



FCC AFC Test Report

FCC ID: 2BH7FEAP7750D

This report concerns: Original Grant

Project No. : 2604C166
Equipment : BE11000 Indoor/Outdoor Wi-Fi 7 Access Point
Brand Name : Omada
Model Name : EAP775-Outdoor
Applicant : TP-Link Systems Inc.
Address : 10 Mauchly, Irvine, CA 92618
Manufacturer : TP-Link Systems Inc.
Address : 10 Mauchly, Irvine, CA 92618
Date of Receipt : Apr. 15, 2026
Date of Test : Apr. 20, 2026 ~ May 28, 2026
Issued Date : Sep. 07, 2026
Test Sample : Engineering Sample No.: DG920260415229
Standard(s) : FCC CFR Title 47, Part 15, Subpart E

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc. (Dongguan)

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacturer's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. BTL assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by BTL.

The report must not be used by the client to claim product certification, approval, or endorsement by A2LA or any agency of the U.S. Government.

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BTL's laboratory quality assurance procedures are in compliance with the ISO/IEC 17025: 2017 requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-1-2604C166	R00	Original Report.	Aug. 13, 2026	Invalid
BTL-FCCP-1-2604C166	R01	This report corrected angle above 30 degrees of antenna gain in page 10. It is a revision of the report BTL-FCCP-1-2604C166 R00. This is a newly released report, replacing the BTL-FCCP-1-2604C166 R00 report.	Sep. 07, 2026	Valid

1. APPLICABLE STANDARDS

The following reference test guidance is not within the scope of accreditation of A2LA:
AFC Device (AFC DUT) Compliance Test Plan Version 1.5
KDB 987594 D05 v01r01

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC CFR Title 47, Part 15, Subpart E				
Standard(s) Section	Test Item	Test Result	Judgment	Remark
15.407(k)	Automated frequency coordination (AFC)	APPENDIX A APPENDIX B APPENDIX C APPENDIX D APPENDIX E	PASS	-----

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.

BTL's Registration Number for FCC: 747969

BTL's Designation Number for FCC: CN1377

2.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

The BTL measurement uncertainty as below table:

Test Item	Uncertainty
Maximum Output Power (e.i.r.p.)	1.3 dB
Maximum Power Spectral Density (e.i.r.p.)	1.8 dB
Temperature	0.7 °C
Humidity	1.7 %

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

2.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By	Test Date
Automated frequency coordination (AFC)	23-26°C	38-43%	PoE 48V	Ilya Zhang	May 06, 2026 -May 22, 2026

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	BE11000 Indoor/Outdoor Wi-Fi 7 Access Point
Brand Name	Omada
Test Model	EAP775-Outdoor
Model Name	EAP775-Outdoor
Model Difference(s)	N/A
Hardware Version	1.0
Software Version	1.0
Power Source	Supplied from 802.3at PoE.
Power Rating	42.5-57V  0.6A
Operation Frequency Band(s)	UNII-5: 5925 MHz ~ 6425 MHz UNII-7: 6525 MHz ~ 6875 MHz
Modulation Type	IEEE 802.11ax/be: OFDMA
Bit Rate of Transmitter	IEEE 802.11ax: up to 2402 Mbps IEEE 802.11be: up to 2882 Mbps
Device Type	☐ Standard Power Access Point with Proxy ☒ Standard Power Access Point without Proxy ☐ Fixed Client with Proxy ☐ Fixed Client without Proxy
Condition of EUT	☒ Indoor ☒ Outdoor

Note:

1. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

2. Channel List:

UNII-5							
IEEE 802.11ax(HE20) IEEE 802.11be(EHT20)		IEEE 802.11ax(HE40) IEEE 802.11be(EHT40)		IEEE 802.11ax(HE80) IEEE 802.11be(EHT80)		IEEE 802.11ax(HE160) IEEE 802.11be(EHT160)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	5955	3	5965	7	5985	15	6025
5	5975	11	6005	23	6065	47	6185
9	5995	19	6045	39	6145	79	6345
13	6015	27	6085	55	6225		
17	6035	35	6125	71	6305		
21	6055	43	6165	87	6385		
25	6075	51	6205				
29	6095	59	6245				
33	6115	67	6285				
37	6135	75	6325				
41	6155	83	6365				
45	6175	91	6405				
49	6195						
53	6215						
57	6235						
61	6255						
65	6275						
69	6295						
73	6315						
77	6335						
81	6355						
85	6375						
89	6395						
93	6415						

UNII-7							
IEEE 802.11ax(HE20) IEEE 802.11be(EHT20)		IEEE 802.11ax(HE40) IEEE 802.11be(EHT40)		IEEE 802.11ax(HE80) IEEE 802.11be(EHT80)		IEEE 802.11ax(HE160) IEEE 802.11be(EHT160)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
117	6535	123	6565	135	6625	143	6665
121	6555	131	6605	151	6705		
125	6575	139	6645	167	6785		
129	6595	147	6685				
133	6615	155	6725				
137	6635	163	6765				
141	6655	171	6805				
145	6675	179	6845				
149	6695						
153	6715						
157	6735						
161	6755						
165	6775						
169	6795						
173	6815						
177	6835						
181	6855						

3. Antenna Specification:

Omnidirectional Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Frequency Range (MHz)	Gain (dBi)
1		EAP775-Out door(US) 1.0	Franklin	IPEX	UNII-5	7.21
					UNII-7	6.95
2		EAP775-Out door(US) 1.0	Franklin	IPEX	UNII-5	7.42
					UNII-7	7.31

Note:

- 1) This EUT supports CDD, and all antenna gains are not equal, Directional gain = $G_{ANT} + \text{Array Gain}$.
For power measurements, Array Gain=0dB ($N_{ANT} \leq 4$),
the UNII-5 Directional gain=7.42, the UNII-7 Directional gain=7.31.
For power spectral density measurements, the Directional gain(each angle)
= $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N]$ dBi,
the UNII-5 Directional gain(each angle)= $10\log[(10^{4.52/20} + 10^{3.95/20})^2 / 2]$ dBi=7.25,
the UNII-7 Directional gain(each angle)= $10\log[(10^{1.54/20} + 10^{5.78/20})^2 / 2]$ dBi=6.93,
- 2) Beamforming Gain: 3 dB.

Directional Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Frequency Range (MHz)	Gain (dBi)
1		EAP775-Out door(US) 1.0	Microstrip	N/A	UNII-5	10.40
					UNII-7	11.26
2		EAP775-Out door(US) 1.0	Microstrip	N/A	UNII-5	10.70
					UNII-7	11.20

Note:

- 1) This EUT supports CDD, and all antennas have the same gain, Directional gain = $G_{ANT} + \text{Array Gain}$.
For power measurements, Array Gain=0dB ($N_{ANT} \leq 4$),
the UNII-5 Directional gain=10.70, the UNII-7 Directional gain=11.26.
For power spectral density measurements, $N_{ANT}=2$, $N_{SS}=1$.
the UNII-5 Directional gain= $G_{ANT} + \text{Array Gain} = G_{ANT} + 10\log(N_{ANT}/N_{SS})$ dBi
= $10.70 + 10\log(2/1)$ dBi=13.71.
the UNII-7 Directional gain= $G_{ANT} + \text{Array Gain} = G_{ANT} + 10\log(N_{ANT}/N_{SS})$ dBi
= $11.26 + 10\log(2/1)$ dBi=14.27.
- 2) Beamforming Gain: 3 dB.

4. When elevation angle above 30 degrees of antenna specification:

Omnidirectional Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Frequency Range (MHz)	Gain (dBi)
1		EAP775-Out door(US) 1.0	Franklin	IPEX	UNII-5	-2.63
					UNII-7	-1.83
2		EAP775-Out door(US) 1.0	Franklin	IPEX	UNII-5	-0.82
					UNII-7	-1.10

Note:

- 1) This EUT supports CDD, and all antennas have the same gain, Directional gain = $G_{ANT} + \text{Array Gain}$.
For power measurements, Array Gain=0dB ($N_{ANT} \leq 4$),
the UNII-5 Directional gain=-0.82, the UNII-7 Directional gain=-1.10.
- 2) Beamforming Gain: 3 dB.

Directional Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Frequency Range (MHz)	Gain (dBi)
1		EAP775-Out door(US) 1.0	Microstrip	N/A	UNII-5	-5.06
					UNII-7	-5.81
2		EAP775-Out door(US) 1.0	Microstrip	N/A	UNII-5	-5.18
					UNII-7	-5.07

Note:

- 1) This EUT supports CDD, and all antennas have the same gain, Directional gain = $G_{ANT} + \text{Array Gain}$.
For power measurements, Array Gain=0dB ($N_{ANT} \leq 4$),
the UNII-5 Directional gain=-5.06, the UNII-7 Directional gain=-5.07.
- 2) Beamforming Gain: 3 dB.

5. Table for Antenna Configuration:

Operating Mode	TX Mode	2TX
IEEE 802.11ax(HE20)		V (Omnidirectional Antenna or Directional Antenna)
IEEE 802.11ax(HE40)		V (Omnidirectional Antenna or Directional Antenna)
IEEE 802.11ax(HE80)		V (Omnidirectional Antenna or Directional Antenna)
IEEE 802.11ax(HE160)		V (Omnidirectional Antenna or Directional Antenna)
IEEE 802.11be(EHT20)		V (Omnidirectional Antenna or Directional Antenna)
IEEE 802.11be(EHT40)		V (Omnidirectional Antenna or Directional Antenna)
IEEE 802.11be(EHT80)		V (Omnidirectional Antenna or Directional Antenna)
IEEE 802.11be(EHT160)		V (Omnidirectional Antenna or Directional Antenna)
IEEE 802.11be(EHT320)		V (Omnidirectional Antenna or Directional Antenna)

3.2 AFCD GENERAL CAPABILITIES DECLARATION

Item	Question	Vender Response
1	AFC DUT Type	Standard Power Access Point
2	Does the AFC DUT supports sending an Available Spectrum Inquiry Request based on the inquiredFrequencyRange field?	YES
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?	Frequency Range& Channels
5	Does the AFC DUT need to be supplied with BSS configuration parameters?	-
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?	-

3.3 TEST MODES

Test Items		Test Mode
Automated frequency coordination (AFC)	Successful Registration and Spectrum Access Request	-
	Unsuccessful Registration and Spectrum Access Request	-
	Successful Spectrum Access Update	-
	Unsuccessful Spectrum Access Update	-
	Unsuccessful Server Validation	-

Note: All antenna type had been pre-tested and found the Directional Antenna is the worst and recorded.

3.4 CUSTOMER INFORMATION DESCRIPTION

- 1) The antenna gain and beamforming gain are provided by the manufacturer.

4. AUTOMATED FREQUENCY COORDINATION (AFC)

4.1 SUCCESSFUL REGISTRATION AND SPECTRUM ACCESS REQUEST

4.1.1 TEST PROCEDURE

For Standard Power Access Point:

1. 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 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.
2. AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquired Frequency Range and/or the inquired Channels fields*.
3. AFC DUT Test Harness validates the presence of mandatory registration information.
4. 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 available Frequency Info and/or available Channel Info fields.
5. 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.

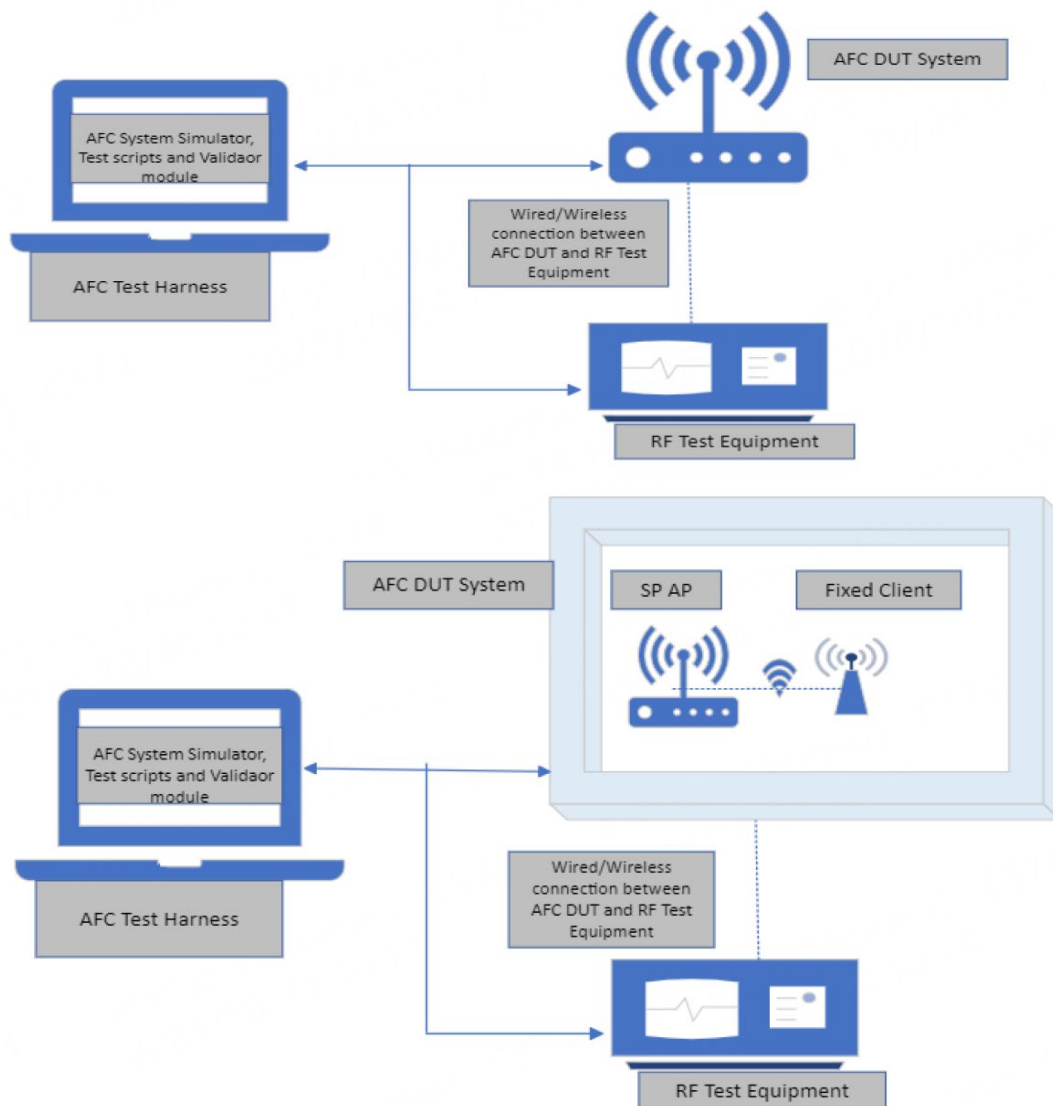
RF Test Equipment monitors any transmission by the AFC DUT conforms to the following:

- 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.
6. Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request.
 7. AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquired Frequency Range and/or the inquired Channels fields*.
 8. AFC DUT Test Harness validates the presence of mandatory registration information.
 9. 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 available Frequency Info and/or available Channel Info fields which are significantly different from Step 4.
 10. 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.

4.1.2 DEVIATION FROM TEST STANDARD

No deviation.

4.1.3 TEST SETUP



4.1.4 TEST RESULTS

Please refer to the APPENDIX A.

4.2 UNSUCCESSFUL REGISTRATION AND SPECTRUM ACCESS REQUEST

4.2.1 TEST PROCEDURE

For Standard Power Access Point:

1. 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 AFC DUT with AFC System URL and server root certificate.

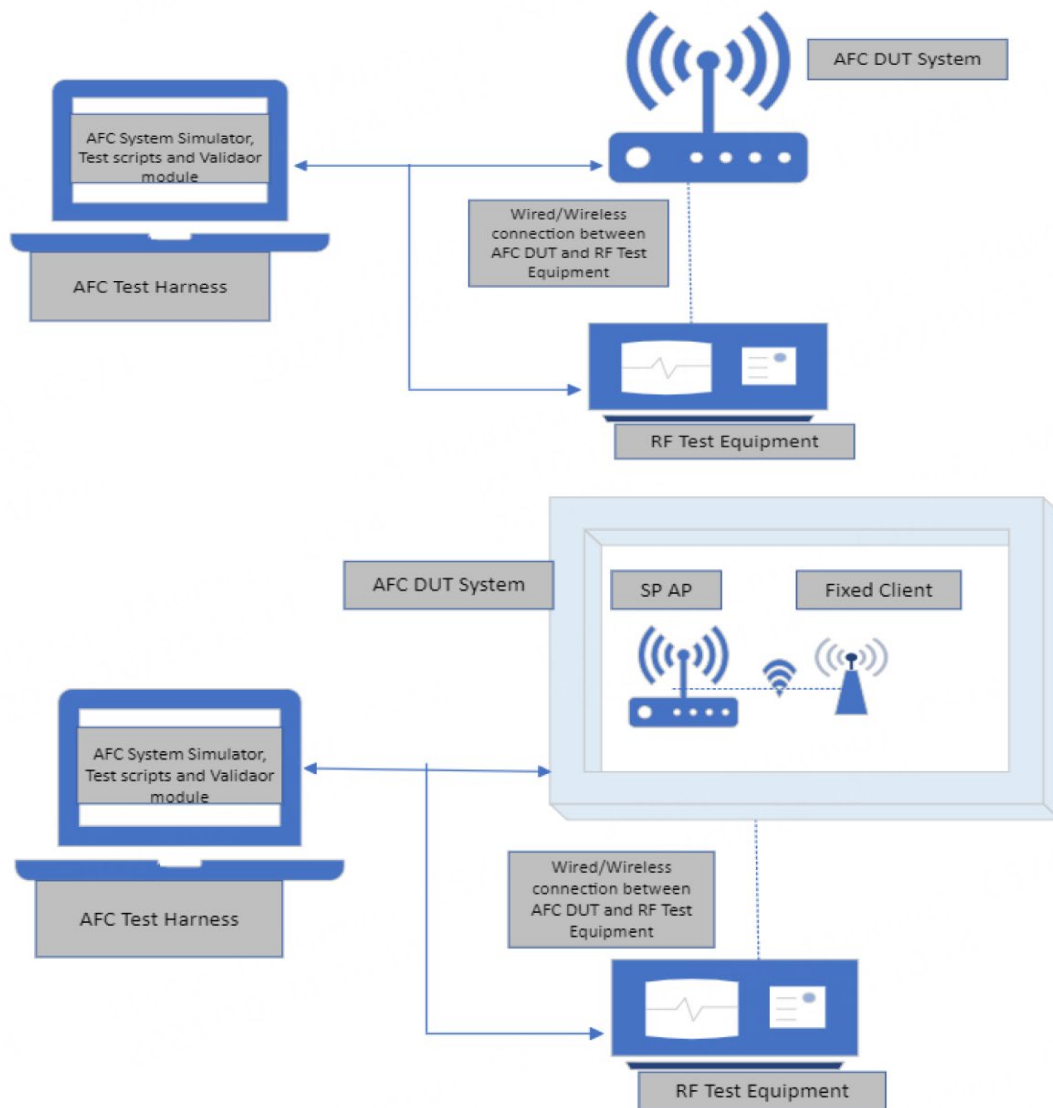
Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request.

2. AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquired Frequency Range and/or the inquired Channels fields*.
3. AFC DUT Test Harness validates mandatory registration information.
4. AFC DUT Test Harness sends an Available Spectrum Inquiry Response indicating that no frequency ranges and/or channels are available.
5. Throughout Step 1 to Step 4 and subsequent to Step 4, 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.

4.2.2 DEVIATION FROM TEST STANDARD

No deviation.

4.2.3 TEST SETUP



4.2.4 TEST RESULTS

Please refer to the APPENDIX B.

4.3 SUCCESSFUL SPECTRUM ACCESS UPDATE

4.3.1 TEST PROCEDURE

For Standard Power Access Point:

1. AFC DUT set to Initial Pre-test State.

If needed (see Table 5 declaration), configure the DUT with BSS parameters per Table 9 and a temporary test regulatory identifier (e.g., FCC ID), geographic coordinates, antenna height, and uncertainty parameters.

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.

2. AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquired Frequency Range and/or the inquiredChannels fields*.
3. AFC DUT Harness validates mandatory registration information.
4. 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 available Frequency Info and/or available Channel Info fields.
5. 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 SPOperation

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.

6. AFC DUT is power cycled.

If needed (see Table 5 declaration), configure the AFC DUT with a temporary test regulatory identifier (e.g., FCC ID), new geographic coordinates, antenna height, and uncertainty parameters.

Configure the AFC DUT with AFC System URL and server root certificate.

7. 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 8.

8. AFC DUT Test Harness evaluates validity of mandatory registration information.
9. 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 available Frequency Info and/or available Channel Info fields which are significantly different from Step 4.
 - 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.

10. Wait for 60 seconds

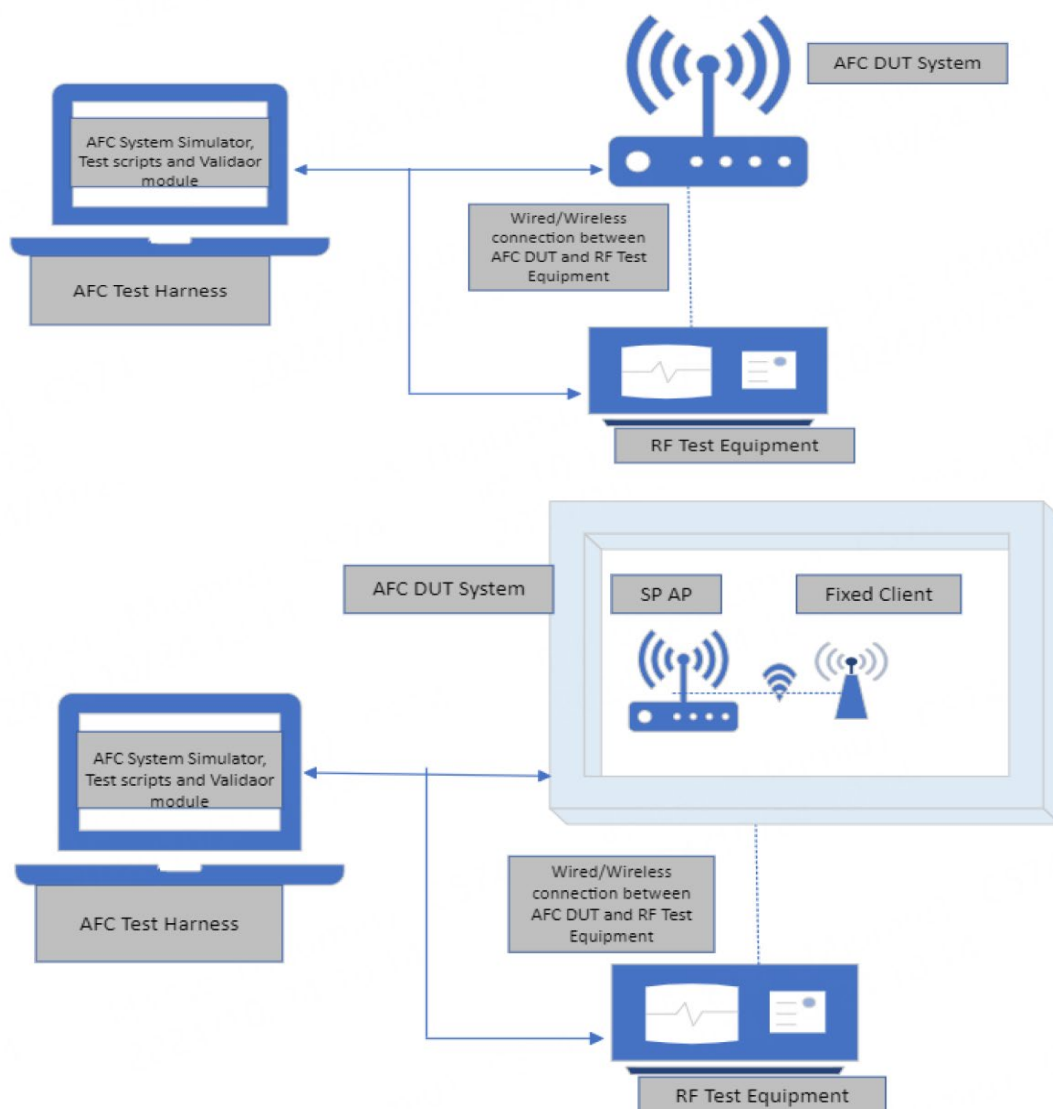
RF Test Equipment monitors any transmission by the AFC DUT conforms to the following:

- 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.

4.3.2 DEVIATION FROM TEST STANDARD

No deviation.

4.3.3 TEST SETUP



4.3.4 TEST RESULTS

Please refer to the APPENDIX C.

4.4 UNSUCCESSFUL SPECTRUM ACCESS UPDATE

4.4.1 TEST PROCEDURE

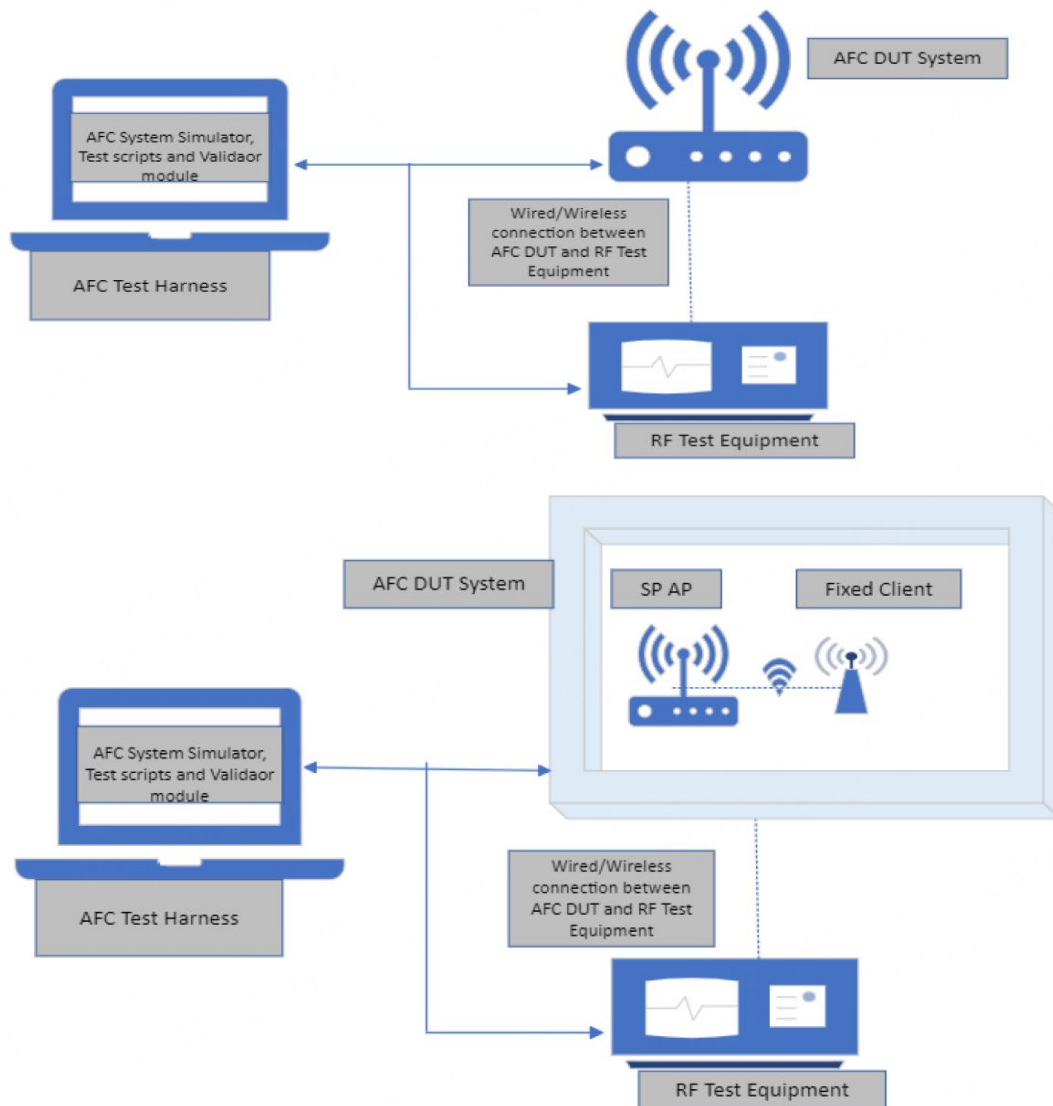
For Standard Power Access Point:

1. 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.
2. AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquired Frequency Range and/or the inquired Channels fields.
3. AFC DUT Test Harness validates mandatory registration information.
4. 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 available Frequency Info and/or available Channel Info fields.
5. Throughout the Step 1 to 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 SPOperationOr
 - 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.
6. AFC DUT is power cycled.
If needed (see Table 5 declaration), configure the AFC DUT with a temporary test regulatory identifier (e.g., FCC ID), new geographic coordinates, antenna height, and uncertainty parameters.
Configure the AFC DUT with AFC System URL and server root certificate.
7. 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 7.
8. AFC DUT Test Harness evaluates validity of mandatory registration information.
9. AFC DUT Test Harness sends an Available Spectrum Inquiry Response indicating that no frequency ranges and/or channels are available.
10. Throughout Step 7 to 10 and subsequent to Step 9 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.

4.4.2 DEVIATION FROM TEST STANDARD

No deviation.

4.4.3 TEST SETUP



4.4.4 TEST RESULTS

Please refer to the APPENDIX D.

4.5 UNSUCCESSFUL SERVER VALIDATION

4.5.1 TEST PROCEDURE

1. The 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 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.

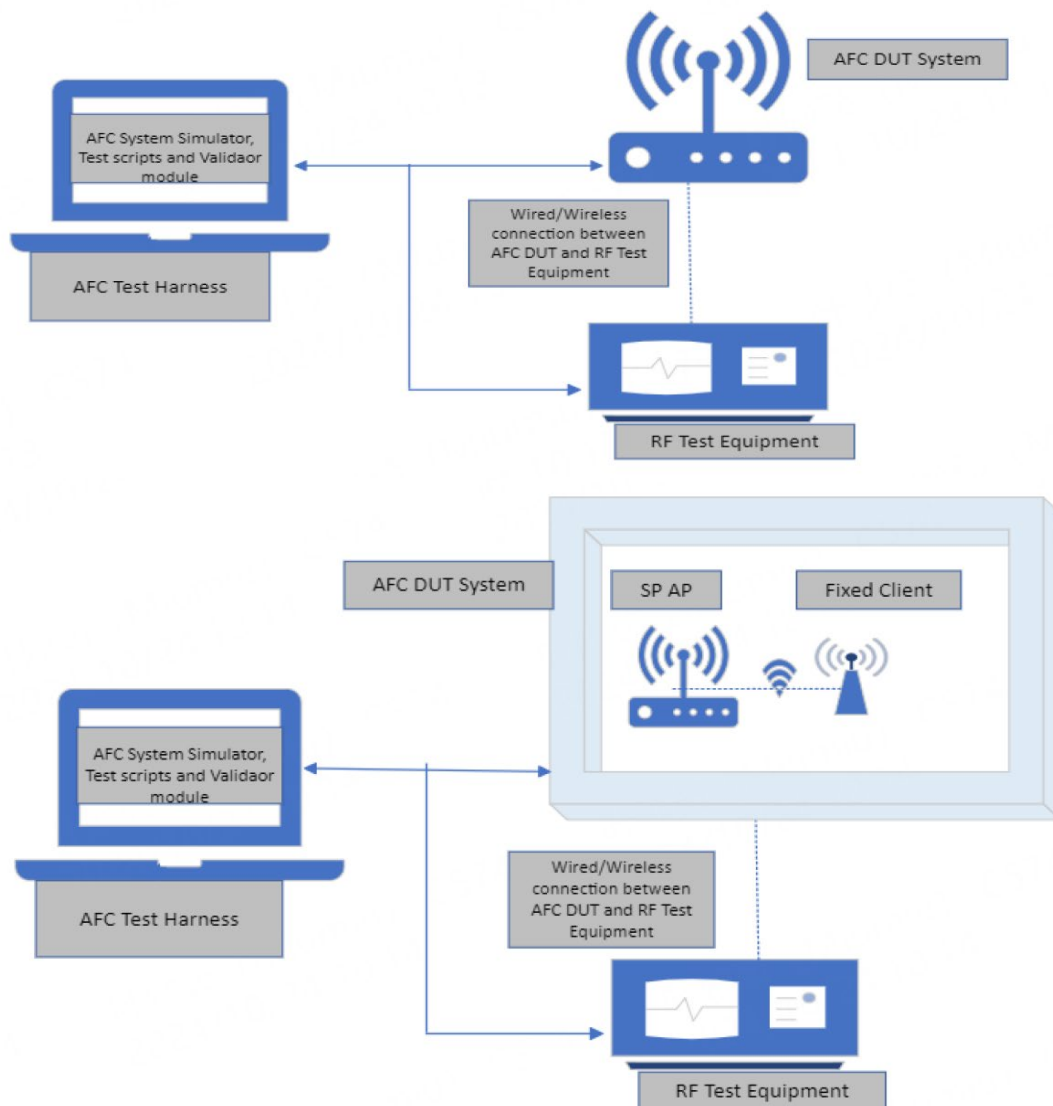
Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request using either In-band or Out-of-band methods.

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.

4.5.2 DEVIATION FROM TEST STANDARD

No deviation.

4.5.3 TEST SETUP



4.5.4 TEST RESULTS

Please refer to the APPENDIX E.

5. LIST OF MEASURING EQUIPMENTS

Automated frequency coordination (AFC)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Agilent	N9010A	MY50520044	Nov. 21, 2026
2	Isolation attenuator	Z-Link	ASMA-16-18-2W	N/A	N/A
3	Cable	RegalWay	RWP50-402-SMSM-1M	N/A	N/A
4	Measurement Software	BTL	WIFI6E TestSystem	N/A	N/A
5	Measurement Software	WIFI ALLIANCE	WFA-QuickTrack-Tool	N/A	N/A

Remark: "N/A" denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

APPENDIX A - SUCCESSFUL REGISTRATION AND SPECTRUM ACCESS REQUEST

Device Type:	Standard Power Access Point	Bandwidth:	20MHz
--------------	-----------------------------	------------	-------

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(i)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_20MHz_10625_1(Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_20MHz_10625_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 (12.4 dBm/MHz PSD, 25.4 dBm EIRP) on channel 49 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 (9.6 dBm/MHz PSD, 22.6 dBm EIRP) on channel 37 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

```
##### 2026-05-18T11:07:20Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.200",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1077",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "REQ-FSP1",
        "deviceDescriptor": {
          "serialNumber": "28d825054bb9f68fa027546b9b6414a4",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "2BH7FEAP775OD"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 8,
        "heightType": "AGL",
        "verticalUncertainty": 8
      },
      "ellipse": {
        "center": {
          "longitude": -117.744679,
          "latitude": 33.71118
        },
        "majorAxis": 48,
        "minorAxis": 48,
        "orientation": 45
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5935,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6535,
        "highFrequency": 6865
      }
    ]
  }
}
```

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```
##### 2026-05-18T11:07:20Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6205,
            "lowFrequency": 6185
          },
          "maxPsd": 12.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6225,
            "lowFrequency": 6205
          },
          "maxPsd": 18.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6245,
            "lowFrequency": 6225
          },
          "maxPsd": 20.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6265,
            "lowFrequency": 6245
          },
          "maxPsd": 16.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6365,
            "lowFrequency": 6345
          },
          "maxPsd": 16.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6385,
            "lowFrequency": 6365
          },
          "maxPsd": 8.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6405,
            "lowFrequency": 6385
          },
          "maxPsd": 19.1
        }
      ]
    }
  ]
}
```

```

"frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 13.0
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 16.8
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 13.6
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 17.9
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 14.8
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 11.2
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 19.3
},
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 15.9
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 13.5
}
],
"availableChannelInfo": [
  {

```

```

"channelCfi": [
    49,
    53,
    57,
    61,
    81,
    85,
    89,
    93,
    129,
    133,
    137,
    141,
    161,
    165,
    169,
    173
],
"globalOperatingClass": 131,
"maxEirp": [
    25.4,
    31.5,
    33.9,
    29.5,
    29.4,
    21.7,
    32.1,
    26.0,
    29.8,
    26.6,
    30.9,
    27.8,
    24.2,
    32.3,
    28.9,
    26.5
]
},
{
    "channelCfi": [
        51,
        59,
        83,
        91,
        131,
        139,
        163,
        171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        28.4,
        32.5,
        24.7,
        29.0,
        29.6,
        30.8,
        27.2,
        29.5
    ]
}
}
{

```

```

"channelCfi": [
    55,
    87,
    135,
    167
  ],
  "globalOperatingClass": 133,
  "maxEirp": [
    31.4,
    27.7,
    32.6,
    30.2
  ]
},
{
  "channelCfi": [],
  "globalOperatingClass": 134,
  "maxEirp": []
}
],
"requestId": "REQ-FSP1",
"availabilityExpireTime": "2026-05-19T11:07:20Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

```
##### 2026-05-18T11:16:09Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.200",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1077",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "REQ-FSP1",
        "deviceDescriptor": {
          "serialNumber": "28d825054bb9f68fa027546b9b6414a4",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "2BH7FEAP775OD"
            }
          ]
        },
        "location": {
          "elevation": {
            "height": 8,
            "heightType": "AGL",
            "verticalUncertainty": 8
          },
          "ellipse": {
            "center": {
              "longitude": -117.744679,
              "latitude": 33.71118
            },
            "majorAxis": 48,
            "minorAxis": 48,
            "orientation": 45
          },
          "indoorDeployment": 1
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5935,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6535,
            "highFrequency": 6865
          }
        ],
        "inquiredChannels": [
          {
            "globalOperatingClass": 131
          },
          {
            "globalOperatingClass": 132
          },
          {
            "globalOperatingClass": 133
          }
        ]
      }
    ]
  }
}
```

```

    },
    {
      "globalOperatingClass": 136
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        63
      ]
    }
  ]
}

```

```
##### 2026-05-18T11:16:09Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 13.1
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 15.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 18.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 18.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 18.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 19.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 17.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },
          "maxPsd": 15.6
        }
      ]
    }
  ]
}
```

```

    },
    {
      "frequencyRange": {
        "highFrequency": 6125,
        "lowFrequency": 6105
      },
      "maxPsd": 16.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 9.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 12.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 19.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
      "maxPsd": 8.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 13.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 14.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 17.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 15.0
    },
    {

```

```

"frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 15.1
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 21.4
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 11.1
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      65,
      69,
      73,
      77,
      145,
      149,
      153,
      157
    ]
  },

```

```

"globalOperatingClass": 131,
  "maxEirp": [
    26.1,
    28.5,
    31.3,
    31.4,
    31.8,
    32.2,
    30.0,
    28.6,
    29.5,
    22.6,
    25.4,
    32.3,
    21.6,
    26.1,
    27.0,
    30.7,
    28.0,
    28.1,
    34.4,
    24.1
  ]
},
{
  "channelCfi": [
    3,
    11,
    19,
    27,
    35,
    43,
    67,
    75,
    147,
    155
  ],
  "globalOperatingClass": 132,
  "maxEirp": [
    29.1,
    34.3,
    34.8,
    31.6,
    25.6,
    28.4,
    24.6,
    30.0,
    31.0,
    27.1
  ]
},
{
  "channelCfi": [
    7,
    23,
    39,
    71,
    151
  ],
  "globalOperatingClass": 133,
  "maxEirp": [
    32.1,
    34.6,
    28.6,
    27.6,
    30.1
  ]
}

```

```

    ]
  },
  {
    "channelCfi": [
      15
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
      35.1
    ]
  }
],
"requestId": "REQ-FSP1",
"availabilityExpireTime": "2026-05-19T11:16:09Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

Device Type:	Standard Power Access Point	Bandwidth:	40MHz
--------------	-----------------------------	------------	-------

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(i), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_40MHz_10626_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_40MHz_10626_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 (13.3 dBm/MHz PSD, 29.3 dBm EIRP) on channel center frequency index 35 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 (10.5 dBm/MHz PSD, 26.5 dBm EIRP) on channel center frequency index 51 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

```
##### 2026-05-21T11:46:09Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.200",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1077",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "REQ-FSP1",
        "deviceDescriptor": {
          "serialNumber": "28d825054bb9f68fa027546b9b6414a4",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "2BH7FEAP775OD"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 8,
        "heightType": "AGL",
        "verticalUncertainty": 8
      },
      "ellipse": {
        "center": {
          "longitude": -117.744679,
          "latitude": 33.71118
        },
        "majorAxis": 48,
        "minorAxis": 48,
        "orientation": 45
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5935,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6535,
        "highFrequency": 6865
      }
    ]
  }
}
```

```

    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      },
      {
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 136
      },
      {
        "globalOperatingClass": 137,
        "channelCfi": [
          63
        ]
      }
    ]
  }
}

```

```
##### 2026-05-21T11:46:09Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 9.6
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 12.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 9.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 11.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 14.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 14.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 9.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },
          "maxPsd": 17.8
        }
      ]
    }
  ]
}
```

```

"frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
},
    "maxPsd": 13.8
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 21.1
},
{
    "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
    },
    "maxPsd": 13.3
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
    },
    "maxPsd": 20.1
},
{
    "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
    },
    "maxPsd": 10.6
},
{
    "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
    },
    "maxPsd": 11.6
},
{
    "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
    },
    "maxPsd": 13.7
},
{
    "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
    },
    "maxPsd": 9.6
}
],
"availableChannelInfo": [
    {

```

```

"channelCfi": [
    1,
    5,
    9,
    13,
    17,
    21,
    25,
    29,
    145,
    149,
    153,
    157,
    161,
    165,
    169,
    173
],
"globalOperatingClass": 131,
"maxEirp": [
    22.6,
    25.0,
    22.6,
    24.0,
    27.9,
    27.8,
    22.5,
    30.8,
    26.8,
    34.1,
    26.3,
    33.1,
    23.6,
    24.6,
    26.7,
    22.6
]
},
{
    "channelCfi": [
        3,
        11,
        19,
        27,
        147,
        155,
        163,
        171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        25.6,
        25.6,
        30.8,
        25.5,
        29.8,
        29.3,
        26.6,
        25.6
    ]
},
{

```

```

"channelCfi": [
    7,
    23,
    151,
    167
  ],
  "globalOperatingClass": 133,
  "maxEirp": [
    28.6,
    28.5,
    32.3,
    28.6
  ]
},
{
  "channelCfi": [
    15
  ],
  "globalOperatingClass": 134,
  "maxEirp": [
    31.5
  ]
}
],
"requestId": "REQ-FSP1",
"availabilityExpireTime": "2026-05-22T11:46:09Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

```
##### 2026-05-22T02:16:32Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.200",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1077",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "REQ-FSP1",
        "deviceDescriptor": {
          "serialNumber": "28d825054bb9f68fa027546b9b6414a4",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "2BH7FEAP775OD"
            }
          ]
        },
        "location": {
          "elevation": {
            "height": 8,
            "heightType": "AGL",
            "verticalUncertainty": 8
          },
          "ellipse": {
            "center": {
              "longitude": -117.744679,
              "latitude": 33.71118
            },
            "majorAxis": 48,
            "minorAxis": 48,
            "orientation": 45
          },
          "indoorDeployment": 1
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5935,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6535,
            "highFrequency": 6865
          }
        ],
        "inquiredChannels": [
          {
            "globalOperatingClass": 131
          },
          {
            "globalOperatingClass": 132
          }
        ]
      }
    ]
  }
}
```

```

"globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    },
    {
      "globalOperatingClass": 136
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        63
      ]
    }
  ]
}
  ]
}
}

```

```
##### 2026-05-22T02:16:32Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 17.3
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 21.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 16.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 10.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 20.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 13.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
          },
          "maxPsd": 20.5
        }
      ]
    }
  ]
}
```

```

"frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 12.3
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 15.5
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 18.5
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 14.4
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 10.4
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 19.2
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 10.8
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 9.9
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 20.0
}
],

```

```

"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      33,
      37,
      41,
      45,
      81,
      85,
      89,
      93,
      145,
      149,
      153,
      157
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      30.3,
      34.7,
      29.4,
      23.8,
      33.8,
      26.3,
      33.5,
      25.3,
      28.5,
      31.5,
      27.4,
      23.4,
      32.2,
      23.8,
      22.9,
      33.0
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      35,
      43,
      83,
      91,
      147,
      155
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
      33.3,
      26.8,
      29.3,
      28.3,
      31.5,
      26.4,
      26.8,
      25.9
    ]
  }
]

```

```

"channelCfi": [
    7,
    39,
    87,
    151
  ],
  "globalOperatingClass": 133,
  "maxEirp": [
    29.8,
    31.3,
    29.4,
    28.9
  ]
},
{
  "channelCfi": [],
  "globalOperatingClass": 134,
  "maxEirp": []
}
],
"requestId": "REQ-FSP1",
"availabilityExpireTime": "2026-05-23T02:16:32Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

```
##### 2026-05-22T02:32:25Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "/*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.200",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1077",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "REQ-FSP1",
        "deviceDescriptor": {
          "serialNumber": "28d825054bb9f68fa027546b9b6414a4",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "2BH7FEAP775OD"
            }
          ]
        },
        "location": {
          "elevation": {
            "height": 8,
            "heightType": "AGL",
            "verticalUncertainty": 8
          },
          "ellipse": {
            "center": {
              "longitude": -117.744679,
              "latitude": 33.71118
            },
            "majorAxis": 48,
            "minorAxis": 48,
            "orientation": 45
          },
          "indoorDeployment": 1
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5935,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6535,
            "highFrequency": 6865
          }
        ],
        "inquiredChannels": [
          {
            "globalOperatingClass": 131
          },
          {
            "globalOperatingClass": 132
          }
        ]
      }
    ]
  }
}
```

```

    "globalOperatingClass": 133
      },
      {
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 136
      },
      {
        "globalOperatingClass": 137,
        "channelCfi": [
          63
        ]
      }
    ]
  }
]
}
}
}

```

```
##### 2026-05-22T02:32:25Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 17.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 17.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 12.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },
          "maxPsd": 8.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6205,
            "lowFrequency": 6185
          },
          "maxPsd": 20.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6225,
            "lowFrequency": 6205
          },
          "maxPsd": 10.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6245,
            "lowFrequency": 6225
          },
          "maxPsd": 13.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6265,
            "lowFrequency": 6245
          },
          "maxPsd": 12.5
        },
        {

```

```

"frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
},
    "maxPsd": 14.9
},
{
    "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
    },
    "maxPsd": 15.4
},
{
    "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
    },
    "maxPsd": 20.8
},
{
    "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
    },
    "maxPsd": 20.1
},
{
    "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
    },
    "maxPsd": 12.0
},
{
    "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
    },
    "maxPsd": 9.6
},
{
    "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
    },
    "maxPsd": 13.2
},
{
    "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
    },
    "maxPsd": 19.6
},
{
    "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
    },
    "maxPsd": 12.1
},
{

```

```

        "frequencyRange": {
            "highFrequency": 6785,
            "lowFrequency": 6765
        },
        "maxPsd": 8.5
    },
    {
        "frequencyRange": {
            "highFrequency": 6805,
            "lowFrequency": 6785
        },
        "maxPsd": 9.2
    },
    {
        "frequencyRange": {
            "highFrequency": 6825,
            "lowFrequency": 6805
        },
        "maxPsd": 17.4
    }
],
"availableChannelInfo": [
    {
        "channelCfi": [
            17,
            21,
            25,
            29,
            49,
            53,
            57,
            61,
            65,
            69,
            73,
            77,
            129,
            133,
            137,
            141,
            161,
            165,
            169,
            173
        ],
        "globalOperatingClass": 131,
        "maxEirp": [
            30.5,
            30.6,
            25.9,
            21.3,
            33.7,
            23.5,
            26.7,
            25.5,
            27.9,
            28.4,
            33.8,
            33.1,
            25.0,
            22.6,
            26.2,
            32.6,
            25.1,
            21.5,
            22.2,
            30.4
        ]
    }
]

```

```

    ]
  },
  {
    "channelCfi": [
      19,
      27,
      51,
      59,
      67,
      75,
      131,
      139,
      163,
      171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
      33.5,
      24.3,
      26.5,
      28.5,
      30.9,
      36.0,
      25.6,
      29.2,
      24.5,
      25.2
    ]
  },
  {
    "channelCfi": [
      23,
      55,
      71,
      135,
      167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
      27.3,
      29.5,
      33.9,
      28.6,
      27.5
    ]
  },
  {
    "channelCfi": [],
    "globalOperatingClass": 134,
    "maxEirp": []
  }
],
"requestId": "REQ-FSP1",
"availabilityExpireTime": "2026-05-23T02:32:25Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

Device Type:	Standard Power Access Point	Bandwidth:	80MHz
--------------	-----------------------------	------------	-------

Test Result

FCC Requirements	TestCaseName	Test Result
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)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_80MHz_10627_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_80MHz_10627_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 (14.6 dBm/MHz PSD, 33.6 dBm EIRP) on channel center frequency index 87 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 (8.3 dBm/MHz PSD, 27.3 dBm EIRP) on channel center frequency index 39 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

```
##### 2026-05-18T09:15:09Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.200",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1077",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "REQ-FSP1",
        "deviceDescriptor": {
          "serialNumber": "28d825054bb9f68fa027546b9b6414a4",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "2BH7FEAP775OD"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 8,
        "heightType": "AGL",
        "verticalUncertainty": 8
      },
      "ellipse": {
        "center": {
          "longitude": -117.744679,
          "latitude": 33.71118
        },
        "majorAxis": 48,
        "minorAxis": 48,
        "orientation": 45
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5935,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6535,
        "highFrequency": 6865
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      }
    ]
  }
}
```

```

"globalOperatingClass": 134
    },
    {
      "globalOperatingClass": 136
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        63
      ]
    }
  ]
}

```

```
##### 2026-05-18T09:15:09Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 12.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 10.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 11.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },
          "maxPsd": 19.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6365,
            "lowFrequency": 6345
          },
          "maxPsd": 16.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6385,
            "lowFrequency": 6365
          },
          "maxPsd": 20.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6405,
            "lowFrequency": 6385
          },
          "maxPsd": 20.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6425,
            "lowFrequency": 6405
          },
          "maxPsd": 14.6
        }
      ]
    }
  ]
}
```

```

"frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 20.1
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 8.0
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 10.2
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 19.9
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 19.2
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 20.7
},
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 18.3
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 12.1
}
],
"availableChannelInfo": [
  {

```

```

"channelCfi": [
    17,
    21,
    25,
    29,
    81,
    85,
    89,
    93,
    145,
    149,
    153,
    157,
    161,
    165,
    169,
    173
],
"globalOperatingClass": 131,
"maxEirp": [
    25.9,
    23.1,
    24.6,
    32.9,
    29.7,
    33.9,
    33.0,
    27.6,
    33.1,
    21.0,
    23.2,
    32.9,
    32.2,
    33.7,
    31.3,
    25.1
]
},
{
    "channelCfi": [
        19,
        27,
        83,
        91,
        147,
        155,
        163,
        171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        26.1,
        27.6,
        32.7,
        30.6,
        24.0,
        26.2,
        35.2,
        28.1
    ]
}
},
{

```

```

"channelCfi": [
    23,
    87,
    151,
    167
  ],
  "globalOperatingClass": 133,
  "maxEirp": [
    29.1,
    33.6,
    27.0,
    31.1
  ]
},
{
  "channelCfi": [],
  "globalOperatingClass": 134,
  "maxEirp": []
}
],
"requestId": "REQ-FSP1",
"availabilityExpireTime": "2026-05-19T09:15:09Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

```
##### 2026-05-18T09:29:24Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.200",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1077",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "REQ-FSP1",
        "deviceDescriptor": {
          "serialNumber": "28d825054bb9f68fa027546b9b6414a4",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "2BH7FEAP775OD"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 8,
        "heightType": "AGL",
        "verticalUncertainty": 8
      },
      "ellipse": {
        "center": {
          "longitude": -117.744679,
          "latitude": 33.71118
        },
        "majorAxis": 48,
        "minorAxis": 48,
        "orientation": 45
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5935,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6535,
        "highFrequency": 6865
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      }
    ]
  }
}
```

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```
##### 2026-05-18T09:29:24Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 18.5
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 12.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 13.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 20.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 16.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 9.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
          },
          "maxPsd": 17.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6185,
            "lowFrequency": 6165
          },
          "maxPsd": 8.3
        }
      ]
    }
  ]
}
```

```

"frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 17.8
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 20.4
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 17.5
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 8.2
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 16.7
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 12.5
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 17.2
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 13.4
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 19.2
},
{

```

```

"frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 16.7
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 13.8
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 9.1
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      129,
      133,
      137,
      141
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      31.5,
      25.4,
      26.9,
      33.1,
      29.2,
      22.7,
      30.3,
      21.3,
      30.8,
      33.4,
      30.5,
      21.2,
      29.7,
      25.5,
      30.2,
      26.4,
      32.2,
      29.7,
      26.8,
      22.1
    ]
  }
]

```

```

    ],
    {
      "channelCfi": [
        3,
        11,
        35,
        43,
        51,
        59,
        67,
        75,
        131,
        139
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        28.4,
        29.9,
        25.7,
        24.3,
        33.8,
        24.2,
        28.5,
        29.4,
        32.7,
        25.1
      ]
    },
    {
      "channelCfi": [
        7,
        39,
        55,
        71,
        135
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        31.4,
        27.3,
        27.2,
        31.5,
        28.1
      ]
    },
    {
      "channelCfi": [
        47
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        30.2
      ]
    }
  ],
  "requestId": "REQ-FSP1",
  "availabilityExpireTime": "2026-05-19T09:29:24Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

Device Type:	Standard Power Access Point	Bandwidth:	160MHz
--------------	-----------------------------	------------	--------

Test Result

FCC Requirements	TestCaseName	Test Result
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)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_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 (11.7 dBm/MHz PSD, 33.7 dBm EIRP) on channel center frequency index 79 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 (11.1 dBm/MHz PSD, 33.1 dBm EIRP) on channel center frequency index 47 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

```
##### 2026-05-18T08:40:15Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.200",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1077",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "REQ-FSP1",
        "deviceDescriptor": {
          "serialNumber": "28d825054bb9f68fa027546b9b6414a4",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "2BH7FEAP775OD"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 8,
        "heightType": "AGL",
        "verticalUncertainty": 8
      },
      "ellipse": {
        "center": {
          "longitude": -117.744679,
          "latitude": 33.71118
        },
        "majorAxis": 48,
        "minorAxis": 48,
        "orientation": 45
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5935,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6535,
        "highFrequency": 6865
      }
    ]
  },
}
```

```

    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      },
      {
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 136
      },
      {
        "globalOperatingClass": 137,
        "channelCfi": [
          63
        ]
      }
    ]
  }
}

```

```
##### 2026-05-18T08:40:15Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 18.3
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 21.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 18.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 8.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 18.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 17.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 19.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },
          "maxPsd": 12.5
        }
      ]
    }
  ]
}
```

```

"frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 13.6
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 14.5
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 12.9
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 20.1
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 13.0
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 11.7
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 18.4
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 12.1
}
],

```

```

"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      31.3,
      34.0,
      31.1,
      21.2,
      31.2,
      30.1,
      32.9,
      25.5,
      26.6,
      27.5,
      25.9,
      33.1,
      26.0,
      24.7,
      31.4,
      25.1
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      67,
      75,
      83,
      91
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
      34.3,
      24.2,
      33.1,
      28.5,
      29.6,
      28.9,
      27.7,
      28.1
    ]
  }
]

```

```

        "channelCfi": [
            7,
            23,
            71,
            87
        ],
        "globalOperatingClass": 133,
        "maxEirp": [
            27.2,
            31.5,
            31.9,
            30.7
        ]
    },
    {
        "channelCfi": [
            15,
            79
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
            30.2,
            33.7
        ]
    }
],
"requestId": "REQ-FSP1",
"availabilityExpireTime": "2026-05-19T08:40:15Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

```
##### 2026-05-18T08:50:53Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.200",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1077",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "REQ-FSP1",
        "deviceDescriptor": {
          "serialNumber": "28d825054bb9f68fa027546b9b6414a4",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "2BH7FEAP775OD"
            }
          ]
        },
        "location": {
          "elevation": {
            "height": 8,
            "heightType": "AGL",
            "verticalUncertainty": 8
          },
          "ellipse": {
            "center": {
              "longitude": -117.744679,
              "latitude": 33.71118
            },
            "majorAxis": 48,
            "minorAxis": 48,
            "orientation": 45
          },
          "indoorDeployment": 1
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5935,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6535,
            "highFrequency": 6865
          }
        ]
      }
    ]
  }
}
```

```

    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      },
      {
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 136
      },
      {
        "globalOperatingClass": 137,
        "channelCfi": [
          63
        ]
      }
    ]
  }
}

```

```
##### 2026-05-18T08:50:53Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 11.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 13.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
          },
          "maxPsd": 12.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6185,
            "lowFrequency": 6165
          },
          "maxPsd": 11.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6205,
            "lowFrequency": 6185
          },
          "maxPsd": 11.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6225,
            "lowFrequency": 6205
          },
          "maxPsd": 11.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6245,
            "lowFrequency": 6225
          },
          "maxPsd": 13.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6265,
            "lowFrequency": 6245
          },
          "maxPsd": 16.4
        },
        {

```

```

        "frequencyRange": {
            "highFrequency": 6605,
            "lowFrequency": 6585
        },
        "maxPsd": 11.2
    },
    {
        "frequencyRange": {
            "highFrequency": 6625,
            "lowFrequency": 6605
        },
        "maxPsd": 16.4
    },
    {
        "frequencyRange": {
            "highFrequency": 6645,
            "lowFrequency": 6625
        },
        "maxPsd": 12.0
    },
    {
        "frequencyRange": {
            "highFrequency": 6665,
            "lowFrequency": 6645
        },
        "maxPsd": 10.5
    },
    {
        "frequencyRange": {
            "highFrequency": 6685,
            "lowFrequency": 6665
        },
        "maxPsd": 10.0
    },
    {
        "frequencyRange": {
            "highFrequency": 6705,
            "lowFrequency": 6685
        },
        "maxPsd": 8.7
    },
    {
        "frequencyRange": {
            "highFrequency": 6725,
            "lowFrequency": 6705
        },
        "maxPsd": 14.8
    },
    {
        "frequencyRange": {
            "highFrequency": 6745,
            "lowFrequency": 6725
        },
        "maxPsd": 12.0
    }
},
"availableChannelInfo": [
    {
        "channelCfi": [

```

```

33,
37,
41,
45,
49,
53,
57,
61,
129,
133,
137,
141,
145,
149,
153,
157
],
"globalOperatingClass": 131,
"maxEirp": [
24.1,
26.1,
25.5,
24.2,
24.4,
24.1,
26.9,
29.4,
24.2,
29.4,
25.0,
23.5,
23.0,
21.7,
27.8,
25.0
]
},
{
"channelCfi": [
35,
43,
51,
59,
131,
139,
147,
155
],
"globalOperatingClass": 132,
"maxEirp": [
27.1,
27.2,
27.1,
29.9,
27.2,
26.5,
24.7,
28.0
]
},
{
"channelCfi": [
39,
55,
135,
151

```

```

    ],
    "globalOperatingClass": 133,
    "maxEirp": [
      30.1,
      30.1,
      29.5,
      27.7
    ]
  },
  {
    "channelCfi": [
      47,
      143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
      33.1,
      30.7
    ]
  }
],
"requestId": "REQ-FSP1",
"availabilityExpireTime": "2026-05-19T08:50:53Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

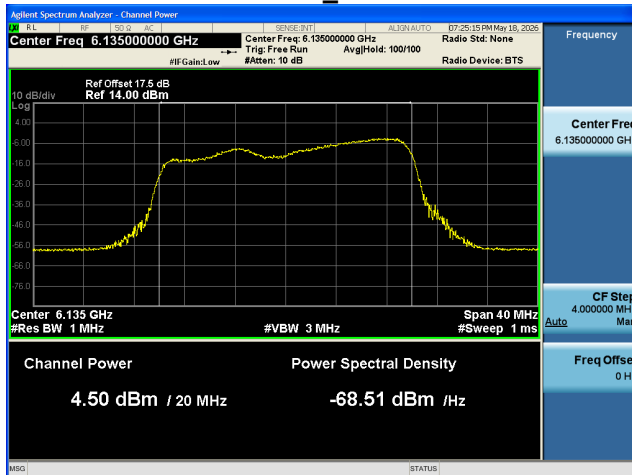
```

Freq. (MHz)	Bandwidth (MHz)	Antenna Gain (dBi)	ANT1 Power (dBm)	ANT2 Power (dBm)	Duty factor (dB)	Total EIRP (dBm)	AFC Response Limit (dBm)	Result	ANT1 PSD (dBm/MHz)	ANT2 PSD (dBm/MHz)	Duty factor (dB)	Total PSD (dBm)	AFC Response Limit (dBm/MHz)	Result
6135	20	10.7	4.5	4.94	0.26	18.69	22.6	PASS	-4.457	-5.728	0.26	8.92	N/A	PASS
6125	40	10.7	10.97	11.42	0.33	25.24	29.3	PASS	-2.506	-3.236	0.33	11.18	N/A	PASS
6145	80	10.7	9.58	10	0.78	24.28	27.3	PASS	-7.591	-8.006	0.78	6.69	N/A	PASS
6185	160	10.7	14.86	14.38	0.34	28.68	33.1	PASS	-5.145	-5.253	0.34	8.85	N/A	PASS

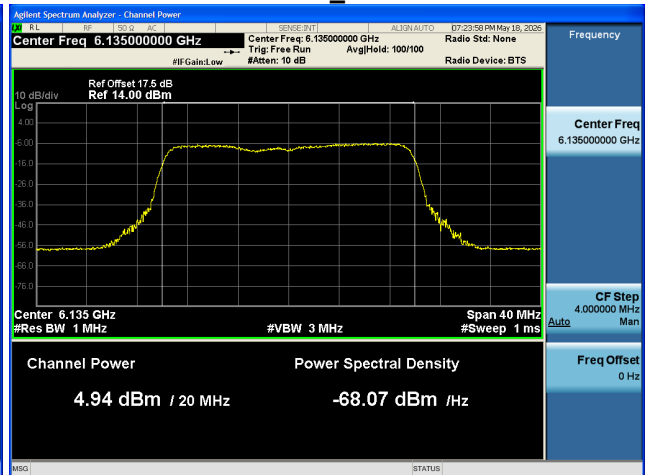
Freq. (MHz)	Bandwidth (MHz)	Antenna Gain (dBi)	ANT1 Power (dBm)	ANT2 Power (dBm)	Duty factor (dB)	Total EIRP (dBm)	AFC Response Limit (dBm)	Result	ANT1 PSD (dBm/MHz)	ANT2 PSD (dBm/MHz)	Duty factor (dB)	Total PSD (dBm)	AFC Response Limit (dBm/MHz)	Result
6195	20	10.7	7.6	6.97	0.26	21.26	25.4	PASS	-2.42	-3.334	0.26	11.11	N/A	PASS
6205	40	10.7	8.41	7.42	0.33	21.98	26.5	PASS	-5.921	-5.869	0.33	8.14	N/A	PASS
6385	80	10.7	14.58	14.91	0.78	29.23	33.6	PASS	-2.748	-3.182	0.78	11.53	N/A	PASS
6345	160	10.7	14.83	14.37	0.34	28.66	33.7	PASS	-4.643	-5.526	0.34	8.99	N/A	PASS

Test Mode	TX AX(HE20) Mode	Frequency(MHz)	6135MHz
-----------	------------------	----------------	---------

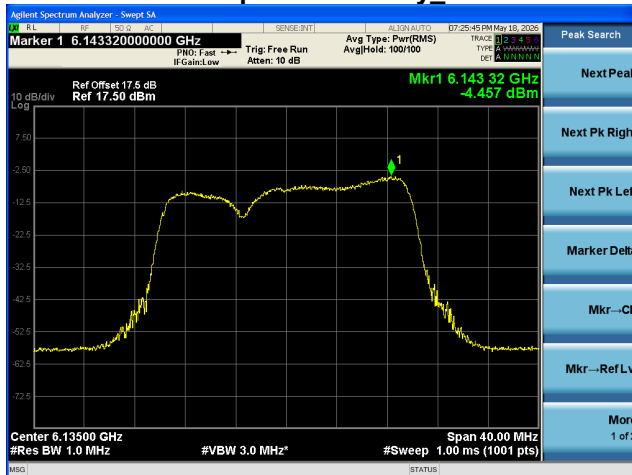
Power_Ant.1



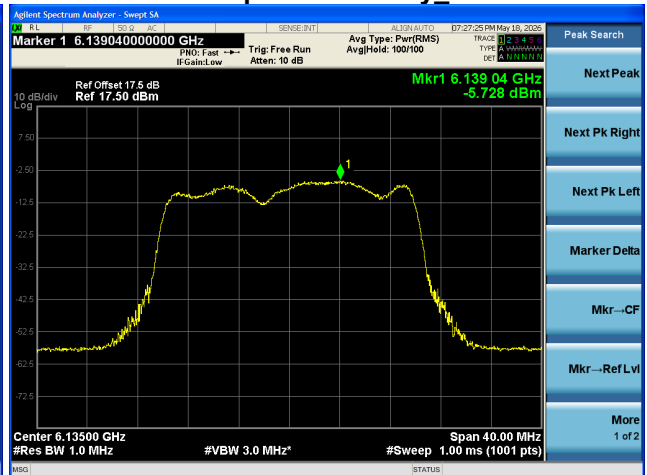
Power_Ant.2



Power Spectral Density_Ant.1

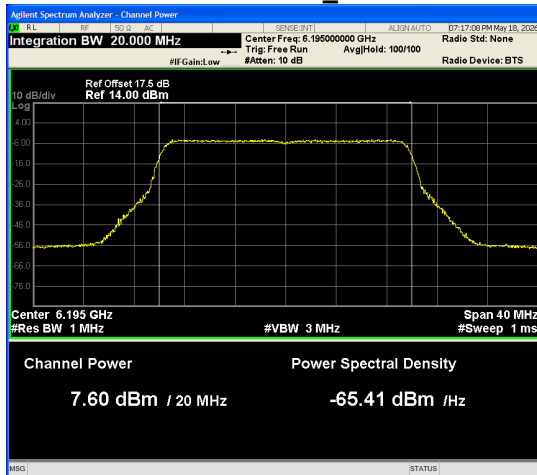


Power Spectral Density_Ant.2

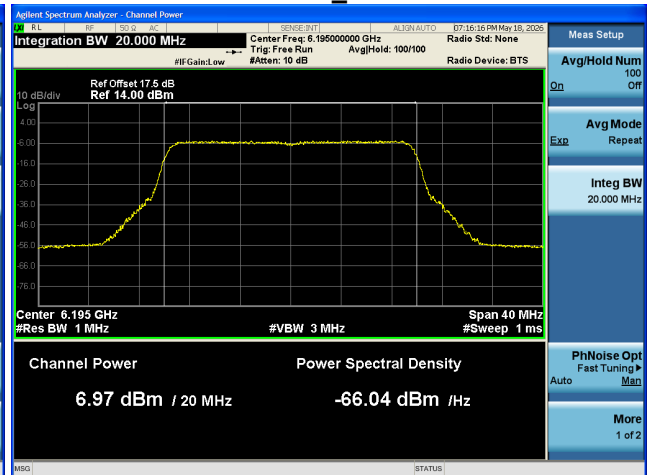


Test Mode	TX AX(HE20) Mode	Frequency(MHz)	6195MHz
-----------	------------------	----------------	---------

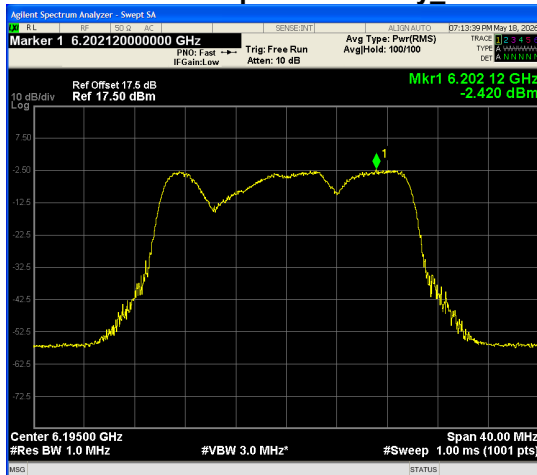
Power_Ant.1



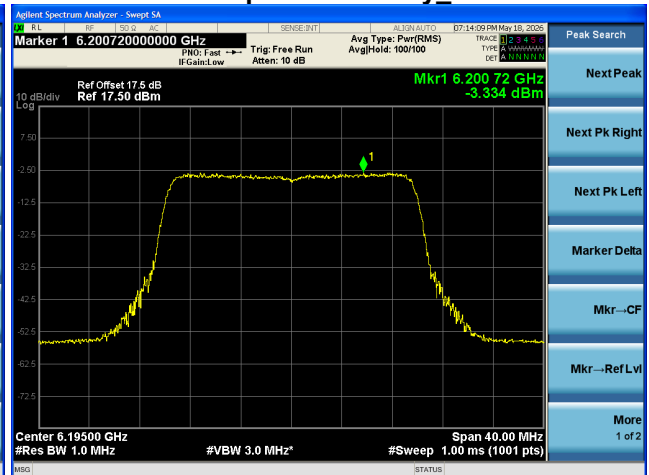
Power_Ant.2



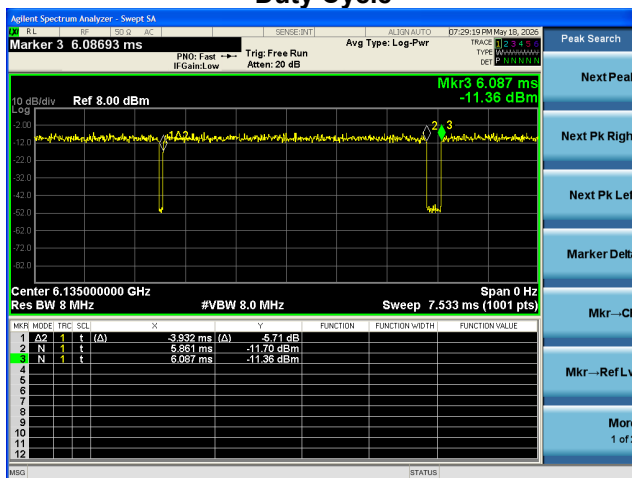
Power Spectral Density_Ant.1



Power Spectral Density_Ant.2



Duty Cycle



Test Mode	TX AX(HE40) Mode	Frequency(MHz)	6125MHz
-----------	------------------	----------------	---------

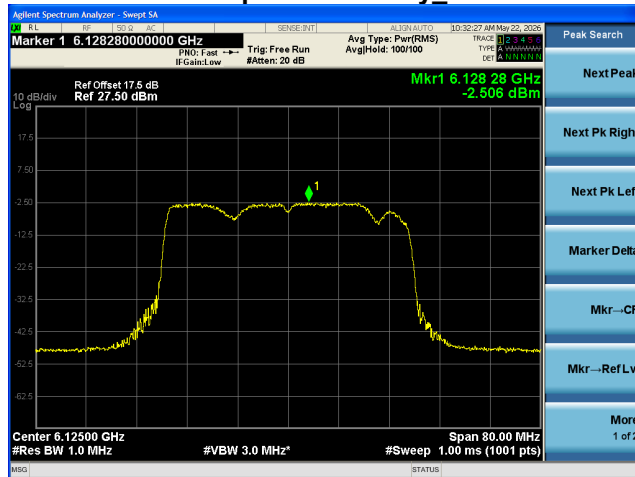
Power_Ant.1



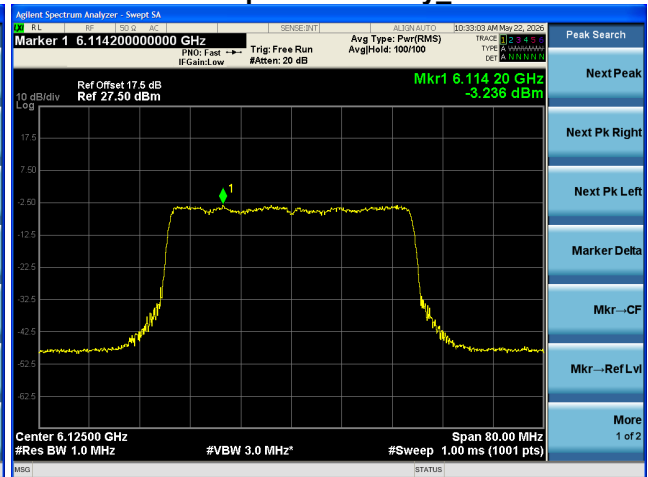
Power_Ant.2



Power Spectral Density_Ant.1



Power Spectral Density_Ant.2



Test Mode	TX AX(HE40) Mode	Frequency(MHz)	6205MHz
-----------	------------------	----------------	---------

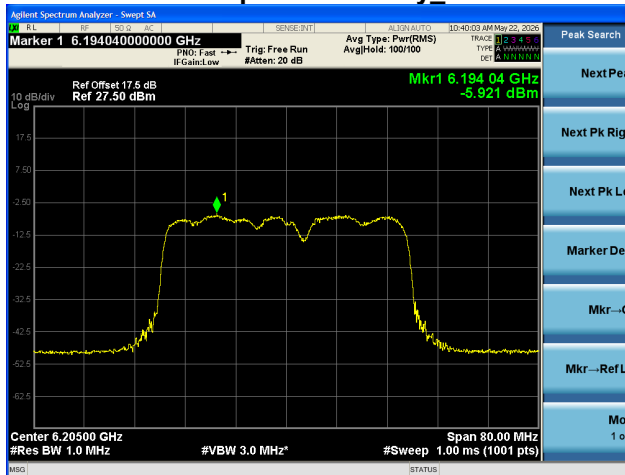
Power_Ant.1



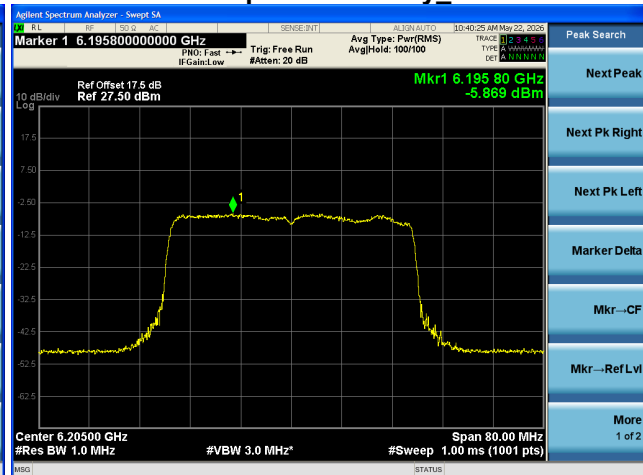
Power_Ant.2



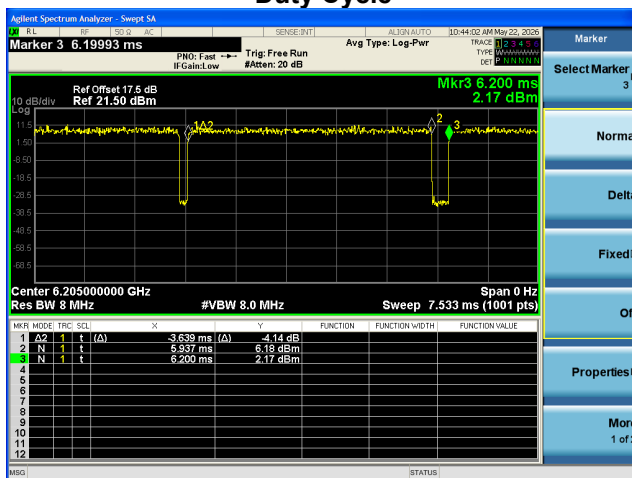
Power Spectral Density_Ant.1



Power Spectral Density_Ant.2



Duty Cycle



Test Mode	TX AX(HE80) Mode	Frequency(MHz)	6145MHz
-----------	------------------	----------------	---------

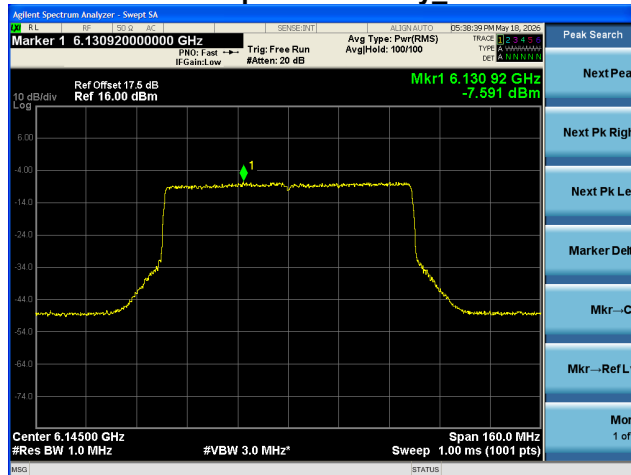
Power_Ant.1



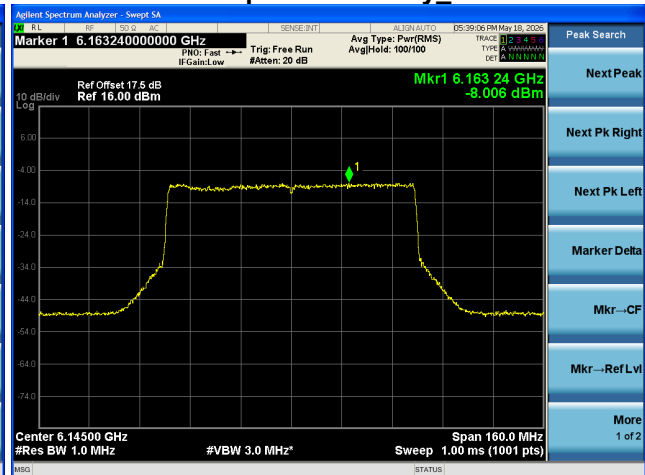
Power_Ant.2



Power Spectral Density_Ant.1

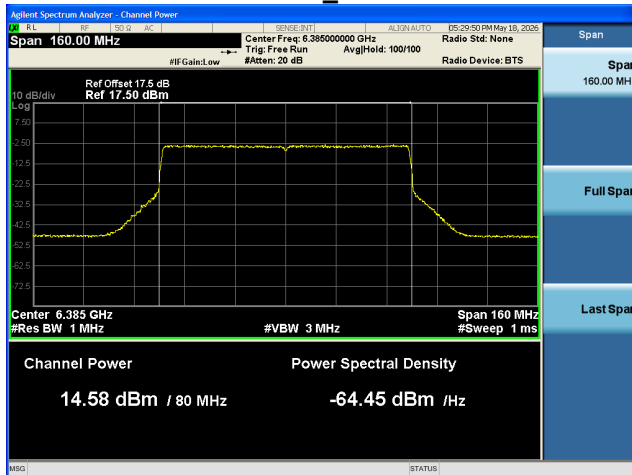


Power Spectral Density_Ant.2

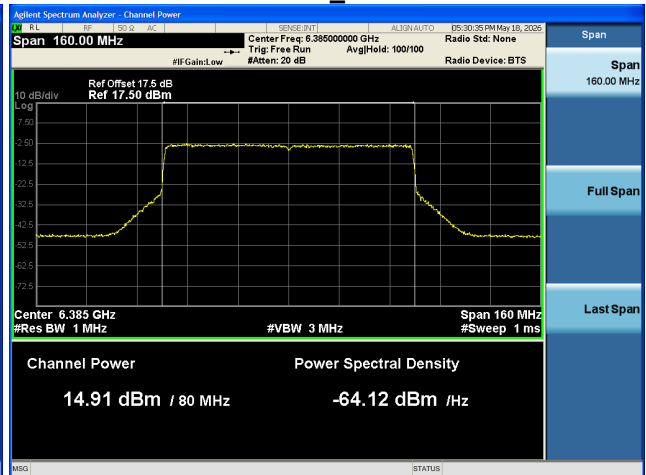


Test Mode	TX AX(HE80) Mode	Frequency(MHz)	6385MHz
-----------	------------------	----------------	---------

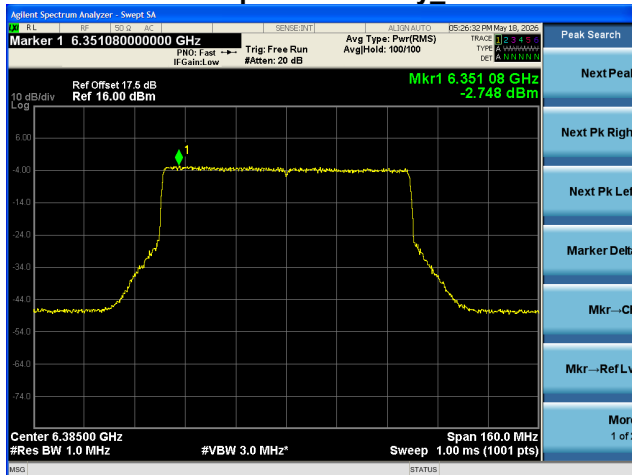
Power_Ant.1



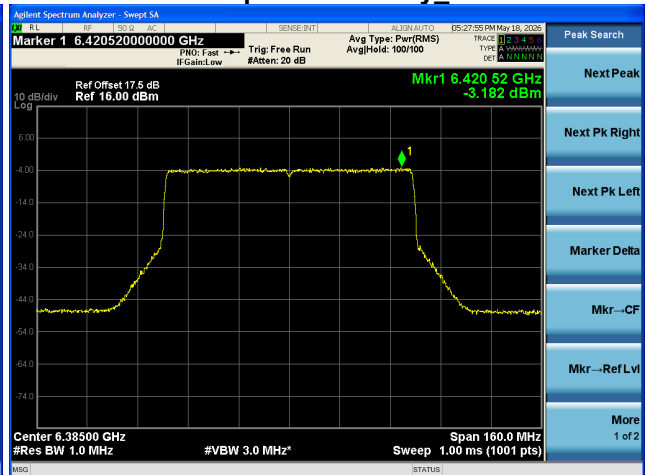
Power_Ant.2



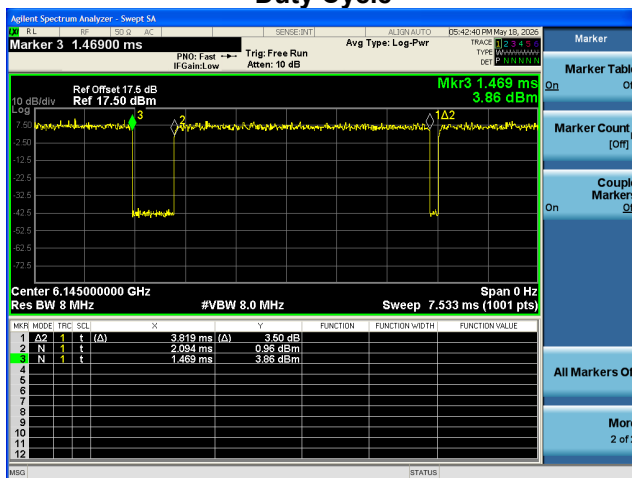
Power Spectral Density_Ant.1



Power Spectral Density_Ant.2

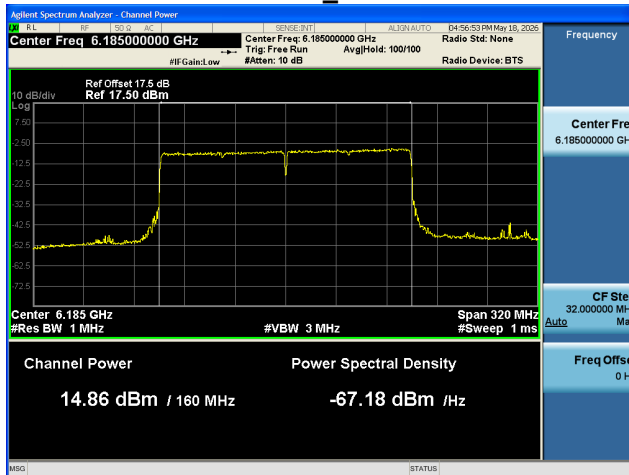


Duty Cycle

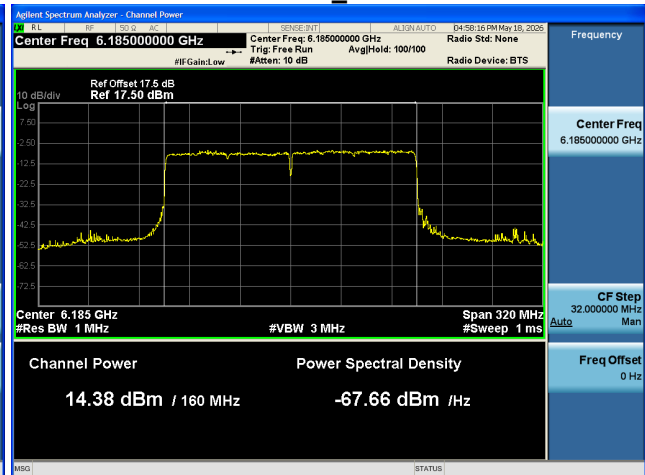


Test Mode	TX AX(HE160) Mode	Frequency(MHz)	6185MHz
-----------	-------------------	----------------	---------

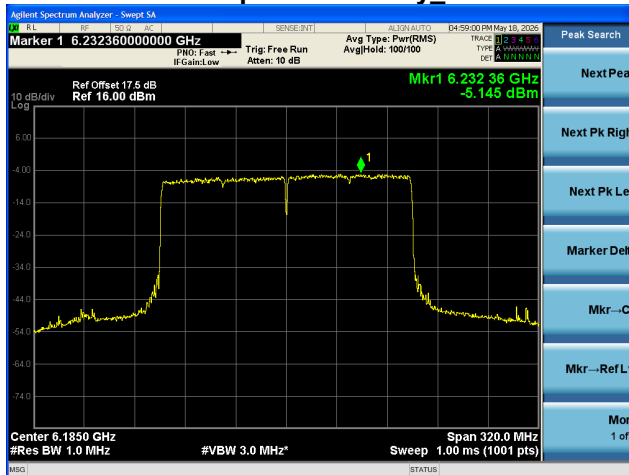
Power_Ant.1



Power_Ant.2



Power Spectral Density_Ant.1

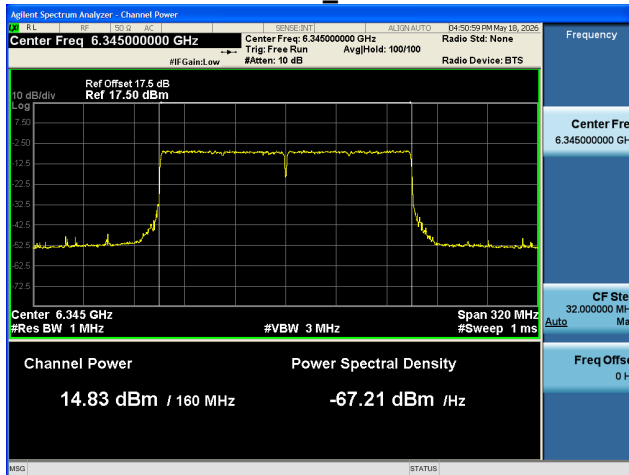


Power Spectral Density_Ant.2

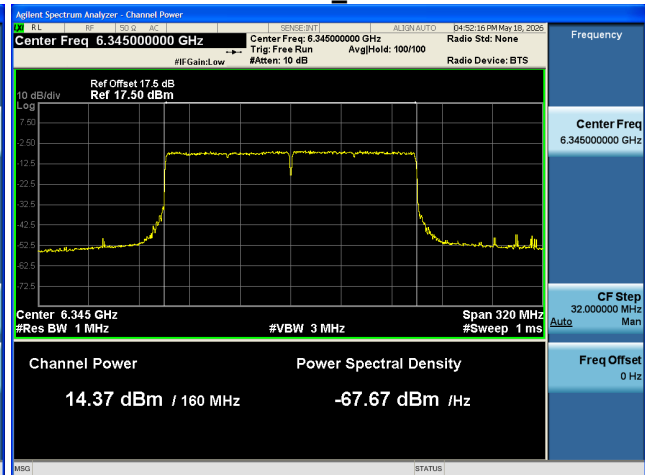


Test Mode	TX AX(HE160) Mode	Frequency(MHz)	6345MHz
-----------	-------------------	----------------	---------

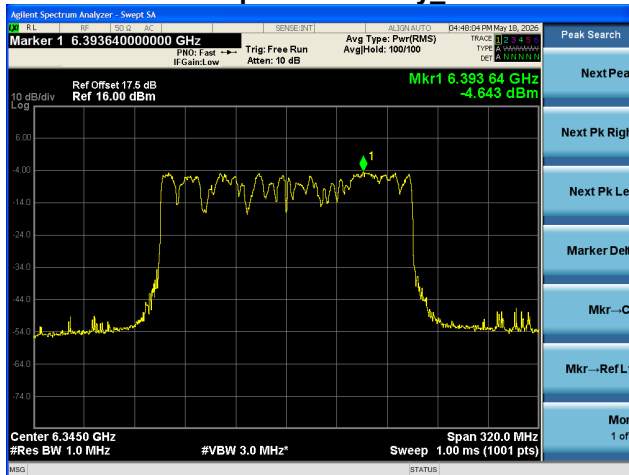
Power_Ant.1



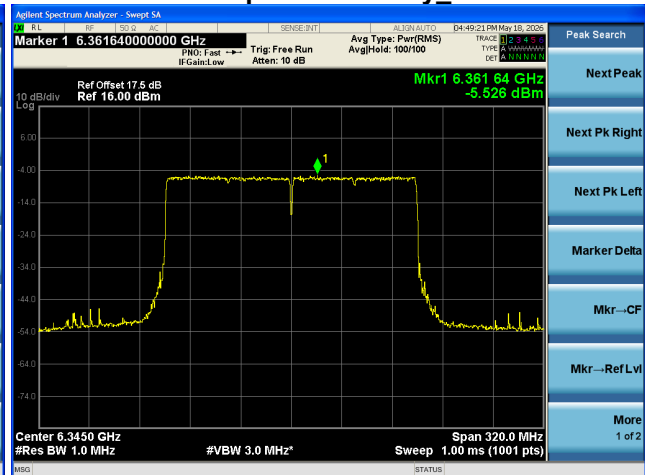
Power_Ant.2



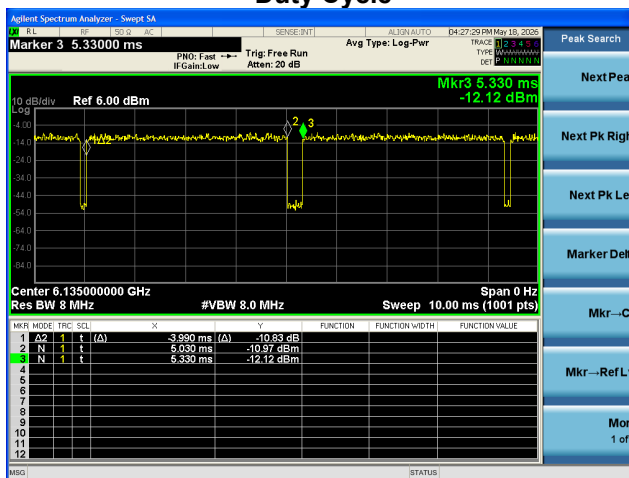
Power Spectral Density_Ant.1



Power Spectral Density_Ant.2



Duty Cycle



APPENDIX B - UNSUCCESSFUL REGISTRATION AND SPECTRUM ACCESS REQUEST

Device Type: Standard Power Access Point

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(1), 15.407(k)(B)(i), 15.407(k)(B)(ii), 15.407(k)(B)(iii)	CT_AFC_SP_AP_AFCDUSA32_FrequencyChannel_10629_1 (Unsuccessful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDUSA32_FrequencyChannel_10629_1 (Unsuccessful registration and spectrum access request)
TestResult: PASS
Band: 6GHz

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

```
##### 2026-05-14T09:29:24Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.200",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1077",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "REQ-FSP1",
        "deviceDescriptor": {
          "serialNumber": "28d825054bb9f68fa027546b9b6414a4",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "2BH7FEAP775OD"
            }
          ]
        },
        "location": {
          "elevation": {
            "height": 8,
            "heightType": "AGL",
            "verticalUncertainty": 8
          },
          "ellipse": {
            "center": {
              "longitude": -117.744679,
              "latitude": 33.71118
            },
            "majorAxis": 48,
            "minorAxis": 48,
            "orientation": 45
          },
          "indoorDeployment": 1
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5935,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6535,
            "highFrequency": 6865
          }
        ],
        "inquiredChannels": [
          {
            "globalOperatingClass": 131
          },
          {
            "globalOperatingClass": 132
          },
          {
            "globalOperatingClass": 133
          },
          {
            "globalOperatingClass": 134
          }
        ]
      }
    ]
  }
}
```

```

        "globalOperatingClass": 136
      },
      {
        "globalOperatingClass": 137,
        "channelCfi": [
          63
        ]
      }
    ]
  }
}

##### 2026-05-14T09:29:24Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "availableChannelInfo": [],
      "requestId": "REQ-FSP1",
      "availabilityExpireTime": "2026-05-15T09:29:24Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

```

APPENDIX C - SUCCESSFUL SPECTRUM ACCESS UPDATE

Device Type: Standard Power Access Point

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDSAU33_FrequencyChannel_10630_1 (Successful spectrum access update)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDSAU33_FrequencyChannel_10630_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 (16.5 dBm/MHz PSD, 29.5 dBm EIRP) on channel 37 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_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

```
##### 2026-05-14T09:38:46Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.200",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1077",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "REQ-FSP1",
        "deviceDescriptor": {
          "serialNumber": "28d825054bb9f68fa027546b9b6414a4",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "2BH7FEAP775OD"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 8,
        "heightType": "AGL",
        "verticalUncertainty": 8
      },
      "ellipse": {
        "center": {
          "longitude": -117.744679,
          "latitude": 33.71118
        },
        "majorAxis": 48,
        "minorAxis": 48,
        "orientation": 45
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5935,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6535,
        "highFrequency": 6865
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      }
    ]
  }
}
```

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```

"frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 21.2
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 11.7
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 8.7
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 19.6
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 11.9
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 13.0
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 21.4
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 20.6
}
],
"availableChannelInfo": [
  {

```

```

        "channelCfi": [
            17,
            21,
            25,
            29,
            33,
            37,
            41,
            45,
            49,
            53,
            57,
            61,
            65,
            69,
            73,
            77
        ],
        "globalOperatingClass": 131,
        "maxEirp": [
            29.5,
            29.4,
            28.3,
            34.8,
            29.3,
            29.5,
            33.0,
            22.0,
            34.2,
            24.7,
            21.7,
            32.6,
            24.9,
            26.0,
            34.4,
            33.6
        ]
    },
    {
        "channelCfi": [
            19,
            27,
            35,
            43,
            51,
            59,
            67,
            75
        ],
        "globalOperatingClass": 132,
        "maxEirp": [
            32.4,
            31.3,
            32.3,
            25.0,
            27.7,
            24.7,
            27.9,
            36.0
        ]
    },
    {
        "channelCfi": [
            23,
            39,
            55,
            71
        ],

```

```

    "globalOperatingClass": 133,
      "maxEirp": [
        34.3,
        28.0,
        27.7,
        30.9
      ]
    },
    {
      "channelCfi": [
        47
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        30.7
      ]
    }
  ],
  "requestId": "REQ-FSP1",
  "availabilityExpireTime": "2026-05-15T09:38:46Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

APPENDIX D - UNSUCCESSFUL SPECTRUM ACCESS UPDATE

Device Type: Standard Power Access Point

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDU34_FrequencyChannel_10631_1(Unsuccessful spectrum access update)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDU34_FrequencyChannel_10631_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, 36.0 dBm EIRP) on channel 37 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_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

```
##### 2026-05-14T10:37:15Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.200",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1077",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "REQ-FSP1",
        "deviceDescriptor": {
          "serialNumber": "28d825054bb9f68fa027546b9b6414a4",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "2BH7FEAP775OD"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 8,
        "heightType": "AGL",
        "verticalUncertainty": 8
      },
      "ellipse": {
        "center": {
          "longitude": -117.744679,
          "latitude": 33.71118
        },
        "majorAxis": 48,
        "minorAxis": 48,
        "orientation": 45
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5935,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6535,
        "highFrequency": 6865
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      }
    ]
  }
}
```

```

    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    },
    {
      "globalOperatingClass": 136
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        63
      ]
    }
  ]
}

```

```
##### 2026-05-14T10:37:15Z #####
{
  "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
        },
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APPENDIX E - UNSUCCESSFUL SERVER VALIDATION

Device Type: Standard Power Access Point

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_NonMatchSAN_10632_1 (Unsuccessful server validation)	PASS

Test Measurements

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

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1 (Unsuccessful server validation)	PASS

Test Measurements

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

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_MatchSuffixSAN_10634_1 (Unsuccessful server validation)	PASS

Test Measurements

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

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1 (Unsuccessful server validation)	PASS

Test Measurements

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

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1 (Unsuccessful server validation)	PASS

Test Measurements

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

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1 (Unsuccessful server validation)	PASS

Test Measurements

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

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1 (Unsuccessful server validation)	PASS

Test Measurements

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

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1 (Unsuccessful server validation)	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

End of Test Report