Certificate #7130.01

FCC AFC Test Report

FCC ID: ARA-BAXE6X

This report concerns: Original Grant

Project No.	:	2403H049
Equipment	:	BreezeAir AXE 6X
Brand Name	:	Telrad Networks
Test Model	:	BreezeAir AXE 6X
Series Model	:	PN BX6XYYYYYYY(YYYYYYY stands for different variants sub products.)
Applicant	:	Telrad Networks Ltd
Address	:	1 Bat Sheva streetLod711600Israel
Manufacturer	:	Telrad Networks Ltd
Address	:	1 Bat Sheva streetLod711600Israel
Factory	:	Telrad Networks Ltd
Address	:	1 Bat Sheva streetLod711600Israel
Date of Receipt	:	Aug. 14, 2024
Date of Test	:	Aug. 30, 2024 ~ Dec. 06, 2024
Issued Date	:	Dec. 12, 2024
Report Version	:	R00
Test Sample	:	Engineering Sample No.: SH20240814268-11
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.

Prepared by : Chella Zheng

Chella Zheng

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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 manufacture'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.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

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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REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-3-2403H049	R00	Original Report.	Dec. 12, 2024	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 1-2/F, 4/F, Building A, 1-2/F, Building B, 3/F, Building C, No.3, Jinshagang 1st Road, Dalang Town, Dongguan City, 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 Power Spectral Density (e.i.r.p.)	1.4 dB
Temperature	0.8 °C
Humidity	2.2 %

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)	20-26°C	48-59%	PoE 48V	Ilya Zhang	Nov. 22, 2024~ Dec. 06, 2024

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	BreezeAir AXE 6X
Brand Name	Telrad Networks
Test Model	BreezeAir AXE 6X
Series Model	PN BX6XYYYYYYY(YYYYYYY stands for different variants sub products.)
Model Difference(s)	Only differ in model name.
Hardware Version	RDPC9009
Software Version	17.0XXX
Power Source	DC Voltage supplied from PoE adapter. Model: G0720-480-050
Power Rating	I/P: 100-240 V~ 50/60Hz 0.75A MAX O/P: 48.0V ⎓ 0.5A 24.0W –(4.5)pins, -(7.8)pins
Operation Frequency Band(s)	UNII-5: 5925 MHz ~ 6425 MHz UNII-7: 6525 MHz ~ 6875 MHz
Modulation Type	IEEE 802.11ax: OFDM
Bit Rate of Transmitter	IEEE 802.11ax: up to 2402 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
Professional Installation	☒ Yes ☐ No

Note:
1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2. Channel List:

UNII-5							
IEEE 802.11ax(HE20)		IEEE 802.11ax(HE40)		IEEE 802.11ax(HE80)		IEEE 802.11ax(HE160)	
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 802.11ax(HE40)		IEEE 802.11ax(HE80)		IEEE 802.11ax(HE160)	
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:

For Antenna Configuration 1:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	MARS ANTENNAS & RF SYSTEMS LTD.	RDAN9040	Dual Polarized Subscriber Antenna	2 x Pigtail 12 cm with MMCX Male	24
2	MARS ANTENNAS & RF SYSTEMS LTD.	RDAN9040	Dual Polarized Subscriber Antenna	2 x Pigtail 12 cm with MMCX Male	24

Note:

1) This EUT supports CDD, and all antennas have the same gain, Directional gain = G_{ANT}+Array Gain.
For power measurements, Array Gain=0dB ($N_{ANT}\leqslant 4$), so the Directional gain=24.
For power spectral density measurements, N_{ANT}=2, N_{SS} = 1.
So the Directional gain=G_{ANT}+Array Gain=G_{ANT}+10log(N_{ANT}/ N_{SS})dBi=24+10log(2/1)dBi=27.01.

For Antenna Configuration 2:

Ant.	Brand	P/N	Antenna Type	Connector	Gain □dBi)
1	Telrad Get more from wireless.	B-6X32S003 P	Dish Antenna	N Female (2x)	32
2	Telrad Get more from wireless.	B-6X32S003 P	Dish Antenna	N Female (2x)	32

Note:

1) This EUT supports CDD, and all antennas have the same gain, Directional gain = G_{ANT}+Array Gain.
For power measurements, Array Gain=0dB ($N_{ANT}\leqslant 4$), so the Directional gain=32.
For power spectral density measurements, N_{ANT}=2, N_{SS} = 1.
So the Directional gain=G_{ANT}+Array Gain=G_{ANT}+10log(N_{ANT}/ N_{SS})dBi=32+10log(2/1)dBi=35.01.

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

For Antenna Configuration 1:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	MARS ANTENNAS & RF SYSTEMS LTD.	RDAN9040	Dual Polarized Subscriber Antenna	2 x Pigtail 12 cm with MMCX Male	9
2	MARS ANTENNAS & RF SYSTEMS LTD.	RDAN9040	Dual Polarized Subscriber Antenna	2 x Pigtail 12 cm with MMCX Male	9

Note:

1) This EUT supports CDD, and all antennas have the same gain, Directional gain = G_{ANT}+Array Gain.
For power measurements, Array Gain=0dB ($N_{ANT}\leqslant 4$), so the Directional gain=9.

For Antenna Configuration 2:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	Telrad Get more from wireless.	B-6X32S003 P	Dish Antenna	N Female (2x)	7
2	Telrad Get more from wireless.	B-6X32S003 P	Dish Antenna	N Female (2x)	7

Note:

1) This EUT supports CDD, and all antennas have the same gain, Directional gain = G_{ANT}+Array Gain.
For power measurements, Array Gain=0dB ($N_{ANT}\leqslant 4$), so the Directional gain=7.

5. Table for Antenna Configuration:

Operating Mode / TX Mode	2TX
IEEE 802.11ax(HE20)	V (Antenna Configuration 1 or Antenna Configuration 2)
IEEE 802.11ax(HE40)	V (Antenna Configuration 1 or Antenna Configuration 2)
IEEE 802.11ax(HE80)	V (Antenna Configuration 1 or Antenna Configuration 2)
IEEE 802.11ax(HE160)	V (Antenna Configuration 1 or Antenna Configuration 2)

3.2 AFCD GENERAL CAPABILITIES DECLARATION

Item	Question	Vender Response
1	AFC DUT Type	Standard Power Access Point & Fixed Client
2	Does the AFC DUT supports sending an Available Spectrum Inquiry Request based on the inquiredFrequencyRange field?	NO
3	Does the AFC DUT supports sending an Available Spectrum Inquiry Request based on the inquired Channels fields?	YES
4	If the Answer to Items 2 and 3 is "Yes", what is AFC DUT's default inquiry type?	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?	Channels

3.3 TEST MODES

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

Note: All antenna configurations had been pre-tested and found the antenna configuration 2 is the worst and recorded.

3.4 CUSTOMER INFORMATION DESCRIPTION

1) The antenna gain is 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.

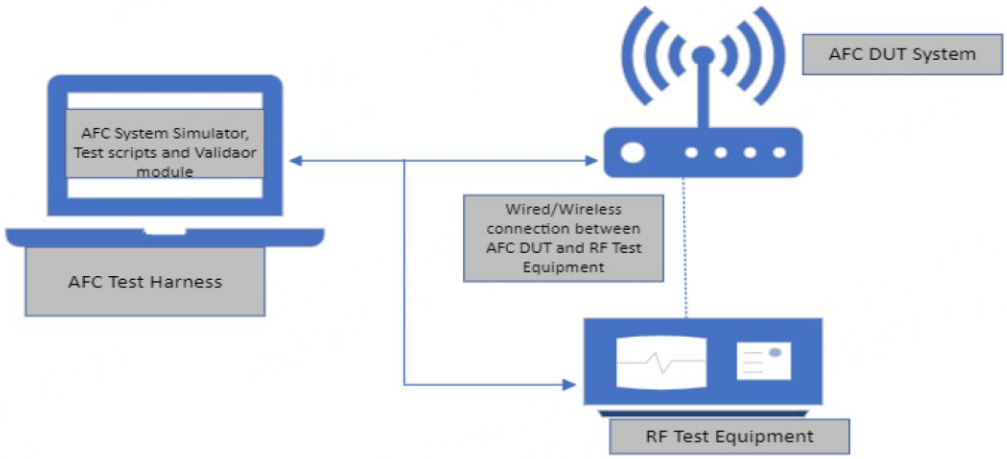
For Fixed Client:

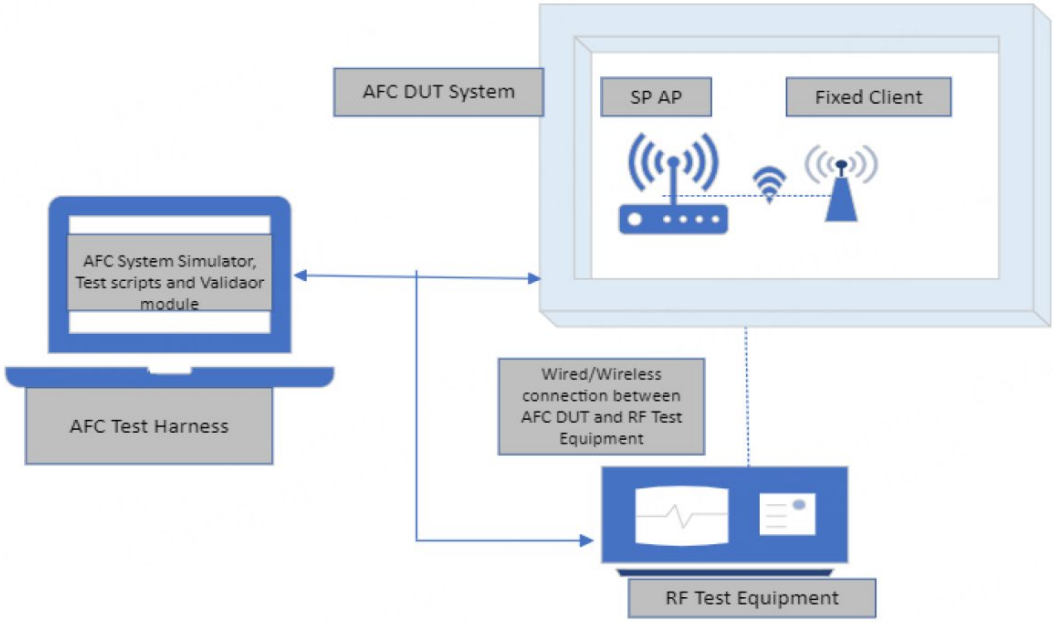
1. The AFC DUT set to Initial Pre-test State.
2. If needed (see Table 5 declaration), configure the AFC DUT with a temporary test regulatory identifier (e.g., FCC ID), geographic coordinates, antenna height, and uncertainty parameters.
   Configure the AFC DUT with AFC System URL and server root certificate.
   Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request using either In-band or Out-of-band methods.
3. AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquired Frequency Range and/or the inquired Channels fields*.
4. AFC DUT Test Harness validates the presence of mandatory registration information.
5. AFC DUT Test Harness sends an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the available Frequency Info and/or available Channel Info fields.
6. If AFC DUT used Out-of-band method, initiate connection procedure between AFC DUT and SP Access Point by following instructions provided by the AFC DUT Vendor.
7. Wait for 60 seconds.
   RF Test Equipment monitors any transmission by the AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies.
8. 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.
9. AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquired Frequency Range and/or the inquired Channels fields*.
10. AFC DUT Test Harness validates the presence of mandatory registration information.
11. 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 5.
12. If AFC DUT used Out-of-band method, initiate connection procedure between AFC DUT and SP Access Point by following instructions provided by the AFC DUT Vendor.
13. Wait for 60 seconds (configurable).
    RF Test Equipment monitors any transmission by the AFC DUT conforms to the conditions contained in the latest.
    Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies.

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 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.

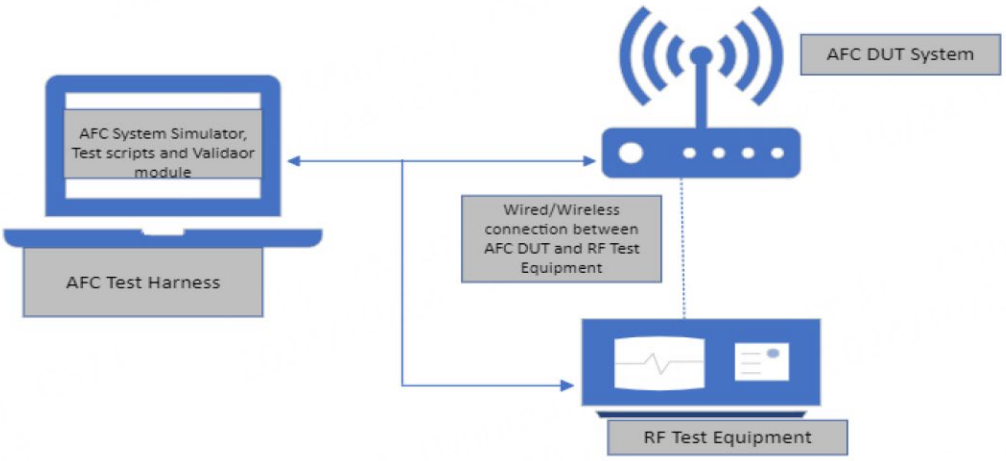
For Fixed Client:

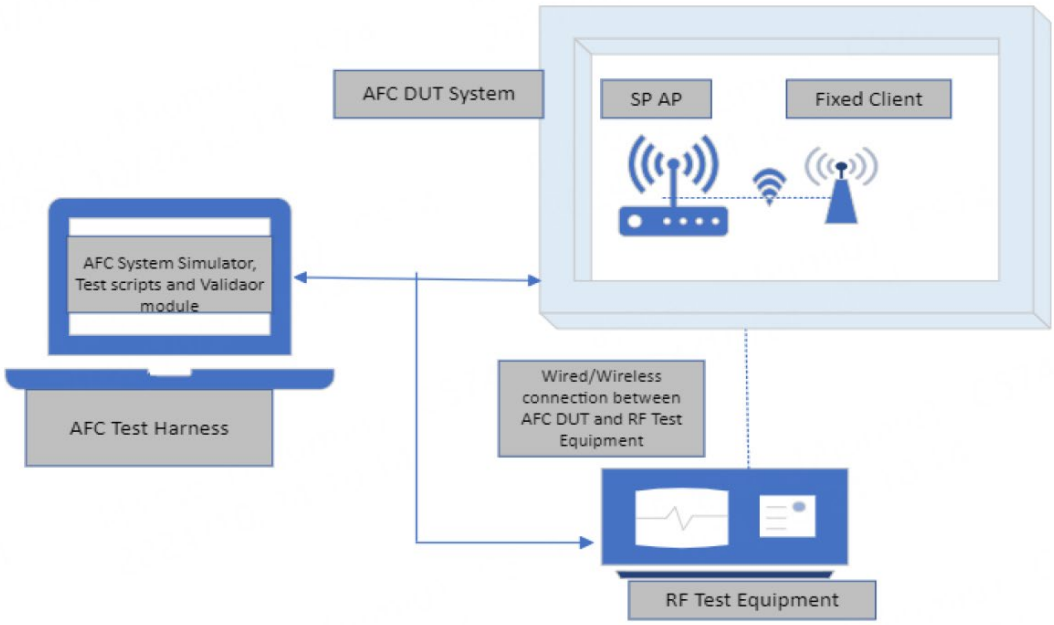
1. The AFC DUT set to Initial Pre-test State.
2. If needed (see Table 5 declaration), configure the AFC DUT with a temporary test regulatory identifier (e.g., FCC ID or IC ID), geographic coordinates, antenna height, and uncertainty parameters.
   Configure the AFC DUT with AFC System URL and server root certificate.
   Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request.
3. AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquired Frequency Range and/or the inquired Channels fields*.
4. AFC DUT Test Harness validates mandatory registration information.
5. AFC DUT Test Harness sends an Available Spectrum Inquiry Response indicating that no frequency ranges and/or channels are available using either In-band or Out-of-band methods.
6. If AFC DUT used Out-of-band method, initiate connection procedure between Fixed Client and SP Access Point by following instructions provided by the AFC DUT Vendor.
7. Wait for 60 seconds.
   RF Test Equipment monitors that the AFC DUT does not transmit above maximum transmit power limits advertised by the Standard Power Access Point for Standard Client Devices in the channel.

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 5declaration), 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.

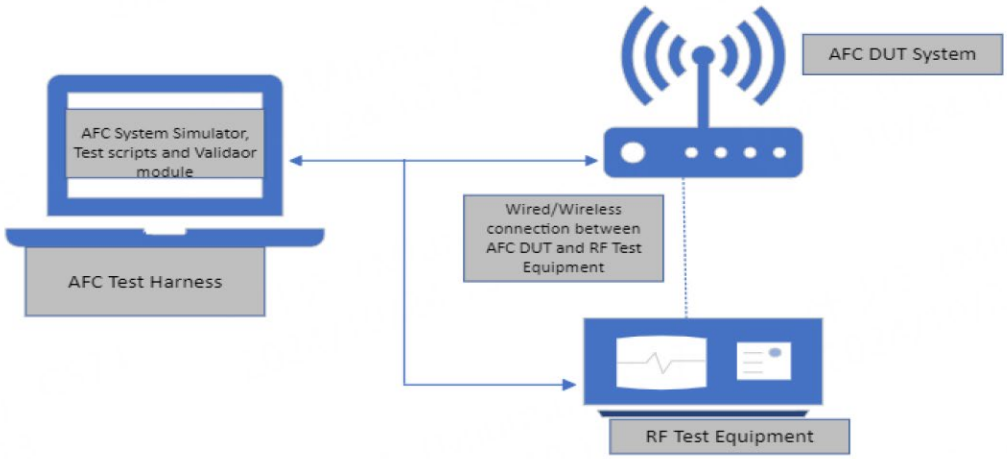
For Fixed Client:

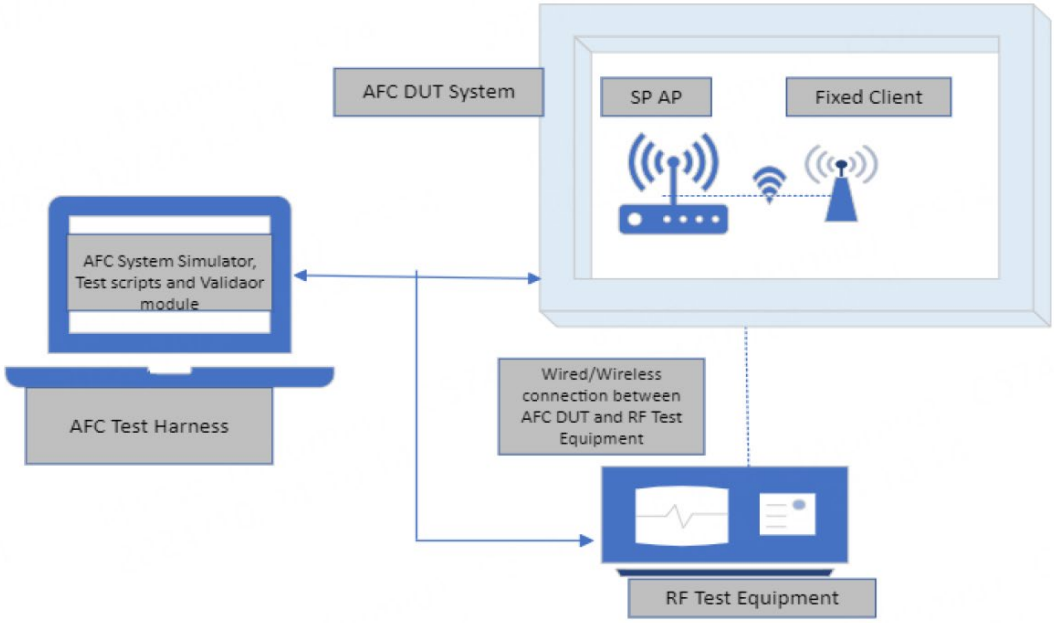
1. The AFC DUT set to Initial Pre-test State.
2. If needed (see Table 5 declaration), configure the AFC DUT with a temporary test regulatory identifier (e.g., FCC ID), geographic coordinates, antenna height, and uncertainty parameters.
   Configure the AFC DUT with AFC System URL and server root certificate.
   Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request using either In-band or Out-of- band methods.
3. AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquired Frequency Range and/or the inquired Channels fields*
4. AFC DUT Test Harness validates the presence of mandatory registration information.
5. AFC DUT Test Harness sends an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the available Frequency Info and/or available Channel Info fields.
6. If AFC DUT used Out-of-band method, initiate connection procedure between AFC DUT and SP Access Point by following instructions provided by the AFC DUT Vendor.
7. Wait for 60 seconds
   RF Test Equipment monitors any transmission by the AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies.
8. 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.
9. Wait for 60 seconds
   If the AFC DUT does not send an Available Spectrum Inquiry Request, RF Test Equipment monitors the output of the AFC DUT to verify the AFC DUT does not transmit above maximum transmit power limits advertised by the Standard.
   Power Access Point for Standard Client Devices in the channel and STOP the test.
   If the AFC DUT sends an Available Spectrum Inquiry Request, then CONTINUE with Step 9.
10. AFC DUT Test Harness evaluates validity of mandatory registration information
11. 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 5.
    During the 60 seconds wait time, RF Test Equipment monitors the output of the AFC DUT to confirm that the AFC DUT
    does not transmit above maximum transmit power limits advertised by the Standard Power Access Point for Standard Client Devices in the channel.
12. If AFC DUT used Out-of-band method, initiate connection procedure between AFC DUT and SP Access Point by following instructions provided by the AFC DUT Vendor.
13. Wait for 60 seconds
    RF Test Equipment monitors any transmission by the AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies.

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 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 5declaration), 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 theband,
   - 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.

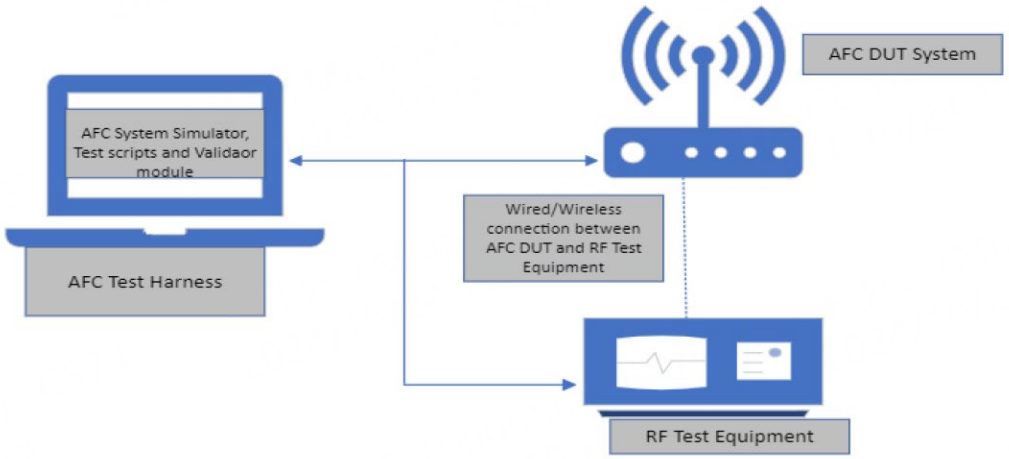
For Fixed Client:

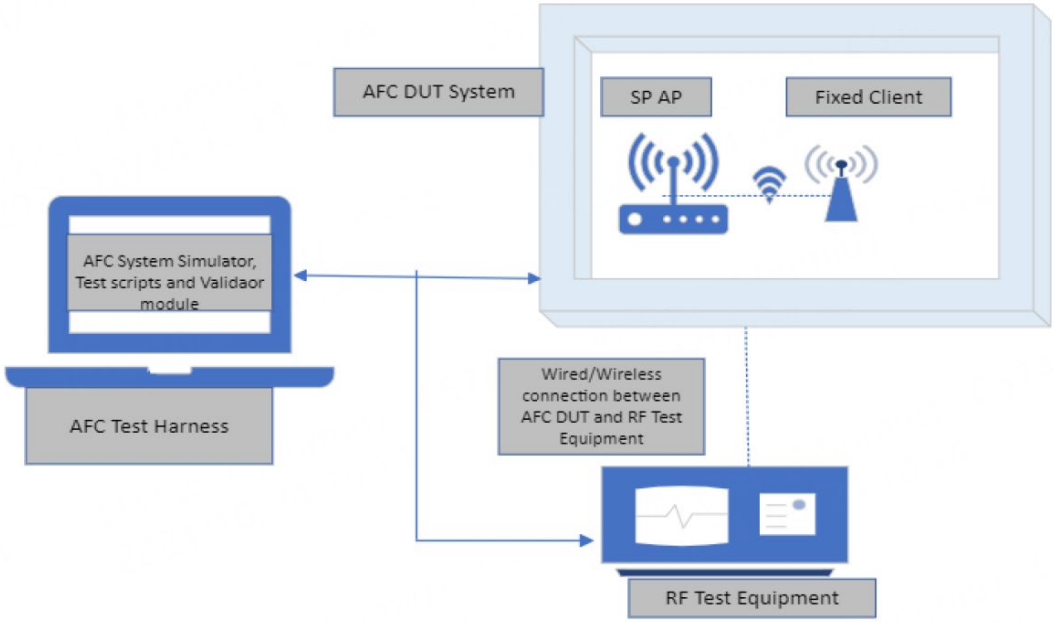
1. The AFC DUT set to Initial Pre-test State.
2. If needed (see Table 5 declaration), configure the DUT with a temporary test regulatory identifier (e.g., FCC ID), geographic coordinates, antenna height, and uncertainty parameters.
   Configure the AFC DUT with AFC System URL and server root certificate.
   Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request using either In-band or Out-of- band methods.
3. AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquired Frequency Range and/or the inquired Channels fields*.
4. AFC DUT Test Harness validates the presence of mandatory registration information.
5. AFC DUT Test Harness sends an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the available Frequency Info and/or available Channel Info fields.
6. If AFC DUT used Out-of-band method, initiate connection procedure between AFC DUT and SP Access Point by following instructions provided by the AFC DUT Vendor.
7. Wait for 60 seconds
   RF Test Equipment monitors any transmission by the AFC DUT conforms to the conditions contained in the Available.
   Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies.
8. 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 or IC ID), new geographic coordinates, antenna height, and uncertainty parameters.
   Configure the AFC DUT with AFC System URL and server root certificate.
9. Wait for 60 seconds
   If the AFC DUT does not send an Available Spectrum Inquiry Request, RF Test Equipment monitors that the AFC DUT does not transmit above maximum transmit power limits advertised by the Standard Power Access Point for Standard Client Devices in the channel.,
   If the AFC DUT sends an Available Spectrum Inquiry Request, then CONTINUE with Step 22 else STOP the test.
10. AFC DUT Test Harness evaluates validity of mandatory registration information.
11. AFC DUT Test Harness sends an Available Spectrum Inquiry Response indicating that no frequency ranges and/or channels are available.
12. If AFC DUT used Out-of-band method, initiate connection procedure between AFC DUT and SP Access Point by following instructions provided by the AFC DUT Vendor.
13. Wait for 60 seconds
    RF Test Equipment monitors that the AFC DUT does not transmit above maximum transmit power limits advertised by the Standard Power Access Point for Standard Client Devices in the channel.

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 2.3.1signed 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).

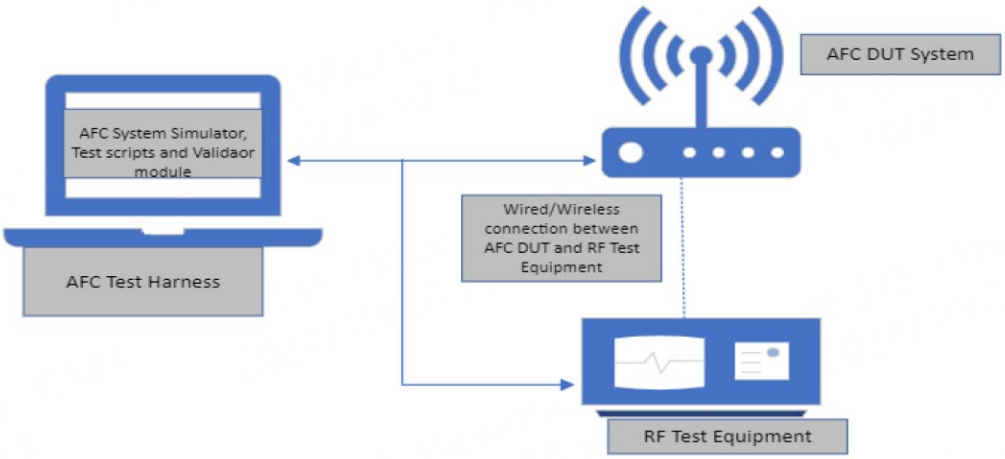
   Configure the AFC DUT with the AFC System URL and the following root certificate:
   - Runs 1-7: Root certificate as per Section 2.3.1.
   - Run 8: No root certificate.

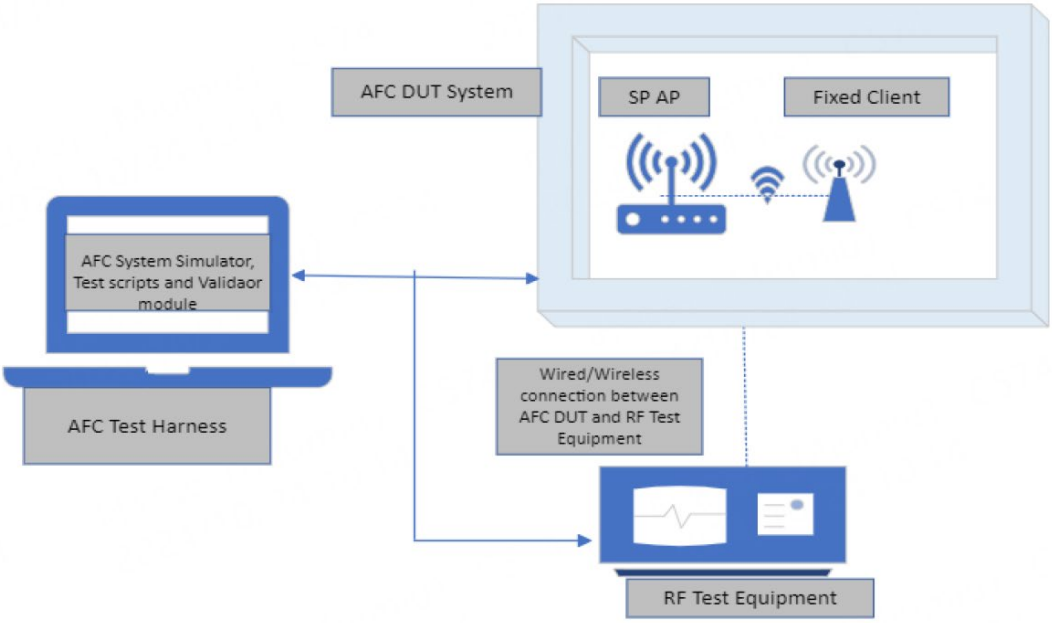
   Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request using either In-band or Out-of-band methods.
2. AFC DUT Test Harness waits 10 seconds, and verifies no Available Spectrum Inquiry Request is sent to it.
3. Steps 1 and 2 are repeated for each of the remaining 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	EXA Spectrum Analyzer	Agilent	N9010A	MY50520044	Dec. 22, 2024
2	Isolation attenuator	Z-Link	ASMA-16-18-2W	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(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_Channel_20MHz_10618_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_Channel_20MHz_10618_1 (Successful registration and spectrum access request)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (23.1 dBm EIRP) on channel 17 bandwidth 20.	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 (26.6 dBm EIRP) on channel 1 bandwidth 20.	true	PASS

```
############################    2024-12-06T10:31:31Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
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        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "570",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
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                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
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                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
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                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            13,
                            17
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-06T10:31:32Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
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            "availableChannelInfo": [
                {
                    "channelCfi": [
                        17
                    ],
                    "globalOperatingClass": 131,
                    "maxEirp": [
                        23.1
                    ]
                },
                {
                    "channelCfi": [
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        29.1
                    ]
                }
            ],
            "requestId": "Telrad-1000",
            "availabilityExpireTime": "2024-12-07T10:31:32Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-06T10:43:08Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "570",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1001",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
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                            "latitude": 10.0,
                            "longitude": 10.0
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                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            17,
                            21
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-06T10:43:08Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        7
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        27.6
                    ]
                }
            ],
            "requestId": "Telrad-1001",
            "availabilityExpireTime": "2024-12-07T10:43:08Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-06T10:43:40Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "570",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
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                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
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                        "center": {
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                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            17,
                            21
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-06T10:43:40Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        7
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        27.6
                    ]
                }
            ],
            "requestId": "Telrad-1002",
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            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-06T10:50:46Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "570",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
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                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            17,
                            21
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-06T10:50:46Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        7
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        27.6
                    ]
                }
            ],
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            "availabilityExpireTime": "2024-12-07T10:50:46Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-06T10:51:07Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
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        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
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        "Connection": "Keep-Alive"
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                    "certificationId": [
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                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
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                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
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                            21
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-06T10:51:07Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        7
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        27.6
                    ]
                }
            ],
            "requestId": "Telrad-1004",
            "availabilityExpireTime": "2024-12-07T10:51:07Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-06T10:52:04Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "568",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1005",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            1,
                            5
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-06T10:52:04Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        1,
                        5
                    ],
                    "globalOperatingClass": 131,
                    "maxEirp": [
                        26.6,
                        24.1
                    ]
                },
                {
                    "channelCfi": [
                        7
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        27.6
                    ]
                }
            ],
            "requestId": "Telrad-1005",
            "availabilityExpireTime": "2024-12-07T10:52:04Z",
            "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)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_Channel_40MHz_10619_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_Channel_40MHz_10619_1 (Successful registration and spectrum access request)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (24.3 dBm EIRP) on channel center frequency index 11 bandwidth 40.	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 (25.4 dBm EIRP) on channel center frequency index 19 bandwidth 40.	true	PASS

```
############################    2024-12-06T06:44:21Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "570",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1000",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            11,
                            19
                        ],
                        "globalOperatingClass": 132
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-06T06:44:21Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        11
                    ],
                    "globalOperatingClass": 132,
                    "maxEirp": [
                        24.3
                    ]
                },
                {
                    "channelCfi": [
                        7
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        27.3
                    ]
                }
            ],
            "requestId": "Telrad-1000",
            "availabilityExpireTime": "2024-12-07T06:44:21Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-06T06:46:25Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "570",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1001",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            11,
                            19
                        ],
                        "globalOperatingClass": 132
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-06T06:46:25Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        19
                    ],
                    "globalOperatingClass": 132,
                    "maxEirp": [
                        25.4
                    ]
                },
                {
                    "channelCfi": [
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        28.4
                    ]
                }
            ],
            "requestId": "Telrad-1001",
            "availabilityExpireTime": "2024-12-07T06:46:25Z",
            "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_Channel_80MHz_10620_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_Channel_80MHz_10620_1 (Successful registration and spectrum access request)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (28.6 dBm EIRP) on channel center frequency index 23 bandwidth 80.	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (32.5 dBm EIRP) on channel center frequency index 39 bandwidth 80.	true	PASS

```
############################     2024-12-06T07:57:05Z     ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "519",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1000",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            23,
                            39
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-06T07:57:05Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        28.6
                    ]
                }
            ],
            "requestId": "Telrad-1000",
            "availabilityExpireTime": "2024-12-07T07:57:05Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-06T08:04:28Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "519",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1001",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            23,
                            39
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-06T08:04:28Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        39
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        32.5
                    ]
                }
            ],
            "requestId": "Telrad-1001",
            "availabilityExpireTime": "2024-12-07T08:04:28Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-06T08:04:46Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "519",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1002",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            39,
                            55
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-06T08:04:46Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        39
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        32.5
                    ]
                }
            ],
            "requestId": "Telrad-1002",
            "availabilityExpireTime": "2024-12-07T08:04:46Z",
            "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_Channel_160MHz_10621_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_Channel_160MHz_10621_1 (Successful registration and spectrum access request)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (31.3 dBm EIRP) on channel center frequency index 79 bandwidth 160.	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (31.4 dBm EIRP) on channel center frequency index 143 bandwidth 160.	true	PASS

```
############################     2024-12-06T08:49:20Z     ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "570",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1002",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            47,
                            79
                        ],
                        "globalOperatingClass": 134
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-06T08:49:20Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        79
                    ],
                    "globalOperatingClass": 134,
                    "maxEirp": [
                        31.3
                    ]
                }
            ],
            "requestId": "Telrad-1002",
            "availabilityExpireTime": "2024-12-07T08:49:20Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

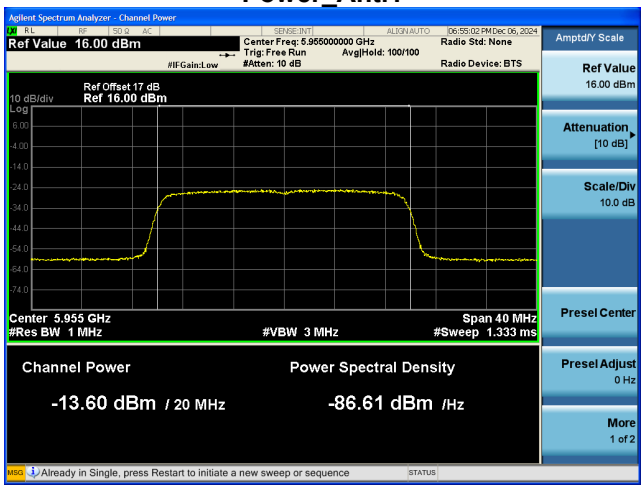
```
############################    2024-12-06T09:02:02Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "571",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1003",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            79,
                            143
                        ],
                        "globalOperatingClass": 134
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-06T09:02:02Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        143
                    ],
                    "globalOperatingClass": 134,
                    "maxEirp": [
                        31.4
                    ]
                }
            ],
            "requestId": "Telrad-1003",
            "availabilityExpireTime": "2024-12-07T09:02:02Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

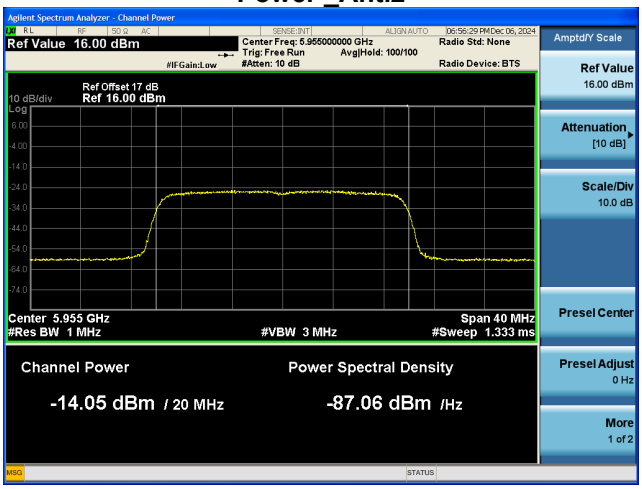
Freq. (MHz)	Bandwidth (MHz)	Antenna Gain (dBi)	ANT1 Power (dBm)	ANT2 Power (dBm)	Duty factor (dB)	Total EIRP (dBm)	AFC Response Limit (dBm)	Result	ANT1 PSD (dBm/MHz)	ANT2 PSD (dBm/MHz)	Duty factor (dB)	Total PSD (dBm)	AFC Response Limit (dBm/MHz)	Result
5955	20	32	-13.6	-14.05	1.80	22.99	26.6	PASS	-24.882	-24.47	1.80	12.13	N/A	PASS
6045	40	32	-15.1	-15.76	1.92	21.51	25.4	PASS	-29.795	-29.045	1.92	7.52	N/A	PASS
6145	80	32	-15.2	-15.72	1.93	21.49	32.5	PASS	-32.992	-32.352	1.93	4.28	N/A	PASS
6665	160	32	-9.33	-9.91	1.98	27.38	31.4	PASS	-29.786	-29.484	1.98	7.36	N/A	PASS

Test Mode	TX AX(HE20) Mode	Frequency(MHz)	5955MHz

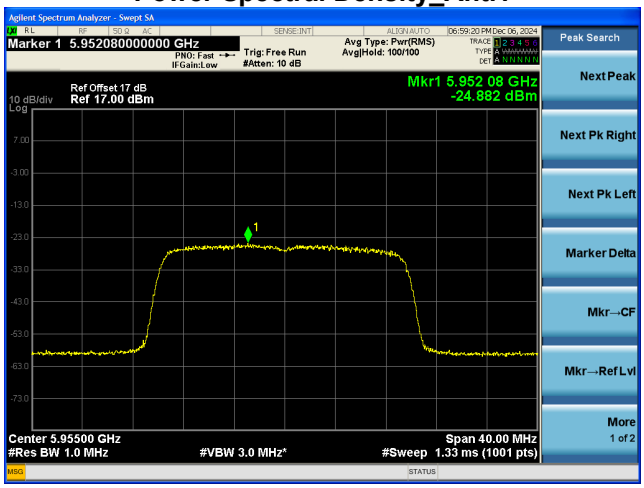
Power_Ant.1



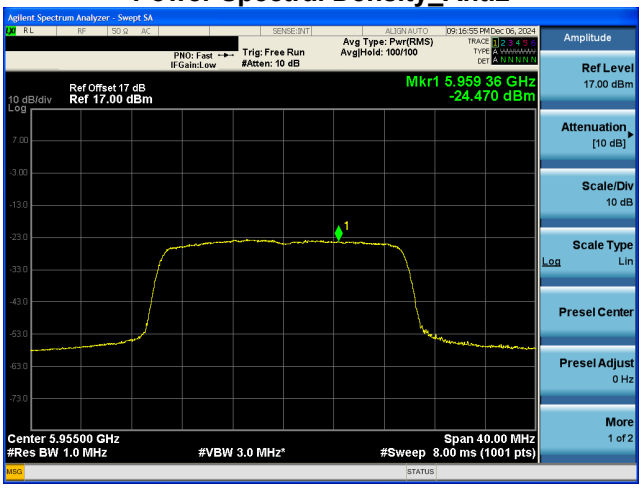
Power _Ant.2



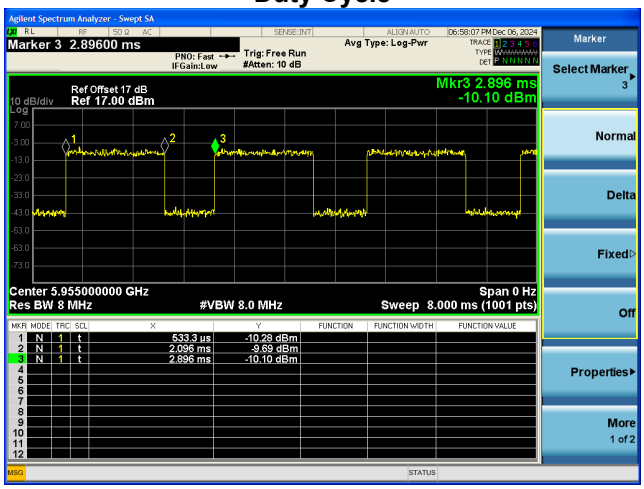
Power Spectral Density_Ant.1



Power Spectral Density_Ant.2

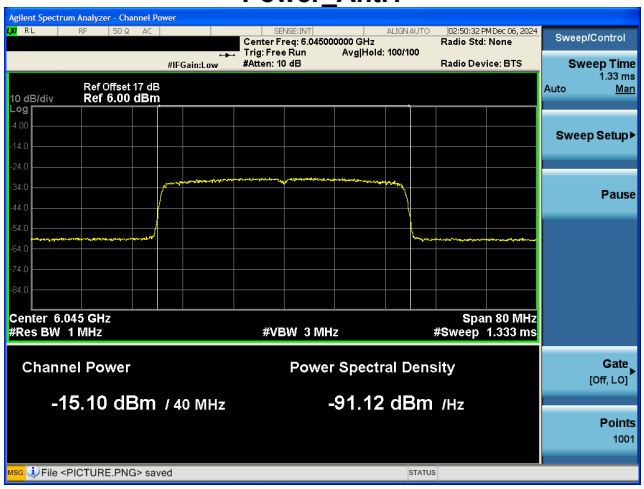


Duty Cycle

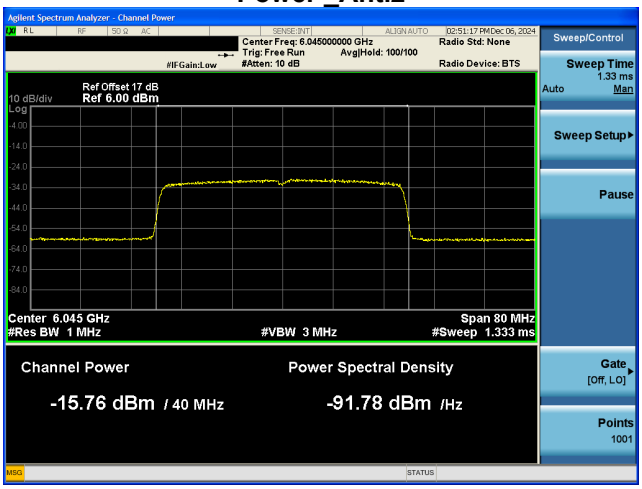


Test Mode	TX AX(HE40) Mode	Frequency(MHz)	6045MHz

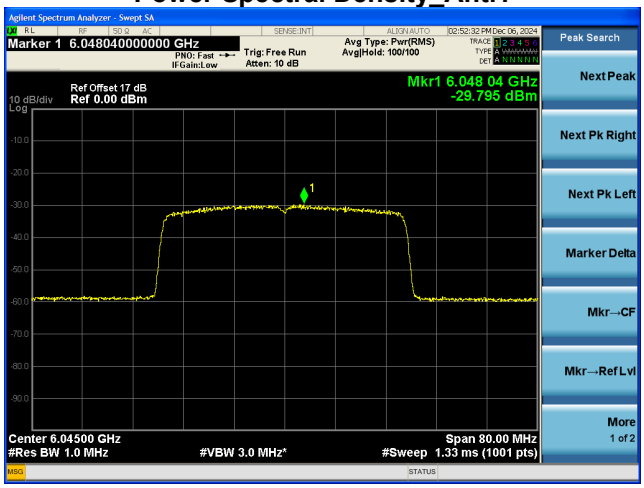
Power_Ant.1



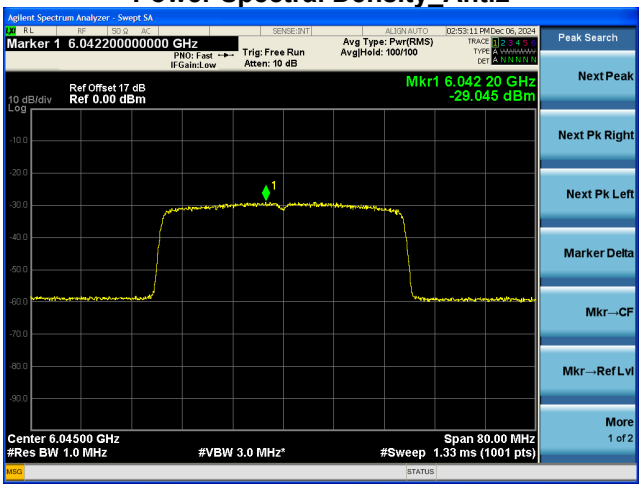
Power _Ant.2



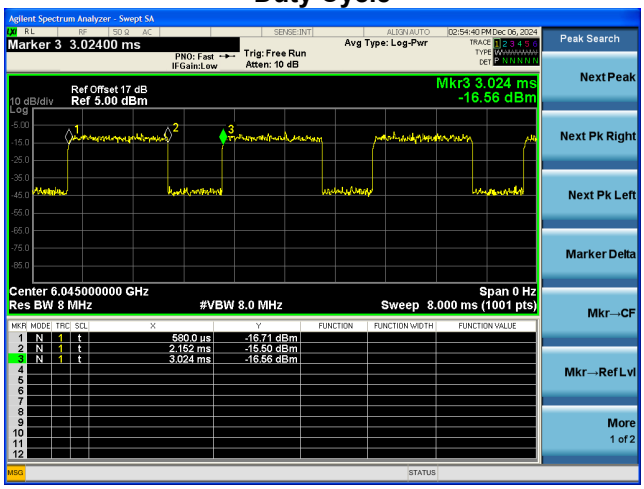
Power Spectral Density_Ant.1



Power Spectral Density_Ant.2



Duty Cycle

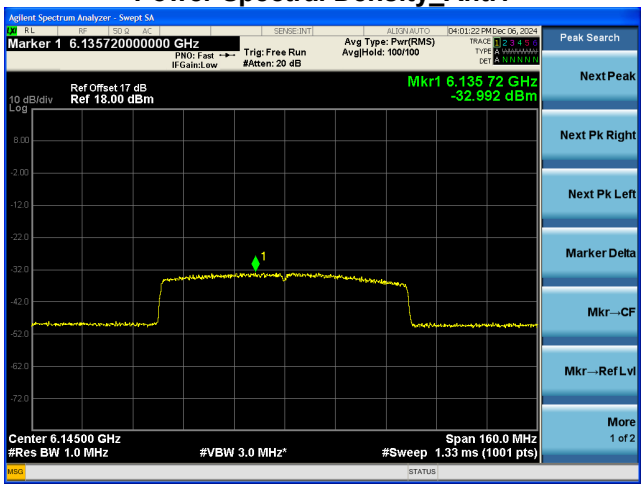


Test Mode	TX AX(HE80) Mode	Frequency(MHz)	6145MHz

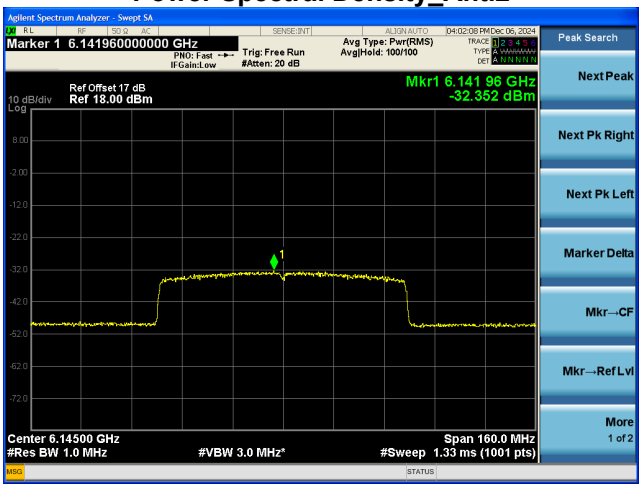
Power_Ant.1

Power _Ant.2

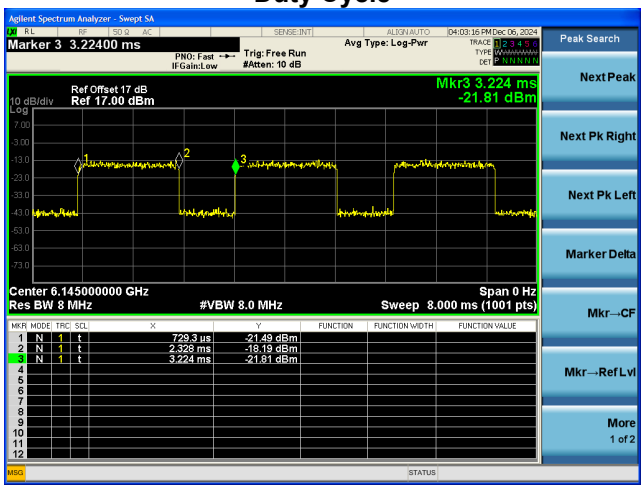
Power Spectral Density_Ant.1



Power Spectral Density_Ant.2



Duty Cycle

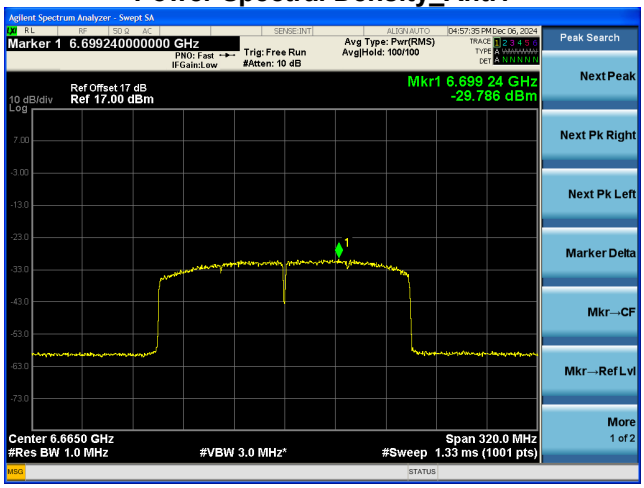


Test Mode	TX AX(HE160) Mode	Frequency(MHz)	6665MHz

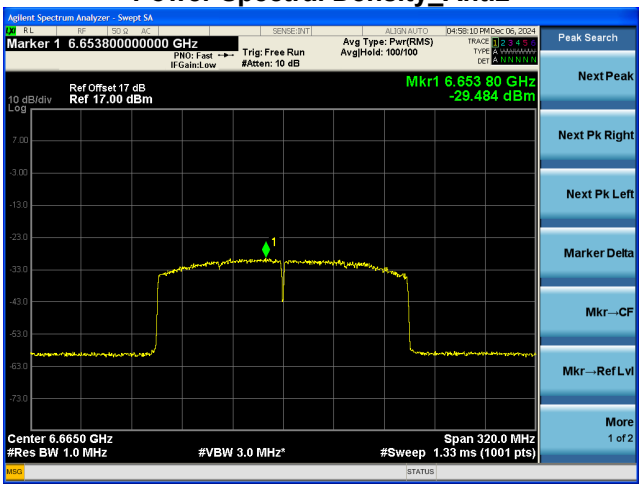
Power_Ant.1

Power _Ant.2

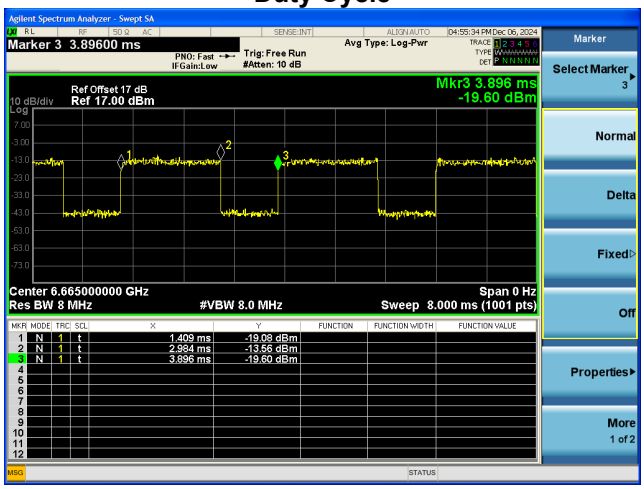
Power Spectral Density_Ant.1



Power Spectral Density_Ant.2



Duty Cycle



Device Type:	Fixed Client	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(l)(ii), 15.407(k)(8)(iv)	CT_AFC_FC_STA_AFCDRSA31_Channel_20MHz_10647_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_FC_STA_AFCDRSA31_Channel_20MHz_10647_1 (Successful registration and spectrum access request)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
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 (29.9 dBm EIRP) on channel 1 bandwidth 20.	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 (25.1 dBm EIRP) on channel 37 bandwidth 20.	true	PASS

```
############################     2024-12-03T02:26:28Z     ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "568",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1000",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            1,
                            5
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-03T02:26:28Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        1,
                        5
                    ],
                    "globalOperatingClass": 131,
                    "maxEirp": [
                        29.9,
                        25.5
                    ]
                },
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        28.9,
                        30.2
                    ]
                }
            ],
            "requestId": "Telrad-1000",
            "availabilityExpireTime": "2024-12-04T02:26:28Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-03T02:27:10Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "568",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1001",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            1,
                            5
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-03T02:27:10Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        1,
                        5
                    ],
                    "globalOperatingClass": 131,
                    "maxEirp": [
                        29.9,
                        25.5
                    ]
                },
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        28.9,
                        30.2
                    ]
                }
            ],
            "requestId": "Telrad-1001",
            "availabilityExpireTime": "2024-12-04T02:27:10Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-03T02:29:53Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "568",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1002",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            1,
                            5
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-03T02:29:53Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        1,
                        5
                    ],
                    "globalOperatingClass": 131,
                    "maxEirp": [
                        33.3,
                        34.6
                    ]
                },
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        30.9,
                        28.4
                    ]
                }
            ],
            "requestId": "Telrad-1002",
            "availabilityExpireTime": "2024-12-04T02:29:53Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-03T02:30:29Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "570",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1003",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            37,
                            41
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-03T02:30:29Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        37,
                        41
                    ],
                    "globalOperatingClass": 131,
                    "maxEirp": [
                        25.1,
                        25.9
                    ]
                },
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        30.9,
                        28.4
                    ]
                }
            ],
            "requestId": "Telrad-1003",
            "availabilityExpireTime": "2024-12-04T02:30:29Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-03T02:32:19Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "570",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1004",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            37,
                            41
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-03T02:32:19Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        37,
                        41
                    ],
                    "globalOperatingClass": 131,
                    "maxEirp": [
                        25.1,
                        25.9
                    ]
                },
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        30.9,
                        28.4
                    ]
                }
            ],
            "requestId": "Telrad-1004",
            "availabilityExpireTime": "2024-12-04T02:32:19Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

Device Type:	Fixed Client	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)(ii), 15.407(k)(8)(iv)	CT_AFC_FC_STA_AFCDRSA31_Channel_40MHz_10648_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_FC_STA_AFCDRSA31_Channel_40MHz_10648_1 (Successful registration and spectrum access request)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
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 (25.1 dBm EIRP) on channel center frequency index 11 bandwidth 40.	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (33.9 dBm EIRP) on channel center frequency index 11 bandwidth 40.	true	PASS

```
############################     2024-12-03T01:30:36Z     ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "570",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1000",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            11,
                            19
                        ],
                        "globalOperatingClass": 132
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-03T01:30:36Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        11,
                        19
                    ],
                    "globalOperatingClass": 132,
                    "maxEirp": [
                        25.1,
                        24.5
                    ]
                },
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        28.1,
                        27.3
                    ]
                }
            ],
            "requestId": "Telrad-1000",
            "availabilityExpireTime": "2024-12-04T01:30:36Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-03T01:32:32Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "570",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1001",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            11,
                            19
                        ],
                        "globalOperatingClass": 132
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-03T01:32:32Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        11,
                        19
                    ],
                    "globalOperatingClass": 132,
                    "maxEirp": [
                        25.1,
                        24.5
                    ]
                },
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        28.1,
                        27.3
                    ]
                }
            ],
            "requestId": "Telrad-1001",
            "availabilityExpireTime": "2024-12-04T01:32:32Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-03T01:33:24Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "570",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1002",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            11,
                            19
                        ],
                        "globalOperatingClass": 132
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-03T01:33:24Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        11,
                        19
                    ],
                    "globalOperatingClass": 132,
                    "maxEirp": [
                        25.1,
                        24.5
                    ]
                },
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        28.1,
                        27.3
                    ]
                }
            ],
            "requestId": "Telrad-1002",
            "availabilityExpireTime": "2024-12-04T01:33:24Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-03T01:48:17Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "570",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1003",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            11,
                            19
                        ],
                        "globalOperatingClass": 132
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-03T01:48:18Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        11,
                        19
                    ],
                    "globalOperatingClass": 132,
                    "maxEirp": [
                        33.9,
                        27.0
                    ]
                },
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        27.1,
                        30.0
                    ]
                }
            ],
            "requestId": "Telrad-1003",
            "availabilityExpireTime": "2024-12-04T01:48:18Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

Device Type:	Fixed Client	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_FC_STA_AFCDRSA31_Channel_80MHz_10649_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_FC_STA_AFCDRSA31_Channel_80MHz_10649_1 (Successful registration and spectrum access request)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
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 (29.9 dBm EIRP) on channel center frequency index 23 bandwidth 80.	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (31.2 dBm EIRP) on channel center frequency index 23 bandwidth 80.	true	PASS

```
############################    2024-12-03T06:33:08Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "519",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1000",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            23,
                            39
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-03T06:33:08Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        23,
                        39
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        29.9,
                        30.9
                    ]
                }
            ],
            "requestId": "Telrad-1000",
            "availabilityExpireTime": "2024-12-04T06:33:08Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-03T06:35:18Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "519",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1001",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            23,
                            39
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-03T06:35:18Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        23,
                        39
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        31.2,
                        30.6
                    ]
                }
            ],
            "requestId": "Telrad-1001",
            "availabilityExpireTime": "2024-12-04T06:35:18Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

Device Type:	Fixed Client	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_FC_STA_AFCDRSA31_Channel_160MHz_10650_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_FC_STA_AFCDRSA31_Channel_160MHz_10650_1 (Successful registration and spectrum access request)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
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 (31.3 dBm EIRP) on channel center frequency index 47 bandwidth 160.	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (30.7 dBm EIRP) on channel center frequency index 15 bandwidth 160.	true	PASS

```
############################    2024-12-03T06:57:13Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "570",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1000",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            15,
                            47
                        ],
                        "globalOperatingClass": 134
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-03T06:57:14Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        28.2,
                        27.5
                    ]
                },
                {
                    "channelCfi": [
                        15,
                        47
                    ],
                    "globalOperatingClass": 134,
                    "maxEirp": [
                        30.5,
                        31.3
                    ]
                }
            ],
            "requestId": "Telrad-1000",
            "availabilityExpireTime": "2024-12-04T06:57:13Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-03T06:58:01Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "570",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1001",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            15,
                            47
                        ],
                        "globalOperatingClass": 134
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-03T06:58:01Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        28.2,
                        27.5
                    ]
                },
                {
                    "channelCfi": [
                        15,
                        47
                    ],
                    "globalOperatingClass": 134,
                    "maxEirp": [
                        30.5,
                        31.3
                    ]
                }
            ],
            "requestId": "Telrad-1001",
            "availabilityExpireTime": "2024-12-04T06:58:01Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-03T06:58:16Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "570",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1002",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            15,
                            47
                        ],
                        "globalOperatingClass": 134
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-03T06:58:16Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        28.2,
                        27.5
                    ]
                },
                {
                    "channelCfi": [
                        15,
                        47
                    ],
                    "globalOperatingClass": 134,
                    "maxEirp": [
                        30.5,
                        31.3
                    ]
                }
            ],
            "requestId": "Telrad-1002",
            "availabilityExpireTime": "2024-12-04T06:58:16Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-03T07:00:33Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "570",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1000",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            15,
                            47
                        ],
                        "globalOperatingClass": 134
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-03T07:00:33Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        28.2,
                        27.5
                    ]
                },
                {
                    "channelCfi": [
                        15,
                        47
                    ],
                    "globalOperatingClass": 134,
                    "maxEirp": [
                        30.5,
                        31.3
                    ]
                }
            ],
            "requestId": "Telrad-1000",
            "availabilityExpireTime": "2024-12-04T07:00:33Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-03T07:01:03Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "570",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1001",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            15,
                            47
                        ],
                        "globalOperatingClass": 134
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-03T07:01:03Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        28.2,
                        27.5
                    ]
                },
                {
                    "channelCfi": [
                        15,
                        47
                    ],
                    "globalOperatingClass": 134,
                    "maxEirp": [
                        30.5,
                        31.3
                    ]
                }
            ],
            "requestId": "Telrad-1001",
            "availabilityExpireTime": "2024-12-04T07:01:03Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-03T07:02:42Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "570",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1000",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            47,
                            79
                        ],
                        "globalOperatingClass": 134
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-03T07:02:42Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        28.2,
                        27.5
                    ]
                },
                {
                    "channelCfi": [
                        47,
                        79
                    ],
                    "globalOperatingClass": 134,
                    "maxEirp": [
                        31.3,
                        31.6
                    ]
                }
            ],
            "requestId": "Telrad-1000",
            "availabilityExpireTime": "2024-12-04T07:02:42Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-03T07:04:24Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "570",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1000",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            47,
                            79
                        ],
                        "globalOperatingClass": 134
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-03T07:04:24Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        28.2,
                        27.5
                    ]
                },
                {
                    "channelCfi": [
                        47,
                        79
                    ],
                    "globalOperatingClass": 134,
                    "maxEirp": [
                        31.3,
                        31.6
                    ]
                }
            ],
            "requestId": "Telrad-1000",
            "availabilityExpireTime": "2024-12-04T07:04:24Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-03T07:06:59Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "570",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1001",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            47,
                            79
                        ],
                        "globalOperatingClass": 134
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-03T07:06:59Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        28.7,
                        27.7
                    ]
                },
                {
                    "channelCfi": [
                        47,
                        79
                    ],
                    "globalOperatingClass": 134,
                    "maxEirp": [
                        33.7,
                        30.0
                    ]
                }
            ],
            "requestId": "Telrad-1001",
            "availabilityExpireTime": "2024-12-04T07:06:59Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-03T07:07:21Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "570",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1002",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            15,
                            47
                        ],
                        "globalOperatingClass": 134
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-03T07:07:21Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        28.7,
                        27.7
                    ]
                },
                {
                    "channelCfi": [
                        15,
                        47
                    ],
                    "globalOperatingClass": 134,
                    "maxEirp": [
                        30.7,
                        33.7
                    ]
                }
            ],
            "requestId": "Telrad-1002",
            "availabilityExpireTime": "2024-12-04T07:07:21Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

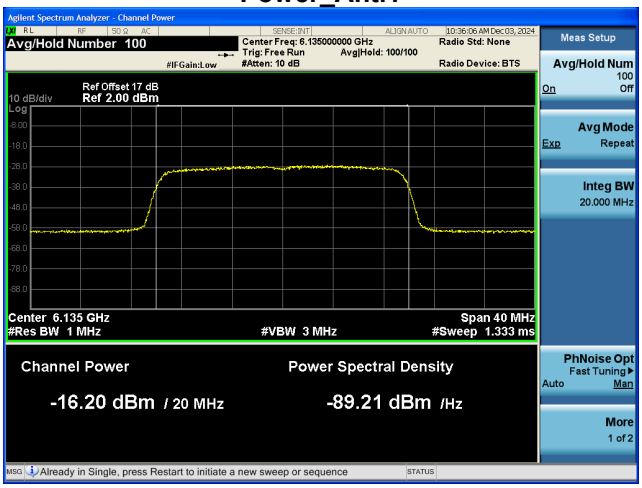
```
############################    2024-12-03T07:08:44Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "570",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1000",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            15,
                            47
                        ],
                        "globalOperatingClass": 134
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-03T07:08:44Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        28.7,
                        27.7
                    ]
                },
                {
                    "channelCfi": [
                        15,
                        47
                    ],
                    "globalOperatingClass": 134,
                    "maxEirp": [
                        30.7,
                        33.7
                    ]
                }
            ],
            "requestId": "Telrad-1000",
            "availabilityExpireTime": "2024-12-04T07:08:44Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

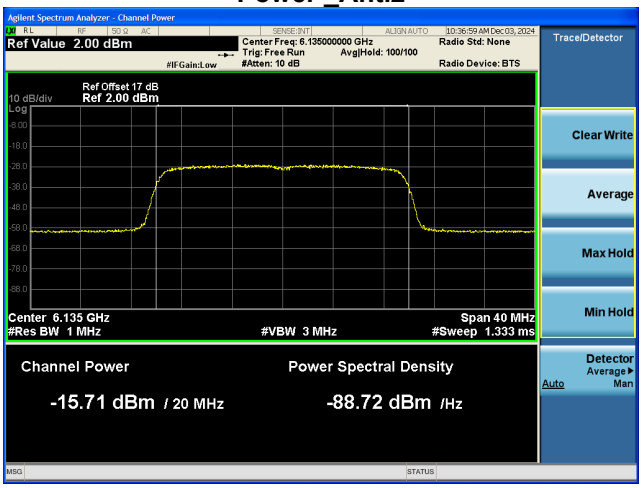
Freq. (MHz)	Bandwidth (MHz)	Antenna Gain (dBi)	ANT1 Power (dBm)	ANT2 Power (dBm)	Duty factor (dB)	Total EIRP (dBm)	AFC Response Limit (dBm)	Result	ANT1 PSD (dBm/MHz)	ANT2 PSD (dBm/MHz)	Duty factor (dB)	Total PSD (dBm)	AFC Response Limit (dBm/MHz)	Result
6135	20	32	-16.2	-15.71	1.88	20.95	25.1	PASS	-26.517	-26.918	1.88	10.18	N/A	PASS
6005	40	32	-7.96	-7.75	1.82	28.98	33.9	PASS	-22.305	-20.19	1.82	15.71	N/A	PASS
6065	80	32	-9.67	-10.11	1.81	26.93	31.2	PASS	-27.912	-26.031	1.81	9.95	N/A	PASS
6025	160	32	-13.42	-14.43	1.98	23.09	30.7	PASS	-33.542	-33.028	1.98	3.71	N/A	PASS

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

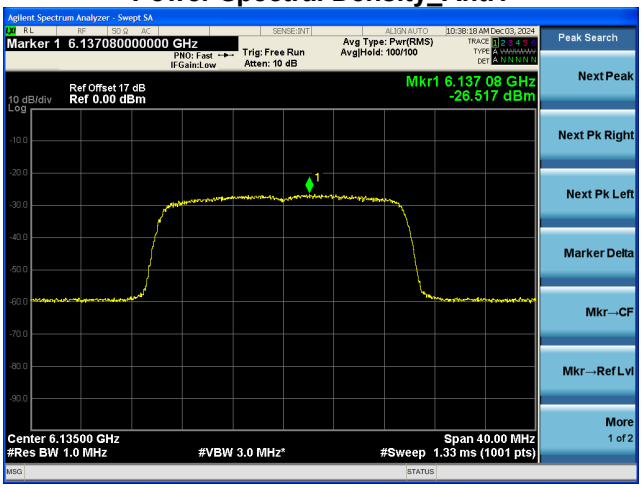
Power_Ant.1



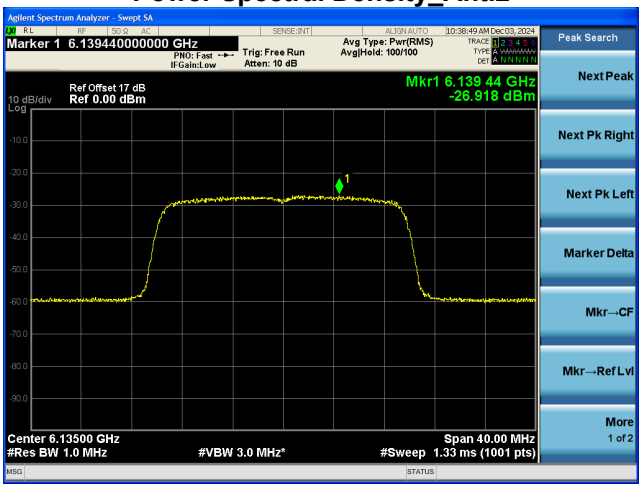
Power _Ant.2



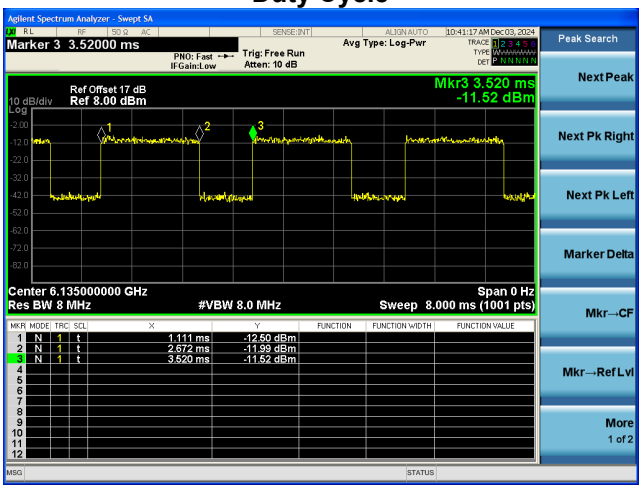
Power Spectral Density_Ant.1



Power Spectral Density_Ant.2

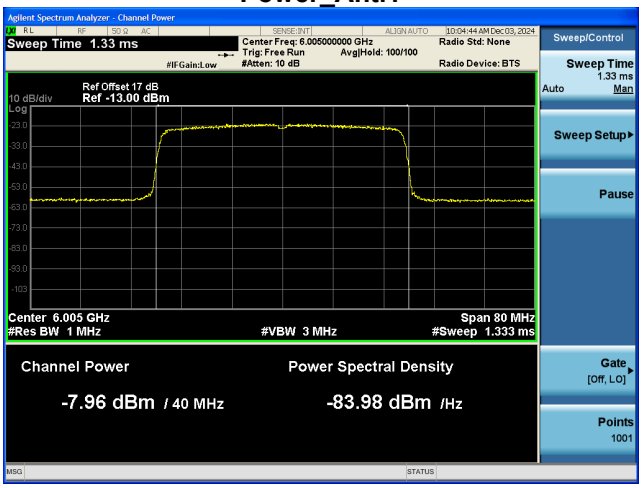


Duty Cycle

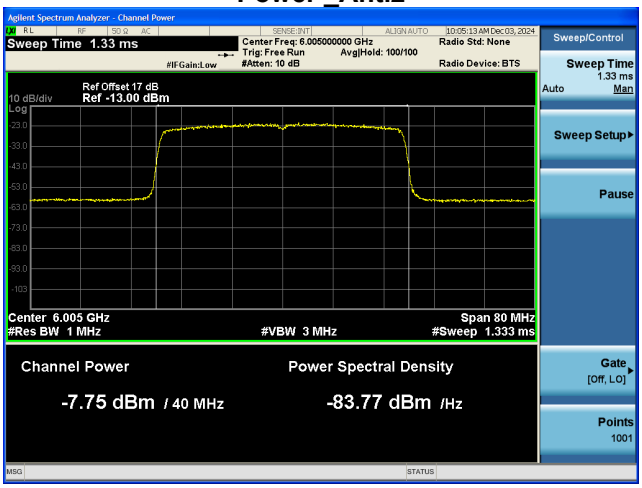


Test Mode	TX AX(HE40) Mode	Frequency(MHz)	6005MHz

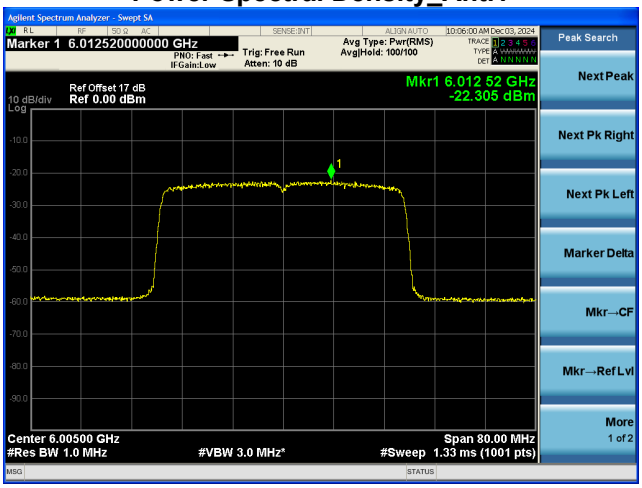
Power_Ant.1



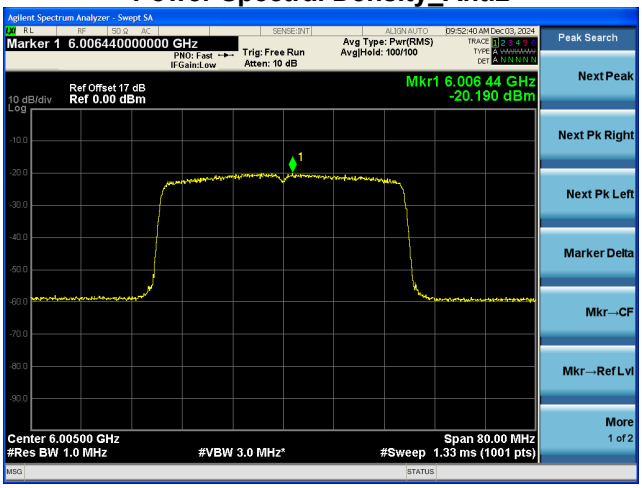
Power _Ant.2



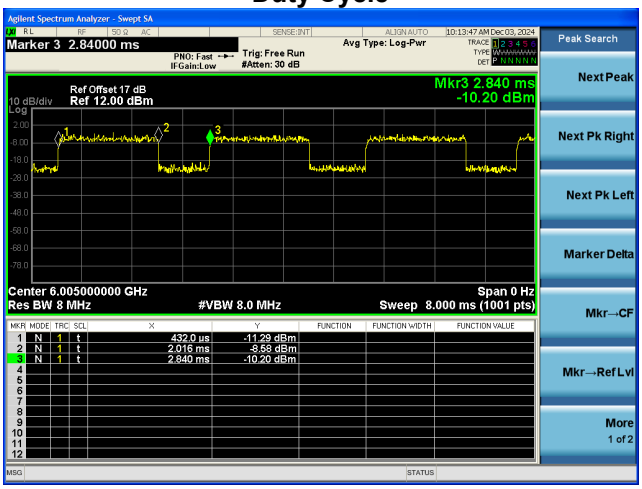
Power Spectral Density_Ant.1



Power Spectral Density_Ant.2



Duty Cycle

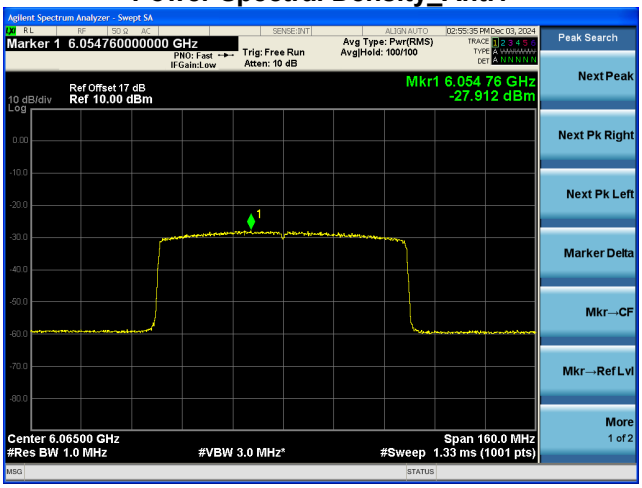


Test Mode	TX AX(HE80) Mode	Frequency(MHz)	6065MHz

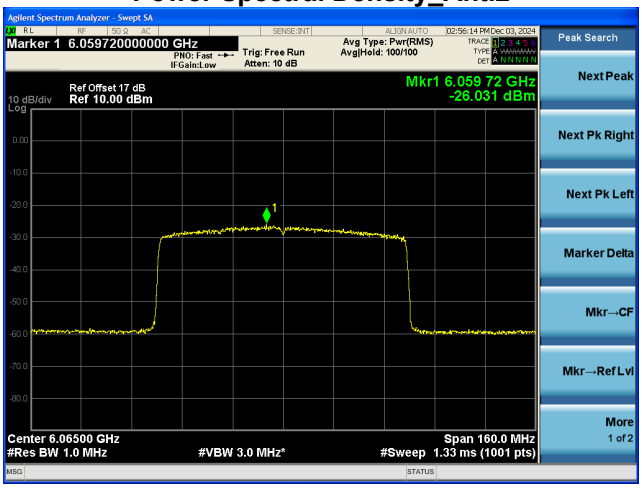
Power_Ant.1

Power _Ant.2

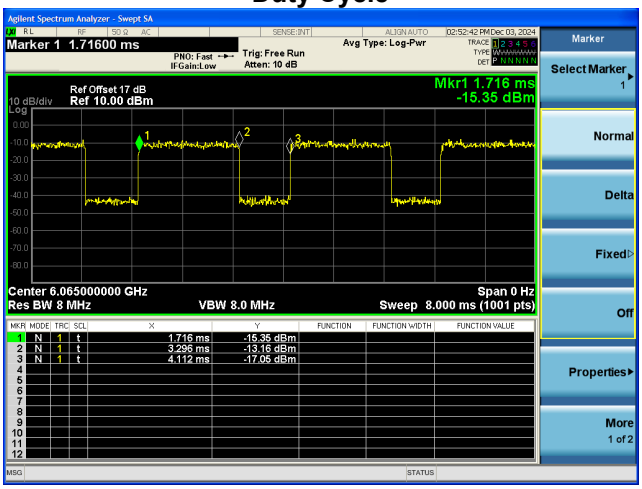
Power Spectral Density_Ant.1



Power Spectral Density_Ant.2

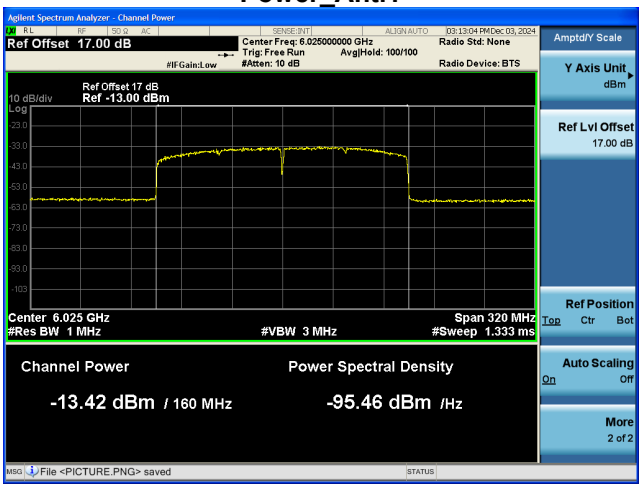


Duty Cycle

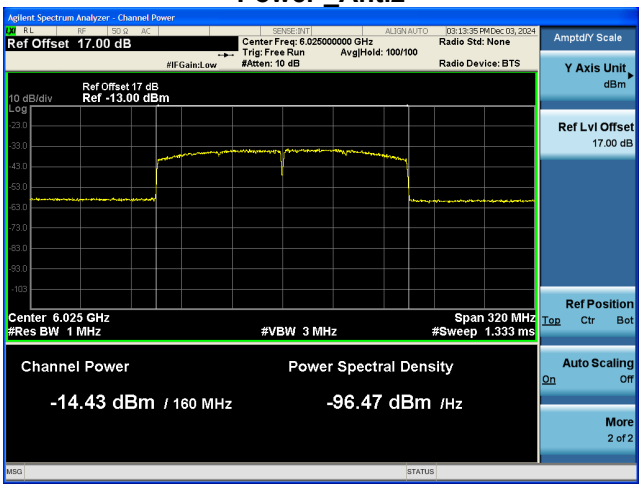


Test Mode	TX AX(HE160) Mode	Frequency(MHz)	6025MHz

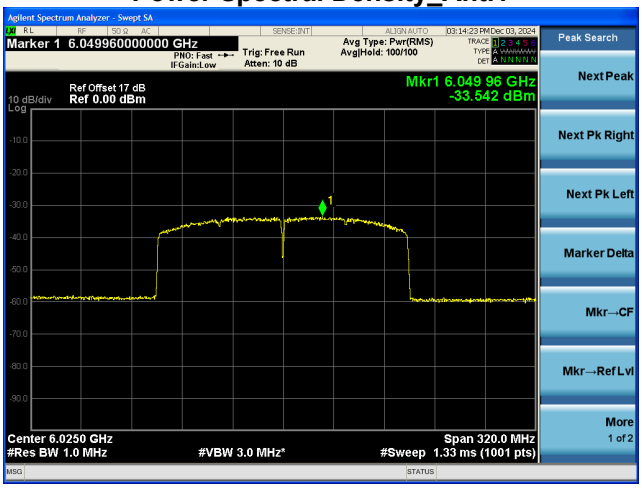
Power_Ant.1



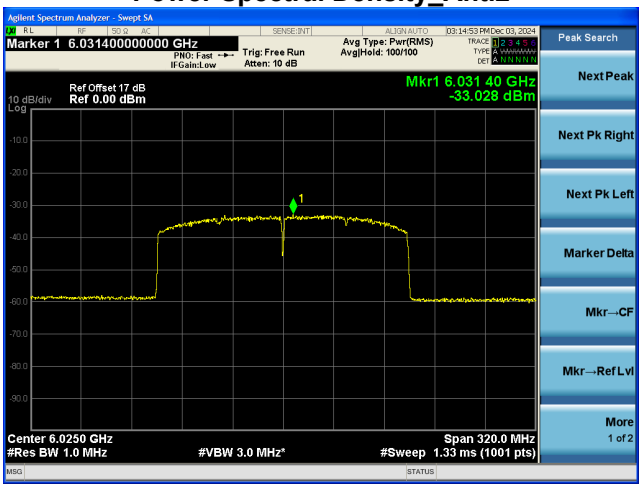
Power _Ant.2



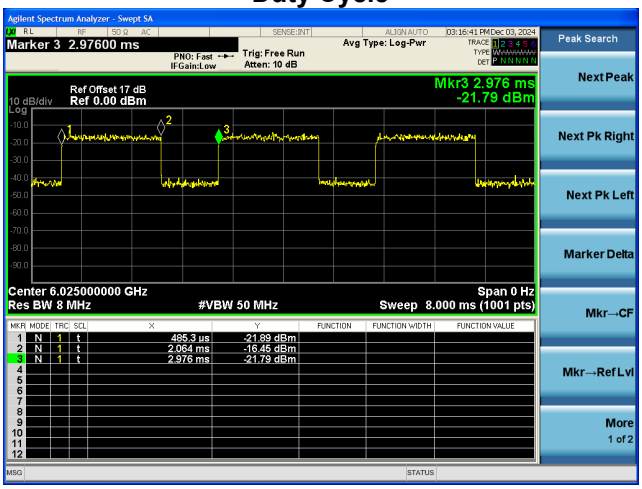
Power Spectral Density_Ant.1



Power Spectral Density_Ant.2



Duty Cycle



APPENDIX B - UNSUCCESSFUL SPECTRUM ACCESS REQUEST

Device Type:	Standard Power Access Point

FCC Requirements	TestCaseName	Test Result
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii)	CT_AFC_SP_AP_AFCDUSA32_Channel_10622_1 (Unsuccessful registration and spectrum access request)	PASS

TestCaseName: CT_AFC_SP_AP_AFCDUSA32_Channel_10622_1 (Unsuccessful registration and spectrum access request)
TestResult:PASS
Band:6GHz

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

```
############################    2024-12-06T06:01:51Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "568",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1000",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            1,
                            5
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-06T06:01:51Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [],
            "requestId": "Telrad-1000",
            "availabilityExpireTime": "2024-12-07T06:01:51Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

Device Type:	Fixed Client

FCC Requirements	TestCaseName	Test Result
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii)	CT_AFC_FC_STA_AFCDUSA32_Channel_10651_1 (Unsuccessful registration and spectrum access request)	PASS

TestCaseName: CT_AFC_FC_STA_AFCDUSA32_Channel_10651_1 (Unsuccessful registration and spectrum access request)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE	AFC DUT conforms to the conditons in the Spectrum Inquiry Response	true	PASS

```
############################     2024-11-26T12:04:30Z     ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "568",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1000",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            5,
                            9
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-11-26T12:04:30Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [],
            "requestId": "Telrad-1000",
            "availabilityExpireTime": "2024-11-27T12:04:30Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################     2024-11-26T12:04:42Z     ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "568",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1001",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            5,
                            9
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################     2024-11-26T12:04:42Z     ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [],
            "requestId": "Telrad-1001",
            "availabilityExpireTime": "2024-11-27T12:04:42Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

APPENDIX C - SUCCESSFUL SPECTRUM ACCESS UPDATE

Device Type:	Standard Power Access Point

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_Channel_10623_1 (Successful spectrum access update)	PASS

TestCaseName: CT_AFC_SP_AP_AFCDSAU33_Channel_10623_1 (Successful spectrum access update)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION_1	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (27.7 dBm EIRP) on channel 23 bandwidth 20.	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_SP_OPERATION_2	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (33.8 dBm EIRP) on channel 1 bandwidth 20.	true	PASS

```
############################    2024-12-06T06:03:07Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "568",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1000",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            1,
                            5
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-06T06:03:08Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        27.7
                    ]
                }
            ],
            "requestId": "Telrad-1000",
            "availabilityExpireTime": "2024-12-07T06:03:08Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-06T06:03:53Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "568",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1001",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            1,
                            5
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-06T06:03:53Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        27.7
                    ]
                }
            ],
            "requestId": "Telrad-1001",
            "availabilityExpireTime": "2024-12-07T06:03:53Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-06T06:04:00Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "568",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1002",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            1,
                            5
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-06T06:04:00Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        27.7
                    ]
                }
            ],
            "requestId": "Telrad-1002",
            "availabilityExpireTime": "2024-12-07T06:04:00Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-06T06:04:25Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "568",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1003",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            1,
                            5
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-06T06:04:25Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        27.7
                    ]
                }
            ],
            "requestId": "Telrad-1003",
            "availabilityExpireTime": "2024-12-07T06:04:25Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-06T06:06:44Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "568",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1000",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            1,
                            5
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-06T06:06:57Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        1,
                        5
                    ],
                    "globalOperatingClass": 131,
                    "maxEirp": [
                        33.8,
                        23.4
                    ]
                },
                {
                    "channelCfi": [
                        7
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        29.4
                    ]
                }
            ],
            "requestId": "Telrad-1000",
            "availabilityExpireTime": "2024-12-07T06:06:57Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-06T06:07:09Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "568",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1001",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            1,
                            5
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-06T06:07:09Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        1,
                        5
                    ],
                    "globalOperatingClass": 131,
                    "maxEirp": [
                        33.8,
                        23.4
                    ]
                },
                {
                    "channelCfi": [
                        7
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        29.4
                    ]
                }
            ],
            "requestId": "Telrad-1001",
            "availabilityExpireTime": "2024-12-07T06:07:09Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

Device Type:	Fixed Client

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_FC_STA_AFCDSAU33_Channel_10652_1 (Successful spectrum access update)	PASS

TestCaseName: CT_AFC_FC_STA_AFCDSAU33_Channel_10652_1 (Successful spectrum access update)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
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 (33.8 dBm EIRP) on channel 5 bandwidth 20.	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_SP_OPERATION_2	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (28.1 dBm EIRP) on channel 5 bandwidth 20.	true	PASS

```
############################     2024-11-26T12:08:26Z     ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "568",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1000",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            5,
                            9
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-11-26T12:08:26Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        5,
                        9
                    ],
                    "globalOperatingClass": 131,
                    "maxEirp": [
                        33.8,
                        23.1
                    ]
                },
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        27.1,
                        28.4
                    ]
                }
            ],
            "requestId": "Telrad-1000",
            "availabilityExpireTime": "2024-11-27T12:08:26Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-11-26T12:15:26Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "568",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1000",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            5,
                            9
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-11-26T12:15:38Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        5,
                        9
                    ],
                    "globalOperatingClass": 131,
                    "maxEirp": [
                        28.1,
                        28.6
                    ]
                },
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        28.2,
                        27.2
                    ]
                }
            ],
            "requestId": "Telrad-1000",
            "availabilityExpireTime": "2024-11-27T12:15:38Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-11-26T12:15:52Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "568",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1001",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            5,
                            9
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-11-26T12:15:52Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        5,
                        9
                    ],
                    "globalOperatingClass": 131,
                    "maxEirp": [
                        28.1,
                        28.6
                    ]
                },
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        28.2,
                        27.2
                    ]
                }
            ],
            "requestId": "Telrad-1001",
            "availabilityExpireTime": "2024-11-27T12:15:52Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

APPENDIX D - UNSUCCESSFUL SPECTRUM ACCESS UPDATE

Device Type:	Standard Power Access Point

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDUAU34_Channel_10624_1 (Unsuccessful spectrum access update)	PASS

TestCaseName: CT_AFC_SP_AP_AFCDUAU34_Channel_10624_1 (Unsuccessful spectrum access update)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (36.0 dBm EIRP) on channel 1 bandwidth 20.	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 conditons in the Spectrum Inquiry Response	true	PASS

```
############################    2024-12-06T06:09:31Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "568",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1000",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            1,
                            5
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-06T06:09:31Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        1,
                        5
                    ],
                    "globalOperatingClass": 131,
                    "maxEirp": [
                        36.0,
                        36.0
                    ]
                },
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        36.0,
                        36.0
                    ]
                }
            ],
            "requestId": "Telrad-1000",
            "availabilityExpireTime": "2024-12-07T06:09:31Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-12-06T06:12:14Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "568",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1000",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            1,
                            5
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-12-06T06:12:14Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [],
            "requestId": "Telrad-1000",
            "availabilityExpireTime": "2024-12-07T06:12:14Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

Device Type:	Fixed Client

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_FC_STA_AFCDUAU34_Channel_10653_1 (Unsuccessful spectrum access update)	PASS

TestCaseName: CT_AFC_FC_STA_AFCDUAU34_Channel_10653_1 (Unsuccessful spectrum access update)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (36.0 dBm EIRP) on channel 5 bandwidth 20.	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 conditons in the Spectrum Inquiry Response	true	PASS

```
############################    2024-11-26T12:21:04Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "568",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1000",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            5,
                            9
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-11-26T12:21:04Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        5,
                        9
                    ],
                    "globalOperatingClass": 131,
                    "maxEirp": [
                        36.0,
                        36.0
                    ]
                },
                {
                    "channelCfi": [
                        7,
                        23
                    ],
                    "globalOperatingClass": 133,
                    "maxEirp": [
                        36.0,
                        36.0
                    ]
                }
            ],
            "requestId": "Telrad-1000",
            "availabilityExpireTime": "2024-11-27T12:21:04Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-11-26T12:24:39Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "568",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1000",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            5,
                            9
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-11-26T12:24:40Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [],
            "requestId": "Telrad-1000",
            "availabilityExpireTime": "2024-11-27T12:24:39Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
############################    2024-11-26T12:24:52Z    ############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Mozilla/5.0",
        "Authorization": "Bearer test",
        "X-Forwarded-For": "10.10.128.120",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "568",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "Telrad-1001",
                "deviceDescriptor": {
                    "serialNumber": "041A04006671",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "ARA-BAXE6X"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "latitude": 10.0,
                            "longitude": 10.0
                        },
                        "majorAxis": 10,
                        "minorAxis": 10,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 10.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 10
                    },
                    "indoorDeployment": 2
                },
                "inquiredChannels": [
                    {
                        "channelCfi": [
                            5,
                            9
                        ],
                        "globalOperatingClass": 131
                    },
                    {
                        "channelCfi": [
                            7,
                            23
                        ],
                        "globalOperatingClass": 133
                    }
                ]
            }
        ]
    }
}
```

```
############################    2024-11-26T12:24:52Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [],
            "requestId": "Telrad-1001",
            "availabilityExpireTime": "2024-11-27T12:24:52Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

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_NoRootCA_10639_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_MatchSuffixSAN_10634_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1 (Unsuccessful server validation)	PASS
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_NoRootCA_10639_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_MatchSuffixSAN_10634_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_NonMatchSAN_10632_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

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

Device Type:	Fixed Client

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_NoRootCA_10668_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_TLSCipherSuiteENULL_10667_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_StapledOCSPRespExpired_10666_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_OCSPStaplingDisabled_10665_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_ServerCertRevoked_10664_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_MatchSuffixSAN_10663_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_DifferentRootCA_10662_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_NonMatchSAN_10661_1 (Unsuccessful server validation)	PASS

Test Measurements

TestCaseName: CT_AFC_ServerValidation_STA_AFCDUSV35_NoRootCA_10668_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_STA_AFCDUSV35_TLSCipherSuiteENULL_10667_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_STA_AFCDUSV35_StapledOCSPRespExpired_10666_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_STA_AFCDUSV35_OCSPStaplingDisabled_10665_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_STA_AFCDUSV35_ServerCertRevoked_10664_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_STA_AFCDUSV35_MatchSuffixSAN_10663_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_STA_AFCDUSV35_DifferentRootCA_10662_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_STA_AFCDUSV35_NonMatchSAN_10661_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