



AFC DUT TEST HARNESS REPORT

FCC ID : TOR-C460

Equipment : Wireless Access Point

Brand Name : ARISTA

Model Name : C-460E

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

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

Standard : 47 CFR FCC Part 15.407

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

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


Approved by: Jackson Tsai

Sporton International Inc. Hsinhua Laboratory
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Summary of Test Result

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

Conformity Assessment Condition:

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

Disclaimer:

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

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



1 General Description

1.1 Product Feature of Equipment Under Test

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

Note: The above information was declared by manufacturer.



1.2 Antenna Information

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

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

Note 1: The EUT has eight antennas.

For 2.4GHz function:

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

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

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

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

For 5GHz function:

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

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

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

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

For 6GHz function:

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

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

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

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

For BT function:

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

Ant. 7 could transmit/receive.



1.3 Accessories

Accessories				
Ceiling	Brand Name	ARISTA	Model Name	MNT-AP-15MM

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

1.4 Support Equipment

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



1.5 Applicable Standards

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

- ♦ 47 CFR FCC Part 15.407

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

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

1.6 Testing Location

Test Lab. : Sporton International Inc. Hsinhua Laboratory

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

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



2 Measurement Environment

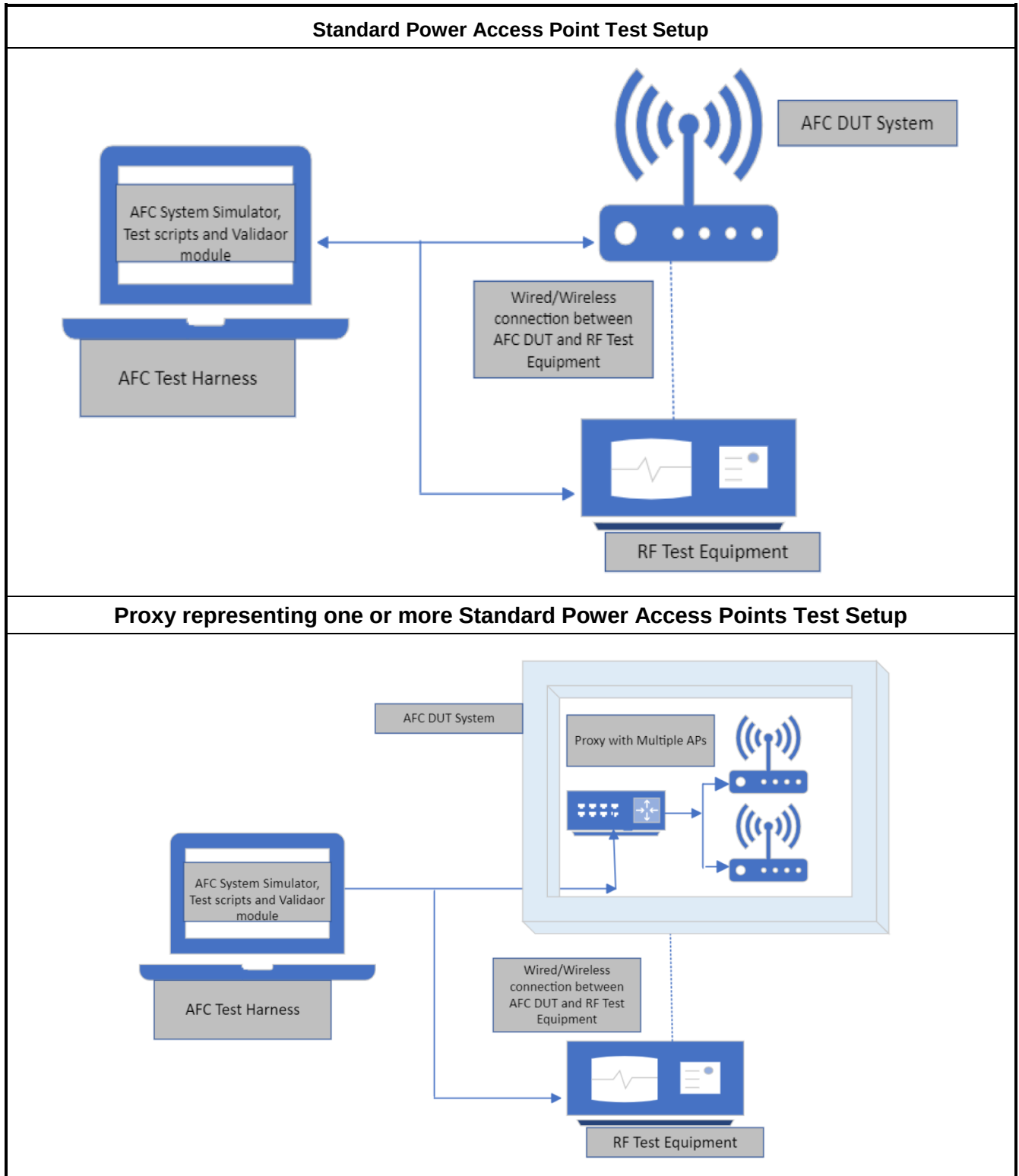
Measurement Environment Information	
AFC DUT Test Harness version	2.0.65.174

2.1 AFCD General Capabilities Declaration

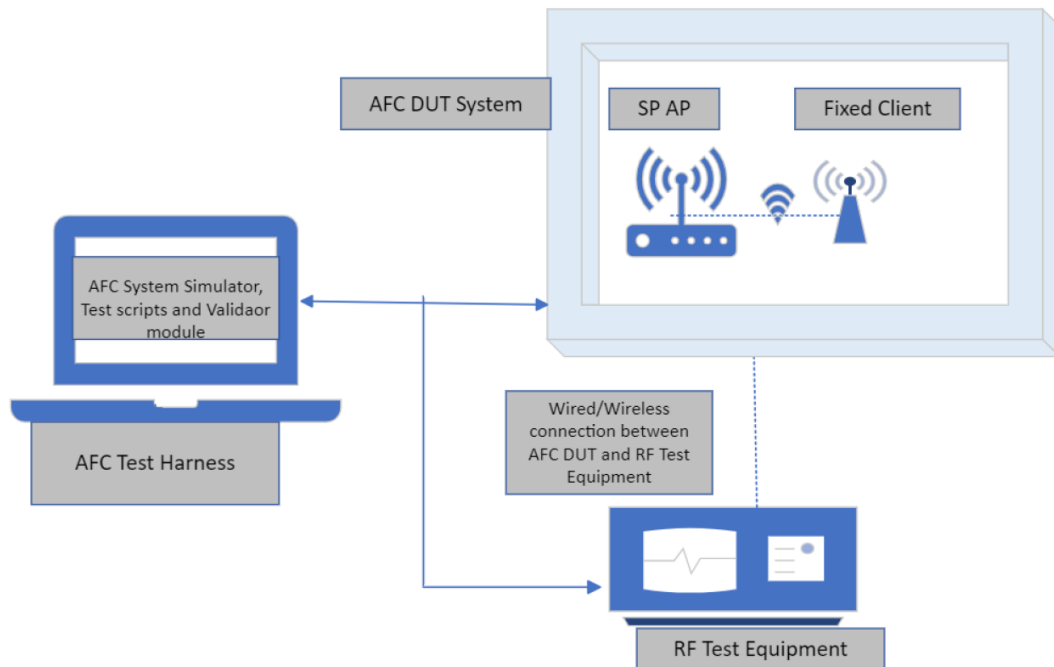
Item	Question	Vendor Response
1	AFC DUT Type	Proxy Standard Power AP
2	What is the AFC DUT supports sending an Available Spectrum Inquiry Request type?	Channel
3	Does the AFC DUT need to be supplied with BSS configuration parameters?	No
4	Does the AFC DUT manufacturer attest to AFC DUT compliance with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

Note: The above information was declared by manufacturer.

2.2 Test Configuration



Fixed Client Device Test Setup





3 Protocol Test Results

3.1 Successful Registration and Spectrum Access Request

3.1.1 Test Procedure

Step	Description
1	If the AFC DUT is Standard Power Access Point, go to Step 2, else go to Step 12
2	AFC DUT set to Initial Pre-test State. 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.
3	AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquired Frequency Range and/or the inquired Channels fields*.
4	AFC DUT Test Harness validates the presence of mandatory registration information
5	AFC DUT Test Harness sends an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or availableChannelInfo fields.
6	Throughout Step 1 to Step 4, RF Test Equipment monitors the output of the AFC DUT to confirm that the AFC DUT does not transmit: - In the band if the AFC DUT supports only SP operation Or - Above LPI limits for AFC DUT whose manufacturer attests to its compliance with rules for LPI operation Wait for 60 seconds RF Test Equipment monitors any transmission by the AFC DUT conforms to the following: - For SP only operation, AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies. - For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, AFC DUT transmit power in the band is less than CEILING [LPI limits, SP limits contained in the Available Spectrum Inquiry Response] and does not exceed emissions limits in adjacent frequencies.
7	Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request.
8	AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquiredFrequencyRange and/or the inquiredChannels fields*.
9	AFC DUT Test Harness validates the presence of mandatory registration information
10	AFC DUT Test Harness sends an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or availableChannelInfo fields which are significantly different from Step 5.
11	Wait for 5 minutes (configurable) RF Test Equipment monitors any transmission by the AFC DUT conforms to the following: - For SP only operation, AFC DUT conforms to the conditions contained in the latest Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies. - For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, AFC DUT transmit power in the band is less than CEILING [LPI limits, SP limits contained in the latest Available Spectrum Inquiry Response] and does not exceed emissions limits in adjacent frequencies.
12	If the AFC DUT is Fixed Client, go to Step 13 else Stop the test
13	The AFC DUT set to Initial Pre-test State.
14	If needed (see Table 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.
15	AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquiredFrequencyRange and/or the inquiredChannels fields*
16	AFC DUT Test Harness validates the presence of mandatory registration information
17	AFC DUT Test Harness sends an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or



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

3.1.2 Test Result

Refer as Appendix A~C



3.2 Unsuccessful Spectrum Access Request

3.2.1 Test Procedure

Step	Description
1	If the AFC DUT is Standard Power Access Point, go to Step 2, else go to Step 7
2	AFC DUT set to Initial Pre-test State. If needed (see Table 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.
3	AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquiredFrequencyRange and/or the inquiredChannels fields*.
4	AFC DUT Test Harness validates mandatory registration information.
5	AFC DUT Test Harness sends an Available Spectrum Inquiry Response indicating that no frequency ranges and/or channels are available.
6	Throughout Step 2 to Step 5 and subsequent to Step 5, RF Test Equipment monitors the output of the AFC DUT to confirm the following: • For SP only operation, AFC DUT does not transmit in the band. • For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, the AFC DUT does not transmit above LPI limits.
7	If the AFC DUT is Fixed Client, go to Step 8 else Stop the test
8	The AFC DUT set to Initial Pre-test State.
9	If needed (see Table 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.
10	AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquiredFrequencyRange and/or the inquiredChannels fields*.
11	AFC DUT Test Harness validates mandatory registration information.
12	AFC DUT Test Harness sends an Available Spectrum Inquiry Response indicating that no frequency ranges and/or channels are available using either In-band or Out-of-band methods.
13	If AFC DUT used Out-of-band method, initiate connection procedure between Fixed Client and SP Access Point by following instructions provided by the AFC DUT Vendor
13	Wait for 60 seconds RF Test Equipment monitors that the AFC DUT does not transmit above maximum transmit power limits advertised by the Standard Power Access Point for Standard Client Devices in the channel.

3.2.2 Test Result

Refer as Appendix A~C



3.3 Successful Spectrum Access Update

3.3.1 Test Procedure

Step	Description
1	If the AFC DUT is Standard Power Access Point, go to Step 2, else go to Step 12
2	AFC DUT set to Initial Pre-test State. If needed (see Table 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.
3	AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquiredFrequencyRange and/or the inquiredChannels fields*.
4	AFC DUT Harness validates mandatory registration information.
5	AFC DUT Test Harness sends an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or availableChannelInfo fields.
6	Throughout the preceding steps, RF Test Equipment monitors the output of the AFC DUT to confirm that the AFC DUT does not transmit: - In the band if the AFC DUT supports only SP operation Or - Above LPI limits for AFC DUT whose manufacturer attests to its compliance with rules for LPI operation Wait for 60 seconds RF Test Equipment monitors any transmission by the AFC DUT conforms to the following: - For SP only operation, AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies. - For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, AFC DUT transmit power in the band is less than CEILING [LPI limits, SP limits contained in the Available Spectrum Inquiry Response] and does not exceed emissions limits in adjacent frequencies.
7	AFC DUT is power cycled. If needed (see Table 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.
8	Wait for 60 seconds If the AFC DUT does not send an Available Spectrum Inquiry Request, RF Test Equipment monitors the output of the AFC DUT to verify the following and STOP the test - For SP only operation, AFC DUT does not transmit in the band. - For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, the AFC DUT does not transmit above LPI limits. If the AFC DUT sends an Available Spectrum Inquiry Request, then CONTINUE with Step 9
9	AFC DUT Test Harness evaluates validity of mandatory registration information
10	AFC DUT Test Harness waits for 60 seconds before sending an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or availableChannelInfo fields which are significantly different from Step 5. - During the 60 seconds wait time: - For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, RF Test Equipment monitors the output of the AFC DUT to confirm that AFC DUT does not transmit above LPI threshold limits - For SP only operation, RF Test Equipment monitors the output of the AFC DUT to confirm that AFC DUT doesn't transmit in the band
11	Wait for 60 seconds RF Test Equipment monitors any transmission by the AFC DUT conforms to the following: - For SP only operation, AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies. - For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, AFC DUT transmit power in the band is less than CEILING [LPI limits, SP limits contained in the Available Spectrum Inquiry Response] and does not exceed emissions limits in adjacent frequencies.
12	If the AFC DUT is Fixed Client, go to Step 13 else Stop the test



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

3.3.2 Test Result

Refer as Appendix A~C



3.4 Unsuccessful Spectrum Access Update

3.4.1 Test Procedure

Step	Description
1	If the AFC DUT is Standard Power Access Point, go to Step 2, else go to Step 12
2	AFC DUT set to Initial Pre-test State. If needed (see Table 5 declaration), configure the AFC DUT with BSS parameters per Table 9 and a temporary test regulatory identifier (e.g., FCC ID), geographic coordinates, antenna height, and uncertainty parameters. Configure the DUT with AFC System URL and server root certificate. Trigger the DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request using either In-band or Out-of-band methods.
3	AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquiredFrequencyRange and/or the inquiredChannels fields.
4	AFC DUT Test Harness validates mandatory registration information
5	AFC DUT Test Harness sends an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or availableChannelInfo fields.
6	Throughout the Step 2 to 5, RF Test Equipment monitors the output of the AFC DUT to confirm that the AFC DUT does not transmit: - In the band if the AFC DUT supports only SP operation Or - Above LPI limits for AFC DUT whose manufacturer attests to its compliance with rules for LPI operation Wait for 60 seconds RF Test Equipment monitors any transmission by the AFC DUT conforms to the following: - For SP only operation, AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies. For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, AFC DUT transmit power in the band is less than CEILING [LPI limits, SP limits contained in the Available Spectrum Inquiry Response] and does not exceed emissions limits in adjacent frequencies
7	AFC DUT is power cycled. If needed (see Table 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.
8	Wait for 60 seconds - If the AFC DUT does not send an Available Spectrum Inquiry Request, RF Test Equipment monitors the output of the DUT to verify the following and STOP the test: - For SP only operation, AFC DUT does not transmit in the band, - For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, the AFC DUT does not transmit above LPI limits. - If the AFC DUT sends an Available Spectrum Inquiry Request, then CONTINUE with Step 8
9	AFC DUT Test Harness evaluates validity of mandatory registration information.
10	AFC DUT Test Harness sends an Available Spectrum Inquiry Response indicating that no frequency ranges and/or channels are available.
11	Throughout Step 7 to 10 and subsequent to Step 10 Test Equipment monitors the output of the AFC DUT to confirm that: For SP only operation, AFC DUT does not transmit in the band. For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, the AFC DUT does not transmit above LPI limits.
12	If the AFC DUT is Fixed Client, go to Step 13 else Stop the test
13	The AFC DUT set to Initial Pre-test State.
14	If needed (see Table 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.
15	AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquiredFrequencyRange and/or the inquiredChannels fields*
16	AFC DUT Test Harness validates the presence of mandatory registration information



17	AFC DUT Test Harness sends an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or availableChannelInfo fields.
18	If AFC DUT used Out-of-band method, initiate connection procedure between AFC DUT and SP Access Point by following instructions provided by the AFC DUT Vendor
19	Wait for 60 seconds RF Test Equipment monitors any transmission by the AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies
20	AFC DUT is power cycled. If needed (see Table 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
21	Wait for 60 seconds If the AFC DUT does not send an Available Spectrum Inquiry Request, RF Test Equipment monitors that the AFC DUT does not transmit above maximum transmit power limits advertised by the Standard Power Access Point for Standard Client Devices in the channel., If the AFC DUT sends an Available Spectrum Inquiry Request, then CONTINUE with Step 22 else STOP the test
22	AFC DUT Test Harness evaluates validity of mandatory registration information.
23	AFC DUT Test Harness sends an Available Spectrum Inquiry Response indicating that no frequency ranges and/or channels are available.
24	If AFC DUT used Out-of-band method, initiate connection procedure between AFC DUT and SP Access Point by following instructions provided by the AFC DUT Vendor
25	Wait for 60 seconds RF Test Equipment monitors that the AFC DUT does not transmit above maximum transmit power limits advertised by the Standard Power Access Point for Standard Client Devices in the channel.

3.4.2 Test Result

Refer as Appendix A~C



3.5 Unsuccessful Server Validation

3.5.1 Test Procedure

Step	Description
1	The AFC DUT set to Initial Pre-test State. If needed (see Table 5 declaration), configure the AFC DUT with BSS parameters per Table 9 and a temporary test regulatory identifier (e.g., FCC ID), geographic coordinates, antenna height, and uncertainty parameters. Configure the AFC DUT Test Harness with TLS configuration that is the same as the default configuration defined in Section 2.3.1 except for the following: - Run 1: A different server certificate (and private key) with SAN domain name entry "badafc.com" (i.e. that does not match AFC system URL's domain name); signed by the same root certificate as per Section 2.3.1 - Run 2: A different server certificate (and private key) where all attributes other than Public Key are the same as the server certificate per Section 2.3.1, but the certificate is signed by a different root certificate - Run 3: A different server certificate (and private key) with SAN domain name entry "wfatestorg.org" only (i.e. SAN domain name only matches suffix of AFC server's hostname); signed by the same root certificate as per Section 2.3.1 - Run 4: A different server certificate (and private key) where all attributes other than Public Key are the same as the server certificate per Section 2.3.1 signed by the same root certificate as per Section 2.3.1, but the server certificate is revoked as indicated in stapled OCSP response - Run 5: Same configuration as per Section 2.3.1, except OCSP stapling is disabled and CRL/OCSP servers are not available - Run 6: Same configuration as per Section 2.3.1, except stapled OCSP response has expired and CRL/OCSP servers are not available - Run 7: Same configuration as per Section 2.3.1, except only the TLS cipher suite "eNULL" (no encryption) is enabled - Run 8: N/A (same configuration as per Section 2.3.1) Configure the AFC DUT with the AFC System URL and the following root certificate: - Runs 1-7: Root certificate as per Section 2.3.1 - Run 8: No root certificate Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request using either In-band or Out-of-band methods.
2	AFC DUT Test Harness waits 10 seconds, and verifies no Available Spectrum Inquiry Request is sent to it.
3	Steps 1 and 2 are repeated for each of the remaining Runs

3.5.2 Test Result

Refer as Appendix A



4 Test Equipment and Calibration Data

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



5 Measurement Uncertainty

Test Items	Uncertainty	Remark
Conducted Emission	0.66 dB	Confidence levels of 95%

AFC DUT Compliance Test Report

DUT Information

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

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	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

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 320MHz 10714 1 (Successful registration and spectrum access request)	PASS
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
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
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
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
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
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
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_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_Channel_320MHz_10714_1 (Successful registration and spectrum access request)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_SP_AP_AFCDUAU34_Channel_10624_1 (Unsuccessful spectrum access update)

TestResult:PASS

Band:6GHz

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

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

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

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

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

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

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

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

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

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_Channel_80MHz_10620_1 (Successful registration and spectrum access request)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_SP_AP_AFCRSA31_Channel_40MHz_10619_1 (Successful registration and spectrum access request)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_SP_AP_AFCRSA31_Channel_20MHz_10618_1 (Successful registration and spectrum access request)

TestResult:PASS

Band:6GHz

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

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



AFC capability - Inquired Channel

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

```

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

```

```

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

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

```

```

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

```

```

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

```

```

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

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

```



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

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

```

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

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

```

```

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

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

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

```

```

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

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

```



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

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

```

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

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

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

```

```

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

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

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

```



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

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

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

```

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

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

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

```



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

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

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

```

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

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

```

```

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

```

```

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

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

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

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```
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    "globalOperatingClass": 131,
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        69,
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        77,
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        121,
        125,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
    ],
    "channelCfi": [
```



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23,  
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55,  
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87,  
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167  
],  
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]  
},  
],  
"requestId": "1723606182-0",  
"availabilityExpireTime": "2024-08-15T02:29:00Z",  
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
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AFC capability - Inquired Channel

AFCD.RSA: Successful registration and spectrum access request

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

AFCD.SAU: Successful spectrum access update

Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Antenna Gain (dBi)	Power (dBm)	EIRP (dBm)	AFC Response Limit (dBm)	Result	PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
6775	SP	20	5.3	13.31	18.61	25.4	Pass	-0.23	5.07	N/A	Pass

AFCD.UAU: Unsuccessful spectrum access update

Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Antenna Gain (dBi)	Power (dBm)	EIRP (dBm)	AFC Response Limit (dBm)	Result	PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
6215	SP	20	5.3	13.59	18.89	36	Pass	0.02	5.32	N/A	Pass

AFC capability - Inquired Channel

CT_AFC_SP_AP_AFCRSA31_Channel_20MHz_10618_1

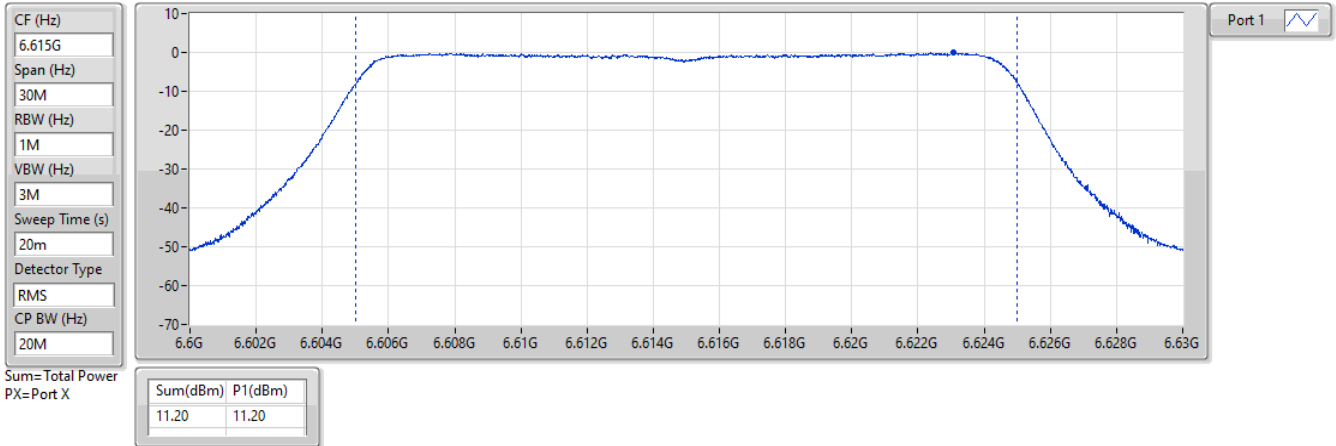
Frequency (MHz): 6615

6.525-6.875GHz_802.11be EHT20 SP_1TX

AV Power

6615MHz_TX

14/08/2024

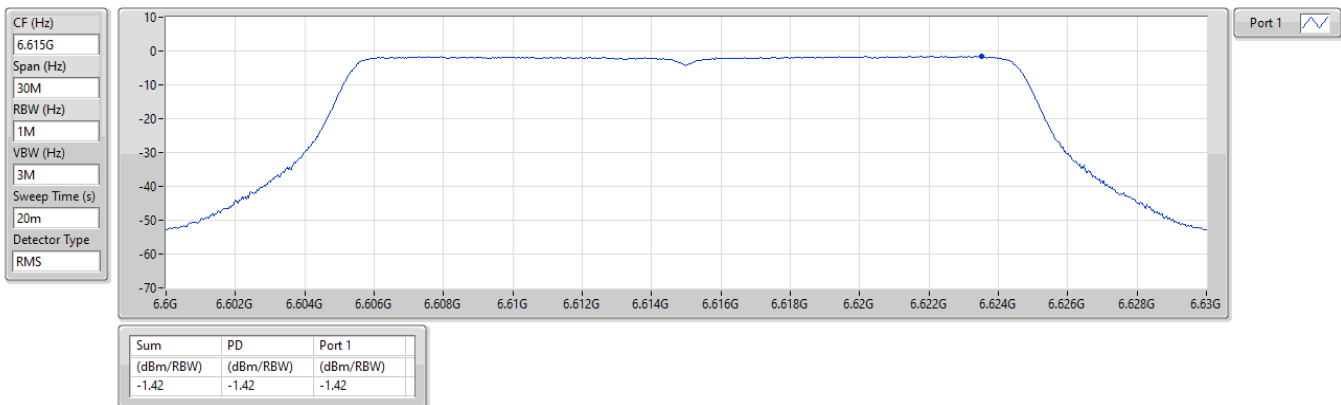


6.525-6.875GHz_802.11be EHT20 SP_1TX

PSD

6615MHz

14/08/2024



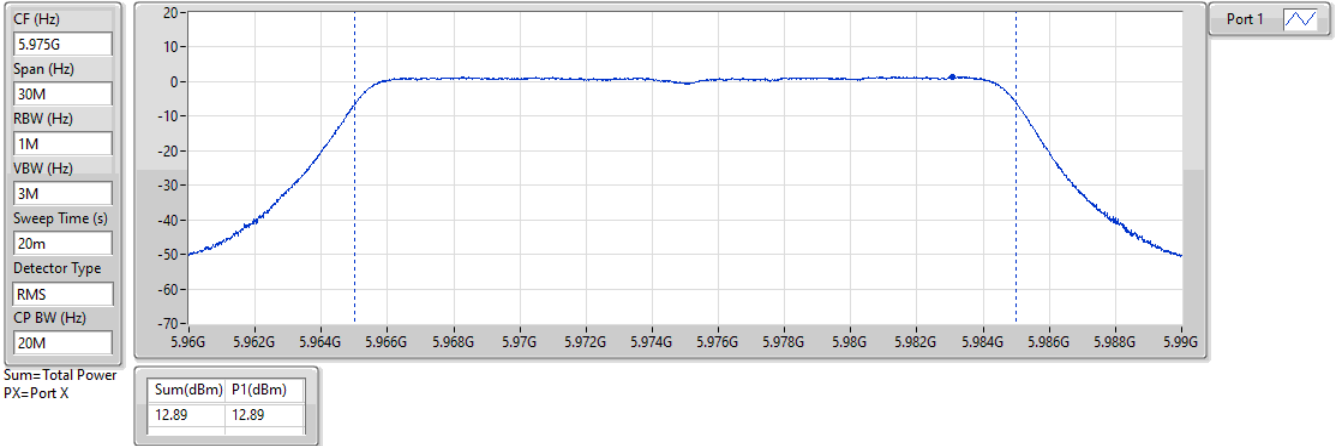
Frequency (MHz): 5975

5.925-6.425GHz_802.11be EHT20 SP_1TX

AV Power

5975MHz_TX

14/08/2024

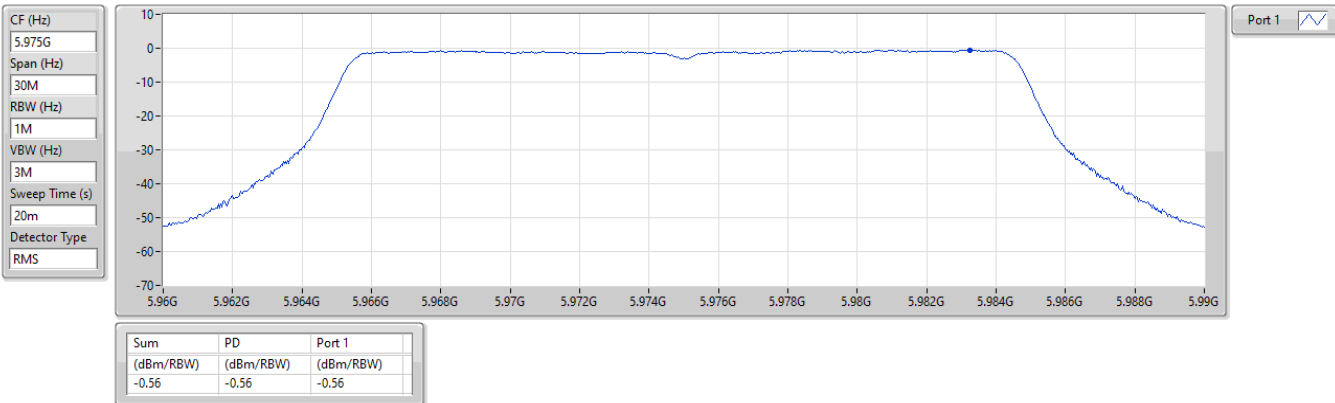


5.925-6.425GHz_802.11be EHT20 SP_1TX

PSD

5975MHz

14/08/2024



CT_AFC_SP_AP_AFCRSA31_Channel_40MHz_10619_1

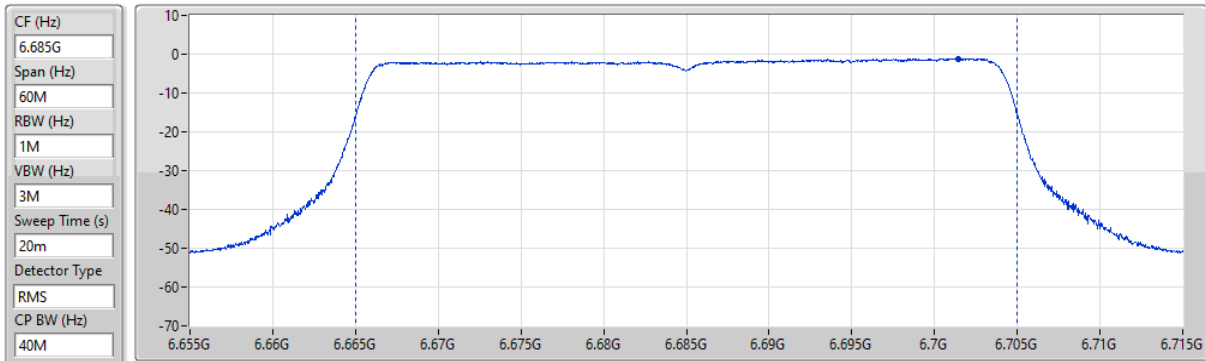
Frequency (MHz): 6685

6.525-6.875GHz_802.11be EHT40 SP_1TX

AV Power

6685MHz_TX

14/08/2024

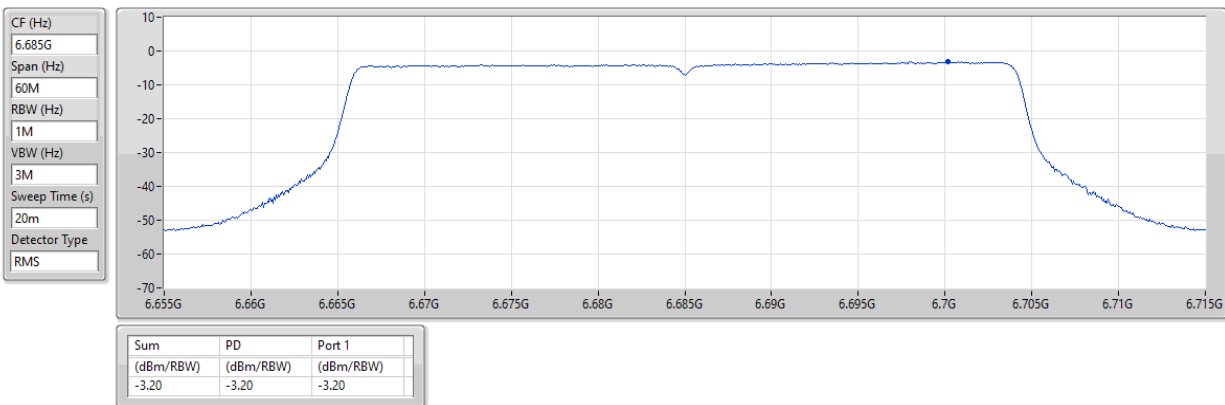


6.525-6.875GHz_802.11be EHT40 SP_1TX

PSD

6685MHz

14/08/2024



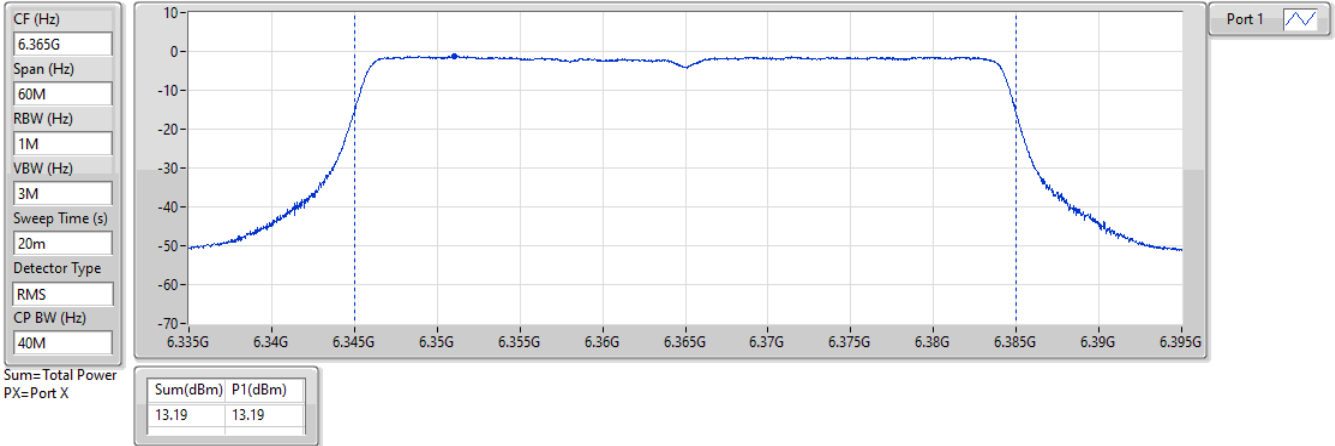
Frequency (MHz): 6365

5.925-6.425GHz_802.11be EHT40 SP_1TX

AV Power

6365MHz_TX

14/08/2024

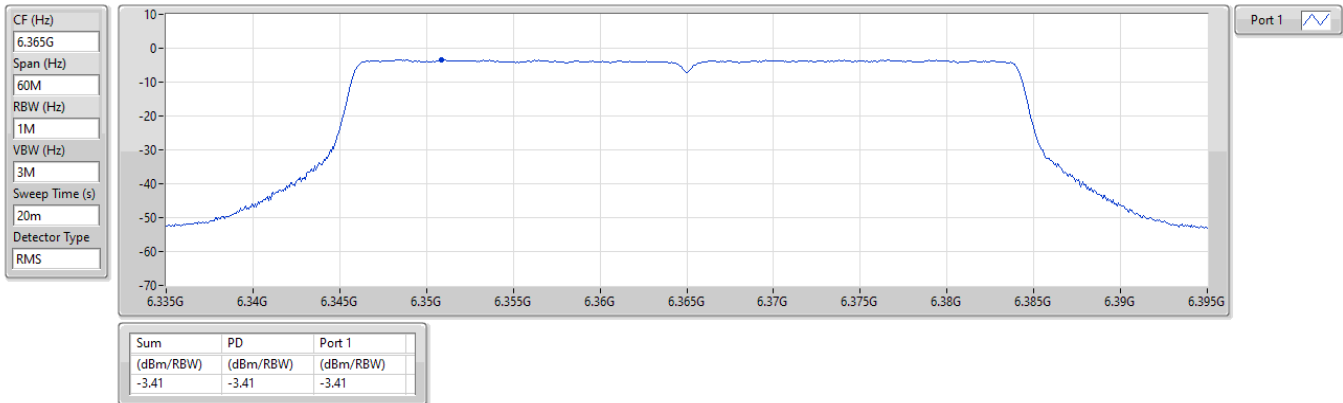


5.925-6.425GHz_802.11be EHT40 SP_1TX

PSD

6365MHz

14/08/2024



CT_AFC_SP_AP_AFCRSA31_Channel_80MHz_10620_1

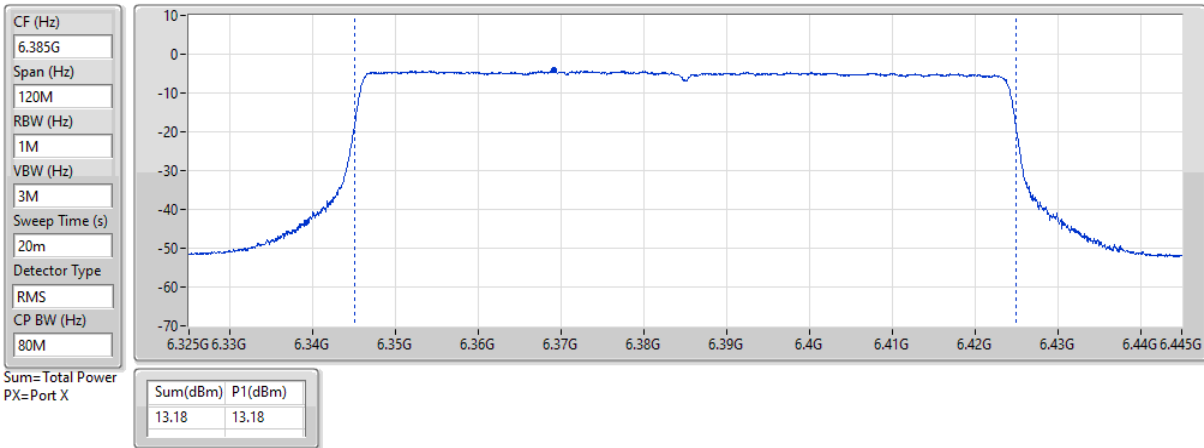
Frequency (MHz): 6385

5.925-6.425GHz_802.11be EHT80 SP_1TX

AV Power

6385MHz_TX

14/08/2024

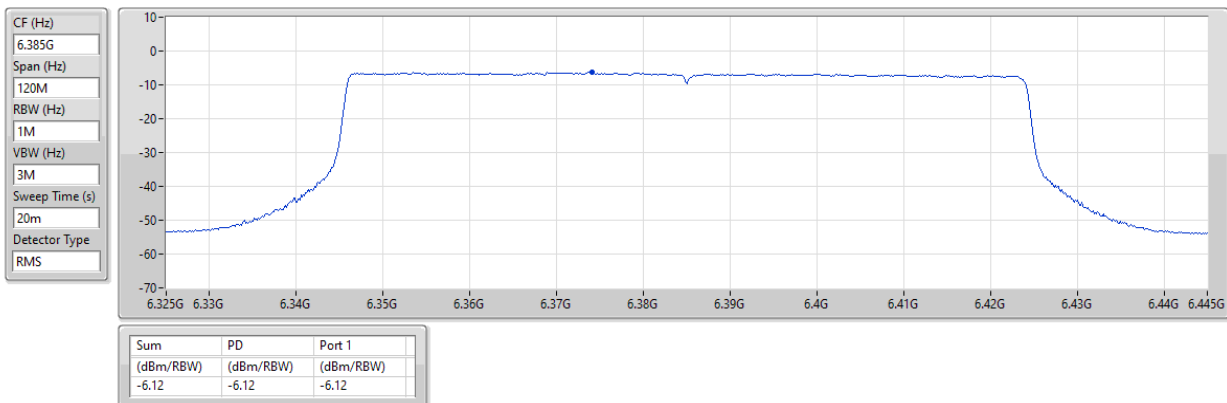


5.925-6.425GHz_802.11be EHT80 SP_1TX

PSD

6385MHz

14/08/2024



Frequency (MHz): 6625

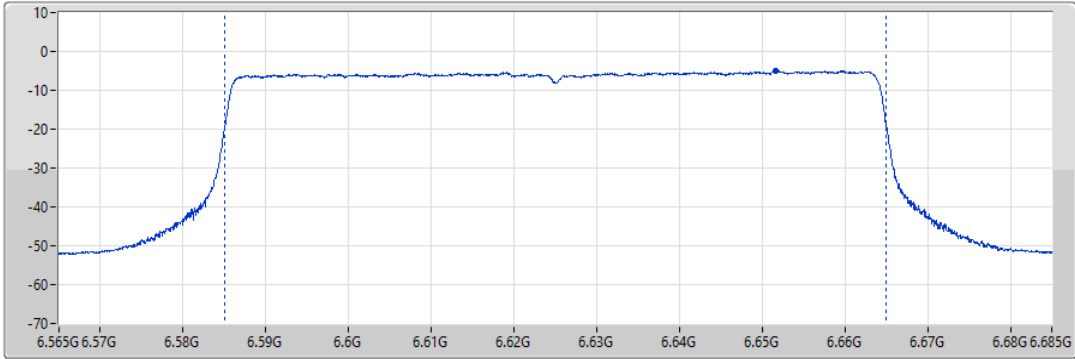
6.525-6.875GHz_802.11be EHT80 SP_1TX

AV Power

6625MHz_TX

14/08/2024

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



Port 1

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)
12.24	12.24

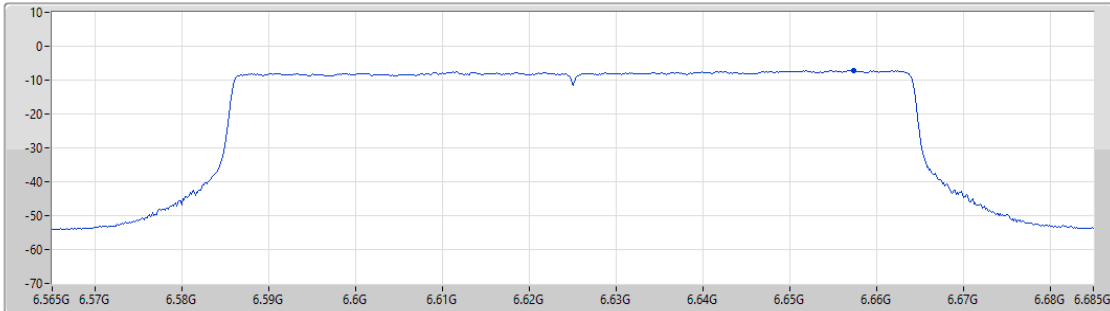
6.525-6.875GHz_802.11be EHT80 SP_1TX

PSD

6625MHz

14/08/2024

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



Port 1

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

CT_AFC_SP_AP_AFCDRSA31_Channel_160MHz_10621_1

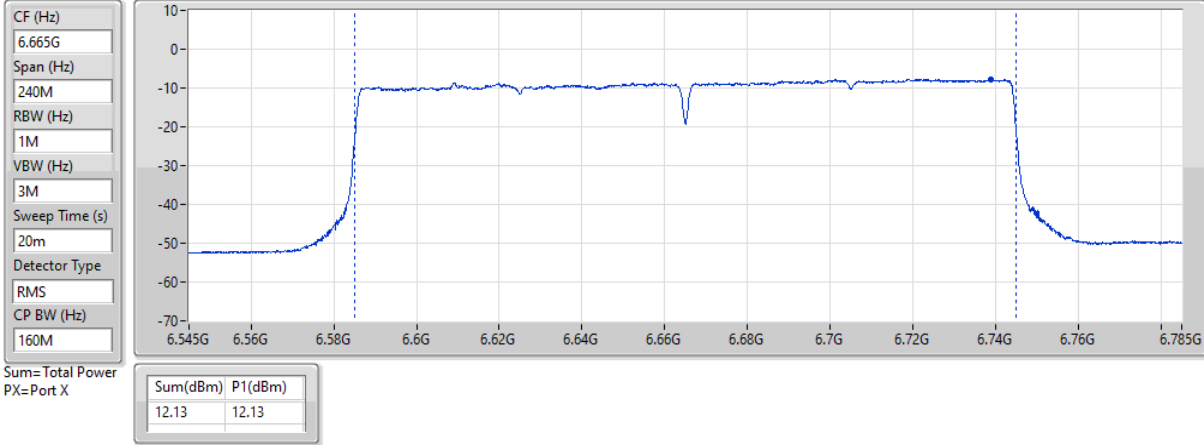
Frequency (MHz): 6665

6.525-6.875GHz_802.11be EHT160 SP_1TX

AV Power

6665MHz_TX

14/08/2024

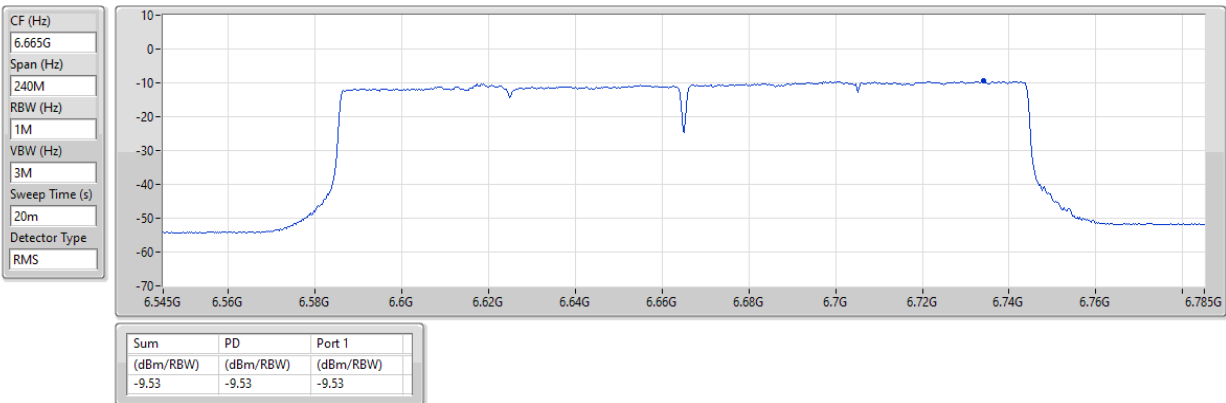


6.525-6.875GHz_802.11be EHT160 SP_1TX

PSD

6665MHz

14/08/2024



Frequency (MHz): 6345

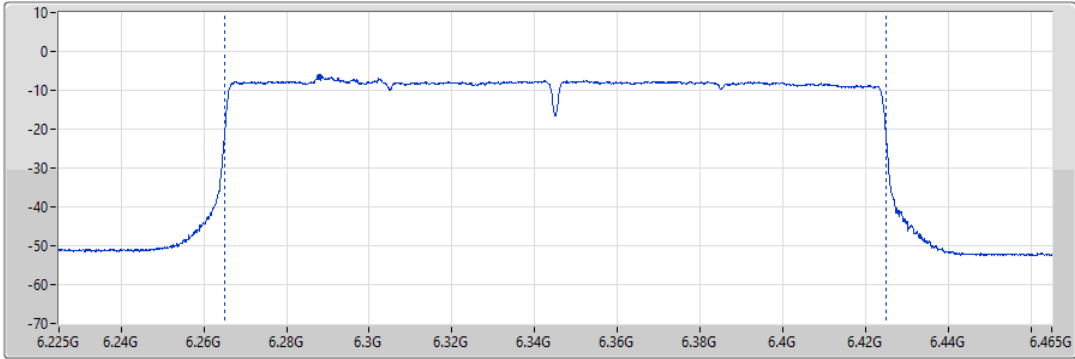
5.925-6.425GHz_802.11be EHT160 SP_1TX

AV Power

6345MHz_TX

14/08/2024

CF (Hz)
6.345G
Span (Hz)
240M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS
CP BW (Hz)
160M



Port 1

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)
13.06	13.06

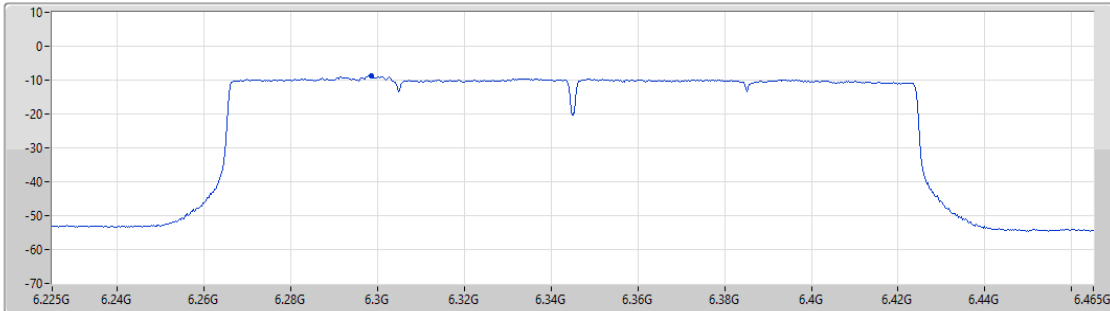
5.925-6.425GHz_802.11be EHT160 SP_1TX

PSD

6345MHz

14/08/2024

CF (Hz)
6.345G
Span (Hz)
240M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.76	-8.76	-8.76

CT_AFC_SP_AP_AFCDRSA31_Channel_320MHz_10714_1

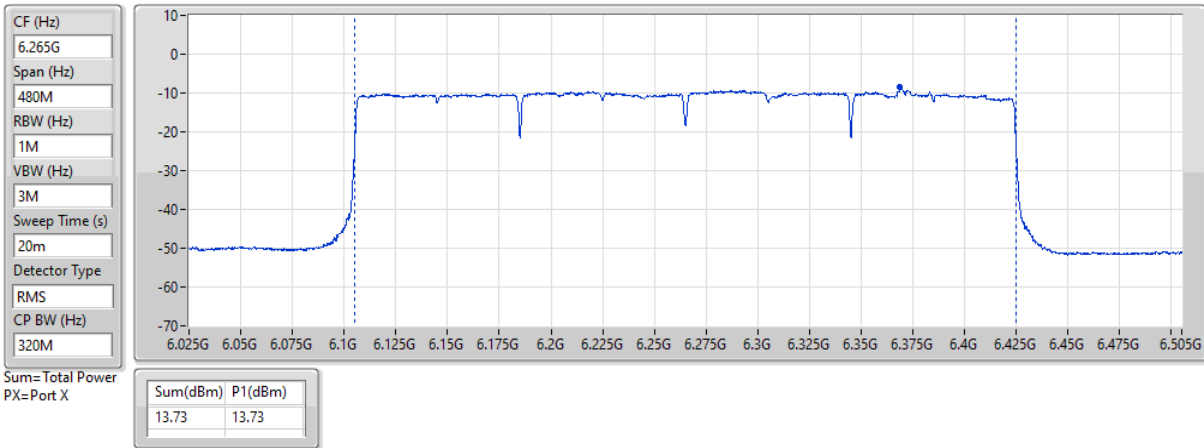
Frequency (MHz): 6265

5.925-6.425GHz_802.11be EHT320 SP_1TX

AV Power

6265MHz_TX

14/08/2024



5.925-6.425GHz_802.11be EHT320 SP_1TX

PSD

6265MHz

14/08/2024



Frequency (MHz): 6105

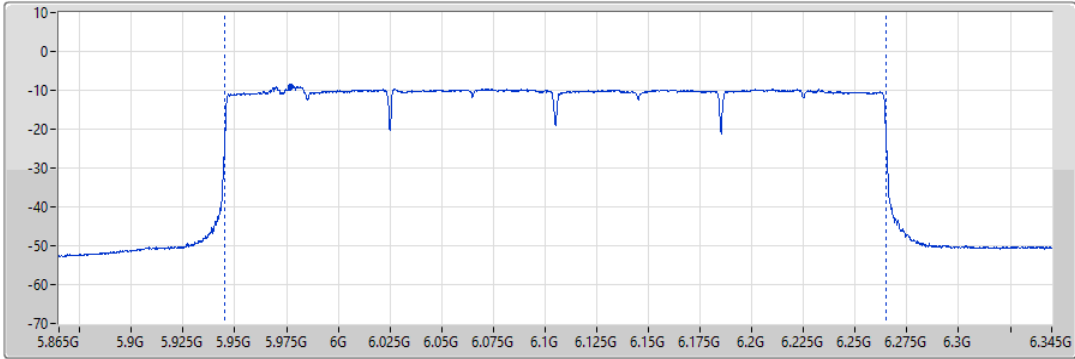
5.925-6.425GHz_802.11be EHT320 SP_1TX

AV Power

6105MHz_TX

14/08/2024

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



Port 1

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)
13.94	13.94

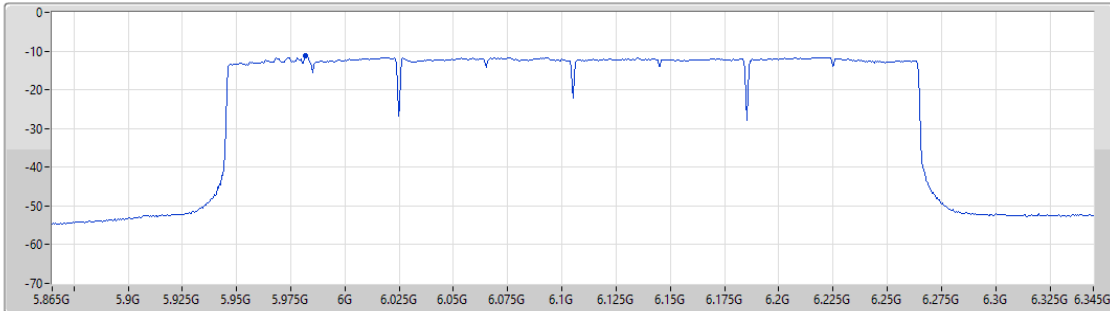
5.925-6.425GHz_802.11be EHT320 SP_1TX

PSD

6105MHz

14/08/2024

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



Port 1

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

CT_AFC_SP_AP_AFCDSAU33_Channel_10623_1

Bandwidth: 20MHz

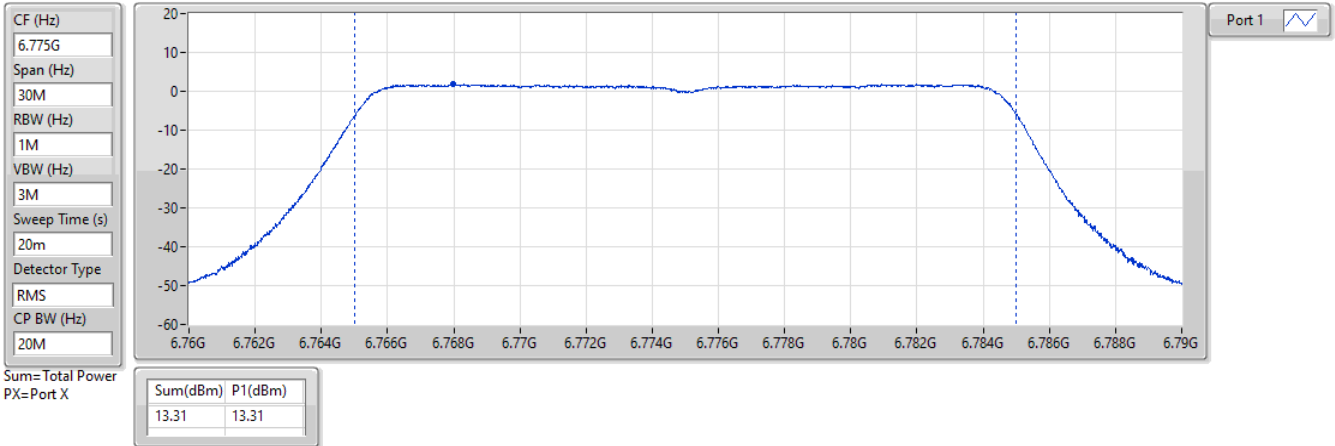
Frequency (MHz): 6775

6.525-6.875GHz_802.11be EHT20 SP_1TX

AV Power

6775MHz Straddle 6.525-6.875GHz_TX

14/08/2024

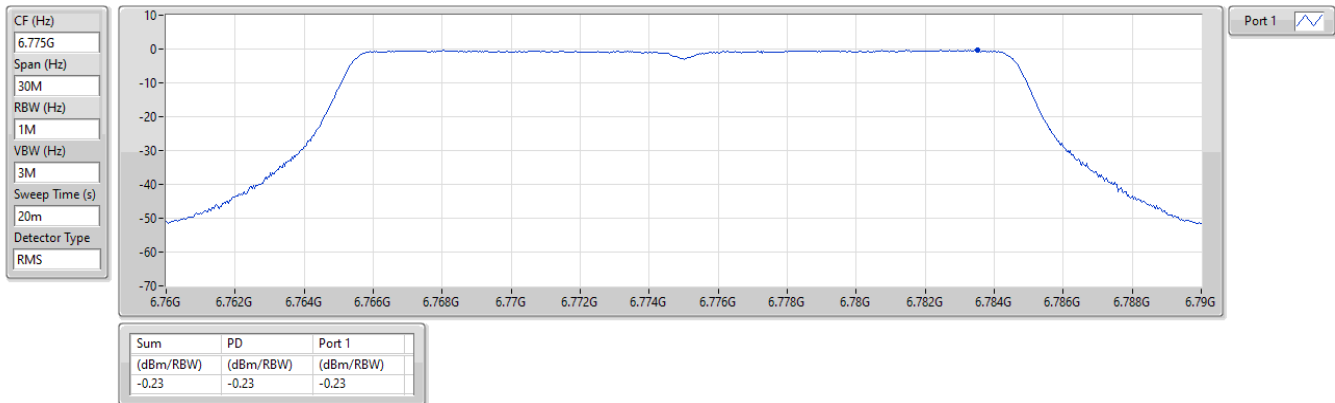


6.525-6.875GHz_802.11be EHT20 SP_1TX

PSD

6775MHz Straddle 6.525-6.875GHz

14/08/2024



CT_AFC_SP_AP_AFCDUAU34_Channel_10624_1

Bandwidth: 20MHz

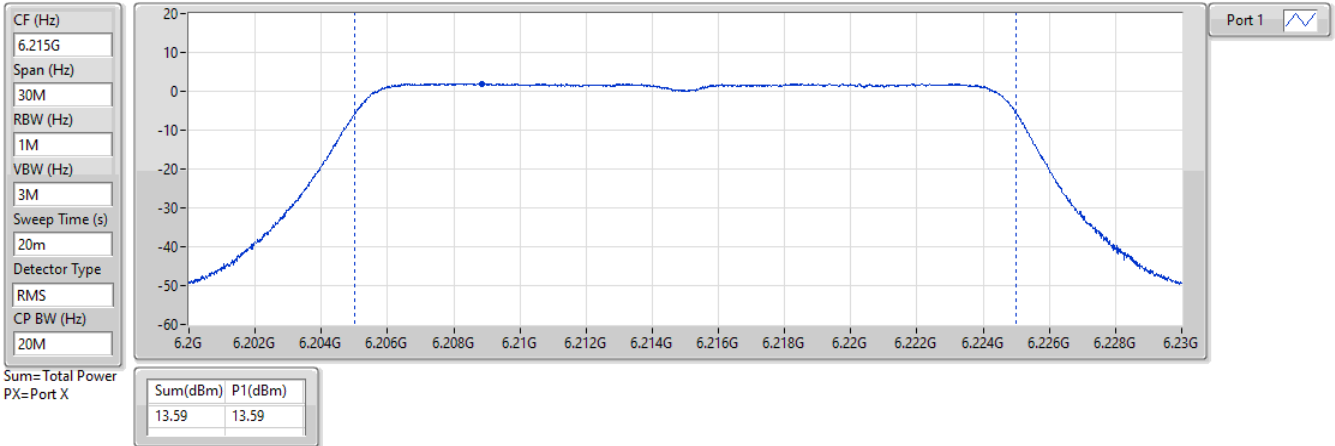
Frequency (MHz): 6215

5.925-6.425GHz_802.11be EHT20 SP_1TX

AV Power

6215MHz_TX

14/08/2024

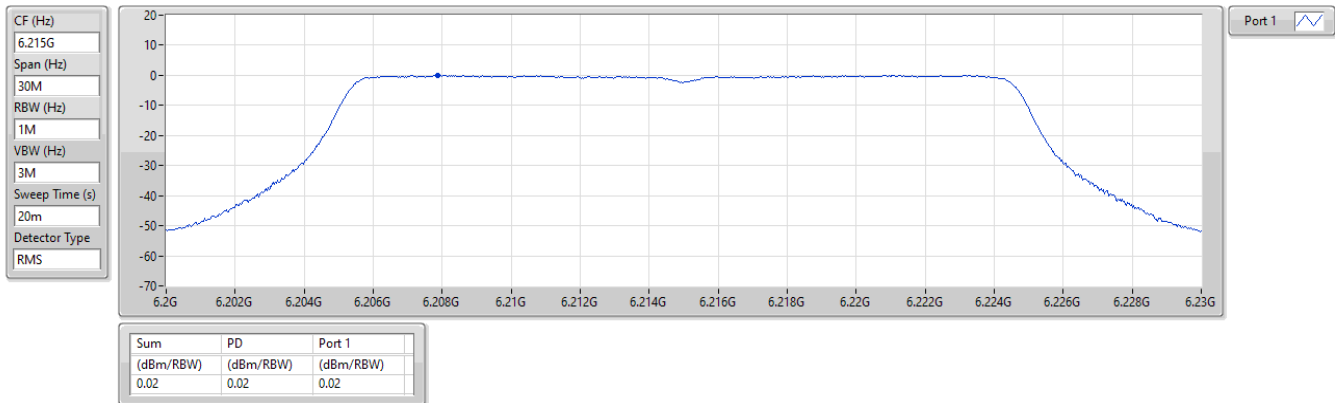


5.925-6.425GHz_802.11be EHT20 SP_1TX

PSD

6215MHz

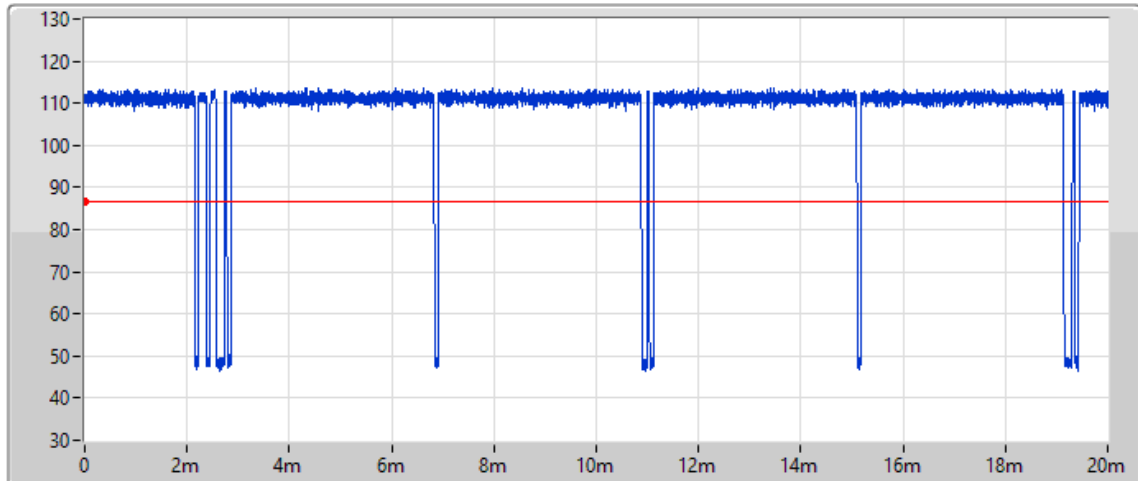
14/08/2024



Duty Cycle

Bandwidth: 20 MHz

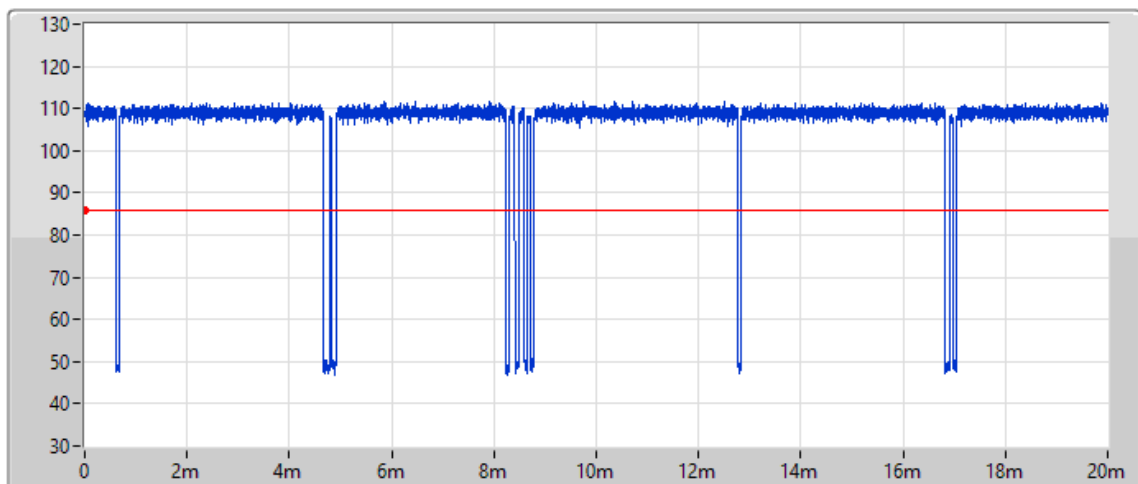
DC;be20S;BWch:20



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

Bandwidth: 40 MHz

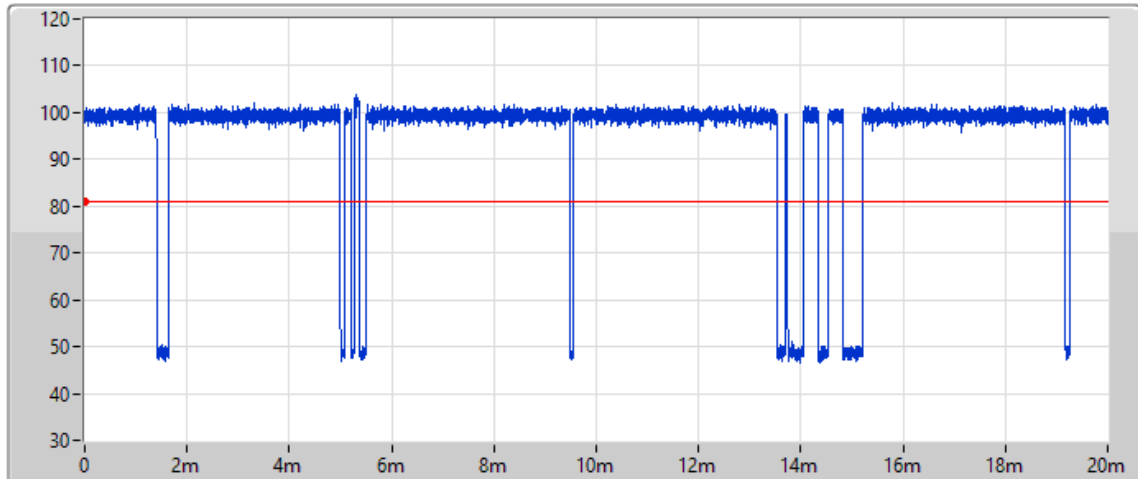
DC;be40S;BWch:40



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

Bandwidth: 80 MHz

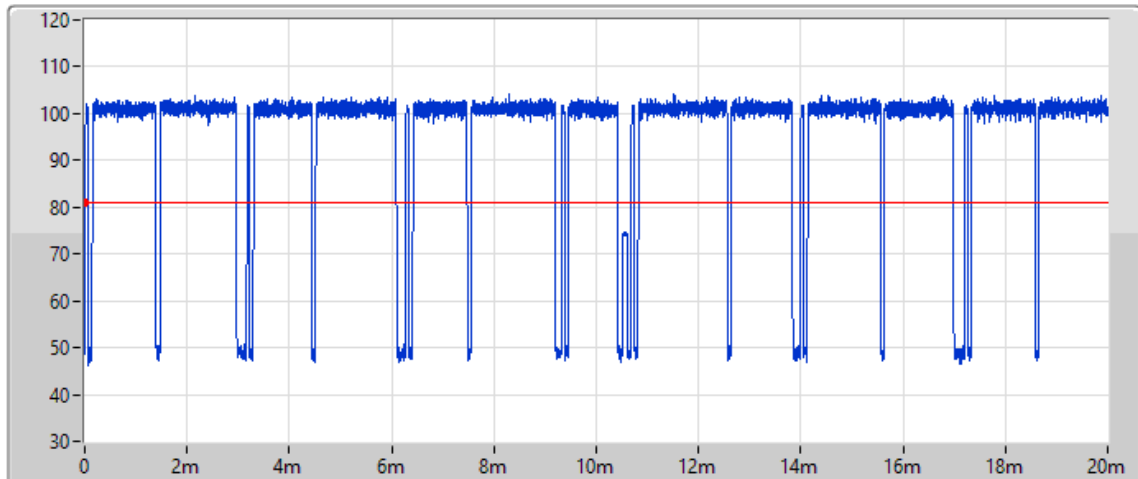
DC;be80S;BWch:80



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

Bandwidth: 160 MHz

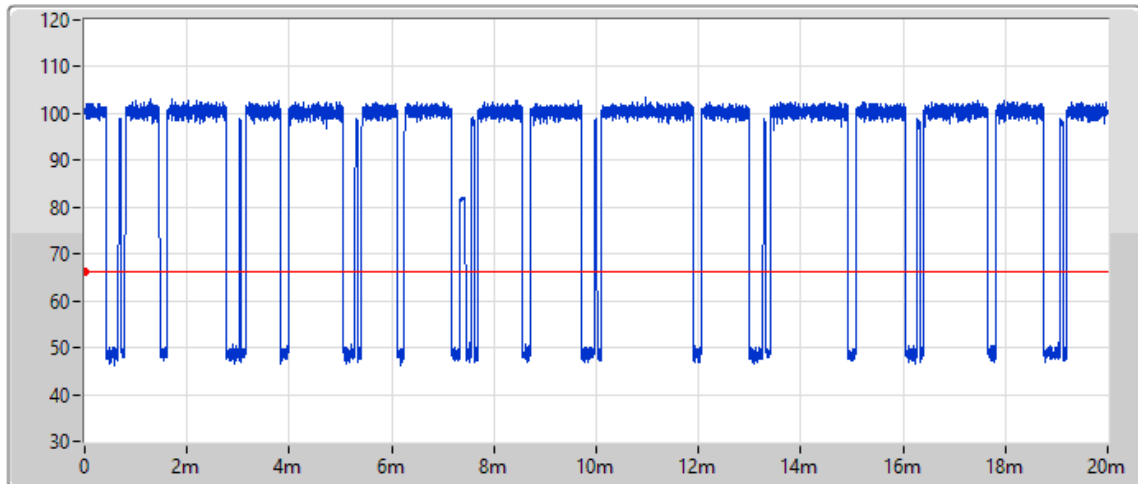
DC;be160S;BWch:160



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

Bandwidth: 320 MHz

DC;be320S;BWch:320



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

—THE END—