



AFC DUT TEST HARNESS REPORT

FCC ID : Z8H89FT0083

Equipment : 6092HH

Brand Name : Cambium Networks

Model Name : 6092HH

Applicant : Cambium Networks Inc.
3800 Golf Road, Suite 360 Rolling Meadows, IL 60008, USA

Manufacturer : Cambium Networks, Ltd.
Ashburton, TQ13 7UP, UK

Standard : 47 CFR FCC Part 15.407

The product was received on Aug. 05, 2024, and testing was started from Aug. 09, 2024 and completed on Aug. 09, 2024. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in AFC Device (AFC DUT) Compliance Test Plan Version 1.7 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)



Table of Contents

1	General Description	6
1.1	Product Feature of Equipment Under Test	6
1.2	Antenna Information	6
1.3	Table for EUT Support Function	7
1.4	Table for Permissive Change	7
1.5	Accessories	7
1.6	Support Equipment	7
1.7	Applicable Standards	7
1.8	Testing Location	8
2	Measurement Environment	9
2.1	AFCD General Capabilities Declaration	9
2.2	Test Configuration	10
3	Protocol Test Results	12
3.1	Successful Registration and Spectrum Access Request	12
3.2	Unsuccessful Spectrum Access Request	14
3.3	Successful Spectrum Access Update	15
3.4	Unsuccessful Spectrum Access Update	17
3.5	Unsuccessful Server Validation	19
4	Test Equipment and Calibration Data	20
5	Measurement Uncertainty	21

Appendix A. Tools Report

Appendix B. DUT Spectrum Inquiry Request/Response Logs

Appendix C. RF Measurement Plots

Photographs of EUT v01



TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A12_7 Ver2.0



Summary of Test Result

Report Clause	Ref Std. Clause	Test Case Name	Result (PASS/FAIL)	Remark
AFC capability - Inquired Frequency				
Test Group: Inquired Frequency - Always				
3.1	3.1.4	CT_AFC_FC_STA_AFCDRSA31_Frequency_20MHz_10640_1	PASS	-
3.1	3.1.4	CT_AFC_FC_STA_AFCDRSA31_Frequency_40MHz_10641_1	PASS	-
3.1	3.1.4	CT_AFC_FC_STA_AFCDRSA31_Frequency_80MHz_10642_1	PASS	-
-	3.1.4	CT_AFC_FC_STA_AFCDRSA31_Frequency_160MHz_10643_1	N/A	-
3.2	3.2.4	CT_AFC_FC_STA_AFCDUSA32_Frequency_10644_1	PASS	-
3.3	3.3.4	CT_AFC_FC_STA_AFCDSAU33_Frequency_10645_1	PASS	-
3.4	3.4.4	CT_AFC_FC_STA_AFCDUAU34_Frequency_10646_1	PASS	-
-	3.1.4	CT_AFC_FC_STA_AFCDRSA31_Frequency_320MHz_10716_1	N/A	-
AFC capability - Inquired Channel				
Test Group: Inquired Channel - Always				
-	3.1.4	CT_AFC_FC_STA_AFCDRSA31_Channel_20MHz_10647_1	N/A	-
-	3.1.4	CT_AFC_FC_STA_AFCDRSA31_Channel_40MHz_10648_1	N/A	-
-	3.1.4	CT_AFC_FC_STA_AFCDRSA31_Channel_80MHz_10649_1	N/A	-
-	3.1.4	CT_AFC_FC_STA_AFCDRSA31_Channel_160MHz_10650_1	N/A	-
-	3.2.4	CT_AFC_FC_STA_AFCDUSA32_Channel_10651_1	N/A	-
-	3.3.4	CT_AFC_FC_STA_AFCDSAU33_Channel_10652_1	N/A	-
-	3.4.4	CT_AFC_FC_STA_AFCDUAU34_Channel_10653_1	N/A	-
-	3.1.4	CT_AFC_FC_STA_AFCDRSA31_Channel_320MHz_10717_1	N/A	-
AFC capability - Inquired Frequency & Channel				
Test Group: Inquired Frequency and Channel - Always				
-	3.1.4	CT_AFC_FC_STA_AFCDRSA31_FrequencyChannel_20MHz_10654_1	N/A	-
-	3.1.4	CT_AFC_FC_STA_AFCDRSA31_FrequencyChannel_40MHz_10655_1	N/A	-
-	3.1.4	CT_AFC_FC_STA_AFCDRSA31_FrequencyChannel_80MHz_10656_1	N/A	-
-	3.1.4	CT_AFC_FC_STA_AFCDRSA31_FrequencyChannel_160MHz_10657_1	N/A	-
-	3.2.4	CT_AFC_FC_STA_AFCDUSA32_FrequencyChannel_10658_1	N/A	-
-	3.3.4	CT_AFC_FC_STA_AFCDSAU33_FrequencyChannel_10659_1	N/A	-
-	3.4.4	CT_AFC_FC_STA_AFCDUAU34_FrequencyChannel_10660_1	N/A	-
-	3.1.4	CT_AFC_FC_STA_AFCDRSA31_FrequencyChannel_320MHz_10718_1	N/A	-
AFC capability - Server Validation – Mandatory				
Test Group: Server Validation - Always				
3.5	3.5.4	CT_AFC_ServerValidation_STA_AFCDUSV35_NonMatchSAN_10661_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_STA_AFCDUSV35_DifferentRootCA_10662_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_STA_AFCDUSV35_MatchSuffixSAN_10663_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_STA_AFCDUSV35_ServerCertRevoked_10664_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_STA_AFCDUSV35_OCSPStaplingDisabled_10665_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_STA_AFCDUSV35_StapledOCSPRespExpired_10666_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_STA_AFCDUSV35_TLSCipherSuiteENULL_10667_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_STA_AFCDUSV35_NoRootCA_10668_1	PASS	-

**Conformity Assessment Condition:**

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/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: Sam Chen

Report Producer: Cathy Chiu



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature of Equipment Under Test	
Power Type	From PoE
EUT Type	☐ Standard Power Access Point with Proxy ☐ Standard Power Access Point without Proxy ☐ Fixed Client with Proxy ☒ Fixed Client without Proxy
Bandwidth (MHz)	5 / 10 / 15 / 20 / 30 / 40
Condition of EUT	☐ Indoor ☒ Outdoor
Professional Installation	☒ Yes ☐ No
Firmware Version	N/A
Software Version	CANOPY 24.1 (W) 08/09/2024 01:57 SM
Hardware Version	P16

Note: The above information was declared by manufacturer.

1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	Cambium	Canopy 2x2 SM Extender Dish	Dish	N/A	26
	2					

Note: The above information was declared by manufacturer.

For 5GHz function (2TX / 2RX):

Port 1~2 can be used as transmitting/receiving antenna.

Port 1~2 could transmit/receive simultaneously.

For 6GHz function (2TX / 2RX):

Port 1~2 can be used as transmitting/receiving antenna.

Port 1~2 could transmit/receive simultaneously.



1.3 Table for EUT Support Function

Function	Supports Band
AP	5GH UNII 1, 3
Slave	6GHz UNII 5, 7

Note1: For above table list, only AP mode was tested and recorded in this test.

Note2: The above information was declared by manufacturer.

1.4 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: 470407

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

Modifications	Performance Checking
1. Adding slave function (Fixed client) in 6GHz (UNII 5, UNII 7) for this device.	AFC DUT TEST HARNESS
2. Adding 5GHz (UNII 1) in the AP function for this device.	After evaluating, it does not affect the test.

1.5 Accessories

N/A

1.6 Support Equipment

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Notebook	DELL	E4300	N/A
C	Standard AP	Cambium	CanopyV AP (6084HH)	Z8H89FT0081
D	Notebook	ASUS	P2530U	N/A
E	PoE	Cambium	NET-P60-56IN	N/A
F	PoE	Cambium	NET-P60-56IN	N/A
G	GNSS Simulator	spectracom	GSG-5 Series	N/A

1.7 Applicable Standards

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

- ♦ 47 CFR FCC Part 15.407

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

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



1.8 Testing Location

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Roki Liu	23.8~24.7 / 50~52	Aug. 09, 2024



2 Measurement Environment

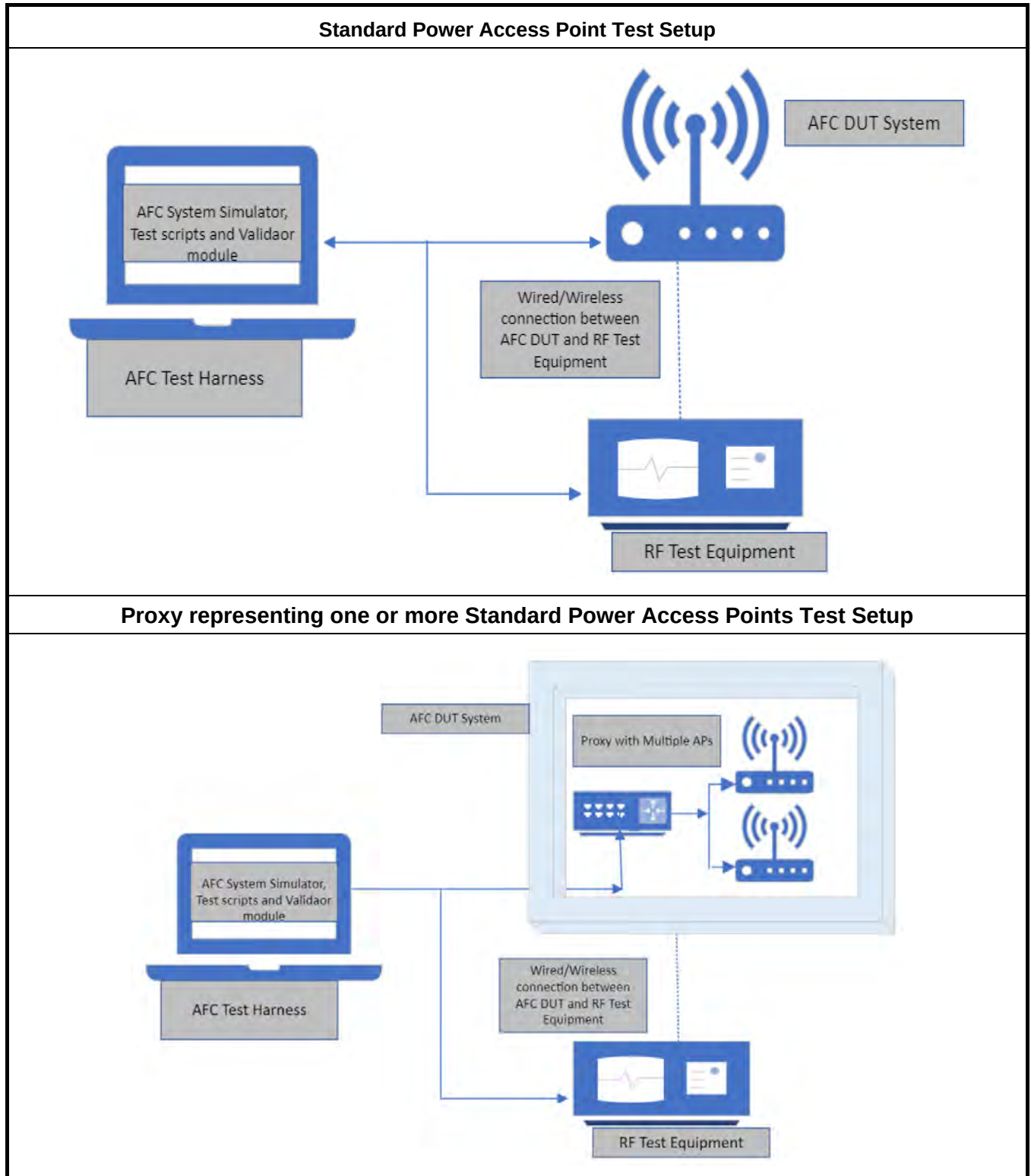
Measurement Environment Information	
AFC DUT Test Harness version	2.0.65.174

2.1 AFCD General Capabilities Declaration

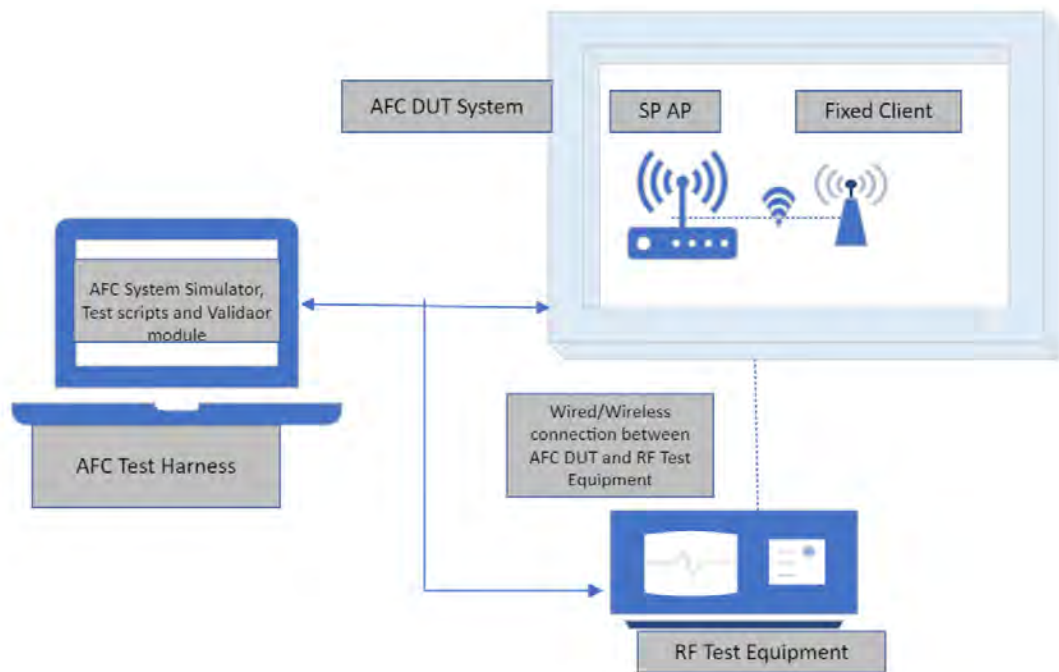
Item	Question	Vendor Response
1	AFC DUT Type	Fixed Client
2	Does the AFC DUT supports sending an Available Spectrum Inquiry Request based on the inquired Frequency Range field?	Yes
3	Does the AFC DUT supports sending an Available Spectrum Inquiry Request based on the inquired Channels fields?	No
4	If the Answer to Items 2 and 3 is "Yes", what is AFC DUT's default inquiry type?	-
5	Does the AFC DUT need to be supplied with BSS configuration parameters?	No
6	Does the AFC DUT manufacturer attest to AFC DUT compliance with rules for LPI operation?	No
7	Does the AFC DUT need to be supplied with mandatory registration information to formulate an Available Spectrum Inquiry Request	No
8	If the Answer to Item 7 is "Yes". What is the geographic Supported by the AFC DUT?	-
9	Does the AFC DUT supports 160 MHz channel width operation?	No
10	Which method does AFC DUT acting as a Fixed Client uses for sending an Available Spectrum Inquiry Request?	In-band
11	Does the AFC DUT supports 320 MHz channel width operation?	No

Note: The above information was declared by manufacturer.

2.2 Test Configuration



Fixed Client Device Test Setup





3 Protocol Test Results

3.1 Successful Registration and Spectrum Access Request

3.1.1 Test Procedure

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



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

3.1.2 Test Result

Refer as Appendix A~C



3.2 Unsuccessful Spectrum Access Request

3.2.1 Test Procedure

Step	Description
1	If the AFC DUT is Standard Power Access Point, go to Step 2, else go to Step 7
2	AFC DUT set to Initial Pre-test State. If needed (see Table 9 declaration), configure the AFC DUT with BSS parameters per Table 14 and a temporary test regulatory identifier (e.g., FCC ID), geographic coordinates, antenna height, and uncertainty parameters. Configure the AFC DUT with AFC System URL and server root certificate. Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request.
3	AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquiredFrequencyRange and/or the inquiredChannels fields*.
4	AFC DUT Test Harness validates mandatory registration information.
5	AFC DUT Test Harness sends an Available Spectrum Inquiry Response indicating that no frequency ranges and/or channels are available.
6	Throughout Step 2 to Step 5 and subsequent to Step 5, RF Test Equipment monitors the output of the AFC DUT to confirm the following: • For SP only operation, AFC DUT does not transmit in the band. • For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, the AFC DUT does not transmit above LPI limits.
7	If the AFC DUT is Fixed Client, go to Step 8 else Stop the test
8	The AFC DUT set to Initial Pre-test State.
9	If needed (see Table 9 declaration), configure the AFC DUT with a temporary test regulatory identifier (e.g., FCC ID or IC ID), geographic coordinates, antenna height, and uncertainty parameters. Configure the AFC DUT with AFC System URL and server root certificate. Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request.
10	AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquiredFrequencyRange and/or the inquiredChannels fields*.
11	AFC DUT Test Harness validates mandatory registration information.
12	AFC DUT Test Harness sends an Available Spectrum Inquiry Response indicating that no frequency ranges and/or channels are available using either In-band or Out-of-band methods.
13	If AFC DUT used Out-of-band method, initiate connection procedure between Fixed Client and SP Access Point by following instructions provided by the AFC DUT Vendor
13	Wait for 60 seconds RF Test Equipment monitors that the AFC DUT does not transmit above maximum transmit power limits advertised by the Standard Power Access Point for Standard Client Devices in the channel.

3.2.2 Test Result

Refer as Appendix A~C



3.3 Successful Spectrum Access Update

3.3.1 Test Procedure

Step	Description
1	If the AFC DUT is Standard Power Access Point, go to Step 2, else go to Step 12
2	AFC DUT set to Initial Pre-test State. If needed (see Table 9 declaration), configure the DUT with BSS parameters per Table 14 and a temporary test regulatory identifier (e.g., FCC ID), geographic coordinates, antenna height, and uncertainty parameters. Configure the AFC DUT with AFC System URL and server root certificate. Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request.
3	AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquiredFrequencyRange and/or the inquiredChannels fields*.
4	AFC DUT Harness validates mandatory registration information.
5	AFC DUT Test Harness sends an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or availableChannelInfo fields.
6	Throughout the preceding steps, RF Test Equipment monitors the output of the AFC DUT to confirm that the AFC DUT does not transmit: • In the band if the AFC DUT supports only SP operation Or • Above LPI limits for AFC DUT whose manufacturer attests to its compliance with rules for LPI operation Wait for 60 seconds RF Test Equipment monitors any transmission by the AFC DUT conforms to the following: • For SP only operation, AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies. • For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, AFC DUT transmit power in the band is less than CEILING [LPI limits, SP limits contained in the Available Spectrum Inquiry Response] and does not exceed emissions limits in adjacent frequencies.
7	AFC DUT is power cycled. If needed (see Table 9 declaration), configure the AFC DUT with a temporary test regulatory identifier (e.g., FCC ID), new geographic coordinates, antenna height, and uncertainty parameters. Configure the AFC DUT with AFC System URL and server root certificate.
8	Wait for 60 seconds If the AFC DUT does not send an Available Spectrum Inquiry Request, RF Test Equipment monitors the output of the AFC DUT to verify the following and STOP the test • For SP only operation, AFC DUT does not transmit in the band. • For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, the AFC DUT does not transmit above LPI limits. If the AFC DUT sends an Available Spectrum Inquiry Request, then CONTINUE with Step 9
9	AFC DUT Test Harness evaluates validity of mandatory registration information
10	AFC DUT Test Harness waits for 60 seconds before sending an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or availableChannelInfo fields which are significantly different from Step 5. • During the 60 seconds wait time: ▪ For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, RF Test Equipment monitors the output of the AFC DUT to confirm that AFC DUT does not transmit above LPI threshold limits ▪ For SP only operation, RF Test Equipment monitors the output of the AFC DUT to confirm that AFC DUT doesn't transmit in the band
11	Wait for 60 seconds RF Test Equipment monitors any transmission by the AFC DUT conforms to the following: • For SP only operation, AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies. • For AFC DUT whose manufacturer attests to its compliance with rules for LPI operation, AFC DUT transmit power in the band is less than CEILING [LPI limits, SP limits contained in the Available Spectrum Inquiry Response] and does not exceed emissions limits in adjacent frequencies.
12	If the AFC DUT is Fixed Client, go to Step 13 else Stop the test
13	The AFC DUT set to Initial Pre-test State.



14	If needed (see Table 9 declaration), configure the AFC DUT with a temporary test regulatory identifier (e.g., FCC ID), geographic coordinates, antenna height, and uncertainty parameters. Configure the AFC DUT with AFC System URL and server root certificate. Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request using either In-band or Out-of- band methods.
15	AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquiredFrequencyRange and/or the inquiredChannels fields*
16	AFC DUT Test Harness validates the presence of mandatory registration information
17	AFC DUT Test Harness sends an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or availableChannelInfo fields.
18	If AFC DUT used Out-of-band method, initiate connection procedure between AFC DUT and SP Access Point by following instructions provided by the AFC DUT Vendor
19	Wait for 60 seconds RF Test Equipment monitors any transmission by the AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies
20	AFC DUT is power cycled. If needed (see Table 9 declaration), configure the AFC DUT with a temporary test regulatory identifier (e.g., FCC ID), new geographic coordinates, antenna height, and uncertainty parameters. Configure the AFC DUT with AFC System URL and server root certificate
21	Wait for 60 seconds If the AFC DUT does not send an Available Spectrum Inquiry Request, RF Test Equipment monitors the output of the AFC DUT to verify the AFC DUT does not transmit above maximum transmit power limits advertised by the Standard Power Access Point for Standard Client Devices in the channel and STOP the test. If the AFC DUT sends an Available Spectrum Inquiry Request, then CONTINUE with Step 21
22	AFC DUT Test Harness evaluates validity of mandatory registration information
23	AFC DUT Test Harness waits for 60 seconds before sending an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or availableChannelInfo fields which are significantly different from step 17. During the 60 seconds wait time, RF Test Equipment monitors the output of the AFC DUT to confirm that the AFC DUT does not transmit above maximum transmit power limits advertised by the Standard Power Access Point for Standard Client Devices in the channel.
24	If AFC DUT used Out-of-band method, initiate connection procedure between AFC DUT and SP Access Point by following instructions provided by the AFC DUT Vendor
25	Wait for 60 seconds RF Test Equipment monitors any transmission by the AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies

3.3.2 Test Result

Refer as Appendix A~C



3.4 Unsuccessful Spectrum Access Update

3.4.1 Test Procedure

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



	and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or availableChannelInfo fields.
18	If AFC DUT used Out-of-band method, initiate connection procedure between AFC DUT and SP Access Point by following instructions provided by the AFC DUT Vendor
19	Wait for 60 seconds RF Test Equipment monitors any transmission by the AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies
20	AFC DUT is power cycled. If needed (see Table 9 declaration), configure the AFC DUT with a temporary test regulatory identifier (e.g., FCC ID or IC ID), new geographic coordinates, antenna height, and uncertainty parameters. Configure the AFC DUT with AFC System URL and server root certificate
21	Wait for 60 seconds If the AFC DUT does not send an Available Spectrum Inquiry Request, RF Test Equipment monitors that the AFC DUT does not transmit above maximum transmit power limits advertised by the Standard Power Access Point for Standard Client Devices in the channel., If the AFC DUT sends an Available Spectrum Inquiry Request, then CONTINUE with Step 22 else STOP the test
22	AFC DUT Test Harness evaluates validity of mandatory registration information.
23	AFC DUT Test Harness sends an Available Spectrum Inquiry Response indicating that no frequency ranges and/or channels are available.
24	If AFC DUT used Out-of-band method, initiate connection procedure between AFC DUT and SP Access Point by following instructions provided by the AFC DUT Vendor
25	Wait for 60 seconds RF Test Equipment monitors that the AFC DUT does not transmit above maximum transmit power limits advertised by the Standard Power Access Point for Standard Client Devices in the channel.

3.4.2 Test Result

Refer as Appendix A~C



3.5 Unsuccessful Server Validation

3.5.1 Test Procedure

Step	Description
1	The AFC DUT set to Initial Pre-test State. If needed (see Table 9 declaration), configure the AFC DUT with BSS parameters per Table 14 and a temporary test regulatory identifier (e.g., FCC ID), geographic coordinates, antenna height, and uncertainty parameters. Configure the AFC DUT Test Harness with TLS configuration that is the same as the default configuration defined in Section 2.3.1 except for the following: - Run 1: A different server certificate (and private key) with SAN domain name entry "badafc.com" (i.e. that does not match AFC system URL's domain name); signed by the same root certificate as per Section 2.3.1 - Run 2: A different server certificate (and private key) where all attributes other than Public Key are the same as the server certificate per Section 2.3.1, but the certificate is signed by a different root certificate - Run 3: A different server certificate (and private key) with SAN domain name entry "wfatestorg.org" only (i.e. SAN domain name only matches suffix of AFC server's hostname); signed by the same root certificate as per Section 2.3.1 - Run 4: A different server certificate (and private key) where all attributes other than Public Key are the same as the server certificate per Section 2.3.1 signed by the same root certificate as per Section 2.3.1, but the server certificate is revoked as indicated in stapled OCSP response - Run 5: Same configuration as per Section 2.3.1, except OCSP stapling is disabled and CRL/OCSP servers are not available - Run 6: Same configuration as per Section 2.3.1, except stapled OCSP response has expired and CRL/OCSP servers are not available - Run 7: Same configuration as per Section 2.3.1, except only the TLS cipher suite "eNULL" (no encryption) is enabled - Run 8: N/A (same configuration as per Section 2.3.1) Configure the AFC DUT with the AFC System URL and the following root certificate: - Runs 1-7: Root certificate as per Section 2.3.1 - Run 8: No root certificate Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request using either In-band or Out-of- band methods.
2	AFC DUT Test Harness waits 10 seconds, and verifies no Available Spectrum Inquiry Request is sent to it.
3	Steps 1 and 2 are repeated for each of the remaining Runs

3.5.2 Test Result

Refer as Appendix A



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 27, 2024	May 26, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Power Divider	MTJ	2 Way	DF01-DV03	1GHz ~ 8GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)
RF Power Divider	MTJ	2 Way	DF01-DV02	1GHz ~ 8GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)
RF Power Divider	MTJ	4 Way	DF01-DV01	1GHz ~ 6GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)
RF Power Divider	Titan	2 Way	DV-8G -09	2GHz ~ 8GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)

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



5 Measurement Uncertainty

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

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Fixed Client
DUT Vendor Name	Cambium Networks
DUT Product Model	6092HH

Test Result

FCC Requirements	Test Case Name	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_TLSCipherSuiteENTL_10667_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_StapledOCSPRespExpired_10666_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_OCSPStaplingDisabled_10665_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_ServerCertRevoked_10664_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_MatchSuffixSAN_10663_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_DifferentRootCA_10662_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_NonMatchSAN_10661_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_FC_STA_AFCDUAU34_Frequency_10646_1 (Unsuccessful spectrum access update)	PASS
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_FC_STA_AFCDUAU33_Frequency_10645_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_FC_STA_AFCDUSA32_Frequency_10644_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_FC_STA_AFCDRSA31_Frequency_80MHz_10642_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_FC_STA_AFCDRSA31_Frequency_40MHz_10641_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_FC_STA_AFCDRSA31_Frequency_20MHz_10640_1 (Successful registration and spectrum access request)	PASS

Test Measurements

Test Case Name: CT_AFC_ServerValidation_STA_AFCDUSV35_NoRootCA_10668_1 (Unsuccessful server validation)
 Test Result: 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

TestCaseName: CT_AFC_FC_STA_AFCDAU34_Frequency_10646_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 (23 dBm/MHz PSD) on channel 33 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in the Spectrum Inquiry Response	true	PASS

TestCaseName: CT_AFC_FC_STA_AFCDSAU33_Frequency_10645_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 (21.5 dBm/MHz PSD) on channel 149 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_SP_OPERATION_2	AFC DUT transmit with standard power in the band	false	PASS

	before the Spectrum Inquiry Response		
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (17.5 dBm/MHz PSD) on channel 149 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_FC_STA_AFCDUSA32_Frequency_10644_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

TestCaseName: CT_AFC_FC_STA_AFCDRSA31_Frequency_80MHz_10642_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 (11.7 dBm/MHz PSD) on channel center frequency index 39 bandwidth 80.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (9.4 dBm/MHz PSD) on channel center frequency index 135 bandwidth 80.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_FC_STA_AFCDRSA31_Frequency_40MHz_10641_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 (17.7 dBm/MHz PSD) on channel center frequency index 3 bandwidth 40.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (18.8 dBm/MHz PSD) on channel center frequency index 171 bandwidth 40.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_FC_STA_AFCDRSA31_Frequency_20MHz_10640_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 (21.6 dBm/MHz PSD) on channel 133 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (16.2 dBm/MHz PSD) on channel 21 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

AFC capability - Inquired Frequency**CT_AFC_FC_STA_AFCDRSA31_Frequency_20MHz_10640_1**

2024-08-09T06:09:02Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.2",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "613",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1293851747",
        "deviceDescriptor": {
          "serialNumber": "02:04:56:03:20:9a",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "Z8H89FT0083"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "latitude": 24.797784444444446,
              "longitude": 120.99574916666667
            },
            "majorAxis": 16,
            "minorAxis": 16,
            "orientation": 0
          }
        }
      }
    ]
  }
}
```

```
    },
    "elevation": {
      "height": 27.0,
      "heightType": "AMSL",
      "verticalUncertainty": 26
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6875
    }
  ]
}
]
```

2024-08-09T06:09:02Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },

```

```
"maxPsd": 13.3
},
{
  "frequencyRange": {
    "highFrequency": 5985,
    "lowFrequency": 5965
  },
  "maxPsd": 21.0
},
{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 12.8
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 14.2
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 17.7
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 13.7
},
```



```
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 8.9
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 8.5
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 10.1
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 13.1
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 10.7
},
{
  "frequencyRange": {
```



```
        "highFrequency": 6185,
        "lowFrequency": 6165
    },
    "maxPsd": 20.1
},
{
    "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
    },
    "maxPsd": 10.8
},
{
    "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
    },
    "maxPsd": 10.7
},
{
    "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
    },
    "maxPsd": 10.3
},
{
    "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
    },
    "maxPsd": 8.2
},
{
    "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
```

```
    },
    "maxPsd": 11.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 18.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 16.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 10.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 15.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 9.2
  }
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 21.0
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 14.5
},
{
  "frequencyRange": {
    "highFrequency": 6545,
    "lowFrequency": 6525
  },
  "maxPsd": 11.8
},
{
  "frequencyRange": {
    "highFrequency": 6565,
    "lowFrequency": 6545
  },
  "maxPsd": 18.1
},
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
  },
  "maxPsd": 13.6
},
{
```

```
"frequencyRange": {
  "highFrequency": 6605,
  "lowFrequency": 6585
},
"maxPsd": 14.0
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 21.6
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 17.0
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 15.3
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 13.8
},
{
  "frequencyRange": {
    "highFrequency": 6705,
```

```
        "lowFrequency": 6685
      },
      "maxPsd": 15.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 12.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 12.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 20.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 8.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
    },
```

```
        "maxPsd": 16.1
      },
      {
        "frequencyRange": {
          "highFrequency": 6825,
          "lowFrequency": 6805
        },
        "maxPsd": 20.7
      },
      {
        "frequencyRange": {
          "highFrequency": 6845,
          "lowFrequency": 6825
        },
        "maxPsd": 8.9
      },
      {
        "frequencyRange": {
          "highFrequency": 6865,
          "lowFrequency": 6845
        },
        "maxPsd": 16.7
      }
    ],
    "requestId": "1293851747",
    "availabilityExpireTime": "2024-08-10T06:09:02Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}
```

```
##### 2024-08-09T06:09:12Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",

```



```
"Content-Type": "application/json",
"X-Forwarded-For": "192.168.0.2",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "613",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "1293851748",
      "deviceDescriptor": {
        "serialNumber": "02:04:56:03:20:9a",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "Z8H89FT0083"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 24.797784444444446,
        "longitude": 120.99574916666667
      },
      "majorAxis": 16,
      "minorAxis": 16,
      "orientation": 0
    },
    "elevation": {
      "height": 27.0,
      "heightType": "AMSL",
      "verticalUncertainty": 26
    }
  },
  "indoorDeployment": 2
}
```

```
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5925,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6525,
        "highFrequency": 6875
      }
    ]
  }
]
}
}

##### 2024-08-09T06:09:13Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 13.3
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },

```

```
"maxPsd": 21.0
},
{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 12.8
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 14.2
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 17.7
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 13.7
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 8.9
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 8.5
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 10.1
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 13.1
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 10.7
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 20.1
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6205,
        "lowFrequency": 6185
    },
    "maxPsd": 10.8
},
{
    "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
    },
    "maxPsd": 10.7
},
{
    "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
    },
    "maxPsd": 10.3
},
{
    "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
    },
    "maxPsd": 8.2
},
{
    "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
    },
    "maxPsd": 11.0
},
{
    "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
```

```
    },
    "maxPsd": 18.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 16.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 10.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 15.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 9.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 21.0
  }
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 14.5
},
{
  "frequencyRange": {
    "highFrequency": 6545,
    "lowFrequency": 6525
  },
  "maxPsd": 11.8
},
{
  "frequencyRange": {
    "highFrequency": 6565,
    "lowFrequency": 6545
  },
  "maxPsd": 18.1
},
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
  },
  "maxPsd": 13.6
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 14.0
},
{
```



```
"frequencyRange": {
  "highFrequency": 6625,
  "lowFrequency": 6605
},
"maxPsd": 21.6
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 17.0
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 15.3
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 13.8
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 15.7
},
{
  "frequencyRange": {
    "highFrequency": 6725,
```

```
        "lowFrequency": 6705
      },
      "maxPsd": 12.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 12.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 20.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 8.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 16.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
    },
```

```
        "maxPsd": 20.7
      },
      {
        "frequencyRange": {
          "highFrequency": 6845,
          "lowFrequency": 6825
        },
        "maxPsd": 8.9
      },
      {
        "frequencyRange": {
          "highFrequency": 6865,
          "lowFrequency": 6845
        },
        "maxPsd": 16.7
      }
    ],
    "requestId": "1293851748",
    "availabilityExpireTime": "2024-08-10T06:09:12Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}
```

2024-08-09T06:13:50Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.2",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "613",
    "Connection": "Keep-Alive"
  },
}
```

```
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "1293851749",
      "deviceDescriptor": {
        "serialNumber": "02:04:56:03:20:9a",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "Z8H89FT0083"
          }
        ]
      },
      "location": {
        "ellipse": {
          "center": {
            "latitude": 24.797764444444443,
            "longitude": 120.99572444444445
          },
          "majorAxis": 16,
          "minorAxis": 16,
          "orientation": 0
        },
        "elevation": {
          "height": 19.0,
          "heightType": "AMSL",
          "verticalUncertainty": 26
        },
        "indoorDeployment": 2
      },
      "inquiredFrequencyRange": [
        {
          "lowFrequency": 5925,
          "highFrequency": 6425
        }
      ]
    }
  ]
}
```

```
        "lowFrequency": 6525,
        "highFrequency": 6875
      }
    ]
  }
]
}
```

2024-08-09T06:13:50Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 12.5
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 12.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },

```

```
"maxPsd": 21.4
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 15.7
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 19.6
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 16.2
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 18.6
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 17.4
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 10.9
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 12.6
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 20.3
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 18.6
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 18.1
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6225,
        "lowFrequency": 6205
    },
    "maxPsd": 16.3
},
{
    "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
    },
    "maxPsd": 9.6
},
{
    "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
    },
    "maxPsd": 11.8
},
{
    "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
    },
    "maxPsd": 11.3
},
{
    "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
    },
    "maxPsd": 14.5
},
{
    "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
```



```
    },
    "maxPsd": 18.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 20.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 11.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 21.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 10.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 13.0
  }
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6545,
    "lowFrequency": 6525
  },
  "maxPsd": 15.6
},
{
  "frequencyRange": {
    "highFrequency": 6565,
    "lowFrequency": 6545
  },
  "maxPsd": 21.2
},
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
  },
  "maxPsd": 9.2
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 13.0
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 17.4
},
{
```

```
"frequencyRange": {
  "highFrequency": 6645,
  "lowFrequency": 6625
},
"maxPsd": 10.3
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 18.0
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 11.4
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 8.8
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 19.3
},
{
  "frequencyRange": {
    "highFrequency": 6745,
```

```
"lowFrequency": 6725
},
"maxPsd": 20.3
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 20.0
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 18.7
},
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 20.5
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 14.9
},
{
  "frequencyRange": {
    "highFrequency": 6845,
    "lowFrequency": 6825
  },
  "maxPsd": 14.9
}
```

```
        "maxPsd": 17.4
      },
      {
        "frequencyRange": {
          "highFrequency": 6865,
          "lowFrequency": 6845
        },
        "maxPsd": 13.6
      }
    ],
    "requestId": "1293851749",
    "availabilityExpireTime": "2024-08-10T06:13:50Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}
```

CT_AFC_FC_STA_AFCRSA31_Frequency_40MHz_10641_1

2024-08-09T06:20:13Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.2",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "612",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1293851750",
        "deviceDescriptor": {
          "serialNumber": "02:04:56:03:20:9a",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "Z8H89FT0083"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "latitude": 24.79778111111111,
          "longitude": 120.99574444444444
        },
        "majorAxis": 16,
        "minorAxis": 16,
        "orientation": 0
      }
    }
  }
}
```

```
        "elevation": {
            "height": 27.0,
            "heightType": "AMSL",
            "verticalUncertainty": 26
        },
        "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
        {
            "lowFrequency": 5925,
            "highFrequency": 6425
        },
        {
            "lowFrequency": 6525,
            "highFrequency": 6875
        }
    ]
}
]
```

2024-08-09T06:20:13Z

```
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [
                {
                    "frequencyRange": {
                        "highFrequency": 5965,
                        "lowFrequency": 5945
                    },
                    "maxPsd": 19.6
                }
            ]
        }
    ]
}
```

```
},
{
  "frequencyRange": {
    "highFrequency": 5985,
    "lowFrequency": 5965
  },
  "maxPsd": 17.7
},
{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 19.6
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 8.5
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 12.2
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 9.3
},
{
```



```
"frequencyRange": {
  "highFrequency": 6085,
  "lowFrequency": 6065
},
"maxPsd": 13.3
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 13.8
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 8.7
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 21.4
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 15.0
},
{
  "frequencyRange": {
    "highFrequency": 6185,
```

```
        "lowFrequency": 6165
      },
      "maxPsd": 14.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 22.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 8.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 11.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 19.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
```

```
"maxPsd": 13.7
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 21.8
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 9.9
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 15.4
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 11.0
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 13.6
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 17.3
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 18.0
},
{
  "frequencyRange": {
    "highFrequency": 6545,
    "lowFrequency": 6525
  },
  "maxPsd": 17.1
},
{
  "frequencyRange": {
    "highFrequency": 6565,
    "lowFrequency": 6545
  },
  "maxPsd": 12.5
},
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
  },
  "maxPsd": 11.9
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6605,
        "lowFrequency": 6585
    },
    "maxPsd": 15.4
},
{
    "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
    },
    "maxPsd": 21.3
},
{
    "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
    },
    "maxPsd": 11.0
},
{
    "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
    },
    "maxPsd": 17.3
},
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 21.3
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
```

```
    },  
    "maxPsd": 18.9  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6725,  
      "lowFrequency": 6705  
    },  
    "maxPsd": 14.0  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6745,  
      "lowFrequency": 6725  
    },  
    "maxPsd": 9.3  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6765,  
      "lowFrequency": 6745  
    },  
    "maxPsd": 9.9  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6785,  
      "lowFrequency": 6765  
    },  
    "maxPsd": 17.0  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6805,  
      "lowFrequency": 6785  
    },  
    "maxPsd": 16.0
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 15.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 10.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 9.0
    }
  ],
  "requestId": "1293851750",
  "availabilityExpireTime": "2024-08-10T06:20:13Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}

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

```
##### 2024-08-09T06:28:40Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
```

```
"X-Forwarded-For": "192.168.0.2",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "613",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "1293851751",
      "deviceDescriptor": {
        "serialNumber": "02:04:56:03:20:9a",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "Z8H89FT0083"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 24.7977875,
        "longitude": 120.99575555555556
      },
      "majorAxis": 16,
      "minorAxis": 16,
      "orientation": 0
    },
    "elevation": {
      "height": 29.0,
      "heightType": "AMSL",
      "verticalUncertainty": 26
    },
    "indoorDeployment": 2
  }
},
```



```
"inquiredFrequencyRange": [  
  {  
    "lowFrequency": 5925,  
    "highFrequency": 6425  
  },  
  {  
    "lowFrequency": 6525,  
    "highFrequency": 6875  
  }  
]  
}  
]  
}  
}
```

2024-08-09T06:28:41Z

```
{  
  "availableSpectrumInquiryResponses": [  
    {  
      "response": {  
        "responseCode": 0,  
        "shortDescription": "SUCCESS"  
      },  
      "availableFrequencyInfo": [  
        {  
          "frequencyRange": {  
            "highFrequency": 5965,  
            "lowFrequency": 5945  
          },  
          "maxPsd": 16.1  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 5985,  
            "lowFrequency": 5965  
          },  
          "maxPsd": 18.4  
        }  
      ]  
    }  
  ]  
}
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 9.8
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 13.6
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 17.4
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 17.5
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 15.2
},
{
```

```
"frequencyRange": {
  "highFrequency": 6105,
  "lowFrequency": 6085
},
"maxPsd": 12.9
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 17.5
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 13.2
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 19.9
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 8.9
},
{
  "frequencyRange": {
    "highFrequency": 6205,
```

```
        "lowFrequency": 6185
      },
      "maxPsd": 13.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 12.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 15.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 11.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
      "maxPsd": 15.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
    },
```

```
"maxPsd": 9.4
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 19.1
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 12.4
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 11.6
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 14.7
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 17.9
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 13.3
},
{
  "frequencyRange": {
    "highFrequency": 6545,
    "lowFrequency": 6525
  },
  "maxPsd": 13.8
},
{
  "frequencyRange": {
    "highFrequency": 6565,
    "lowFrequency": 6545
  },
  "maxPsd": 15.2
},
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
  },
  "maxPsd": 14.4
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 18.4
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6625,
        "lowFrequency": 6605
    },
    "maxPsd": 16.6
},
{
    "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
    },
    "maxPsd": 15.4
},
{
    "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
    },
    "maxPsd": 17.6
},
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 19.3
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 8.6
},
{
    "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
```

```
    },
    "maxPsd": 8.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 11.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 15.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 9.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 18.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 21.7
  }
```



```
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 9.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 13.7
    }
  ],
  "requestId": "1293851751",
  "availabilityExpireTime": "2024-08-10T06:28:40Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

CT_AFC_FC_STA_AFCRSA31_Frequency_80MHz_10642_1

2024-08-09T08:09:13Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.2",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "613",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1448998526",
        "deviceDescriptor": {
          "serialNumber": "02:04:56:03:20:9a",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "Z8H89FT0083"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "latitude": 24.79780472222222,
          "longitude": 120.99573611111111
        },
        "majorAxis": 16,
        "minorAxis": 16,
        "orientation": 0
      }
    }
  }
}
```

```
        "elevation": {
            "height": 15.0,
            "heightType": "AMSL",
            "verticalUncertainty": 26
        },
        "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
        {
            "lowFrequency": 5925,
            "highFrequency": 6425
        },
        {
            "lowFrequency": 6525,
            "highFrequency": 6875
        }
    ]
}
]
```

2024-08-09T08:09:13Z

```
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [
                {
                    "frequencyRange": {
                        "highFrequency": 5965,
                        "lowFrequency": 5945
                    },
                    "maxPsd": 19.0
                }
            ]
        }
    ]
}
```

```
},
{
  "frequencyRange": {
    "highFrequency": 5985,
    "lowFrequency": 5965
  },
  "maxPsd": 15.3
},
{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 19.2
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 11.5
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 16.7
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 10.8
},
{
```

```
"frequencyRange": {
  "highFrequency": 6085,
  "lowFrequency": 6065
},
"maxPsd": 14.0
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 20.2
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 21.8
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 11.7
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 20.0
},
{
  "frequencyRange": {
    "highFrequency": 6185,
```

```
        "lowFrequency": 6165
      },
      "maxPsd": 19.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 12.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 21.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 9.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 18.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
```

```
"maxPsd": 18.5
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 15.4
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 19.8
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 11.9
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 9.1
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 11.7
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 13.0
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 20.5
},
{
  "frequencyRange": {
    "highFrequency": 6545,
    "lowFrequency": 6525
  },
  "maxPsd": 16.9
},
{
  "frequencyRange": {
    "highFrequency": 6565,
    "lowFrequency": 6545
  },
  "maxPsd": 18.2
},
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
  },
  "maxPsd": 17.6
},
{
  "frequencyRange": {
```



```
        "highFrequency": 6605,
        "lowFrequency": 6585
    },
    "maxPsd": 12.4
},
{
    "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
    },
    "maxPsd": 15.6
},
{
    "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
    },
    "maxPsd": 20.9
},
{
    "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
    },
    "maxPsd": 17.1
},
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 14.2
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
```

```
    },
    "maxPsd": 12.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 12.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 19.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 17.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 14.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 18.4
  }
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 15.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 11.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 15.9
    }
  ],
  "requestId": "1448998526",
  "availabilityExpireTime": "2024-08-10T08:09:13Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}

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

```
##### 2024-08-09T08:31:16Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
```

```
"X-Forwarded-For": "192.168.0.2",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "613",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "1448998527",
      "deviceDescriptor": {
        "serialNumber": "02:04:56:03:20:9a",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "Z8H89FT0083"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 24.797798611111112,
        "longitude": 120.99573944444444
      },
      "majorAxis": 16,
      "minorAxis": 16,
      "orientation": 0
    },
    "elevation": {
      "height": 20.0,
      "heightType": "AMSL",
      "verticalUncertainty": 26
    },
    "indoorDeployment": 2
  }
},
```

```
"inquiredFrequencyRange": [  
  {  
    "lowFrequency": 5925,  
    "highFrequency": 6425  
  },  
  {  
    "lowFrequency": 6525,  
    "highFrequency": 6875  
  }  
]  
}  
]  
}  
}
```

2024-08-09T08:31:16Z

```
{  
  "availableSpectrumInquiryResponses": [  
    {  
      "response": {  
        "responseCode": 0,  
        "shortDescription": "SUCCESS"  
      },  
      "availableFrequencyInfo": [  
        {  
          "frequencyRange": {  
            "highFrequency": 5965,  
            "lowFrequency": 5945  
          },  
          "maxPsd": 10.1  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 5985,  
            "lowFrequency": 5965  
          },  
          "maxPsd": 16.4  
        }  
      ]  
    }  
  ]  
}
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 18.7
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 15.3
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 13.3
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 19.8
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 15.4
},
{
```

```
"frequencyRange": {
  "highFrequency": 6105,
  "lowFrequency": 6085
},
"maxPsd": 18.1
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 9.5
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 14.4
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 19.7
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 15.2
},
{
  "frequencyRange": {
    "highFrequency": 6205,
```

```
        "lowFrequency": 6185
      },
      "maxPsd": 13.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 21.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 20.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 10.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
      "maxPsd": 15.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
    },
```



```
"maxPsd": 10.9
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 18.1
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 11.8
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 8.2
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 21.6
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 20.7
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 14.7
},
{
  "frequencyRange": {
    "highFrequency": 6545,
    "lowFrequency": 6525
  },
  "maxPsd": 13.6
},
{
  "frequencyRange": {
    "highFrequency": 6565,
    "lowFrequency": 6545
  },
  "maxPsd": 21.8
},
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
  },
  "maxPsd": 12.8
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 9.4
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6625,
        "lowFrequency": 6605
    },
    "maxPsd": 12.8
},
{
    "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
    },
    "maxPsd": 20.8
},
{
    "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
    },
    "maxPsd": 16.5
},
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 12.2
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 20.3
},
{
    "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
```

```
    },
    "maxPsd": 11.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 8.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 15.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 8.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 21.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 21.4
  }
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 15.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 9.9
    }
  ],
  "requestId": "1448998527",
  "availabilityExpireTime": "2024-08-10T08:31:16Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

CT_AFC_FC_STA_AFCDUSA32_Frequency_10644_1

2024-08-09T07:15:41Z

{

"headers": {

"Host": "testserver.wfatestorg.org",

"Accept": "*/*",

"Content-Type": "application/json",

"X-Forwarded-For": "192.168.0.2",

"X-Forwarded-Host": "testserver.wfatestorg.org",

"X-Forwarded-Server": "testserver.wfatestorg.org",

"Content-Length": "613",

"Connection": "Keep-Alive"

},

"body": {

"version": "1.4",

"availableSpectrumInquiryRequests": [

{

"requestId": "1622810048",

"deviceDescriptor": {

"serialNumber": "02:04:56:03:20:9a",

"certificationId": [

{

"rulesetId": "US_47_CFR_PART_15_SUBPART_E",

"id": "Z8H89FT0083"

}

]

},

"location": {

"ellipse": {

"center": {

"latitude": 24.797780833333334,

"longitude": 120.99573666666667

},

"majorAxis": 16,

"minorAxis": 16,

"orientation": 0

},

```
        "elevation": {
            "height": 16.0,
            "heightType": "AMSL",
            "verticalUncertainty": 26
        },
        "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
        {
            "lowFrequency": 5925,
            "highFrequency": 6425
        },
        {
            "lowFrequency": 6525,
            "highFrequency": 6875
        }
    ]
}
]
```

```
##### 2024-08-09T07:15:41Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [],
            "requestId": "1622810048",
            "availabilityExpireTime": "2024-08-10T07:15:41Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

```
}

##### 2024-08-09T07:15:51Z #####

{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.2",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "613",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1622810049",
        "deviceDescriptor": {
          "serialNumber": "02:04:56:03:20:9a",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "Z8H89FT0083"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "latitude": 24.797780833333334,
              "longitude": 120.99573666666667
            },
            "majorAxis": 16,
            "minorAxis": 16,
            "orientation": 0
          }
        }
      }
    ]
  }
}
```



```
    },
    "elevation": {
      "height": 16.0,
      "heightType": "AMSL",
      "verticalUncertainty": 26
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6875
    }
  ]
}

##### 2024-08-09T07:15:51Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "requestId": "1622810049",
      "availabilityExpireTime": "2024-08-10T07:15:51Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
}
```

```
"version": "1.4"
}

##### 2024-08-09T07:16:54Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.2",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "612",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1622810050",
        "deviceDescriptor": {
          "serialNumber": "02:04:56:03:20:9a",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "Z8H89FT0083"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "latitude": 24.79778111111111,
              "longitude": 120.99573444444444
            },
            "majorAxis": 16,
            "minorAxis": 16,

```

```
        "orientation": 0
      },
      "elevation": {
        "height": 16.0,
        "heightType": "AMSL",
        "verticalUncertainty": 26
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5925,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6525,
        "highFrequency": 6875
      }
    ]
  }
]
```

2024-08-09T07:16:54Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "requestId": "1622810050",
      "availabilityExpireTime": "2024-08-10T07:16:54Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ]
}
```

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

##### 2024-08-09T07:22:33Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.2",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "613",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1622810051",
        "deviceDescriptor": {
          "serialNumber": "02:04:56:03:20:9a",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "Z8H89FT0083"
            }
          ]
        }
      },
      {
        "location": {
          "ellipse": {
            "center": {
              "latitude": 24.797780833333334,
              "longitude": 120.99572833333333
            },
            "majorAxis": 16,
```

```
        "minorAxis": 16,
        "orientation": 0
    },
    "elevation": {
        "height": 15.0,
        "heightType": "AMSL",
        "verticalUncertainty": 26
    },
    "indoorDeployment": 2
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 6425
    },
    {
        "lowFrequency": 6525,
        "highFrequency": 6875
    }
]
}
]
```

2024-08-09T07:22:33Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "requestId": "1622810051",
      "availabilityExpireTime": "2024-08-10T07:22:33Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
```



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

CT_AFC_FC_STA_AFCDSAU33_Frequency_10645_1

2024-08-09T07:32:08Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.2",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "606",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1622810052",
        "deviceDescriptor": {
          "serialNumber": "02:04:56:03:20:9a",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "Z8H89FT0083"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "latitude": 24.797781666666666,
          "longitude": 120.9957325
        },
        "majorAxis": 16,
        "minorAxis": 16,
        "orientation": 0
      }
    }
  }
}
```

```
        "elevation": {
            "height": 16.0,
            "heightType": "AMSL",
            "verticalUncertainty": 26
        },
        "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
        {
            "lowFrequency": 5925,
            "highFrequency": 6425
        },
        {
            "lowFrequency": 6525,
            "highFrequency": 6875
        }
    ]
}
]
```

2024-08-09T07:32:08Z

```
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [
                {
                    "frequencyRange": {
                        "highFrequency": 5965,
                        "lowFrequency": 5945
                    },
                    "maxPsd": 14.9
                }
            ]
        }
    ]
}
```



```
},
{
  "frequencyRange": {
    "highFrequency": 5985,
    "lowFrequency": 5965
  },
  "maxPsd": 12.5
},
{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 11.8
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 20.5
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 12.3
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 18.0
},
{
```

```
"frequencyRange": {
  "highFrequency": 6085,
  "lowFrequency": 6065
},
"maxPsd": 18.1
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 15.6
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 15.4
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 12.7
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 21.1
},
{
  "frequencyRange": {
    "highFrequency": 6185,
```

```
        "lowFrequency": 6165
      },
      "maxPsd": 14.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 10.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 13.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 13.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 19.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
    },
```

```
"maxPsd": 10.7
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 19.0
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 12.7
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 8.1
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 12.2
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 9.7
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 12.3
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 20.8
},
{
  "frequencyRange": {
    "highFrequency": 6545,
    "lowFrequency": 6525
  },
  "maxPsd": 15.3
},
{
  "frequencyRange": {
    "highFrequency": 6565,
    "lowFrequency": 6545
  },
  "maxPsd": 17.7
},
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
  },
  "maxPsd": 15.6
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6605,
        "lowFrequency": 6585
    },
    "maxPsd": 10.3
},
{
    "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
    },
    "maxPsd": 11.3
},
{
    "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
    },
    "maxPsd": 19.1
},
{
    "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
    },
    "maxPsd": 19.3
},
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 16.2
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
```

```
    },
    "maxPsd": 21.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 21.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 18.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 13.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 13.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 14.1
  }
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 17.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 17.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 15.6
    }
  ],
  "requestId": "1622810052",
  "availabilityExpireTime": "2024-08-10T07:32:08Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}

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

```
##### 2024-08-09T07:38:56Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
```



```
"X-Forwarded-For": "192.168.0.2",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "612",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "1970386446",
      "deviceDescriptor": {
        "serialNumber": "02:04:56:03:20:9a",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "Z8H89FT0083"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 24.79778111111111,
        "longitude": 120.99573444444444
      },
      "majorAxis": 16,
      "minorAxis": 16,
      "orientation": 0
    },
    "elevation": {
      "height": 18.0,
      "heightType": "AMSL",
      "verticalUncertainty": 26
    },
    "indoorDeployment": 2
  }
},
```

```
"inquiredFrequencyRange": [  
  {  
    "lowFrequency": 5925,  
    "highFrequency": 6425  
  },  
  {  
    "lowFrequency": 6525,  
    "highFrequency": 6875  
  }  
]  
}  
]  
}  
}  
  
##### 2024-08-09T07:39:06Z #####  
{  
  "headers": {  
    "Host": "testserver.wfatestorg.org",  
    "Accept": "*/*",  
    "Content-Type": "application/json",  
    "X-Forwarded-For": "192.168.0.2",  
    "X-Forwarded-Host": "testserver.wfatestorg.org",  
    "X-Forwarded-Server": "testserver.wfatestorg.org",  
    "Content-Length": "613",  
    "Connection": "Keep-Alive"  
  },  
  "body": {  
    "version": "1.4",  
    "availableSpectrumInquiryRequests": [  
      {  
        "requestId": "1970386447",  
        "deviceDescriptor": {  
          "serialNumber": "02:04:56:03:20:9a",  
          "certificationId": [  
            {  
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
```

```
        "id": "Z8H89FT0083"
      }
    ]
  },
  "location": {
    "ellipse": {
      "center": {
        "latitude": 24.797781666666666,
        "longitude": 120.99573638888889
      },
      "majorAxis": 16,
      "minorAxis": 16,
      "orientation": 0
    },
    "elevation": {
      "height": 19.0,
      "heightType": "AMSL",
      "verticalUncertainty": 26
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6875
    }
  ]
}
]
```

2024-08-09T07:40:56Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.2",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "613",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1970386448",
        "deviceDescriptor": {
          "serialNumber": "02:04:56:03:20:9a",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "Z8H89FT0083"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "latitude": 24.797779444444444,
          "longitude": 120.99572277777777
        },
        "majorAxis": 16,
        "minorAxis": 16,
        "orientation": 0
      },
      "elevation": {
        "height": 13.0,
```

```
        "heightType": "AMSL",
        "verticalUncertainty": 26
    },
    "indoorDeployment": 2
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 6425
    },
    {
        "lowFrequency": 6525,
        "highFrequency": 6875
    }
]
}
]
```

2024-08-09T07:42:57Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.2",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "613",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1970386449",
```

```
"deviceDescriptor": {
  "serialNumber": "02:04:56:03:20:9a",
  "certificationId": [
    {
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
      "id": "Z8H89FT0083"
    }
  ]
},
"location": {
  "ellipse": {
    "center": {
      "latitude": 24.797779444444444,
      "longitude": 120.99572111111111
    },
    "majorAxis": 16,
    "minorAxis": 16,
    "orientation": 0
  },
  "elevation": {
    "height": 12.0,
    "heightType": "AMSL",
    "verticalUncertainty": 26
  },
  "indoorDeployment": 2
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5925,
    "highFrequency": 6425
  },
  {
    "lowFrequency": 6525,
    "highFrequency": 6875
  }
]
}
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]
}
}

##### 2024-08-09T07:43:26Z #####
{
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        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
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          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
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          "maxPsd": 11.8
        },
        {
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            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 18.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
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          "maxPsd": 17.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
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"lowFrequency": 6005
},
"maxPsd": 10.7
},
{
  "frequencyRange": {
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    "lowFrequency": 6025
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  "maxPsd": 11.5
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 9.6
},
{
  "frequencyRange": {
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    "lowFrequency": 6065
  },
  "maxPsd": 12.3
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 9.1
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 9.1
}
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"maxPsd": 9.7
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{
  "frequencyRange": {
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  },
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{
  "frequencyRange": {
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    "lowFrequency": 6145
  },
  "maxPsd": 19.0
},
{
  "frequencyRange": {
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    "lowFrequency": 6165
  },
  "maxPsd": 12.0
},
{
  "frequencyRange": {
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    "lowFrequency": 6185
  },
  "maxPsd": 9.5
},
{
  "frequencyRange": {
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    "lowFrequency": 6205
  },
  "maxPsd": 9.5
},
```

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{
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    "lowFrequency": 6245
  },
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    "lowFrequency": 6265
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},
{
  "frequencyRange": {
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        "lowFrequency": 6405
    },
    "maxPsd": 17.2
},
{
    "frequencyRange": {
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        "lowFrequency": 6525
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    },
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    },
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  {
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      "lowFrequency": 6565
    },
    "maxPsd": 11.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 17.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 12.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 12.9
  }
```

```
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    "lowFrequency": 6645
  },
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},
{
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    "lowFrequency": 6665
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  "maxPsd": 19.5
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  "frequencyRange": {
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    "lowFrequency": 6685
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  "maxPsd": 17.5
},
{
  "frequencyRange": {
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    "lowFrequency": 6705
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  "maxPsd": 17.9
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{
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},
{
  "frequencyRange": {
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    "lowFrequency": 6805
  },
  "maxPsd": 18.3
},
{
  "frequencyRange": {
    "highFrequency": 6845,
    "lowFrequency": 6825
  },
  "maxPsd": 21.0
},
{
  "frequencyRange": {
    "highFrequency": 6865,
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```
        "lowFrequency": 6845
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      "maxPsd": 21.4
    }
  ],
  "requestId": "1970386447",
  "availabilityExpireTime": "2024-08-10T07:43:25Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
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2024-08-09T07:43:26Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
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            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 18.9
        }
      ]
    }
  ]
}
```

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  "lowFrequency": 5985
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{
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    "lowFrequency": 6005
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  "maxPsd": 10.7
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 11.5
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 9.6
},
{
  "frequencyRange": {
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    "lowFrequency": 6065
  },
  "maxPsd": 12.3
},
{
  "frequencyRange": {
    "highFrequency": 6105,
```



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"lowFrequency": 6085
},
"maxPsd": 9.1
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 9.7
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 20.8
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 19.0
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 12.0
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 12.0
}
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},
{
  "frequencyRange": {
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    "lowFrequency": 6205
  },
  "maxPsd": 9.5
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 9.2
},
{
  "frequencyRange": {
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    "lowFrequency": 6245
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    "lowFrequency": 6265
  },
  "maxPsd": 12.2
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 12.7
},
},
```

```
{
  "frequencyRange": {
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    "lowFrequency": 6305
  },
  "maxPsd": 20.3
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{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 14.7
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    "lowFrequency": 6345
  },
  "maxPsd": 11.8
},
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  "frequencyRange": {
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    "lowFrequency": 6365
  },
  "maxPsd": 15.7
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{
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    "lowFrequency": 6385
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  "maxPsd": 21.7
},
{
  "frequencyRange": {
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        "lowFrequency": 6525
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        "lowFrequency": 6585
    },
    "maxPsd": 17.1
},
{
    "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
```

```
    },
    "maxPsd": 12.5
  },
  {
    "frequencyRange": {
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    },
    "maxPsd": 12.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 20.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 19.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 17.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 17.9
  }
```

```
},  
{  
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  },  
  "maxPsd": 21.2  
},  
{  
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    "lowFrequency": 6745  
  },  
  "maxPsd": 9.6  
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    "lowFrequency": 6765  
  },  
  "maxPsd": 16.5  
},  
{  
  "frequencyRange": {  
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    "lowFrequency": 6785  
  },  
  "maxPsd": 13.8  
},  
{  
  "frequencyRange": {  
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    "lowFrequency": 6805  
  },  
  "maxPsd": 18.3  
},  
{
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```
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            "lowFrequency": 6825
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        "maxPsd": 21.0
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    {
        "frequencyRange": {
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            "lowFrequency": 6845
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    }
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"requestId": "1970386447",
"availabilityExpireTime": "2024-08-10T07:43:25Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

##### 2024-08-09T07:43:26Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [
                {
                    "frequencyRange": {
                        "highFrequency": 5965,
                        "lowFrequency": 5945
                    },
                    "maxPsd": 11.8
                }
            ]
        }
    ]
}
```

```
},
{
  "frequencyRange": {
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    "lowFrequency": 5965
  },
  "maxPsd": 18.9
},
{
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    "lowFrequency": 5985
  },
  "maxPsd": 17.9
},
{
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    "lowFrequency": 6005
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{
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    "lowFrequency": 6025
  },
  "maxPsd": 11.5
},
{
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    "lowFrequency": 6045
  },
  "maxPsd": 9.6
},
{
```



```
"frequencyRange": {
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  "lowFrequency": 6065
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    "lowFrequency": 6085
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},
{
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```
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    },
    {
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    },
    {
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        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 9.5
    },
    {
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        "lowFrequency": 6225
      },
      "maxPsd": 9.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 11.5
    },
    {
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        "lowFrequency": 6265
      },
```

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"maxPsd": 12.2
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},
{
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    "lowFrequency": 6305
  },
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},
{
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},
{
  "frequencyRange": {
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    "lowFrequency": 6345
  },
  "maxPsd": 11.8
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 15.7
},
},
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```
{
  "frequencyRange": {
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  },
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{
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    "lowFrequency": 6405
  },
  "maxPsd": 17.2
},
{
  "frequencyRange": {
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    "lowFrequency": 6525
  },
  "maxPsd": 17.4
},
{
  "frequencyRange": {
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    "lowFrequency": 6545
  },
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},
{
  "frequencyRange": {
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    "lowFrequency": 6565
  },
  "maxPsd": 11.9
},
{
  "frequencyRange": {
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    },
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        "lowFrequency": 6605
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        "lowFrequency": 6665
    },
    "maxPsd": 19.5
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
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    },
    "maxPsd": 17.5
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6705
    },
    "maxPsd": 17.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 21.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 9.6
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  {
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  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 13.8
  }
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 18.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 21.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 21.4
    }
  ],
  "requestId": "1970386448",
  "availabilityExpireTime": "2024-08-10T07:43:26Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}

],
"version": "1.4"
}

##### 2024-08-09T07:43:26Z #####
{
  "availableSpectrumInquiryResponses": [
    {
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        "responseCode": 0,
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"shortDescription": "SUCCESS"
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"availableFrequencyInfo": [
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    "maxPsd": 11.8
  },
  {
    "frequencyRange": {
      "highFrequency": 5985,
      "lowFrequency": 5965
    },
    "maxPsd": 18.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6005,
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  },
  {
    "frequencyRange": {
      "highFrequency": 6025,
      "lowFrequency": 6005
    },
    "maxPsd": 10.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 11.5
  }
]
```



```
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 9.6
},
{
  "frequencyRange": {
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    "lowFrequency": 6065
  },
  "maxPsd": 12.3
},
{
  "frequencyRange": {
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    "lowFrequency": 6085
  },
  "maxPsd": 9.1
},
{
  "frequencyRange": {
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    "lowFrequency": 6105
  },
  "maxPsd": 9.7
},
{
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    "lowFrequency": 6125
  },
  "maxPsd": 20.8
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{
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  "lowFrequency": 6145
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},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 12.0
},
{
  "frequencyRange": {
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    "lowFrequency": 6185
  },
  "maxPsd": 9.5
},
{
  "frequencyRange": {
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    "lowFrequency": 6205
  },
  "maxPsd": 9.5
},
{
  "frequencyRange": {
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    "lowFrequency": 6225
  },
  "maxPsd": 9.2
},
{
  "frequencyRange": {
    "highFrequency": 6265,
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        "lowFrequency": 6245
      },
      "maxPsd": 11.5
    },
    {
      "frequencyRange": {
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      },
      "maxPsd": 12.2
    },
    {
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        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 12.7
    },
    {
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        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 20.3
    },
    {
      "frequencyRange": {
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        "lowFrequency": 6325
      },
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    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
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    },
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"maxPsd": 11.8
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  "maxPsd": 15.7
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 21.7
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 17.2
},
{
  "frequencyRange": {
    "highFrequency": 6545,
    "lowFrequency": 6525
  },
  "maxPsd": 17.4
},
{
  "frequencyRange": {
    "highFrequency": 6565,
    "lowFrequency": 6545
  },
  "maxPsd": 9.7
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
  },
  "maxPsd": 11.9
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 17.1
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 12.5
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 12.9
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 20.6
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 19.5
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 17.5
},
{
    "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
    },
    "maxPsd": 17.9
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
    },
    "maxPsd": 21.2
},
{
    "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
    },
    "maxPsd": 9.6
},
{
    "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
```

```
    },
    "maxPsd": 16.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 13.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 18.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6845,
      "lowFrequency": 6825
    },
    "maxPsd": 21.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6865,
      "lowFrequency": 6845
    },
    "maxPsd": 21.4
  }
],
"requestId": "1970386449",
"availabilityExpireTime": "2024-08-10T07:43:26Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
```



"version": "1.4"

}

CT_AFC_FC_STA_AFCDUAU34_Frequency_10646_1

2024-08-09T07:46:17Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.2",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "613",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1970386450",
        "deviceDescriptor": {
          "serialNumber": "02:04:56:03:20:9a",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "Z8H89FT0083"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "latitude": 24.797779444444444,
          "longitude": 120.99572416666666
        },
        "majorAxis": 16,
        "minorAxis": 16,
        "orientation": 0
      }
    }
  }
}
```

```
        "elevation": {
            "height": 13.0,
            "heightType": "AMSL",
            "verticalUncertainty": 26
        },
        "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
        {
            "lowFrequency": 5925,
            "highFrequency": 6425
        },
        {
            "lowFrequency": 6525,
            "highFrequency": 6875
        }
    ]
}
]
```

2024-08-09T07:46:18Z

```
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [
                {
                    "frequencyRange": {
                        "highFrequency": 5945,
                        "lowFrequency": 5925
                    },
                    "maxPsd": 23
                }
            ]
        }
    ]
}
```

```
},
{
  "frequencyRange": {
    "highFrequency": 5965,
    "lowFrequency": 5945
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 5985,
    "lowFrequency": 5965
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 23
},
{
```

```
"frequencyRange": {
  "highFrequency": 6065,
  "lowFrequency": 6045
},
"maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6165,
```

```
        "lowFrequency": 6145
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
    },
```

```
"maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 23
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6545,
    "lowFrequency": 6525
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6565,
    "lowFrequency": 6545
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6605,
        "lowFrequency": 6585
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
```



```
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 23
  }
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 23
    }
  ],
  "requestId": "1970386450",
  "availabilityExpireTime": "2024-08-10T07:46:17Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2024-08-09T07:53:22Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
```

```
"X-Forwarded-For": "192.168.0.2",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "613",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "1448998520",
      "deviceDescriptor": {
        "serialNumber": "02:04:56:03:20:9a",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "Z8H89FT0083"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 24.797780833333334,
        "longitude": 120.99573333333333
      },
      "majorAxis": 16,
      "minorAxis": 16,
      "orientation": 0
    },
    "elevation": {
      "height": 18.0,
      "heightType": "AMSL",
      "verticalUncertainty": 26
    },
    "indoorDeployment": 2
  }
},
```

```
"inquiredFrequencyRange": [  
  {  
    "lowFrequency": 5925,  
    "highFrequency": 6425  
  },  
  {  
    "lowFrequency": 6525,  
    "highFrequency": 6875  
  }  
]  
}  
]  
}  
}
```

2024-08-09T07:53:22Z

```
{  
  "availableSpectrumInquiryResponses": [  
    {  
      "response": {  
        "responseCode": 0,  
        "shortDescription": "SUCCESS"  
      },  
      "availableFrequencyInfo": [],  
      "requestId": "1448998520",  
      "availabilityExpireTime": "2024-08-10T07:53:22Z",  
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
    }  
  ],  
  "version": "1.4"  
}
```

2024-08-09T07:53:32Z

```
{  
  "headers": {  
    "Host": "testserver.wfatestorg.org",  
    "Accept": "*/*",  
  },  
}
```

```
"Content-Type": "application/json",
"X-Forwarded-For": "192.168.0.2",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "613",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "1448998521",
      "deviceDescriptor": {
        "serialNumber": "02:04:56:03:20:9a",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "Z8H89FT0083"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 24.797780833333334,
        "longitude": 120.99573277777777
      },
      "majorAxis": 16,
      "minorAxis": 16,
      "orientation": 0
    },
    "elevation": {
      "height": 18.0,
      "heightType": "AMSL",
      "verticalUncertainty": 26
    }
  },
  "indoorDeployment": 2
}
```

```
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5925,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6525,
        "highFrequency": 6875
      }
    ]
  }
]
}
}

##### 2024-08-09T07:53:32Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "requestId": "1448998521",
      "availabilityExpireTime": "2024-08-10T07:53:32Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}
```

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

Freq. (MHz)	Mode (6FX or 6FC)	Bandwidth (MHz)	Antenna Gain (dBi)	Port 1 Power (dBm)	Port 2 Power (dBm)	EIRP (dBm)	Port 1 PSD (dBm/MHz)	Port 2 PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
6615	6FC	20	26.00	0.33	1.17	29.78	-12.74	-11.93	16.54	21.60	Pass
6055	6FC	20	26.00	-5.22	-5.49	23.66	-18.30	-18.57	10.44	16.20	Pass
5965	6FC	40	26.00	0.11	0.08	29.11	-15.20	-14.81	13.94	17.70	Pass
6805	6FC	40	26.00	1.88	2.02	30.96	-13.36	-12.79	15.67	18.80	Pass
6145 (6125+6165)	6FC	40+40	26.00	0.45	-0.32	29.09	-18.01	-18.67	10.56	11.70	Pass
6625 (6605+6645)	6FC	40+40	26.00	-2.70	-2.01	26.67	-20.93	-20.08	8.52	9.40	Pass

AFCD.USA: Unsuccessful spectrum access request

Freq. (MHz)	Mode (6FX or 6FC)	Bandwidth (MHz)	Antenna Gain (dBi)	Port 1 Power (dBm)	Port 2 Power (dBm)	EIRP (dBm)	Port 1 PSD (dBm/MHz)	Port 2 PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
6755	6FX	20	26.00	-0.28	0.66	29.23	-13.39	-12.28	15.99	17.00	Pass

AFCD.SAU: Successful spectrum access update

Freq. (MHz)	Mode (6FX or 6FC)	Bandwidth (MHz)	Antenna Gain (dBi)	Port 1 Power (dBm)	Port 2 Power (dBm)	EIRP (dBm)	Port 1 PSD (dBm/MHz)	Port 2 PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
6695	6FC	20	26.00	0.71	1.30	30.03	-12.18	-11.66	16.97	21.50	Pass
6695	6FC	20	26.00	-0.41	0.12	28.87	-13.16	-12.75	15.91	17.50	Pass

AFCD.UAU: Unsuccessful spectrum access update

Freq. (MHz)	Mode (6FX or 6FC)	Bandwidth (MHz)	Antenna Gain (dBi)	Port 1 Power (dBm)	Port 2 Power (dBm)	EIRP (dBm)	Port 1 PSD (dBm/MHz)	Port 2 PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
6115	6FC	20	26.00	1.82	2.05	30.95	-11.28	-10.88	17.74	23.00	Pass
6115	6FX	20	26.00	-0.66	-1.43	27.98	-13.75	-14.25	14.79	17.00	Pass

AFC capability - Inquired Frequency

CT_AFC_FC_STA_AFCDRSA31_Frequency_20MHz_10640_1

Frequency (MHz): 6615

6.525-6.875GHz_2TX

AV Power

6615MHz_TX

09/08/2024

CF (Hz)
6.615G

Span (Hz)
30M

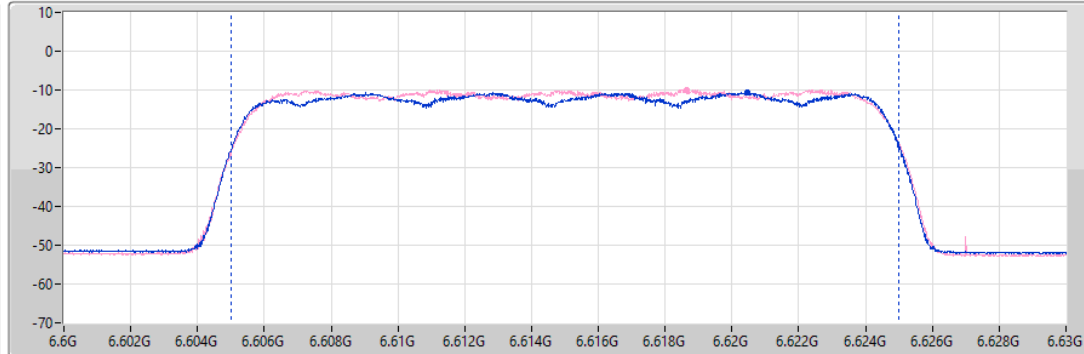
RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS

CP BW (Hz)
20M



Port 1 

Port 2 

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
3.78	0.33	1.17

6.525-6.875GHz_2TX

PSD

6615MHz

09/08/2024

CF (Hz)
6.615G

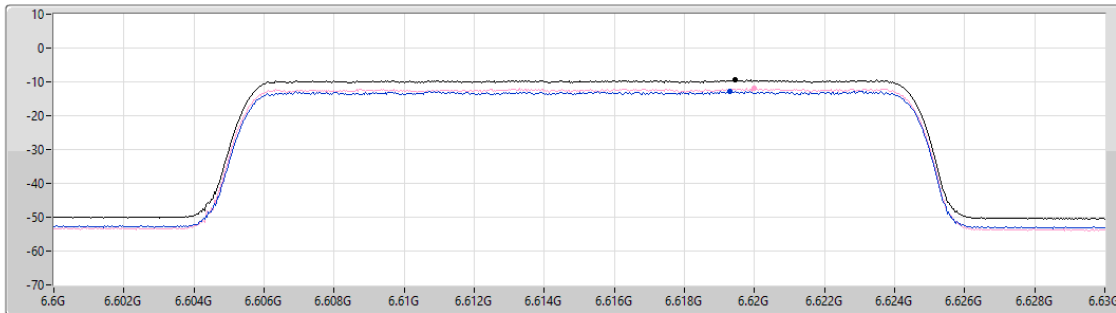
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.46	-9.46	-12.74	-11.93

Frequency (MHz): 6055

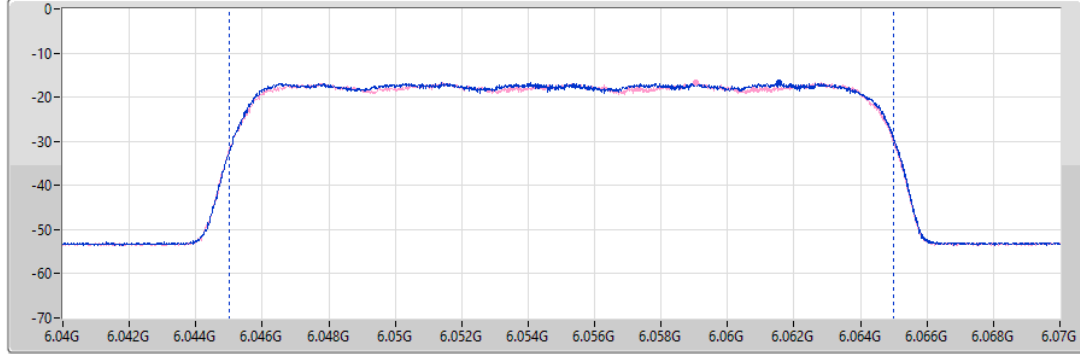
5.925-6.425GHz_2TX

AV Power

6055MHz_TX

09/08/2024

CF (Hz)
6.055G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS
CP BW (Hz)
20M



Sum=Total Power
PX=Port X

Port 1
Port 2

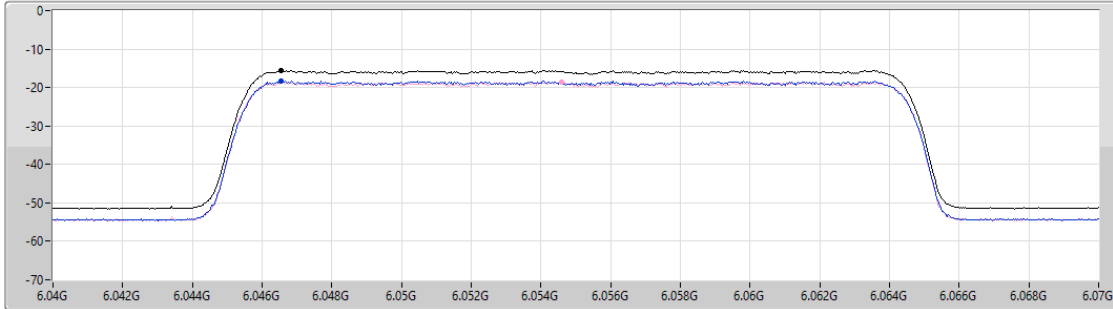
5.925-6.425GHz_2TX

PSD

6055MHz

09/08/2024

CF (Hz)
6.055G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2

CT_AFC_FC_STA_AFCDRSA31_Frequency_40MHz_10641_1

Frequency (MHz): 5965

5.925-6.425GHz_2TX

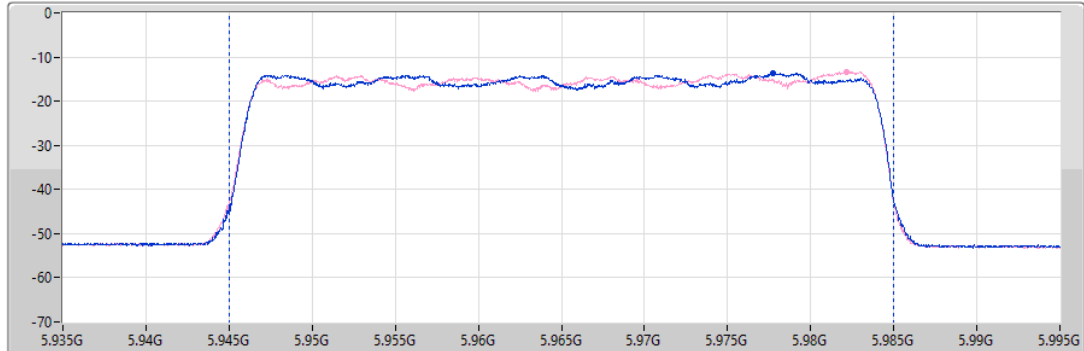
AV Power

5965MHz_TX

09/08/2024

CF (Hz)
5.965G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS
CP BW (Hz)
40M

Sum=Total Power
PX=Port X



Port 1
Port 2

Sum(dBm)	P1(dBm)	P2(dBm)
3.11	0.11	0.08

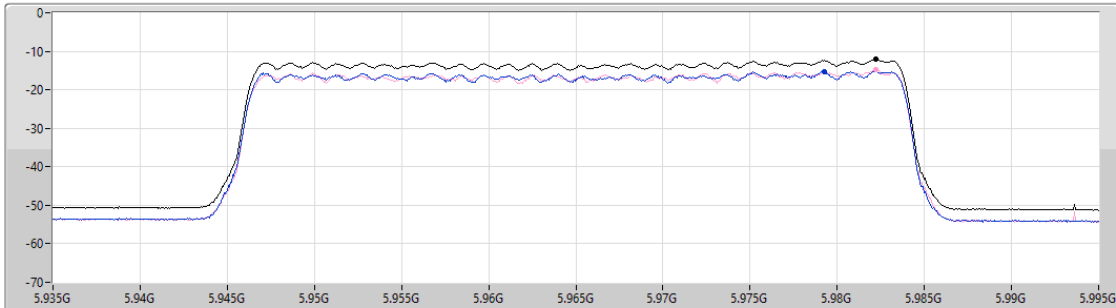
5.925-6.425GHz_2TX

PSD

5965MHz

09/08/2024

CF (Hz)
5.965G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.06	-12.06	-15.20	-14.81

Frequency (MHz): 6805

6.525-6.875GHz_2TX

AV Power

6805MHz_TX

09/08/2024

CF (Hz)
6.805G

Span (Hz)
60M

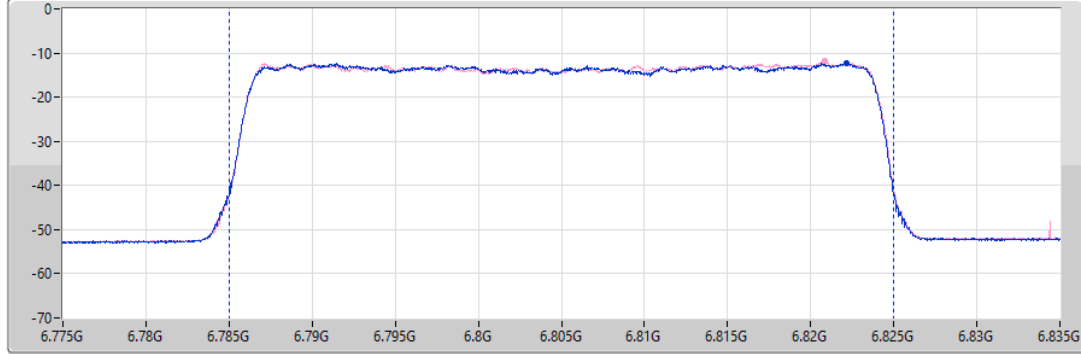
RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS

CP BW (Hz)
40M



Port 1 

Port 2 

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
4.96	1.88	2.02

6.525-6.875GHz_2TX

PSD

6805MHz

09/08/2024

CF (Hz)
6.805G

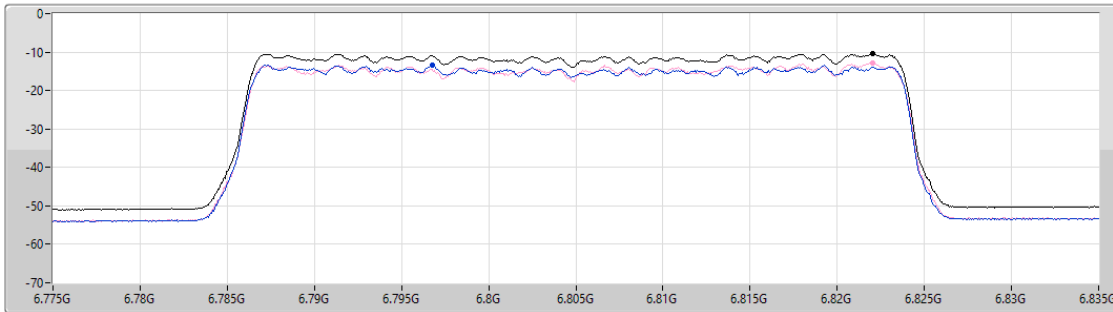
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
-10.33	-10.33	-13.36	-12.79

CT_AFC_FC_STA_AFCRSA31_Frequency_40+40MHz_10642_1

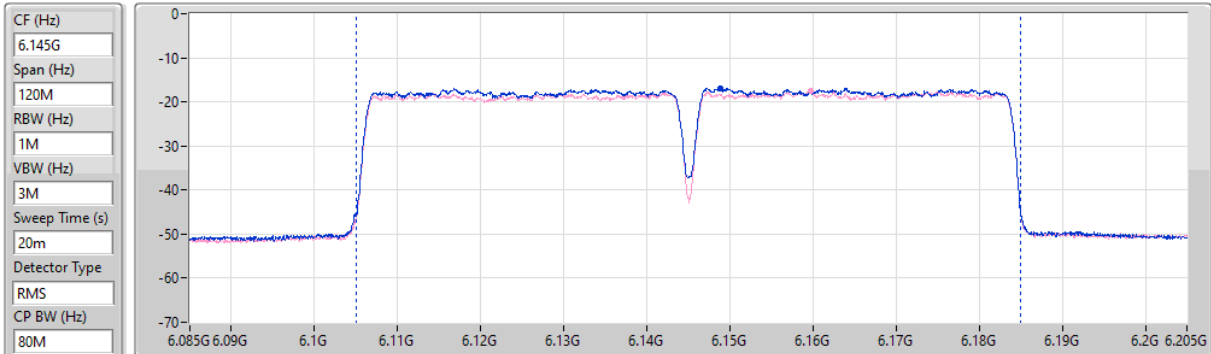
Frequency (MHz): 6145 (6125+6165)

5.925-6.425GHz __40MHz+40MHz

AV Power

#6125MHz,#6165MHz Straddle 5.925-6.425GHz_TX

09/08/2024



Sum=Total Power
PX=Port X

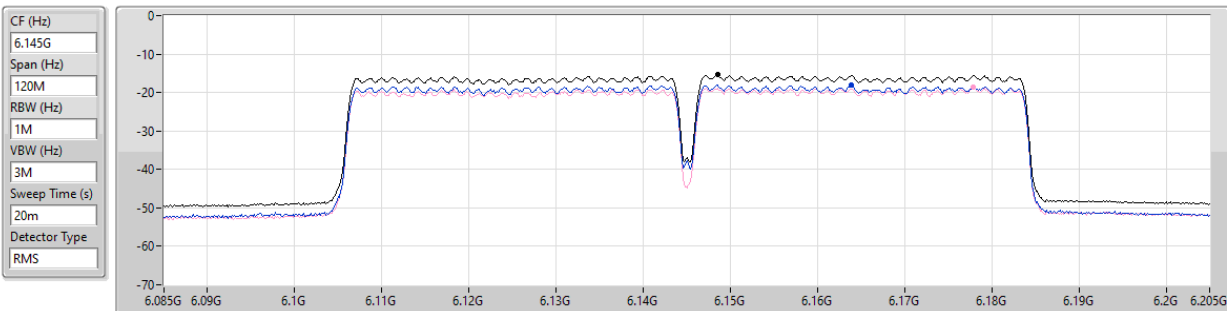
Sum(dBm)	P1(dBm)	P2(dBm)
3.09	0.45	-0.32

5.925-6.425GHz __40MHz+40MHz

PSD

#6125MHz,#6165MHz Straddle 5.925-6.425GHz

09/08/2024



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.44	-15.44	-18.01	-18.67

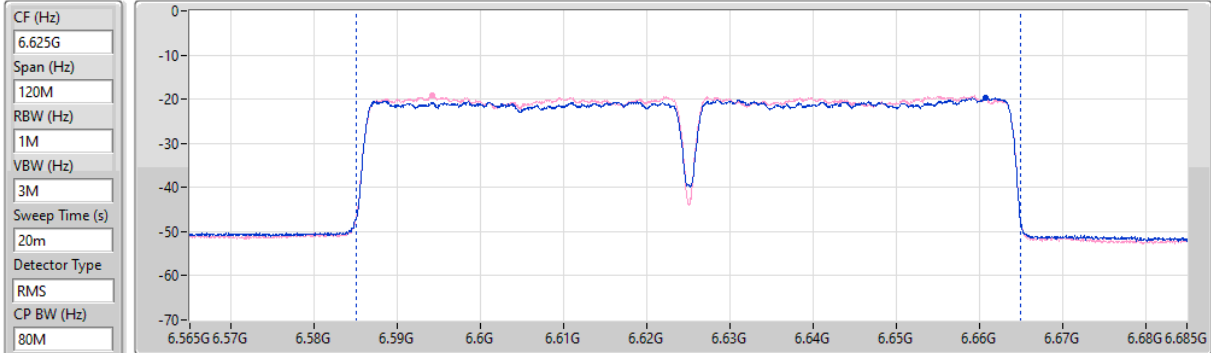
Frequency (MHz): 6625 (6605+6645)

6.525-6.875GHz_40MHz+40MHz

AV Power

#6605MHz,#6645MHz Straddle 6.525-6.875GHz_TX

09/08/2024



Sum=Total Power
PX=Port X

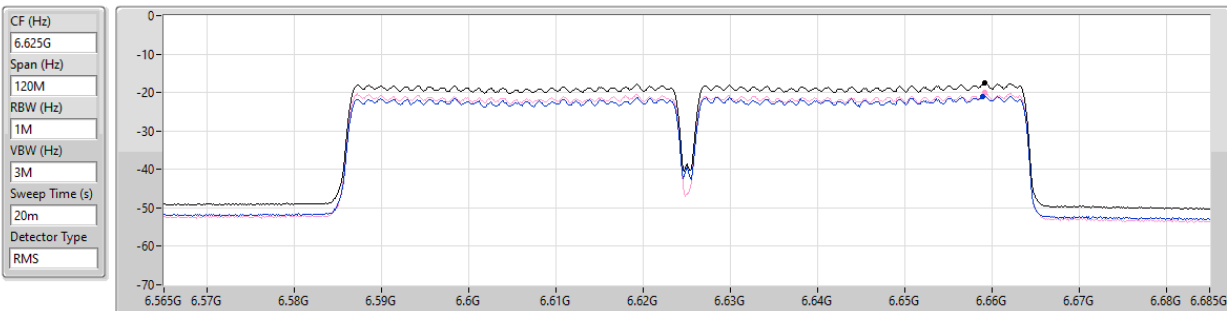
Sum(dBm)	P1(dBm)	P2(dBm)
0.67	-2.70	-2.01

6.525-6.875GHz_40MHz+40MHz

PSD

#6605MHz,#6645MHz Straddle 6.525-6.875GHz

09/08/2024



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-17.48	-17.48	-20.93	-20.08

CT_AFC_FC_STA_AFCDUSA32_Frequency_10644_1

Bandwidth: 20MHz

Frequency (MHz): 6755

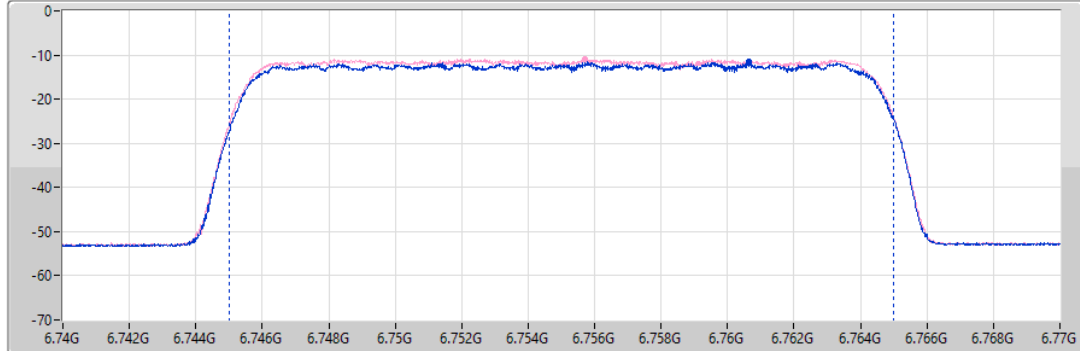
6.525-6.875GHz_2TX

AV Power

6755MHz_TX

09/08/2024

CF (Hz)
6.755G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS
CP BW (Hz)
20M



Port 1
Port 2

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
3.23	-0.28	0.66

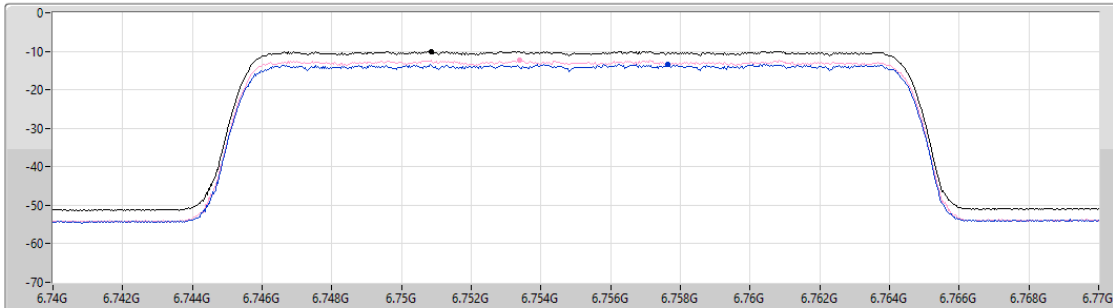
6.525-6.875GHz_2TX

PSD

6755MHz

09/08/2024

CF (Hz)
6.755G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.01	-10.01	-13.39	-12.28

CT_AFC_FC_STA_AFCD3AU33_Frequency_10645_1

Bandwidth: 20MHz

Frequency (MHz): 6695

6.525-6.875GHz_2TX

AV Power

6695MHz_TX

09/08/2024

CF (Hz)
6.695G

Span (Hz)
30M

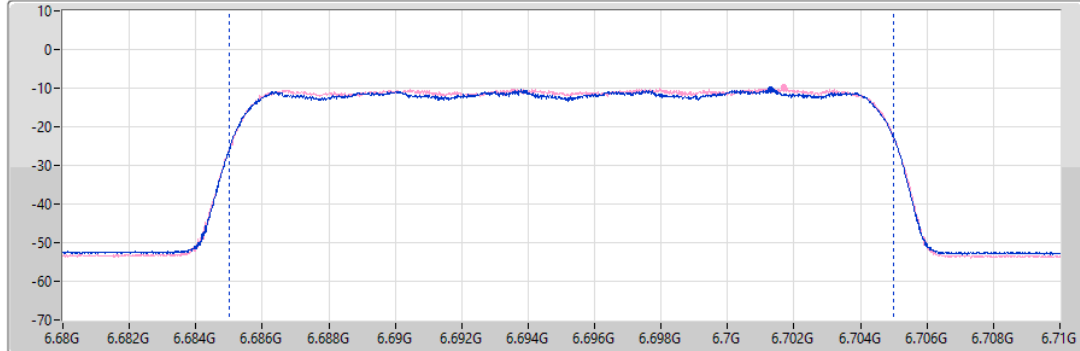
RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS

CP BW (Hz)
20M



Port 1 

Port 2 

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
4.03	0.71	1.30

6.525-6.875GHz_2TX

PSD

6695MHz

09/08/2024

CF (Hz)
6.695G

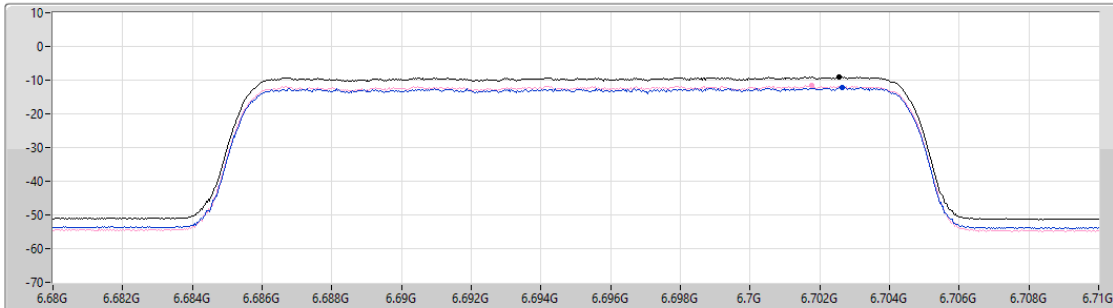
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.03	-9.03	-12.18	-11.66

Frequency (MHz): 6695

6.525-6.875GHz_2TX

AV Power

6695MHz_TX

09/08/2024

CF (Hz)
6.695G

Span (Hz)
30M

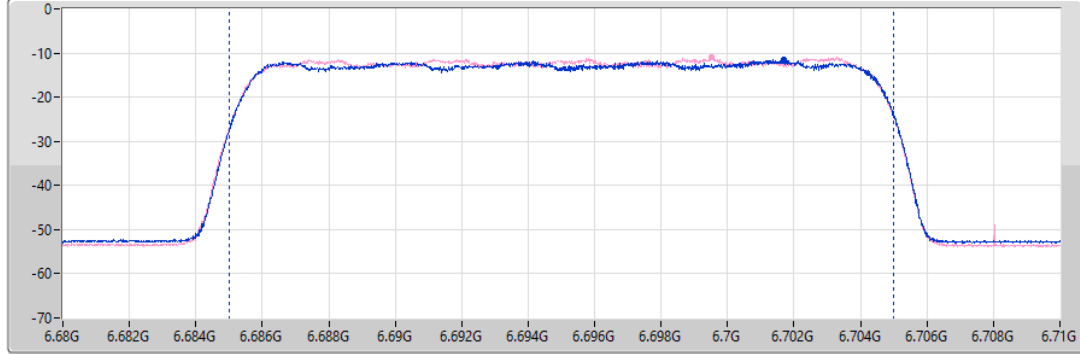
RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS

CP BW (Hz)
20M



Port 1 

Port 2 

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
2.87	-0.41	0.12

6.525-6.875GHz_2TX

PSD

6695MHz

09/08/2024

CF (Hz)
6.695G

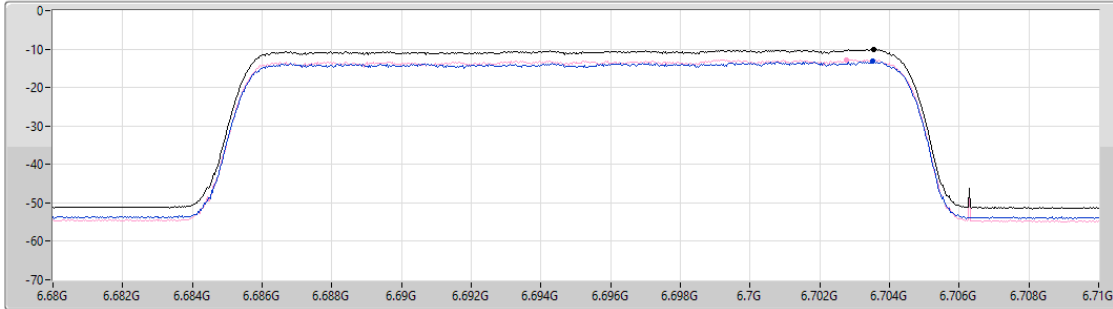
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
-10.09	-10.09	-13.16	-12.75

CT_AFC_FC_STA_AFCDUAU34_Frequency_10646_1

Bandwidth: 20MHz

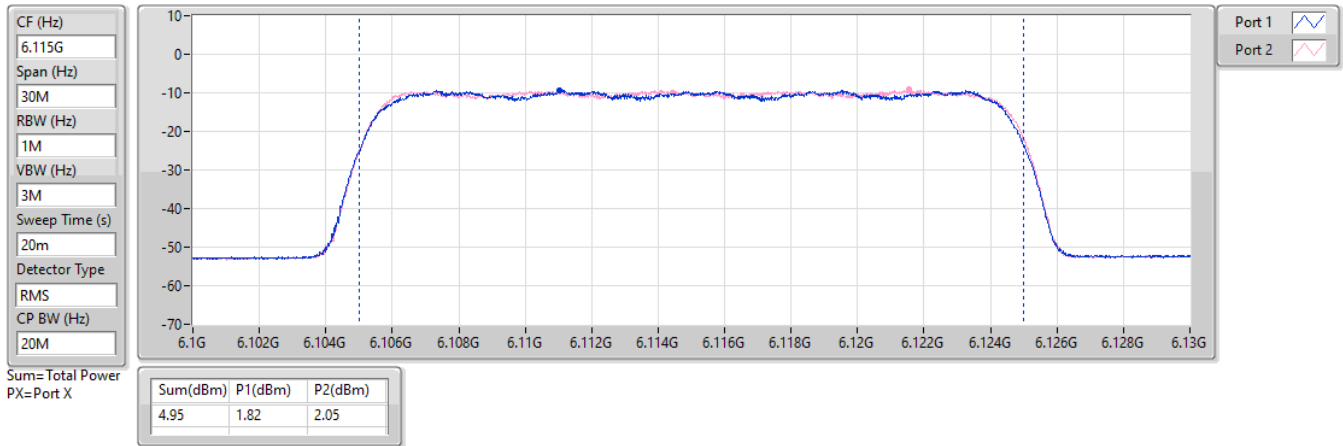
Frequency (MHz): 6115

5.925-6.425GHz_2TX

AV Power

6115MHz_TX

09/08/2024

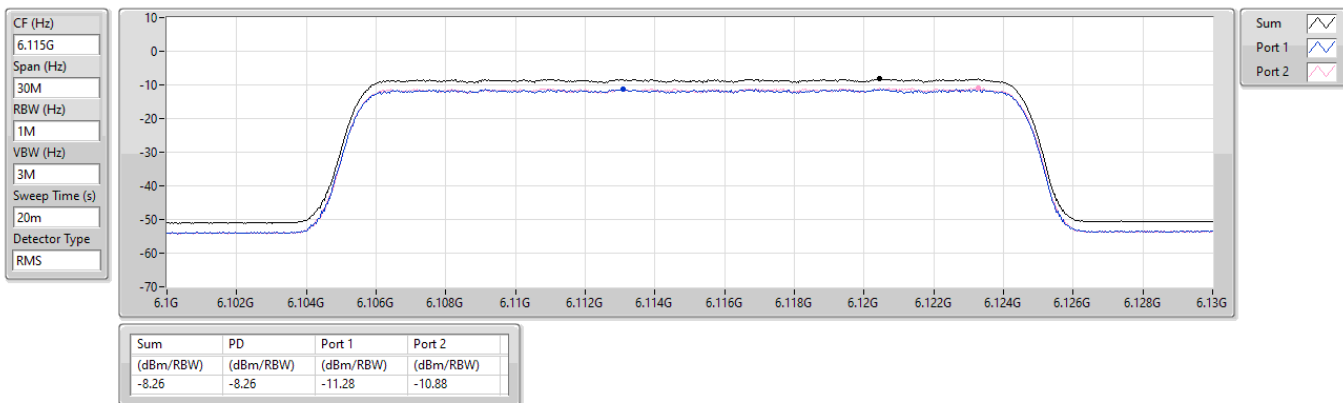


5.925-6.425GHz_2TX

PSD

6115MHz

09/08/2024



Frequency (MHz): 6115

5.925-6.425GHz_2TX

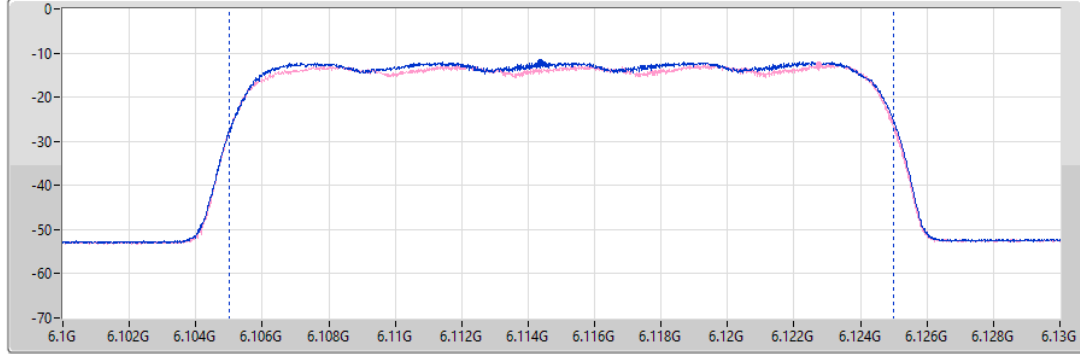
AV Power

6115MHz_TX

09/08/2024

CF (Hz)
6.115G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS
CP BW (Hz)
20M

Sum=Total Power
PX=Port X



Port 1
Port 2

Sum(dBm)	P1(dBm)	P2(dBm)
1.98	-0.66	-1.43

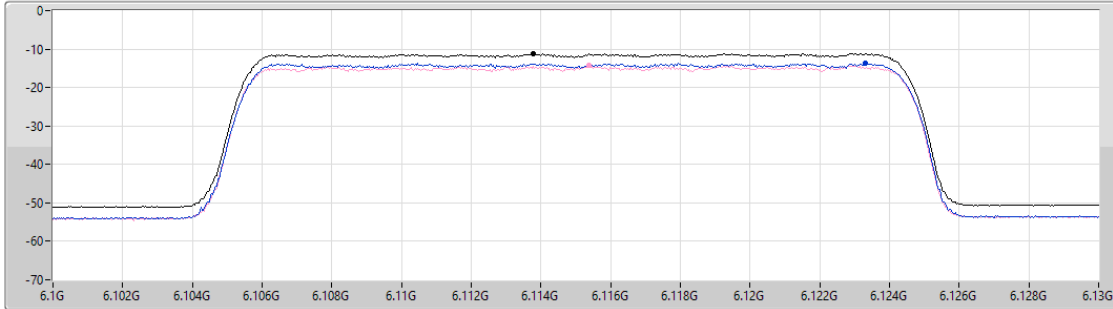
5.925-6.425GHz_2TX

PSD

6115MHz

09/08/2024

CF (Hz)
6.115G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



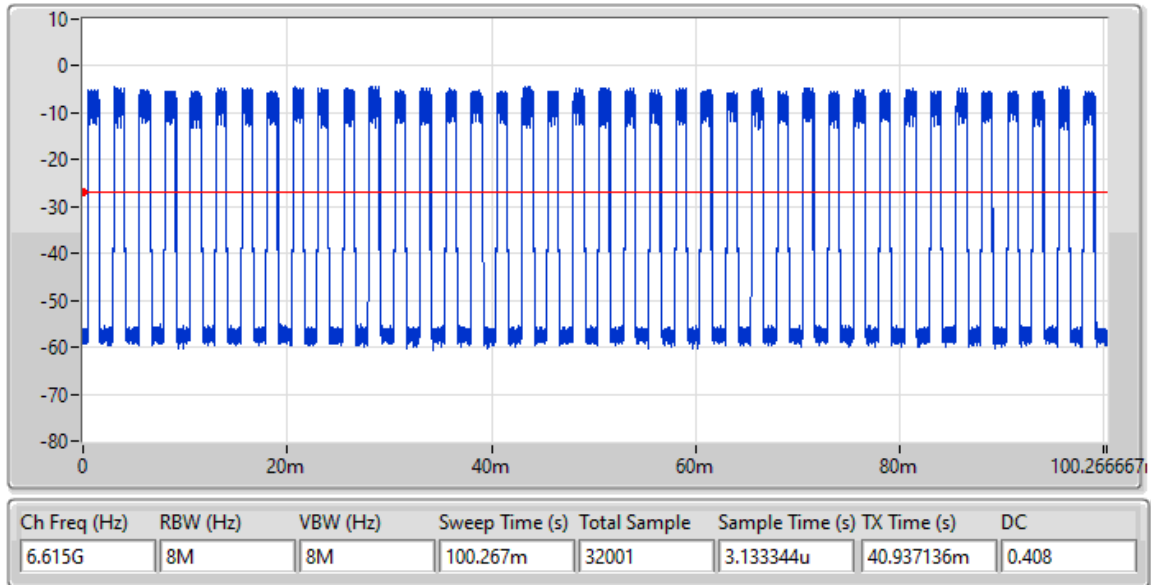
Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.21	-11.21	-13.75	-14.25

Duty Cycle

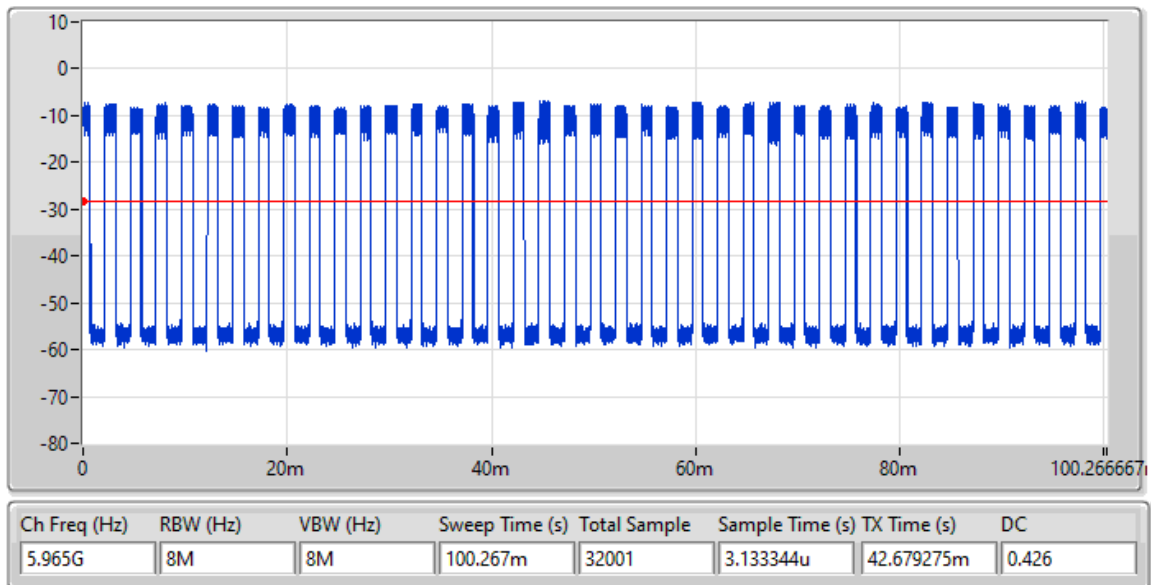
Bandwidth: 20MHz

DC;ax20;BWch:20



Bandwidth: 40MHz

DC;ax40;BWch:40



—THE END—