



AFC DUT TEST HARNESS REPORT

FCC ID : G95BGW620
Equipment : Wi-Fi 7 XGS-PON Gateway
Brand Name : ARRIS
Model Name : BGW620-700
Applicant : Vantiva USA LLC
4855 Peachtree Industrial Blvd. Suite 200,
Norcross, Georgia, 30092 United States
Manufacturer : Vantiva
887 N Douglas street, El Segundo CA 90245
Standard : 47 CFR FCC Part 15.407

The product was received on Jul. 16, 2024, and testing was started from Aug. 19, 2024 and completed on Aug. 19, 2024. We, Sporton International Inc. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in AFC Device (AFC DUT) Compliance Test Plan Version 1.5 and shown compliance with the applicable technical standards.

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


Approved by: Jackson Tsai

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Appendix A. Tools Report

Appendix B. DUT Spectrum Inquiry Request/Response Logs

Appendix C. RF Measurement Plots

Photographs of EUT v01



Summary of Test Result

Report Clause	Ref Std. Clause	Test Case Name	Result (PASS/FAIL)	Remark
AFC capability - Inquired Frequency & Channel				
Test Group: Inquired Frequency and Channel - Always				
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_20MHz_10625_1	PASS	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_40MHz_10626_1	PASS	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_80MHz_10627_1	PASS	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1	PASS	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_320MHz_10715_1	PASS	-
3.2	3.2.4	CT_AFC_SP_AP_AFCDUSA32_FrequencyChannel_10629_1	PASS	-
3.3	3.3.4	CT_AFC_SP_AP_AFCDSAU33_FrequencyChannel_10630_1	PASS	-
3.4	3.4.4	CT_AFC_SP_AP_AFCDUUA34_FrequencyChannel_10631_1	PASS	-
AFC capability - Server Validation – Mandatory				
Test Group: Server Validation - Always				
3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_NonMatchSAN_10632_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_MatchSuffixSAN_10634_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1	PASS	-

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Jason Su

Report Producer: Ann Hou



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature of Equipment Under Test	
Power Type	From power adapter
EUT Type	☐ Standard Power Access Point with Proxy ☒ Standard Power Access Point without Proxy ☐ Fixed Client with Proxy ☐ Fixed Client without Proxy
Bandwidth (MHz)	20 / 40 / 80 / 160 / 320
Condition of EUT	☒ Indoor ☐ Outdoor
Professional Installation	☐ Yes ☒ No
Firmware Version	5.29.6_1.6_mfg_fcc
Software Version	5.29.6_1.6_mfg_fcc
Hardware Version	2002300460053
Proxy Firmware Version	N/A
Proxy Software Version	N/A
Proxy Hardware Version	N/A

Note: The above information was declared by manufacturer.



1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support
1	Galtronics	DB1	PCB	I-Pex	2.4G+5G
2	Galtronics	DB2	PCB	I-Pex	2.4G+5G
3	Galtronics	DB3	PCB	I-Pex	2.4G+5G
4	Galtronics	DB4	PCB	I-Pex	2.4G+5G
5	Galtronics	6G1	PCB	I-Pex	6G
6	Galtronics	6G2	PCB	I-Pex	6G
7	Galtronics	6G3	PCB	I-Pex	6G
8	Galtronics	6G4	PCB	I-Pex	6G
9	Galtronics	IoT1-DFS	PCB	I-Pex	5G/BT/802.15.4
10	Galtronics	IoT2	PCB	I-Pex	BT/802.15.4
11	Galtronics	GNSS	PCB	I-Pex	GPS

Ant.	Port	Gain (dBi)											
		2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	DFS-RX	BT+802.15.4	GPS
1	1	3.54	4.9	4.94	5.12	5.02	-	-	-	-	-	-	-
2	2	4.79	3.47	3.79	3.58	2.66	-	-	-	-	-	-	-
3	3	3.46	2.48	2.72	4.85	4.02	-	-	-	-	-	-	-
4	4	3.75	4.41	3.05	3.46	3.78	-	-	-	-	-	-	-
5	1	-	-	-	-	-	4	4.85	4.11	4.22	-	-	-
6	2	-	-	-	-	-	3.64	4.26	3.26	4.19	-	-	-
7	3	-	-	-	-	-	5.5	5.4	4.77	5.07	-	-	-
8	4	-	-	-	-	-	5.11	5.04	4.96	5.17	-	-	-
9	1	-	-	-	-	-	-	-	-	-	5.647	4.716	-
10	2	-	-	-	-	-	-	-	-	-	-	3.765	-
11	1	-	-	-	-	-	-	-	-	-	-	-	4.219

Composite Gain (dBi)									
Freq(Hz)	2.45G	5.2G	5.3G	5.6G	5.785G	6.175G	6.475G	6.695G	6.995G
DG [1SS] (dBi)	5.03	5.25	5.58	6.35	6.17	5.66	5.88	5.63	5.82
DG [2SS] (dBi)	4.79	4.9	4.94	5.12	5.02	5.5	5.4	4.96	5.17
DG [4SS] (dBi)	4.79	4.9	4.94	5.12	5.02	5.5	5.4	4.96	5.17



Note 1: The EUT has eleven antennas.

Note 2: The composite gain is derived as KDB 662911 D03 v01 which was used as directional gain. For more detail information, please refer to the Antenna Pattern Report AP450601.

For 2.4GHz function:

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

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

For 5GHz function:

For IEEE 802.11 a/n/ac/ax/be mode (4TX/5RX)

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

Ant. 1 (port 1), Ant. 2 (port 2), Ant. 3 (port 3), Ant. 4 (port 4) and Ant. 9 (port 1) could receive simultaneously.

For 6GHz function:

For IEEE 802.11 ax/be mode (4TX/4RX)

Ant. 5 (port 1), Ant. 6 (port 2), Ant. 7 (port 3) and Ant. 8 (port 4) could transmit/receive simultaneously.

For BT function:

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

Ant. 9 (port 1) or Ant. 10 (port 2) could transmit/receive.

Support diversity function and pre-tested on each single chain, the worst case was Ant. 10(port 2) and it was record in this test report.

For 802.15.4 function:

For IEEE 802.15.4 mode (1TX/1RX)

Ant. 9 (port 1) or Ant. 10 (port 2) could transmit/receive.

Support diversity function and pre-tested on each single chain, the worst case was Ant. 10(port 2) and it was record in this test report.

For GPS function:

For GNSS mode (1TX/1RX)

Ant. 11 (port 1) could transmit/receive.



1.3 Accessories

Accessories				
AC Adapter (US Plug)	Brand Name	Vantiva	Model Name	EPS72R0-16
	SN	DD72A2343A0551		
	Power Rating	I/P: 120Vac, 1.8A, O/P: 12Vdc, 6A		
	Power Cord	3.6 meter, non-shielded cable, w/o ferrite core		

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

1.4 Support Equipment

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	HP	HSTNN-I42C	-
2	Client(Slave)	HP	HSTNN-I42C	PD9BE200NG
3	AP (Master)	ASUS	RT-AX88U	MSQ-RTAXHP00

1.5 Applicable Standards

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

- ♦ 47 CFR FCC Part 15.407

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

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

1.6 Testing Location

Testing Location Information				
Test Lab. : Sporton International Inc. Hsinhua Laboratory Hsinhua ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.) (TAF: 3785) TEL: 886-3-327-3456 FAX: 886-3-327-0973 Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	DFS03-HY	Wayne Lin	23.2~23.6°C / 55~58%	19/Aug/2024



2 Measurement Environment

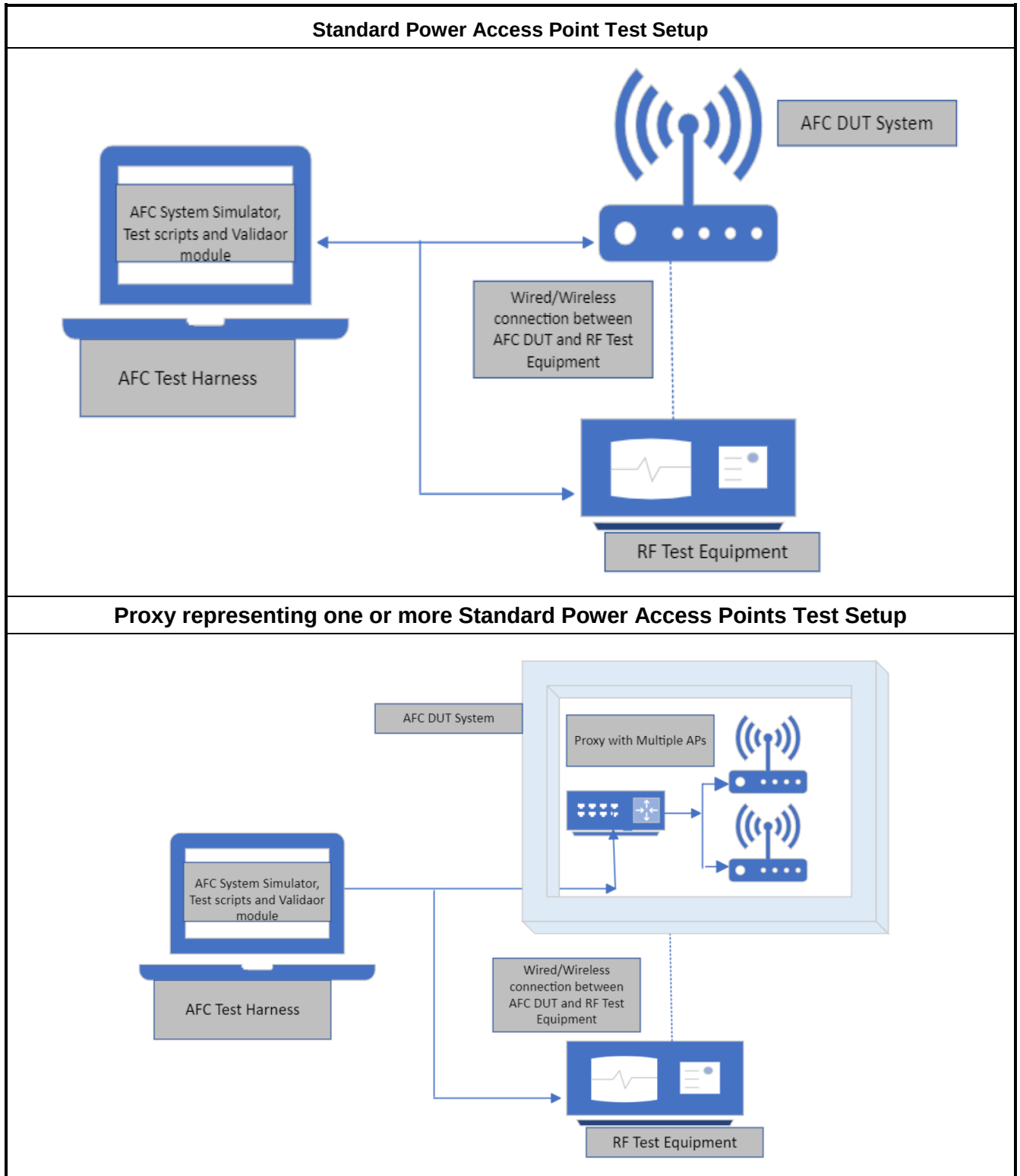
Measurement Environment Information	
AFC DUT Test Harness version	2.0.65.174

2.1 AFC DUT General Capabilities Declaration

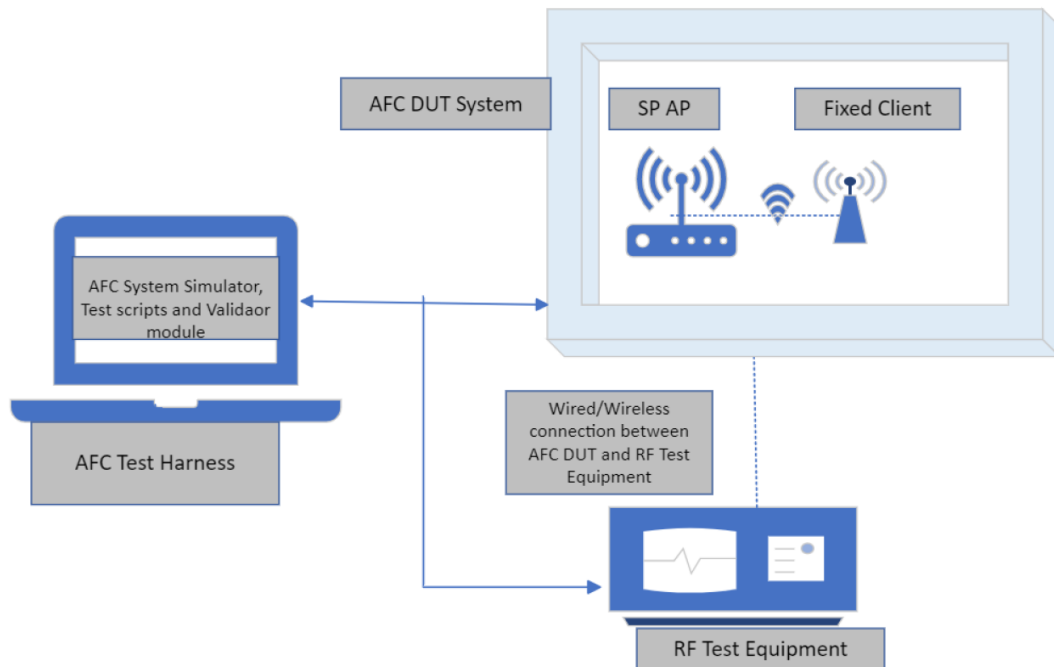
Item	Question	Vendor Response
1	AFC DUT Type	Standard Power AP
2	What is the AFC DUT supports sending an Available Spectrum Inquiry Request type?	Frequency & Channel
3	Does the AFC DUT need to be supplied with BSS configuration parameters?	No
4	Does the AFC DUT manufacturer attest to AFC DUT compliance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

Note: The above information was declared by manufacturer.

2.2 Test Configuration



Fixed Client Device Test Setup





3 Protocol Test Results

3.1 Successful Registration and Spectrum Access Request

3.1.1 Test Procedure

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



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

3.1.2 Test Result

Refer as Appendix A~C

3.2 Unsuccessful Spectrum Access Request

3.2.1 Test Procedure

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

3.2.2 Test Result

Refer as Appendix A~C



3.3 Successful Spectrum Access Update

3.3.1 Test Procedure

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



13	The AFC DUT set to Initial Pre-test State.
14	If needed (see Table 5 declaration), configure the AFC DUT with a temporary test regulatory identifier (e.g., FCC ID), geographic coordinates, antenna height, and uncertainty parameters. Configure the AFC DUT with AFC System URL and server root certificate. Trigger the AFC DUT to send to the AFC DUT Test Harness an Available Spectrum Inquiry Request using either In-band or Out-of- band methods.
15	AFC DUT sends a valid Available Spectrum Inquiry Request containing the inquiredFrequencyRange and/or the inquiredChannels fields*
16	AFC DUT Test Harness validates the presence of mandatory registration information
17	AFC DUT Test Harness sends an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or availableChannelInfo fields.
18	If AFC DUT used Out-of-band method, initiate connection procedure between AFC DUT and SP Access Point by following instructions provided by the AFC DUT Vendor
19	Wait for 60 seconds RF Test Equipment monitors any transmission by the AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies
20	AFC DUT is power cycled. If needed (see Table 5 declaration), configure the AFC DUT with a temporary test regulatory identifier (e.g., FCC ID), new geographic coordinates, antenna height, and uncertainty parameters. Configure the AFC DUT with AFC System URL and server root certificate
21	Wait for 60 seconds If the AFC DUT does not send an Available Spectrum Inquiry Request, RF Test Equipment monitors the output of the AFC DUT to verify the AFC DUT does not transmit above maximum transmit power limits advertised by the Standard Power Access Point for Standard Client Devices in the channel and STOP the test. If the AFC DUT sends an Available Spectrum Inquiry Request, then CONTINUE with Step 21
22	AFC DUT Test Harness evaluates validity of mandatory registration information
23	AFC DUT Test Harness waits for 60 seconds before sending an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or availableChannelInfo fields which are significantly different from step 17. During the 60 seconds wait time, RF Test Equipment monitors the output of the AFC DUT to confirm that the AFC DUT does not transmit above maximum transmit power limits advertised by the Standard Power Access Point for Standard Client Devices in the channel.
24	If AFC DUT used Out-of-band method, initiate connection procedure between AFC DUT and SP Access Point by following instructions provided by the AFC DUT Vendor
25	Wait for 60 seconds RF Test Equipment monitors any transmission by the AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies

3.3.2 Test Result

Refer as Appendix A~C



3.4 Unsuccessful Spectrum Access Update

3.4.1 Test Procedure

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



17	AFC DUT Test Harness sends an Available Spectrum Inquiry Response containing a list of available frequency ranges and/or channels and the maximum permissible transmit power in the availableFrequencyInfo and/or availableChannelInfo fields.
18	If AFC DUT used Out-of-band method, initiate connection procedure between AFC DUT and SP Access Point by following instructions provided by the AFC DUT Vendor
19	Wait for 60 seconds RF Test Equipment monitors any transmission by the AFC DUT conforms to the conditions contained in the Available Spectrum Inquiry Response and does not exceed emissions limits in adjacent frequencies
20	AFC DUT is power cycled. If needed (see Table 5 declaration), configure the AFC DUT with a temporary test regulatory identifier (e.g., FCC ID or IC ID), new geographic coordinates, antenna height, and uncertainty parameters. Configure the AFC DUT with AFC System URL and server root certificate
21	Wait for 60 seconds If the AFC DUT does not send an Available Spectrum Inquiry Request, RF Test Equipment monitors that the AFC DUT does not transmit above maximum transmit power limits advertised by the Standard Power Access Point for Standard Client Devices in the channel., If the AFC DUT sends an Available Spectrum Inquiry Request, then CONTINUE with Step 22 else STOP the test
22	AFC DUT Test Harness evaluates validity of mandatory registration information.
23	AFC DUT Test Harness sends an Available Spectrum Inquiry Response indicating that no frequency ranges and/or channels are available.
24	If AFC DUT used Out-of-band method, initiate connection procedure between AFC DUT and SP Access Point by following instructions provided by the AFC DUT Vendor
25	Wait for 60 seconds RF Test Equipment monitors that the AFC DUT does not transmit above maximum transmit power limits advertised by the Standard Power Access Point for Standard Client Devices in the channel.

3.4.2 Test Result

Refer as Appendix A~C



3.5 Unsuccessful Server Validation

3.5.1 Test Procedure

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

3.5.2 Test Result

Refer as Appendix A



4 Test Equipment and Calibration Data

Instrument	Manufacturer/ Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101439	10Hz~44GHz	30/Nov/2023	29/Nov/2024
SENSE-15407_NII	Sporton	V5.11.19	N/A	N/A	N/A	N/A
WFA-Quick Track-Tool	WI-FI ALLIANCE	2.0.65.174	N/A	N/A	N/A	N/A



5 Measurement Uncertainty

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

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP
DUT Vendor Name	Vantiva
DUT Product Model	T095

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT AFC ServerValidation AP AFCDUSV35 NoRootCA 10639 1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT AFC ServerValidation AP AFCDUSV35 TLSCipherSuiteENULL 10638 1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT AFC ServerValidation AP AFCDUSV35 StapledOCSPRespExpired 10637 1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT AFC ServerValidation AP AFCDUSV35 OCSPStaplingDisabled 10636 1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT AFC ServerValidation AP AFCDUSV35 ServerCertRevoked 10635 1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT AFC ServerValidation AP AFCDUSV35 MatchSuffixSAN 10634 1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT AFC ServerValidation AP AFCDUSV35 DifferentRootCA 10633 1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT AFC ServerValidation AP AFCDUSV35 NonMatchSAN 10632 1 (Unsuccessful server validation)	PASS

15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT AFC SP AP AFCDRSA31 FrequencyChannel 320MHz 10715 1 (Successful registration and spectrum access request)	PASS
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT AFC SP AP AFCDUAU34 FrequencyChannel 10631 1 (Unsuccessful spectrum access update)	PASS
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT AFC SP AP AFCDSAU33 FrequencyChannel 10630 1 (Successful spectrum access update)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii)	CT AFC SP AP AFCDUSA32 FrequencyChannel 10629 1 (Unsuccessful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT AFC SP AP AFCDRSA31 FrequencyChannel 160MHz 10628 1 (Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT AFC SP AP AFCDRSA31 FrequencyChannel 80MHz 10627 1 (Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT AFC SP AP AFCDRSA31 FrequencyChannel 40MHz 10626 1 (Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT AFC SP AP AFCDRSA31 FrequencyChannel 20MHz 10625 1 (Successful registration and spectrum access request)	PASS

**Test Measurements**

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

TestCaseName: CT_AFC_SP_AP_AFCRSA31_FrequencyChannel_320MHz_10715_1 (Successful registration and spectrum access request)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (8.2 dBm/MHz PSD, 29.2 dBm EIRP) in Spectrum Reponse] on channel center frequency index 37 bandwidth 320.	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 transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (9.0 dBm/MHz PSD, 27.8 dBm EIRP) in Spectrum Reponse] on channel center frequency index 5 bandwidth 320.	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_SP_AP_AFCDUAU34_FrequencyChannel_10631_1 (Unsuccessful spectrum access update)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (23 dBm/MHz PSD, 36.0 dBm EIRP) in Spectrum Reponse] on channel 21 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

TestCaseName: CT_AFC_SP_AP_AFCDSAU33_FrequencyChannel_10630_1 (Successful spectrum access update)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION_1	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (13.4 dBm/MHz PSD, 26.4 dBm EIRP) in Spectrum Reponse] on channel 5 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

TestCaseName: CT_AFC_SP_AP_AFCDUSA32_FrequencyChannel_10629_1 (Unsuccessful registration and spectrum access request)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_SP_AP_AFCRSA31_FrequencyChannel_160MHz_10628_1 (Successful registration and spectrum access request)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (9.2 dBm/MHz PSD, 31.2 dBm EIRP) in Spectrum Reponse] on channel center frequency index 143 bandwidth 160.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (8.2 dBm/MHz PSD, 30.2 dBm EIRP) in Spectrum Reponse] on channel center frequency index 47 bandwidth 160.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_80MHz_10627_1 (Successful registration and spectrum access request)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (13.5 dBm/MHz PSD, 32.5 dBm EIRP) in Spectrum Reponse] 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 transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (10.2 dBm/MHz PSD, 29.2 dBm EIRP) in Spectrum Reponse] on channel center frequency index 87 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_SP_AP_AFCRSA31_FrequencyChannel_40MHz_10626_1 (Successful registration and spectrum access request)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (19.5 dBm/MHz PSD, 35.5 dBm EIRP) in Spectrum Reponse] on channel center frequency index 19 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 transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (15.4 dBm/MHz PSD, 31.4 dBm EIRP) in Spectrum Reponse] on channel center frequency index 67 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_SP_AP_AFCRSA31_FrequencyChannel_20MHz_10625_1 (Successful registration and spectrum access request)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (15.2 dBm/MHz PSD, 28.2 dBm EIRP) in Spectrum Reponse] on channel 21 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 transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (15.8 dBm/MHz PSD, 28.8 dBm EIRP) in Spectrum Reponse] on channel 69 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 Channel

```

CT AFC_SP_AP AFCDRSA31_FrequencyChannel_20MHz_10625_1
##### 2024-08-20T04:44:45Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.50.2",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1502",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1724132630",
        "deviceDescriptor": {
          "serialNumber": "R95VA4GU000015",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "G95BGW620"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": 32.817754,
              "latitude": -96.77562
            },
            "majorAxis": 0,
            "minorAxis": 10,
            "orientation": 0
          },
          "elevation": {
            "height": 15,
            "heightType": "AGL",
            "verticalUncertainty": 10
          },
          "indoorDeployment": 1
        },
        "inquiredFrequencyRange": [
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            "lowFrequency": 5925,
            "highFrequency": 5945
          },
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "inquiredChannels": [
          {
            "globalOperatingClass": 131,
            "channelCfi": [
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              5,
              9,
              13,
              17,
              21,
              25,
              29,
              33,
              37,
              41,
              45,
              49,
            ]
          }
        ]
      }
    ]
  }
}

```

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  {  
    "globalOperatingClass": 132,  
    "channelCfi": [  
      3,  
      11,  
      19,  
      27,  
      35,  
      43,  
      51,  
      59,  
      67,  
      75,  
      83,  
      91,  
      99,  
      107,  
      115,  
      123,  
      131,  
      139,  
      147,  
      155,  
      163,  
      171,  
      179,  
      187,  
      195,  
      203,  
      211,
```

```

        219,
        227
      ]
    },
    {
      "globalOperatingClass": 133,
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        103,
        119,
        135,
        151,
        167,
        183,
        199,
        215
      ]
    },
    {
      "globalOperatingClass": 134,
      "channelCfi": [
        15,
        47,
        79,
        111,
        143,
        175,
        207
      ]
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        31,
        63,
        95,
        127,
        159,
        191
      ]
    }
  ],
  "minDesiredPower": 24
}
}
]
}
}

##### 2024-08-20T04:44:46Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 15.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 15.2
        }
      ],
      "frequencyRange": {

```

```

    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 16.7
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 20.3
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 10.3
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 21.0
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 18.9
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 10.0
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 19.9
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 12.9
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 17.4
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 16.0
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 9.1
},
{
  "frequencyRange": {
    "highFrequency": 6625,

```

```

    "lowFrequency": 6605
  },
  "maxPsd": 19.5
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 13.4
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 16.4
}
],
"availableChannelInfo": [
{
  "channelCfi": [
    17,
    21,
    25,
    29,
    49,
    53,
    57,
    61,
    81,
    85,
    89,
    93,
    129,
    133,
    137,
    141
  ],
  "globalOperatingClass": 131,
  "maxEirp": [
    28.3,
    28.2,
    29.7,
    33.3,
    23.3,
    34.0,
    31.9,
    23.0,
    32.9,
    25.9,
    30.4,
    29.0,
    22.1,
    32.5,
    26.4,
    29.4
  ]
},
{
  "channelCfi": [
    19,
    27,
    51,
    59,
    83,
    91,
    131,
    139
  ],
  "globalOperatingClass": 132,
  "maxEirp": [
    31.2,
    32.7,
    26.3,
    26.0,
    28.9,
    32.0,

```

```

        25.1,
        29.4
    ]
},
{
    "channelCfi": [
        23,
        55,
        87,
        135
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        34.2,
        29.0,
        31.9,
        28.1
    ]
}
],
"requestId": "1724132630",
"availabilityExpireTime": "2024-08-21T04:44:46Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
},
"version": "1.4"
}

##### 2024-08-20T04:48:45Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "192.168.50.2",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "1502",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "1724132870",
                "deviceDescriptor": {
                    "serialNumber": "R95VA4GU000015",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "G95BGW620"
                        }
                    ]
                }
            }
        ],
        "location": {
            "ellipse": {
                "center": {
                    "longitude": 32.817754,
                    "latitude": -96.77562
                },
                "majorAxis": 0,
                "minorAxis": 10,
                "orientation": 0
            },
            "elevation": {
                "height": 15,
                "heightType": "AGL",
                "verticalUncertainty": 10
            },
            "indoorDeployment": 1
        },
        "inquiredFrequencyRange": [
            {
                "lowFrequency": 5925,
                "highFrequency": 5945
            },
            {
                "lowFrequency": 5945,

```

```
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6525,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131,
        "channelCfi": [
          1,
          5,
          9,
          13,
          17,
          21,
          25,
          29,
          33,
          37,
          41,
          45,
          49,
          53,
          57,
          61,
          65,
          69,
          73,
          77,
          81,
          85,
          89,
          93,
          97,
          101,
          105,
          109,
          113,
          117,
          121,
          125,
          129,
          133,
          137,
          141,
          145,
          149,
          153,
          157,
          161,
          165,
          169,
          173,
          177,
          181,
          185,
          189,
          193,
          197,
          201,
          205,
          209,
          213,
          217,
          221,
          225,
          229,
          233
        ]
      }
    ],
    {
      "globalOperatingClass": 132,
      "channelCfi": [
        3,
        11,
        19,
```



```

        }
    ]
}
{
    "globalOperatingClass": 133,
    "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        103,
        119,
        135,
        151,
        167,
        183,
        199,
        215
    ],
    "globalOperatingClass": 134,
    "channelCfi": [
        15,
        47,
        79,
        111,
        143,
        175,
        207
    ],
    "globalOperatingClass": 137,
    "channelCfi": [
        31,
        63,
        95,
        127,
        159,
        191
    ],
    "minDesiredPower": 24
},
],
]
}
}
}

```

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 12.7
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 9.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 17.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 15.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 8.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 13.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
          },
          "maxPsd": 12.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6185,
            "lowFrequency": 6165
          },
          "maxPsd": 12.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6285,
            "lowFrequency": 6265
          },
          "maxPsd": 21.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6305,
            "lowFrequency": 6285
          },
          "maxPsd": 15.8
        }
      ]
    }
  ]
}
```

```

{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 21.8
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 12.1
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 17.7
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 18.7
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 18.3
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 8.5
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 14.7
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 18.2
},
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 18.9
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 14.2
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,

```

```

33,
37,
41,
45,
65,
69,
73,
77,
145,
149,
153,
157,
161,
165,
169,
173
],
"globalOperatingClass": 131,
"maxEirp": [
25.7,
22.1,
30.9,
28.5,
21.8,
26.7,
25.8,
25.4,
34.4,
28.8,
34.8,
25.1,
30.7,
31.7,
31.3,
21.5,
27.7,
31.2,
31.9,
27.2
]
},
{
"channelCfi": [
3,
11,
35,
43,
67,
75,
147,
155,
163,
171
],
"globalOperatingClass": 132,
"maxEirp": [
25.1,
31.5,
24.8,
28.4,
31.8,
28.1,
33.7,
24.5,
30.7,
30.2
]
},
{
"channelCfi": [
7,
39,
71,
151,
167
],
"globalOperatingClass": 133,
"maxEirp": [

```



```
28.1,
27.8,
31.1,
27.5,
33.2
    ]
  }
},
"requestId": "1724132870",
"availabilityExpireTime": "2024-08-21T04:48:45Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
},
"version": "1.4"
}

CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_40MHz_10626_1
##### 2024-08-20T04:58:27Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.50.2",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1502",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1724133452",
        "deviceDescriptor": {
          "serialNumber": "R95VA4GU000015",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "G95BGW620"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": 32.817754,
              "latitude": -96.77562
            },
            "majorAxis": 0,
            "minorAxis": 10,
            "orientation": 0
          },
          "elevation": {
            "height": 15,
            "heightType": "AGL",
            "verticalUncertainty": 10
          },
          "indoorDeployment": 1
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5925,
            "highFrequency": 5945
          },
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "inquiredChannels": [
          {
            "globalOperatingClass": 131,
```

```
"channelCfi": [  
  1,  
  5,  
  9,  
  13,  
  17,  
  21,  
  25,  
  29,  
  33,  
  37,  
  41,  
  45,  
  49,  
  53,  
  57,  
  61,  
  65,  
  69,  
  73,  
  77,  
  81,  
  85,  
  89,  
  93,  
  97,  
  101,  
  105,  
  109,  
  113,  
  117,  
  121,  
  125,  
  129,  
  133,  
  137,  
  141,  
  145,  
  149,  
  153,  
  157,  
  161,  
  165,  
  169,  
  173,  
  177,  
  181,  
  185,  
  189,  
  193,  
  197,  
  201,  
  205,  
  209,  
  213,  
  217,  
  221,  
  225,  
  229,  
  233  
],  
{  
  "globalOperatingClass": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    99,  
  ]  
}
```

```

    107,
    115,
    123,
    131,
    139,
    147,
    155,
    163,
    171,
    179,
    187,
    195,
    203,
    211,
    219,
    227
  ]
},
{
  "globalOperatingClass": 133,
  "channelCfi": [
    7,
    23,
    39,
    55,
    71,
    87,
    103,
    119,
    135,
    151,
    167,
    183,
    199,
    215
  ]
},
{
  "globalOperatingClass": 134,
  "channelCfi": [
    15,
    47,
    79,
    111,
    143,
    175,
    207
  ]
},
{
  "globalOperatingClass": 137,
  "channelCfi": [
    31,
    63,
    95,
    127,
    159,
    191
  ]
}
],
"minDesiredPower": 24
}
]
}
}
}

##### 2024-08-20T04:58:27Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {

```

```

        "highFrequency": 5965,
        "lowFrequency": 5945
      },
      "maxPsd": 17.7
    },
    {
      "frequencyRange": {
        "highFrequency": 5985,
        "lowFrequency": 5965
      },
      "maxPsd": 11.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6005,
        "lowFrequency": 5985
      },
      "maxPsd": 14.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
      },
      "maxPsd": 13.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
      },
      "maxPsd": 19.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
      },
      "maxPsd": 21.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
      },
      "maxPsd": 11.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
      "maxPsd": 16.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 19.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 18.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 14.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,

```



```

    "lowFrequency": 6245
  },
  "maxPsd": 12.5
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 20.1
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 18.5
},
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 13.5
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 14.3
}
],
"availableChannelInfo": [
{
  "channelCfi": [
    1,
    5,
    9,
    13,
    17,
    21,
    25,
    29,
    49,
    53,
    57,
    61,
    161,
    165,
    169,
    173
  ],
  "globalOperatingClass": 131,
  "maxEirp": [
    30.7,
    24.5,
    27.4,
    26.9,
    32.5,
    34.1,
    24.7,
    29.3,
    32.9,
    31.6,
    27.9,
    25.5,
    33.1,
    31.5,
    26.5,
    27.3
  ]
}
],
{
  "channelCfi": [
    3,
    11,
    19,

```

```

        27,
        51,
        59,
        163,
        171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        27.5,
        29.9,
        35.5,
        27.7,
        34.6,
        28.5,
        34.5,
        29.5
    ]
},
{
    "channelCfi": [
        7,
        23,
        55,
        167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        30.5,
        30.7,
        31.5,
        32.5
    ]
},
{
    "channelCfi": [
        15
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        33.5
    ]
}
],
"requestId": "1724133452",
"availabilityExpireTime": "2024-08-21T04:58:27Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
},
"version": "1.4"
}

##### 2024-08-20T05:03:14Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "192.168.50.2",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "1502",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "1724133739",
                "deviceDescriptor": {
                    "serialNumber": "R95VA4GU000015",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "G95BGW620"
                        }
                    ]
                }
            }
        ]
    },
    "location": {

```

```

    "ellipse": {
      "center": {
        "longitude": 32.817754,
        "latitude": -96.77562
      },
      "majorAxis": 0,
      "minorAxis": 10,
      "orientation": 0
    },
    "elevation": {
      "height": 15,
      "heightType": "AGL",
      "verticalUncertainty": 10
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 5945
    },
    {
      "lowFrequency": 5945,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131,
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        97,
        101,
        105,
        109,
        113,
        117,
        121,
        125,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173,
      ]
    }
  ]

```

```

177,
181,
185,
189,
193,
197,
201,
205,
209,
213,
217,
221,
225,
229,
233
]
},
{
  "globalOperatingClass": 132,
  "channelCfi": [
    3,
    11,
    19,
    27,
    35,
    43,
    51,
    59,
    67,
    75,
    83,
    91,
    99,
    107,
    115,
    123,
    131,
    139,
    147,
    155,
    163,
    171,
    179,
    187,
    195,
    203,
    211,
    219,
    227
  ]
},
{
  "globalOperatingClass": 133,
  "channelCfi": [
    7,
    23,
    39,
    55,
    71,
    87,
    103,
    119,
    135,
    151,
    167,
    183,
    199,
    215
  ]
},
{
  "globalOperatingClass": 134,
  "channelCfi": [
    15,
    47,
    79,
    111,
    143,

```



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```

    "maxPsd": 8.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 10.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 10.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 17.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 15.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 8.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 12.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 13.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 19.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 10.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 11.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 12.3
  }

```

```

    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 20.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 9.2
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        33,
        37,
        41,
        45,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        24.6,
        31.5,
        32.1,
        31.3,
        29.3,
        28.4,
        21.2,
        23.9,
        23.0,
        30.6,
        28.5,
        21.8,
        25.5,
        26.9,
        32.1,
        23.8,
        24.0,
        25.3,
        33.4,
        22.2
      ]
    },
    {
      "channelCfi": [
        35,
        43,
        67,
        75,
        83,
        91,
        131,
        139,
        147,
        155
      ],
      "globalOperatingClass": 132,

```

```

        "maxEirp": [
            27.6,
            34.3,
            31.4,
            24.2,
            26.0,
            24.8,
            28.5,
            26.8,
            27.0,
            25.2
        ]
    },
    {
        "channelCfi": [
            39,
            71,
            87,
            135,
            151
        ],
        "globalOperatingClass": 133,
        "maxEirp": [
            30.6,
            27.2,
            27.8,
            29.8,
            28.2
        ]
    },
    {
        "channelCfi": [
            79,
            143
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
            30.2,
            31.2
        ]
    }
],
"requestId": "1724133739",
"availabilityExpireTime": "2024-08-21T05:03:14Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
},
"version": "1.4"
}

```

```

CT AFC_SP_AP_AFCDRSA31 FrequencyChannel 80MHz 10627 1
##### 2024-08-20T05:17:38Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.50.2",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1502",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1724134603",
        "deviceDescriptor": {
          "serialNumber": "R95VA4GU000015",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "G95BGW620"
            }
          ]
        }
      }
    ]
  },
}

```



```
"location": {
  "ellipse": {
    "center": {
      "longitude": 32.817754,
      "latitude": -96.77562
    },
    "majorAxis": 0,
    "minorAxis": 10,
    "orientation": 0
  },
  "elevation": {
    "height": 15,
    "heightType": "AGL",
    "verticalUncertainty": 10
  },
  "indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5925,
    "highFrequency": 5945
  },
  {
    "lowFrequency": 5945,
    "highFrequency": 6425
  },
  {
    "lowFrequency": 6525,
    "highFrequency": 6875
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131,
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
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      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93,
      97,
      101,
      105,
      109,
      113,
      117,
      121,
      125,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
```

```
173,  
177,  
181,  
185,  
189,  
193,  
197,  
201,  
205,  
209,  
213,  
217,  
221,  
225,  
229,  
233  
]  
{  
  "globalOperatingClass": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    99,  
    107,  
    115,  
    123,  
    131,  
    139,  
    147,  
    155,  
    163,  
    171,  
    179,  
    187,  
    195,  
    203,  
    211,  
    219,  
    227  
  ]  
}  
{  
  "globalOperatingClass": 133,  
  "channelCfi": [  
    7,  
    23,  
    39,  
    55,  
    71,  
    87,  
    103,  
    119,  
    135,  
    151,  
    167,  
    183,  
    199,  
    215  
  ]  
}  
{  
  "globalOperatingClass": 134,  
  "channelCfi": [  
    15,  
    47,  
    79,  
    111,
```

```

        143,
        175,
        207
    ]
    },
    {
        "globalOperatingClass": 137,
        "channelCfi": [
            31,
            63,
            95,
            127,
            159,
            191
        ]
    }
],
"minDesiredPower": 24
}
}
]
}
}

##### 2024-08-20T05:17:38Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [
                {
                    "frequencyRange": {
                        "highFrequency": 5965,
                        "lowFrequency": 5945
                    },
                    "maxPsd": 14.5
                },
                {
                    "frequencyRange": {
                        "highFrequency": 5985,
                        "lowFrequency": 5965
                    },
                    "maxPsd": 17.6
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6005,
                        "lowFrequency": 5985
                    },
                    "maxPsd": 14.7
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6025,
                        "lowFrequency": 6005
                    },
                    "maxPsd": 20.7
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6125,
                        "lowFrequency": 6105
                    },
                    "maxPsd": 15.7
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6145,
                        "lowFrequency": 6125
                    },
                    "maxPsd": 17.9
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6165,
                        "lowFrequency": 6145
                    }
                }
            ]
        }
    ]
}

```

```

        },
        "maxPsd": 13.5
    },
    {
        "frequencyRange": {
            "highFrequency": 6185,
            "lowFrequency": 6165
        },
        "maxPsd": 18.0
    },
    {
        "frequencyRange": {
            "highFrequency": 6205,
            "lowFrequency": 6185
        },
        "maxPsd": 16.9
    },
    {
        "frequencyRange": {
            "highFrequency": 6225,
            "lowFrequency": 6205
        },
        "maxPsd": 11.6
    },
    {
        "frequencyRange": {
            "highFrequency": 6245,
            "lowFrequency": 6225
        },
        "maxPsd": 15.7
    },
    {
        "frequencyRange": {
            "highFrequency": 6265,
            "lowFrequency": 6245
        },
        "maxPsd": 9.3
    },
    {
        "frequencyRange": {
            "highFrequency": 6285,
            "lowFrequency": 6265
        },
        "maxPsd": 9.9
    },
    {
        "frequencyRange": {
            "highFrequency": 6305,
            "lowFrequency": 6285
        },
        "maxPsd": 11.2
    },
    {
        "frequencyRange": {
            "highFrequency": 6325,
            "lowFrequency": 6305
        },
        "maxPsd": 9.4
    },
    {
        "frequencyRange": {
            "highFrequency": 6345,
            "lowFrequency": 6325
        },
        "maxPsd": 13.7
    }
],
"availableChannelInfo": [
    {
        "channelCfi": [
            1,
            5,
            9,
            13,
            33,
            37,
            41,
            45,

```

```

49,
53,
57,
61,
65,
69,
73,
77
],
"globalOperatingClass": 131,
"maxEirp": [
27.5,
30.6,
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33.7,
28.7,
30.9,
26.5,
31.0,
29.9,
24.6,
28.7,
22.3,
22.9,
24.2,
22.4,
26.7
]
},
{
"channelCfi": [
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11,
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43,
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59,
67,
75
],
"globalOperatingClass": 132,
"maxEirp": [
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30.7,
31.7,
29.5,
27.6,
25.3,
25.9,
25.4
]
},
{
"channelCfi": [
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55,
71
],
"globalOperatingClass": 133,
"maxEirp": [
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32.5,
28.3,
28.4
]
},
{
"channelCfi": [
47
],
"globalOperatingClass": 134,
"maxEirp": [
31.3
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}
],
"requestId": "1724134603",

```

```

    "availabilityExpireTime": "2024-08-21T05:17:38Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  },
  "version": "1.4"
}

##### 2024-08-20T05:22:30Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.50.2",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1502",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1724134894",
        "deviceDescriptor": {
          "serialNumber": "R95VA4GU000015",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "G95BGW620"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": 32.817754,
              "latitude": -96.77562
            },
            "majorAxis": 0,
            "minorAxis": 10,
            "orientation": 0
          },
          "elevation": {
            "height": 15,
            "heightType": "AGL",
            "verticalUncertainty": 10
          },
          "indoorDeployment": 1
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5925,
            "highFrequency": 5945
          },
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "inquiredChannels": [
          {
            "globalOperatingClass": 131,
            "channelCfi": [
              1,
              5,
              9,
              13,
              17,
              21,
              25,
              29,
              33,
              37,

```

```
41,  
45,  
49,  
53,  
57,  
61,  
65,  
69,  
73,  
77,  
81,  
85,  
89,  
93,  
97,  
101,  
105,  
109,  
113,  
117,  
121,  
125,  
129,  
133,  
137,  
141,  
145,  
149,  
153,  
157,  
161,  
165,  
169,  
173,  
177,  
181,  
185,  
189,  
193,  
197,  
201,  
205,  
209,  
213,  
217,  
221,  
225,  
229,  
233  
]  
}  
{  
  "globalOperatingClass": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    99,  
    107,  
    115,  
    123,  
    131,  
    139,  
    147,  
    155,  
    163,  
    171,  
    179,  
    187,
```

```

        195,
        203,
        211,
        219,
        227
      ]
    },
    {
      "globalOperatingClass": 133,
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        103,
        119,
        135,
        151,
        167,
        183,
        199,
        215
      ]
    },
    {
      "globalOperatingClass": 134,
      "channelCfi": [
        15,
        47,
        79,
        111,
        143,
        175,
        207
      ]
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        31,
        63,
        95,
        127,
        159,
        191
      ]
    }
  ],
  "minDesiredPower": 24
}
}
]
}
}

##### 2024-08-20T05:22:30Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 17.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 15.6
        }
      ]
    }
  ]
}

```



```

    },
    {
      "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
      },
      "maxPsd": 8.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
      "maxPsd": 16.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 13.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 10.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 21.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 13.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 20.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 17.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 14.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 10.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 10.8
    },
  },

```

```

{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 20.2
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 20.7
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 21.0
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 17.5
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 20.8
},
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 10.9
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 12.9
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      17,
      21,
      25,
      29,
      81,
      85,
      89,
      93,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      30.1,
      28.6,

```

```

        21.0,
        29.8,
        26.8,
        23.2,
        34.8,
        26.4,
        33.1,
        30.7,
        27.0,
        23.9,
        23.8,
        33.2,
        33.7,
        34.0,
        30.5,
        33.8,
        23.9,
        25.9
    ],
    },
    {
        "channelCfi": [
            19,
            27,
            83,
            91,
            131,
            139,
            147,
            155,
            163,
            171
        ],
        "globalOperatingClass": 132,
        "maxEirp": [
            31.6,
            24.0,
            26.2,
            29.4,
            33.7,
            26.9,
            26.8,
            36.0,
            33.5,
            26.9
        ]
    },
    },
    {
        "channelCfi": [
            23,
            87,
            135,
            151,
            167
        ],
        "globalOperatingClass": 133,
        "maxEirp": [
            27.0,
            29.2,
            29.9,
            29.8,
            29.9
        ]
    },
    },
    {
        "channelCfi": [
            143
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
            32.8
        ]
    },
    },
    },
    "requestId": "1724134894",
    "availabilityExpireTime": "2024-08-21T05:22:30Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}

```



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

CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1
##### 2024-08-20T05:30:12Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.50.2",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1502",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1724135357",
        "deviceDescriptor": {
          "serialNumber": "R95VA4GU000015",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "G95BGW620"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "longitude": 32.817754,
          "latitude": -96.77562
        },
        "majorAxis": 0,
        "minorAxis": 10,
        "orientation": 0
      },
      "elevation": {
        "height": 15,
        "heightType": "AGL",
        "verticalUncertainty": 10
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5925,
        "highFrequency": 5945
      },
      {
        "lowFrequency": 5945,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6525,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131,
        "channelCfi": [
          1,
          5,
          9,
          13,
          17,
          21,
          25,
          29,
          33,
          37,
          41,

```



```
45,  
49,  
53,  
57,  
61,  
65,  
69,  
73,  
77,  
81,  
85,  
89,  
93,  
97,  
101,  
105,  
109,  
113,  
117,  
121,  
125,  
129,  
133,  
137,  
141,  
145,  
149,  
153,  
157,  
161,  
165,  
169,  
173,  
177,  
181,  
185,  
189,  
193,  
197,  
201,  
205,  
209,  
213,  
217,  
221,  
225,  
229,  
233  
]  
,  
{  
  "globalOperatingClass": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    99,  
    107,  
    115,  
    123,  
    131,  
    139,  
    147,  
    155,  
    163,  
    171,  
    179,  
    187,  
    195,
```

```

        203,
        211,
        219,
        227
    ]
},
{
    "globalOperatingClass": 133,
    "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        103,
        119,
        135,
        151,
        167,
        183,
        199,
        215
    ]
},
{
    "globalOperatingClass": 134,
    "channelCfi": [
        15,
        47,
        79,
        111,
        143,
        175,
        207
    ]
},
{
    "globalOperatingClass": 137,
    "channelCfi": [
        31,
        63,
        95,
        127,
        159,
        191
    ]
}
    ],
    "minDesiredPower": 24
}
    ]
}
}

##### 2024-08-20T05:30:12Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [
                {
                    "frequencyRange": {
                        "highFrequency": 5965,
                        "lowFrequency": 5945
                    },
                    "maxPsd": 17.7
                },
                {
                    "frequencyRange": {
                        "highFrequency": 5985,
                        "lowFrequency": 5965
                    },
                    "maxPsd": 16.8
                }
            ]
        }
    ]
}

```

```

{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 17.3
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 21.2
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 21.9
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 21.2
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 17.3
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 15.8
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 19.0
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 19.5
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 21.1
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 15.4
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 16.6
},
}

```

```

        "frequencyRange": {
          "highFrequency": 6705,
          "lowFrequency": 6685
        },
        "maxPsd": 15.9
      },
      {
        "frequencyRange": {
          "highFrequency": 6725,
          "lowFrequency": 6705
        },
        "maxPsd": 16.9
      },
      {
        "frequencyRange": {
          "highFrequency": 6745,
          "lowFrequency": 6725
        },
        "maxPsd": 9.2
      }
    ],
    "availableChannelInfo": [
      {
        "channelCfi": [
          1,
          5,
          9,
          13,
          17,
          21,
          25,
          29,
          129,
          133,
          137,
          141,
          145,
          149,
          153,
          157
        ],
        "globalOperatingClass": 131,
        "maxEirp": [
          30.7,
          29.8,
          30.3,
          34.2,
          34.9,
          34.2,
          30.3,
          28.8,
          32.0,
          32.5,
          34.1,
          28.4,
          29.6,
          28.9,
          29.9,
          22.2
        ]
      },
      {
        "channelCfi": [
          3,
          11,
          19,
          27,
          131,
          139,
          147,
          155
        ],
        "globalOperatingClass": 132,
        "maxEirp": [
          32.8,
          33.3,
          36.0,
          31.8,

```



```

        35.0,
        31.4,
        31.9,
        25.2
    ]
},
{
    "channelCfi": [
        7,
        23,
        135,
        151
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        35.8,
        34.8,
        34.4,
        28.2
    ]
},
{
    "channelCfi": [
        15,
        143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        36.0,
        31.2
    ]
}
],
"requestId": "1724135357",
"availabilityExpireTime": "2024-08-21T05:30:12Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
},
"version": "1.4"
}

##### 2024-08-20T05:33:32Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "192.168.50.2",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "1502",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "1724135557",
                "deviceDescriptor": {
                    "serialNumber": "R95VA4GU000015",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "G95BGW620"
                        }
                    ]
                }
            }
        ],
        "location": {
            "ellipse": {
                "center": {
                    "longitude": 32.817754,
                    "latitude": -96.77562
                },
                "majorAxis": 0,
                "minorAxis": 10,
                "orientation": 0
            },
            "elevation": {

```

```
"height": 15,
"heightType": "AGL",
"verticalUncertainty": 10
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
{
"lowFrequency": 5925,
"highFrequency": 5945
},
{
"lowFrequency": 5945,
"highFrequency": 6425
},
{
"lowFrequency": 6525,
"highFrequency": 6875
}
],
"inquiredChannels": [
{
"globalOperatingClass": 131,
"channelCfi": [
1,
5,
9,
13,
17,
21,
25,
29,
33,
37,
41,
45,
49,
53,
57,
61,
65,
69,
73,
77,
81,
85,
89,
93,
97,
101,
105,
109,
113,
117,
121,
125,
129,
133,
137,
141,
145,
149,
153,
157,
161,
165,
169,
173,
177,
181,
185,
189,
193,
197,
201,
205,
209,
213,
```

```
        217,  
        221,  
        225,  
        229,  
        233  
    ]  
  },  
  {  
    "globalOperatingClass": 132,  
    "channelCfi": [  
      3,  
      11,  
      19,  
      27,  
      35,  
      43,  
      51,  
      59,  
      67,  
      75,  
      83,  
      91,  
      99,  
      107,  
      115,  
      123,  
      131,  
      139,  
      147,  
      155,  
      163,  
      171,  
      179,  
      187,  
      195,  
      203,  
      211,  
      219,  
      227  
    ]  
  },  
  {  
    "globalOperatingClass": 133,  
    "channelCfi": [  
      7,  
      23,  
      39,  
      55,  
      71,  
      87,  
      103,  
      119,  
      135,  
      151,  
      167,  
      183,  
      199,  
      215  
    ]  
  },  
  {  
    "globalOperatingClass": 134,  
    "channelCfi": [  
      15,  
      47,  
      79,  
      111,  
      143,  
      175,  
      207  
    ]  
  },  
  {  
    "globalOperatingClass": 137,  
    "channelCfi": [  
      31,  
      63,  
      95,  
    ]  
  }  
}
```

```

        127,
        159,
        191
    ]
}
    ],
    "minDesiredPower": 24
}
}
}
}
}
##### 2024-08-20T05:33:32Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 14.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 9.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
          },
          "maxPsd": 13.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6185,
            "lowFrequency": 6165
          },
          "maxPsd": 19.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6205,
            "lowFrequency": 6185
          },
          "maxPsd": 21.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6225,
            "lowFrequency": 6205
          },
          "maxPsd": 8.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6245,
            "lowFrequency": 6225
          },
          "maxPsd": 18.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6265,
            "lowFrequency": 6245
          },
          "maxPsd": 16.6
        }
      ]
    }
  ]
}

```

```

        "frequencyRange": {
            "highFrequency": 6285,
            "lowFrequency": 6265
        },
        "maxPsd": 19.0
    },
    {
        "frequencyRange": {
            "highFrequency": 6305,
            "lowFrequency": 6285
        },
        "maxPsd": 20.3
    },
    {
        "frequencyRange": {
            "highFrequency": 6325,
            "lowFrequency": 6305
        },
        "maxPsd": 21.5
    },
    {
        "frequencyRange": {
            "highFrequency": 6345,
            "lowFrequency": 6325
        },
        "maxPsd": 21.6
    },
    {
        "frequencyRange": {
            "highFrequency": 6365,
            "lowFrequency": 6345
        },
        "maxPsd": 14.6
    },
    {
        "frequencyRange": {
            "highFrequency": 6385,
            "lowFrequency": 6365
        },
        "maxPsd": 18.5
    },
    {
        "frequencyRange": {
            "highFrequency": 6405,
            "lowFrequency": 6385
        },
        "maxPsd": 10.1
    },
    {
        "frequencyRange": {
            "highFrequency": 6425,
            "lowFrequency": 6405
        },
        "maxPsd": 14.6
    }
],
"availableChannelInfo": [
    {
        "channelCfi": [
            33,
            37,
            41,
            45,
            49,
            53,
            57,
            61,
            65,
            69,
            73,
            77,
            81,
            85,
            89,
            93
        ],
        "globalOperatingClass": 131,
        "maxEirp": [

```

```

    27.7,
    22.6,
    26.1,
    32.4,
    34.0,
    21.2,
    31.9,
    29.6,
    32.0,
    33.3,
    34.5,
    34.6,
    27.6,
    31.5,
    23.1,
    27.6
  ]
},
{
  "channelCfi": [
    35,
    43,
    51,
    59,
    67,
    75,
    83,
    91
  ],
  "globalOperatingClass": 132,
  "maxEirp": [
    25.6,
    29.1,
    24.2,
    32.6,
    35.0,
    36.0,
    30.6,
    26.1
  ]
},
{
  "channelCfi": [
    39,
    55,
    71,
    87
  ],
  "globalOperatingClass": 133,
  "maxEirp": [
    28.6,
    27.2,
    36.0,
    29.1
  ]
},
{
  "channelCfi": [
    47,
    79
  ],
  "globalOperatingClass": 134,
  "maxEirp": [
    30.2,
    32.1
  ]
},
{
  "channelCfi": [
    63
  ],
  "globalOperatingClass": 137,
  "maxEirp": [
    33.3
  ]
}
],
"requestId": "1724135557",

```

```

    "availabilityExpireTime": "2024-08-21T05:33:32Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  },
  "version": "1.4"
}

CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_320MHz_10715_1
##### 2024-08-20T06:58:16Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*//*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.50.2",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1502",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1724140635",
        "deviceDescriptor": {
          "serialNumber": "R95VA4GU000015",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "G95BGW620"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": 32.817754,
              "latitude": -96.77562
            },
            "majorAxis": 0,
            "minorAxis": 10,
            "orientation": 0
          },
          "elevation": {
            "height": 15,
            "heightType": "AGL",
            "verticalUncertainty": 10
          },
          "indoorDeployment": 1
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5925,
            "highFrequency": 5945
          },
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "inquiredChannels": [
          {
            "globalOperatingClass": 131,
            "channelCfi": [
              1,
              5,
              9,
              13,
              17,
              21,
              25,
              29,

```

```
33,  
37,  
41,  
45,  
49,  
53,  
57,  
61,  
65,  
69,  
73,  
77,  
81,  
85,  
89,  
93,  
97,  
101,  
105,  
109,  
113,  
117,  
121,  
125,  
129,  
133,  
137,  
141,  
145,  
149,  
153,  
157,  
161,  
165,  
169,  
173,  
177,  
181,  
185,  
189,  
193,  
197,  
201,  
205,  
209,  
213,  
217,  
221,  
225,  
229,  
233  
]  
{  
  "globalOperatingClass": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    99,  
    107,  
    115,  
    123,  
    131,  
    139,  
    147,  
    155,  
    163,  
    171,
```



```

179,
187,
195,
203,
211,
219,
227
]
},
{
  "globalOperatingClass": 133,
  "channelCfi": [
    7,
    23,
    39,
    55,
    71,
    87,
    103,
    119,
    135,
    151,
    167,
    183,
    199,
    215
  ]
},
{
  "globalOperatingClass": 134,
  "channelCfi": [
    15,
    47,
    79,
    111,
    143,
    175,
    207
  ]
},
{
  "globalOperatingClass": 137,
  "channelCfi": [
    31,
    63,
    95,
    127,
    159,
    191
  ]
},
  ],
  "minDesiredPower": 24
}
}
]
}
}

##### 2024-08-20T06:58:16Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 8.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          }
        }
      ]
    }
  ]
}

```

```

    },
    "maxPsd": 16.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 14.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 13.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 8.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 18.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 11.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 17.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 16.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 19.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 11.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 15.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
  },

```

```

    "maxPsd": 17.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 9.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 20.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 13.6
  }
],
"availableChannelInfo": [
  {
    "channelCfi": [
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      21.7,
      29.2,
      27.4,
      26.3,
      21.2,
      31.7,
      24.6,
      30.8,
      29.5,
      32.2,
      24.5,
      28.9,
      30.7,
      22.3,
      33.8,
      26.6
    ]
  },
  {
    "channelCfi": [
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
      24.7,

```

```

                29.3,
                24.2,
                27.6,
                32.5,
                27.5,
                25.3,
                29.6
            ]
        },
        {
            "channelCfi": [
                39,
                55,
                71,
                87
            ],
            "globalOperatingClass": 133,
            "maxEirp": [
                27.7,
                27.2,
                30.5,
                28.3
            ]
        },
        {
            "channelCfi": [
                47,
                79
            ],
            "globalOperatingClass": 134,
            "maxEirp": [
                30.2,
                31.3
            ]
        },
        {
            "channelCfi": [
                63
            ],
            "globalOperatingClass": 137,
            "maxEirp": [
                33.3
            ]
        }
    ],
    "requestId": "1724140635",
    "availabilityExpireTime": "2024-08-21T06:58:16Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
},
"version": "1.4"
}

##### 2024-08-20T07:04:07Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/.*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "192.168.50.2",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "1502",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "1724140987",
                "deviceDescriptor": {
                    "serialNumber": "R95VA4GU000015",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "G95BGW620"
                        }
                    ]
                }
            }
        ]
    }
}

```

```
}
  "location": {
    "ellipse": {
      "center": {
        "longitude": 32.817754,
        "latitude": -96.77562
      },
      "majorAxis": 0,
      "minorAxis": 10,
      "orientation": 0
    },
    "elevation": {
      "height": 15,
      "heightType": "AGL",
      "verticalUncertainty": 10
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 5945
    },
    {
      "lowFrequency": 5945,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131,
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        97,
        101,
        105,
        109,
        113,
        117,
        121,
        125,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
```

```
169,  
173,  
177,  
181,  
185,  
189,  
193,  
197,  
201,  
205,  
209,  
213,  
217,  
221,  
225,  
229,  
233  
    ]  
  },  
  {  
    "globalOperatingClass": 132,  
    "channelCfi": [  
      3,  
      11,  
      19,  
      27,  
      35,  
      43,  
      51,  
      59,  
      67,  
      75,  
      83,  
      91,  
      99,  
      107,  
      115,  
      123,  
      131,  
      139,  
      147,  
      155,  
      163,  
      171,  
      179,  
      187,  
      195,  
      203,  
      211,  
      219,  
      227  
    ]  
  },  
  {  
    "globalOperatingClass": 133,  
    "channelCfi": [  
      7,  
      23,  
      39,  
      55,  
      71,  
      87,  
      103,  
      119,  
      135,  
      151,  
      167,  
      183,  
      199,  
      215  
    ]  
  },  
  {  
    "globalOperatingClass": 134,  
    "channelCfi": [  
      15,  
      47,  
      79,
```

```

        111,
        143,
        175,
        207
    ]
    },
    {
        "globalOperatingClass": 137,
        "channelCfi": [
            31,
            63,
            95,
            127,
            159,
            191
        ]
    }
],
"minDesiredPower": 24
}
}
}
}
}

##### 2024-08-20T07:04:07Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [
                {
                    "frequencyRange": {
                        "highFrequency": 5965,
                        "lowFrequency": 5945
                    },
                    "maxPsd": 13.7
                },
                {
                    "frequencyRange": {
                        "highFrequency": 5985,
                        "lowFrequency": 5965
                    },
                    "maxPsd": 14.8
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6005,
                        "lowFrequency": 5985
                    },
                    "maxPsd": 15.5
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6025,
                        "lowFrequency": 6005
                    },
                    "maxPsd": 9.0
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6045,
                        "lowFrequency": 6025
                    },
                    "maxPsd": 10.1
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6065,
                        "lowFrequency": 6045
                    },
                    "maxPsd": 18.8
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6085,

```

```

        "lowFrequency": 6065
      },
      "maxPsd": 12.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
      "maxPsd": 21.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6125,
        "lowFrequency": 6105
      },
      "maxPsd": 17.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 11.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 21.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 22.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 13.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 11.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 20.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 11.0
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,

```



```

        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
        26.7,
        27.8,
        28.5,
        22.0,
        23.1,
        31.8,
        25.7,
        34.0,
        30.2,
        24.2,
        34.6,
        35.0,
        26.4,
        24.6,
        33.6,
        24.0
    ]
},
{
    "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        51,
        59
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        29.7,
        25.0,
        26.1,
        28.7,
        27.2,
        36.0,
        27.6,
        27.0
    ]
},
{
    "channelCfi": [
        7,
        23,
        39,
        55
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        28.0,
        29.1,
        30.2,
        30.0
    ]
},
{
    "channelCfi": [
        15,
        47
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        31.0,
        33.0
    ]
}

```

```

    },
    {
      "channelCfi": [
        31
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        34.1
      ]
    }
  ],
  "requestId": "1724140987",
  "availabilityExpireTime": "2024-08-21T07:04:07Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
},
"version": "1.4"
}

CT_AFC_SP_AP_AFCDUSA32_FrequencyChannel_10629_1
##### 2024-08-20T05:50:04Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*//*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.50.2",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1502",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1724136549",
        "deviceDescriptor": {
          "serialNumber": "R95VA4GU000015",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "G95BGW620"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "longitude": 32.817754,
          "latitude": -96.77562
        },
        "majorAxis": 0,
        "minorAxis": 10,
        "orientation": 0
      },
      "elevation": {
        "height": 15,
        "heightType": "AGL",
        "verticalUncertainty": 10
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5925,
        "highFrequency": 5945
      },
      {
        "lowFrequency": 5945,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6525,
        "highFrequency": 6875
      }
    ]
  }
},
],

```

```
"inquiredChannels": [  
  {  
    "globalOperatingClass": 131,  
    "channelCfi": [  
      1,  
      5,  
      9,  
      13,  
      17,  
      21,  
      25,  
      29,  
      33,  
      37,  
      41,  
      45,  
      49,  
      53,  
      57,  
      61,  
      65,  
      69,  
      73,  
      77,  
      81,  
      85,  
      89,  
      93,  
      97,  
      101,  
      105,  
      109,  
      113,  
      117,  
      121,  
      125,  
      129,  
      133,  
      137,  
      141,  
      145,  
      149,  
      153,  
      157,  
      161,  
      165,  
      169,  
      173,  
      177,  
      181,  
      185,  
      189,  
      193,  
      197,  
      201,  
      205,  
      209,  
      213,  
      217,  
      221,  
      225,  
      229,  
      233  
    ],  
  },  
  {  
    "globalOperatingClass": 132,  
    "channelCfi": [  
      3,  
      11,  
      19,  
      27,  
      35,  
      43,  
      51,  
      59,  
      67,  
      75,  
    ]  
  }  
]
```

```

83,
91,
99,
107,
115,
123,
131,
139,
147,
155,
163,
171,
179,
187,
195,
203,
211,
219,
227
]
},
{
  "globalOperatingClass": 133,
  "channelCfi": [
    7,
    23,
    39,
    55,
    71,
    87,
    103,
    119,
    135,
    151,
    167,
    183,
    199,
    215
  ]
},
{
  "globalOperatingClass": 134,
  "channelCfi": [
    15,
    47,
    79,
    111,
    143,
    175,
    207
  ]
},
{
  "globalOperatingClass": 137,
  "channelCfi": [
    31,
    63,
    95,
    127,
    159,
    191
  ]
}
},
  "minDesiredPower": 24
}
}
}
}
}
##### 2024-08-20T05:50:04Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      }
    }
  ]
}

```

```

    "availableFrequencyInfo": [],
    "availableChannelInfo": [],
    "requestId": "1724136549",
    "availabilityExpireTime": "2024-08-21T05:50:04Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
},
"version": "1.4"
}

CT_AFC_SP_AP_AFCDSAU33_FrequencyChannel_10630_1
##### 2024-08-20T05:57:52Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.50.2",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1502",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1724137017",
        "deviceDescriptor": {
          "serialNumber": "R95VA4GU000015",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "G95BGW620"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": 32.817754,
              "latitude": -96.77562
            },
            "majorAxis": 0,
            "minorAxis": 10,
            "orientation": 0
          },
          "elevation": {
            "height": 15,
            "heightType": "AGL",
            "verticalUncertainty": 10
          },
          "indoorDeployment": 1
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5925,
            "highFrequency": 5945
          },
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "inquiredChannels": [
          {
            "globalOperatingClass": 131,
            "channelCfi": [
              1,
              5,
              9,
              13,
              17,

```

```
21,  
25,  
29,  
33,  
37,  
41,  
45,  
49,  
53,  
57,  
61,  
65,  
69,  
73,  
77,  
81,  
85,  
89,  
93,  
97,  
101,  
105,  
109,  
113,  
117,  
121,  
125,  
129,  
133,  
137,  
141,  
145,  
149,  
153,  
157,  
161,  
165,  
169,  
173,  
177,  
181,  
185,  
189,  
193,  
197,  
201,  
205,  
209,  
213,  
217,  
221,  
225,  
229,  
233  
]  
{  
  "globalOperatingClass": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    99,  
    107,  
    115,  
    123,  
    131,  
    139,  
    147,
```

```

155,
163,
171,
179,
187,
195,
203,
211,
219,
227
    ]
  },
  {
    "globalOperatingClass": 133,
    "channelCfi": [
      7,
      23,
      39,
      55,
      71,
      87,
      103,
      119,
      135,
      151,
      167,
      183,
      199,
      215
    ]
  },
  {
    "globalOperatingClass": 134,
    "channelCfi": [
      15,
      47,
      79,
      111,
      143,
      175,
      207
    ]
  },
  {
    "globalOperatingClass": 137,
    "channelCfi": [
      31,
      63,
      95,
      127,
      159,
      191
    ]
  }
],
"minDesiredPower": 24
}
]
}
}

##### 2024-08-20T05:57:52Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 19.9
        }
      ]
    }
  ]
}

```

```

    "frequencyRange": {
      "highFrequency": 5985,
      "lowFrequency": 5965
    },
    "maxPsd": 13.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6005,
      "lowFrequency": 5985
    },
    "maxPsd": 16.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6025,
      "lowFrequency": 6005
    },
    "maxPsd": 9.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 9.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 15.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 11.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 10.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 17.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 19.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 18.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 10.1
  },
  {
    "frequencyRange": {

```



```

        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 8.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 12.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 8.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 14.4
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        161,
        165,
        169,
        173
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        32.9,
        26.4,
        29.5,
        22.1,
        22.9,
        28.3,
        24.4,
        23.2,
        30.6,
        32.0,
        31.0,
        23.1,
        21.6,
        25.2,
        21.6,
        27.4
      ]
    },
    {
      "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        163,
        171
      ]
    }
  ]

```

```

        "globalOperatingClass": 132,
        "maxEirp": [
            29.4,
            25.1,
            25.9,
            26.2,
            33.6,
            26.1,
            24.6,
            24.6
        ]
    },
    {
        "channelCfi": [
            7,
            23,
            39,
            167
        ],
        "globalOperatingClass": 133,
        "maxEirp": [
            28.1,
            28.9,
            29.1,
            27.6
        ]
    },
    {
        "channelCfi": [
            15
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
            31.1
        ]
    }
],
"requestId": "1724137017",
"availabilityExpireTime": "2024-08-21T05:57:52Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
},
"version": "1.4"
}

```

```

CT_AFC_SP_AP_AFCDUUAU34_FrequencyChannel_10631_1
##### 2024-08-20T06:28:12Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.50.2",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1502",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1724138859",
        "deviceDescriptor": {
          "serialNumber": "R95VA4GU000015",
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[illegible]

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AFC capability - Inquired Frequency & Channel

AFCD.RSA: Successful registration and spectrum access request											
Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Antenna Gain (dBi)	Power (dBm)	EIRP (dBm)	AFC Response Limit (dBm)	Result	PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
5975	LPI	20	5.5	1.08	6.58	-	N/A	-12.46	-6.96	5	Pass
6055	SP	20	5.5	21.81	27.31	28.2	Pass	8.35	14.6	15.2	Pass
6295	SP	20	5.5	22.67	28.17	28.8	Pass	9.05	11.3	15.8	Pass
5965	LPI	40	5.5	6.78	12.28	-	N/A	-9.60	-4.1	5	Pass
6045	SP	40	5.5	21.71	27.21	35.5	Pass	5.39	10.89	19.5	Pass
6285	SP	40	5.5	22.22	27.72	31.4	Pass	5.85	11.35	15.4	Pass
5985	LPI	80	5.5	9.81	15.31	-	N/A	-9.66	-4.16	5	Pass
6145	SP	80	5.5	21.89	27.39	32.5	Pass	2.74	8.24	13.5	Pass
6385	SP	80	5.5	21.08	26.58	29.2	Pass	1.86	7.36	10.2	Pass
6025	LPI	160	5.5	12.07	17.57	-	N/A	-9.49	-3.99	5	Pass
6665	SP	160	4.96	21.11	26.07	31.2	Pass	-1.13	3.83	9.2	Pass
6185	SP	160	5.5	20.83	26.33	30.2	Pass	-1.37	4.13	8.2	Pass
6105	LPI	320	5.5	16.22	21.72	-	N/A	-8.41	-2.91	5	Pass
6265	SP	320	5.5	20.83	26.33	33.3	Pass	-1.71	3.79	8.2	Pass
6105	SP	320	5.5	20.74	26.24	34.1	Pass	-3.78	1.72	9	Pass

AFCD.USA: Unsuccessful spectrum access request											
Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Antenna Gain (dBi)	Power (dBm)	EIRP (dBm)	AFC Response Limit (dBm)	Result	PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
6055	LPI	20	5.5	3.78	9.28	-	N/A	-9.65	-4.15	5	Pass
5975	LPI	20	5.5	1.98	7.48	-	N/A	-11.56	-6.06	5	Pass

AFCD.SAU: Successful spectrum access update											
Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Antenna Gain (dBi)	Power (dBm)	EIRP (dBm)	AFC Response Limit (dBm)	Result	PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
5975	LPI	20	5.5	1.96	7.46	-	N/A	-11.63	-6.13	5	Pass
5975	SP	20	5.5	20.42	25.92	26.4	Pass	6.84	12.34	13.4	Pass
5975	LPI	20	5.5	1.06	6.56	-	N/A	-12.49	-6.99	5	Pass

AFCD.UAU: Unsuccessful spectrum access update											
Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Antenna Gain (dBi)	Power (dBm)	EIRP (dBm)	AFC Response Limit (dBm)	Result	PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
5975	LPI	20	5.5	1.00	6.5	-	N/A	-12.48	-6.98	5	Pass
6055	SP	20	5.5	21.67	27.17	36	Pass	8.22	13.72	23	Pass
5975	LPI	20	5.5	1.02	6.52	-	N/A	-12.52	-7.02	5	Pass

AFC capability - Inquired Channel

CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_20MHz_10625_1

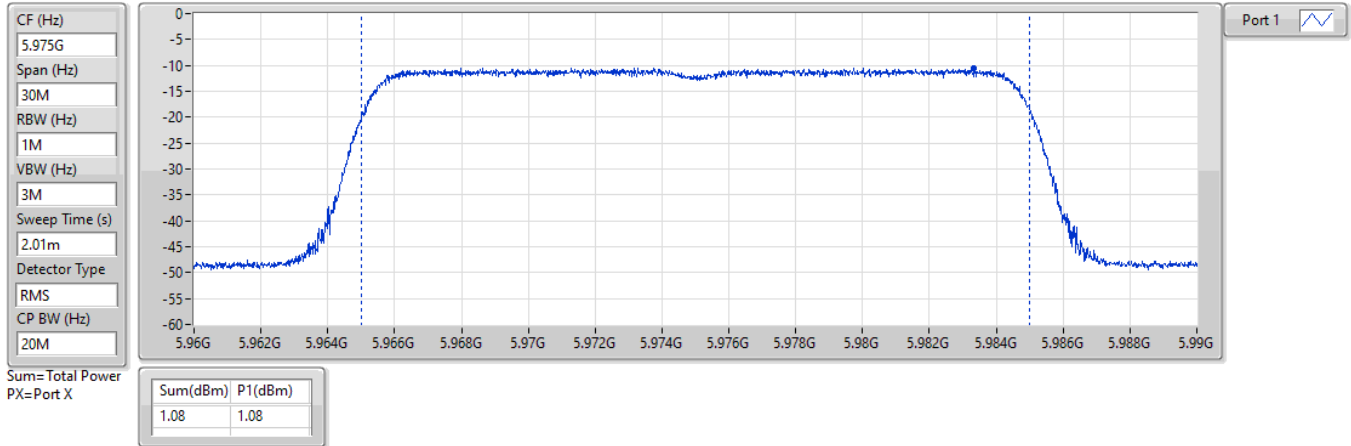
Frequency (MHz): 5975

5.925-6.425GHz_802.11be EHT20 LPI_1TX

AV Power

5975MHz_TX

19/08/2024

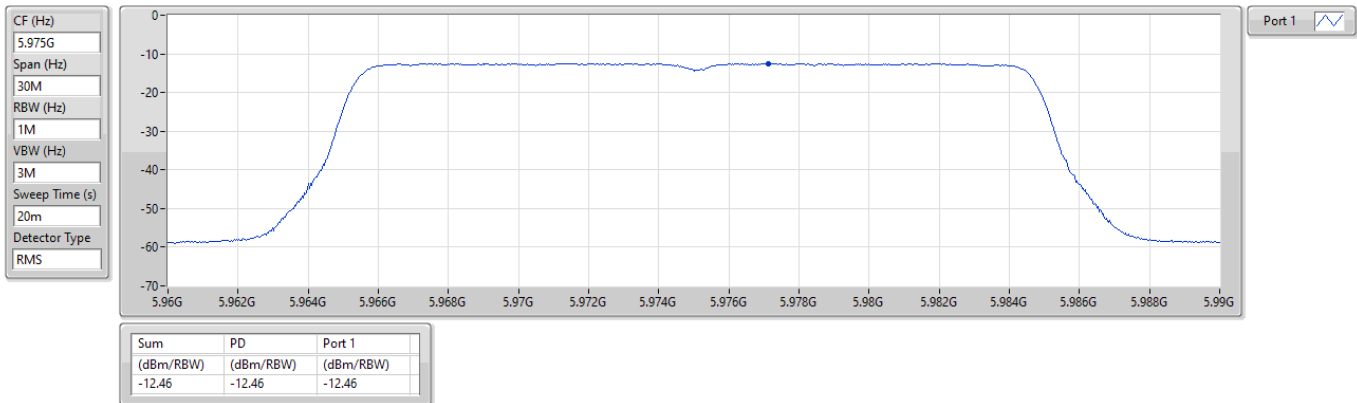


5.925-6.425GHz_802.11be EHT20 LPI_1TX

PSD

5975MHz

19/08/2024



Frequency (MHz): 6055

5.925-6.425GHz_802.11be EHT20 SP_1TX

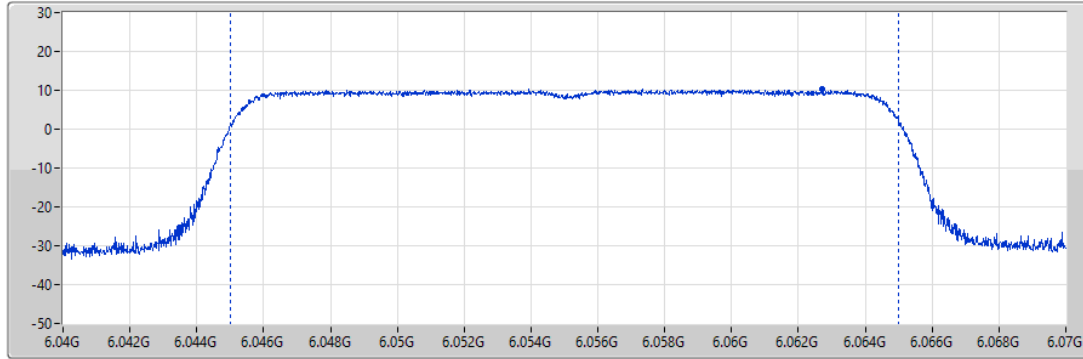
AV Power

6055MHz_TX

19/08/2024

CF (Hz)
6.055G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
2.01m
Detector Type
RMS
CP BW (Hz)
20M

Sum= Total Power
PX=Port X



Port 1

Sum(dBm)	P1(dBm)
21.81	21.81

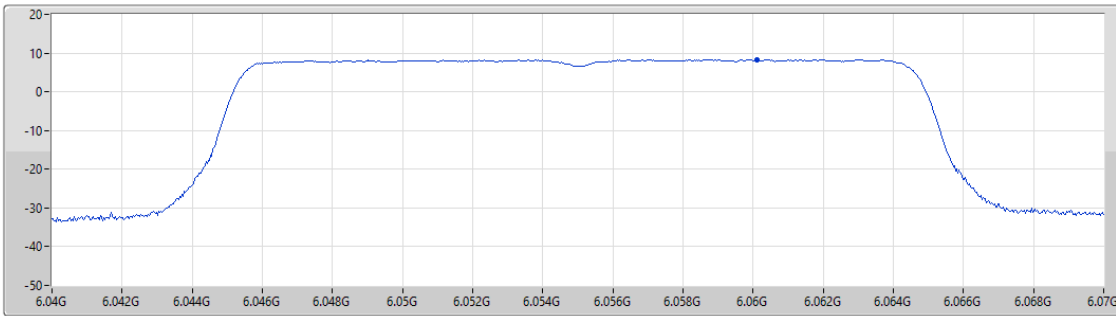
5.925-6.425GHz_802.11be EHT20 SP_1TX

PSD

6055MHz

19/08/2024

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



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.35	8.35	8.35

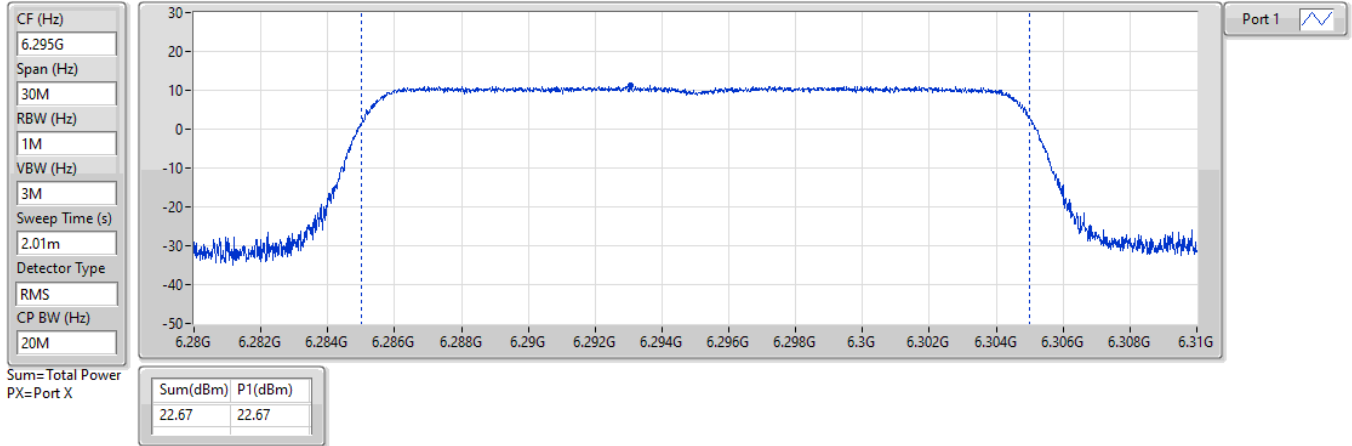
Frequency (MHz): 6295

5.925-6.425GHz_802.11be EHT20 SP_1TX

AV Power

6295MHz_TX

19/08/2024

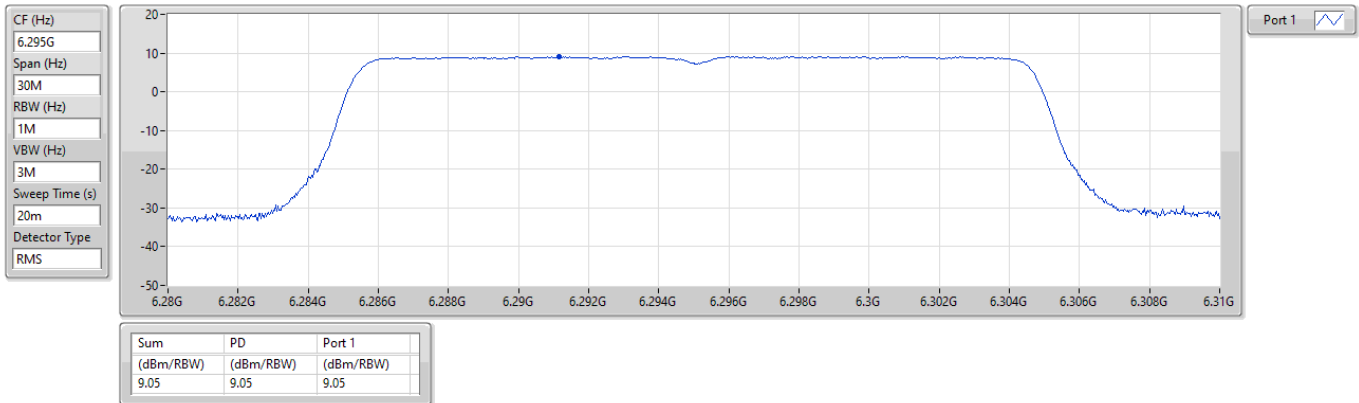


5.925-6.425GHz_802.11be EHT20 SP_1TX

PSD

6295MHz

19/08/2024



CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_40MHz_10626_1

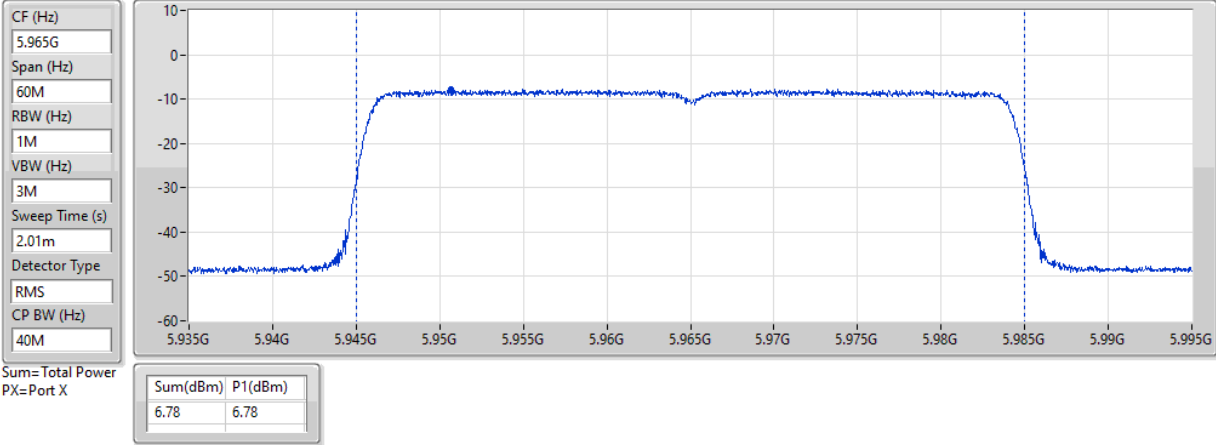
Frequency (MHz): 5965

5.925-6.425GHz_802.11be EHT40 LPI_1TX

AV Power

5965MHz_TX

19/08/2024

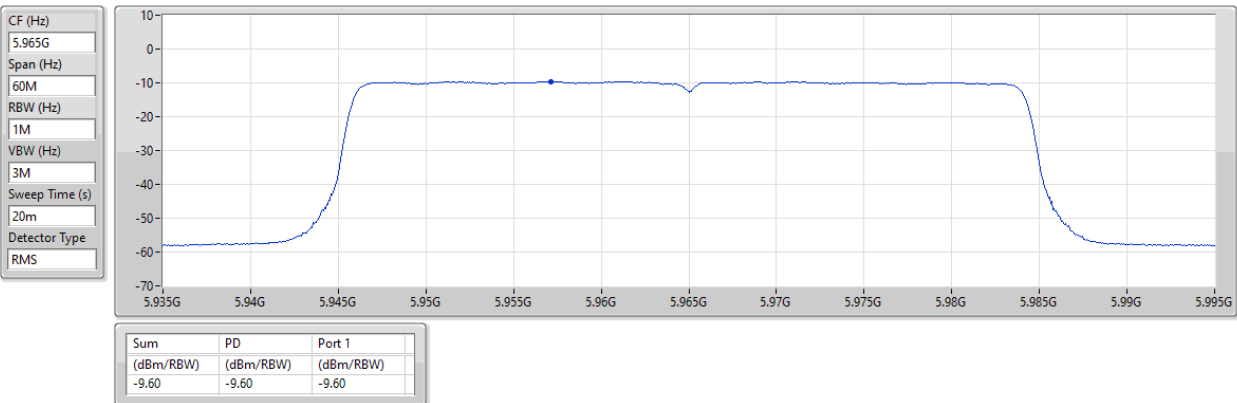


5.925-6.425GHz_802.11be EHT40 LPI_1TX

PSD

5965MHz

19/08/2024





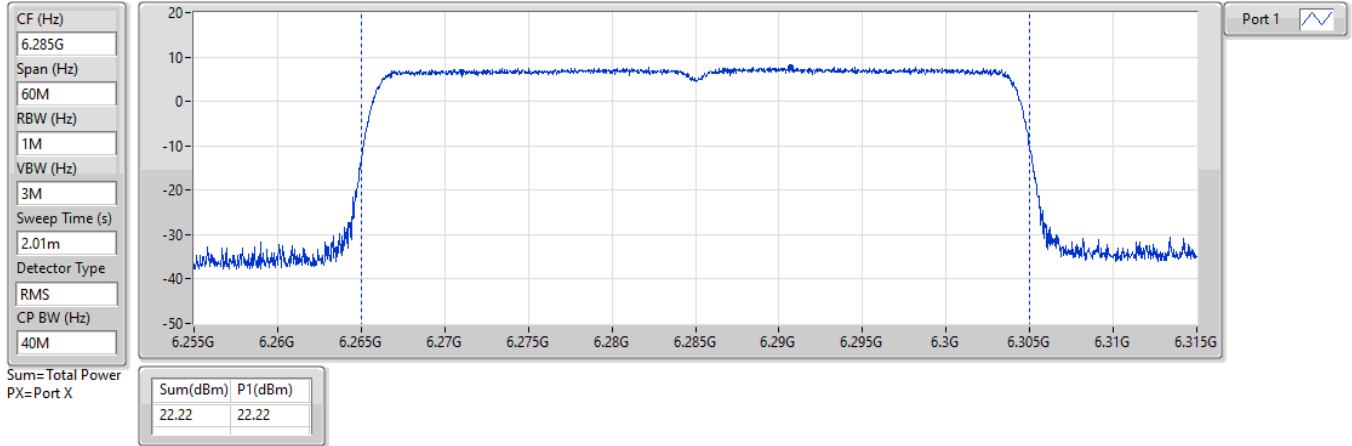
Frequency (MHz): 6285

5.925-6.425GHz_802.11be EHT40 SP_1TX

AV Power

6285MHz_TX

19/08/2024

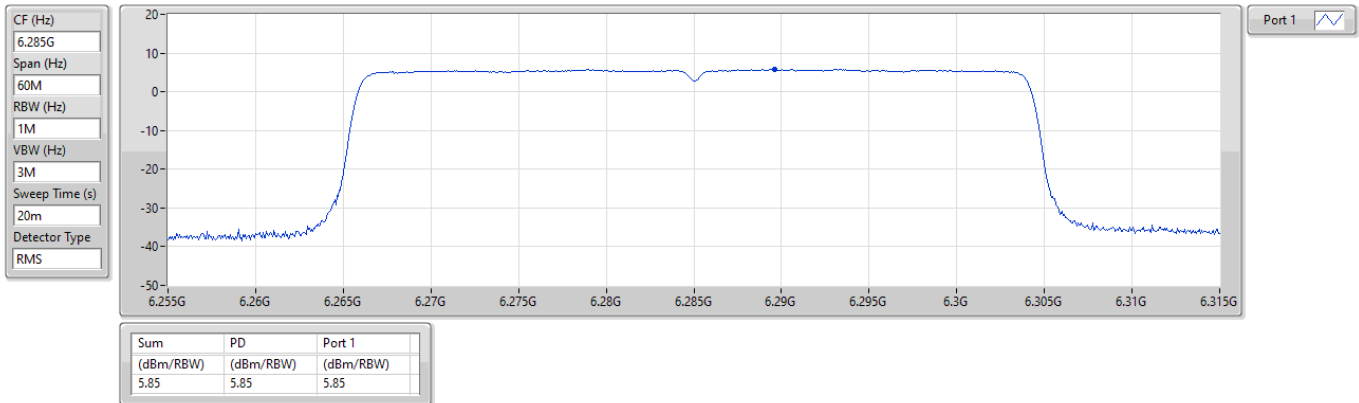


5.925-6.425GHz_802.11be EHT40 SP_1TX

PSD

6285MHz

19/08/2024



CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_80MHz_10627_1

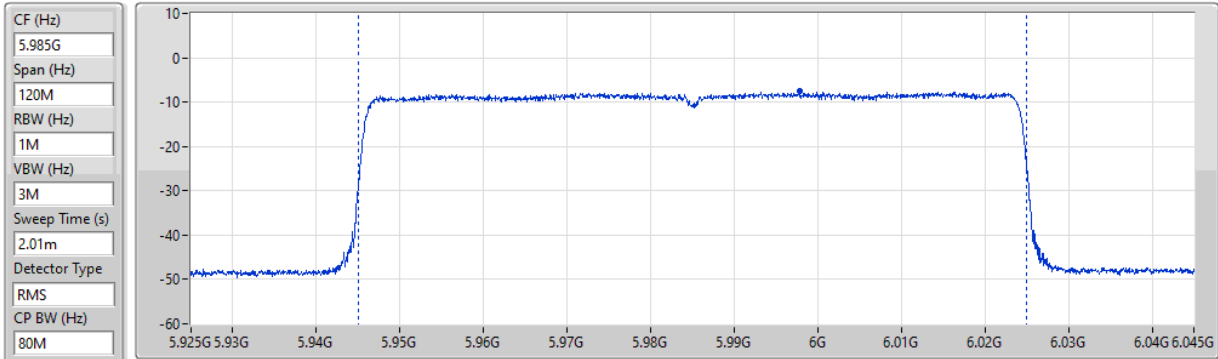
Frequency (MHz): 5985

5.925-6.425GHz_802.11be EHT80 LPI_1TX

AV Power

5985MHz_TX

19/08/2024



Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
9.81	9.81

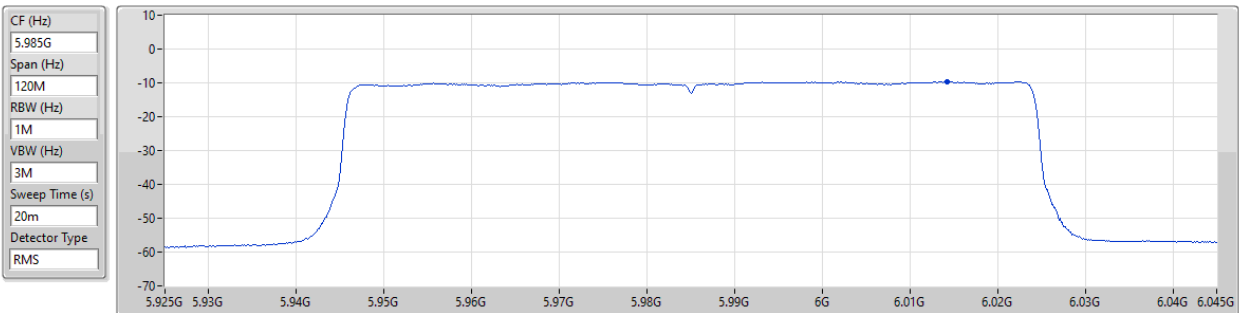
Port 1

5.925-6.425GHz_802.11be EHT80 LPI_1TX

PSD

5985MHz

19/08/2024



Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)
-9.66	-9.66	-9.66

Port 1

Frequency (MHz): 6145

5.925-6.425GHz_802.11be EHT80 SP_1TX

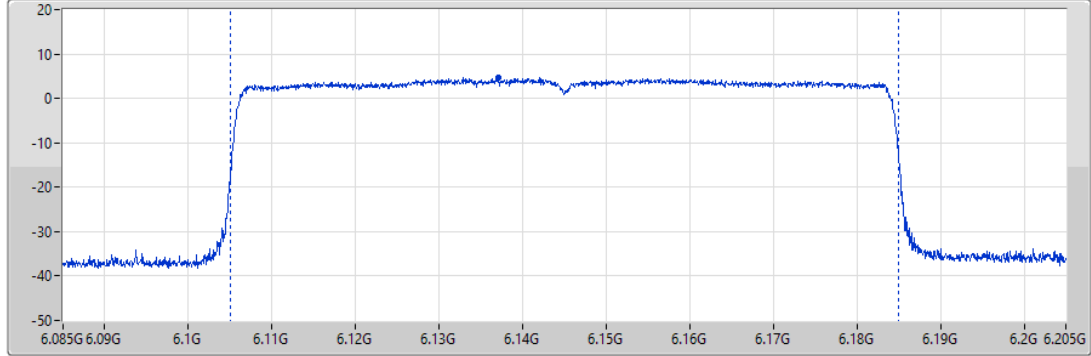
AV Power

6145MHz_TX

19/08/2024

CF (Hz)
6.145G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
2.01m
Detector Type
RMS
CP BW (Hz)
80M

Sum= Total Power
PX=Port X



Sum(dBm)	P1(dBm)
21.89	21.89

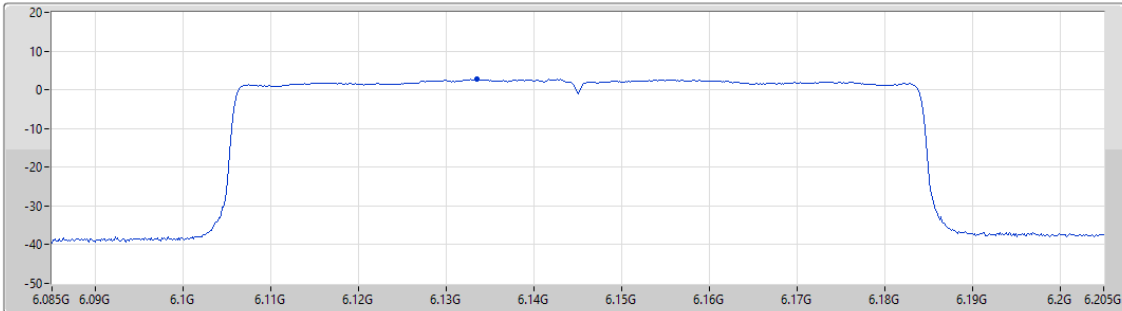
5.925-6.425GHz_802.11be EHT80 SP_1TX

PSD

6145MHz

19/08/2024

CF (Hz)
6.145G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.74	2.74	2.74

Frequency (MHz): 6385

5.925-6.425GHz_802.11be EHT80 SP_1TX

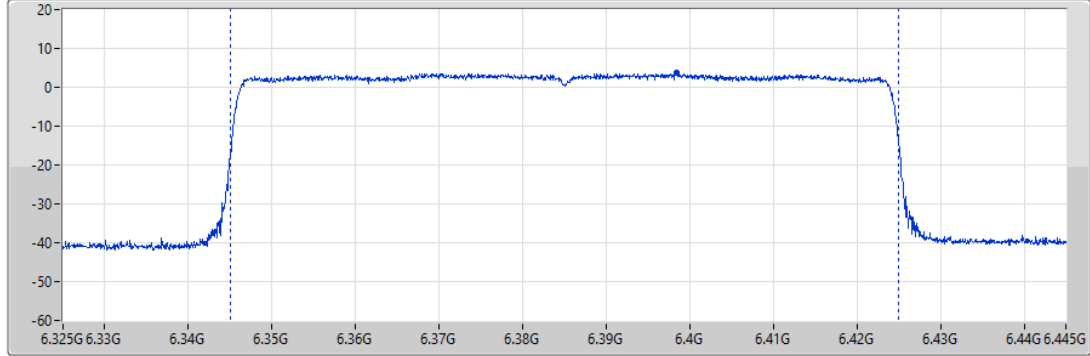
AV Power

6385MHz_TX

19/08/2024

CF (Hz)
6.385G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
2.01m
Detector Type
RMS
CP BW (Hz)
80M

Sum= Total Power
PX=Port X



Sum(dBm)	P1(dBm)
21.08	21.08

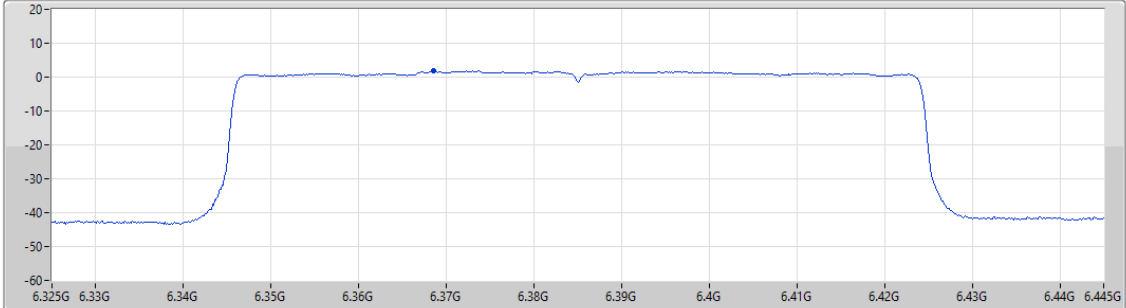
5.925-6.425GHz_802.11be EHT80 SP_1TX

PSD

6385MHz

19/08/2024

CF (Hz)
6.385G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.86	1.86	1.86

CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1

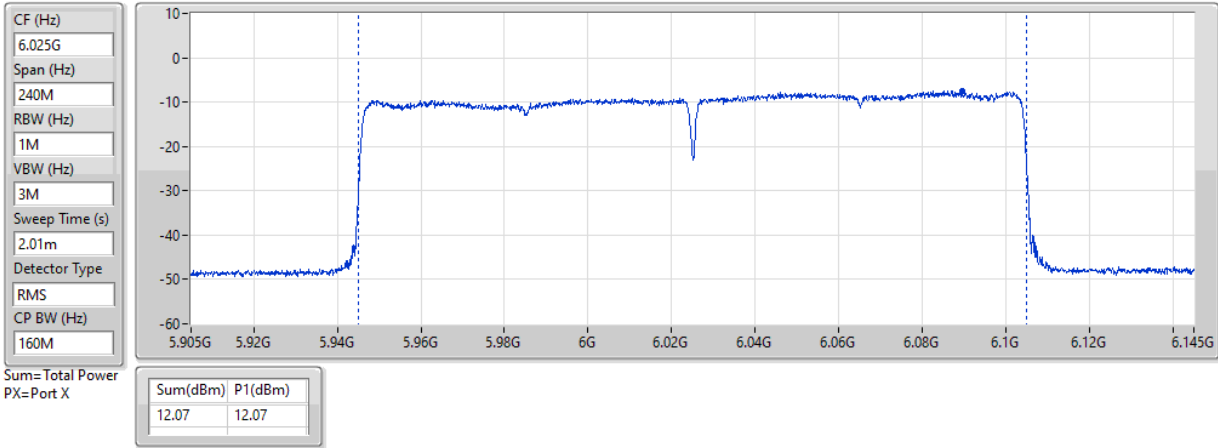
Frequency (MHz): 6025

5.925-6.425GHz_802.11be EHT160 LPI_1TX

AV Power

6025MHz_TX

19/08/2024

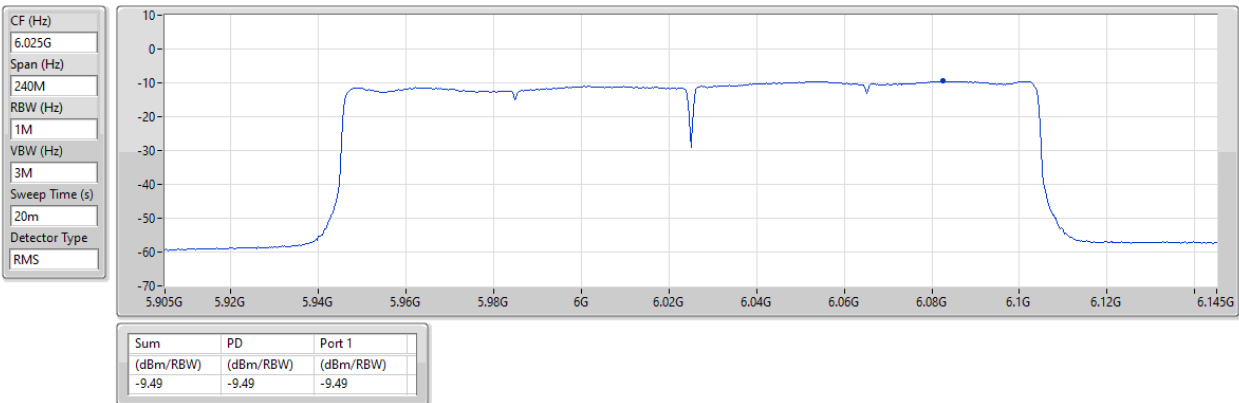


5.925-6.425GHz_802.11be EHT160 LPI_1TX

PSD

6025MHz

19/08/2024



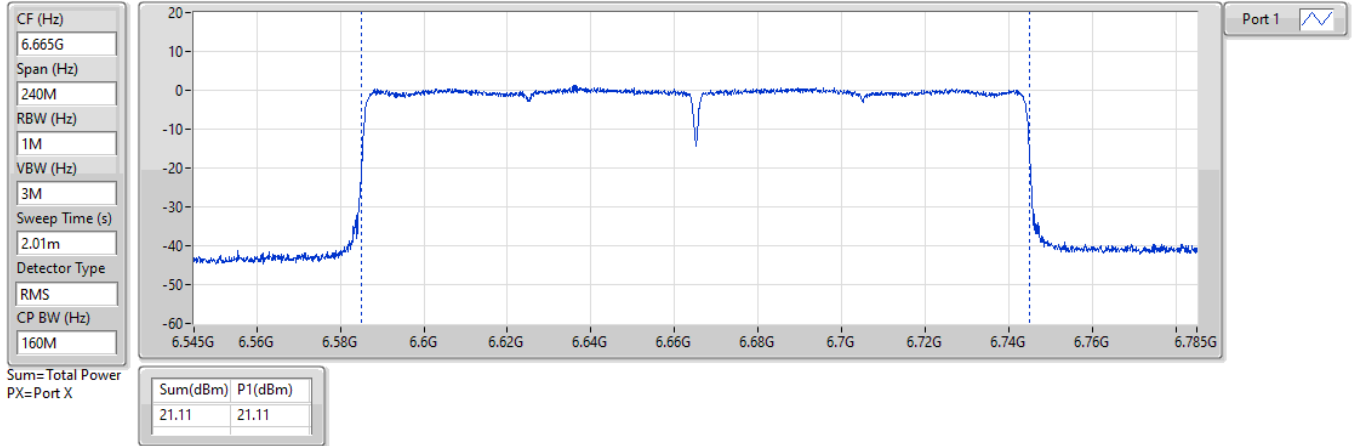
Frequency (MHz): 6665

6.525-6.875GHz_802.11be EHT160 SP_1TX

AV Power

6665MHz_TX

19/08/2024

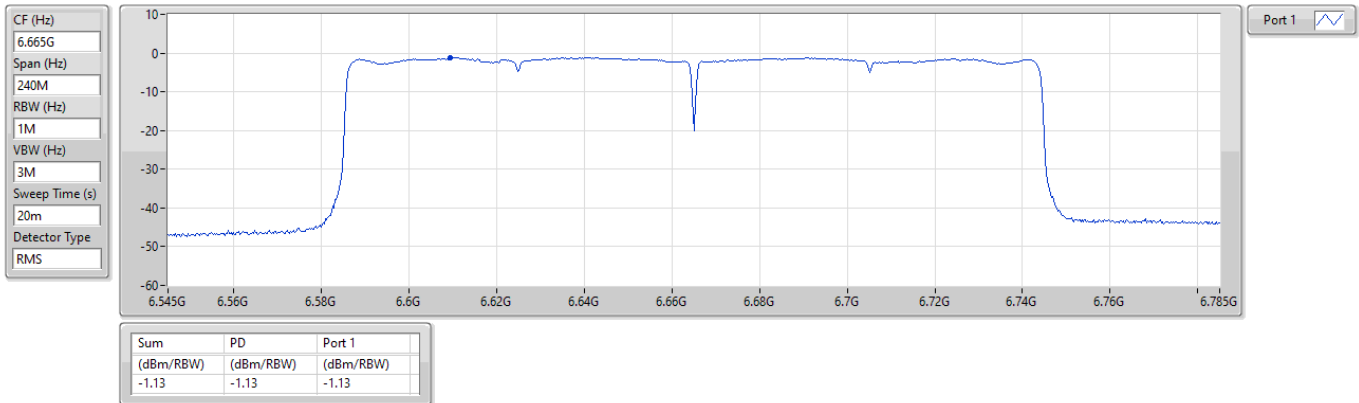


6.525-6.875GHz_802.11be EHT160 SP_1TX

PSD

6665MHz

19/08/2024



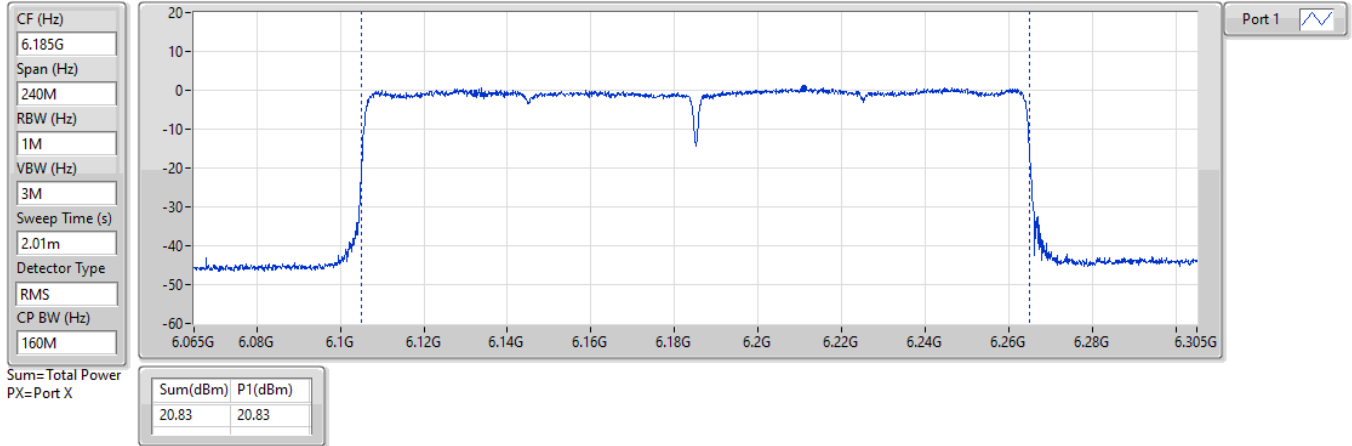
Frequency (MHz): 6185

5.925-6.425GHz_802.11be EHT160 SP_1TX

AV Power

6185MHz_TX

19/08/2024

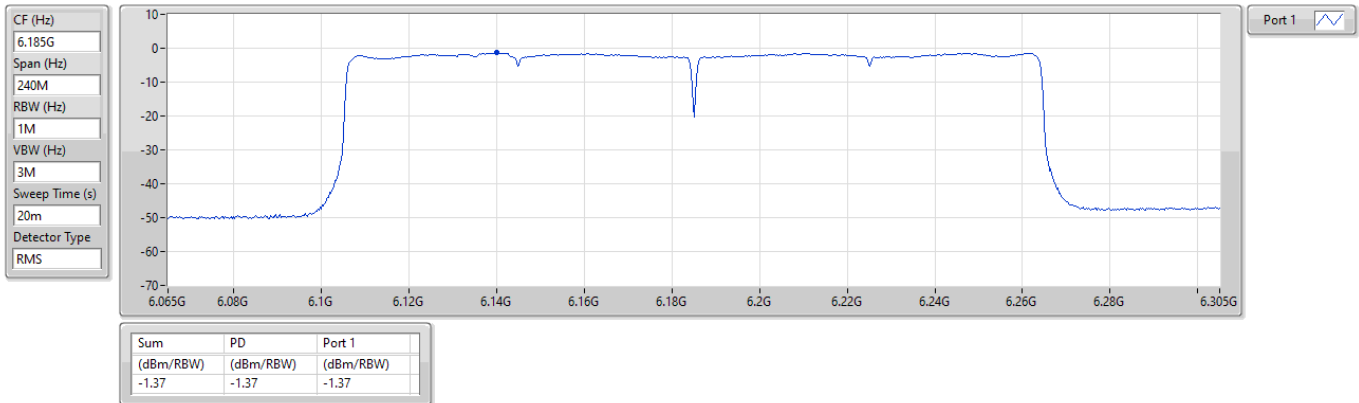


5.925-6.425GHz_802.11be EHT160 SP_1TX

PSD

6185MHz

19/08/2024



CT_AFC_SP_AP_AFCRSA31_FrequencyChannel_320MHz_10715_1

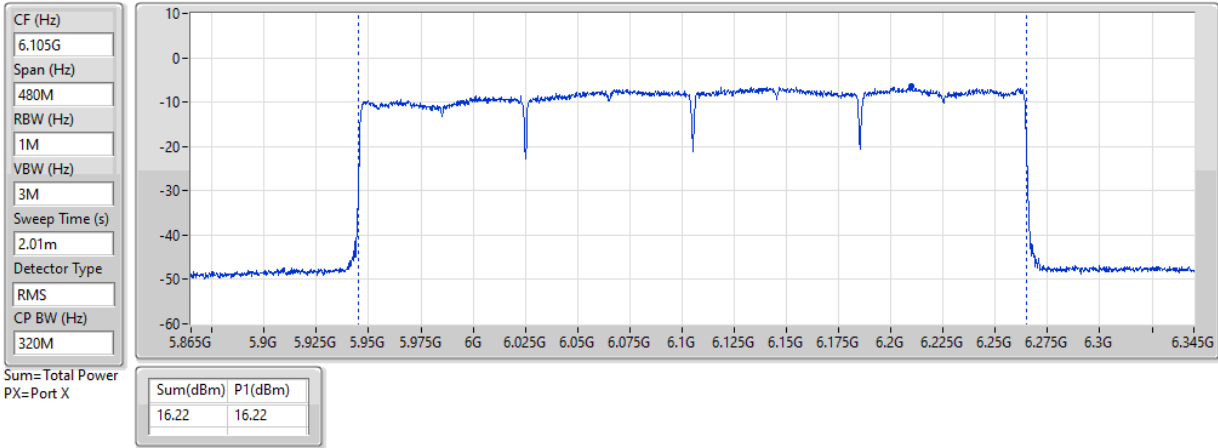
Frequency (MHz): 6105

5.925-6.425GHz_802.11be EHT320 LPI_1TX

AV Power

6105MHz_TX

19/08/2024

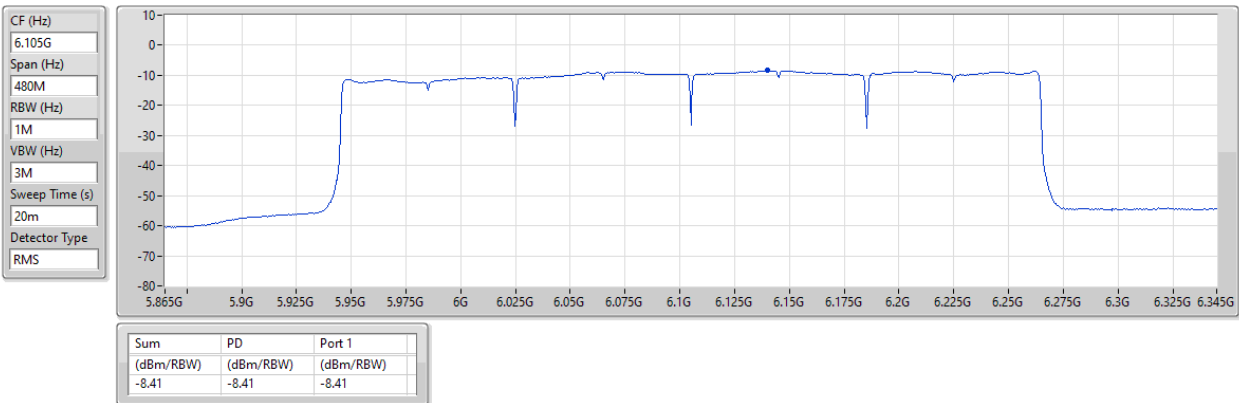


5.925-6.425GHz_802.11be EHT320 LPI_1TX

PSD

6105MHz

19/08/2024



Frequency (MHz): 6265

5.925-6.425GHz_802.11be EHT320 SP_1TX

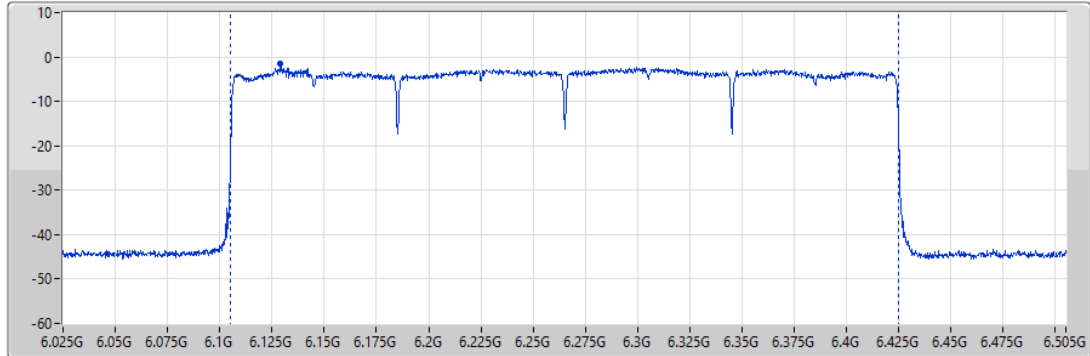
AV Power

6265MHz_TX

19/08/2024

CF (Hz)
6.265G
Span (Hz)
480M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
2.01m
Detector Type
RMS
CP BW (Hz)
320M

Sum= Total Power
PX=Port X



Port 1

Sum(dBm)	P1(dBm)
20.83	20.83

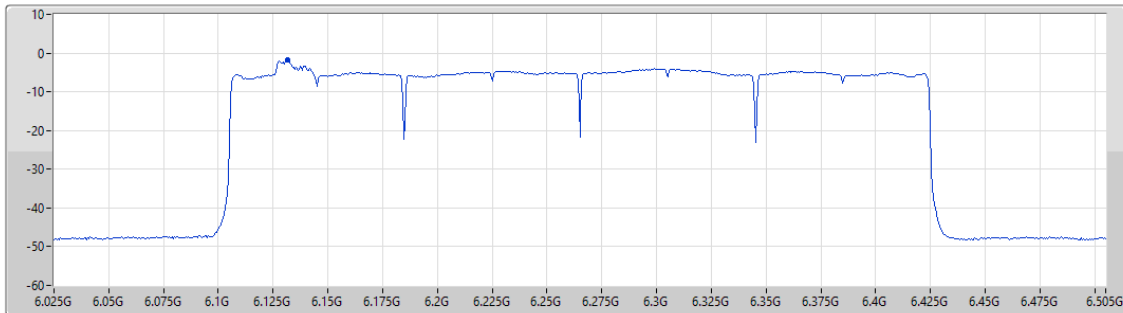
5.925-6.425GHz_802.11be EHT320 SP_1TX

PSD

6265MHz

19/08/2024

CF (Hz)
6.265G
Span (Hz)
480M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.71	-1.71	-1.71

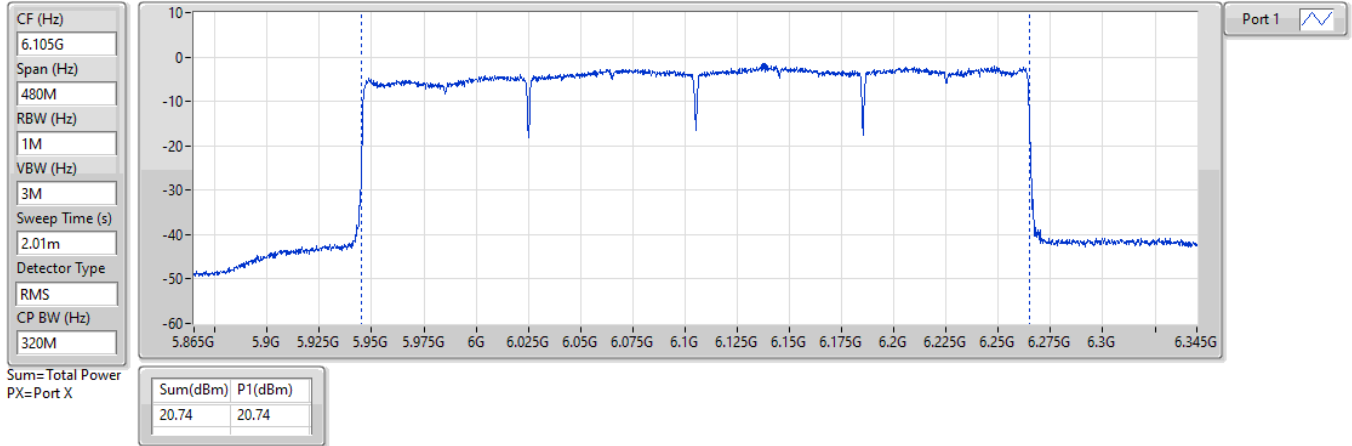
Frequency (MHz): 6105

5.925-6.425GHz_802.11be EHT320 SP_1TX

AV Power

6105MHz_TX

19/08/2024

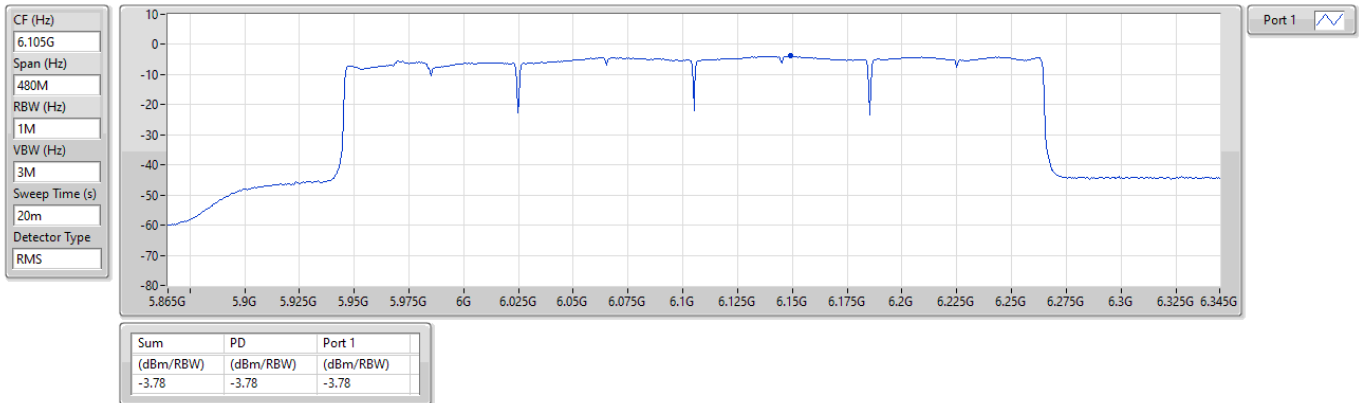


5.925-6.425GHz_802.11be EHT320 SP_1TX

PSD

6105MHz

19/08/2024



CT_AFC_SP_AP_AFCDUSA32_FrequencyChannel_10629_1

Bandwidth: 20MHz

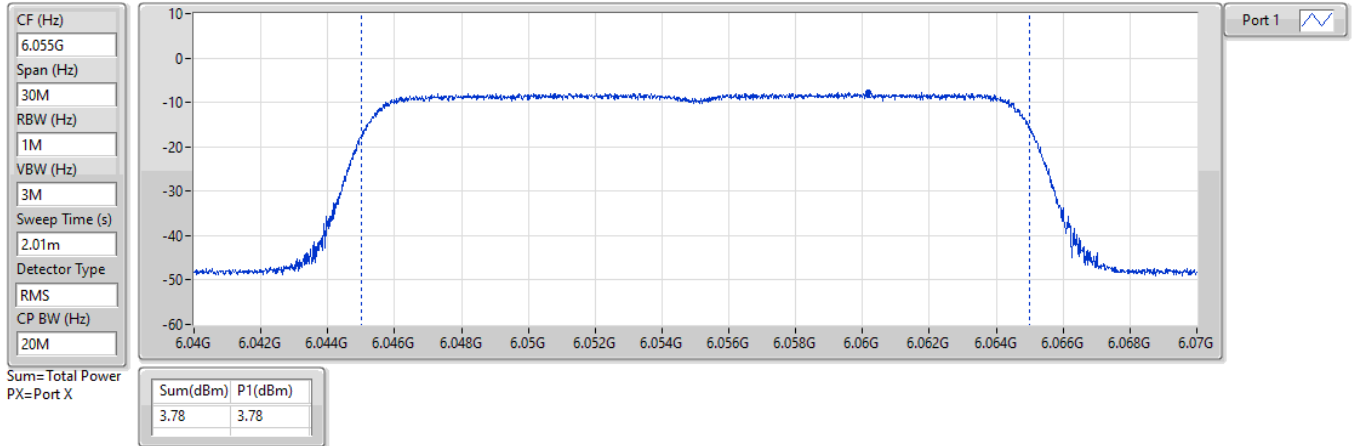
Frequency (MHz): 6055

5.925-6.425GHz_802.11be EHT20 LPI_1TX

AV Power

6055MHz_TX

19/08/2024

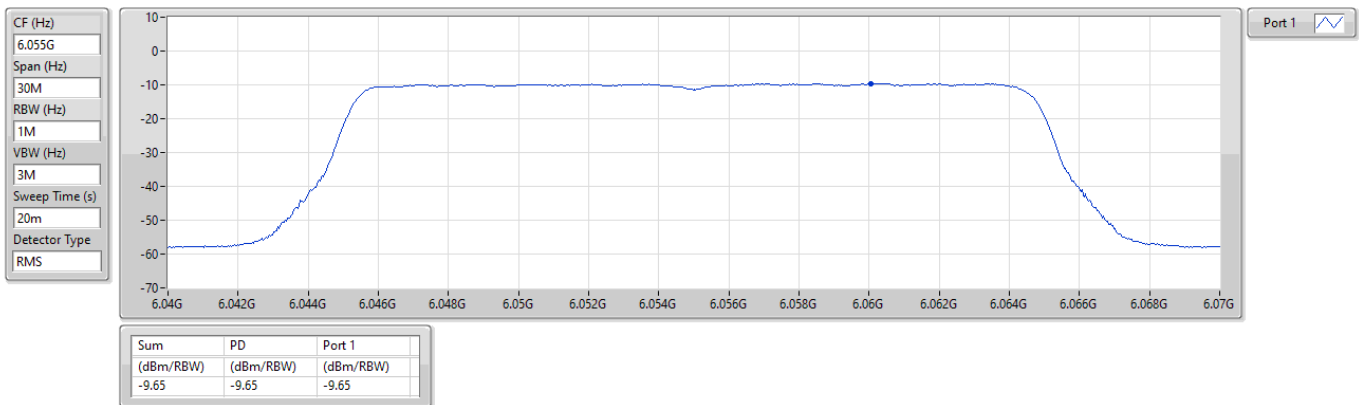


5.925-6.425GHz_802.11be EHT20 LPI_1TX

PSD

6055MHz

19/08/2024



Frequency (MHz): 5975

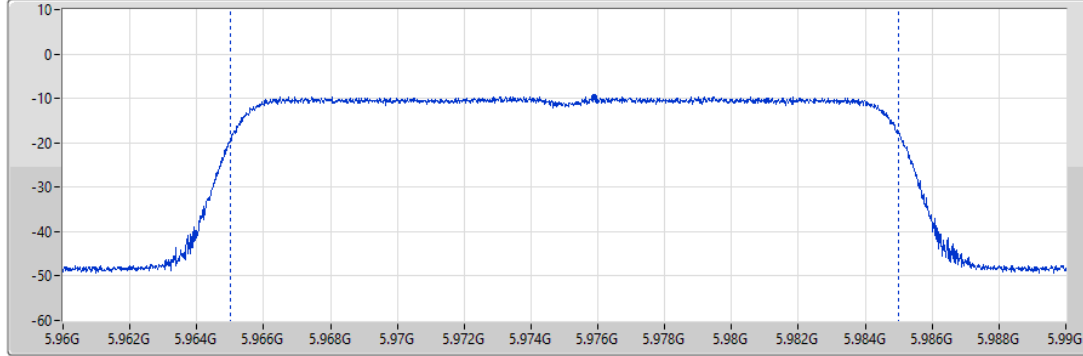
5.925-6.425GHz_802.11be EHT20 LPI_1TX

AV Power

5975MHz_TX

19/08/2024

CF (Hz)
5.975G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
2.01m
Detector Type
RMS
CP BW (Hz)
20M



Port 1

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)
1.98	1.98

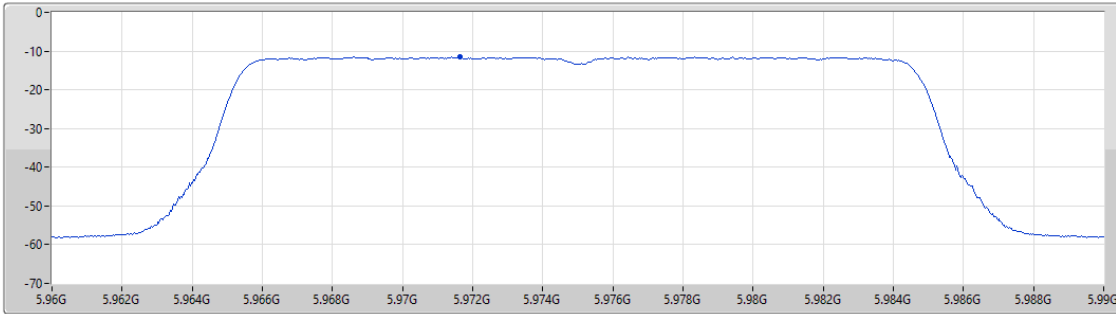
5.925-6.425GHz_802.11be EHT20 LPI_1TX

PSD

5975MHz

19/08/2024

CF (Hz)
5.975G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.56	-11.56	-11.56

CT_AFC_SP_AP_AFCDSAU33_FrequencyChannel_10630_1

Bandwidth: 20MHz

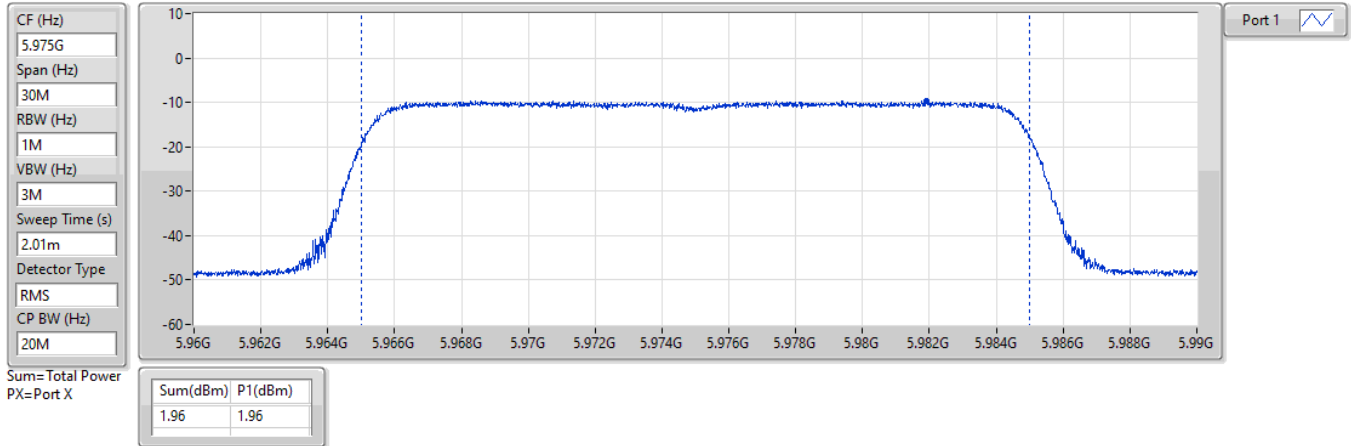
Frequency (MHz): 5975

5.925-6.425GHz_802.11be EHT20 LPI_1TX

AV Power

5975MHz_TX

19/08/2024

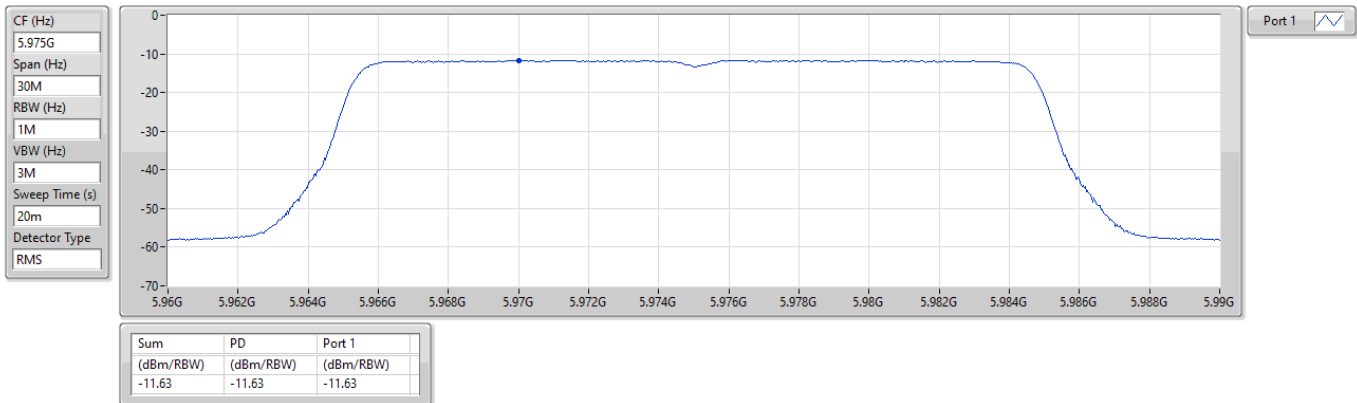


5.925-6.425GHz_802.11be EHT20 LPI_1TX

PSD

5975MHz

19/08/2024



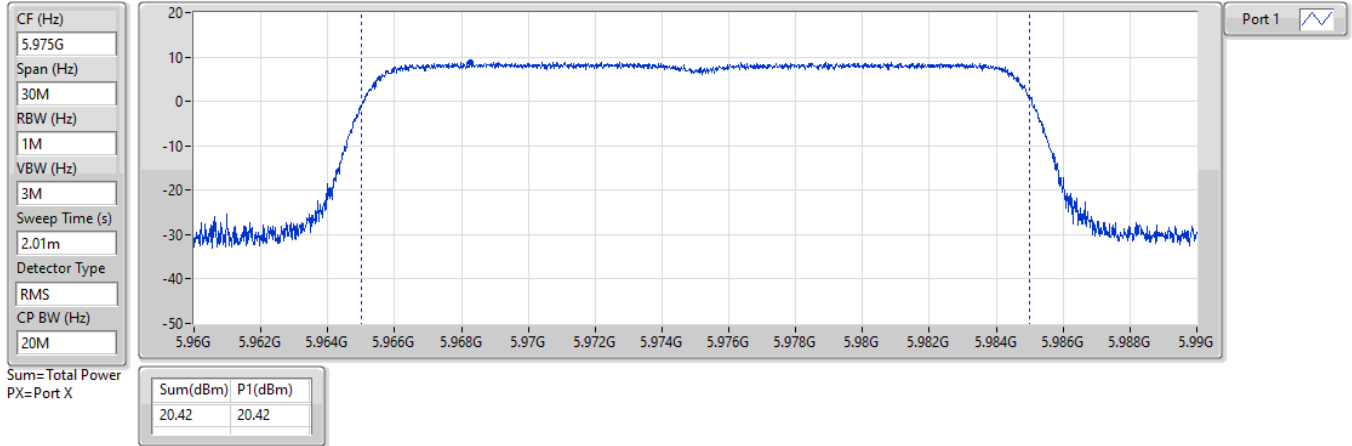
Frequency (MHz): 5975

5.925-6.425GHz_802.11be EHT20 SP_1TX

AV Power

5975MHz_TX

19/08/2024

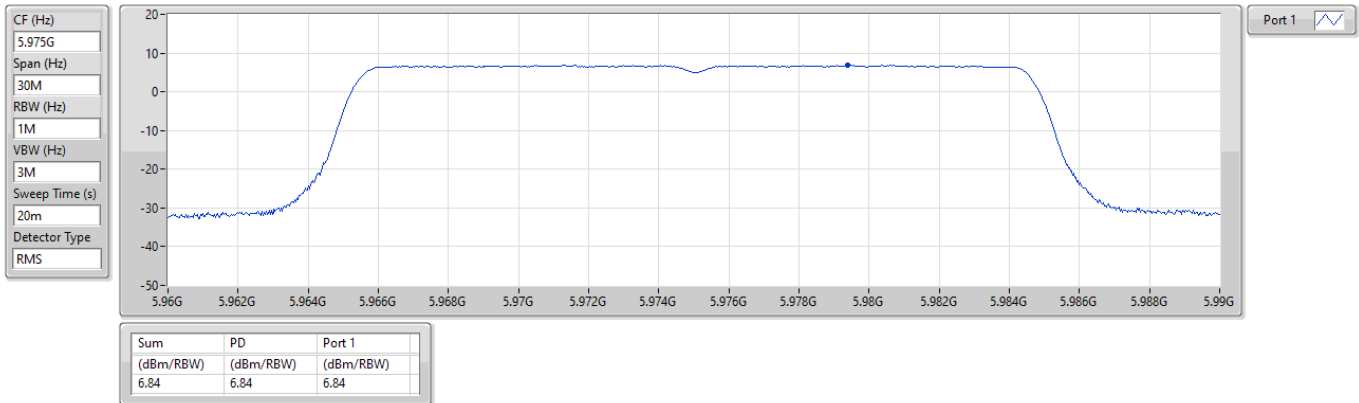


5.925-6.425GHz_802.11be EHT20 SP_1TX

PSD

5975MHz

19/08/2024



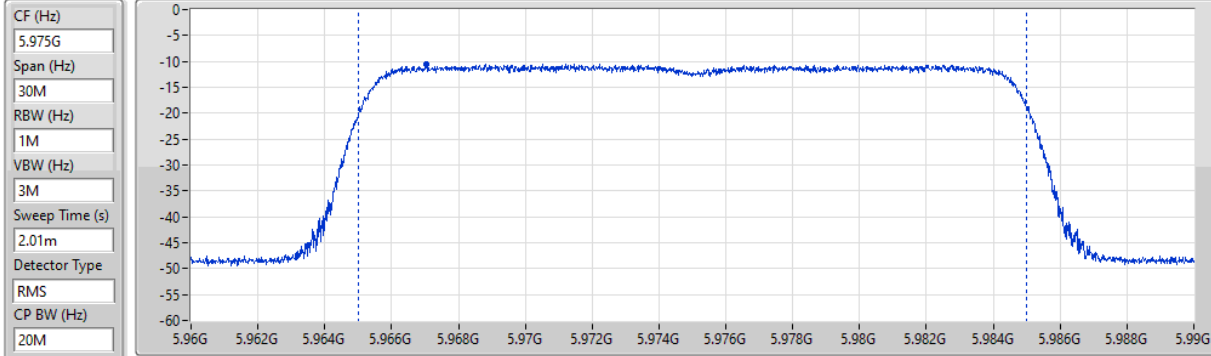
Frequency (MHz): 5975

5.925-6.425GHz_802.11be EHT20 LPI_1TX

AV Power

5975MHz_TX

19/08/2024



Sum= Total Power
 PX=Port X

Sum(dBm)	P1(dBm)
1.06	1.06

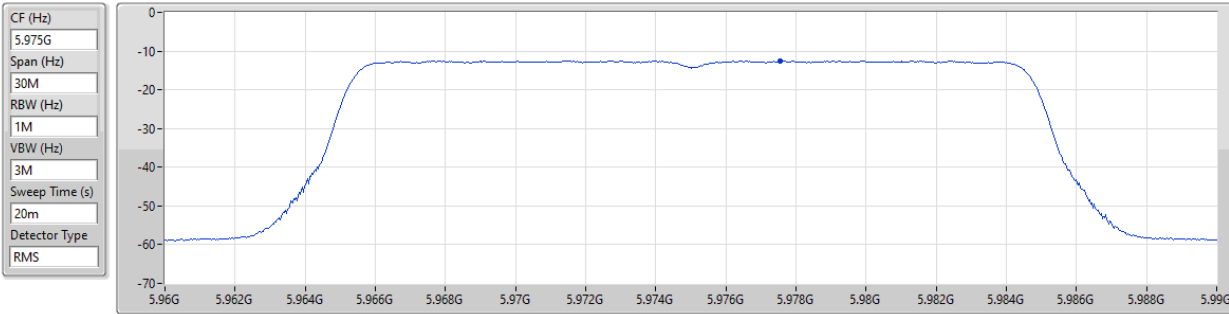
Port 1

5.925-6.425GHz_802.11be EHT20 LPI_1TX

PSD

5975MHz

19/08/2024



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.49	-12.49	-12.49

Port 1

CT_AFC_SP_AP_AFCDUAU34_FrequencyChannel_10631_1

Bandwidth: 20MHz

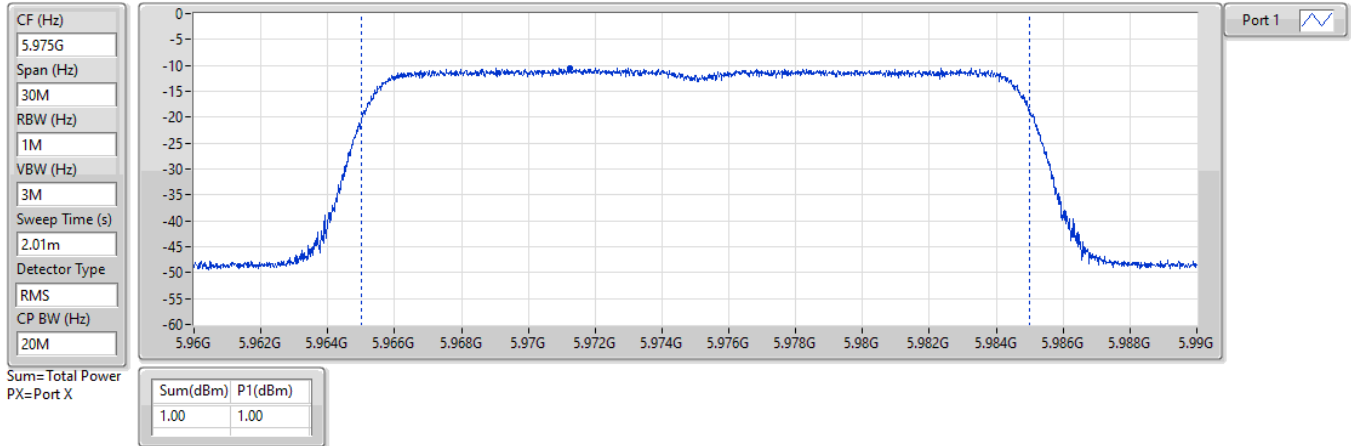
Frequency (MHz): 5975

5.925-6.425GHz_802.11be EHT20 LPI_1TX

AV Power

5975MHz_TX

19/08/2024

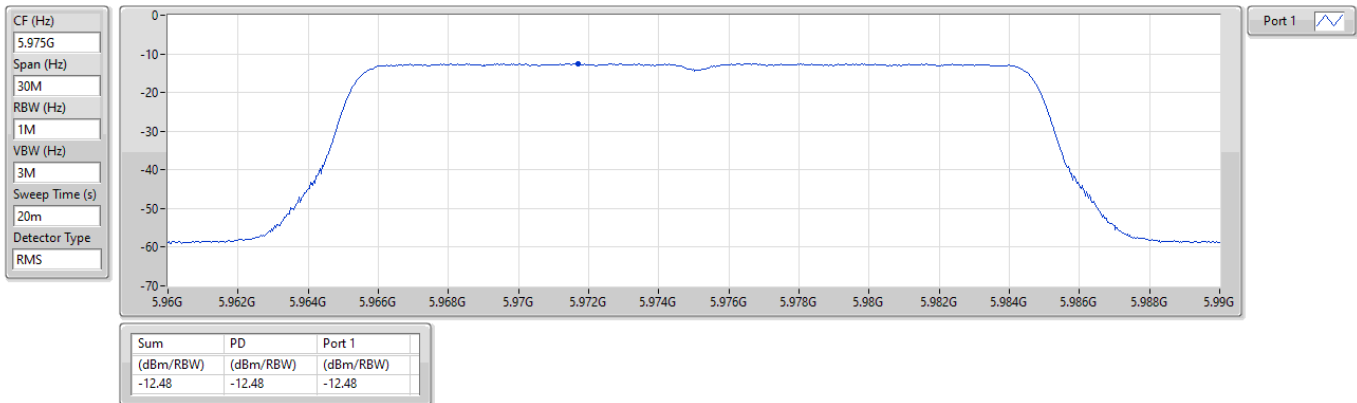


5.925-6.425GHz_802.11be EHT20 LPI_1TX

PSD

5975MHz

19/08/2024



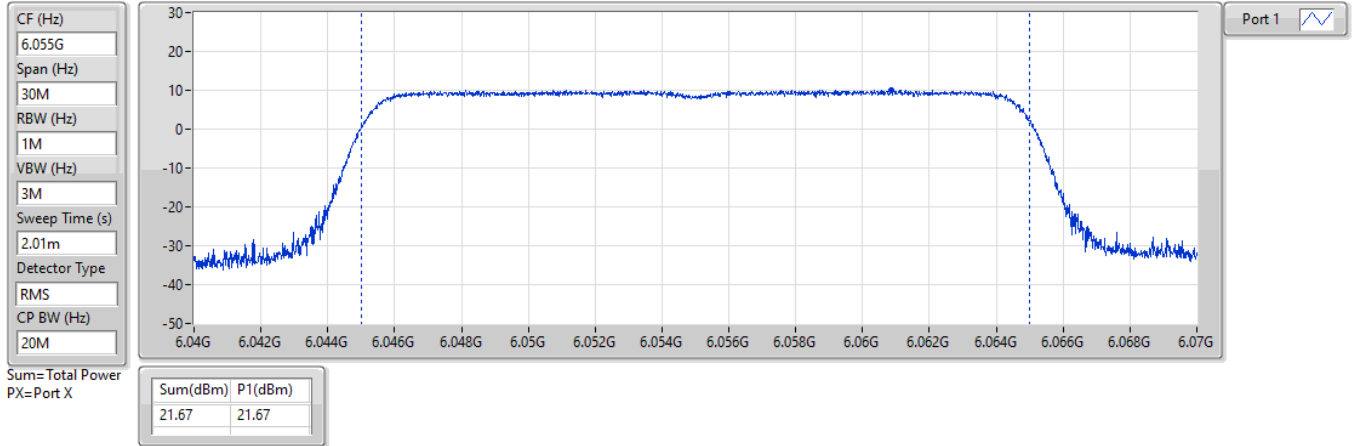
Frequency (MHz): 6055

5.925-6.425GHz_802.11be EHT20 SP_1TX

AV Power

6055MHz_TX

19/08/2024

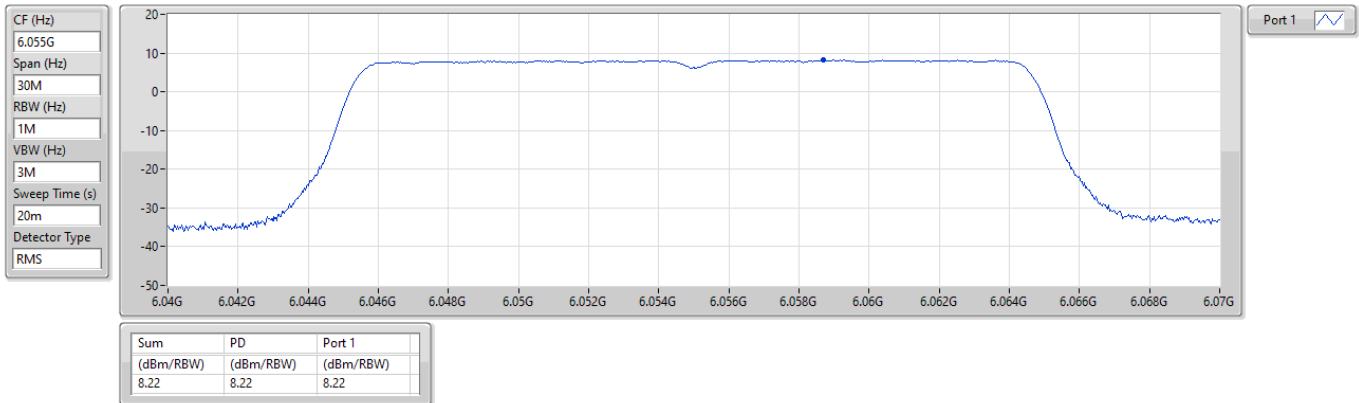


5.925-6.425GHz_802.11be EHT20 SP_1TX

PSD

6055MHz

19/08/2024



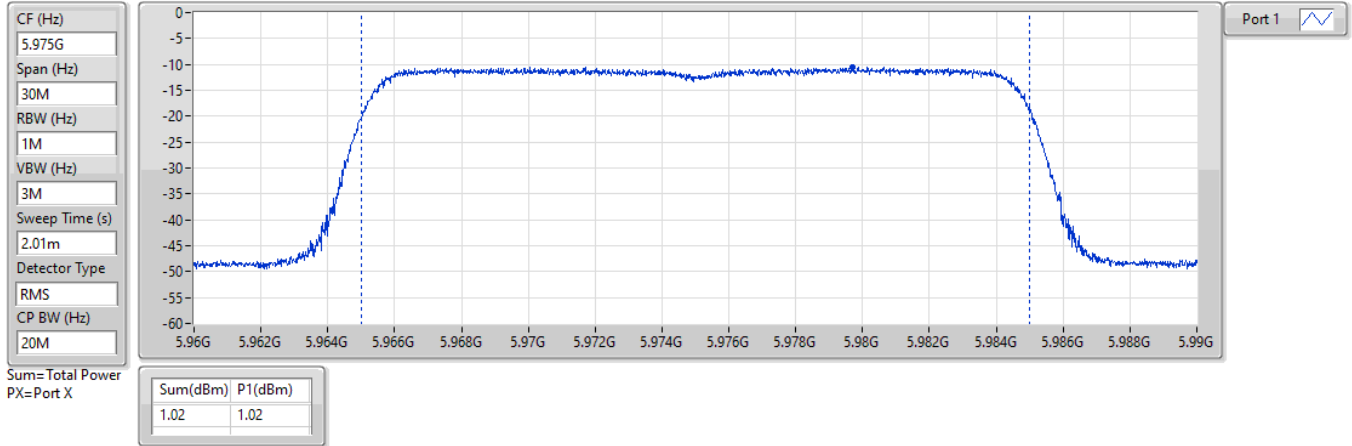
Frequency (MHz): 5975

5.925-6.425GHz_802.11be EHT20 LPI_1TX

AV Power

5975MHz_TX

19/08/2024

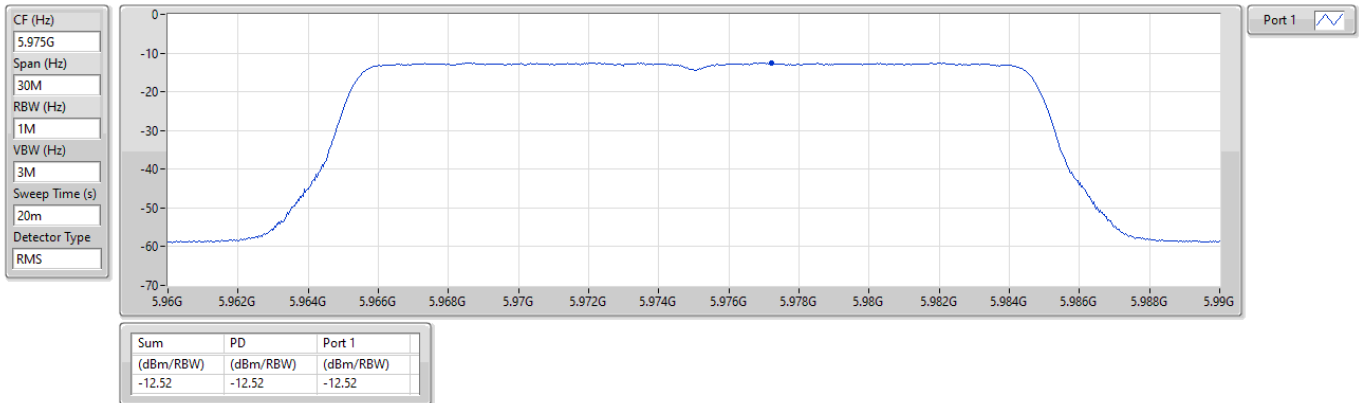


5.925-6.425GHz_802.11be EHT20 LPI_1TX

PSD

5975MHz

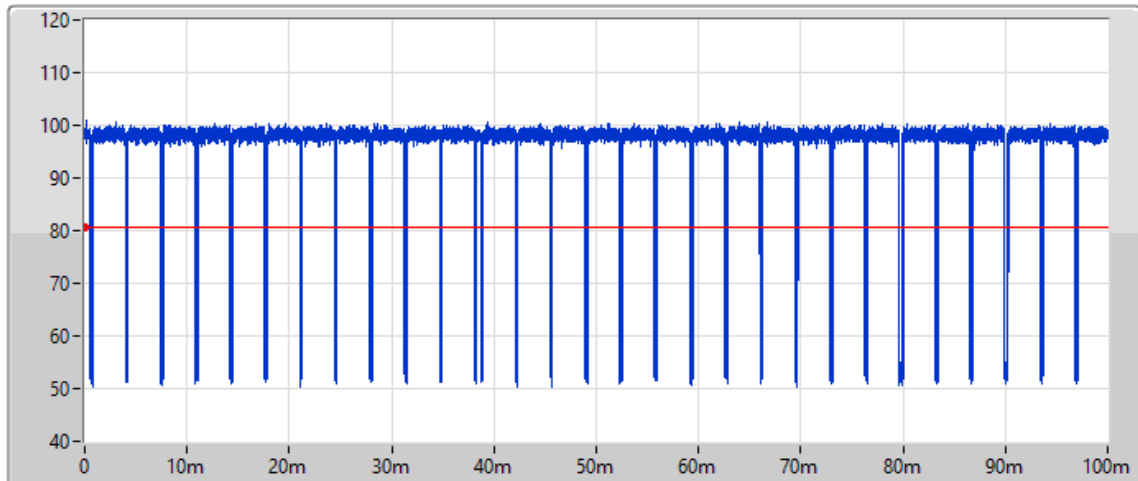
19/08/2024



Duty Cycle

Bandwidth: 20 MHz

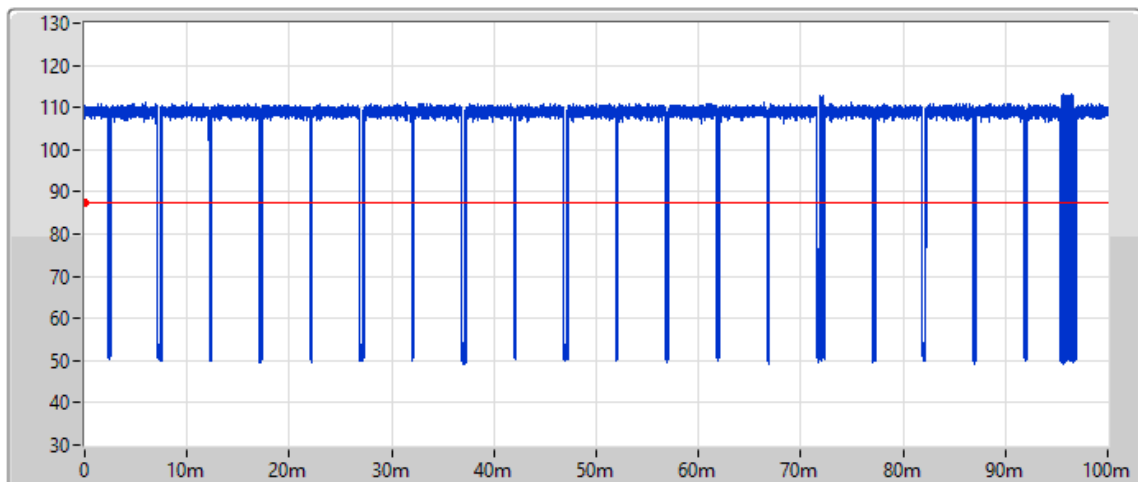
DC;be20L;BWch:20



Ch Freq (Hz)	RBW (Hz)	VBW (Hz)	Sweep Time (s)	Total Sample	Sample Time (s)	TX Time (s)	DC
5.975G	10M	10M	100m	32001	3.125u	93.13125m	0.931

Bandwidth: 40 MHz

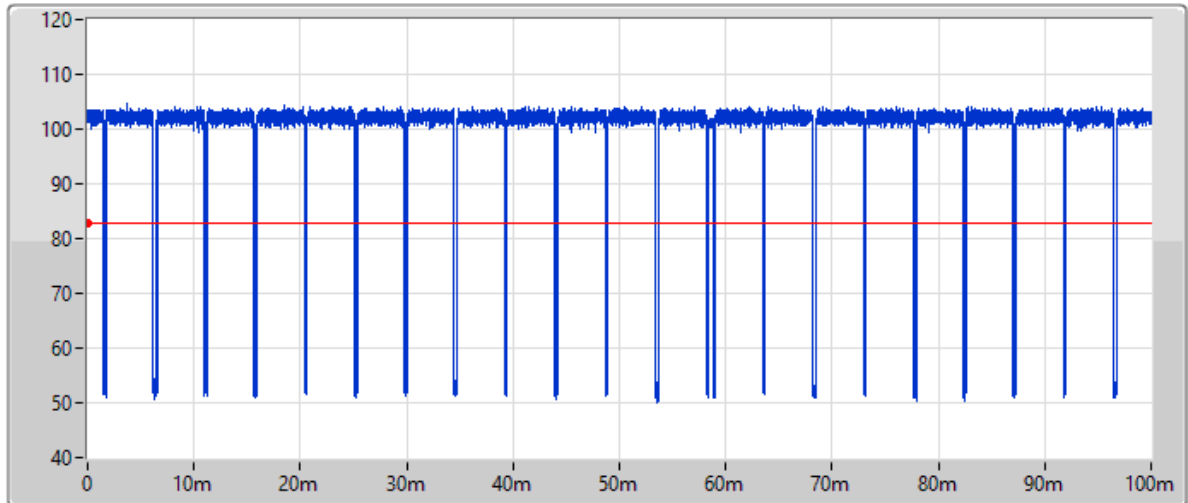
DC;be40L;BWch:40



Ch Freq (Hz)	RBW (Hz)	VBW (Hz)	Sweep Time (s)	Total Sample	Sample Time (s)	TX Time (s)	DC
7.095G	10M	10M	100m	32001	3.125u	94.36875m	0.944

Bandwidth: 80 MHz

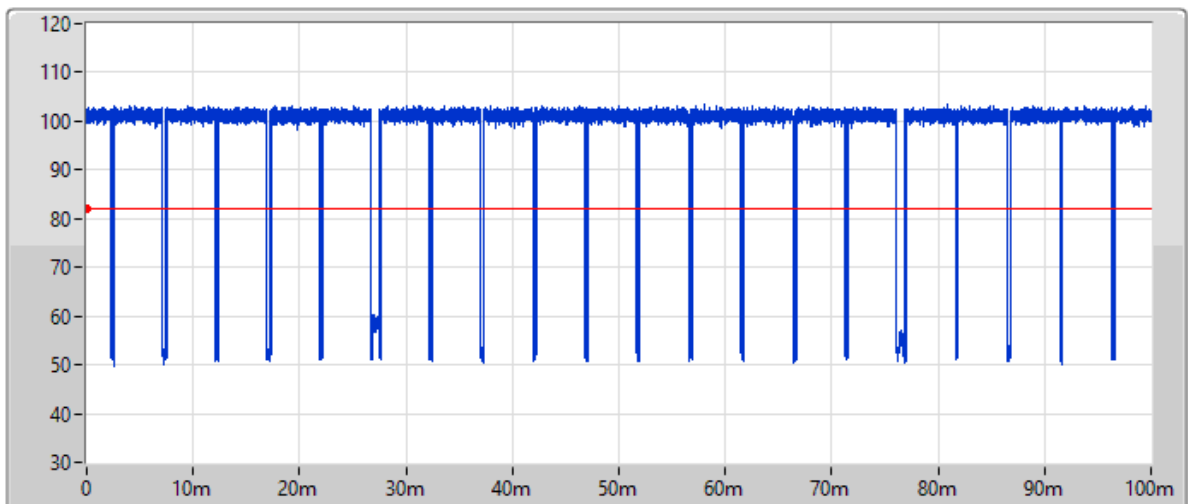
DC;be80L;BWch:80



Ch Freq (Hz)	RBW (Hz)	VBW (Hz)	Sweep Time (s)	Total Sample	Sample Time (s)	TX Time (s)	DC
5.985G	10M	10M	100m	32001	3.125u	94.465625m	0.945

Bandwidth: 160 MHz

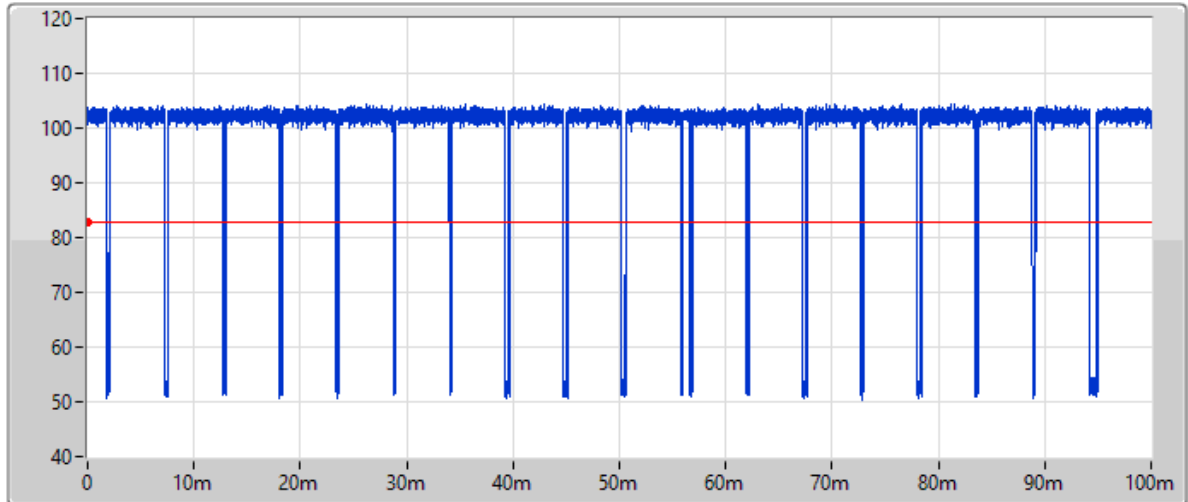
DC;be160L;BWch:160



Ch Freq (Hz)	RBW (Hz)	VBW (Hz)	Sweep Time (s)	Total Sample	Sample Time (s)	TX Time (s)	DC
6.185G	10M	10M	100m	32001	3.125u	93.775m	0.938

Bandwidth: 320 MHz

DC;be320L;BWch:320



Ch Freq (Hz)	RBW (Hz)	VBW (Hz)	Sweep Time (s)	Total Sample	Sample Time (s)	TX Time (s)	DC
6.105G	10M	10M	100m	32001	3.125u	94.071875m	0.941

————THE END————