



AFC DUT TEST HARNESS REPORT

FCC ID : TVE-251020
Equipment : Secured Wireless Access Point
Brand Name : FORTINET
Model Name : FortiAP 244Kxxxxxxxxx, FAP-244Kxxxxxxxxx, ,
FORTIAP-244Kxxxxxxxxx (Where "x" can be used as
"A-Z", or "0-9", or "-", or blank for software changes or
marketing purposes only)
Applicant : Fortinet, Inc.
909 Kifer Road, Sunnyvale, CA 94086, USA
Manufacturer : Fortinet, Inc.
909 Kifer Road, Sunnyvale, CA 94086, USA
Standard : 47 CFR FCC Part 15.407

The product was received on Dec. 16, 2025, and testing was started from Mar. 18, 2026 and completed on Jun. 18, 2026. 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 1.7 and shown compliance with the applicable technical standards.

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


Approved by: Jackson Tsai

Sporton International Inc. Hsinhua Laboratory
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Appendix A. Tools Report

Appendix B. DUT Spectrum Inquiry Request/Response Logs

Appendix C. RF Measurement Plots

Photographs of EUT v01



TEL : 886-3-3273456
FAX : 886-3-3270973
Report Template No.: HE1-D4 Ver1.1



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: Barry Hsiao

Report Producer: Amber Chiu



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature of Equipment Under Test	
Power Type	From PoE
EUT Type	☐ Standard Power Access Point with Proxy ☒ Standard Power Access Point without Proxy ☐ Fixed Client with Proxy ☐ Fixed Client without Proxy
Bandwidth (MHz)	20 / 40 / 80 / 160 / 320
Condition of EUT	☐ Indoor ☒ Outdoor
Professional Installation	☒ Yes ☐ No
Firmware Version	v7.6.3 build4658
Software Version	v7.6.3 build4658
Hardware Version	R01
Proxy Firmware Version	NA
Proxy Software Version	NA
Proxy Hardware Version	NA

Note: The above information was declared by manufacturer.

1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support	Radio
1	Grand-Tek	2034G00000370	Dipole	I-Pex	2.4G+5G	Radio 0
2	Grand-Tek	2034G00000380	Dipole	I-Pex	2.4G+5G	
3	Grand-Tek	203CG00000150	Dipole	I-Pex	6G	Radio1
4	Grand-Tek	203CG00000160	Dipole	I-Pex	6G	
5	Grand-Tek	2039G00000090	Dipole	I-Pex	BT	Radio2
6	Grand-Tek	2031G00000150	Ceramic	I-Pex	GPS	Radio4
7	Grand-Tek	203DG00000140	Dipole	I-Pex	2.4G+5G+6G	Radio3
8	Grand-Tek	203DG00000150	Dipole	I-Pex	2.4G+5G+6G	Radio3

Ant.	Port	Gain (dBi)						
		WLAN 2.4 GHz (MHz)			BT/Zigbee (MHz)			GPS
		2400	2450	2500	2400	2450	2500	
1	1	8.8	9.2	8.0	-	-	-	-
2	2	8.8	9.8	8.3	-	-	-	-
5	1	-	-	-	7.3	7.9	7.2	-
6	1	-	-	-	-	-	-	5.2
7	1	7.3	7.0	6.1	-	-	-	-
8	2	6.2	7.0	6.3	-	-	-	-

Ant.	Port	Gain (dBi)							
		WLAN 5 GHz (MHz)						WLAN 6 GHz (MHz)	
		5100	5350	5500	5650	5785	5900	5925	6550
1	1	9.5	9.4	9.2	9.3	9.1	9.1	-	-
2	2	10.1	10.8	10.0	9.0	8.5	9.0	-	-
3	1	-	-	-	-	-	-	8.3	8.5
4	2	-	-	-	-	-	-	8.5	9.4
7	1	6.4	6.4	6.5	7.0	7.3	7.5	8.0	6.8
8	2	6.0	5.8	5.5	6.0	6.5	6.6	7.0	5.9

Note: The above information was declared by manufacturer.



1.3 Table for Multiple Listing

The brand/model names in the following table are all refer to the identical product.

Brand Name	Model Name	Description
FORTINET	FortiAP 244Kxxxxxxxxx, FAP-244Kxxxxxxxxx, FORTIAP-244Kxxxxxxxxx (Where "x" can be used as "A-Z", or "0-9", or "-", or blank for software changes or marketing purposes only)	All models are identical in design, and the different model names are used for marketing purposes only.

Note 1: From the above models, model: FAP-244K was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.

1.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
POE	PHIHONG	POE60U-BTA	INPUT: 100-240Vac, 50-60Hz, 1.5A, OUTPUT 1: 56Vdc, 0.535A, 30W, OUTPUT 2: 56Vdc, 0.535A, 30W
Others			
Power cable 1*1:Non-shielded, 1m			
Power cable 2*1:Non-shielded, 1m			
Mounting bracket 1*1			
Mounting bracket 2*1			
Mounting bracket 3*1			
Mounting bracket 4*1			
Ground cable*1:Non-shielded, 1m			
Waterproof Connector Type 1*1			
Waterproof Connector Type 2*1			
Waterproof Cap Type 1*1			
Waterproof Cap Type 2*1			



1.5 Support Equipment

Support Equipment				
No.	Equipment	Brand Name	Model Name	Remark
1	RJ45 Cable	Power sync	CAT-6E-10	-
2	PoE (Customer provide)	PHIHONG	POE60U-BTA	-
3	RJ45 Cable	Power sync	CAT-6E-01	-
4	PC	AMD	BTS -19425865-MSIN	Remote
5	Client(Slave)	Micro-Star International	HERALD-BE	Remote
6	Router	ASUS	GT-AXE11000	Remote
7	Controller (Customer provide)	Fortinet	-	Remote
8	RJ45 Cable	Power sync	CAT-6E-01	Remote
9	Notebook	DELL	E5410	Remote

1.6 Applicable Standards

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

- ♦ 47 CFR FCC Part 15.407

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

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

1.7 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
Radiated	03CH02-HY	Elbert Peng	22.2~23.4°C / 50~52%	Mar. 18, 2026, Jun. 15, 2026~Jun. 18, 2026



2 Measurement Environment

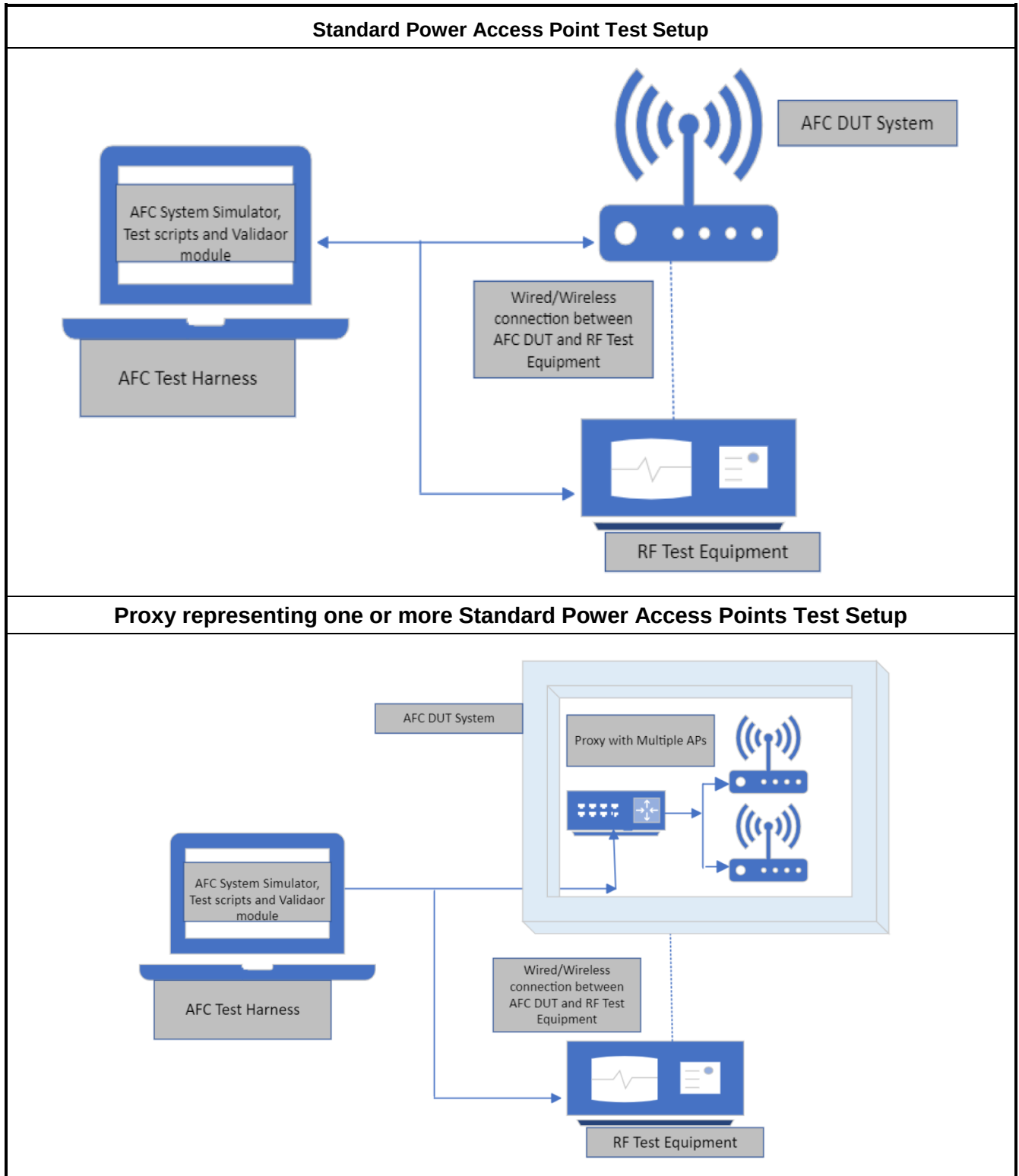
Measurement Environment Information	
AFC DUT Test Harness version	version 2.0.65.184

2.1 AFC DUT General Capabilities Declaration

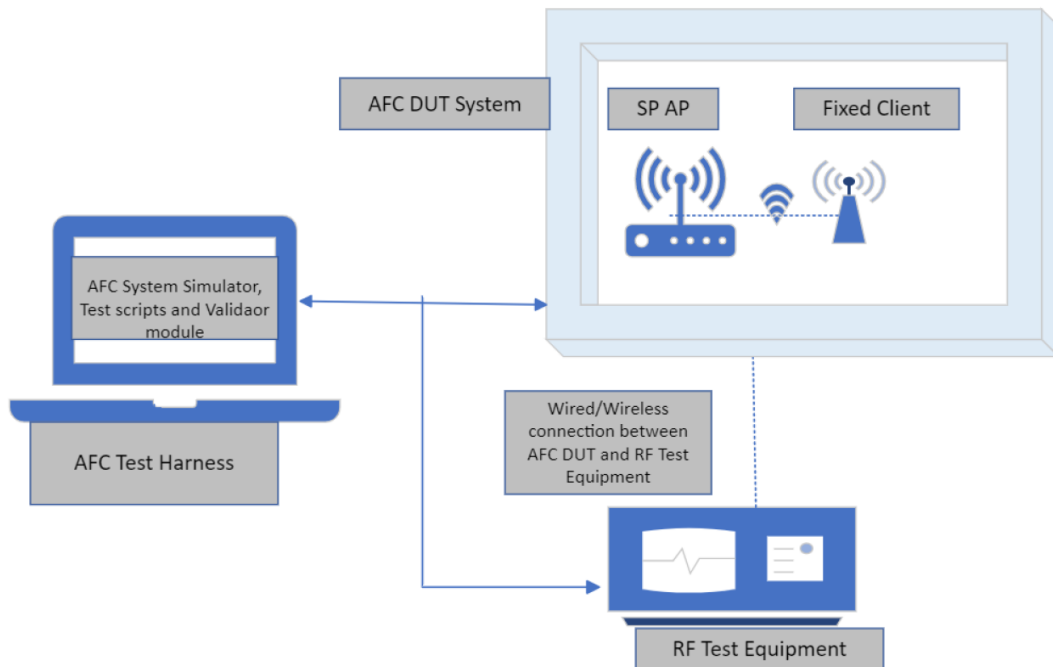
Item	Question	Vendor Response
1	AFC DUT Type	Standalone AP
2	What is the AFC DUT supports sending an Available Spectrum Inquiry Request type?	Frequency & Channel
3	Does the AFC DUT need to be supplied with BSS configuration parameters?	Yes
4	Does the AFC DUT manufacturer attest to AFC DUT compliance with rules for LPI operation?	No
5	Does the AFC DUT need to be supplied with mandatory registration information to formulate an Available Spectrum Inquiry Request	No
6	If the Answer to Item 5 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
Site V.S.W.R	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3M	12/Jul/2025	11/Jul/2026
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101750	10Hz~44GHz	08/Apr/2025	07/Apr/2026
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101750	10Hz~44GHz	14/Apr/2026	13/Apr/2027
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz~18GHz	03/Oct/2025	02/Oct/2026
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	02/Jul/2025	01/Jul/2026
RF Cable	HUBER+SUHNER	SUCOFLEX 104	03CH02-cable-06	1GHz~40GHz	15/Aug/2025	14/Aug/2026
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	30/Sep/2025	29/Sep/2026
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~40GHz	26/Apr/2025	25/Apr/2026
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~40GHz	20/May/2026	19/May/2027
SENSE-15407-NII	Sporton	V5.11.23	N/A	N/A	N/A	N/A



5 Measurement Uncertainty

Test Items	Uncertainty	Remark
Conducted Emission	1.12 dB	Confidence levels of 95%

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP
DUT Vendor Name	Fortinet
DUT Product Model	FAP-244K

1 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)	<u>CT AFC SP AP AFCDUAU34_FrequencyChannel_10631_1 (Unsuccessful spectrum access update)</u>	PASS
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	<u>CT AFC SP AP AFCDSAU33_FrequencyChannel_10630_1 (Successful spectrum access update)</u>	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii)	<u>CT AFC SP AP AFCDUSA32_FrequencyChannel_10629_1 (Unsuccessful registration and spectrum access request)</u>	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)	<u>CT AFC SP AP AFCDRSA31_FrequencyChannel_160MHz_10628_1 (Successful registration and spectrum access request)</u>	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)	<u>CT AFC SP AP AFCDRSA31_FrequencyChannel_80MHz_10627_1 (Successful registration and spectrum access request)</u>	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)	<u>CT AFC SP AP AFCDRSA31_FrequencyChannel_40MHz_10626_1 (Successful registration and spectrum access request)</u>	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)	<u>CT AFC SP AP AFCDRSA31_FrequencyChannel_20MHz_10625_1 (Successful registration and spectrum access request)</u>	PASS

2 Test Measurements

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_MatchSuffixSAN_10634_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_NonMatchSAN_10632_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_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 conforms to the conditions in Spectrum Response (9.1 dBm/MHz PSD, 34.2 dBm EIRP) on channel center frequency index 31 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 conforms to the conditions in Spectrum Response (-1.4 dBm/MHz PSD, 23.7 dBm EIRP) on channel center frequency index 63 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 conforms to the conditions in Spectrum Response (23 dBm/MHz PSD, 36.0 dBm EIRP) on channel 165 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

Measurements Name	Description	Value	Validation Result
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (22.0 dBm/MHz PSD, 35.0 dBm EIRP) 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_AFCDRSA31_FrequencyChannel_160MHz_10628_1 (Successful registration and spectrum access request)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (12.0 dBm/MHz PSD, 34.0 dBm EIRP) 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 conforms to the conditions in Spectrum Response (12.4 dBm/MHz PSD, 34.4 dBm EIRP) on channel center frequency index 47 bandwidth 160.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_80MHz_10627_1 (Successful registration and spectrum access request)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (16.4 dBm/MHz PSD, 35.4 dBm EIRP) on channel center frequency index 39 bandwidth 80.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (14.2 dBm/MHz PSD, 33.2 dBm EIRP) on channel center frequency index 151 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 conforms to the conditions in Spectrum Response (20.4 dBm/MHz PSD, 36.0 dBm EIRP) on channel center frequency index 59 bandwidth 40.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (16.2 dBm/MHz PSD, 32.2 dBm EIRP) on channel center frequency index 27 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_AFCDRSA31_FrequencyChannel_20MHz_10625_1 (Successful registration and spectrum access request)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (21.8 dBm/MHz PSD, 34.8 dBm EIRP) on channel 133 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (21.1 dBm/MHz PSD, 34.1 dBm EIRP) on channel 169 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS



AFC capability - Inquired Frequency and Channel

```
CT AFC SP AP AFCDRSA31 FrequencyChannel_20MHz_10625_1
##### 2026-06-17T08:51:17Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.2.212",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1396",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "2402847949",
        "deviceDescriptor": {
          "serialNumber": "3014657286",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "TVE-251020"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "longitude": -122.010898,
          "latitude": 37.375443
        },
        "majorAxis": 30,
        "minorAxis": 20,
        "orientation": 0
      },
      "elevation": {
        "height": 80,
        "heightType": "AMSL",
        "verticalUncertainty": 30
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5925,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6525,
        "highFrequency": 6865
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131,
        "channelCfi": [
          1,
          5,
          9,
          13,
          17,
          21,
          25,
          29,
          33,
          37,
          41,
          45,
          49,
          53,
          57,
          61,
          65,
          69,

```

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73,  
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169,  
173,  
177,  
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]  
,  
{  
  "globalOperatingClass": 132,  
  "channelCfi": [  
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    35,  
    43,  
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    59,  
    67,  
    75,  
    83,  
    91,  
    123,  
    131,  
    139,  
    147,  
    155,  
    163,  
    171,  
    179  
  ]  
,  
{  
  "globalOperatingClass": 133,  
  "channelCfi": [  
    7,  
    23,  
    39,  
    55,  
    71,  
    87,  
    135,  
    151,  
    167  
  ]  
,  
{  
  "globalOperatingClass": 134,  
  "channelCfi": [  
    15,  
    47,  
    79,  
    143  
  ]  
,  
{  
  "globalOperatingClass": 135,  
  "channelCfi": [  
    7,  
    23,
```



```
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ]
    },
    {
      "globalOperatingClass": 136,
      "channelCfi": [
        2
      ]
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": -10
}
]
}
}
}
##### 2026-06-17T08:51:18Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 14.0
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 12.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 19.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 12.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6365,
            "lowFrequency": 6345
          },
          "maxPsd": 16.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6385,
            "lowFrequency": 6365
          },
          "maxPsd": 16.3
        }
      ]
    }
  ]
}
```



```
        "maxPsd": 18.4
      },
      {
        "frequencyRange": {
          "highFrequency": 6405,
          "lowFrequency": 6385
        },
        "maxPsd": 21.2
      },
      {
        "frequencyRange": {
          "highFrequency": 6425,
          "lowFrequency": 6405
        },
        "maxPsd": 18.1
      },
      {
        "frequencyRange": {
          "highFrequency": 6605,
          "lowFrequency": 6585
        },
        "maxPsd": 18.6
      },
      {
        "frequencyRange": {
          "highFrequency": 6625,
          "lowFrequency": 6605
        },
        "maxPsd": 21.8
      },
      {
        "frequencyRange": {
          "highFrequency": 6645,
          "lowFrequency": 6625
        },
        "maxPsd": 17.2
      },
      {
        "frequencyRange": {
          "highFrequency": 6665,
          "lowFrequency": 6645
        },
        "maxPsd": 14.7
      },
      {
        "frequencyRange": {
          "highFrequency": 6685,
          "lowFrequency": 6665
        },
        "maxPsd": 8.5
      },
      {
        "frequencyRange": {
          "highFrequency": 6705,
          "lowFrequency": 6685
        },
        "maxPsd": 19.2
      },
      {
        "frequencyRange": {
          "highFrequency": 6725,
          "lowFrequency": 6705
        },
        "maxPsd": 15.1
      },
      {
        "frequencyRange": {
          "highFrequency": 6745,
          "lowFrequency": 6725
        },
        "maxPsd": 17.2
      }
    ],
    "availableChannelInfo": [
      {
        "channelCfi": [
          1,
          5,
```

```

9,
13,
81,
85,
89,
93,
129,
133,
137,
141,
145,
149,
153,
157
],
"globalOperatingClass": 131,
"maxEirp": [
27.0,
25.7,
32.1,
25.9,
29.3,
31.4,
34.2,
31.1,
31.6,
34.8,
30.2,
27.7,
21.5,
32.2,
28.1,
30.2
]
},
{
"channelCfi": [
3,
11,
83,
91,
131,
139,
147,
155
],
"globalOperatingClass": 132,
"maxEirp": [
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28.9,
32.3,
34.1,
34.6,
30.7,
24.5,
31.1
]
},
{
"channelCfi": [
7,
87,
135,
151
],
"globalOperatingClass": 133,
"maxEirp": [
31.7,
35.3,
33.7,
27.5
]
},
{
"channelCfi": [
143
],
"globalOperatingClass": 134,

```



```
        "maxEirp": [
          30.5
        ]
      }
    },
    "requestId": "2402847949",
    "availabilityExpireTime": "2026-06-18T08:51:18Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
},
"version": "1.4"
}

##### 2026-06-17T08:56:06Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.2.212",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1396",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "2691522820",
        "deviceDescriptor": {
          "serialNumber": "3014657286",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "TVE-251020"
            }
          ]
        }
      },
      {
        "location": {
          "ellipse": {
            "center": {
              "longitude": -122.010898,
              "latitude": 37.375443
            },
            "majorAxis": 30,
            "minorAxis": 20,
            "orientation": 0
          },
          "elevation": {
            "height": 80,
            "heightType": "AMSL",
            "verticalUncertainty": 30
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5925,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6865
          }
        ],
        "inquiredChannels": [
          {
            "globalOperatingClass": 131,
            "channelCfi": [
              1,
              5,
              9,
              13,
              17,
              21,
              25,
              29,
            ]
          }
        ]
      }
    ]
  }
}
```



```
33,  
37,  
41,  
45,  
49,  
53,  
57,  
61,  
65,  
69,  
73,  
77,  
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85,  
89,  
93,  
117,  
121,  
125,  
129,  
133,  
137,  
141,  
145,  
149,  
153,  
157,  
161,  
165,  
169,  
173,  
177,  
181  
]  
,  
{  
  "globalOperatingClass": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    123,  
    131,  
    139,  
    147,  
    155,  
    163,  
    171,  
    179  
  ]  
,  
{  
  "globalOperatingClass": 133,  
  "channelCfi": [  
    7,  
    23,  
    39,  
    55,  
    71,  
    87,  
    135,  
    151,  
    167  
  ]  
,  
{  
  "globalOperatingClass": 134,  
  "channelCfi": [  
    15,
```



```

        47,
        79,
        143
    ]
    },
    {
        "globalOperatingClass": 135,
        "channelCfi": [
            7,
            23,
            39,
            55,
            71,
            87,
            135,
            151,
            167
        ]
    },
    {
        "globalOperatingClass": 136,
        "channelCfi": [
            2
        ]
    },
    {
        "globalOperatingClass": 137,
        "channelCfi": [
            31,
            63
        ]
    }
    ],
    "minDesiredPower": -10
}
}
]
}
}

##### 2026-06-17T08:56:06Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [
                {
                    "frequencyRange": {
                        "highFrequency": 6045,
                        "lowFrequency": 6025
                    },
                    "maxPsd": 11.5
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6065,
                        "lowFrequency": 6045
                    },
                    "maxPsd": 14.7
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6085,
                        "lowFrequency": 6065
                    },
                    "maxPsd": 11.2
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6105,
                        "lowFrequency": 6085
                    },
                    "maxPsd": 15.3
                },
                {
                    "frequencyRange": {

```



```
        "highFrequency": 6125,
        "lowFrequency": 6105
      },
      "maxPsd": 20.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 12.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 11.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 20.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 11.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 16.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 16.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 15.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
      "maxPsd": 15.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 20.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 12.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
```

```

        "lowFrequency": 6325
      },
      {
        "maxPsd": 11.6
      },
      {
        "frequencyRange": {
          "highFrequency": 6765,
          "lowFrequency": 6745
        },
        "maxPsd": 21.5
      },
      {
        "frequencyRange": {
          "highFrequency": 6785,
          "lowFrequency": 6765
        },
        "maxPsd": 14.9
      },
      {
        "frequencyRange": {
          "highFrequency": 6805,
          "lowFrequency": 6785
        },
        "maxPsd": 21.1
      },
      {
        "frequencyRange": {
          "highFrequency": 6825,
          "lowFrequency": 6805
        },
        "maxPsd": 9.7
      }
    ],
    "availableChannelInfo": [
      {
        "channelCfi": [
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          21,
          25,
          29,
          33,
          37,
          41,
          45,
          49,
          53,
          57,
          61,
          65,
          69,
          73,
          77,
          161,
          165,
          169,
          173
        ],
        "globalOperatingClass": 131,
        "maxEirp": [
          24.5,
          27.7,
          24.2,
          28.3,
          33.8,
          25.5,
          24.4,
          33.6,
          24.7,
          29.7,
          29.4,
          28.9,
          28.6,
          33.1,
          25.4,
          24.6,
          34.5,
          27.9,
          34.1,

```

<pre> 22.7] }, { "channelCfi": [19, 27, 35, 43, 51, 59, 67, 75, 163, 171], "globalOperatingClass": 132, "maxEirp": [27.5, 27.2, 28.5, 27.4, 27.7, 31.9, 31.6, 27.6, 30.9, 25.7] }, { "channelCfi": [23, 39, 55, 71, 167], "globalOperatingClass": 133, "maxEirp": [30.2, 30.4, 30.7, 30.6, 28.7] }, { "channelCfi": [47], "globalOperatingClass": 134, "maxEirp": [33.4] }], "requestId": "2691522820", "availabilityExpireTime": "2026-06-18T08:56:06Z", "rulesetId": "US_47_CFR_PART_15_SUBPART_E" } { "version": "1.4" } </pre>	
<pre> CT AFC SP AP AFCDRSA31 FrequencyChannel 40MHz_10626_1 ##### 2026-06-17T09:01:17Z ##### { "headers": { "Host": "testserver.wfatestorg.org", "Accept": "*/*", "Content-Type": "application/json", "X-Forwarded-For": "192.168.2.212", "X-Forwarded-Host": "testserver.wfatestorg.org", "X-Forwarded-Server": "testserver.wfatestorg.org", "Content-Length": "1396", "Connection": "Keep-Alive" } } </pre>	



```
{
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "3001941498",
        "deviceDescriptor": {
          "serialNumber": "3014657286",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "TVE-251020"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "longitude": -122.010898,
          "latitude": 37.375443
        },
        "majorAxis": 30,
        "minorAxis": 20,
        "orientation": 0
      },
      "elevation": {
        "height": 80,
        "heightType": "AMSL",
        "verticalUncertainty": 30
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5925,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6525,
        "highFrequency": 6865
      }
    ],
    "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,
          117,
          121,
          125,
          129,
          133,
          137,
          141,
          145,
        ]
      }
    ]
  }
}
```

```
        149,
        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
    ]
},
{
    "globalOperatingClass": 132,
    "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
    ]
},
{
    "globalOperatingClass": 133,
    "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
    ]
},
{
    "globalOperatingClass": 134,
    "channelCfi": [
        15,
        47,
        79,
        143
    ]
},
{
    "globalOperatingClass": 135,
    "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
    ]
},
{
    "globalOperatingClass": 136,
    "channelCfi": [
        2
    ]
}
```



```
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": -10
}
}
}
}
}
##### 2026-06-17T09:01:17Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 8.6
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 9.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 19.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 9.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 10.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 14.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
          },
          "maxPsd": 12.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6185,
            "lowFrequency": 6165
          },
          "maxPsd": 12.9
        }
      ]
    }
  ]
}
```



```
"maxPsd": 21.3
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 17.1
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 9.6
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 20.4
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 21.5
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 13.5
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 9.9
},
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 14.6
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 20.6
}
},
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      161,
      165,
      169,
      173
    ]
  }
]
```



```
    },
    "globalOperatingClass": 131,
    "maxEirp": [
      21.6,
      22.6,
      32.6,
      22.1,
      23.9,
      27.1,
      25.9,
      34.3,
      30.1,
      22.6,
      33.4,
      34.5,
      26.5,
      22.9,
      27.6,
      33.6
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      35,
      43,
      51,
      59,
      163,
      171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
      24.6,
      25.1,
      26.9,
      28.9,
      25.6,
      36.0,
      25.9,
      30.6
    ]
  },
  {
    "channelCfi": [
      7,
      39,
      55,
      167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
      27.6,
      29.9,
      28.6,
      28.9
    ]
  },
  {
    "channelCfi": [
      47
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
      31.6
    ]
  }
},
"requestId": "3001941498",
"availabilityExpireTime": "2026-06-18T09:01:17Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
},
"version": "1.4"
}
```

2026-06-17T09:10:50Z



```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.2.212",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1396",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "3575607484",
        "deviceDescriptor": {
          "serialNumber": "3014657286",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "TVE-251020"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -122.010898,
              "latitude": 37.375443
            },
            "majorAxis": 30,
            "minorAxis": 20,
            "orientation": 0
          },
          "elevation": {
            "height": 80,
            "heightType": "AMSL",
            "verticalUncertainty": 30
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5925,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6865
          }
        ],
        "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,  
      117,  
      121,  
      125,  
      129,  
      133,  
      137,  
      141,  
      145,  
      149,  
      153,  
      157,  
      161,  
      165,  
      169,  
      173,  
      177,  
      181  
    ]  
  },  
  {  
    "globalOperatingClass": 132,  
    "channelCfi": [  
      3,  
      11,  
      19,  
      27,  
      35,  
      43,  
      51,  
      59,  
      67,  
      75,  
      83,  
      91,  
      123,  
      131,  
      139,  
      147,  
      155,  
      163,  
      171,  
      179  
    ]  
  },  
  {  
    "globalOperatingClass": 133,  
    "channelCfi": [  
      7,  
      23,  
      39,  
      55,  
      71,  
      87,  
      135,  
      151,  
      167  
    ]  
  },  
  {  
    "globalOperatingClass": 134,  
    "channelCfi": [  
      15,  
      47,  
      79,  
      143  
    ]  
  },  
  {  
    "globalOperatingClass": 135,  
    "channelCfi": [  
      7,  
      23,  
      39,  
      55,  
      71,  
      87,
```



```
        135,
        151,
        167
      ]
    },
    {
      "globalOperatingClass": 136,
      "channelCfi": [
        2
      ]
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": -10
}
]
}
}
}
##### 2026-06-17T09:10:50Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 19.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 15.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 20.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },
          "maxPsd": 16.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6285,
            "lowFrequency": 6265
          },
          "maxPsd": 8.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6305,
            "lowFrequency": 6285
          },
          "maxPsd": 11.5
        },
        {
          "frequencyRange": {
```



```
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 15.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 20.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 19.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 13.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 9.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 9.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 14.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 18.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 9.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 9.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 8.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
```



```
        "lowFrequency": 6685
      },
      "maxPsd": 19.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 15.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 11.2
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        17,
        21,
        25,
        29,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        32.8,
        28.9,
        33.5,
        29.2,
        21.3,
        24.5,
        28.4,
        33.1,
        32.3,
        26.6,
        22.3,
        22.1,
        27.4,
        31.9,
        22.2,
        22.0,
        21.6,
        32.7,
        28.9,
        24.2
      ]
    },
    {
      "channelCfi": [
        19,
        27,
        67,
        75,
        83,
        91,
        131,
        139,
        147,
```



```
155
    },
    "globalOperatingClass": 132,
    "maxEirp": [
        31.9,
        32.2,
        24.3,
        31.4,
        29.6,
        25.1,
        30.4,
        25.0,
        24.6,
        27.2
    ]
},
{
    "channelCfi": [
        23,
        71,
        87,
        135,
        151
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        34.9,
        27.3,
        28.1,
        28.0,
        27.6
    ]
},
{
    "channelCfi": [
        79,
        143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        30.3,
        30.6
    ]
}
},
{
    "requestId": "3575607484",
    "availabilityExpireTime": "2026-06-18T09:10:50Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
},
{
    "version": "1.4"
}
}
```

```
CT AFC SP AP AFCDRSA31 FrequencyChannel_80MHz_10627_1
##### 2026-06-17T09:14:26Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/.*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "192.168.2.212",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "1396",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "3791571852",
                "deviceDescriptor": {
                    "serialNumber": "3014657286",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "TVE-251020"
                        }
                    ]
                }
            }
        ]
    }
}
```



```
    }  
  ]  
  },  
  "location": {  
    "ellipse": {  
      "center": {  
        "longitude": -122.010898,  
        "latitude": 37.375443  
      },  
      "majorAxis": 30,  
      "minorAxis": 20,  
      "orientation": 0  
    },  
    "elevation": {  
      "height": 80,  
      "heightType": "AMSL",  
      "verticalUncertainty": 30  
    },  
    "indoorDeployment": 2  
  },  
  "inquiredFrequencyRange": [  
    {  
      "lowFrequency": 5925,  
      "highFrequency": 6425  
    },  
    {  
      "lowFrequency": 6525,  
      "highFrequency": 6865  
    }  
  ],  
  "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,  
        117,  
        121,  
        125,  
        129,  
        133,  
        137,  
        141,  
        145,  
        149,  
        153,  
        157,  
        161,  
        165,  
        169,  
        173,  
        177,  
        181  
      ]  
    },  
    {  
      }
```

```

    "globalOperatingClass": 132,
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
      155,
      163,
      171,
      179
    ]
  },
  {
    "globalOperatingClass": 133,
    "channelCfi": [
      7,
      23,
      39,
      55,
      71,
      87,
      135,
      151,
      167
    ]
  },
  {
    "globalOperatingClass": 134,
    "channelCfi": [
      15,
      47,
      79,
      143
    ]
  },
  {
    "globalOperatingClass": 135,
    "channelCfi": [
      7,
      23,
      39,
      55,
      71,
      87,
      135,
      151,
      167
    ]
  },
  {
    "globalOperatingClass": 136,
    "channelCfi": [
      2
    ]
  },
  {
    "globalOperatingClass": 137,
    "channelCfi": [
      31,
      63
    ]
  }
],
"minDesiredPower": -10
}
]

```



```
}
}
##### 2026-06-17T09:14:26Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 19.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 21.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
          },
          "maxPsd": 16.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6185,
            "lowFrequency": 6165
          },
          "maxPsd": 16.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6205,
            "lowFrequency": 6185
          },
          "maxPsd": 18.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6225,
            "lowFrequency": 6205
          },
          "maxPsd": 17.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6245,
            "lowFrequency": 6225
          },
          "maxPsd": 8.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6265,
            "lowFrequency": 6245
          },
          "maxPsd": 14.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6285,
            "lowFrequency": 6265
          },
          "maxPsd": 11.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6305,
```



```
        "lowFrequency": 6285
      },
      "maxPsd": 19.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 13.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 8.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 14.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 13.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 8.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 12.7
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        129,
        133,
        137,
        141
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        32.0,
        34.9,
        29.4,
        29.5,
        31.2,
        30.0,
        21.7,
        27.4,
        24.9,
```



```
        32.5,
        26.3,
        21.2,
        27.5,
        26.3,
        21.3,
        25.7
      ],
    },
    {
      "channelCfi": [
        35,
        43,
        51,
        59,
        67,
        75,
        131,
        139
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        35.0,
        32.4,
        33.0,
        24.7,
        27.9,
        24.2,
        29.3,
        24.3
      ]
    },
    {
      "channelCfi": [
        39,
        55,
        71,
        135
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        35.4,
        27.7,
        27.2,
        27.3
      ]
    },
    {
      "channelCfi": [
        47
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        30.7
      ]
    }
  ],
  "requestId": "3791571852",
  "availabilityExpireTime": "2026-06-18T09:14:26Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
{
  "version": "1.4"
}
##### 2026-06-17T09:22:23Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.2.212",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1396",
    "Connection": "Keep-Alive"
  },
  "body": {
```



```
"version": "1.4",
"availableSpectrumInquiryRequests": [
{
  "requestId": "4269035776",
  "deviceDescriptor": {
    "serialNumber": "3014657286",
    "certificationId": [
      {
        "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
        "id": "TVE-251020"
      }
    ]
  },
  "location": {
    "ellipse": {
      "center": {
        "longitude": -122.010898,
        "latitude": 37.375443
      },
      "majorAxis": 30,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 80,
      "heightType": "AMSL",
      "verticalUncertainty": 30
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6865
    }
  ],
  "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,
        117,
        121,
        125,
        129,
        133,
        137,
        141,
        145,
        149,
        153,

```

```
        157,  
        161,  
        165,  
        169,  
        173,  
        177,  
        181  
    ]  
  },  
  {  
    "globalOperatingClass": 132,  
    "channelCfi": [  
      3,  
      11,  
      19,  
      27,  
      35,  
      43,  
      51,  
      59,  
      67,  
      75,  
      83,  
      91,  
      123,  
      131,  
      139,  
      147,  
      155,  
      163,  
      171,  
      179  
    ]  
  },  
  {  
    "globalOperatingClass": 133,  
    "channelCfi": [  
      7,  
      23,  
      39,  
      55,  
      71,  
      87,  
      135,  
      151,  
      167  
    ]  
  },  
  {  
    "globalOperatingClass": 134,  
    "channelCfi": [  
      15,  
      47,  
      79,  
      143  
    ]  
  },  
  {  
    "globalOperatingClass": 135,  
    "channelCfi": [  
      7,  
      23,  
      39,  
      55,  
      71,  
      87,  
      135,  
      151,  
      167  
    ]  
  },  
  {  
    "globalOperatingClass": 136,  
    "channelCfi": [  
      2  
    ]  
  },  
  {  
    }
```



Report No. : F35N1050



```
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 10.4
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 16.3
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 19.8
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 21.0
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 15.4
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 15.2
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 21.3
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 14.2
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 11.2
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 8.4
},
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 14.6
},
}
```



```
"frequencyRange": {
  "highFrequency": 6825,
  "lowFrequency": 6805
},
"maxPsd": 17.4
},
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      81,
      85,
      89,
      93,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      32.2,
      34.7,
      25.7,
      30.3,
      34.4,
      34.8,
      30.0,
      26.5,
      23.4,
      29.3,
      32.8,
      34.0,
      28.4,
      28.2,
      34.3,
      27.2,
      24.2,
      21.4,
      27.6,
      30.4
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      83,
      91,
      147,
      155,
      163,
      171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
      35.2,
      28.7,
      36.0,
      29.5,
      26.4,
      35.8,
      31.2,
      30.2,
```



```
        24.4,
        30.6
      ],
      {
        "channelCfi": [
          7,
          23,
          87,
          151,
          167
        ],
        "globalOperatingClass": 133,
        "maxEirp": [
          31.7,
          32.5,
          29.4,
          33.2,
          27.4
        ]
      },
      {
        "channelCfi": [
          15
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
          34.7
        ]
      }
    ],
    "requestId": "4269035776",
    "availabilityExpireTime": "2026-06-18T09:22:24Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  },
  "version": "1.4"
}
```

```
CT AFC SP AP AFCDRSA31 FrequencyChannel 160MHz -10628 1
##### 2026-06-17T09:28:20Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.2.212",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1395",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "327719536",
        "deviceDescriptor": {
          "serialNumber": "3014657286",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "TVE-251020"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -122.010898,
              "latitude": 37.375443
            },
            "majorAxis": 30,
            "minorAxis": 20,
            "orientation": 0
          },
          "elevation": {
```



```
        "height": 80,
        "heightType": "AMSL",
        "verticalUncertainty": 30
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5925,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6525,
        "highFrequency": 6865
      }
    ],
    "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,
          117,
          121,
          125,
          129,
          133,
          137,
          141,
          145,
          149,
          153,
          157,
          161,
          165,
          169,
          173,
          177,
          181
        ]
      },
      {
        "globalOperatingClass": 132,
        "channelCfi": [
          3,
          11,
          19,
          27,
          35,
          43,
          51,
          59,
          67,
          75,
          83,
          91,
```



```
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ]
    },
    {
      "globalOperatingClass": 133,
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ]
    },
    {
      "globalOperatingClass": 134,
      "channelCfi": [
        15,
        47,
        79,
        143
      ]
    },
    {
      "globalOperatingClass": 135,
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ]
    },
    {
      "globalOperatingClass": 136,
      "channelCfi": [
        2
      ]
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": -10
}
]
```

```
##### 2026-06-17T09:28:21Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
```



```
        "highFrequency": 5965,
        "lowFrequency": 5945
      },
      "maxPsd": 19.6
    },
    {
      "frequencyRange": {
        "highFrequency": 5985,
        "lowFrequency": 5965
      },
      "maxPsd": 13.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6005,
        "lowFrequency": 5985
      },
      "maxPsd": 11.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
      },
      "maxPsd": 12.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
      },
      "maxPsd": 11.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
      },
      "maxPsd": 16.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
      },
      "maxPsd": 12.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
      "maxPsd": 14.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 12.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 21.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 14.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
```



```
        "lowFrequency": 6645
      },
      "maxPsd": 18.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 20.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 15.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 21.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 19.6
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        32.6,
        26.3,
        24.0,
        25.4,
        24.4,
        29.3,
        25.1,
        27.1,
        25.0,
        34.0,
        27.4,
        31.1,
        33.0,
        28.6,
        34.2,
        32.6
      ]
    },
    {
      "channelCfi": [
        3,
        11,
        19,
```



```
        27,
        131,
        139,
        147,
        155
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        29.3,
        27.0,
        27.4,
        28.1,
        28.0,
        30.4,
        31.6,
        35.6
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        135,
        151
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        30.0,
        30.4,
        31.0,
        34.6
      ]
    },
    {
      "channelCfi": [
        15,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        33.0,
        34.0
      ]
    }
  ],
  "requestId": "327719536",
  "availabilityExpireTime": "2026-06-18T09:28:21Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
},
{
  "version": "1.4"
}
}

##### 2026-06-17T09:35:27Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.2.212",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1395",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "757346533",
        "deviceDescriptor": {
          "serialNumber": "3014657286",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "TVE-251020"
            }
          ]
        }
      }
    ]
  }
}
```



```
    },
    "location": {
      "ellipse": {
        "center": {
          "longitude": -122.010898,
          "latitude": 37.375443
        },
        "majorAxis": 30,
        "minorAxis": 20,
        "orientation": 0
      },
      "elevation": {
        "height": 80,
        "heightType": "AMSL",
        "verticalUncertainty": 30
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5925,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6525,
        "highFrequency": 6865
      }
    ],
    "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,
          117,
          121,
          125,
          129,
          133,
          137,
          141,
          145,
          149,
          153,
          157,
          161,
          165,
          169,
          173,
          177,
          181
        ]
      },
      {
        "globalOperatingClass": 132,
        "channelCfi": [
```



```
        3,  
        11,  
        19,  
        27,  
        35,  
        43,  
        51,  
        59,  
        67,  
        75,  
        83,  
        91,  
        123,  
        131,  
        139,  
        147,  
        155,  
        163,  
        171,  
        179  
    ]  
  },  
  {  
    "globalOperatingClass": 133,  
    "channelCfi": [  
      7,  
      23,  
      39,  
      55,  
      71,  
      87,  
      135,  
      151,  
      167  
    ]  
  },  
  {  
    "globalOperatingClass": 134,  
    "channelCfi": [  
      15,  
      47,  
      79,  
      143  
    ]  
  },  
  {  
    "globalOperatingClass": 135,  
    "channelCfi": [  
      7,  
      23,  
      39,  
      55,  
      71,  
      87,  
      135,  
      151,  
      167  
    ]  
  },  
  {  
    "globalOperatingClass": 136,  
    "channelCfi": [  
      2  
    ]  
  },  
  {  
    "globalOperatingClass": 137,  
    "channelCfi": [  
      31,  
      63  
    ]  
  }  
],  
"minDesiredPower": -10  
}  
]  
}
```



```
##### 2026-06-17T09:35:27Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 19.6
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 13.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 11.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 12.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 11.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 16.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 12.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },
          "maxPsd": 14.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6605,
            "lowFrequency": 6585
          },
          "maxPsd": 12.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6625,
            "lowFrequency": 6605
          },
          "maxPsd": 12.0
        }
      ]
    }
  ]
}
```



```
"maxPsd": 21.0
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 14.4
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 18.1
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 20.0
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 15.6
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 21.2
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 19.6
}
},
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      32.6,
      26.3,
      24.0,
      25.4,
      24.4,
      29.3,
      25.1,
      27.1,
      25.0,
      34.0,
      27.4,
```



```
        31.1,  
        33.0,  
        28.6,  
        34.2,  
        32.6  
    ],  
    },  
    {  
        "channelCfi": [  
            3,  
            11,  
            19,  
            27,  
            131,  
            139,  
            147,  
            155  
        ],  
        "globalOperatingClass": 132,  
        "maxEirp": [  
            29.3,  
            27.0,  
            27.4,  
            28.1,  
            28.0,  
            30.4,  
            31.6,  
            35.6  
        ]  
    },  
    {  
        "channelCfi": [  
            7,  
            23,  
            135,  
            151  
        ],  
        "globalOperatingClass": 133,  
        "maxEirp": [  
            30.0,  
            30.4,  
            31.0,  
            34.6  
        ]  
    },  
    {  
        "channelCfi": [  
            15,  
            143  
        ],  
        "globalOperatingClass": 134,  
        "maxEirp": [  
            33.0,  
            34.0  
        ]  
    }  
    },  
    "requestId": "757346533",  
    "availabilityExpireTime": "2026-06-18T09:35:27Z",  
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
},  
"version": "1.4"  
}
```

```
##### 2026-06-17T09:42:52Z #####  
{  
    "headers": {  
        "Host": "testserver.wfatestorg.org",  
        "Accept": "*/*",  
        "Content-Type": "application/json",  
        "X-Forwarded-For": "192.168.2.212",  
        "X-Forwarded-Host": "testserver.wfatestorg.org",  
        "X-Forwarded-Server": "testserver.wfatestorg.org",  
        "Content-Length": "1396",  
        "Connection": "Keep-Alive"  
    },  
    "body": {
```



```
"version": "1.4",
"availableSpectrumInquiryRequests": [
{
  "requestId": "1201894559",
  "deviceDescriptor": {
    "serialNumber": "3014657286",
    "certificationId": [
      {
        "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
        "id": "TVE-251020"
      }
    ]
  },
  "location": {
    "ellipse": {
      "center": {
        "longitude": -122.010898,
        "latitude": 37.375443
      },
      "majorAxis": 30,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 80,
      "heightType": "AMSL",
      "verticalUncertainty": 30
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6865
    }
  ],
  "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,
        117,
        121,
        125,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
```



```
        157,  
        161,  
        165,  
        169,  
        173,  
        177,  
        181  
    ]  
  },  
  {  
    "globalOperatingClass": 132,  
    "channelCfi": [  
      3,  
      11,  
      19,  
      27,  
      35,  
      43,  
      51,  
      59,  
      67,  
      75,  
      83,  
      91,  
      123,  
      131,  
      139,  
      147,  
      155,  
      163,  
      171,  
      179  
    ]  
  },  
  {  
    "globalOperatingClass": 133,  
    "channelCfi": [  
      7,  
      23,  
      39,  
      55,  
      71,  
      87,  
      135,  
      151,  
      167  
    ]  
  },  
  {  
    "globalOperatingClass": 134,  
    "channelCfi": [  
      15,  
      47,  
      79,  
      143  
    ]  
  },  
  {  
    "globalOperatingClass": 135,  
    "channelCfi": [  
      7,  
      23,  
      39,  
      55,  
      71,  
      87,  
      135,  
      151,  
      167  
    ]  
  },  
  {  
    "globalOperatingClass": 136,  
    "channelCfi": [  
      2  
    ]  
  },  
  {  
    }
```



```
        "globalOperatingClass": 137,
        "channelCf": [
            31,
            63
        ]
    },
    "minDesiredPower": -10
}
]
}
}
}
}
##### 2026-06-17T09:42:53Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [
                {
                    "frequencyRange": {
                        "highFrequency": 6125,
                        "lowFrequency": 6105
                    },
                    "maxPsd": 18.7
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6145,
                        "lowFrequency": 6125
                    },
                    "maxPsd": 16.7
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6165,
                        "lowFrequency": 6145
                    },
                    "maxPsd": 17.9
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6185,
                        "lowFrequency": 6165
                    },
                    "maxPsd": 13.7
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6205,
                        "lowFrequency": 6185
                    },
                    "maxPsd": 12.4
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6225,
                        "lowFrequency": 6205
                    },
                    "maxPsd": 13.8
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6245,
                        "lowFrequency": 6225
                    },
                    "maxPsd": 16.3
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6265,
                        "lowFrequency": 6245
                    },
                    "maxPsd": 16.9
                }
            ]
        }
    ]
}
```



```
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 14.3
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 8.9
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 11.9
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 9.1
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 21.8
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 14.7
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 10.7
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 10.1
}
},
"availableChannelInfo": [
  {
    "channelCfi": [
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93
    ],
    "globalOperatingClass": 131,
  }
]
```

```

        "maxEirp": [
            31.7,
            29.7,
            30.9,
            26.7,
            25.4,
            26.8,
            29.3,
            29.9,
            27.3,
            21.9,
            24.9,
            22.1,
            34.8,
            27.7,
            23.7,
            23.1
        ]
    },
    {
        "channelCfi": [
            35,
            43,
            51,
            59,
            67,
            75,
            83,
            91
        ],
        "globalOperatingClass": 132,
        "maxEirp": [
            32.7,
            29.7,
            28.4,
            32.3,
            24.9,
            25.1,
            30.7,
            26.1
        ]
    },
    {
        "channelCfi": [
            39,
            55,
            71,
            87
        ],
        "globalOperatingClass": 133,
        "maxEirp": [
            32.7,
            31.4,
            27.9,
            29.1
        ]
    },
    {
        "channelCfi": [
            47,
            79
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
            34.4,
            30.9
        ]
    },
    {
        "channelCfi": [
            63
        ],
        "globalOperatingClass": 137,
        "maxEirp": [
            34.0
        ]
    }
],

```



```
"requestId": "1201894559",
"availabilityExpireTime": "2026-06-18T09:42:53Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
},
"version": "1.4"
}

CT AFC SP AP AFCDRSA31 FrequencyChannel 320MHz -10715 1
##### 2026-06-17T05:55:07Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.2.212",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1395",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "421357821",
        "deviceDescriptor": {
          "serialNumber": "3014657286",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "TVE-251020"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -122.010898,
              "latitude": 37.375443
            },
            "majorAxis": 30,
            "minorAxis": 20,
            "orientation": 0
          },
          "elevation": {
            "height": 80,
            "heightType": "AMSL",
            "verticalUncertainty": 30
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5925,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6865
          }
        ],
        "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,  
117,  
121,  
125,  
129,  
133,  
137,  
141,  
145,  
149,  
153,  
157,  
161,  
165,  
169,  
173,  
177,  
181  
]  
,  
{  
  "globalOperatingClass": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    123,  
    131,  
    139,  
    147,  
    155,  
    163,  
    171,  
    179  
  ]  
,  
{  
  "globalOperatingClass": 133,  
  "channelCfi": [  
    7,  
    23,  
    39,  
    55,  
    71,  
    87,  
    135,  
    151,  
    167  
  ]  
,  
{  
  "globalOperatingClass": 134,  
  "channelCfi": [  
    15,  
    47,  
    79,  
    143
```



```
    }
    {
      "globalOperatingClass": 135,
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ]
    },
    {
      "globalOperatingClass": 136,
      "channelCfi": [
        2
      ]
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": -10
}
]
}
}

##### 2026-06-17T05:55:07Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 19.0
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 19.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 15.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 17.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          }
        }
      ]
    }
  ]
}
```



```
    "maxPsd": 9.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 20.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 16.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 21.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 9.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 18.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 14.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 20.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 11.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 12.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 17.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 17.6
  }
```

```

    }
  },
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        32.0,
        32.8,
        28.2,
        30.1,
        22.5,
        33.0,
        29.7,
        34.8,
        22.1,
        31.7,
        27.5,
        33.6,
        24.5,
        25.6,
        30.1,
        30.6
      ]
    },
    {
      "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        51,
        59
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        35.0,
        31.2,
        25.5,
        32.7,
        25.1,
        30.5,
        27.5,
        33.1
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        34.2,
        28.5,
        28.1,
        30.5
      ]
    }
  ]
}

```



```
    ],
    {
      "channelCfi": [
        15,
        47
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        31.5,
        31.1
      ]
    },
    {
      "channelCfi": [
        31
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        34.2
      ]
    }
  ],
  "requestId": "421357821",
  "availabilityExpireTime": "2026-06-18T05:55:07Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
{
  "version": "1.4"
}
##### 2026-06-17T06:00:40Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.2.212",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1395",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "754955252",
        "deviceDescriptor": {
          "serialNumber": "3014657286",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "TVE-251020"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "longitude": -122.010898,
          "latitude": 37.375443
        },
        "majorAxis": 30,
        "minorAxis": 20,
        "orientation": 0
      },
      "elevation": {
        "height": 80,
        "heightType": "AMSL",
        "verticalUncertainty": 30
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5925,
        "highFrequency": 6425
      }
    ]
  }
}
```



```
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6865
    }
  ],
  "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,
        117,
        121,
        125,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
      ]
    },
    {
      "globalOperatingClass": 132,
      "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ]
    }
  ],
}
```



```
{
  {
    "globalOperatingClass": 133,
    "channelCfi": [
      7,
      23,
      39,
      55,
      71,
      87,
      135,
      151,
      167
    ]
  },
  {
    "globalOperatingClass": 134,
    "channelCfi": [
      15,
      47,
      79,
      143
    ]
  },
  {
    "globalOperatingClass": 135,
    "channelCfi": [
      7,
      23,
      39,
      55,
      71,
      87,
      135,
      151,
      167
    ]
  },
  {
    "globalOperatingClass": 136,
    "channelCfi": [
      2
    ]
  },
  {
    "globalOperatingClass": 137,
    "channelCfi": [
      31,
      63
    ]
  }
],
"minDesiredPower": -10
}
]
```

```
##### 2026-06-17T06:00:40Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 6.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          }
        }
      ]
    }
  ]
}
```



```
    "maxPsd": 10.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 2.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 6.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": -1.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 6.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 4.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 5.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 4.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 11.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 6.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 10.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": -1.2
  }
```

```

    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 7.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 13.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 10.4
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        19.4,
        23.9,
        15.1,
        19.8,
        11.6,
        19.1,
        17.6,
        18.9,
        17.0,
        24.6,
        19.4,
        23.3,
        11.8,
        20.4,
        26.3,
        23.4
      ]
    },
    {
      "channelCfi": [
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        22.4,
        18.1,

```

```

        14.6,
        20.6,
        20.0,
        22.4,
        14.8,
        26.4
    ],
    },
    {
        "channelCfi": [
            39,
            55,
            71,
            87
        ],
        "globalOperatingClass": 133,
        "maxEirp": [
            21.1,
            17.6,
            23.0,
            17.8
        ]
    },
    {
        "channelCfi": [
            47,
            79
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
            20.6,
            20.8
        ]
    },
    {
        "channelCfi": [
            63
        ],
        "globalOperatingClass": 137,
        "maxEirp": [
            23.7
        ]
    }
    ],
    "requestId": "754955252",
    "availabilityExpireTime": "2026-06-18T06:00:40Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
},
"version": "1.4"
}

##### 2026-06-17T06:01:12Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "192.168.2.212",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "1395",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "786797198",
                "deviceDescriptor": {
                    "serialNumber": "3014657286",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "TVE-251020"
                        }
                    ]
                }
            }
        ]
    },
    },

```



```
"location": {
  "ellipse": {
    "center": {
      "longitude": -122.010898,
      "latitude": 37.375443
    },
    "majorAxis": 30,
    "minorAxis": 20,
    "orientation": 0
  },
  "elevation": {
    "height": 80,
    "heightType": "AMSL",
    "verticalUncertainty": 30
  },
  "indoorDeployment": 2
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5925,
    "highFrequency": 6425
  },
  {
    "lowFrequency": 6525,
    "highFrequency": 6865
  }
],
"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,
      117,
      121,
      125,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173,
      177,
      181
    ]
  },
  {
    "globalOperatingClass": 132,
    "channelCfi": [
      3,
```



```
        11,  
        19,  
        27,  
        35,  
        43,  
        51,  
        59,  
        67,  
        75,  
        83,  
        91,  
        123,  
        131,  
        139,  
        147,  
        155,  
        163,  
        171,  
        179  
    ],  
    },  
    {  
        "globalOperatingClass": 133,  
        "channelCfi": [  
            7,  
            23,  
            39,  
            55,  
            71,  
            87,  
            135,  
            151,  
            167  
        ]  
    },  
    {  
        "globalOperatingClass": 134,  
        "channelCfi": [  
            15,  
            47,  
            79,  
            143  
        ]  
    },  
    {  
        "globalOperatingClass": 135,  
        "channelCfi": [  
            7,  
            23,  
            39,  
            55,  
            71,  
            87,  
            135,  
            151,  
            167  
        ]  
    },  
    {  
        "globalOperatingClass": 136,  
        "channelCfi": [  
            2  
        ]  
    },  
    {  
        "globalOperatingClass": 137,  
        "channelCfi": [  
            31,  
            63  
        ]  
    }  
],  
    "minDesiredPower": -10  
}  
]  
}
```



```
##### 2026-06-17T06:01:12Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 6.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 10.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
          },
          "maxPsd": 2.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6185,
            "lowFrequency": 6165
          },
          "maxPsd": 6.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6205,
            "lowFrequency": 6185
          },
          "maxPsd": -1.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6225,
            "lowFrequency": 6205
          },
          "maxPsd": 6.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6245,
            "lowFrequency": 6225
          },
          "maxPsd": 4.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6265,
            "lowFrequency": 6245
          },
          "maxPsd": 5.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6285,
            "lowFrequency": 6265
          },
          "maxPsd": 4.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6305,
            "lowFrequency": 6285
          },
          "maxPsd": 11.6
        }
      ]
    }
  ]
}
```

```

    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 6.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 10.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": -1.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 7.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 13.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 10.4
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        19.4,
        23.9,
        15.1,
        19.8,
        11.6,
        19.1,
        17.6,
        18.9,
        17.0,
        24.6,
        19.4,
        23.3,

```



```
        11.8,
        20.4,
        26.3,
        23.4
      ]
    },
    {
      "channelCfi": [
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        22.4,
        18.1,
        14.6,
        20.6,
        20.0,
        22.4,
        14.8,
        26.4
      ]
    },
    {
      "channelCfi": [
        39,
        55,
        71,
        87
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        21.1,
        17.6,
        23.0,
        17.8
      ]
    },
    {
      "channelCfi": [
        47,
        79
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        20.6,
        20.8
      ]
    },
    {
      "channelCfi": [
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        23.7
      ]
    }
  ],
  "requestId": "786797198",
  "availabilityExpireTime": "2026-06-18T06:01:12Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
},
{
  "version": "1.4"
}
```

```
CT AFC SP AP AFCDUSA32 FrequencyChannel 10629 1
##### 2026-06-18T03:14:56Z #####
{
  "headers": {
```



```
"Host": "testserver.wfatestorg.org",
"Accept": "**/*",
"Content-Type": "application/json",
"X-Forwarded-For": "192.168.2.212",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "1395",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "423191115",
      "deviceDescriptor": {
        "serialNumber": "3014657286",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "TVE-251020"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "longitude": -122.010898,
        "latitude": 37.375443
      },
      "majorAxis": 30,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 80,
      "heightType": "AMSL",
      "verticalUncertainty": 30
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6865
    }
  ],
  "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,

```

```
        117,  
        121,  
        125,  
        129,  
        133,  
        137,  
        141,  
        145,  
        149,  
        153,  
        157,  
        161,  
        165,  
        169,  
        173,  
        177,  
        181  
    ]  
  },  
  {  
    "globalOperatingClass": 132,  
    "channelCfi": [  
      3,  
      11,  
      19,  
      27,  
      35,  
      43,  
      51,  
      59,  
      67,  
      75,  
      83,  
      91,  
      123,  
      131,  
      139,  
      147,  
      155,  
      163,  
      171,  
      179  
    ]  
  },  
  {  
    "globalOperatingClass": 133,  
    "channelCfi": [  
      7,  
      23,  
      39,  
      55,  
      71,  
      87,  
      135,  
      151,  
      167  
    ]  
  },  
  {  
    "globalOperatingClass": 134,  
    "channelCfi": [  
      15,  
      47,  
      79,  
      143  
    ]  
  },  
  {  
    "globalOperatingClass": 135,  
    "channelCfi": [  
      7,  
      23,  
      39,  
      55,  
      71,  
      87,  
      135,  
      151,
```



```
        167
      ]
    },
    {
      "globalOperatingClass": 136,
      "channelCfi": [
        2
      ]
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": -10
}
}
}
}

##### 2026-06-18T03:14:57Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "availableChannelInfo": [],
      "requestId": "423191115",
      "availabilityExpireTime": "2026-06-19T03:14:57Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

CT AFC SP AP AFCDSAU33 FrequencyChannel_10630_1
##### 2026-06-18T04:50:46Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*//*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.2.212",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1395",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "422205837",
        "deviceDescriptor": {
          "serialNumber": "3014657286",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "TVE-251020"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -122.010898,
              "latitude": 37.375443
            },
            "majorAxis": 30,
            "minorAxis": 20,
            "orientation": 0
          }
        }
      }
    ]
  }
}
```



```
    },
    "elevation": {
      "height": 80,
      "heightType": "AMSL",
      "verticalUncertainty": 30
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6865
    }
  ],
  "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,
        117,
        121,
        125,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
      ]
    },
    {
      "globalOperatingClass": 132,
      "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        51,
        59,
        67,
        75,
```



```
##### 2026-06-18T04:50:46Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [

```



```
{
  "frequencyRange": {
    "highFrequency": 5965,
    "lowFrequency": 5945
  },
  "maxPsd": 21.8
},
{
  "frequencyRange": {
    "highFrequency": 5985,
    "lowFrequency": 5965
  },
  "maxPsd": 22.0
},
{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 9.0
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 10.7
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 17.5
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 20.5
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 14.4
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 16.4
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 14.6
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 8.9
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 17.2
},
}
```

```

    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 10.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 16.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 9.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 20.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 8.8
  }
},
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93,
      161,
      165,
      169,
      173
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      34.8,
      35.0,
      22.0,
      23.7,
      30.5,
      33.5,
      27.4,
      29.4,
      27.6,
      21.9,
      30.2,
      23.6,
      29.9,
      22.1,
      33.9,
      21.8
    ]
  }
],
"channelCfi": [
  3,

```



```
        11,
        67,
        75,
        83,
        91,
        163,
        171
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        36.0,
        25.0,
        33.5,
        30.4,
        24.9,
        26.6,
        25.1,
        24.8
      ]
    },
    {
      "channelCfi": [
        7,
        71,
        87,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        28.0,
        33.4,
        27.9,
        27.8
      ]
    },
    {
      "channelCfi": [
        79
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        30.9
      ]
    }
  ],
  "requestId": "422205837",
  "availabilityExpireTime": "2026-06-19T04:50:46Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
{
  "version": "1.4"
}
```

```
CT AFC SP AP AFCDUAU34 FrequencyChannel_10631_1
##### 2026-06-18T05:10:13Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.2.212",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1395",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "422671021",
        "deviceDescriptor": {
          "serialNumber": "3014657286",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "TVE-251020"
            }
          ]
        }
      }
    ]
  }
}
```



```
    }  
  ]  
},  
"location": {  
  "ellipse": {  
    "center": {  
      "longitude": -122.010898,  
      "latitude": 37.375443  
    },  
    "majorAxis": 30,  
    "minorAxis": 20,  
    "orientation": 0  
  },  
  "elevation": {  
    "height": 80,  
    "heightType": "AMSL",  
    "verticalUncertainty": 30  
  },  
  "indoorDeployment": 2  
},  
"inquiredFrequencyRange": [  
  {  
    "lowFrequency": 5925,  
    "highFrequency": 6425  
  },  
  {  
    "lowFrequency": 6525,  
    "highFrequency": 6865  
  }  
],  
"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,  
      117,  
      121,  
      125,  
      129,  
      133,  
      137,  
      141,  
      145,  
      149,  
      153,  
      157,  
      161,  
      165,  
      169,  
      173,  
      177,  
      181  
    ]  
  },  
  {  
    }
```



```
        "globalOperatingClass": 132,  
        "channelCfi": [  
            3,  
            11,  
            19,  
            27,  
            35,  
            43,  
            51,  
            59,  
            67,  
            75,  
            83,  
            91,  
            123,  
            131,  
            139,  
            147,  
            155,  
            163,  
            171,  
            179  
        ]  
    },  
    {  
        "globalOperatingClass": 133,  
        "channelCfi": [  
            7,  
            23,  
            39,  
            55,  
            71,  
            87,  
            135,  
            151,  
            167  
        ]  
    },  
    {  
        "globalOperatingClass": 134,  
        "channelCfi": [  
            15,  
            47,  
            79,  
            143  
        ]  
    },  
    {  
        "globalOperatingClass": 135,  
        "channelCfi": [  
            7,  
            23,  
            39,  
            55,  
            71,  
            87,  
            135,  
            151,  
            167  
        ]  
    },  
    {  
        "globalOperatingClass": 136,  
        "channelCfi": [  
            2  
        ]  
    },  
    {  
        "globalOperatingClass": 137,  
        "channelCfi": [  
            31,  
            63  
        ]  
    }  
],  
    "minDesiredPower": -10  
}
```



```
}
}
##### 2026-06-18T05:10:13Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5945,
            "lowFrequency": 5925
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 6125,
```



```
        "lowFrequency": 6105
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 23
    }
  ]
}
```



Report No. : F35N1050

```

    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6845,
      "lowFrequency": 6825
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6865,
      "lowFrequency": 6845
    },
    "maxPsd": 23
  }
},
"availableChannelInfo": [
  {
    "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,
    117,
    121,
    125,
    129,
    133,
    137,
    141,
    145,
    149,
    153,
    157,
    161,
    165,
    169,
    173,
    177,
    181
  ],
  "globalOperatingClass": 131,
  "maxEirp": [

```

[illegible]
$$\left. \begin{array}{l} \{, \\ \} \end{array} \right\} \quad]$$

```
{
  "channelCfi": [
    3,
    11,
    19,
    27,
    35,
    43,
    51,
    59,
    67,
    75,
    83,
    91,
    123,
    131,
    139,
    147,
    155,
    163,
    171,
    179
  ],
  "globalOperatingClass": 132,
  "maxEirp": [
    36.0,
    36.0,
    36.0,
    36.0,
    36.0,
    36.0,
    36.0,
    36.0,
    36.0,
    36.0,
    36.0,
    36.0,
    36.0,
    36.0,
    36.0,
    36.0,
    36.0,
    36.0,
    36.0,
    36.0
  ]
},
{
  "channelCfi": [
    7,
    23,
    39,
    55,
    71,
    87,
    135,
    151,
    167
  ],
  "globalOperatingClass": 133,
  "maxEirp": [
    36.0,
    36.0,
    36.0,
    36.0,
    36.0,
    36.0,
    36.0,
    36.0,
    36.0,
    36.0
  ]
},
{
  "channelCfi": [
    15,
    47,
    79,
    143
```



```
    },
    "globalOperatingClass": 134,
    "maxEirp": [
      36.0,
      36.0,
      36.0,
      36.0
    ]
  },
  {
    "channelCfi": [
      2
    ],
    "globalOperatingClass": 136,
    "maxEirp": [
      36.0
    ]
  }
},
"requestId": "422671021",
"availabilityExpireTime": "2026-06-19T05:10:13Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
},
"version": "1.4"
}
```

AFC capability - Inquired Frequency & Channel

AFCD.RSA: Successful registration and spectrum access request								
Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	EIRP (dBm)	AFC Response Limit (dBm)	Result	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
6615	SP	20	25.15	34.8	Pass	12.07	21.8	Pass
6795	SP	20	25.14	34.1	Pass	11.48	21.1	Pass
6245	SP	40	27.14	36	Pass	10.79	20.4	Pass
6085	SP	40	26.95	32.2	Pass	10.4	16.2	Pass
6145	SP	80	26.16	35.4	Pass	7.87	16.4	Pass
6705	SP	80	24.47	33.2	Pass	4.88	14.2	Pass
6665	SP	160	24.11	34	Pass	1.13	12	Pass
6185	SP	160	20.12	34.4	Pass	-1.47	12.4	Pass
6105	SP	320	19.2	34.2	Pass	-4.84	9.1	Pass
6265	SP	320	23.39	23.7	Pass	-1.97	-1.4	Pass

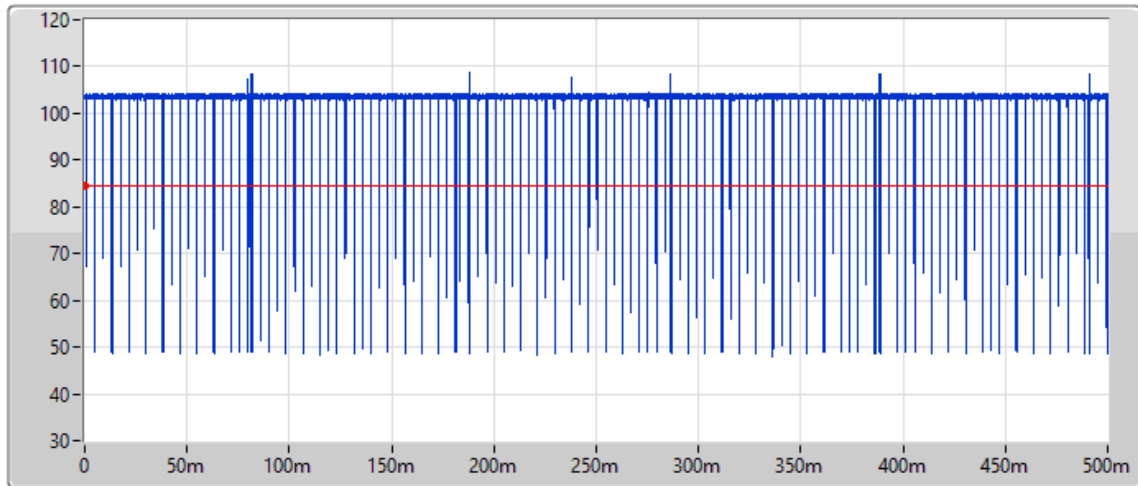
AFCD.SAU: Successful spectrum access update								
Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	EIRP (dBm)	AFC Response Limit (dBm)	Result	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
5975	SP	20	25.95	35	Pass	12.46	22	Pass

AFCD.UAU: Unsuccessful spectrum access update								
Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	EIRP (dBm)	AFC Response Limit (dBm)	Result	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
6775	SP	20	25.09	36	Pass	12.12	23	Pass

Duty Cycle

Bandwidth: 20MHz

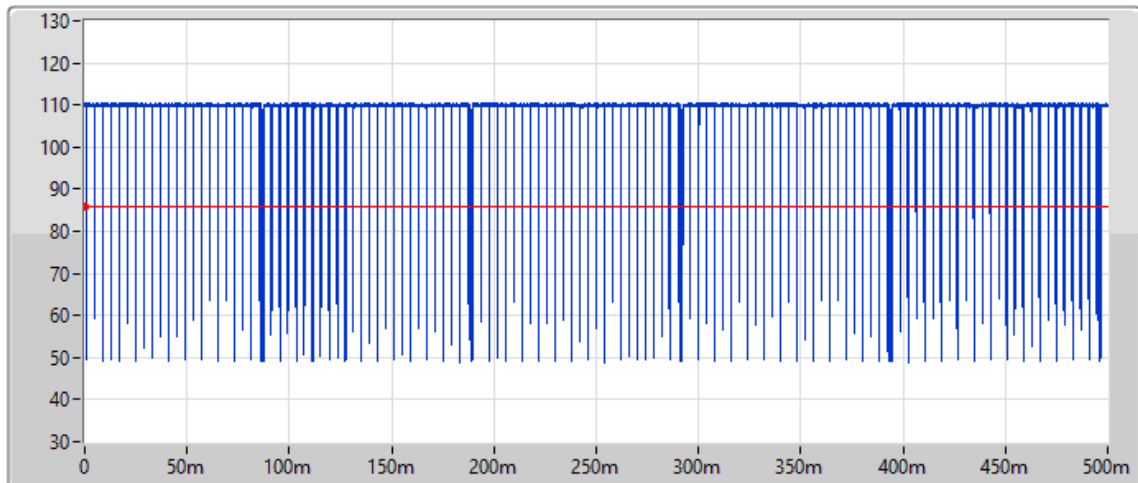
DC;Band:be20;20;BWch:1,(M0)MHz;Nss:0.965



Ch Freq (Hz)	RBW (Hz)	VBW (Hz)	Sweep Time (s)	Total Sample	Sample Time (s)	TX Time (s)	DC
6.715G	10M	10M	500m	32001	15.625u	482.390625m	0.965

Bandwidth: 40MHz

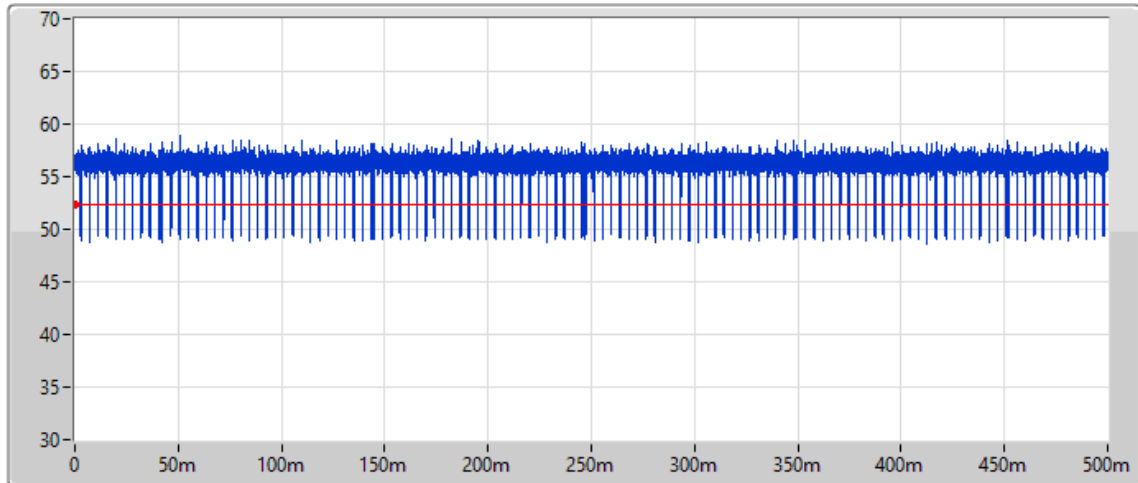
DC;Band:be40;20;BWch:1,(M0)MHz;Nss:0.921



Ch Freq (Hz)	RBW (Hz)	VBW (Hz)	Sweep Time (s)	Total Sample	Sample Time (s)	TX Time (s)	DC
6.245G	10M	10M	500m	32001	15.625u	460.359375m	0.921

Bandwidth: 80MHz

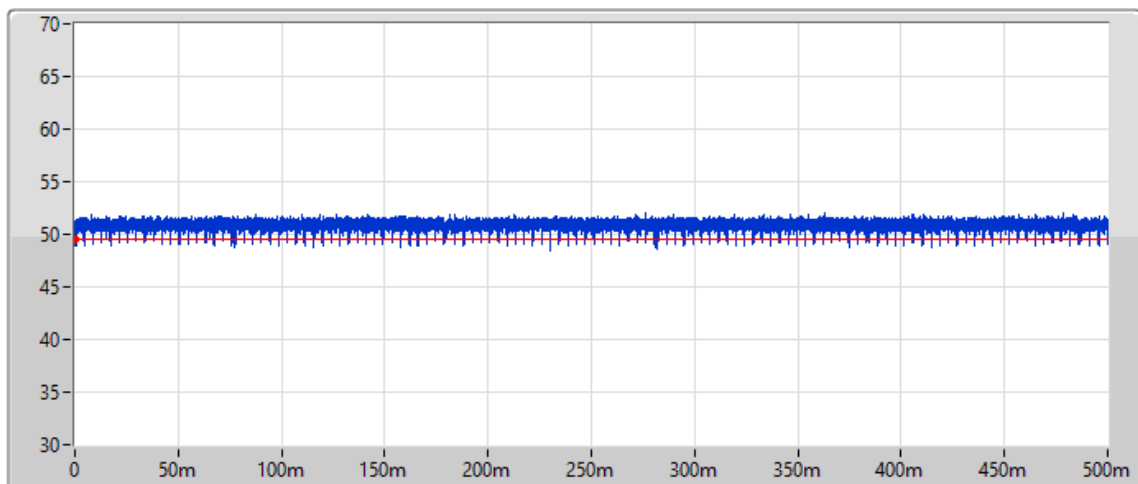
DC;Band:be80;20;BWch:1,(M0)MHz;Nss:0.924



Ch Freq (Hz)	RBW (Hz)	VBW (Hz)	Sweep Time (s)	Total Sample	Sample Time (s)	TX Time (s)	DC
6.245G	10M	10M	500m	32001	15.625u	461.765625m	0.924

Bandwidth: 160MHz

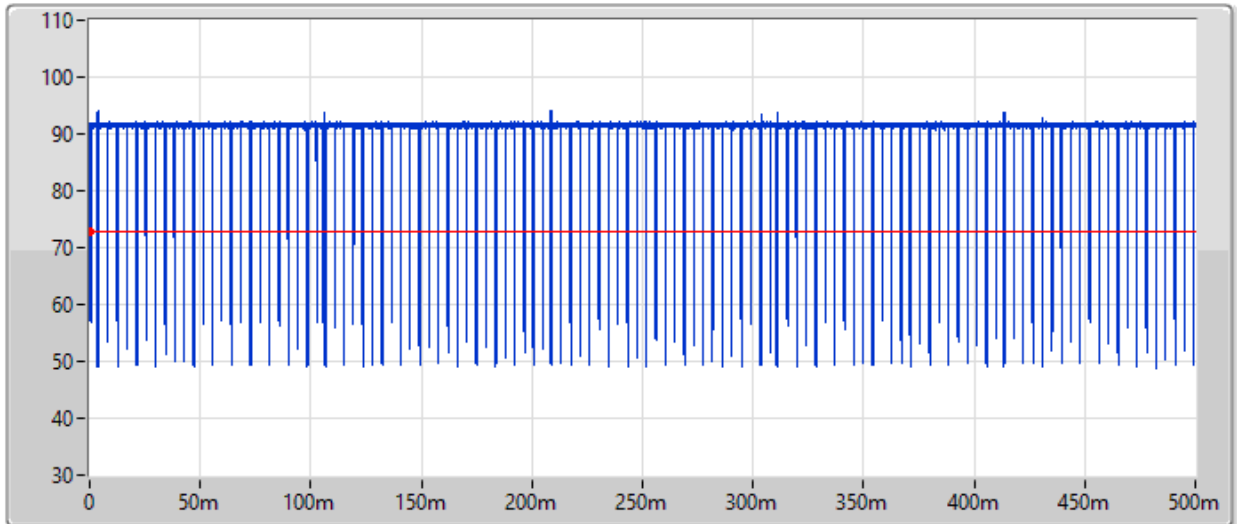
DC;Band:be160;20;BWch:1,(M0)MHz;Nss:0.975



Ch Freq (Hz)	RBW (Hz)	VBW (Hz)	Sweep Time (s)	Total Sample	Sample Time (s)	TX Time (s)	DC
6.245G	10M	10M	500m	32001	15.625u	487.484375m	0.975

Bandwidth: 320MHz

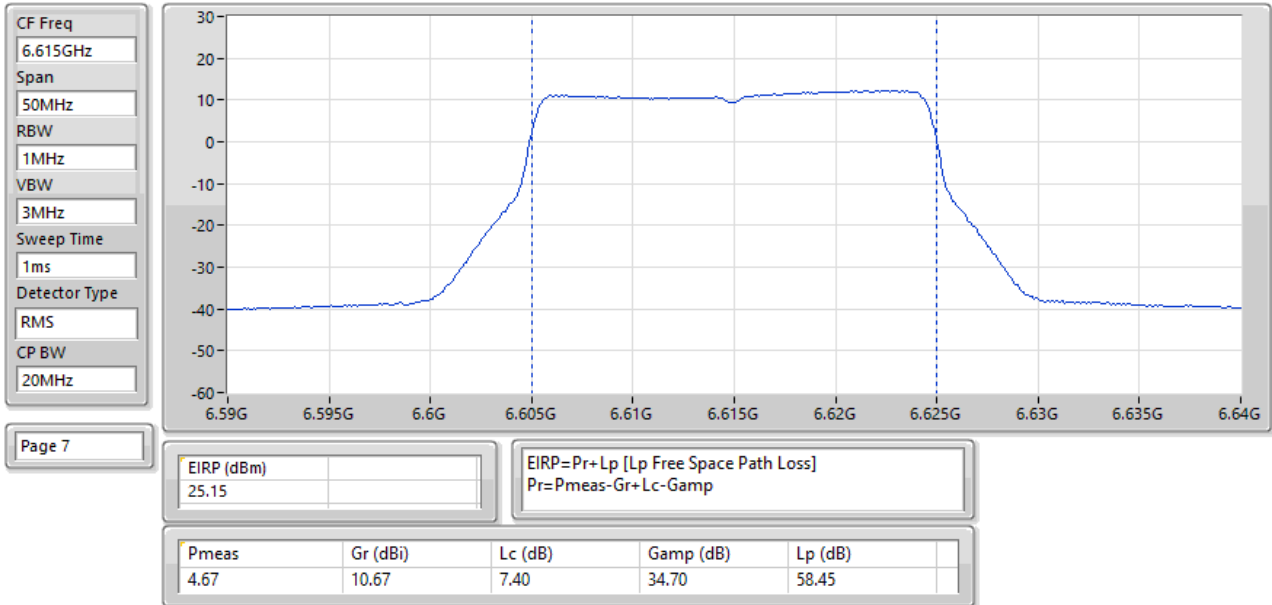
DC;Band:be320;20;BWch:1,(M0)MHz;Nss:0.929



Ch Freq (Hz)	RBW (Hz)	VBW (Hz)	Sweep Time (s)	Total Sample	Sample Time (s)	TX Time (s)	DC
6.265G	10M	10M	500m	32001	15.625u	464.5m	0.929

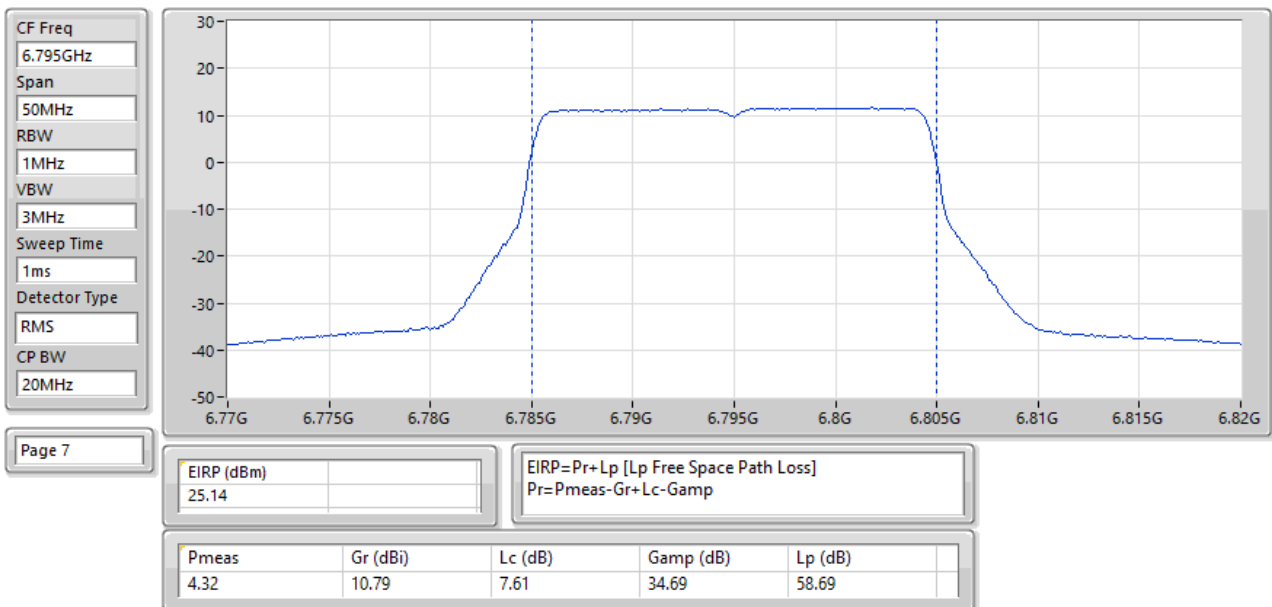
17/06/2026

EIRP;Band:6.7G;be20S;BWch:20MHz;Nss:1,(M0);Nant:1;Ch:6615MHz;TX



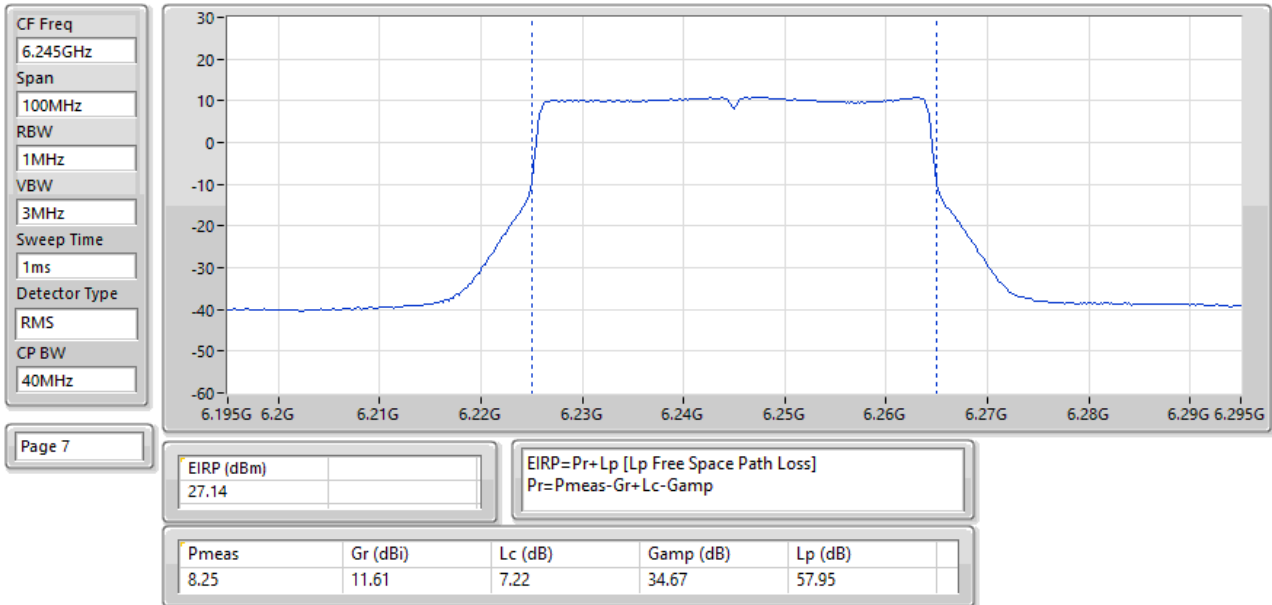
17/06/2026

EIRP;Band:6.7G;be20S;BWch:20MHz;Nss:1,(M0);Nant:1;Ch:6795MHz;TX



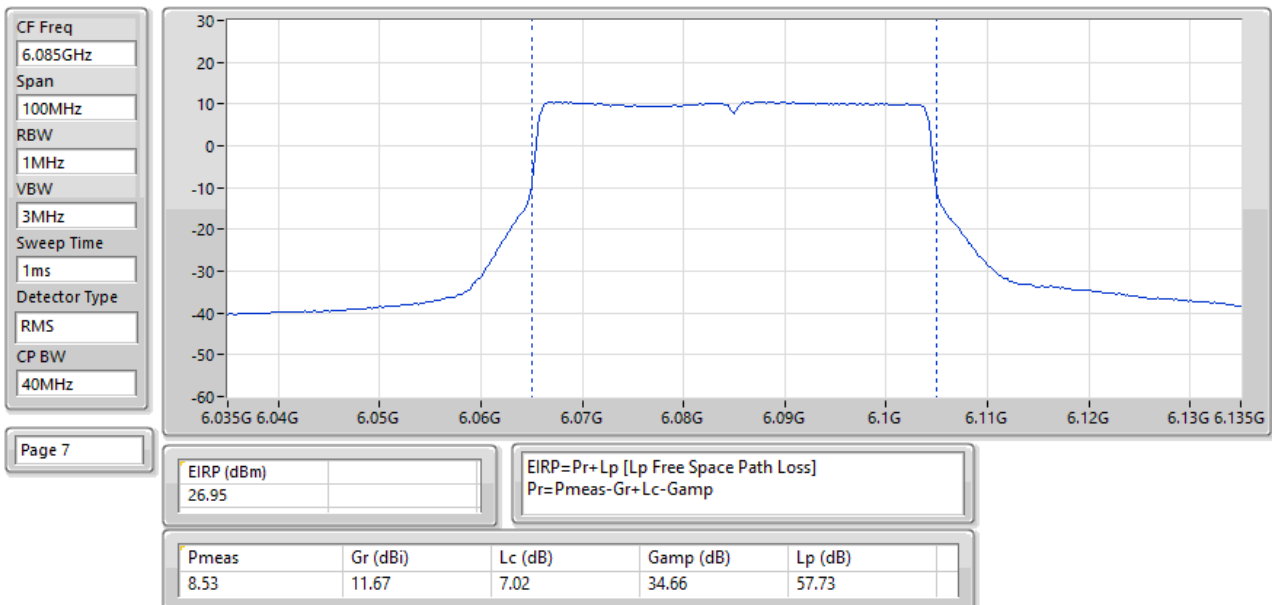
17/06/2026

EIRP;Band:6.2G;be40S;BWch:40MHz;Nss:1,(M0);Nant:1;Ch:6245MHz;TX



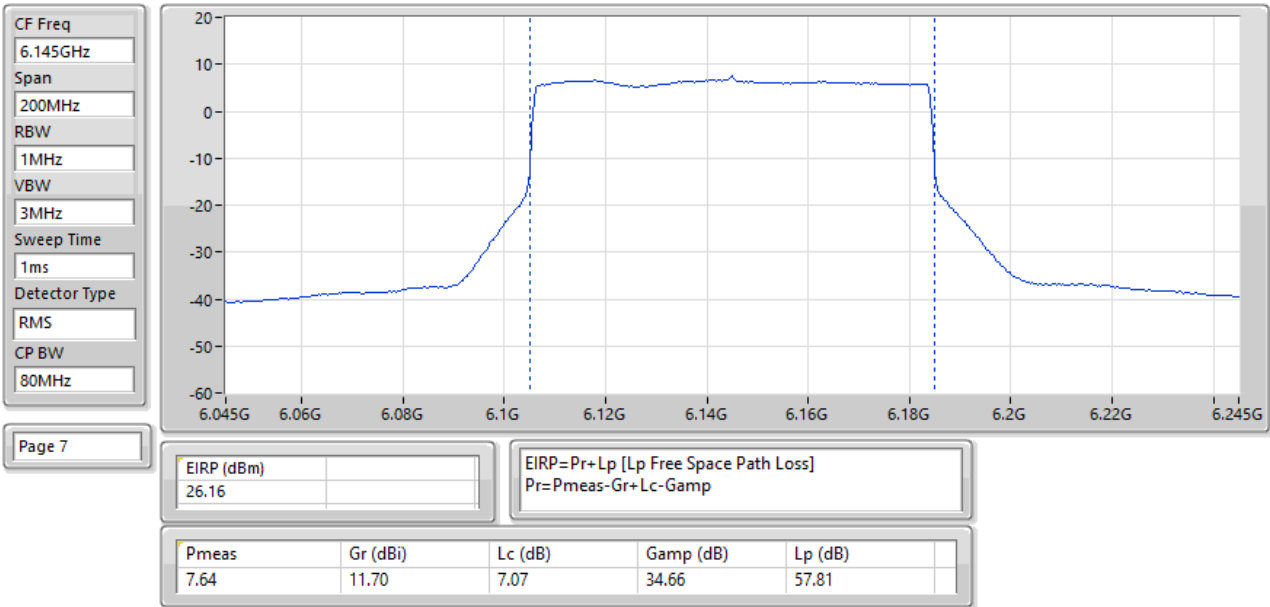
17/06/2026

EIRP;Band:6.2G;be40S;BWch:40MHz;Nss:1,(M0);Nant:1;Ch:6085MHz;TX



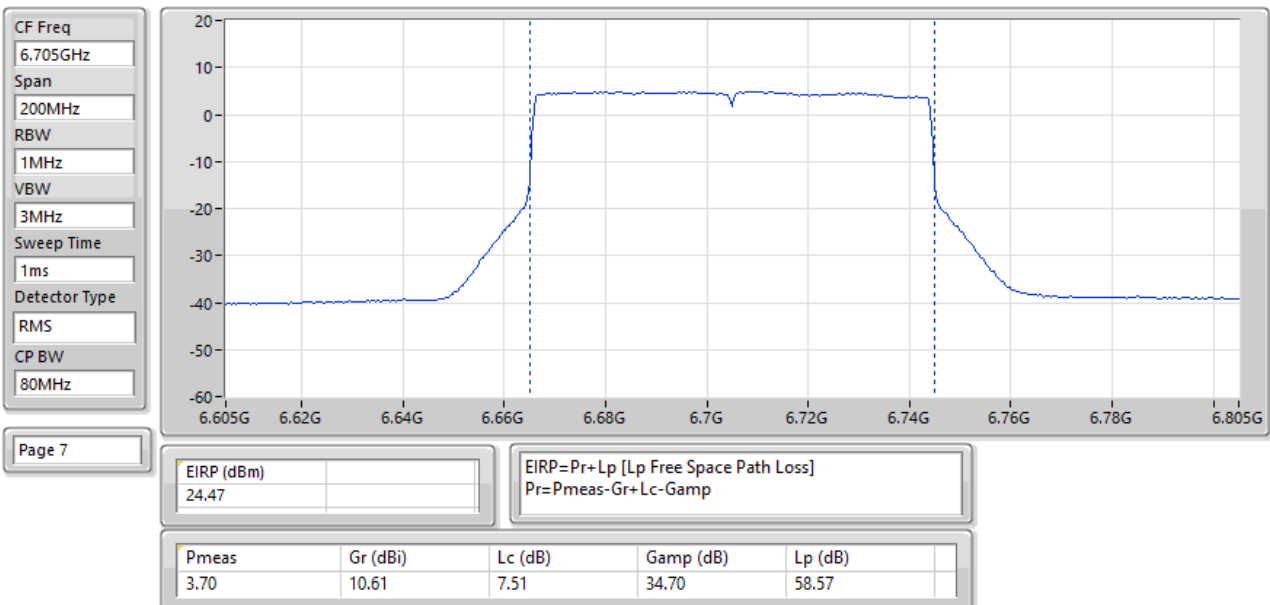
17/06/2026

EIRP;Band:6.2G;be80S;BWch:80MHz;Nss:1,(M0);Nant:1;Ch:6145MHz;TX



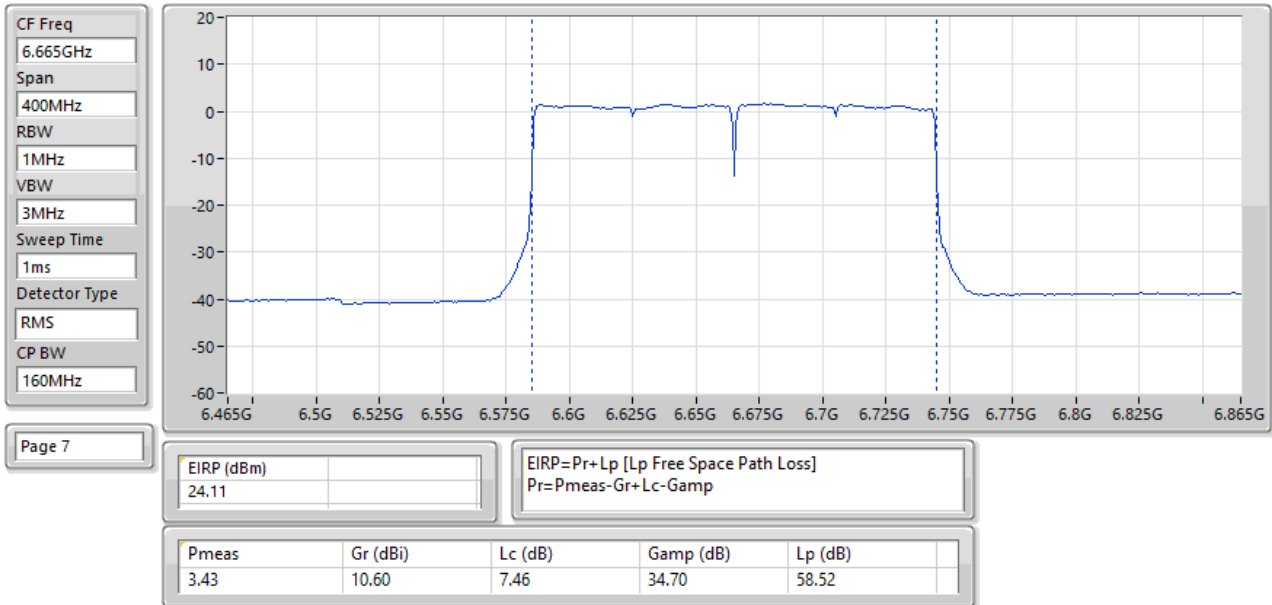
17/06/2026

EIRP;Band:6.7G;be80S;BWch:80MHz;Nss:1,(M0);Nant:1;Ch:6705MHz;TX



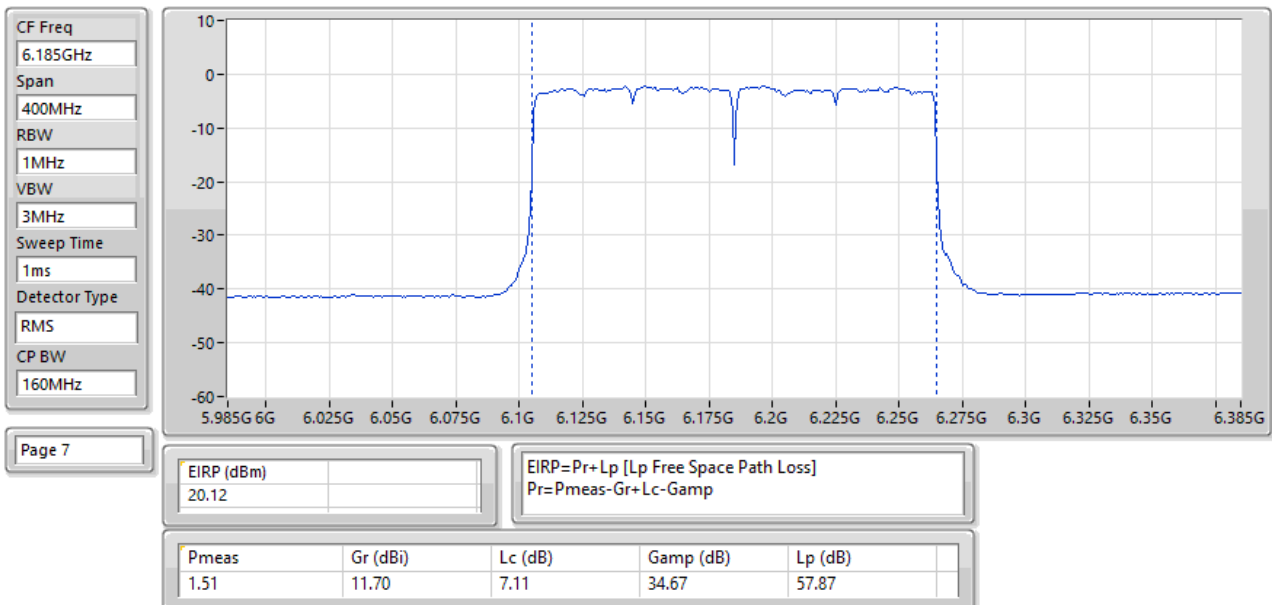
17/06/2026

EIRP;Band:6.7G;be160S;BWch:160MHz;Nss:1,(M0);Nant:1;Ch:6665MHz;TX



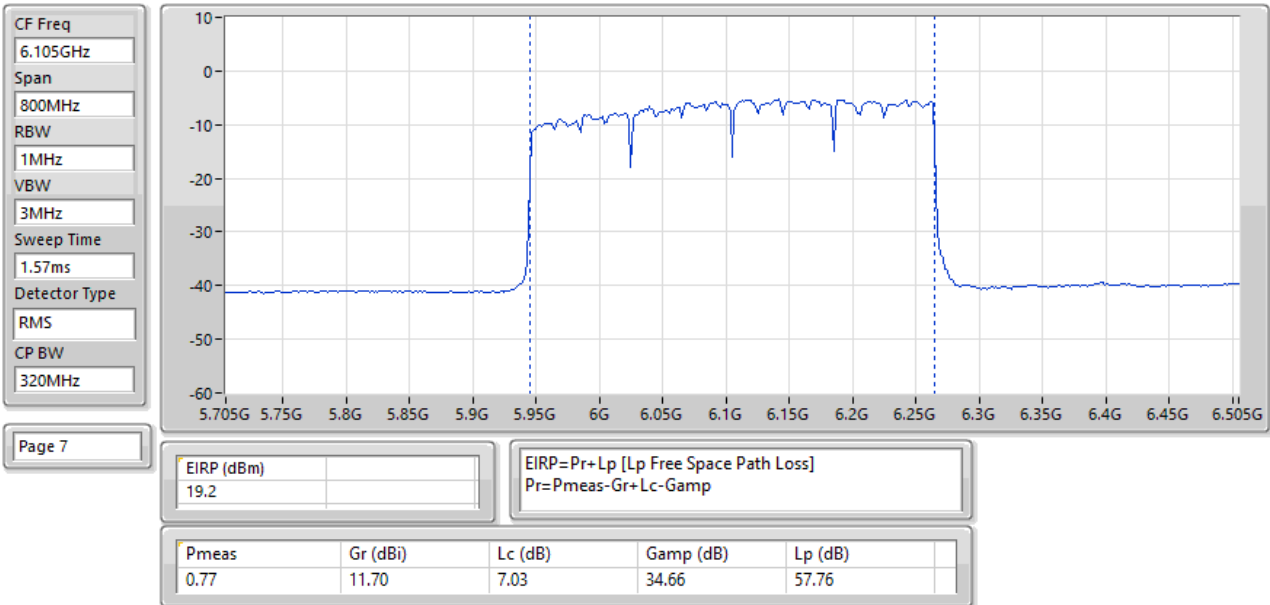
17/06/2026

EIRP;Band:6.2G;be160S;BWch:160MHz;Nss:1,(M0);Nant:1;Ch:6185MHz;TX



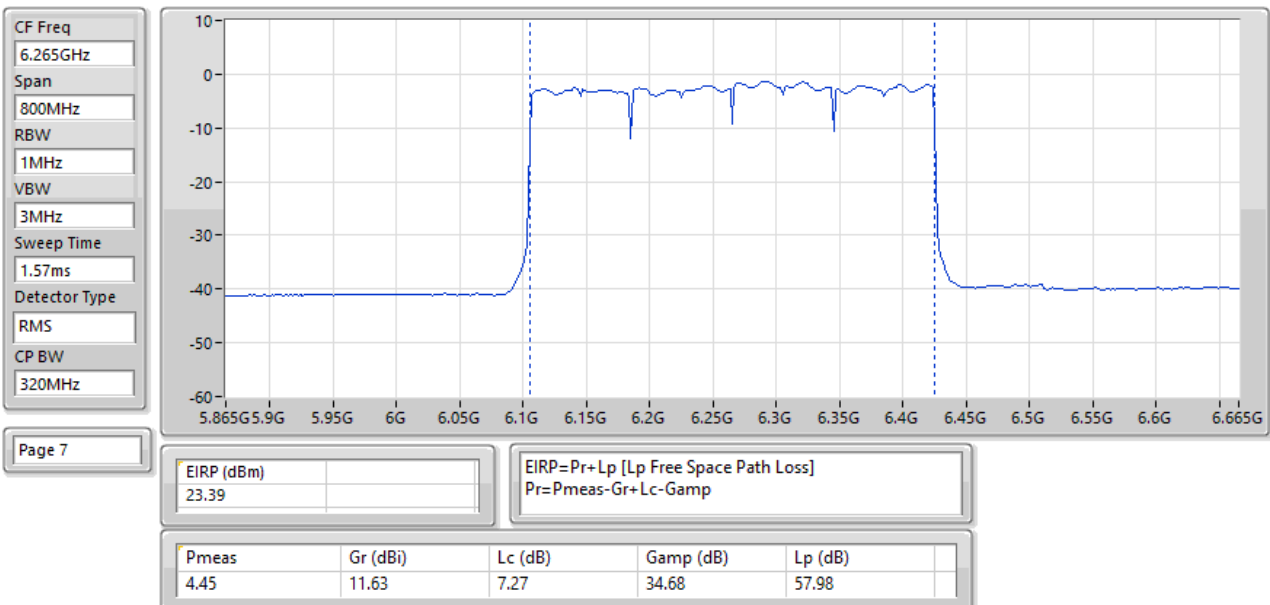
15/06/2026

EIRP;Band:6.2G;be320S;BWch:320MHz;Nss:1,(M0);Nant:1;Ch:6105MHz;TX



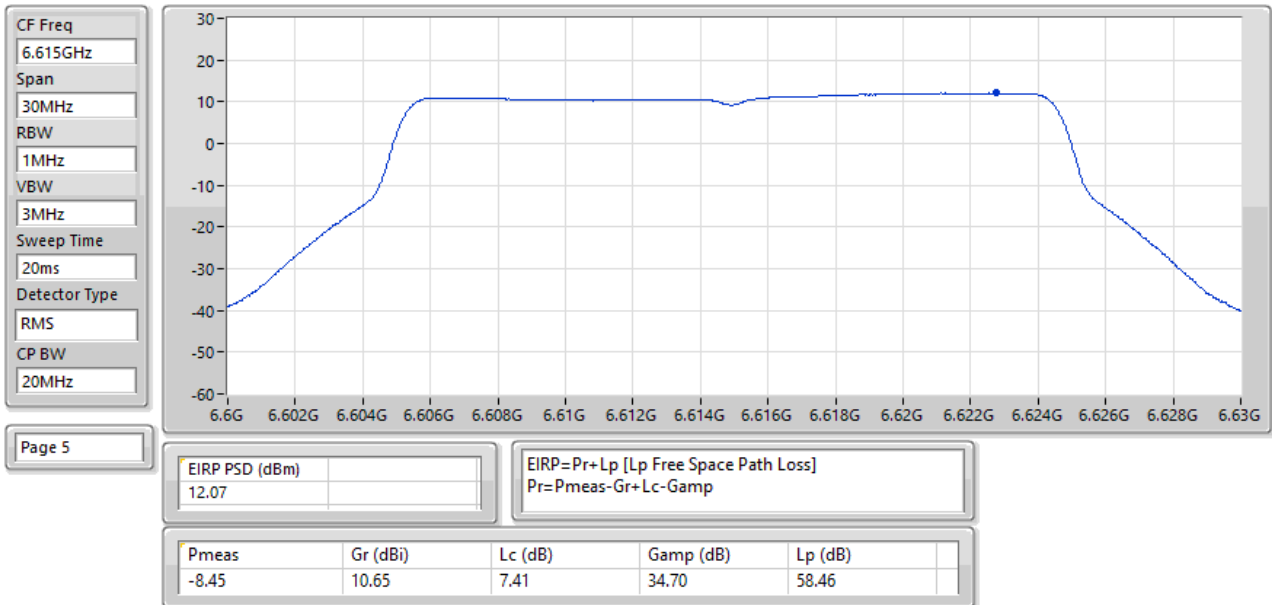
18/03/2026

EIRP;Band:6.2G;be320S;BWch:320MHz;Nss:1,(M0);Nant:1;Ch:6265MHz;TX



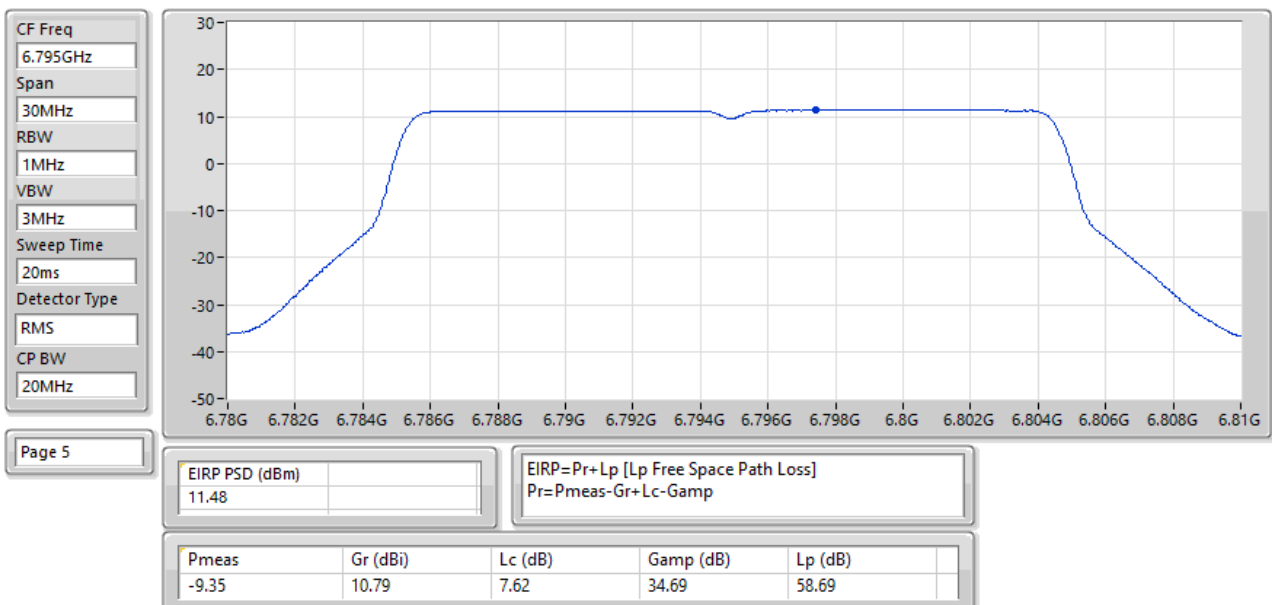
17/06/2026

EIRP PSD;Band:6.7G;be20S;BWch:20MHz;Nss:1,(M0);Nant:1;Ch:6615MHz;TX



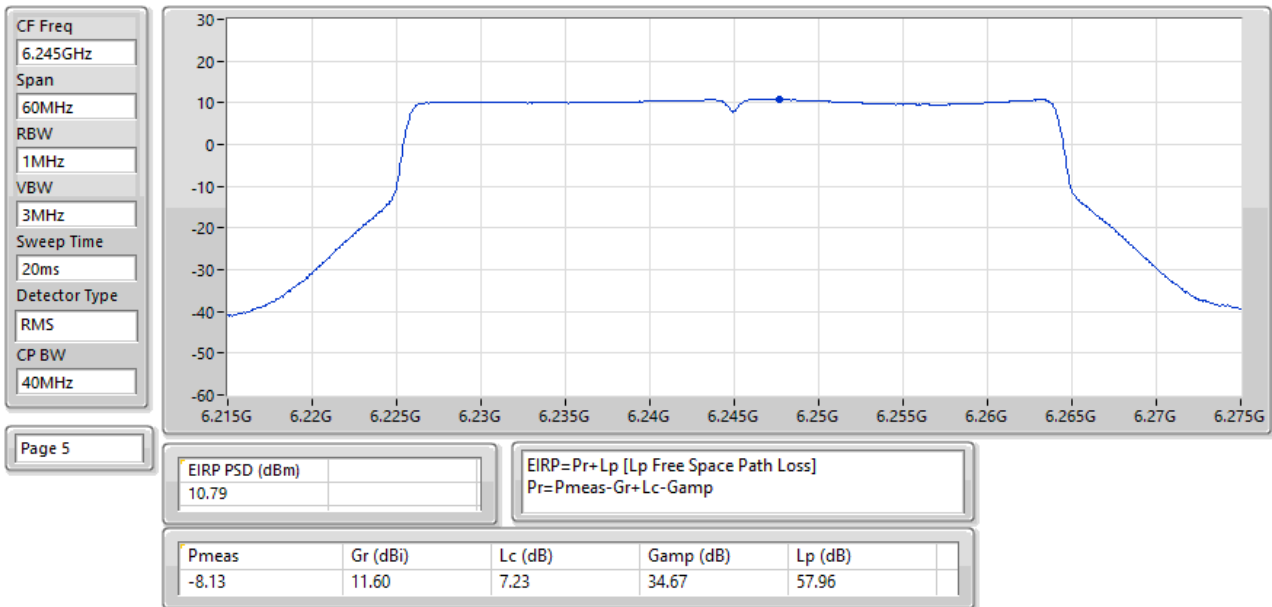
17/06/2026

EIRP PSD;Band:6.7G;be20S;BWch:20MHz;Nss:1,(M0);Nant:1;Ch:6795MHz;TX



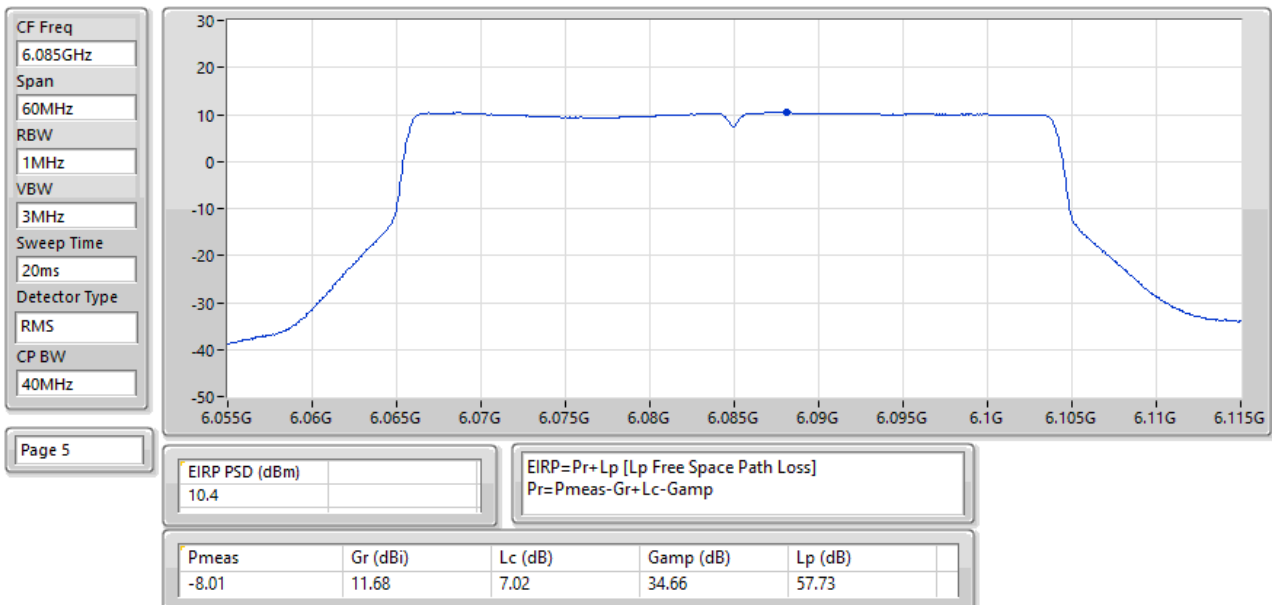
17/06/2026

EIRP PSD;Band:6.2G;be40S;BWch:40MHz;Nss:1,(M0);Nant:1;Ch:6245MHz;TX



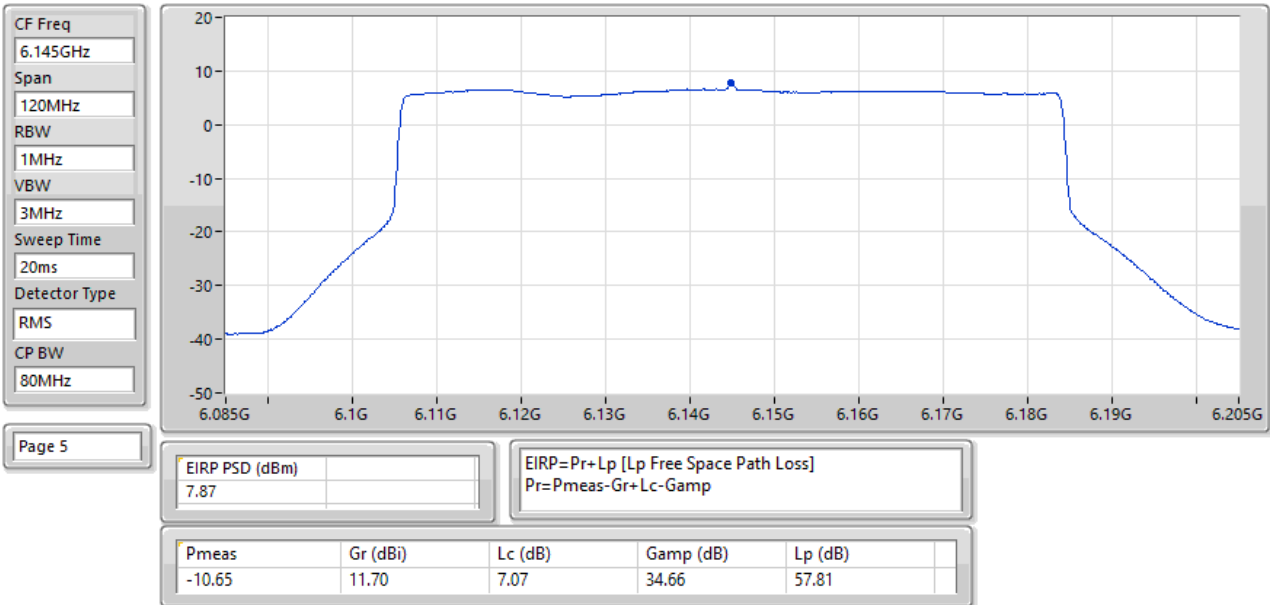
17/06/2026

EIRP PSD;Band:6.2G;be40S;BWch:40MHz;Nss:1,(M0);Nant:1;Ch:6085MHz;TX



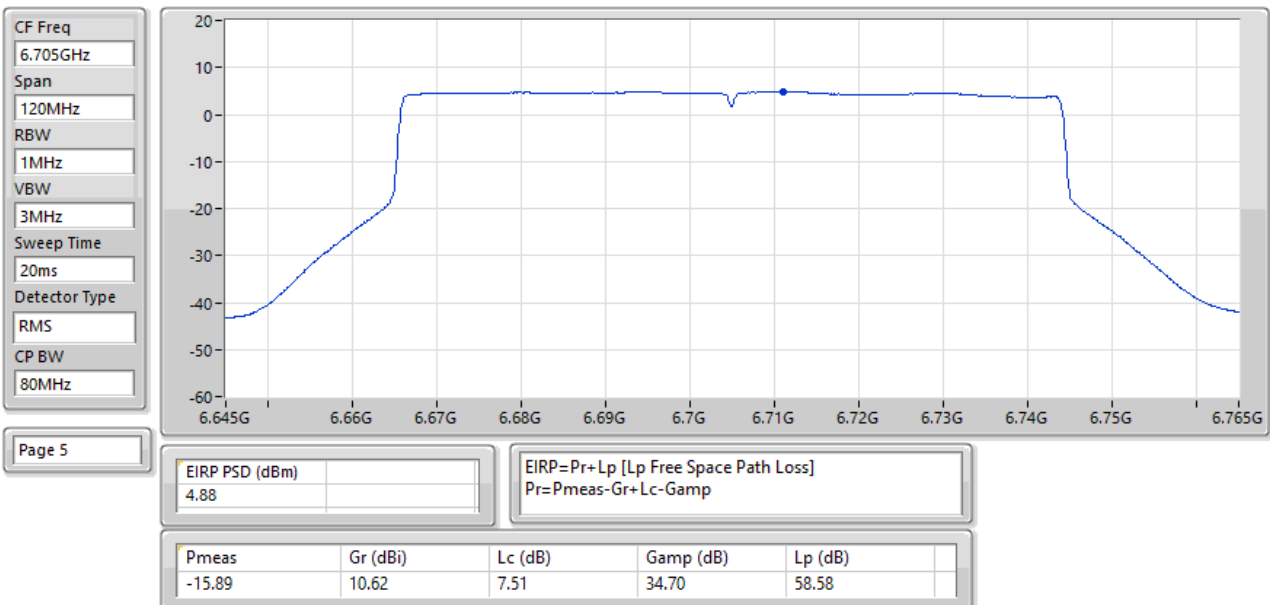
17/06/2026

EIRP PSD;Band:6.2G;be80S;BWch:80MHz;Nss:1,(M0);Nant:1;Ch:6145MHz;TX



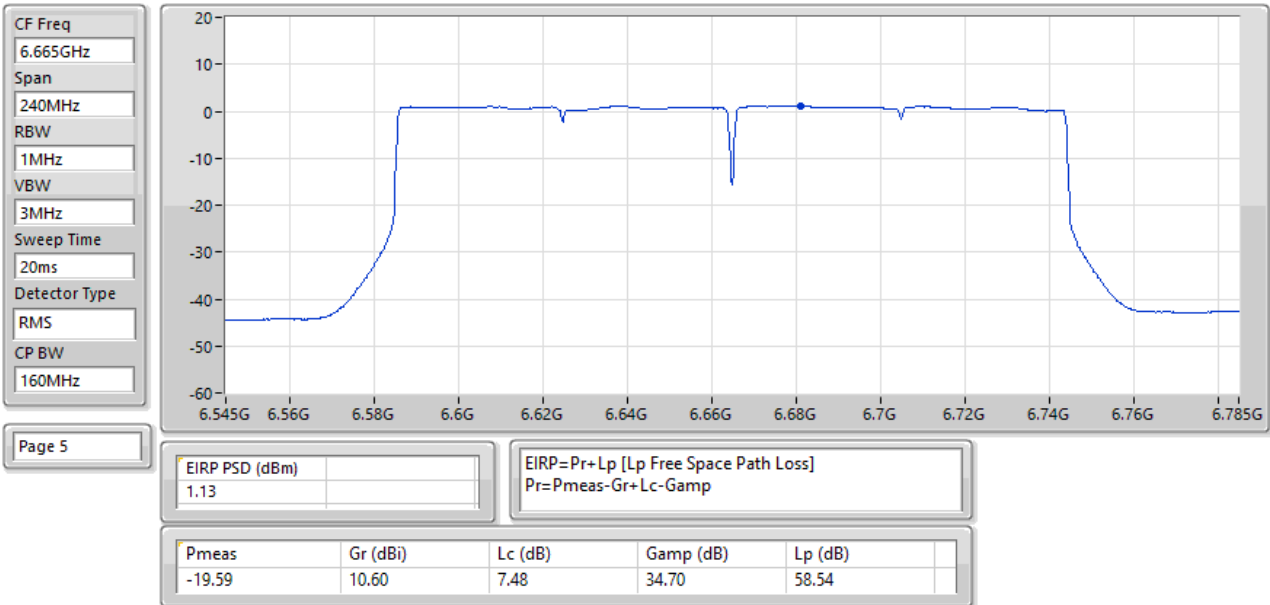
17/06/2026

EIRP PSD;Band:6.7G;be80S;BWch:80MHz;Nss:1,(M0);Nant:1;Ch:6705MHz;TX



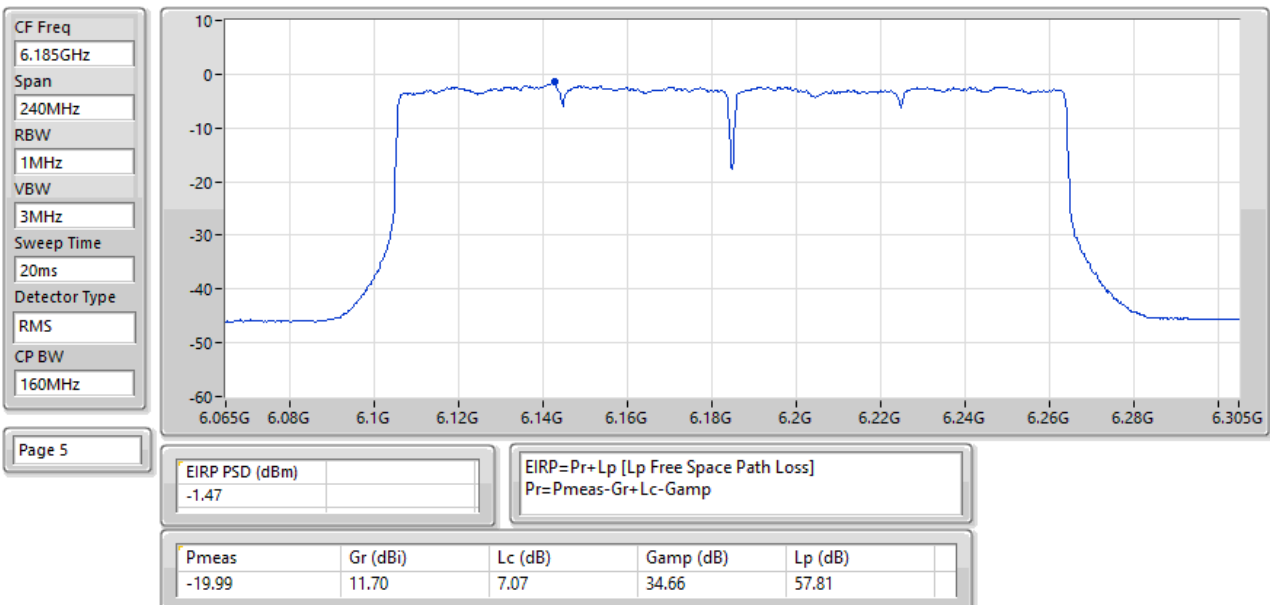
17/06/2026

EIRP PSD;Band:6.7G;be160S;BWch:160MHz;Nss:1,(M0);Nant:1;Ch:6665MHz;TX



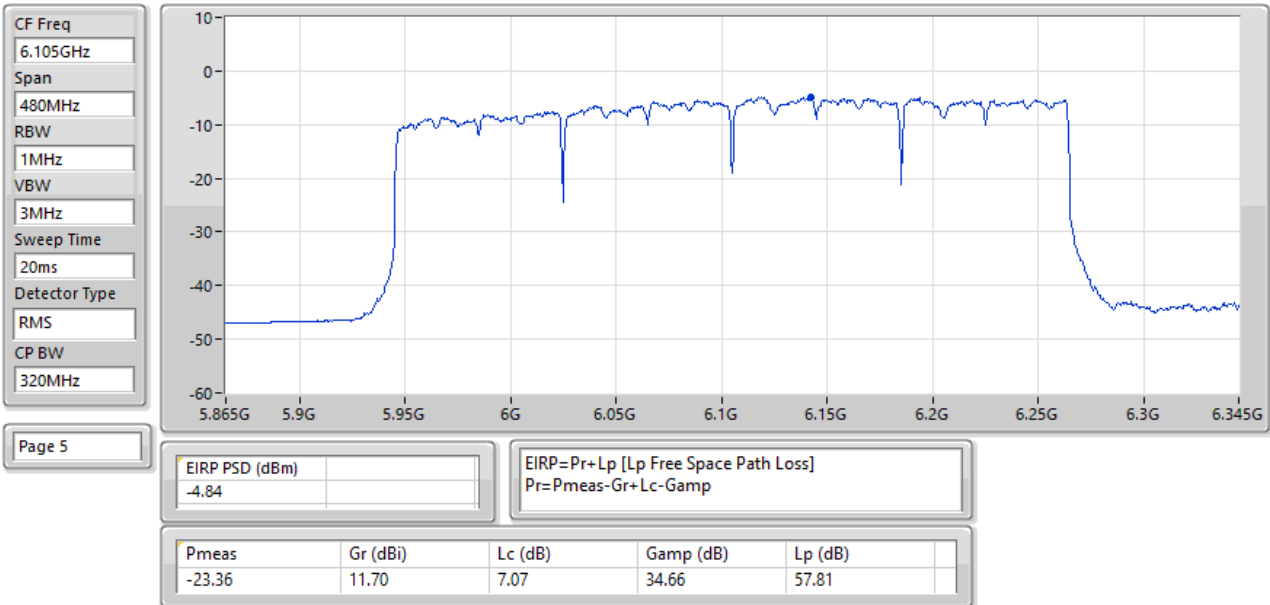
17/06/2026

EIRP PSD;Band:6.2G;be160S;BWch:160MHz;Nss:1,(M0);Nant:1;Ch:6185MHz;TX



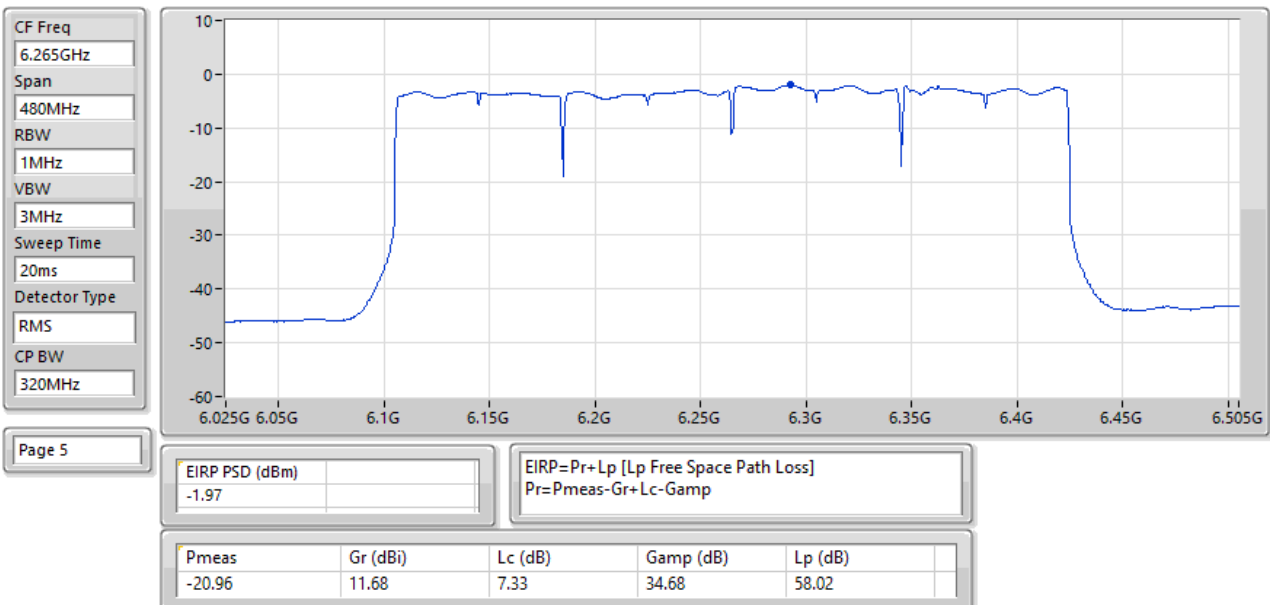
15/06/2026

EIRP PSD;Band:6.2G;be320S;BWch:320MHz;Nss:1,(M0);Nant:1;Ch:6105MHz;TX



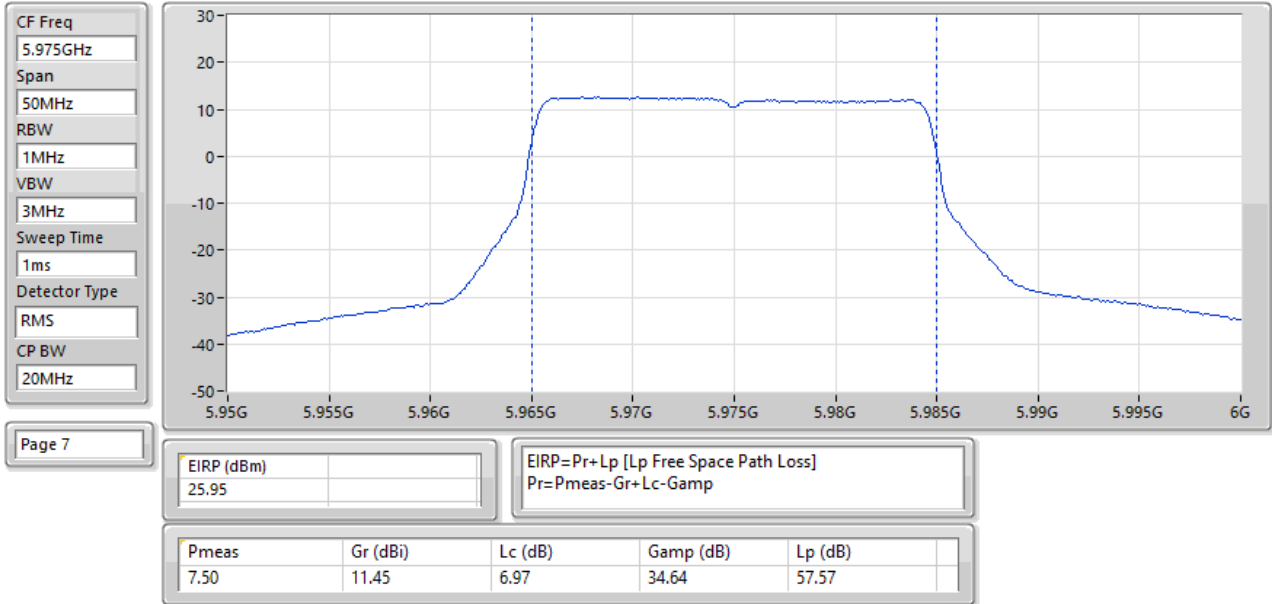
17/06/2026

EIRP PSD;Band:6.2G;be320S;BWch:320MHz;Nss:1,(M0);Nant:1;Ch:6265MHz;TX



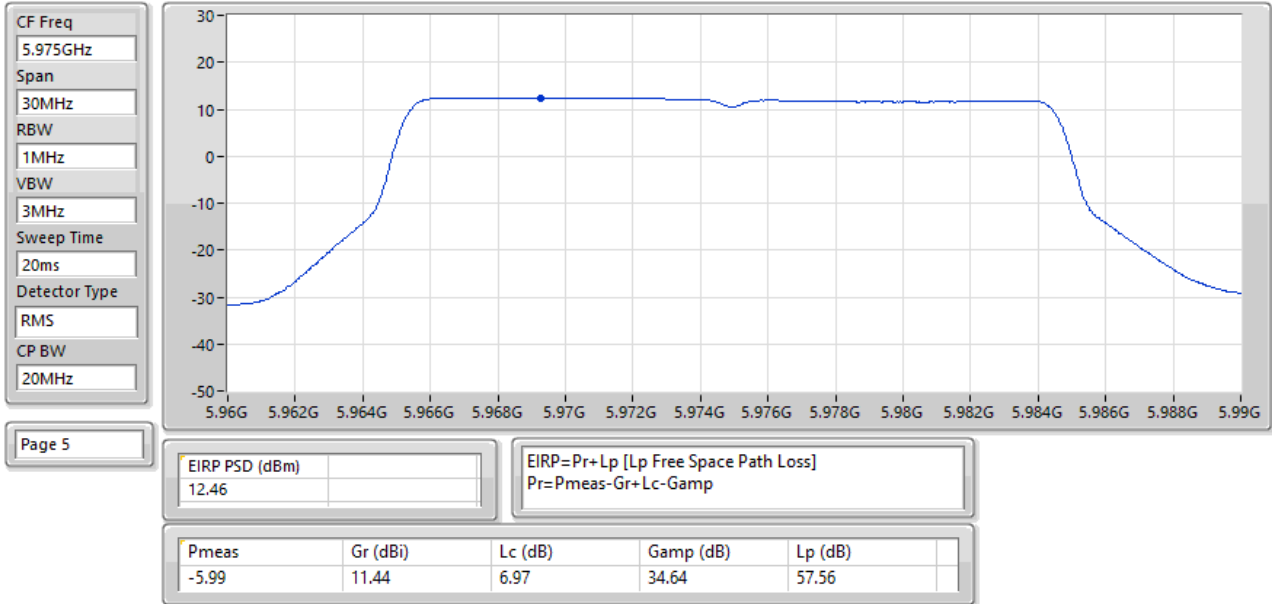
17/06/2026

EIRP;Band:6.2G;be20S;BWch:20MHz;Nss:1,(M0);Nant:1;Ch:5975MHz;TX



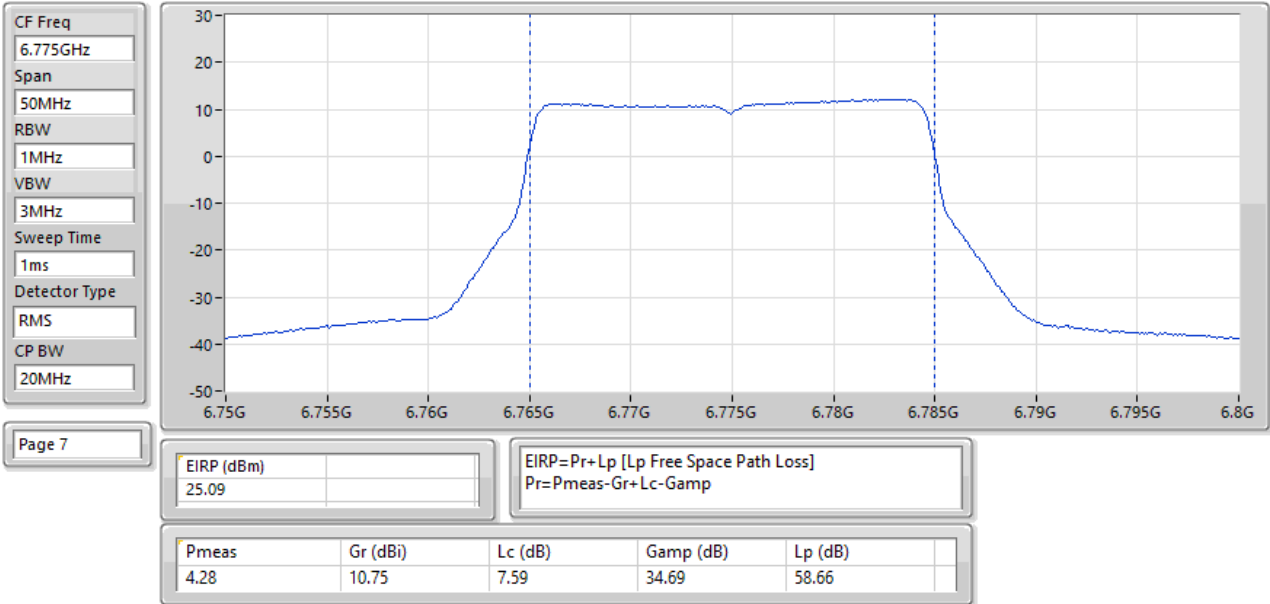
18/06/2026

EIRP PSD;Band:6.2G;be20S;BWch:20MHz;Nss:1,(M0);Nant:1;Ch:5975MHz;TX



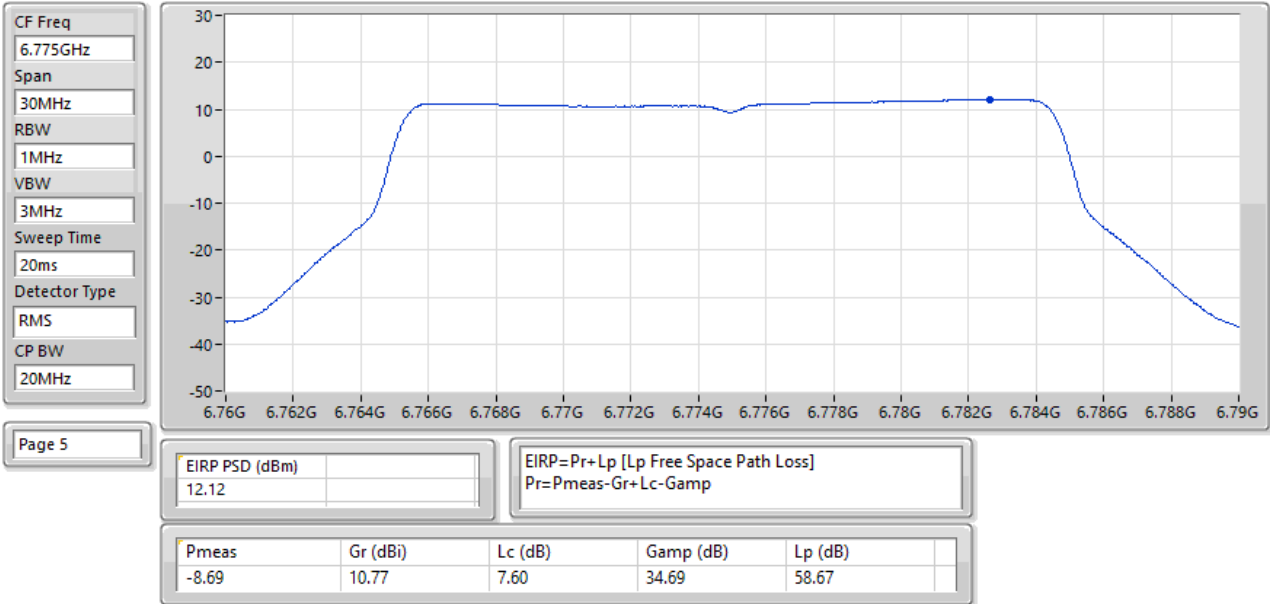
18/06/2026

EIRP;Band:6.7G;be20S;BWch:20MHz;Nss:1,(M0);Nant:1;Ch:6775MHz;TX



18/06/2026

EIRP PSD;Band:6.7G;be20S;BWch:20MHz;Nss:1,(M0);Nant:1;Ch:6775MHz;TX



————THE END————