



AFC DUT TEST HARNESS REPORT

FCC ID : QXO-AP5022
Equipment : Access Point
Brand Name : Extreme Networks
Model Name : AP5022, AP5022S6D, AP5022FX
Applicant : Extreme Networks, Inc.
2121 RDU Center Drive Morrisville North Carolina United States 27560
Manufacturer : Extreme Networks, Inc.
2121 RDU Center Drive Morrisville North Carolina United States 27560
Standard : 47 CFR FCC Part 15.407

The product was received on Oct. 27, 2025, and testing was started from Mar. 31, 2026 and completed on Apr. 09, 2026. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in AFC Device (AFC DUT) Compliance Test Plan Version 1.7 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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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 : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A12 5 Ver2.0

Summary of Test Result

Report Clause	Ref Std. Clause	Test Case Name	Result (PASS/FAIL)	Remark
AFC capability - Inquired Frequency				
Test Group: Inquired Frequency - Always				
-	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Frequency_20MHz_10611_1	N/A	-
-	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Frequency_40MHz_10612_1	N/A	-
-	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Frequency_80MHz_10613_1	N/A	-
-	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Frequency_160MHz_10614_1	N/A	-
-	3.2.4	CT_AFC_SP_AP_AFCDUSA32_Frequency_10615_1	N/A	-
-	3.3.4	CT_AFC_SP_AP_AFCDSAU33_Frequency_10616_1	N/A	-
-	3.4.4	CT_AFC_SP_AP_AFCDUAU34_Frequency_10617_1	N/A	-
-	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Frequency_320MHz_10713_1	N/A	-
AFC capability - Inquired Channel				
Test Group: Inquired Channel - Always				
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Channel_20MHz_10618_1	PASS	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Channel_40MHz_10619_1	PASS	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Channel_80MHz_10620_1	PASS	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Channel_160MHz_10621_1	PASS	-
3.2	3.2.4	CT_AFC_SP_AP_AFCDUSA32_Channel_10622_1	PASS	-
3.3	3.3.4	CT_AFC_SP_AP_AFCDSAU33_Channel_10623_1	PASS	-
3.4	3.4.4	CT_AFC_SP_AP_AFCDUAU34_Channel_10624_1	PASS	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Channel_320MHz_10714_1	PASS	-
AFC capability - Inquired Frequency & Channel				
Test Group: Inquired Frequency and Channel - Always				
-	3.1.4	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_20MHz_10625_1	N/A	-
-	3.1.4	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_40MHz_10626_1	N/A	-
-	3.1.4	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_80MHz_10627_1	N/A	-
-	3.1.4	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1	N/A	-
-	3.2.4	CT_AFC_SP_AP_AFCDUSA32_FrequencyChannel_10629_1	N/A	-
-	3.3.4	CT_AFC_SP_AP_AFCDSAU33_FrequencyChannel_10630_1	N/A	-
-	3.4.4	CT_AFC_SP_AP_AFCDUAU34_FrequencyChannel_10631_1	N/A	-
-	3.1.4	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_320MHz_10715_1	N/A	-
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: Sam Chen

Report Producer: Sandy Chuang

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature of Equipment Under Test	
Power Type	From power adapter or PoE
EUT Type	☒ Standard Power Access Point with Proxy ☐ Standard Power Access Point without Proxy ☐ Fixed Client with Proxy ☐ Fixed Client without Proxy
Bandwidth (MHz)	For Radio 1: 20 / 40 / 80 / 160 For Radio 3: 20 / 40 / 80 / 160 / 320 For Scanning Radio 4: 20 / 40 / 80 / 160 / 320
Condition of EUT	☒ Indoor ☐ Outdoor
Professional Installation	☒ Yes ☐ No
DUT Firmware version	10.19.1.0-014R
DUT Software version	N/A
DUT Hardware version	N/A
Proxy Firmware version	VE6120K Small 10.19.01.0011
Proxy Software version	N/A
Proxy Hardware version	N/A

Note: The above information was declared by manufacturer.

1.2 Antenna Information

<EUT 1: AP5022>

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Support	Radio	Remark
1	1	WNC	95XPAM15.G49	PIFA	I-Pex	2.4G + 5G Full & High	Radio 1+Radio 2	-
2	2	WNC	95XPAM15.G50	PIFA	I-Pex	2.4G + 5G Full & High	Radio 1+Radio 2	-
3	3	WNC	95XPAM15.G51	PIFA	I-Pex	2.4G + 5G Full & High	Radio 1+Radio 2	-
4	4	WNC	95XPAM15.G52	PIFA	I-Pex	2.4G + 5G Full & High	Radio 1+Radio 2	-
5	1	WNC	95XPAM15.G45	PIFA	I-Pex	5G Low & 6G High	Radio 1	-
6	2	WNC	95XPAM15.G46	PIFA	I-Pex	5G Low & 6G High	Radio 1	-
7	3	WNC	95XPAM15.G47	Alford loop	I-Pex	5G Low & 6G High	Radio 1	-
8	4	WNC	95XPAM15.G48	Alford loop	I-Pex	5G Low & 6G High	Radio 1	-
9	1	WNC	95XPAM15.G41	PIFA	I-Pex	6G Full & 6G Low	Radio 3	-
10	2	WNC	95XPAM15.G42	PIFA	I-Pex	6G Full & 6G Low	Radio 3	-
11	3	WNC	95XPAM15.G43	Alford loop	I-Pex	6G Full & 6G Low	Radio 3	-
12	4	WNC	95XPAM15.G44	Alford loop	I-Pex	6G Full & 6G Low	Radio 3	-
13	1	WNC	95XPAM15.G56	PIFA	I-Pex	Scan 2.4G & 5G & 6G	Radio 4	-
14	2	WNC	95XPAM15.G57	PIFA	I-Pex	Scan 2.4G & 5G & 6G	Radio 4	-
15	1	WNC	95XPAM15.G53	PIFA	I-Pex	BT+802.15.4	Radio 5	-
16	2	WNC	95XPAM15.G54	PIFA	I-Pex	BT+802.15.4	Radio 5	-
17	3	WNC	95XPAM15.GAM	Alford loop	I-Pex	BT+802.15.4	Radio 5	-
18	1	WNC	95XPAM15.G81	Alford loop	I-Pex	UWB	Radio 6	-
19	2	WNC	95XPAM15.G82	Alford loop	I-Pex	UWB	Radio 6	-
20	3	WNC	95XPAM15.G82	Alford loop	I-Pex	UWB	Radio 6	-
21	4	WNC	95XPAM15.G82	Alford loop	I-Pex	UWB	Radio 6	-

Ant.	Port	Gain (dBi)											
		2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	BT	802.15.4	UWB
1	1	2.15	5.74	5.77	5.3	4.82	-	-	-	-	-	-	-
2	2	3.45	5.99	6.45	6.41	6.34	-	-	-	-	-	-	-
3	3	2.18	6.63	6.66	6.27	5.95	-	-	-	-	-	-	-
4	4	2.63	6.04	5.63	4.26	2.27	-	-	-	-	-	-	-
5	1	-	4.93	5.19	-	-	-	-	5.06	4.82	-	-	-
6	2	-	4.65	5.24	-	-	-	-	4.77	4.35	-	-	-
7	3	-	4.82	5.08	-	-	-	-	2.58	3.71	-	-	-
8	4	-	2.81	2.66	-	-	-	-	2.57	2.5	-	-	-
9	1	-	-	-	-	-	4.97	3.84	4.55	4.79	-	-	-
10	2	-	-	-	-	-	5.69	5.41	5.56	5.02	-	-	-
11	3	-	-	-	-	-	4.2	5.01	3.8	5.01	-	-	-
12	4	-	-	-	-	-	3.94	4.32	3.2	4.54	-	-	-
13	1	3.1	3.54	3.26	3.65	2.58	3.03	3.21	3.62	3.22	-	-	-
14	2	2.91	4.08	3.88	4.3	4.67	6.04	5.01	5.64	5.24	-	-	-
15	1	-	-	-	-	-	-	-	-	-	4	4	-
16	2	-	-	-	-	-	-	-	-	-	5.1	5.1	-
17	3	-	-	-	-	-	-	-	-	-	3.6	3.6	-
18	1	-	-	-	-	-	-	-	-	-	-	-	5.8
19	2	-	-	-	-	-	-	-	-	-	-	-	4.8
20	3	-	-	-	-	-	-	-	-	-	-	-	3.9
21	4	-	-	-	-	-	-	-	-	-	-	-	4.8

Ant.	-	Composite Gain (dBi) for 4TX								
		2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8
1~4	DG [1SS]	6.82	10.36	10.35	9.83	9.17	-	-	-	-
	DG [2SS]	3.82	7.36	7.35	6.83	6.34	-	-	-	-
	DG [4SS]	3.45	6.63	6.66	6.41	6.34	-	-	-	-
5~8	DG [1SS]	-	5.69	5.63	-	-	-	-	5.77	5.61
	DG [2SS]	-	4.93	5.24	-	-	-	-	5.06	4.82
	DG [4SS]	-	4.93	5.24	-	-	-	-	5.06	4.82
9~12	DG [1SS]	-	-	-	-	-	5.91	6.8	5.56	6.06
	DG [2SS]	-	-	-	-	-	5.69	5.41	5.56	5.02
	DG [4SS]	-	-	-	-	-	5.69	5.41	5.56	5.02

Ant.	-	Composite Gain (dBi) for 2TX								
		2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8
1~2	DG [1SS]	5.29	6.92	7.56	7.4	6.45	-	-	-	-
	DG [2SS]	3.45	5.99	6.45	6.41	6.34	-	-	-	-
5~6	DG [1SS]	-	7.49	7.94	-	-	-	-	7.87	7.36
	DG [2SS]	-	4.93	5.24	-	-	-	-	5.06	4.82
9~10	DG [1SS]	-	-	-	-	-	6.85	6.13	6.51	5.83
	DG [2SS]	-	-	-	-	-	5.69	5.41	5.56	5.02
13~14	DG [1SS]	3.95	6.62	6.37	6.99	5.33	6.09	5.99	6.72	5.49
	DG [2SS]	3.1	4.08	3.88	4.3	4.67	6.04	5.01	5.64	5.24

Note 1: The EUT has Twenty-one antennas.

Note 2: The antenna gain and directional gain are measured which follow the procedure of KDB 662911 D03.

Note 3: BT= Bluetooth.

For 2.4GHz function:

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

Ant. 1 could transmit/receive.

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/4RX) (Radio 1)

Ant. 1~2 could transmit/receive simultaneously.

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

Ant. 1~4 could transmit/receive simultaneously.

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/2RX) (Scan Radio)

Ant. 13~14 could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax/be mode (1TX/4RX) (Radio 1_Low and)

Ant. 5 could transmit/receive.

For IEEE 802.11 a/n/ac/ax/be mode (2TX/4RX) (Radio 1_Low and)

Ant. 5~6 could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax/be mode (4TX/4RX) (Radio 1_Low and)

Ant. 5~8 could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax/be mode (1TX/4RX) (Radio 2)

Ant. 1 could transmit/receive.

For IEEE 802.11 a/n/ac/ax/be mode (2TX/4RX) (Radio 2)

Ant. 1~2 could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax/be mode (4TX/4RX) (Radio 2)

Ant. 1~4 could transmit/receive simultaneously.

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/2RX) (Scan Radio)

Ant. 13~14 could transmit/receive simultaneously.

For 6GHz function:

For IEEE 802.11 ax/be mode (1TX/4RX) (Radio 1)

Ant. 5 could transmit/receive.

For IEEE 802.11 ax/be mode (2TX/4RX) (Radio 1)

Ant. 5~6 could transmit/receive simultaneously.

For IEEE 802.11 ax/be mode (4TX/4RX) (Radio 1)

Ant. 5~8 could transmit/receive simultaneously.

For IEEE 802.11 ax/be mode (1TX/4RX) (Radio 3)

Ant. 9 could transmit/receive.

For IEEE 802.11 ax/be mode (2TX/4RX) (Radio 3)

Ant. 9~10 could transmit/receive simultaneously.

For IEEE 802.11 ax/be mode (4TX/4RX) (Radio 3)

Ant. 9~12 could transmit/receive simultaneously.

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/2RX) (Scan Radio)

Ant. 13~14 could transmit/receive simultaneously.

For BT function:

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

Ant. 15 or Ant.16 or Ant 17 could transmit/receive.

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

For 802.15.4 function:

For IEEE 802.15.4 mode (1TX/1RX)

Ant. 15 or Ant.16 or Ant 17 could transmit/receive.

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

For UWB function(2TX/4RX):

Ant. 18 and Ant 20 could transmit.

Ant. 18~21 could receive.

<EUT 2: AP5022S6D>

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Support	Radio	Remark
1	1	WNC	95XPAM15.G71	Dipole	I-Pex	2.4G + 5G Full & High	Radio 1+Radio 2	-
2	2	WNC	95XPAM15.G72	Dipole	I-Pex	2.4G + 5G Full & High	Radio 1+Radio 2	-
3	3	WNC	95XPAM15.G73	Dipole	I-Pex	2.4G + 5G Full & High	Radio 1+Radio 2	-
4	4	WNC	95XPAM15.G74	Dipole	I-Pex	2.4G + 5G Full & High	Radio 1+Radio 2	-
5	1	WNC	95XPAM15.G67	Dipole	I-Pex	5G Low & 6G High	Radio 1	-
6	2	WNC	95XPAM15.G68	Dipole	I-Pex	5G Low & 6G High	Radio 1	-
7	3	WNC	95XPAM15.G69	Dipole	I-Pex	5G Low & 6G High	Radio 1	-
8	4	WNC	95XPAM15.G70	Dipole	I-Pex	5G Low & 6G High	Radio 1	-
9	1	WNC	95XPAM15.G63	Dipole	I-Pex	6G Full & 6G Low	Radio 3	-
10	2	WNC	95XPAM15.G64	Dipole	I-Pex	6G Full & 6G Low	Radio 3	-
11	3	WNC	95XPAM15.G65	Dipole	I-Pex	6G Full & 6G Low	Radio 3	-
12	4	WNC	95XPAM15.G66	Dipole	I-Pex	6G Full & 6G Low	Radio 3	-
13	1	WNC	95XPAM15.G56	PIFA	I-Pex	Scan 2.4G & 5G & 6G	Radio 4	-
14	2	WNC	95XPAM15.G57	PIFA	I-Pex	Scan 2.4G & 5G & 6G	Radio 4	-
15	1	WNC	95XPAM15.G53	PIFA	I-Pex	BT+802.15.4	Radio 5	-
16	2	WNC	95XPAM15.G54	PIFA	I-Pex	BT+802.15.4	Radio 5	-
17	3	WNC	95XPAM15.GAM	Alford loop	I-Pex	BT+802.15.4	Radio 5	-
18	1	WNC	95XPAM15.G81	PIFA	I-Pex	UWB	Radio 6	-
19	2	WNC	95XPAM15.G82	Alford loop	I-Pex	UWB	Radio 6	-
20	3	WNC	95XPAM15.G82	Alford loop	I-Pex	UWB	Radio 6	-
21	4	WNC	95XPAM15.G82	Alford loop	I-Pex	UWB	Radio 6	-

Ant.	Port	Gain (dBi)											
		2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	BT	802.15.4	UWB
1	1	3.48	5.09	5.65	6.38	6.56	-	-	-	-	-	-	-
2	2	3.43	6.93	6.99	6.9	6.61	-	-	-	-	-	-	-
3	3	3.19	5.9	5.8	5.86	6.22	-	-	-	-	-	-	-
4	4	2.41	5.56	5.58	6.18	5.77	-	-	-	-	-	-	-
5	1	-	5.51	5.62	-	-	-	-	5.41	6.49	-	-	-
6	2	-	6.56	6.65	-	-	-	-	4.21	5.33	-	-	-
7	3	-	6.43	6.5	-	-	-	-	5.91	5.95	-	-	-
8	4	-	6	6.12	-	-	-	-	5.63	6.41	-	-	-
9	1	-	-	-	-	-	6.7	5.64	6.35	6.58	-	-	-
10	2	-	-	-	-	-	6.99	5.53	6.26	6.38	-	-	-
11	3	-	-	-	-	-	6.41	7.24	6.45	7.03	-	-	-
12	4	-	-	-	-	-	6.38	5.25	6	6.43	-	-	-
13	1	2.07	4.08	3.46	4.66	2.69	2.95	3.49	4.74	4.29	-	-	-
14	2	3.3	3.15	2.77	3.76	4.06	5.79	4.03	4.21	4.36	-	-	-
15	1	-	-	-	-	-	-	-	-	-	4.8	4.8	-
16	2	-	-	-	-	-	-	-	-	-	4.2	4.2	-
17	3	-	-	-	-	-	-	-	-	-	2.8	2.8	-
18	1	-	-	-	-	-	-	-	-	-	-	-	5.6
19	2	-	-	-	-	-	-	-	-	-	-	-	5
20	3	-	-	-	-	-	-	-	-	-	-	-	4.6
21	4	-	-	-	-	-	-	-	-	-	-	-	3.9

Ant.		Composite Gain (dBi) for 4TX								
		2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8
1~4	DG [1SS]	5.85	9.55	9.18	8.75	8.69	-	-	-	-
	DG [2SS]	3.48	6.93	6.99	6.9	6.61	-	-	-	-
	DG [4SS]	3.48	6.93	6.99	6.9	6.61	-	-	-	-
5~8	DG [1SS]	-	8.96	8.98	-	-	-	-	8.42	9.14
	DG [2SS]	-	6.56	6.65	-	-	-	-	5.91	6.49
	DG [4SS]	-	6.56	6.65	-	-	-	-	5.91	6.49
9~12	DG [1SS]	-	-	-	-	-	10.89	10.01	9.83	10.12
	DG [2SS]	-	-	-	-	-	7.89	7.24	6.83	7.12
	DG [4SS]	-	-	-	-	-	6.99	7.24	6.45	7.03

Ant.		Composite Gain (dBi) for 2TX								
		2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8
1~2	DG [1SS]	6.06	8.81	9	9.12	8.93	-	-	-	-
	DG [2SS]	3.48	6.93	6.99	6.9	6.61	-	-	-	-
5~6	DG [1SS]	-	9.03	8.77	-	-	-	-	7.43	8.85
	DG [2SS]	-	6.56	6.65	-	-	-	-	5.41	6.49
9~10	DG [1SS]	-	-	-	-	-	9.61	8.6	8.69	9.18
	DG [2SS]	-	-	-	-	-	6.99	5.64	6.35	6.58
13~14	DG [1SS]	4.58	5.83	5.95	5.83	4.58	5.79	4.82	4.86	4.41
	DG [2SS]	3.3	4.08	3.46	4.66	4.06	5.79	4.03	4.74	4.36

Note 1: The EUT has Twenty-one antennas.

Note 2: The antenna gain and directional gain are measured which follow the procedure of KDB 662911 D03.

Note 3: BT= Bluetooth.

For 2.4GHz function:

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

Ant. 1 could transmit/receive.

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/4RX) (Radio 1)

Ant. 1~2 could transmit/receive simultaneously.

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

Ant. 1~4 could transmit/receive simultaneously.

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/2RX) (Scan Radio)

Ant. 13~14 could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax/be mode (1TX/4RX) (Radio 1_Low and)

Ant. 5 could transmit/receive.

For IEEE 802.11 a/n/ac/ax/be mode (2TX/4RX) (Radio 1_Low and)

Ant. 5~6 could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax/be mode (4TX/4RX) (Radio 1_Low and)

Ant. 5~8 could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax/be mode (1TX/4RX) (Radio 2)

Ant. 1 could transmit/receive.

For IEEE 802.11 a/n/ac/ax/be mode (2TX/4RX) (Radio 2)

Ant. 1~2 could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax/be mode (4TX/4RX) (Radio 2)

Ant. 1~4 could transmit/receive simultaneously.

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/2RX) (Scan Radio)

Ant. 13~14 could transmit/receive simultaneously.

**For 6GHz function:**

For IEEE 802.11 ax/be mode (1TX/4RX) (Radio 1)
Ant. 5 could transmit/receive.

For IEEE 802.11 ax/be mode (2TX/4RX) (Radio 1)
Ant. 5~6 could transmit/receive simultaneously.

For IEEE 802.11 ax/be mode (4TX/4RX) (Radio 1)
Ant. 5~8 could transmit/receive simultaneously.

For IEEE 802.11 ax/be mode (1TX/4RX) (Radio 3)
Ant. 9 could transmit/receive.

For IEEE 802.11 ax/be mode (2TX/4RX) (Radio 3)
Ant. 9~10 could transmit/receive simultaneously.

For IEEE 802.11 ax/be mode (4TX/4RX) (Radio 3)
Ant. 9~12 could transmit/receive simultaneously.

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/2RX) (Scan Radio)
Ant. 13~14 could transmit/receive simultaneously.

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)
Ant. 15 or Ant.16 or Ant 17 could transmit/receive.
Support diversity function and pre-tested on each single chain, the worst case was port 2 and it was recorded in this test report.

For 802.15.4 function:

For IEEE 802.15.4 mode (1TX/1RX)
Ant. 15 or Ant.16 or Ant 17 could transmit/receive.
Support diversity function and pre-tested on each single chain, the worst case was port 2 and it was recorded in this test report.

For UWB function(2TX/4RX):

Ant. 18 and Ant 20 could transmit.
Ant. 18~21 could receive.

<EUT 3: AP5022FX>

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Support	Radio	Remark
1	1/2/3/4	Extreme Networks	AI-TP05360	MIMO-Directional Panel	SMA ST. Plug	2.4G & 5G Low & 6G High + 5G Full & 5G High + 6G Full & 6G Low	Radio 1+Radio 2 +Radio 3	External Ant.
2	1/2/3/4	Extreme Networks	AI-TQ08055	Sector	RP- SMA	2.4G & 5G Low & 6G High + 5G Full & 5G High + 6G Full & 6G Low	Radio 1+Radio 2 +Radio 3	External Ant.
3	1/2/3/4	Extreme Networks	AIO-HQ17020	MIMO-Directional Panel	SMA Female	5G Low & 6G High + 5G Full & 5G High + 6G Full & 6G Low	Radio 1+Radio 2 +Radio 3	External Ant.
4	1/2/3/4	Extreme Networks	AIO-DQ15021-RPS MA	MIMO-Directional Panel	Reverse SMA	2.4G & 5G Low + 5G Full & 5G High	Radio 1+Radio 2	External Ant.
5	1	WNC	95XPAM15.G84	PIFA	I-Pex	6G Full & 6G Low	Radio 3	Internal Ant.
6	2	WNC	95XPAM15.G85	PIFA	I-Pex	6G Full & 6G Low	Radio 3	Internal Ant.
7	3	WNC	95XPAM15.G87	Alford loop	I-Pex	6G Full & 6G Low	Radio 3	Internal Ant.
8	4	WNC	95XPAM15.G88	Alford loop	I-Pex	6G Full & 6G Low	Radio 3	Internal Ant.
9	1	WNC	95XPAM15.G56	PIFA	I-Pex	Scan 2.4G & 5G & 6G	Radio 4	Internal Ant.
10	2	WNC	95XPAM15.G57	PIFA	I-Pex	Scan 2.4G & 5G & 6G	Radio 4	Internal Ant.
11	1	WNC	95XPAM15.G53	PIFA	I-Pex	BT+802.15.4	Radio 5	Internal Ant.
12	2	WNC	95XPAM15.G54	PIFA	I-Pex	BT+802.15.4	Radio 5	Internal Ant.
13	3	WNC	95XPAM15.GAM	Alford loop	I-Pex	BT+802.15.4	Radio 5	Internal Ant.
14	4	Extreme Networks	AI-TS06360	Dipole	RP-SMA	BT+802.15.4	Radio 5	External Ant.
15	1	WNC	95XPAM15.G81	PIFA	I-Pex	UWB	Radio 6	Internal Ant.
16	2	WNC	95XPAM15.G82	Alford loop	I-Pex	UWB	Radio 6	Internal Ant.
17	3	WNC	95XPAM15.G82	Alford loop	I-Pex	UWB	Radio 6	Internal Ant.
18	4	WNC	95XPAM15.G82	Alford loop	I-Pex	UWB	Radio 6	Internal Ant.

Ant.	POL	Port	Antenna peak gain (dBi)											
			2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	BT	802.15.4	UWB
Ant 1 Radio 1 2.4G 5G Low 6G High	-	1	4.4	4.4	4.4	-	-	-	-	4.7	2.8	-	-	-
	-	2	4.4	4.4	4.4	-	-	-	-	4.7	2.8	-	-	-
	-	3	4.4	4.4	4.4	-	-	-	-	4.7	2.8	-	-	-
	-	4	4.4	4.4	4.4	-	-	-	-	4.7	2.8	-	-	-
	-	5	4.4	4.4	4.4	-	-	-	-	4.7	2.8	-	-	-
Ant 1 Radio 2 5G Full 5G High	-	1	-	4.4	4.4	5.2	5	-	-	-	-	-	-	-
	-	2	-	4.4	4.4	5.2	5	-	-	-	-	-	-	-
	-	3	-	4.4	4.4	5.2	5	-	-	-	-	-	-	-
	-	4	-	4.4	4.4	5.2	5	-	-	-	-	-	-	-
	-	5	-	4.4	4.4	5.2	5	-	-	-	-	-	-	-
Ant 1 Radio 3 6G Full 6G Low	-	1	-	-	-	-	-	4.7	4.7	4.7	2.8	-	-	-
	-	2	-	-	-	-	-	4.7	4.7	4.7	2.8	-	-	-
	-	3	-	-	-	-	-	4.7	4.7	4.7	2.8	-	-	-
	-	4	-	-	-	-	-	4.7	4.7	4.7	2.8	-	-	-
	-	5	-	-	-	-	-	4.7	4.7	4.7	2.8	-	-	-
Ant 2 Radio 1 2.4G 5G Low 6G High	V-POL	1	7	6	6	-	-	-	-	6	6	-	-	-
	H-POL	2	7	6	6	-	-	-	-	6	6	-	-	-
	V-POL	3	7	6	6	-	-	-	-	6	6	-	-	-
	H-POL	4	7	6	6	-	-	-	-	6	6	-	-	-
Ant 2 Radio 2 5G Full 5G High	V-POL	1	-	6	6	6	6	-	-	-	-	-	-	-
	H-POL	2	-	6	6	6	6	-	-	-	-	-	-	-
	V-POL	3	-	6	6	6	6	-	-	-	-	-	-	-
	H-POL	4	-	6	6	6	6	-	-	-	-	-	-	-
Ant 2 Radio 3 6G Full 6G Low	V-POL	1	-	-	-	-	-	6	6	6	6	-	-	-
	H-POL	2	-	-	-	-	-	6	6	6	6	-	-	-
	V-POL	3	-	-	-	-	-	6	6	6	6	-	-	-
	H-POL	4	-	-	-	-	-	6	6	6	6	-	-	-
Ant 3 Radio 1 5G Low 6G High	- 45 POL	1	-	17	17	-	-	-	-	17	17	-	-	-
	+ 45 POL	2	-	17	17	-	-	-	-	17	17	-	-	-
	+ 45 POL	3	-	17	17	-	-	-	-	17	17	-	-	-
	- 45 POL	4	-	17	17	-	-	-	-	17	17	-	-	-
Ant 3 Radio 2 5G Full 5G High	- 45 POL	1	-	17	17	17	17	-	-	-	-	-	-	-
	+ 45 POL	2	-	17	17	17	17	-	-	-	-	-	-	-
	+ 45 POL	3	-	17	17	17	17	-	-	-	-	-	-	-
	- 45 POL	4	-	17	17	17	17	-	-	-	-	-	-	-
Ant 3 Radio 3 6G Full 6G Low	- 45 POL	1	-	-	-	-	-	17	17	17	17	-	-	-
	+ 45 POL	2	-	-	-	-	-	17	17	17	17	-	-	-
	+ 45 POL	3	-	-	-	-	-	17	17	17	17	-	-	-
	- 45 POL	4	-	-	-	-	-	17	17	17	17	-	-	-

Ant.	POL	Port	Antenna peak gain (dBi)											
			2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	BT	802.15.4	UWB
Ant 4 Radio 1 2.4G 5G Low	V-POL	1	11.1	15	15	-	-	-	-	-	-	-	-	-
	H-POL	2	11.1	15	15	-	-	-	-	-	-	-	-	-
	V-POL	3	11.1	15	15	-	-	-	-	-	-	-	-	-
	H-POL	4	11.1	15	15	-	-	-	-	-	-	-	-	-
Ant 4 Radio 2 5G Full 5G High	V-POL	1	-	15	15	15	15	-	-	-	-	-	-	-
	H-POL	2	-	15	15	15	15	-	-	-	-	-	-	-
	V-POL	3	-	15	15	15	15	-	-	-	-	-	-	-
	H-POL	4	-	15	15	15	15	-	-	-	-	-	-	-
Ant 5	-	1	-	-	-	-	-	5.8	4.39	4.54	5.28	-	-	-
Ant 6	-	2	-	-	-	-	-	4.31	5.13	4.62	4.43	-	-	-
Ant 7	-	3	-	-	-	-	-	5.41	5.06	3.5	4.6	-	-	-
Ant 8	-	4	-	-	-	-	-	4.15	3.89	2.42	3.55	-	-	-
Ant 9	-	1	2.42	4.11	4.34	5.46	3.49	3.46	4.88	5.13	4.76	-	-	-
Ant 10	-	2	2.86	3.32	3.52	3.7	4.34	5.68	4.13	4.75	4.59	-	-	-
Ant 11	-	1	-	-	-	-	-	-	-	-	-	3.6	3.6	-
Ant 12	-	2	-	-	-	-	-	-	-	-	-	5.7	5.7	-
Ant 13	-	3	-	-	-	-	-	-	-	-	-	2.7	2.7	-
Ant 14	-	4	-	-	-	-	-	-	-	-	-	3.04	3.04	-
Ant 15	-	1	-	-	-	-	-	-	-	-	-	-	-	4.7
Ant 16	-	2	-	-	-	-	-	-	-	-	-	-	-	5.4
Ant 17	-	3	-	-	-	-	-	-	-	-	-	-	-	4.8
Ant 18	-	4	-	-	-	-	-	-	-	-	-	-	-	4.4



Ant.	POL	Port	Antenna cable loss (dB)																	
			Main PCB to External Antenna Connector Loss					Radio 1: Main PCB to External Antenna Connector Loss Radio 3: Main PCB to Switch Board Loss				Radio 3: Switch Board to External Antenna Connector Loss				Antenna 3 Cable Loss		Main PCB to External Antenna Connector Loss		UWB
2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	UNII-5	UNII-6	UNII-7	UNII-8	5G Ant.	6G Ant.	BT	802.11 5.4	UWB			
Ant 1 Radio 1 2.4G 5G Low 6G High	-	1	1.38	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	-	-	-	-	
	-	2	1.38	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	-	-	-	-	
	-	3	1.38	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	-	-	-	-	
	-	4	1.38	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	-	-	-	-	
	-	5	1.38	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	-	-	-	-	
Ant 1 Radio 2 5G Full 5G High	-	1	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	
	-	2	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	
	-	3	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	
	-	4	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	
	-	5	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	
Ant 1 Radio 3 6G Full 6G Low	-	1	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	-	-	-	
	-	2	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	-	-	-	
	-	3	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	-	-	-	
	-	4	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	-	-	-	
	-	5	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	-	-	-	
Ant 2 Radio 1 2.4G 5G Low 6G High	V-POL	1	1.38	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	-	-	-	-	
	H-POL	2	1.38	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	-	-	-	-	
	V-POL	3	1.38	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	-	-	-	-	
	H-POL	4	1.38	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	-	-	-	-	
Ant 2 Radio 2 5G Full 5G High	V-POL	1	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	
	H-POL	2	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	
	V-POL	3	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	
	H-POL	4	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	
Ant 2 Radio 3 6G Full 6G Low	V-POL	1	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	-	-	-	
	H-POL	2	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	-	-	-	
	V-POL	3	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	-	-	-	
	H-POL	4	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	-	-	-	
Ant 3 Radio 1 5G Low 6G High	- 45 POL	1	-	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	0.75	0.84	-	-	
	+ 45 POL	2	-	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	0.75	0.84	-	-	
	+ 45 POL	3	-	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	0.75	0.84	-	-	
	- 45 POL	4	-	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	0.75	0.84	-	-	
Ant 3 Radio 2 5G Full 5G High	- 45 POL	1	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	0.75	-	-	-	
	+ 45 POL	2	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	0.75	-	-	-	
	+ 45 POL	3	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	0.75	-	-	-	
	- 45 POL	4	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	0.75	-	-	-	
Ant 3	- 45 POL	1	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	0.84	-	-	



Radio 3 6G Full 6G Low	+ 45 POL	2	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	0.84	-	-	-
	+ 45 POL	3	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	0.84	-	-	-
	- 45 POL	4	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	0.84	-	-	-



Ant.	POL	Port	Antenna cable loss (dB)																	
			Main PCB to External Antenna Connector Loss					Radio 1: Main PCB to External Antenna Connector Loss Radio 3: Main PCB to Switch Board Loss				Radio 3: Switch Board to External Antenna Connector Loss				Antenna 3 Cable Loss		Main PCB to External Antenna Connector Loss		UWB
			2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	UNII-5	UNII-6	UNII-7	UNII-8	5G Ant.	6G Ant.	BT	802.15.4	UWB
Ant 4 Radio 1 2.4G 5G Low	V-POL	1	1.38	1.86	1.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	H-POL	2	1.38	1.86	1.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	V-POL	3	1.38	1.86	1.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	H-POL	4	1.38	1.86	1.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ant 4 Radio 2 5G Full 5G High	V-POL	1	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	
	H-POL	2	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	
	V-POL	3	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	
	H-POL	4	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	
Ant 5	-	1	-	-	-	-	-	2.73	2.73	2.73	2.73	-	-	-	-	-	-	-	-	
Ant 6	-	2	-	-	-	-	-	2.73	2.73	2.73	2.73	-	-	-	-	-	-	-	-	
Ant 7	-	3	-	-	-	-	-	2.73	2.73	2.73	2.73	-	-	-	-	-	-	-	-	
Ant 8	-	4	-	-	-	-	-	2.73	2.73	2.73	2.73	-	-	-	-	-	-	-	-	
Ant 9	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ant 10	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ant 11	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ant 12	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ant 13	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ant 14	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.09	1.09	-	
Ant 15	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ant 16	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ant 17	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ant 18	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	



Ant.	POL	Port	Antenna Net Gain (dB)											
			2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	BT	802.15.4	UWB
Ant 1 Radio 1 2.4G 5G Low 6G High	-	1	3.02	2.54	2.54	-	-	-	-	2.52	0.62	-	-	-
	-	2	3.02	2.54	2.54	-	-	-	-	2.52	0.62	-	-	-
	-	3	3.02	2.54	2.54	-	-	-	-	2.52	0.62	-	-	-
	-	4	3.02	2.54	2.54	-	-	-	-	2.52	0.62	-	-	-
	-	5	3.02	2.54	2.54	-	-	-	-	2.52	0.62	-	-	-
Ant 1 Radio 2 5G Full 5G High	-	1	-	2.15	2.15	2.95	2.75	-	-	-	-	-	-	-
	-	2	-	2.15	2.15	2.95	2.75	-	-	-	-	-	-	-
	-	3	-	2.15	2.15	2.95	2.75	-	-	-	-	-	-	-
	-	4	-	2.15	2.15	2.95	2.75	-	-	-	-	-	-	-
	-	5	-	2.15	2.15	2.95	2.75	-	-	-	-	-	-	-
Ant 1 Radio 3 6G Full 6G Low	-	1	-	-	-	-	-	0.11	0.11	0.11	-1.79	-	-	-
	-	2	-	-	-	-	-	0.11	0.11	0.11	-1.79	-	-	-
	-	3	-	-	-	-	-	0.11	0.11	0.11	-1.79	-	-	-
	-	4	-	-	-	-	-	0.11	0.11	0.11	-1.79	-	-	-
	-	5	-	-	-	-	-	0.11	0.11	0.11	-1.79	-	-	-
Ant 2 Radio 1 2.4G 5G Low 6G High	V-POL	1	5.62	4.14	4.14	-	-	-	-	3.82	3.82	-	-	-
	H-POL	2	5.62	4.14	4.14	-	-	-	-	3.82	3.82	-	-	-
	V-POL	3	5.62	4.14	4.14	-	-	-	-	3.82	3.82	-	-	-
	H-POL	4	5.62	4.14	4.14	-	-	-	-	3.82	3.82	-	-	-
Ant 2 Radio 2 5G Full 5G High	V-POL	1	-	3.75	3.75	3.75	3.75	-	-	-	-	-	-	-
	H-POL	2	-	3.75	3.75	3.75	3.75	-	-	-	-	-	-	-
	V-POL	3	-	3.75	3.75	3.75	3.75	-	-	-	-	-	-	-
	H-POL	4	-	3.75	3.75	3.75	3.75	-	-	-	-	-	-	-
Ant 2 Radio 3 6G Full 6G Low	V-POL	1	-	-	-	-	-	1.41	1.41	1.41	1.41	-	-	-
	H-POL	2	-	-	-	-	-	1.41	1.41	1.41	1.41	-	-	-
	V-POL	3	-	-	-	-	-	1.41	1.41	1.41	1.41	-	-	-
	H-POL	4	-	-	-	-	-	1.41	1.41	1.41	1.41	-	-	-
Ant 3 Radio 1 5G Low 6G High	- 45 POL	1	-	14.39	14.39	-	-	-	-	13.98	13.98	-	-	-
	+ 45 POL	2	-	14.39	14.39	-	-	-	-	13.98	13.98	-	-	-
	+ 45 POL	3	-	14.39	14.39	-	-	-	-	13.98	13.98	-	-	-
	- 45 POL	4	-	14.39	14.39	-	-	-	-	13.98	13.98	-	-	-
Ant 3 Radio 2 5G Full 5G High	- 45 POL	1	-	14	14	14	14	-	-	-	-	-	-	-
	+ 45 POL	2	-	14	14	14	14	-	-	-	-	-	-	-
	+ 45 POL	3	-	14	14	14	14	-	-	-	-	-	-	-
	- 45 POL	4	-	14	14	14	14	-	-	-	-	-	-	-
Ant 3 Radio 3 6G Full 6G Low	- 45 POL	1	-	-	-	-	-	11.57	11.57	11.57	11.57	-	-	-
	+ 45 POL	2	-	-	-	-	-	11.57	11.57	11.57	11.57	-	-	-
	+ 45 POL	3	-	-	-	-	-	11.57	11.57	11.57	11.57	-	-	-
	- 45 POL	4	-	-	-	-	-	11.57	11.57	11.57	11.57	-	-	-



Ant.	POL	Port	Antenna Net Gain (dB)											
			2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	BT	802.15.4	UWB
Ant 4 Radio 1 2.4G 5G Low	V-POL	1	9.72	13.14	13.14	-	-	-	-	-	-	-	-	-
	H-POL	2	9.72	13.14	13.14	-	-	-	-	-	-	-	-	-
	V-POL	3	9.72	13.14	13.14	-	-	-	-	-	-	-	-	-
	H-POL	4	9.72	13.14	13.14	-	-	-	-	-	-	-	-	-
Ant 4 Radio 2 5G Full 5G High	V-POL	1	-	12.75	12.75	12.75	12.75	-	-	-	-	-	-	-
	H-POL	2	-	12.75	12.75	12.75	12.75	-	-	-	-	-	-	-
	V-POL	3	-	12.75	12.75	12.75	12.75	-	-	-	-	-	-	-
	H-POL	4	-	12.75	12.75	12.75	12.75	-	-	-	-	-	-	-
Ant 5	-	1	-	-	-	-	-	3.07	1.66	1.81	2.55	-	-	-
Ant 6	-	2	-	-	-	-	-	1.58	2.4	1.89	1.7	-	-	-
Ant 7	-	3	-	-	-	-	-	2.68	2.33	0.77	1.87	-	-	-
Ant 8	-	4	-	-	-	-	-	1.42	1.16	-0.31	0.82	-	-	-
Ant 9	-	1	2.42	4.11	4.34	5.46	3.49	3.46	4.88	5.13	4.76	-	-	-
Ant 10	-	2	2.86	3.32	3.52	3.7	4.34	5.68	4.13	4.75	4.59	-	-	-
Ant 11	-	1	-	-	-	-	-	-	-	-	-	3.6	3.6	-
Ant 12	-	2	-	-	-	-	-	-	-	-	-	5.7	5.7	-
Ant 13	-	3	-	-	-	-	-	-	-	-	-	2.7	2.7	-
Ant 14	-	4	-	-	-	-	-	-	-	-	-	1.95	1.95	-
Ant 15	-	1	-	-	-	-	-	-	-	-	-	-	-	4.7
Ant 16	-	2	-	-	-	-	-	-	-	-	-	-	-	5.4
Ant 17	-	3	-	-	-	-	-	-	-	-	-	-	-	4.8
Ant 18	-	4	-	-	-	-	-	-	-	-	-	-	-	4.4

Ant.		Composite Gain (dBi) for 4TX								
		2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8
Ant 5~8 Radio 3 6G Full 6G Low	DG [1SS]	-	-	-	-	-	6.11	5.89	4.62	5.39
	DG [4SS]	-	-	-	-	-	5.8	5.13	4.62	5.28

Ant.		Composite Gain (dBi) for 2TX								
		2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8
Ant 5~8 Radio 3 6G Full 6G Low	DG [1SS]	-	-	-	-	-	6.33	6.5	5.7	5.91
	DG [2SS]	-	-	-	-	-	5.8	5.13	4.62	5.28
Ant 9~10 Radio 4 Scan	DG [1SS]	4.23	5.88	6.57	7.04	5.34	5.85	4.88	5.32	4.76
	DG [2SS]	2.86	4.11	4.34	5.46	4.34	5.68	4.88	5.13	4.76



Note 1: The EUT has eighteen antennas.

Note 2: The antenna gain and directional gain are measured which follow the procedure of KDB 662911 D03.

Note 3: The 6GHz function of antenna 2 is not enabled at this time.

Note 4: BT= Bluetooth.

For 2.4GHz function:

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

Ant. 1 or Ant. 2 or Ant.4 could transmit/receive.

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/4RX) (Radio 1)

Ant. 1 or Ant. 2 or Ant.4 could transmit/receive simultaneously.

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

Ant. 1 or Ant. 2 or Ant.4 could transmit/receive simultaneously.

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/2RX) (Scan Radio)

Ant. 9~10 could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax/be mode (1TX/4RX) (Radio 1_Low and)

Ant. 1 or Ant. 2 or Ant.3 or Ant.4 could transmit/receive.

For IEEE 802.11 a/n/ac/ax/be mode (2TX/4RX) (Radio 1_Low and)

Ant. 1 or Ant. 2 or Ant.3 or Ant.4 could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax/be mode (4TX/4RX) (Radio 1_Low and)

Ant. 1 or Ant. 2 or Ant.3 or Ant.4 could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax/be mode (1TX/4RX) (Radio 2)

Ant. 1 or Ant. 2 or Ant.3 or Ant.4 could transmit/receive.

For IEEE 802.11 a/n/ac/ax/be mode (2TX/4RX) (Radio 2)

Ant. 1 or Ant. 2 or Ant.3 or Ant.4 could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax/be mode (4TX/4RX) (Radio 2)

Ant. 1 or Ant. 2 or Ant.3 or Ant.4 could transmit/receive simultaneously.

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/2RX) (Scan Radio)

Ant. 9~10 could transmit/receive simultaneously.

For 6GHz function:

For IEEE 802.11 ax/be mode (1TX/4RX) (Radio 1_High Band)

Ant. 1 or Ant. 2 or Ant.3 could transmit/receive.

For IEEE 802.11 ax/be mode (2TX/4RX) (Radio 1_High Band)

Ant. 1 or Ant. 2 or Ant.3 could transmit/receive simultaneously.

For IEEE 802.11 ax/be mode (4TX/4RX) (Radio 1_High Band)

Ant. 1 or Ant. 2 or Ant.3 could transmit/receive simultaneously.

For IEEE 802.11 ax/be mode (1TX/4RX) (Radio 3_Low Band)

Ant. 1 or Ant. 2 or Ant.3 could transmit/receive.

Ant. 5 could transmit/receive.

For IEEE 802.11 ax/be mode (2TX/4RX) (Radio 3_Low Band)

Ant. 1 or Ant. 2 or Ant.3 could transmit/receive simultaneously.

Ant. 5~6 could transmit/receive simultaneously.



For IEEE 802.11 ax/be mode (4TX/4RX) (Radio 3_Low Band)
 Ant. 1 or Ant. 2 or Ant.3 could transmit/receive simultaneously.
 Ant. 5~8 could transmit/receive simultaneously.
 For IEEE 802.11 ax/be mode (1TX/4RX) (Radio 3)
 Ant. 1 or Ant. 2 or Ant.3 could transmit/receive.
 Ant. 5 could transmit/receive.
 For IEEE 802.11 ax/be mode (2TX/4RX) (Radio 3)
 Ant. 1 or Ant. 2 or Ant.3 could transmit/receive simultaneously.
 Ant. 5~6 could transmit/receive simultaneously.
 For IEEE 802.11 ax/be mode (4TX/4RX) (Radio 3)
 Ant. 1 or Ant. 2 or Ant.3 could transmit/receive simultaneously.
 Ant. 5~8 could transmit/receive simultaneously.
 For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/2RX) (Scan Radio)
 Ant. 9~10 could transmit/receive simultaneously.

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)
 Ant. 11 or Ant.12 or Ant 13 or Ant 14 could transmit/receive.
 Support diversity function and pre-tested on each single chain, the worst case was port 2 and it was recorded in this test report.

For 802.15.4 function:

For IEEE 802.15.4 mode (1TX/1RX)
 Ant. 11 or Ant.12 or Ant 13 or Ant 14 could transmit/receive.
 Support diversity function and pre-tested on each single chain, the worst case was port 2 and it was recorded in this test report.

For UWB function(2TX/4RX):

Ant. 15 and Ant 17 could transmit. Ant. 15~18 could receive.

Note 5: Directional gain information (Ant 1~4)

	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{in}} \left\{ \sum_{k=1}^{N_{out}} g_{j,k} \right\}^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{in}} \left\{ \sum_{k=1}^{N_{out}} g_{j,k} \right\}^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{in}} \left\{ \sum_{k=1}^{N_{out}} g_{j,k} \right\}^2}{N_{ANT}} \right]$

1.3 Table for EUT Support Function

Function
AP
Bridge
Mesh

Note: The above information was declared by manufacturer.

1.4 Table for Radio Function

<EUT 1: AP5022, EUT 2: AP5022S6D>

Radio (R)	WLAN 2.4GHz	5GHz	Scanning radio (WLAN 2.4GHz / 5GHz / 6GHz)	6GHz	Bluetooth / IEEE802.15.4	UWB
R1	V (AP, Bridge, Mesh)	V (AP for UNII 1~2A, Bridge, Mesh for UNII 1)	-	V (AP for 6GHz UNII 7~8)	-	-
R2	-	V (AP for UNII 1~3 or UNII 2C~3 / Bridge, Mesh for UNII 3)	-	-	-	-
R3	-	-	-	V (AP for 6GHz UNII 5~8 or UNII 5)	-	-
R4	-	-	V (AP, for 2.4GHz, 5GHz UNII 1~3, 6GHz UNII 5~8)	-	-	-
R5	-	-	-	-	V	-
R6	-	-	-	-	-	V

Note 1: The above information was declared by manufacturer.

Note 2: R means Radio

**<EUT 3: AP5022FX>**

Radio (R)	WLAN 2.4GHz	5GHz	Scanning radio (WLAN 2.4GHz / 5GHz / 6GHz)	6GHz	Bluetooth / IEEE802.15.4	UWB
R1	V (AP, Bridge, Mesh)	V (AP for UNII 1~2A, Bridge, Mesh for UNII 1)	-	V (AP for 6GHz UNII 7~8/6SD External ant.)	-	-
R2	-	V (AP for UNII 1~3 or UNII 2C~3 / Bridge, Mesh for UNII 3)	-	-	-	-
R3	-	-	-	V (AP for 6GHz UNII 5~8 or UNII 5/6ID Internal ant.&6SD External ant.)	-	-
R4	-	-	V (AP, for 2.4GHz, 5GHz UNII 1~3, 6GHz UNII 5~8/6ID Internal ant.&6SD Internal ant.)	-	-	-
R5	-	-	-	-	V	-
R6	-	-	-	-	-	V

Note 1: The above information was declared by manufacturer.

Note 2: R means Radio

1.5 Table for Multiple Listing

EUT	Model Name	6ID	6SD	Wi-Fi Antenna (Radio 1~3)	Scan Antenna (Radio 4)	BT/802.15.4 Antenna (Radio 5)	UWB Antenna (Radio 6)
1	AP5022	R1/R3/R4 Support	R1/R3/R4 Support	Internal Antenna (Not the same)	Internal Antenna (the same)	Internal Antenna (the same)	the same
2	AP5022S6D	R1/R3/R4 Support	R1/R3/R4 Support	Internal Antenna (Not the same)	Internal Antenna (the same)	Internal Antenna (the same)	the same
3	AP5022FX	R1: Not support R3: Support R4: Support	R1: Support R3: Internal Antenna: Not Support / External Antenna: Support R4: Support	R1: External Antenna R2: External Antenna R3: Internal Antenna (Not the same) / External Antenna	Internal Antenna (the same)	Internal Antenna (the same) / External Antenna	the same

Note 1: From above models, model AP5022S6D (EUT 2) and AP5022FX (EUT 3) were selected to test.

Note 2: R meas Radio

Note 3: The above information was declared by manufacturer.

1.6 Accessories

Bracket*1

1.7 Support Equipment

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Notebook	DELL	E4300	N/A
C	WLAN module	QCA	QCNCM865	N/A
D	PoE	Microsemi	PD-9501-10GC/AC	N/A
E	Proxy	DELL	OptiPlex	N/A



1.8 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

1.9 Testing Location

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Caster Chang	22.1-25.3 / 54-59	Mar. 31, 2026~ Apr. 09, 2026



2 Measurement Environment

Measurement Environment Information	
AFC DUT Test Harness version	2.0.65.184

2.1 The Measurement Configuration

The Mode for Following Conformance Tests	
1	EUT 2_Low Power Indoor + Standard Power Access Point_Radio 1 (High band) + Radio 3 (Low band)_spot check: RSA max/min bandwidth only
2	EUT 2_Low Power Indoor + Standard Power Access Point_Radio 3 (Full band)_full tests
3	EUT 3_Standard Power Access Point_Radio 3 (Full band)_spot check: RSA max/min bandwidth only
4	EUT 3_Standard Power Access Point_Radio 1 (High band) + Radio 3 (Low band)_full tests

Note: The PoE is for measurement only, would not be marketed.

PoE information as below:

Power	Brand	Model
PoE	Microsemi	PD-9501-10GC/AC



2.2 AFCD General Capabilities Declaration

<EUT 2: AP5022S6D>

Mode 1: For Radio 1 (High band) + Radio 3 (Low band)

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

Note: The above information was declared by manufacturer.

**Mode 2: Radio 3**

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

Note: The above information was declared by manufacturer.

**<EUT 3: AP5022FX>****Mode 3: Radio 3**

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

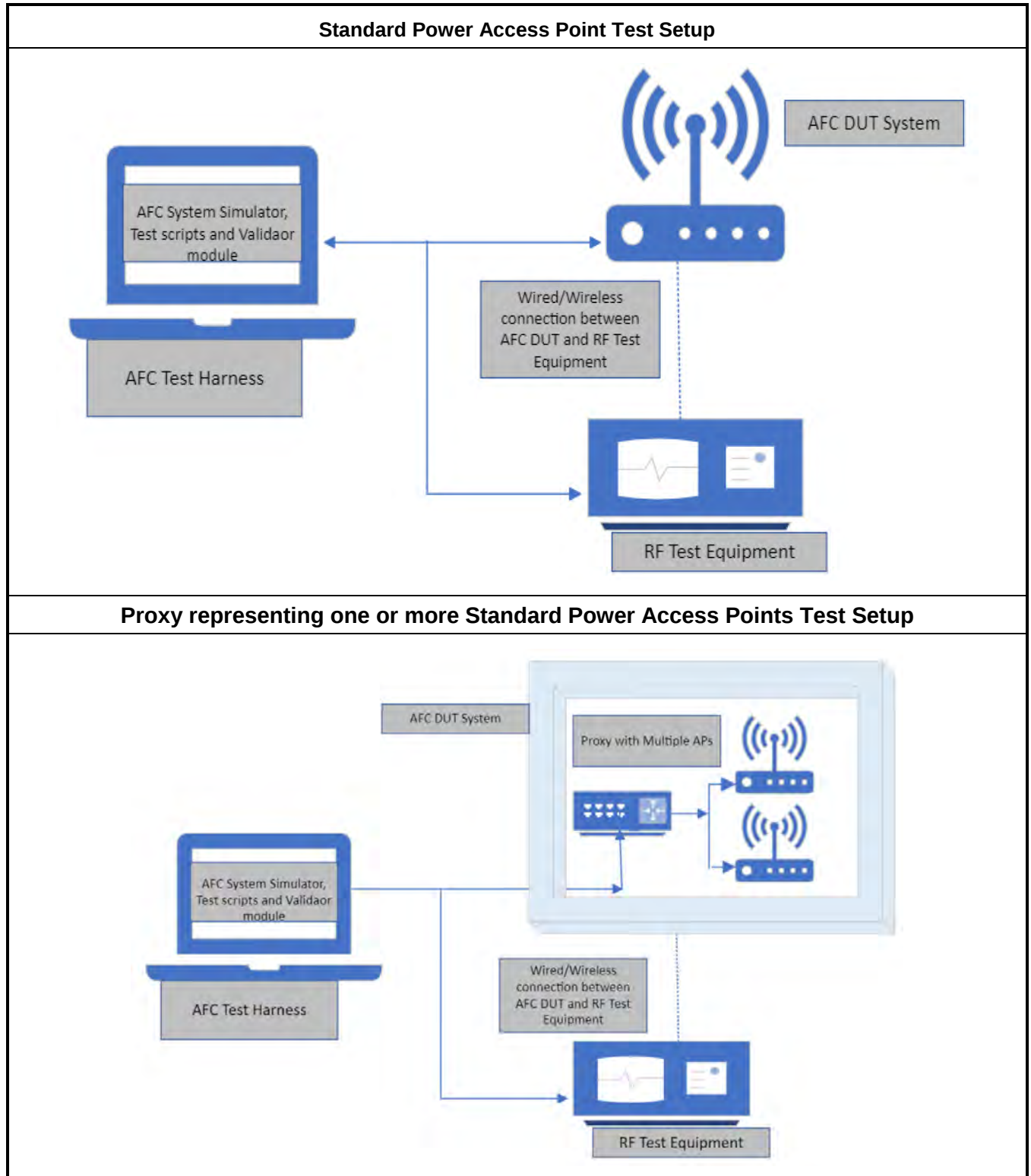
Note: The above information was declared by manufacturer.

**Mode 4: Radio 1 (High band) + Radio 3 (Low band)**

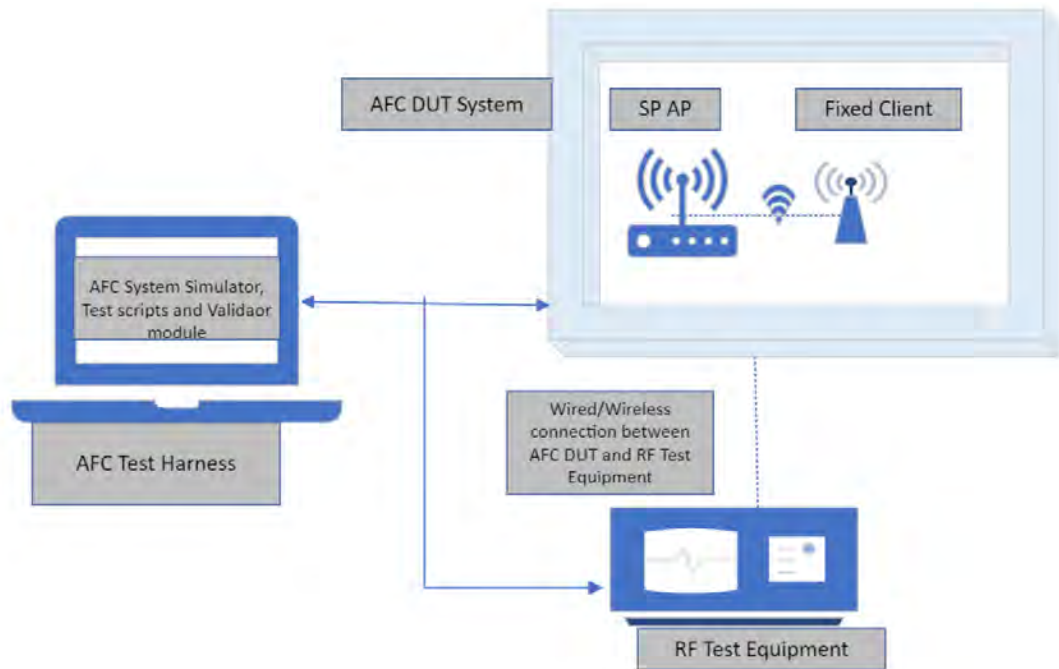
Item	Question	Vendor Response
1	AFC DUT Type	Standalone AP with Proxy
2	Does the AFC DUT supports sending an Available Spectrum Inquiry Request based on the inquired Frequency Range field?	No
3	Does the AFC DUT supports sending an Available Spectrum Inquiry Request based on the inquired Channels fields?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

Note: The above information was declared by manufacturer.

2.3 Test Configuration



Fixed Client Device Test Setup





3 Protocol Test Results

3.1 Successful Registration and Spectrum Access Request

3.1.1 Test Procedure

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



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

3.1.2 Test Result

Refer as Appendix A~C



3.2 Unsuccessful Spectrum Access Request

3.2.1 Test Procedure

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

3.2.2 Test Result

Refer as Appendix A~C



3.3 Successful Spectrum Access Update

3.3.1 Test Procedure

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



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

3.3.2 Test Result

Refer as Appendix A~C



3.4 Unsuccessful Spectrum Access Update

3.4.1 Test Procedure

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



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

3.4.2 Test Result

Refer as Appendix A~C



3.5 Unsuccessful Server Validation

3.5.1 Test Procedure

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

3.5.2 Test Result

Refer as Appendix A



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 27, 2025	May 26, 2026	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH01-CB)
RF Power Divider	Titan	2 Way	DV-8G -09	2GHz ~ 8GHz	Sep. 20, 2025	Sep. 19, 2026	Conducted (TH01-CB)
RF Power Divider	Titan	2 Way	DV-8G -10	2GHz ~ 8GHz	Sep. 20, 2025	Sep. 19, 2026	Conducted (TH01-CB)
RF Power Divider	MTJ	2 Way	DF01-DV03	1GHz ~ 8GHz	Sep. 20, 2025	Sep. 19, 2026	Conducted (TH01-CB)
RF Power Divider	MTJ	2 Way	DF01-DV02	1GHz ~ 8GHz	Sep. 20, 2025	Sep. 19, 2026	Conducted (TH01-CB)

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

NCR means Non-Calibration required.



5 Measurement Uncertainty

Test Items	Uncertainty	Remark
Conducted Emission	2.5 dB	Confidence levels of 95%

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP with Proxy
DUT Vendor Name	Extreme Networks
DUT Product Model	AP5022S6D

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_Channel_320MHz_10714_1(Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_Channel_20MHz_10618_1(Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_Channel_320MHz_10714_1 (Successful registration and spectrum access request)
 TestResult: PASS
 Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (31.7 dBm EIRP) in Spectrum Reponse] on channel center frequency index 31 bandwidth 320.	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (14.8 dBm EIRP) in Spectrum Reponse] on channel center frequency index 85 bandwidth 320.	true	PASS

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

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (21.9 dBm EIRP) in Spectrum Reponse] on channel 149 bandwidth 20.	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (34.5 dBm EIRP) in Spectrum Reponse] on channel 85 bandwidth 20.	true	PASS

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP with Proxy
DUT Vendor Name	Extreme Networks
DUT Product Model	AP5022S6D

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_TLSCipherSuiteFNUL_10638_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_MatchSuffixSAN_10634_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_NonMatchSAN_10632_1 (Unsuccessful server validation)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_Channel_320MHz_10714_1 (Successful registration and spectrum access request)	PASS
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDUAIU34_Channel_10624_1 (Unsuccessful spectrum access update)	PASS
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDUAIU33_Channel_10623_1 (Successful spectrum access update)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii)	CT_AFC_SP_AP_AFCDUSA32_Channel_10622_1 (Unsuccessful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_Channel_160MHz_10621_1 (Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_Channel_80MHz_10620_1 (Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_Channel_40MHz_10619_1 (Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_Channel_20MHz_10618_1 (Successful registration and spectrum access request)	PASS

Test Measurements

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

Measurement 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

Measurement 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

Measurement 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

Measurement 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

Measurement 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

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1 (Unsuccessful server validation)

TestResult:PASS
Band:6GHz

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

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

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

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_Channel_320MHz_10714_1 (Successful registration and spectrum access request)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (23.5 dBm EIRP) in Spectrum Reponse] on channel center frequency index 69 bandwidth 320.	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (21.3 dBm EIRP) in Spectrum Reponse] on channel center frequency index 31 bandwidth 320.	true	PASS

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

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

AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (36.0 dBm EIRP) in Spectrum Response] on channel 37 bandwidth 20.	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

TestCaseName: CT_AFC_SP_AP_AFCDSAU33_Channel_10623_1 (Successful spectrum access update)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION_1	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (24.4 dBm EIRP) in Spectrum Response] on channel 21 bandwidth 20.	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

TestCaseName: CT_AFC_SP_AP_AFCDSA32_Channel_10622_1 (Unsuccessful registration and spectrum access request)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_SP_AP_AFCDSA31_Channel_160MHz_10621_1 (Successful registration and spectrum access request)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the	false	PASS

	Spectrum Inquiry Response		
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (30.7 dBm EIRP) in Spectrum Reponse] on channel center frequency index 79 bandwidth 160.	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (34.9 dBm EIRP) in Spectrum Reponse] on channel center frequency index 143 bandwidth 160.	true	PASS

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

Measurement Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (29.1 dBm EIRP) in Spectrum Reponse] on channel center frequency index 7 bandwidth 80.	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (30.7 dBm EIRP) in Spectrum Reponse] on channel center frequency index 135 bandwidth 80.	true	PASS

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

Measurement Name	Description	Value	Validation Result
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AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (27.2 dBm EIRP) in Spectrum Reponse] on channel center frequency index 83 bandwidth 40.	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (26.4 dBm EIRP) in Spectrum Reponse] on channel center frequency index 35 bandwidth 40.	true	PASS

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

Measurement Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (31.0 dBm EIRP) in Spectrum Reponse] on channel 37 bandwidth 20.	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (27.8 dBm EIRP) in Spectrum Reponse] on channel 69 bandwidth 20.	true	PASS

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP with Proxy
DUT Vendor Name	Extreme Networks
DUT Product Model	AP5022FX

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_Channel_320MHz_10714_1 (Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_Channel_20MHz_10618_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_Channel_320MHz_10714_1 (Successful registration and spectrum access request)
 TestResult: PASS
 Band: 6GHz

Measurement Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (31.2 dBm EIRP) on channel center frequency index 31 bandwidth 320.	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (26.2 dBm EIRP) on channel center frequency index 45 bandwidth 320.	true	PASS

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

Measurement's Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (31.7 dBm EIRP) on channel 85 bandwidth 20.	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (32.2 dBm EIRP) on channel 149 bandwidth 20.	true	PASS

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP with Proxy
DUT Vendor Name	Extreme Networks
DUT Product Model	AP5022FX

Test Result

#CC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDSV35_NoRootCA_10639_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDSV35_TLSCipherSuiteENULL_10638_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDSV35_StapledOCSPRespExpired_10637_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDSV35_OCSPStaplingDisabled_10636_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDSV35_ServerCertRevoked_10635_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDSV35_MatchSuffixSAN_10634_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDSV35_DifferentRootCA_10633_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDSV35_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_AFCRSA31_Channel_320MHz_10714_1 (Successful registration and spectrum access request)	PASS
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDSU34_Channel_10624_1 (Unsuccessful spectrum access update)	PASS
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDSU33_Channel_10623_1 (Successful spectrum access update)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii)	CT_AFC_SP_AP_AFCDSU32_Channel_10622_1 (Unsuccessful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCRSA31_Channel_160MHz_10621_1 (Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCRSA31_Channel_80MHz_10620_1 (Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCRSA31_Channel_40MHz_10619_1 (Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCRSA31_Channel_20MHz_10618_1 (Successful registration and spectrum access request)	PASS

Test Measurements

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_Channel_320MHz_10714_1 (Successful registration and spectrum access request)
TestResult: PASS
Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (31.0 dBm EIRP) on channel center frequency index 31 bandwidth 320.	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (25.9 dBm EIRP) on channel center frequency index 85 bandwidth 320.	true	PASS

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

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (36.0 dBm EIRP) on channel 181 bandwidth 20.	true	PASS

AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS
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TestCaseName: CT_AFC_SP_AP_AFCDSAU33_Channel_10623_1 (Successful spectrum access update)
TestResult: PASS
Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION_1	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (25.0 dBm EIRP) on channel 145 bandwidth 20.	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_SP_OPERATION_2	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (22.4 dBm EIRP) on channel 165 bandwidth 20.	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDSA32_Channel_10622_1 (Unsuccessful registration and spectrum access request)
TestResult: PASS
Band: 6GHz

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

TestCaseName: CT_AFC_SP_AP_AFCDSA31_Channel_160MHz_10621_1 (Successful registration and spectrum access request)
TestResult: PASS
Band: 6GHz

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

AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (31.2 dBm EIRP) on channel center frequency index 143 bandwidth 160.	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (31.5 dBm EIRP) on channel center frequency index 47 bandwidth 160.	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDSA31_Channel_80MHz_10620_1 (Successful registration and spectrum access request)
TestResult: PASS
Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (28.9 dBm EIRP) on channel center frequency index 71 bandwidth 80.	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (29.8 dBm EIRP) on channel center frequency index 167 bandwidth 80.	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDSA31_Channel_40MHz_10619_1 (Successful registration and spectrum access request)
TestResult: PASS
Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (24.1 dBm EIRP) on channel center frequency index 19 bandwidth 40.	true	PASS

AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (25.9 dBm EIRP) on channel center frequency index 147 bandwidth 40.	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDSA31_Channel_20MHz_10618_1 (Successful registration and spectrum access request)
TestResult: PASS
Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (26.8 dBm EIRP) on channel 37 bandwidth 20.	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (28.2 dBm EIRP) on channel 149 bandwidth 20.	true	PASS

AFC capability - Inquired Channel**CT_AFC_SP_AP_AFCRSA31_Channel_20MHz_10618_1**

2026-04-09T07:59:50Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF062542W-50001",
        "deviceDescriptor": {
          "serialNumber": "WF062542W-50001",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      }
    }
  }
}
```

```
        "ellipse": {
            "majorAxis": 30,
            "minorAxis": 19,
            "orientation": 90.0,
            "center": {
                "latitude": 43.83956,
                "longitude": -79.3818
            }
        },
        "inquiredFrequencyRange": [],
        "inquiredChannels": [
            {
                "globalOperatingClass": 131
            },
            {
                "globalOperatingClass": 132
            },
            {
                "globalOperatingClass": 133
            },
            {
                "globalOperatingClass": 134
            },
            {
                "globalOperatingClass": 137
            }
        ],
        "minDesiredPower": 0.0
    }
]
```

2026-04-09T07:59:51Z

```
{
    "availableSpectrumInquiryResponses": [
```

```
{
  "response": {
    "responseCode": 0,
    "shortDescription": "SUCCESS"
  },
  "availableChannelInfo": [
    {
      "channelCfi": [
        33,
        37,
        41,
        45,
        65,
        69,
        73,
        77,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        24.5,
        26.3,
        24.5,
        34.0,
        22.4,
        31.6,
        28.0,
        22.5,
        34.3,
        33.4,
```

```
        34.1,  
        25.1,  
        24.7,  
        21.9,  
        29.1,  
        31.0  
    ]  
},  
{  
    "channelCfi": [  
        35,  
        43,  
        67,  
        75,  
        131,  
        139,  
        147,  
        155  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        27.5,  
        27.5,  
        25.4,  
        25.5,  
        36.0,  
        28.1,  
        24.9,  
        32.1  
    ]  
},  
{  
    "channelCfi": [  
        39,  
        71,  
        135,  
        151
```

```
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        30.5,
        28.4,
        31.1,
        27.9
    ]
},
{
    "channelCfi": [
        143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        30.9
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "WF062542W-50001",
"availabilityExpireTime": "2026-04-10T07:59:51Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2026-04-09T08:00:35Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
```

```
"Content-Type": "application/json",
"User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
"Accept-Encoding": "gzip,deflate",
"X-Forwarded-For": "192.168.1.169",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "659",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "WF062542W-50001",
      "deviceDescriptor": {
        "serialNumber": "WF062542W-50001",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "QXO-AP5022"
          }
        ]
      }
    }
  ],
  "location": {
    "indoorDeployment": 2,
    "elevation": {
      "height": 154.9,
      "heightType": "AMSL",
      "verticalUncertainty": 66
    },
    "ellipse": {
      "majorAxis": 30,
      "minorAxis": 19,
      "orientation": 90.0,
      "center": {
        "latitude": 43.83956,
        "longitude": -79.3818
      }
    }
  }
}
```

```
        }
      }
    },
    "inquiredFrequencyRange": [],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      },
      {
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 137
      }
    ],
    "minDesiredPower": 0.0
  }
]
}
```

2026-04-09T08:00:35Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
```

```
"channelCfi": [  
    33,  
    37,  
    41,  
    45,  
    65,  
    69,  
    73,  
    77,  
    129,  
    133,  
    137,  
    141,  
    145,  
    149,  
    153,  
    157  
],  
"globalOperatingClass": 131,  
"maxEirp": [  
    24.5,  
    26.3,  
    24.5,  
    34.0,  
    22.4,  
    31.6,  
    28.0,  
    22.5,  
    34.3,  
    33.4,  
    34.1,  
    25.1,  
    24.7,  
    21.9,  
    29.1,  
    31.0  
]  
]
```

```
    },  
    {  
      "channelCfi": [  
        35,  
        43,  
        67,  
        75,  
        131,  
        139,  
        147,  
        155  
      ],  
      "globalOperatingClass": 132,  
      "maxEirp": [  
        27.5,  
        27.5,  
        25.4,  
        25.5,  
        36.0,  
        28.1,  
        24.9,  
        32.1  
      ]  
    },  
    {  
      "channelCfi": [  
        39,  
        71,  
        135,  
        151  
      ],  
      "globalOperatingClass": 133,  
      "maxEirp": [  
        30.5,  
        28.4,  
        31.1,  
        27.9
```

```
    ]
  },
  {
    "channelCfi": [
      143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
      30.9
    ]
  },
  {
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
  }
],
"requestId": "WF062542W-50001",
"availabilityExpireTime": "2026-04-10T08:00:35Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2026-04-09T08:01:35Z #####
```

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
```

```
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "WF062542W-50001",
      "deviceDescriptor": {
        "serialNumber": "WF062542W-50001",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "QXO-AP5022"
          }
        ]
      }
    }
  ],
  "location": {
    "indoorDeployment": 2,
    "elevation": {
      "height": 154.9,
      "heightType": "AMSL",
      "verticalUncertainty": 66
    },
    "ellipse": {
      "majorAxis": 30,
      "minorAxis": 19,
      "orientation": 90.0,
      "center": {
        "latitude": 43.83956,
        "longitude": -79.3818
      }
    }
  },
  "inquiredFrequencyRange": [],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ]
}
```

```
        },
        {
            "globalOperatingClass": 132
        },
        {
            "globalOperatingClass": 133
        },
        {
            "globalOperatingClass": 134
        },
        {
            "globalOperatingClass": 137
        }
    ],
    "minDesiredPower": 0.0
}
]
```

2026-04-09T08:01:35Z

```
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        33,
                        37,
                        41,
                        45,
                        65,
                        69,
```

```
        73,  
        77,  
        129,  
        133,  
        137,  
        141,  
        145,  
        149,  
        153,  
        157  
    ],  
    "globalOperatingClass": 131,  
    "maxEirp": [  
        24.5,  
        26.3,  
        24.5,  
        34.0,  
        22.4,  
        31.6,  
        28.0,  
        22.5,  
        34.3,  
        33.4,  
        34.1,  
        25.1,  
        24.7,  
        21.9,  
        29.1,  
        31.0  
    ]  
},  
{  
    "channelCfi": [  
        35,  
        43,  
        67,  
        75,
```

```
        131,
        139,
        147,
        155
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        27.5,
        27.5,
        25.4,
        25.5,
        36.0,
        28.1,
        24.9,
        32.1
    ]
},
{
    "channelCfi": [
        39,
        71,
        135,
        151
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        30.5,
        28.4,
        31.1,
        27.9
    ]
},
{
    "channelCfi": [
        143
    ],
    "globalOperatingClass": 134,
```

```
        "maxEirp": [
            30.9
        ]
    },
    {
        "channelCfi": [],
        "globalOperatingClass": 137,
        "maxEirp": []
    }
],
"requestId": "WF062542W-50001",
"availabilityExpireTime": "2026-04-10T08:01:35Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2026-04-09T08:07:03Z

```
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
        "Accept-Encoding": "gzip,deflate",
        "X-Forwarded-For": "192.168.1.169",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "659",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "WF062542W-50001",
```

```
"deviceDescriptor": {
  "serialNumber": "WF062542W-50001",
  "certificationId": [
    {
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
      "id": "QXO-AP5022"
    }
  ]
},
"location": {
  "indoorDeployment": 2,
  "elevation": {
    "height": 154.9,
    "heightType": "AMSL",
    "verticalUncertainty": 66
  },
  "ellipse": {
    "majorAxis": 30,
    "minorAxis": 19,
    "orientation": 90.0,
    "center": {
      "latitude": 43.83956,
      "longitude": -79.3818
    }
  }
},
"inquiredFrequencyRange": [],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
]
```

```
{
    "globalOperatingClass": 134
},
{
    "globalOperatingClass": 137
}
],
"minDesiredPower": 0.0
}
]
}
}
```

2026-04-09T08:07:03Z

```
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        1,
                        5,
                        9,
                        13,
                        17,
                        21,
                        25,
                        29,
                        49,
                        53,
                        57,
                        61,
                        81,
```

```
      85,  
      89,  
      93,  
      161,  
      165,  
      169,  
      173  
    ],  
    "globalOperatingClass": 131,  
    "maxEirp": [  
      21.9,  
      21.8,  
      25.7,  
      21.9,  
      23.2,  
      34.5,  
      31.6,  
      30.8,  
      26.9,  
      28.5,  
      25.3,  
      31.4,  
      28.0,  
      34.5,  
      26.5,  
      33.8,  
      33.7,  
      34.7,  
      27.9,  
      26.9  
    ]  
  },  
  {  
    "channelCfi": [  
      3,  
      11,  
      19,
```

```
        27,  
        51,  
        59,  
        83,  
        91,  
        163,  
        171  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        24.8,  
        24.9,  
        26.2,  
        33.8,  
        29.9,  
        28.3,  
        31.0,  
        29.5,  
        36.0,  
        29.9  
    ]  
},  
{  
    "channelCfi": [  
        7,  
        23,  
        55,  
        87,  
        167  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
        27.8,  
        29.2,  
        31.3,  
        32.5,  
        32.9
```

```
    ]
  },
  {
    "channelCfi": [
      15
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
      30.8
    ]
  },
  {
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
  }
],
"requestId": "WF062542W-50001",
"availabilityExpireTime": "2026-04-10T08:07:03Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

CT_AFC_SP_AP_AFCDSA31_Channel_320MHz_10714_1

2026-04-09T08:35:50Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF062542W-50001",
        "deviceDescriptor": {
          "serialNumber": "WF062542W-50001",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      }
    },
    "ellipse": {
```

```
        "majorAxis": 30,
        "minorAxis": 19,
        "orientation": 90.0,
        "center": {
            "latitude": 43.83956,
            "longitude": -79.3818
        }
    },
    "inquiredFrequencyRange": [],
    "inquiredChannels": [
        {
            "globalOperatingClass": 131
        },
        {
            "globalOperatingClass": 132
        },
        {
            "globalOperatingClass": 133
        },
        {
            "globalOperatingClass": 134
        },
        {
            "globalOperatingClass": 137
        }
    ],
    "minDesiredPower": 0.0
}
]
```

```
##### 2026-04-09T08:35:50Z #####
{
    "availableSpectrumInquiryResponses": [
        {
```

```
"response": {
  "responseCode": 0,
  "shortDescription": "SUCCESS"
},
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      25.1,
      29.5,
      30.8,
      24.6,
      26.7,
      22.3,
      28.8,
      29.4,
      30.3,
      27.8,
      28.5,
```

```
        29.9,  
        19.6,  
        29.8,  
        22.4,  
        29.5  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        19,  
        27,  
        35,  
        43,  
        51,  
        59  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        28.1,  
        27.6,  
        25.3,  
        31.8,  
        30.8,  
        31.5,  
        22.6,  
        25.4  
    ]  
},  
{  
    "channelCfi": [  
        7,  
        23,  
        39,  
        55  
    ],  
}
```

```
"globalOperatingClass": 133,
  "maxEirp": [
    30.6,
    28.3,
    33.8,
    25.6
  ]
},
{
  "channelCfi": [
    15,
    47
  ],
  "globalOperatingClass": 134,
  "maxEirp": [
    31.3,
    28.6
  ]
},
{
  "channelCfi": [
    31
  ],
  "globalOperatingClass": 137,
  "maxEirp": [
    31.7
  ]
}
],
"requestId": "WF062542W-50001",
"availabilityExpireTime": "2026-04-10T08:35:50Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2026-04-09T08:36:50Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF062542W-50001",
        "deviceDescriptor": {
          "serialNumber": "WF062542W-50001",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      },
      "ellipse": {
        "majorAxis": 30,
```

```
        "minorAxis": 19,
        "orientation": 90.0,
        "center": {
            "latitude": 43.83956,
            "longitude": -79.3818
        }
    },
    "inquiredFrequencyRange": [],
    "inquiredChannels": [
        {
            "globalOperatingClass": 131
        },
        {
            "globalOperatingClass": 132
        },
        {
            "globalOperatingClass": 133
        },
        {
            "globalOperatingClass": 134
        },
        {
            "globalOperatingClass": 137
        }
    ],
    "minDesiredPower": 0.0
}
]
```

2026-04-09T08:36:50Z

```
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
```

```
"responseCode": 0,
"shortDescription": "SUCCESS"
},
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      25.1,
      29.5,
      30.8,
      24.6,
      26.7,
      22.3,
      28.8,
      29.4,
      30.3,
      27.8,
      28.5,
      29.9,
```

```
        19.6,  
        29.8,  
        22.4,  
        29.5  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        19,  
        27,  
        35,  
        43,  
        51,  
        59  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        28.1,  
        27.6,  
        25.3,  
        31.8,  
        30.8,  
        31.5,  
        22.6,  
        25.4  
    ]  
},  
{  
    "channelCfi": [  
        7,  
        23,  
        39,  
        55  
    ],  
    "globalOperatingClass": 133,
```

```
        "maxEirp": [
            30.6,
            28.3,
            33.8,
            25.6
        ]
    },
    {
        "channelCfi": [
            15,
            47
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
            31.3,
            28.6
        ]
    },
    {
        "channelCfi": [
            31
        ],
        "globalOperatingClass": 137,
        "maxEirp": [
            31.7
        ]
    }
],
"requestId": "WF062542W-50001",
"availabilityExpireTime": "2026-04-10T08:36:50Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2026-04-09T08:38:56Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF062542W-50001",
        "deviceDescriptor": {
          "serialNumber": "WF062542W-50001",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      },
      "ellipse": {
        "majorAxis": 30,
        "minorAxis": 19,
```

```
        "orientation": 90.0,
        "center": {
            "latitude": 43.83956,
            "longitude": -79.3818
        }
    },
    "inquiredFrequencyRange": [],
    "inquiredChannels": [
        {
            "globalOperatingClass": 131
        },
        {
            "globalOperatingClass": 132
        },
        {
            "globalOperatingClass": 133
        },
        {
            "globalOperatingClass": 134
        },
        {
            "globalOperatingClass": 137
        }
    ],
    "minDesiredPower": 0.0
}
]
```

```
##### 2026-04-09T08:38:56Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
```

```
"shortDescription": "SUCCESS"
},
"availableChannelInfo": [
  {
    "channelCfi": [
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      19.9,
      18.7,
      14.6,
      16.0,
      21.9,
      19.8,
      18.5,
      13.3,
      18.6,
      18.1,
      15.2,
      26.2,
      12.5,
```

```
        14.8,  
        10.4,  
        25.3  
    ]  
},  
{  
    "channelCfi": [  
        35,  
        43,  
        51,  
        59,  
        67,  
        75,  
        83,  
        91  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        21.7,  
        17.6,  
        22.8,  
        16.3,  
        21.1,  
        18.2,  
        15.5,  
        13.4  
    ]  
},  
{  
    "channelCfi": [  
        39,  
        55,  
        71,  
        87  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  

```

```
        20.6,
        19.3,
        21.2,
        16.4
    ]
},
{
    "channelCfi": [
        47,
        79
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        22.3,
        19.4
    ]
},
{
    "channelCfi": [
        63
    ],
    "globalOperatingClass": 137,
    "maxEirp": [
        22.5
    ]
}
],
"requestId": "WF062542W-50001",
"availabilityExpireTime": "2026-04-10T08:38:56Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

AFC capability - Inquired Channel**CT_AFC_SP_AP_AFCRSA31_Channel_20MHz_10618_1**

2026-04-07T06:40:47Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF062542W-50001",
        "deviceDescriptor": {
          "serialNumber": "WF062542W-50001",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      }
    }
  }
}
```

```
        "ellipse": {
            "majorAxis": 30,
            "minorAxis": 19,
            "orientation": 90.0,
            "center": {
                "latitude": 43.83956,
                "longitude": -79.3818
            }
        },
        "inquiredFrequencyRange": [],
        "inquiredChannels": [
            {
                "globalOperatingClass": 131
            },
            {
                "globalOperatingClass": 132
            },
            {
                "globalOperatingClass": 133
            },
            {
                "globalOperatingClass": 134
            },
            {
                "globalOperatingClass": 137
            }
        ],
        "minDesiredPower": 0.0
    }
]
```

2026-04-07T06:40:48Z

```
{
    "availableSpectrumInquiryResponses": [
```

```
{
  "response": {
    "responseCode": 0,
    "shortDescription": "SUCCESS"
  },
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        33,
        37,
        41,
        45,
        81,
        85,
        89,
        93,
        145,
        149,
        153,
        157
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        21.2,
        33.0,
        25.6,
        27.3,
        23.2,
        31.0,
        21.5,
        23.0,
        32.4,
        29.0,
```

```
        22.4,
        28.6,
        23.5,
        34.8,
        21.8,
        27.8
    ]
},
{
    "channelCfi": [
        3,
        11,
        35,
        43,
        83,
        91,
        147,
        155
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        24.2,
        28.6,
        26.2,
        24.5,
        32.0,
        25.4,
        26.5,
        24.8
    ]
},
{
    "channelCfi": [
        7,
        39,
        87,
        151
```

```
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        27.2,
        27.5,
        28.4,
        27.8
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 134,
    "maxEirp": []
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "WF062542W-50001",
"availabilityExpireTime": "2026-04-08T06:40:48Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

##### 2026-04-07T06:41:20Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
        "Accept-Encoding": "gzip,deflate",
        "X-Forwarded-For": "192.168.1.169",
```

```
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "659",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "WF062542W-50001",
      "deviceDescriptor": {
        "serialNumber": "WF062542W-50001",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "QXO-AP5022"
          }
        ]
      }
    }
  ],
  "location": {
    "indoorDeployment": 2,
    "elevation": {
      "height": 154.9,
      "heightType": "AMSL",
      "verticalUncertainty": 66
    },
    "ellipse": {
      "majorAxis": 30,
      "minorAxis": 19,
      "orientation": 90.0,
      "center": {
        "latitude": 43.83956,
        "longitude": -79.3818
      }
    }
  },
  "inquiredFrequencyRange": [],
```

```
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
    "globalOperatingClass": 134
  },
  {
    "globalOperatingClass": 137
  }
],
"minDesiredPower": 0.0
}
]
}
}

##### 2026-04-07T06:41:20Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
          "channelCfi": [
            1,
            5,
            9,
```

```
13,  
33,  
37,  
41,  
45,  
81,  
85,  
89,  
93,  
145,  
149,  
153,  
157  
],  
"globalOperatingClass": 131,  
"maxEirp": [  
21.2,  
33.0,  
25.6,  
27.3,  
23.2,  
31.0,  
21.5,  
23.0,  
32.4,  
29.0,  
22.4,  
28.6,  
23.5,  
34.8,  
21.8,  
27.8  
]  
},  
{  
"channelCfi": [  
3,
```

```
        11,  
        35,  
        43,  
        83,  
        91,  
        147,  
        155  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        24.2,  
        28.6,  
        26.2,  
        24.5,  
        32.0,  
        25.4,  
        26.5,  
        24.8  
    ]  
},  
{  
    "channelCfi": [  
        7,  
        39,  
        87,  
        151  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
        27.2,  
        27.5,  
        28.4,  
        27.8  
    ]  
},  
{  
    "channelCfi": [],
```

```
        "globalOperatingClass": 134,
        "maxEirp": []
    },
    {
        "channelCfi": [],
        "globalOperatingClass": 137,
        "maxEirp": []
    }
],
"requestId": "WF062542W-50001",
"availabilityExpireTime": "2026-04-08T06:41:20Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2026-04-07T06:45:24Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
        "Accept-Encoding": "gzip,deflate",
        "X-Forwarded-For": "192.168.1.169",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "659",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "WF062542W-50001",
                "deviceDescriptor": {
```

```
"serialNumber": "WF062542W-50001",
"certificationId": [
  {
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
    "id": "QXO-AP5022"
  }
],
"location": {
  "indoorDeployment": 2,
  "elevation": {
    "height": 154.9,
    "heightType": "AMSL",
    "verticalUncertainty": 66
  },
  "ellipse": {
    "majorAxis": 30,
    "minorAxis": 19,
    "orientation": 90.0,
    "center": {
      "latitude": 43.83956,
      "longitude": -79.3818
    }
  }
},
"inquiredFrequencyRange": [],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
```

```
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 137
      }
    ],
    "minDesiredPower": 0.0
  }
]
}
}
```

2026-04-07T06:45:24Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
          "channelCfi": [
            17,
            21,
            25,
            29,
            49,
            53,
            57,
            61,
            65,
            69,
            73,
            77,
            129,
            133,
```

```
        137,  
        141,  
        161,  
        165,  
        169,  
        173  
    ],  
    "globalOperatingClass": 131,  
    "maxEirp": [  
        25.7,  
        32.9,  
        35.0,  
        26.8,  
        21.0,  
        34.7,  
        28.8,  
        30.8,  
        27.0,  
        27.8,  
        26.8,  
        31.7,  
        31.3,  
        34.8,  
        32.7,  
        34.7,  
        25.1,  
        33.6,  
        34.9,  
        24.2  
    ]  
},  
{  
    "channelCfi": [  
        19,  
        27,  
        51,  
        59,
```

```
        67,  
        75,  
        131,  
        139,  
        163,  
        171  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        28.7,  
        29.8,  
        24.0,  
        31.8,  
        30.0,  
        29.8,  
        34.3,  
        35.7,  
        28.1,  
        27.2  
    ]  
},  
{  
    "channelCfi": [  
        23,  
        55,  
        71,  
        135,  
        167  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
        31.7,  
        27.0,  
        32.8,  
        36.0,  
        30.2  
    ]  
}
```

```
    },
    {
      "channelCfi": [],
      "globalOperatingClass": 134,
      "maxEirp": []
    },
    {
      "channelCfi": [],
      "globalOperatingClass": 137,
      "maxEirp": []
    }
  ],
  "requestId": "WF062542W-50001",
  "availabilityExpireTime": "2026-04-08T06:45:24Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

CT_AFC_SP_AP_AFCRSA31_Channel_40MHz_10619_1

2026-04-07T07:00:08Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF062542W-50001",
        "deviceDescriptor": {
          "serialNumber": "WF062542W-50001",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      }
    }
  }
}
```

```
        "ellipse": {
            "majorAxis": 30,
            "minorAxis": 19,
            "orientation": 90.0,
            "center": {
                "latitude": 43.83956,
                "longitude": -79.3818
            }
        },
        "inquiredFrequencyRange": [],
        "inquiredChannels": [
            {
                "globalOperatingClass": 131
            },
            {
                "globalOperatingClass": 132
            },
            {
                "globalOperatingClass": 133
            },
            {
                "globalOperatingClass": 134
            },
            {
                "globalOperatingClass": 137
            }
        ],
        "minDesiredPower": 0.0
    }
]
```

2026-04-07T07:00:08Z

```
{
    "availableSpectrumInquiryResponses": [
```

```
{
  "response": {
    "responseCode": 0,
    "shortDescription": "SUCCESS"
  },
  "availableFrequencyInfo": [],
  "availableChannelInfo": [],
  "requestId": "WF062542W-50001",
  "availabilityExpireTime": "2026-04-08T07:00:08Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
},
"version": "1.4"
}
```

2026-04-07T07:16:24Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF062542W-50001",
        "deviceDescriptor": {
          "serialNumber": "WF062542W-50001",
          "certificationId": [

```

```
{
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
  "id": "QXO-AP5022"
}
],
"location": {
  "indoorDeployment": 2,
  "elevation": {
    "height": 154.9,
    "heightType": "AMSL",
    "verticalUncertainty": 66
  },
  "ellipse": {
    "majorAxis": 30,
    "minorAxis": 19,
    "orientation": 90.0,
    "center": {
      "latitude": 43.83956,
      "longitude": -79.3818
    }
  }
},
"inquiredFrequencyRange": [],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
    "globalOperatingClass": 134
  },
]
```

```
{
    "globalOperatingClass": 137
}
],
"minDesiredPower": 0.0
}
]
}
}
```

2026-04-07T07:16:24Z

```
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [],
            "availableChannelInfo": [],
            "requestId": "WF062542W-50001",
            "availabilityExpireTime": "2026-04-08T07:16:24Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

2026-04-07T07:28:11Z

```
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
        "Accept-Encoding": "gzip,deflate",
        "X-Forwarded-For": "192.168.1.169",
    }
}
```

```
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "659",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "WF062542W-50001",
      "deviceDescriptor": {
        "serialNumber": "WF062542W-50001",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "QXO-AP5022"
          }
        ]
      }
    }
  ],
  "location": {
    "indoorDeployment": 2,
    "elevation": {
      "height": 154.9,
      "heightType": "AMSL",
      "verticalUncertainty": 66
    },
    "ellipse": {
      "majorAxis": 30,
      "minorAxis": 19,
      "orientation": 90.0,
      "center": {
        "latitude": 43.83956,
        "longitude": -79.3818
      }
    }
  },
  "inquiredFrequencyRange": [],
```

```
"inquiredChannels": [  
  {  
    "globalOperatingClass": 131  
  },  
  {  
    "globalOperatingClass": 132  
  },  
  {  
    "globalOperatingClass": 133  
  },  
  {  
    "globalOperatingClass": 134  
  },  
  {  
    "globalOperatingClass": 137  
  }  
],  
"minDesiredPower": 0.0  
}  
]  
}  
}  
}  
  
##### 2026-04-07T07:28:11Z #####  
{  
  "availableSpectrumInquiryResponses": [  
    {  
      "response": {  
        "responseCode": 0,  
        "shortDescription": "SUCCESS"  
      },  
      "availableChannelInfo": [  
        {  
          "channelCfi": [  
            1,  
            5,  
            9,  

```

```
13,  
49,  
53,  
57,  
61,  
65,  
69,  
73,  
77,  
81,  
85,  
89,  
93  
],  
"globalOperatingClass": 131,  
"maxEirp": [  
31.8,  
28.0,  
30.7,  
23.0,  
21.8,  
34.2,  
33.0,  
31.9,  
26.2,  
33.9,  
30.3,  
22.6,  
33.7,  
24.2,  
31.2,  
29.5  
]  
},  
{  
"channelCfi": [  
3,
```

```
        11,  
        51,  
        59,  
        67,  
        75,  
        83,  
        91  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        31.0,  
        26.0,  
        24.8,  
        34.9,  
        29.2,  
        25.6,  
        27.2,  
        32.5  
    ]  
},  
{  
    "channelCfi": [  
        7,  
        55,  
        71,  
        87  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
        29.0,  
        27.8,  
        28.6,  
        30.2  
    ]  
},  
{  
    "channelCfi": [  

```

```

    79
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        31.6
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "WF062542W-50001",
"availabilityExpireTime": "2026-04-08T07:28:11Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

##### 2026-04-07T07:31:55Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
        "Accept-Encoding": "gzip,deflate",
        "X-Forwarded-For": "192.168.1.169",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "659",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",

```

```
"availableSpectrumInquiryRequests": [
  {
    "requestId": "WF062542W-50001",
    "deviceDescriptor": {
      "serialNumber": "WF062542W-50001",
      "certificationId": [
        {
          "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
          "id": "QXO-AP5022"
        }
      ]
    },
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      },
      "ellipse": {
        "majorAxis": 30,
        "minorAxis": 19,
        "orientation": 90.0,
        "center": {
          "latitude": 43.83956,
          "longitude": -79.3818
        }
      }
    },
    "inquiredFrequencyRange": [],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      }
    ]
  }
]
```

```
{
    "globalOperatingClass": 133
},
{
    "globalOperatingClass": 134
},
{
    "globalOperatingClass": 137
}
],
"minDesiredPower": 0.0
}
]
}
}
```

2026-04-07T07:31:55Z

```
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        17,
                        21,
                        25,
                        29,
                        33,
                        37,
                        41,
                        45,
                        129,
                        133,
```

```
        137,  
        141,  
        145,  
        149,  
        153,  
        157,  
        161,  
        165,  
        169,  
        173  
    ],  
    "globalOperatingClass": 131,  
    "maxEirp": [  
        23.8,  
        23.1,  
        31.0,  
        31.8,  
        32.3,  
        23.4,  
        30.6,  
        34.1,  
        26.5,  
        24.7,  
        32.7,  
        22.9,  
        31.3,  
        21.0,  
        28.9,  
        29.2,  
        22.5,  
        27.3,  
        27.4,  
        31.5  
    ]  
},  
{  
    "channelCfi": [  

```

```
        19,
        27,
        35,
        43,
        131,
        139,
        147,
        155,
        163,
        171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        26.1,
        34.0,
        26.4,
        33.6,
        27.7,
        25.9,
        24.0,
        31.9,
        25.5,
        30.4
    ]
},
{
    "channelCfi": [
        23,
        39,
        135,
        151,
        167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        29.1,
        29.4,
```

```
        28.9,
        27.0,
        28.5
    ]
},
{
    "channelCfi": [
        143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        30.0
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "WF062542W-50001",
"availabilityExpireTime": "2026-04-08T07:31:55Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

CT_AFC_SP_AP_AFCRSA31_Channel_80MHz_10620_1

2026-04-07T09:25:05Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF062542W-50001",
        "deviceDescriptor": {
          "serialNumber": "WF062542W-50001",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      }
    }
  }
}
```

```
"ellipse": {
  "majorAxis": 30,
  "minorAxis": 19,
  "orientation": 90.0,
  "center": {
    "latitude": 43.83956,
    "longitude": -79.3818
  }
},
"inquiredFrequencyRange": [],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
    "globalOperatingClass": 134
  },
  {
    "globalOperatingClass": 137
  }
],
"minDesiredPower": 0.0
}
]
```

2026-04-07T09:25:05Z

```
{
  "availableSpectrumInquiryResponses": [
```

```
{
  "response": {
    "responseCode": 0,
    "shortDescription": "SUCCESS"
  },
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        33,
        37,
        41,
        45,
        65,
        69,
        73,
        77,
        161,
        165,
        169,
        173
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        29.5,
        23.1,
        28.8,
        26.7,
        31.9,
        28.7,
        22.1,
        21.7,
        31.2,
        31.1,
```

```
        24.6,  
        21.6,  
        23.0,  
        33.0,  
        28.7,  
        32.7  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        35,  
        43,  
        67,  
        75,  
        163,  
        171  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        26.1,  
        29.7,  
        31.7,  
        24.7,  
        34.1,  
        24.6,  
        26.0,  
        31.7  
    ]  
},  
{  
    "channelCfi": [  
        7,  
        39,  
        71,  
        167
```

```
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        29.1,
        27.7,
        27.6,
        29.0
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 134,
    "maxEirp": []
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "WF062542W-50001",
"availabilityExpireTime": "2026-04-08T09:25:05Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

##### 2026-04-07T09:53:14Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
        "Accept-Encoding": "gzip,deflate",
        "X-Forwarded-For": "192.168.1.169",
```

```
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "659",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "WF062542W-50001",
      "deviceDescriptor": {
        "serialNumber": "WF062542W-50001",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "QXO-AP5022"
          }
        ]
      }
    }
  ],
  "location": {
    "indoorDeployment": 2,
    "elevation": {
      "height": 154.9,
      "heightType": "AMSL",
      "verticalUncertainty": 66
    },
    "ellipse": {
      "majorAxis": 30,
      "minorAxis": 19,
      "orientation": 90.0,
      "center": {
        "latitude": 43.83956,
        "longitude": -79.3818
      }
    }
  },
  "inquiredFrequencyRange": [],
```

```
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
    "globalOperatingClass": 134
  },
  {
    "globalOperatingClass": 137
  }
],
"minDesiredPower": 0.0
}
]
}
}

##### 2026-04-07T09:53:14Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
          "channelCfi": [
            17,
            21,
            25,
```

```
29,  
49,  
53,  
57,  
61,  
81,  
85,  
89,  
93,  
129,  
133,  
137,  
141,  
145,  
149,  
153,  
157  
],  
"globalOperatingClass": 131,  
"maxEirp": [  
33.5,  
26.7,  
21.8,  
33.6,  
28.7,  
21.2,  
26.9,  
22.0,  
30.5,  
29.0,  
27.6,  
24.1,  
26.8,  
25.2,  
24.7,  
28.2,  
28.1,
```

```
        24.7,  
        28.8,  
        24.6  
    ]  
},  
{  
    "channelCfi": [  
        19,  
        27,  
        51,  
        59,  
        83,  
        91,  
        131,  
        139,  
        147,  
        155  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        29.7,  
        24.8,  
        24.2,  
        25.0,  
        32.0,  
        27.1,  
        28.2,  
        27.7,  
        27.7,  
        27.6  
    ]  
},  
{  
    "channelCfi": [  
        23,  
        55,  
        87,
```

```
        135,
        151
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        27.8,
        27.2,
        30.1,
        30.7,
        30.6
    ]
},
{
    "channelCfi": [
        143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        33.6
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "WF062542W-50001",
"availabilityExpireTime": "2026-04-08T09:53:14Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

CT_AFC_SP_AP_AFCRSA31_Channel_160MHz_10621_1

2026-04-07T09:01:55Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF062542W-50001",
        "deviceDescriptor": {
          "serialNumber": "WF062542W-50001",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      }
    }
  }
}
```

```
"ellipse": {
  "majorAxis": 30,
  "minorAxis": 19,
  "orientation": 90.0,
  "center": {
    "latitude": 43.83956,
    "longitude": -79.3818
  }
},
"inquiredFrequencyRange": [],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
    "globalOperatingClass": 134
  },
  {
    "globalOperatingClass": 137
  }
],
"minDesiredPower": 0.0
}
]
```

```
##### 2026-04-07T09:01:55Z #####
```

```
{
  "availableSpectrumInquiryResponses": [
```

```
{
  "response": {
    "responseCode": 0,
    "shortDescription": "SUCCESS"
  },
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        34.7,
        23.0,
        29.0,
        34.2,
        29.1,
        22.9,
        23.0,
        27.9,
        21.9,
        26.2,
```

```
        34.7,  
        34.0,  
        31.2,  
        31.6,  
        25.4,  
        21.7  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        19,  
        27,  
        67,  
        75,  
        83,  
        91  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        26.0,  
        32.0,  
        25.9,  
        26.0,  
        24.9,  
        36.0,  
        34.2,  
        24.7  
    ]  
},  
{  
    "channelCfi": [  
        7,  
        23,  
        71,  
        87
```

```
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        29.0,
        28.9,
        27.9,
        27.7
    ]
},
{
    "channelCfi": [
        15,
        79
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        31.9,
        30.7
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "WF062542W-50001",
"availabilityExpireTime": "2026-04-08T09:01:55Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2026-04-07T09:06:19Z #####
```

```
{
    "headers": {
```

```
"Host": "testserver.wfatestorg.org",
"Accept": "application/json",
"Content-Type": "application/json",
"User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
"Accept-Encoding": "gzip,deflate",
"X-Forwarded-For": "192.168.1.169",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "659",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "WF062542W-50001",
      "deviceDescriptor": {
        "serialNumber": "WF062542W-50001",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "QXO-AP5022"
          }
        ]
      }
    }
  ],
  "location": {
    "indoorDeployment": 2,
    "elevation": {
      "height": 154.9,
      "heightType": "AMSL",
      "verticalUncertainty": 66
    }
  },
  "ellipse": {
    "majorAxis": 30,
    "minorAxis": 19,
    "orientation": 90.0,
    "center": {
```

```
        "latitude": 43.83956,
        "longitude": -79.3818
    }
}
},
"inquiredFrequencyRange": [],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 137
    }
],
"minDesiredPower": 0.0
}
]
}
}

##### 2026-04-07T09:06:19Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },

```

```
"availableChannelInfo": [  
  {  
    "channelCfi": [  
      33,  
      37,  
      41,  
      45,  
      49,  
      53,  
      57,  
      61,  
      129,  
      133,  
      137,  
      141,  
      145,  
      149,  
      153,  
      157  
    ],  
    "globalOperatingClass": 131,  
    "maxEirp": [  
      25.1,  
      24.7,  
      32.9,  
      27.5,  
      28.9,  
      26.0,  
      21.7,  
      27.6,  
      34.5,  
      27.2,  
      32.2,  
      28.9,  
      32.3,  
      25.9,  
      28.8,  
    ]  
  }  
]
```

```
34.9
]
},
{
  "channelCfi": [
    35,
    43,
    51,
    59,
    131,
    139,
    147,
    155
  ],
  "globalOperatingClass": 132,
  "maxEirp": [
    27.7,
    30.5,
    29.0,
    24.7,
    30.2,
    31.9,
    28.9,
    31.8
  ]
},
{
  "channelCfi": [
    39,
    55,
    135,
    151
  ],
  "globalOperatingClass": 133,
  "maxEirp": [
    30.7,
    27.7,
```

```
        33.2,
        31.9
    ]
},
{
    "channelCfi": [
        47,
        143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        30.7,
        34.9
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "WF062542W-50001",
"availabilityExpireTime": "2026-04-08T09:06:19Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

CT_AFC_SP_AP_AFCDUSA32_Channel_10622_1

2026-04-09T06:20:08Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF062542W-50001",
        "deviceDescriptor": {
          "serialNumber": "WF062542W-50001",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      },
      "ellipse": {
```

```
        "majorAxis": 30,
        "minorAxis": 19,
        "orientation": 90.0,
        "center": {
            "latitude": 43.83956,
            "longitude": -79.3818
        }
    },
    "inquiredFrequencyRange": [],
    "inquiredChannels": [
        {
            "globalOperatingClass": 131
        },
        {
            "globalOperatingClass": 132
        },
        {
            "globalOperatingClass": 133
        },
        {
            "globalOperatingClass": 134
        },
        {
            "globalOperatingClass": 137
        }
    ],
    "minDesiredPower": 0.0
}

]

}

}

##### 2026-04-09T06:20:09Z #####
{
    "availableSpectrumInquiryResponses": [
        {
```

```
"response": {
  "responseCode": 0,
  "shortDescription": "SUCCESS"
},
"availableChannelInfo": [],
"requestId": "WF062542W-50001",
"availabilityExpireTime": "2026-04-10T06:20:09Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2026-04-09T06:22:53Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF062542W-50001",
        "deviceDescriptor": {
          "serialNumber": "WF062542W-50001",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",

```

```
        "id": "QXO-AP5022"
      }
    ]
  },
  "location": {
    "indoorDeployment": 2,
    "elevation": {
      "height": 154.9,
      "heightType": "AMSL",
      "verticalUncertainty": 66
    },
    "ellipse": {
      "majorAxis": 30,
      "minorAxis": 19,
      "orientation": 90.0,
      "center": {
        "latitude": 43.83956,
        "longitude": -79.3818
      }
    }
  },
  "inquiredFrequencyRange": [],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    },
    {
      "globalOperatingClass": 132
    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    },
    {
      "globalOperatingClass": 137
    }
  ]
}
```

```
        }
      ],
      "minDesiredPower": 0.0
    }
  ]
}
}
```

2026-04-09T06:22:53Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [],
      "requestId": "WF062542W-50001",
      "availabilityExpireTime": "2026-04-10T06:22:53Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}
```

CT_AFC_SP_AP_AFCDSAU33_Channel_10623_1

2026-04-09T06:29:51Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF062542W-50001",
        "deviceDescriptor": {
          "serialNumber": "WF062542W-50001",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      },
      "ellipse": {
```

```
        "majorAxis": 30,
        "minorAxis": 19,
        "orientation": 90.0,
        "center": {
            "latitude": 43.83956,
            "longitude": -79.3818
        }
    },
    "inquiredFrequencyRange": [],
    "inquiredChannels": [
        {
            "globalOperatingClass": 131
        },
        {
            "globalOperatingClass": 132
        },
        {
            "globalOperatingClass": 133
        },
        {
            "globalOperatingClass": 134
        },
        {
            "globalOperatingClass": 137
        }
    ],
    "minDesiredPower": 0.0
}
]
```

2026-04-09T06:29:51Z

```
{
    "availableSpectrumInquiryResponses": [
        {
```

```
"response": {
  "responseCode": 0,
  "shortDescription": "SUCCESS"
},
"availableChannelInfo": [
  {
    "channelCfi": [
      17,
      21,
      25,
      29,
      49,
      53,
      57,
      61,
      81,
      85,
      89,
      93,
      161,
      165,
      169,
      173
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      22.3,
      24.4,
      23.9,
      28.0,
      34.1,
      31.8,
      30.3,
      27.3,
      24.8,
      34.9,
      21.9,
```

```
        21.1,  
        34.0,  
        21.3,  
        26.2,  
        30.8  
    ]  
},  
{  
    "channelCfi": [  
        19,  
        27,  
        51,  
        59,  
        83,  
        91,  
        163,  
        171  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        25.3,  
        26.9,  
        34.8,  
        30.3,  
        27.8,  
        24.1,  
        24.3,  
        29.2  
    ]  
},  
{  
    "channelCfi": [  
        23,  
        55,  
        87,  
        167  
    ],  
}
```

```
        "globalOperatingClass": 133,
        "maxEirp": [
            28.3,
            33.3,
            27.1,
            27.3
        ]
    },
    {
        "channelCfi": [],
        "globalOperatingClass": 134,
        "maxEirp": []
    },
    {
        "channelCfi": [],
        "globalOperatingClass": 137,
        "maxEirp": []
    }
],
"requestId": "WF062542W-50001",
"availabilityExpireTime": "2026-04-10T06:29:51Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2026-04-09T06:30:41Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
```

```
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "659",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "WF062542W-50001",
      "deviceDescriptor": {
        "serialNumber": "WF062542W-50001",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "QXO-AP5022"
          }
        ]
      }
    }
  ],
  "location": {
    "indoorDeployment": 2,
    "elevation": {
      "height": 154.9,
      "heightType": "AMSL",
      "verticalUncertainty": 66
    },
    "ellipse": {
      "majorAxis": 30,
      "minorAxis": 19,
      "orientation": 90.0,
      "center": {
        "latitude": 43.83956,
        "longitude": -79.3818
      }
    }
  },
  "inquiredFrequencyRange": [],
  "inquiredChannels": [
```

```
{
    "globalOperatingClass": 131
},
{
    "globalOperatingClass": 132
},
{
    "globalOperatingClass": 133
},
{
    "globalOperatingClass": 134
},
{
    "globalOperatingClass": 137
}
],
"minDesiredPower": 0.0
}
]
}
}
```

2026-04-09T06:30:41Z

```
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        17,
                        21,
                        25,
                        29,
```

```
49,
53,
57,
61,
81,
85,
89,
93,
161,
165,
169,
173
],
"globalOperatingClass": 131,
"maxEirp": [
22.3,
24.4,
23.9,
28.0,
34.1,
31.8,
30.3,
27.3,
24.8,
34.9,
21.9,
21.1,
34.0,
21.3,
26.2,
30.8
]
},
{
"channelCfi": [
19,
27,
```

```
        51,  
        59,  
        83,  
        91,  
        163,  
        171  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        25.3,  
        26.9,  
        34.8,  
        30.3,  
        27.8,  
        24.1,  
        24.3,  
        29.2  
    ]  
},  
{  
    "channelCfi": [  
        23,  
        55,  
        87,  
        167  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
        28.3,  
        33.3,  
        27.1,  
        27.3  
    ]  
},  
{  
    "channelCfi": [],  
    "globalOperatingClass": 134,
```

```
        "maxEirp": [],
      },
      {
        "channelCfi": [],
        "globalOperatingClass": 137,
        "maxEirp": []
      }
    ],
    "requestId": "WF062542W-50001",
    "availabilityExpireTime": "2026-04-10T06:30:41Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}
```

CT_AFC_SP_AP_AFCDUAU34_Channel_10624_1

2026-04-09T06:45:05Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF062542W-50001",
        "deviceDescriptor": {
          "serialNumber": "WF062542W-50001",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      }
    }
  }
}
```

```
"ellipse": {
  "majorAxis": 30,
  "minorAxis": 19,
  "orientation": 90.0,
  "center": {
    "latitude": 43.83956,
    "longitude": -79.3818
  }
},
"inquiredFrequencyRange": [],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
    "globalOperatingClass": 134
  },
  {
    "globalOperatingClass": 137
  }
],
"minDesiredPower": 0.0
}
]
```

2026-04-09T06:45:06Z

```
{
  "availableSpectrumInquiryResponses": [
```

```
{
  "response": {
    "responseCode": 0,
    "shortDescription": "SUCCESS"
  },
  "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,
```

[illegible]

```
        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": [  
        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  
    ]  
}  
],  
"requestId": "WF062542W-50001",  
"availabilityExpireTime": "2026-04-10T06:45:06Z",
```

```
        "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
},
"version": "1.4"
}
```

2026-04-09T06:45:20Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF062542W-50001",
        "deviceDescriptor": {
          "serialNumber": "WF062542W-50001",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
```

```
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
    },
    "ellipse": {
        "majorAxis": 30,
        "minorAxis": 19,
        "orientation": 90.0,
        "center": {
            "latitude": 43.83956,
            "longitude": -79.3818
        }
    }
},
"inquiredFrequencyRange": [],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 137
    }
],
"minDesiredPower": 0.0
}
]
}
}
```



2026-04-09T06:45:20Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "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,
```



```

        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": [
        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,  
      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  
    ]  
}
```

```
    }  
  ],  
  "requestId": "WF062542W-50001",  
  "availabilityExpireTime": "2026-04-10T06:45:20Z",  
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```

CT_AFC_SP_AP_AFCRSA31_Channel_320MHz_10714_1

2026-04-09T03:36:30Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF062542W-50001",
        "deviceDescriptor": {
          "serialNumber": "WF062542W-50001",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      },
      "ellipse": {
```

```
        "majorAxis": 30,
        "minorAxis": 19,
        "orientation": 90.0,
        "center": {
            "latitude": 43.83956,
            "longitude": -79.3818
        }
    },
    "inquiredFrequencyRange": [],
    "inquiredChannels": [
        {
            "globalOperatingClass": 131
        },
        {
            "globalOperatingClass": 132
        },
        {
            "globalOperatingClass": 133
        },
        {
            "globalOperatingClass": 134
        },
        {
            "globalOperatingClass": 137
        }
    ],
    "minDesiredPower": 0.0
}
]
```

2026-04-09T03:36:30Z

```
{
    "availableSpectrumInquiryResponses": [
        {
```

```
"response": {
  "responseCode": 0,
  "shortDescription": "SUCCESS"
},
"availableChannelInfo": [
  {
    "channelCfi": [
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      19.9,
      24.9,
      33.9,
      28.3,
      27.9,
      28.9,
      23.2,
      19.9,
      25.5,
      23.5,
      32.2,
```

```
        21.1,  
        27.1,  
        25.7,  
        35.0,  
        22.6  
    ]  
},  
{  
    "channelCfi": [  
        35,  
        43,  
        51,  
        59,  
        67,  
        75,  
        83,  
        91  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        22.9,  
        31.3,  
        30.9,  
        22.9,  
        26.5,  
        24.1,  
        28.7,  
        25.6  
    ]  
},  
{  
    "channelCfi": [  
        39,  
        55,  
        71,  
        87  
    ],  
}
```

```
"globalOperatingClass": 133,
  "maxEirp": [
    25.9,
    25.9,
    27.1,
    28.6
  ]
},
{
  "channelCfi": [
    47,
    79
  ],
  "globalOperatingClass": 134,
  "maxEirp": [
    28.9,
    30.1
  ]
},
{
  "channelCfi": [
    63
  ],
  "globalOperatingClass": 137,
  "maxEirp": [
    32.0
  ]
}
],
"requestId": "WF062542W-50001",
"availabilityExpireTime": "2026-04-10T03:36:30Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2026-04-09T03:37:30Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF062542W-50001",
        "deviceDescriptor": {
          "serialNumber": "WF062542W-50001",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      },
      "ellipse": {
        "majorAxis": 30,
```

```
        "minorAxis": 19,
        "orientation": 90.0,
        "center": {
            "latitude": 43.83956,
            "longitude": -79.3818
        }
    },
    "inquiredFrequencyRange": [],
    "inquiredChannels": [
        {
            "globalOperatingClass": 131
        },
        {
            "globalOperatingClass": 132
        },
        {
            "globalOperatingClass": 133
        },
        {
            "globalOperatingClass": 134
        },
        {
            "globalOperatingClass": 137
        }
    ],
    "minDesiredPower": 0.0
}
]
```

```
##### 2026-04-09T03:37:30Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
```

```
"responseCode": 0,
"shortDescription": "SUCCESS"
},
"availableChannelInfo": [
  {
    "channelCfi": [
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      19.9,
      24.9,
      33.9,
      28.3,
      27.9,
      28.9,
      23.2,
      19.9,
      25.5,
      23.5,
      32.2,
      21.1,
```

```
        27.1,
        25.7,
        35.0,
        22.6
    ]
},
{
    "channelCfi": [
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        22.9,
        31.3,
        30.9,
        22.9,
        26.5,
        24.1,
        28.7,
        25.6
    ]
},
{
    "channelCfi": [
        39,
        55,
        71,
        87
    ],
    "globalOperatingClass": 133,
```

```
        "maxEirp": [
            25.9,
            25.9,
            27.1,
            28.6
        ]
    },
    {
        "channelCfi": [
            47,
            79
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
            28.9,
            30.1
        ]
    },
    {
        "channelCfi": [
            63
        ],
        "globalOperatingClass": 137,
        "maxEirp": [
            32.0
        ]
    }
],
"requestId": "WF062542W-50001",
"availabilityExpireTime": "2026-04-10T03:37:30Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2026-04-09T03:38:52Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF062542W-50001",
        "deviceDescriptor": {
          "serialNumber": "WF062542W-50001",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      },
      "ellipse": {
        "majorAxis": 30,
        "minorAxis": 19,
```

```
        "orientation": 90.0,
        "center": {
            "latitude": 43.83956,
            "longitude": -79.3818
        }
    },
    "inquiredFrequencyRange": [],
    "inquiredChannels": [
        {
            "globalOperatingClass": 131
        },
        {
            "globalOperatingClass": 132
        },
        {
            "globalOperatingClass": 133
        },
        {
            "globalOperatingClass": 134
        },
        {
            "globalOperatingClass": 137
        }
    ],
    "minDesiredPower": 0.0
}

]

}

}

##### 2026-04-09T03:38:53Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
```

```
"shortDescription": "SUCCESS"
},
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      9.4,
      14.7,
      24.6,
      12.5,
      10.8,
      9.2,
      23.4,
      23.2,
      21.9,
      14.0,
      13.7,
      17.5,
      11.4,
```

```
        18.4,  
        22.4,  
        16.4  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        19,  
        27,  
        35,  
        43,  
        51,  
        59  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        12.4,  
        15.5,  
        12.2,  
        26.2,  
        17.0,  
        16.7,  
        14.4,  
        19.4  
    ]  
},  
{  
    "channelCfi": [  
        7,  
        23,  
        39,  
        55  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  

```

```
        15.4,
        15.2,
        19.7,
        17.4
    ]
},
{
    "channelCfi": [
        15,
        47
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        18.2,
        20.4
    ]
},
{
    "channelCfi": [
        31
    ],
    "globalOperatingClass": 137,
    "maxEirp": [
        21.3
    ]
}
],
"requestId": "WF062542W-50001",
"availabilityExpireTime": "2026-04-10T03:38:53Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

AFC capability - Inquired Channel**CT_AFC_SP_AP_AFCRSA31_Channel_20MHz_10618_1**

2026-04-07T03:32:17Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF072542W-50041",
        "deviceDescriptor": {
          "serialNumber": "WF072542W-50041",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      }
    }
  }
}
```

```
"ellipse": {
  "majorAxis": 30,
  "minorAxis": 19,
  "orientation": 90.0,
  "center": {
    "latitude": 43.83956,
    "longitude": -79.3818
  }
},
"inquiredFrequencyRange": [],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
    "globalOperatingClass": 134
  },
  {
    "globalOperatingClass": 137
  }
],
"minDesiredPower": 0.0
}
]
```

```
##### 2026-04-07T03:32:17Z #####
```

```
{
  "availableSpectrumInquiryResponses": [
```

```
{
  "response": {
    "responseCode": 0,
    "shortDescription": "SUCCESS"
  },
  "availableChannelInfo": [
    {
      "channelCfi": [
        33,
        37,
        41,
        45,
        81,
        85,
        89,
        93,
        129,
        133,
        137,
        141,
        161,
        165,
        169,
        173
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        32.7,
        22.5,
        26.1,
        22.2,
        33.0,
        31.7,
        24.5,
        34.6,
        29.5,
        27.2,
```

```
        22.4,  
        24.2,  
        21.0,  
        29.0,  
        27.6,  
        33.6  
    ]  
},  
{  
    "channelCfi": [  
        35,  
        43,  
        83,  
        91,  
        131,  
        139,  
        163,  
        171  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        25.5,  
        25.2,  
        34.7,  
        27.5,  
        30.2,  
        25.4,  
        24.0,  
        30.6  
    ]  
},  
{  
    "channelCfi": [  
        39,  
        87,  
        135,  
        167
```

```
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        28.2,
        30.5,
        28.4,
        27.0
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 134,
    "maxEirp": []
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "WF072542W-50041",
"availabilityExpireTime": "2026-04-08T03:32:17Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

##### 2026-04-07T03:37:31Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
        "Accept-Encoding": "gzip,deflate",
        "X-Forwarded-For": "192.168.1.169",
```

```
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "659",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "WF072542W-50041",
      "deviceDescriptor": {
        "serialNumber": "WF072542W-50041",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "QXO-AP5022"
          }
        ]
      }
    }
  ],
  "location": {
    "indoorDeployment": 2,
    "elevation": {
      "height": 154.9,
      "heightType": "AMSL",
      "verticalUncertainty": 66
    },
    "ellipse": {
      "majorAxis": 30,
      "minorAxis": 19,
      "orientation": 90.0,
      "center": {
        "latitude": 43.83956,
        "longitude": -79.3818
      }
    }
  },
  "inquiredFrequencyRange": [],
```

```
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
    "globalOperatingClass": 134
  },
  {
    "globalOperatingClass": 137
  }
],
"minDesiredPower": 0.0
}
]
}
}

##### 2026-04-07T03:37:31Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
          "channelCfi": [
            1,
            5,
            9,
```

```
13,  
17,  
21,  
25,  
29,  
49,  
53,  
57,  
61,  
65,  
69,  
73,  
77,  
145,  
149,  
153,  
157  
],  
"globalOperatingClass": 131,  
"maxEirp": [  
30.3,  
29.9,  
29.0,  
30.2,  
27.6,  
26.9,  
24.4,  
30.1,  
26.0,  
30.3,  
22.1,  
24.8,  
22.6,  
27.8,  
35.0,  
28.4,  
28.8,
```

```
        32.2,  
        34.7,  
        25.6  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        19,  
        27,  
        51,  
        59,  
        67,  
        75,  
        147,  
        155  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        32.9,  
        32.0,  
        29.9,  
        27.4,  
        29.0,  
        25.1,  
        25.6,  
        31.4,  
        31.8,  
        28.6  
    ]  
},  
{  
    "channelCfi": [  
        7,  
        23,  
        55,
```

```
        71,  
        151  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
        35.0,  
        30.4,  
        28.1,  
        28.6,  
        31.6  
    ]  
},  
{  
    "channelCfi": [  
        15  
    ],  
    "globalOperatingClass": 134,  
    "maxEirp": [  
        33.4  
    ]  
},  
{  
    "channelCfi": [],  
    "globalOperatingClass": 137,  
    "maxEirp": []  
}  
],  
"requestId": "WF072542W-50041",  
"availabilityExpireTime": "2026-04-08T03:37:31Z",  
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```

CT_AFC_SP_AP_AFCDSA31_Channel_320MHz_10714_1

2026-04-07T03:43:33Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF072542W-50041",
        "deviceDescriptor": {
          "serialNumber": "WF072542W-50041",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      },
      "ellipse": {
```

```
        "majorAxis": 30,
        "minorAxis": 19,
        "orientation": 90.0,
        "center": {
            "latitude": 43.83956,
            "longitude": -79.3818
        }
    },
    "inquiredFrequencyRange": [],
    "inquiredChannels": [
        {
            "globalOperatingClass": 131
        },
        {
            "globalOperatingClass": 132
        },
        {
            "globalOperatingClass": 133
        },
        {
            "globalOperatingClass": 134
        },
        {
            "globalOperatingClass": 137
        }
    ],
    "minDesiredPower": 0.0
}
]
```

2026-04-07T03:43:34Z

```
{
    "availableSpectrumInquiryResponses": [
        {
```

```
"response": {
  "responseCode": 0,
  "shortDescription": "SUCCESS"
},
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      30.6,
      37.1,
      28.7,
      26.6,
      27.4,
      30.8,
      32.5,
      19.1,
      37.7,
      27.2,
      32.7,
```

```
        36.8,  
        26.4,  
        26.5,  
        22.4,  
        23.5  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        19,  
        27,  
        35,  
        43,  
        51,  
        59  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        33.6,  
        29.6,  
        30.4,  
        22.1,  
        30.2,  
        35.7,  
        29.4,  
        25.4  
    ]  
},  
{  
    "channelCfi": [  
        7,  
        23,  
        39,  
        55  
    ],
```

```
"globalOperatingClass": 133,
  "maxEirp": [
    32.6,
    25.1,
    33.2,
    28.4
  ]
},
{
  "channelCfi": [
    15,
    47
  ],
  "globalOperatingClass": 134,
  "maxEirp": [
    28.1,
    31.4
  ]
},
{
  "channelCfi": [
    31
  ],
  "globalOperatingClass": 137,
  "maxEirp": [
    31.2
  ]
}
],
"requestId": "WF072542W-50041",
"availabilityExpireTime": "2026-04-08T03:43:34Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2026-04-07T03:50:36Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF072542W-50041",
        "deviceDescriptor": {
          "serialNumber": "WF072542W-50041",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      },
      "ellipse": {
        "majorAxis": 30,
```

```
        "minorAxis": 19,
        "orientation": 90.0,
        "center": {
            "latitude": 43.83956,
            "longitude": -79.3818
        }
    },
    "inquiredFrequencyRange": [],
    "inquiredChannels": [
        {
            "globalOperatingClass": 131
        },
        {
            "globalOperatingClass": 132
        },
        {
            "globalOperatingClass": 133
        },
        {
            "globalOperatingClass": 134
        },
        {
            "globalOperatingClass": 137
        }
    ],
    "minDesiredPower": 0.0
}
]
```

```
##### 2026-04-07T03:50:36Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
```

```
"responseCode": 0,
"shortDescription": "SUCCESS"
},
"availableChannelInfo": [
  {
    "channelCfi": [
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      16.8,
      10.3,
      12.8,
      26.2,
      17.7,
      17.7,
      15.3,
      13.0,
      17.8,
      11.6,
      22.0,
      16.1,
```

```
        16.5,  
        18.9,  
        16.9,  
        10.5  
    ]  
},  
{  
    "channelCfi": [  
        35,  
        43,  
        51,  
        67,  
        75,  
        83,  
        91  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        13.3,  
        15.8,  
        20.7,  
        14.6,  
        19.1,  
        19.5,  
        13.5  
    ]  
},  
{  
    "channelCfi": [  
        39,  
        71,  
        87  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
        16.3,  
        17.6,
```

```
        16.5
      ]
    },
    {
      "channelCfi": [
        47,
        79
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        19.3,
        19.5
      ]
    },
    {
      "channelCfi": [
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        22.4
      ]
    }
  ],
  "requestId": "WF072542W-50041",
  "availabilityExpireTime": "2026-04-08T03:50:36Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2026-04-07T03:51:34Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
```

```
"Content-Type": "application/json",
"User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
"Accept-Encoding": "gzip,deflate",
"X-Forwarded-For": "192.168.1.169",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "659",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "WF072542W-50041",
      "deviceDescriptor": {
        "serialNumber": "WF072542W-50041",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "QXO-AP5022"
          }
        ]
      }
    }
  ],
  "location": {
    "indoorDeployment": 2,
    "elevation": {
      "height": 154.9,
      "heightType": "AMSL",
      "verticalUncertainty": 66
    },
    "ellipse": {
      "majorAxis": 30,
      "minorAxis": 19,
      "orientation": 90.0,
      "center": {
        "latitude": 43.83956,
        "longitude": -79.3818
      }
    }
  }
}
```

```
    }
  }
},
"inquiredFrequencyRange": [],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
    "globalOperatingClass": 134
  },
  {
    "globalOperatingClass": 137
  }
],
"minDesiredPower": 0.0
}
]
}
}
```

2026-04-07T03:51:34Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
```

```
"channelCfi": [  
    33,  
    37,  
    41,  
    45,  
    49,  
    53,  
    57,  
    61,  
    65,  
    69,  
    73,  
    77,  
    81,  
    85,  
    89,  
    93  
],  
"globalOperatingClass": 131,  
"maxEirp": [  
    16.8,  
    10.3,  
    12.8,  
    26.2,  
    17.7,  
    17.7,  
    15.3,  
    13.0,  
    17.8,  
    11.6,  
    22.0,  
    16.1,  
    16.5,  
    18.9,  
    16.9,  
    10.5  
]  
]
```

```

},
{
  "channelCfi": [
    35,
    43,
    51,
    67,
    75,
    83,
    91
  ],
  "globalOperatingClass": 132,
  "maxEirp": [
    13.3,
    15.8,
    20.7,
    14.6,
    19.1,
    19.5,
    13.5
  ]
},
{
  "channelCfi": [
    39,
    71,
    87
  ],
  "globalOperatingClass": 133,
  "maxEirp": [
    16.3,
    17.6,
    16.5
  ]
},
{
  "channelCfi": [

```

```
        47,  
        79  
    ],  
    "globalOperatingClass": 134,  
    "maxEirp": [  
        19.3,  
        19.5  
    ]  
},  
{  
    "channelCfi": [  
        63  
    ],  
    "globalOperatingClass": 137,  
    "maxEirp": [  
        22.4  
    ]  
}  
],  
"requestId": "WF072542W-50041",  
"availabilityExpireTime": "2026-04-08T03:51:34Z",  
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```

AFC capability - Inquired Channel**CT_AFC_SP_AP_AFCRSA31_Channel_20MHz_10618_1**

2026-03-31T08:52:06Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF072542W-50041",
        "deviceDescriptor": {
          "serialNumber": "WF072542W-50041",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      }
    }
  }
}
```

```
        "ellipse": {
            "majorAxis": 30,
            "minorAxis": 19,
            "orientation": 90.0,
            "center": {
                "latitude": 43.83956,
                "longitude": -79.3818
            }
        },
        "inquiredFrequencyRange": [],
        "inquiredChannels": [
            {
                "globalOperatingClass": 131
            },
            {
                "globalOperatingClass": 132
            },
            {
                "globalOperatingClass": 133
            },
            {
                "globalOperatingClass": 134
            },
            {
                "globalOperatingClass": 137
            }
        ],
        "minDesiredPower": 0.0
    }
]
```

2026-03-31T08:52:06Z

```
{
    "availableSpectrumInquiryResponses": [
```

```
{
  "response": {
    "responseCode": 0,
    "shortDescription": "SUCCESS"
  },
  "availableChannelInfo": [
    {
      "channelCfi": [
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        81,
        85,
        89,
        93,
        161,
        165,
        169,
        173
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        29.8,
        26.8,
        32.8,
        24.3,
        30.9,
        30.5,
        24.9,
        23.3,
        35.0,
        29.9,
```

```
        32.4,  
        30.0,  
        22.8,  
        29.5,  
        33.8,  
        32.8  
    ]  
},  
{  
    "channelCfi": [  
        35,  
        43,  
        51,  
        59,  
        83,  
        91,  
        163,  
        171  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        29.8,  
        27.3,  
        33.5,  
        26.3,  
        32.9,  
        33.0,  
        25.8,  
        35.8  
    ]  
},  
{  
    "channelCfi": [  
        39,  
        55,  
        87,  
        167
```

```
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        30.3,
        29.3,
        35.9,
        28.8
    ]
},
{
    "channelCfi": [
        47
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        32.3
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "WF072542W-50041",
"availabilityExpireTime": "2026-04-01T08:52:06Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2026-03-31T08:56:28Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "application/json",
```

```
"Content-Type": "application/json",
"User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
"Accept-Encoding": "gzip,deflate",
"X-Forwarded-For": "192.168.1.169",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "659",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "WF072542W-50041",
      "deviceDescriptor": {
        "serialNumber": "WF072542W-50041",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "QXO-AP5022"
          }
        ]
      }
    }
  ],
  "location": {
    "indoorDeployment": 2,
    "elevation": {
      "height": 154.9,
      "heightType": "AMSL",
      "verticalUncertainty": 66
    },
    "ellipse": {
      "majorAxis": 30,
      "minorAxis": 19,
      "orientation": 90.0,
      "center": {
        "latitude": 43.83956,
        "longitude": -79.3818
      }
    }
  }
}
```

```
        }
      }
    },
    "inquiredFrequencyRange": [],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      },
      {
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 137
      }
    ],
    "minDesiredPower": 0.0
  }
]
}
```

2026-03-31T08:56:28Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
```

```
"channelCfi": [  
    1,  
    5,  
    9,  
    13,  
    17,  
    21,  
    25,  
    29,  
    65,  
    69,  
    73,  
    77,  
    129,  
    133,  
    137,  
    141,  
    145,  
    149,  
    153,  
    157  
],  
"globalOperatingClass": 131,  
"maxEirp": [  
    24.6,  
    32.1,  
    30.4,  
    27.9,  
    24.9,  
    32.4,  
    33.5,  
    27.5,  
    33.7,  
    25.1,  
    25.0,  
    26.7,  
    24.1,
```

```
        26.5,  
        24.3,  
        27.7,  
        25.8,  
        28.2,  
        27.5,  
        21.5  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        19,  
        27,  
        67,  
        75,  
        131,  
        139,  
        147,  
        155  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        27.6,  
        30.9,  
        27.9,  
        30.5,  
        28.1,  
        28.0,  
        27.1,  
        27.3,  
        28.8,  
        24.5  
    ]  
},  
{
```

```
"channelCfi": [
    7,
    23,
    71,
    135,
    151
],
"globalOperatingClass": 133,
"maxEirp": [
    30.6,
    30.9,
    31.0,
    30.1,
    27.5
]
},
{
    "channelCfi": [
        15,
        143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        33.6,
        30.5
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "WF072542W-50041",
"availabilityExpireTime": "2026-04-01T08:56:28Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
```



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

CT_AFC_SP_AP_AFCDSA31_Channel_40MHz_10619_1

2026-03-31T09:01:52Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF072542W-50041",
        "deviceDescriptor": {
          "serialNumber": "WF072542W-50041",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      },
      "ellipse": {
```

```
        "majorAxis": 30,
        "minorAxis": 19,
        "orientation": 90.0,
        "center": {
            "latitude": 43.83956,
            "longitude": -79.3818
        }
    },
    "inquiredFrequencyRange": [],
    "inquiredChannels": [
        {
            "globalOperatingClass": 131
        },
        {
            "globalOperatingClass": 132
        },
        {
            "globalOperatingClass": 133
        },
        {
            "globalOperatingClass": 134
        },
        {
            "globalOperatingClass": 137
        }
    ],
    "minDesiredPower": 0.0
}
]
```

```
##### 2026-03-31T09:01:52Z #####
{
    "availableSpectrumInquiryResponses": [
        {
```

```
"response": {
  "responseCode": 0,
  "shortDescription": "SUCCESS"
},
"availableChannelInfo": [
  {
    "channelCfi": [
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      129,
      133,
      137,
      141,
      161,
      165,
      169,
      173
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      21.1,
      34.8,
      28.9,
      27.0,
      32.6,
      21.1,
      29.5,
      30.9,
      23.9,
      24.4,
      25.8,
```

```
        22.6,  
        24.3,  
        33.2,  
        24.4,  
        27.1  
    ]  
},  
{  
    "channelCfi": [  
        19,  
        27,  
        35,  
        43,  
        131,  
        139,  
        163,  
        171  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        24.1,  
        30.0,  
        24.1,  
        32.5,  
        26.9,  
        25.6,  
        27.3,  
        27.4  
    ]  
},  
{  
    "channelCfi": [  
        23,  
        39,  
        135,  
        167  
    ],  
}
```

```
        "globalOperatingClass": 133,
        "maxEirp": [
            27.1,
            27.1,
            28.6,
            30.3
        ]
    },
    {
        "channelCfi": [],
        "globalOperatingClass": 134,
        "maxEirp": []
    },
    {
        "channelCfi": [],
        "globalOperatingClass": 137,
        "maxEirp": []
    }
],
"requestId": "WF072542W-50041",
"availabilityExpireTime": "2026-04-01T09:01:52Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2026-03-31T09:06:48Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
```

```
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "659",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "WF072542W-50041",
      "deviceDescriptor": {
        "serialNumber": "WF072542W-50041",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "QXO-AP5022"
          }
        ]
      }
    }
  ],
  "location": {
    "indoorDeployment": 2,
    "elevation": {
      "height": 154.9,
      "heightType": "AMSL",
      "verticalUncertainty": 66
    },
    "ellipse": {
      "majorAxis": 30,
      "minorAxis": 19,
      "orientation": 90.0,
      "center": {
        "latitude": 43.83956,
        "longitude": -79.3818
      }
    }
  },
  "inquiredFrequencyRange": [],
  "inquiredChannels": [
```

```
{
  "globalOperatingClass": 131
},
{
  "globalOperatingClass": 132
},
{
  "globalOperatingClass": 133
},
{
  "globalOperatingClass": 134
},
{
  "globalOperatingClass": 137
}
],
"minDesiredPower": 0.0
}
]
}
}
```

2026-03-31T09:06:48Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
          "channelCfi": [
            1,
            5,
            9,
            13,
```

```
49,  
53,  
57,  
61,  
65,  
69,  
73,  
77,  
81,  
85,  
89,  
93,  
145,  
149,  
153,  
157  
],  
"globalOperatingClass": 131,  
"maxEirp": [  
21.0,  
34.1,  
25.4,  
23.3,  
32.9,  
26.6,  
22.6,  
24.5,  
32.7,  
21.8,  
28.3,  
34.8,  
22.9,  
27.1,  
23.1,  
31.9,  
22.9,  
33.6,
```

```
        29.7,
        31.8
    ]
},
{
    "channelCfi": [
        3,
        11,
        51,
        59,
        67,
        75,
        83,
        91,
        147,
        155
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        24.0,
        26.3,
        29.6,
        25.6,
        24.8,
        31.3,
        25.9,
        26.1,
        25.9,
        32.7
    ]
},
{
    "channelCfi": [
        7,
        55,
        71,
        87,
```

```
151
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        27.0,
        28.6,
        27.8,
        28.9,
        28.9
    ]
},
{
    "channelCfi": [
        79
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        30.8
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "WF072542W-50041",
"availabilityExpireTime": "2026-04-01T09:06:48Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

CT_AFC_SP_AP_AFCDSA31_Channel_80MHz_10620_1

2026-03-31T08:18:24Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF072542W-50041",
        "deviceDescriptor": {
          "serialNumber": "WF072542W-50041",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      }
    },
    "ellipse": {
```

```
        "majorAxis": 30,
        "minorAxis": 19,
        "orientation": 90.0,
        "center": {
            "latitude": 43.83956,
            "longitude": -79.3818
        }
    },
    "inquiredFrequencyRange": [],
    "inquiredChannels": [
        {
            "globalOperatingClass": 131
        },
        {
            "globalOperatingClass": 132
        },
        {
            "globalOperatingClass": 133
        },
        {
            "globalOperatingClass": 134
        },
        {
            "globalOperatingClass": 137
        }
    ],
    "minDesiredPower": 0.0
}

]

}

}

##### 2026-03-31T08:18:24Z #####
{
    "availableSpectrumInquiryResponses": [
        {
```

```
"response": {
  "responseCode": 0,
  "shortDescription": "SUCCESS"
},
"availableChannelInfo": [
  {
    "channelCfi": [
      33,
      37,
      41,
      45,
      65,
      69,
      73,
      77,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      25.2,
      29.9,
      30.5,
      33.1,
      28.4,
      24.4,
      22.9,
      24.1,
      28.5,
      31.4,
      22.4,
```

```
        28.4,  
        27.9,  
        24.2,  
        32.8,  
        29.6  
    ]  
},  
{  
    "channelCfi": [  
        35,  
        43,  
        67,  
        75,  
        131,  
        139,  
        147,  
        155  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        28.2,  
        33.5,  
        27.4,  
        25.9,  
        31.5,  
        25.4,  
        27.2,  
        32.6  
    ]  
},  
{  
    "channelCfi": [  
        39,  
        71,  
        135,  
        151  
    ],
```

```
"globalOperatingClass": 133,
"maxEirp": [
  31.2,
  28.9,
  28.4,
  30.2
],
},
{
  "channelCfi": [
    143
  ],
  "globalOperatingClass": 134,
  "maxEirp": [
    31.4
  ],
},
{
  "channelCfi": [],
  "globalOperatingClass": 137,
  "maxEirp": []
}
],
"requestId": "WF072542W-50041",
"availabilityExpireTime": "2026-04-01T08:18:24Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2026-03-31T08:25:16Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
```

```
"User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
"Accept-Encoding": "gzip,deflate",
"X-Forwarded-For": "192.168.1.169",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "659",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "WF072542W-50041",
      "deviceDescriptor": {
        "serialNumber": "WF072542W-50041",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "QXO-AP5022"
          }
        ]
      }
    }
  ],
  "location": {
    "indoorDeployment": 2,
    "elevation": {
      "height": 154.9,
      "heightType": "AMSL",
      "verticalUncertainty": 66
    },
    "ellipse": {
      "majorAxis": 30,
      "minorAxis": 19,
      "orientation": 90.0,
      "center": {
        "latitude": 43.83956,
        "longitude": -79.3818
      }
    }
  }
}
```

```
    }
  },
  "inquiredFrequencyRange": [],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    },
    {
      "globalOperatingClass": 132
    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    },
    {
      "globalOperatingClass": 137
    }
  ],
  "minDesiredPower": 0.0
}
]
```

```
##### 2026-03-31T08:25:16Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
          "channelCfi": [
```

```
1,  
5,  
9,  
13,  
17,  
21,  
25,  
29,  
49,  
53,  
57,  
61,  
81,  
85,  
89,  
93,  
161,  
165,  
169,  
173  
],  
"globalOperatingClass": 131,  
"maxEirp": [  
24.9,  
29.3,  
21.4,  
29.4,  
34.5,  
27.4,  
25.0,  
33.1,  
22.2,  
21.8,  
26.6,  
31.2,  
23.8,  
27.8,
```

```
        29.8,
        24.2,
        32.9,
        33.7,
        23.8,
        24.3
    ]
},
{
    "channelCfi": [
        3,
        11,
        19,
        27,
        51,
        59,
        83,
        91,
        163,
        171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        27.9,
        24.4,
        30.4,
        28.0,
        24.8,
        29.6,
        26.8,
        27.2,
        35.9,
        26.8
    ]
},
{
    "channelCfi": [
```

```
        7,  
        23,  
        55,  
        87,  
        167  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
        27.4,  
        31.0,  
        27.8,  
        29.8,  
        29.8  
    ]  
},  
{  
    "channelCfi": [  
        15  
    ],  
    "globalOperatingClass": 134,  
    "maxEirp": [  
        30.4  
    ]  
},  
{  
    "channelCfi": [],  
    "globalOperatingClass": 137,  
    "maxEirp": []  
}  
],  
"requestId": "WF072542W-50041",  
"availabilityExpireTime": "2026-04-01T08:25:16Z",  
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```

CT_AFC_SP_AP_AFCDRSA31_Channel_160MHz_10621_1

2026-03-31T08:31:51Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF072542W-50041",
        "deviceDescriptor": {
          "serialNumber": "WF072542W-50041",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      }
    }
  }
}
```

```
"ellipse": {
  "majorAxis": 30,
  "minorAxis": 19,
  "orientation": 90.0,
  "center": {
    "latitude": 43.83956,
    "longitude": -79.3818
  }
},
"inquiredFrequencyRange": [],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
    "globalOperatingClass": 134
  },
  {
    "globalOperatingClass": 137
  }
],
"minDesiredPower": 0.0
}
]
```

```
##### 2026-03-31T08:31:51Z #####
```

```
{
  "availableSpectrumInquiryResponses": [
```

```
{
  "response": {
    "responseCode": 0,
    "shortDescription": "SUCCESS"
  },
  "availableChannelInfo": [
    {
      "channelCfi": [
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        26.9,
        33.1,
        21.4,
        23.8,
        25.9,
        30.4,
        29.9,
        32.4,
        26.0,
        22.2,
```

```
        29.8,
        30.6,
        23.9,
        25.7,
        24.1,
        24.7
    ]
},
{
    "channelCfi": [
        67,
        75,
        83,
        91,
        131,
        139,
        147,
        155
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        29.9,
        24.4,
        28.9,
        32.9,
        25.2,
        32.8,
        26.9,
        27.1
    ]
},
{
    "channelCfi": [
        71,
        87,
        135,
        151
```

```
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        27.4,
        31.9,
        28.2,
        29.9
    ]
},
{
    "channelCfi": [
        79,
        143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        30.4,
        31.2
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "WF072542W-50041",
"availabilityExpireTime": "2026-04-01T08:31:51Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2026-03-31T08:32:51Z #####
{
    "headers": {
```

```
"Host": "testserver.wfatestorg.org",
"Accept": "application/json",
"Content-Type": "application/json",
"User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
"Accept-Encoding": "gzip,deflate",
"X-Forwarded-For": "192.168.1.169",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "659",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "WF072542W-50041",
      "deviceDescriptor": {
        "serialNumber": "WF072542W-50041",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "QXO-AP5022"
          }
        ]
      }
    }
  ],
  "location": {
    "indoorDeployment": 2,
    "elevation": {
      "height": 154.9,
      "heightType": "AMSL",
      "verticalUncertainty": 66
    }
  },
  "ellipse": {
    "majorAxis": 30,
    "minorAxis": 19,
    "orientation": 90.0,
    "center": {
```

```
        "latitude": 43.83956,
        "longitude": -79.3818
      }
    }
  },
  "inquiredFrequencyRange": [],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    },
    {
      "globalOperatingClass": 132
    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    },
    {
      "globalOperatingClass": 137
    }
  ],
  "minDesiredPower": 0.0
}
]
}
}

##### 2026-03-31T08:32:51Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
    },
  ],
}
```

```
"availableChannelInfo": [  
  {  
    "channelCfi": [  
      65,  
      69,  
      73,  
      77,  
      81,  
      85,  
      89,  
      93,  
      129,  
      133,  
      137,  
      141,  
      145,  
      149,  
      153,  
      157  
    ],  
    "globalOperatingClass": 131,  
    "maxEirp": [  
      26.9,  
      33.1,  
      21.4,  
      23.8,  
      25.9,  
      30.4,  
      29.9,  
      32.4,  
      26.0,  
      22.2,  
      29.8,  
      30.6,  
      23.9,  
      25.7,  
      24.1,  
    ]  
  }  
]
```

```
        24.7
      ]
    },
    {
      "channelCfi": [
        67,
        75,
        83,
        91,
        131,
        139,
        147,
        155
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        29.9,
        24.4,
        28.9,
        32.9,
        25.2,
        32.8,
        26.9,
        27.1
      ]
    },
    {
      "channelCfi": [
        71,
        87,
        135,
        151
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        27.4,
        31.9,
```

```
                28.2,
                29.9
            ]
        },
        {
            "channelCfi": [
                79,
                143
            ],
            "globalOperatingClass": 134,
            "maxEirp": [
                30.4,
                31.2
            ]
        },
        {
            "channelCfi": [],
            "globalOperatingClass": 137,
            "maxEirp": []
        }
    ],
    "requestId": "WF072542W-50041",
    "availabilityExpireTime": "2026-04-01T08:32:51Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}

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

2026-03-31T08:38:45Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
```

```
"X-Forwarded-For": "192.168.1.169",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "659",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "WF072542W-50041",
      "deviceDescriptor": {
        "serialNumber": "WF072542W-50041",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "QXO-AP5022"
          }
        ]
      }
    }
  ],
  "location": {
    "indoorDeployment": 2,
    "elevation": {
      "height": 154.9,
      "heightType": "AMSL",
      "verticalUncertainty": 66
    },
    "ellipse": {
      "majorAxis": 30,
      "minorAxis": 19,
      "orientation": 90.0,
      "center": {
        "latitude": 43.83956,
        "longitude": -79.3818
      }
    }
  }
},
```

```
"inquiredFrequencyRange": [],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
    "globalOperatingClass": 134
  },
  {
    "globalOperatingClass": 137
  }
],
"minDesiredPower": 0.0
}
]
}
}

##### 2026-03-31T08:38:45Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
          "channelCfi": [
            1,
            5,

```

```
        9,  
        13,  
        17,  
        21,  
        25,  
        29,  
        33,  
        37,  
        41,  
        45,  
        49,  
        53,  
        57,  
        61  
    ],  
    "globalOperatingClass": 131,  
    "maxEirp": [  
        25.2,  
        23.8,  
        30.1,  
        32.1,  
        22.8,  
        25.3,  
        21.8,  
        32.6,  
        30.2,  
        31.5,  
        22.5,  
        32.7,  
        26.5,  
        31.2,  
        28.5,  
        29.3  
    ]  
},  
{  
    "channelCfi": [  

```

```
        3,  
        11,  
        19,  
        27,  
        35,  
        43,  
        51,  
        59  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        26.8,  
        33.1,  
        25.8,  
        24.8,  
        33.2,  
        25.5,  
        29.5,  
        31.5  
    ]  
},  
{  
    "channelCfi": [  
        7,  
        23,  
        39,  
        55  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
        29.8,  
        27.8,  
        28.5,  
        32.5  
    ]  
},  
{
```

```
        "channelCfi": [
            15,
            47
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
            30.8,
            31.5
        ]
    },
    {
        "channelCfi": [
            31
        ],
        "globalOperatingClass": 137,
        "maxEirp": [
            33.9
        ]
    }
],
"requestId": "WF072542W-50041",
"availabilityExpireTime": "2026-04-01T08:38:45Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

CT_AFC_SP_AP_AFCDUSA32_Channel_10622_1

2026-03-31T06:20:54Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF072542W-50041",
        "deviceDescriptor": {
          "serialNumber": "WF072542W-50041",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      },
      "ellipse": {
```

```
        "majorAxis": 30,
        "minorAxis": 19,
        "orientation": 90.0,
        "center": {
            "latitude": 43.83956,
            "longitude": -79.3818
        }
    },
    "inquiredFrequencyRange": [],
    "inquiredChannels": [
        {
            "globalOperatingClass": 131
        },
        {
            "globalOperatingClass": 132
        },
        {
            "globalOperatingClass": 133
        },
        {
            "globalOperatingClass": 134
        },
        {
            "globalOperatingClass": 137
        }
    ],
    "minDesiredPower": 0.0
}
]
```

```
##### 2026-03-31T06:20:55Z #####
{
    "availableSpectrumInquiryResponses": [
        {
```

```
"response": {
  "responseCode": 0,
  "shortDescription": "SUCCESS"
},
"availableChannelInfo": [],
"requestId": "WF072542W-50041",
"availabilityExpireTime": "2026-04-01T06:20:55Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

CT_AFC_SP_AP_AFCDSAU33_Channel_10623_1

2026-03-31T06:21:37Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF072542W-50041",
        "deviceDescriptor": {
          "serialNumber": "WF072542W-50041",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      },
      "ellipse": {
```

```
        "majorAxis": 30,
        "minorAxis": 19,
        "orientation": 90.0,
        "center": {
            "latitude": 43.83956,
            "longitude": -79.3818
        }
    },
    "inquiredFrequencyRange": [],
    "inquiredChannels": [
        {
            "globalOperatingClass": 131
        },
        {
            "globalOperatingClass": 132
        },
        {
            "globalOperatingClass": 133
        },
        {
            "globalOperatingClass": 134
        },
        {
            "globalOperatingClass": 137
        }
    ],
    "minDesiredPower": 0.0
}
]
```

```
##### 2026-03-31T06:21:37Z #####
{
    "availableSpectrumInquiryResponses": [
        {
```

```
"response": {
  "responseCode": 0,
  "shortDescription": "SUCCESS"
},
"availableChannelInfo": [
  {
    "channelCfi": [
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      22.4,
      34.3,
      25.9,
      23.2,
      23.7,
      32.4,
      31.0,
      22.7,
      33.9,
      21.4,
      27.3,
```

```
        33.6,  
        25.0,  
        25.8,  
        22.4,  
        28.0  
    ]  
},  
{  
    "channelCfi": [  
        19,  
        27,  
        35,  
        43,  
        131,  
        139,  
        147,  
        155  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        25.4,  
        26.2,  
        26.7,  
        25.7,  
        24.4,  
        30.3,  
        28.0,  
        25.4  
    ]  
},  
{  
    "channelCfi": [  
        23,  
        39,  
        135,  
        151  
    ],
```

```
"globalOperatingClass": 133,
  "maxEirp": [
    28.4,
    28.7,
    27.4,
    28.4
  ]
},
{
  "channelCfi": [
    143
  ],
  "globalOperatingClass": 134,
  "maxEirp": [
    30.4
  ]
},
{
  "channelCfi": [],
  "globalOperatingClass": 137,
  "maxEirp": []
}
],
"requestId": "WF072542W-50041",
"availabilityExpireTime": "2026-04-01T06:21:37Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2026-03-31T06:28:57Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
```

```
"User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
"Accept-Encoding": "gzip,deflate",
"X-Forwarded-For": "192.168.1.169",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "659",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "WF072542W-50041",
      "deviceDescriptor": {
        "serialNumber": "WF072542W-50041",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "QXO-AP5022"
          }
        ]
      }
    }
  ],
  "location": {
    "indoorDeployment": 2,
    "elevation": {
      "height": 154.9,
      "heightType": "AMSL",
      "verticalUncertainty": 66
    },
    "ellipse": {
      "majorAxis": 30,
      "minorAxis": 19,
      "orientation": 90.0,
      "center": {
        "latitude": 43.83956,
        "longitude": -79.3818
      }
    }
  }
}
```

```
    }
  },
  "inquiredFrequencyRange": [],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    },
    {
      "globalOperatingClass": 132
    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    },
    {
      "globalOperatingClass": 137
    }
  ],
  "minDesiredPower": 0.0
}
]
```

```
##### 2026-03-31T06:31:29Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
```

```
"Content-Length": "659",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "WF072542W-50041",
      "deviceDescriptor": {
        "serialNumber": "WF072542W-50041",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "QXO-AP5022"
          }
        ]
      }
    }
  ],
  "location": {
    "indoorDeployment": 2,
    "elevation": {
      "height": 154.9,
      "heightType": "AMSL",
      "verticalUncertainty": 66
    },
    "ellipse": {
      "majorAxis": 30,
      "minorAxis": 19,
      "orientation": 90.0,
      "center": {
        "latitude": 43.83956,
        "longitude": -79.3818
      }
    }
  },
  "inquiredFrequencyRange": [],
  "inquiredChannels": [
    {
```

```
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      },
      {
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 137
      }
    ],
    "minDesiredPower": 0.0
  }
]
}
}
```

2026-03-31T06:31:31Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
          "channelCfi": [
            1,
            5,
            9,
            13,
            49,
```

```
53,  
57,  
61,  
65,  
69,  
73,  
77,  
81,  
85,  
89,  
93,  
161,  
165,  
169,  
173  
],  
"globalOperatingClass": 131,  
"maxEirp": [  
28.6,  
29.1,  
34.3,  
24.7,  
21.1,  
23.4,  
22.5,  
33.2,  
27.2,  
21.1,  
26.8,  
34.4,  
30.2,  
30.7,  
34.9,  
30.8,  
25.0,  
22.4,  
33.7,
```

```
        32.9
    ]
},
{
    "channelCfi": [
        3,
        11,
        51,
        59,
        67,
        75,
        83,
        91,
        163,
        171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        31.6,
        27.7,
        24.1,
        25.5,
        24.1,
        29.8,
        33.2,
        33.8,
        25.4,
        35.9
    ]
},
{
    "channelCfi": [
        7,
        55,
        71,
        87,
        167
```

```
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        30.7,
        27.1,
        27.1,
        36.0,
        28.4
    ]
},
{
    "channelCfi": [
        79
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        30.1
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "WF072542W-50041",
"availabilityExpireTime": "2026-04-01T06:31:31Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2026-03-31T06:31:31Z #####
{
    "availableSpectrumInquiryResponses": [
        {
```

```
"response": {
  "responseCode": 0,
  "shortDescription": "SUCCESS"
},
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93,
      161,
      165,
      169,
      173
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      28.6,
      29.1,
      34.3,
      24.7,
      21.1,
      23.4,
      22.5,
```

```
33.2,
27.2,
21.1,
26.8,
34.4,
30.2,
30.7,
34.9,
30.8,
25.0,
22.4,
33.7,
32.9
]
},
{
  "channelCfi": [
    3,
    11,
    51,
    59,
    67,
    75,
    83,
    91,
    163,
    171
  ],
  "globalOperatingClass": 132,
  "maxEirp": [
    31.6,
    27.7,
    24.1,
    25.5,
    24.1,
    29.8,
    33.2,
```

```
        33.8,  
        25.4,  
        35.9  
    ]  
  },  
  {  
    "channelCfi": [  
      7,  
      55,  
      71,  
      87,  
      167  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
      30.7,  
      27.1,  
      27.1,  
      36.0,  
      28.4  
    ]  
  },  
  {  
    "channelCfi": [  
      79  
    ],  
    "globalOperatingClass": 134,  
    "maxEirp": [  
      30.1  
    ]  
  },  
  {  
    "channelCfi": [],  
    "globalOperatingClass": 137,  
    "maxEirp": []  
  }  
],
```



```
"requestId": "WF072542W-50041",  
  "availabilityExpireTime": "2026-04-01T06:31:31Z",  
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
},  
"version": "1.4"  
}
```

CT_AFC_SP_AP_AFCDUAU34_Channel_10624_1

2026-03-31T06:40:09Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF072542W-50041",
        "deviceDescriptor": {
          "serialNumber": "WF072542W-50041",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      },
      "ellipse": {
```

```
        "majorAxis": 30,
        "minorAxis": 19,
        "orientation": 90.0,
        "center": {
            "latitude": 43.83956,
            "longitude": -79.3818
        }
    },
    "inquiredFrequencyRange": [],
    "inquiredChannels": [
        {
            "globalOperatingClass": 131
        },
        {
            "globalOperatingClass": 132
        },
        {
            "globalOperatingClass": 133
        },
        {
            "globalOperatingClass": 134
        },
        {
            "globalOperatingClass": 137
        }
    ],
    "minDesiredPower": 0.0
}
]
```

```
##### 2026-03-31T06:40:09Z #####
{
    "availableSpectrumInquiryResponses": [
        {
```

```
"response": {
  "responseCode": 0,
  "shortDescription": "SUCCESS"
},
"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,
```

[illegible]

```
        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": [  
        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  
    ]  
}  
],  
"requestId": "WF072542W-50041",  
"availabilityExpireTime": "2026-04-01T06:40:09Z",  
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
```



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

CT_AFC_SP_AP_AFCDSA31_Channel_320MHz_10714_1

2026-03-31T08:45:01Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF072542W-50041",
        "deviceDescriptor": {
          "serialNumber": "WF072542W-50041",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      },
      "ellipse": {
```

```
        "majorAxis": 30,
        "minorAxis": 19,
        "orientation": 90.0,
        "center": {
            "latitude": 43.83956,
            "longitude": -79.3818
        }
    },
    "inquiredFrequencyRange": [],
    "inquiredChannels": [
        {
            "globalOperatingClass": 131
        },
        {
            "globalOperatingClass": 132
        },
        {
            "globalOperatingClass": 133
        },
        {
            "globalOperatingClass": 134
        },
        {
            "globalOperatingClass": 137
        }
    ],
    "minDesiredPower": 0.0
}

]

}

}

##### 2026-03-31T08:45:01Z #####
{
    "availableSpectrumInquiryResponses": [
        {
```

```
"response": {
  "responseCode": 0,
  "shortDescription": "SUCCESS"
},
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      22.7,
      32.5,
      33.6,
      28.1,
      26.5,
      23.6,
      27.6,
      18.9,
      27.7,
      37.2,
      22.8,
```

```
        28.7,  
        27.7,  
        27.3,  
        32.2,  
        24.6  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        19,  
        27,  
        35,  
        43,  
        51,  
        59  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        25.7,  
        31.1,  
        26.6,  
        21.9,  
        30.7,  
        25.8,  
        30.3,  
        27.6  
    ]  
},  
{  
    "channelCfi": [  
        7,  
        23,  
        39,  
        55  
    ],  
}
```

```
"globalOperatingClass": 133,
  "maxEirp": [
    28.7,
    24.9,
    28.8,
    30.6
  ]
},
{
  "channelCfi": [
    15,
    47
  ],
  "globalOperatingClass": 134,
  "maxEirp": [
    27.9,
    31.8
  ]
},
{
  "channelCfi": [
    31
  ],
  "globalOperatingClass": 137,
  "maxEirp": [
    31.0
  ]
}
],
"requestId": "WF072542W-50041",
"availabilityExpireTime": "2026-04-01T08:45:01Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2026-03-31T08:48:27Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "User-Agent": "Apache-HttpClient/4.5.6 (Java/1.8.0_472-internal)",
    "Accept-Encoding": "gzip,deflate",
    "X-Forwarded-For": "192.168.1.169",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "659",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "WF072542W-50041",
        "deviceDescriptor": {
          "serialNumber": "WF072542W-50041",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "QXO-AP5022"
            }
          ]
        }
      }
    ],
    "location": {
      "indoorDeployment": 2,
      "elevation": {
        "height": 154.9,
        "heightType": "AMSL",
        "verticalUncertainty": 66
      },
      "ellipse": {
        "majorAxis": 30,
```

```
        "minorAxis": 19,
        "orientation": 90.0,
        "center": {
            "latitude": 43.83956,
            "longitude": -79.3818
        }
    },
    "inquiredFrequencyRange": [],
    "inquiredChannels": [
        {
            "globalOperatingClass": 131
        },
        {
            "globalOperatingClass": 132
        },
        {
            "globalOperatingClass": 133
        },
        {
            "globalOperatingClass": 134
        },
        {
            "globalOperatingClass": 137
        }
    ],
    "minDesiredPower": 0.0
}
]
```

```
##### 2026-03-31T08:48:27Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
```

```
"responseCode": 0,
"shortDescription": "SUCCESS"
},
"availableChannelInfo": [
  {
    "channelCfi": [
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      10.5,
      16.8,
      14.9,
      21.1,
      19.5,
      12.4,
      17.7,
      21.7,
      16.8,
      22.5,
      11.1,
      14.2,
```

```
        14.8,
        25.9,
        16.8,
        16.0
    ]
},
{
    "channelCfi": [
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        13.5,
        17.9,
        15.4,
        20.7,
        19.8,
        14.1,
        17.8,
        19.0
    ]
},
{
    "channelCfi": [
        39,
        55,
        71,
        87
    ],
    "globalOperatingClass": 133,
```

```
        "maxEirp": [
            16.5,
            18.4,
            17.1,
            20.8
        ]
    },
    {
        "channelCfi": [
            47,
            79
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
            19.5,
            20.1
        ]
    },
    {
        "channelCfi": [
            63
        ],
        "globalOperatingClass": 137,
        "maxEirp": [
            22.6
        ]
    }
],
"requestId": "WF072542W-50041",
"availabilityExpireTime": "2026-04-01T08:48:27Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

AFC capability - Inquired Channel

AFCD.RSA: Successful registration and spectrum access request											
Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Antenna Gain (dBi)	Power (dBm)	EIRP (dBm)	AFC Response Limit (dBm)	Result	PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
6135	LPI	20	6.99	8.04	15.03	-	N/A	-5.39	1.60	5.00	Pass
6695	SP	20	5.91	9.54	15.45	21.90	Pass	-3.98	1.93	-	N/A
6375	SP	20	6.99	13.60	20.59	34.50	Pass	0.24	7.23	-	N/A
6105	LPI	320	6.99	15.07	22.06	-	N/A	-10.21	-3.22	5.00	Pass
6105	SP	320	6.99	14.29	21.28	31.70	Pass	-11.08	-4.09	-	N/A
-	OFF	320	-	-	-	14.80	Pass	-	-	-	-

AFC capability - Inquired Channel

CT_AFC_SP_AP_AFCRSA31_Channel_20MHz_10618_1

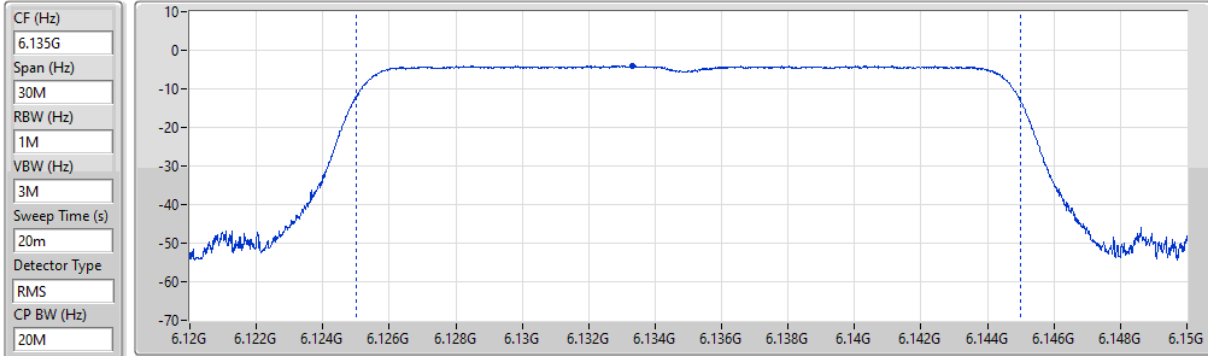
Frequency (MHz): 6135

5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_1TX

AV Power

6135MHz_TX

09/04/2026

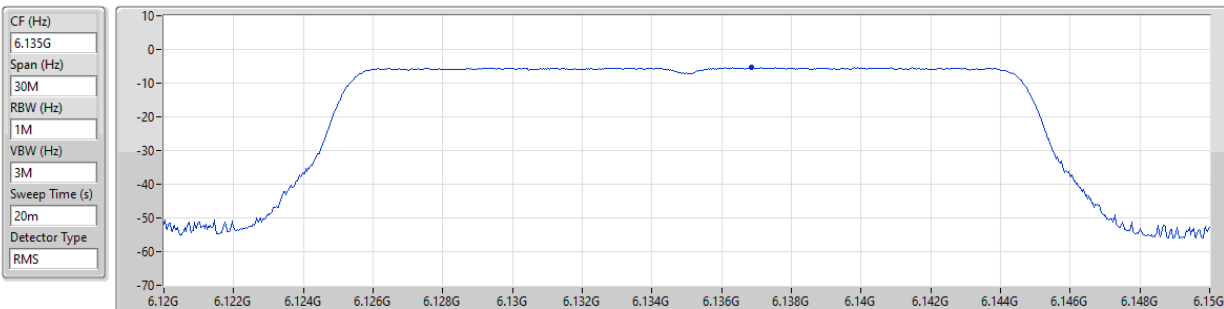


5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

6135MHz

09/04/2026



Frequency (MHz): 6695

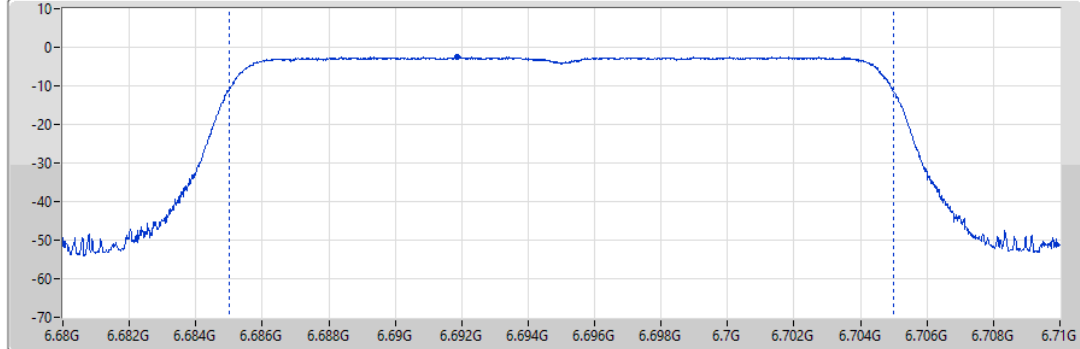
6.525-6.875GHz_802.11be EHT20_Nss1,(MCS0)_1TX

AV Power

6695MHz_TX

09/04/2026

CF (Hz)
6.695G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS
CP BW (Hz)
20M



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
9.54	9.54

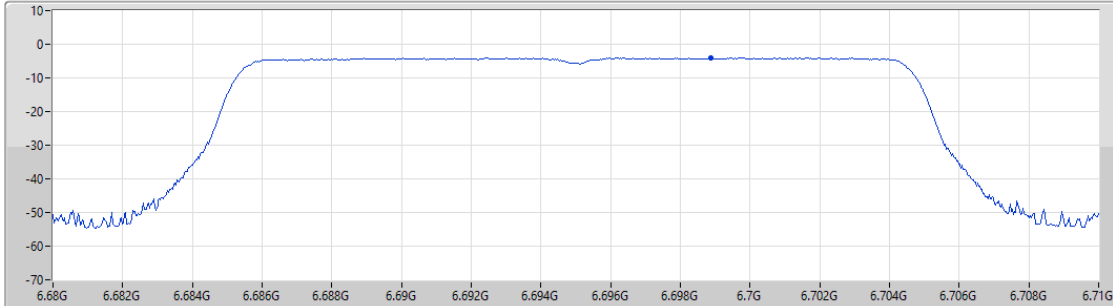
6.525-6.875GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

6695MHz

09/04/2026

CF (Hz)
6.695G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Port 1

Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)
-3.98	-3.98	-3.98

Frequency (MHz): 6375

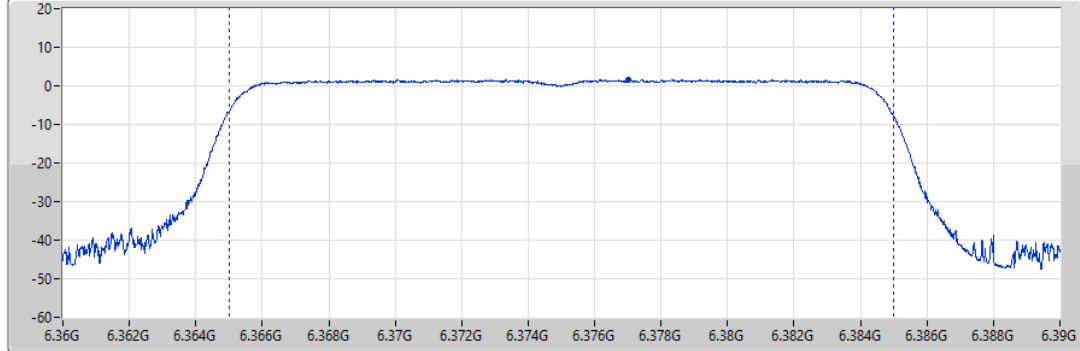
5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_1TX

AV Power

6375MHz_TX

09/04/2026

CF (Hz)
6.375G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS
CP BW (Hz)
20M



Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
13.60	13.60

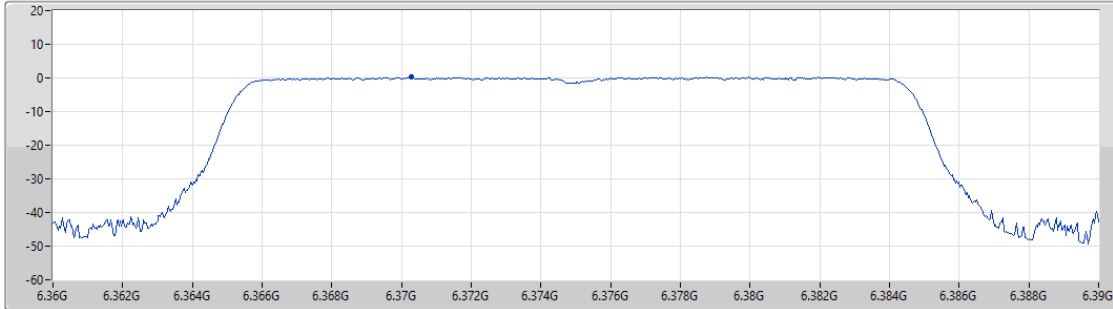
5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

6375MHz

09/04/2026

CF (Hz)
6.375G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)
0.24	0.24	0.24

CT_AFC_SP_AP_AFCDRSA31_Channel_320MHz_10714_1

Bandwidth: 320MHz

Frequency (MHz): 6105

5.925-6.425GHz_802.11be EHT320_Nss1,(MCS0)_1TX

AV Power

6105MHz_TX

09/04/2026

CF (Hz)
6.105G

Span (Hz)
480M

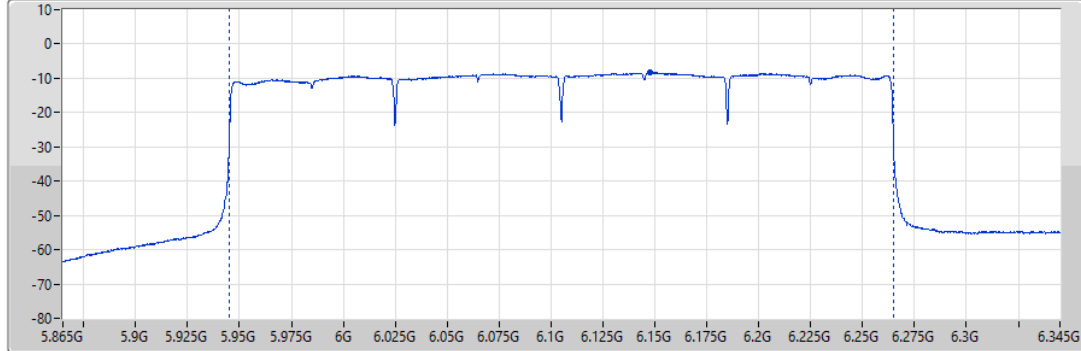
RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS

CP BW (Hz)
320M



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
15.07	15.07

5.925-6.425GHz_802.11be EHT320_Nss1,(MCS0)_1TX

PSD

6105MHz

09/04/2026

CF (Hz)
6.105G

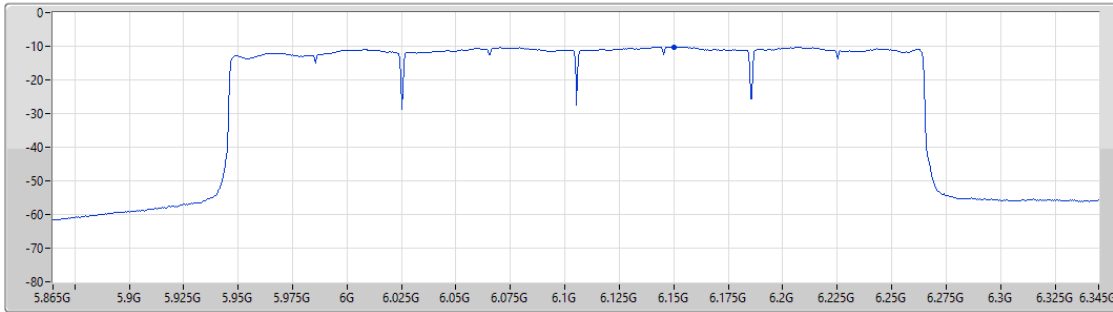
Span (Hz)
480M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Port 1

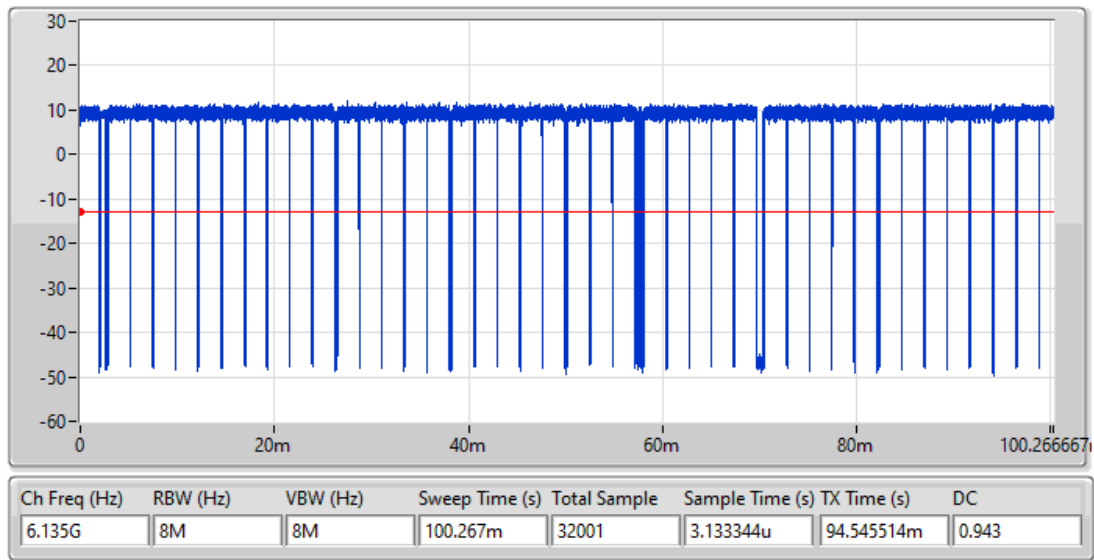
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.21	-10.21	-10.21



Duty Cycle

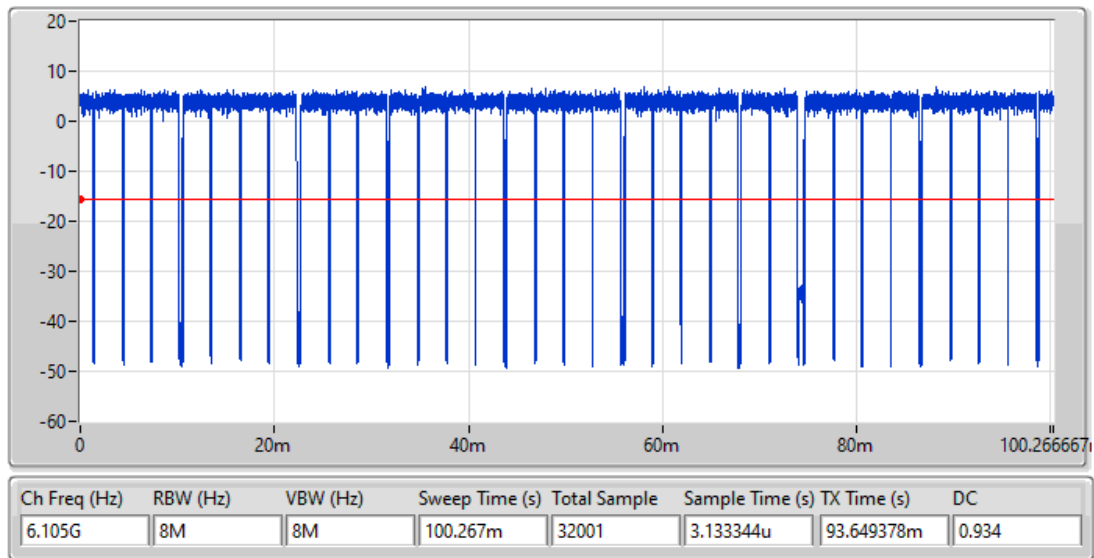
Bandwidth: 20MHz

DC;be20;BWch:20



Bandwidth: 320MHz

DC;be320;BWch:320



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

Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Antenna Gain (dBi)	Power (dBm)	EIRP (dBm)	AFC Response Limit (dBm)	Result	PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
5975	LPI	20	6.99	7.55	14.54	-	N/A	-5.90	1.09	5.00	Pass
6135	SP	20	6.99	11.58	18.57	31.00	Pass	-1.84	5.15	-	N/A
6295	SP	20	6.99	14.68	21.67	27.80	Pass	1.13	8.12	-	N/A
6685	LPI	40	6.45	9.41	15.86	-	N/A	-6.55	-0.10	5.00	Pass
6365	SP	40	6.99	15.28	22.27	27.20	Pass	-1.26	5.73	-	N/A
6125	SP	40	6.99	14.22	21.21	26.40	Pass	-2.04	4.95	-	N/A
6705	LPI	80	6.45	15.13	21.58	-	N/A	-4.14	2.31	5.00	Pass
5985	SP	80	6.99	17.13	24.12	29.10	Pass	-1.48	5.51	-	N/A
6625	SP	80	6.45	17.01	23.46	30.70	Pass	-1.88	4.57	-	N/A
6025	LPI	160	6.99	16.06	23.05	-	N/A	-5.82	1.17	5.00	Pass
6345	SP	160	6.99	15.38	22.37	30.70	Pass	-6.18	0.81	-	N/A
6665	SP	160	6.45	14.80	21.25	34.90	Pass	-6.92	-0.47	-	N/A
6105	LPI	320	6.99	15.04	22.03	-	N/A	-9.96	-2.97	5.00	Pass
-	OFF	320	-	-	-	23.50	-	-	-	-	-
6105	SP	320	6.99	8.86	15.85	21.30	Pass	-15.83	-8.84	-	N/A

AFCD.USA: Unsuccessful spectrum access request

Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Antenna Gain (dBi)	Power (dBm)	EIRP (dBm)	AFC Response Limit (dBm)	Result	PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
6135	LPI	20	6.99	9.04	16.03	-	N/A	-4.48	2.51	5.00	Pass
6135	LPI	20	6.99	9.03	16.02	-	N/A	-4.52	2.47	5.00	Pass

AFCD.SAU: Successful spectrum access update

Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Antenna Gain (dBi)	Power (dBm)	EIRP (dBm)	AFC Response Limit (dBm)	Result	PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
6135	LPI	20	6.99	9.19	16.18	-	N/A	-4.27	2.72	5.00	Pass
6055	SP	20	6.99	13.29	20.28	24.40	Pass	-0.12	6.87	-	N/A
6055	LPI	20	6.99	8.20	15.19	-	N/A	-5.18	1.81	5.00	Pass

AFCD.UAU: Unsuccessful spectrum access update

Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Antenna Gain (dBi)	Power (dBm)	EIRP (dBm)	AFC Response Limit (dBm)	Result	PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
6055	LPI	20	6.99	8.23	15.22	-	N/A	-5.24	1.75	5.00	Pass
6135	SP	20	6.99	17.92	24.91	36.00	Pass	4.44	11.43	-	N/A
6135	LPI	20	6.99	8.29	15.28	-	N/A	-5.17	1.82	5.00	Pass

AFC capability - Inquired Channel

CT_AFC_SP_AP_AFCRSA31_Channel_20MHz_10618_1

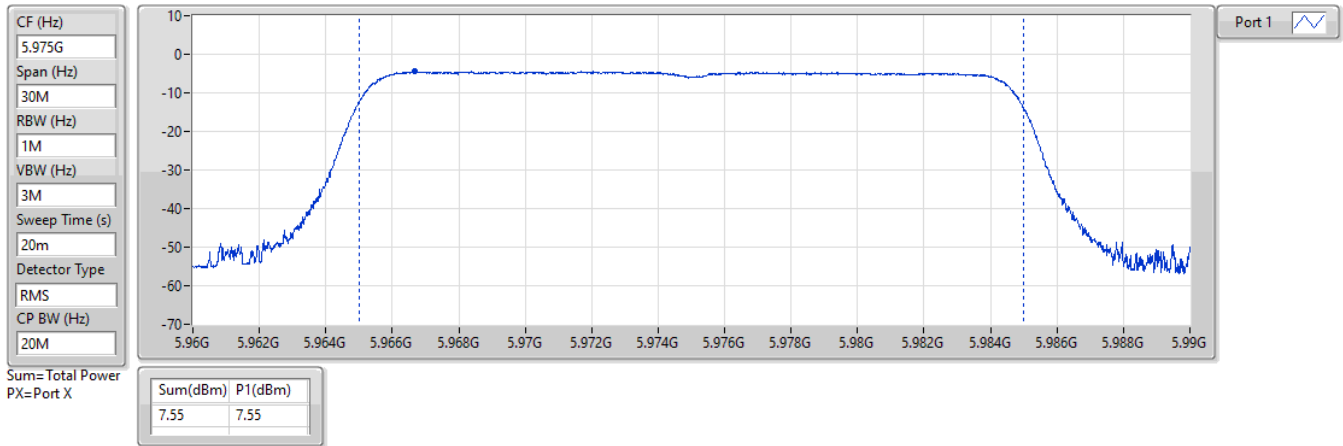
Frequency (MHz): 5975

5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_1TX

AV Power

5975MHz_TX

07/04/2026

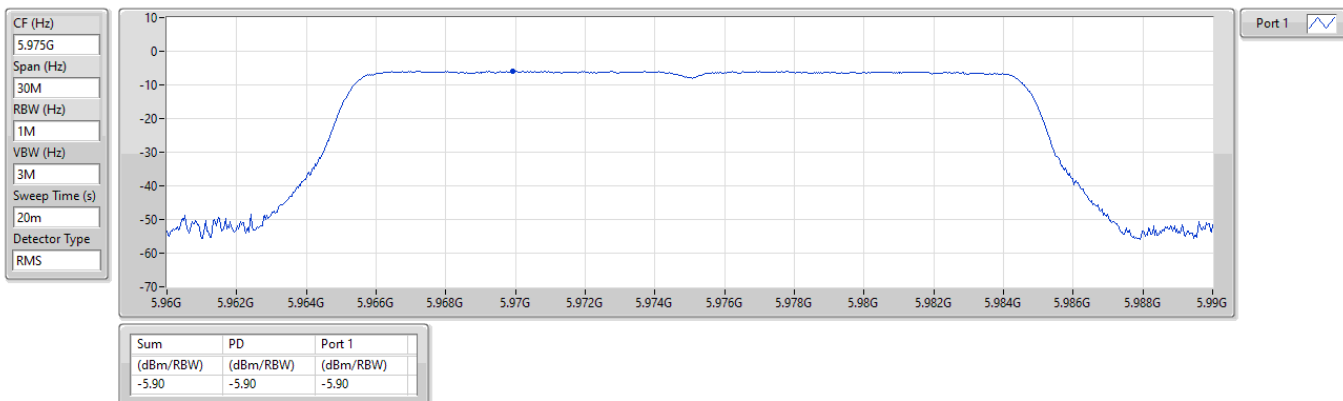


5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

5975MHz

07/04/2026







CT_AFC_SP_AP_AFCRSA31_Channel_40MHz_10619_1

Frequency (MHz): 6685

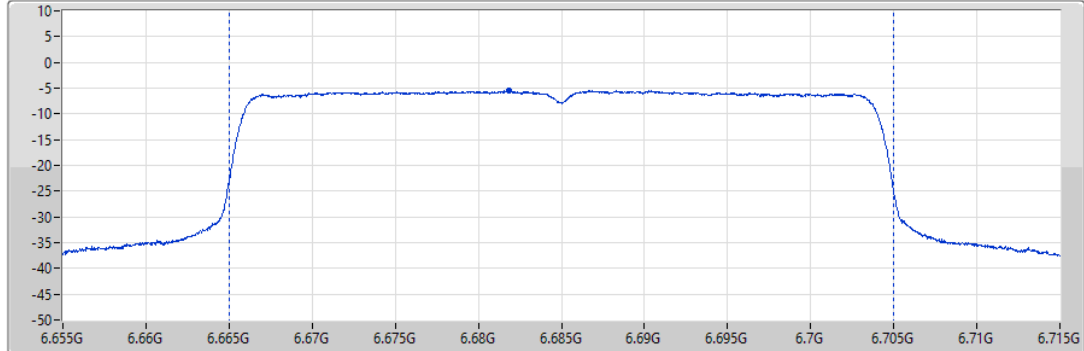
6.525-6.875GHz_802.11be EHT40_Nss1,(MCS0)_1TX

AV Power

6685MHz_TX

07/04/2026

CF (Hz)
6.685G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS
CP BW (Hz)
40M



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
9.41	9.41

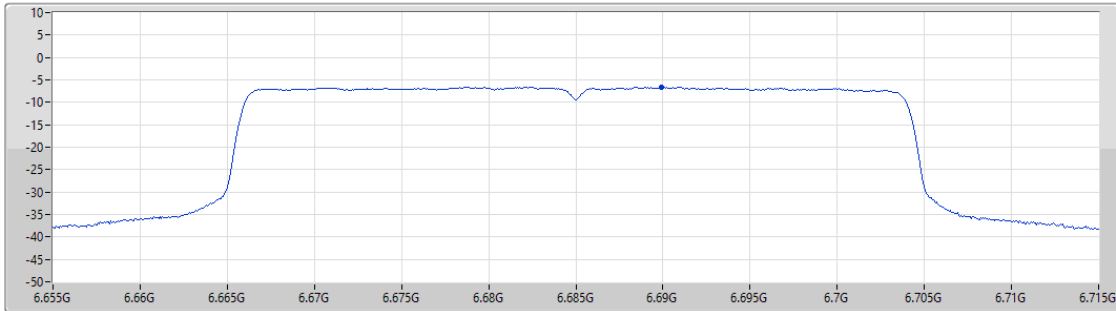
6.525-6.875GHz_802.11be EHT40_Nss1,(MCS0)_1TX

PSD

6685MHz

07/04/2026

CF (Hz)
6.685G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Port 1

Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)
-6.55	-6.55	-6.55



Frequency (MHz): 6125

5.925-6.425GHz_802.11be EHT40_Nss1,(MCS0)_1TX

AV Power

6125MHz_TX

07/04/2026

CF (Hz)
6.125G

Span (Hz)
60M

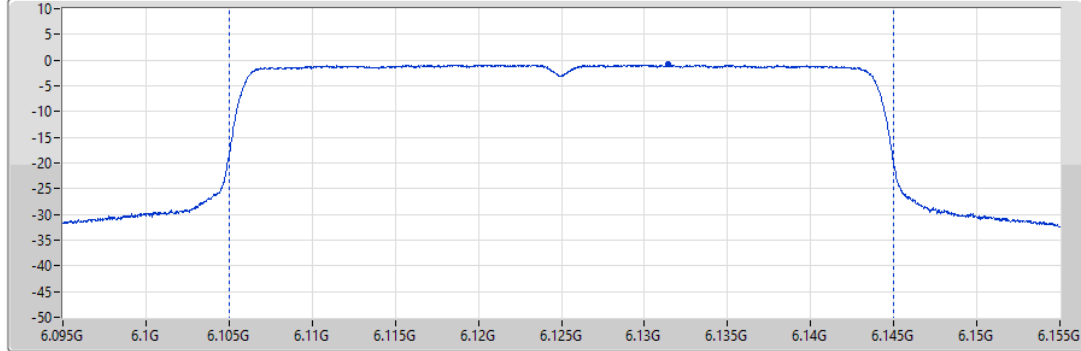
RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS

CP BW (Hz)
40M



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
14.22	14.22

5.925-6.425GHz_802.11be EHT40_Nss1,(MCS0)_1TX

PSD

6125MHz

07/04/2026

CF (Hz)
6.125G

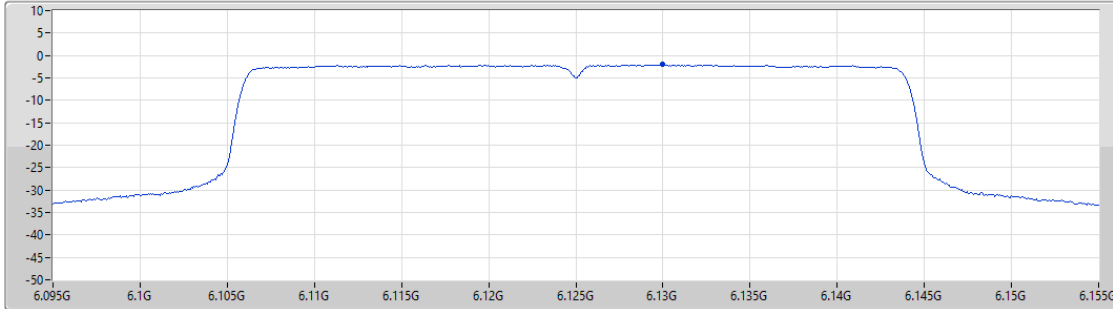
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Port 1

Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)
-2.04	-2.04	-2.04

CT_AFC_SP_AP_AFCRSA31_Channel_80MHz_10620_1

Frequency (MHz): 6705

6.525-6.875GHz_802.11be EHT80_Nss1,(MCS0)_1TX

AV Power

6705MHz_TX

07/04/2026

CF (Hz)
6.705G

Span (Hz)
120M

RBW (Hz)
1M

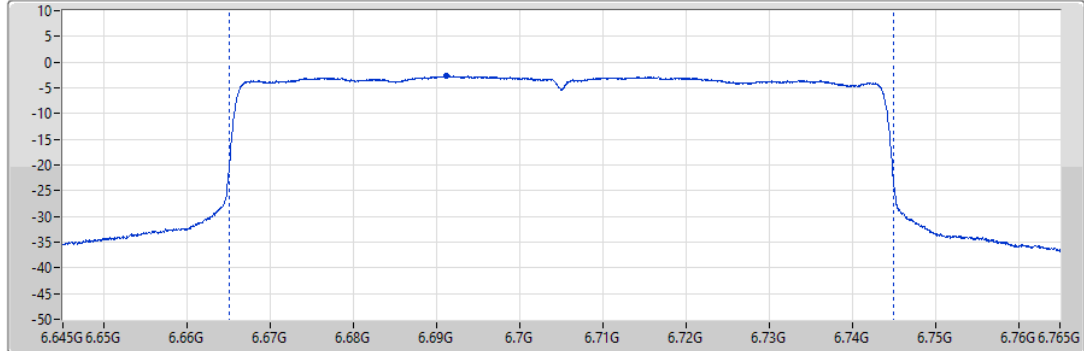
VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS

CP BW (Hz)
80M

Sum=Total Power
PX=Port X



Port 1

Sum(dBm)	P1(dBm)
15.13	15.13

6.525-6.875GHz_802.11be EHT80_Nss1,(MCS0)_1TX

PSD

6705MHz

07/04/2026

CF (Hz)
6.705G

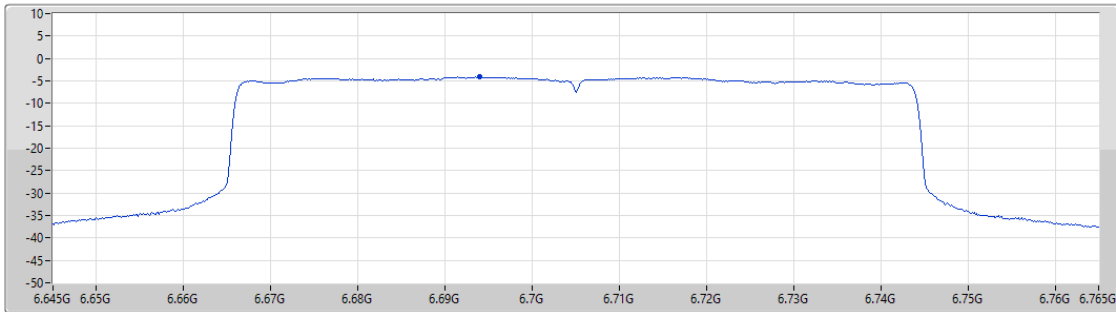
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.14	-4.14	-4.14

Frequency (MHz): 5985

5.925-6.425GHz_802.11be EHT80_Nss1,(MCS0)_1TX

AV Power

5985MHz_TX

07/04/2026

CF (Hz)
5.985G

Span (Hz)
120M

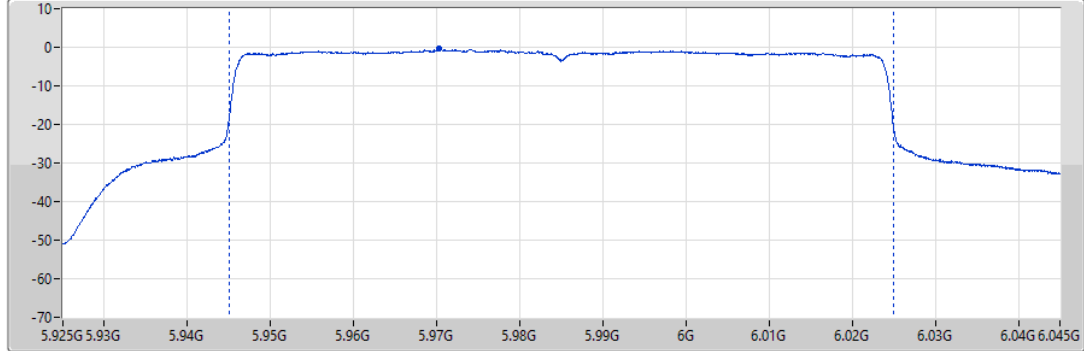
RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS

CP BW (Hz)
80M



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
17.13	17.13

5.925-6.425GHz_802.11be EHT80_Nss1,(MCS0)_1TX

PSD

5985MHz

07/04/2026

CF (Hz)
5.985G

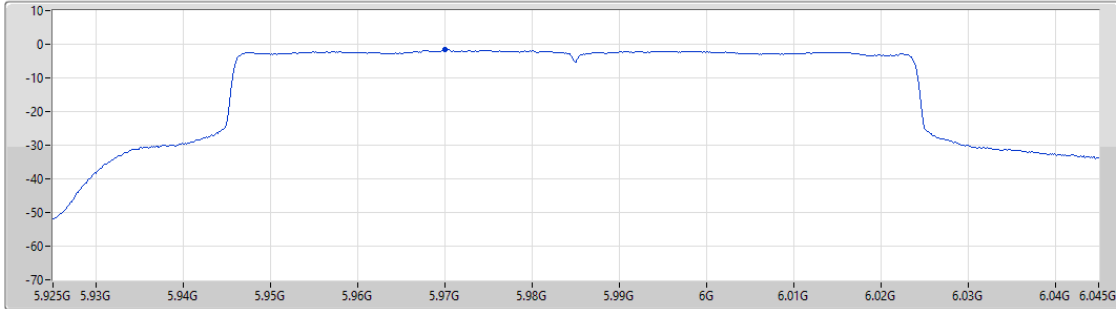
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Port 1

Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)
-1.48	-1.48	-1.48



CT_AFC_SP_AP_AFCRSA31_Channel_160MHz_10621_1

Frequency (MHz): 6025

5.925-6.425GHz_802.11be EHT160_Nss1,(MCS0)_1TX

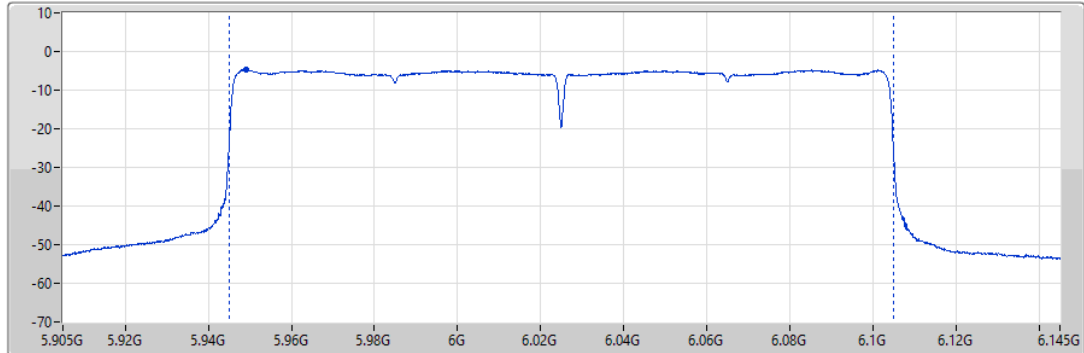
AV Power

6025MHz_TX

07/04/2026

CF (Hz)
6.025G
Span (Hz)
240M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS
CP BW (Hz)
160M

Sum=Total Power
PX=Port X



Port 1

Sum(dBm)	P1(dBm)
16.06	16.06

5.925-6.425GHz_802.11be EHT160_Nss1,(MCS0)_1TX

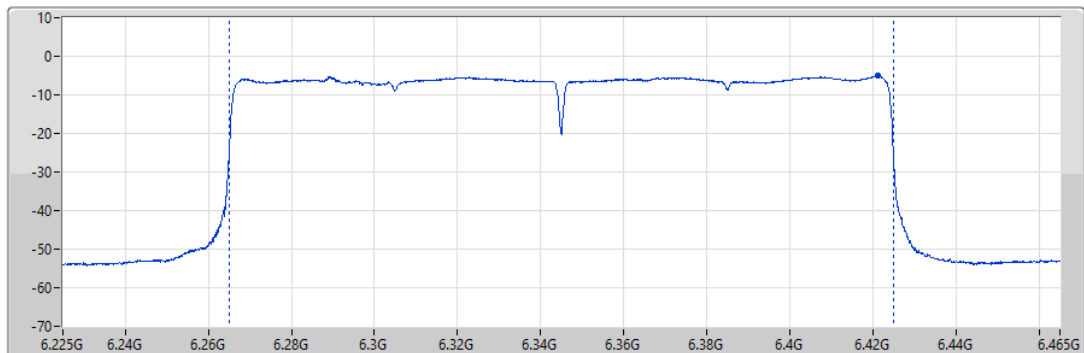
AV Power

6345MHz_TX

07/04/2026

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

Sum=Total Power
PX=Port X



Port 1

Sum(dBm)	P1(dBm)
15.38	15.38

Frequency (MHz): 6345

5.925-6.425GHz_802.11be EHT160_Nss1,(MCS0)_1TX

AV Power

6345MHz_TX

07/04/2026

CF (Hz)
6.345G

Span (Hz)
240M

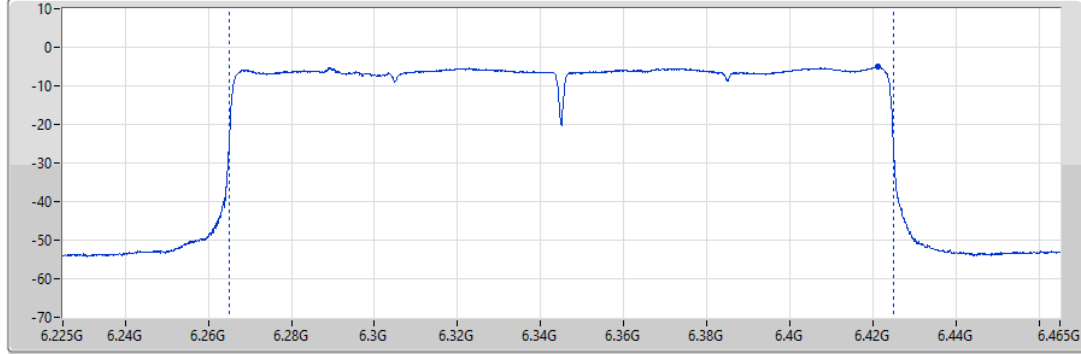
RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS

CP BW (Hz)
160M



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
15.38	15.38

5.925-6.425GHz_802.11be EHT160_Nss1,(MCS0)_1TX

PSD

6345MHz

07/04/2026

CF (Hz)
6.345G

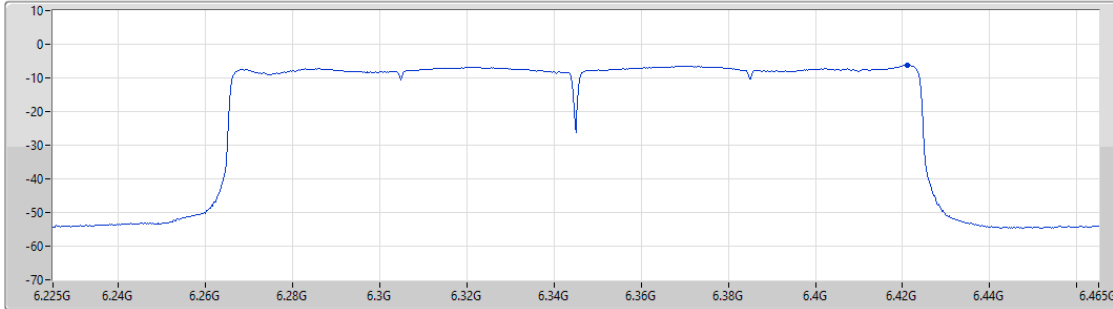
Span (Hz)
240M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.18	-6.18	-6.18

Frequency (MHz): 6665

6.525-6.875GHz_802.11be EHT160_Nss1,(MCS0)_1TX

AV Power

6665MHz_TX

07/04/2026

CF (Hz)
6.665G

Span (Hz)
240M

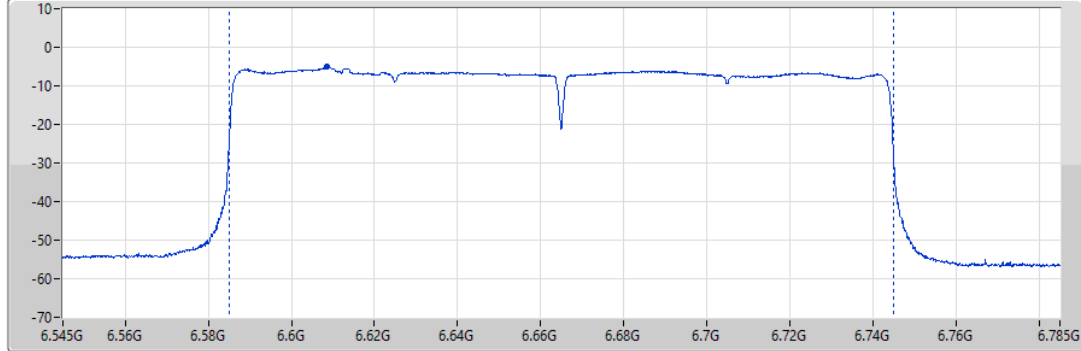
RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS

CP BW (Hz)
160M



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
14.80	14.80

6.525-6.875GHz_802.11be EHT160_Nss1,(MCS0)_1TX

PSD

6665MHz

07/04/2026

CF (Hz)
6.665G

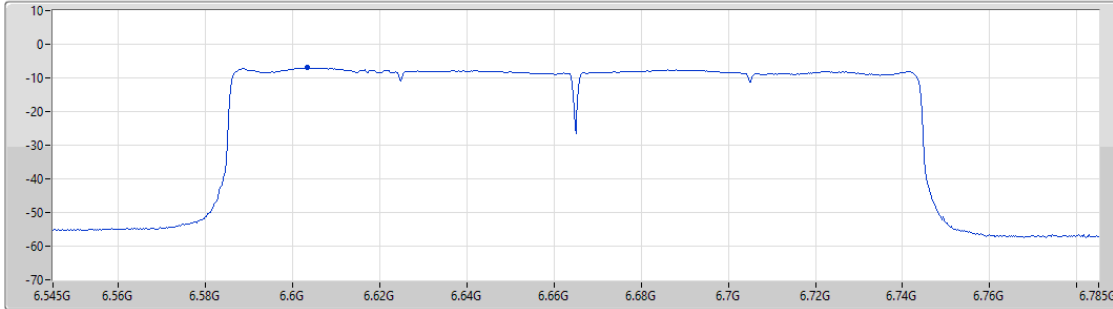
Span (Hz)
240M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.92	-6.92	-6.92

CT_AFC_SP_AP_AFCDRSA31_Channel_320MHz_10714_1

Bandwidth: 320MHz

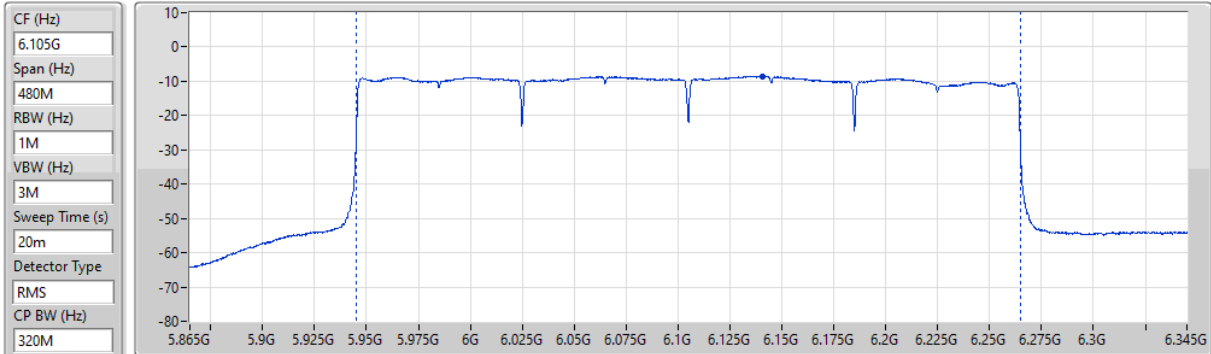
Frequency (MHz): 6105

5.925-6.425GHz_802.11be EHT320_Nss1,(MCS0)_1TX

AV Power

6105MHz_TX

09/04/2026



Port 1

Sum=Total Power
PX=Port X

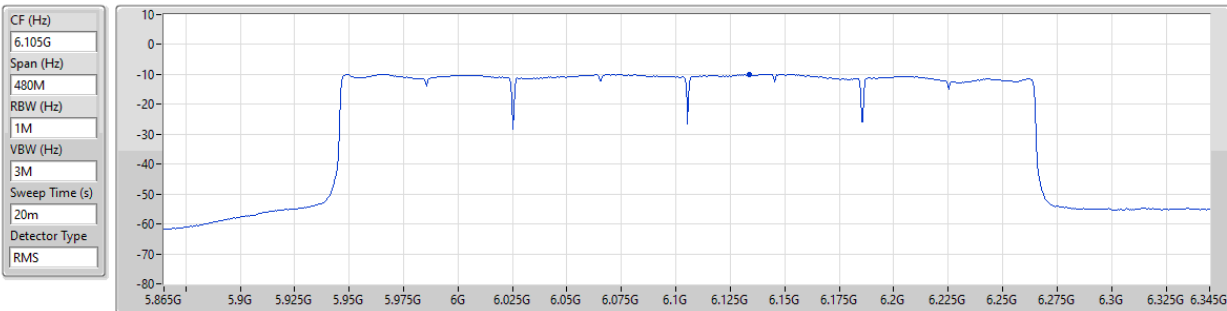
Sum(dBm)	P1(dBm)
15.04	15.04

5.925-6.425GHz_802.11be EHT320_Nss1,(MCS0)_1TX

PSD

6105MHz

09/04/2026



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.96	-9.96	-9.96



CT_AFC_SP_AP_AFCDUSA32_Channel_10622_1

Bandwidth: 20MHz

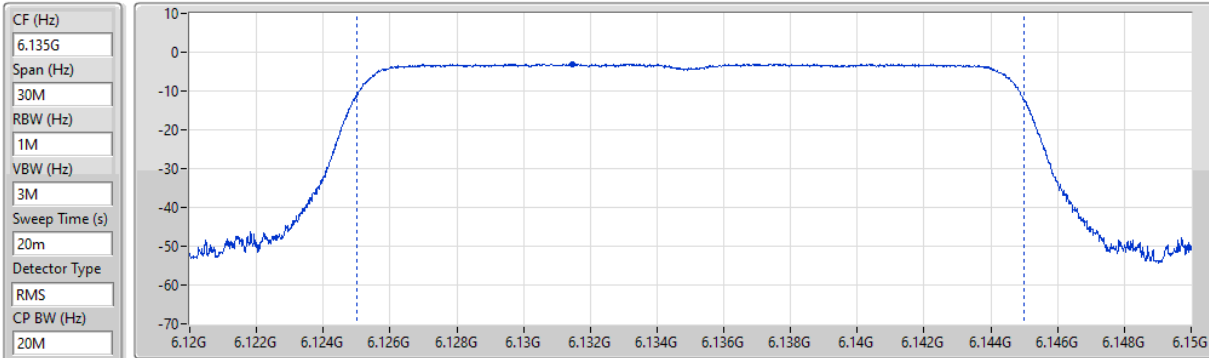
Frequency (MHz): 6135

5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_1TX

AV Power

6135MHz_TX

09/04/2026



Port 1

Sum=Total Power
PX=Port X

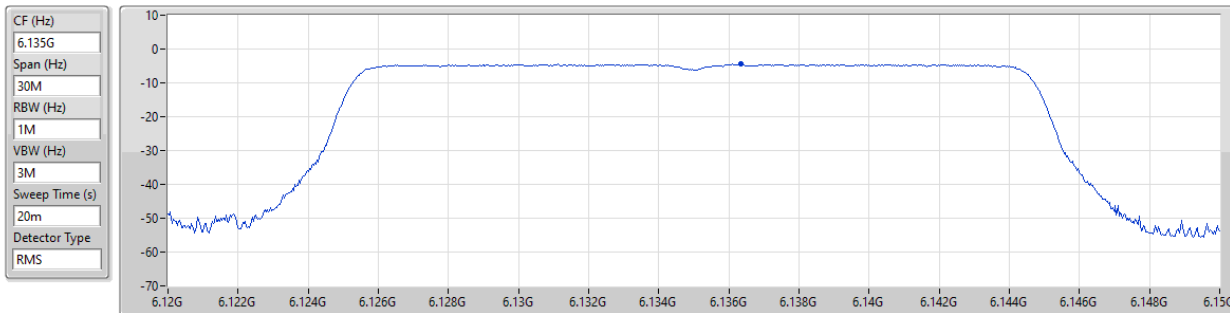
Sum(dBm)	P1(dBm)
9.04	9.04

5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

6135MHz

09/04/2026



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.48	-4.48	-4.48

Frequency (MHz): 6135

5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_1TX

AV Power

6135MHz_TX

09/04/2026

CF (Hz)
6.135G

Span (Hz)
30M

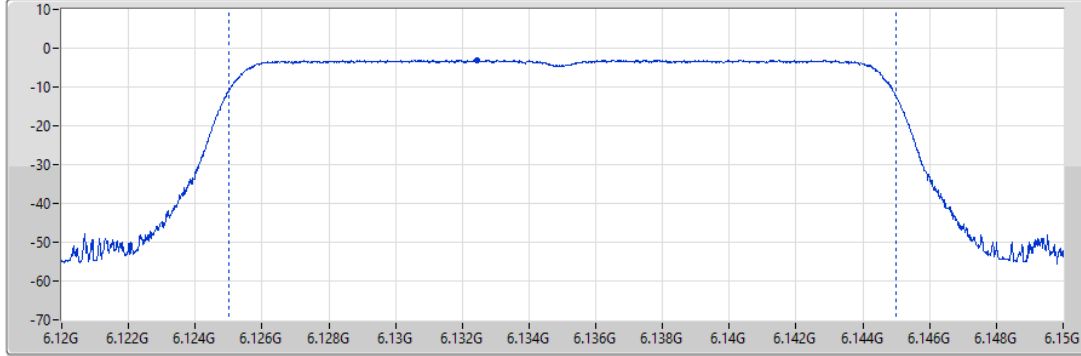
RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS

CP BW (Hz)
20M



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
9.03	9.03

5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

6135MHz

09/04/2026

CF (Hz)
6.135G

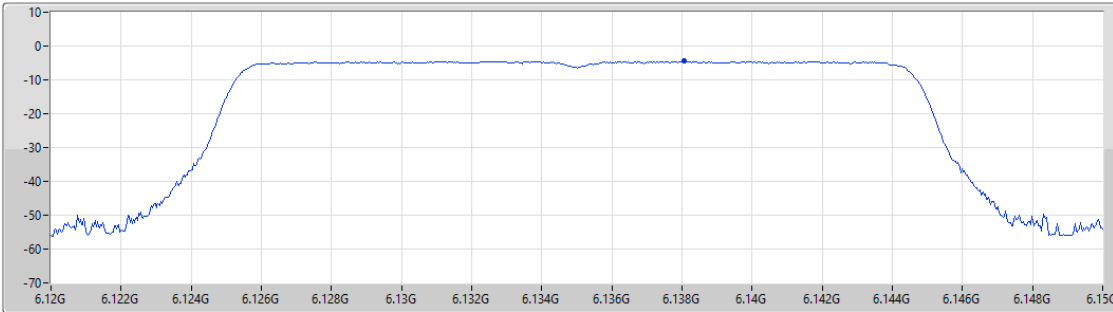
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.52	-4.52	-4.52

CT_AFC_SP_AP_AFCDSAU33_Channel_10623_1

Bandwidth: 20MHz

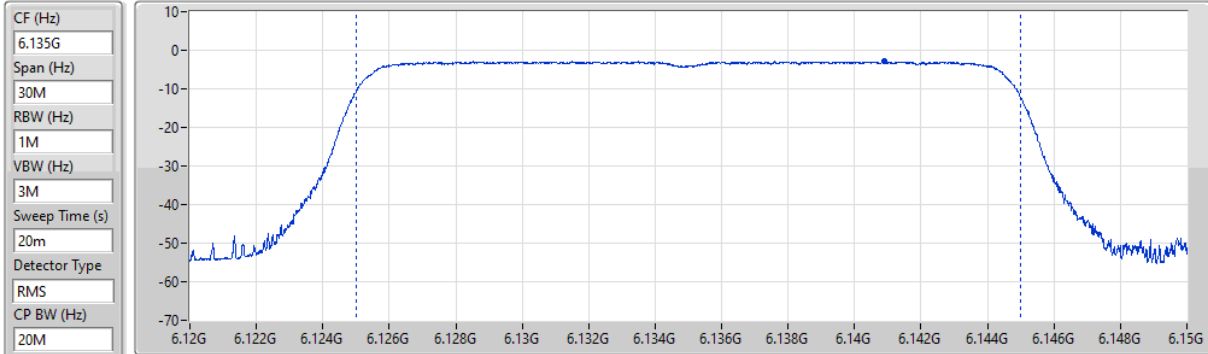
Frequency (MHz): 6135

5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_1TX

AV Power

6135MHz_TX

09/04/2026

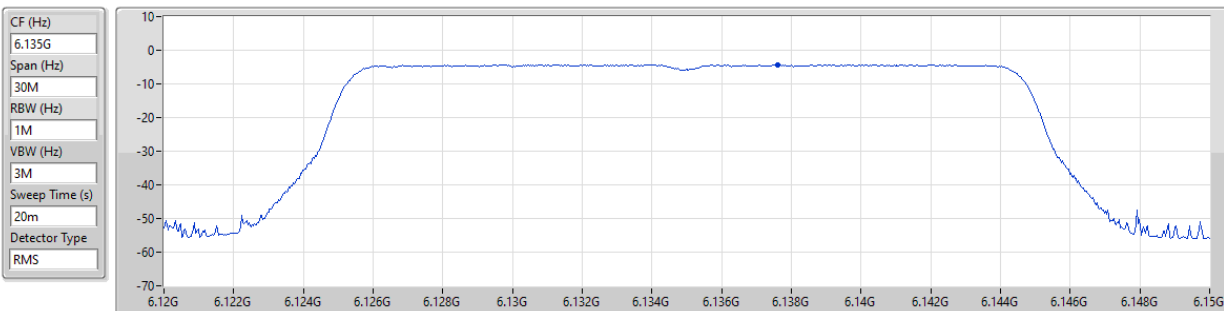


5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

6135MHz

09/04/2026



Frequency (MHz): 6055

5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_1TX

AV Power

6055MHz_TX

09/04/2026

CF (Hz)
6.055G

Span (Hz)
30M

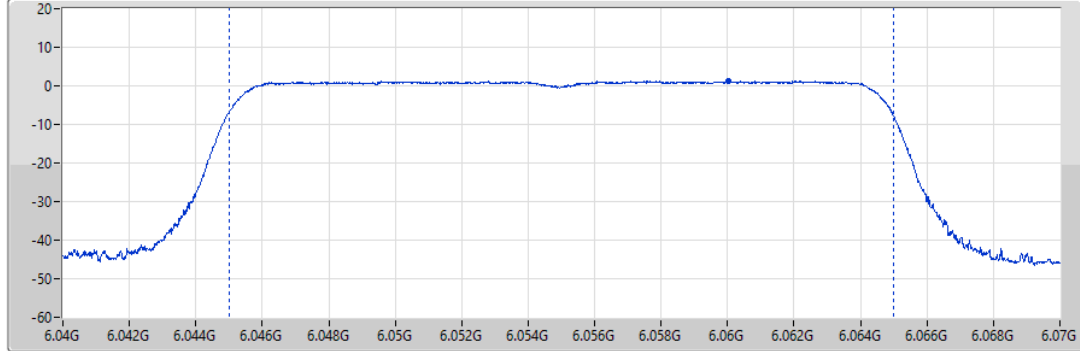
RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS

CP BW (Hz)
20M



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
13.29	13.29

5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

6055MHz

09/04/2026

CF (Hz)
6.055G

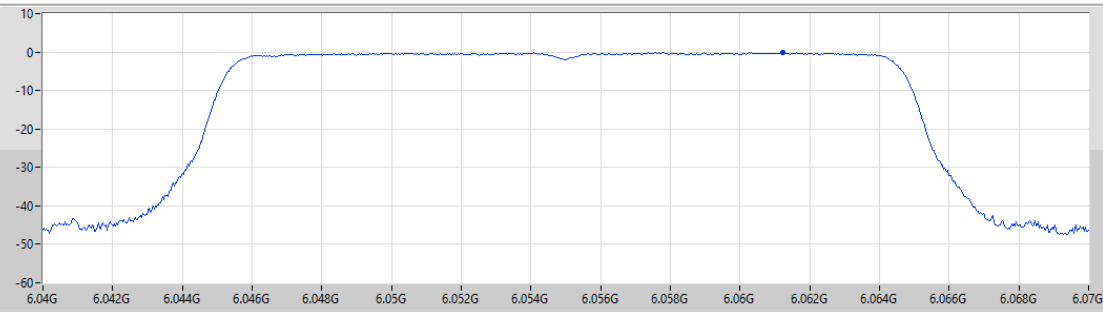
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

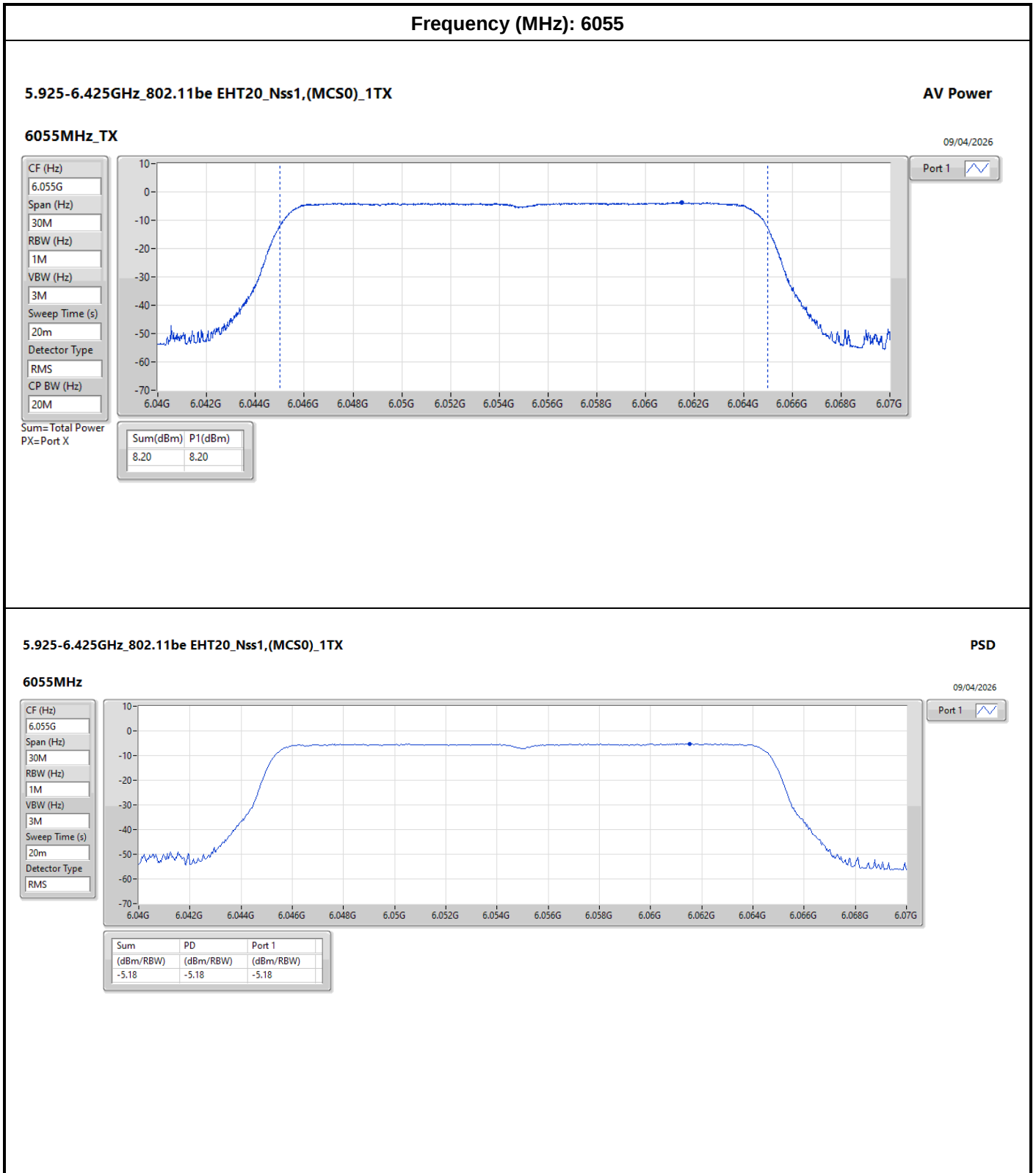
Sweep Time (s)
20m

Detector Type
RMS



Port 1

Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)
-0.12	-0.12	-0.12



CT_AFC_SP_AP_AFCDUAU34_Channel_10624_1

Bandwidth: 20MHz

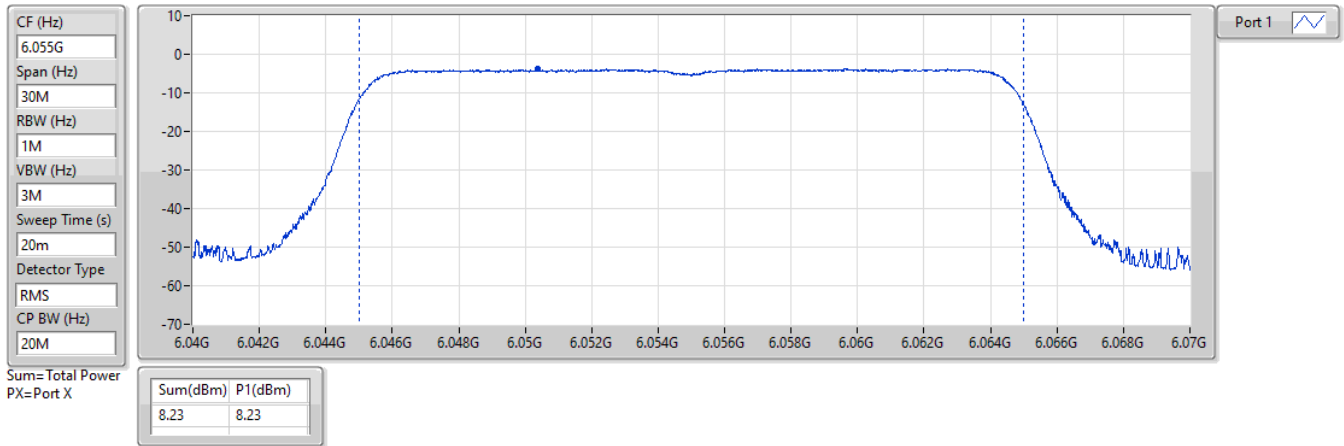
Frequency (MHz): 6055

5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_1TX

AV Power

6055MHz_TX

09/04/2026

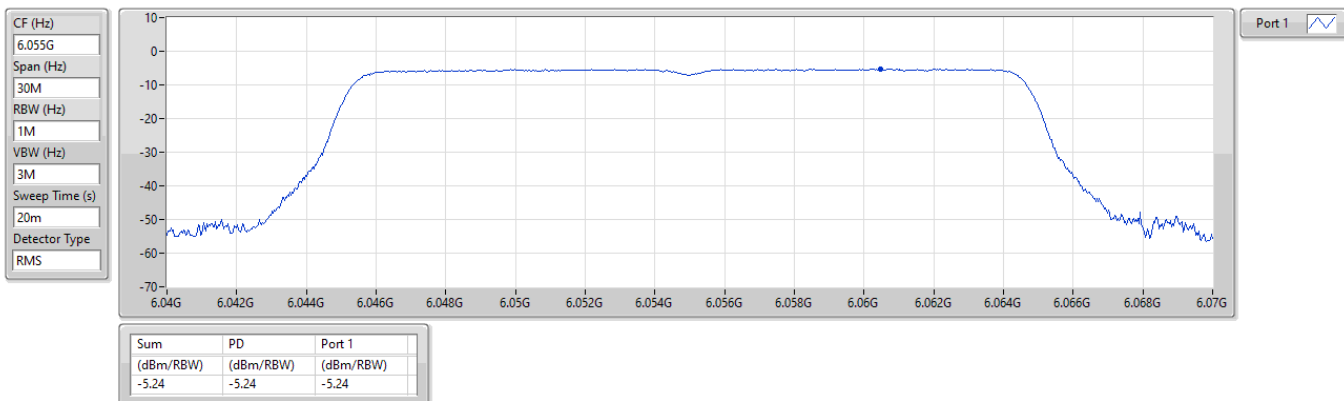


5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

6055MHz

09/04/2026



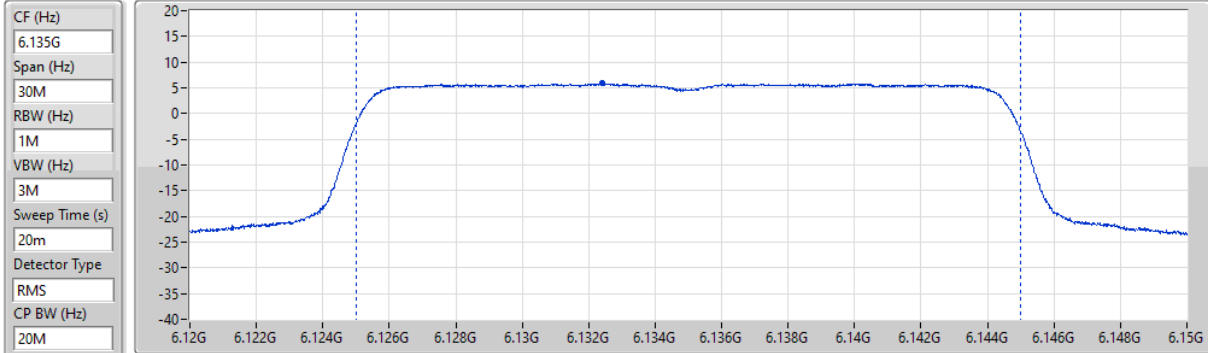
Frequency (MHz): 6135

5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_1TX

AV Power

6135MHz_TX

09/04/2026



Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
17.92	17.92

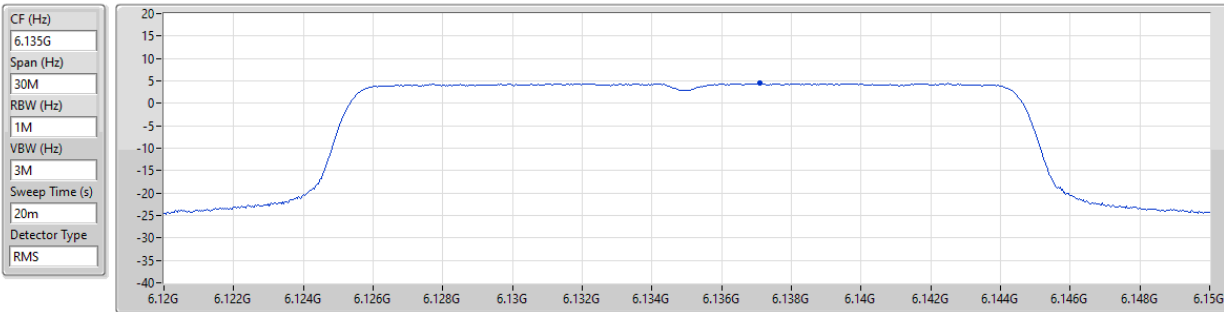
Port 1

5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

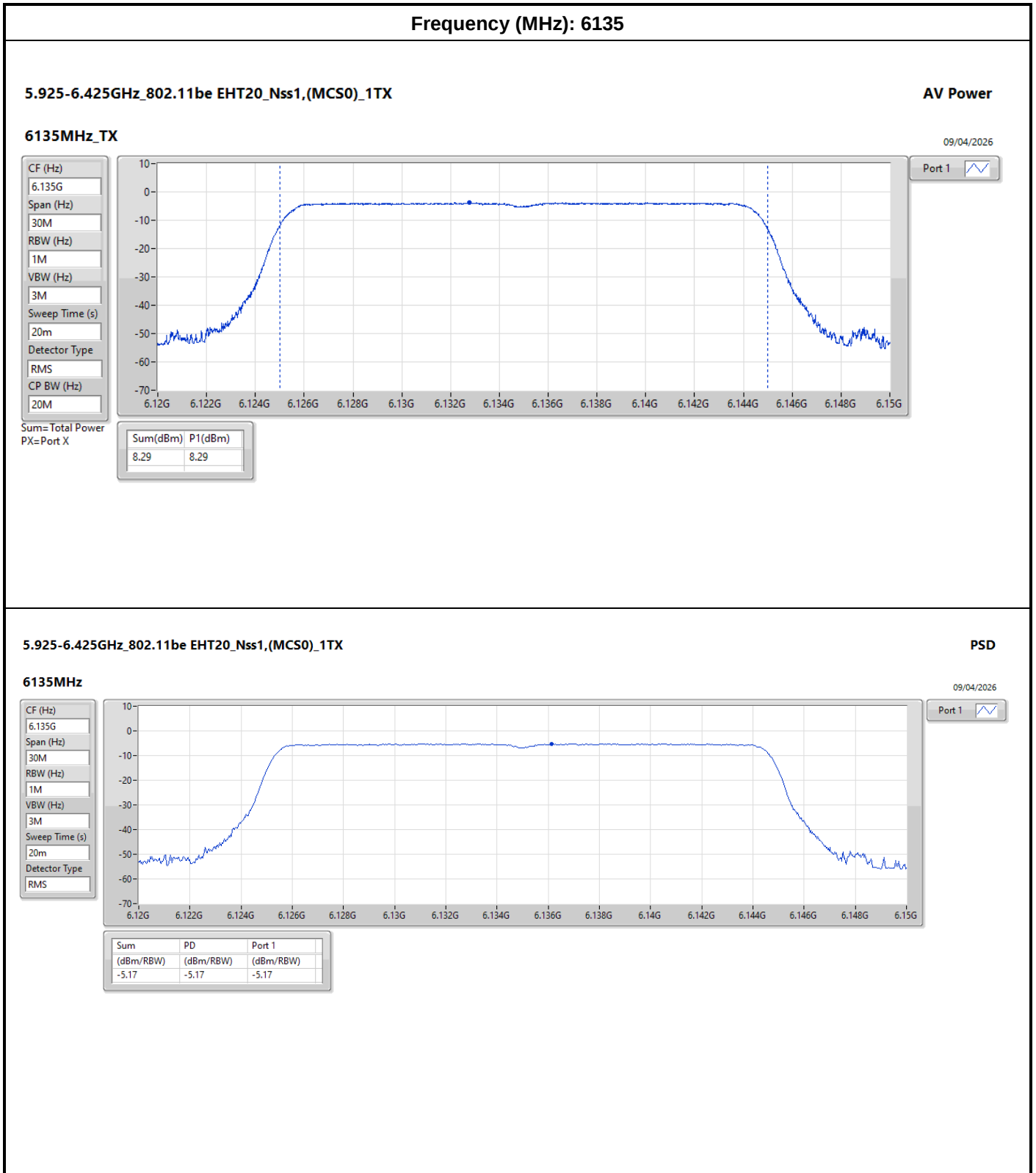
6135MHz

09/04/2026



Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)
4.44	4.44	4.44

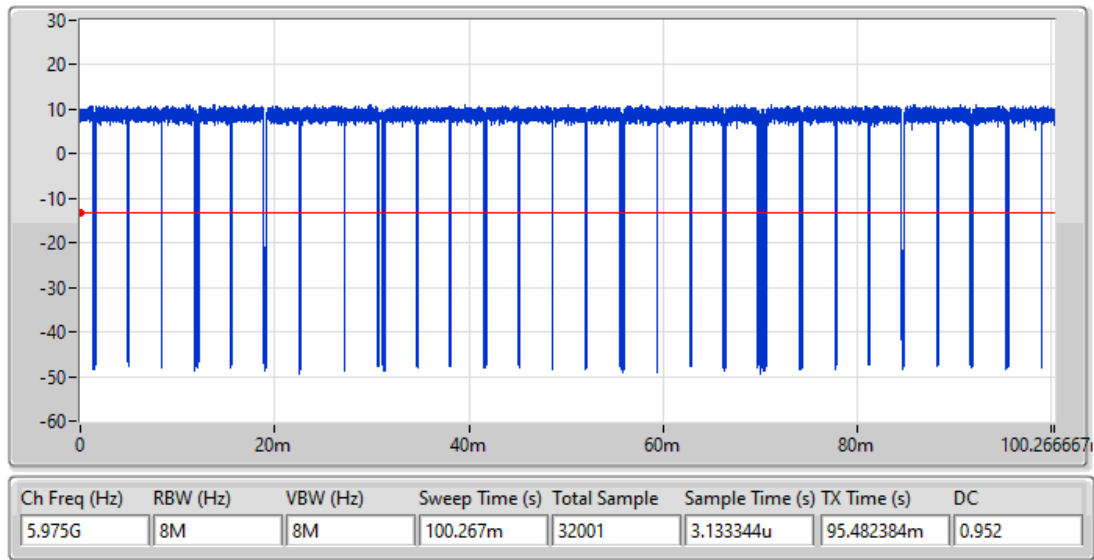
Port 1



Duty Cycle

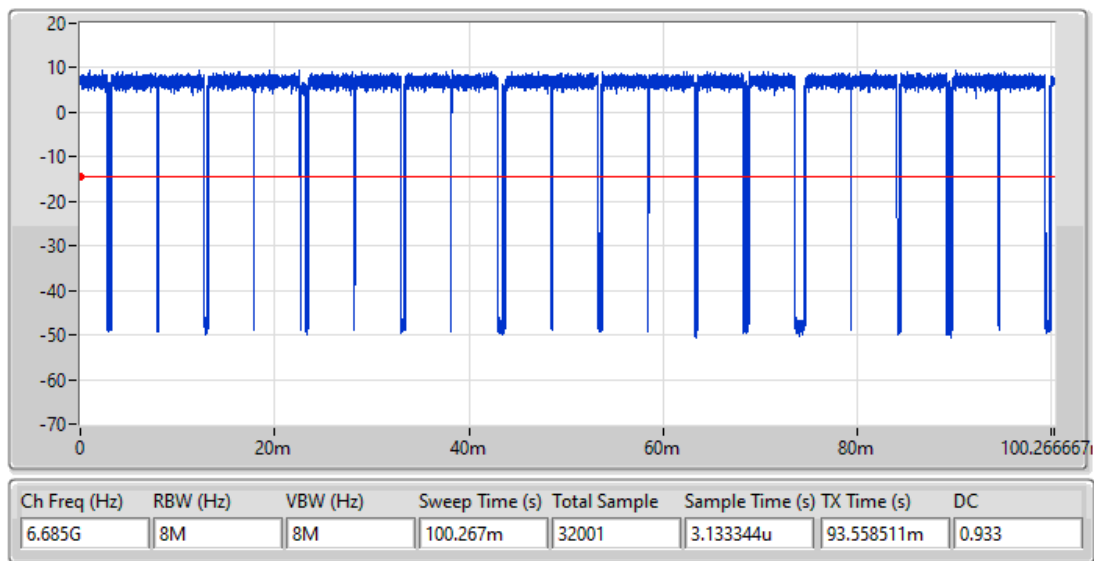
Bandwidth: 20MHz

DC;be20;BWch:20



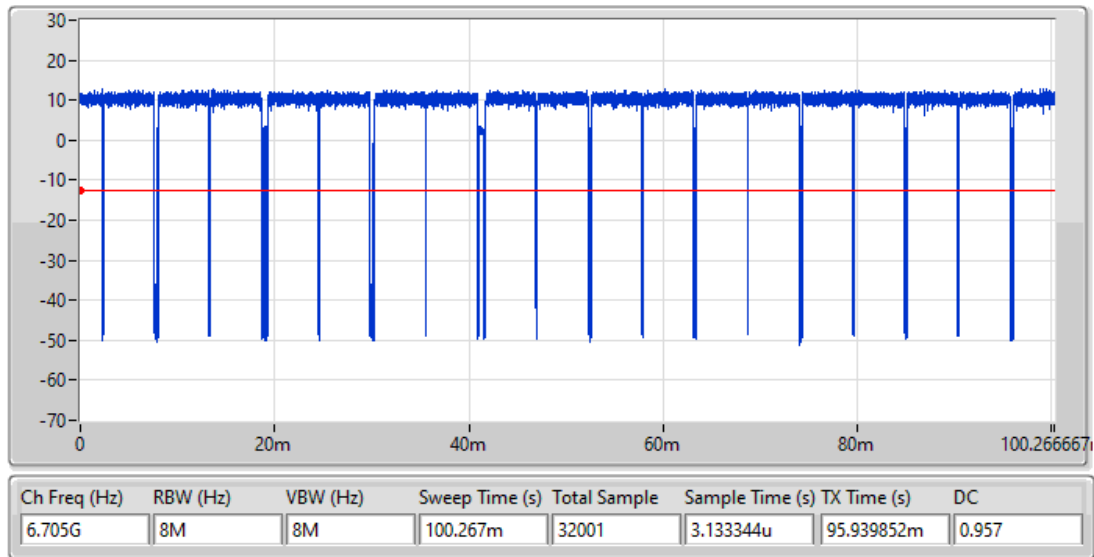
Bandwidth: 40MHz

DC;be40;BWch:40



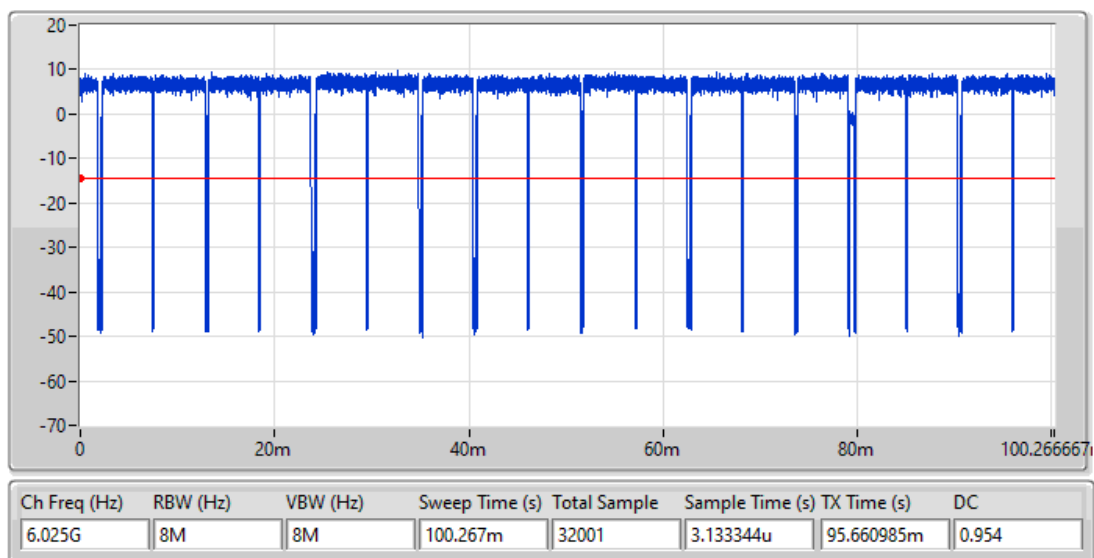
Bandwidth: 80MHz

DC;be80;BWch:80



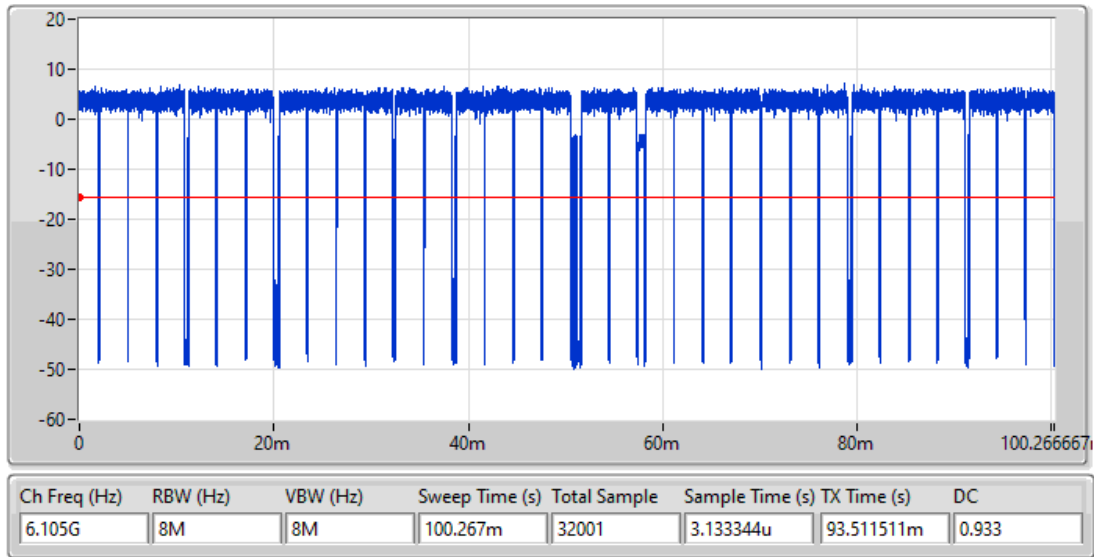
Bandwidth: 160MHz

DC;be160;BWch:160



Bandwidth: 320MHz

DC;be320;BWch:320



AFC capability - Inquired Channel

AFCD.RSA: Successful registration and spectrum access request							
Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Antenna Gain (dBi)	Power (dBm)	EIRP (dBm)	AFC Response Limit (dBm)	Result
6375	SP	20	11.57	7.02	18.59	31.70	Pass
6695	SP	20	11.57	7.40	18.97	32.20	Pass
6105	SP	320	11.57	8.10	19.67	31.20	Pass
-	OFF	320	-	-	-	26.20	-

AFC capability - Inquired Channel

CT_AFC_SP_AP_AFCRSA31_Channel_20MHz_10618_1

Frequency (MHz): 6375

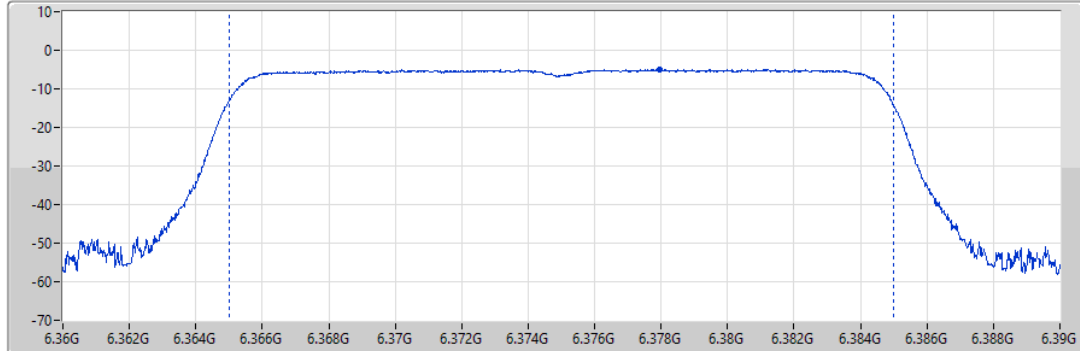
5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_1TX

AV Power

6375MHz_TX

07/04/2026

CF (Hz)
6.375G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS
CP BW (Hz)
20M



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
7.02	7.02

Frequency (MHz): 6695

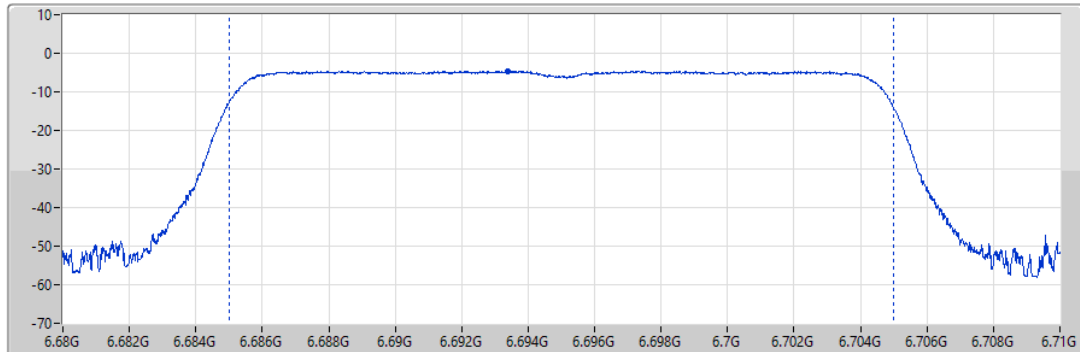
6.525-6.875GHz_802.11be EHT20_Nss1,(MCS0)_1TX

AV Power

6695MHz_TX

07/04/2026

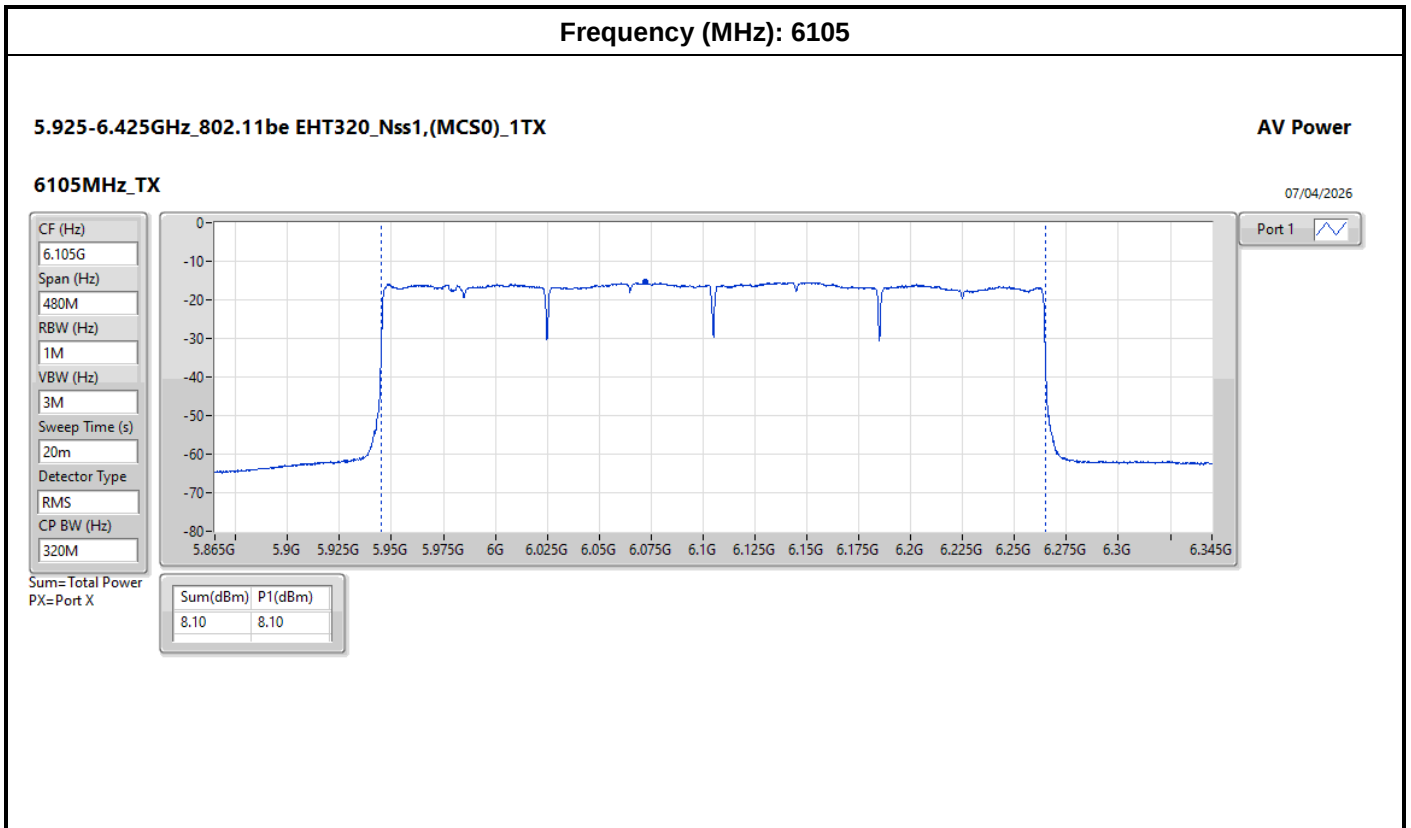
CF (Hz)
6.695G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS
CP BW (Hz)
20M



Port 1

Sum=Total Power
PX=Port X

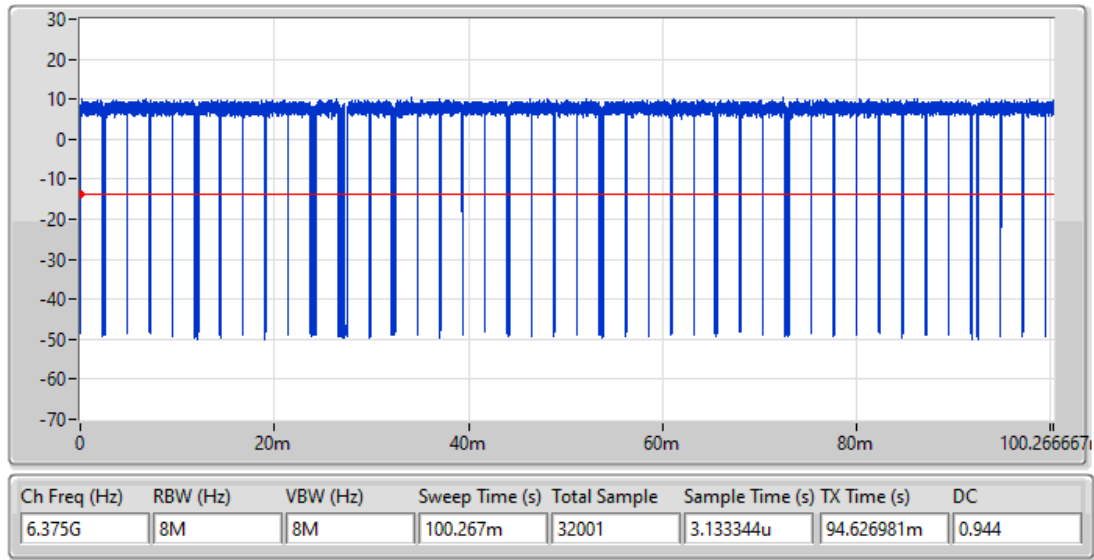
Sum(dBm)	P1(dBm)
7.40	7.40



Duty Cycle

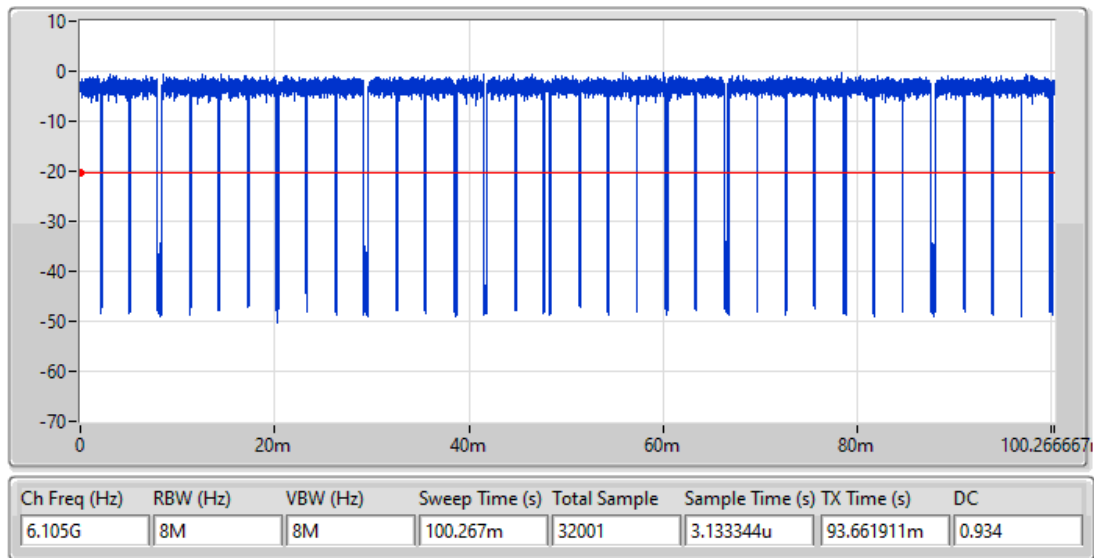
Bandwidth: 20MHz

DC;be20;BWch:20



Bandwidth: 320MHz

DC;be320;BWch:320



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

Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Antenna Gain (dBi)	Power (dBm)	EIRP (dBm)	AFC Response Limit (dBm)	Result
6135	SP	20	11.57	5.87	17.44	26.80	Pass
6695	SP	20	13.98	9.41	23.39	28.20	Pass
6045	SP	40	11.57	4.10	15.67	24.10	Pass
6685	SP	40	13.98	6.80	20.78	25.90	Pass
6305	SP	80	11.57	8.53	20.10	28.90	Pass
6785	SP	80	13.98	9.43	23.41	29.80	Pass
6665	SP	160	13.98	13.41	27.39	31.20	Pass
6185	SP	160	11.57	10.63	22.20	31.50	Pass

AFCD.SAU: Successful spectrum access update

Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Antenna Gain (dBi)	Power (dBm)	EIRP (dBm)	AFC Response Limit (dBm)	Result
6675	SP	20	13.98	5.53	19.51	25.00	Pass
6775	SP	20	13.98	-4.02	9.96	22.40	Pass

AFCD.UAU: Unsuccessful spectrum access update

Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Antenna Gain (dBi)	Power (dBm)	EIRP (dBm)	AFC Response Limit (dBm)	Result
6855	SP	20	13.98	5.73	19.71	36.00	Pass

AFC capability - Inquired Channel

CT_AFC_SP_AP_AFCRSA31_Channel_20MHz_10618_1

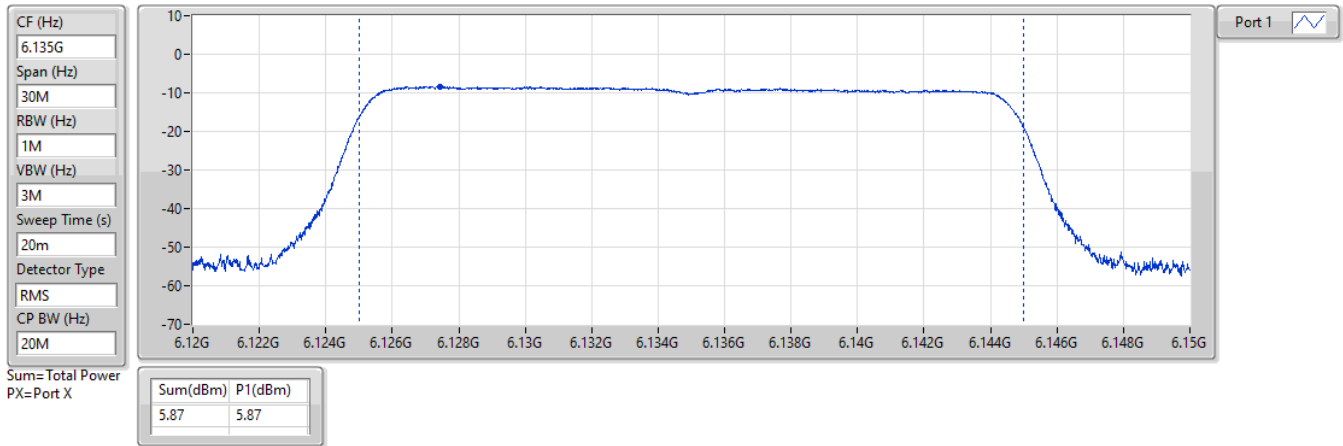
Frequency (MHz): 6135

5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_1TX

AV Power

6135MHz_TX

31/03/2026



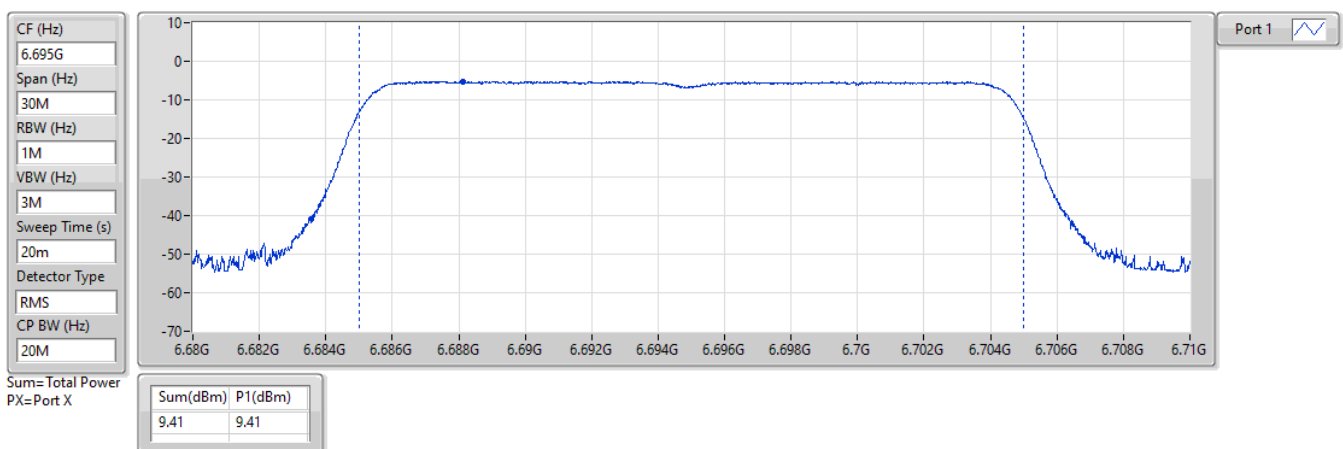
Frequency (MHz): 6695

6.525-6.875GHz_802.11be EHT20_Nss1,(MCS0)_1TX

AV Power

6695MHz_TX

31/03/2026



CT_AFC_SP_AP_AFCRSA31_Channel_40MHz_10619_1

Frequency (MHz): 6045

5.925-6.425GHz_802.11be EHT40_Nss1,(MCS0)_1TX

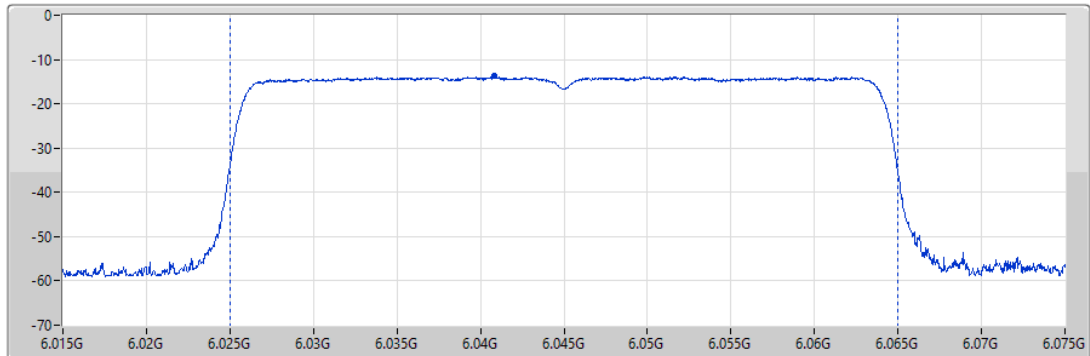
AV Power

6045MHz_TX

31/03/2026

CF (Hz)
6.045G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS
CP BW (Hz)
40M

Sum=Total Power
PX=Port X



Port 1

Sum(dBm)	P1(dBm)
4.10	4.10

Frequency (MHz): 6685

6.525-6.875GHz_802.11be EHT40_Nss1,(MCS0)_1TX

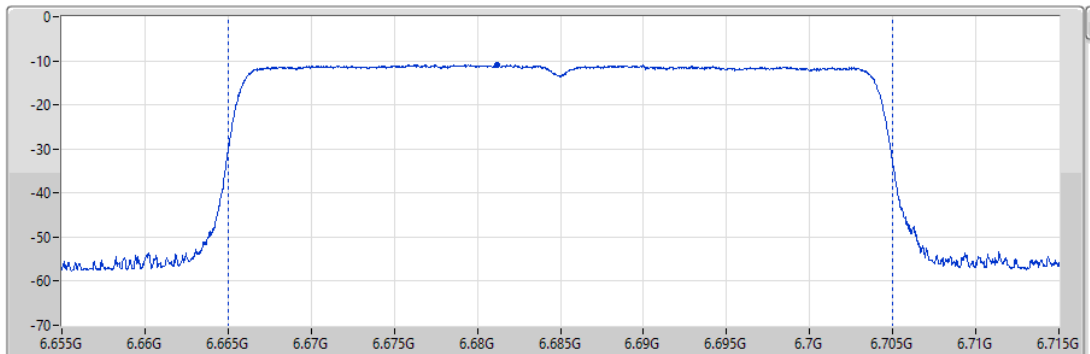
AV Power

6685MHz_TX

31/03/2026

CF (Hz)
6.685G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS
CP BW (Hz)
40M

Sum=Total Power
PX=Port X



Port 1

Sum(dBm)	P1(dBm)
6.80	6.80

CT_AFC_SP_AP_AFCRSA31_Channel_80MHz_10620_1

Frequency (MHz): 6305

5.925-6.425GHz_802.11be EHT80_Nss1,(MCS0)_1TX

AV Power

6305MHz_TX

31/03/2026

CF (Hz)
6.305G

Span (Hz)
120M

RBW (Hz)
1M

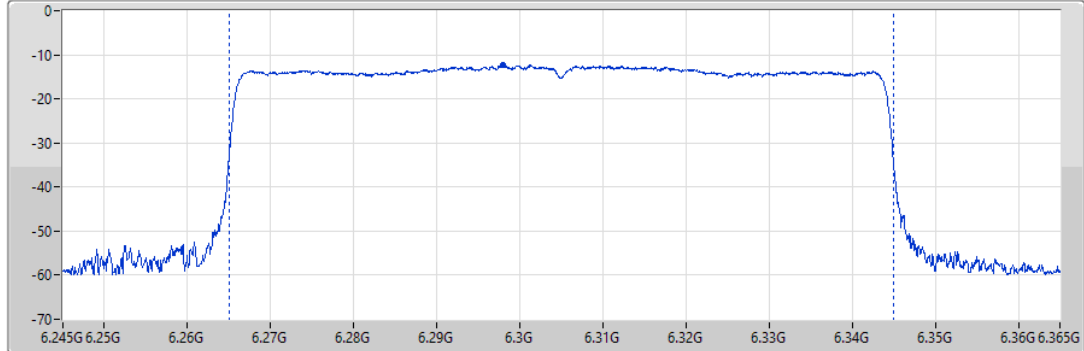
VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS

CP BW (Hz)
80M

Sum=Total Power
PX=Port X



Port 1

Sum(dBm)	P1(dBm)
8.53	8.53

Frequency (MHz): 6785

6.525-6.875GHz_802.11be EHT80_Nss1,(MCS0)_1TX

AV Power

6785MHz_TX

31/03/2026

CF (Hz)
6.785G

Span (Hz)
120M

RBW (Hz)
1M

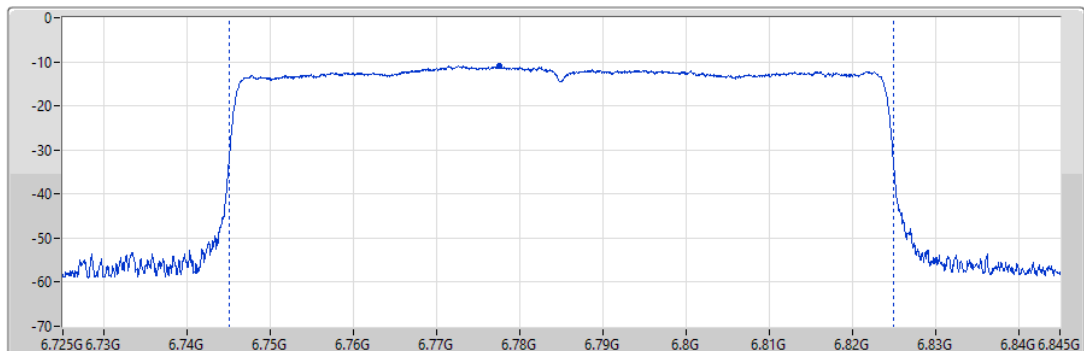
VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS

CP BW (Hz)
80M

Sum=Total Power
PX=Port X



Port 1

Sum(dBm)	P1(dBm)
9.43	9.43

CT_AFC_SP_AP_AFCDRSA31_Channel_160MHz_10621_1

Frequency (MHz): 6665

6.525-6.875GHz_802.11be EHT160_Nss1,(MCS0)_1TX

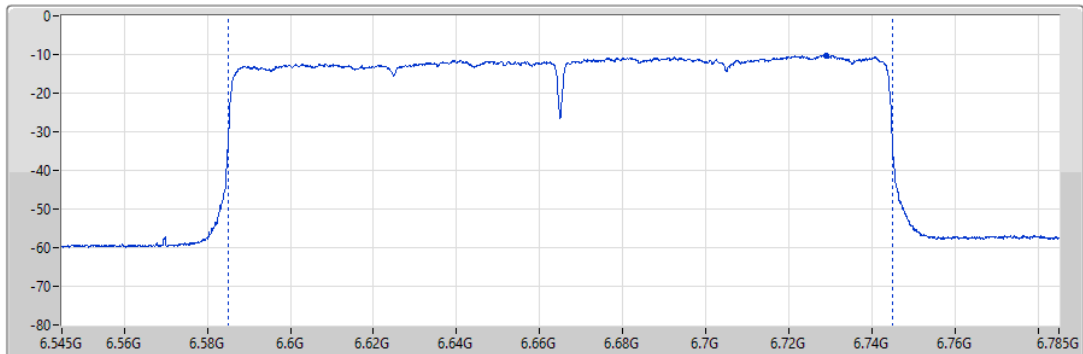
AV Power

6665MHz_TX

31/03/2026

CF (Hz)
6.665G
Span (Hz)
240M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS
CP BW (Hz)
160M

Sum=Total Power
PX=Port X



Port 1

Sum(dBm)	P1(dBm)
13.41	13.41

Frequency (MHz): 6185

5.925-6.425GHz_802.11be EHT160_Nss1,(MCS0)_1TX

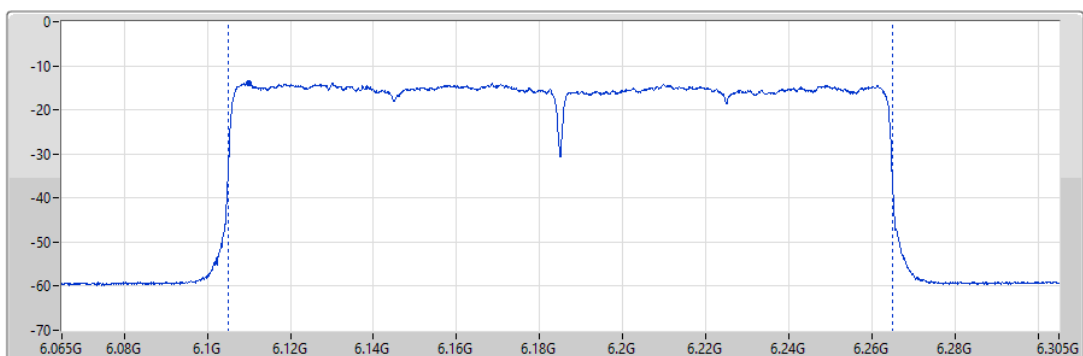
AV Power

6185MHz_TX

31/03/2026

CF (Hz)
6.185G
Span (Hz)
240M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS
CP BW (Hz)
160M

Sum=Total Power
PX=Port X



Port 1

Sum(dBm)	P1(dBm)
10.63	10.63

CT_AFC_SP_AP_AFCDRSA31_Channel_320MHz_10714_1

Bandwidth: 320MHz

Frequency (MHz): 6105

5.925-6.425GHz_802.11be EHT320_Nss1,(MCS0)_1TX

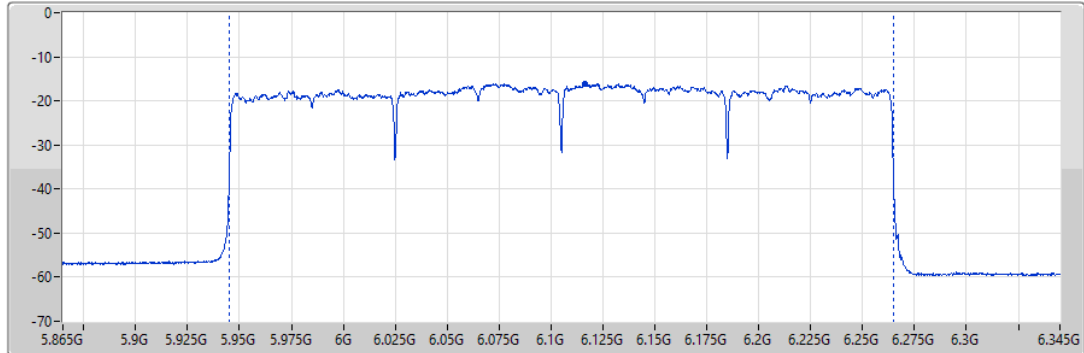
AV Power

6105MHz_TX

31/03/2026

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

Sum=Total Power
PX=Port X



Port 1

Sum(dBm)	P1(dBm)
11.20	11.20

CT_AFC_SP_AP_AFCDSAU33_Channel_10623_1

Bandwidth: 20MHz

Frequency (MHz): 6675

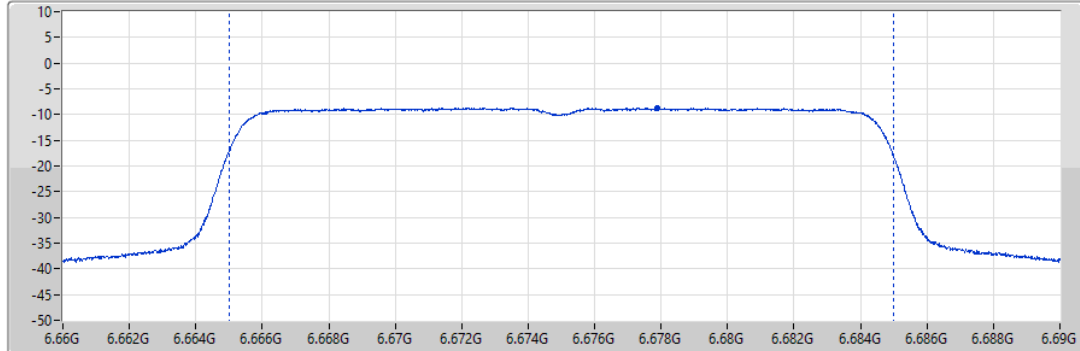
6.525-6.875GHz_802.11be EHT20_Nss1,(MCS0)_1TX

AV Power

6675MHz_TX

31/03/2026

CF (Hz)
6.675G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS
CP BW (Hz)
20M



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
5.53	5.53

Frequency (MHz): 6775

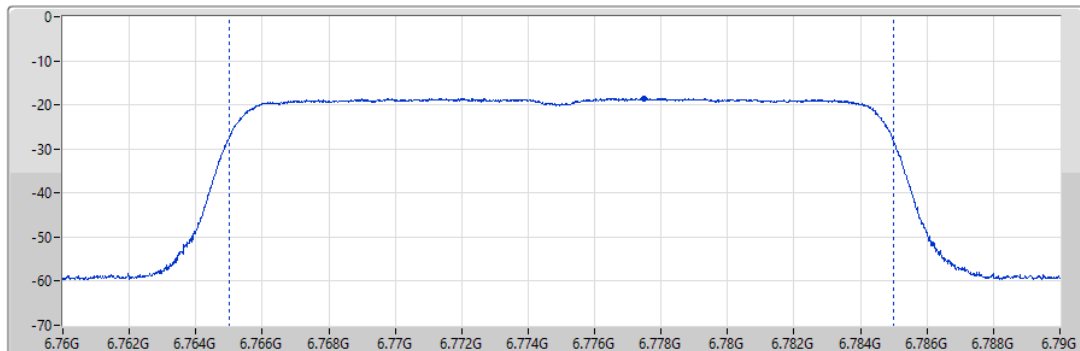
6.525-6.875GHz_802.11be EHT20_Nss1,(MCS0)_1TX

AV Power

6775MHz_TX

31/03/2026

CF (Hz)
6.775G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS
CP BW (Hz)
20M



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
-4.02	-4.02

CT_AFC_SP_AP_AFCDUAU34_Channel_10624_1

Bandwidth: 20MHz

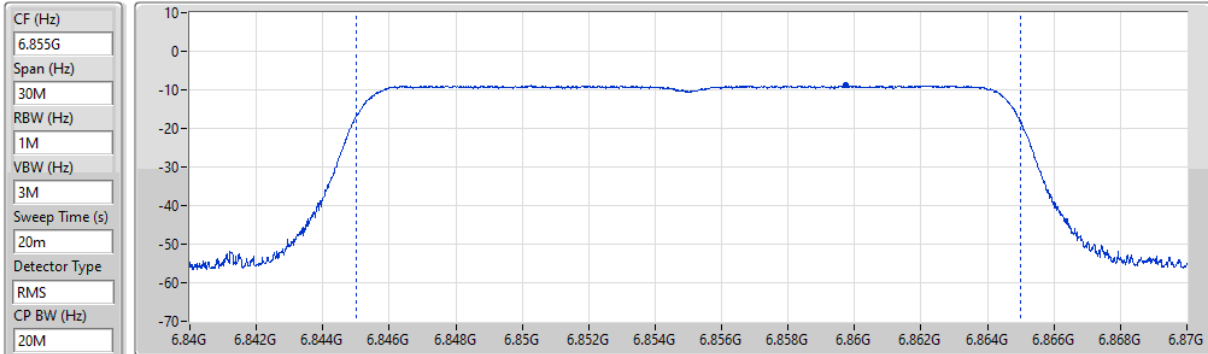
Frequency (MHz): 6855

6.525-6.875GHz_802.11be EHT20_Nss1,(MCS0)_1TX

AV Power

6855MHz_TX

31/03/2026



Sum=Total Power
 PX=Port X

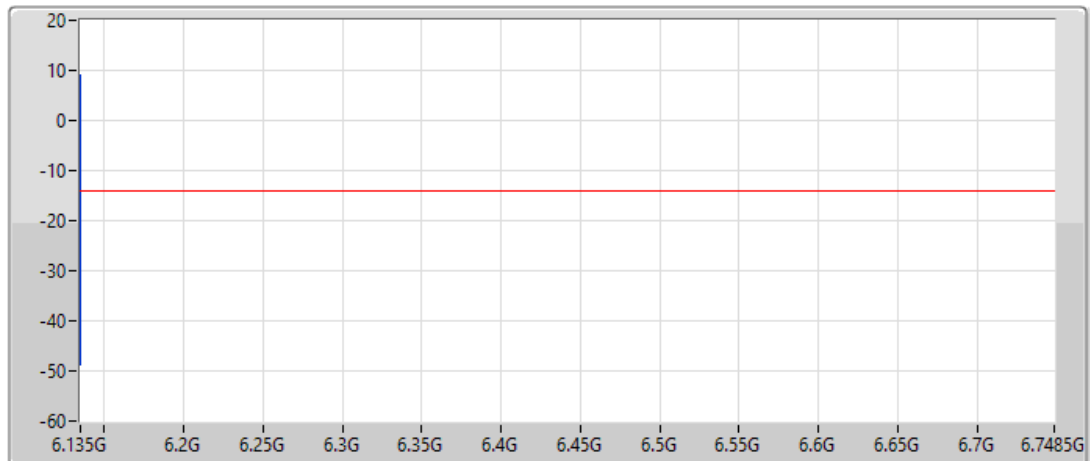
Sum(dBm)	P1(dBm)
5.73	5.73

Port 1

Duty Cycle

Bandwidth: 20MHz

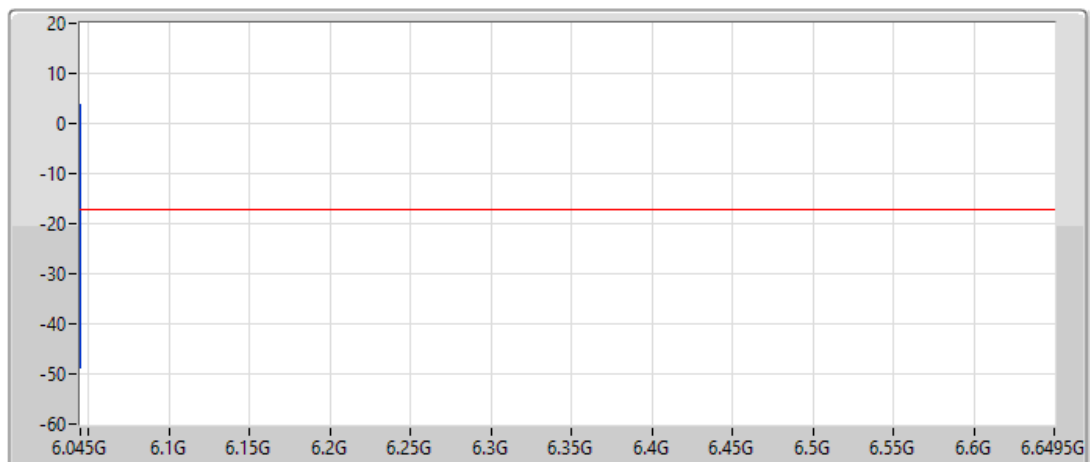
DC;be20;BWch:20



Ch Freq (Hz)	RBW (Hz)	VBW (Hz)	Sweep Time (s)	Total Sample	Sample Time (s)	TX Time (s)	DC
6.135G	10M	10M	100m	30001	3.333333u	95.033333m	0.95

Bandwidth: 40MHz

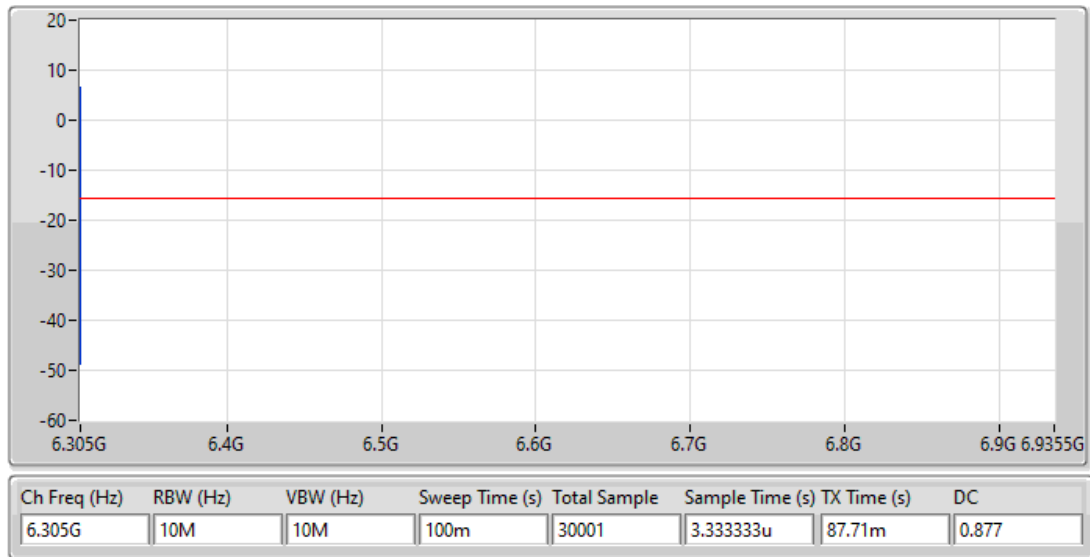
DC;be40;BWch:40



Ch Freq (Hz)	RBW (Hz)	VBW (Hz)	Sweep Time (s)	Total Sample	Sample Time (s)	TX Time (s)	DC
6.045G	10M	10M	100m	30001	3.333333u	93.446667m	0.934

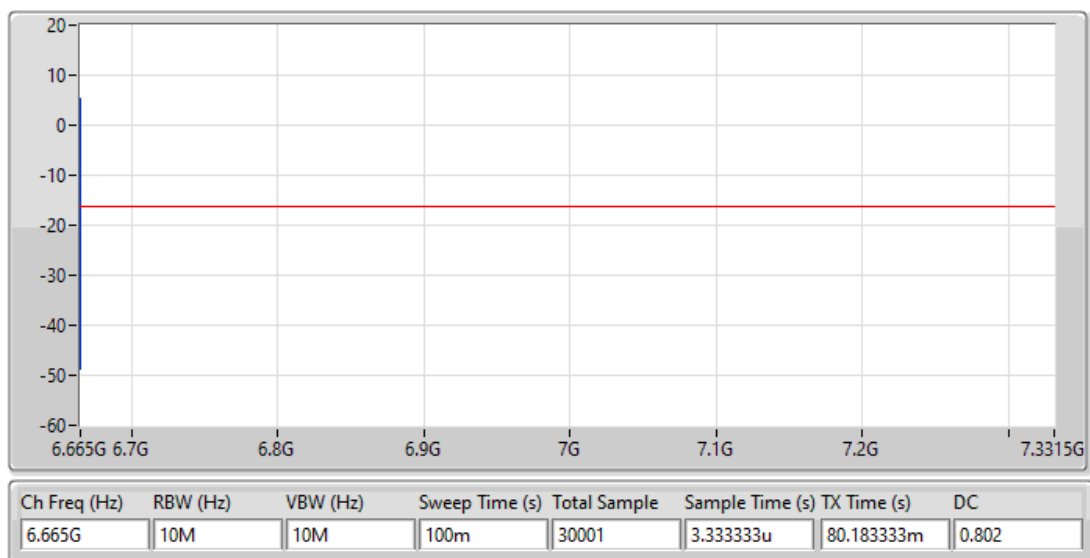
Bandwidth: 80MHz

DC;be80;BWch:80



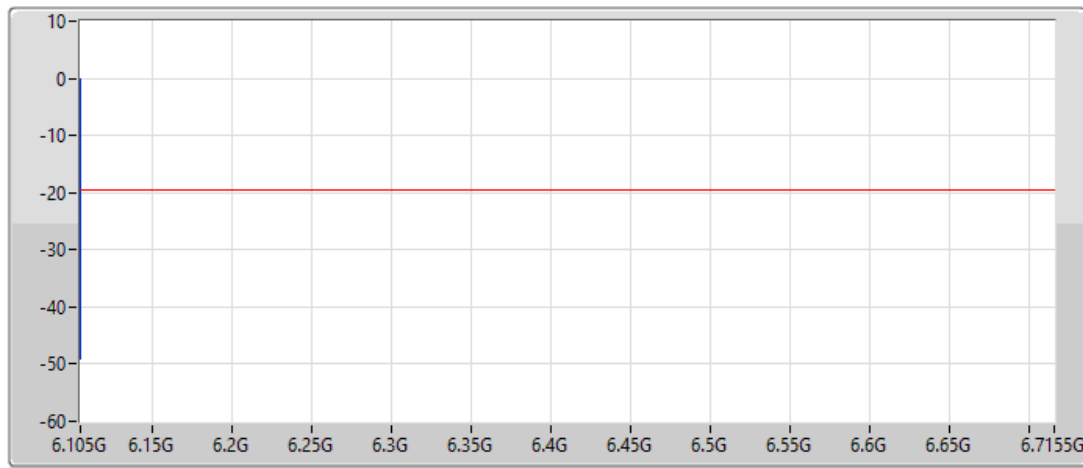
Bandwidth: 160MHz

DC;be160;BWch:160



Bandwidth: 320MHz

DC;be320;BWch:320



Ch Freq (Hz)	RBW (Hz)	VBW (Hz)	Sweep Time (s)	Total Sample	Sample Time (s)	TX Time (s)	DC
6.105G	10M	10M	100m	30001	3.333333u	75.78m	0.758

——THE END——