



AFC DUT TEST HARNESS REPORT

FCC ID : UDX-600216020

Equipment : Cisco Wireless 9179F Series Wi-Fi 7 Access Point

Brand Name : CISCO

Model Name : CW9179F

Applicant : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA

Manufacturer : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA

Standard : 47 CFR FCC Part 15.407

The product was received on Dec. 18, 2024, and testing was started from Jun. 02, 2025 and completed on Jun. 04, 2025. 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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Photographs of EUT v01



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



Summary of Test Result

Report Clause	Ref Std. Clause	Test Case Name	Result (PASS/FAIL)	Remark
AFC capability - Inquired Frequency				
Test Group: Inquired Frequency - Always				
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Frequency_20MHz_10611_1	PASS	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Frequency_40MHz_10612_1	PASS	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Frequency_80MHz_10613_1	PASS	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Frequency_160MHz_10614_1	PASS	-
3.2	3.2.4	CT_AFC_SP_AP_AFCDUSA32_Frequency_10615_1	PASS	-
3.3	3.3.4	CT_AFC_SP_AP_AFCDSAU33_Frequency_10616_1	PASS	-
3.4	3.4.4	CT_AFC_SP_AP_AFCDUUAU34_Frequency_10617_1	PASS	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Frequency_320MHz_10713_1	PASS	-
AFC capability - Inquired Channel				
Test Group: Inquired Channel - Always				
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Channel_20MHz_10618_1	N/A	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Channel_40MHz_10619_1	N/A	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Channel_80MHz_10620_1	N/A	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Channel_160MHz_10621_1	N/A	-
3.2	3.2.4	CT_AFC_SP_AP_AFCDUSA32_Channel_10622_1	N/A	-
3.3	3.3.4	CT_AFC_SP_AP_AFCDSAU33_Channel_10623_1	N/A	-
3.4	3.4.4	CT_AFC_SP_AP_AFCDUUAU34_Channel_10624_1	N/A	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Channel_320MHz_10714_1	N/A	-
AFC capability - Inquired Frequency & Channel				
Test Group: Inquired Frequency and Channel - Always				
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_20MHz_10625_1	N/A	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_40MHz_10626_1	N/A	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_80MHz_10627_1	N/A	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1	N/A	-
3.2	3.2.4	CT_AFC_SP_AP_AFCDUSA32_FrequencyChannel_10629_1	N/A	-
3.3	3.3.4	CT_AFC_SP_AP_AFCDSAU33_FrequencyChannel_10630_1	N/A	-
3.4	3.4.4	CT_AFC_SP_AP_AFCDUUAU34_FrequencyChannel_10631_1	N/A	-
3.1	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/manufacturee 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: Sophia Shiung



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature of Equipment Under Test	
Power Type	From PoE
EUT Type	☒ Standard Power Access Point with Proxy ☐ Standard Power Access Point without Proxy ☐ Fixed Client with Proxy ☐ Fixed Client without Proxy
Bandwidth (MHz)	20 / 40 / 80 / 160 / 320
Condition of EUT	☐ Indoor ☒ Outdoor
Professional Installation	☒ Yes ☐ No
Firmware Version	32-1-1-202505200130-G37093d5ccc18-rel-sand
Software Version	r32
Hardware Version	meraki_CW79 0000000000
Proxy Firmware Version	N/A
Proxy Software Version	609993
Proxy Hardware Version	N/A

Note: The above information was declared by manufacturer.



1.2 Antenna Information

<Internal Antenna>

Ant.	Brand	Model Name	Antenna Type	Connector	Support
1	WNC	57XPAD15.LAU	Dipole	U.FL	Radio 1
2	WNC	57XPAD15.MAU	Dipole	U.FL	
3	WNC	57XPAD15.AAU	Dipole	U.FL	
4	WNC	57XPAD15.BAU	Dipole	U.FL	Radio 2
5	WNC	57XPAD15.CAU	Dipole	U.FL	
6	WNC	57XPAD15.DAU	Dipole	U.FL	
7	WNC	57XPAD15.HAU	Dipole	U.FL	Radio 3
8	WNC	57XPAD15.HAU	Dipole	U.FL	
9	WNC	57XPAD15.IAU	Dipole	U.FL	
10	WNC	57XPAD15.IAU	Dipole	U.FL	Radio 4
11	WNC	57XPAD15.JAU	Dipole	U.FL	
12	WNC	57XPAD15.JAU	Dipole	U.FL	
13	WNC	57XPAD15.KAU	Dipole	U.FL	Radio 5
14	WNC	57XPAD15.KAU	Dipole	U.FL	
15	WNC	57XPAD15.EAU	Dipole	U.FL	
16	WNC	57XPAD15.EAU	Dipole	U.FL	Radio 6
17	WNC	57XPAD15.FAU	Dipole	U.FL	
18	WNC	57XPAD15.FAU	Dipole	U.FL	
19	WNC	57XPAD15.NAU	Loop	U.FL	Radio 7
20	WNC	57XPAD15.PAU	PIFA	U.FL	
21	WNC	57XPAD15.0DG	PIFA	U.FL	
22	WNC	57XPAD15.OAU	Patch	U.FL	Radio 8
23	WNC	57XPAD15.OAU	Patch	U.FL	

Ant.	Port	Gain (dBi)					Support
		WLAN 2.4GHz	WLAN 5GHz		WLAN 6GHz		
			UNII 1~2A	UNII 2C~3	UNII 5	UNII 7	
1	1	3.7	4.9	6.1	5.0	5.8	Radio 1
2	2	5.1	4.5	5.2	5.5	6.4	
3	1	5.0	-	-	-	-	
4	2	4.3	-	-	-	-	
5	3	5.1	-	-	-	-	
6	4	5.3	-	-	-	-	



Ant.	Port	Gain (dBi)					Support
		WLAN 5GHz					
		Mode	UNII 1	UNII 2A	UNII 2C	UNII 3	
7	3	Boresight	9.3	9.4	9.7	9.8	Radio 3
		Steering	9.4	9.4	10.0	10.0	
8	4	Boresight	10.3	10.3	10.6	10.2	
		Steering	10.2	10.2	10.6	10.3	
9	2	Boresight	9.6	9.9	10.3	9.9	
		Steering	9.9	9.8	10.3	10.1	
10	1	Boresight	10.4	10.6	10.7	10.4	
		Steering	10.3	10.7	10.6	10.4	

Ant.	Port	Gain (dBi)			Support
		WLAN 6GHz			
		Mode	UNII 5	UNII 7	
11	3	Narrow Beam	9.2	9.0	Radio 4
		Wide Beam	5.4	5.3	
12	4	Narrow Beam	9.2	8.7	
		Wide Beam	5.1	5.2	
13	2	Narrow Beam	10.0	9.8	
		Wide Beam	6.4	6.5	
14	1	Narrow Beam	9.8	10.1	
		Wide Beam	5.6	6.2	

Ant.	Port	Gain (dBi)						Support
		WLAN 5GHz			Bluetooth / Zigbee	UWB	GPS	
		Mode	UNII 1	UNII 2A				
15	2	Boresight	8.6	8.8	-	-	-	Radio 5
		Steering	8.5	9.0	-	-	-	
16	1	Boresight	9.4	9.4	-	-	-	
		Steering	9.4	9.4	-	-	-	
17	4	Boresight	8.7	9.3	-	-	-	
		Steering	8.8	9.2	-	-	-	
18	3	Boresight	8.5	9.0	-	-	-	
		Steering	8.5	9.0	-	-	-	
19	1	-	-	-	6.1	-	-	Radio 6
20	1	-	-	-	-	-	3.8	Radio 7
21	1	-	-	-	-	-	3.5	
22	2	-	-	-	-	8.2	-	Radio 8
23	1	-	-	-	-	8.6	-	


<External Antenna>

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Support
1	1~4	CISCO	AIR-ANT2588P4M-NS	(Panel) Dual-polarized directional	N-Female Bulkhead	Radio 2, Radio 5
2	1~4	CISCO	AIR-ANT2566D4M-R	(Patch) Dual-Band Polarization-Diverse Directional Array	RP-TNC (with coupling ring)	
3	1~4	CISCO	AIR-ANT2566D4M-RS	(Patch) Dual-Band Polarization-Diverse Directional Array	RP-TNC (with coupling ring)	
4	1~4	CISCO	AIR-ANT2566P4W-R	(Patch) 4-element dual-band MIMO	RP-TNC	
5	1~4	CISCO	AIR-ANT2566P4W-RS	(Patch) 4-element dual-band MIMO	RP-TNC	
6	1~4	CISCO	CW-ANT-T-D3-N	Dipole	RP-TNC	Radio 7
7	1	CISCO	CW-ANT-GPS1-M-00	OMNI	MMCX	

Ant.	Gain (dBi)					Support
	Pol	WLAN 2.4GHz				
		Peak Gain	Internal Cable Loss	External Cable Loss	Net Gain	
1	V-Pol*2	9.1	0.83	0.5	7.77	Radio 2
	H-Pol*2	7.1	0.83		5.77	
2~3	V-Pol*2	6	0.83	-	5.17	
	H-Pol*2	6	0.83	-	5.17	
4~5	V-Pol*4	6	0.83	-	5.17	
6	-	6	0.83	-	5.17	

Ant.	Gain (dBi)					Support
	Pol	WLAN 5GHz				
		Peak Gain	Internal Cable Loss	External Cable Loss	Net Gain	
1	V-Pol*2	9.6	1.29	0.8	7.51	Radio 5
	H-Pol*2	7.8	1.29		5.71	
2~3	V-Pol*2	6	1.29	-	4.71	
	H-Pol*2	6	1.29	-	4.71	
4~5	V-Pol*4	6	1.29	-	4.71	
6	-	7.5	1.29	-	6.21	

Ant.	Gain (dBi)	Support
	GPS	
7	5	Radio 7

Note 1: The Manufacturer declared that the internal Ant. 22~23 (Radio 8) will not function when the EUT is used.

Note 2: The above information was declared by manufacturer.

Note 3: Directional gain information

Type	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	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20} ; NSS1(g1,3) = 10^{G3/20} ; NSS1(g1,4) = 10^{G4/20}$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2 / N_{ANT}] \Rightarrow 10$$

$$\log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20} + 10^{G4/20})^2 / N_{ANT}]$$

Where;

For nonTXBF power:

Radio	Mode		Max Gain (dBi)				DG (dBi)	Remark
			G1	G2	G3	G4		
2	2.4G External	2TX	7.77	5.77	-	-	7.77	Cross-Polarized Antenna
		4TX	7.77	5.77	7.77	5.77	7.77	
	2.4G Internal	2TX	5	4.3	-	-	5	
		4TX	5	4.3	5.1	5.3	5.3	
3	5G UNII 1	2TX	10.4	9.9	-	-	10.4	
		4TX	10.4	9.9	9.4	10.3	10.4	
	5G UNII 1 (Boresight)	2TX	10.4	9.6	-	-	10.4	
		4TX	10.4	9.6	9.3	10.3	10.4	
	5G UNII 2A	2TX	10.7	9.9	-	-	10.7	
		4TX	10.7	9.9	9.4	10.3	10.7	
	5G UNII 2A (Boresight)	2TX	10.6	9.9	-	-	10.6	
		4TX	10.6	9.9	9.4	10.3	10.6	
	5G UNII 2C	2TX	10.7	10.3	-	-	10.7	
		4TX	10.7	10.3	10	10.6	10.7	
	5G UNII 2C (Boresight)	2TX	10.7	10.3	-	-	10.7	
		4TX	10.7	10.3	9.7	10.6	10.7	
	5G UNII 2C (Steering)	2TX	10.6	10.3	-	-	10.6	
		4TX	10.6	10.3	10	10.6	10.6	

Radio	Mode		Max Gain (dBi)				DG (dBi)	Remark
			G1	G2	G3	G4		
3	5G UNII 3	2TX	10.4	10.1	-	-	10.4	Cross-Polarized Antenna
		4TX	10.4	10.1	10	10.3	10.4	
	5G UNII 3 (Boresight)	2TX	10.4	9.9	-	-	10.4	
		4TX	10.4	9.9	9.8	10.2	10.4	
	5G UNII 3 (Steering)	2TX	10.4	10.1	-	-	10.4	
		4TX	10.4	10.1	10	10.3	10.4	
4	6G UNII 5 (Narrow Beam)	2TX	9.8	10	-	-	10	
		4TX	9.8	10	9.2	9.2	10	
	6G UNII 5 (Wide Beam)	2TX	5.6	6.4	-	-	6.4	
		4TX	5.6	6.4	5.4	5.1	6.4	
	6G UNII 7 (Narrow Beam)	2TX	10.1	9.8	-	-	10.1	
		4TX	10.1	9.8	9	8.7	10.1	
	6G UNII 7 (Wide Beam)	2TX	6.2	6.5	-	-	6.5	
		4TX	6.2	6.5	5.3	5.2	6.5	
5	5G UNII 1~2A External	2TX	7.51	5.71	-	-	7.51	
		4TX	7.51	5.71	7.51	5.71	7.51	
	5G UNII 1 Internal	2TX	9.4	8.6	-	-	9.4	
		4TX	9.4	8.6	8.5	8.8	9.4	
	5G UNII 1 Internal (Boresight)	2TX	9.4	8.6	-	-	9.4	
		4TX	9.4	8.6	8.5	8.7	9.4	
	5G UNII 1 Internal (Steering)	2TX	9.4	8.5	-	-	9.4	
		4TX	9.4	8.5	8.5	8.8	9.4	
	5G UNII 2A Internal	2TX	9.4	9	-	-	9.4	
		4TX	9.4	9	9	9.3	9.4	
	5G UNII 2A Internal (Boresight)	2TX	9.4	8.8	-	-	9.4	
		4TX	9.4	8.8	9	9.3	9.4	
	5G UNII 2A Internal (Steering)	2TX	9.4	9	-	-	9.4	
		4TX	9.4	9	9	9.2	9.4	

For nonTXBF PSD / TXBF power & PSD:

Radio	Mode		Max Gain (dBi)				DG (dBi)	Remark
			G1	G2	G3	G4		
2	2.4G External	2TX	5.17	5.17	-	-	8.18	-
		4TX	5.17	5.17	5.17	5.17	11.19	
	2.4G Internal	2TX	5	4.3	-	-	5	
		4TX	5	4.3	5.1	5.3	7.95	
3	5G UNII 1	2TX	10.4	9.9	-	-	10.4	Cross-Polarized Antenna
		4TX	10.4	9.9	9.4	10.3	13.02	
	5G UNII 1 (Boresight)	2TX	10.4	9.6	-	-	10.4	
		4TX	10.4	9.6	9.3	10.3	12.93	
	5G UNII 2A	2TX	10.7	9.9	-	-	10.7	
		4TX	10.7	9.9	9.4	10.3	13.11	
	5G UNII 2A (Boresight)	2TX	10.6	9.9	-	-	10.6	
		4TX	10.6	9.9	9.4	10.3	13.08	
	5G UNII 2C	2TX	10.7	10.3	-	-	10.7	
		4TX	10.7	10.3	10	10.6	13.42	
	5G UNII 2C (Boresight)	2TX	10.7	10.3	-	-	10.7	
		4TX	10.7	10.3	9.7	10.6	13.35	
	5G UNII 2C (Steering)	2TX	10.6	10.3	-	-	10.6	
		4TX	10.6	10.3	10	10.6	13.31	
	5G UNII 3	2TX	10.4	10.1	-	-	10.4	
		4TX	10.4	10.1	10	10.3	13.21	
4	6G UNII 5 (Narrow Beam)	2TX	9.8	10	-	-	10	
		4TX	9.8	10	9.2	9.2	12.57	
	6G UNII 5 (Wide Beam)	2TX	5.6	6.4	-	-	6.4	
		4TX	5.6	6.4	5.4	5.1	8.66	
	6G UNII 7 (Narrow Beam)	2TX	10.1	9.8	-	-	10.1	
		4TX	10.1	9.8	9	8.7	12.45	
	6G UNII 7 (Wide Beam)	2TX	6.2	6.5	-	-	6.5	
		4TX	6.2	6.5	5.3	5.2	8.85	
5	5G UNII 1~2A External	2TX	6.21	6.21	-	-	9.22	-
		4TX	6.21	6.21	6.21	6.21	12.23	
	5G UNII 1 Internal	2TX	9.4	8.6	-	-	9.4	Cross-Polarized Antenna
		4TX	9.4	8.6	8.5	8.8	12.19	
	5G UNII 1 Internal (Boresight)	2TX	9.4	8.6	-	-	9.4	
		4TX	9.4	8.6	8.5	8.7	11.82	
	5G UNII 1 Internal (Steering)	2TX	9.4	8.5	-	-	9.4	
		4TX	9.4	8.5	8.5	8.8	11.82	



Radio	Mode		Max Gain (dBi)				DG (dBi)	Remark
			G1	G2	G3	G4		
5	5G UNII 2A Internal	2TX	9.4	9	-	-	9.4	Cross-Polarized Antenna
		4TX	9.4	9	9	9.3	12.19	
	5G UNII 2A Internal (Boresight)	2TX	9.4	8.8	-	-	9.4	
		4TX	9.4	8.8	9	9.3	12.14	
	5G UNII 2A Internal (Steering)	2TX	9.4	9	-	-	9.4	
		4TX	9.4	9	9	9.2	12.16	

Note 4: For Ant. 11~14, only the mode with the highest antenna gain between Narrow Beam mode and Wide Beam mode from each band was selected to perform the test.

Note 5: **<Radio 1>**

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax (1TX/2RX):

Only Port 1 can be used as transmitting antenna.

Both Port 1 and 2 can be used as receiving antenna.

Port 1~2 could receive simultaneously.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax (1TX/2RX):

Only Port 1 can be used as transmitting antenna.

Both Port 1 and 2 can be used as receiving antenna.

Port 1~2 could receive simultaneously.

For 6GHz function:

For IEEE 802.11 ax (1TX/2RX):

Only Port 1 can be used as transmitting antenna.

Both Port 1 and 2 can be used as receiving antenna.

Port 1~2 could receive simultaneously.

<Radio 2>

For 2.4GHz function:

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

1TX:

Only Port 1 can be used as transmitting antenna.

2TX:

Both Port 1 and 2 can be used as transmitting antenna.

Port 1~2 could transmit simultaneously.

4TX:

Port 1~4 can be used as transmitting antenna.

Port 1~4 could transmit simultaneously.

4RX:

Port 1~4 can be used as receiving antenna.

Port 1~4 could receive simultaneously.

**<Radio 3>****For 5GHz function:****For IEEE 802.11 a/n/ac/ax/be (1TX, 2TX, 4TX/4RX):****1TX:**

Only Port 1 can be used as transmitting antenna.

2TX:

Both Port 1 and 2 can be used as transmitting antenna.

Port 1~2 could transmit simultaneously.

4TX:

Port 1~4 can be used as transmitting antenna.

Port 1~4 could transmit simultaneously.

4RX:

Port 1~4 can be used as receiving antenna.

Port 1~4 could receive simultaneously.

<Radio 4>**For 6GHz function:****For IEEE 802.11 ax/be (1TX, 2TX, 4TX/4RX):****1TX:**

Only Port 1 can be used as transmitting antenna.

2TX:

Both Port 1 and 2 can be used as transmitting antenna.

Port 1~2 could transmit simultaneously.

4TX:

Port 1~4 can be used as transmitting antenna.

Port 1~4 could transmit simultaneously.

4RX:

Port 1~4 can be used as receiving antenna.

Port 1~4 could receive simultaneously.

<Radio 5>**For 5GHz function:****For IEEE 802.11 a/n/ac/ax/be (1TX, 2TX, 4TX/4RX):****1TX:**

Only Port 1 can be used as transmitting antenna.

2TX:

Both Port 1 and 2 can be used as transmitting antenna.

Port 1~2 could transmit simultaneously.

4TX:

Port 1~4 can be used as transmitting antenna.

Port 1~4 could transmit simultaneously.

4RX:

Port 1~4 can be used as receiving antenna.

Port 1~4 could receive simultaneously.

<Radio 6>**For Bluetooth function (1TX/1RX):**

Only Port 1 can be used as transmitting/receiving antenna.

For Zigbee function (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

<Radio 7>
For GPS function (1RX):

The EUT supports the antenna with RX diversity functions.

Internal Ant. 20~21 and external Ant. 7 can be used as receiving antenna, but only one of them will be used at one time.

1.3 Table for Multiple Listing

Equipment Name	Model Name	BW of 5G Mode (MHz)	Radio 3	SW	Frequencies supported by 320MHz (MHz)
Cisco Wireless 9179F Series Wi-Fi 7 Access Point	CW9179F	20/40/80/160	UNII 1~3/ UNII 2C~3	Cisco	Not Support
		20/40/80	UNII 2C~3	Meraki	6105

Note 1: For above table list, only SW Meraki was tested and recorded in this report.

Note 2: The above information was declared by manufacturer.

1.4 Table for EUT Support Function

Function	Supports Band
AP	2.4GHz, 5GHz UNII 1~3, 6GHz UNII 5&7, Bluetooth, Zigbee and GPS
Mesh	6GHz UNII 5&7

Note: The above information was declared by manufacturer.

1.5 Table for Radio Function

Function Radio (R)	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	Bluetooth	Zigbee	UWB	GPS
R1 (Scanning Radio)	✓	✓ (UNII 1~3)	✓	-	-	-	-
R2	✓	-	-	-	-	-	-
R3	-	✓ (Note 1) (Full band: UNII 1~3) (High band: UNII 2C~3)	-	-	-	-	-
R4	-	-	✓	-	-	-	-
R5	-	✓ (Low band: UNII 1~2A)	-	-	-	-	-
R6	-	-	-	✓	✓	-	-
R7	-	-	-	-	-	-	✓
R8	-	-	-	-	-	Unable to use	-

Note 1: For R3, the full band mode supports Boresight mode only, and the high band mode supports both Boresight mode and Steering mode.

Note 2: For WLAN 2.4GHz, R1 and R2 can't operate at the same frequency simultaneously.

For WLAN 5GHz, R1, R3 and R5 can't operate at the same frequency simultaneously.

For WLAN 6GHz, R1 and R4 can't operate at the same frequency simultaneously.

Note 3: The above information was declared by manufacturer.



1.6 Accessories

Solar shield*1 (Optional)

Bracket*1 (Optional)

Bay cover*1

Rubber gland*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	PHIHONG	POEA33U-1ATE	N/A

Note: The PoE was for measurement only and would not be marketed. Its information is shown as below:

Equipment	Brand	Model Name
PoE	PHIHONG	POEA33U-1ATE

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 ISCED.	

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Caster Chang	23.7~24.3 / 62~67	Jun. 02, 2025~ Jun. 04, 2025



2 Measurement Environment

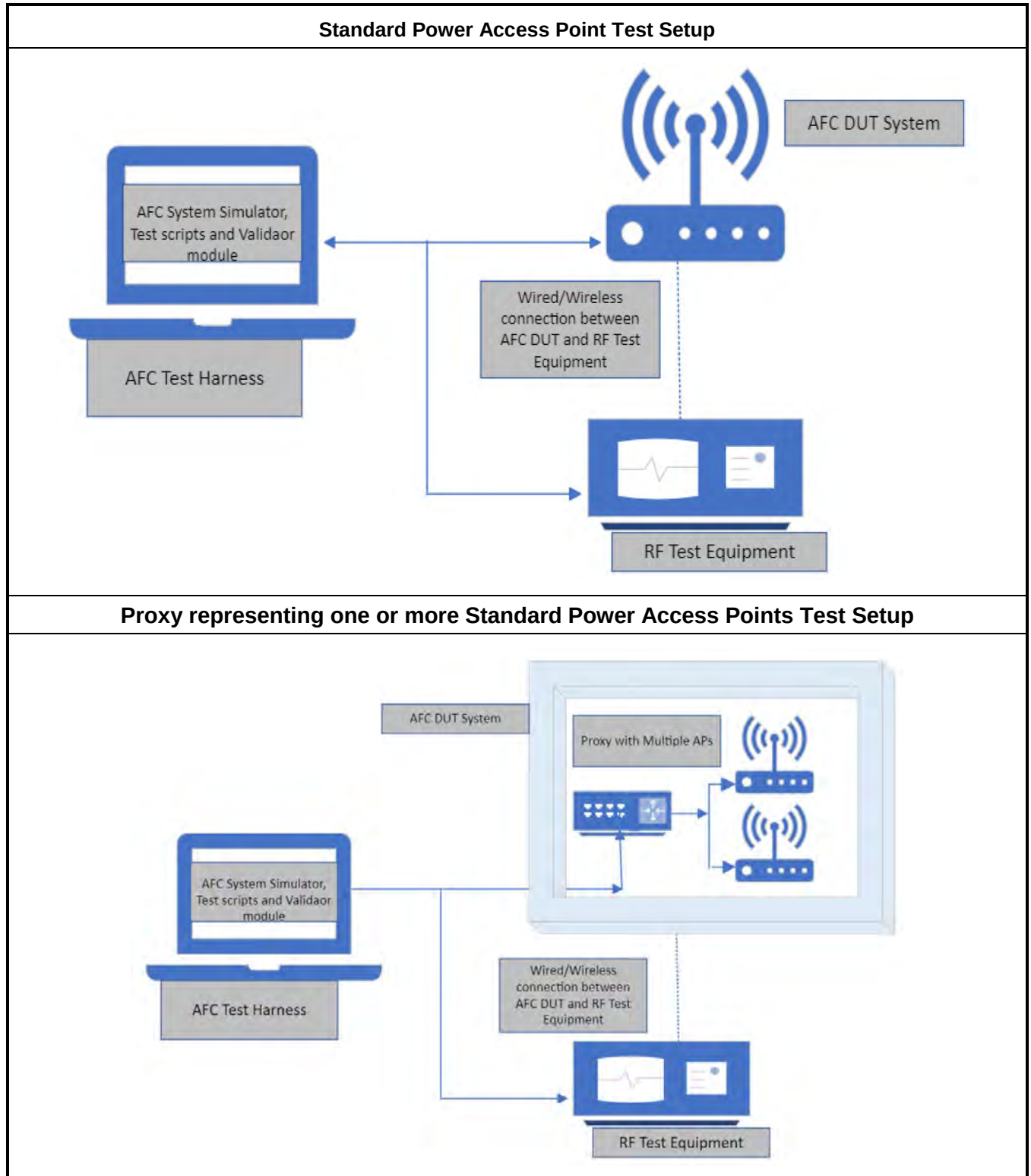
Measurement Environment Information	
AFC DUT Test Harness version	2.0.65.184

2.1 AFCD General Capabilities Declaration

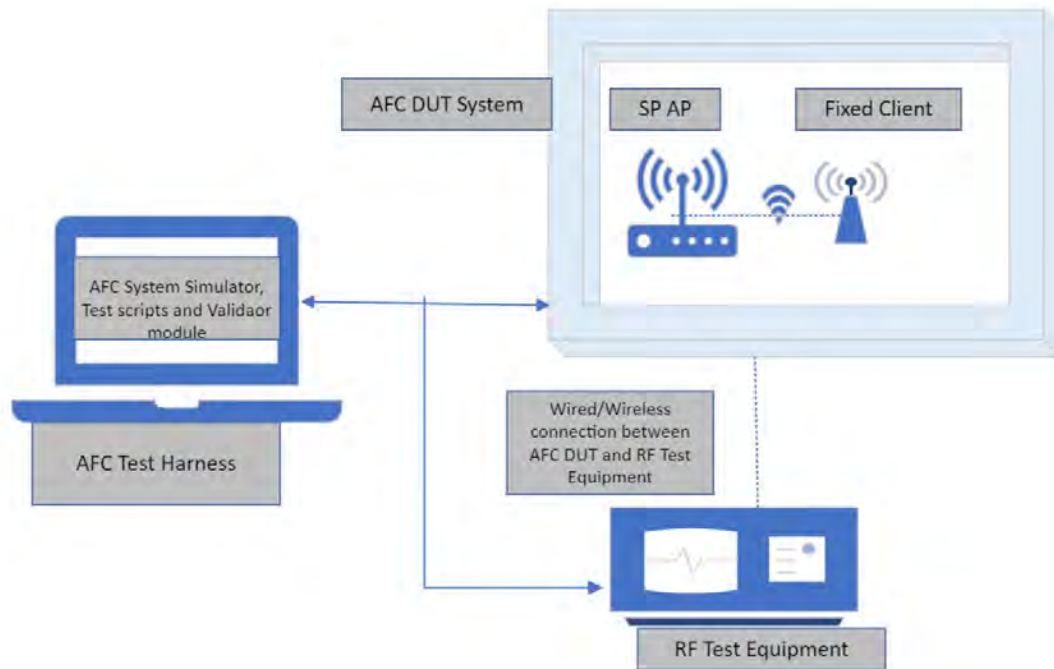
Item	Question	Vendor Response
1	AFC DUT Type	Standard Power AP with Proxy
2	Does the AFC DUT supports sending an Available Spectrum Inquiry Request based on the inquired Frequency Range field?	Yes
3	Does the AFC DUT supports sending an Available Spectrum Inquiry Request based on the inquired Channels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

Note: The above information was declared by manufacturer.

2.2 Test Configuration



Fixed Client Device Test Setup





3 Protocol Test Results

3.1 Successful Registration and Spectrum Access Request

3.1.1 Test Procedure

Step	Description
1	If the AFC DUT is Standard Power Access Point, go to Step 2, else go to Step 12
2	AFC DUT set to Initial Pre-test State. If needed (see Table 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	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Power Divider	STI	2 Way	DV-8G -05	1 ~ 8GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH01-CB)
RF Power Divider	STI	2 Way	DV-8G -06	1 ~ 8GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH01-CB)
RF Power Divider	STI	2 Way	DV-8G -07	1 ~ 8GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH01-CB)
RF Power Divider	STI	2 Way	DV-8G -08	1 ~ 8GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH01-CB)

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



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	CISCO
DUT Product Model	CW9179F

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_MatchSuffixSAN_10634_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_NonMatchSAN_10632_1 (Unsuccessful server validation)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_Frequency_320MHz_10713_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_AFCDAU34_Frequency_10617_1 (Unsuccessful spectrum access update)	PASS
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDSAU33_Frequency_10616_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_Frequency_10615_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_Frequency_160MHz_10614_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_Frequency_80MHz_10613_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_Frequency_40MHz_10612_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_Frequency_20MHz_10611_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_Frequency_320MHz_10713_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 (7.5 dBm/MHz PSD) on channel center frequency index 63 bandwidth 320.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS

AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (-2.1 dBm/MHz PSD) on channel center frequency index 31 bandwidth 320.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDUAU34_Frequency_10617_1 (Unsuccessful spectrum access update)
TestResult: PASS
Band: 6GHz

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

TestCaseName: CT_AFC_SP_AP_AFCDSAU33_Frequency_10616_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 (20.7 dBm/MHz PSD) on channel 37 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_SP_OPERATION_2	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (21.6 dBm/MHz PSD) on channel 133 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDUSA32_Frequency_10615_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_AFCDRSA31_Frequency_160MHz_10614_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 (8.4 dBm/MHz PSD) on channel center frequency index 15 bandwidth 160.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (11.1 dBm/MHz PSD) on channel center frequency index 143 bandwidth 160.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_Frequency_80MHz_10613_1 (Successful registration and spectrum access request)
TestResult: PASS
Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (9.0 dBm/MHz PSD) on channel center frequency index 135 bandwidth 80.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (13.4 dBm/MHz PSD) on	true	PASS

	channel center frequency index 151 bandwidth 80.		
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_Frequency_40MHz_10612_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 (13.8 dBm/MHz PSD) on channel center frequency index 51 bandwidth 40.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (17.9 dBm/MHz PSD) on channel center frequency index 3 bandwidth 40.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_Frequency_20MHz_10611_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 (10.2 dBm/MHz PSD) on channel 85 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (19.5 dBm/MHz PSD) on channel 133 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

AFC capability - Inquired Frequency**CT_AFC_SP_AP_AFCRSA31_Frequency_20MHz_10611_1**

2025-06-02T03:15:23Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "154517915488368",
        "deviceDescriptor": {
          "serialNumber": "Q5BH-2WJ5-KLSC",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600216020"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "latitude": 38,
              "longitude": -122
            },
            "majorAxis": 20,
            "minorAxis": 20,

```



```
        "orientation": 0
      },
      "elevation": {
        "height": 20.0,
        "heightType": "AGL",
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9179F"
        }
      }
    ]
  },
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
```

```
        "identity": 1003
      }
    }
  ]
}
}
```

2025-06-02T03:15:23Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 15.4
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 16.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 21.3
        }
      ]
    }
  ]
}
```

```
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 10.1
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 13.3
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 18.1
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 11.7
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 9.1
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6365,
        "lowFrequency": 6345
    },
    "maxPsd": 19.5
},
{
    "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
    },
    "maxPsd": 10.2
},
{
    "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
    },
    "maxPsd": 17.7
},
{
    "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
    },
    "maxPsd": 21.1
},
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 17.9
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
```

```
    },
    "maxPsd": 11.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 19.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 21.9
  }
],
"requestId": "154517915488368",
"availabilityExpireTime": "2025-06-03T03:15:23Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2025-06-02T03:15:23Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "/*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  }
}
```



```
{,
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "154517915488368",
      "deviceDescriptor": {
        "serialNumber": "Q5BH-2WJ5-KLSC",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-600216020"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 20.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ]
}
```

```
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9179F"
        }
      }
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
```

2025-06-02T03:15:24Z

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

```
},
"availableFrequencyInfo": [
  {
    "frequencyRange": {
      "highFrequency": 5965,
      "lowFrequency": 5945
    },
    "maxPsd": 15.4
  },
  {
    "frequencyRange": {
      "highFrequency": 5985,
      "lowFrequency": 5965
    },
    "maxPsd": 16.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6005,
      "lowFrequency": 5985
    },
    "maxPsd": 21.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6025,
      "lowFrequency": 6005
    },
    "maxPsd": 10.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 13.3
  },
}
```

```
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 18.1
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 11.7
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 9.1
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 19.5
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 10.2
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6405,
        "lowFrequency": 6385
    },
    "maxPsd": 17.7
},
{
    "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
    },
    "maxPsd": 21.1
},
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 17.9
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 11.6
},
{
    "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
    },
    "maxPsd": 19.1
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
```

```
    },
    "maxPsd": 21.9
  }
],
"requestId": "154517915488368",
"availabilityExpireTime": "2025-06-03T03:15:24Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2025-06-02T03:22:10Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "154517915488368",
        "deviceDescriptor": {
          "serialNumber": "Q5BH-2WJ5-KLSC",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600216020"
            }
          ]
        }
      }
    ]
  }
}
```



```
    ]
  },
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 20.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9179F"
      }
    }
  ]
}
```

```
    }
  ]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}

##### 2025-06-02T03:22:10Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 9.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          }
        }
      ]
    }
  ]
}
```

```
    },
    "maxPsd": 18.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 20.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 13.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 17.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 20.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 21.6
  }
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6185,  
        "lowFrequency": 6165  
      },  
      "maxPsd": 11.0  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6285,  
        "lowFrequency": 6265  
      },  
      "maxPsd": 21.1  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6305,  
        "lowFrequency": 6285  
      },  
      "maxPsd": 20.3  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6325,  
        "lowFrequency": 6305  
      },  
      "maxPsd": 9.7  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6345,  
        "lowFrequency": 6325  
      },  
      "maxPsd": 19.5  
    },  
    {
```

```
"frequencyRange": {
  "highFrequency": 6605,
  "lowFrequency": 6585
},
"maxPsd": 13.0
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 19.5
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 18.4
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 14.6
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 16.1
},
{
  "frequencyRange": {
    "highFrequency": 6785,
```

```
        "lowFrequency": 6765
      },
      "maxPsd": 11.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 10.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 13.7
    }
  ],
  "requestId": "154517915488368",
  "availabilityExpireTime": "2025-06-03T03:22:10Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}

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

2025-06-02T03:22:11Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
```



```
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "154517915488368",
      "deviceDescriptor": {
        "serialNumber": "Q5BH-2WJ5-KLSC",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-600216020"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 20.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ]
}
```

```
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9179F"
      }
    }
  ]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

```
##### 2025-06-02T03:22:11Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
```

```
"shortDescription": "SUCCESS"
},
"availableFrequencyInfo": [
  {
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 9.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 18.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 20.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 13.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 17.0
  }
]
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6145,  
        "lowFrequency": 6125  
      },  
      "maxPsd": 20.5  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6165,  
        "lowFrequency": 6145  
      },  
      "maxPsd": 21.6  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6185,  
        "lowFrequency": 6165  
      },  
      "maxPsd": 11.0  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6285,  
        "lowFrequency": 6265  
      },  
      "maxPsd": 21.1  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6305,  
        "lowFrequency": 6285  
      },  
      "maxPsd": 20.3  
    },  
    {
```

```
"frequencyRange": {
  "highFrequency": 6325,
  "lowFrequency": 6305
},
"maxPsd": 9.7
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 19.5
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 13.0
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 19.5
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 18.4
},
{
  "frequencyRange": {
    "highFrequency": 6665,
```

```
        "lowFrequency": 6645
      },
      "maxPsd": 14.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 16.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 11.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 10.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 13.7
    }
  ],
  "requestId": "154517915488368",
  "availabilityExpireTime": "2025-06-03T03:22:11Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
```



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


CT_AFC_SP_AP_AFCDRSA31_Frequency_40MHz_10612_1

2025-06-02T02:22:55Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "154517915488368",
        "deviceDescriptor": {
          "serialNumber": "Q5BH-2WJ5-KLSC",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600216020"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      }
    }
  }
}
```

```
    },
    "elevation": {
      "height": 20.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9179F"
      }
    }
  ]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
```

```
}  
}  
]  
}  
}
```

2025-06-02T02:22:55Z

```
{  
  "availableSpectrumInquiryResponses": [  
    {  
      "response": {  
        "responseCode": 0,  
        "shortDescription": "SUCCESS"  
      },  
      "availableFrequencyInfo": [  
        {  
          "frequencyRange": {  
            "highFrequency": 6045,  
            "lowFrequency": 6025  
          },  
          "maxPsd": 14.2  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6065,  
            "lowFrequency": 6045  
          },  
          "maxPsd": 9.6  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6085,  
            "lowFrequency": 6065  
          },  
          "maxPsd": 11.1  
        },  
        {  

```

```
"frequencyRange": {
  "highFrequency": 6105,
  "lowFrequency": 6085
},
"maxPsd": 18.9
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 18.9
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 13.8
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 11.1
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 18.1
},
{
  "frequencyRange": {
    "highFrequency": 6685,
```

```
        "lowFrequency": 6665
      },
      "maxPsd": 8.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 12.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 17.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 20.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 14.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
    },
```

```
        "maxPsd": 10.7
      },
      {
        "frequencyRange": {
          "highFrequency": 6805,
          "lowFrequency": 6785
        },
        "maxPsd": 19.9
      },
      {
        "frequencyRange": {
          "highFrequency": 6825,
          "lowFrequency": 6805
        },
        "maxPsd": 9.7
      }
    ],
    "requestId": "154517915488368",
    "availabilityExpireTime": "2025-06-03T02:22:55Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}
```

2025-06-02T02:22:55Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },

```

```
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "154517915488368",
      "deviceDescriptor": {
        "serialNumber": "Q5BH-2WJ5-KLSC",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-600216020"
          }
        ]
      },
      "location": {
        "ellipse": {
          "center": {
            "latitude": 38,
            "longitude": -122
          },
          "majorAxis": 20,
          "minorAxis": 20,
          "orientation": 0
        },
        "elevation": {
          "height": 20.0,
          "heightType": "AGL",
          "verticalUncertainty": 10.0
        },
        "indoorDeployment": 2
      },
      "inquiredFrequencyRange": [
        {
          "lowFrequency": 5945,
          "highFrequency": 6875
        }
      ]
    }
  ],
}
```



```
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoApInfo",
    "parameters": {
      "version": "1.4",
      "PID": "CW9179F"
    }
  }
]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

2025-06-02T02:22:56Z

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

```
"availableFrequencyInfo": [  
  {  
    "frequencyRange": {  
      "highFrequency": 6045,  
      "lowFrequency": 6025  
    },  
    "maxPsd": 14.2  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6065,  
      "lowFrequency": 6045  
    },  
    "maxPsd": 9.6  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6085,  
      "lowFrequency": 6065  
    },  
    "maxPsd": 11.1  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6105,  
      "lowFrequency": 6085  
    },  
    "maxPsd": 18.9  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6205,  
      "lowFrequency": 6185  
    },  
    "maxPsd": 18.9  
  },  
  {  

```

```
"frequencyRange": {
  "highFrequency": 6225,
  "lowFrequency": 6205
},
"maxPsd": 13.8
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 11.1
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 18.1
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 8.2
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 12.9
},
{
  "frequencyRange": {
    "highFrequency": 6725,
```

```
        "lowFrequency": 6705
      },
      "maxPsd": 17.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 20.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 14.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 10.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 19.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
    },
```

```
        "maxPsd": 9.7
      }
    ],
    "requestId": "154517915488368",
    "availabilityExpireTime": "2025-06-03T02:22:56Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}

##### 2025-06-02T02:39:25Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "154517915488368",
        "deviceDescriptor": {
          "serialNumber": "Q5BH-2WJ5-KLSC",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600216020"
            }
          ]
        }
      }
    ]
  }
}
```

```
    },
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      },
      "elevation": {
        "height": 20.0,
        "heightType": "AGL",
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9179F"
        }
      }
    ]
  }
```

```
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}

##### 2025-06-02T02:39:26Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 19.8
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },

```

```
"maxPsd": 17.9
},
{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 10.3
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 18.6
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 9.1
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 18.8
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 20.4
},
```



```
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 9.3
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 16.2
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 14.4
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 16.9
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 19.3
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6365,
        "lowFrequency": 6345
    },
    "maxPsd": 17.2
},
{
    "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
    },
    "maxPsd": 18.5
},
{
    "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
    },
    "maxPsd": 21.8
},
{
    "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
    },
    "maxPsd": 10.4
},
{
    "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
    },
    "maxPsd": 10.1
},
{
    "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
```

```
    },
    "maxPsd": 10.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 18.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 8.5
  }
],
"requestId": "154517915488368",
"availabilityExpireTime": "2025-06-03T02:39:26Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2025-06-02T02:39:26Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "/*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  }
}
```

```
{,
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "154517915488368",
      "deviceDescriptor": {
        "serialNumber": "Q5BH-2WJ5-KLSC",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-600216020"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 20.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ]
}
```

```
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9179F"
        }
      }
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
```

2025-06-02T02:39:27Z

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

```
},
"availableFrequencyInfo": [
  {
    "frequencyRange": {
      "highFrequency": 5965,
      "lowFrequency": 5945
    },
    "maxPsd": 19.8
  },
  {
    "frequencyRange": {
      "highFrequency": 5985,
      "lowFrequency": 5965
    },
    "maxPsd": 17.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6005,
      "lowFrequency": 5985
    },
    "maxPsd": 10.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6025,
      "lowFrequency": 6005
    },
    "maxPsd": 18.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 9.1
  },
],
```

```
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 18.8
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 20.4
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 9.3
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 16.2
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 14.4
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6325,
        "lowFrequency": 6305
    },
    "maxPsd": 16.9
},
{
    "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
    },
    "maxPsd": 19.3
},
{
    "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
    },
    "maxPsd": 17.2
},
{
    "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
    },
    "maxPsd": 18.5
},
{
    "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
    },
    "maxPsd": 21.8
},
{
    "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
```



```
    },
    "maxPsd": 10.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 10.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 10.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 18.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 8.5
  }
],
"requestId": "154517915488368",
"availabilityExpireTime": "2025-06-03T02:39:26Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
```



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

CT_AFC_SP_AP_AFCDRSA31_Frequency_80MHz_10613_1

2025-06-02T02:51:14Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "154517915488368",
        "deviceDescriptor": {
          "serialNumber": "Q5BH-2WJ5-KLSC",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600216020"
            }
          ]
        }
      },
      {
        "location": {
          "ellipse": {
            "center": {
              "latitude": 38,
              "longitude": -122
            },
            "majorAxis": 20,
            "minorAxis": 20,
            "orientation": 0
          }
        }
      }
    ]
  }
}
```

```
    },
    "elevation": {
      "height": 20.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9179F"
      }
    }
  ]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
```

```
    }
  }
]
}
}

##### 2025-06-02T02:51:15Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 16.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 14.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 15.1
        },
        {

```

```
"frequencyRange": {
  "highFrequency": 6105,
  "lowFrequency": 6085
},
"maxPsd": 15.4
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 18.9
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 19.0
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 16.6
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 20.8
},
{
  "frequencyRange": {
    "highFrequency": 6205,
```

```
        "lowFrequency": 6185
      },
      "maxPsd": 20.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 11.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 16.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 12.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 17.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
    },
```

```
        "maxPsd": 9.0
      },
      {
        "frequencyRange": {
          "highFrequency": 6645,
          "lowFrequency": 6625
        },
        "maxPsd": 18.0
      },
      {
        "frequencyRange": {
          "highFrequency": 6665,
          "lowFrequency": 6645
        },
        "maxPsd": 20.7
      }
    ],
    "requestId": "154517915488368",
    "availabilityExpireTime": "2025-06-03T02:51:15Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}

##### 2025-06-02T02:51:15Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },

```



```
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "154517915488368",
      "deviceDescriptor": {
        "serialNumber": "Q5BH-2WJ5-KLSC",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-600216020"
          }
        ]
      },
      "location": {
        "ellipse": {
          "center": {
            "latitude": 38,
            "longitude": -122
          },
          "majorAxis": 20,
          "minorAxis": 20,
          "orientation": 0
        },
        "elevation": {
          "height": 20.0,
          "heightType": "AGL",
          "verticalUncertainty": 10.0
        },
        "indoorDeployment": 2
      },
      "inquiredFrequencyRange": [
        {
          "lowFrequency": 5945,
          "highFrequency": 6875
        }
      ]
    }
  ],
}
```

```
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoApInfo",
    "parameters": {
      "version": "1.4",
      "PID": "CW9179F"
    }
  }
]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

2025-06-02T02:51:16Z

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

```
"availableFrequencyInfo": [  
  {  
    "frequencyRange": {  
      "highFrequency": 6045,  
      "lowFrequency": 6025  
    },  
    "maxPsd": 16.4  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6065,  
      "lowFrequency": 6045  
    },  
    "maxPsd": 14.7  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6085,  
      "lowFrequency": 6065  
    },  
    "maxPsd": 15.1  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6105,  
      "lowFrequency": 6085  
    },  
    "maxPsd": 15.4  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6125,  
      "lowFrequency": 6105  
    },  
    "maxPsd": 18.9  
  },  
  {  

```

```
"frequencyRange": {
  "highFrequency": 6145,
  "lowFrequency": 6125
},
"maxPsd": 19.0
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 16.6
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 20.8
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 20.8
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 11.3
},
{
  "frequencyRange": {
    "highFrequency": 6245,
```

```
        "lowFrequency": 6225
      },
      "maxPsd": 16.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 12.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 17.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 9.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 18.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
    },
```

```
        "maxPsd": 20.7
      }
    ],
    "requestId": "154517915488368",
    "availabilityExpireTime": "2025-06-03T02:51:16Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}

##### 2025-06-02T03:01:49Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "154517915488368",
        "deviceDescriptor": {
          "serialNumber": "Q5BH-2WJ5-KLSC",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600216020"
            }
          ]
        }
      ]
    ]
  }
}
```

```
    },
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      },
      "elevation": {
        "height": 20.0,
        "heightType": "AGL",
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9179F"
        }
      }
    ]
  }
```

```
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}

##### 2025-06-02T03:01:49Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 19.0
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
        }
      ]
    }
  ]
}
```



```
"maxPsd": 13.7
},
{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 11.5
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 11.9
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 8.1
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 19.7
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 17.8
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 10.4
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 12.8
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 13.2
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 8.2
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 16.6
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 13.4
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 17.0
},
{
    "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
    },
    "maxPsd": 20.4
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
    },
    "maxPsd": 20.5
},
{
    "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
    },
    "maxPsd": 20.8
},
{
    "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
```

```
    },
    "maxPsd": 11.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 9.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 22.0
  }
],
"requestId": "154517915488368",
"availabilityExpireTime": "2025-06-03T03:01:49Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2025-06-02T03:01:50Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "/*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  }
}
```

```
{,
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "154517915488368",
      "deviceDescriptor": {
        "serialNumber": "Q5BH-2WJ5-KLSC",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-600216020"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 20.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ]
}
```

```
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9179F"
        }
      }
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
```

2025-06-02T03:01:50Z

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

```
},
"availableFrequencyInfo": [
  {
    "frequencyRange": {
      "highFrequency": 5965,
      "lowFrequency": 5945
    },
    "maxPsd": 19.0
  },
  {
    "frequencyRange": {
      "highFrequency": 5985,
      "lowFrequency": 5965
    },
    "maxPsd": 13.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6005,
      "lowFrequency": 5985
    },
    "maxPsd": 11.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6025,
      "lowFrequency": 6005
    },
    "maxPsd": 11.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 8.1
  },
],
```

```
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 19.7
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 17.8
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 10.4
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 12.8
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 13.2
},
{
  "frequencyRange": {
```



```
        "highFrequency": 6405,
        "lowFrequency": 6385
    },
    "maxPsd": 8.2
},
{
    "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
    },
    "maxPsd": 16.6
},
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 13.4
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 17.0
},
{
    "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
    },
    "maxPsd": 20.4
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
```

```
    },
    "maxPsd": 20.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 20.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 11.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 9.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 22.0
  }
],
"requestId": "154517915488368",
"availabilityExpireTime": "2025-06-03T03:01:50Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
```

```
],
```



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

CT_AFC_SP_AP_AFCRSA31_Frequency_160MHz_10614_1

2025-06-02T05:42:00Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "154517915488368",
        "deviceDescriptor": {
          "serialNumber": "Q5BH-2WJ5-KLSC",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600216020"
            }
          ]
        }
      },
      {
        "location": {
          "ellipse": {
            "center": {
              "latitude": 38,
              "longitude": -122
            },
            "majorAxis": 20,
            "minorAxis": 20,
            "orientation": 0
          }
        }
      }
    ]
  }
}
```

```
    },
    "elevation": {
      "height": 20.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9179F"
      }
    }
  ]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
```

```
    }
  }
]
}
}

##### 2025-06-02T05:42:00Z #####

{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 9.9
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 19.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 8.4
        }
      ]
    }
  ]
}
```

```
"frequencyRange": {
  "highFrequency": 6025,
  "lowFrequency": 6005
},
"maxPsd": 17.0
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 18.9
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 19.8
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 15.1
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 15.4
},
{
  "frequencyRange": {
    "highFrequency": 6285,
```

```
        "lowFrequency": 6265
      },
      "maxPsd": 18.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 8.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 10.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 15.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 19.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
    },
```



```
        "maxPsd": 8.9
      },
      {
        "frequencyRange": {
          "highFrequency": 6405,
          "lowFrequency": 6385
        },
        "maxPsd": 17.8
      },
      {
        "frequencyRange": {
          "highFrequency": 6425,
          "lowFrequency": 6405
        },
        "maxPsd": 19.9
      }
    ],
    "requestId": "154517915488368",
    "availabilityExpireTime": "2025-06-03T05:42:00Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}
```

2025-06-02T05:42:01Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },

```

```
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "154517915488368",
      "deviceDescriptor": {
        "serialNumber": "Q5BH-2WJ5-KLSC",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-600216020"
          }
        ]
      },
      "location": {
        "ellipse": {
          "center": {
            "latitude": 38,
            "longitude": -122
          },
          "majorAxis": 20,
          "minorAxis": 20,
          "orientation": 0
        },
        "elevation": {
          "height": 20.0,
          "heightType": "AGL",
          "verticalUncertainty": 10.0
        },
        "indoorDeployment": 2
      },
      "inquiredFrequencyRange": [
        {
          "lowFrequency": 5945,
          "highFrequency": 6875
        }
      ]
    }
  ],
}
```

```
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoApInfo",
    "parameters": {
      "version": "1.4",
      "PID": "CW9179F"
    }
  }
]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

2025-06-02T05:42:01Z

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

```
"availableFrequencyInfo": [  
  {  
    "frequencyRange": {  
      "highFrequency": 5965,  
      "lowFrequency": 5945  
    },  
    "maxPsd": 9.9  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 5985,  
      "lowFrequency": 5965  
    },  
    "maxPsd": 19.0  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6005,  
      "lowFrequency": 5985  
    },  
    "maxPsd": 8.4  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6025,  
      "lowFrequency": 6005  
    },  
    "maxPsd": 17.0  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6045,  
      "lowFrequency": 6025  
    },  
    "maxPsd": 18.9  
  },  
  {  

```

```
"frequencyRange": {
  "highFrequency": 6065,
  "lowFrequency": 6045
},
"maxPsd": 19.8
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 15.1
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 15.4
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 18.3
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 8.7
},
{
  "frequencyRange": {
    "highFrequency": 6325,
```

```
        "lowFrequency": 6305
      },
      "maxPsd": 10.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 15.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 19.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 8.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 17.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
    },
```

```
        "maxPsd": 19.9
      }
    ],
    "requestId": "154517915488368",
    "availabilityExpireTime": "2025-06-03T05:42:01Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}

##### 2025-06-02T06:03:20Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "154517915488368",
        "deviceDescriptor": {
          "serialNumber": "Q5BH-2WJ5-KLSC",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600216020"
            }
          ]
        }
      }
    ]
  }
}
```

```
    },
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      },
      "elevation": {
        "height": 20.0,
        "heightType": "AGL",
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9179F"
        }
      }
    ]
  }
```



```
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}

##### 2025-06-02T06:03:20Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 14.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          }
        }
      ]
    }
  ]
}
```

```
"maxPsd": 18.4
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 21.9
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 16.6
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 9.9
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 9.8
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 10.0
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 21.3
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 21.6
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 17.6
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 20.2
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 18.6
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 15.8
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 11.1
},
{
    "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
    },
    "maxPsd": 14.7
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
    },
    "maxPsd": 19.7
}
],
"requestId": "154517915488368",
"availabilityExpireTime": "2025-06-03T06:03:20Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-06-02T06:03:21Z

{

```
"headers": {
  "Host": "testserver.wfatestorg.org",
  "Accept": "*/*",
  "Content-Type": "application/json",
  "X-Forwarded-For": "158.115.146.166",
  "X-Forwarded-Host": "testserver.wfatestorg.org",
  "X-Forwarded-Server": "testserver.wfatestorg.org",
  "Content-Length": "763",
  "Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "154517915488368",
      "deviceDescriptor": {
        "serialNumber": "Q5BH-2WJ5-KLSC",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-600216020"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 20.0,
      "heightType": "AGL",
```

```
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9179F"
        }
      }
    ]
  },
  "vendorExtensions": [
    {
      "extensionId": "CiscoInfo",
      "parameters": {
        "version": "1.4",
        "source": "Cloud",
        "identity": 1003
      }
    }
  ]
}
```

```
}

##### 2025-06-02T06:03:21Z #####

{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 14.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 18.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
          },
          "maxPsd": 21.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6185,
            "lowFrequency": 6165
          },

```

```
"maxPsd": 16.6
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 9.9
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 9.8
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 10.0
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 21.3
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 21.6
},
},
```



```
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 17.6
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 20.2
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 18.6
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 15.8
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 11.1
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 14.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 19.7
    }
  ],
  "requestId": "154517915488368",
  "availabilityExpireTime": "2025-06-03T06:03:21Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

CT_AFC_SP_AP_AFCDUSA32_Frequency_10615_1

2025-06-02T06:23:50Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "154517915488368",
        "deviceDescriptor": {
          "serialNumber": "Q5BH-2WJ5-KLSC",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600216020"
            }
          ]
        }
      },
      {
        "location": {
          "ellipse": {
            "center": {
              "latitude": 38,
              "longitude": -122
            },
            "majorAxis": 20,
            "minorAxis": 20,
            "orientation": 0
          }
        }
      }
    ]
  }
}
```

```
    },
    "elevation": {
      "height": 20.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9179F"
      }
    }
  ]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
```

```
    }
  }
]
}
}

##### 2025-06-02T06:23:50Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "requestId": "154517915488368",
      "availabilityExpireTime": "2025-06-03T06:23:50Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

##### 2025-06-02T06:23:51Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
```

```
"availableSpectrumInquiryRequests": [  
  {  
    "requestId": "154517915488368",  
    "deviceDescriptor": {  
      "serialNumber": "Q5BH-2WJ5-KLSC",  
      "certificationId": [  
        {  
          "rulesetId": "US_47_CFR_PART_15_SUBPART_E",  
          "id": "UDX-600216020"  
        }  
      ]  
    },  
    "location": {  
      "ellipse": {  
        "center": {  
          "latitude": 38,  
          "longitude": -122  
        },  
        "majorAxis": 20,  
        "minorAxis": 20,  
        "orientation": 0  
      },  
      "elevation": {  
        "height": 20.0,  
        "heightType": "AGL",  
        "verticalUncertainty": 10.0  
      },  
      "indoorDeployment": 2  
    },  
    "inquiredFrequencyRange": [  
      {  
        "lowFrequency": 5945,  
        "highFrequency": 6875  
      }  
    ],  
    "inquiredChannels": [  
      {
```

```
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9179F"
        }
      }
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

2025-06-02T06:23:51Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "requestId": "154517915488368",
    }
  ]
}
```



```
"availabilityExpireTime": "2025-06-03T06:23:51Z",  
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
  "version": "1.4"  
}
```


CT_AFC_SP_AP_AFCDSAU33_Frequency_10616_1

2025-06-03T00:57:31Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "154517915488368",
        "deviceDescriptor": {
          "serialNumber": "Q5BH-2WJ5-KLSC",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600216020"
            }
          ]
        }
      },
      {
        "location": {
          "ellipse": {
            "center": {
              "latitude": 38,
              "longitude": -122
            },
            "majorAxis": 20,
            "minorAxis": 20,
            "orientation": 0
          }
        }
      }
    ]
  }
}
```

```
    },
    "elevation": {
      "height": 20.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9179F"
      }
    }
  ]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
```

```
    }
  }
]
}
}

##### 2025-06-03T00:57:32Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 8.4
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 19.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 11.0
        }
      ]
    }
  ]
}
```

```
"frequencyRange": {
  "highFrequency": 6025,
  "lowFrequency": 6005
},
"maxPsd": 10.1
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 8.5
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 8.4
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 14.2
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 17.3
},
{
  "frequencyRange": {
    "highFrequency": 6125,
```

```
        "lowFrequency": 6105
      },
      "maxPsd": 16.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 20.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 13.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 10.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
      "maxPsd": 9.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
    },
```

```
        "maxPsd": 21.9
      },
      {
        "frequencyRange": {
          "highFrequency": 6325,
          "lowFrequency": 6305
        },
        "maxPsd": 17.2
      },
      {
        "frequencyRange": {
          "highFrequency": 6345,
          "lowFrequency": 6325
        },
        "maxPsd": 17.5
      }
    ],
    "requestId": "154517915488368",
    "availabilityExpireTime": "2025-06-04T00:57:32Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}

##### 2025-06-03T00:57:32Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },

```

```
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "154517915488368",
      "deviceDescriptor": {
        "serialNumber": "Q5BH-2WJ5-KLSC",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-600216020"
          }
        ]
      },
      "location": {
        "ellipse": {
          "center": {
            "latitude": 38,
            "longitude": -122
          },
          "majorAxis": 20,
          "minorAxis": 20,
          "orientation": 0
        },
        "elevation": {
          "height": 20.0,
          "heightType": "AGL",
          "verticalUncertainty": 10.0
        },
        "indoorDeployment": 2
      },
      "inquiredFrequencyRange": [
        {
          "lowFrequency": 5945,
          "highFrequency": 6875
        }
      ]
    }
  ],
}
```

```
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoApInfo",
    "parameters": {
      "version": "1.4",
      "PID": "CW9179F"
    }
  }
]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

2025-06-03T00:57:33Z

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



```
"availableFrequencyInfo": [  
  {  
    "frequencyRange": {  
      "highFrequency": 5965,  
      "lowFrequency": 5945  
    },  
    "maxPsd": 8.4  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 5985,  
      "lowFrequency": 5965  
    },  
    "maxPsd": 19.7  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6005,  
      "lowFrequency": 5985  
    },  
    "maxPsd": 11.0  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6025,  
      "lowFrequency": 6005  
    },  
    "maxPsd": 10.1  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6045,  
      "lowFrequency": 6025  
    },  
    "maxPsd": 8.5  
  },  
  {  

```

```
"frequencyRange": {
  "highFrequency": 6065,
  "lowFrequency": 6045
},
"maxPsd": 8.4
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 14.2
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 17.3
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 16.2
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 20.7
},
{
  "frequencyRange": {
    "highFrequency": 6165,
```

```
        "lowFrequency": 6145
      },
      "maxPsd": 13.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 10.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
      "maxPsd": 9.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 21.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 17.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
    },
```

```
        "maxPsd": 17.5
      }
    ],
    "requestId": "154517915488368",
    "availabilityExpireTime": "2025-06-04T00:57:33Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}

##### 2025-06-03T00:58:51Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "/*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "154517915488368",
        "deviceDescriptor": {
          "serialNumber": "Q5BH-2WJ5-KLSC",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600216020"
            }
          ]
        }
      }
    ]
  }
}
```

```
    },
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      },
      "elevation": {
        "height": 20.0,
        "heightType": "AGL",
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9179F"
        }
      }
    ]
  }
```

```
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}

##### 2025-06-03T00:58:52Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 8.4
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },

```

```
"maxPsd": 19.7
},
{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 11.0
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 10.1
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 8.5
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 8.4
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 14.2
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 17.3
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 16.2
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 20.7
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 13.9
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 10.7
},
{
  "frequencyRange": {
```



```
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
      "maxPsd": 9.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 21.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 17.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 17.5
    }
  ],
  "requestId": "154517915488368",
  "availabilityExpireTime": "2025-06-04T00:58:51Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}

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

2025-06-03T00:58:52Z

{

```
"headers": {
  "Host": "testserver.wfatestorg.org",
  "Accept": "*/*",
  "Content-Type": "application/json",
  "X-Forwarded-For": "158.115.146.166",
  "X-Forwarded-Host": "testserver.wfatestorg.org",
  "X-Forwarded-Server": "testserver.wfatestorg.org",
  "Content-Length": "763",
  "Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "154517915488368",
      "deviceDescriptor": {
        "serialNumber": "Q5BH-2WJ5-KLSC",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-600216020"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 20.0,
      "heightType": "AGL",
```

```
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9179F"
        }
      }
    ]
  },
  "vendorExtensions": [
    {
      "extensionId": "CiscoInfo",
      "parameters": {
        "version": "1.4",
        "source": "Cloud",
        "identity": 1003
      }
    }
  ]
}
```

```
}

##### 2025-06-03T00:58:52Z #####

{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 8.4
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 19.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 11.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },

```

```
"maxPsd": 10.1
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 8.5
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 8.4
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 14.2
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 17.3
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 16.2
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 20.7
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 13.9
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 10.7
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 9.0
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 21.9
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 17.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 17.5
    }
  ],
  "requestId": "154517915488368",
  "availabilityExpireTime": "2025-06-04T00:58:52Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}

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

```
##### 2025-06-03T01:14:29Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
```

```
{
  "requestId": "154517915488368",
  "deviceDescriptor": {
    "serialNumber": "Q5BH-2WJ5-KLSC",
    "certificationId": [
      {
        "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
        "id": "UDX-600216020"
      }
    ]
  },
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 20.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ]
}
```



```
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9179F"
      }
    }
  ]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

2025-06-03T01:16:09Z

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

```
        "highFrequency": 6205,
        "lowFrequency": 6185
    },
    "maxPsd": 19.4
},
{
    "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
    },
    "maxPsd": 9.2
},
{
    "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
    },
    "maxPsd": 14.3
},
{
    "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
    },
    "maxPsd": 12.6
},
{
    "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
    },
    "maxPsd": 11.7
},
{
    "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
```

```
    },
    "maxPsd": 16.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 9.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 11.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 11.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 21.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 16.6
  }
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6665,  
        "lowFrequency": 6645  
      },  
      "maxPsd": 15.7  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6685,  
        "lowFrequency": 6665  
      },  
      "maxPsd": 21.1  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6705,  
        "lowFrequency": 6685  
      },  
      "maxPsd": 12.7  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6725,  
        "lowFrequency": 6705  
      },  
      "maxPsd": 10.7  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6745,  
        "lowFrequency": 6725  
      },  
      "maxPsd": 15.1  
    },  
    {
```

```
        "frequencyRange": {
            "highFrequency": 6765,
            "lowFrequency": 6745
        },
        "maxPsd": 15.3
    },
    {
        "frequencyRange": {
            "highFrequency": 6785,
            "lowFrequency": 6765
        },
        "maxPsd": 19.8
    },
    {
        "frequencyRange": {
            "highFrequency": 6805,
            "lowFrequency": 6785
        },
        "maxPsd": 9.3
    },
    {
        "frequencyRange": {
            "highFrequency": 6825,
            "lowFrequency": 6805
        },
        "maxPsd": 16.6
    }
],
"requestId": "154517915488368",
"availabilityExpireTime": "2025-06-04T01:16:09Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-06-03T01:16:10Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "154517915488368",
        "deviceDescriptor": {
          "serialNumber": "Q5BH-2WJ5-KLSC",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600216020"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      },
      "elevation": {
        "height": 20.0,

```

```
        "heightType": "AGL",
        "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5945,
        "highFrequency": 6875
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    }
],
"vendorExtensions": [
    {
        "extensionId": "CiscoApInfo",
        "parameters": {
            "version": "1.4",
            "PID": "CW9179F"
        }
    }
]
},
"vendorExtensions": [
    {
        "extensionId": "CiscoInfo",
        "parameters": {
            "version": "1.4",
            "source": "Cloud",
            "identity": 1003
        }
    }
]
]
```

```
    }
  }

##### 2025-06-03T01:16:10Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6205,
            "lowFrequency": 6185
          },
          "maxPsd": 19.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6225,
            "lowFrequency": 6205
          },
          "maxPsd": 9.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6245,
            "lowFrequency": 6225
          },
          "maxPsd": 14.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6265,
            "lowFrequency": 6245
          }
        }
      ]
    }
  ]
}
```



```
    },  
    "maxPsd": 12.6  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6365,  
      "lowFrequency": 6345  
    },  
    "maxPsd": 11.7  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6385,  
      "lowFrequency": 6365  
    },  
    "maxPsd": 16.8  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6405,  
      "lowFrequency": 6385  
    },  
    "maxPsd": 9.4  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6425,  
      "lowFrequency": 6405  
    },  
    "maxPsd": 11.1  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6605,  
      "lowFrequency": 6585  
    },  
    "maxPsd": 11.3
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6625,  
        "lowFrequency": 6605  
      },  
      "maxPsd": 21.6  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6645,  
        "lowFrequency": 6625  
      },  
      "maxPsd": 16.6  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6665,  
        "lowFrequency": 6645  
      },  
      "maxPsd": 15.7  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6685,  
        "lowFrequency": 6665  
      },  
      "maxPsd": 21.1  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6705,  
        "lowFrequency": 6685  
      },  
      "maxPsd": 12.7  
    },  
    {
```

```
"frequencyRange": {
  "highFrequency": 6725,
  "lowFrequency": 6705
},
"maxPsd": 10.7
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 15.1
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 15.3
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 19.8
},
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 9.3
},
{
  "frequencyRange": {
    "highFrequency": 6825,
```

```
        "lowFrequency": 6805
      },
      "maxPsd": 16.6
    }
  ],
  "requestId": "154517915488368",
  "availabilityExpireTime": "2025-06-04T01:16:10Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

##### 2025-06-03T01:16:31Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "154517915488368",
        "deviceDescriptor": {
          "serialNumber": "Q5BH-2WJ5-KLSC",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600216020"
            }
          ]
        }
      }
    ]
  }
}
```

```
    }
  ]
},
"location": {
  "ellipse": {
    "center": {
      "latitude": 38,
      "longitude": -122
    },
    "majorAxis": 20,
    "minorAxis": 20,
    "orientation": 0
  },
  "elevation": {
    "height": 20.0,
    "heightType": "AGL",
    "verticalUncertainty": 10.0
  },
  "indoorDeployment": 2
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5945,
    "highFrequency": 6875
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoApInfo",
    "parameters": {
      "version": "1.4",
      "PID": "CW9179F"
```

```
    }
  }
]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}

##### 2025-06-03T01:16:31Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6205,
            "lowFrequency": 6185
          },
          "maxPsd": 19.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6225,
```

```
        "lowFrequency": 6205
      },
      "maxPsd": 9.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 14.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 12.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 11.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 16.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
    },
```

```
"maxPsd": 9.4
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 11.1
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 11.3
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 21.6
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 16.6
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 15.7
},
},
```



```
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 21.1
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 12.7
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 10.7
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 15.1
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 15.3
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6785,
        "lowFrequency": 6765
    },
    "maxPsd": 19.8
},
{
    "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
    },
    "maxPsd": 9.3
},
{
    "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
    },
    "maxPsd": 16.6
}
],
"requestId": "154517915488368",
"availabilityExpireTime": "2025-06-04T01:16:31Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

##### 2025-06-03T01:16:32Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "/*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "158.115.146.166",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
```

```
"Content-Length": "763",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "154517915488368",
      "deviceDescriptor": {
        "serialNumber": "Q5BH-2WJ5-KLSC",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-600216020"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 20.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
```

```
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9179F"
        }
      }
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

2025-06-03T01:16:32Z

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



```
"maxPsd": 11.7
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 16.8
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 9.4
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 11.1
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 11.3
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 21.6
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 16.6
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 15.7
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 21.1
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 12.7
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 10.7
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 15.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 15.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 19.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 9.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 16.6
    }
  ],
  "requestId": "154517915488368",
  "availabilityExpireTime": "2025-06-04T01:16:32Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
```



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

```
##### 2025-06-03T01:24:32Z #####
```

```
{  
  "headers": {  
    "Host": "testserver.wfatestorg.org",  
    "User-Agent": "curl/7.68.0",  
    "Accept": "/*/*",  
    "Content-Type": "application/json",  
    "X-Forwarded-For": "158.115.146.166",  
    "X-Forwarded-Host": "testserver.wfatestorg.org",  
    "X-Forwarded-Server": "testserver.wfatestorg.org",  
    "Content-Length": "763",  
    "Connection": "Keep-Alive"  
  },  
  "body": {  
    "version": "1.4",  
    "availableSpectrumInquiryRequests": [  
      {  
        "requestId": "154517915488368",  
        "deviceDescriptor": {  
          "serialNumber": "Q5BH-2WJ5-KLSC",  
          "certificationId": [  
            {  
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",  
              "id": "UDX-600216020"  
            }  
          ]  
        }  
      ],  
      {  
        "location": {  
          "ellipse": {  
            "center": {  
              "latitude": 38,  
              "longitude": -122
```

```
    },
    "majorAxis": 20,
    "minorAxis": 20,
    "orientation": 0
  },
  "elevation": {
    "height": 20.0,
    "heightType": "AGL",
    "verticalUncertainty": 10.0
  },
  "indoorDeployment": 2
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5945,
    "highFrequency": 6875
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoApInfo",
    "parameters": {
      "version": "1.4",
      "PID": "CW9179F"
    }
  }
]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
```

```
"parameters": {
  "version": "1.4",
  "source": "Cloud",
  "identity": 1003
}
}
]
}
}

##### 2025-06-03T01:24:32Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6205,
            "lowFrequency": 6185
          },
          "maxPsd": 19.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6225,
            "lowFrequency": 6205
          },
          "maxPsd": 9.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6245,
            "lowFrequency": 6225
          }
        }
      ]
    }
  ]
}
```

```
    },
    "maxPsd": 14.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 12.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 11.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 16.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 9.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 11.1
  }
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6605,  
        "lowFrequency": 6585  
      },  
      "maxPsd": 11.3  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6625,  
        "lowFrequency": 6605  
      },  
      "maxPsd": 21.6  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6645,  
        "lowFrequency": 6625  
      },  
      "maxPsd": 16.6  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6665,  
        "lowFrequency": 6645  
      },  
      "maxPsd": 15.7  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6685,  
        "lowFrequency": 6665  
      },  
      "maxPsd": 21.1  
    },  
    {
```

```
"frequencyRange": {
  "highFrequency": 6705,
  "lowFrequency": 6685
},
"maxPsd": 12.7
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 10.7
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 15.1
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 15.3
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 19.8
},
{
  "frequencyRange": {
    "highFrequency": 6805,
```

```
        "lowFrequency": 6785
      },
      "maxPsd": 9.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 16.6
    }
  ],
  "requestId": "154517915488368",
  "availabilityExpireTime": "2025-06-04T01:24:32Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-06-03T01:24:33Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "154517915488368",
```

```
"deviceDescriptor": {
  "serialNumber": "Q5BH-2WJ5-KLSC",
  "certificationId": [
    {
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
      "id": "UDX-600216020"
    }
  ]
},
"location": {
  "ellipse": {
    "center": {
      "latitude": 38,
      "longitude": -122
    },
    "majorAxis": 20,
    "minorAxis": 20,
    "orientation": 0
  },
  "elevation": {
    "height": 20.0,
    "heightType": "AGL",
    "verticalUncertainty": 10.0
  },
  "indoorDeployment": 2
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5945,
    "highFrequency": 6875
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
],
```



```
"vendorExtensions": [  
  {  
    "extensionId": "CiscoApInfo",  
    "parameters": {  
      "version": "1.4",  
      "PID": "CW9179F"  
    }  
  }  
]  
},  
"vendorExtensions": [  
  {  
    "extensionId": "CiscoInfo",  
    "parameters": {  
      "version": "1.4",  
      "source": "Cloud",  
      "identity": 1003  
    }  
  }  
]  
}  
}  
  
##### 2025-06-03T01:24:33Z #####  
{  
  "availableSpectrumInquiryResponses": [  
    {  
      "response": {  
        "responseCode": 0,  
        "shortDescription": "SUCCESS"  
      },  
      "availableFrequencyInfo": [  
        {  
          "frequencyRange": {  
            "highFrequency": 6205,  
            "lowFrequency": 6185
```

```
    },
    "maxPsd": 19.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 9.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 14.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 12.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 11.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 16.8
  }
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6405,  
        "lowFrequency": 6385  
      },  
      "maxPsd": 9.4  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6425,  
        "lowFrequency": 6405  
      },  
      "maxPsd": 11.1  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6605,  
        "lowFrequency": 6585  
      },  
      "maxPsd": 11.3  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6625,  
        "lowFrequency": 6605  
      },  
      "maxPsd": 21.6  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6645,  
        "lowFrequency": 6625  
      },  
      "maxPsd": 16.6  
    },  
    {
```

```
"frequencyRange": {
  "highFrequency": 6665,
  "lowFrequency": 6645
},
"maxPsd": 15.7
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 21.1
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 12.7
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 10.7
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 15.1
},
{
  "frequencyRange": {
    "highFrequency": 6765,
```

```
        "lowFrequency": 6745
      },
      "maxPsd": 15.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 19.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 9.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 16.6
    }
  ],
  "requestId": "154517915488368",
  "availabilityExpireTime": "2025-06-04T01:24:33Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2025-06-03T01:32:32Z #####
```

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

```
"Host": "testserver.wfatestorg.org",
"User-Agent": "curl/7.68.0",
"Accept": "*/*",
"Content-Type": "application/json",
"X-Forwarded-For": "158.115.146.166",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "763",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "154517915488368",
      "deviceDescriptor": {
        "serialNumber": "Q5BH-2WJ5-KLSC",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-600216020"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 20.0,
      "heightType": "AGL",
```

```
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9179F"
        }
      }
    ]
  },
  "vendorExtensions": [
    {
      "extensionId": "CiscoInfo",
      "parameters": {
        "version": "1.4",
        "source": "Cloud",
        "identity": 1003
      }
    }
  ]
}
```

```
}

##### 2025-06-03T01:32:32Z #####

{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6205,
            "lowFrequency": 6185
          },
          "maxPsd": 19.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6225,
            "lowFrequency": 6205
          },
          "maxPsd": 9.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6245,
            "lowFrequency": 6225
          },
          "maxPsd": 14.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6265,
            "lowFrequency": 6245
          },

```



```
"maxPsd": 12.6
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 11.7
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 16.8
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 9.4
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 11.1
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 11.3
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 21.6
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 16.6
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 15.7
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 21.1
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 12.7
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6725,
        "lowFrequency": 6705
    },
    "maxPsd": 10.7
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
    },
    "maxPsd": 15.1
},
{
    "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
    },
    "maxPsd": 15.3
},
{
    "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
    },
    "maxPsd": 19.8
},
{
    "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
    },
    "maxPsd": 9.3
},
{
    "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
```

```
    },
    "maxPsd": 16.6
  }
],
"requestId": "154517915488368",
"availabilityExpireTime": "2025-06-04T01:32:32Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2025-06-03T01:32:33Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "154517915488368",
        "deviceDescriptor": {
          "serialNumber": "Q5BH-2WJ5-KLSC",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600216020"
            }
          ]
        }
      ]
    ]
  }
}
```

```
    },
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      },
      "elevation": {
        "height": 20.0,
        "heightType": "AGL",
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9179F"
        }
      }
    ]
  }
```

```
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}

##### 2025-06-03T01:32:33Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6205,
            "lowFrequency": 6185
          },
          "maxPsd": 19.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6225,
            "lowFrequency": 6205
          },
        }
      ]
    }
  ]
}
```

```
"maxPsd": 9.2
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 14.3
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 12.6
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 11.7
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 16.8
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 9.4
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 11.1
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 11.3
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 21.6
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 16.6
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 15.7
},
{
  "frequencyRange": {
```



```
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 21.1
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 12.7
},
{
    "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
    },
    "maxPsd": 10.7
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
    },
    "maxPsd": 15.1
},
{
    "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
    },
    "maxPsd": 15.3
},
{
    "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
```

```
    },
    "maxPsd": 19.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 9.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 16.6
  }
],
"requestId": "154517915488368",
"availabilityExpireTime": "2025-06-04T01:32:33Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2025-06-03T01:40:31Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
  }
}
```

```
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "154517915488368",
      "deviceDescriptor": {
        "serialNumber": "Q5BH-2WJ5-KLSC",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-600216020"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 20.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ]
}
```

```
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9179F"
      }
    }
  ]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

```
##### 2025-06-03T01:40:31Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
```

```
"shortDescription": "SUCCESS"
},
"availableFrequencyInfo": [
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 19.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 9.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 14.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 12.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 11.7
  }
]
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6385,  
        "lowFrequency": 6365  
      },  
      "maxPsd": 16.8  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6405,  
        "lowFrequency": 6385  
      },  
      "maxPsd": 9.4  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6425,  
        "lowFrequency": 6405  
      },  
      "maxPsd": 11.1  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6605,  
        "lowFrequency": 6585  
      },  
      "maxPsd": 11.3  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6625,  
        "lowFrequency": 6605  
      },  
      "maxPsd": 21.6  
    },  
    {
```

```
"frequencyRange": {
  "highFrequency": 6645,
  "lowFrequency": 6625
},
"maxPsd": 16.6
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 15.7
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 21.1
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 12.7
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 10.7
},
{
  "frequencyRange": {
    "highFrequency": 6745,
```

```
        "lowFrequency": 6725
      },
      "maxPsd": 15.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 15.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 19.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 9.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 16.6
    }
  ],
  "requestId": "154517915488368",
  "availabilityExpireTime": "2025-06-04T01:40:31Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
```



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

##### 2025-06-03T01:40:32Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "154517915488368",
        "deviceDescriptor": {
          "serialNumber": "Q5BH-2WJ5-KLSC",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600216020"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
```

```
        "minorAxis": 20,
        "orientation": 0
    },
    "elevation": {
        "height": 20.0,
        "heightType": "AGL",
        "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5945,
        "highFrequency": 6875
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    }
],
"vendorExtensions": [
    {
        "extensionId": "CiscoApInfo",
        "parameters": {
            "version": "1.4",
            "PID": "CW9179F"
        }
    }
]
},
"vendorExtensions": [
    {
        "extensionId": "CiscoInfo",
        "parameters": {
            "version": "1.4",
```

```
        "source": "Cloud",
        "identity": 1003
      }
    }
  ]
}
}
```

2025-06-03T01:40:32Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6205,
            "lowFrequency": 6185
          },
          "maxPsd": 19.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6225,
            "lowFrequency": 6205
          },
          "maxPsd": 9.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6245,
            "lowFrequency": 6225
          },
          "maxPsd": 14.3
        }
      ]
    }
  ]
}
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6265,  
        "lowFrequency": 6245  
      },  
      "maxPsd": 12.6  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6365,  
        "lowFrequency": 6345  
      },  
      "maxPsd": 11.7  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6385,  
        "lowFrequency": 6365  
      },  
      "maxPsd": 16.8  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6405,  
        "lowFrequency": 6385  
      },  
      "maxPsd": 9.4  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6425,  
        "lowFrequency": 6405  
      },  
      "maxPsd": 11.1  
    },  
    {
```

```
"frequencyRange": {
  "highFrequency": 6605,
  "lowFrequency": 6585
},
"maxPsd": 11.3
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 21.6
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 16.6
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 15.7
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 21.1
},
{
  "frequencyRange": {
    "highFrequency": 6705,
```

```
        "lowFrequency": 6685
      },
      "maxPsd": 12.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 10.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 15.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 15.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 19.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
    },
```

```
        "maxPsd": 9.3
      },
      {
        "frequencyRange": {
          "highFrequency": 6825,
          "lowFrequency": 6805
        },
        "maxPsd": 16.6
      }
    ],
    "requestId": "154517915488368",
    "availabilityExpireTime": "2025-06-04T01:40:32Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}
```

CT_AFC_SP_AP_AFCDUAU34_Frequency_10617_1

2025-06-03T02:00:00Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "154517915488368",
        "deviceDescriptor": {
          "serialNumber": "Q5BH-2WJ5-KLSC",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600216020"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      }
    }
  }
}
```



```
    },
    "elevation": {
      "height": 20.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9179F"
      }
    }
  ]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
```

```
    }
  }
]
}
}

##### 2025-06-03T02:00:01Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 23
        },
        {

```

```
"frequencyRange": {
  "highFrequency": 6025,
  "lowFrequency": 6005
},
"maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6125,
```

```
        "lowFrequency": 6105
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 23
    }
  ]
}
```

```
"maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 23
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6545,
        "lowFrequency": 6525
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6565,
        "lowFrequency": 6545
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6585,
        "lowFrequency": 6565
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
```

```
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 23
  }
```



```
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 23
    },
    {
```

```
        "frequencyRange": {
            "highFrequency": 6865,
            "lowFrequency": 6845
        },
        "maxPsd": 23
    }
],
"requestId": "154517915488368",
"availabilityExpireTime": "2025-06-04T02:00:01Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

##### 2025-06-03T02:00:01Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "158.115.146.166",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "763",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "154517915488368",
                "deviceDescriptor": {
                    "serialNumber": "Q5BH-2WJ5-KLSC",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
```

```
        "id": "UDX-600216020"
      }
    ]
  },
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 20.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
```

```
        "PID": "CW9179F"
      }
    }
  ]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}

##### 2025-06-03T02:00:01Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
```

```
        "highFrequency": 5985,
        "lowFrequency": 5965
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6005,
        "lowFrequency": 5985
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
```

```
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 23
  }
```

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

```
"frequencyRange": {
  "highFrequency": 6305,
  "lowFrequency": 6285
},
"maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6405,
```



```
        "lowFrequency": 6385
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 23
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      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6585,
        "lowFrequency": 6565
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },

```

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

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

```
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 23
    }
  ],
  "requestId": "154517915488368",
  "availabilityExpireTime": "2025-06-04T02:00:01Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2025-06-03T02:00:32Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
```

```
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "763",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "154517915488368",
      "deviceDescriptor": {
        "serialNumber": "Q5BH-2WJ5-KLSC",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-600216020"
          }
        ]
      }
    },
    {
      "location": {
        "ellipse": {
          "center": {
            "latitude": 38,
            "longitude": -122
          },
          "majorAxis": 20,
          "minorAxis": 20,
          "orientation": 0
        },
        "elevation": {
          "height": 20.0,
          "heightType": "AGL",
          "verticalUncertainty": 10.0
        },
        "indoorDeployment": 2
      },
      "inquiredFrequencyRange": [
        {
```

```
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9179F"
        }
      }
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

2025-06-03T02:00:32Z

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

```
"response": {
  "responseCode": 0,
  "shortDescription": "SUCCESS"
},
"availableFrequencyInfo": [
  {
    "frequencyRange": {
      "highFrequency": 5965,
      "lowFrequency": 5945
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 5985,
      "lowFrequency": 5965
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6005,
      "lowFrequency": 5985
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6025,
      "lowFrequency": 6005
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 23
  }
]
```

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



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

```
"frequencyRange": {
  "highFrequency": 6265,
  "lowFrequency": 6245
},
"maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6365,
```

```
        "lowFrequency": 6345
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6545,
        "lowFrequency": 6525
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6565,
        "lowFrequency": 6545
      },
      "maxPsd": 23
    }
  ]
}
```

```
"maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 23
},
}
```

```
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6785,
        "lowFrequency": 6765
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
    },
    "maxPsd": 23
}
],
"requestId": "154517915488368",
"availabilityExpireTime": "2025-06-04T02:00:32Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
```

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

```
##### 2025-06-03T02:00:33Z #####
```

```
{  
  "headers": {  
    "Host": "testserver.wfatestorg.org",  
    "Accept": "/*/*",  
    "Content-Type": "application/json",  
    "X-Forwarded-For": "158.115.146.166",  
    "X-Forwarded-Host": "testserver.wfatestorg.org",  
    "X-Forwarded-Server": "testserver.wfatestorg.org",  
    "Content-Length": "763",  
    "Connection": "Keep-Alive"  
  },  
  "body": {  
    "version": "1.4",  
    "availableSpectrumInquiryRequests": [  
      {  
        "requestId": "154517915488368",  
        "deviceDescriptor": {  
          "serialNumber": "Q5BH-2WJ5-KLSC",  
          "certificationId": [  
            {  
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",  
              "id": "UDX-600216020"  
            }  
          ]  
        }  
      ]  
    },  
    "location": {  
      "ellipse": {  
        "center": {  
          "latitude": 38,  
          "longitude": -122  
        },  
      }  
    }  
  }  
}
```

```
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
    },
    "elevation": {
        "height": 20.0,
        "heightType": "AGL",
        "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5945,
        "highFrequency": 6875
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    }
],
"vendorExtensions": [
    {
        "extensionId": "CiscoApInfo",
        "parameters": {
            "version": "1.4",
            "PID": "CW9179F"
        }
    }
]
},
],
"vendorExtensions": [
    {
        "extensionId": "CiscoInfo",
        "parameters": {
```



```
        "version": "1.4",
        "source": "Cloud",
        "identity": 1003
      }
    }
  ]
}
}

##### 2025-06-03T02:00:33Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },

```

```
"maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 23
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6225,
        "lowFrequency": 6205
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
```

```
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 23
  }
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6545,  
        "lowFrequency": 6525  
      },  
      "maxPsd": 23  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6565,  
        "lowFrequency": 6545  
      },  
      "maxPsd": 23  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6585,  
        "lowFrequency": 6565  
      },  
      "maxPsd": 23  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6605,  
        "lowFrequency": 6585  
      },  
      "maxPsd": 23  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6625,  
        "lowFrequency": 6605  
      },  
      "maxPsd": 23  
    },  
    {
```

```
"frequencyRange": {
  "highFrequency": 6645,
  "lowFrequency": 6625
},
"maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6745,
```

```
        "lowFrequency": 6725
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },

```



```
        "maxPsd": 23
      },
      {
        "frequencyRange": {
          "highFrequency": 6865,
          "lowFrequency": 6845
        },
        "maxPsd": 23
      }
    ],
    "requestId": "154517915488368",
    "availabilityExpireTime": "2025-06-04T02:00:33Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}
```

CT_AFC_SP_AP_AFCRSA31_Frequency_320MHz_10713_1

2025-06-04T02:49:08Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "154517915488368",
        "deviceDescriptor": {
          "serialNumber": "Q5BH-2WJ5-KLSC",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600216020"
            }
          ]
        }
      },
      {
        "location": {
          "ellipse": {
            "center": {
              "latitude": 38,
              "longitude": -122
            },
            "majorAxis": 20,
            "minorAxis": 20,
            "orientation": 0
          }
        }
      }
    ]
  }
}
```

```
    },
    "elevation": {
      "height": 20.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9179F"
      }
    }
  ]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
```

```
    }
  }
]
}
}

##### 2025-06-04T02:49:08Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 20.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 23.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
          },
          "maxPsd": 15.2
        },
        {
```

```
"frequencyRange": {
  "highFrequency": 6185,
  "lowFrequency": 6165
},
"maxPsd": 13.9
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 21.6
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 12.2
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 20.4
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 18.1
},
{
  "frequencyRange": {
    "highFrequency": 6285,
```

```
        "lowFrequency": 6265
      },
      "maxPsd": 20.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 15.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 13.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 15.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 18.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
    },
```

```
        "maxPsd": 19.9
      },
      {
        "frequencyRange": {
          "highFrequency": 6405,
          "lowFrequency": 6385
        },
        "maxPsd": 7.5
      },
      {
        "frequencyRange": {
          "highFrequency": 6425,
          "lowFrequency": 6405
        },
        "maxPsd": 15.5
      }
    ],
    "requestId": "154517915488368",
    "availabilityExpireTime": "2025-06-05T02:49:08Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}
```

2025-06-04T02:49:09Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },

```

```
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "154517915488368",
      "deviceDescriptor": {
        "serialNumber": "Q5BH-2WJ5-KLSC",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-600216020"
          }
        ]
      },
      "location": {
        "ellipse": {
          "center": {
            "latitude": 38,
            "longitude": -122
          },
          "majorAxis": 20,
          "minorAxis": 20,
          "orientation": 0
        },
        "elevation": {
          "height": 20.0,
          "heightType": "AGL",
          "verticalUncertainty": 10.0
        },
        "indoorDeployment": 2
      },
      "inquiredFrequencyRange": [
        {
          "lowFrequency": 5945,
          "highFrequency": 6875
        }
      ]
    }
  ],
}
```



```
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoApInfo",
    "parameters": {
      "version": "1.4",
      "PID": "CW9179F"
    }
  }
]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

2025-06-04T02:49:09Z

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

```
"availableFrequencyInfo": [  
  {  
    "frequencyRange": {  
      "highFrequency": 6125,  
      "lowFrequency": 6105  
    },  
    "maxPsd": 20.9  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6145,  
      "lowFrequency": 6125  
    },  
    "maxPsd": 23.6  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6165,  
      "lowFrequency": 6145  
    },  
    "maxPsd": 15.2  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6185,  
      "lowFrequency": 6165  
    },  
    "maxPsd": 13.9  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6205,  
      "lowFrequency": 6185  
    },  
    "maxPsd": 21.6  
  },  
  {  

```

```
"frequencyRange": {
  "highFrequency": 6225,
  "lowFrequency": 6205
},
"maxPsd": 12.2
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 20.4
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 18.1
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 20.6
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 15.7
},
{
  "frequencyRange": {
    "highFrequency": 6325,
```

```
        "lowFrequency": 6305
      },
      "maxPsd": 13.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 15.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 18.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 19.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 7.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
    },
```

```
        "maxPsd": 15.5
      }
    ],
    "requestId": "154517915488368",
    "availabilityExpireTime": "2025-06-05T02:49:09Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}

##### 2025-06-04T02:49:32Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "154517915488368",
        "deviceDescriptor": {
          "serialNumber": "Q5BH-2WJ5-KLSC",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600216020"
            }
          ]
        }
      }
    ]
  }
}
```

```
    },
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      },
      "elevation": {
        "height": 20.0,
        "heightType": "AGL",
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9179F"
        }
      }
    ]
  }
```

```
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}

##### 2025-06-04T02:49:32Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 20.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          }
        }
      ]
    }
  ]
}
```

```
"maxPsd": 23.6
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 15.2
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 13.9
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 21.6
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 12.2
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 20.4
},
```



```
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 18.1
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 20.6
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 15.7
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 13.5
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 15.2
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 18.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 19.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 7.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 15.5
    }
  ],
  "requestId": "154517915488368",
  "availabilityExpireTime": "2025-06-05T02:49:32Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}

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

2025-06-04T02:49:32Z

```
{
```

```
"headers": {
  "Host": "testserver.wfatestorg.org",
  "Accept": "*/*",
  "Content-Type": "application/json",
  "X-Forwarded-For": "158.115.146.166",
  "X-Forwarded-Host": "testserver.wfatestorg.org",
  "X-Forwarded-Server": "testserver.wfatestorg.org",
  "Content-Length": "763",
  "Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "154517915488368",
      "deviceDescriptor": {
        "serialNumber": "Q5BH-2WJ5-KLSC",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-600216020"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 20.0,
      "heightType": "AGL",
```

```
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9179F"
        }
      }
    ]
  },
  "vendorExtensions": [
    {
      "extensionId": "CiscoInfo",
      "parameters": {
        "version": "1.4",
        "source": "Cloud",
        "identity": 1003
      }
    }
  ]
}
```

```
}

##### 2025-06-04T02:49:33Z #####

{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 20.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 23.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
          },
          "maxPsd": 15.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6185,
            "lowFrequency": 6165
          },

```

```
"maxPsd": 13.9
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 21.6
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 12.2
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 20.4
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 18.1
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 20.6
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 15.7
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 13.5
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 15.2
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 18.9
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 19.9
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 7.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 15.5
    }
  ],
  "requestId": "154517915488368",
  "availabilityExpireTime": "2025-06-05T02:49:33Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}

],
"version": "1.4"
}

##### 2025-06-04T03:01:33Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
```



```
{
  "requestId": "154517915488368",
  "deviceDescriptor": {
    "serialNumber": "Q5BH-2WJ5-KLSC",
    "certificationId": [
      {
        "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
        "id": "UDX-600216020"
      }
    ]
  },
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 20.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ]
}
```

```
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9179F"
      }
    }
  ]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

2025-06-04T03:01:33Z

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

```
        "highFrequency": 5965,
        "lowFrequency": 5945
    },
    "maxPsd": -2.1
},
{
    "frequencyRange": {
        "highFrequency": 5985,
        "lowFrequency": 5965
    },
    "maxPsd": 10.2
},
{
    "frequencyRange": {
        "highFrequency": 6005,
        "lowFrequency": 5985
    },
    "maxPsd": 1.2
},
{
    "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
    },
    "maxPsd": 4.4
},
{
    "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
    },
    "maxPsd": 1.5
},
{
    "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
```

```
    },
    "maxPsd": 4.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 5.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 4.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 4.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 10.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 0.7
  }
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6185,  
        "lowFrequency": 6165  
      },  
      "maxPsd": 10.1  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6205,  
        "lowFrequency": 6185  
      },  
      "maxPsd": 7.9  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6225,  
        "lowFrequency": 6205  
      },  
      "maxPsd": 7.0  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6245,  
        "lowFrequency": 6225  
      },  
      "maxPsd": 5.0  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6265,  
        "lowFrequency": 6245  
      },  
      "maxPsd": 7.8  
    }  
  ],
```

```
"requestId": "154517915488368",
"availabilityExpireTime": "2025-06-05T03:01:33Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

##### 2025-06-04T03:01:34Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.146.166",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "154517915488368",
        "deviceDescriptor": {
          "serialNumber": "Q5BH-2WJ5-KLSC",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600216020"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
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        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 20.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9179F"
      }
    }
  ]
},
"vendorExtensions": [
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{
  "extensionId": "CiscoInfo",
  "parameters": {
    "version": "1.4",
    "source": "Cloud",
    "identity": 1003
  }
}
]
}
}

##### 2025-06-04T03:01:34Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": -2.1
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        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 10.2
        },
        {
          "frequencyRange": {
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        "highFrequency": 6005,
        "lowFrequency": 5985
    },
    "maxPsd": 1.2
},
{
    "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
    },
    "maxPsd": 4.4
},
{
    "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
    },
    "maxPsd": 1.5
},
{
    "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
    },
    "maxPsd": 4.6
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{
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        "highFrequency": 6085,
        "lowFrequency": 6065
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    "maxPsd": 5.3
},
{
    "frequencyRange": {
        "highFrequency": 6105,
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    },
    "maxPsd": 4.2
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  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 4.1
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  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 10.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 0.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 10.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 7.9
  }
```

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    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 7.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 5.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 7.8
    }
  ],
  "requestId": "154517915488368",
  "availabilityExpireTime": "2025-06-05T03:01:34Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
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AFC capability - Inquired Frequency
AFCD.RSA: Successful registration and spectrum access request

Freq. (MHz)	Mode (LPI or SP or OFF)	Bandwidth (MHz)	Antenna Gain (dBi)	PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
6375	SP	20	10.00	-1.76	8.24	10.20	Pass
6615	SP	20	10.10	3.81	13.91	19.50	Pass
6205	SP	40	10.00	-1.78	8.22	13.80	Pass
5965	SP	40	10.00	-0.88	9.12	17.90	Pass
6625	SP	80	10.10	-1.53	8.57	9.00	Pass
6705	SP	80	10.10	-1.20	8.90	13.40	Pass
6025	SP	160	10.00	-4.38	5.62	8.40	Pass
6665	SP	160	10.10	-4.22	5.88	11.10	Pass
6265	OFF*	320	10.00	-	-	7.50	Pass
6105	SP	320	10.00	-17.32	-7.32	-2.10	Pass

"*" : Products cannot use 320MHz of 6265MHz; the product will stop working when the AFC response is 6265MHz.

AFCD.SAU: Successful spectrum access update

Freq. (MHz)	Mode (LPI or SP or OFF)	Bandwidth (MHz)	Antenna Gain (dBi)	PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
6135	SP	20	10.00	0.29	10.29	20.70	Pass
6615	SP	20	10.10	0.97	11.07	21.60	Pass

AFCD.UAU: Unsuccessful spectrum access update

Freq. (MHz)	Mode (LPI or SP or OFF)	Bandwidth (MHz)	Antenna Gain (dBi)	PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
5975	SP	20	10.00	0.08	10.08	23.00	Pass

AFC capability - Inquired Frequency

CT_AFC_SP_AP_AFCDRSA31_Frequency_20MHz_10611_1

Frequency (MHz): 6375

5.925-6.425GHz 802.11be EHT20_Nss1,(MCS0)_1TX

PSD

6375MHz

02/06/2025

CF (Hz)
6.375G

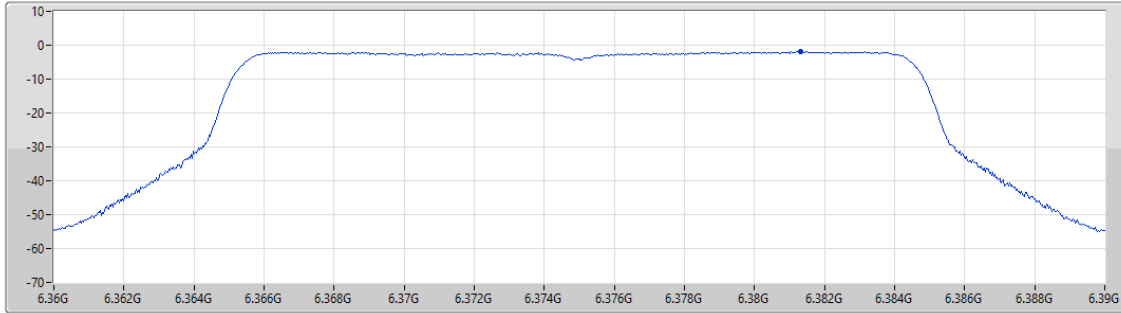
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.76	-1.76	-1.76

Frequency (MHz): 6615

6.525-6.875GHz 802.11be EHT20_Nss1,(MCS0)_1TX

PSD

6615MHz

02/06/2025

CF (Hz)
6.615G

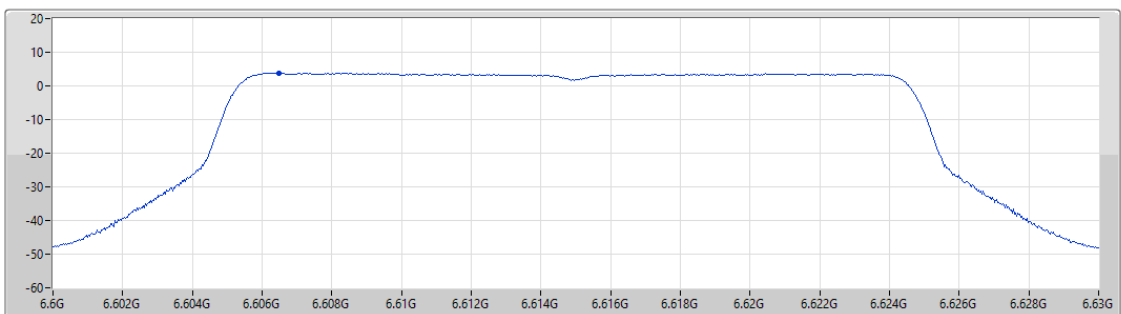
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.81	3.81	3.81

CT_AFC_SP_AP_AFCRSA31_Frequency_40MHz_10612_1

Frequency (MHz): 6205

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

PSD

6205MHz

02/06/2025

CF (Hz)
6.205G

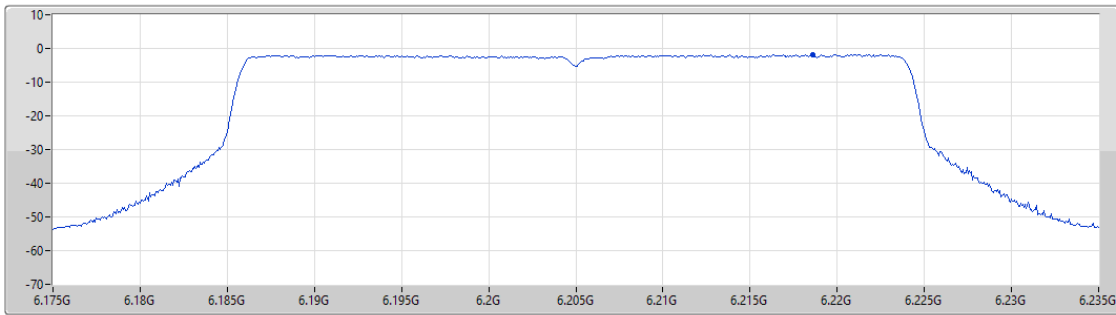
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.78	-1.78	-1.78

Frequency (MHz): 5965

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

PSD

5965MHz

02/06/2025

CF (Hz)
5.965G

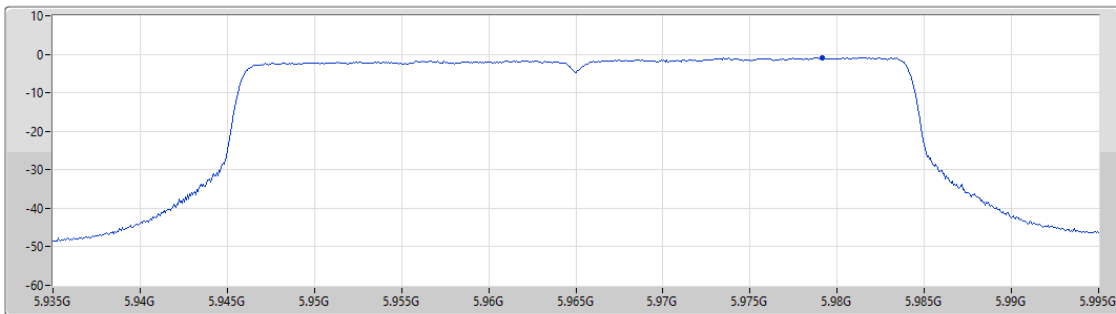
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.88	-0.88	-0.88

CT_AFC_SP_AP_AFCRSA31_Frequency_80MHz_10613_1

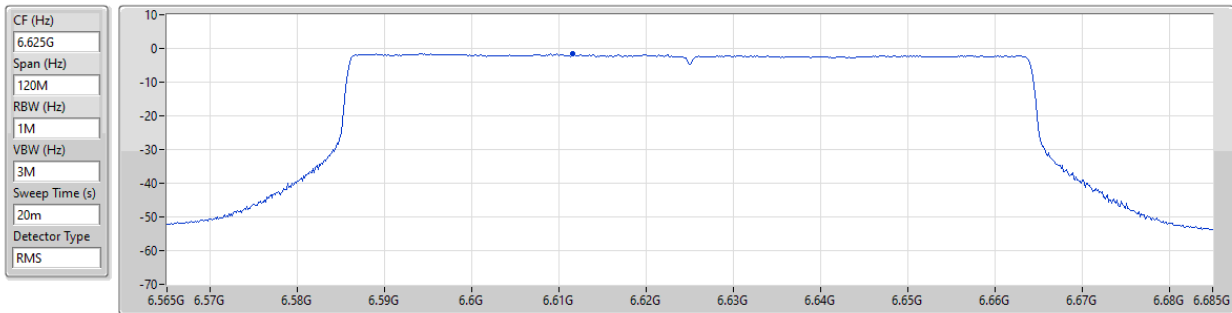
Frequency (MHz): 6625

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

PSD

6625MHz

02/06/2025



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.53	-1.53	-1.53

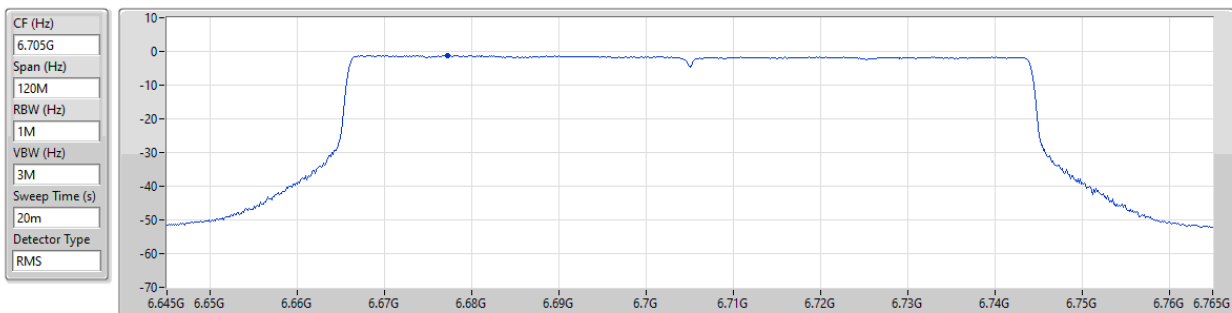
Frequency (MHz): 6705

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

PSD

6705MHz

02/06/2025



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.20	-1.20	-1.20

CT_AFC_SP_AP_AFCDRSA31_Frequency_160MHz_10614_1

Frequency (MHz): 6025

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

PSD

6025MHz

02/06/2025

CF (Hz)
6.025G

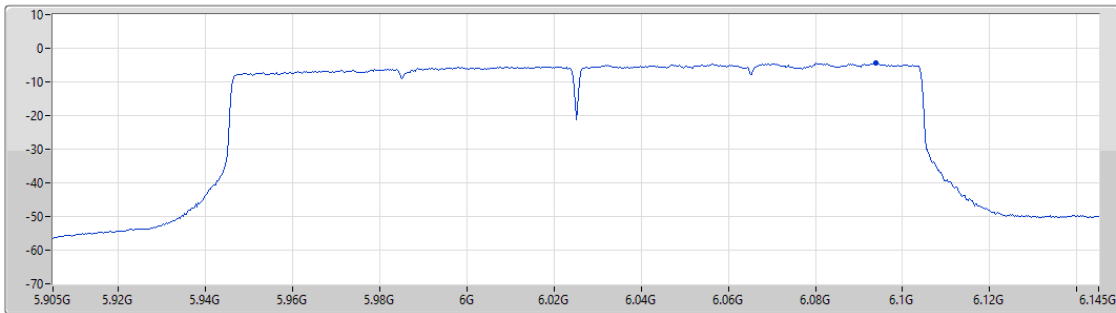
Span (Hz)
240M

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)
-4.38	-4.38	-4.38

Frequency (MHz): 6665

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

PSD

6665MHz

02/06/2025

CF (Hz)
6.665G

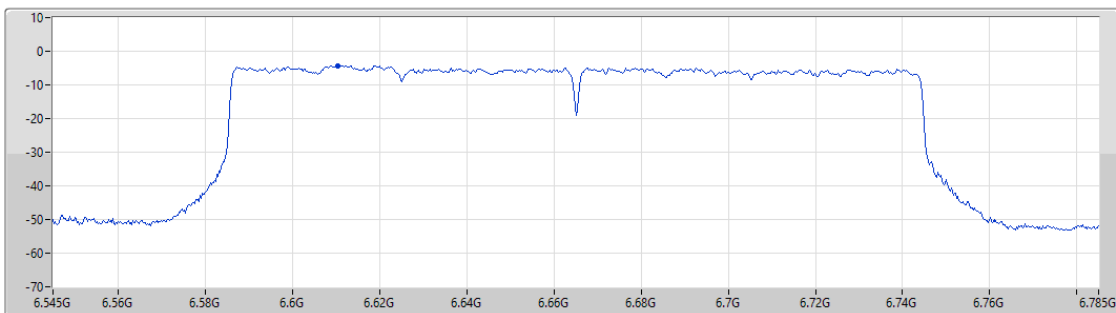
Span (Hz)
240M

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)
-4.22	-4.22	-4.22

CT_AFC_SP_AP_AFCDRSA31_Frequency_320MHz_10713_1

Frequency (MHz): 6105

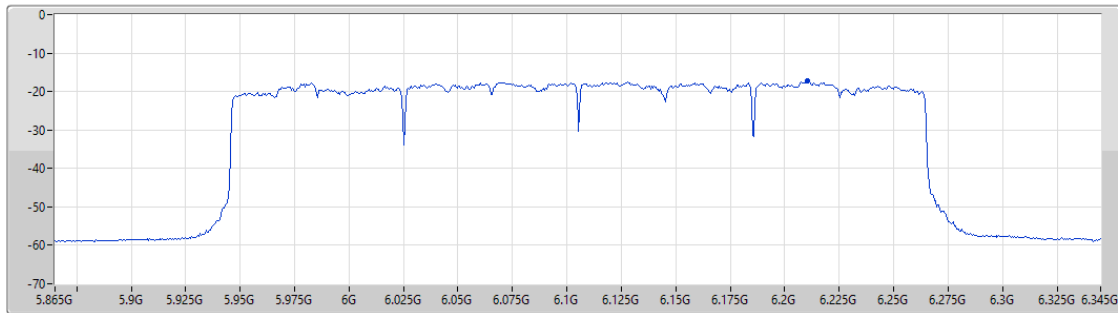
5.925-6.425GHz_802.11be EHT320_Nss1,(MCS0)_1TX

PSD

6105MHz

04/06/2025

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)
-17.32	-17.32	-17.32

CT_AFC_SP_AP_AFCDSAU33_Frequency_10616_1

Bandwidth: 20MHz

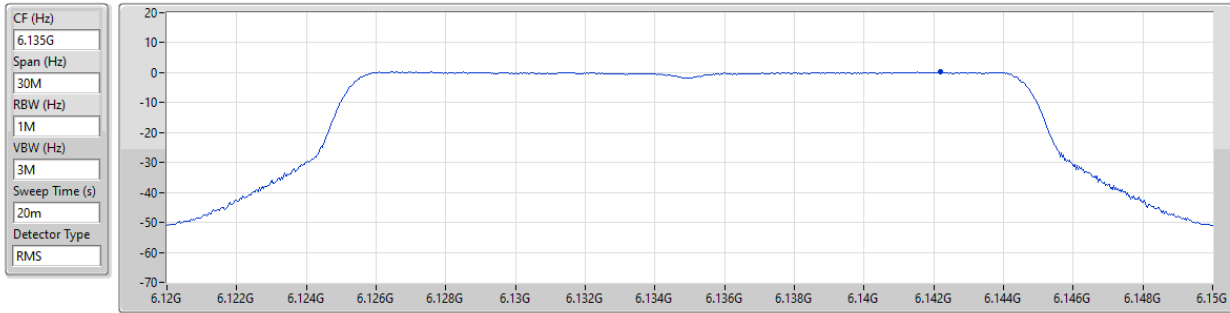
Frequency (MHz): 6135

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

PSD

6135MHz

03/06/2025



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.29	0.29	0.29

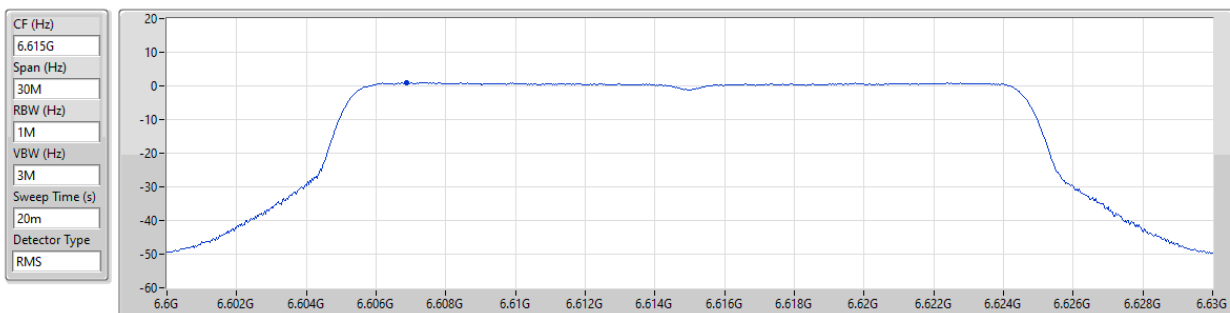
Frequency (MHz): 6615

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

PSD

6615MHz

03/06/2025



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.97	0.97	0.97

CT_AFC_SP_AP_AFCDUAU34_Frequency_10617_1

Bandwidth: 20MHz

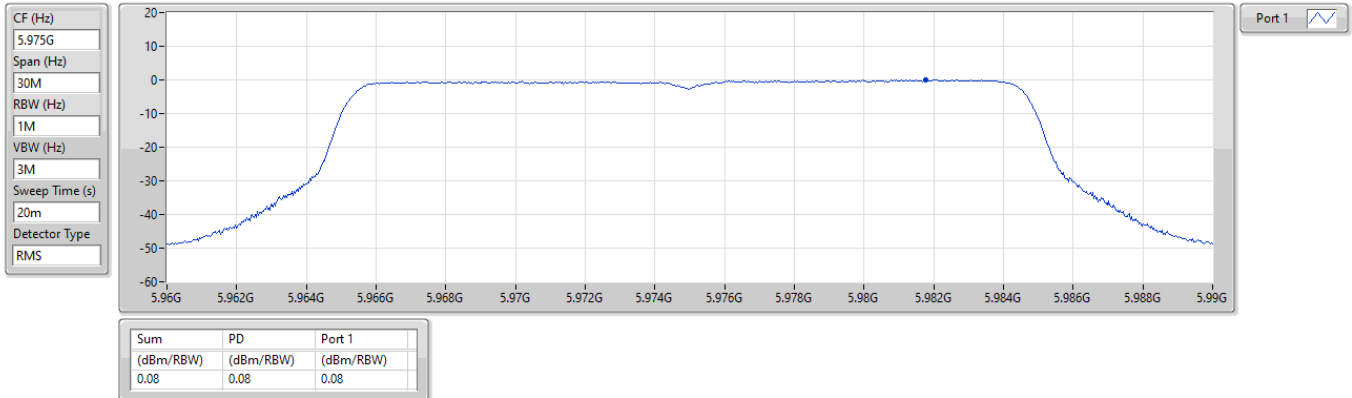
Frequency (MHz): 5975

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

PSD

5975MHz

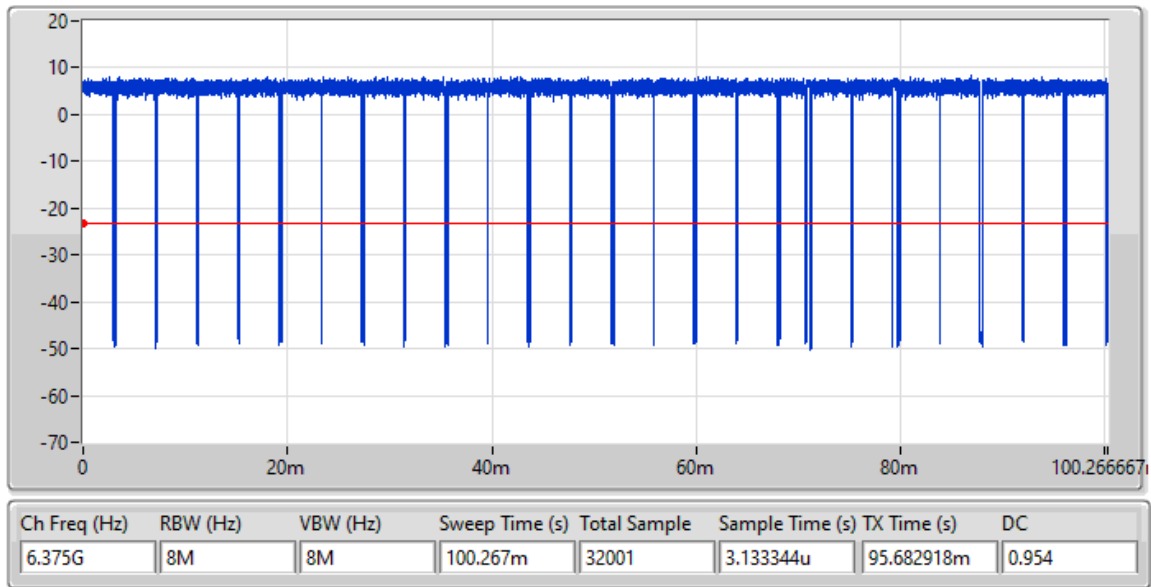
03/06/2025



Duty Cycle

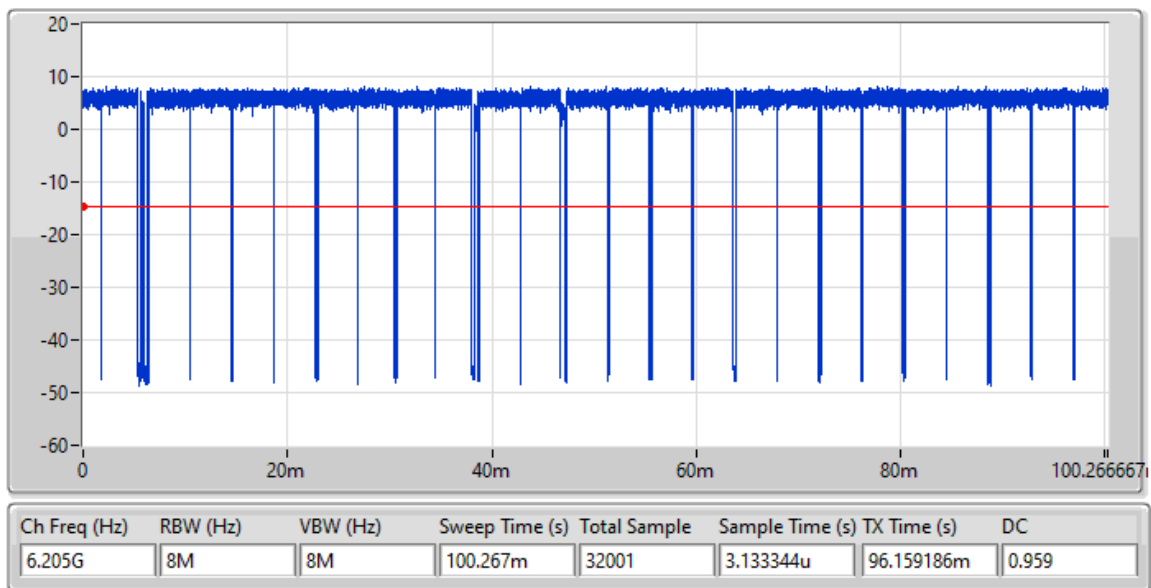
Bandwidth: 20MHz

DC;be20;BWch:20



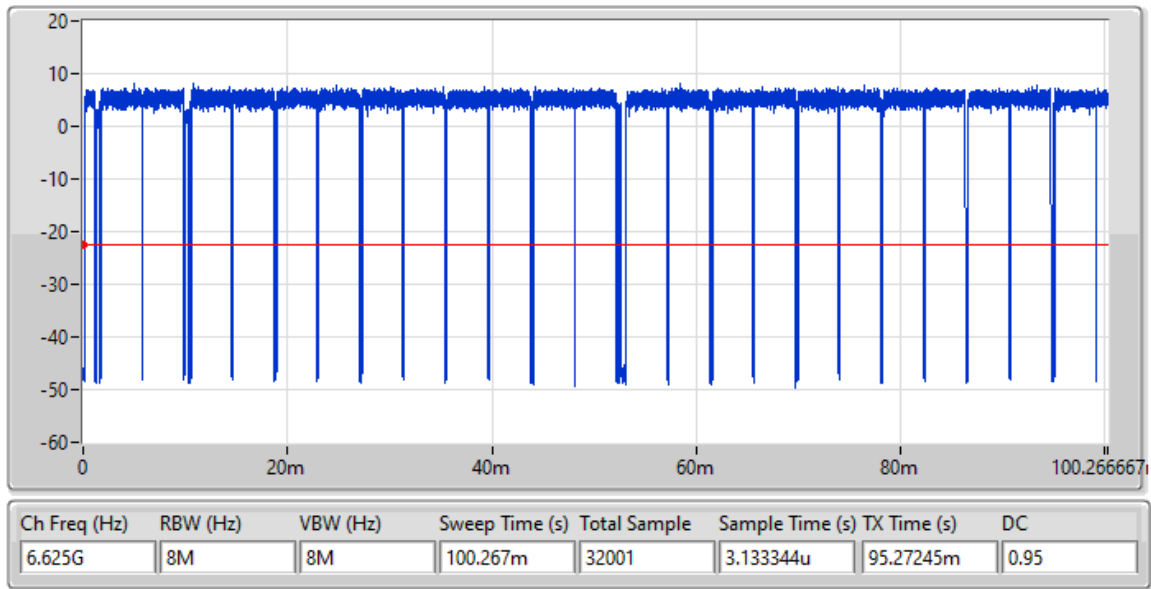
Bandwidth: 40MHz

DC;be40;BWch:40



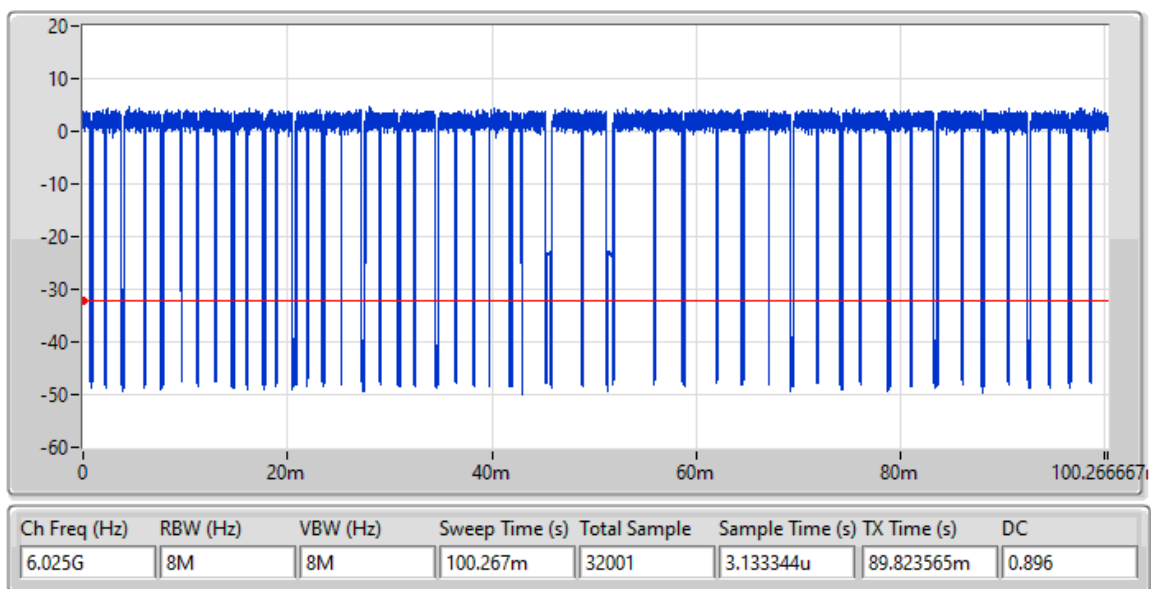
Bandwidth: 80MHz

DC;be80;BWch:80



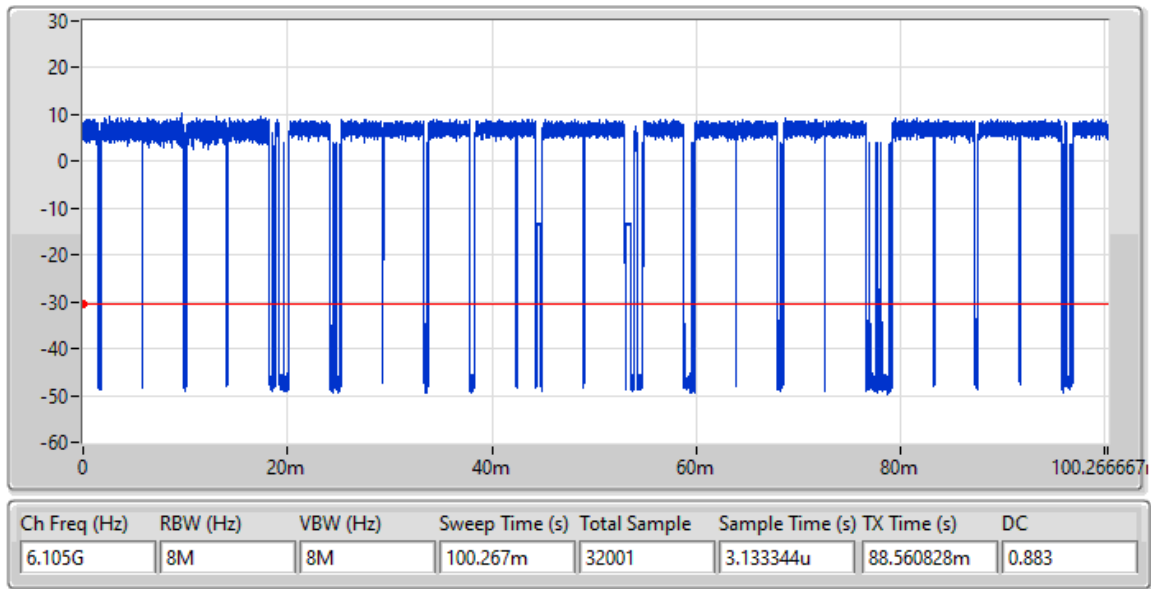
Bandwidth: 160MHz

DC;be160;BWch:160



Bandwidth: 320MHz

DC;be320;BWch:320



—THE END—