



AFC DUT TEST HARNESS REPORT

FCC ID : 2AHBN-AP47

Equipment : Wi-Fi 7 Wireless Access Point

Brand Name : Juniper

Model Name : AP47, AP47E, AP47D

Applicant : Juniper Networks, Inc.
1133 Innovation Way Sunnyvale, California 94089 USA

Manufacturer : Juniper Networks, Inc.
1133 Innovation Way Sunnyvale, California 94089 USA

Standard : 47 CFR FCC Part 15.407

The product was received on Oct. 15, 2024, and testing was started from Sep. 22, 2025 and completed on Sep. 27, 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 variant report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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



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Appendix A. Tools Report

Appendix B. DUT Spectrum Inquiry Request/Response Logs

Appendix C. RF Measurement Plots

Photographs of EUT v01



TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A12_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				
-	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Frequency_20MHz_10611_1	N/A	-
-	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Frequency_40MHz_10612_1	N/A	-
-	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Frequency_80MHz_10613_1	N/A	-
-	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Frequency_160MHz_10614_1	N/A	-
-	3.2.4	CT_AFC_SP_AP_AFCDUSA32_Frequency_10615_1	N/A	-
-	3.3.4	CT_AFC_SP_AP_AFCDSAU33_Frequency_10616_1	N/A	-
-	3.4.4	CT_AFC_SP_AP_AFCDUUA34_Frequency_10617_1	N/A	-
-	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Frequency_320MHz_10713_1	N/A	-
AFC capability - Inquired Channel				
Test Group: Inquired Channel - Always				
-	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Channel_20MHz_10618_1	N/A	-
-	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Channel_40MHz_10619_1	N/A	-
-	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Channel_80MHz_10620_1	N/A	-
-	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Channel_160MHz_10621_1	N/A	-
-	3.2.4	CT_AFC_SP_AP_AFCDUSA32_Channel_10622_1	N/A	-
-	3.3.4	CT_AFC_SP_AP_AFCDSAU33_Channel_10623_1	N/A	-
-	3.4.4	CT_AFC_SP_AP_AFCDUUA34_Channel_10624_1	N/A	-
-	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	PASS	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_40MHz_10626_1	PASS	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_80MHz_10627_1	PASS	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1	PASS	-
3.2	3.2.4	CT_AFC_SP_AP_AFCDUSA32_FrequencyChannel_10629_1	PASS	-
3.3	3.3.4	CT_AFC_SP_AP_AFCDSAU33_FrequencyChannel_10630_1	PASS	-
3.4	3.4.4	CT_AFC_SP_AP_AFCDUUA34_FrequencyChannel_10631_1	PASS	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_320MHz_10715_1	PASS	-
AFC capability - Server Validation – Mandatory				
Test Group: Server Validation - Always				
3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_NonMatchSAN_10632_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_MatchSuffixSAN_10634_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1	PASS	-

**Conformity Assessment Condition:**

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

Disclaimer:

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

Reviewed by: Sam Chen

Report Producer: Cathy Chiu



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature of Equipment Under Test	
Power Type	From PoE
EUT Type	☒ Standard Power Access Point with Proxy ☐ Standard Power Access Point without Proxy ☐ Fixed Client with Proxy ☐ Fixed Client without Proxy
Bandwidth (MHz)	For Indoor Access Point: For EUT 1~2: For Radio 1, 3 and Scanning Radio 4: 20 / 40 / 80 / 160 / 320 For Standard Power Access Point: For EUT 1~3: For Radio 1 and Scanning Radio 4: 20 / 40 / 80 / 160 / 320 For Radio 3: 20 / 40 / 80 / 160
Condition of EUT	☒ Indoor ☐ Outdoor
Professional Installation	☒ Yes ☐ No
Firmware Version	0.15.33739
Software Version	N/A
Hardware Version	437403
Proxy Firmware Version	N/A
Proxy Software Version	v0.0.123
Proxy Hardware Version	N/A

Note: The above information was declared by manufacturer.



1.2 Antenna Information

For EUT 1:

Ant.	RF Port	Brand Name	Model Name	Ant. Type	Connector	Gain (dBi)	Modes of Operation
1	2	Juniper	AP47	PIFA	IPEX	Note 1	WLAN 2.4GHz, WLAN 5GHz UNII 1-2A, WLAN 6GHz UNII 7-8 (Radio 3)
2	1	Juniper	AP47	PIFA	IPEX		
3	3	Juniper	AP47	PIFA	IPEX		
4	4	Juniper	AP47	PIFA	IPEX		
5	2	Juniper	AP47	Alford loop	IPEX		WLAN 5GHz UNII 1-2A or UNII 2C-4 (Radio 2)
6	1	Juniper	AP47	Alford loop	IPEX		
7	3	Juniper	AP47	Alford loop	IPEX		
8	4	Juniper	AP47	Alford loop	IPEX		
9	2	Juniper	AP47	PIFA	IPEX		WLAN 6GHz UNII 5 or UNII 6-8 (Radio 1)
10	1	Juniper	AP47	PIFA	IPEX		
11	3	Juniper	AP47	PIFA	IPEX		
12	4	Juniper	AP47	PIFA	IPEX		
13	2	Juniper	AP47	PIFA	IPEX		WLAN 2.4GHz, WLAN 5GHz UNII 1-4, WLAN 6GHz UNII 5-8 (Radio 4) (Scanning radio)
14	1	Juniper	AP47	PIFA	IPEX		
15	1	Juniper	AP47	PIFA	I-PEX		
16	1	Juniper	AP47	Slot	I-PEX		
17	1	Juniper	AP47	PIFA	I-PEX		Bluetooth (Radio 5)
18	1	Juniper	AP47	PIFA	IPEX		
19	2	Juniper	AP47	Patch	IPEX	4.7	
	3					1.4	
	4					1.8	
20	1	Juniper	AP47	PIFA	IPEX	2.9	802.15.4(Zigbee, Thread) (Radio 5)
						1.4	
							UWB (Radio 6)
							GPS (Radio 7)

Note 1:

Ant.	Antenna Gain (dBi)				
	WLAN 2.4GHz (Radio 3)		WLAN 5GHz UNII 1-2A (Radio 3)		WLAN 6GHz UNII 7-8 (Radio 3)
	2.45GHz	5.2GHz	5.3GHz	6.695GHz	6.995GHz
1	3.06	5.64	5.4	4.47	4.4
2	1.61	4.71	5.23	3.8	4
3	1.81	4.76	4.97	4.4	4.47
4	2.37	5.57	5.93	4.73	4.85
Ant.	WLAN 5GHz UNII 1-4 (Radio 2)				
	5.2GHz	5.3GHz	5.6GHz	5.785GHz	5.885GHz
	5.2GHz	5.3GHz	5.6GHz	5.785GHz	5.885GHz
5	2.46	2.37	3.82	3.81	4.17
6	2.43	2.15	2.98	3.49	3.81
7	2.56	2.33	2.65	3.39	3.44
8	3.28	2.61	4.3	4	3.92
Ant.	WLAN 6GHz UNII 5-8 (Radio 1)				
	6.175GHz	6.475GHz	6.695GHz	6.995GHz	
	6.175GHz	6.475GHz	6.695GHz	6.995GHz	
9	3.76	2.79	3.31	4.3	
10	3.16	2.9	2.57	3.68	
11	4.33	3.72	3.13	4.23	
12	4.63	3.97	3.57	5.09	



Ant.	WLAN 2.4GHz/5GHz UNII 1-4/WLAN 6GHz UNII 5-8 (Radio 4(Scanning radio))									
	2.45GHz	5.2GHz	5.3GHz	5.6GHz	5.785GHz	5.885GHz	6.175GHz	6.475GHz	6.695GHz	6.995GHz
13	2.29	3.12	3.98	4.37	4.51	5.79	4.9	3.84	4.73	4.62
14	2.28	4.62	3.66	5.76	4.67	5.83	4.73	4.72	3.36	3.72
Ant.	Bluetooth (Radio 5)									
	Bluetooth array (Beam 1-Beam 8/Omni)					Bluetooth array (Beam 9)				
15	4.2					-				
16	-					3				
Ant.	802.15.4(Zigbee, Thread) (Radio 5)									
	3.9									

Item	Directional Gain (dBi)											
	WLAN 2.4GHz (Radio 3)		WLAN 5GHz UNII 1-2A (Radio 3)				WLAN 6GHz UNII 7-8 (Radio 3)					
	2.45GHz		5.2GHz		5.3GHz		6.695GHz		6.995GHz			
4T1S	5.27		7.04		7.06		8.84		9.09			
4T2S	3.06		5.64		5.93		5.84		6.09			
4T4S	3.06		5.64		5.93		4.73		4.85			
Item	WLAN 5GHz UNII 1-4 (Radio 2)											
	5.2GHz		5.3GHz		5.6GHz		5.785GHz		5.885GHz			
	4T1S		7.11		6.52		7.65		7.52		7.28	
4T2S		4.11		3.52		4.65		4.52		4.28		
4T4S		3.28		2.61		4.3		4		4.17		
Item	WLAN 6GHz UNII 5-8 (Radio 1)											
	6.175GHz		6.475GHz			6.695GHz			6.995GHz			
	4T1S		7.65			7.01			6.42			7.54
4T2S		4.65			4.01			3.57			5.09	
4T4S		4.63			3.97			3.57			5.09	
Item	WLAN 2.4GHz/5GHz UNII 1-4/WLAN 6GHz UNII 5-8 (Radio 4(Scanning radio))											
	2.45GHz	5.2GHz	5.3GHz	5.6GHz	5.785GHz	5.885GHz	6.175GHz	6.475GHz	6.695GHz	6.995GHz		
2T1S	4.59	5.03	5.57	6.24	5.74	6.86	5.9	5.09	4.73	4.62		
2T2S	2.29	4.62	3.98	5.76	4.67	5.83	4.9	4.72	4.73	4.62		

Note 2: The above information (excepting Ant. 1-14 antenna gain and directional gain) was declared by manufacturer.

Note 3: The EUT has twenty antennas.

The ant.15 is BLE array (Beam 1-Beam 8/Omni).

The ant.16 is BLE array (Beam 9).

Beam 1-Beam 8, Omni, and Beam 9 can't operate simultaneously.

Note 4: Radio 1-4: Maximum Directional Gain following KDB662911 D03.

For Radio 1:

For 6GHz (UNII 5 or UNII 6-8) IEEE 802.11ax/be mode (4TX/4RX)

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

For Radio 2:

For 5GHz (UNII 1-2A or UNII 2C-4) IEEE 802.11a/n/ac/ax/be mode (4TX/4RX)

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

For Radio 3:

For 2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (4TX/4RX)

For 5GHz (UNII 1-2A) IEEE 802.11a/n/ac/ax/be mode (4TX/4RX)

For 6GHz (UNII 7-8) IEEE 802.11ax/be mode (4TX/4RX)

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

For Radio 4(Scanning radio):



For 2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (2TX/2RX)

For 5GHz (UNII 1-4) IEEE 802.11a/n/ac/ax/be mode (2TX/2RX)

For 6GHz (UNII 5-8) IEEE 802.11ax/be mode (2TX/2RX)

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

Port 1 and Port 2 could transmit/receive simultaneously.

For Radio 5:

For Bluetooth and 802.15.4(Zigbee, Thread) mode (1TX/1RX)

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

For Radio 6:

For UWB mode (2TX/4RX):

For 2TX

Port 1 and Port 2 can be use as transmitting antenna.

Port 1 and Port 2 could transmit simultaneously.

For 4RX

Port 1, Port 2, Port 3 and Port 4 can be used as receiving antennas.

Port 1, Port 2, Port 3 and Port 4 could receive simultaneously.

For Radio 7:

For GPS (1RX)

Only Port 1 can be used as receiving antenna.


For EUT 2:

Ant.	RF Port	Brand Name	Model Name	Ant. Type	Connector	Gain (dBi)	Modes of Operation
1	2	Juniper	AP47D	Dipole	IPEX	Note 1	WLAN 2.4GHz, WLAN 5GHz UNII 1-2A, WLAN 6GHz UNII 7-8 (Radio 3)
2	1	Juniper	AP47D	Dipole	IPEX		
3	3	Juniper	AP47D	Dipole	IPEX		
4	4	Juniper	AP47D	Dipole	IPEX		
5	2	Juniper	AP47D	Patch	IPEX		WLAN 5GHz UNII 1-2A or UNII 2C-4 (Radio 2)
6	1	Juniper	AP47D	Patch	IPEX		
7	3	Juniper	AP47D	Patch	IPEX		
8	4	Juniper	AP47D	Patch	IPEX		
9	2	Juniper	AP47D	Patch	IPEX		WLAN 6GHz UNII 5 or UNII 6-8 (Radio 1)
10	1	Juniper	AP47D	Patch	IPEX		
11	3	Juniper	AP47D	Patch	IPEX		
12	4	Juniper	AP47D	Patch	IPEX		
13	2	Juniper	AP47D	Dipole	IPEX		WLAN 2.4GHz, WLAN 5GHz UNII 1-4, WLAN 6GHz UNII 5-8 (Radio 4) (Scanning radio)
14	1	Juniper	AP47D	Dipole	IPEX		
15	1	Juniper	AP47D	PIFA	I-PEX		
16	1	Juniper	AP47D	Slot	I-PEX		
17	1	Juniper	AP47D	Dipole	I-PEX		Bluetooth (Radio 5)
18	1	Juniper	AP47D	Patch	IPEX	6.7	
19	2	Juniper	AP47D	Patch	IPEX	3.4	
	3					0.7	
	4					3.1	
20	1	Juniper	AP47D	PIFA	IPEX	4.6	GPS (Radio 7)

Note 1:

Ant.	Antenna Gain (dBi)				
	WLAN 2.4GHz (Radio 3)		WLAN 5GHz UNII 1-2A (Radio 3)		WLAN 6GHz UNII 7-8 (Radio 3)
	2.45GHz		5.2GHz	5.3GHz	6.695GHz 6.995GHz
1	5.34		3.6	3.6	6.21 7.65
2	5.33		4.58	4.48	6.68 8.1
3	5.53		4.05	4.27	7.32 7.93
4	5.16		5.23	4.51	7.75 8.36
Ant.	WLAN 5GHz UNII 1-4 (Radio 2)				
	5.2GHz	5.3GHz	5.6GHz	5.785GHz	5.885GHz
5	5.51	5.45	6.54	6.38	6.73
6	5.14	5.42	6.3	6.55	6.66
7	5.54	5.88	6.87	6.34	5.62
8	5.37	5.89	7.05	6.65	5.94
Ant.	WLAN 6GHz UNII 5-8 (Radio 1)				
	6.175GHz	6.475GHz	6.695GHz	6.995GHz	
9	7.86	7.99	6.72	7.15	
10	7.59	7.48	6.74	8.29	
11	5.81	6.3	5.48	6.44	
12	6.75	7.28	7.04	7.61	



Ant.	WLAN 2.4GHz/5GHz UNII 1-4/WLAN 6GHz UNII 5-8 (Radio 4(Scanning radio))									
	2.45GHz	5.2GHz	5.3GHz	5.6GHz	5.785GHz	5.885GHz	6.175GHz	6.475GHz	6.695GHz	6.995GHz
13	4.18	4.62	4.53	5.24	4.35	4.43	5.87	5.74	5.31	7.78
14	4.07	5.08	4.76	5.6	6.15	6.29	7.08	6.68	6.97	8.17
Ant.	Bluetooth (Radio 5)									
	Bluetooth array (Beam 1-Beam 8/Omni)					Bluetooth array (Beam 9)				
15	4.3					-				
16	-					3.7				
Ant.	802.15.4(Zigbee, Thread) (Radio 5)									
	6.6									

Item	Directional Gain (dBi)									
	WLAN 2.4GHz (Radio 3)		WLAN 5GHz UNII 1-2A (Radio 3)				WLAN 6GHz UNII 7-8 (Radio 3)			
	2.45GHz		5.2GHz		5.3GHz		6.695GHz		6.995GHz	
4T1S	8.34		7.3		7.56		10.62		10.8	
4T2S	5.53		5.23		4.56		7.75		8.36	
4T4S	5.53		5.23		4.51		7.75		8.36	
Item	WLAN 5GHz UNII 1-4 (Radio 2)									
	5.2GHz		5.3GHz		5.6GHz		5.785GHz		5.885GHz	
	9		8.75		9.58		9.57		9.06	
4T1S	6		5.89		7.05		6.65		6.73	
4T4S	5.54		5.89		7.05		6.65		6.73	
Item	WLAN 6GHz UNII 5-8 (Radio 1)									
	6.175GHz		6.475GHz			6.695GHz			6.995GHz	
	10.14		10.42			9.72			10.76	
4T1S	7.86		7.99			7.04			8.29	
4T4S	7.86		7.99			7.04			8.29	
Item	WLAN 2.4GHz/5GHz UNII 1-4/WLAN 6GHz UNII 5-8 (Radio 4(Scanning radio))									
	2.45GHz	5.2GHz	5.3GHz	5.6GHz	5.785GHz	5.885GHz	6.175GHz	6.475GHz	6.695GHz	6.995GHz
2T1S	6.71	7.72	7.56	8.11	8.31	8.35	9.44	9.16	9.02	10.8
2T2S	4.18	5.08	4.76	5.6	6.15	6.29	7.08	6.68	6.97	8.17

Note 2: The above information (excepting Ant. 1-14 antenna gain and directional gain) was declared by manufacturer.

Note 3: The EUT has twenty antennas.

The ant.15 is BLE array (Beam 1-Beam 8/Omni).

The ant.16 is BLE array (Beam 9).

Beam 1-Beam 8, Omni, and Beam 9 can't operate simultaneously.

Note 4: Radio 1-4: Maximum Directional Gain following KDB662911 D03.

For Radio 1:

For 6GHz (UNII 5 or UNII 6-8) IEEE 802.11ax/be mode (4TX/4RX)

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

For Radio 2:

For 5GHz (UNII 1-2A or UNII 2C-4) IEEE 802.11a/n/ac/ax/be mode (4TX/4RX)

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

For Radio 3:

For 2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (4TX/4RX)

For 5GHz (UNII 1-2A) IEEE 802.11a/n/ac/ax/be mode (4TX/4RX)

For 6GHz (UNII 7-8) IEEE 802.11ax/be mode (4TX/4RX)

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

For Radio 4(Scanning radio):



For 2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (2TX/2RX)

For 5GHz (UNII 1-4) IEEE 802.11a/n/ac/ax/be mode (2TX/2RX)

For 6GHz (UNII 5-8) IEEE 802.11ax/be mode (2TX/2RX)

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

Port 1 and Port 2 could transmit/receive simultaneously.

For Radio 5:

For Bluetooth and 802.15.4(Zigbee, Thread) mode (1TX/1RX)

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

For Radio 6:

For UWB mode (2TX/4RX):

For 2TX

Port 1 and Port 2 can be use as transmitting antenna.

Port 1 and Port 2 could transmit simultaneously.

For 4RX

Port 1, Port 2, Port 3 and Port 4 can be used as receiving antennas.

Port 1, Port 2, Port 3 and Port 4 could receive simultaneously.

For Radio 7:

For GPS (1RX)

Only Port 1 can be used as receiving antenna.


For EUT 3:

Ant.	RF Port	Brand Name	Model Name	Ant. Type	Connector	Gain (dBi)	Modes of Operation	
1	1	AccelTex	ATS-OP-2456-81010-14MPC-36	Patch	6MPC-WHT	Note 1	WLAN 2.4GHz, WLAN 5GHz UNII 1-2A, WLAN 6GHz UNII 7 (Radio 3)	
	2						WLAN 5GHz UNII 1-2A or UNII 2C-3 (Radio 2)	
	3						WLAN 6GHz UNII 5 or UNII 7 (Radio 1)	
	4						WLAN 2.4GHz, WLAN 5GHz UNII 1-3, WLAN 6GHz UNII 5, 7 (Radio 4) (Scanning radio)	
	1				4MPC		6MPC-BLK	6MPC-BLK
	2							
	3							
	4							
	1				6MPC-BLK		6MPC-BLK	6MPC-BLK
	2							
	3							
	4							
2	6MPC-BLK	6MPC-BLK	6MPC-BLK					
3								
4								
1								
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3								
4								
1								
2	6MPC-BLK	6MPC-BLK	6MPC-BLK					
3								
4								
1								
2								

Note 1:

Ant.	RF Port	Antenna Gain (dBi)		
		WLAN 2.4GHz (Radio 3)	WLAN 5GHz UNII 1-2A (Radio 3)	WLAN 6GHz UNII 7 (Radio 3)
1	1	8.46	10.01	10
	2	8.46	10.01	10
	3	8.46	10.01	10
	4	8.46	10.01	10
Ant.	RF Port	WLAN 5GHz UNII 1-3 (Radio 2)		
1	1	9.93		
	2	9.93		
	3	9.93		
	4	9.93		



Ant.	RF Port	WLAN 6GHz UNII 5 or UNII 7 (Radio 1)		
1	1	10.57		
	2	10.57		
	3	10.57		
	4	10.57		
	RF Port	WLAN 2.4GHz/5GHz UNII 1-3/WLAN 6GHz UNII 5, 7 (Radio 4(Scanning radio))		
		WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz
	1	7.8	9.5	10
	2	7.8	9.5	10
Ant.	Bluetooth (Radio 5)			
	Bluetooth array (Beam 1-Beam 8/Omni)		Bluetooth array (Beam 9)	
2	4.0		-	
3	-		2.8	
Ant.	802.15.4(Zigbee, Thread) (Radio 5)			
4	4.1			

Note 2: Directional gain information for Radio 1-3

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

Ex.

Directional Gain (NSS1) formula :

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

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

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

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

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

Where ;

Radio 1:

6G UNII-5 G1 = 10.57 dBi; G2 = 10.57 dBi; G3 = 10.57 dBi; G4 = 10.57 dBi

6G UNII-7 G1 = 10.57 dBi; G2 = 10.57 dBi; G3 = 10.57 dBi; G4 = 10.57 dBi

6G UNII-5 DG = 13.58 dBi

6G UNII-7 DG = 13.58 dBi

Radio 2:

5G UNII-1 G1 = 9.93 dBi; G2 = 9.93 dBi; G3 = 9.93 dBi; G4 = 9.93 dBi

5G UNII-2A G1 = 9.93 dBi; G2 = 9.93 dBi; G3 = 9.93 dBi; G4 = 9.93 dBi

5G UNII-2C G1 = 9.93 dBi; G2 = 9.93 dBi; G3 = 9.93 dBi; G4 = 9.93 dBi

5G UNII-3 G1 = 9.93 dBi; G2 = 9.93 dBi; G3 = 9.93 dBi; G4 = 9.93 dBi

5G UNII-1 DG = 12.94 dBi

5G UNII-2A DG = 12.94 dBi

5G UNII-2C DG = 12.94 dBi

5G UNII-3 DG = 12.94 dBi

Radio 3:

2.4G G1 = 8.46 dBi; G2 = 8.46 dBi; G3 = 8.46 dBi; G4 = 8.46 dBi

5G UNII-1 G1 = 10.01 dBi; G2 = 10.01 dBi; G3 = 10.01 dBi; G4 = 10.01 dBi

5G UNII-2A G1 = 10.01 dBi; G2 = 10.01 dBi; G3 = 10.01 dBi; G4 = 10.01 dBi

6G UNII-7 G1 = 10 dBi; G2 = 10 dBi; G3 = 10 dBi; G4 = 10 dBi

2.4G DG = 11.47 dBi

5G UNII-1 DG = 13.02 dBi

5G UNII-2A DG = 13.02 dBi

6G UNII-7 DG = 13.01 dBi



Note 3: The above information was declared by manufacturer.

Note 4: The EUT has seven antennas.

The ant. 2 is BLE array (Beam 1-Beam 8/Omni).

The ant. 3 is BLE array (Beam 9).

Beam 1-Beam 8, Omni, and Beam 9 can't operate simultaneously.

Note 5: The ant. 1 is the cross-polarized antenna.

The ant. 1 (6MPC-WHT connector and 4MPC connector): Vertical*2, Horizontal*2; the array gain only add $10\log(2)$.

The ant. 1 (6MPC-BLK connector) for radio 1: Vertical*2, Horizontal*2; the array gain only add $10\log(2)$.

The ant. 1 (6MPC-BLK connector) for radio 4: Vertical*1, Horizontal*1; it doesn't need to evaluate array gain.

Note 6: Radio 1-3: Maximum Directional Gain following KDB662911 D01.

For Radio 1:

For 6GHz (UNII 5 or UNII 7) IEEE 802.11ax/be mode (4TX/4RX)

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

For Radio 2:

For 5GHz (UNII 1-2A or UNII 2C-3) IEEE 802.11a/n/ac/ax/be mode (4TX/4RX)

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

For Radio 3:

For 2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (4TX/4RX)

For 5GHz (UNII 1-2A) IEEE 802.11a/n/ac/ax/be mode (4TX/4RX)

For 6GHz (UNII 7) IEEE 802.11ax/be mode (4TX/4RX)

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

For Radio 4(Scanning radio):

For 2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (2TX/2RX)

For 5GHz (UNII 1-3) IEEE 802.11a/n/ac/ax/be mode (2TX/2RX)

For 6GHz (UNII 5, 7) IEEE 802.11ax/be mode (2TX/2RX)

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

Port 1 and Port 2 could transmit/receive simultaneously.

For Radio 5:

For Bluetooth and 802.15.4(Zigbee, Thread) mode (1TX/1RX)

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

For Radio 6:

For UWB mode (2TX/4RX):

For 2TX

Port 1 and Port 2 can be use as transmitting antenna.

Port 1 and Port 2 could transmit simultaneously.

For 4RX

Port 1, Port 2, Port 3 and Port 4 can be used as receiving antennas.

Port 1, Port 2, Port 3 and Port 4 could receive simultaneously.

For Radio 7:

For GPS (1RX)

Only Port 1 can be used as receiving antenna.

1.3 Table for Multiple Listing

EUT	Model Name	WLAN 5GHz UNII 4	6ID	6SD	Wi-Fi antenna	UWB antenna (PDoA)	UWB antenna (TWR)	802.15.4 (Zigbee, Thread) antenna	Bluetooth antenna	GPS antenna	Description
1	AP47	Support	Support	Support	Internal Antenna	The same	AP47/AP47E the same	AP47/AP47E the same	The same	AP47/AP47E the same	-
2	AP47D	Support	Support	Support	Internal Antenna	The same	Not the same	Not the same	The same	Not the same	The difference with AP47 is only in Wi-Fi, UWB(TWR), 802.15.4 (Zigbee, Thread) and GPS antenna.
3	AP47E	Non Support	Non Support	Support	External Antenna	The same	AP47/AP47E the same	AP47/AP47E the same	The same	AP47/AP47E the same	-

Note1: All models are identical to each other in all aspects except for the listing table.

Note2: From the above, EUT 2 and EUT 3 have selected to execute all test items and EUT 1 has selected to execute Spot Check.

Note3: The above information was declared by manufacturer.

1.4 Table for Radio Function

For Indoor Access Point:

For EUT 1 and EUT 2:

Radio \ Function	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	Bluetooth	802.15.4 (Zigbee, Thread)	UWB	GPS
1	-	-	V (UNII 5 or UNII 6-8)	-	-	-	-
2	-	V (UNII 1-2A or UNII2C-4)	-	-	-	-	-
3	V	V (UNII 1-2A)	V (UNII 7-8)	-	-	-	-
4 (Scanning radio)	V	V (UNII 1-4)	V (UNII 5-8)	-	-	-	-
5	-	-	-	V	V	-	-
6	-	-	-	-	-	V	-
7	-	-	-	-	-	-	V

Note1: The above information was declared by manufacturer.

Note2: For WLAN 2.4GHz: The Radio 3 and Radio 4(Scanning radio) can't operate at the same frequency simultaneously.

For WLAN 5GHz: The Radio 2, 3 and Radio 4(Scanning radio) can't operate at the same frequency simultaneously.

For WLAN 6GHz: The Radio 1, 3 and Radio 4(Scanning radio) can't operate at the same frequency simultaneously.

For EUT 3:

Radio \ Function	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	Bluetooth	802.15.4 (Zigbee, Thread)	UWB	GPS
1	-	-	-	-	-	-	-
2	-	V (UNII 1-2A or UNII2C-3)	-	-	-	-	-
3	V	V (UNII 1-2A)	-	-	-	-	-
4 (Scanning radio)	V	V (UNII 1-3)	-	-	-	-	-
5	-	-	-	V	V	-	-
6	-	-	-	-	-	V	-
7	-	-	-	-	-	-	V

Note1: The above information was declared by manufacturer.

Note2: The Radio 1 is not enabled.

Note3: For WLAN 2.4GHz: The Radio 3 and Radio 4(Scanning radio) can't operate at the same frequency simultaneously.

For WLAN 5GHz: The Radio 2, 3 and Radio 4(Scanning radio) can't operate at the same frequency simultaneously.

For Standard Power Access Point:
For EUT 1 and EUT 2:

Radio \ Function	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	Bluetooth	802.15.4 (Zigbee, Thread)	UWB	GPS
1	-	-	V (UNII 5 or UNII 7)	-	-	-	-
2	-	V (UNII 1-2A or UNII2C-4)	-	-	-	-	-
3	V	V (UNII 1-2A)	V (UNII 7)	-	-	-	-
4 (Scanning radio)	V	V (UNII 1-4)	V (UNII 5, 7)	-	-	-	-
5	-	-	-	V	V	-	-
6	-	-	-	-	-	V	-
7	-	-	-	-	-	-	V

Note1: The above information was declared by manufacturer.

Note2: For WLAN 2.4GHz: The Radio 3 and Radio 4(Scanning radio) can't operate at the same frequency simultaneously.

For WLAN 5GHz: The Radio 2, 3 and Radio 4(Scanning radio) can't operate at the same frequency simultaneously.

For WLAN 6GHz: The Radio 1, 3 and Radio 4(Scanning radio) can't operate at the same frequency simultaneously.

For EUT 3:

Radio \ Function	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	Bluetooth	802.15.4 (Zigbee, Thread)	UWB	GPS
1	-	-	V (UNII 5 or UNII 7)	-	-	-	-
2	-	V (UNII 1-2A or UNII2C-3)	-	-	-	-	-
3	V	V (UNII 1-2A)	V (UNII 7)	-	-	-	-
4 (Scanning radio)	V	V (UNII 1-3)	V (UNII 5, 7)	-	-	-	-
5	-	-	-	V	V	-	-
6	-	-	-	-	-	V	-
7	-	-	-	-	-	-	V

Note1: The above information was declared by manufacturer.

Note2: For WLAN 2.4GHz: The Radio 3 and Radio 4(Scanning radio) can't operate at the same frequency simultaneously.

For WLAN 5GHz: The Radio 2, 3 and Radio 4(Scanning radio) can't operate at the same frequency simultaneously.

For WLAN 6GHz: The Radio 1, 3 and Radio 4(Scanning radio) can't operate at the same frequency simultaneously.



1.5 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: 4O0708

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

Modifications	Performance Checking
Adding the Standard Power Access Point mode.	AFC DUT Test Harness

1.6 Accessories

Accessories
Bracket*1
Antenna Bracket of Ant. 1 (Used for EUT 3) Note

Note: Optional, not sold with EUT.

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	POE60U-BTA	N/A

1.8 Applicable Standards

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

- ♦ 47 CFR FCC Part 15.407

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

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



1.9 Testing Location

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted (For EUT 1)	TH01-CB	Caster Chang	21.3-22.0 / 61-64	Sep. 24, 2025~ Sep. 26, 2025
RF Conducted (For EUT 2)	TH01-CB	Caster Chang	22.6-22.7 / 60-65	Sep. 22, 2025~ Sep. 27, 2025
RF Conducted (For EUT 3)	TH01-CB	Caster Chang	22.8-23.1 / 61-64	Sep. 24, 2025



2 Measurement Environment

Measurement Environment Information	
AFC DUT Test Harness version	2.0.65.184

2.1 AFCD General Capabilities Declaration

For EUT 1, 2:

For Radio 1:

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



For Radio 3:

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



For EUT 3:

For Radio 1:

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

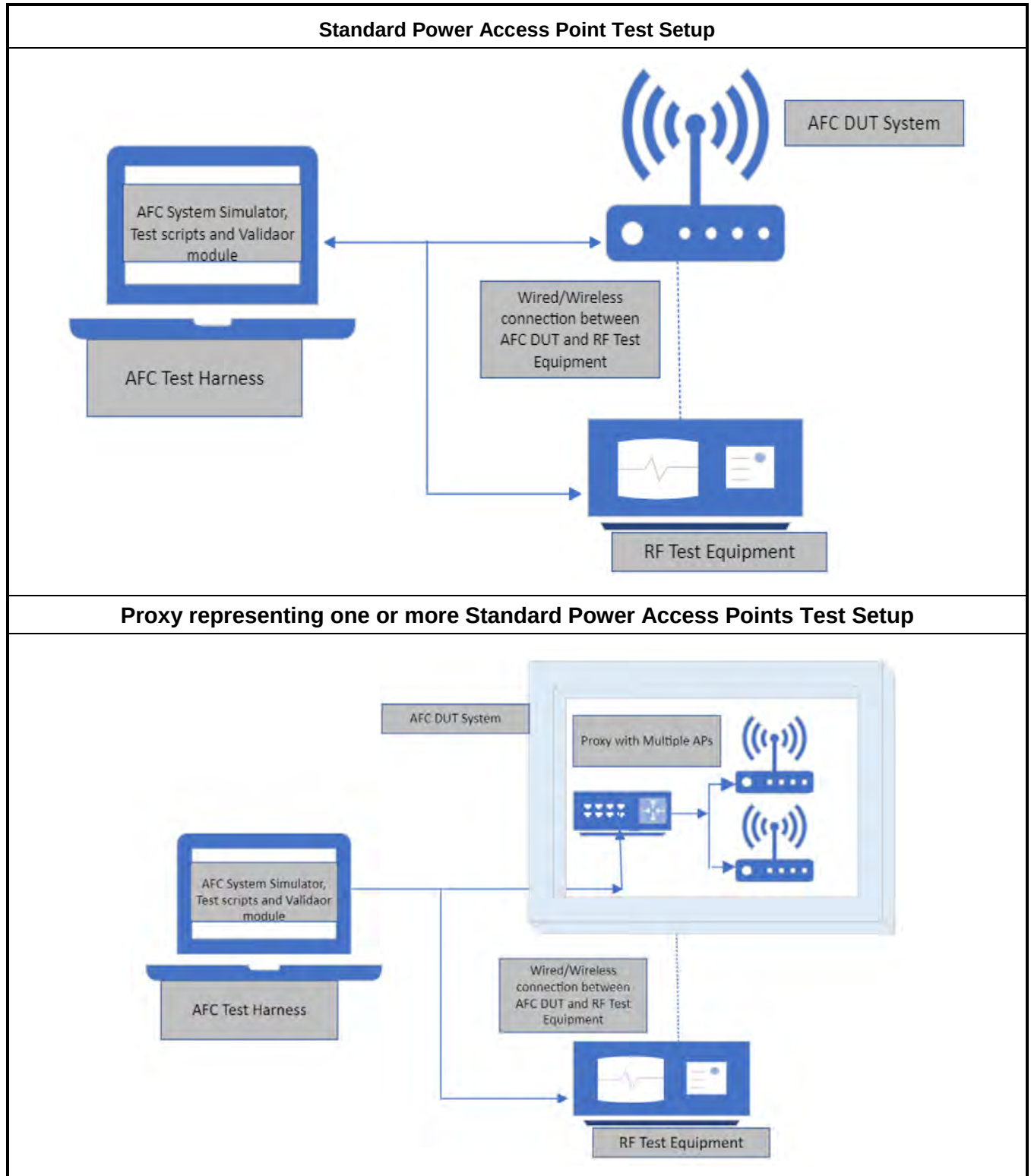


For Radio 3:

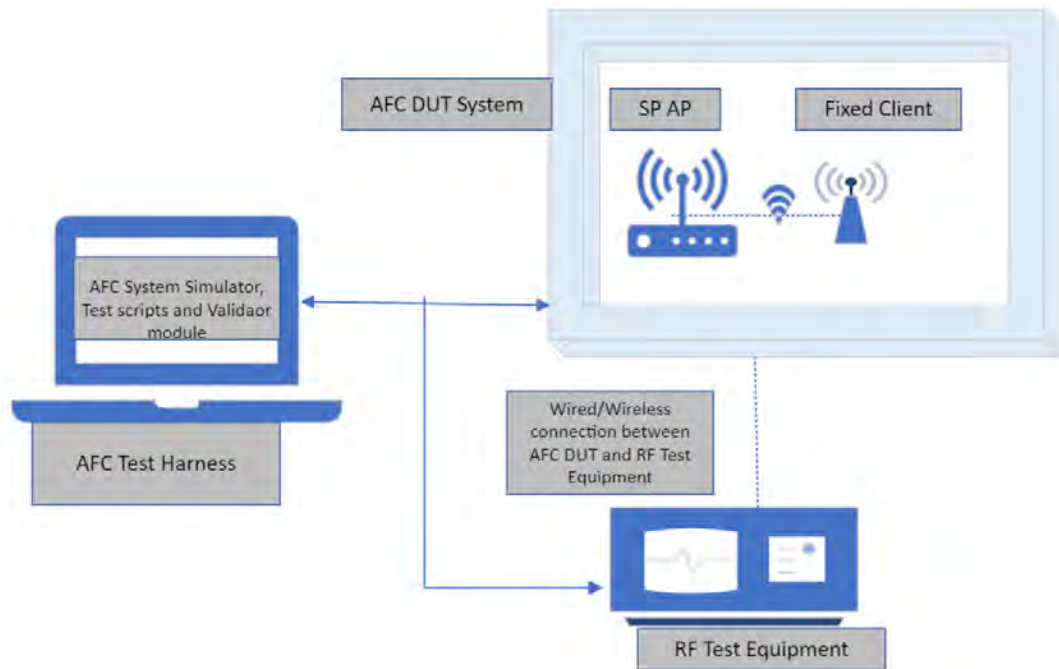
Item	Question	Vendor Response
1	AFC DUT Type	Standalone AP with Proxy
2	Does the AFC DUT supports sending an Available Spectrum Inquiry Request based on the inquired Frequency Range field?	Yes
3	Does the AFC DUT supports sending an Available Spectrum Inquiry Request based on the inquired Channels fields?	Yes
4	If the Answer to Items 2 and 3 is "Yes", what is AFC DUT's default inquiry type?	Both
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
s8	If the Answer to Item 7 is "Yes". What is the geographic Supported by the AFC DUT?	N/A
9	Does the AFC DUT supports 160 MHz channel width operation?	Yes
10	Which method does AFC DUT acting as a Fixed Client uses for sending an Available Spectrum Inquiry Request?	No
11	Does the AFC DUT supports 320 MHz channel width operation?	No

Note: The above information was declared by manufacturer.

2.2 Test Configuration



Fixed Client Device Test Setup





3 Protocol Test Results

3.1 Successful Registration and Spectrum Access Request

3.1.1 Test Procedure

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



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

3.1.2 Test Result

Refer as Appendix A~C

3.2 Unsuccessful Spectrum Access Request

3.2.1 Test Procedure

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

3.2.2 Test Result

Refer as Appendix A~C



3.3 Successful Spectrum Access Update

3.3.1 Test Procedure

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



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

3.3.2 Test Result

Refer as Appendix A~C



3.4 Unsuccessful Spectrum Access Update

3.4.1 Test Procedure

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



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

3.4.2 Test Result

Refer as Appendix A~C



3.5 Unsuccessful Server Validation

3.5.1 Test Procedure

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

3.5.2 Test Result

Refer as Appendix A



4 Test Equipment and Calibration Data

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

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	Juniper
DUT Product Model	AP47

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_MatchSuffixSAN_10634_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_NonMatchSAN_10632_1 (Unsuccessful server validation)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_320MHz_10715_1 (Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_20MHz_10625_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1 (Unsuccessful server validation)

TestResult: PASS

Band: 6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1 (Unsuccessful server validation)

TestResult: PASS

Band: 6GHz

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

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

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

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

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

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

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

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

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

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

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

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

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

TestCaseName: CT_AFC_SP_AP_AFCRSA31_FrequencyChannel_320MHz_10715_1 (Successful registration and spectrum access request)
 TestResult: PASS
 Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (6.2 dBm/MHz PSD, 31.3 dBm EIRP) in Spectrum Response] 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 transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (1.8 dBm/MHz PSD, 26.9 dBm EIRP) in Spectrum Response] 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_AFCRSA31_FrequencyChannel_20MHz_10625_1 (Successful registration and spectrum access request)
 TestResult: PASS
 Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS

AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (8.1 dBm/MHz PSD, 21.1 dBm EIRP) in Spectrum Reponse] on channel 5 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (20.2 dBm/MHz PSD, 33.2 dBm EIRP) in Spectrum Reponse] on channel 69 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP with Proxy
DUT Vendor Name	Juniper
DUT Product Model	AP47

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_MatchSuffixSAN_10634_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_NonMatchSAN_10632_1 (Unsuccessful server validation)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1 (Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_20MHz_10625_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1 (Unsuccessful server validation)

TestResult: PASS

Band: 6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1 (Unsuccessful server validation)

TestResult: PASS

Band: 6GHz

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

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

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

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

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

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

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

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

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

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

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

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

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

TestCaseName: CT_AFC_SP_AP_AFCDSA31_FrequencyChannel_160MHz_10628_1 (Successful registration and spectrum access request)
 TestResult: PASS
 Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (9.5 dBm/MHz PSD, 31.5 dBm EIRP) in Spectrum Reponse] on channel center frequency index 143 bandwidth 160.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (8.3 dBm/MHz PSD, 30.3 dBm EIRP) in Spectrum Reponse] on channel center frequency index 79 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_AFCDSA31_FrequencyChannel_20MHz_10625_1 (Successful registration and spectrum access request)
 TestResult: PASS
 Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS

AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (14.4 dBm/MHz PSD, 27.4 dBm EIRP) in Spectrum Reponse] on channel 165 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (10.7 dBm/MHz PSD, 23.7 dBm EIRP) in Spectrum Reponse] on channel 149 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP with Proxy
DUT Vendor Name	Juniper
DUT Product Model	AP47D

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1(Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1(Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1(Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1(Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1(Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_MatchSuffixSAN_10634_1(Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1(Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_NonMatchSAN_10632_1(Unsuccessful server validation)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_320MHz_10715_1(Successful registration and spectrum access request)	PASS
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDUAU34_FrequencyChannel_10631_1(Unsuccessful spectrum access update)	PASS
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDUAU33_FrequencyChannel_10630_1(Successful spectrum access update)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii)	CT_AFC_SP_AP_AFCDUSA32_FrequencyChannel_10629_1(Unsuccessful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1(Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_80MHz_10627_1(Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_40MHz_10626_1(Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_20MHz_10625_1(Successful registration and spectrum access request)	PASS

Test Measurements

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

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

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

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

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

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

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

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

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

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

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

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_NonMatchSAN_10632_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_320MHz_10715_1 (Successful registration and spectrum access request)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (6.9 dBm/MHz PSD, 32.0 dBm EIRP) in Spectrum Response] 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 transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (-3.6 dBm/MHz PSD, 21.5 dBm EIRP) in Spectrum Response] 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_AFCDAU34_FrequencyChannel_10631_1 (Unsuccessful spectrum access update)
 TestResult: PASS
 Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (23 dBm/MHz PSD, 36.0 dBm EIRP) in Spectrum Reponse] on channel 85 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_AFCDAU33_FrequencyChannel_10630_1 (Successful spectrum access update)
 TestResult: PASS
 Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION_1	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (18.0 dBm/MHz PSD, 31.0 dBm EIRP) in Spectrum Reponse] on channel 5 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

TestCaseName: CT_AFC_SP_AP_AFCDAU32_FrequencyChannel_10629_1 (Unsuccessful registration and spectrum access request)

TestResult:PASS
Band:6GHz

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

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1 (Successful registration and spectrum access request)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (8.1 dBm/MHz PSD, 30.1 dBm EIRP) in Spectrum Reponse] on channel center frequency index 47 bandwidth 160.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (9.8 dBm/MHz PSD, 31.8 dBm EIRP) in Spectrum Reponse] on channel center frequency index 15 bandwidth 160.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_80MHz_10627_1 (Successful registration and spectrum access request)

TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (11.5 dBm/MHz PSD, 30.5 dBm EIRP) in Spectrum Reponse] on channel center frequency index 23 bandwidth 80.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (10.8 dBm/MHz PSD, 29.8 dBm EIRP) in Spectrum Reponse] on channel center frequency index 7 bandwidth 80.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_40MHz_10626_1 (Successful registration and spectrum access request)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (12.2 dBm/MHz PSD, 28.2 dBm EIRP) in Spectrum Reponse] on channel center	true	PASS

	frequency index 131 bandwidth 40.		
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (9.7 dBm/MHz PSD, 25.7 dBm EIRP) in Spectrum Reponse] on channel center frequency index 19 bandwidth 40.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_20MHz_10625_1 (Successful registration and spectrum access request)
TestResult: PASS
Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (17.6 dBm/MHz PSD, 30.6 dBm EIRP) in Spectrum Reponse] 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 transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (10.8 dBm/MHz PSD, 23.8 dBm EIRP) in Spectrum Reponse] on channel 69 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP with Proxy
DUT Vendor Name	Juniper
DUT Product Model	AP47D

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_TLS cipherSuiteENULL_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)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDUAU34_FrequencyChannel_10631_1(Unsuccessful spectrum access update)	PASS
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDUAU33_FrequencyChannel_10630_1(Successful spectrum access update)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii)	CT_AFC_SP_AP_AFCDUSA32_FrequencyChannel_10629_1(Unsuccessful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1(Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_80MHz_10627_1(Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_40MHz_10626_1(Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_20MHz_10625_1(Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_MatchSuffixSAN_10634_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

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

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

TestCaseName: CT_AFC_SP_AP_AFCDAU34_FrequencyChannel_10631_1 (Unsuccessful spectrum access update)
 TestResult:PASS
 Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (23 dBm/MHz PSD, 36.0 dBm EIRP) in Spectrum Reponse] on channel 165 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

TestCaseName: CT_AFC_SP_AP_AFCDAU33_FrequencyChannel_10630_1 (Successful spectrum access update)
 TestResult:PASS
 Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION_1	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS

AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD), SP limits (18.0 dBm/MHz PSD, 31.0 dBm EIRP) in Spectrum Reponse] on channel 149 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

TestCaseName: CT_AFC_SP_AP_AFCDUSA32_FrequencyChannel_10629_1 (Unsuccessful registration and spectrum access request)
TestResult:PASS
Band:6GHz

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

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1 (Successful registration and spectrum access request)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD), SP limits (11.1 dBm/MHz PSD, 33.1 dBm EIRP) in Spectrum Reponse] on channel center-frequency index 79 bandwidth 160.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (8.7 dBm/MHz PSD, 30.7 dBm EIRP) in Spectrum Reponse] 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_FrequencyChannel_80MHz_10627_1 (Successful registration and spectrum access request)
 TestResult: PASS
 Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (8.8 dBm/MHz PSD, 27.8 dBm EIRP) in Spectrum Reponse] on channel center frequency index 167 bandwidth 80.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (10.4 dBm/MHz PSD, 29.4 dBm EIRP) in Spectrum Reponse] on channel center frequency index 151 bandwidth 80.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_40MHz_10626_1 (Successful registration and spectrum access request)
 TestResult: PASS
 Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (9.6 dBm/MHz PSD, 25.6 dBm EIRP) in Spectrum Response] on channel center frequency index 163 bandwidth 40.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (15.5 dBm/MHz PSD, 31.5 dBm EIRP) in Spectrum Response] on channel center frequency index 147 bandwidth 40.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_20MHz_10625_1 (Successful registration and spectrum access request)
 TestResult: PASS
 Band: 6GHz

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

	(18.4 dBm/MHz PSD, 31.4 dBm EIRP) in Spectrum Reponse] on channel 133 bandwidth 20.		
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (12.8 dBm/MHz PSD, 25.8 dBm EIRP) in Spectrum Reponse] on channel 149 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP with Proxy
DUT Vendor Name	Juniper
DUT Product Model	AP47E

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1(Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1(Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1(Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1(Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1(Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_MatchSuffixSAN_10634_1(Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1(Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_NonMatchSAN_10632_1(Unsuccessful server validation)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_320MHz_10715_1(Successful registration and spectrum access request)	PASS
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDUAU34_FrequencyChannel_10631_1(Unsuccessful spectrum access update)	PASS
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDUAU33_FrequencyChannel_10630_1(Successful spectrum access update)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii)	CT_AFC_SP_AP_AFCDUSA32_FrequencyChannel_10629_1(Unsuccessful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1(Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_80MHz_10627_1(Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_40MHz_10626_1(Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_20MHz_10625_1(Successful registration and spectrum access request)	PASS

Test Measurements

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

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

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

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

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

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

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

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

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

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

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

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_NonMatchSAN_10632_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_320MHz_10715_1 (Successful registration and spectrum access request)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (9.2 dBm/MHz PSD, 34.3 dBm EIRP) on channel center frequency index 31 bandwidth 320.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (-1.6 dBm/MHz PSD, 23.5 dBm EIRP) on channel center frequency index 63 bandwidth 320.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDAU34_FrequencyChannel_10631_1 (Unsuccessful spectrum access update)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (23 dBm/MHz PSD, 36.0 dBm EIRP) on channel 85 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

TestCaseName: CT_AFC_SP_AP_AFCDSAU33_FrequencyChannel_10630_1 (Successful spectrum access update)
 TestResult: PASS
 Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION_1	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (16.4 dBm/MHz PSD, 29.4 dBm EIRP) on channel 165 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

TestCaseName: CT_AFC_SP_AP_AFCDUSA32_FrequencyChannel_10629_1 (Unsuccessful registration and spectrum access request)
 TestResult: PASS
 Band: 6GHz

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

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1 (Successful registration and spectrum access request)
TestResult: PASS
Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (9.3 dBm/MHz PSD, 31.3 dBm EIRP) 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 (9.5 dBm/MHz PSD, 31.5 dBm EIRP) on channel center frequency index 47 bandwidth 160.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_80MHz_10627_1 (Successful registration and spectrum access request)
TestResult: PASS
Band: 6GHz

Measurements Name	Description	Value	Validation Result
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AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (9.2 dBm/MHz PSD, 28.2 dBm EIRP) on channel center frequency index 71 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 (8.9 dBm/MHz PSD, 27.9 dBm EIRP) on channel center frequency index 39 bandwidth 80.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCRSA31_FrequencyChannel_40MHz_10626_1 (Successful registration and spectrum access request)
 TestResult: PASS
 Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (10.0 dBm/MHz PSD, 26.0 dBm EIRP) on channel center frequency index 131 bandwidth 40.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS

AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (18.0 dBm/MHz PSD, 34.0 dBm EIRP) on channel center frequency index 83 bandwidth 40.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_20MHz_10625_1 (Successful registration and spectrum access request)
TestResult: PASS
Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (19.7 dBm/MHz PSD, 32.7 dBm EIRP) 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 (17.0 dBm/MHz PSD, 30.0 dBm EIRP) on channel 37 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 DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP with Proxy
DUT Vendor Name	Juniper
DUT Product Model	AP47E

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)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDUAU34_FrequencyChannel_10631_1 (Unsuccessful spectrum access update)	PASS
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDUAU33_FrequencyChannel_10630_1 (Successful spectrum access update)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii)	CT_AFC_SP_AP_AFCDUSA32_FrequencyChannel_10629_1 (Unsuccessful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1 (Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_80MHz_10627_1 (Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_40MHz_10626_1 (Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_20MHz_10625_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_MatchSuffixSAN_10634_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

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

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

TestCaseName: CT_AFC_SP_AP_AFCDAU34_FrequencyChannel_10631_1 (Unsuccessful spectrum access update)
 TestResult:PASS
 Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (23 dBm/MHz PSD, 36.0 dBm EIRP) on channel 165 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

TestCaseName: CT_AFC_SP_AP_AFCDAU33_FrequencyChannel_10630_1 (Successful spectrum access update)
 TestResult:PASS
 Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION_1	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (11.5 dBm/MHz	true	PASS

	PSD, 24.5 dBm EIRP) on channel 165 bandwidth 20.		
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

TestCaseName: CT_AFC_SP_AP_AFCDUSA32_FrequencyChannel_10629_1 (Unsuccessful registration and spectrum access request)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1 (Successful registration and spectrum access request)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (11.0 dBm/MHz PSD, 33.0 dBm EIRP) on channel center frequency index 143 bandwidth 160.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS

AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (8.7 dBm/MHz PSD, 30.7 dBm EIRP) on channel center frequency index 15 bandwidth 160.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_80MHz_10627_1 (Successful registration and spectrum access request)
TestResult: PASS
Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (12.9 dBm/MHz PSD, 31.9 dBm EIRP) on channel center frequency index 151 bandwidth 80.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (9.6 dBm/MHz PSD, 28.6 dBm EIRP) on channel center frequency index 135 bandwidth 80.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_40MHz_10626_1 (Successful registration and spectrum access request)
TestResult: PASS
Band: 6GHz

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

AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (10.7 dBm/MHz PSD, 26.7 dBm EIRP) on channel center frequency index 147 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 (9.0 dBm/MHz PSD, 25.0 dBm EIRP) on channel center frequency index 131 bandwidth 40.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_20MHz_10625_1 (Successful registration and spectrum access request)
TestResult: PASS
Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (21.1 dBm/MHz PSD, 34.1 dBm EIRP) on channel 149 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_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 (8.4 dBm/MHz PSD, 21.4 dBm EIRP) 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 & Channel**CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_20MHz_10625_1**

2025-09-24T06:42:59Z

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```



```
        "lowFrequency": 6005
      },
      "maxPsd": 16.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
      },
      "maxPsd": 14.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
      },
      "maxPsd": 18.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
      },
      "maxPsd": 21.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
      "maxPsd": 14.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
    },
```

```
"maxPsd": 13.0
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 20.6
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 13.2
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 11.8
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 14.3
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 8.8
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 21.2
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 15.3
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      129,
      133,
      137,
      141,
      161,
      165,
      169,
      173
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
```

```
                27.2,
                21.1,
                23.8,
                29.3,
                27.2,
                31.6,
                34.6,
                27.3,
                26.0,
                33.6,
                26.2,
                24.8,
                27.3,
                21.8,
                34.2,
                28.3
            ]
        },
        {
            "channelCfi": [
                3,
                11,
                19,
                27,
                131,
                139,
                163,
                171
            ],
            "globalOperatingClass": 132,
            "maxEirp": [
                24.1,
                26.8,
                30.2,
                30.3,
                29.0,
                27.8,
```



```
        24.8,
        31.3
    ]
},
{
    "channelCfi": [
        7,
        23,
        135,
        167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        27.1,
        33.2,
        30.8,
        27.8
    ]
},
{
    "channelCfi": [
        15
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        30.1
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "04cdc0211e9a",
"availabilityExpireTime": "2025-09-25T06:42:59Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
```

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

```
##### 2025-09-24T07:00:34Z #####
```

```
{  
  "headers": {  
    "Host": "testserver.wfatestorg.org",  
    "User-Agent": "Go-http-client/1.1",  
    "Accept": "*/*",  
    "Content-Type": "application/json",  
    "Accept-Encoding": "gzip",  
    "X-Forwarded-For": "54.215.237.20",  
    "X-Forwarded-Host": "testserver.wfatestorg.org",  
    "X-Forwarded-Server": "testserver.wfatestorg.org",  
    "Content-Length": "709",  
    "Connection": "Keep-Alive"  
  },  
  "body": {  
    "version": "1.4",  
    "availableSpectrumInquiryRequests": [  
      {  
        "requestId": "04cdc0211e9a",  
        "deviceDescriptor": {  
          "serialNumber": "04cdc0211e9a",  
          "certificationId": [  
            {  
              "id": "2AHBN-AP47",  
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
            }  
          ]  
        }  
      ]  
    },  
    "location": {  
      "elevation": {  
        "height": 9.575000166893005,  
        "heightType": "AGL",
```

```
        "verticalUncertainty": 0
      },
      "ellipse": {
        "center": {
          "longitude": 121.019714,
          "latitude": 24.8448
        },
        "majorAxis": 3,
        "minorAxis": 0,
        "orientation": 45
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5925,
        "highFrequency": 7115
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      },
      {
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 136
      },
      {
        "globalOperatingClass": 137
      }
    ]
  }
}
```

```
    }
  ]
}
]
}
}
```

2025-09-24T07:00:34Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 9.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 11.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
          },
          "maxPsd": 11.7
        }
      ]
    }
  ]
}
```



```
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 19.4
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 17.3
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 9.4
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 11.6
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 13.6
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6285,
        "lowFrequency": 6265
    },
    "maxPsd": 19.1
},
{
    "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
    },
    "maxPsd": 20.2
},
{
    "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
    },
    "maxPsd": 12.6
},
{
    "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
    },
    "maxPsd": 11.5
},
{
    "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
    },
    "maxPsd": 17.1
},
{
    "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
```

```
    },
    "maxPsd": 20.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 12.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 8.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 13.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 13.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 19.9
  }
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 21.6
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        145,
        149,
        153,
        157
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        22.9,
        24.1,
```



```
        24.7,  
        32.4,  
        30.3,  
        22.4,  
        24.6,  
        26.6,  
        32.1,  
        33.2,  
        25.6,  
        24.5,  
        30.1,  
        33.4,  
        25.0,  
        21.2,  
        26.6,  
        26.5,  
        32.9,  
        34.6  
    ]  
},  
{  
    "channelCfi": [  
        35,  
        43,  
        51,  
        59,  
        67,  
        75,  
        83,  
        91,  
        147,  
        155  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        25.9,  
        27.7,
```

```
        25.4,  
        27.6,  
        35.1,  
        27.5,  
        33.1,  
        24.2,  
        29.5,  
        35.9  
    ]  
},  
{  
    "channelCfi": [  
        39,  
        55,  
        71,  
        87,  
        151  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
        28.9,  
        28.4,  
        30.5,  
        27.2,  
        32.5  
    ]  
},  
{  
    "channelCfi": [  
        47,  
        79  
    ],  
    "globalOperatingClass": 134,  
    "maxEirp": [  
        31.4,  
        30.2  
    ]  
}
```

```
    },
    {
      "channelCfi": [
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        33.3
      ]
    }
  ],
  "requestId": "04cdc0211e9a",
  "availabilityExpireTime": "2025-09-25T07:00:34Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```



CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_320MHz_10715_1

2025-09-24T07:36:35Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "711",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc0211e9a",
        "deviceDescriptor": {
          "serialNumber": "04cdc0211e9a",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 10.1900000333786,
        "heightType": "AGL",
        "verticalUncertainty": 5
      },
      "ellipse": {
        "center": {
```



```
        "longitude": 121.01967,
        "latitude": 24.844795
    },
    "majorAxis": 12,
    "minorAxis": 10,
    "orientation": 45
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
]
```

```
}  
}
```

```
##### 2025-09-24T07:36:35Z #####
```

```
{  
  "availableSpectrumInquiryResponses": [  
    {  
      "response": {  
        "responseCode": 0,  
        "shortDescription": "SUCCESS"  
      },  
      "availableFrequencyInfo": [  
        {  
          "frequencyRange": {  
            "highFrequency": 6125,  
            "lowFrequency": 6105  
          },  
          "maxPsd": 6.2  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6145,  
            "lowFrequency": 6125  
          },  
          "maxPsd": 14.0  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6165,  
            "lowFrequency": 6145  
          },  
          "maxPsd": 8.4  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6185,  
            "lowFrequency": 6165
```

```
    },
    "maxPsd": 14.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 14.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 20.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 21.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 8.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 9.2
  }
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 12.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 18.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 22.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 16.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 14.1
    },
    {

```

```
"frequencyRange": {
  "highFrequency": 6405,
  "lowFrequency": 6385
},
"maxPsd": 12.0
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 22.4
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      19.2,
```



```
        27.0,  
        21.4,  
        27.3,  
        27.3,  
        33.0,  
        34.4,  
        21.4,  
        22.2,  
        25.6,  
        31.5,  
        35.0,  
        29.3,  
        27.1,  
        25.0,  
        35.4  
    ]  
},  
{  
    "channelCfi": [  
        35,  
        43,  
        51,  
        59,  
        67,  
        75,  
        83,  
        91  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        22.2,  
        24.4,  
        30.3,  
        24.4,  
        25.2,  
        34.5,  
        30.1,
```

```
        28.0
      ]
    },
    {
      "channelCfi": [
        39,
        55,
        71,
        87
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        25.2,
        27.4,
        28.2,
        31.0
      ]
    },
    {
      "channelCfi": [
        47,
        79
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        28.2,
        31.2
      ]
    },
    {
      "channelCfi": [
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        31.3
      ]
    }
  ]
}
```

```
    }
  ],
  "requestId": "04cdc0211e9a",
  "availabilityExpireTime": "2025-09-25T07:36:35Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-09-24T07:46:25Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "711",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc0211e9a",
        "deviceDescriptor": {
          "serialNumber": "04cdc0211e9a",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ]
  }
}
```

```
},
"location": {
  "elevation": {
    "height": 10.1900000333786,
    "heightType": "AGL",
    "verticalUncertainty": 5
  },
  "ellipse": {
    "center": {
      "longitude": 121.01967,
      "latitude": 24.844795
    },
    "majorAxis": 12,
    "minorAxis": 10,
    "orientation": 45
  },
  "indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5925,
    "highFrequency": 7115
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
    "globalOperatingClass": 134
  },
]
```

```
        {
            "globalOperatingClass": 136
        },
        {
            "globalOperatingClass": 137
        }
    ]
}
]
```

2025-09-24T07:46:25Z

```
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [
                {
                    "frequencyRange": {
                        "highFrequency": 5965,
                        "lowFrequency": 5945
                    },
                    "maxPsd": 1.8
                },
                {
                    "frequencyRange": {
                        "highFrequency": 5985,
                        "lowFrequency": 5965
                    },
                    "maxPsd": 2.9
                },
                {
                    "frequencyRange": {
```



```
        "highFrequency": 6005,
        "lowFrequency": 5985
    },
    "maxPsd": 7.1
},
{
    "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
    },
    "maxPsd": 4.6
},
{
    "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
    },
    "maxPsd": 4.6
},
{
    "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
    },
    "maxPsd": 3.1
},
{
    "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
    },
    "maxPsd": 4.8
},
{
    "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
```

```
    },
    "maxPsd": 4.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 5.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 8.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 6.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 6.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 10.3
  }
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 2.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 7.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 5.0
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
```

```
        45,
        49,
        53,
        57,
        61
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
        14.8,
        15.9,
        20.1,
        17.6,
        17.6,
        16.1,
        17.8,
        17.4,
        18.9,
        21.3,
        19.0,
        19.3,
        23.3,
        15.2,
        20.7,
        18.0
    ]
},
{
    "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        51,
        59
    ],
    ],
```

```
"globalOperatingClass": 132,
"maxEirp": [
    17.8,
    20.6,
    19.1,
    20.4,
    21.9,
    22.0,
    18.2,
    21.0
]
},
{
    "channelCfi": [
        7,
        23,
        39,
        55
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        20.8,
        22.1,
        24.9,
        21.2
    ]
},
{
    "channelCfi": [
        15,
        47
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        23.8,
        24.2
    ]
}
```



```
    },
    {
      "channelCfi": [
        31
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        26.9
      ]
    }
  ],
  "requestId": "04cdc0211e9a",
  "availabilityExpireTime": "2025-09-25T07:46:25Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

AFC capability - Inquired Frequency & Channel**CT_AFC_SP_AP_AFCDSA31_FrequencyChannel_20MHz_10625_1**

2025-09-26T03:16:20Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "711",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc0211e9a",
        "deviceDescriptor": {
          "serialNumber": "04cdc0211e9a",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 11.09555558098687,
        "heightType": "AGL",
        "verticalUncertainty": 0
      },
      "ellipse": {
```

```
        "center": {
            "longitude": 121.019745,
            "latitude": 24.844803
        },
        "majorAxis": 2,
        "minorAxis": 0,
        "orientation": 45
    },
    "indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
```

```
]
}
}

##### 2025-09-26T03:16:20Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 20.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 13.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 12.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
```

```
        "lowFrequency": 6085
      },
      "maxPsd": 9.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 14.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 16.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 8.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 15.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
```



```
"maxPsd": 13.8
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 14.3
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 14.6
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 8.5
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 21.0
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 14.4
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 21.7
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 15.2
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      17,
      21,
      25,
      29,
      49,
      53,
      57,
      61,
      129,
      133,
      137,
      141,
      161,
      165,
      169,
      173
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
```

```
        33.6,
        26.6,
        25.9,
        22.9,
        27.9,
        29.3,
        21.5,
        28.6,
        26.8,
        27.3,
        27.6,
        21.5,
        34.0,
        27.4,
        34.7,
        28.2
    ]
},
{
    "channelCfi": [
        19,
        27,
        51,
        59,
        131,
        139,
        163,
        171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        29.6,
        25.9,
        30.9,
        24.5,
        29.8,
        24.5,
```

```
        30.4,
        31.2
    ]
},
{
    "channelCfi": [
        23,
        55,
        135,
        167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        28.9,
        27.5,
        27.5,
        33.4
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 134,
    "maxEirp": []
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "04cdc0211e9a",
"availabilityExpireTime": "2025-09-27T03:16:20Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-09-26T03:20:50Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "711",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc0211e9a",
        "deviceDescriptor": {
          "serialNumber": "04cdc0211e9a",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 11.09555558098687,
        "heightType": "AGL",
        "verticalUncertainty": 0
      },
      "ellipse": {
        "center": {
```



```
        "longitude": 121.019745,
        "latitude": 24.844803
    },
    "majorAxis": 2,
    "minorAxis": 0,
    "orientation": 45
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
]
```

```
}
}

##### 2025-09-26T03:20:50Z #####

{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 19.3
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 21.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 18.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          }
        }
      ]
    }
  ]
}
```

```
    },
    "maxPsd": 19.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 14.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 12.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 11.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 12.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 8.3
  }
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 10.6
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 9.5
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 13.5
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 8.4
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 21.4
},
{
```

```
"frequencyRange": {
  "highFrequency": 6405,
  "lowFrequency": 6385
},
"maxPsd": 14.7
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 14.7
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 10.0
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 10.7
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 16.2
},
{
  "frequencyRange": {
    "highFrequency": 6745,
```

```
"lowFrequency": 6725
},
"maxPsd": 21.8
}
],
"availableChannelInfo": [
{
  "channelCfi": [
    1,
    5,
    9,
    13,
    33,
    37,
    41,
    45,
    65,
    69,
    73,
    77,
    81,
    85,
    89,
    93,
    145,
    149,
    153,
    157
  ],
  "globalOperatingClass": 131,
  "maxEirp": [
    32.3,
    34.9,
    31.2,
    32.9,
    27.9,
    25.6,
```



```
        24.5,
        25.2,
        21.3,
        23.6,
        22.5,
        26.5,
        21.4,
        34.4,
        27.7,
        27.7,
        23.0,
        23.7,
        29.2,
        34.8
    ]
},
{
    "channelCfi": [
        3,
        11,
        35,
        43,
        67,
        75,
        83,
        91,
        147,
        155
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        35.3,
        34.2,
        28.6,
        27.5,
        24.3,
        25.5,
```

```
        24.4,
        30.7,
        26.0,
        32.2
    ]
},
{
    "channelCfi": [
        7,
        39,
        71,
        87,
        151
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        36.0,
        30.5,
        27.3,
        27.4,
        29.0
    ]
},
{
    "channelCfi": [
        79
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        30.3
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
```



```
],  
  "requestId": "04cdc0211e9a",  
  "availabilityExpireTime": "2025-09-27T03:20:50Z",  
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
  "version": "1.4"  
}
```

CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1

2025-09-26T06:23:10Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "711",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc0211e9a",
        "deviceDescriptor": {
          "serialNumber": "04cdc0211e9a",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 28.95423712972867,
        "heightType": "AGL",
        "verticalUncertainty": 7
      },
      "ellipse": {
        "center": {
```

```
        "longitude": 121.01975,
        "latitude": 24.844772
    },
    "majorAxis": 12,
    "minorAxis": 5,
    "orientation": 45
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
]
```



```
    }
  }

##### 2025-09-26T06:23:10Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 8.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 20.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
          },
          "maxPsd": 8.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6185,
            "lowFrequency": 6165
          }
        }
      ]
    }
  ]
}
```



```
    },
    "maxPsd": 9.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 19.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 11.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 9.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 15.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 14.4
  }
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 16.1
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 13.6
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 18.1
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 9.8
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 15.5
},
{
```

```
"frequencyRange": {
  "highFrequency": 6725,
  "lowFrequency": 6705
},
"maxPsd": 9.5
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 17.1
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      21.3,
```

```
        33.6,
        21.8,
        22.4,
        32.5,
        24.3,
        22.9,
        28.2,
        27.4,
        29.1,
        26.6,
        31.1,
        22.8,
        28.5,
        22.5,
        30.1
    ]
},
{
    "channelCfi": [
        35,
        43,
        51,
        59,
        131,
        139,
        147,
        155
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        24.3,
        24.8,
        27.3,
        25.9,
        30.4,
        29.6,
        25.8,
```

```
        25.5
      ]
    },
    {
      "channelCfi": [
        39,
        55,
        135,
        151
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        27.3,
        28.9,
        32.6,
        28.5
      ]
    },
    {
      "channelCfi": [
        47,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        30.3,
        31.5
      ]
    },
    {
      "channelCfi": [],
      "globalOperatingClass": 137,
      "maxEirp": []
    }
  ],
  "requestId": "04cdc0211e9a",
  "availabilityExpireTime": "2025-09-27T06:23:10Z",
```

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

2025-09-26T06:23:46Z

```
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "Go-http-client/1.1",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "Accept-Encoding": "gzip",
        "X-Forwarded-For": "54.215.237.20",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "711",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "04cdc0211e9a",
                "deviceDescriptor": {
                    "serialNumber": "04cdc0211e9a",
                    "certificationId": [
                        {
                            "id": "2AHBN-AP47",
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
                        }
                    ]
                },
                "location": {
                    "elevation": {
                        "height": 28.95423712972867,
```



```
"heightType": "AGL",
"verticalUncertainty": 7
},
"ellipse": {
  "center": {
    "longitude": 121.01975,
    "latitude": 24.844772
  },
  "majorAxis": 12,
  "minorAxis": 5,
  "orientation": 45
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5925,
    "highFrequency": 7115
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
    "globalOperatingClass": 134
  },
  {
    "globalOperatingClass": 136
  },
  {
```

```
        "globalOperatingClass": 137
      }
    ]
  }
]
}
}
```

2025-09-26T06:23:46Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 8.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 20.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
          },
          "maxPsd": 8.8
        }
      ]
    }
  ]
}
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 9.4
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 19.5
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 11.3
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 9.9
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 15.2
},
{
```

```
"frequencyRange": {
  "highFrequency": 6605,
  "lowFrequency": 6585
},
"maxPsd": 14.4
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 16.1
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 13.6
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 18.1
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 9.8
},
{
  "frequencyRange": {
    "highFrequency": 6705,
```

```
        "lowFrequency": 6685
      },
      "maxPsd": 15.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 9.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 17.1
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
```

```
157
],
"globalOperatingClass": 131,
"maxEirp": [
    21.3,
    33.6,
    21.8,
    22.4,
    32.5,
    24.3,
    22.9,
    28.2,
    27.4,
    29.1,
    26.6,
    31.1,
    22.8,
    28.5,
    22.5,
    30.1
]
},
{
    "channelCfi": [
        35,
        43,
        51,
        59,
        131,
        139,
        147,
        155
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        24.3,
        24.8,
```



```
        27.3,
        25.9,
        30.4,
        29.6,
        25.8,
        25.5
    ]
},
{
    "channelCfi": [
        39,
        55,
        135,
        151
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        27.3,
        28.9,
        32.6,
        28.5
    ]
},
{
    "channelCfi": [
        47,
        143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        30.3,
        31.5
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
```

```
        "maxEirp": []
      }
    ],
    "requestId": "04cdc0211e9a",
    "availabilityExpireTime": "2025-09-27T06:23:46Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}
```

2025-09-26T06:24:25Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "711",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc0211e9a",
        "deviceDescriptor": {
          "serialNumber": "04cdc0211e9a",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ]
  }
}
```

```
]
},
"location": {
  "elevation": {
    "height": 28.95423712972867,
    "heightType": "AGL",
    "verticalUncertainty": 7
  },
  "ellipse": {
    "center": {
      "longitude": 121.01975,
      "latitude": 24.844772
    },
    "majorAxis": 12,
    "minorAxis": 5,
    "orientation": 45
  },
  "indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5925,
    "highFrequency": 7115
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
    "globalOperatingClass": 134
  }
]
```

```
    },
    {
      "globalOperatingClass": 136
    },
    {
      "globalOperatingClass": 137
    }
  ]
}
]
```

2025-09-26T06:24:25Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 8.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 20.6
        }
      ]
    }
  ]
}
```

```
"frequencyRange": {
  "highFrequency": 6165,
  "lowFrequency": 6145
},
"maxPsd": 8.8
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 9.4
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 19.5
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 11.3
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 9.9
},
{
  "frequencyRange": {
    "highFrequency": 6265,
```

```
        "lowFrequency": 6245
      },
      "maxPsd": 15.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 14.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 16.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 13.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 18.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
    },
```

```
"maxPsd": 9.8
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 15.5
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 9.5
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 17.1
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      129,
      133,
```



```
        137,
        141,
        145,
        149,
        153,
        157
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
        21.3,
        33.6,
        21.8,
        22.4,
        32.5,
        24.3,
        22.9,
        28.2,
        27.4,
        29.1,
        26.6,
        31.1,
        22.8,
        28.5,
        22.5,
        30.1
    ]
},
{
    "channelCfi": [
        35,
        43,
        51,
        59,
        131,
        139,
        147,
        155
```

```
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        24.3,
        24.8,
        27.3,
        25.9,
        30.4,
        29.6,
        25.8,
        25.5
    ]
},
{
    "channelCfi": [
        39,
        55,
        135,
        151
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        27.3,
        28.9,
        32.6,
        28.5
    ]
},
{
    "channelCfi": [
        47,
        143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        30.3,
        31.5
    ]
}
```

```
    ]
  },
  {
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
  }
],
"requestId": "04cdc0211e9a",
"availabilityExpireTime": "2025-09-27T06:24:25Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-09-26T06:26:21Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "711",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc0211e9a",
        "deviceDescriptor": {
          "serialNumber": "04cdc0211e9a",

```

```
"certificationId": [  
  {  
    "id": "2AHBN-AP47",  
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
  }  
]  
,  
"location": {  
  "elevation": {  
    "height": 28.95423712972867,  
    "heightType": "AGL",  
    "verticalUncertainty": 7  
  },  
  "ellipse": {  
    "center": {  
      "longitude": 121.01975,  
      "latitude": 24.844772  
    },  
    "majorAxis": 12,  
    "minorAxis": 5,  
    "orientation": 45  
  },  
  "indoorDeployment": 1  
},  
"inquiredFrequencyRange": [  
  {  
    "lowFrequency": 5925,  
    "highFrequency": 7115  
  }  
],  
"inquiredChannels": [  
  {  
    "globalOperatingClass": 131  
  },  
  {  
    "globalOperatingClass": 132  
  },  
]
```

```
{
  "globalOperatingClass": 133
},
{
  "globalOperatingClass": 134
},
{
  "globalOperatingClass": 136
},
{
  "globalOperatingClass": 137
}
]
}
]
}
}
```

2025-09-26T06:26:21Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 8.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
```

```
        "lowFrequency": 6125
      },
      "maxPsd": 20.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 8.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 9.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 19.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 11.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
    },
```

```
"maxPsd": 9.9
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 15.2
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 14.4
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 16.1
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 13.6
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 18.1
},
},
```



```
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 9.8
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 15.5
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 9.5
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 17.1
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      33,
      37,
      41,
      45,
      49,
```

```
53,
57,
61,
129,
133,
137,
141,
145,
149,
153,
157
],
"globalOperatingClass": 131,
"maxEirp": [
21.3,
33.6,
21.8,
22.4,
32.5,
24.3,
22.9,
28.2,
27.4,
29.1,
26.6,
31.1,
22.8,
28.5,
22.5,
30.1
]
},
{
"channelCfi": [
35,
43,
51,
```

```
        59,
        131,
        139,
        147,
        155
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        24.3,
        24.8,
        27.3,
        25.9,
        30.4,
        29.6,
        25.8,
        25.5
    ]
},
{
    "channelCfi": [
        39,
        55,
        135,
        151
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        27.3,
        28.9,
        32.6,
        28.5
    ]
},
{
    "channelCfi": [
        47,
        143
```

```
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        30.3,
        31.5
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "04cdc0211e9a",
"availabilityExpireTime": "2025-09-27T06:26:21Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-09-26T06:28:43Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "711",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
```

```
"availableSpectrumInquiryRequests": [  
  {  
    "requestId": "04cdc0211e9a",  
    "deviceDescriptor": {  
      "serialNumber": "04cdc0211e9a",  
      "certificationId": [  
        {  
          "id": "2AHBN-AP47",  
          "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
        }  
      ]  
    },  
    "location": {  
      "elevation": {  
        "height": 28.95423712972867,  
        "heightType": "AGL",  
        "verticalUncertainty": 7  
      },  
      "ellipse": {  
        "center": {  
          "longitude": 121.01975,  
          "latitude": 24.844772  
        },  
        "majorAxis": 12,  
        "minorAxis": 5,  
        "orientation": 45  
      },  
      "indoorDeployment": 1  
    },  
    "inquiredFrequencyRange": [  
      {  
        "lowFrequency": 5925,  
        "highFrequency": 7115  
      }  
    ],  
    "inquiredChannels": [  
      {
```

```
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      },
      {
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 136
      },
      {
        "globalOperatingClass": 137
      }
    ]
  }
]
}
```

2025-09-26T06:28:43Z

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

```

```
"maxPsd": 8.4
},
{
  "frequencyRange": {
    "highFrequency": 5985,
    "lowFrequency": 5965
  },
  "maxPsd": 10.1
},
{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 11.1
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 20.6
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 10.6
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 9.7
},
```



```
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 8.1
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 12.7
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 15.6
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 15.1
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 15.9
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6345,
        "lowFrequency": 6325
    },
    "maxPsd": 8.8
},
{
    "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
    },
    "maxPsd": 15.7
},
{
    "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
    },
    "maxPsd": 8.3
},
{
    "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
    },
    "maxPsd": 11.6
},
{
    "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
    },
    "maxPsd": 16.5
}
],
"availableChannelInfo": [
    {
        "channelCfi": [
```

```
1,  
5,  
9,  
13,  
17,  
21,  
25,  
29,  
65,  
69,  
73,  
77,  
81,  
85,  
89,  
93  
],  
"globalOperatingClass": 131,  
"maxEirp": [  
21.4,  
23.1,  
24.1,  
33.6,  
23.6,  
22.7,  
21.1,  
25.7,  
28.6,  
28.1,  
28.9,  
21.8,  
28.7,  
21.3,  
24.6,  
29.5  
]  
},
```

```
{
  "channelCfi": [
    3,
    11,
    19,
    27,
    67,
    75,
    83,
    91
  ],
  "globalOperatingClass": 132,
  "maxEirp": [
    24.4,
    27.1,
    25.7,
    24.1,
    31.1,
    24.8,
    24.3,
    27.6
  ]
},
{
  "channelCfi": [
    7,
    23,
    71,
    87
  ],
  "globalOperatingClass": 133,
  "maxEirp": [
    27.4,
    27.1,
    27.8,
    27.3
  ]
}
```

```
    },  
    {  
      "channelCfi": [  
        15,  
        79  
      ],  
      "globalOperatingClass": 134,  
      "maxEirp": [  
        30.1,  
        30.3  
      ]  
    },  
    {  
      "channelCfi": [],  
      "globalOperatingClass": 137,  
      "maxEirp": []  
    }  
  ],  
  "requestId": "04cdc0211e9a",  
  "availabilityExpireTime": "2025-09-27T06:28:43Z",  
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```

AFC capability - Inquired Frequency & Channel**CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_20MHz_10625_1**

2025-09-22T06:01:08Z

{

"headers": {

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

"User-Agent": "Go-http-client/1.1",

"Accept": "*/*",

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

"Accept-Encoding": "gzip",

"X-Forwarded-For": "54.215.237.20",

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

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

"Content-Length": "711",

"Connection": "Keep-Alive"

},

"body": {

"version": "1.4",

"availableSpectrumInquiryRequests": [

{

"requestId": "04cdc021616b",

"deviceDescriptor": {

"serialNumber": "04cdc021616b",

"certificationId": [

{

"id": "2AHBN-AP47",

"rulesetId": "US_47_CFR_PART_15_SUBPART_E"

}

]

},

"location": {

"elevation": {

"height": 11.986206876820532,

"heightType": "AGL",

"verticalUncertainty": 0

},

"ellipse": {

```
        "center": {
            "longitude": 121.01974,
            "latitude": 24.844803
        },
        "majorAxis": 0,
        "minorAxis": 0,
        "orientation": 45
    },
    "indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
```



```
]
}
}
```

```
##### 2025-09-22T06:01:08Z #####
```

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 8.8
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 8.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 20.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
```

```
        "lowFrequency": 6005
      },
      "maxPsd": 13.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 14.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 17.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 15.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 16.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
```

```
"maxPsd": 15.3
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 11.4
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 19.3
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 20.3
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 20.3
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 20.3
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 22.0
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 9.0
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      81,
      85,
      89,
      93,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
```

```
        21.8,
        21.4,
        33.8,
        26.8,
        27.5,
        30.6,
        28.9,
        29.5,
        28.3,
        24.4,
        32.3,
        33.3,
        33.3,
        33.3,
        35.0,
        22.0
    ]
},
{
    "channelCfi": [
        3,
        11,
        83,
        91,
        147,
        155,
        163,
        171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        24.4,
        29.8,
        30.5,
        31.9,
        27.4,
        35.3,
```

```
        36.0,  
        25.0  
    ]  
  },  
  {  
    "channelCfi": [  
      7,  
      87,  
      151,  
      167  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
      27.4,  
      33.5,  
      30.4,  
      28.0  
    ]  
  },  
  {  
    "channelCfi": [],  
    "globalOperatingClass": 134,  
    "maxEirp": []  
  },  
  {  
    "channelCfi": [],  
    "globalOperatingClass": 137,  
    "maxEirp": []  
  }  
],  
"requestId": "04cdc021616b",  
"availabilityExpireTime": "2025-09-23T06:01:08Z",  
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```

2025-09-22T06:01:45Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "711",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc021616b",
        "deviceDescriptor": {
          "serialNumber": "04cdc021616b",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 11.986206876820532,
        "heightType": "AGL",
        "verticalUncertainty": 0
      },
      "ellipse": {
        "center": {
```



```
        "longitude": 121.01974,
        "latitude": 24.844803
      },
      "majorAxis": 0,
      "minorAxis": 0,
      "orientation": 45
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 7115
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    },
    {
      "globalOperatingClass": 132
    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    },
    {
      "globalOperatingClass": 136
    },
    {
      "globalOperatingClass": 137
    }
  ]
}
```

```
}  
}
```

```
##### 2025-09-22T06:01:45Z #####
```

```
{  
  "availableSpectrumInquiryResponses": [  
    {  
      "response": {  
        "responseCode": 0,  
        "shortDescription": "SUCCESS"  
      },  
      "availableFrequencyInfo": [  
        {  
          "frequencyRange": {  
            "highFrequency": 5965,  
            "lowFrequency": 5945  
          },  
          "maxPsd": 8.8  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 5985,  
            "lowFrequency": 5965  
          },  
          "maxPsd": 8.4  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6005,  
            "lowFrequency": 5985  
          },  
          "maxPsd": 20.8  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6025,  
            "lowFrequency": 6005
```

```
    },
    "maxPsd": 13.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 14.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 17.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 15.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 16.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 15.3
  }
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 11.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 19.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 20.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 20.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 20.3
    },
    {
```

```
"frequencyRange": {
  "highFrequency": 6805,
  "lowFrequency": 6785
},
"maxPsd": 22.0
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 9.0
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      81,
      85,
      89,
      93,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      21.8,
```

```
        21.4,
        33.8,
        26.8,
        27.5,
        30.6,
        28.9,
        29.5,
        28.3,
        24.4,
        32.3,
        33.3,
        33.3,
        33.3,
        35.0,
        22.0
    ]
},
{
    "channelCfi": [
        3,
        11,
        83,
        91,
        147,
        155,
        163,
        171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        24.4,
        29.8,
        30.5,
        31.9,
        27.4,
        35.3,
        36.0,
```

```
        25.0
      ]
    },
    {
      "channelCfi": [
        7,
        87,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        27.4,
        33.5,
        30.4,
        28.0
      ]
    },
    {
      "channelCfi": [],
      "globalOperatingClass": 134,
      "maxEirp": []
    },
    {
      "channelCfi": [],
      "globalOperatingClass": 137,
      "maxEirp": []
    }
  ],
  "requestId": "04cdc021616b",
  "availabilityExpireTime": "2025-09-23T06:01:45Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-09-22T06:08:05Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "711",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc021616b",
        "deviceDescriptor": {
          "serialNumber": "04cdc021616b",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 11.986206876820532,
        "heightType": "AGL",
        "verticalUncertainty": 0
      },
      "ellipse": {
        "center": {
          "longitude": 121.01974,
```



```
        "latitude": 24.844803
      },
      "majorAxis": 0,
      "minorAxis": 0,
      "orientation": 45
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 7115
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    },
    {
      "globalOperatingClass": 132
    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    },
    {
      "globalOperatingClass": 136
    },
    {
      "globalOperatingClass": 137
    }
  ]
}
]
```



```
}

##### 2025-09-22T06:08:05Z #####

{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 20.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 18.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 13.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },

```

```
"maxPsd": 21.6
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 17.9
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 8.8
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 15.7
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 15.7
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 12.7
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 12.8
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 21.9
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 15.2
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 18.6
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 10.8
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6325,
        "lowFrequency": 6305
    },
    "maxPsd": 9.0
},
{
    "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
    },
    "maxPsd": 14.2
},
{
    "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
    },
    "maxPsd": 19.3
},
{
    "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
    },
    "maxPsd": 17.7
},
{
    "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
    },
    "maxPsd": 16.9
},
{
    "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
```

```
    },
    "maxPsd": 8.4
  }
],
"availableChannelInfo": [
  {
    "channelCfi": [
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      129,
      133,
      137,
      141
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      33.6,
      31.5,
      26.7,
      34.6,
      30.9,
      21.8,
      28.7,
```

```
28.7,
25.7,
25.8,
34.9,
28.2,
31.6,
23.8,
22.0,
27.2,
32.3,
30.7,
29.9,
21.4
]
},
{
  "channelCfi": [
    19,
    27,
    35,
    43,
    51,
    59,
    67,
    75,
    131,
    139
  ],
  "globalOperatingClass": 132,
  "maxEirp": [
    34.5,
    29.7,
    24.8,
    31.7,
    28.7,
    31.2,
    26.8,
```

```
                25.0,
                33.7,
                24.4
            ]
        },
        {
            "channelCfi": [
                23,
                39,
                55,
                71,
                135
            ],
            "globalOperatingClass": 133,
            "maxEirp": [
                32.7,
                27.8,
                31.7,
                28.0,
                27.4
            ]
        },
        {
            "channelCfi": [
                47
            ],
            "globalOperatingClass": 134,
            "maxEirp": [
                30.8
            ]
        },
        {
            "channelCfi": [],
            "globalOperatingClass": 137,
            "maxEirp": []
        }
    ],
```




DUT Spectrum Inquiry Request/Response Logs_EUT 2_Radio 1 Appendix B.3

```
"requestId": "04cdc021616b",  
  "availabilityExpireTime": "2025-09-23T06:08:05Z",  
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
},  
"version": "1.4"  
}
```

CT_AFC_SP_AP_AFCDSA31_FrequencyChannel_40MHz_10626_1

2025-09-22T06:32:32Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "726",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc021616b",
        "deviceDescriptor": {
          "serialNumber": "04cdc021616b",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 7.090000081062317,
        "heightType": "AGL",
        "verticalUncertainty": 1
      },
      "ellipse": {
        "center": {
```

```
        "longitude": 121.0197364807129,
        "latitude": 24.84481201171875
    },
    "majorAxis": 0,
    "minorAxis": 0,
    "orientation": 45
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
]
```

```
}  
}
```

```
##### 2025-09-22T06:32:32Z #####
```

```
{  
  "availableSpectrumInquiryResponses": [  
    {  
      "response": {  
        "responseCode": 0,  
        "shortDescription": "SUCCESS"  
      },  
      "availableFrequencyInfo": [  
        {  
          "frequencyRange": {  
            "highFrequency": 5965,  
            "lowFrequency": 5945  
          },  
          "maxPsd": 10.4  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 5985,  
            "lowFrequency": 5965  
          },  
          "maxPsd": 15.5  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6005,  
            "lowFrequency": 5985  
          },  
          "maxPsd": 19.3  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6025,  
            "lowFrequency": 6005
```

```
    },
    "maxPsd": 8.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 17.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 13.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 21.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 20.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 13.2
  }
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6385,  
        "lowFrequency": 6365  
      },  
      "maxPsd": 18.6  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6405,  
        "lowFrequency": 6385  
      },  
      "maxPsd": 19.5  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6425,  
        "lowFrequency": 6405  
      },  
      "maxPsd": 21.3  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6605,  
        "lowFrequency": 6585  
      },  
      "maxPsd": 15.0  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6625,  
        "lowFrequency": 6605  
      },  
      "maxPsd": 12.2  
    },  
    {
```

```
"frequencyRange": {
  "highFrequency": 6645,
  "lowFrequency": 6625
},
"maxPsd": 21.4
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 11.0
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93,
      129,
      133,
      137,
      141
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      23.4,
```

```
28.5,
32.3,
21.2,
30.2,
26.7,
34.5,
33.4,
26.2,
31.6,
32.5,
34.3,
28.0,
25.2,
34.4,
24.0
]
},
{
  "channelCfi": [
    3,
    11,
    67,
    75,
    83,
    91,
    131,
    139
  ],
  "globalOperatingClass": 132,
  "maxEirp": [
    26.4,
    24.2,
    29.7,
    36.0,
    29.2,
    35.5,
    28.2,
```



```
        27.0
      ]
    },
    {
      "channelCfi": [
        7,
        71,
        87,
        135
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        27.2,
        32.7,
        32.2,
        30.0
      ]
    },
    {
      "channelCfi": [
        79
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        35.2
      ]
    },
    {
      "channelCfi": [],
      "globalOperatingClass": 137,
      "maxEirp": []
    }
  ],
  "requestId": "04cdc021616b",
  "availabilityExpireTime": "2025-09-23T06:32:32Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
```

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

2025-09-22T06:37:50Z

```
{  
  "headers": {  
    "Host": "testserver.wfatestorg.org",  
    "User-Agent": "Go-http-client/1.1",  
    "Accept": "*/*",  
    "Content-Type": "application/json",  
    "Accept-Encoding": "gzip",  
    "X-Forwarded-For": "54.215.237.20",  
    "X-Forwarded-Host": "testserver.wfatestorg.org",  
    "X-Forwarded-Server": "testserver.wfatestorg.org",  
    "Content-Length": "726",  
    "Connection": "Keep-Alive"  
  },  
  "body": {  
    "version": "1.4",  
    "availableSpectrumInquiryRequests": [  
      {  
        "requestId": "04cdc021616b",  
        "deviceDescriptor": {  
          "serialNumber": "04cdc021616b",  
          "certificationId": [  
            {  
              "id": "2AHBN-AP47",  
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
            }  
          ]  
        }  
      ],  
    },  
    "location": {  
      "elevation": {  
        "height": 7.090000081062317,  
        "heightType": "AGL",  
        "verticalUncertainty": 1  
      }  
    }  
  }  
}
```

```
    },
    "ellipse": {
      "center": {
        "longitude": 121.0197364807129,
        "latitude": 24.84481201171875
      },
      "majorAxis": 0,
      "minorAxis": 0,
      "orientation": 45
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 7115
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    },
    {
      "globalOperatingClass": 132
    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    },
    {
      "globalOperatingClass": 136
    },
    {
      "globalOperatingClass": 137
    }
  ]
}
```

```
]
}
]
}
}
```

2025-09-22T06:37:50Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 9.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 10.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 11.2
        }
      ]
    }
  ]
}
```

```
"frequencyRange": {
  "highFrequency": 6105,
  "lowFrequency": 6085
},
"maxPsd": 16.5
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 12.6
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 15.1
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 17.7
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 19.6
},
{
  "frequencyRange": {
    "highFrequency": 6205,
```

```
        "lowFrequency": 6185
      },
      "maxPsd": 19.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 20.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 19.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 15.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 12.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
    },
```

```
"maxPsd": 20.6
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 19.4
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 8.8
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 8.3
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 18.0
},
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 19.5
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 21.3
},
"availableChannelInfo": [
  {
    "channelCfi": [
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      22.7,
      23.6,
      24.2,
```



```
29.5,
25.6,
28.1,
30.7,
32.6,
32.7,
33.2,
32.1,
28.9,
25.1,
33.6,
32.4,
21.8,
21.3,
31.0,
32.5,
34.3
]
},
{
  "channelCfi": [
    19,
    27,
    35,
    43,
    51,
    59,
    147,
    155,
    163,
    171
  ],
  "globalOperatingClass": 132,
  "maxEirp": [
    25.7,
    27.2,
    28.6,
```

```
        33.7,  
        35.7,  
        31.9,  
        28.1,  
        24.8,  
        24.3,  
        35.5  
    ]  
},  
{  
    "channelCfi": [  
        23,  
        39,  
        55,  
        151,  
        167  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
        28.7,  
        31.6,  
        34.9,  
        27.8,  
        27.3  
    ]  
},  
{  
    "channelCfi": [  
        47  
    ],  
    "globalOperatingClass": 134,  
    "maxEirp": [  
        34.6  
    ]  
},  
{  
    "channelCfi": [],
```

```
        "globalOperatingClass": 137,  
        "maxEirp": []  
    }  
],  
    "requestId": "04cdc021616b",  
    "availabilityExpireTime": "2025-09-23T06:37:50Z",  
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
    "version": "1.4"  
}
```

CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_80MHz_10627_1

2025-09-22T07:20:38Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "710",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc021616b",
        "deviceDescriptor": {
          "serialNumber": "04cdc021616b",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 9.050000018543667,
        "heightType": "AGL",
        "verticalUncertainty": 1
      },
      "ellipse": {
        "center": {
```

```
        "longitude": 121.01974,
        "latitude": 24.844812
    },
    "majorAxis": 1,
    "minorAxis": 0,
    "orientation": 45
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
]
```

```
}  
}
```

```
##### 2025-09-22T07:20:38Z #####
```

```
{  
  "availableSpectrumInquiryResponses": [  
    {  
      "response": {  
        "responseCode": 0,  
        "shortDescription": "SUCCESS"  
      },  
      "availableFrequencyInfo": [  
        {  
          "frequencyRange": {  
            "highFrequency": 6045,  
            "lowFrequency": 6025  
          },  
          "maxPsd": 11.5  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6065,  
            "lowFrequency": 6045  
          },  
          "maxPsd": 15.7  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6085,  
            "lowFrequency": 6065  
          },  
          "maxPsd": 12.1  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6105,  
            "lowFrequency": 6085
```

```
    },
    "maxPsd": 16.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 12.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 20.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 18.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 12.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 16.0
  }
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6225,  
        "lowFrequency": 6205  
      },  
      "maxPsd": 11.4  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6245,  
        "lowFrequency": 6225  
      },  
      "maxPsd": 17.3  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6265,  
        "lowFrequency": 6245  
      },  
      "maxPsd": 17.1  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6285,  
        "lowFrequency": 6265  
      },  
      "maxPsd": 19.0  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6305,  
        "lowFrequency": 6285  
      },  
      "maxPsd": 16.8  
    },  
    {
```



```
"frequencyRange": {
  "highFrequency": 6325,
  "lowFrequency": 6305
},
"maxPsd": 13.9
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 11.1
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      24.5,
```

```
        28.7,  
        25.1,  
        29.1,  
        25.7,  
        33.8,  
        31.9,  
        25.5,  
        29.0,  
        24.4,  
        30.3,  
        30.1,  
        32.0,  
        29.8,  
        26.9,  
        24.1  
    ]  
},  
{  
    "channelCfi": [  
        19,  
        27,  
        35,  
        43,  
        51,  
        59,  
        67,  
        75  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        27.5,  
        28.1,  
        28.7,  
        28.5,  
        27.4,  
        33.1,  
        32.8,
```

```
        27.1
      ]
    },
    {
      "channelCfi": [
        23,
        39,
        55,
        71
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        30.5,
        31.5,
        30.4,
        30.1
      ]
    },
    {
      "channelCfi": [
        47
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        33.4
      ]
    },
    {
      "channelCfi": [],
      "globalOperatingClass": 137,
      "maxEirp": []
    }
  ],
  "requestId": "04cdc021616b",
  "availabilityExpireTime": "2025-09-23T07:20:38Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
```

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

2025-09-22T07:24:07Z

```
{  
  "headers": {  
    "Host": "testserver.wfatestorg.org",  
    "User-Agent": "Go-http-client/1.1",  
    "Accept": "*/*",  
    "Content-Type": "application/json",  
    "Accept-Encoding": "gzip",  
    "X-Forwarded-For": "54.215.237.20",  
    "X-Forwarded-Host": "testserver.wfatestorg.org",  
    "X-Forwarded-Server": "testserver.wfatestorg.org",  
    "Content-Length": "710",  
    "Connection": "Keep-Alive"  
  },  
  "body": {  
    "version": "1.4",  
    "availableSpectrumInquiryRequests": [  
      {  
        "requestId": "04cdc021616b",  
        "deviceDescriptor": {  
          "serialNumber": "04cdc021616b",  
          "certificationId": [  
            {  
              "id": "2AHBN-AP47",  
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
            }  
          ]  
        }  
      ],  
      "location": {  
        "elevation": {  
          "height": 9.050000018543667,  
          "heightType": "AGL",  
          "verticalUncertainty": 1
```

```
    },
    "ellipse": {
      "center": {
        "longitude": 121.01974,
        "latitude": 24.844812
      },
      "majorAxis": 1,
      "minorAxis": 0,
      "orientation": 45
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 7115
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    },
    {
      "globalOperatingClass": 132
    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    },
    {
      "globalOperatingClass": 136
    },
    {
      "globalOperatingClass": 137
    }
  ]
}
```

```
]
}
]
}
}
```

2025-09-22T07:24:07Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 13.3
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 13.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 20.6
        },
        {
```

```
"frequencyRange": {
  "highFrequency": 6025,
  "lowFrequency": 6005
},
"maxPsd": 10.8
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 19.6
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 12.2
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 8.0
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 18.0
},
{
  "frequencyRange": {
    "highFrequency": 6605,
```

```
        "lowFrequency": 6585
      },
      "maxPsd": 12.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 21.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 11.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 9.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 20.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
    },
```



```
"maxPsd": 17.2
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 14.0
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 12.5
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 15.2
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 13.8
},
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 15.5
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 9.8
},
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      81,
      85,
      89,
      93,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      26.3,
      26.8,
      33.6,
```

```
        23.8,
        32.6,
        25.2,
        21.0,
        31.0,
        25.4,
        34.1,
        24.3,
        22.2,
        33.1,
        30.2,
        27.0,
        25.5,
        28.2,
        26.8,
        28.5,
        22.8
    ]
},
{
    "channelCfi": [
        3,
        11,
        83,
        91,
        131,
        139,
        147,
        155,
        163,
        171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        29.3,
        26.8,
        28.2,
```

```
        24.0,  
        28.4,  
        25.2,  
        33.2,  
        28.5,  
        29.8,  
        25.8  
    ]  
},  
{  
    "channelCfi": [  
        7,  
        87,  
        135,  
        151,  
        167  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
        29.8,  
        27.0,  
        28.2,  
        31.5,  
        28.8  
    ]  
},  
{  
    "channelCfi": [  
        143  
    ],  
    "globalOperatingClass": 134,  
    "maxEirp": [  
        31.2  
    ]  
},  
{  
    "channelCfi": [],
```

```
        "globalOperatingClass": 137,  
        "maxEirp": []  
    }  
],  
    "requestId": "04cdc021616b",  
    "availabilityExpireTime": "2025-09-23T07:24:07Z",  
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
    "version": "1.4"  
}
```

CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1

2025-09-22T07:53:13Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "727",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc021616b",
        "deviceDescriptor": {
          "serialNumber": "04cdc021616b",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 9.44285706111363,
        "heightType": "AGL",
        "verticalUncertainty": 0
      },
      "ellipse": {
        "center": {
```

```
        "longitude": 121.01973942347935,
        "latitude": 24.844810213361466
    },
    "majorAxis": 0,
    "minorAxis": 0,
    "orientation": 45
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
]
```

```
}  
}
```

```
##### 2025-09-22T07:53:13Z #####
```

```
{  
  "availableSpectrumInquiryResponses": [  
    {  
      "response": {  
        "responseCode": 0,  
        "shortDescription": "SUCCESS"  
      },  
      "availableFrequencyInfo": [  
        {  
          "frequencyRange": {  
            "highFrequency": 6125,  
            "lowFrequency": 6105  
          },  
          "maxPsd": 12.3  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6145,  
            "lowFrequency": 6125  
          },  
          "maxPsd": 8.1  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6165,  
            "lowFrequency": 6145  
          },  
          "maxPsd": 13.2  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6185,  
            "lowFrequency": 6165
```



```
    },
    "maxPsd": 18.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 11.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 15.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 22.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 10.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 8.5
  }
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6625,  
        "lowFrequency": 6605  
      },  
      "maxPsd": 10.3  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6645,  
        "lowFrequency": 6625  
      },  
      "maxPsd": 9.3  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6665,  
        "lowFrequency": 6645  
      },  
      "maxPsd": 10.1  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6685,  
        "lowFrequency": 6665  
      },  
      "maxPsd": 9.2  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6705,  
        "lowFrequency": 6685  
      },  
      "maxPsd": 10.1  
    },  
    {
```

```
"frequencyRange": {
  "highFrequency": 6725,
  "lowFrequency": 6705
},
"maxPsd": 20.2
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 11.0
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      25.3,
```

```
21.1,  
26.2,  
31.9,  
24.7,  
28.6,  
35.0,  
23.7,  
21.5,  
23.3,  
22.3,  
23.1,  
22.2,  
23.1,  
33.2,  
24.0  
]  
,  
{  
  "channelCfi": [  
    35,  
    43,  
    51,  
    59,  
    131,  
    139,  
    147,  
    155  
  ],  
  "globalOperatingClass": 132,  
  "maxEirp": [  
    24.1,  
    29.2,  
    27.7,  
    26.7,  
    24.5,  
    25.3,  
    25.2,
```

```
        27.0
      ]
    },
    {
      "channelCfi": [
        39,
        55,
        135,
        151
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        27.1,
        29.7,
        27.5,
        28.2
      ]
    },
    {
      "channelCfi": [
        47,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        30.1,
        30.5
      ]
    },
    {
      "channelCfi": [],
      "globalOperatingClass": 137,
      "maxEirp": []
    }
  ],
  "requestId": "04cdc021616b",
  "availabilityExpireTime": "2025-09-23T07:53:13Z",
```

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

2025-09-22T07:57:50Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "/*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "727",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc021616b",
        "deviceDescriptor": {
          "serialNumber": "04cdc021616b",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        },
        "location": {
          "elevation": {
            "height": 9.44285706111363,
```

```
        "heightType": "AGL",
        "verticalUncertainty": 0
    },
    "ellipse": {
        "center": {
            "longitude": 121.01973942347935,
            "latitude": 24.844810213361466
        },
        "majorAxis": 0,
        "minorAxis": 0,
        "orientation": 45
    },
    "indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
```

```
        "globalOperatingClass": 137
      }
    ]
  }
]
}
}
```

2025-09-22T07:57:50Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 15.3
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 16.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 10.5
        }
      ]
    }
  ]
}
```



```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6025,  
        "lowFrequency": 6005  
      },  
      "maxPsd": 14.3  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6045,  
        "lowFrequency": 6025  
      },  
      "maxPsd": 20.1  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6065,  
        "lowFrequency": 6045  
      },  
      "maxPsd": 14.5  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6085,  
        "lowFrequency": 6065  
      },  
      "maxPsd": 9.8  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6105,  
        "lowFrequency": 6085  
      },  
      "maxPsd": 13.6  
    },  
    {
```

```
"frequencyRange": {
  "highFrequency": 6285,
  "lowFrequency": 6265
},
"maxPsd": 14.5
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 14.1
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 10.8
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 21.9
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 15.1
},
{
  "frequencyRange": {
    "highFrequency": 6385,
```

```
        "lowFrequency": 6365
      },
      "maxPsd": 15.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 9.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 11.4
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
```

```
93
],
"globalOperatingClass": 131,
"maxEirp": [
    28.3,
    29.0,
    23.5,
    27.3,
    33.1,
    27.5,
    22.8,
    26.6,
    27.5,
    27.1,
    23.8,
    34.9,
    28.1,
    28.5,
    22.7,
    24.4
]
},
{
    "channelCfi": [
        3,
        11,
        19,
        27,
        67,
        75,
        83,
        91
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        31.3,
        26.5,
```

```
        30.5,
        25.8,
        30.1,
        26.8,
        31.1,
        25.7
    ]
},
{
    "channelCfi": [
        7,
        23,
        71,
        87
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        29.5,
        28.8,
        29.8,
        28.7
    ]
},
{
    "channelCfi": [
        15,
        79
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        31.8,
        31.7
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
```



```
        "maxEirp": []
      }
    ],
    "requestId": "04cdc021616b",
    "availabilityExpireTime": "2025-09-23T07:57:50Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}
```

CT_AFC_SP_AP_AFCDUSA32_FrequencyChannel_10629_1

2025-09-24T01:28:06Z

{

"headers": {

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

"User-Agent": "Go-http-client/1.1",

"Accept": "*/*",

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

"Accept-Encoding": "gzip",

"X-Forwarded-For": "54.215.237.20",

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

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

"Content-Length": "729",

"Connection": "Keep-Alive"

},

"body": {

"version": "1.4",

"availableSpectrumInquiryRequests": [

{

"requestId": "04cdc021616b",

"deviceDescriptor": {

"serialNumber": "04cdc021616b",

"certificationId": [

{

"id": "2AHBN-AP47",

"rulesetId": "US_47_CFR_PART_15_SUBPART_E"

}

]

},

"location": {

"elevation": {

"height": 16.616666475931805,

"heightType": "AGL",

"verticalUncertainty": 3

},

"ellipse": {

"center": {

```
        "longitude": 121.01975504557292,
        "latitude": 24.844807942708332
    },
    "majorAxis": 1,
    "minorAxis": 0,
    "orientation": 45
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
]
```



```
}
}

##### 2025-09-24T01:28:06Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "availableChannelInfo": [],
      "requestId": "04cdc021616b",
      "availabilityExpireTime": "2025-09-25T01:28:06Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

##### 2025-09-24T01:28:13Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "729",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
```

```
"availableSpectrumInquiryRequests": [
  {
    "requestId": "04cdc021616b",
    "deviceDescriptor": {
      "serialNumber": "04cdc021616b",
      "certificationId": [
        {
          "id": "2AHBN-AP47",
          "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
      ]
    },
    "location": {
      "elevation": {
        "height": 16.616666475931805,
        "heightType": "AGL",
        "verticalUncertainty": 3
      },
      "ellipse": {
        "center": {
          "longitude": 121.01975504557292,
          "latitude": 24.844807942708332
        },
        "majorAxis": 1,
        "minorAxis": 0,
        "orientation": 45
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5925,
        "highFrequency": 7115
      }
    ],
    "inquiredChannels": [
      {
```

```
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      },
      {
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 136
      },
      {
        "globalOperatingClass": 137
      }
    ]
  }
]
}
}

##### 2025-09-24T01:28:13Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "availableChannelInfo": [],
      "requestId": "04cdc021616b",
      "availabilityExpireTime": "2025-09-25T01:28:13Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ]
}
```



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

CT_AFC_SP_AP_AFCDSAU33_FrequencyChannel_10630_1

2025-09-24T02:15:45Z

{

"headers": {

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

"User-Agent": "Go-http-client/1.1",

"Accept": "*/*",

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

"Accept-Encoding": "gzip",

"X-Forwarded-For": "54.215.237.20",

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

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

"Content-Length": "729",

"Connection": "Keep-Alive"

},

"body": {

"version": "1.4",

"availableSpectrumInquiryRequests": [

{

"requestId": "04cdc021616b",

"deviceDescriptor": {

"serialNumber": "04cdc021616b",

"certificationId": [

{

"id": "2AHBN-AP47",

"rulesetId": "US_47_CFR_PART_15_SUBPART_E"

}

]

},

"location": {

"elevation": {

"height": 11.085714340209961,

"heightType": "AGL",

"verticalUncertainty": 0

},

"ellipse": {

"center": {

```
        "longitude": 121.01974596296039,
        "latitude": 24.844809123447963
    },
    "majorAxis": 0,
    "minorAxis": 0,
    "orientation": 45
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
]
```

```
}  
}
```

```
##### 2025-09-24T02:15:45Z #####
```

```
{  
  "availableSpectrumInquiryResponses": [  
    {  
      "response": {  
        "responseCode": 0,  
        "shortDescription": "SUCCESS"  
      },  
      "availableFrequencyInfo": [  
        {  
          "frequencyRange": {  
            "highFrequency": 5965,  
            "lowFrequency": 5945  
          },  
          "maxPsd": 18.8  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 5985,  
            "lowFrequency": 5965  
          },  
          "maxPsd": 18.0  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6005,  
            "lowFrequency": 5985  
          },  
          "maxPsd": 16.0  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6025,  
            "lowFrequency": 6005
```

```
    },
    "maxPsd": 21.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 18.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 14.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 16.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 20.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 13.0
  }
```



```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6625,  
        "lowFrequency": 6605  
      },  
      "maxPsd": 18.5  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6645,  
        "lowFrequency": 6625  
      },  
      "maxPsd": 21.6  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6665,  
        "lowFrequency": 6645  
      },  
      "maxPsd": 16.9  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6685,  
        "lowFrequency": 6665  
      },  
      "maxPsd": 10.7  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6705,  
        "lowFrequency": 6685  
      },  
      "maxPsd": 16.5  
    },  
    {
```

```
"frequencyRange": {
  "highFrequency": 6725,
  "lowFrequency": 6705
},
"maxPsd": 19.2
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 21.8
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      49,
      53,
      57,
      61,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      31.8,
```

```
        31.0,  
        29.0,  
        34.4,  
        31.1,  
        27.5,  
        29.8,  
        33.1,  
        26.0,  
        31.5,  
        34.6,  
        29.9,  
        23.7,  
        29.5,  
        32.2,  
        34.8  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        51,  
        59,  
        131,  
        139,  
        147,  
        155  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        34.0,  
        32.0,  
        30.5,  
        32.8,  
        29.0,  
        32.9,  
        26.7,
```

```
        35.2
      ]
    },
    {
      "channelCfi": [
        7,
        55,
        135,
        151
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        35.0,
        33.5,
        32.0,
        29.7
      ]
    },
    {
      "channelCfi": [
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        32.7
      ]
    },
    {
      "channelCfi": [],
      "globalOperatingClass": 137,
      "maxEirp": []
    }
  ],
  "requestId": "04cdc021616b",
  "availabilityExpireTime": "2025-09-25T02:15:45Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
```

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

2025-09-24T02:17:34Z

```
{  
  "headers": {  
    "Host": "testserver.wfatestorg.org",  
    "User-Agent": "Go-http-client/1.1",  
    "Accept": "*/*",  
    "Content-Type": "application/json",  
    "Accept-Encoding": "gzip",  
    "X-Forwarded-For": "54.215.237.20",  
    "X-Forwarded-Host": "testserver.wfatestorg.org",  
    "X-Forwarded-Server": "testserver.wfatestorg.org",  
    "Content-Length": "711",  
    "Connection": "Keep-Alive"  
  },  
  "body": {  
    "version": "1.4",  
    "availableSpectrumInquiryRequests": [  
      {  
        "requestId": "04cdc021616b",  
        "deviceDescriptor": {  
          "serialNumber": "04cdc021616b",  
          "certificationId": [  
            {  
              "id": "2AHBN-AP47",  
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
            }  
          ]  
        }  
      ],  
    },  
    "location": {  
      "elevation": {  
        "height": 11.689583341280619,  
        "heightType": "AGL",  
        "verticalUncertainty": 1  
      }  
    }  
  }  
}
```

```
    },
    "ellipse": {
      "center": {
        "longitude": 121.019745,
        "latitude": 24.84481
      },
      "majorAxis": 1,
      "minorAxis": 0,
      "orientation": 45
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 7115
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    },
    {
      "globalOperatingClass": 132
    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    },
    {
      "globalOperatingClass": 136
    },
    {
      "globalOperatingClass": 137
    }
  ]
}
```

```
]
}
]
}
}
```

2025-09-24T02:17:34Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 18.8
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 18.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 16.0
        },
        {
```

```
"frequencyRange": {
  "highFrequency": 6025,
  "lowFrequency": 6005
},
"maxPsd": 21.4
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 18.1
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 14.5
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 16.8
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 20.1
},
{
  "frequencyRange": {
    "highFrequency": 6605,
```



```
        "lowFrequency": 6585
      },
      "maxPsd": 13.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 18.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 21.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 16.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 10.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
    },
```

```
        "maxPsd": 16.5
      },
      {
        "frequencyRange": {
          "highFrequency": 6725,
          "lowFrequency": 6705
        },
        "maxPsd": 19.2
      },
      {
        "frequencyRange": {
          "highFrequency": 6745,
          "lowFrequency": 6725
        },
        "maxPsd": 21.8
      }
    ],
    "availableChannelInfo": [
      {
        "channelCfi": [
          1,
          5,
          9,
          13,
          49,
          53,
          57,
          61,
          129,
          133,
          137,
          141,
          145,
          149,
          153,
          157
        ]
      },
    ],
```

```
"globalOperatingClass": 131,  
  "maxEirp": [  
    31.8,  
    31.0,  
    29.0,  
    34.4,  
    31.1,  
    27.5,  
    29.8,  
    33.1,  
    26.0,  
    31.5,  
    34.6,  
    29.9,  
    23.7,  
    29.5,  
    32.2,  
    34.8  
  ],  
,  
{  
  "channelCfi": [  
    3,  
    11,  
    51,  
    59,  
    131,  
    139,  
    147,  
    155  
  ],  
  "globalOperatingClass": 132,  
  "maxEirp": [  
    34.0,  
    32.0,  
    30.5,  
    32.8,
```

```
                29.0,
                32.9,
                26.7,
                35.2
            ]
        },
        {
            "channelCfi": [
                7,
                55,
                135,
                151
            ],
            "globalOperatingClass": 133,
            "maxEirp": [
                35.0,
                33.5,
                32.0,
                29.7
            ]
        },
        {
            "channelCfi": [
                143
            ],
            "globalOperatingClass": 134,
            "maxEirp": [
                32.7
            ]
        },
        {
            "channelCfi": [],
            "globalOperatingClass": 137,
            "maxEirp": []
        }
    ],
    "requestId": "04cdc021616b",
```



DUT Spectrum Inquiry Request/Response Logs_EUT 2_Radio 1 Appendix B.3

```
"availabilityExpireTime": "2025-09-25T02:17:34Z",  
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
  "version": "1.4"  
}
```



CT_AFC_SP_AP_AFCDUAU34_FrequencyChannel_10631_1

2025-09-24T02:38:32Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "/*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "728",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc021616b",
        "deviceDescriptor": {
          "serialNumber": "04cdc021616b",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 9.520000076293945,
        "heightType": "AGL",
        "verticalUncertainty": 1
      },
      "ellipse": {
        "center": {
```

```
        "longitude": 121.01974182128906,
        "latitude": 24.844814682006835
      },
      "majorAxis": 1,
      "minorAxis": 0,
      "orientation": 45
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 7115
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    },
    {
      "globalOperatingClass": 132
    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    },
    {
      "globalOperatingClass": 136
    },
    {
      "globalOperatingClass": 137
    }
  ]
}
```

```
}  
}
```

```
##### 2025-09-24T02:38:32Z #####
```

```
{  
  "availableSpectrumInquiryResponses": [  
    {  
      "response": {  
        "responseCode": 0,  
        "shortDescription": "SUCCESS"  
      },  
      "availableFrequencyInfo": [  
        {  
          "frequencyRange": {  
            "highFrequency": 5945,  
            "lowFrequency": 5925  
          },  
          "maxPsd": 23  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 5965,  
            "lowFrequency": 5945  
          },  
          "maxPsd": 23  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 5985,  
            "lowFrequency": 5965  
          },  
          "maxPsd": 23  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6005,  
            "lowFrequency": 5985
```



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

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

```
"frequencyRange": {
  "highFrequency": 6245,
  "lowFrequency": 6225
},
"maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6345,
```

```
        "lowFrequency": 6325
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6545,
        "lowFrequency": 6525
      },

```

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

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

```
        "highFrequency": 6765,
        "lowFrequency": 6745
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
```

```
    },  
    "maxPsd": 23  
  }  
],  
"availableChannelInfo": [  
  {  
    "channelCfi": [  
      1,  
      5,  
      9,  
      13,  
      17,  
      21,  
      25,  
      29,  
      33,  
      37,  
      41,  
      45,  
      49,  
      53,  
      57,  
      61,  
      65,  
      69,  
      73,  
      77,  
      81,  
      85,  
      89,  
      93,  
      117,  
      121,  
      125,  
      129,  
      133,  
      137,
```




```
],
"globalOperatingClass": 131,
```

```
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        19,  
        27,  
        35,  
        43,  
        51,  
        59,  
        67,  
        75,  
        83,  
        91,  
        123,  
        131,  
        139,
```



Sporton International Inc. Hsinchu Laboratory

```
        87,  
        135,  
        151,  
        167  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0  
    ]  
},  
{  
    "channelCfi": [  
        15,  
        47,  
        79,  
        143  
    ],  
    "globalOperatingClass": 134,  
    "maxEirp": [  
        36.0,  
        36.0,  
        36.0,  
        36.0  
    ]  
},  
{  
    "channelCfi": [  
        2  
    ],  
}
```

```
        "globalOperatingClass": 136,  
        "maxEirp": [  
            36.0  
        ]  
    },  
    ],  
    "requestId": "04cdc021616b",  
    "availabilityExpireTime": "2025-09-25T02:38:32Z",  
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```

CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_320MHz_10715_1

2025-09-22T09:10:44Z

{

"headers": {

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

"User-Agent": "Go-http-client/1.1",

"Accept": "*/*",

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

"Accept-Encoding": "gzip",

"X-Forwarded-For": "54.215.237.20",

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

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

"Content-Length": "731",

"Connection": "Keep-Alive"

},

"body": {

"version": "1.4",

"availableSpectrumInquiryRequests": [

{

"requestId": "04cdc021616b",

"deviceDescriptor": {

"serialNumber": "04cdc021616b",

"certificationId": [

{

"id": "2AHBN-AP47",

"rulesetId": "US_47_CFR_PART_15_SUBPART_E"

}

]

},

"location": {

"elevation": {

"height": 10.300000190734863,

"heightType": "AGL",

"verticalUncertainty": 10

},

"ellipse": {

"center": {

```
        "longitude": 121.01973724365234,
        "latitude": 24.84481430053711
    },
    "majorAxis": 50,
    "minorAxis": 50,
    "orientation": 45
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
]
```

```
}  
}
```

```
##### 2025-09-22T09:10:44Z #####
```

```
{  
  "availableSpectrumInquiryResponses": [  
    {  
      "response": {  
        "responseCode": 0,  
        "shortDescription": "SUCCESS"  
      },  
      "availableFrequencyInfo": [  
        {  
          "frequencyRange": {  
            "highFrequency": 6125,  
            "lowFrequency": 6105  
          },  
          "maxPsd": 8.9  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6145,  
            "lowFrequency": 6125  
          },  
          "maxPsd": 16.9  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6165,  
            "lowFrequency": 6145  
          },  
          "maxPsd": 8.7  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6185,  
            "lowFrequency": 6165
```



```
    },
    "maxPsd": 13.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 15.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 10.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 10.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 13.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 10.3
  }
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6305,  
        "lowFrequency": 6285  
      },  
      "maxPsd": 14.9  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6325,  
        "lowFrequency": 6305  
      },  
      "maxPsd": 16.0  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6345,  
        "lowFrequency": 6325  
      },  
      "maxPsd": 6.9  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6365,  
        "lowFrequency": 6345  
      },  
      "maxPsd": 16.0  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6385,  
        "lowFrequency": 6365  
      },  
      "maxPsd": 12.3  
    },  
    {
```

```
"frequencyRange": {
  "highFrequency": 6405,
  "lowFrequency": 6385
},
"maxPsd": 18.5
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 9.3
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      21.9,
```

```
        29.9,
        21.7,
        26.9,
        28.5,
        23.0,
        23.5,
        26.7,
        23.3,
        27.9,
        29.0,
        19.9,
        29.0,
        25.3,
        31.5,
        22.3
    ]
},
{
    "channelCfi": [
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        24.9,
        24.7,
        26.0,
        26.5,
        26.3,
        22.9,
        28.3,
```

```
        25.3
    ]
},
{
    "channelCfi": [
        39,
        55,
        71,
        87
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        27.7,
        29.0,
        25.9,
        28.3
    ]
},
{
    "channelCfi": [
        47,
        79
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        30.7,
        28.9
    ]
},
{
    "channelCfi": [
        63
    ],
    "globalOperatingClass": 137,
    "maxEirp": [
        32.0
    ]
}
```

```
    }
  ],
  "requestId": "04cdc021616b",
  "availabilityExpireTime": "2025-09-23T09:10:44Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-09-22T09:14:00Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "731",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc021616b",
        "deviceDescriptor": {
          "serialNumber": "04cdc021616b",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ]
  }
}
```

```
},
"location": {
  "elevation": {
    "height": 10.300000190734863,
    "heightType": "AGL",
    "verticalUncertainty": 10
  },
  "ellipse": {
    "center": {
      "longitude": 121.01973724365234,
      "latitude": 24.84481430053711
    },
    "majorAxis": 50,
    "minorAxis": 50,
    "orientation": 45
  },
  "indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5925,
    "highFrequency": 7115
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
    "globalOperatingClass": 134
  },
]
```

```
{
  "globalOperatingClass": 136
},
{
  "globalOperatingClass": 137
}
]
}
]
}
}
```

2025-09-22T09:14:00Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 11.8
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 7.5
        },
        {
          "frequencyRange": {
```



```
        "highFrequency": 6005,
        "lowFrequency": 5985
    },
    "maxPsd": 9.6
},
{
    "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
    },
    "maxPsd": 14.4
},
{
    "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
    },
    "maxPsd": 7.1
},
{
    "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
    },
    "maxPsd": 1.9
},
{
    "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
    },
    "maxPsd": 8.0
},
{
    "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
```

```
    },
    "maxPsd": -1.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": -3.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 9.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 10.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 3.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 6.7
  }
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 7.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 7.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 6.4
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
```

```
        45,
        49,
        53,
        57,
        61
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
        24.8,
        20.5,
        22.6,
        27.4,
        20.1,
        14.9,
        21.0,
        12.0,
        9.4,
        22.1,
        23.0,
        16.8,
        19.7,
        20.1,
        20.3,
        19.4
    ]
},
{
    "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        51,
        59
    ],
    ],
```

```
"globalOperatingClass": 132,
"maxEirp": [
    23.5,
    25.6,
    17.9,
    15.0,
    12.4,
    19.8,
    22.7,
    22.4
]
},
{
    "channelCfi": [
        7,
        23,
        39,
        55
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        26.5,
        18.0,
        15.4,
        25.4
    ]
},
{
    "channelCfi": [
        15,
        47
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        21.0,
        18.4
    ]
}
```

```
    },
    {
      "channelCfi": [
        31
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        21.5
      ]
    }
  ],
  "requestId": "04cdc021616b",
  "availabilityExpireTime": "2025-09-23T09:14:00Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

AFC capability - Inquired Frequency & Channel**CT_AFC_SP_AP_AFCDSA31_FrequencyChannel_20MHz_10625_1**

2025-09-24T18:53:01Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "728",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc021616b",
        "deviceDescriptor": {
          "serialNumber": "04cdc021616b",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 10.619999980926513,
        "heightType": "AGL",
        "verticalUncertainty": 0
      },
      "ellipse": {
```

```
        "center": {
            "longitude": 121.01974487304688,
            "latitude": 24.84480438232422
        },
        "majorAxis": 0,
        "minorAxis": 0,
        "orientation": 45
    },
    "indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
```



```
]
}
}

##### 2025-09-24T18:53:01Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 21.0
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 18.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 11.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
```

```
        "lowFrequency": 6005
      },
      "maxPsd": 21.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
      },
      "maxPsd": 15.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
      },
      "maxPsd": 15.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
      },
      "maxPsd": 14.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
      "maxPsd": 13.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6125,
        "lowFrequency": 6105
      },
    },
```

```
"maxPsd": 18.1
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 14.7
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 18.0
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 12.3
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 9.9
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 18.4
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 20.8
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 15.8
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      129,
      133,
      137,
      141
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
```

```
        34.0,
        31.0,
        24.3,
        34.6,
        28.5,
        28.6,
        27.4,
        26.9,
        31.1,
        27.7,
        31.0,
        25.3,
        22.9,
        31.4,
        33.8,
        28.8
    ]
},
{
    "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        131,
        139
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        34.0,
        27.3,
        31.5,
        29.9,
        30.7,
        28.3,
```

```
        25.9,
        31.8
    ]
},
{
    "channelCfi": [
        7,
        23,
        39,
        135
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        30.3,
        32.9,
        31.3,
        28.9
    ]
},
{
    "channelCfi": [
        15
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        33.3
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "04cdc021616b",
"availabilityExpireTime": "2025-09-25T18:53:01Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
```

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

2025-09-24T18:54:46Z

```
{  
  "headers": {  
    "Host": "testserver.wfatestorg.org",  
    "User-Agent": "Go-http-client/1.1",  
    "Accept": "*/*",  
    "Content-Type": "application/json",  
    "Accept-Encoding": "gzip",  
    "X-Forwarded-For": "54.215.237.20",  
    "X-Forwarded-Host": "testserver.wfatestorg.org",  
    "X-Forwarded-Server": "testserver.wfatestorg.org",  
    "Content-Length": "728",  
    "Connection": "Keep-Alive"  
  },  
  "body": {  
    "version": "1.4",  
    "availableSpectrumInquiryRequests": [  
      {  
        "requestId": "04cdc021616b",  
        "deviceDescriptor": {  
          "serialNumber": "04cdc021616b",  
          "certificationId": [  
            {  
              "id": "2AHBN-AP47",  
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
            }  
          ]  
        }  
      ]  
    },  
    "location": {  
      "elevation": {  
        "height": 10.619999980926513,  
        "heightType": "AGL",
```

```
"verticalUncertainty": 0
},
"ellipse": {
  "center": {
    "longitude": 121.01974487304688,
    "latitude": 24.84480438232422
  },
  "majorAxis": 0,
  "minorAxis": 0,
  "orientation": 45
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5925,
    "highFrequency": 7115
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
    "globalOperatingClass": 134
  },
  {
    "globalOperatingClass": 136
  },
  {
    "globalOperatingClass": 137
```



```
    }
  ]
}
]
}
}
```

2025-09-24T18:54:46Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6205,
            "lowFrequency": 6185
          },
          "maxPsd": 13.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6225,
            "lowFrequency": 6205
          },
          "maxPsd": 11.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6245,
            "lowFrequency": 6225
          },
          "maxPsd": 9.4
        },
      ]
    }
  ]
}
```

```
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 12.2
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 20.3
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 16.2
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 18.6
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 13.1
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6365,
        "lowFrequency": 6345
    },
    "maxPsd": 8.3
},
{
    "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
    },
    "maxPsd": 21.8
},
{
    "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
    },
    "maxPsd": 18.6
},
{
    "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
    },
    "maxPsd": 19.5
},
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 13.5
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
```

```
    },
    "maxPsd": 12.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 9.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 18.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 13.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 10.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 17.8
  }
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6825,  
        "lowFrequency": 6805  
      },  
      "maxPsd": 13.6  
    }  
  ],  
  "availableChannelInfo": [  
    {  
      "channelCfi": [  
        49,  
        53,  
        57,  
        61,  
        65,  
        69,  
        73,  
        77,  
        81,  
        85,  
        89,  
        93,  
        145,  
        149,  
        153,  
        157,  
        161,  
        165,  
        169,  
        173  
      ],  
      "globalOperatingClass": 131,  
      "maxEirp": [  
        26.5,  
        24.1,
```

```
        22.4,
        25.2,
        33.3,
        29.2,
        31.6,
        26.1,
        21.3,
        34.8,
        31.6,
        32.5,
        26.5,
        25.8,
        22.7,
        31.9,
        26.7,
        23.8,
        30.8,
        26.6
    ]
},
{
    "channelCfi": [
        51,
        59,
        67,
        75,
        83,
        91,
        147,
        155,
        163,
        171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        27.1,
        25.4,
```

```
        32.2,
        29.1,
        24.3,
        34.6,
        28.8,
        25.7,
        26.8,
        29.6
    ]
},
{
    "channelCfi": [
        55,
        71,
        87,
        151,
        167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        28.4,
        32.1,
        27.3,
        28.7,
        29.8
    ]
},
{
    "channelCfi": [
        79
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        30.3
    ]
},
{
```



DUT Spectrum Inquiry Request/Response Logs_EUT 2_Radio 3 Appendix B.4

```
"channelCfi": [],  
"globalOperatingClass": 137,  
"maxEirp": []  
}  
],  
"requestId": "04cdc021616b",  
"availabilityExpireTime": "2025-09-25T18:54:46Z",  
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```


CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_40MHz_10626_1

2025-09-24T19:01:41Z

{

"headers": {

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

"User-Agent": "Go-http-client/1.1",

"Accept": "*//*",

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

"Accept-Encoding": "gzip",

"X-Forwarded-For": "54.215.237.20",

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

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

"Content-Length": "729",

"Connection": "Keep-Alive"

},

"body": {

"version": "1.4",

"availableSpectrumInquiryRequests": [

{

"requestId": "04cdc021616b",

"deviceDescriptor": {

"serialNumber": "04cdc021616b",

"certificationId": [

{

"id": "2AHBN-AP47",

"rulesetId": "US_47_CFR_PART_15_SUBPART_E"

}

]

},

"location": {

"elevation": {

"height": 11.066666603088379,

"heightType": "AGL",

"verticalUncertainty": 1

},

"ellipse": {

"center": {

```
        "longitude": 121.01973724365234,
        "latitude": 24.844807942708332
    },
    "majorAxis": 1,
    "minorAxis": 0,
    "orientation": 45
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
]
```

```
}
}

##### 2025-09-24T19:01:41Z #####

{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6205,
            "lowFrequency": 6185
          },
          "maxPsd": 21.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6225,
            "lowFrequency": 6205
          },
          "maxPsd": 19.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6245,
            "lowFrequency": 6225
          },
          "maxPsd": 16.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6265,
            "lowFrequency": 6245
          }
        }
      ]
    }
  ]
}
```

```
    },
    "maxPsd": 21.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 15.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 16.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 12.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 21.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 11.3
  }
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 17.9
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 16.5
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 11.2
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 9.6
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 10.7
},
{
```

```
"frequencyRange": {
  "highFrequency": 6805,
  "lowFrequency": 6785
},
"maxPsd": 17.1
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 17.4
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      129,
      133,
      137,
      141,
      161,
      165,
      169,
      173
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      34.6,
```

```
        32.7,  
        29.4,  
        34.7,  
        28.2,  
        29.2,  
        25.3,  
        34.0,  
        24.3,  
        30.9,  
        29.5,  
        24.2,  
        22.6,  
        23.7,  
        30.1,  
        30.4  
    ]  
},  
{  
    "channelCfi": [  
        51,  
        59,  
        67,  
        75,  
        131,  
        139,  
        163,  
        171  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        35.7,  
        32.4,  
        31.2,  
        28.3,  
        27.3,  
        27.2,  
        25.6,
```

```
        33.1
      ]
    },
    {
      "channelCfi": [
        55,
        71,
        135,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        35.4,
        31.3,
        30.2,
        28.6
      ]
    },
    {
      "channelCfi": [],
      "globalOperatingClass": 134,
      "maxEirp": []
    },
    {
      "channelCfi": [],
      "globalOperatingClass": 137,
      "maxEirp": []
    }
  ],
  "requestId": "04cdc021616b",
  "availabilityExpireTime": "2025-09-25T19:01:41Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```


2025-09-24T19:02:34Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "729",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc021616b",
        "deviceDescriptor": {
          "serialNumber": "04cdc021616b",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        },
        "location": {
          "elevation": {
            "height": 11.066666603088379,
            "heightType": "AGL",
            "verticalUncertainty": 1
          },
          "ellipse": {
            "center": {
              "longitude": 121.01973724365234,
```

```
        "latitude": 24.844807942708332
      },
      "majorAxis": 1,
      "minorAxis": 0,
      "orientation": 45
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 7115
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    },
    {
      "globalOperatingClass": 132
    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    },
    {
      "globalOperatingClass": 136
    },
    {
      "globalOperatingClass": 137
    }
  ]
}
]
```



```
}

##### 2025-09-24T19:02:34Z #####

{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6205,
            "lowFrequency": 6185
          },
          "maxPsd": 21.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6225,
            "lowFrequency": 6205
          },
          "maxPsd": 19.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6245,
            "lowFrequency": 6225
          },
          "maxPsd": 16.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6265,
            "lowFrequency": 6245
          },

```

```
"maxPsd": 21.7
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 15.2
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 16.2
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 12.3
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 21.0
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 11.3
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 17.9
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 16.5
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 11.2
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 9.6
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 10.7
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6805,
        "lowFrequency": 6785
    },
    "maxPsd": 17.1
},
{
    "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
    },
    "maxPsd": 17.4
}
],
"availableChannelInfo": [
    {
        "channelCfi": [
            49,
            53,
            57,
            61,
            65,
            69,
            73,
            77,
            129,
            133,
            137,
            141,
            161,
            165,
            169,
            173
        ],
        "globalOperatingClass": 131,
        "maxEirp": [
            34.6,
            32.7,
```

```
        29.4,
        34.7,
        28.2,
        29.2,
        25.3,
        34.0,
        24.3,
        30.9,
        29.5,
        24.2,
        22.6,
        23.7,
        30.1,
        30.4
    ]
},
{
    "channelCfi": [
        51,
        59,
        67,
        75,
        131,
        139,
        163,
        171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        35.7,
        32.4,
        31.2,
        28.3,
        27.3,
        27.2,
        25.6,
        33.1
    ]
}
```

```
    ]
  },
  {
    "channelCfi": [
      55,
      71,
      135,
      167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
      35.4,
      31.3,
      30.2,
      28.6
    ]
  },
  {
    "channelCfi": [],
    "globalOperatingClass": 134,
    "maxEirp": []
  },
  {
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
  }
],
"requestId": "04cdc021616b",
"availabilityExpireTime": "2025-09-25T19:02:34Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-09-24T19:04:43Z


```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "729",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc021616b",
        "deviceDescriptor": {
          "serialNumber": "04cdc021616b",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 11.066666603088379,
        "heightType": "AGL",
        "verticalUncertainty": 1
      },
      "ellipse": {
        "center": {
          "longitude": 121.01973724365234,
          "latitude": 24.844807942708332
        }
      }
    }
  }
}
```

```
    },
    "majorAxis": 1,
    "minorAxis": 0,
    "orientation": 45
  },
  "indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5925,
    "highFrequency": 7115
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
    "globalOperatingClass": 134
  },
  {
    "globalOperatingClass": 136
  },
  {
    "globalOperatingClass": 137
  }
]
}
]
}
```

2025-09-24T19:04:43Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 9.4
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 9.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 11.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 10.1
        }
      ]
    }
  ]
}
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 21.5
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 9.2
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 14.0
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 10.7
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 19.1
},
{
```

```
"frequencyRange": {
  "highFrequency": 6145,
  "lowFrequency": 6125
},
"maxPsd": 17.9
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 17.5
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 13.4
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 8.5
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 11.0
},
{
  "frequencyRange": {
    "highFrequency": 6405,
```

```
        "lowFrequency": 6385
      },
      "maxPsd": 10.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 14.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 15.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 16.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 14.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
    },
```

```
"maxPsd": 19.1
}
],
"availableChannelInfo": [
{
  "channelCfi": [
    1,
    5,
    9,
    13,
    17,
    21,
    25,
    29,
    33,
    37,
    41,
    45,
    81,
    85,
    89,
    93,
    145,
    149,
    153,
    157
  ],
  "globalOperatingClass": 131,
  "maxEirp": [
    22.4,
    22.4,
    24.2,
    23.1,
    34.5,
    22.2,
    27.0,
    23.7,
```

```
        32.1,
        30.9,
        30.5,
        26.4,
        21.5,
        24.0,
        23.9,
        27.5,
        28.5,
        29.2,
        27.6,
        32.1
    ]
},
{
    "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        83,
        91,
        147,
        155
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        25.4,
        26.1,
        25.2,
        26.7,
        33.9,
        29.4,
        24.5,
        26.9,
```



```
        31.5,
        30.6
    ],
},
{
    "channelCfi": [
        7,
        23,
        39,
        87,
        151
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        28.4,
        28.2,
        32.4,
        27.5,
        33.6
    ]
},
{
    "channelCfi": [
        15
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        31.2
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "04cdc021616b",
```



DUT Spectrum Inquiry Request/Response Logs_EUT 2_Radio 3 Appendix B.4

```
"availabilityExpireTime": "2025-09-25T19:04:43Z",  
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
  "version": "1.4"  
}
```

CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_80MHz_10627_1

2025-09-24T19:15:28Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "732",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc021616b",
        "deviceDescriptor": {
          "serialNumber": "04cdc021616b",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        },
        "location": {
          "elevation": {
            "height": 15.3999999618530273,
            "heightType": "AGL",
            "verticalUncertainty": 10
          },
          "ellipse": {
            "center": {
```

```
        "longitude": 121.01976013183594,
        "latitude": 24.844791412353516
    },
    "majorAxis": 50,
    "minorAxis": 50,
    "orientation": 45
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
]
```

```
    }
  }

##### 2025-09-24T19:15:28Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 8.0
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 11.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 17.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          }
        }
      ]
    }
  ]
}
```

```
    },
    "maxPsd": 8.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 9.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 11.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 15.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 19.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 18.3
  }
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 12.4
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 10.9
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 17.5
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 8.8
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 11.5
},
{
```

```
"frequencyRange": {
  "highFrequency": 6805,
  "lowFrequency": 6785
},
"maxPsd": 14.5
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 11.8
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      49,
      53,
      57,
      61,
      161,
      165,
      169,
      173
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      21.0,
```



```
        24.7,  
        30.4,  
        21.2,  
        22.5,  
        24.8,  
        28.4,  
        32.8,  
        31.3,  
        25.4,  
        23.9,  
        30.5,  
        21.8,  
        24.5,  
        27.5,  
        24.8  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        19,  
        27,  
        51,  
        59,  
        163,  
        171  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        24.0,  
        24.2,  
        25.5,  
        31.4,  
        28.4,  
        26.9,  
        24.8,
```

```
        27.8
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        55,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        27.0,
        28.5,
        29.9,
        27.8
      ]
    },
    {
      "channelCfi": [
        15
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        30.0
      ]
    },
    {
      "channelCfi": [],
      "globalOperatingClass": 137,
      "maxEirp": []
    }
  ],
  "requestId": "04cdc021616b",
  "availabilityExpireTime": "2025-09-25T19:15:28Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
```

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

##### 2025-09-24T19:15:49Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "711",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc021616b",
        "deviceDescriptor": {
          "serialNumber": "04cdc021616b",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 12.273076891899109,
        "heightType": "AGL",
        "verticalUncertainty": 3
      }
    }
  }
}
```

```
    },
    "ellipse": {
      "center": {
        "longitude": 121.01974,
        "latitude": 24.844803
      },
      "majorAxis": 5,
      "minorAxis": 1,
      "orientation": 45
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 7115
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    },
    {
      "globalOperatingClass": 132
    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    },
    {
      "globalOperatingClass": 136
    },
    {
      "globalOperatingClass": 137
    }
  ]
}
```

```
]
}
]
}
}
```

2025-09-24T19:15:49Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 8.0
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 11.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 17.4
        },
        {
```

```
"frequencyRange": {
  "highFrequency": 6025,
  "lowFrequency": 6005
},
"maxPsd": 8.2
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 9.5
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 11.8
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 15.4
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 19.8
},
{
  "frequencyRange": {
    "highFrequency": 6205,
```

```
        "lowFrequency": 6185
      },
      "maxPsd": 18.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 12.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 10.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 17.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 8.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
    },
```

```
"maxPsd": 11.5
},
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 14.5
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 11.8
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      49,
      53,
      57,
      61,
      161,
      165,
      169,
      173
    ]
  },
]
```



```
"globalOperatingClass": 131,
"maxEirp": [
    21.0,
    24.7,
    30.4,
    21.2,
    22.5,
    24.8,
    28.4,
    32.8,
    31.3,
    25.4,
    23.9,
    30.5,
    21.8,
    24.5,
    27.5,
    24.8
]
},
{
    "channelCfi": [
        3,
        11,
        19,
        27,
        51,
        59,
        163,
        171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        24.0,
        24.2,
        25.5,
        31.4,
```

```
        28.4,
        26.9,
        24.8,
        27.8
    ]
},
{
    "channelCfi": [
        7,
        23,
        55,
        167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        27.0,
        28.5,
        29.9,
        27.8
    ]
},
{
    "channelCfi": [
        15
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        30.0
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "04cdc021616b",
```

```
"availabilityExpireTime": "2025-09-25T19:15:49Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-09-24T19:16:26Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "711",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc021616b",
        "deviceDescriptor": {
          "serialNumber": "04cdc021616b",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
```

```
"height": 12.273076891899109,
"heightType": "AGL",
"verticalUncertainty": 3
},
"ellipse": {
  "center": {
    "longitude": 121.01974,
    "latitude": 24.844803
  },
  "majorAxis": 5,
  "minorAxis": 1,
  "orientation": 45
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5925,
    "highFrequency": 7115
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
    "globalOperatingClass": 134
  },
  {
    "globalOperatingClass": 136
  },
]
```

```
{
  "globalOperatingClass": 137
}
]
}
]
}
```

2025-09-24T19:16:26Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 8.0
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 11.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },

```

```
"maxPsd": 17.4
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 8.2
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 9.5
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 11.8
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 15.4
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 19.8
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 18.3
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 12.4
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 10.9
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 17.5
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 8.8
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6785,
        "lowFrequency": 6765
    },
    "maxPsd": 11.5
},
{
    "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
    },
    "maxPsd": 14.5
},
{
    "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
    },
    "maxPsd": 11.8
}
],
"availableChannelInfo": [
    {
        "channelCfi": [
            1,
            5,
            9,
            13,
            17,
            21,
            25,
            29,
            49,
            53,
            57,
            61,
            161,
            165,
```



```
        169,
        173
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
        21.0,
        24.7,
        30.4,
        21.2,
        22.5,
        24.8,
        28.4,
        32.8,
        31.3,
        25.4,
        23.9,
        30.5,
        21.8,
        24.5,
        27.5,
        24.8
    ]
},
{
    "channelCfi": [
        3,
        11,
        19,
        27,
        51,
        59,
        163,
        171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        24.0,
```

```
        24.2,
        25.5,
        31.4,
        28.4,
        26.9,
        24.8,
        27.8
    ]
},
{
    "channelCfi": [
        7,
        23,
        55,
        167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        27.0,
        28.5,
        29.9,
        27.8
    ]
},
{
    "channelCfi": [
        15
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        30.0
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
```

```
    }
  ],
  "requestId": "04cdc021616b",
  "availabilityExpireTime": "2025-09-25T19:16:26Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-09-24T19:18:25Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "711",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc021616b",
        "deviceDescriptor": {
          "serialNumber": "04cdc021616b",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      ]
    ]
  }
}
```

```
},
"location": {
  "elevation": {
    "height": 12.273076891899109,
    "heightType": "AGL",
    "verticalUncertainty": 3
  },
  "ellipse": {
    "center": {
      "longitude": 121.01974,
      "latitude": 24.844803
    },
    "majorAxis": 5,
    "minorAxis": 1,
    "orientation": 45
  },
  "indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5925,
    "highFrequency": 7115
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
    "globalOperatingClass": 134
  },
]
```

```
{
  "globalOperatingClass": 136
},
{
  "globalOperatingClass": 137
}
]
}
]
}
```

2025-09-24T19:18:25Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 9.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 9.0
        },
        {
          "frequencyRange": {
```

```
        "highFrequency": 6165,
        "lowFrequency": 6145
    },
    "maxPsd": 10.0
},
{
    "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
    },
    "maxPsd": 16.0
},
{
    "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
    },
    "maxPsd": 8.0
},
{
    "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
    },
    "maxPsd": 19.1
},
{
    "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
    },
    "maxPsd": 10.8
},
{
    "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
```

```
    },
    "maxPsd": 15.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 14.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 10.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 18.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 19.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 18.7
  }
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 9.0
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 17.4
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 17.4
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 10.4
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 12.3
},
{
```



```
"frequencyRange": {
  "highFrequency": 6725,
  "lowFrequency": 6705
},
"maxPsd": 11.6
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 19.4
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      33,
      37,
      41,
      45,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157
    ]
  }
]
```

```
],  
  "globalOperatingClass": 131,  
  "maxEirp": [  
    22.3,  
    22.0,  
    23.0,  
    29.0,  
    21.0,  
    32.1,  
    23.8,  
    28.8,  
    27.7,  
    23.5,  
    31.8,  
    32.8,  
    31.7,  
    22.0,  
    30.4,  
    30.4,  
    23.4,  
    25.3,  
    24.6,  
    32.4  
  ]  
},  
{  
  "channelCfi": [  
    35,  
    43,  
    67,  
    75,  
    83,  
    91,  
    131,  
    139,  
    147,  
    155
```

```
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        25.0,
        26.0,
        24.0,
        26.8,
        26.5,
        34.8,
        25.0,
        33.4,
        26.4,
        27.6
    ]
},
{
    "channelCfi": [
        39,
        71,
        87,
        135,
        151
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        28.0,
        27.0,
        29.5,
        28.0,
        29.4
    ]
},
{
    "channelCfi": [
        79,
        143
    ],
    ],
```

```
"globalOperatingClass": 134,
  "maxEirp": [
    30.0,
    31.0
  ],
},
{
  "channelCfi": [],
  "globalOperatingClass": 137,
  "maxEirp": []
},
],
"requestId": "04cdc021616b",
"availabilityExpireTime": "2025-09-25T19:18:25Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1

2025-09-24T19:26:10Z

{

"headers": {

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

"User-Agent": "Go-http-client/1.1",

"Accept": "*//*",

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

"Accept-Encoding": "gzip",

"X-Forwarded-For": "54.215.237.20",

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

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

"Content-Length": "728",

"Connection": "Keep-Alive"

},

"body": {

"version": "1.4",

"availableSpectrumInquiryRequests": [

{

"requestId": "04cdc021616b",

"deviceDescriptor": {

"serialNumber": "04cdc021616b",

"certificationId": [

{

"id": "2AHBN-AP47",

"rulesetId": "US_47_CFR_PART_15_SUBPART_E"

}

]

},

"location": {

"elevation": {

"height": 11.785714149475098,

"heightType": "AGL",

"verticalUncertainty": 1

},

"ellipse": {

"center": {

```
        "longitude": 121.01974378313336,
        "latitude": 24.84480885096959
    },
    "majorAxis": 2,
    "minorAxis": 0,
    "orientation": 45
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
]
```

```
}
}

##### 2025-09-24T19:26:10Z #####

{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 16.5
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 21.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 8.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          }
        }
      ]
    }
  ]
}
```

```
    },
    "maxPsd": 12.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 16.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 12.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 19.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 11.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 11.7
  }
```



```
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 13.6
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 16.2
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 14.9
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 12.9
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 15.7
},
{
```

```
"frequencyRange": {
  "highFrequency": 6405,
  "lowFrequency": 6385
},
"maxPsd": 11.1
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 15.5
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      29.5,
```

```
        34.1,
        21.1,
        25.6,
        29.9,
        25.6,
        32.5,
        24.1,
        24.7,
        26.6,
        29.2,
        27.9,
        25.9,
        28.7,
        24.1,
        28.5
    ]
},
{
    "channelCfi": [
        3,
        11,
        19,
        27,
        67,
        75,
        83,
        91
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        32.5,
        24.1,
        28.6,
        27.1,
        27.7,
        30.9,
        28.9,
```

```
        27.1
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        71,
        87
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        27.1,
        30.1,
        30.7,
        30.1
      ]
    },
    {
      "channelCfi": [
        15,
        79
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        30.1,
        33.1
      ]
    },
    {
      "channelCfi": [],
      "globalOperatingClass": 137,
      "maxEirp": []
    }
  ],
  "requestId": "04cdc021616b",
  "availabilityExpireTime": "2025-09-25T19:26:10Z",
```

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

2025-09-24T19:26:31Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "728",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc021616b",
        "deviceDescriptor": {
          "serialNumber": "04cdc021616b",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        },
        "location": {
          "elevation": {
            "height": 11.785714149475098,
```

```
"heightType": "AGL",
"verticalUncertainty": 1
},
"ellipse": {
  "center": {
    "longitude": 121.01974378313336,
    "latitude": 24.84480885096959
  },
  "majorAxis": 2,
  "minorAxis": 0,
  "orientation": 45
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5925,
    "highFrequency": 7115
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
    "globalOperatingClass": 134
  },
  {
    "globalOperatingClass": 136
  },
  {
```

```
        "globalOperatingClass": 137
      }
    ]
  }
]
}
}
```

2025-09-24T19:26:31Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 16.5
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 21.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 8.1
        }
      ]
    }
  ]
}
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 12.6
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 16.9
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 12.6
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 19.5
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 11.1
},
{
```



```
"frequencyRange": {
  "highFrequency": 6285,
  "lowFrequency": 6265
},
"maxPsd": 11.7
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 13.6
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 16.2
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 14.9
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 12.9
},
{
  "frequencyRange": {
    "highFrequency": 6385,
```

```
        "lowFrequency": 6365
      },
      "maxPsd": 15.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 11.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 15.5
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
```

```
93
],
"globalOperatingClass": 131,
"maxEirp": [
    29.5,
    34.1,
    21.1,
    25.6,
    29.9,
    25.6,
    32.5,
    24.1,
    24.7,
    26.6,
    29.2,
    27.9,
    25.9,
    28.7,
    24.1,
    28.5
]
},
{
    "channelCfi": [
        3,
        11,
        19,
        27,
        67,
        75,
        83,
        91
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        32.5,
        24.1,
```

```
        28.6,
        27.1,
        27.7,
        30.9,
        28.9,
        27.1
    ]
},
{
    "channelCfi": [
        7,
        23,
        71,
        87
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        27.1,
        30.1,
        30.7,
        30.1
    ]
},
{
    "channelCfi": [
        15,
        79
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        30.1,
        33.1
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
```

```
        "maxEirp": []
      }
    ],
    "requestId": "04cdc021616b",
    "availabilityExpireTime": "2025-09-25T19:26:31Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}
```

2025-09-24T19:28:37Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "728",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc021616b",
        "deviceDescriptor": {
          "serialNumber": "04cdc021616b",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ]
  }
}
```

```
]
},
"location": {
  "elevation": {
    "height": 11.785714149475098,
    "heightType": "AGL",
    "verticalUncertainty": 1
  },
  "ellipse": {
    "center": {
      "longitude": 121.01974378313336,
      "latitude": 24.84480885096959
    },
    "majorAxis": 2,
    "minorAxis": 0,
    "orientation": 45
  },
  "indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5925,
    "highFrequency": 7115
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
    "globalOperatingClass": 134
  }
]
```

```
    },
    {
      "globalOperatingClass": 136
    },
    {
      "globalOperatingClass": 137
    }
  ]
}
]
```

2025-09-24T19:28:37Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 8.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 21.3
        }
      ]
    }
  ]
}
```

```
"frequencyRange": {
  "highFrequency": 6165,
  "lowFrequency": 6145
},
"maxPsd": 14.8
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 10.1
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 8.5
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 17.5
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 17.7
},
{
  "frequencyRange": {
    "highFrequency": 6265,
```



```
        "lowFrequency": 6245
      },
      "maxPsd": 10.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 15.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 19.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 8.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 21.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
    },
```

```
"maxPsd": 12.8
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 19.1
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 8.7
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 20.2
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      129,
      133,
```

```
        137,
        141,
        145,
        149,
        153,
        157
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
        21.1,
        34.3,
        27.8,
        23.1,
        21.5,
        30.5,
        30.7,
        23.2,
        28.3,
        32.5,
        21.7,
        34.0,
        25.8,
        32.1,
        21.7,
        33.2
    ]
},
{
    "channelCfi": [
        35,
        43,
        51,
        59,
        131,
        139,
        147,
        155
```

```
],
"globalOperatingClass": 132,
"maxEirp": [
    24.1,
    26.1,
    24.5,
    26.2,
    31.3,
    24.7,
    28.8,
    24.7
]
},
{
    "channelCfi": [
        39,
        55,
        135,
        151
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        27.1,
        27.5,
        27.7,
        27.7
    ]
},
{
    "channelCfi": [
        47,
        143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        30.1,
        30.7
    ]
}
```

```
    ]
  },
  {
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
  }
],
"requestId": "04cdc021616b",
"availabilityExpireTime": "2025-09-25T19:28:37Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

CT_AFC_SP_AP_AFCDUSA32_FrequencyChannel_10629_1

2025-09-26T23:33:27Z

{

"headers": {

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

"User-Agent": "Go-http-client/1.1",

"Accept": "*//*",

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

"Accept-Encoding": "gzip",

"X-Forwarded-For": "54.215.237.20",

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

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

"Content-Length": "728",

"Connection": "Keep-Alive"

},

"body": {

"version": "1.4",

"availableSpectrumInquiryRequests": [

{

"requestId": "04cdc021616b",

"deviceDescriptor": {

"serialNumber": "04cdc021616b",

"certificationId": [

{

"id": "2AHBN-AP47",

"rulesetId": "US_47_CFR_PART_15_SUBPART_E"

}

]

},

"location": {

"elevation": {

"height": 13.72222222222221,

"heightType": "AGL",

"verticalUncertainty": 1

},

"ellipse": {

"center": {

```
        "longitude": 121.01973470052083,
        "latitude": 24.84480709499783
    },
    "majorAxis": 1,
    "minorAxis": 0,
    "orientation": 45
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
]
```

```
}
}

##### 2025-09-26T23:33:27Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "availableChannelInfo": [],
      "requestId": "04cdc021616b",
      "availabilityExpireTime": "2025-09-27T23:33:27Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

##### 2025-09-26T23:33:40Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "728",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
```



```
"availableSpectrumInquiryRequests": [  
  {  
    "requestId": "04cdc021616b",  
    "deviceDescriptor": {  
      "serialNumber": "04cdc021616b",  
      "certificationId": [  
        {  
          "id": "2AHBN-AP47",  
          "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
        }  
      ]  
    },  
    "location": {  
      "elevation": {  
        "height": 13.72222222222221,  
        "heightType": "AGL",  
        "verticalUncertainty": 1  
      },  
      "ellipse": {  
        "center": {  
          "longitude": 121.01973470052083,  
          "latitude": 24.84480709499783  
        },  
        "majorAxis": 1,  
        "minorAxis": 0,  
        "orientation": 45  
      },  
      "indoorDeployment": 1  
    },  
    "inquiredFrequencyRange": [  
      {  
        "lowFrequency": 5925,  
        "highFrequency": 7115  
      }  
    ],  
    "inquiredChannels": [  
      {
```

```
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      },
      {
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 136
      },
      {
        "globalOperatingClass": 137
      }
    ]
  }
]
}
}

##### 2025-09-26T23:33:40Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "availableChannelInfo": [],
      "requestId": "04cdc021616b",
      "availabilityExpireTime": "2025-09-27T23:33:40Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ]
}
```



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

CT_AFC_SP_AP_AFCDSAU33_FrequencyChannel_10630_1

2025-09-26T23:44:54Z

{

"headers": {

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

"User-Agent": "Go-http-client/1.1",

"Accept": "*//*",

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

"Accept-Encoding": "gzip",

"X-Forwarded-For": "54.215.237.20",

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

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

"Content-Length": "728",

"Connection": "Keep-Alive"

},

"body": {

"version": "1.4",

"availableSpectrumInquiryRequests": [

{

"requestId": "04cdc021616b",

"deviceDescriptor": {

"serialNumber": "04cdc021616b",

"certificationId": [

{

"id": "2AHBN-AP47",

"rulesetId": "US_47_CFR_PART_15_SUBPART_E"

}

]

},

"location": {

"elevation": {

"height": 13.72222222222221,

"heightType": "AGL",

"verticalUncertainty": 1

},

"ellipse": {

"center": {

```
        "longitude": 121.01973470052083,
        "latitude": 24.84480709499783
    },
    "majorAxis": 1,
    "minorAxis": 0,
    "orientation": 45
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
]
```

```
    }
  }

##### 2025-09-26T23:44:54Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 13.2
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 8.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 19.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          }
        }
      ]
    }
  ]
}
```

```
    },
    "maxPsd": 13.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 12.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 10.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 14.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 15.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 18.1
  }
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 12.3
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 11.8
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 13.0
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 21.4
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 18.0
},
{

```



```
"frequencyRange": {
  "highFrequency": 6725,
  "lowFrequency": 6705
},
"maxPsd": 19.0
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 19.4
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      145,
      149,
      153,
      157
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      26.2,
```

```
        21.9,
        32.5,
        26.9,
        25.1,
        23.3,
        27.0,
        28.5,
        31.1,
        25.3,
        24.8,
        26.0,
        34.4,
        31.0,
        32.0,
        32.4
    ]
},
{
    "channelCfi": [
        3,
        11,
        51,
        59,
        67,
        75,
        147,
        155
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        24.9,
        29.9,
        26.3,
        30.0,
        28.3,
        27.8,
        34.0,
```

```
        35.0
      ]
    },
    {
      "channelCfi": [
        7,
        55,
        71,
        151
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        27.9,
        29.3,
        30.8,
        36.0
      ]
    },
    {
      "channelCfi": [],
      "globalOperatingClass": 134,
      "maxEirp": []
    },
    {
      "channelCfi": [],
      "globalOperatingClass": 137,
      "maxEirp": []
    }
  ],
  "requestId": "04cdc021616b",
  "availabilityExpireTime": "2025-09-27T23:44:54Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

CT_AFC_SP_AP_AFCDUUAU34_FrequencyChannel_10631_1

2025-09-27T00:36:07Z

{

"headers": {

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

"User-Agent": "Go-http-client/1.1",

"Accept": "*//*",

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

"Accept-Encoding": "gzip",

"X-Forwarded-For": "54.215.237.20",

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

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

"Content-Length": "712",

"Connection": "Keep-Alive"

},

"body": {

"version": "1.4",

"availableSpectrumInquiryRequests": [

{

"requestId": "04cdc021616b",

"deviceDescriptor": {

"serialNumber": "04cdc021616b",

"certificationId": [

{

"id": "2AHBN-AP47",

"rulesetId": "US_47_CFR_PART_15_SUBPART_E"

}

]

},

"location": {

"elevation": {

"height": 13.703125059604645,

"heightType": "AGL",

"verticalUncertainty": 1

},

"ellipse": {

"center": {

```
        "longitude": 121.019745,
        "latitude": 24.844805
    },
    "majorAxis": 2,
    "minorAxis": 0,
    "orientation": 45
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
]
```



```
    }
  }

##### 2025-09-27T00:36:07Z #####

{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5945,
            "lowFrequency": 5925
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          }
        }
      ]
    }
  ]
}
```

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

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



```
"frequencyRange": {
  "highFrequency": 6245,
  "lowFrequency": 6225
},
"maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6345,
```

```
        "lowFrequency": 6325
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6545,
        "lowFrequency": 6525
      },

```

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

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

```
        "highFrequency": 6765,
        "lowFrequency": 6745
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
```

```
    },
    "maxPsd": 23
  }
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93,
      117,
      121,
      125,
      129,
      133,
      137,
```



]

```
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        19,  
        27,  
        35,  
        43,  
        51,  
        59,  
        67,  
        75,  
        83,  
        91,  
        123,  
        131,  
        139,
```



```
        147,
        155,
        163,
        171,
        179
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0
    ]
},
{
    "channelCfi": [
        7,
        23,
        39,
        55,
        71,
```

```
        87,
        135,
        151,
        167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0
    ]
},
{
    "channelCfi": [
        15,
        47,
        79,
        143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        36.0,
        36.0,
        36.0,
        36.0
    ]
},
{
    "channelCfi": [
        2
    ],
    ],
```

```
        "globalOperatingClass": 136,
        "maxEirp": [
            36.0
        ]
    },
    ],
    "requestId": "04cdc021616b",
    "availabilityExpireTime": "2025-09-28T00:36:07Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-09-27T00:39:04Z

```
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "Go-http-client/1.1",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "Accept-Encoding": "gzip",
        "X-Forwarded-For": "54.215.237.20",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "712",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "04cdc021616b",
                "deviceDescriptor": {
                    "serialNumber": "04cdc021616b",
                    "certificationId": [
                        {

```

```
        "id": "2AHBN-AP47",
        "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
]
},
"location": {
    "elevation": {
        "height": 13.703125059604645,
        "heightType": "AGL",
        "verticalUncertainty": 1
    },
    "ellipse": {
        "center": {
            "longitude": 121.019745,
            "latitude": 24.844805
        },
        "majorAxis": 2,
        "minorAxis": 0,
        "orientation": 45
    },
    "indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    }
]
```

```
    },
    {
      "globalOperatingClass": 134
    },
    {
      "globalOperatingClass": 136
    },
    {
      "globalOperatingClass": 137
    }
  ]
}
]
```

2025-09-27T00:39:04Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5945,
            "lowFrequency": 5925
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },

```

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

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

```
        "highFrequency": 6185,
        "lowFrequency": 6165
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
```



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

```
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6545,
    "lowFrequency": 6525
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6565,
    "lowFrequency": 6545
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 23
},
{
```

```
"frequencyRange": {
  "highFrequency": 6625,
  "lowFrequency": 6605
},
"maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6725,
```

```
        "lowFrequency": 6705
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
    },
```

```
"maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6845,
    "lowFrequency": 6825
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6865,
    "lowFrequency": 6845
  },
  "maxPsd": 23
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
```

69,
73,
77,
81,
85,
89,
93,
117,
121,
125,
129,
133,
137,
141,
145,
149,
153,
157,
161,
165,
169,
173,
177,
181
],
"globalOperatingClass": 131,
"maxEirp": [
36.0,
36.0,
36.0,
36.0,
36.0,
36.0,
36.0,
36.0,
36.0,
36.0,
36.0,



3,
11,

[illegible]


```
        36.0,
        36.0,
        36.0,
        36.0
    ]
},
{
    "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0
    ]
},
{
    "channelCfi": [
        15,
        47,
        79,
        143
```

```
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        36.0,
        36.0,
        36.0,
        36.0
    ]
},
{
    "channelCfi": [
        2
    ],
    "globalOperatingClass": 136,
    "maxEirp": [
        36.0
    ]
}
],
"requestId": "04cdc021616b",
"availabilityExpireTime": "2025-09-28T00:39:04Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

AFC capability - Inquired Frequency & Channel**CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_20MHz_10625_1**

2025-09-24T13:34:22Z

{

"headers": {

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

"User-Agent": "Go-http-client/1.1",

"Accept": "*/*",

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

"Accept-Encoding": "gzip",

"X-Forwarded-For": "54.215.237.20",

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

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

"Content-Length": "728",

"Connection": "Keep-Alive"

},

"body": {

"version": "1.4",

"availableSpectrumInquiryRequests": [

{

"requestId": "04cdc020d953",

"deviceDescriptor": {

"serialNumber": "04cdc020d953",

"certificationId": [

{

"id": "2AHBN-AP47",

"rulesetId": "US_47_CFR_PART_15_SUBPART_E"

}

]

},

"location": {

"elevation": {

"height": 9.520000076293945,

"heightType": "AGL",

"verticalUncertainty": 0

},

"ellipse": {

```
        "center": {
            "longitude": 121.01976013183594,
            "latitude": 24.844792938232423
        },
        "majorAxis": 3,
        "minorAxis": 1,
        "orientation": 45
    },
    "indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
```

```
]
}
}
```

```
##### 2025-09-24T13:34:22Z #####
```

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 8.9
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 10.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 11.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
```

```
        "lowFrequency": 6005
      },
      "maxPsd": 10.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
      },
      "maxPsd": 11.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
      },
      "maxPsd": 16.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
      },
      "maxPsd": 15.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
      "maxPsd": 20.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
    },
```

```
"maxPsd": 13.3
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 19.7
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 10.6
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 13.7
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 18.4
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 19.6
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 19.8
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 16.0
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      81,
      85,
      89,
      93,
      129,
      133,
      137,
      141
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
```



```
        21.9,
        23.2,
        24.3,
        23.1,
        24.3,
        29.0,
        28.1,
        33.5,
        26.3,
        32.7,
        23.6,
        26.7,
        31.4,
        32.6,
        32.8,
        29.0
    ]
},
{
    "channelCfi": [
        3,
        11,
        19,
        27,
        83,
        91,
        131,
        139
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        24.9,
        26.1,
        27.3,
        31.1,
        29.3,
        26.6,
```

```
        34.4,
        32.0
    ]
},
{
    "channelCfi": [
        7,
        23,
        87,
        135
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        27.9,
        30.3,
        29.6,
        35.0
    ]
},
{
    "channelCfi": [
        15
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        30.9
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "04cdc020d953",
"availabilityExpireTime": "2025-09-25T13:34:22Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
```

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

2025-09-24T13:45:17Z

```
{  
  "headers": {  
    "Host": "testserver.wfatestorg.org",  
    "User-Agent": "Go-http-client/1.1",  
    "Accept": "*/*",  
    "Content-Type": "application/json",  
    "Accept-Encoding": "gzip",  
    "X-Forwarded-For": "54.215.237.20",  
    "X-Forwarded-Host": "testserver.wfatestorg.org",  
    "X-Forwarded-Server": "testserver.wfatestorg.org",  
    "Content-Length": "728",  
    "Connection": "Keep-Alive"  
  },  
  "body": {  
    "version": "1.4",  
    "availableSpectrumInquiryRequests": [  
      {  
        "requestId": "04cdc020d953",  
        "deviceDescriptor": {  
          "serialNumber": "04cdc020d953",  
          "certificationId": [  
            {  
              "id": "2AHBN-AP47",  
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
            }  
          ]  
        },  
        "location": {  
          "elevation": {  
            "height": 9.520000076293945,  
            "heightType": "AGL",
```

```
        "verticalUncertainty": 0
      },
      "ellipse": {
        "center": {
          "longitude": 121.01976013183594,
          "latitude": 24.844792938232423
        },
        "majorAxis": 3,
        "minorAxis": 1,
        "orientation": 45
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5925,
        "highFrequency": 7115
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      },
      {
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 136
      },
      {
        "globalOperatingClass": 137
      }
    ]
  }
}
```

```
    }
  ]
}
]
}
}
```

2025-09-24T13:45:17Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 17.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 17.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
          },
          "maxPsd": 15.8
        }
      ]
    }
  ]
}
```

```
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 10.7
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 21.4
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 12.9
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 8.9
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 21.6
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6285,
        "lowFrequency": 6265
    },
    "maxPsd": 10.7
},
{
    "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
    },
    "maxPsd": 19.3
},
{
    "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
    },
    "maxPsd": 14.3
},
{
    "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
    },
    "maxPsd": 11.7
},
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 20.6
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
```

```
    },
    "maxPsd": 16.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 11.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 14.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 10.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 9.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 9.0
  }
```



```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6825,  
        "lowFrequency": 6805  
      },  
      "maxPsd": 20.7  
    }  
  ],  
  "availableChannelInfo": [  
    {  
      "channelCfi": [  
        33,  
        37,  
        41,  
        45,  
        49,  
        53,  
        57,  
        61,  
        65,  
        69,  
        73,  
        77,  
        145,  
        149,  
        153,  
        157,  
        161,  
        165,  
        169,  
        173  
      ],  
      "globalOperatingClass": 131,  
      "maxEirp": [  
        30.1,  
        30.0,
```

```
28.8,  
23.7,  
34.4,  
25.9,  
21.9,  
34.6,  
23.7,  
32.3,  
27.3,  
24.7,  
33.6,  
29.9,  
24.3,  
27.1,  
23.5,  
22.4,  
22.0,  
33.7  
]  
,  
{  
  "channelCfi": [  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    147,  
    155,  
    163,  
    171  
  ],  
  "globalOperatingClass": 132,  
  "maxEirp": [  
    33.0,  
    26.7,
```

```
        28.9,
        24.9,
        26.7,
        27.7,
        32.9,
        27.3,
        25.4,
        25.0
    ]
},
{
    "channelCfi": [
        39,
        55,
        71,
        151,
        167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        29.7,
        27.9,
        29.7,
        30.3,
        28.0
    ]
},
{
    "channelCfi": [
        47
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        30.9
    ]
},
{
```

```
        "channelCfi": [],
        "globalOperatingClass": 137,
        "maxEirp": []
    }
],
"requestId": "04cdc020d953",
"availabilityExpireTime": "2025-09-25T13:45:17Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```



CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_40MHz_10626_1

2025-09-24T13:50:33Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "728",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc020d953",
        "deviceDescriptor": {
          "serialNumber": "04cdc020d953",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 9.520000076293945,
        "heightType": "AGL",
        "verticalUncertainty": 0
      },
      "ellipse": {
        "center": {
```

```
        "longitude": 121.01976013183594,
        "latitude": 24.844792938232423
    },
    "majorAxis": 3,
    "minorAxis": 1,
    "orientation": 45
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
]
```

```
}  
}
```

```
##### 2025-09-24T13:50:33Z #####
```

```
{  
  "availableSpectrumInquiryResponses": [  
    {  
      "response": {  
        "responseCode": 0,  
        "shortDescription": "SUCCESS"  
      },  
      "availableFrequencyInfo": [  
        {  
          "frequencyRange": {  
            "highFrequency": 6045,  
            "lowFrequency": 6025  
          },  
          "maxPsd": 20.1  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6065,  
            "lowFrequency": 6045  
          },  
          "maxPsd": 9.6  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6085,  
            "lowFrequency": 6065  
          },  
          "maxPsd": 13.9  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6105,  
            "lowFrequency": 6085
```

```
    },
    "maxPsd": 16.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 21.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 13.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 11.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 21.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 17.7
  }
```



```
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 11.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 16.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 19.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 10.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 10.0
    },
    {

```

```
"frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
},
"maxPsd": 12.5
},
{
    "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
    },
    "maxPsd": 12.2
}
],
"availableChannelInfo": [
    {
        "channelCfi": [
            17,
            21,
            25,
            29,
            33,
            37,
            41,
            45,
            65,
            69,
            73,
            77,
            129,
            133,
            137,
            141
        ],
        "globalOperatingClass": 131,
        "maxEirp": [
            33.1,
```

```
22.6,
26.9,
29.9,
34.1,
26.5,
24.1,
34.0,
30.7,
24.6,
29.6,
32.6,
23.8,
23.0,
25.5,
25.2
]
},
{
  "channelCfi": [
    19,
    27,
    35,
    43,
    67,
    75,
    131,
    139
  ],
  "globalOperatingClass": 132,
  "maxEirp": [
    25.6,
    29.9,
    29.5,
    27.1,
    27.6,
    32.6,
    26.0,
```

```
        28.2
      ]
    },
    {
      "channelCfi": [
        23,
        39,
        71,
        135
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        28.6,
        30.1,
        30.6,
        29.0
      ]
    },
    {
      "channelCfi": [],
      "globalOperatingClass": 134,
      "maxEirp": []
    },
    {
      "channelCfi": [],
      "globalOperatingClass": 137,
      "maxEirp": []
    }
  ],
  "requestId": "04cdc020d953",
  "availabilityExpireTime": "2025-09-25T13:50:33Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-09-24T13:50:51Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "728",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc020d953",
        "deviceDescriptor": {
          "serialNumber": "04cdc020d953",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 9.520000076293945,
        "heightType": "AGL",
        "verticalUncertainty": 0
      },
      "ellipse": {
        "center": {
          "longitude": 121.01976013183594,
```

```
        "latitude": 24.844792938232423
      },
      "majorAxis": 3,
      "minorAxis": 1,
      "orientation": 45
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 7115
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    },
    {
      "globalOperatingClass": 132
    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    },
    {
      "globalOperatingClass": 136
    },
    {
      "globalOperatingClass": 137
    }
  ]
}
]
```



```
}

##### 2025-09-24T13:50:51Z #####

{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 20.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 9.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 13.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },

```

```
"maxPsd": 16.9
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 21.1
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 13.5
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 11.1
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 21.0
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 17.7
},
},
```



```
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 11.6
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 16.6
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 19.6
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 10.8
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 10.0
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6645,
        "lowFrequency": 6625
    },
    "maxPsd": 12.5
},
{
    "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
    },
    "maxPsd": 12.2
}
],
"availableChannelInfo": [
    {
        "channelCfi": [
            17,
            21,
            25,
            29,
            33,
            37,
            41,
            45,
            65,
            69,
            73,
            77,
            129,
            133,
            137,
            141
        ],
        "globalOperatingClass": 131,
        "maxEirp": [
            33.1,
            22.6,
```

```
        26.9,
        29.9,
        34.1,
        26.5,
        24.1,
        34.0,
        30.7,
        24.6,
        29.6,
        32.6,
        23.8,
        23.0,
        25.5,
        25.2
    ]
},
{
    "channelCfi": [
        19,
        27,
        35,
        43,
        67,
        75,
        131,
        139
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        25.6,
        29.9,
        29.5,
        27.1,
        27.6,
        32.6,
        26.0,
        28.2
    ]
}
```

```
    ]
  },
  {
    "channelCfi": [
      23,
      39,
      71,
      135
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
      28.6,
      30.1,
      30.6,
      29.0
    ]
  }
],
{
  "channelCfi": [],
  "globalOperatingClass": 134,
  "maxEirp": []
},
{
  "channelCfi": [],
  "globalOperatingClass": 137,
  "maxEirp": []
}
],
"requestId": "04cdc020d953",
"availabilityExpireTime": "2025-09-25T13:50:51Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-09-24T13:54:01Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "728",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc020d953",
        "deviceDescriptor": {
          "serialNumber": "04cdc020d953",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 9.520000076293945,
        "heightType": "AGL",
        "verticalUncertainty": 0
      },
      "ellipse": {
        "center": {
          "longitude": 121.01976013183594,
          "latitude": 24.844792938232423
        }
      }
    }
  }
}
```

```
        },
        "majorAxis": 3,
        "minorAxis": 1,
        "orientation": 45
    },
    "indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
]
}
}
```

2025-09-24T13:54:01Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 16.0
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 20.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 18.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 18.6
        }
      ]
    }
  ]
}
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 11.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 13.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 13.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 9.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 18.0
    },
    {
      {
```



```
"frequencyRange": {
  "highFrequency": 6385,
  "lowFrequency": 6365
},
"maxPsd": 19.9
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 19.6
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 21.9
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 21.8
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 17.2
},
{
  "frequencyRange": {
    "highFrequency": 6725,
```

```
        "lowFrequency": 6705
      },
      "maxPsd": 9.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 19.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 13.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 9.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 21.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
    },
```

```
"maxPsd": 18.7
}
],
"availableChannelInfo": [
{
  "channelCfi": [
    1,
    5,
    9,
    13,
    49,
    53,
    57,
    61,
    81,
    85,
    89,
    93,
    145,
    149,
    153,
    157,
    161,
    165,
    169,
    173
  ],
  "globalOperatingClass": 131,
  "maxEirp": [
    29.0,
    33.8,
    31.5,
    31.6,
    24.7,
    26.7,
    26.3,
    22.3,
```

```
        31.0,  
        32.9,  
        32.6,  
        34.9,  
        34.8,  
        30.2,  
        22.6,  
        32.6,  
        26.0,  
        22.7,  
        34.5,  
        31.7  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        51,  
        59,  
        83,  
        91,  
        147,  
        155,  
        163,  
        171  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        32.0,  
        34.5,  
        27.7,  
        25.3,  
        34.0,  
        35.6,  
        33.2,  
        25.6,
```

```
        25.7,
        34.7
    ]
},
{
    "channelCfi": [
        7,
        55,
        87,
        151,
        167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        35.0,
        28.3,
        36.0,
        28.6,
        28.7
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 134,
    "maxEirp": []
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "04cdc020d953",
"availabilityExpireTime": "2025-09-25T13:54:01Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
```

```
"version": "1.4"
}

##### 2025-09-24T13:54:26Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "728",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc020d953",
        "deviceDescriptor": {
          "serialNumber": "04cdc020d953",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      ]
    },
    "location": {
      "elevation": {
        "height": 9.520000076293945,
        "heightType": "AGL",
        "verticalUncertainty": 0
      },
    },
  }
}
```

```
"ellipse": {
  "center": {
    "longitude": 121.01976013183594,
    "latitude": 24.844792938232423
  },
  "majorAxis": 3,
  "minorAxis": 1,
  "orientation": 45
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5925,
    "highFrequency": 7115
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
    "globalOperatingClass": 134
  },
  {
    "globalOperatingClass": 136
  },
  {
    "globalOperatingClass": 137
  }
]
```

```
}  
]  
}  
}
```

2025-09-24T13:54:26Z

```
{  
  "availableSpectrumInquiryResponses": [  
    {  
      "response": {  
        "responseCode": 0,  
        "shortDescription": "SUCCESS"  
      },  
      "availableFrequencyInfo": [  
        {  
          "frequencyRange": {  
            "highFrequency": 5965,  
            "lowFrequency": 5945  
          },  
          "maxPsd": 16.0  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 5985,  
            "lowFrequency": 5965  
          },  
          "maxPsd": 20.8  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6005,  
            "lowFrequency": 5985  
          },  
          "maxPsd": 18.5  
        },  
        {  
          "frequencyRange": {
```



```
        "highFrequency": 6025,
        "lowFrequency": 6005
    },
    "maxPsd": 18.6
},
{
    "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
    },
    "maxPsd": 11.7
},
{
    "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
    },
    "maxPsd": 13.7
},
{
    "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
    },
    "maxPsd": 13.3
},
{
    "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
    },
    "maxPsd": 9.3
},
{
    "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
```

```
    },
    "maxPsd": 18.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 19.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 19.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 21.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 21.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 17.2
  }
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 9.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 19.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 13.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 9.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 21.5
    },
    {
      {
```

```
"frequencyRange": {
  "highFrequency": 6825,
  "lowFrequency": 6805
},
"maxPsd": 18.7
},
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      49,
      53,
      57,
      61,
      81,
      85,
      89,
      93,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      29.0,
      33.8,
      31.5,
      31.6,
```

```
        24.7,  
        26.7,  
        26.3,  
        22.3,  
        31.0,  
        32.9,  
        32.6,  
        34.9,  
        34.8,  
        30.2,  
        22.6,  
        32.6,  
        26.0,  
        22.7,  
        34.5,  
        31.7  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        51,  
        59,  
        83,  
        91,  
        147,  
        155,  
        163,  
        171  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        32.0,  
        34.5,  
        27.7,  
        25.3,
```

```
        34.0,
        35.6,
        33.2,
        25.6,
        25.7,
        34.7
    ]
},
{
    "channelCfi": [
        7,
        55,
        87,
        151,
        167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        35.0,
        28.3,
        36.0,
        28.6,
        28.7
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 134,
    "maxEirp": []
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "04cdc020d953",
```



DUT Spectrum Inquiry Request/Response Logs_EUT 3_Radio 1 Appendix B.5

```
"availabilityExpireTime": "2025-09-25T13:54:26Z",  
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
  "version": "1.4"  
}
```



CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_80MHz_10627_1

2025-09-24T13:58:03Z

{

"headers": {

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

"User-Agent": "Go-http-client/1.1",

"Accept": "*/*",

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

"Accept-Encoding": "gzip",

"X-Forwarded-For": "54.215.237.20",

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

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

"Content-Length": "728",

"Connection": "Keep-Alive"

},

"body": {

"version": "1.4",

"availableSpectrumInquiryRequests": [

{

"requestId": "04cdc020d953",

"deviceDescriptor": {

"serialNumber": "04cdc020d953",

"certificationId": [

{

"id": "2AHBN-AP47",

"rulesetId": "US_47_CFR_PART_15_SUBPART_E"

}

]

},

"location": {

"elevation": {

"height": 9.520000076293945,

"heightType": "AGL",

"verticalUncertainty": 0

},

"ellipse": {

"center": {


```
        "longitude": 121.01976013183594,
        "latitude": 24.844792938232423
      },
      "majorAxis": 3,
      "minorAxis": 1,
      "orientation": 45
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 7115
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    },
    {
      "globalOperatingClass": 132
    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    },
    {
      "globalOperatingClass": 136
    },
    {
      "globalOperatingClass": 137
    }
  ]
}
```

```
}  
}
```

```
##### 2025-09-24T13:58:03Z #####
```

```
{  
  "availableSpectrumInquiryResponses": [  
    {  
      "response": {  
        "responseCode": 0,  
        "shortDescription": "SUCCESS"  
      },  
      "availableFrequencyInfo": [  
        {  
          "frequencyRange": {  
            "highFrequency": 5965,  
            "lowFrequency": 5945  
          },  
          "maxPsd": 18.4  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 5985,  
            "lowFrequency": 5965  
          },  
          "maxPsd": 20.4  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6005,  
            "lowFrequency": 5985  
          },  
          "maxPsd": 20.9  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6025,  
            "lowFrequency": 6005
```

```
    },
    "maxPsd": 17.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 9.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 14.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 19.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 11.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 12.0
  }
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 14.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 20.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 9.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 10.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 20.4
    },
    {

```

```
"frequencyRange": {
  "highFrequency": 6805,
  "lowFrequency": 6785
},
"maxPsd": 17.6
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 15.4
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      65,
      69,
      73,
      77,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      31.4,
```

```
        33.4,  
        33.9,  
        30.7,  
        22.2,  
        27.2,  
        32.8,  
        24.0,  
        25.0,  
        27.1,  
        33.3,  
        22.5,  
        23.7,  
        33.4,  
        30.6,  
        28.4  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        67,  
        75,  
        147,  
        155,  
        163,  
        171  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        34.4,  
        33.7,  
        25.2,  
        27.0,  
        28.0,  
        25.5,  
        26.7,
```

```
        31.4
      ]
    },
    {
      "channelCfi": [
        7,
        71,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        36.0,
        28.2,
        28.5,
        29.7
      ]
    },
    {
      "channelCfi": [],
      "globalOperatingClass": 134,
      "maxEirp": []
    },
    {
      "channelCfi": [],
      "globalOperatingClass": 137,
      "maxEirp": []
    }
  ],
  "requestId": "04cdc020d953",
  "availabilityExpireTime": "2025-09-25T13:58:03Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-09-24T13:58:19Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "728",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc020d953",
        "deviceDescriptor": {
          "serialNumber": "04cdc020d953",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 9.520000076293945,
        "heightType": "AGL",
        "verticalUncertainty": 0
      },
      "ellipse": {
        "center": {
          "longitude": 121.01976013183594,
```



```
        "latitude": 24.844792938232423
      },
      "majorAxis": 3,
      "minorAxis": 1,
      "orientation": 45
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 7115
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    },
    {
      "globalOperatingClass": 132
    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    },
    {
      "globalOperatingClass": 136
    },
    {
      "globalOperatingClass": 137
    }
  ]
}
]
```



```
}

##### 2025-09-24T13:58:19Z #####

{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 18.4
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 20.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 20.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },

```

```
"maxPsd": 17.7
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 9.2
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 14.2
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 19.8
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 11.0
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 12.0
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 14.1
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 20.3
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 9.5
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 10.7
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 20.4
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6805,
        "lowFrequency": 6785
    },
    "maxPsd": 17.6
},
{
    "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
    },
    "maxPsd": 15.4
}
],
"availableChannelInfo": [
    {
        "channelCfi": [
            1,
            5,
            9,
            13,
            65,
            69,
            73,
            77,
            145,
            149,
            153,
            157,
            161,
            165,
            169,
            173
        ],
        "globalOperatingClass": 131,
        "maxEirp": [
            31.4,
            33.4,
```

```
        33.9,  
        30.7,  
        22.2,  
        27.2,  
        32.8,  
        24.0,  
        25.0,  
        27.1,  
        33.3,  
        22.5,  
        23.7,  
        33.4,  
        30.6,  
        28.4  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        67,  
        75,  
        147,  
        155,  
        163,  
        171  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        34.4,  
        33.7,  
        25.2,  
        27.0,  
        28.0,  
        25.5,  
        26.7,  
        31.4
```

```
    ]
  },
  {
    "channelCfi": [
      7,
      71,
      151,
      167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
      36.0,
      28.2,
      28.5,
      29.7
    ]
  },
  {
    "channelCfi": [],
    "globalOperatingClass": 134,
    "maxEirp": []
  },
  {
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
  }
],
"requestId": "04cdc020d953",
"availabilityExpireTime": "2025-09-25T13:58:19Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-09-24T14:00:51Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "728",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc020d953",
        "deviceDescriptor": {
          "serialNumber": "04cdc020d953",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 9.520000076293945,
        "heightType": "AGL",
        "verticalUncertainty": 0
      },
      "ellipse": {
        "center": {
          "longitude": 121.01976013183594,
          "latitude": 24.844792938232423
        }
      }
    }
  }
}
```



```
        },
        "majorAxis": 3,
        "minorAxis": 1,
        "orientation": 45
    },
    "indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
]
}
}
```

2025-09-24T14:00:51Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 17.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 8.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 12.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },
          "maxPsd": 15.9
        }
      ]
    }
  ]
}
```

```

},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 8.9
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 21.2
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 18.6
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 10.0
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 15.3
},
{

```

```
"frequencyRange": {
  "highFrequency": 6225,
  "lowFrequency": 6205
},
"maxPsd": 11.8
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 18.2
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 9.5
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 8.0
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 20.2
},
{
  "frequencyRange": {
    "highFrequency": 6405,
```

```
        "lowFrequency": 6385
      },
      "maxPsd": 12.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 10.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 20.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 13.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 9.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
    },
```

```
"maxPsd": 8.1
}
],
"availableChannelInfo": [
{
  "channelCfi": [
    17,
    21,
    25,
    29,
    33,
    37,
    41,
    45,
    49,
    53,
    57,
    61,
    81,
    85,
    89,
    93,
    129,
    133,
    137,
    141
  ],
  "globalOperatingClass": 131,
  "maxEirp": [
    30.6,
    21.5,
    25.1,
    28.9,
    21.9,
    34.2,
    31.6,
    23.0,
```

```
        28.3,
        24.8,
        31.2,
        22.5,
        21.0,
        33.2,
        25.4,
        23.0,
        33.0,
        26.5,
        22.6,
        21.1
    ]
},
{
    "channelCfi": [
        19,
        27,
        35,
        43,
        51,
        59,
        83,
        91,
        131,
        139
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        24.5,
        28.1,
        24.9,
        26.0,
        27.8,
        25.5,
        24.0,
        26.0,
```

```
        29.5,
        24.1
    ]
},
{
    "channelCfi": [
        23,
        39,
        55,
        87,
        135
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        27.5,
        27.9,
        28.5,
        27.0,
        27.1
    ]
},
{
    "channelCfi": [
        47
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        30.9
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
    "maxEirp": []
}
],
"requestId": "04cdc020d953",
```




DUT Spectrum Inquiry Request/Response Logs_EUT 3_Radio 1 Appendix B.5

```
"availabilityExpireTime": "2025-09-25T14:00:51Z",  
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
  "version": "1.4"  
}
```



CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1

2025-09-24T14:05:17Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "728",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc020d953",
        "deviceDescriptor": {
          "serialNumber": "04cdc020d953",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 9.520000076293945,
        "heightType": "AGL",
        "verticalUncertainty": 0
      },
      "ellipse": {
        "center": {
```

```
        "longitude": 121.01976013183594,
        "latitude": 24.844792938232423
      },
      "majorAxis": 3,
      "minorAxis": 1,
      "orientation": 45
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 7115
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    },
    {
      "globalOperatingClass": 132
    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    },
    {
      "globalOperatingClass": 136
    },
    {
      "globalOperatingClass": 137
    }
  ]
}
```

```
}  
}
```

```
##### 2025-09-24T14:05:17Z #####
```

```
{  
  "availableSpectrumInquiryResponses": [  
    {  
      "response": {  
        "responseCode": 0,  
        "shortDescription": "SUCCESS"  
      },  
      "availableFrequencyInfo": [  
        {  
          "frequencyRange": {  
            "highFrequency": 5965,  
            "lowFrequency": 5945  
          },  
          "maxPsd": 20.6  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 5985,  
            "lowFrequency": 5965  
          },  
          "maxPsd": 10.7  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6005,  
            "lowFrequency": 5985  
          },  
          "maxPsd": 9.3  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6025,  
            "lowFrequency": 6005
```

```
    },
    "maxPsd": 19.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 17.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 11.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 19.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 18.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 13.3
  }
```

```

},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 9.0
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 19.0
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 22.0
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 17.6
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 15.9
},
{

```

```
"frequencyRange": {
  "highFrequency": 6725,
  "lowFrequency": 6705
},
"maxPsd": 12.8
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 18.7
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      33.6,
```

```
        23.7,  
        22.3,  
        32.1,  
        30.2,  
        24.8,  
        32.3,  
        31.6,  
        26.3,  
        22.0,  
        32.0,  
        35.0,  
        30.6,  
        28.9,  
        25.8,  
        31.7  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        19,  
        27,  
        131,  
        139,  
        147,  
        155  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        26.7,  
        25.3,  
        27.8,  
        34.6,  
        25.0,  
        35.0,  
        31.9,
```



```
        28.8
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        135,
        151
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        28.3,
        30.8,
        28.0,
        31.8
      ]
    },
    {
      "channelCfi": [
        15,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        31.3,
        31.0
      ]
    },
    {
      "channelCfi": [],
      "globalOperatingClass": 137,
      "maxEirp": []
    }
  ],
  "requestId": "04cdc020d953",
  "availabilityExpireTime": "2025-09-25T14:05:17Z",
```

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

2025-09-24T14:05:31Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "728",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc020d953",
        "deviceDescriptor": {
          "serialNumber": "04cdc020d953",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        },
        "location": {
          "elevation": {
            "height": 9.520000076293945,
```

```
        "heightType": "AGL",
        "verticalUncertainty": 0
    },
    "ellipse": {
        "center": {
            "longitude": 121.01976013183594,
            "latitude": 24.844792938232423
        },
        "majorAxis": 3,
        "minorAxis": 1,
        "orientation": 45
    },
    "indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
```

```
        "globalOperatingClass": 137
      }
    ]
  }
]
}
}
```

2025-09-24T14:05:31Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 20.6
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 10.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 9.3
        }
      ]
    }
  ]
}
```

```

},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 19.1
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 17.2
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 11.8
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 19.3
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 18.6
},
{

```

```
"frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
},
"maxPsd": 13.3
},
{
    "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
    },
    "maxPsd": 9.0
},
{
    "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
    },
    "maxPsd": 19.0
},
{
    "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
    },
    "maxPsd": 22.0
},
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 17.6
},
{
    "frequencyRange": {
        "highFrequency": 6705,
```

```
        "lowFrequency": 6685
      },
      "maxPsd": 15.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 12.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 18.7
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
```

```
157
],
"globalOperatingClass": 131,
"maxEirp": [
  33.6,
  23.7,
  22.3,
  32.1,
  30.2,
  24.8,
  32.3,
  31.6,
  26.3,
  22.0,
  32.0,
  35.0,
  30.6,
  28.9,
  25.8,
  31.7
]
},
{
  "channelCfi": [
    3,
    11,
    19,
    27,
    131,
    139,
    147,
    155
  ],
  "globalOperatingClass": 132,
  "maxEirp": [
    26.7,
    25.3,
```



```
        27.8,
        34.6,
        25.0,
        35.0,
        31.9,
        28.8
    ]
},
{
    "channelCfi": [
        7,
        23,
        135,
        151
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        28.3,
        30.8,
        28.0,
        31.8
    ]
},
{
    "channelCfi": [
        15,
        143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        31.3,
        31.0
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 137,
```

```
        "maxEirp": []
      }
    ],
    "requestId": "04cdc020d953",
    "availabilityExpireTime": "2025-09-25T14:05:31Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}
```

2025-09-24T14:09:02Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "728",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc020d953",
        "deviceDescriptor": {
          "serialNumber": "04cdc020d953",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ]
  }
}
```

```
    ]
  },
  "location": {
    "elevation": {
      "height": 9.520000076293945,
      "heightType": "AGL",
      "verticalUncertainty": 0
    },
    "ellipse": {
      "center": {
        "longitude": 121.01976013183594,
        "latitude": 24.844792938232423
      },
      "majorAxis": 3,
      "minorAxis": 1,
      "orientation": 45
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 7115
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    },
    {
      "globalOperatingClass": 132
    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    }
  ]
}
```

```
        },
        {
            "globalOperatingClass": 136
        },
        {
            "globalOperatingClass": 137
        }
    ]
}
]
```

2025-09-24T14:09:02Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 9.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 17.2
        }
      ]
    }
  ]
}
```

```
"frequencyRange": {
  "highFrequency": 6165,
  "lowFrequency": 6145
},
"maxPsd": 20.6
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 10.7
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 14.3
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 12.2
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 20.6
},
{
  "frequencyRange": {
    "highFrequency": 6265,
```

```
        "lowFrequency": 6245
      },
      "maxPsd": 10.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
      "maxPsd": 8.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 14.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 19.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 10.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
    },
```

```
"maxPsd": 13.0
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 16.2
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 9.7
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 11.2
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
```

```
        73,  
        77,  
        81,  
        85,  
        89,  
        93  
    ],  
    "globalOperatingClass": 131,  
    "maxEirp": [  
        22.5,  
        30.2,  
        33.6,  
        23.7,  
        27.3,  
        25.2,  
        33.6,  
        23.5,  
        21.9,  
        27.3,  
        32.1,  
        23.2,  
        26.0,  
        29.2,  
        22.7,  
        24.2  
    ]  
},  
{  
    "channelCfi": [  
        35,  
        43,  
        51,  
        59,  
        67,  
        75,  
        83,  
        91
```



```
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        25.5,  
        26.7,  
        28.2,  
        26.5,  
        24.9,  
        26.2,  
        29.0,  
        25.7  
    ]  
},  
{  
    "channelCfi": [  
        39,  
        55,  
        71,  
        87  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
        28.5,  
        29.5,  
        27.9,  
        28.7  
    ]  
},  
{  
    "channelCfi": [  
        47,  
        79  
    ],  
    "globalOperatingClass": 134,  
    "maxEirp": [  
        31.5,  
        30.9
```

```
    ]
  },
  {
    "channelCfi": [
      63
    ],
    "globalOperatingClass": 137,
    "maxEirp": [
      34.0
    ]
  }
],
"requestId": "04cdc020d953",
"availabilityExpireTime": "2025-09-25T14:09:02Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```



CT_AFC_SP_AP_AFCDUSA32_FrequencyChannel_10629_1

2025-09-24T14:13:51Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "728",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc020d953",
        "deviceDescriptor": {
          "serialNumber": "04cdc020d953",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 9.520000076293945,
        "heightType": "AGL",
        "verticalUncertainty": 0
      },
      "ellipse": {
        "center": {
```

```
        "longitude": 121.01976013183594,
        "latitude": 24.844792938232423
      },
      "majorAxis": 3,
      "minorAxis": 1,
      "orientation": 45
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 7115
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    },
    {
      "globalOperatingClass": 132
    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    },
    {
      "globalOperatingClass": 136
    },
    {
      "globalOperatingClass": 137
    }
  ]
}
```

```
}
}

##### 2025-09-24T14:13:51Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "availableChannelInfo": [],
      "requestId": "04cdc020d953",
      "availabilityExpireTime": "2025-09-25T14:13:51Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

##### 2025-09-24T14:14:03Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "728",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
```

```
"availableSpectrumInquiryRequests": [
  {
    "requestId": "04cdc020d953",
    "deviceDescriptor": {
      "serialNumber": "04cdc020d953",
      "certificationId": [
        {
          "id": "2AHBN-AP47",
          "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
      ]
    },
    "location": {
      "elevation": {
        "height": 9.520000076293945,
        "heightType": "AGL",
        "verticalUncertainty": 0
      },
      "ellipse": {
        "center": {
          "longitude": 121.01976013183594,
          "latitude": 24.844792938232423
        },
        "majorAxis": 3,
        "minorAxis": 1,
        "orientation": 45
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5925,
        "highFrequency": 7115
      }
    ],
    "inquiredChannels": [
      {
```

```
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      },
      {
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 136
      },
      {
        "globalOperatingClass": 137
      }
    ]
  }
}
```

2025-09-24T14:14:03Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "availableChannelInfo": [],
      "requestId": "04cdc020d953",
      "availabilityExpireTime": "2025-09-25T14:14:03Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ]
}
```



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


CT_AFC_SP_AP_AFCDSAU33_FrequencyChannel_10630_1

2025-09-24T14:15:07Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "/*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "728",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc020d953",
        "deviceDescriptor": {
          "serialNumber": "04cdc020d953",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 9.520000076293945,
        "heightType": "AGL",
        "verticalUncertainty": 0
      },
      "ellipse": {
        "center": {
```

```
        "longitude": 121.01976013183594,
        "latitude": 24.844792938232423
      },
      "majorAxis": 3,
      "minorAxis": 1,
      "orientation": 45
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5925,
      "highFrequency": 7115
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    },
    {
      "globalOperatingClass": 132
    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    },
    {
      "globalOperatingClass": 136
    },
    {
      "globalOperatingClass": 137
    }
  ]
}
```

```
}  
}
```

```
##### 2025-09-24T14:15:07Z #####
```

```
{  
  "availableSpectrumInquiryResponses": [  
    {  
      "response": {  
        "responseCode": 0,  
        "shortDescription": "SUCCESS"  
      },  
      "availableFrequencyInfo": [  
        {  
          "frequencyRange": {  
            "highFrequency": 6045,  
            "lowFrequency": 6025  
          },  
          "maxPsd": 16.4  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6065,  
            "lowFrequency": 6045  
          },  
          "maxPsd": 8.7  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6085,  
            "lowFrequency": 6065  
          },  
          "maxPsd": 19.8  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6105,  
            "lowFrequency": 6085
```

```
    },
    "maxPsd": 14.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 11.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 9.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 14.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 19.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 14.2
  }
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 20.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 19.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 12.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 19.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 16.4
    },
    {

```

```
"frequencyRange": {
  "highFrequency": 6805,
  "lowFrequency": 6785
},
"maxPsd": 13.9
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 20.3
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      17,
      21,
      25,
      29,
      49,
      53,
      57,
      61,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      29.4,
```

```
        21.7,  
        32.8,  
        27.0,  
        24.7,  
        22.7,  
        27.9,  
        32.1,  
        27.2,  
        33.7,  
        32.8,  
        25.8,  
        32.2,  
        29.4,  
        26.9,  
        33.3  
    ]  
},  
{  
    "channelCfi": [  
        19,  
        27,  
        51,  
        59,  
        147,  
        155,  
        163,  
        171  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        24.7,  
        30.0,  
        25.7,  
        30.9,  
        30.2,  
        28.8,  
        32.4,
```

```
        29.9
      ]
    },
    {
      "channelCfi": [
        23,
        55,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        27.7,
        28.7,
        31.8,
        32.9
      ]
    },
    {
      "channelCfi": [],
      "globalOperatingClass": 134,
      "maxEirp": []
    },
    {
      "channelCfi": [],
      "globalOperatingClass": 137,
      "maxEirp": []
    }
  ],
  "requestId": "04cdc020d953",
  "availabilityExpireTime": "2025-09-25T14:15:07Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```


CT_AFC_SP_AP_AFCDUAU34_FrequencyChannel_10631_1

2025-09-24T14:22:40Z

{

"headers": {

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

"User-Agent": "Go-http-client/1.1",

"Accept": "*/*",

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

"Accept-Encoding": "gzip",

"X-Forwarded-For": "54.215.237.20",

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

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

"Content-Length": "728",

"Connection": "Keep-Alive"

},

"body": {

"version": "1.4",

"availableSpectrumInquiryRequests": [

{

"requestId": "04cdc020d953",

"deviceDescriptor": {

"serialNumber": "04cdc020d953",

"certificationId": [

{

"id": "2AHBN-AP47",

"rulesetId": "US_47_CFR_PART_15_SUBPART_E"

}

]

},

"location": {

"elevation": {

"height": 3.0000001192092896,

"heightType": "AGL",

"verticalUncertainty": 6

},

"ellipse": {

"center": {

```
        "longitude": 121.01974105834961,
        "latitude": 24.84480857849121
    },
    "majorAxis": 2,
    "minorAxis": 0,
    "orientation": 45
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
]
```

```
}  
}
```

```
##### 2025-09-24T14:22:40Z #####
```

```
{  
  "availableSpectrumInquiryResponses": [  
    {  
      "response": {  
        "responseCode": 0,  
        "shortDescription": "SUCCESS"  
      },  
      "availableFrequencyInfo": [  
        {  
          "frequencyRange": {  
            "highFrequency": 5945,  
            "lowFrequency": 5925  
          },  
          "maxPsd": 23  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 5965,  
            "lowFrequency": 5945  
          },  
          "maxPsd": 23  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 5985,  
            "lowFrequency": 5965  
          },  
          "maxPsd": 23  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6005,  
            "lowFrequency": 5985
```

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

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

```
"frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
},
"maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6345,
```

```
        "lowFrequency": 6325
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6545,
        "lowFrequency": 6525
      },

```

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



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

```
        "highFrequency": 6765,
        "lowFrequency": 6745
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
```

```
    },  
    "maxPsd": 23  
  }  
],  
"availableChannelInfo": [  
  {  
    "channelCfi": [  
      1,  
      5,  
      9,  
      13,  
      17,  
      21,  
      25,  
      29,  
      33,  
      37,  
      41,  
      45,  
      49,  
      53,  
      57,  
      61,  
      65,  
      69,  
      73,  
      77,  
      81,  
      85,  
      89,  
      93,  
      117,  
      121,  
      125,  
      129,  
      133,  
      137,
```



Sporton International Inc. Hsinchu Laboratory

```
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        19,  
        27,  
        35,  
        43,  
        51,  
        59,  
        67,  
        75,  
        83,  
        91,  
        123,  
        131,  
        139,
```



Sporton International Inc. Hsinchu Laboratory

```
        87,
        135,
        151,
        167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0
    ]
},
{
    "channelCfi": [
        15,
        47,
        79,
        143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        36.0,
        36.0,
        36.0,
        36.0
    ]
},
{
    "channelCfi": [
        2
    ],

```

```
        "globalOperatingClass": 136,
        "maxEirp": [
            36.0
        ]
    },
    ],
    "requestId": "04cdc020d953",
    "availabilityExpireTime": "2025-09-25T14:22:40Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-09-24T14:23:09Z

```
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "Go-http-client/1.1",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "Accept-Encoding": "gzip",
        "X-Forwarded-For": "54.215.237.20",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "728",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "04cdc020d953",
                "deviceDescriptor": {
                    "serialNumber": "04cdc020d953",
                    "certificationId": [
                        {

```



```
        "id": "2AHBN-AP47",
        "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
]
},
"location": {
    "elevation": {
        "height": 3.0000001192092896,
        "heightType": "AGL",
        "verticalUncertainty": 6
    },
    "ellipse": {
        "center": {
            "longitude": 121.01974105834961,
            "latitude": 24.84480857849121
        },
        "majorAxis": 2,
        "minorAxis": 0,
        "orientation": 45
    },
    "indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    }
]
```

```
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
]
```

2025-09-24T14:23:09Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5945,
            "lowFrequency": 5925
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          }
        }
      ]
    }
  ]
}
```

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

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

```
        "highFrequency": 6185,
        "lowFrequency": 6165
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
```

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

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6425,  
        "lowFrequency": 6405  
      },  
      "maxPsd": 23  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6545,  
        "lowFrequency": 6525  
      },  
      "maxPsd": 23  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6565,  
        "lowFrequency": 6545  
      },  
      "maxPsd": 23  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6585,  
        "lowFrequency": 6565  
      },  
      "maxPsd": 23  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6605,  
        "lowFrequency": 6585  
      },  
      "maxPsd": 23  
    },  
    {
```

```
"frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
},
"maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6725,
```



```
        "lowFrequency": 6705
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
    },
```

```
        "maxPsd": 23
      },
      {
        "frequencyRange": {
          "highFrequency": 6845,
          "lowFrequency": 6825
        },
        "maxPsd": 23
      },
      {
        "frequencyRange": {
          "highFrequency": 6865,
          "lowFrequency": 6845
        },
        "maxPsd": 23
      }
    ],
    "availableChannelInfo": [
      {
        "channelCfi": [
          1,
          5,
          9,
          13,
          17,
          21,
          25,
          29,
          33,
          37,
          41,
          45,
          49,
          53,
          57,
          61,
          65,
```

69,
73,
77,
81,
85,
89,
93,
117,
121,
125,
129,
133,
137,
141,
145,
149,
153,
157,
161,
165,
169,
173,
177,
181
],
"globalOperatingClass": 131,
"maxEirp": [
36.0,
36.0,
36.0,
36.0,
36.0,
36.0,
36.0,
36.0,
36.0,
36.0,
36.0,
36.0,



11,



```
],
"globalOperatingClass": 132,
```

```
        36.0,  
        36.0,  
        36.0,  
        36.0  
    ]  
},  
{  
    "channelCfi": [  
        7,  
        23,  
        39,  
        55,  
        71,  
        87,  
        135,  
        151,  
        167  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0  
    ]  
},  
{  
    "channelCfi": [  
        15,  
        47,  
        79,  
        143
```

```
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        36.0,
        36.0,
        36.0,
        36.0
    ]
},
{
    "channelCfi": [
        2
    ],
    "globalOperatingClass": 136,
    "maxEirp": [
        36.0
    ]
}
],
"requestId": "04cdc020d953",
"availabilityExpireTime": "2025-09-25T14:23:09Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

CT_AFC_SP_AP_AFCDSA31_FrequencyChannel_320MHz_10715_1

2025-09-24T14:31:40Z

{

"headers": {

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

"User-Agent": "Go-http-client/1.1",

"Accept": "*/*",

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

"Accept-Encoding": "gzip",

"X-Forwarded-For": "54.215.237.20",

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

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

"Content-Length": "729",

"Connection": "Keep-Alive"

},

"body": {

"version": "1.4",

"availableSpectrumInquiryRequests": [

{

"requestId": "04cdc020d953",

"deviceDescriptor": {

"serialNumber": "04cdc020d953",

"certificationId": [

{

"id": "2AHBN-AP47",

"rulesetId": "US_47_CFR_PART_15_SUBPART_E"

}

]

},

"location": {

"elevation": {

"height": 1.3333333532015483,

"heightType": "AGL",

"verticalUncertainty": 0

},

"ellipse": {

"center": {


```
        "longitude": 121.01973470052083,
        "latitude": 24.844821294148762
    },
    "majorAxis": 2,
    "minorAxis": 0,
    "orientation": 45
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5925,
        "highFrequency": 7115
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    },
    {
        "globalOperatingClass": 132
    },
    {
        "globalOperatingClass": 133
    },
    {
        "globalOperatingClass": 134
    },
    {
        "globalOperatingClass": 136
    },
    {
        "globalOperatingClass": 137
    }
]
}
]
```

```
}  
}
```

```
##### 2025-09-24T14:31:40Z #####
```

```
{  
  "availableSpectrumInquiryResponses": [  
    {  
      "response": {  
        "responseCode": 0,  
        "shortDescription": "SUCCESS"  
      },  
      "availableFrequencyInfo": [  
        {  
          "frequencyRange": {  
            "highFrequency": 5965,  
            "lowFrequency": 5945  
          },  
          "maxPsd": 24.0  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 5985,  
            "lowFrequency": 5965  
          },  
          "maxPsd": 14.2  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6005,  
            "lowFrequency": 5985  
          },  
          "maxPsd": 16.2  
        },  
        {  
          "frequencyRange": {  
            "highFrequency": 6025,  
            "lowFrequency": 6005
```

```
    },
    "maxPsd": 17.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 9.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 12.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 15.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 10.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 10.1
  }
```

```

},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 10.0
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 17.3
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 9.2
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 11.7
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 13.3
},
{

```

```
"frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
},
"maxPsd": 17.7
},
{
    "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
    },
    "maxPsd": 9.5
}
],
"availableChannelInfo": [
    {
        "channelCfi": [
            1,
            5,
            9,
            13,
            17,
            21,
            25,
            29,
            33,
            37,
            41,
            45,
            49,
            53,
            57,
            61
        ],
        "globalOperatingClass": 131,
        "maxEirp": [
            37.0,
```

```
27.2,  
29.2,  
30.5,  
22.9,  
25.3,  
28.5,  
23.8,  
23.1,  
23.0,  
30.3,  
22.2,  
24.7,  
26.3,  
30.7,  
22.5  
]  
,  
{  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59  
  ],  
  "globalOperatingClass": 132,  
  "maxEirp": [  
    30.2,  
    32.2,  
    25.9,  
    26.8,  
    26.0,  
    25.2,  
    27.7,
```

```
        25.5
    ]
},
{
    "channelCfi": [
        7,
        23,
        39,
        55
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        33.2,
        28.9,
        28.2,
        28.5
    ]
},
{
    "channelCfi": [
        15,
        47
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        31.9,
        31.2
    ]
},
{
    "channelCfi": [
        31
    ],
    "globalOperatingClass": 137,
    "maxEirp": [
        34.3
    ]
}
```

```
    }
  ],
  "requestId": "04cdc020d953",
  "availabilityExpireTime": "2025-09-25T14:31:40Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-09-24T14:32:19Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "54.215.237.20",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "729",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "04cdc020d953",
        "deviceDescriptor": {
          "serialNumber": "04cdc020d953",
          "certificationId": [
            {
              "id": "2AHBN-AP47",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ]
        }
      }
    ]
  }
}
```



```
},
"location": {
  "elevation": {
    "height": 1.3333333532015483,
    "heightType": "AGL",
    "verticalUncertainty": 0
  },
  "ellipse": {
    "center": {
      "longitude": 121.01973470052083,
      "latitude": 24.844821294148762
    },
    "majorAxis": 2,
    "minorAxis": 0,
    "orientation": 45
  },
  "indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5925,
    "highFrequency": 7115
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  },
  {
    "globalOperatingClass": 132
  },
  {
    "globalOperatingClass": 133
  },
  {
    "globalOperatingClass": 134
  },
]
```

```
{
  "globalOperatingClass": 136
},
{
  "globalOperatingClass": 137
}
]
}
]
}
}
```

2025-09-24T14:32:19Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 24.0
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 14.2
        },
        {
          "frequencyRange": {
```

```
        "highFrequency": 6005,
        "lowFrequency": 5985
    },
    "maxPsd": 16.2
},
{
    "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
    },
    "maxPsd": 17.5
},
{
    "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
    },
    "maxPsd": 9.9
},
{
    "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
    },
    "maxPsd": 12.3
},
{
    "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
    },
    "maxPsd": 15.5
},
{
    "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
```

```
    },
    "maxPsd": 10.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 10.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 10.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 17.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 9.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 11.7
  }
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 13.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 17.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 9.5
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
```

```
        45,
        49,
        53,
        57,
        61
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
        37.0,
        27.2,
        29.2,
        30.5,
        22.9,
        25.3,
        28.5,
        23.8,
        23.1,
        23.0,
        30.3,
        22.2,
        24.7,
        26.3,
        30.7,
        22.5
    ]
},
{
    "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        51,
        59
    ],
    ],
```