



AFC DUT TEST HARNESS REPORT

FCC ID : UDX-600201010

Equipment : Cisco Wireless 9176I Series Wi-Fi 7 Access Point,
Cisco Wireless 9176D1 Series Wi-Fi 7 Access Point

Brand Name : CISCO

Model Name : CW9176I, CW9176D1

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

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

Standard : 47 CFR FCC Part 15.407

The product was received on Jun. 24, 2024, and testing was started from Jun. 24, 2024 and completed on Aug. 05, 2024. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in AFC Device (AFC DUT) Compliance Test Plan Version 1.7 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

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Summary of Test Result

Report Clause	Ref Std. Clause	Test Case Name	Result (PASS/FAIL)	Remark
AFC capability - Inquired Frequency Test Group: Inquired Frequency - Always				
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Frequency_20MHz_10611_1	PASS	EUT 1 with Meraki FW
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Frequency_40MHz_10612_1	PASS	EUT 1 with Meraki FW
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Frequency_80MHz_10613_1	PASS	EUT 1 with Meraki FW
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Frequency_160MHz_10614_1	PASS	EUT 1 with Meraki FW
3.2	3.2.4	CT_AFC_SP_AP_AFCDUSA32_Frequency_10615_1	PASS	EUT 1 with Meraki FW
3.3	3.3.4	CT_AFC_SP_AP_AFCDSAU33_Frequency_10616_1	PASS	EUT 1 with Meraki FW
3.4	3.4.4	CT_AFC_SP_AP_AFCDUUA34_Frequency_10617_1	PASS	EUT 1 with Meraki FW
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Frequency_320MHz_10713_1	N/A	-
AFC capability - Inquired Channel Test Group: Inquired Channel - Always				
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Channel_20MHz_10618_1	PASS	EUT 2 with CISCO FW
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Channel_40MHz_10619_1	PASS	EUT 2 with CISCO FW
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Channel_80MHz_10620_1	PASS	EUT 2 with CISCO FW
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Channel_160MHz_10621_1	PASS	EUT 2 with CISCO FW
3.2	3.2.4	CT_AFC_SP_AP_AFCDUSA32_Channel_10622_1	PASS	EUT 2 with CISCO FW
3.3	3.3.4	CT_AFC_SP_AP_AFCDSAU33_Channel_10623_1	PASS	EUT 2 with CISCO FW
3.4	3.4.4	CT_AFC_SP_AP_AFCDUUA34_Channel_10624_1	PASS	EUT 2 with CISCO FW
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_Channel_320MHz_10714_1	N/A	-
AFC capability - Inquired Frequency & Channel Test Group: Inquired Frequency and Channel - Always				
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_20MHz_10625_1	N/A	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_40MHz_10626_1	N/A	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_80MHz_10627_1	N/A	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1	N/A	-
3.2	3.2.4	CT_AFC_SP_AP_AFCDUSA32_FrequencyChannel_10629_1	N/A	-
3.3	3.3.4	CT_AFC_SP_AP_AFCDSAU33_FrequencyChannel_10630_1	N/A	-
3.4	3.4.4	CT_AFC_SP_AP_AFCDUUA34_FrequencyChannel_10631_1	N/A	-
3.1	3.1.4	CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_320MHz_10715_1	N/A	-
AFC capability - Server Validation – Mandatory Test Group: Server Validation - Always				



3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_NonMatchSAN_10632_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_MatchSuffixSAN_10634_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1	PASS	-
3.5	3.5.4	CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1	PASS	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/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: Wendy Pan



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature of Equipment Under Test	
Power Type	From PoE
EUT Type	☒ Standard Power Access Point with Proxy ☐ Standard Power Access Point without Proxy ☐ Fixed Client with Proxy ☐ Fixed Client without Proxy
Bandwidth (MHz)	20 / 40 / 80 / 160
Condition of EUT	☒ Indoor ☐ Outdoor
Professional Installation	☒ Yes ☐ No
EUT 1 with Meraki FW	
Firmware Version	31-1-202405082343-Ge2c1e1431893-L4b42aa0e271a-jenkins-mattjmck-baseball
Software Version	N/A
Hardware Version	meraki_CW76l 0000000000
Proxy Firmware Version	N/A
Proxy Software Version	r518345
Proxy Hardware Version	N/A
EUT 2 with CISCO FW	
Firmware Version	QC_IMAGE_VERSION_STRING=WLAN.WBE.1.1.r8-00069-QCAHKSUPL_SILIC
Software Version	17.16.0.44
Hardware Version	V01
Proxy Firmware Version	17.16.20240719:013025
Proxy Software Version	17.16.20240719:013025
Proxy Hardware Version	01

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	1	WNC	95XEAK15.GAV	PCB	I-PEX	Note 1	2.4GHz, 5GHz UNII 1~2A (Radio 1)
2	3	WNC	95XEAK15.GAW	PCB	I-PEX		
3	2	WNC	95XEAK15.GAY	PIFA	I-PEX		
4	4	WNC	95XEAK15.GAX	PIFA	I-PEX		
5	2	WNC	95XEAK15.GAZ	PCB	I-PEX		5GHz UNII 1~3 or UNII 2C~3 only (Radio 2)
6	3	WNC	95XEAK15.GB1	PCB	I-PEX		
7	1	WNC	95XEAK15.GB2	PIFA	I-PEX		
8	4	WNC	95XEAK15.GB3	PIFA	I-PEX		
9	1	WNC	95XEAK15.GB4	PCB	I-PEX		6GHz UNII 5~8 (Radio 3)
10	2	WNC	95XEAK15.GB5	PCB	I-PEX		
11	3	WNC	95XEAK15.GB7	PIFA	I-PEX		2.4GHz, 5GHz UNII 1~3, 6GHz UNII 5~8 (Radio 4(Pine Scanning radio))
12	4	WNC	95XEAK15.GB6	PIFA	I-PEX		
13	2	WNC	95XEAK15.GBB	PIFA	I-PEX		
14	1	WNC	95XEAK15.GBA	PIFA	I-PEX		Bluetooth and Zigbee (Radio 5)
15	1	WNC	95XEAK15.GB8	PIFA	I-PEX		
16	1	WNC	95XEAK15.GB9	PIFA	IPEX	1.16GHz~1.19GHz: 2.9 1.56GHz~1.59GHz: 3.9	GPS (Radio 6)
17	1	WNC	95XEAK15.GBF	PIFA	IPEX	5.7	UWB (Radio 7)
18	2	WNC	95XEAK15.GBE	PCB	IPEX	6	
19	3	WNC	95XEAK15.GBE	PCB	IPEX	7.3	
20	4	WNC	95XEAK15.GBE	PCB	IPEX	5.6	



Note 1:

Ant.	Antenna Gain (dBi)								
	WLAN 2.4GHz (Radio 1)			WLAN 5GHz UNII 1~2A (Radio 1)					
				5.2GHz			5.3GHz		
1	4.98			2.42			3.3		
2	4.38			2.59			2.48		
3	3.95			4.86			5.17		
4	3.56			3.03			2.66		
Ant.	WLAN 5GHz UNII 1~3 (Radio 2)								
	5.2GHz			5.3GHz		5.6GHz		5.785GHz	
	5			6		7		8	
	2.65			3.3		2.92		2.37	
	2.18			2.69		3.01		2.91	
	3.63			3.77		3.93		3.91	
	4.44			3.9		3.79		3.47	
Ant.	WLAN 6GHz UNII 5~8 (Radio 3)								
	6.175GHz			6.475GHz		6.695GHz		6.995GHz	
	9			10		11		12	
	3.45			4.72		3.33		3.43	
	4.22			5.11		4.08		4.61	
	4.83			3.79		3.71		4.53	
	5.01			4.66		4.66		5.6	
Ant.	WLAN 2.4GHz/5GHz UNII 1~3/WLAN 6GHz UNII 5~8 (Radio 4(Pine Scanning radio))								
	2.45GHz	5.2GHz	5.3GHz	5.6GHz	5.785GHz	6.175GHz	6.475GHz	6.695GHz	6.995GHz
	13	2.46	2.35	2.62	4.9	3.33	5.53	4.82	4.27
	2.39	4.11	4.47	5.67	4.75	6.1	4.65	4.58	6.18
Ant.	Bluetooth/Zigbee (Radio 5)								
15	3.58								

Note 2:

Item	Directional Gain (dBi)							
	WLAN 2.4GHz (Radio 1)			WLAN 5GHz UNII 1~2A (Radio 1)				
				5.2GHz			5.3GHz	
2T1S	5.13			4.86			5.17	
2T2S	4.98			4.86			5.17	
4T1S	6.92			5.15			5.29	
4T2S	4.98			4.86			5.17	
4T4S	4.98			4.86			5.17	
Item	WLAN 5GHz UNII 1~3 (Radio 2) / WLAN 6GHz UNII 5~8 (Radio 3)							
	5.2GHz	5.3GHz	5.6GHz	5.785GHz	6.175GHz	6.475GHz	6.695GHz	6.995GHz
2T1S	3.63	3.77	3.93	3.91	4.44	3.9	3.93	3.91
2T2S	3.63	3.77	3.93	3.91	4.44	3.9	3.93	3.91
4T1S	5.24	5	5.57	4.69	6.4	6.14	5.25	6.29
4T2S	4.44	3.9	3.93	3.91	5.01	5.11	4.66	5.6
4T4S	4.44	3.9	3.93	3.91	5.01	5.11	4.66	5.6

Note 3: The above information (excepting Ant. 1~15 antenna gain and directional gain) was declared by manufacturer.

Note 4: Radio 1~3: Maximum Directional Gain following KDB662911 D03.

For Radio 1**For 2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (1TX, 2TX, 4TX/4RX) and****For 5GHz (UNII 1~2A) IEEE 802.11a/n/ac/ax/be mode (1TX, 2TX, 4TX/4RX):****1TX**

Only Port 1 can be use as transmitting antenna.

2TX

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

Port 1, Port 2 could transmitting simultaneously.

4TX

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

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

4RX

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



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

For Radio 2**For 5GHz (UNII 1~3 or UNII 2C~3):****For IEEE 802.11a/n/ac/ax/be mode (1TX, 2TX, 4TX/4RX):****1TX**

Only Port 1 can be use as transmitting antenna.

2TX

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

Port 1, Port 2 could transmitting simultaneously.

4TX

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

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

4RX

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

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

For Radio 3**For 6GHz (UNII 5~8):****For IEEE 802.11ax/be mode (1TX, 2TX, 4TX/4RX):****1TX**

Only Port 1 can be use as transmitting antenna.

2TX

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

Port 1, Port 2 could transmitting simultaneously.

4TX

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

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

4RX

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

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

For Radio 4(Pine Scanning radio)**For 2.4GHz:****For IEEE 802.11b/g/n/VHT/ax mode (1TX/2RX):**

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

Port 1~2 could receive simultaneously.

For 5GHz (UNII 1~3):**For IEEE 802.11a/n/ac/ax mode (1TX/2RX):**

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

Port 1~2 could receive simultaneously.

For 6GHz (UNII 5~8):**For IEEE 802.11ax mode (1TX/2RX):**

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

Port 1~2 could receive simultaneously.

For Radio 5:**For Bluetooth/Zigbee mode (1TX/1RX)**

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

For Radio 6:**For GPS (1TX/1RX)**

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

For Radio 7:**For UWB (1TX/4RX)**

Mounting on a Wall

Only Port 1 can be used as transmitting functions.

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

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

Mounting on a Ceiling



Only Port 2 can be used as transmitting functions.
Port 1, Port 2, Port 3, Port 4 can be used as receiving antennas.
Port 1, Port 2, Port 3, Port 4 could receive simultaneously.

**For EUT 2:**

Ant.	RF Port	Brand Name	Model Name	Ant. Type	Connector	Gain (dBi)	Modes of Operation
1	4	WNC	95XPAD15.G20	Dipole	I-PEX	Note 1	2.4GHz, 5GHz UNII 1~2A (Radio 1)
2	3	WNC	95XPAD15.G21	Dipole	I-PEX		
3	1	WNC	95XPAD15.G22	Dipole	I-PEX		
4	2	WNC	95XPAD15.G23	Dipole	I-PEX		5GHz UNII 1~3 or UNII 2C~3 only (Radio 2)
5	1	WNC	95XPAD15.G24	Dipole	I-PEX		
6	2	WNC	95XPAD15.G24	Dipole	I-PEX		
7	3	WNC	95XPAD15.G26	Dipole	I-PEX		6GHz UNII 5~8 (Radio 3)
8	4	WNC	95XPAD15.G26	Dipole	I-PEX		
9	1	WNC	95XPAD15.G28	Dipole	I-PEX		
10	3	WNC	95XPAD15.G30	Dipole	I-PEX		2.4GHz, 5GHz UNII 1~3, 6GHz UNII 5~8 (Radio 4(Pine Scanning radio))
11	4	WNC	95XPAD15.G31	Dipole	I-PEX		
12	2	WNC	95XPAD15.G29	Dipole	I-PEX		
13	1	WNC	95XPAD15.G34	Dipole	I-PEX		Bluetooth and Zigbee (Radio 5)
14	2	WNC	95XPAD15.G35	Dipole	I-PEX		
15	1	WNC	95XPAD15.G32	loop	I-PEX		
16	1	WNC	95XPAD15.G33	PIFA	I-PEX	1.16GHz~1.19GHz: 2.05 1.56GHz~1.59GHz: 1.92	GPS (Radio 6)
17	1	WNC	95XPAD15.G37	Patch	I-PEX	6.5	UWB (Radio 7)
18	2	WNC			I-PEX	7.0	



Note 1:

Ant.	Antenna Gain (dBi)								
	WLAN 2.4GHz (Radio 1)			WLAN 5GHz UNII 1~2A (Radio 1)					
				5.2GHz			5.3GHz		
1	6.7			4.23			4.64		
2	6.96			5.45			5.05		
3	6.72			6.52			5.7		
4	6.96			4.06			4.21		
Ant.	WLAN 5GHz UNII 1~3 (Radio 2)								
	5.2GHz			5.3GHz		5.6GHz		5.785GHz	
	6.21			5.73		7.11		6.39	
6	4.56			4.46		5.7		6.19	
7	5.8			5.89		7.2		6.62	
8	3.9			4.02		5.38		5.11	
Ant.	WLAN 6GHz UNII 5~8 (Radio 3)								
	6.175GHz			6.475GHz		6.695GHz		6.995GHz	
	5.86			7.14		6.85		6.41	
10	5.4			6.24		5.99		5.87	
11	5.64			6.22		5.45		6.4	
12	5.54			6.43		5.64		6.44	
Ant.	WLAN 2.4GHz/5GHz UNII 1~3/WLAN 6GHz UNII 5~8 (Radio 4(Pine Scanning radio))								
	2.45GHz	5.2GHz	5.3GHz	5.6GHz	5.785GHz	6.175GHz	6.475GHz	6.695GHz	6.995GHz
	13	8.02	3.93	4.57	5.47	5.9	7.71	7.64	6.98
14	8.15	4.82	4.94	4.26	5.26	6.47	7.73	6.59	6.5
Ant.	Bluetooth/Zigbee (Radio 5)								
15	6.92								

Note 2:

Item	Directional Gain (dBi)							
	WLAN 2.4GHz (Radio 1)		WLAN 5GHz UNII 1~2A (Radio 1)					
			5.2GHz			5.3GHz		
2T1S	8.53		6.52			5.7		
2T2S	6.96		6.52			5.7		
4T1S	10.12		8.28			8.25		
4T2S	7.12		6.52			5.7		
4T4S	6.96		6.52			5.7		
Item	WLAN 5GHz UNII 1~3 (Radio 2) / WLAN 6GHz UNII 5~8 (Radio 3)							
	5.2GHz	5.3GHz	5.6GHz	5.785GHz	6.175GHz	6.475GHz	6.695GHz	6.995GHz
	6.68	6.22	7.11	6.88	6.49	7.14	6.85	6.66
2T2S	6.21	5.73	7.11	6.39	5.86	7.14	6.85	6.44
4T1S	8.67	8.73	9.22	9.47	8.32	9.43	8.69	8.92
4T2S	6.21	5.89	7.2	6.62	5.86	7.14	6.85	6.44
4T4S	6.21	5.89	7.2	6.62	5.86	7.14	6.85	6.44

Note 3: The above information (excepting Ant. 1~15 antenna gain and directional gain) was declared by manufacturer.

Note 4: Radio 1~3: Maximum Directional Gain following KDB662911 D03.

For Radio 1**For 2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (1TX, 2TX, 4TX/4RX) and****For 5GHz (UNII 1~2A) IEEE 802.11a/n/ac/ax/be mode (1TX, 2TX, 4TX/4RX):****1TX**

Only Port 1 can be use as transmitting antenna.

2TX

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

Port 1, Port 2 could transmitting simultaneously.

4TX

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

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

4RX

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



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

For Radio 2

For 5GHz (UNII 1~3 or UNII 2C~3):

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

1TX

Only Port 1 can be use as transmitting antenna.

2TX

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

Port 1, Port 2 could transmitting simultaneously.

4TX

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

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

4RX

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

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

For Radio 3

For 6GHz (UNII 5~8):

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

1TX

Only Port 1 can be use as transmitting antenna.

2TX

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

Port 1, Port 2 could transmitting simultaneously.

4TX

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

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

4RX

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

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

For Radio 4(Pine Scanning radio)

For 2.4GHz:

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

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

Port 1~2 could receive simultaneously.

For 5GHz (UNII 1~3):

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

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

Port 1~2 could receive simultaneously.

For 6GHz (UNII 5~8):

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

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

Port 1~2 could receive simultaneously.

For Radio 5:

For Bluetooth/Zigbee mode (1TX/1RX)

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

For Radio 6:

For GPS (1TX/1RX)

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

For Radio 7:

For UWB (1TX/2RX)

Only Port 1 can be used as transmitting functions.

Port 1~2 can be used as receiving antennas.

Port 1~2 could receive simultaneously.

1.3 Table for Radio function

Radio \ Function	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	Bluetooth	Zigbee	GPS	UWB
1	V	V (UNII 1~2A)	-	-	-	-	-
2	-	V (UNII 2C~3/ UNII 1~3)	-	-	-	-	-
3	-	-	V	-	-	-	-
4 (Pine Scanning radio)	V	V (UNII 1~3)	V	-	-	-	-
5	-	-	-	V	V	-	-
6	-	-	-	-	-	V	-
7	-	-	-	-	-	-	V

Note1: The above information was declared by manufacturer.

Note2: For WLAN 2.4GHz: The Radio 1 and Radio 4(Pine Scanning radio) can't operate at the same frequency.

For WLAN 5GHz: The Radio 1, 2 and Radio 4(Pine Scanning radio) can't operate at the same frequency.

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

1.4 Table for Multiple Listing

The equipment/model names in the following table are identical to each other in all aspects except for the following table:

EUT	Equipment Name	Model Name	SW	Description	Accessories
1	Cisco Wireless 9176I Series Wi-Fi 7 Access Point	CW9176I	Cisco	Each model is equipped with different set of antennas.	Bracket 1*1
			Meraki		Bracket 2*1
2	Cisco Wireless 9176D1 Series Wi-Fi 7 Access Point	CW9176D1	Cisco		Bracket 3*1
			Meraki		

Note 1: There are two software versions, Cisco and Meraki. The EUT 1 was tested with Meraki software version, and the EUT 2 was tested with Cisco software version.

Note 2: The above information was declared by manufacturer.



1.5 Table for EUT Support Function

Function	Supports Band
AP Router	2.4GHz, 5GHz UNII 1~3, 6GHz UNII 5~8, Bluetooth, Zigbee, UWB and GPS
Mesh	6GHz UNII 5~8

Note: The above information was declared by manufacturer.

1.6 Accessories

For EUT 1: Bracket 1*1, Bracket 2*1

For EUT 2: Bracket 3*1

1.7 Support Equipment

For EUT 1 with Meraki FW:

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	Intel	AX210NGW	PD9AX210NG
D	Notebook	DELL	E4300	N/A
E	PoE	PHIHONG	POE60U-1BT-X	N/A
F	Proxy	Cisco	Model 9800-L-C	N/A

For EUT 2 with CISCO FW:

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	Notebook	DELL	E4300	N/A
E	Proxy	Cisco	C9800-L-C-K9	N/A
F	PoE	PHIHONG	POE29U-1AT(PL)	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 (EUT 1 with Meraki FW)	TH01-CB	Caster Chang	23.4~23.9 / 53~58	Jun. 24, 2024~ Jul. 12, 2024
RF Conducted (EUT 2 with CISCO FW)	TH01-CB	Caster Chang	25.2~25.5 / 51~57	Aug. 03, 2024~ Aug. 05, 2024



2 Measurement Environment

Measurement Environment Information	
AFC DUT Test Harness version	2.0.65.174

2.1 AFCD General Capabilities Declaration

For EUT 1 with Meraki FW:

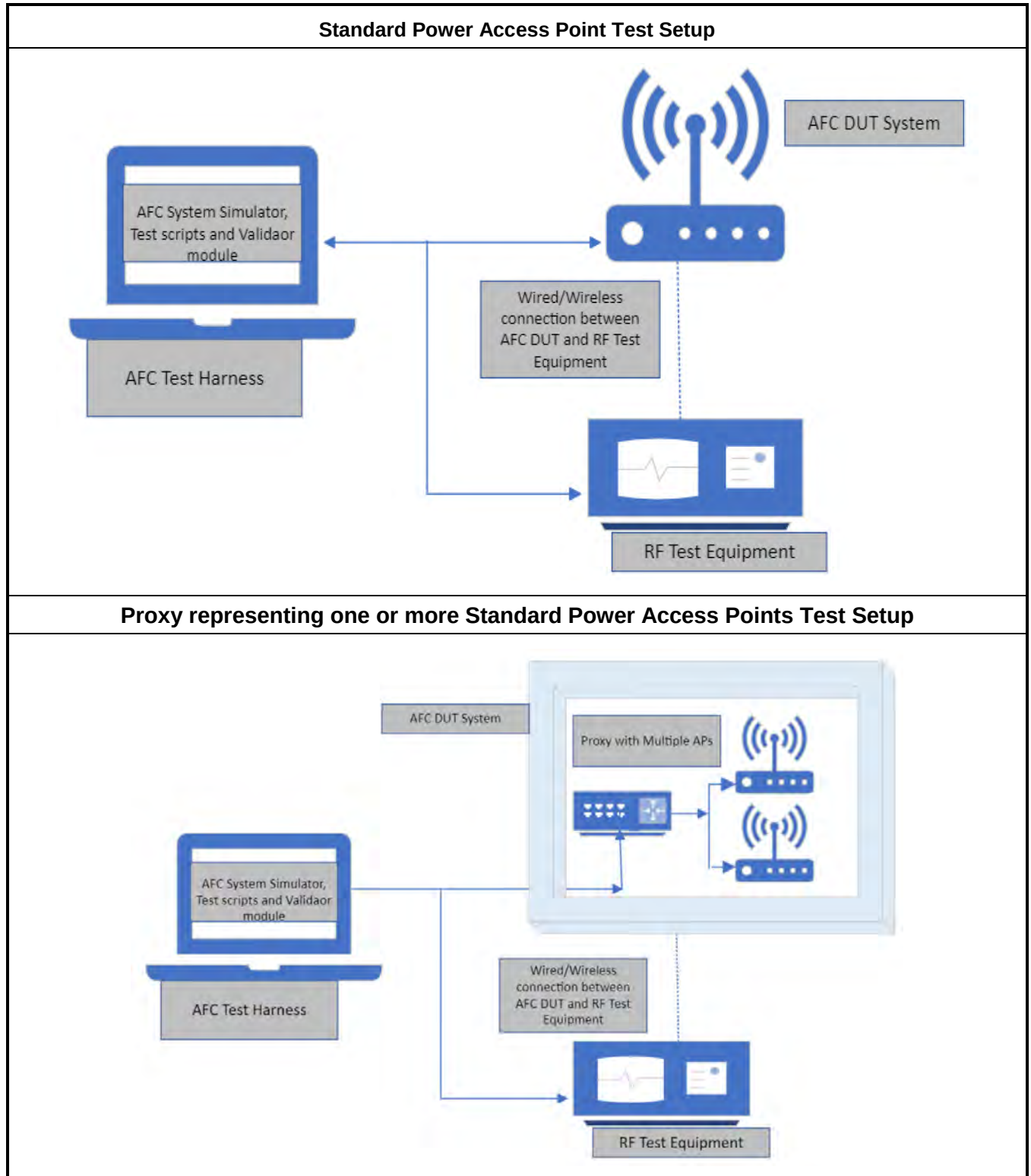
Item	Question	Vendor Response
1	AFC DUT Type	Standalone AP with Proxy
2	Does the AFC DUT supports sending an Available Spectrum Inquiry Request based on the inquired Frequency Range field?	Yes
3	Does the AFC DUT supports sending an Available Spectrum Inquiry Request based on the inquired Channels fields?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

**For EUT 2 with CISCO FW:**

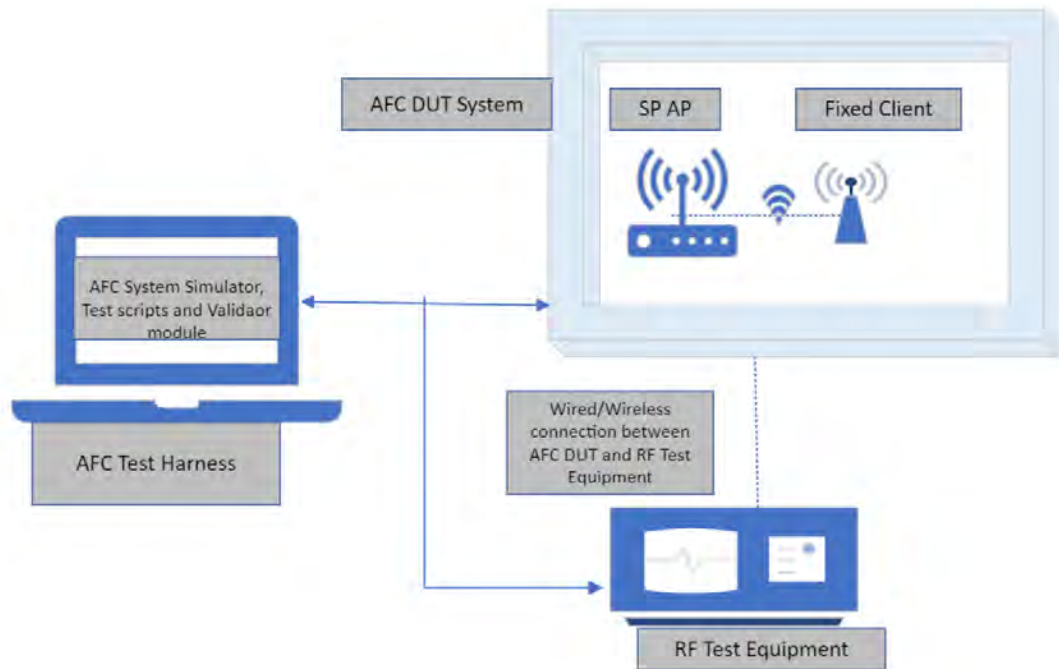
Item	Question	Vendor Response
1	AFC DUT Type	Standard Power AP with Proxy
2	Does the AFC DUT supports sending an Available Spectrum Inquiry Request based on the inquired Frequency Range field?	No
3	Does the AFC DUT supports sending an Available Spectrum Inquiry Request based on the inquired Channels fields?	Yes
4	If the Answer to Items 2 and 3 is "Yes", what is AFC DUT's default inquiry type?	-
5	Does the AFC DUT need to be supplied with BSS configuration parameters?	No
6	Does the AFC DUT manufacturer attest to AFC DUT compliance with rules for LPI operation?	Yes
7	Does the AFC DUT need to be supplied with mandatory registration information to formulate an Available Spectrum Inquiry Request	No
8	If the Answer to Item 7 is "Yes". What is the geographic Supported by the AFC DUT?	N/A
9	Does the AFC DUT supports 160 MHz channel width operation?	Yes
10	Which method does AFC DUT acting as a Fixed Client uses for sending an Available Spectrum Inquiry Request?	N/A
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, 2024	May 26, 2025	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1~26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Power Divider	STI	2 Way	DV-8G -05	1 ~ 8GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)
RF Power Divider	STI	2 Way	DV-8G -06	1 ~ 8GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)
RF Power Divider	STI	2 Way	DV-8G -07	1 ~ 8GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)
RF Power Divider	STI	2 Way	DV-8G -08	1 ~ 8GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)

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



5 Measurement Uncertainty

Test Items	Uncertainty	Remark
Conducted Emission	3.1 dB	Confidence levels of 95%

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP with Proxy
DUT Vendor Name	CISCO
DUT Product Model	CW9176I

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_AFCDUUAU34_Frequency_10617_1 (Unsuccessful spectrum access update)	PASS
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDUAU33_Frequency_10616_1 (Successful spectrum access update)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii)	CT_AFC_SP_AP_AFCDUSA32_Frequency_10615_1 (Unsuccessful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_Frequency_160MHz_10614_1 (Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_Frequency_80MHz_10613_1 (Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii)	CT_AFC_SP_AP_AFCDRSA31_Frequency_40MHz_10612_1 (Successful registration and spectrum access request)	PASS

15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)		
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_Frequency_20MHz_10611_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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

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

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

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

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

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

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

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

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

AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD), SP limits (23 dBm/MHz PSD) in Spectrum Reponse] on channel 149 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_AFCDSA33_Frequency_10616_1 (Successful spectrum access update)
TestResult: PASS
Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION_1	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD), SP limits (21.241795978418946 dBm/MHz PSD) in Spectrum Reponse] on channel 21 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_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_AFC_DUSA32_Frequency_10615_1 (Unsuccessful registration and spectrum access request)
TestResult: PASS
Band: 6GHz

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

TestCaseName: CT_AFC_SP_AP_AFC_DRSA31_Frequency_160MHz_10614_1 (Successful registration and spectrum access request)
TestResult: PASS
Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD), SP limits (12.764139575782856 dBm/MHz PSD) in Spectrum Response] 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	true	PASS

	information		
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 (11.544197693521072 dBm/MHz PSD) in Spectrum Reponse] on channel center frequency index 47 bandwidth 160.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCRSA31_Frequency_80MHz_10613_1 (Successful registration and spectrum access request)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD), SP limits (10.35846996529973 dBm/MHz PSD) in Spectrum Reponse] 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 transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD), SP limits (9.769177114058527 dBm/MHz PSD) in Spectrum Reponse] on channel center frequency index 23 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_Frequency_40MHz_10612_1 (Successful registration and spectrum access request)

TestResult: PASS

Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD), SP limits (14.989469762794336 dBm/MHz PSD) in Spectrum Reponse] on channel center frequency index 27 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	true	PASS

	CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (17.055412843665636 dBm/MHz PSD) in Spectrum Reponse] on channel center frequency index 35 bandwidth 40.		
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_Frequency_20MHz_10611_1 (Successful registration and spectrum access request)

TestResult: PASS

Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (17.425719279812554 dBm/MHz PSD) in Spectrum Reponse] on channel 53 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 (18.833985944956375	true	PASS

	dBm/MHz.PSD) in Spectrum Reponse] on channel 137 bandwidth 20.		
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	CISCO
DUT Product Model	CW9176D1

Test Result

FCC Requirements	Test Case Name	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_Channel_10624_1 (Unsuccessful spectrum access update)	PASS
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDUAU33_Channel_10623_1 (Successful spectrum access update)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii)	CT_AFC_SP_AP_AFCDUSA32_Channel_10622_1 (Unsuccessful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_Channel_160MHz_10621_1 (Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_Channel_80MHz_10620_1 (Successful registration and spectrum access request)	PASS
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii),	CT_AFC_SP_AP_AFCDRSA31_Channel_40MHz_10619_1 (Successful registration and spectrum access request)	PASS

15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)		
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDRSA31_Channel_20MHz_10618_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

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_AFCDSV35_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_AFCDSV35_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_AFCDSV35_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_Channel_10624_1 (Unsuccessful spectrum access update)
TestResult: PASS
Band: 6GHz

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

	(36.0 dBm EIRP) in Spectrum Reponse] on channel 149 bandwidth 20.		
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

TestCaseName: CT_AFC_SP_AP_AFCDSAU33_Channel_10623_1 (Successful spectrum access update)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION_1	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (25.1 dBm EIRP) in Spectrum Reponse] on channel 37 bandwidth 20.	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

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

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

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_Channel_160MHz_10621_1 (Successful registration and spectrum access request)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (31.2 dBm EIRP) in Spectrum Reponse] on channel center frequency index 79 bandwidth 160.	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (33.8 dBm EIRP) in Spectrum Reponse] on channel center frequency index 143 bandwidth 160.	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_Channel_80MHz_10620_1 (Successful registration and spectrum access request)

TestResult:PASS

Band:6GHz

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 (33.2 dBm EIRP) in Spectrum Reponse] on channel center	true	PASS

	frequency index 151 bandwidth 80.		
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 (29.7 dBm EIRP) in Spectrum Reponse] on channel center frequency index 55 bandwidth 80.	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_Channel_40MHz_10619_1 (Successful registration and spectrum access request)

TestResult:PASS

Band:6GHz

Measurement Name	Description	Value	Validation Result
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 (28.8 dBm EIRP) in Spectrum Reponse] on channel center frequency index 163 bandwidth 40.	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (35.6 dBm EIRP) in Spectrum Reponse] on channel center frequency index 147 bandwidth 40.	true	PASS

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_Channel_20MHz_10618_1 (Successful registration and spectrum access request)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (29.7 dBm EIRP) in Spectrum Reponse] on channel 85 bandwidth 20.	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (32.4 dBm EIRP) in Spectrum Reponse] on channel 133 bandwidth 20.	true	PASS

AFC capability - Inquired Frequency

CT_AFC_SP_AP_AFCDRSA31_Frequency_20MHz_10611_1

2024-06-24T06:53:49Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "215592910095296",
        "deviceDescriptor": {
          "serialNumber": "Q5BB-JRJE-V2DJ",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,

```

```
        "orientation": 0
      },
      "elevation": {
        "height": 10.0,
        "heightType": "AGL",
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9176I"
        }
      }
    ]
  },
  "vendorExtensions": [
    {
      "extensionId": "CiscoInfo",
      "parameters": {
        "version": "1.4",
        "source": "Cloud",
```

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

2024-06-24T06:53:49Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 17.614986538901782
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 15.034115889323317
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 21.249054323527318
        }
      ]
    }
  ]
}
```

```
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 11.492966385403694
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 9.309073340929848
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 16.626934787784144
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 17.06356552657374
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 17.891630142054936
},
{
  "frequencyRange": {
```



```
        "highFrequency": 6125,
        "lowFrequency": 6105
    },
    "maxPsd": 9.86862563878354
},
{
    "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
    },
    "maxPsd": 11.190890636840017
},
{
    "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
    },
    "maxPsd": 13.60701426617433
},
{
    "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
    },
    "maxPsd": 17.59164493758803
},
{
    "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
    },
    "maxPsd": 13.437385786193804
},
{
    "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
```

```
    },
    "maxPsd": 17.425719279812554
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 14.389616505248846
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 9.907661424332836
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 16.148302540105384
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 9.337696798773747
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 18.837890677025882
  }
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6345,  
        "lowFrequency": 6325  
      },  
      "maxPsd": 19.57751460871158  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6365,  
        "lowFrequency": 6345  
      },  
      "maxPsd": 13.399961232359898  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6385,  
        "lowFrequency": 6365  
      },  
      "maxPsd": 12.802952662291105  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6405,  
        "lowFrequency": 6385  
      },  
      "maxPsd": 19.433456092665573  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6425,  
        "lowFrequency": 6405  
      },  
      "maxPsd": 11.296624349684645  
    }  
  ],
```

```
"requestId": "215592910095296",  
"availabilityExpireTime": "2024-06-25T06:53:49Z",  
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```

2024-06-24T06:53:50Z

```
{  
  "headers": {  
    "Host": "testserver.wfatestorg.org",  
    "Accept": "/*/*",  
    "Content-Type": "application/json",  
    "X-Forwarded-For": "158.115.159.133",  
    "X-Forwarded-Host": "testserver.wfatestorg.org",  
    "X-Forwarded-Server": "testserver.wfatestorg.org",  
    "Content-Length": "763",  
    "Connection": "Keep-Alive"  
  },  
  "body": {  
    "version": "1.4",  
    "availableSpectrumInquiryRequests": [  
      {  
        "requestId": "215592910095296",  
        "deviceDescriptor": {  
          "serialNumber": "Q5BB-JRJE-V2DJ",  
          "certificationId": [  
            {  
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",  
              "id": "UDX-600201010"  
            }  
          ]  
        }  
      ]  
    },  
    "location": {  
      "ellipse": {  
        "center": {
```

```
        "latitude": 38,
        "longitude": -122
    },
    "majorAxis": 20,
    "minorAxis": 20,
    "orientation": 0
},
"elevation": {
    "height": 10.0,
    "heightType": "AGL",
    "verticalUncertainty": 10.0
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5945,
        "highFrequency": 6875
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    }
],
"vendorExtensions": [
    {
        "extensionId": "CiscoApInfo",
        "parameters": {
            "version": "1.4",
            "PID": "CW9176I"
        }
    }
]
},
"vendorExtensions": [
```



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

##### 2024-06-24T06:53:50Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 17.614986538901782
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 15.034115889323317
        },
        {
          "frequencyRange": {
```

```
        "highFrequency": 6005,
        "lowFrequency": 5985
    },
    "maxPsd": 21.249054323527318
},
{
    "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
    },
    "maxPsd": 11.492966385403694
},
{
    "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
    },
    "maxPsd": 9.309073340929848
},
{
    "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
    },
    "maxPsd": 16.626934787784144
},
{
    "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
    },
    "maxPsd": 17.06356552657374
},
{
    "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
```

```
    },
    "maxPsd": 17.891630142054936
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 9.86862563878354
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 11.190890636840017
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 13.60701426617433
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 17.59164493758803
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 13.437385786193804
  }
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 17.425719279812554
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 14.389616505248846
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 9.907661424332836
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 16.148302540105384
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 9.337696798773747
},
{
```

```
"frequencyRange": {
  "highFrequency": 6325,
  "lowFrequency": 6305
},
"maxPsd": 18.837890677025882
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 19.57751460871158
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 13.399961232359898
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 12.802952662291105
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 19.433456092665573
},
{
  "frequencyRange": {
    "highFrequency": 6425,
```



```
        "lowFrequency": 6405
      },
      "maxPsd": 11.296624349684645
    }
  ],
  "requestId": "215592910095296",
  "availabilityExpireTime": "2024-06-25T06:53:50Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

##### 2024-06-24T06:57:08Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "215592910095296",
        "deviceDescriptor": {
          "serialNumber": "Q5BB-JRJE-V2DJ",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        }
      }
    ]
  }
}
```

```
    }
  ]
},
"location": {
  "ellipse": {
    "center": {
      "latitude": 38,
      "longitude": -122
    },
    "majorAxis": 20,
    "minorAxis": 20,
    "orientation": 0
  },
  "elevation": {
    "height": 10.0,
    "heightType": "AGL",
    "verticalUncertainty": 10.0
  },
  "indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5945,
    "highFrequency": 6875
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoApInfo",
    "parameters": {
      "version": "1.4",
      "PID": "CW9176I"
```

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

##### 2024-06-24T06:57:08Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6605,
            "lowFrequency": 6585
          },
          "maxPsd": 12.383590419306348
        },
        {
          "frequencyRange": {
            "highFrequency": 6625,
```

```
        "lowFrequency": 6605
      },
      "maxPsd": 13.757381561726651
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 18.833985944956375
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 17.426697190199008
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 8.73717368905982
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 10.092552279019321
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
    },
```

```
        "maxPsd": 18.706950705651796
      },
      {
        "frequencyRange": {
          "highFrequency": 6745,
          "lowFrequency": 6725
        },
        "maxPsd": 9.233283386505175
      }
    ],
    "requestId": "215592910095296",
    "availabilityExpireTime": "2024-06-25T06:57:08Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
],
"version": "1.4"
}
```

```
##### 2024-06-24T06:57:09Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "215592910095296",
        "deviceDescriptor": {
          "serialNumber": "Q5BB-JRJE-V2DJ",

```

```
"certificationId": [  
  {  
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E",  
    "id": "UDX-600201010"  
  }  
]  
,  
"location": {  
  "ellipse": {  
    "center": {  
      "latitude": 38,  
      "longitude": -122  
    },  
    "majorAxis": 20,  
    "minorAxis": 20,  
    "orientation": 0  
  },  
  "elevation": {  
    "height": 10.0,  
    "heightType": "AGL",  
    "verticalUncertainty": 10.0  
  },  
  "indoorDeployment": 1  
},  
"inquiredFrequencyRange": [  
  {  
    "lowFrequency": 5945,  
    "highFrequency": 6875  
  }  
],  
"inquiredChannels": [  
  {  
    "globalOperatingClass": 131  
  }  
],  
"vendorExtensions": [  
  {
```



```
        "extensionId": "CiscoApInfo",
        "parameters": {
            "version": "1.4",
            "PID": "CW9176I"
        }
    }
]
}
],
"vendorExtensions": [
    {
        "extensionId": "CiscoInfo",
        "parameters": {
            "version": "1.4",
            "source": "Cloud",
            "identity": 1003
        }
    }
]
}
}
```

2024-06-24T06:57:09Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6605,
            "lowFrequency": 6585
          },
          "maxPsd": 12.383590419306348
        }
      ]
    }
  ]
}
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6625,  
        "lowFrequency": 6605  
      },  
      "maxPsd": 13.757381561726651  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6645,  
        "lowFrequency": 6625  
      },  
      "maxPsd": 18.833985944956375  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6665,  
        "lowFrequency": 6645  
      },  
      "maxPsd": 17.426697190199008  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6685,  
        "lowFrequency": 6665  
      },  
      "maxPsd": 8.73717368905982  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6705,  
        "lowFrequency": 6685  
      },  
      "maxPsd": 10.092552279019321  
    },  
    {
```

```
        "frequencyRange": {
            "highFrequency": 6725,
            "lowFrequency": 6705
        },
        "maxPsd": 18.706950705651796
    },
    {
        "frequencyRange": {
            "highFrequency": 6745,
            "lowFrequency": 6725
        },
        "maxPsd": 9.233283386505175
    }
],
"requestId": "215592910095296",
"availabilityExpireTime": "2024-06-25T06:57:09Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

CT_AFC_SP_AP_AFCDRSA31_Frequency_40MHz_10612_1

2024-06-24T07:08:11Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "215592910095296",
        "deviceDescriptor": {
          "serialNumber": "Q5BB-JRJE-V2DJ",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      }
    }
  }
}
```

```
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9176I"
      }
    }
  ]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
```

```
}
}
]
}
}

##### 2024-06-24T07:08:11Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 13.721527646788541
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 9.62944114015232
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 9.95556518645207
        }
      ]
    }
  ]
}
```



```
"frequencyRange": {
  "highFrequency": 6025,
  "lowFrequency": 6005
},
"maxPsd": 12.213309161255216
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 9.59187349078416
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 17.91076976886986
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 15.986221864506032
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 14.989469762794336
},
{
  "frequencyRange": {
    "highFrequency": 6285,
```

```
        "lowFrequency": 6265
      },
      "maxPsd": 15.355231207787188
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 11.050023560848661
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 20.636507279750127
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 17.24515546154162
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 9.674775121940657
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
    },
```

```
"maxPsd": 10.843877115660757
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 19.43390651854302
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 10.42141868531315
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 15.38301111714723
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 9.110239121032873
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 19.04045294115822
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 9.153947439752795
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 20.25414630868969
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 13.257018990089097
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 18.282071160802325
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 21.71367118118421
}
],
"requestId": "215592910095296",
```

```
"availabilityExpireTime": "2024-06-25T07:08:11Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2024-06-24T07:08:12Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "215592910095296",
        "deviceDescriptor": {
          "serialNumber": "Q5BB-JRJE-V2DJ",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "latitude": 38,
```

```
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9176I"
      }
    }
  ]
},
"vendorExtensions": [
  {
```



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

##### 2024-06-24T07:08:12Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 13.721527646788541
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 9.62944114015232
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
```

```
        "lowFrequency": 5985
      },
      "maxPsd": 9.95556518645207
    },
    {
      "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
      },
      "maxPsd": 12.213309161255216
    },
    {
      "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
      },
      "maxPsd": 9.59187349078416
    },
    {
      "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
      },
      "maxPsd": 17.91076976886986
    },
    {
      "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
      },
      "maxPsd": 15.986221864506032
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
```

```
"maxPsd": 14.989469762794336
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 15.355231207787188
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 11.050023560848661
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 20.636507279750127
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 17.24515546154162
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 9.674775121940657
},
}
```

```
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 10.843877115660757
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 19.43390651854302
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 10.42141868531315
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 15.38301111714723
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 9.110239121032873
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6645,
        "lowFrequency": 6625
    },
    "maxPsd": 19.04045294115822
},
{
    "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
    },
    "maxPsd": 9.153947439752795
},
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 20.25414630868969
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 13.257018990089097
},
{
    "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
    },
    "maxPsd": 18.282071160802325
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
```

```
    },
    "maxPsd": 21.71367118118421
  }
],
"requestId": "215592910095296",
"availabilityExpireTime": "2024-06-25T07:08:12Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2024-06-24T07:14:40Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "215592910095296",
        "deviceDescriptor": {
          "serialNumber": "Q5BB-JRJE-V2DJ",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        }
      }
    ]
  }
}
```

```
    ]
  },
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9176I"
      }
    }
  ]
}
```



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

##### 2024-06-24T07:14:40Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 21.67364186553873
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          }
        }
      ]
    }
  ]
}
```

```
    },  
    "maxPsd": 17.055412843665636  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6165,  
      "lowFrequency": 6145  
    },  
    "maxPsd": 21.623577459240792  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6185,  
      "lowFrequency": 6165  
    },  
    "maxPsd": 19.102122781227827  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6205,  
      "lowFrequency": 6185  
    },  
    "maxPsd": 19.542043007342542  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6225,  
      "lowFrequency": 6205  
    },  
    "maxPsd": 20.26009708282372  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6245,  
      "lowFrequency": 6225  
    },  
    "maxPsd": 9.48709069015234
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 11.16519132428221
    }
  ],
  "requestId": "215592910095296",
  "availabilityExpireTime": "2024-06-25T07:14:40Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2024-06-24T07:14:41Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "215592910095296",
        "deviceDescriptor": {
          "serialNumber": "Q5BB-JRJE-V2DJ",
          "certificationId": [

```

```
{
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
  "id": "UDX-600201010"
}
],
"location": {
  "ellipse": {
    "center": {
      "latitude": 38,
      "longitude": -122
    },
    "majorAxis": 20,
    "minorAxis": 20,
    "orientation": 0
  },
  "elevation": {
    "height": 10.0,
    "heightType": "AGL",
    "verticalUncertainty": 10.0
  },
  "indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5945,
    "highFrequency": 6875
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoApInfo",
```

```
        "parameters": {
            "version": "1.4",
            "PID": "CW9176I"
        }
    }
]
},
"vendorExtensions": [
    {
        "extensionId": "CiscoInfo",
        "parameters": {
            "version": "1.4",
            "source": "Cloud",
            "identity": 1003
        }
    }
]
}
}
```

2024-06-24T07:14:41Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 21.67364186553873
        }
      ]
    }
  ]
}
```

```
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 17.055412843665636
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 21.623577459240792
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 19.102122781227827
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 19.542043007342542
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 20.26009708282372
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6245,  
        "lowFrequency": 6225  
    },  
    "maxPsd": 9.48709069015234  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6265,  
        "lowFrequency": 6245  
    },  
    "maxPsd": 11.16519132428221  
}  
],  
"requestId": "215592910095296",  
"availabilityExpireTime": "2024-06-25T07:14:41Z",  
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```


CT_AFC_SP_AP_AFCDSA31_Frequency_80MHz_10613_1

2024-06-24T07:42:58Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "215592910095296",
        "deviceDescriptor": {
          "serialNumber": "Q5BB-JRJE-V2DJ",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      }
    }
  }
}
```

```
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9176I"
      }
    }
  ]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
```

```
    }
  }
]
}
}

##### 2024-06-24T07:42:58Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 9.868700634507675
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 18.59497589563499
        },
        {
          "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
          },
          "maxPsd": 19.85438985667031
        }
      ]
    }
  ]
}
```

```
"frequencyRange": {
  "highFrequency": 6185,
  "lowFrequency": 6165
},
"maxPsd": 9.474753269591776
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 12.258013377310382
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 18.32530827654508
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 8.066407413538375
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 8.78565441841236
},
{
  "frequencyRange": {
    "highFrequency": 6605,
```

```
        "lowFrequency": 6585
      },
      "maxPsd": 14.287387390316212
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 8.944859383501363
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 9.776879981232078
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 10.742179609840461
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 10.35846996529973
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
```

```
"maxPsd": 21.29267400806841
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 12.081679405291757
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 18.57808926878068
}
],
"requestId": "215592910095296",
"availabilityExpireTime": "2024-06-25T07:42:58Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

##### 2024-06-24T07:42:59Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },

```

```
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "215592910095296",
      "deviceDescriptor": {
        "serialNumber": "Q5BB-JRJE-V2DJ",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-600201010"
          }
        ]
      },
      "location": {
        "ellipse": {
          "center": {
            "latitude": 38,
            "longitude": -122
          },
          "majorAxis": 20,
          "minorAxis": 20,
          "orientation": 0
        },
        "elevation": {
          "height": 10.0,
          "heightType": "AGL",
          "verticalUncertainty": 10.0
        },
        "indoorDeployment": 1
      },
      "inquiredFrequencyRange": [
        {
          "lowFrequency": 5945,
          "highFrequency": 6875
        }
      ]
    }
  ]
}
```



```
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoApInfo",
    "parameters": {
      "version": "1.4",
      "PID": "CW9176I"
    }
  }
]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

2024-06-24T07:42:59Z

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

```
"availableFrequencyInfo": [  
  {  
    "frequencyRange": {  
      "highFrequency": 6125,  
      "lowFrequency": 6105  
    },  
    "maxPsd": 9.868700634507675  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6145,  
      "lowFrequency": 6125  
    },  
    "maxPsd": 18.59497589563499  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6165,  
      "lowFrequency": 6145  
    },  
    "maxPsd": 19.85438985667031  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6185,  
      "lowFrequency": 6165  
    },  
    "maxPsd": 9.474753269591776  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 6205,  
      "lowFrequency": 6185  
    },  
    "maxPsd": 12.258013377310382  
  },  
  {  

```

```
"frequencyRange": {
  "highFrequency": 6225,
  "lowFrequency": 6205
},
"maxPsd": 18.32530827654508
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 8.066407413538375
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 8.78565441841236
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 14.287387390316212
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 8.944859383501363
},
{
  "frequencyRange": {
    "highFrequency": 6645,
```

```
        "lowFrequency": 6625
      },
      "maxPsd": 9.776879981232078
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 10.742179609840461
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 10.35846996529973
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 21.29267400806841
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 12.081679405291757
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
    },
```

```
"maxPsd": 18.57808926878068
    }
  ],
  "requestId": "215592910095296",
  "availabilityExpireTime": "2024-06-25T07:42:59Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

##### 2024-06-24T07:52:25Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "215592910095296",
        "deviceDescriptor": {
          "serialNumber": "Q5BB-JRJE-V2DJ",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        }
      ]
    ]
  }
}
```

```
    },
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      },
      "elevation": {
        "height": 10.0,
        "heightType": "AGL",
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9176I"
        }
      }
    ]
  }
```

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

##### 2024-06-24T07:52:25Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 17.954398061833572
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          }
        }
      ]
    }
  ]
}
```

```
"maxPsd": 12.812717375172632
},
{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 15.95019068682442
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 21.850756229740234
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 11.93000045025761
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 9.769177114058527
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 20.493480411918824
},
},
```



```
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 15.242359577384995
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 8.715944070639356
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 14.890169780109163
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 17.02046961060644
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 11.962381270735857
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6365,
        "lowFrequency": 6345
    },
    "maxPsd": 9.25113951210121
},
{
    "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
    },
    "maxPsd": 15.03587105845918
},
{
    "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
    },
    "maxPsd": 18.49097864149075
},
{
    "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
    },
    "maxPsd": 8.983935326626655
}
],
"requestId": "215592910095296",
"availabilityExpireTime": "2024-06-25T07:52:25Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2024-06-24T07:52:26Z #####
{
```

```
"headers": {
  "Host": "testserver.wfatestorg.org",
  "Accept": "*/*",
  "Content-Type": "application/json",
  "X-Forwarded-For": "158.115.159.133",
  "X-Forwarded-Host": "testserver.wfatestorg.org",
  "X-Forwarded-Server": "testserver.wfatestorg.org",
  "Content-Length": "763",
  "Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "215592910095296",
      "deviceDescriptor": {
        "serialNumber": "Q5BB-JRJE-V2DJ",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-600201010"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
```

```
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9176I"
        }
      }
    ]
  },
  "vendorExtensions": [
    {
      "extensionId": "CiscoInfo",
      "parameters": {
        "version": "1.4",
        "source": "Cloud",
        "identity": 1003
      }
    }
  ]
}
```

```
}

##### 2024-06-24T07:52:26Z #####

{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 17.954398061833572
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 12.812717375172632
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 15.95019068682442
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },

```

```
"maxPsd": 21.850756229740234
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 11.93000045025761
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 9.769177114058527
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 20.493480411918824
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 15.242359577384995
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 8.715944070639356
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 14.890169780109163
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 17.02046961060644
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 11.962381270735857
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 9.25113951210121
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 15.03587105845918
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6405,  
        "lowFrequency": 6385  
    },  
    "maxPsd": 18.49097864149075  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6425,  
        "lowFrequency": 6405  
    },  
    "maxPsd": 8.983935326626655  
}  
],  
"requestId": "215592910095296",  
"availabilityExpireTime": "2024-06-25T07:52:26Z",  
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```


CT_AFC_SP_AP_AFCDSA31_Frequency_160MHz_10614_1

2024-06-24T08:10:21Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "215592910095296",
        "deviceDescriptor": {
          "serialNumber": "Q5BB-JRJE-V2DJ",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      }
    }
  }
}
```

```
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9176I"
      }
    }
  ]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
```

```
    }
  }
]
}
}

##### 2024-06-24T08:10:22Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 17.52604413676238
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 16.155723251710477
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 17.40626613053435
        }
      ]
    }
  ]
}
```

```
"frequencyRange": {
  "highFrequency": 6025,
  "lowFrequency": 6005
},
"maxPsd": 21.00207499458493
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 19.129345222719955
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 12.764139575782856
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 14.238605450427197
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 18.414333936037778
},
{
  "frequencyRange": {
    "highFrequency": 6285,
```

```
        "lowFrequency": 6265
      },
      "maxPsd": 8.947160841412416
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 8.68158070529364
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 20.330340909309456
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 12.384943509101879
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 8.611137182397016
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
```

```
"maxPsd": 21.77949523971754
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 21.127203280940584
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 21.278251637189335
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 8.822537741686991
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 19.674010404922036
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 16.252425719752793
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 14.36303846346871
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 14.686411891250664
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 14.314680483123736
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 14.680860980549793
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 13.977867441353652
}
],
"requestId": "215592910095296",
```

```
"availabilityExpireTime": "2024-06-25T08:10:22Z",  
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
  "version": "1.4"  
}
```

2024-06-24T08:10:22Z

```
{  
  "headers": {  
    "Host": "testserver.wfatestorg.org",  
    "Accept": "*/*",  
    "Content-Type": "application/json",  
    "X-Forwarded-For": "158.115.159.133",  
    "X-Forwarded-Host": "testserver.wfatestorg.org",  
    "X-Forwarded-Server": "testserver.wfatestorg.org",  
    "Content-Length": "763",  
    "Connection": "Keep-Alive"  
  },  
  "body": {  
    "version": "1.4",  
    "availableSpectrumInquiryRequests": [  
      {  
        "requestId": "215592910095296",  
        "deviceDescriptor": {  
          "serialNumber": "Q5BB-JRJE-V2DJ",  
          "certificationId": [  
            {  
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",  
              "id": "UDX-600201010"  
            }  
          ]  
        }  
      ]  
    },  
    "location": {  
      "ellipse": {  
        "center": {  
          "latitude": 38,
```



```
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9176I"
      }
    }
  ]
},
"vendorExtensions": [
  {
```

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

##### 2024-06-24T08:10:22Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 17.52604413676238
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 16.155723251710477
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
```

```
        "lowFrequency": 5985
      },
      "maxPsd": 17.40626613053435
    },
    {
      "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
      },
      "maxPsd": 21.00207499458493
    },
    {
      "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
      },
      "maxPsd": 19.129345222719955
    },
    {
      "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
      },
      "maxPsd": 12.764139575782856
    },
    {
      "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
      },
      "maxPsd": 14.238605450427197
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
    },
```

```
"maxPsd": 18.414333936037778
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 8.947160841412416
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 8.68158070529364
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 20.330340909309456
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 12.384943509101879
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 8.611137182397016
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 21.77949523971754
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 21.127203280940584
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 21.278251637189335
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 8.822537741686991
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 19.674010404922036
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6645,
        "lowFrequency": 6625
    },
    "maxPsd": 16.252425719752793
},
{
    "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
    },
    "maxPsd": 14.36303846346871
},
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 14.686411891250664
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 14.314680483123736
},
{
    "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
    },
    "maxPsd": 14.680860980549793
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
```

```
    },
    "maxPsd": 13.977867441353652
  }
],
"requestId": "215592910095296",
"availabilityExpireTime": "2024-06-25T08:10:22Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2024-06-24T08:16:40Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "215592910095296",
        "deviceDescriptor": {
          "serialNumber": "Q5BB-JRJE-V2DJ",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        }
      }
    ]
  }
}
```

```
    ]
  },
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9176I"
      }
    }
  ]
}
```



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

##### 2024-06-24T08:16:40Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 17.1133137257381
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          }
        }
      ]
    }
  ]
}
```

```
    },
    "maxPsd": 11.544197693521072
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 21.950818310754013
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 13.76935894681817
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 19.820936523464276
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 13.551836680635258
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 13.005079717755931
  }
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 13.714255860347446
    }
  ],
  "requestId": "215592910095296",
  "availabilityExpireTime": "2024-06-25T08:16:40Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2024-06-24T08:16:41Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "215592910095296",
        "deviceDescriptor": {
          "serialNumber": "Q5BB-JRJE-V2DJ",
          "certificationId": [

```

```
{
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
  "id": "UDX-600201010"
}
],
"location": {
  "ellipse": {
    "center": {
      "latitude": 38,
      "longitude": -122
    },
    "majorAxis": 20,
    "minorAxis": 20,
    "orientation": 0
  },
  "elevation": {
    "height": 10.0,
    "heightType": "AGL",
    "verticalUncertainty": 10.0
  },
  "indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5945,
    "highFrequency": 6875
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoApInfo",
```

```
        "parameters": {
            "version": "1.4",
            "PID": "CW9176I"
        }
    }
]
},
"vendorExtensions": [
    {
        "extensionId": "CiscoInfo",
        "parameters": {
            "version": "1.4",
            "source": "Cloud",
            "identity": 1003
        }
    }
]
}
}
```

2024-06-24T08:16:41Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 17.1133137257381
        }
      ]
    }
  ]
}
```

```
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 11.544197693521072
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 21.950818310754013
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 13.76935894681817
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 19.820936523464276
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 13.551836680635258
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 13.005079717755931
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 13.714255860347446
    }
  ],
  "requestId": "215592910095296",
  "availabilityExpireTime": "2024-06-25T08:16:41Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

CT_AFC_SP_AP_AFCDUSA32_Frequency_10615_1

2024-06-24T08:37:26Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "215592910095296",
        "deviceDescriptor": {
          "serialNumber": "Q5BB-JRJE-V2DJ",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      }
    }
  }
}
```



```
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9176I"
      }
    }
  ]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
```

```
    }
  }
]
}
}

##### 2024-06-24T08:37:26Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "requestId": "215592910095296",
      "availabilityExpireTime": "2024-06-25T08:37:26Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

##### 2024-06-24T08:37:26Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
```

```
"availableSpectrumInquiryRequests": [  
  {  
    "requestId": "215592910095296",  
    "deviceDescriptor": {  
      "serialNumber": "Q5BB-JRJE-V2DJ",  
      "certificationId": [  
        {  
          "rulesetId": "US_47_CFR_PART_15_SUBPART_E",  
          "id": "UDX-600201010"  
        }  
      ]  
    },  
    "location": {  
      "ellipse": {  
        "center": {  
          "latitude": 38,  
          "longitude": -122  
        },  
        "majorAxis": 20,  
        "minorAxis": 20,  
        "orientation": 0  
      },  
      "elevation": {  
        "height": 10.0,  
        "heightType": "AGL",  
        "verticalUncertainty": 10.0  
      },  
      "indoorDeployment": 1  
    },  
    "inquiredFrequencyRange": [  
      {  
        "lowFrequency": 5945,  
        "highFrequency": 6875  
      }  
    ],  
    "inquiredChannels": [  
      {
```

```
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9176I"
        }
      }
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

2024-06-24T08:37:27Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "requestId": "215592910095296",
    }
  ]
}
```

```
"availabilityExpireTime": "2024-06-25T08:37:27Z",  
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
},  
  "version": "1.4"  
}
```

2024-06-24T08:38:29Z

```
{  
  "headers": {  
    "Host": "testserver.wfatestorg.org",  
    "User-Agent": "curl/7.68.0",  
    "Accept": "/*/*",  
    "Content-Type": "application/json",  
    "X-Forwarded-For": "158.115.159.133",  
    "X-Forwarded-Host": "testserver.wfatestorg.org",  
    "X-Forwarded-Server": "testserver.wfatestorg.org",  
    "Content-Length": "763",  
    "Connection": "Keep-Alive"  
  },  
  "body": {  
    "version": "1.4",  
    "availableSpectrumInquiryRequests": [  
      {  
        "requestId": "215592910095296",  
        "deviceDescriptor": {  
          "serialNumber": "Q5BB-JRJE-V2DJ",  
          "certificationId": [  
            {  
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",  
              "id": "UDX-600201010"  
            }  
          ]  
        }  
      ]  
    },  
    "location": {  
      "ellipse": {  
        "center": {
```

```
        "latitude": 38,
        "longitude": -122
    },
    "majorAxis": 20,
    "minorAxis": 20,
    "orientation": 0
},
"elevation": {
    "height": 10.0,
    "heightType": "AGL",
    "verticalUncertainty": 10.0
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5945,
        "highFrequency": 6875
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    }
],
"vendorExtensions": [
    {
        "extensionId": "CiscoApInfo",
        "parameters": {
            "version": "1.4",
            "PID": "CW9176I"
        }
    }
]
}
],
"vendorExtensions": [
```

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

##### 2024-06-24T08:38:29Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "requestId": "215592910095296",
      "availabilityExpireTime": "2024-06-25T08:38:29Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

##### 2024-06-24T08:38:30Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
```

```
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "763",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "215592910095296",
      "deviceDescriptor": {
        "serialNumber": "Q5BB-JRJE-V2DJ",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-600201010"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
```



```
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9176I"
        }
      }
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
```

2024-06-24T08:38:30Z

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

```
"response": {
  "responseCode": 0,
  "shortDescription": "SUCCESS"
},
"availableFrequencyInfo": [],
"requestId": "215592910095296",
"availabilityExpireTime": "2024-06-25T08:38:30Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2024-06-24T08:39:29Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "215592910095296",
        "deviceDescriptor": {
          "serialNumber": "Q5BB-JRJE-V2DJ",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        }
      }
    ]
  }
}
```

```
    }
  ]
},
"location": {
  "ellipse": {
    "center": {
      "latitude": 38,
      "longitude": -122
    },
    "majorAxis": 20,
    "minorAxis": 20,
    "orientation": 0
  },
  "elevation": {
    "height": 10.0,
    "heightType": "AGL",
    "verticalUncertainty": 10.0
  },
  "indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5945,
    "highFrequency": 6875
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoApInfo",
    "parameters": {
      "version": "1.4",
      "PID": "CW9176I"
    }
  }
]
```

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

##### 2024-06-24T08:39:29Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "requestId": "215592910095296",
      "availabilityExpireTime": "2024-06-25T08:39:29Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

##### 2024-06-24T08:39:30Z #####
{
```

```
"headers": {
  "Host": "testserver.wfatestorg.org",
  "Accept": "*/*",
  "Content-Type": "application/json",
  "X-Forwarded-For": "158.115.159.133",
  "X-Forwarded-Host": "testserver.wfatestorg.org",
  "X-Forwarded-Server": "testserver.wfatestorg.org",
  "Content-Length": "763",
  "Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "215592910095296",
      "deviceDescriptor": {
        "serialNumber": "Q5BB-JRJE-V2DJ",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-600201010"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
```

```
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9176I"
        }
      }
    ]
  },
  "vendorExtensions": [
    {
      "extensionId": "CiscoInfo",
      "parameters": {
        "version": "1.4",
        "source": "Cloud",
        "identity": 1003
      }
    }
  ]
}
```



```
}

##### 2024-06-24T08:39:30Z #####

{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "requestId": "215592910095296",
      "availabilityExpireTime": "2024-06-25T08:39:30Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}
```

CT_AFC_SP_AP_AFCDSAU33_Frequency_10616_1

2024-06-25T01:32:33Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "215592910095296",
        "deviceDescriptor": {
          "serialNumber": "Q5BB-JRJE-V2DJ",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      }
    }
  }
}
```



```
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9176I"
      }
    }
  ]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
```

```
    }
  }
]
}
}

##### 2024-06-25T01:32:33Z #####

{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 20.15713661744692
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 18.119755374837013
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 20.36228853554715
        },
        {

```

```
        "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
        },
        "maxPsd": 12.618880139432479
    },
    {
        "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
        },
        "maxPsd": 11.30976035191975
    },
    {
        "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
        },
        "maxPsd": 21.241795978418946
    },
    {
        "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
        },
        "maxPsd": 17.90442717453445
    },
    {
        "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
        },
        "maxPsd": 18.862599978123058
    }
],
"requestId": "215592910095296",
"availabilityExpireTime": "2024-06-26T01:32:33Z",
```

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

##### 2024-06-25T01:32:34Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "/*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "215592910095296",
        "deviceDescriptor": {
          "serialNumber": "Q5BB-JRJE-V2DJ",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        }
      ]
    },
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        }
      }
    }
  }
}
```

```
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
    },
    "elevation": {
        "height": 10.0,
        "heightType": "AGL",
        "verticalUncertainty": 10.0
    },
    "indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5945,
        "highFrequency": 6875
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    }
],
"vendorExtensions": [
    {
        "extensionId": "CiscoApInfo",
        "parameters": {
            "version": "1.4",
            "PID": "CW9176I"
        }
    }
]
},
"vendorExtensions": [
    {
        "extensionId": "CiscoInfo",
```

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

##### 2024-06-25T01:32:34Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 20.15713661744692
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 18.119755374837013
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          }
        }
      ]
    }
  ]
}
```

```
    },
    "maxPsd": 20.36228853554715
  },
  {
    "frequencyRange": {
      "highFrequency": 6025,
      "lowFrequency": 6005
    },
    "maxPsd": 12.618880139432479
  },
  {
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 11.30976035191975
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 21.241795978418946
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 17.90442717453445
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 18.862599978123058
  }
```

```
    }
  ],
  "requestId": "215592910095296",
  "availabilityExpireTime": "2024-06-26T01:32:34Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2024-06-25T01:33:31Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "215592910095296",
        "deviceDescriptor": {
          "serialNumber": "Q5BB-JRJE-V2DJ",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        }
      ]
    },
  },
}
```



```
"location": {
  "ellipse": {
    "center": {
      "latitude": 38,
      "longitude": -122
    },
    "majorAxis": 20,
    "minorAxis": 20,
    "orientation": 0
  },
  "elevation": {
    "height": 10.0,
    "heightType": "AGL",
    "verticalUncertainty": 10.0
  },
  "indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5945,
    "highFrequency": 6875
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoApInfo",
    "parameters": {
      "version": "1.4",
      "PID": "CW9176I"
    }
  }
]
```

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

##### 2024-06-25T01:33:31Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 20.15713661744692
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 18.119755374837013
        }
      ]
    }
  ]
}
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 20.36228853554715
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 12.618880139432479
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 11.30976035191975
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 21.241795978418946
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 17.90442717453445
},
{

```

```
        "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
        },
        "maxPsd": 18.862599978123058
    }
],
"requestId": "215592910095296",
"availabilityExpireTime": "2024-06-26T01:33:31Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2024-06-25T01:33:32Z

```
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "158.115.159.133",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "763",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "215592910095296",
                "deviceDescriptor": {
                    "serialNumber": "Q5BB-JRJE-V2DJ",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",

```

```
        "id": "UDX-600201010"
      }
    ]
  },
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
```

```
        "PID": "CW9176I"
      }
    }
  ]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

2024-06-25T01:33:32Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 20.15713661744692
        },
        {
          "frequencyRange": {
```

```
        "highFrequency": 5985,
        "lowFrequency": 5965
    },
    "maxPsd": 18.119755374837013
},
{
    "frequencyRange": {
        "highFrequency": 6005,
        "lowFrequency": 5985
    },
    "maxPsd": 20.36228853554715
},
{
    "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
    },
    "maxPsd": 12.618880139432479
},
{
    "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
    },
    "maxPsd": 11.30976035191975
},
{
    "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
    },
    "maxPsd": 21.241795978418946
},
{
    "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
```

```
    },
    "maxPsd": 17.90442717453445
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 18.862599978123058
  }
],
"requestId": "215592910095296",
"availabilityExpireTime": "2024-06-26T01:33:32Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2024-06-25T01:43:31Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "215592910095296",
```



```
"deviceDescriptor": {
  "serialNumber": "Q5BB-JRJE-V2DJ",
  "certificationId": [
    {
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
      "id": "UDX-600201010"
    }
  ]
},
"location": {
  "ellipse": {
    "center": {
      "latitude": 38,
      "longitude": -122
    },
    "majorAxis": 20,
    "minorAxis": 20,
    "orientation": 0
  },
  "elevation": {
    "height": 10.0,
    "heightType": "AGL",
    "verticalUncertainty": 10.0
  },
  "indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5945,
    "highFrequency": 6875
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
],
```

```
"vendorExtensions": [  
  {  
    "extensionId": "CiscoApInfo",  
    "parameters": {  
      "version": "1.4",  
      "PID": "CW9176I"  
    }  
  }  
]  
},  
"vendorExtensions": [  
  {  
    "extensionId": "CiscoInfo",  
    "parameters": {  
      "version": "1.4",  
      "source": "Cloud",  
      "identity": 1003  
    }  
  }  
]  
}  
}
```

CT_AFC_SP_AP_AFCDUAU34_Frequency_10617_1

2024-06-25T01:46:29Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "215592910095296",
        "deviceDescriptor": {
          "serialNumber": "Q5BB-JRJE-V2DJ",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      }
    }
  }
}
```

```
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9176I"
      }
    }
  ]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
```

```
    }
  }
]
}
}

##### 2024-06-25T01:46:30Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "availableChannelInfo": [],
      "requestId": "215592910095296",
      "availabilityExpireTime": "2024-06-26T01:46:29Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

##### 2024-06-25T01:46:30Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
```

```
"version": "1.4",
"availableSpectrumInquiryRequests": [
  {
    "requestId": "215592910095296",
    "deviceDescriptor": {
      "serialNumber": "Q5BB-JRJE-V2DJ",
      "certificationId": [
        {
          "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
          "id": "UDX-600201010"
        }
      ]
    },
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      },
      "elevation": {
        "height": 10.0,
        "heightType": "AGL",
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
```

```
{
  "globalOperatingClass": 131
},
"vendorExtensions": [
  {
    "extensionId": "CiscoApInfo",
    "parameters": {
      "version": "1.4",
      "PID": "CW9176I"
    }
  }
]
},
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
```

2024-06-25T01:46:30Z

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

```
"availableChannelInfo": [],  
  "requestId": "215592910095296",  
  "availabilityExpireTime": "2024-06-26T01:46:30Z",  
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
},  
  "version": "1.4"  
}
```

2024-06-25T01:50:39Z

```
{  
  "headers": {  
    "Host": "testserver.wfatestorg.org",  
    "User-Agent": "curl/7.68.0",  
    "Accept": "/*/*",  
    "Content-Type": "application/json",  
    "X-Forwarded-For": "158.115.159.133",  
    "X-Forwarded-Host": "testserver.wfatestorg.org",  
    "X-Forwarded-Server": "testserver.wfatestorg.org",  
    "Content-Length": "763",  
    "Connection": "Keep-Alive"  
  },  
  "body": {  
    "version": "1.4",  
    "availableSpectrumInquiryRequests": [  
      {  
        "requestId": "215592910095296",  
        "deviceDescriptor": {  
          "serialNumber": "Q5BB-JRJE-V2DJ",  
          "certificationId": [  
            {  
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",  
              "id": "UDX-600201010"  
            }  
          ]  
        }  
      ]  
    },  
    "location": {
```



```
"ellipse": {
  "center": {
    "latitude": 38,
    "longitude": -122
  },
  "majorAxis": 20,
  "minorAxis": 20,
  "orientation": 0
},
"elevation": {
  "height": 10.0,
  "heightType": "AGL",
  "verticalUncertainty": 10.0
},
"indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5945,
    "highFrequency": 6875
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoApInfo",
    "parameters": {
      "version": "1.4",
      "PID": "CW9176I"
    }
  }
]
}
```

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

##### 2024-06-25T01:50:39Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 23
        }
      ]
    }
  ]
}
```

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

```
        "highFrequency": 6105,
        "lowFrequency": 6085
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6125,
        "lowFrequency": 6105
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
```

```
    },  
    "maxPsd": 23  
  },  
  {  
    "frequencyRange": {  
      "highFrequency": 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
    }
  ]
}
```



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

```
{
  "frequencyRange": {
    "highFrequency": 6865,
    "lowFrequency": 6845
  },
  "maxPsd": 23
}
],
"requestId": "215592910095296",
"availabilityExpireTime": "2024-06-26T01:50:39Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2024-06-25T01:50:40Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "215592910095296",
        "deviceDescriptor": {
          "serialNumber": "Q5BB-JRJE-V2DJ",
          "certificationId": [
            {

```

```
        "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
        "id": "UDX-600201010"
    }
]
},
"location": {
    "ellipse": {
        "center": {
            "latitude": 38,
            "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
    },
    "elevation": {
        "height": 10.0,
        "heightType": "AGL",
        "verticalUncertainty": 10.0
    },
    "indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5945,
        "highFrequency": 6875
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131
    }
],
"vendorExtensions": [
    {
        "extensionId": "CiscoApInfo",
        "parameters": {
```

```
        "version": "1.4",
        "PID": "CW9176I"
      }
    }
  ]
}
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

2024-06-25T01:50:40Z

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

```

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

```
        "lowFrequency": 6065
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6125,
        "lowFrequency": 6105
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
    },
```

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

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



```
        "highFrequency": 6425,  
        "lowFrequency": 6405  
    },  
    "maxPsd": 23  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6545,  
        "lowFrequency": 6525  
    },  
    "maxPsd": 23  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6565,  
        "lowFrequency": 6545  
    },  
    "maxPsd": 23  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6585,  
        "lowFrequency": 6565  
    },  
    "maxPsd": 23  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6605,  
        "lowFrequency": 6585  
    },  
    "maxPsd": 23  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6625,  
        "lowFrequency": 6605
```

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

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

```
        "frequencyRange": {
            "highFrequency": 6845,
            "lowFrequency": 6825
        },
        "maxPsd": 23
    },
    {
        "frequencyRange": {
            "highFrequency": 6865,
            "lowFrequency": 6845
        },
        "maxPsd": 23
    }
],
"requestId": "215592910095296",
"availabilityExpireTime": "2024-06-26T01:50:40Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2024-06-25T02:00:29Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "curl/7.68.0",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "158.115.159.133",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "763",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
```

```
"availableSpectrumInquiryRequests": [
  {
    "requestId": "215592910095296",
    "deviceDescriptor": {
      "serialNumber": "Q5BB-JRJE-V2DJ",
      "certificationId": [
        {
          "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
          "id": "UDX-600201010"
        }
      ]
    },
    "location": {
      "ellipse": {
        "center": {
          "latitude": 38,
          "longitude": -122
        },
        "majorAxis": 20,
        "minorAxis": 20,
        "orientation": 0
      },
      "elevation": {
        "height": 10.0,
        "heightType": "AGL",
        "verticalUncertainty": 10.0
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
```

```
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9176I"
        }
      }
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

2024-06-25T02:00:30Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "requestId": "215592910095296",
    }
  ]
}
```

```
"availabilityExpireTime": "2024-06-26T02:00:29Z",  
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
},  
  "version": "1.4"  
}
```

2024-06-25T02:00:30Z

```
{  
  "headers": {  
    "Host": "testserver.wfatestorg.org",  
    "Accept": "*/*",  
    "Content-Type": "application/json",  
    "X-Forwarded-For": "158.115.159.133",  
    "X-Forwarded-Host": "testserver.wfatestorg.org",  
    "X-Forwarded-Server": "testserver.wfatestorg.org",  
    "Content-Length": "763",  
    "Connection": "Keep-Alive"  
  },  
  "body": {  
    "version": "1.4",  
    "availableSpectrumInquiryRequests": [  
      {  
        "requestId": "215592910095296",  
        "deviceDescriptor": {  
          "serialNumber": "Q5BB-JRJE-V2DJ",  
          "certificationId": [  
            {  
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",  
              "id": "UDX-600201010"  
            }  
          ]  
        }  
      ]  
    },  
    "location": {  
      "ellipse": {  
        "center": {  
          "latitude": 38,
```

```
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9176I"
      }
    }
  ]
},
"vendorExtensions": [
  {
```



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

##### 2024-06-25T02:00:30Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "requestId": "215592910095296",
      "availabilityExpireTime": "2024-06-26T02:00:30Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

##### 2024-06-25T02:02:29Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "curl/7.68.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
```

```
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "763",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "215592910095296",
      "deviceDescriptor": {
        "serialNumber": "Q5BB-JRJE-V2DJ",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-600201010"
          }
        ]
      }
    },
    {
      "location": {
        "ellipse": {
          "center": {
            "latitude": 38,
            "longitude": -122
          },
          "majorAxis": 20,
          "minorAxis": 20,
          "orientation": 0
        },
        "elevation": {
          "height": 10.0,
          "heightType": "AGL",
          "verticalUncertainty": 10.0
        },
        "indoorDeployment": 1
      },
      "inquiredFrequencyRange": [
        {
```

```
        "lowFrequency": 5945,
        "highFrequency": 6875
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      }
    ],
    "vendorExtensions": [
      {
        "extensionId": "CiscoApInfo",
        "parameters": {
          "version": "1.4",
          "PID": "CW9176I"
        }
      }
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "CiscoInfo",
    "parameters": {
      "version": "1.4",
      "source": "Cloud",
      "identity": 1003
    }
  }
]
}
}
```

2024-06-25T02:02:29Z

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

```
"response": {
  "responseCode": 0,
  "shortDescription": "SUCCESS"
},
"availableFrequencyInfo": [],
"requestId": "215592910095296",
"availabilityExpireTime": "2024-06-26T02:02:29Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2024-06-25T02:02:30Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "158.115.159.133",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "763",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "215592910095296",
        "deviceDescriptor": {
          "serialNumber": "Q5BB-JRJE-V2DJ",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        }
      }
    ]
  }
}
```

```
    ]
  },
  "location": {
    "ellipse": {
      "center": {
        "latitude": 38,
        "longitude": -122
      },
      "majorAxis": 20,
      "minorAxis": 20,
      "orientation": 0
    },
    "elevation": {
      "height": 10.0,
      "heightType": "AGL",
      "verticalUncertainty": 10.0
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "CiscoApInfo",
      "parameters": {
        "version": "1.4",
        "PID": "CW9176I"
      }
    }
  ]
}
```

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

##### 2024-06-25T02:02:30Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "requestId": "215592910095296",
      "availabilityExpireTime": "2024-06-26T02:02:30Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}
```

AFC capability - Inquired Channel

CT_AFC_SP_AP_AFCDRSA31_Channel_20MHz_10618_1

2024-08-03T21:35:07Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Accept-Encoding": "deflate, gzip",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.100.100.254",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1798",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "17789456463640061697",
        "deviceDescriptor": {
          "serialNumber": "WNT281301YG",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -121.91889,
              "latitude": 37.416858
            },
            "majorAxis": 25,
            "minorAxis": 25,

```

```
        "orientation": 0.0
      },
      "elevation": {
        "height": 12,
        "heightType": "AGL",
        "verticalUncertainty": 5
      },
      "indoorDeployment": 1
    },
    "inquiredChannels": [
      {
        "globalOperatingClass": 131,
        "channelCfi": [
          1,
          5,
          9,
          13,
          17,
          21,
          25,
          29,
          33,
          37,
          41,
          45,
          49,
          53,
          57,
          61,
          65,
          69,
          73,
          77,
          81,
          85,
          89,
          93,
```




```
97,  
101,  
105,  
109,  
113,  
117,  
121,  
125,  
129,  
133,  
137,  
141,  
145,  
149,  
153,  
157,  
161,  
165,  
169,  
173,  
177,  
181,  
185,  
189,  
193,  
197,  
201,  
205,  
209,  
213,  
217,  
221,  
225,  
229,  
233  
]  
,
```

```
{
  "globalOperatingClass": 132,
  "channelCfi": [
    3,
    11,
    19,
    27,
    35,
    43,
    51,
    59,
    67,
    75,
    83,
    91,
    99,
    107,
    115,
    123,
    131,
    139,
    147,
    155,
    163,
    171,
    179,
    187,
    195,
    203,
    211,
    219,
    227
  ]
},
{
  "globalOperatingClass": 133,
  "channelCfi": [
```

```
        7,  
        23,  
        39,  
        55,  
        71,  
        87,  
        103,  
        119,  
        135,  
        151,  
        167,  
        183,  
        199,  
        215  
    ]  
},  
{  
    "globalOperatingClass": 134,  
    "channelCfi": [  
        15,  
        47,  
        79,  
        111,  
        143,  
        175,  
        207  
    ]  
},  
{  
    "globalOperatingClass": 137,  
    "channelCfi": [  
        31,  
        63  
    ]  
}  
],  
"vendorExtensions": [
```

```
{
  "extensionId": "APInfo",
  "parameters": {
    "version": "v1",
    "PID": "CW9176D1",
    "countryCode": "US",
    "VID": "01"
  }
}
],
"vendorExtensions": [
  {
    "extensionId": "XEControllerInfo",
    "parameters": {
      "version": "v1",
      "extendedDebugEnable": "False",
      "chassisInfo": [
        {
          "role": "active",
          "PID": "C9800-L-C-K9",
          "SN": "FCL2649004F",
          "WLC-Version": "17.16.01"
        }
      ],
      "licenseInfo": {
        "licensingType": "air-dna-advantage",
        "count": 1,
        "lastRumAckReceived": "<none>",
        "countAPsRequiringAFC": 1
      }
    }
  }
]
}
```



2024-08-03T21:35:07Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
          "channelCfi": [
            49,
            53,
            57,
            61,
            81,
            85,
            89,
            93,
            145,
            149,
            153,
            157,
            161,
            165,
            169,
            173
          ],
          "globalOperatingClass": 131,
          "maxEirp": [
            32.2,
            32.4,
            29.0,
            34.4,
            23.5,
            29.7,
```

```
        26.1,  
        30.6,  
        29.6,  
        21.5,  
        29.5,  
        29.2,  
        34.7,  
        29.4,  
        34.4,  
        29.9  
    ]  
},  
{  
    "channelCfi": [  
        51,  
        59,  
        83,  
        91,  
        147,  
        155,  
        163,  
        171  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        35.2,  
        32.0,  
        26.5,  
        29.1,  
        24.5,  
        32.2,  
        32.4,  
        32.9  
    ]  
},  
{  
    "channelCfi": [  

```

```
        55,  
        87,  
        151,  
        167  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
        35.0,  
        29.5,  
        27.5,  
        35.4  
    ]  
}  
],  
"requestId": "17789456463640061697",  
"availabilityExpireTime": "2024-08-04T21:35:07Z",  
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```

2024-08-03T21:36:02Z

```
{  
  "headers": {  
    "Host": "testserver.wfatestorg.org",  
    "Accept": "*/*",  
    "Accept-Encoding": "deflate, gzip",  
    "Content-Type": "application/json",  
    "X-Forwarded-For": "192.100.100.254",  
    "X-Forwarded-Host": "testserver.wfatestorg.org",  
    "X-Forwarded-Server": "testserver.wfatestorg.org",  
    "Content-Length": "1798",  
    "Connection": "Keep-Alive"  
  },  
  "body": {  
    "version": "1.4",  

```

```
"availableSpectrumInquiryRequests": [  
  {  
    "requestId": "17789456463640061698",  
    "deviceDescriptor": {  
      "serialNumber": "WNT281301YG",  
      "certificationId": [  
        {  
          "rulesetId": "US_47_CFR_PART_15_SUBPART_E",  
          "id": "UDX-600201010"  
        }  
      ]  
    },  
    "location": {  
      "ellipse": {  
        "center": {  
          "longitude": -121.91889,  
          "latitude": 37.416858  
        },  
        "majorAxis": 25,  
        "minorAxis": 25,  
        "orientation": 0.0  
      },  
      "elevation": {  
        "height": 12,  
        "heightType": "AGL",  
        "verticalUncertainty": 5  
      },  
      "indoorDeployment": 1  
    },  
    "inquiredChannels": [  
      {  
        "globalOperatingClass": 131,  
        "channelCfi": [  
          1,  
          5,  
          9,  
          13,  
          17,  
          21,  
          25,  
          29,  
          33,  
          37,  
          41,  
          45,  
          49,  
          53,  
          57,  
          61,  
          65,  
          69,  
          73,  
          77,  
          81,  
          85,  
          89,  
          93,  
          97,  
          101,  
          105,  
          109,  
          113,  
          117,  
          121,  
          125,  
          129,  
          133,  
          137,  
          141,  
          145,  
          149,  
          153,  
          157,  
          161,  
          165,  
          169,  
          173,  
          177,  
          181,  
          185,  
          189,  
          193,  
          197,  
          201,  
          205,  
          209,  
          213,  
          217,  
          221,  
          225,  
          229,  
          233,  
          237,  
          241,  
          245,  
          249,  
          253,  
          257,  
          261,  
          265,  
          269,  
          273,  
          277,  
          281,  
          285,  
          289,  
          293,  
          297,  
          301,  
          305,  
          309,  
          313,  
          317,  
          321,  
          325,  
          329,  
          333,  
          337,  
          341,  
          345,  
          349,  
          353,  
          357,  
          361,  
          365,  
          369,  
          373,  
          377,  
          381,  
          385,  
          389,  
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          401,  
          405,  
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          413,  
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          421,  
          425,  
          429,  
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          437,  
          441,  
          445,  
          449,  
          453,  
          457,  
          461,  
          465,  
          469,  
          473,  
          477,  
          481,  
          485,  
          489,  
          493,  
          497,  
          501,  
          505,  
          509,  
          513,  
          517,  
          521,  
          525,  
          529,  
          533,  
          537,  
          541,  
          545,  
          549,  
          553,  
          557,  
          561,  
          565,  
          569,  
          573,  
          577,  
          581,  
          585,  
          589,  
          593,  
          597,  
          601,  
          605,  
          609,  
          613,  
          617,  
          621,  
          625,  
          629,  
          633,  
          637,  
          641,  
          645,  
          649,  
          653,  
          657,  
          661,  
          665,  
          669,  
          673,  
          677,  
          681,  
          685,  
          689,  
          693,  
          697,  
          701,  
          705,  
          709,  
          713,  
          717,  
          721,  
          725,  
          729,  
          733,  
          737,  
          741,  
          745,  
          749,  
          753,  
          757,  
          761,  
          765,  
          769,  
          773,  
          777,  
          781,  
          785,  
          789,  
          793,  
          797,  
          801,  
          805,  
          809,  
          813,  
          817,  
          821,  
          825,  
          829,  
          833,  
          837,  
          841,  
          845,  
          849,  
          853,  
          857,  
          861,  
          865,  
          869,  
          873,  
          877,  
          881,  
          885,  
          889,  
          893,  
          897,  
          901,  
          905,  
          909,  
          913,  
          917,  
          921,  
          925,  
          929,  
          933,  
          937,  
          941,  
          945,  
          949,  
          953,  
          957,  
          961,  
          965,  
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          977,  
          981,  
          985,  
          989,  
          993,  
          997,  
          1001,  
          1005,  
          1009,  
          1013,  
          1017,  
          1021,  
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          1029,  
          1033,  
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          1049,  
          1053,  
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          1065,  
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          1081,  
          1085,  
          1089,  
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          1101,  
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          1109,  
          1113,  
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          1121,  
          1125,  
          1129,  
          1133,  
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          1149,  
          1153,  
          1157,  
          1161,  
          1165,  
          1169,  
          1173,  
          1177,  
          1181,  
          1185,  
          1189,  
          1193,  
          1197,  
          1201,  
          1205,  
          1209,  
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          1217,  
          1221,  
          1225,  
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          1237,  
          1241,  
          1245,  
          1249,  
          1253,  
          1257,  
          1261,  
          1265,  
          1269,  
          1273,  
          1277,  
          1281,  
          1285,  
          1289,  
          1293,  
          1297,  
          1301,  
          1305,  
          1309,  
          1313,  
          1317,  
          1321,  
          1325,  
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          1333,  
          1337,  
          1341,  
          1345,  
          1349,  
          1353,  
          1357,  
          1361,  
          1365,  
          1369,  
          1373,  
          1377,  
          1381,  
          1385,  
          1389,  
          1393,  
          1397,  
          1401,  
          1405,  
          1409,  
          1413,  
          1417,  
          1421,  
          1425,  
          1429,  
          1433,  
          1437,  
          1441,  
          1445,  
          1449,  
          1453,  
          1457,  
          1461,  
          1465,  
          1469,  
          1473,  
          1477,  
          1481,  
          1485,  
          1489,  
          1493,  
          1497,  
          1501,  
          1505,  
          1509,  
          1513,  
          1517,  
          1521,  
          1525,  
          1529,  
          1533,  
          1537,  
          1541,  
          1545,  
          1549,  
          1553,  
          1557,  
          1561,  
          1565,  
          1569,  
          1573,  
          1577,  
          1581,  
          1585,  
          1589,  
          1593,  
          1597,  
          1601,  
          1605,  
          1609,  
          1613,  
          1617,  
          1621,  
          1625,  
          1629,  
          1633,  
          1637,  
          1641,  
          1645,  
          1649,  
          1653,  
          1657,  
          1661,  
          1665,  
          1669,  
          1673,  
          1677,  
          1681,  
          1685,  
          1689,  
          1693,  
          1697,  
          1701,  
          1705,  
          1709,  
          1713,  
          1717,  
          1721,  
          1725,  
          1729,  
          1733,  
          1737,  
          1741,  
          1745,  
          1749,  
          1753,  
          1757,  
          1761,  
          1765,  
          1769,  
          1773,  
          1777,  
          1781,  
          1785,  
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          1793,  
          1797,  
          1801,  
          1805,  
          1809,  
          1813,  
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            "VID": "01"
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2024-08-03T21:36:03Z

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"version": "1.4"  
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##### 2024-08-03T21:40:58Z #####
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  "headers": {  
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    "Accept": "*/*",  
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    "Content-Type": "application/json",  
    "X-Forwarded-For": "192.100.100.254",  
    "X-Forwarded-Host": "testserver.wfatestorg.org",  
    "X-Forwarded-Server": "testserver.wfatestorg.org",  
    "Content-Length": "1799",  
    "Connection": "Keep-Alive"  
  },  
  "body": {  
    "version": "1.4",  
    "availableSpectrumInquiryRequests": [  
      {  
        "requestId": "17789456463640061699",  
        "deviceDescriptor": {  
          "serialNumber": "WNT281301YG",  
          "certificationId": [  
            {  
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",  
              "id": "UDX-600201010"  
            }  
          ]  
        }  
      ],  
      {  
        "location": {  
          "ellipse": {  
            "center": {  
              "longitude": -121.91889,  
              "latitude": 37.416858
```



```
    },
    "majorAxis": 25,
    "minorAxis": 25,
    "orientation": 0.0
  },
  "elevation": {
    "height": 13,
    "heightType": "AGL",
    "verticalUncertainty": 5
  },
  "indoorDeployment": 1
},
"inquiredChannels": [
  {
    "globalOperatingClass": 131,
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
```



85,
89,
93,
97,
101,
105,
109,
113,
117,
121,
125,
129,
133,
137,
141,
145,
149,
153,
157,
161,
165,
169,
173,
177,
181,
185,
189,
193,
197,
201,
205,
209,
213,
217,
221,
225,
229,

```
                233
            ]
        },
        {
            "globalOperatingClass": 132,
            "channelCfi": [
                3,
                11,
                19,
                27,
                35,
                43,
                51,
                59,
                67,
                75,
                83,
                91,
                99,
                107,
                115,
                123,
                131,
                139,
                147,
                155,
                163,
                171,
                179,
                187,
                195,
                203,
                211,
                219,
                227
            ]
        }
    ],
}
```

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

```
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "APInfo",
      "parameters": {
        "version": "v1",
        "PID": "CW9176D1",
        "countryCode": "US ",
        "VID": "01"
      }
    }
  ]
}
],
"vendorExtensions": [
  {
    "extensionId": "XEControllerInfo",
    "parameters": {
      "version": "v1",
      "extendedDebugEnable": "False",
      "chassisInfo": [
        {
          "role": "active",
          "PID": "C9800-L-C-K9",
          "SN": "FCL2649004F",
          "WLC-Version": "17.16.01"
        }
      ],
      "licenseInfo": {
        "licensingType": "air-dna-advantage",
        "count": 1,
        "lastRumAckReceived": "<none>",
        "countAPsRequiringAFC": 1
      }
    }
  }
]
```



```
]
}
}

##### 2024-08-03T21:40:59Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
          "channelCfi": [
            1,
            5,
            9,
            13,
            17,
            21,
            25,
            29,
            33,
            37,
            41,
            45,
            65,
            69,
            73,
            77,
            129,
            133,
            137,
            141
          ],
          "globalOperatingClass": 131,

```

```
"maxEirp": [  
    27.5,  
    32.8,  
    26.5,  
    23.8,  
    34.6,  
    27.3,  
    23.9,  
    23.9,  
    24.8,  
    26.8,  
    29.6,  
    22.4,  
    28.2,  
    23.8,  
    23.9,  
    24.3,  
    22.1,  
    32.4,  
    23.0,  
    27.0  
]  
,  
{  
    "channelCfi": [  
        3,  
        11,  
        19,  
        27,  
        35,  
        43,  
        67,  
        75,  
        131,  
        139  
    ],  
    "globalOperatingClass": 132,
```

```
"maxEirp": [  
    30.5,  
    26.8,  
    30.3,  
    26.9,  
    27.8,  
    25.4,  
    26.8,  
    26.9,  
    25.1,  
    26.0  
]  
,  
{  
    "channelCfi": [  
        7,  
        23,  
        39,  
        71,  
        135  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
        29.8,  
        29.9,  
        28.4,  
        29.8,  
        28.1  
    ]  
},  
{  
    "channelCfi": [  
        15  
    ],  
    "globalOperatingClass": 134,  
    "maxEirp": [  
        32.8
```




```
    ]
  }
],
  "requestId": "17789456463640061699",
  "availabilityExpireTime": "2024-08-04T21:40:59Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

CT_AFC_SP_AP_AFCDSA31_Channel_40MHz_10619_1

2024-08-03T21:50:15Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Accept-Encoding": "deflate, gzip",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.100.100.254",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1798",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "17789456463640061700",
        "deviceDescriptor": {
          "serialNumber": "WNT281301YG",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "longitude": -121.91889,
          "latitude": 37.416858
        },
        "majorAxis": 25,
        "minorAxis": 25,
        "orientation": 0.0
      }
    }
  }
}
```

```
    },
    "elevation": {
      "height": 14,
      "heightType": "AGL",
      "verticalUncertainty": 5
    },
    "indoorDeployment": 1
  },
  "inquiredChannels": [
    {
      "globalOperatingClass": 131,
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        97,
```



```
101,  
105,  
109,  
113,  
117,  
121,  
125,  
129,  
133,  
137,  
141,  
145,  
149,  
153,  
157,  
161,  
165,  
169,  
173,  
177,  
181,  
185,  
189,  
193,  
197,  
201,  
205,  
209,  
213,  
217,  
221,  
225,  
229,  
233  
]  
,  
{
```

```
"globalOperatingClass": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    99,  
    107,  
    115,  
    123,  
    131,  
    139,  
    147,  
    155,  
    163,  
    171,  
    179,  
    187,  
    195,  
    203,  
    211,  
    219,  
    227  
  ]  
,  
{  
  "globalOperatingClass": 133,  
  "channelCfi": [  
    7,
```

```
        23,  
        39,  
        55,  
        71,  
        87,  
        103,  
        119,  
        135,  
        151,  
        167,  
        183,  
        199,  
        215  
    ]  
},  
{  
    "globalOperatingClass": 134,  
    "channelCfi": [  
        15,  
        47,  
        79,  
        111,  
        143,  
        175,  
        207  
    ]  
},  
{  
    "globalOperatingClass": 137,  
    "channelCfi": [  
        31,  
        63  
    ]  
}  
],  
"vendorExtensions": [  
    {
```

```
        "extensionId": "APInfo",
        "parameters": {
            "version": "v1",
            "PID": "CW9176D1",
            "countryCode": "US",
            "VID": "01"
        }
    }
]
},
"vendorExtensions": [
    {
        "extensionId": "XEControllerInfo",
        "parameters": {
            "version": "v1",
            "extendedDebugEnable": "False",
            "chassisInfo": [
                {
                    "role": "active",
                    "PID": "C9800-L-C-K9",
                    "SN": "FCL2649004F",
                    "WLC-Version": "17.16.01"
                }
            ],
            "licenseInfo": {
                "licensingType": "air-dna-advantage",
                "count": 1,
                "lastRumAckReceived": "<none>",
                "countAPsRequiringAFC": 1
            }
        }
    }
]
}
```



2024-08-03T21:50:15Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
          "channelCfi": [
            17,
            21,
            25,
            29,
            65,
            69,
            73,
            77,
            81,
            85,
            89,
            93,
            161,
            165,
            169,
            173
          ],
          "globalOperatingClass": 131,
          "maxEirp": [
            22.3,
            34.5,
            31.8,
            27.6,
            30.7,
            31.9,
            33.3,
```



```
        26.8,  
        31.3,  
        26.2,  
        21.1,  
        23.8,  
        25.8,  
        34.2,  
        31.6,  
        21.3  
    ]  
},  
{  
    "channelCfi": [  
        19,  
        27,  
        67,  
        75,  
        83,  
        91,  
        163,  
        171  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        25.3,  
        30.6,  
        33.7,  
        29.8,  
        29.2,  
        24.1,  
        28.8,  
        24.3  
    ]  
},  
{  
    "channelCfi": [  
        23,
```

```
        71,  
        87,  
        167  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
        28.3,  
        32.8,  
        27.1,  
        27.3  
    ]  
},  
{  
    "channelCfi": [  
        79  
    ],  
    "globalOperatingClass": 134,  
    "maxEirp": [  
        30.1  
    ]  
}  
],  
"requestId": "17789456463640061700",  
"availabilityExpireTime": "2024-08-04T21:50:15Z",  
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```

2024-08-03T21:55:15Z

```
{  
    "headers": {  
        "Host": "testserver.wfatestorg.org",  
        "Accept": "*/*",  
        "Accept-Encoding": "deflate, gzip",  
        "Content-Type": "application/json",
```

```
"X-Forwarded-For": "192.100.100.254",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "1799",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "17789456463640061701",
      "deviceDescriptor": {
        "serialNumber": "WNT281301YG",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-600201010"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "longitude": -121.91889,
        "latitude": 37.416858
      },
      "majorAxis": 25,
      "minorAxis": 25,
      "orientation": 0.0
    },
    "elevation": {
      "height": 15,
      "heightType": "AGL",
      "verticalUncertainty": 5
    },
    "indoorDeployment": 1
  }
},
```

```
"inquiredChannels": [  
  {  
    "globalOperatingClass": 131,  
    "channelCfi": [  
      1,  
      5,  
      9,  
      13,  
      17,  
      21,  
      25,  
      29,  
      33,  
      37,  
      41,  
      45,  
      49,  
      53,  
      57,  
      61,  
      65,  
      69,  
      73,  
      77,  
      81,  
      85,  
      89,  
      93,  
      97,  
      101,  
      105,  
      109,  
      113,  
      117,  
      121,  
      125,  
      129,
```

```
133,  
137,  
141,  
145,  
149,  
153,  
157,  
161,  
165,  
169,  
173,  
177,  
181,  
185,  
189,  
193,  
197,  
201,  
205,  
209,  
213,  
217,  
221,  
225,  
229,  
233  
]  
,  
{  
  "globalOperatingClass": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,
```

```
51,  
59,  
67,  
75,  
83,  
91,  
99,  
107,  
115,  
123,  
131,  
139,  
147,  
155,  
163,  
171,  
179,  
187,  
195,  
203,  
211,  
219,  
227  
]  
,  
{  
  "globalOperatingClass": 133,  
  "channelCfi": [  
    7,  
    23,  
    39,  
    55,  
    71,  
    87,  
    103,  
    119,  
    135,
```

```
        151,
        167,
        183,
        199,
        215
    ]
},
{
    "globalOperatingClass": 134,
    "channelCfi": [
        15,
        47,
        79,
        111,
        143,
        175,
        207
    ]
},
{
    "globalOperatingClass": 137,
    "channelCfi": [
        31,
        63
    ]
}
],
"vendorExtensions": [
    {
        "extensionId": "APInfo",
        "parameters": {
            "version": "v1",
            "PID": "CW9176D1",
            "countryCode": "US ",
            "VID": "01"
        }
    }
]
```

```
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "XEControllerInfo",
    "parameters": {
      "version": "v1",
      "extendedDebugEnable": "False",
      "chassisInfo": [
        {
          "role": "active",
          "PID": "C9800-L-C-K9",
          "SN": "FCL2649004F",
          "WLC-Version": "17.16.01"
        }
      ],
      "licenseInfo": {
        "licensingType": "air-dna-advantage",
        "count": 1,
        "lastRumAckReceived": "<none>",
        "countAPsRequiringAFC": 1
      }
    }
  }
]
}
```

2024-08-03T21:55:15Z

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



```
"availableChannelInfo": [  
  {  
    "channelCfi": [  
      1,  
      5,  
      9,  
      13,  
      33,  
      37,  
      41,  
      45,  
      49,  
      53,  
      57,  
      61,  
      129,  
      133,  
      137,  
      141,  
      145,  
      149,  
      153,  
      157  
    ],  
    "globalOperatingClass": 131,  
    "maxEirp": [  
      21.7,  
      25.3,  
      24.1,  
      29.5,  
      24.9,  
      33.4,  
      23.7,  
      29.4,  
      21.8,  
      30.9,  
      26.6,
```

```
        32.9,  
        28.0,  
        27.9,  
        34.6,  
        31.5,  
        32.6,  
        34.3,  
        29.3,  
        31.3  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        35,  
        43,  
        51,  
        59,  
        131,  
        139,  
        147,  
        155  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        24.7,  
        27.1,  
        27.9,  
        26.7,  
        24.8,  
        29.6,  
        30.9,  
        34.5,  
        35.6,  
        32.3  
    ]  
}
```

```
    },
    {
      "channelCfi": [
        7,
        39,
        55,
        135,
        151
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        27.7,
        29.7,
        27.8,
        33.9,
        35.3
      ]
    },
    {
      "channelCfi": [
        47,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        30.8,
        36.0
      ]
    }
  ],
  "requestId": "17789456463640061701",
  "availabilityExpireTime": "2024-08-04T21:55:15Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```



CT_AFC_SP_AP_AFCDRSA31_Channel_80MHz_10620_1

2024-08-04T00:09:59Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Accept-Encoding": "deflate, gzip",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.100.100.254",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1799",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "17789456463640061704",
        "deviceDescriptor": {
          "serialNumber": "WNT281301YG",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -121.91889,
              "latitude": 37.416858
            },
            "majorAxis": 25,
            "minorAxis": 25,

```

```
"orientation": 0.0
},
"elevation": {
  "height": 17,
  "heightType": "AGL",
  "verticalUncertainty": 5
},
"indoorDeployment": 1
},
"inquiredChannels": [
  {
    "globalOperatingClass": 131,
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93,
```



```
97,  
101,  
105,  
109,  
113,  
117,  
121,  
125,  
129,  
133,  
137,  
141,  
145,  
149,  
153,  
157,  
161,  
165,  
169,  
173,  
177,  
181,  
185,  
189,  
193,  
197,  
201,  
205,  
209,  
213,  
217,  
221,  
225,  
229,  
233  
]  
,
```

```
{
  "globalOperatingClass": 132,
  "channelCfi": [
    3,
    11,
    19,
    27,
    35,
    43,
    51,
    59,
    67,
    75,
    83,
    91,
    99,
    107,
    115,
    123,
    131,
    139,
    147,
    155,
    163,
    171,
    179,
    187,
    195,
    203,
    211,
    219,
    227
  ]
},
{
  "globalOperatingClass": 133,
  "channelCfi": [
```

```
        7,  
        23,  
        39,  
        55,  
        71,  
        87,  
        103,  
        119,  
        135,  
        151,  
        167,  
        183,  
        199,  
        215  
    ]  
},  
{  
    "globalOperatingClass": 134,  
    "channelCfi": [  
        15,  
        47,  
        79,  
        111,  
        143,  
        175,  
        207  
    ]  
},  
{  
    "globalOperatingClass": 137,  
    "channelCfi": [  
        31,  
        63  
    ]  
}  
],  
"vendorExtensions": [
```



```
{
  "extensionId": "APInfo",
  "parameters": {
    "version": "v1",
    "PID": "CW9176D1",
    "countryCode": "US ",
    "VID": "01"
  }
}
],
"vendorExtensions": [
  {
    "extensionId": "XEControllerInfo",
    "parameters": {
      "version": "v1",
      "extendedDebugEnable": "False",
      "chassisInfo": [
        {
          "role": "active",
          "PID": "C9800-L-C-K9",
          "SN": "FCL2649004F",
          "WLC-Version": "17.16.01"
        }
      ],
      "licenseInfo": {
        "licensingType": "air-dna-advantage",
        "count": 1,
        "lastRumAckReceived": "<none>",
        "countAPsRequiringAFC": 1
      }
    }
  }
]
}
```



2024-08-04T00:09:59Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
          "channelCfi": [
            1,
            5,
            9,
            13,
            129,
            133,
            137,
            141,
            145,
            149,
            153,
            157,
            161,
            165,
            169,
            173
          ],
          "globalOperatingClass": 131,
          "maxEirp": [
            31.3,
            23.1,
            23.6,
            27.8,
            28.8,
            27.5,
```

```
        29.1,  
        21.5,  
        30.4,  
        34.6,  
        29.0,  
        27.2,  
        27.5,  
        29.7,  
        30.0,  
        27.8  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        131,  
        139,  
        147,  
        155,  
        163,  
        171  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        26.1,  
        26.6,  
        30.5,  
        24.5,  
        33.4,  
        30.2,  
        30.5,  
        30.8  
    ]  
},  
{  
    "channelCfi": [  

```

```
        7,  
        135,  
        151,  
        167  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
        29.1,  
        27.5,  
        33.2,  
        33.5  
    ]  
},  
{  
    "channelCfi": [  
        143  
    ],  
    "globalOperatingClass": 134,  
    "maxEirp": [  
        30.5  
    ]  
}  
],  
"requestId": "17789456463640061704",  
"availabilityExpireTime": "2024-08-05T00:09:59Z",  
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```

```
##### 2024-08-04T00:18:12Z #####  
{  
    "headers": {  
        "Host": "testserver.wfatestorg.org",  
        "Accept": "*/*",  
        "Accept-Encoding": "deflate, gzip",
```

```
"Content-Type": "application/json",
"X-Forwarded-For": "192.100.100.254",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "1799",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "17789456463640061705",
      "deviceDescriptor": {
        "serialNumber": "WNT281301YG",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "UDX-600201010"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "longitude": -121.91889,
        "latitude": 37.416858
      },
      "majorAxis": 25,
      "minorAxis": 25,
      "orientation": 0.0
    },
    "elevation": {
      "height": 18,
      "heightType": "AGL",
      "verticalUncertainty": 5
    }
  },
  "indoorDeployment": 1
}
```

```
},
"inquiredChannels": [
  {
    "globalOperatingClass": 131,
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93,
      97,
      101,
      105,
      109,
      113,
      117,
      121,
      125,
```

```
129,  
133,  
137,  
141,  
145,  
149,  
153,  
157,  
161,  
165,  
169,  
173,  
177,  
181,  
185,  
189,  
193,  
197,  
201,  
205,  
209,  
213,  
217,  
221,  
225,  
229,  
233  
]  
,  
{  
  "globalOperatingClass": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,
```



```
43,  
51,  
59,  
67,  
75,  
83,  
91,  
99,  
107,  
115,  
123,  
131,  
139,  
147,  
155,  
163,  
171,  
179,  
187,  
195,  
203,  
211,  
219,  
227  
]  
,  
{  
  "globalOperatingClass": 133,  
  "channelCfi": [  
    7,  
    23,  
    39,  
    55,  
    71,  
    87,  
    103,  
    119,
```



```
        135,
        151,
        167,
        183,
        199,
        215
    ]
},
{
    "globalOperatingClass": 134,
    "channelCfi": [
        15,
        47,
        79,
        111,
        143,
        175,
        207
    ]
},
{
    "globalOperatingClass": 137,
    "channelCfi": [
        31,
        63
    ]
}
],
"vendorExtensions": [
    {
        "extensionId": "APInfo",
        "parameters": {
            "version": "v1",
            "PID": "CW9176D1",
            "countryCode": "US ",
            "VID": "01"
        }
    }
]
```

```
        }
      ]
    }
  ],
  "vendorExtensions": [
    {
      "extensionId": "XEControllerInfo",
      "parameters": {
        "version": "v1",
        "extendedDebugEnable": "False",
        "chassisInfo": [
          {
            "role": "active",
            "PID": "C9800-L-C-K9",
            "SN": "FCL2649004F",
            "WLC-Version": "17.16.01"
          }
        ],
        "licenseInfo": {
          "licensingType": "air-dna-advantage",
          "count": 1,
          "lastRumAckReceived": "<none>",
          "countAPsRequiringAFC": 1
        }
      }
    }
  ]
}
```

2024-08-04T00:18:12Z

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

```
},
"availableChannelInfo": [
  {
    "channelCfi": [
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      32.8,
      27.1,
      31.2,
      28.6,
      28.6,
      23.5,
      31.6,
      21.3,
      23.9,
      33.9,
```

```
        23.7,  
        28.7,  
        28.9,  
        30.6,  
        23.7,  
        30.9,  
        22.9,  
        30.6,  
        31.6,  
        27.1  
    ]  
},  
{  
    "channelCfi": [  
        19,  
        27,  
        35,  
        43,  
        51,  
        59,  
        67,  
        75,  
        83,  
        91  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        30.1,  
        31.6,  
        26.5,  
        24.3,  
        26.9,  
        26.7,  
        31.9,  
        26.7,  
        25.9,  
        30.1
```

```
    ]
  },
  {
    "channelCfi": [
      23,
      39,
      55,
      71,
      87
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
      33.1,
      27.3,
      29.7,
      29.7,
      28.9
    ]
  },
  {
    "channelCfi": [
      47,
      79
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
      30.3,
      31.9
    ]
  },
  {
    "channelCfi": [
      63
    ],
    "globalOperatingClass": 137,
    "maxEirp": [
      33.4
```



```
    ]
  }
],
  "requestId": "17789456463640061705",
  "availabilityExpireTime": "2024-08-05T00:18:12Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

CT_AFC_SP_AP_AFCDSA31_Channel_160MHz_10621_1

2024-08-04T00:38:59Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Accept-Encoding": "deflate, gzip",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.100.100.254",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1799",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "17789456463640061706",
        "deviceDescriptor": {
          "serialNumber": "WNT281301YG",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "longitude": -121.91889,
          "latitude": 37.416858
        },
        "majorAxis": 25,
        "minorAxis": 25,
        "orientation": 0.0
      }
    }
  }
}
```

```
    },
    "elevation": {
      "height": 19,
      "heightType": "AGL",
      "verticalUncertainty": 5
    },
    "indoorDeployment": 1
  },
  "inquiredChannels": [
    {
      "globalOperatingClass": 131,
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        97,
```




```
101,  
105,  
109,  
113,  
117,  
121,  
125,  
129,  
133,  
137,  
141,  
145,  
149,  
153,  
157,  
161,  
165,  
169,  
173,  
177,  
181,  
185,  
189,  
193,  
197,  
201,  
205,  
209,  
213,  
217,  
221,  
225,  
229,  
233  
]  
,  
{
```

```
"globalOperatingClass": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    99,  
    107,  
    115,  
    123,  
    131,  
    139,  
    147,  
    155,  
    163,  
    171,  
    179,  
    187,  
    195,  
    203,  
    211,  
    219,  
    227  
  ]  
,  
{  
  "globalOperatingClass": 133,  
  "channelCfi": [  
    7,
```

```
        23,
        39,
        55,
        71,
        87,
        103,
        119,
        135,
        151,
        167,
        183,
        199,
        215
    ]
},
{
    "globalOperatingClass": 134,
    "channelCfi": [
        15,
        47,
        79,
        111,
        143,
        175,
        207
    ]
},
{
    "globalOperatingClass": 137,
    "channelCfi": [
        31,
        63
    ]
}
],
"vendorExtensions": [
    {
```

```
        "extensionId": "APInfo",
        "parameters": {
            "version": "v1",
            "PID": "CW9176D1",
            "countryCode": "US ",
            "VID": "01"
        }
    }
]
},
"vendorExtensions": [
    {
        "extensionId": "XEControllerInfo",
        "parameters": {
            "version": "v1",
            "extendedDebugEnable": "False",
            "chassisInfo": [
                {
                    "role": "active",
                    "PID": "C9800-L-C-K9",
                    "SN": "FCL2649004F",
                    "WLC-Version": "17.16.01"
                }
            ],
            "licenseInfo": {
                "licensingType": "air-dna-advantage",
                "count": 1,
                "lastRumAckReceived": "<none>",
                "countAPsRequiringAFC": 1
            }
        }
    }
]
}
```



2024-08-04T00:38:59Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
          "channelCfi": [
            33,
            37,
            41,
            45,
            49,
            53,
            57,
            61,
            65,
            69,
            73,
            77,
            81,
            85,
            89,
            93
          ],
          "globalOperatingClass": 131,
          "maxEirp": [
            26.2,
            23.5,
            29.2,
            30.7,
            27.6,
            33.8,
            23.7,
```

```
                25.7,  
                27.8,  
                25.4,  
                34.4,  
                24.8,  
                31.7,  
                26.7,  
                33.2,  
                22.2  
            ]  
        },  
        {  
            "channelCfi": [  
                35,  
                43,  
                51,  
                59,  
                67,  
                75,  
                83,  
                91  
            ],  
            "globalOperatingClass": 132,  
            "maxEirp": [  
                26.5,  
                32.2,  
                30.6,  
                26.7,  
                28.4,  
                27.8,  
                29.7,  
                25.2  
            ]  
        },  
        {  
            "channelCfi": [  
                39,
```

```
        55,  
        71,  
        87  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
        29.5,  
        29.7,  
        30.8,  
        28.2  
    ]  
},  
{  
    "channelCfi": [  
        47,  
        79  
    ],  
    "globalOperatingClass": 134,  
    "maxEirp": [  
        32.5,  
        31.2  
    ]  
},  
{  
    "channelCfi": [  
        63  
    ],  
    "globalOperatingClass": 137,  
    "maxEirp": [  
        34.3  
    ]  
}  
],  
"requestId": "17789456463640061706",  
"availabilityExpireTime": "2024-08-05T00:38:59Z",  
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}
```

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

##### 2024-08-04T00:45:43Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Accept-Encoding": "deflate, gzip",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.100.100.254",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1799",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "17789456463640061707",
        "deviceDescriptor": {
          "serialNumber": "WNT281301YG",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -121.91889,
              "latitude": 37.416858
            }
          }
        }
      }
    ]
  }
}
```



```
        "majorAxis": 25,
        "minorAxis": 25,
        "orientation": 0.0
    },
    "elevation": {
        "height": 20,
        "heightType": "AGL",
        "verticalUncertainty": 5
    },
    "indoorDeployment": 1
},
"inquiredChannels": [
    {
        "globalOperatingClass": 131,
        "channelCfi": [
            1,
            5,
            9,
            13,
            17,
            21,
            25,
            29,
            33,
            37,
            41,
            45,
            49,
            53,
            57,
            61,
            65,
            69,
            73,
            77,
            81,
            85,
```



89,
93,
97,
101,
105,
109,
113,
117,
121,
125,
129,
133,
137,
141,
145,
149,
153,
157,
161,
165,
169,
173,
177,
181,
185,
189,
193,
197,
201,
205,
209,
213,
217,
221,
225,
229,
233

```
]
},
{
  "globalOperatingClass": 132,
  "channelCfi": [
    3,
    11,
    19,
    27,
    35,
    43,
    51,
    59,
    67,
    75,
    83,
    91,
    99,
    107,
    115,
    123,
    131,
    139,
    147,
    155,
    163,
    171,
    179,
    187,
    195,
    203,
    211,
    219,
    227
  ]
},
{
```

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

```
    ],
    "vendorExtensions": [
      {
        "extensionId": "APInfo",
        "parameters": {
          "version": "v1",
          "PID": "CW9176D1",
          "countryCode": "US ",
          "VID": "01"
        }
      }
    ]
  }
],
"vendorExtensions": [
  {
    "extensionId": "XEControllerInfo",
    "parameters": {
      "version": "v1",
      "extendedDebugEnable": "False",
      "chassisInfo": [
        {
          "role": "active",
          "PID": "C9800-L-C-K9",
          "SN": "FCL2649004F",
          "WLC-Version": "17.16.01"
        }
      ],
      "licenseInfo": {
        "licensingType": "air-dna-advantage",
        "count": 1,
        "lastRumAckReceived": "<none>",
        "countAPsRequiringAFC": 1
      }
    }
  }
]
```



```
}
}

##### 2024-08-04T00:45:43Z #####

{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
          "channelCfi": [
            1,
            5,
            9,
            13,
            17,
            21,
            25,
            29,
            129,
            133,
            137,
            141,
            145,
            149,
            153,
            157
          ],
          "globalOperatingClass": 131,
          "maxEirp": [
            22.5,
            26.8,
            30.6,
            22.3,
```

```
        33.7,  
        25.3,  
        28.2,  
        29.4,  
        34.2,  
        30.2,  
        24.8,  
        28.2,  
        25.7,  
        33.4,  
        25.2,  
        28.3  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        19,  
        27,  
        131,  
        139,  
        147,  
        155  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        25.5,  
        25.3,  
        28.3,  
        31.2,  
        33.2,  
        27.8,  
        28.7,  
        28.2  
    ]  
},
```

```
{
  {
    "channelCfi": [
      7,
      23,
      135,
      151
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
      28.3,
      31.3,
      30.8,
      31.2
    ]
  },
  {
    "channelCfi": [
      15,
      143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
      31.3,
      33.8
    ]
  }
],
"requestId": "17789456463640061707",
"availabilityExpireTime": "2024-08-05T00:45:43Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```


CT_AFC_SP_AP_AFCDUSA32_Channel_10622_1

2024-08-04T00:59:19Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Accept-Encoding": "deflate, gzip",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.100.100.254",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1799",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "17789456463640061708",
        "deviceDescriptor": {
          "serialNumber": "WNT281301YG",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -121.91889,
              "latitude": 37.416858
            },
            "majorAxis": 25,
            "minorAxis": 25,
            "orientation": 0.0
          }
        }
      }
    ]
  }
}
```

```
    },
    "elevation": {
      "height": 21,
      "heightType": "AGL",
      "verticalUncertainty": 5
    },
    "indoorDeployment": 1
  },
  "inquiredChannels": [
    {
      "globalOperatingClass": 131,
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        97,
```



```
101,  
105,  
109,  
113,  
117,  
121,  
125,  
129,  
133,  
137,  
141,  
145,  
149,  
153,  
157,  
161,  
165,  
169,  
173,  
177,  
181,  
185,  
189,  
193,  
197,  
201,  
205,  
209,  
213,  
217,  
221,  
225,  
229,  
233  
]  
,  
{
```

```
"globalOperatingClass": 132,  
"channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    99,  
    107,  
    115,  
    123,  
    131,  
    139,  
    147,  
    155,  
    163,  
    171,  
    179,  
    187,  
    195,  
    203,  
    211,  
    219,  
    227  
]  
},  
{  
    "globalOperatingClass": 133,  
    "channelCfi": [  
        7,
```

```
        23,  
        39,  
        55,  
        71,  
        87,  
        103,  
        119,  
        135,  
        151,  
        167,  
        183,  
        199,  
        215  
    ]  
},  
{  
    "globalOperatingClass": 134,  
    "channelCfi": [  
        15,  
        47,  
        79,  
        111,  
        143,  
        175,  
        207  
    ]  
},  
{  
    "globalOperatingClass": 137,  
    "channelCfi": [  
        31,  
        63  
    ]  
}  
],  
"vendorExtensions": [  
    {
```

```
        "extensionId": "APInfo",
        "parameters": {
            "version": "v1",
            "PID": "CW9176D1",
            "countryCode": "US ",
            "VID": "01"
        }
    }
]
},
"vendorExtensions": [
    {
        "extensionId": "XEControllerInfo",
        "parameters": {
            "version": "v1",
            "extendedDebugEnable": "False",
            "chassisInfo": [
                {
                    "role": "active",
                    "PID": "C9800-L-C-K9",
                    "SN": "FCL2649004F",
                    "WLC-Version": "17.16.01"
                }
            ],
            "licenseInfo": {
                "licensingType": "air-dna-advantage",
                "count": 1,
                "lastRumAckReceived": "<none>",
                "countAPsRequiringAFC": 1
            }
        }
    }
]
}
```



```
##### 2024-08-04T00:59:19Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [],
      "requestId": "17789456463640061708",
      "availabilityExpireTime": "2024-08-05T00:59:19Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}
```



CT_AFC_SP_AP_AFCDSAU33_Channel_10623_1

2024-08-04T01:09:07Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Accept-Encoding": "deflate, gzip",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.100.100.254",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1799",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "17789456463640061709",
        "deviceDescriptor": {
          "serialNumber": "WNT281301YG",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        }
      },
      {
        "location": {
          "ellipse": {
            "center": {
              "longitude": -121.91889,
              "latitude": 37.416858
            },
            "majorAxis": 25,
            "minorAxis": 25,
            "orientation": 0.0
          }
        }
      }
    ]
  }
}
```



```
    },
    "elevation": {
      "height": 22,
      "heightType": "AGL",
      "verticalUncertainty": 5
    },
    "indoorDeployment": 1
  },
  "inquiredChannels": [
    {
      "globalOperatingClass": 131,
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        97,
```



```
101,  
105,  
109,  
113,  
117,  
121,  
125,  
129,  
133,  
137,  
141,  
145,  
149,  
153,  
157,  
161,  
165,  
169,  
173,  
177,  
181,  
185,  
189,  
193,  
197,  
201,  
205,  
209,  
213,  
217,  
221,  
225,  
229,  
233  
]  
,  
{
```

```
"globalOperatingClass": 132,  
"channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    99,  
    107,  
    115,  
    123,  
    131,  
    139,  
    147,  
    155,  
    163,  
    171,  
    179,  
    187,  
    195,  
    203,  
    211,  
    219,  
    227  
]  
},  
{  
    "globalOperatingClass": 133,  
    "channelCfi": [  
        7,
```

```
        23,
        39,
        55,
        71,
        87,
        103,
        119,
        135,
        151,
        167,
        183,
        199,
        215
    ]
},
{
    "globalOperatingClass": 134,
    "channelCfi": [
        15,
        47,
        79,
        111,
        143,
        175,
        207
    ]
},
{
    "globalOperatingClass": 137,
    "channelCfi": [
        31,
        63
    ]
}
],
"vendorExtensions": [
    {
```

```
        "extensionId": "APInfo",
        "parameters": {
            "version": "v1",
            "PID": "CW9176D1",
            "countryCode": "US ",
            "VID": "01"
        }
    }
]
},
"vendorExtensions": [
    {
        "extensionId": "XEControllerInfo",
        "parameters": {
            "version": "v1",
            "extendedDebugEnable": "False",
            "chassisInfo": [
                {
                    "role": "active",
                    "PID": "C9800-L-C-K9",
                    "SN": "FCL2649004F",
                    "WLC-Version": "17.16.01"
                }
            ],
            "licenseInfo": {
                "licensingType": "air-dna-advantage",
                "count": 1,
                "lastRumAckReceived": "<none>",
                "countAPsRequiringAFC": 1
            }
        }
    }
]
}
```



2024-08-04T01:09:07Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
          "channelCfi": [
            33,
            37,
            41,
            45,
            65,
            69,
            73,
            77,
            81,
            85,
            89,
            93,
            145,
            149,
            153,
            157
          ],
          "globalOperatingClass": 131,
          "maxEirp": [
            25.4,
            25.1,
            26.7,
            29.5,
            34.7,
            24.5,
            31.9,
```

```
        23.5,  
        22.1,  
        23.7,  
        32.7,  
        33.3,  
        21.2,  
        24.4,  
        27.0,  
        28.1  
    ]  
},  
{  
    "channelCfi": [  
        35,  
        43,  
        67,  
        75,  
        83,  
        91,  
        147,  
        155  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        28.1,  
        29.7,  
        27.5,  
        26.5,  
        25.1,  
        35.7,  
        24.2,  
        30.0  
    ]  
},  
{  
    "channelCfi": [  
        39,
```

```
        71,  
        87,  
        151  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
        31.1,  
        29.5,  
        28.1,  
        27.2  
    ]  
},  
{  
    "channelCfi": [  
        79  
    ],  
    "globalOperatingClass": 134,  
    "maxEirp": [  
        31.1  
    ]  
}  
],  
"requestId": "17789456463640061709",  
"availabilityExpireTime": "2024-08-05T01:09:07Z",  
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```




CT_AFC_SP_AP_AFCDUAU34_Channel_10624_1

2024-08-04T01:26:31Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Accept-Encoding": "deflate, gzip",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.100.100.254",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1798",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "17789456463640061710",
        "deviceDescriptor": {
          "serialNumber": "WNT281301YG",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "UDX-600201010"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "longitude": -121.91889,
          "latitude": 37.416858
        },
        "majorAxis": 25,
        "minorAxis": 25,
        "orientation": 0.0
      }
    }
  }
}
```

```
    },
    "elevation": {
      "height": 23,
      "heightType": "AGL",
      "verticalUncertainty": 5
    },
    "indoorDeployment": 1
  },
  "inquiredChannels": [
    {
      "globalOperatingClass": 131,
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        97,
```



```
101,  
105,  
109,  
113,  
117,  
121,  
125,  
129,  
133,  
137,  
141,  
145,  
149,  
153,  
157,  
161,  
165,  
169,  
173,  
177,  
181,  
185,  
189,  
193,  
197,  
201,  
205,  
209,  
213,  
217,  
221,  
225,  
229,  
233  
]  
,  
{
```

```
"globalOperatingClass": 132,  
"channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    99,  
    107,  
    115,  
    123,  
    131,  
    139,  
    147,  
    155,  
    163,  
    171,  
    179,  
    187,  
    195,  
    203,  
    211,  
    219,  
    227  
]  
},  
{  
    "globalOperatingClass": 133,  
    "channelCfi": [  
        7,
```

```
        23,  
        39,  
        55,  
        71,  
        87,  
        103,  
        119,  
        135,  
        151,  
        167,  
        183,  
        199,  
        215  
    ]  
},  
{  
    "globalOperatingClass": 134,  
    "channelCfi": [  
        15,  
        47,  
        79,  
        111,  
        143,  
        175,  
        207  
    ]  
},  
{  
    "globalOperatingClass": 137,  
    "channelCfi": [  
        31,  
        63  
    ]  
}  
],  
"vendorExtensions": [  
    {
```

```
        "extensionId": "APInfo",
        "parameters": {
            "version": "v1",
            "PID": "CW9176D1",
            "countryCode": "US",
            "VID": "01"
        }
    }
]
},
"vendorExtensions": [
    {
        "extensionId": "XEControllerInfo",
        "parameters": {
            "version": "v1",
            "extendedDebugEnable": "False",
            "chassisInfo": [
                {
                    "role": "active",
                    "PID": "C9800-L-C-K9",
                    "SN": "FCL2649004F",
                    "WLC-Version": "17.16.01"
                }
            ],
            "licenseInfo": {
                "licensingType": "air-dna-advantage",
                "count": 1,
                "lastRumAckReceived": "<none>",
                "countAPsRequiringAFC": 1
            }
        }
    }
]
}
```



2024-08-04T01:26:31Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableChannelInfo": [
        {
          "channelCfi": [
            1,
            5,
            9,
            13,
            17,
            21,
            25,
            29,
            33,
            37,
            41,
            45,
            49,
            53,
            57,
            61,
            65,
            69,
            73,
            77,
            81,
            85,
            89,
            93,
            117,
            121,
```

[illegible]


```
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0
    ]
},
{
    "channelCfi": [
        15,
        47,
        79,
        143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        36.0,
        36.0,
        36.0,
        36.0
    ]
}
}
```



```
    ],  
    "requestId": "17789456463640061710",  
    "availabilityExpireTime": "2024-08-05T01:26:31Z",  
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
  }  
],  
"version": "1.4"  
}
```

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

Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Antenna Gain (dBi)	Power (dBm)	EIRP (dBm)	PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
5975	LPI	20	5.01	10.38	15.39	-2.87	2.14	5.00	Pass
6215	SP	20	5.01	15.20	20.21	1.79	6.80	17.42	Pass
6635	SP	20	4.66	15.60	20.26	2.14	6.80	18.83	Pass
6645	LPI	40	4.66	15.77	20.43	-0.66	4.00	5.00	Pass
6085	SP	40	5.01	17.10	22.11	0.55	5.56	14.98	Pass
6125	SP	40	5.01	17.13	22.14	0.75	5.76	17.05	Pass
6625	LPI	80	4.66	17.51	22.17	-1.78	2.88	5.00	Pass
6705	SP	80	4.66	17.64	22.30	-1.56	3.10	10.35	Pass
6065	SP	80	5.01	17.89	22.90	-1.47	3.54	9.76	Pass
6665	LPI	160	4.66	17.51	22.17	-4.64	0.02	5.00	Pass
6025	SP	160	5.01	17.56	22.57	-4.42	0.59	12.76	Pass
6185	SP	160	5.01	17.72	22.73	-4.24	0.77	11.54	Pass

AFCD.USA: Unsuccessful spectrum access request

Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Antenna Gain (dBi)	Power (dBm)	EIRP (dBm)	PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
6375	LPI	20	5.01	10.87	15.88	-2.56	2.45	5.00	Pass
6375	LPI	20	5.01	10.72	15.73	-2.60	2.41	5.00	Pass

AFCD.SAU: Successful spectrum access update

Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Antenna Gain (dBi)	Power (dBm)	EIRP (dBm)	PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
6775	LPI	20	4.66	11.59	16.25	-1.37	3.29	5.00	Pass
6055	SP	20	5.01	16.15	21.16	3.52	8.53	21.24	Pass
6055	LPI	20	5.01	10.66	15.67	-2.62	2.39	5.00	Pass

AFCD.UAU: Unsuccessful spectrum access update

Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Antenna Gain (dBi)	Power (dBm)	EIRP (dBm)	PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
6615	LPI	20	4.66	12.19	16.85	-0.86	3.80	5.00	Pass
6695	SP	20	4.66	17.32	21.98	4.06	8.72	23.00	Pass
6695	LPI	20	4.66	12.17	16.83	-1.13	3.53	5.00	Pass

AFC capability - Inquired Frequency

CT_AFC_SP_AP_AFCDRSA31_Frequency_20MHz_10611_1

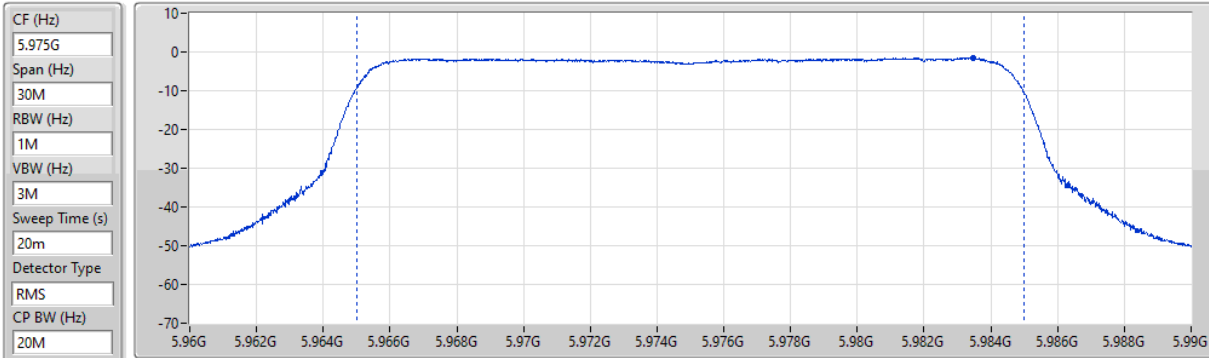
Frequency (MHz): 5975

5.925-6.425GHz_802.11ax HEW20_1TX

AV Power

5975MHz_TX

24/06/2024



Sum= Total Power
PX=Port X

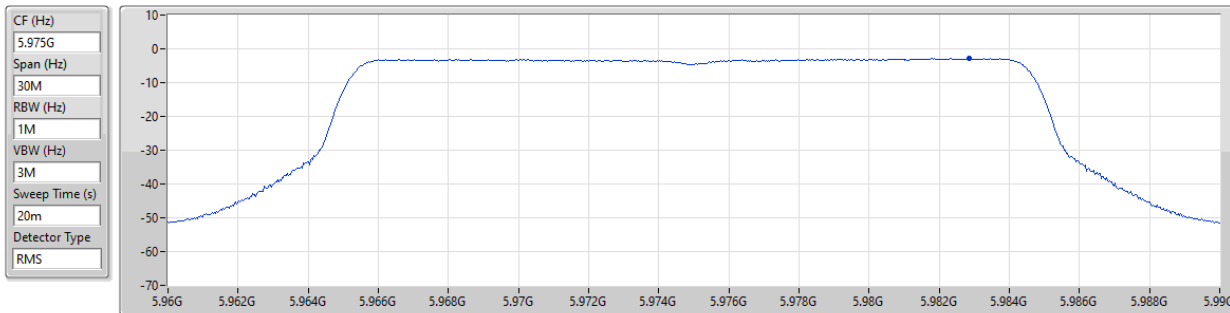
Sum(dBm)	P1(dBm)
10.38	10.38

5.925-6.425GHz_802.11ax HEW20_1TX

PSD

5975MHz

24/06/2024



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.87	-2.87	-2.87

Frequency (MHz): 6215

5.925-6.425GHz_802.11ax HEW20_1TX

AV Power

6215MHz_TX

24/06/2024

CF (Hz)
6.215G

Span (Hz)
30M

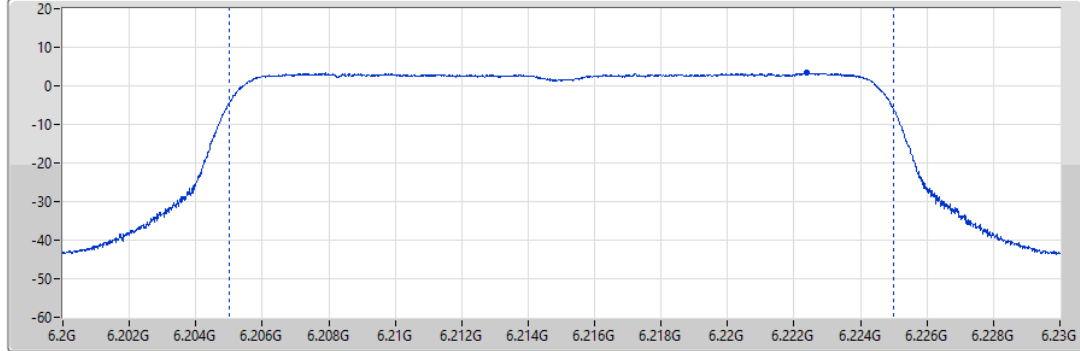
RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS

CP BW (Hz)
20M



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
15.20	15.20

5.925-6.425GHz_802.11ax HEW20_1TX

PSD

6215MHz

24/06/2024

CF (Hz)
6.215G

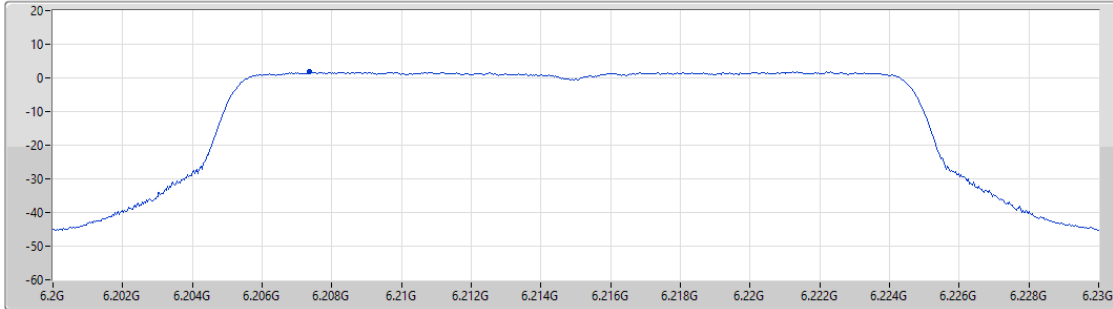
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

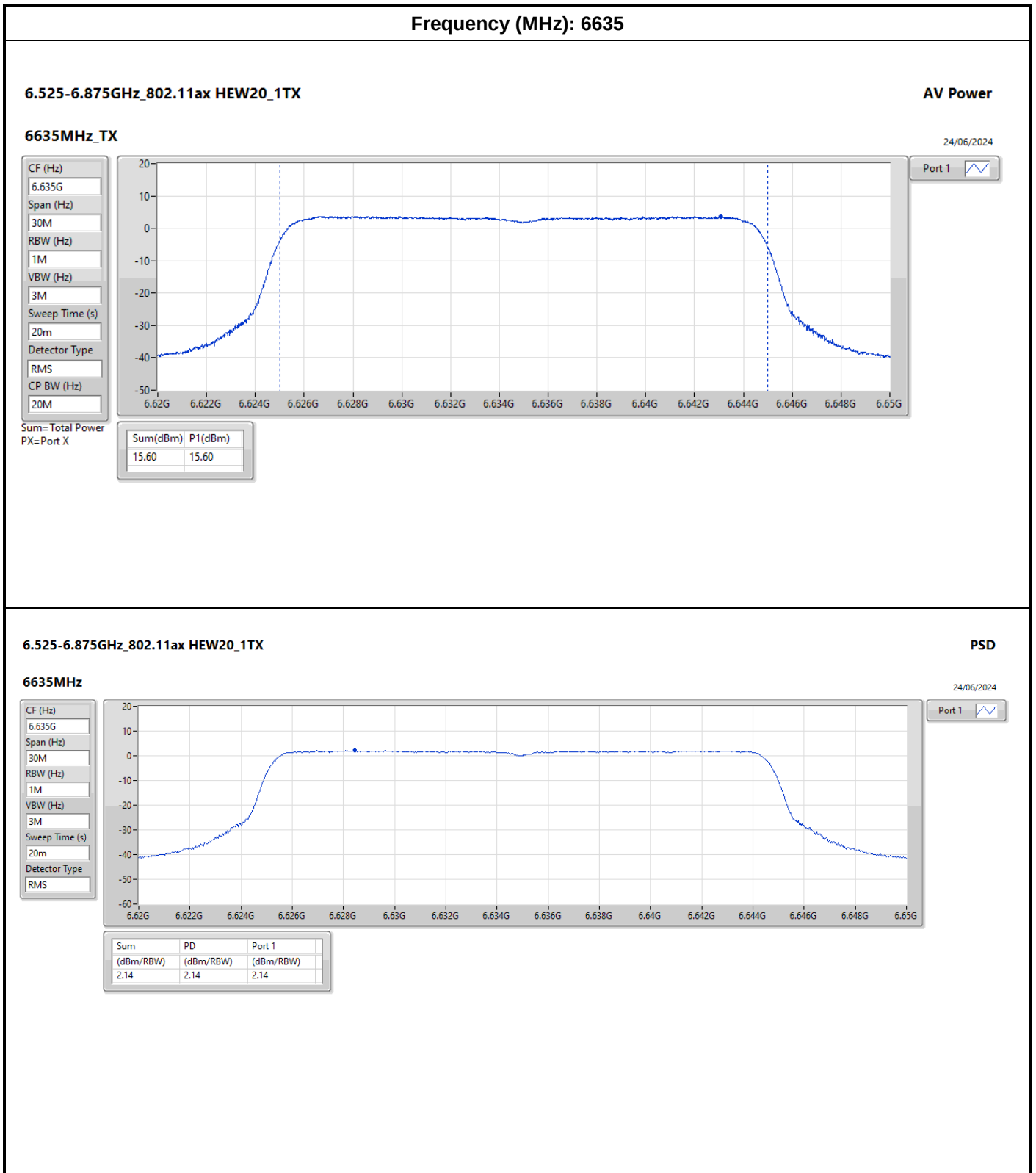
Sweep Time (s)
20m

Detector Type
RMS



Port 1

Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)
1.79	1.79	1.79



CT_AFC_SP_AP_AFCRSA31_Frequency_40MHz_10612_1

Frequency (MHz): 6645

6.525-6.875GHz_802.11ax HEW40_1TX

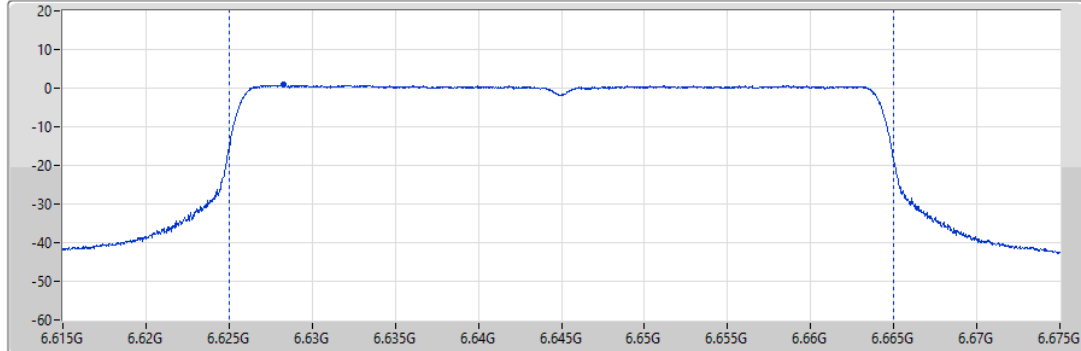
AV Power

6645MHz_TX

24/06/2024

CF (Hz)
6.645G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS
CP BW (Hz)
40M

Sum=Total Power
PX=Port X



Port 1

Sum(dBm)	P1(dBm)
15.77	15.77

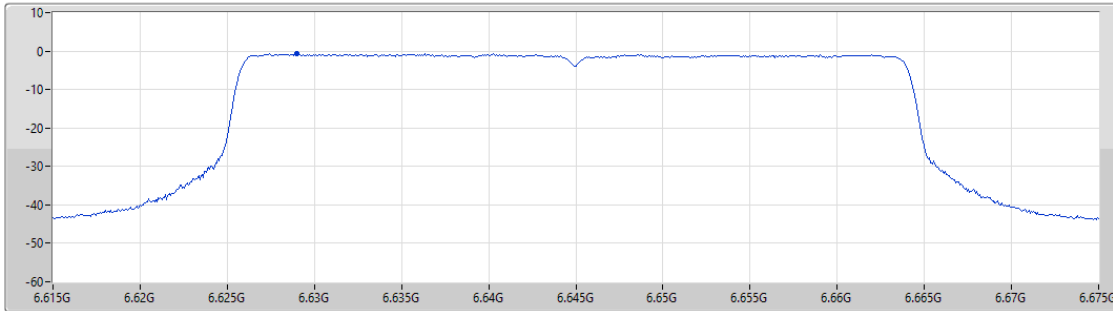
6.525-6.875GHz_802.11ax HEW40_1TX

PSD

6645MHz

24/06/2024

CF (Hz)
6.645G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Port 1

Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)
-0.66	-0.66	-0.66

Frequency (MHz): 6085

5.925-6.425GHz_802.11ax HEW40_1TX

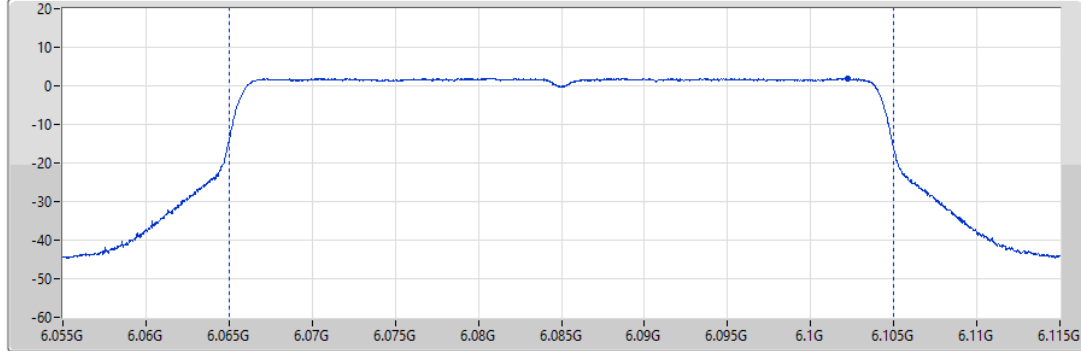
AV Power

6085MHz_TX

24/06/2024

CF (Hz)
6.085G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS
CP BW (Hz)
40M

Sum=Total Power
PX=Port X



Port 1

Sum(dBm)	P1(dBm)
17.10	17.10

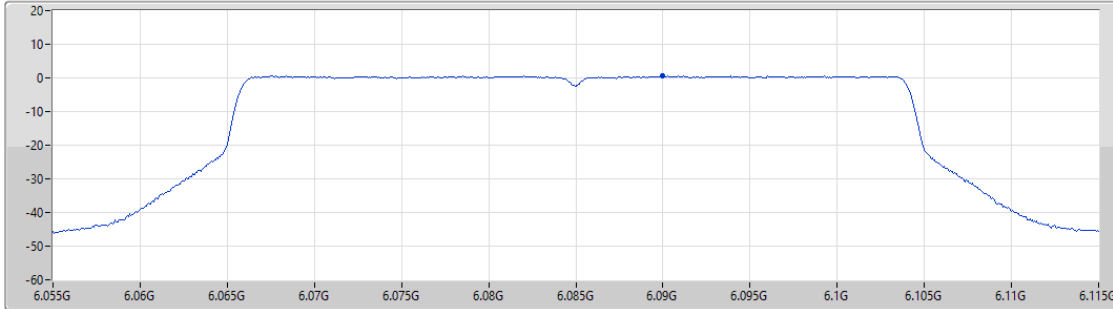
5.925-6.425GHz_802.11ax HEW40_1TX

PSD

6085MHz

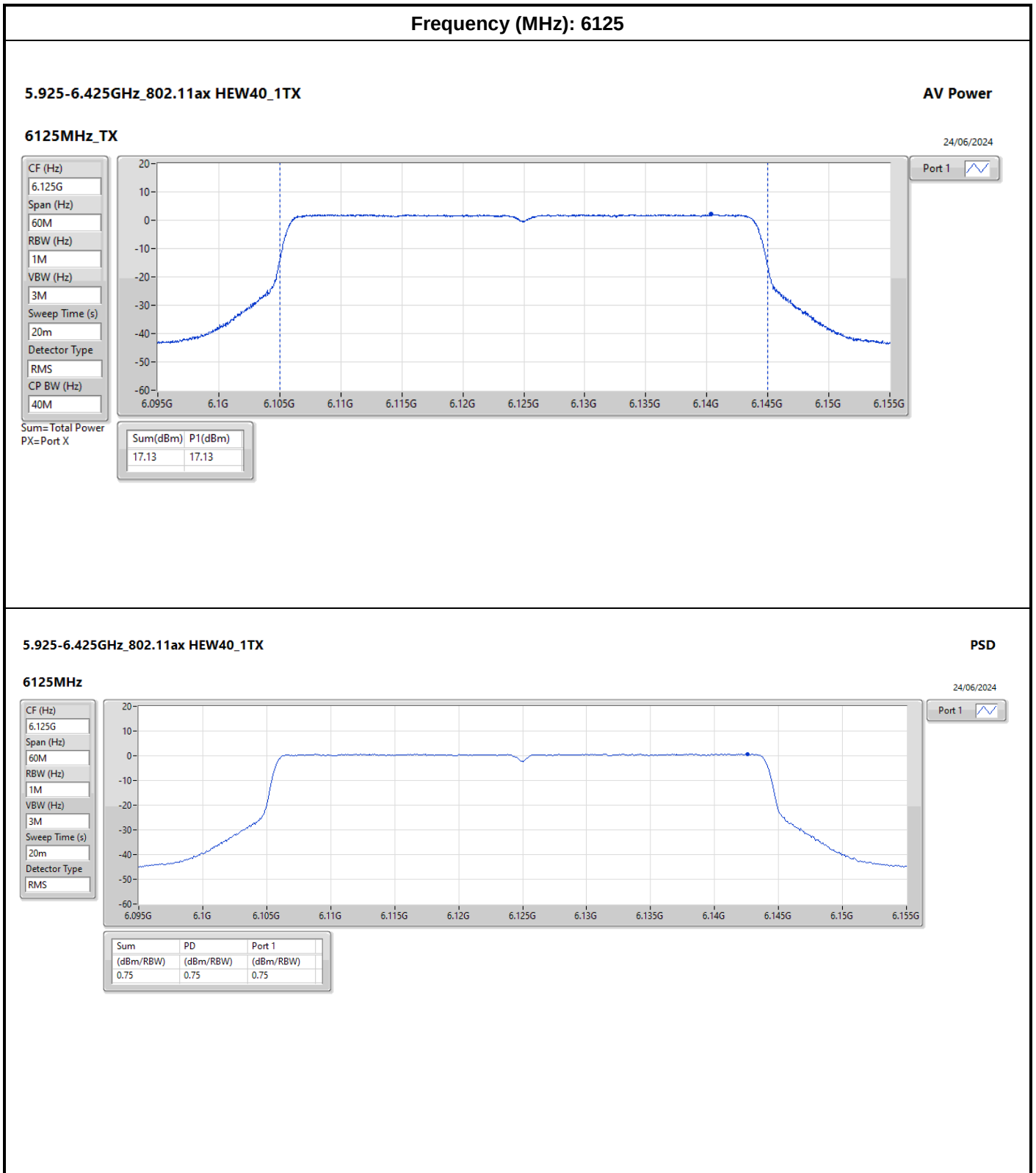
24/06/2024

CF (Hz)
6.085G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Port 1

Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)
0.55	0.55	0.55



CT_AFC_SP_AP_AFCRSA31_Frequency_80MHz_10613_1

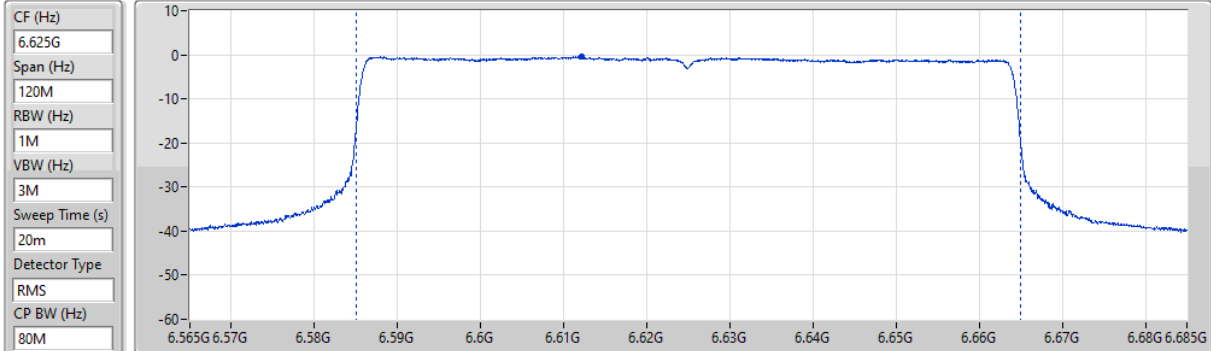
Frequency (MHz): 6625

6.525-6.875GHz_802.11ax HEW80_1TX

AV Power

6625MHz_TX

24/06/2024



Sum=Total Power
PX=Port X

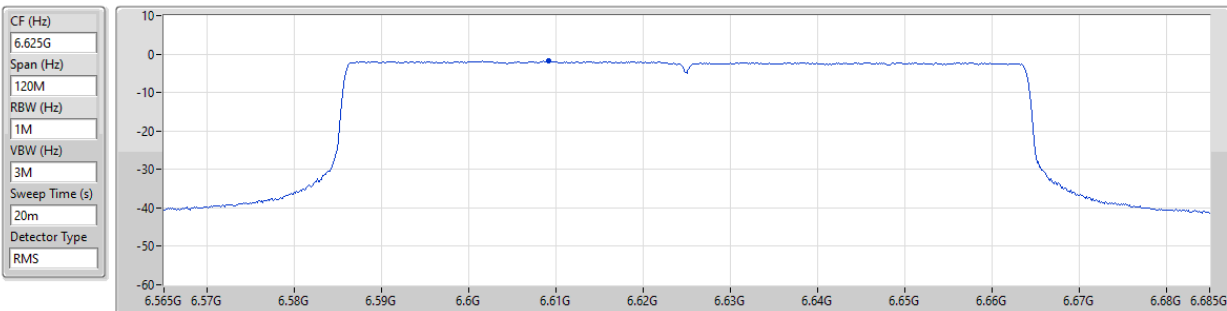
Sum(dBm)	P1(dBm)
17.51	17.51

6.525-6.875GHz_802.11ax HEW80_1TX

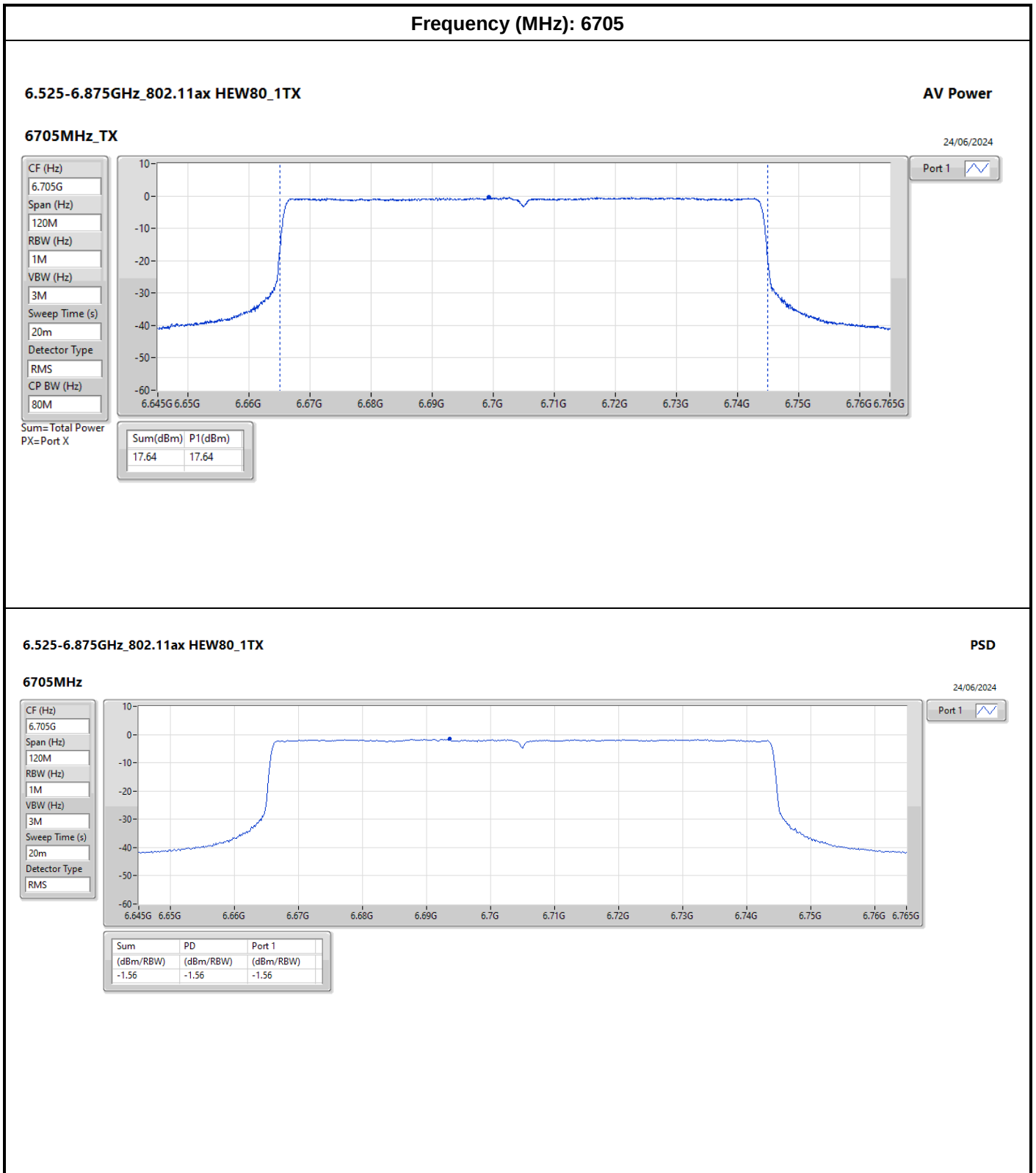
PSD

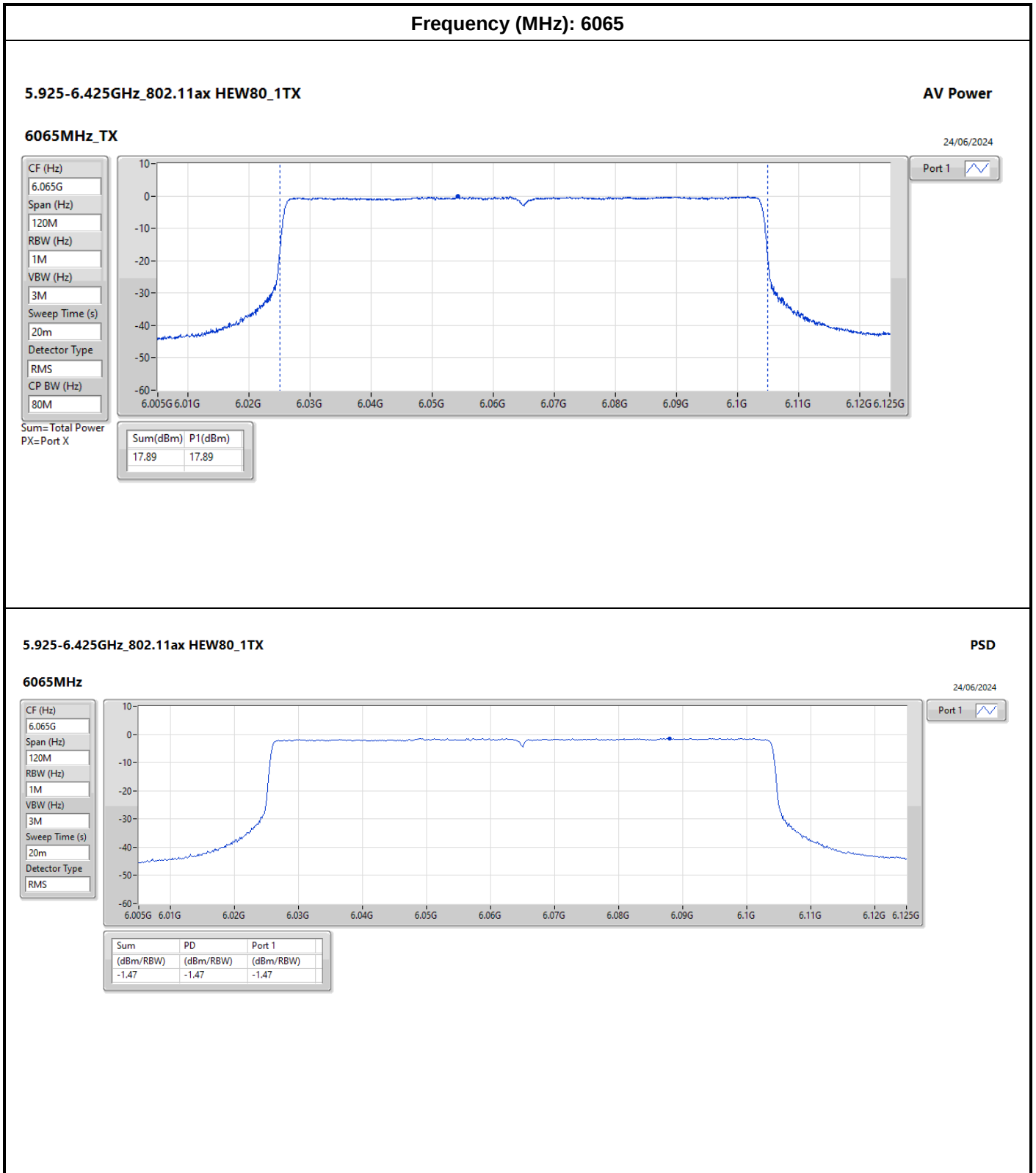
6625MHz

24/06/2024



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





CT_AFC_SP_AP_AFCDRSA31_Frequency_160MHz_10614_1

Frequency (MHz): 6665

6.525-6.875GHz_802.11ax HEW160_1TX

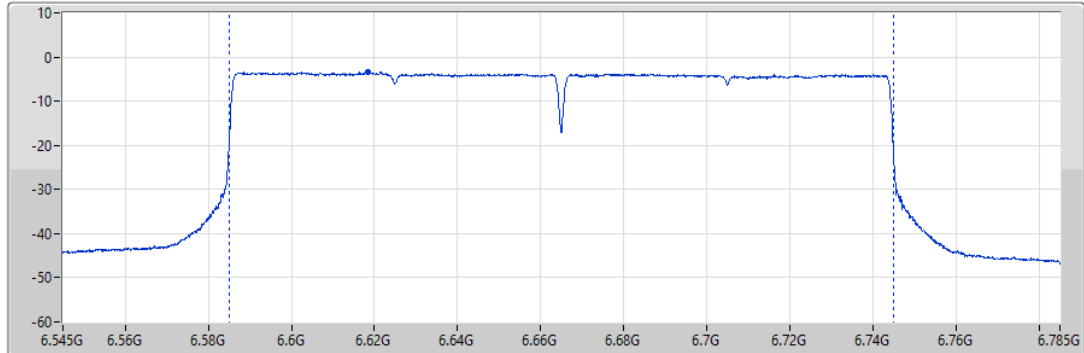
AV Power

6665MHz_TX

24/06/2024

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

Sum=Total Power
PX=Port X



Port 1

Sum(dBm)	P1(dBm)
17.51	17.51

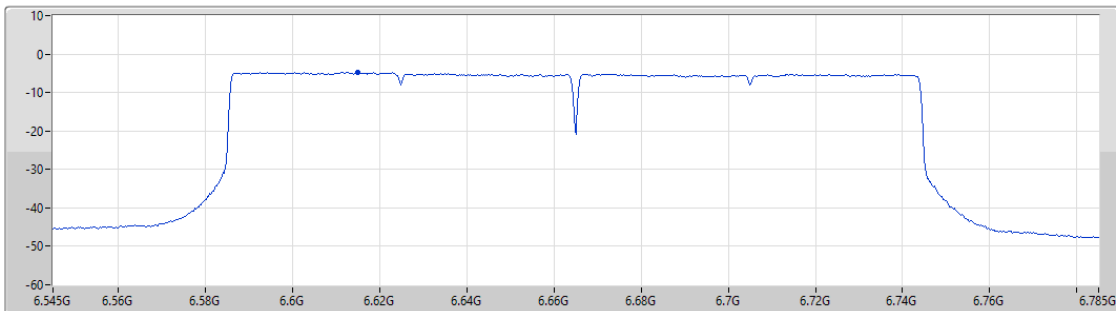
6.525-6.875GHz_802.11ax HEW160_1TX

PSD

6665MHz

24/06/2024

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



Port 1

Sum (dBm/RTW)	PD (dBm/RTW)	Port 1 (dBm/RTW)
-4.64	-4.64	-4.64

Frequency (MHz): 6025

5.925-6.425GHz_802.11ax HEW160_1TX

AV Power

6025MHz_TX

24/06/2024

CF (Hz)
6.025G

Span (Hz)
240M

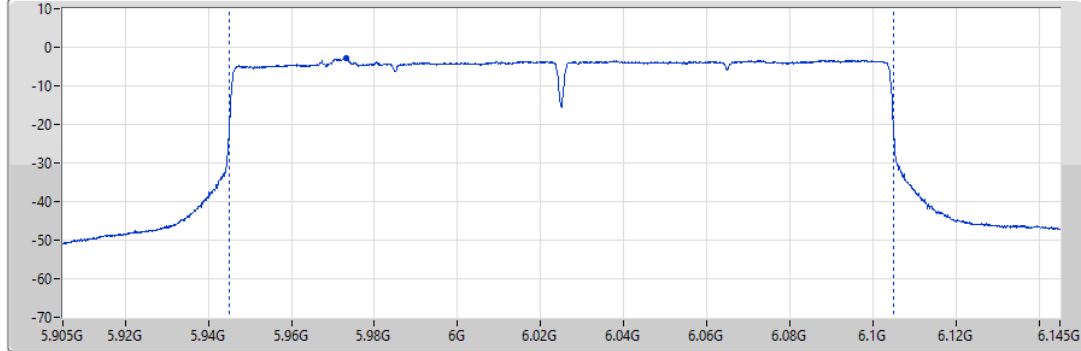
RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS

CP BW (Hz)
160M



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
17.56	17.56

5.925-6.425GHz_802.11ax HEW160_1TX

PSD

6025MHz

24/06/2024

CF (Hz)
6.025G

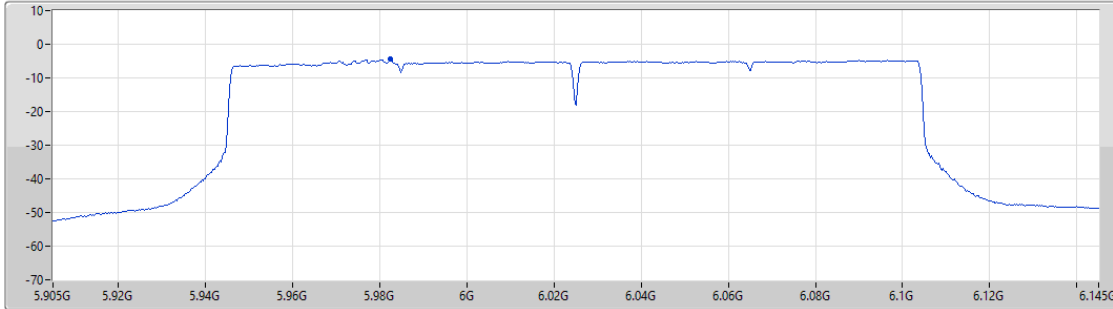
Span (Hz)
240M

RBW (Hz)
1M

VBW (Hz)
3M

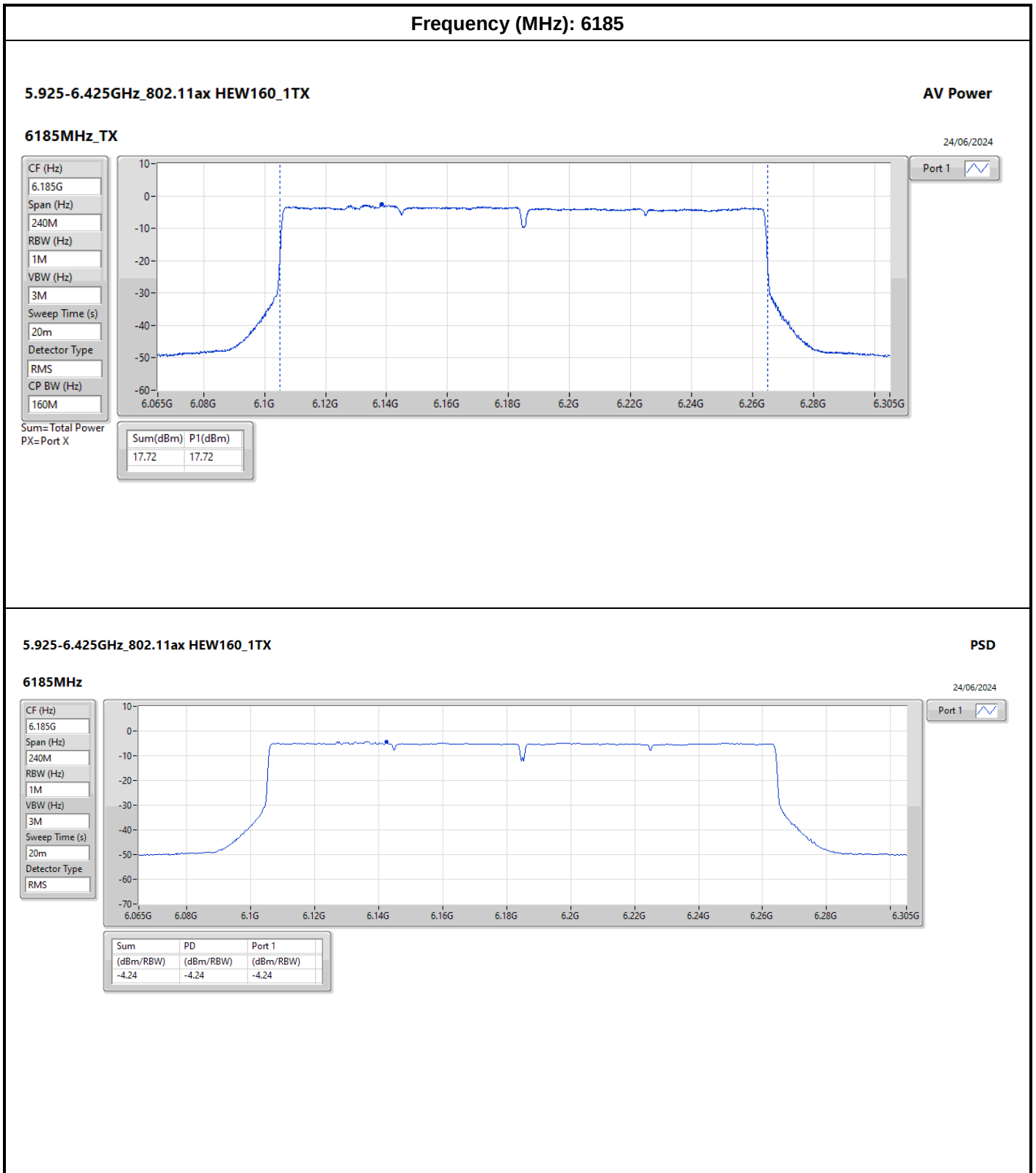
Sweep Time (s)
20m

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.42	-4.42	-4.42



CT_AFC_SP_AP_AFCDUSA32_Frequency_10615_1

Bandwidth: 20MHz

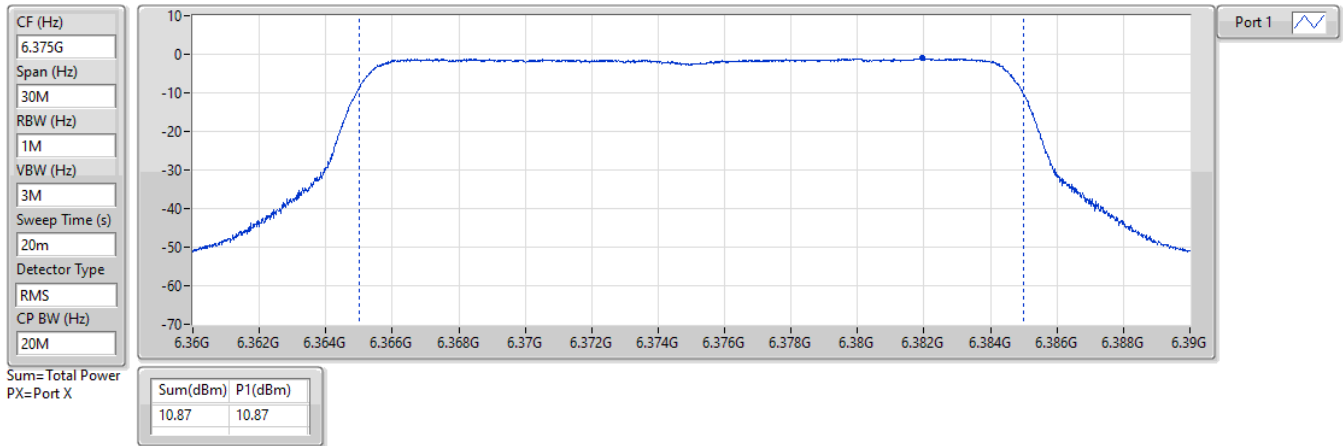
Frequency (MHz): 6375

5.925-6.425GHz_802.11ax HEW20_1TX

AV Power

6375MHz_TX

24/06/2024

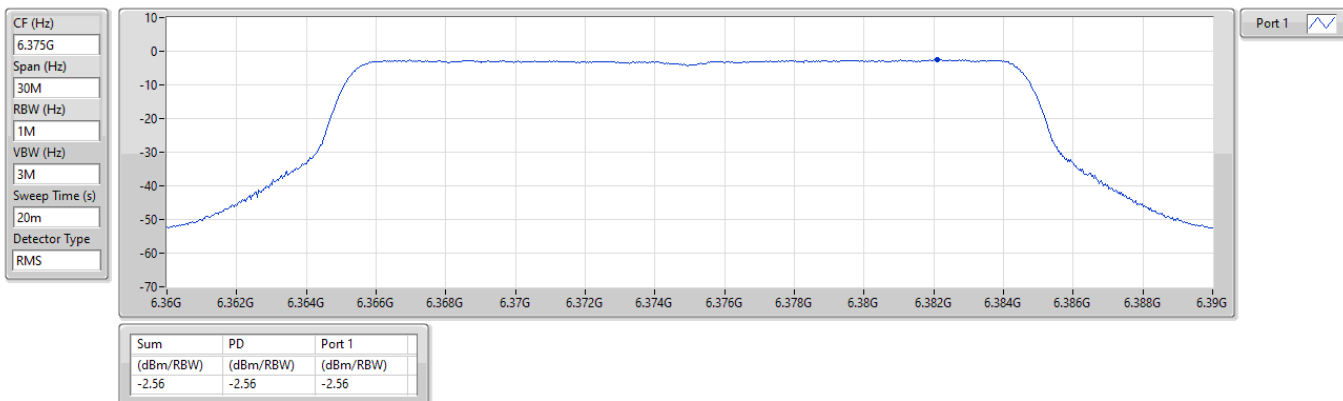


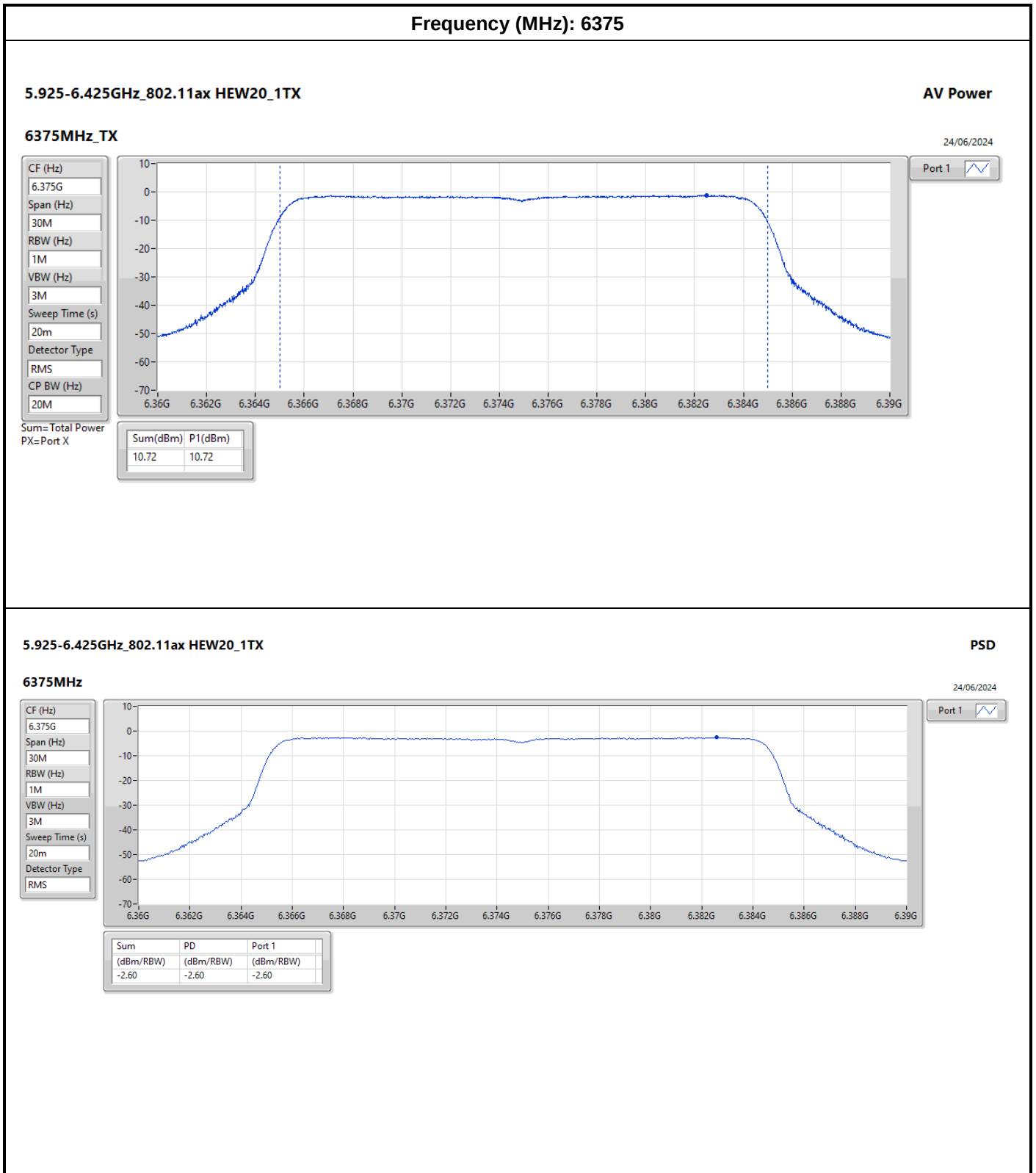
5.925-6.425GHz_802.11ax HEW20_1TX

PSD

6375MHz

24/06/2024





CT_AFC_SP_AP_AFCDSAU33_Frequency_10616_1

Bandwidth: 20MHz

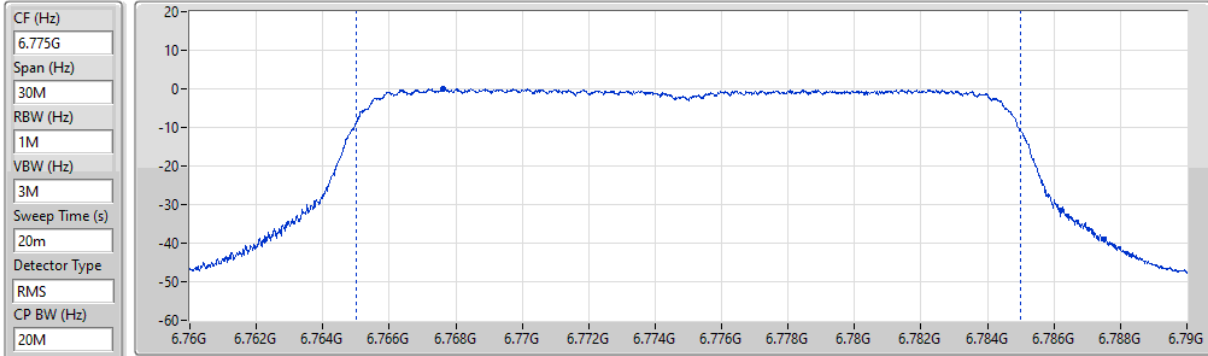
Frequency (MHz): 6775

6.525-6.875GHz_802.11ax HEW20_1TX

AV Power

6775MHz_TX

25/06/2024



Sum=Total Power
PX=Port X

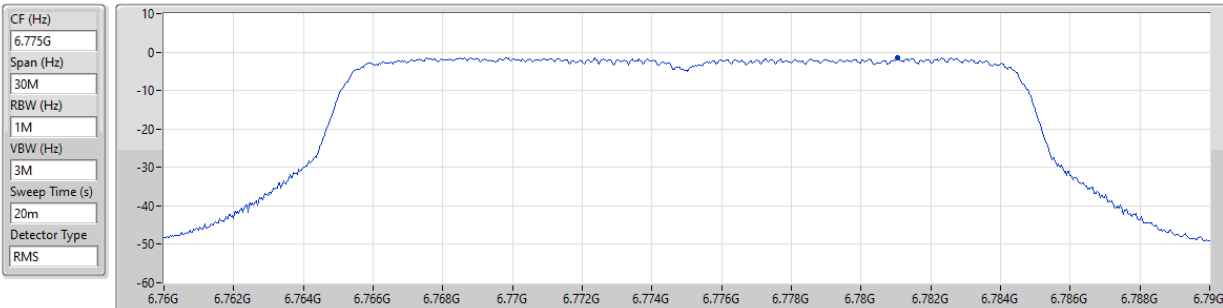
Sum(dBm)	P1(dBm)
11.59	11.59

6.525-6.875GHz_802.11ax HEW20_1TX

PSD

6775MHz

25/06/2024



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.37	-1.37	-1.37

Frequency (MHz): 6055

5.925-6.425GHz_802.11ax HEW20_1TX

AV Power

6055MHz_TX

25/06/2024

CF (Hz)
6.055G

Span (Hz)
30M

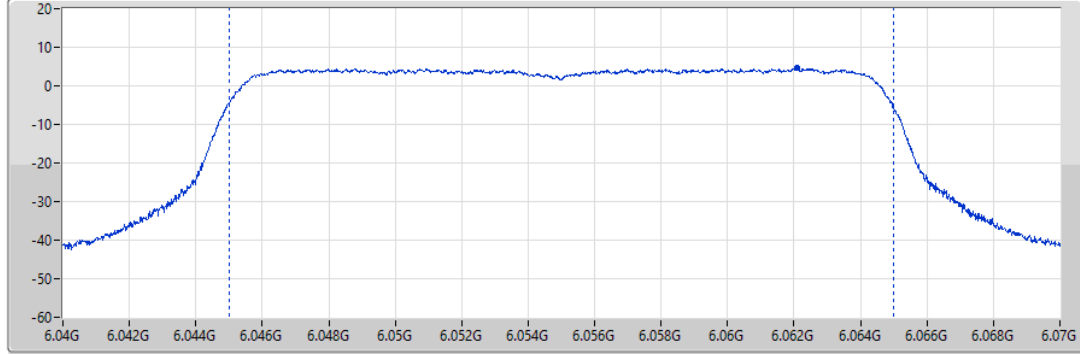
RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS

CP BW (Hz)
20M



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
16.15	16.15

5.925-6.425GHz_802.11ax HEW20_1TX

PSD

6055MHz

25/06/2024

CF (Hz)
6.055G

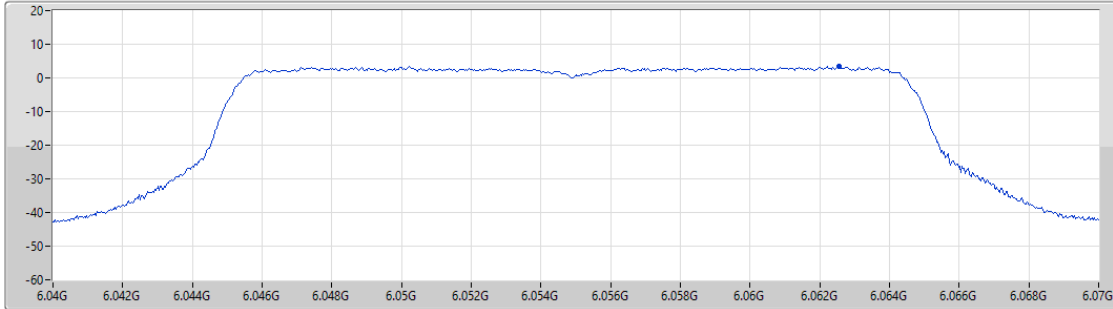
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Port 1

Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)
3.52	3.52	3.52

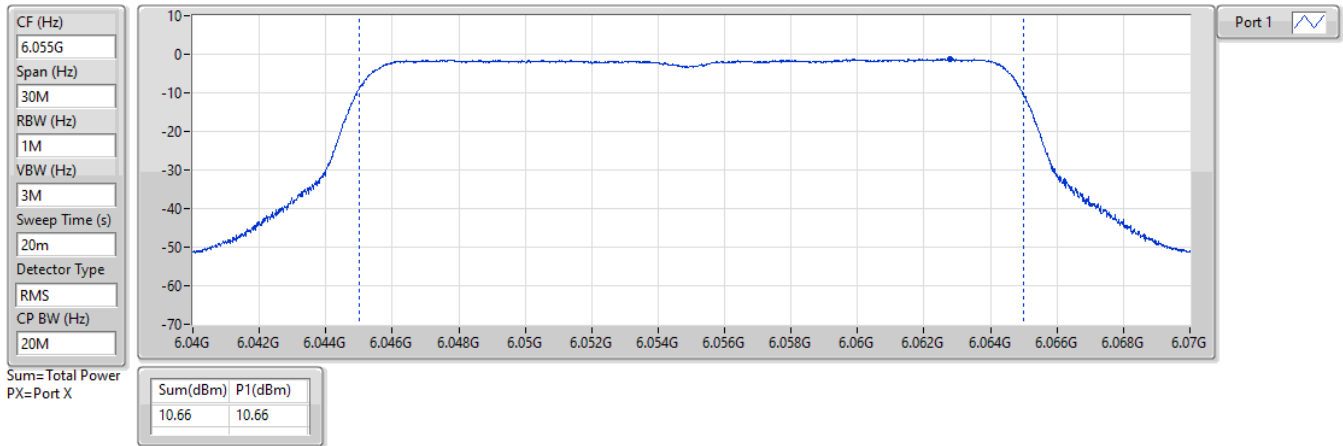
Frequency (MHz): 6055

5.925-6.425GHz_802.11ax HEW20_1TX

AV Power

6055MHz_TX

25/06/2024

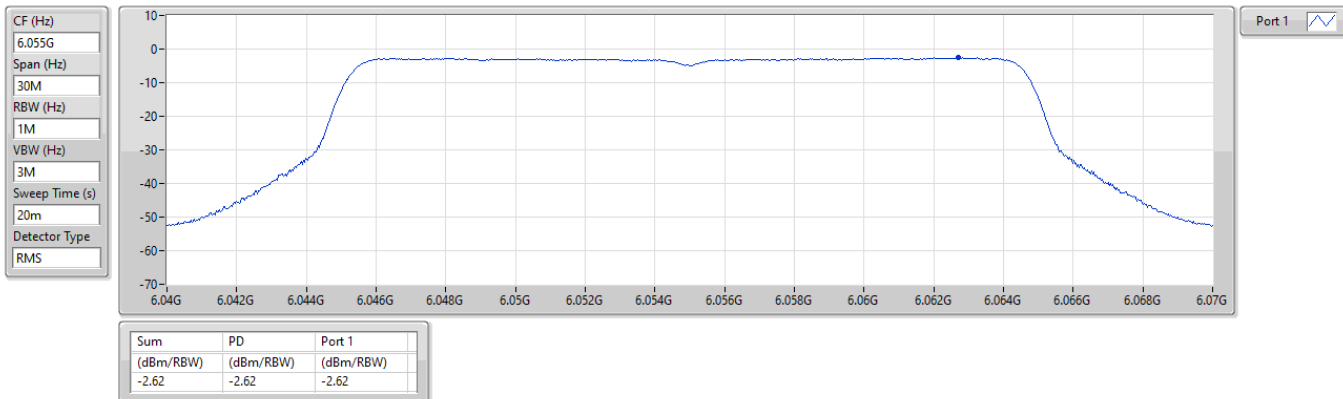


5.925-6.425GHz_802.11ax HEW20_1TX

PSD

6055MHz

25/06/2024



CT_AFC_SP_AP_AFCDUAU34_Frequency_10617_1

Bandwidth: 20MHz

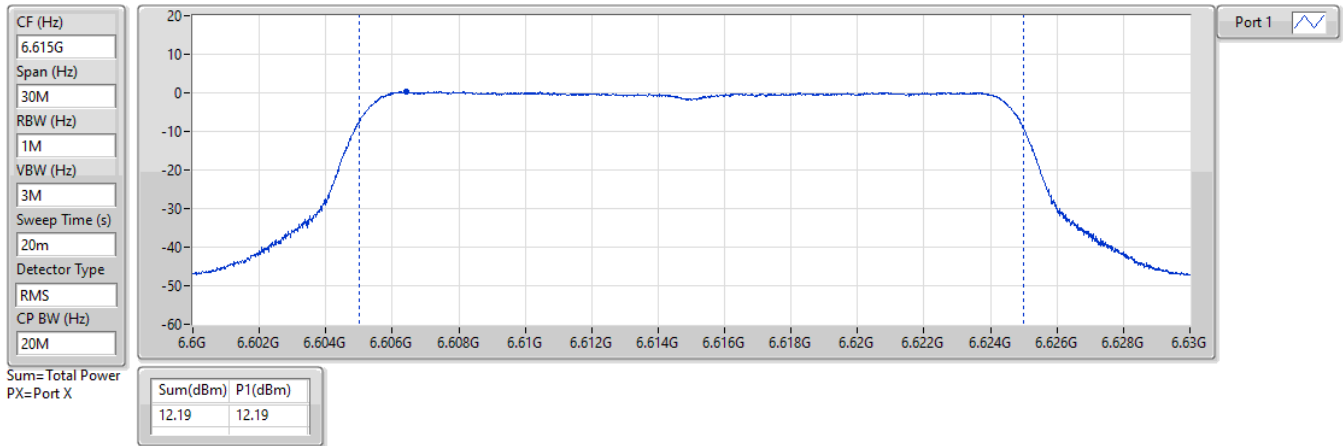
Frequency (MHz): 6615

6.525-6.875GHz_802.11ax HEW20_1TX

AV Power

6615MHz_TX

25/06/2024

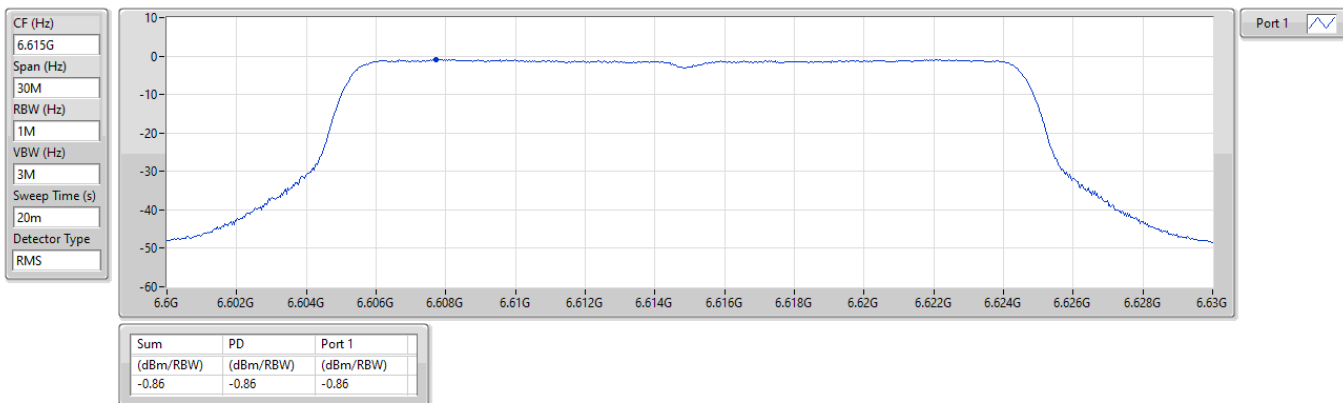


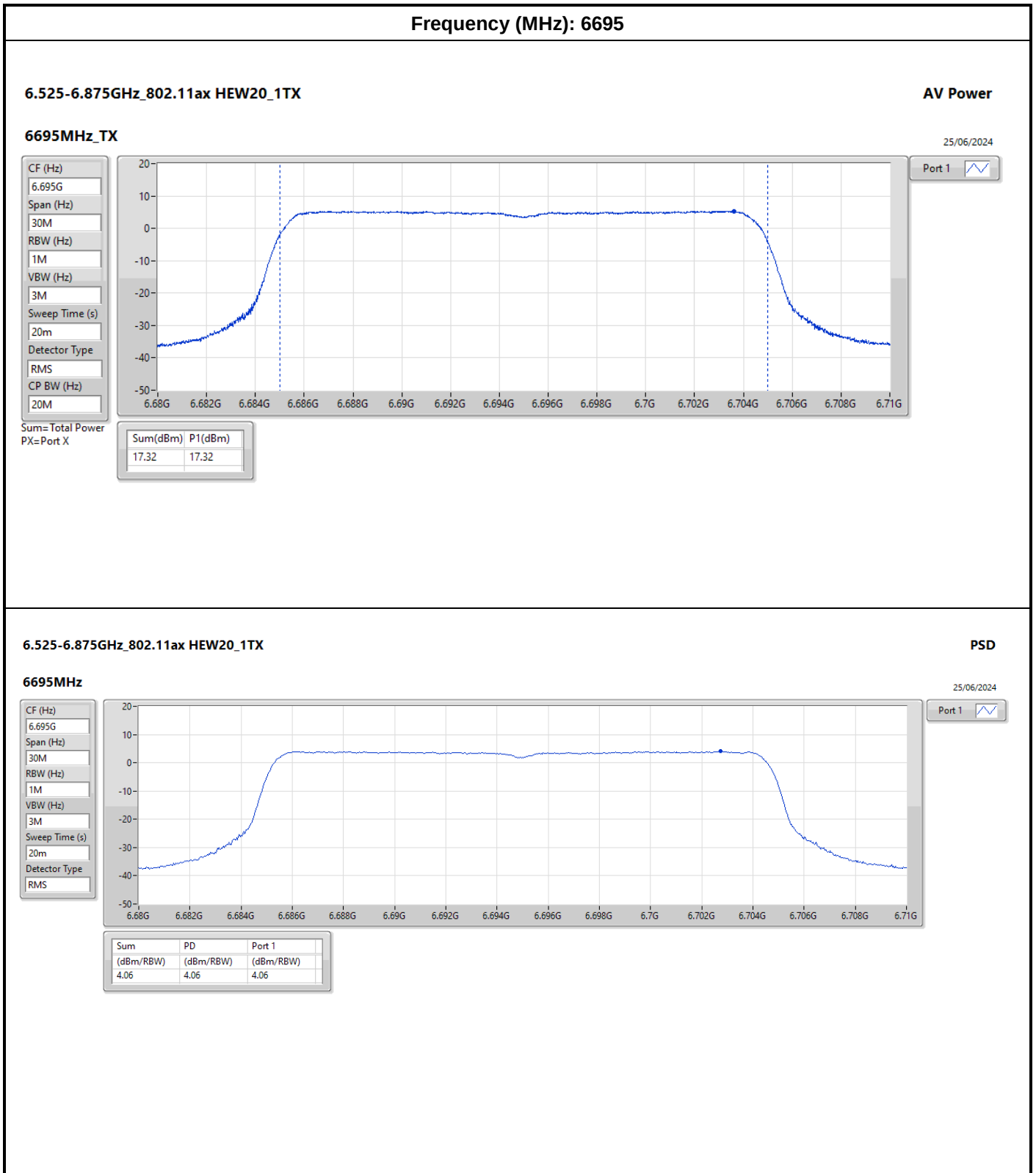
6.525-6.875GHz_802.11ax HEW20_1TX

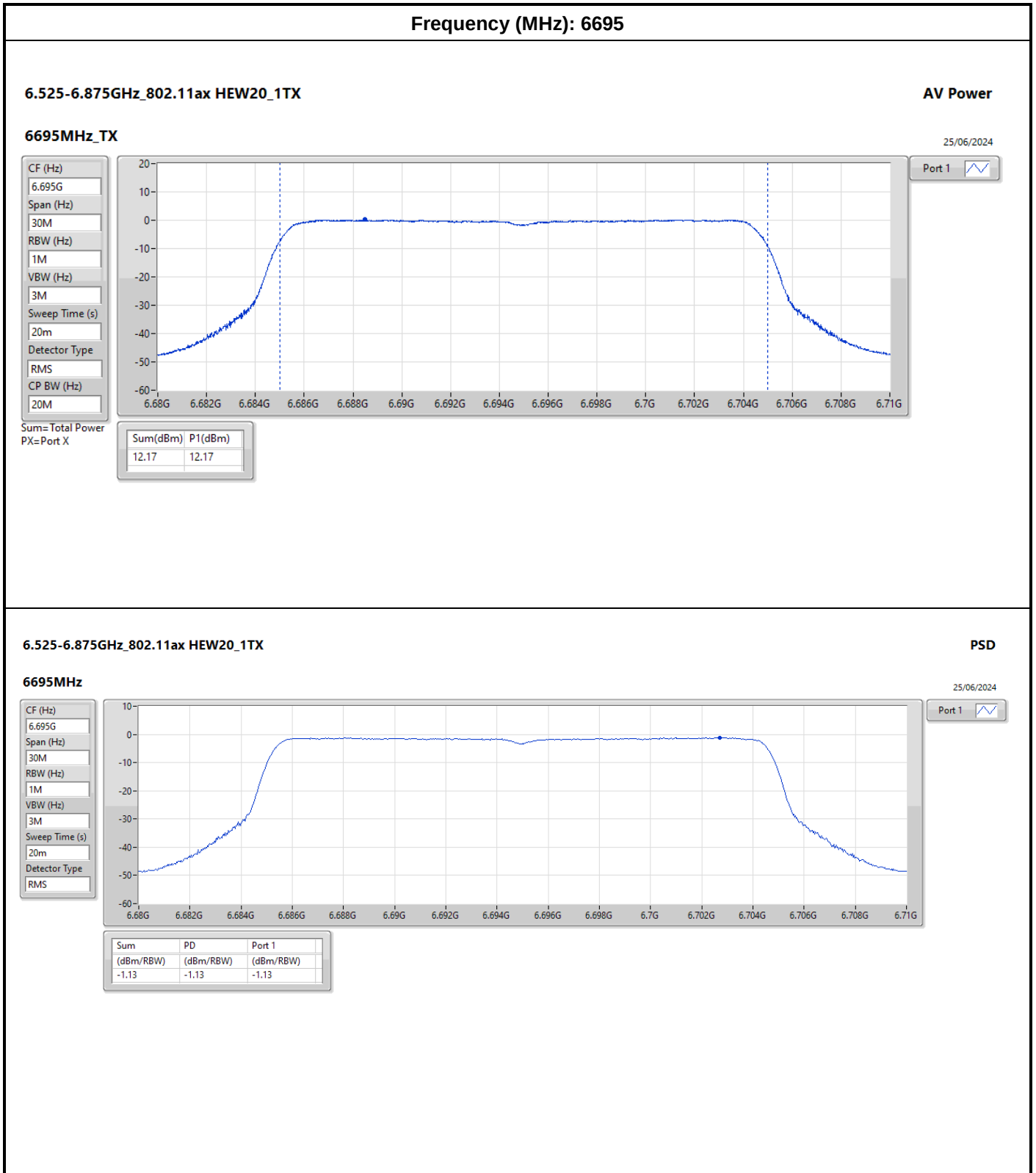
PSD

6615MHz

25/06/2024







6.525-6.875GHz_802.11ax HEW20_1TX

PSD

CF (Hz)
6.695G

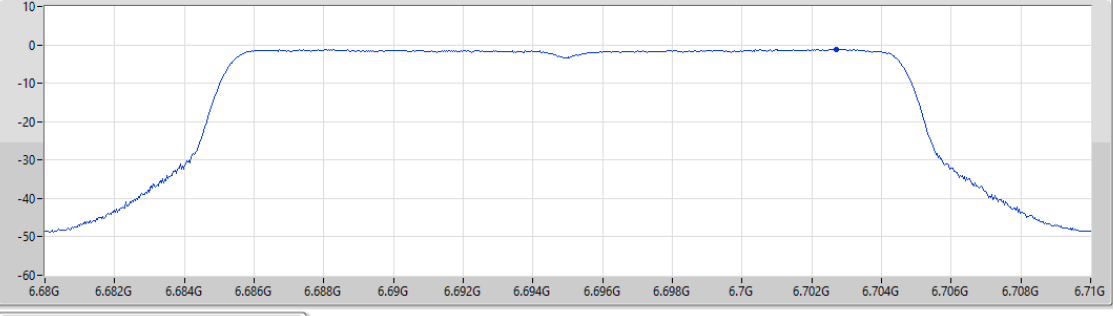
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS

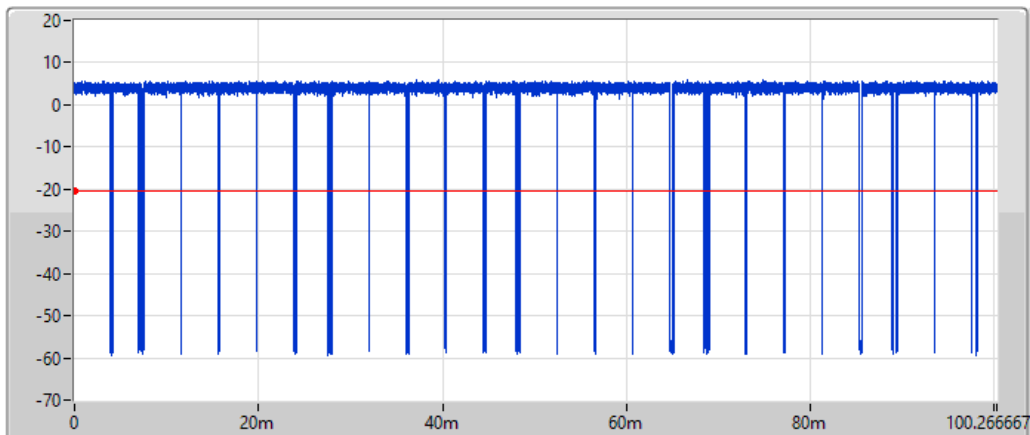


Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.13	-1.13	-1.13

Duty Cycle

Bandwidth: 20MHz

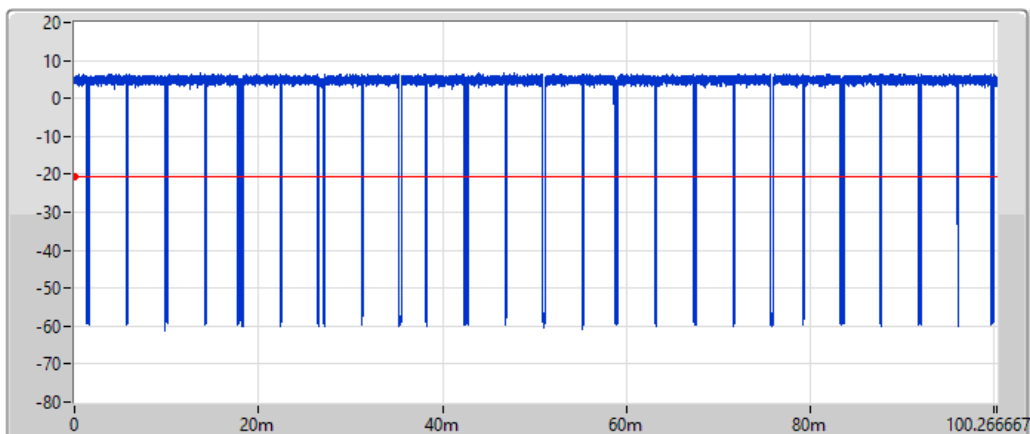
DC;ax20;BWch:20



Ch Freq (Hz)	RBW (Hz)	VBW (Hz)	Sweep Time (s)	Total Sample	Sample Time (s)	TX Time (s)	DC
5.975G	8M	8M	100.267m	32001	3.133344u	95.592051m	0.953

Bandwidth: 40MHz

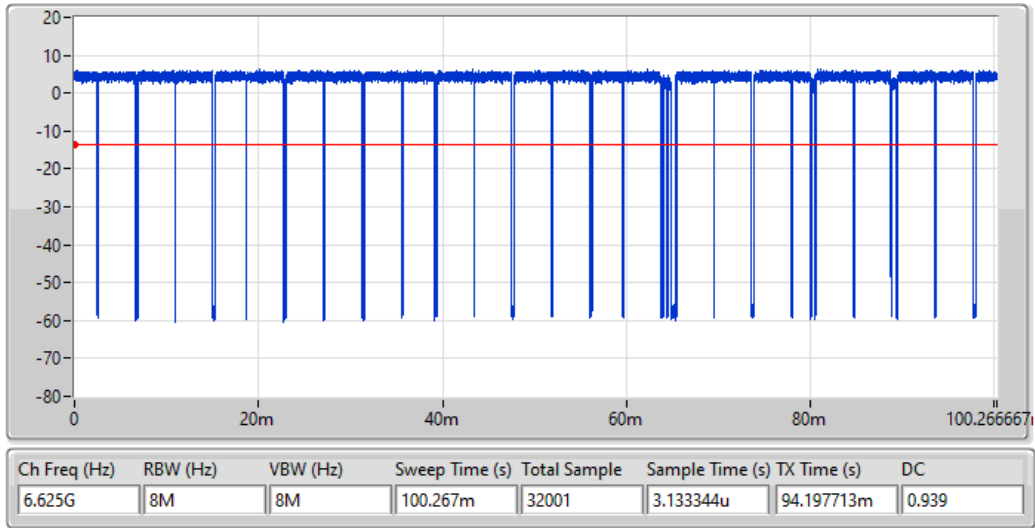
DC;ax40;BWch:40



Ch Freq (Hz)	RBW (Hz)	VBW (Hz)	Sweep Time (s)	Total Sample	Sample Time (s)	TX Time (s)	DC
6.645G	8M	8M	100.267m	32001	3.133344u	94.633248m	0.944

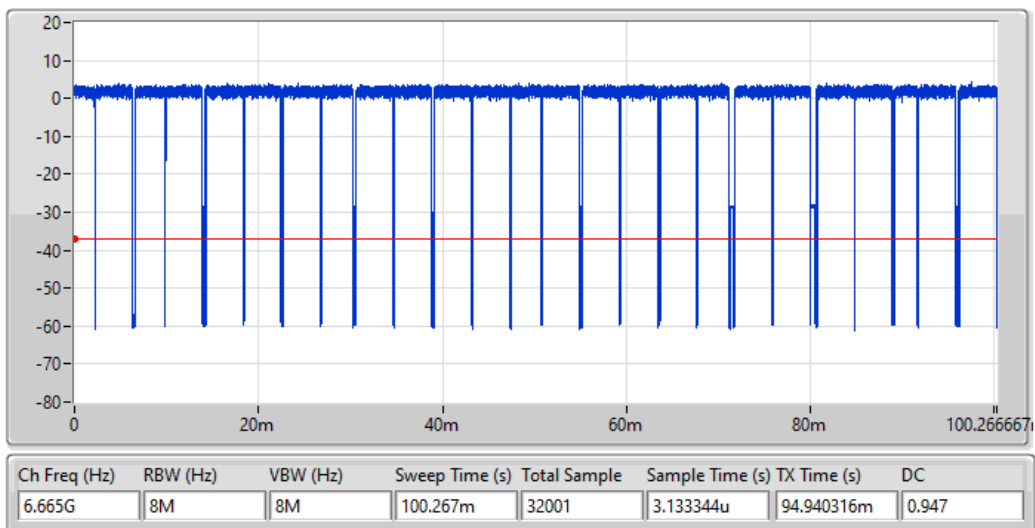
Bandwidth: 80MHz

DC;ax80;BWch:80



Bandwidth: 160MHz

DC;ax160;BWch:160



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

Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Antenna Gain (dBi)	Power (dBm)	EIRP (dBm)	AFC Response Limit (dBm)	Result	PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
6215	LPI	20	5.86	1.64	7.50	-	N/A	-11.55	-5.69	5.00	Pass
6375	SP	20	5.86	14.68	20.54	29.70	Pass	1.28	7.14	-	N/A
6615	SP	20	6.85	16.38	23.23	32.40	Pass	3.04	9.89	-	N/A
6605	LPI	40	6.85	4.69	11.54	-	N/A	-11.73	-4.88	5.00	Pass
6765	SP	40	6.85	16.98	23.83	28.80	Pass	0.68	7.53	-	N/A
6685	SP	40	6.85	16.32	23.17	35.60	Pass	-0.12	6.73	-	N/A
6705	LPI	80	6.85	7.83	14.68	-	N/A	-11.62	-4.77	5.00	Pass
6705	SP	80	6.85	16.59	23.44	33.20	Pass	-2.96	3.89	-	N/A
6225	SP	80	5.86	16.19	22.05	29.70	Pass	-2.83	3.03	-	N/A
6185	LPI	160	5.86	8.09	13.95	-	N/A	-13.80	-7.94	5.00	Pass
6345	SP	160	5.86	15.75	21.61	31.20	Pass	-5.97	-0.11	-	N/A
6665	SP	160	6.85	14.50	21.35	33.80	Pass	-6.80	0.05	-	N/A

AFCD.USA: Unsuccessful spectrum access request

Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Antenna Gain (dBi)	Power (dBm)	EIRP (dBm)	AFC Response Limit (dBm)	Result	PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
5975	LPI	20	5.86	2.00	7.86	-	N/A	-11.15	-5.29	5.00	Pass
5975	LPI	20	5.86	2.01	7.87	-	N/A	-11.13	-5.27	5.00	Pass

AFCD.SAU: Successful spectrum access update

Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Antenna Gain (dBi)	Power (dBm)	EIRP (dBm)	AFC Response Limit (dBm)	Result	PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
6775	LPI	20	6.85	2.57	9.42	-	N/A	-10.70	-3.85	5.00	Pass
6135	SP	20	5.86	15.88	21.74	25.10	Pass	2.53	8.39	-	N/A
6135	LPI	20	5.86	2.27	8.13	-	N/A	-11.11	-5.25	5.00	Pass

AFCD.UAU: Unsuccessful spectrum access update

Freq. (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Antenna Gain (dBi)	Power (dBm)	EIRP (dBm)	AFC Response Limit (dBm)	Result	PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)	Result
6135	LPI	20	5.86	2.28	8.14	-	N/A	-11.09	-5.23	5.00	Pass
6695	SP	20	6.85	16.45	23.30	36.00	Pass	3.12	9.97	-	N/A
6695	LPI	20	6.85	2.85	9.70	-	N/A	-10.48	-3.63	5.00	Pass

AFC capability - Inquired Channel

CT_AFC_SP_AP_AFCRSA31_Channel_20MHz_10618_1

Frequency (MHz): 6215

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

AV Power

6215MHz_TX

03/08/2024

CF (Hz)
6.215G

Span (Hz)
30M

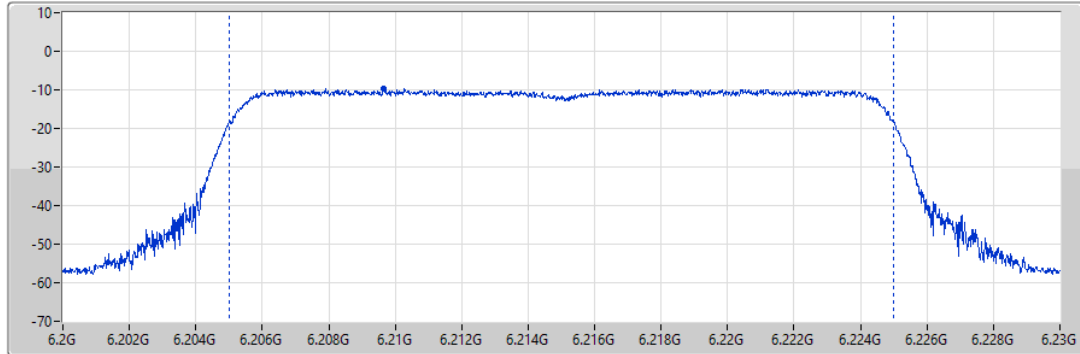
RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
1.067m

Detector Type
RMS

CP BW (Hz)
20M



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
1.64	1.64

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

PSD

6215MHz

03/08/2024

CF (Hz)
6.215G

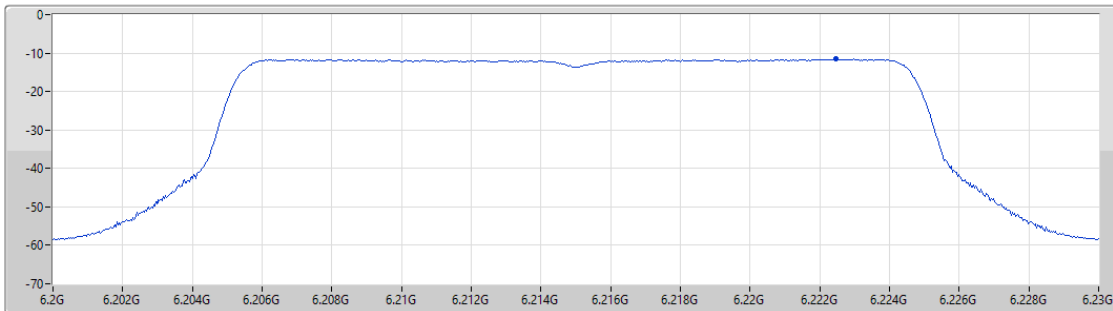
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

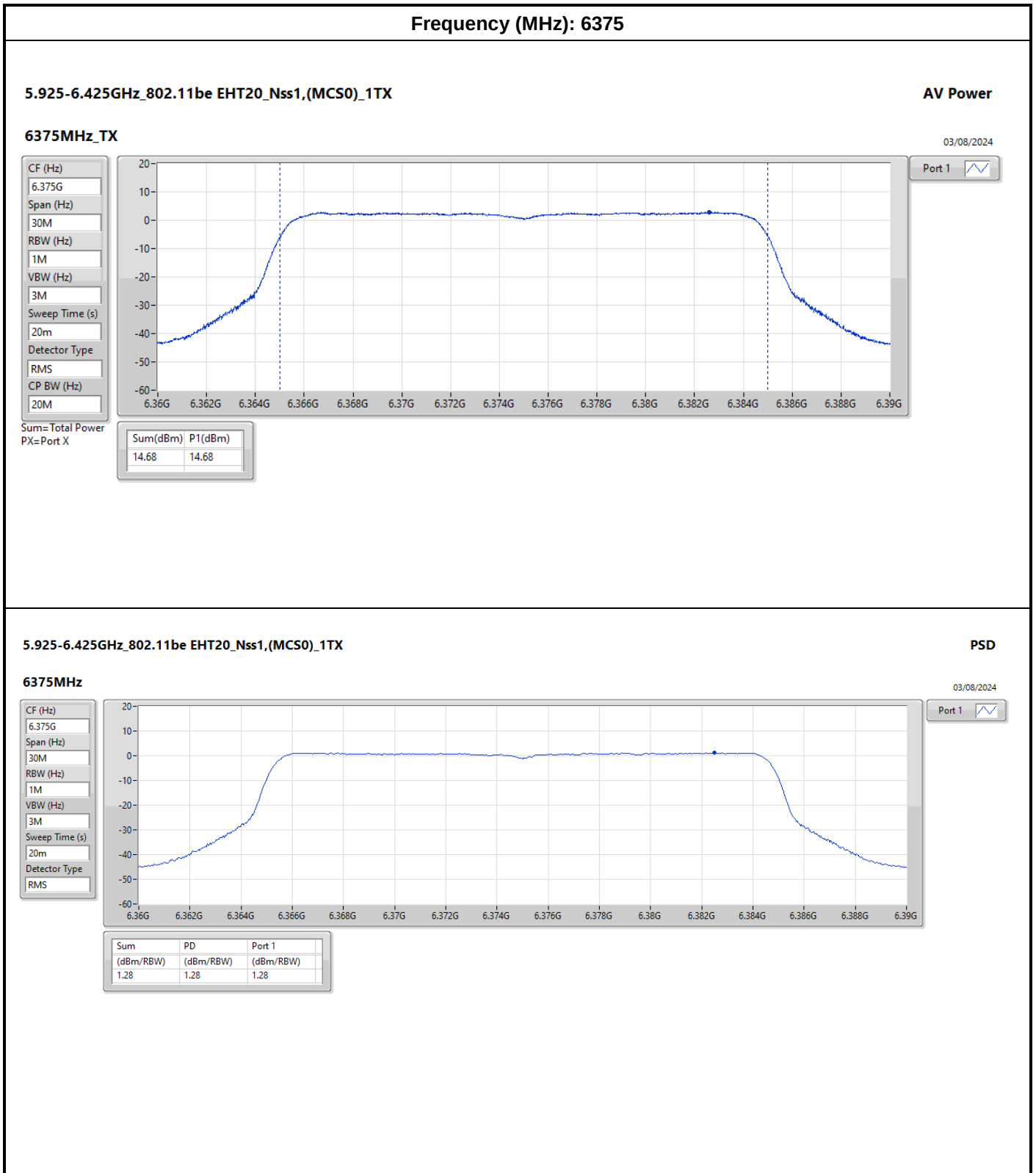
Sweep Time (s)
20m

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.55	-11.55	-11.55



Frequency (MHz): 6615

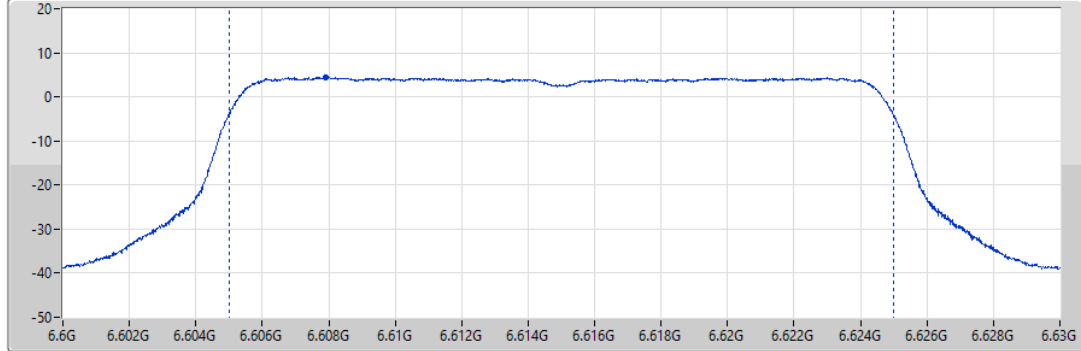
6.525-6.875GHz_802.11be EHT20_Nss1,(MCS0)_1TX

AV Power

6615MHz_TX

03/08/2024

CF (Hz)
6.615G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS
CP BW (Hz)
20M



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
16.38	16.38

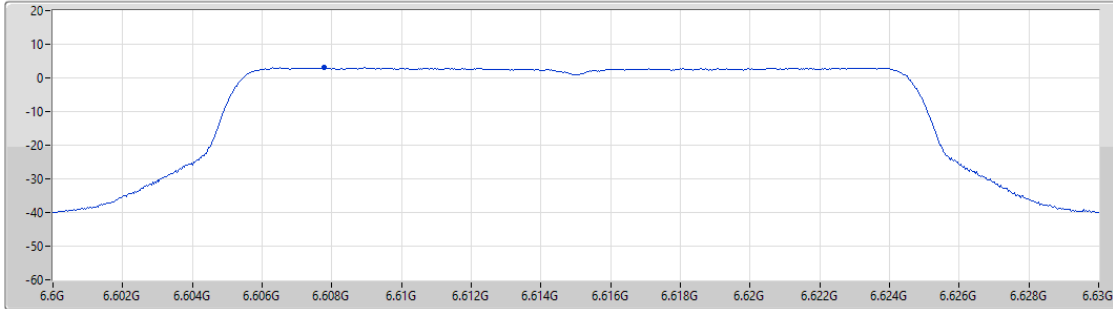
6.525-6.875GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

6615MHz

03/08/2024

CF (Hz)
6.615G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Port 1

Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)
3.04	3.04	3.04

CT_AFC_SP_AP_AFCRSA31_Channel_40MHz_10619_1

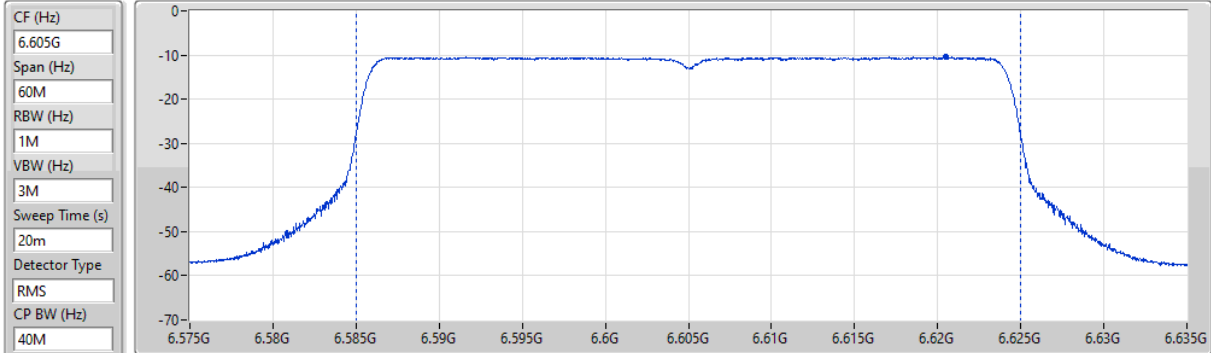
Frequency (MHz): 6605

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

AV Power

6605MHz_TX

03/08/2024



Port 1

Sum=Total Power
PX=Port X

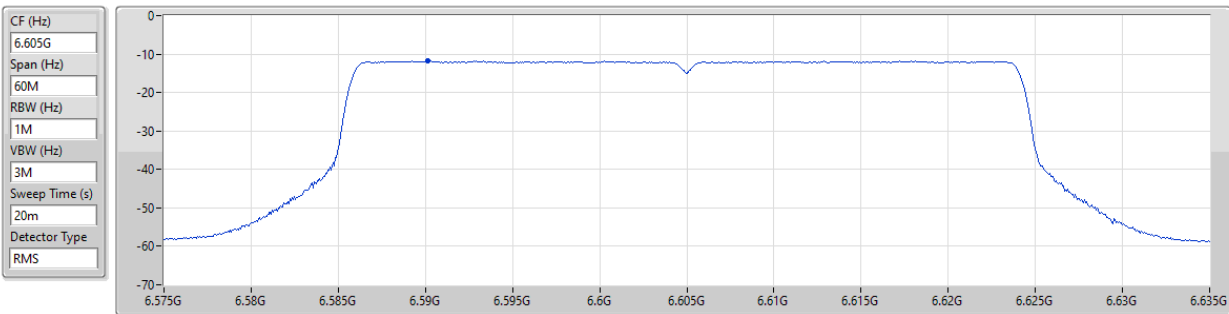
Sum(dBm)	P1(dBm)
4.69	4.69

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

PSD

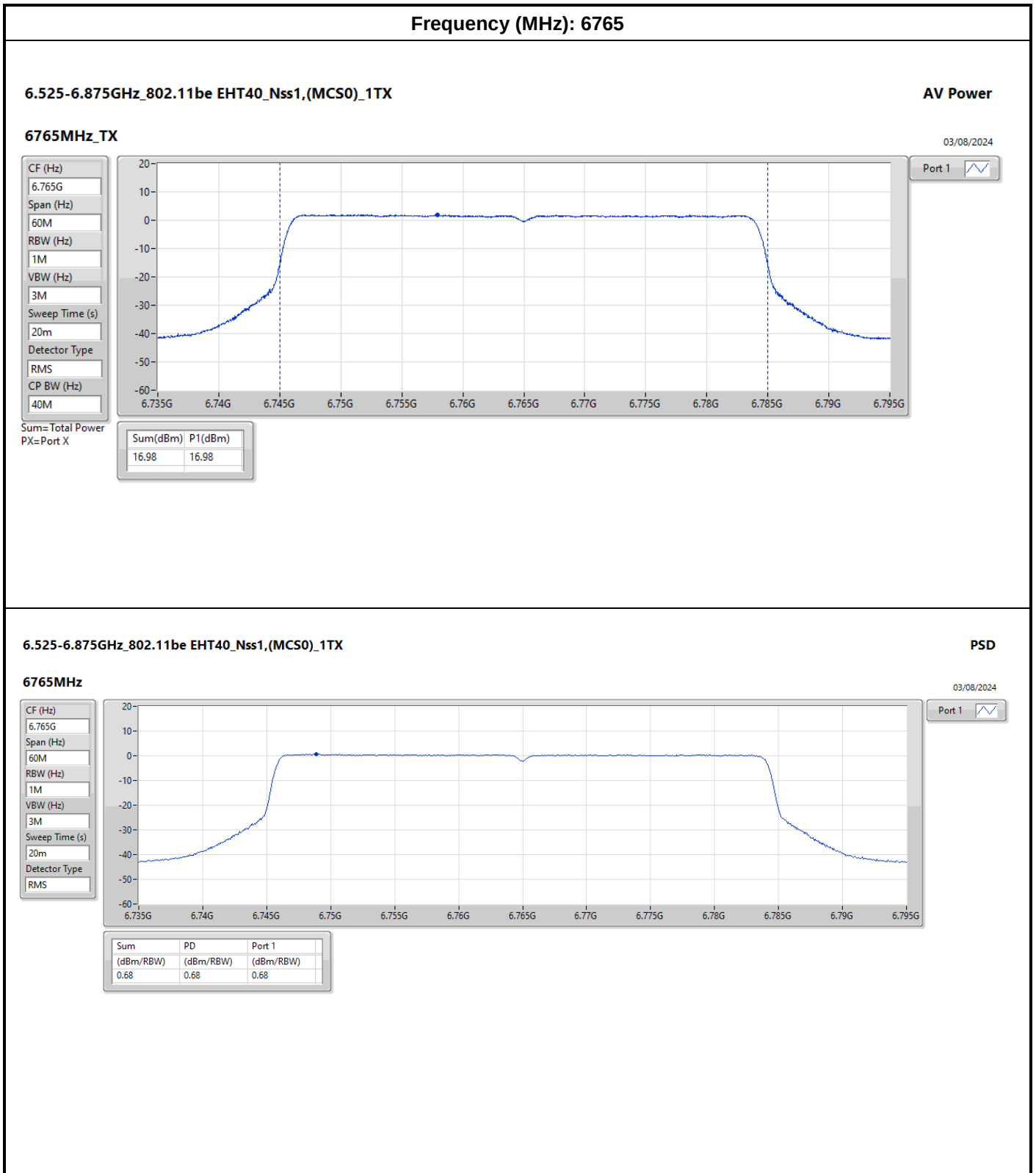
6605MHz

03/08/2024



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.73	-11.73	-11.73



Frequency (MHz): 6685

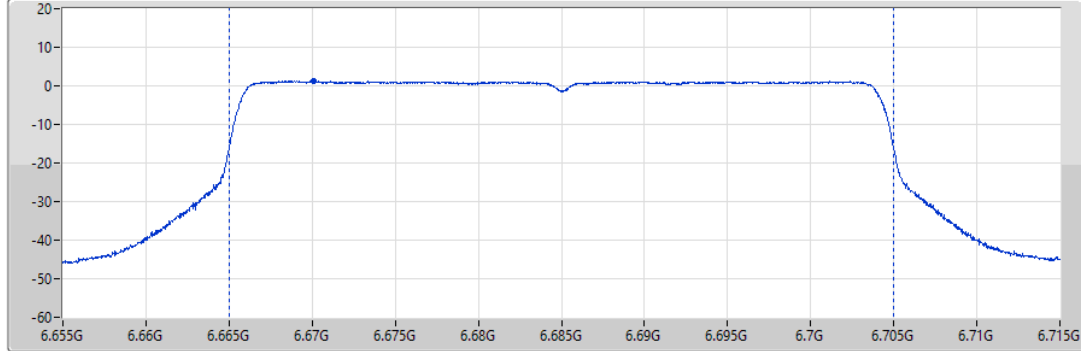
6.525-6.875GHz_802.11be EHT40_Nss1,(MCS0)_1TX

AV Power

6685MHz_TX

03/08/2024

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



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
16.32	16.32

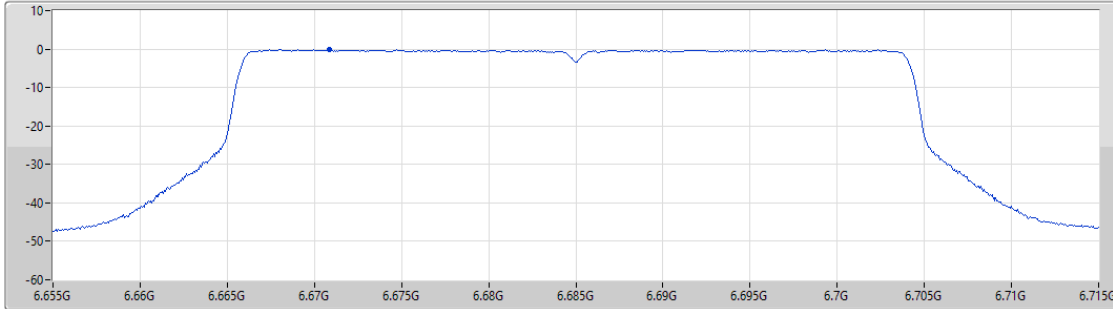
6.525-6.875GHz_802.11be EHT40_Nss1,(MCS0)_1TX

PSD

6685MHz

03/08/2024

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



Port 1

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

CT_AFC_SP_AP_AFCRSA31_Channel_80MHz_10620_1

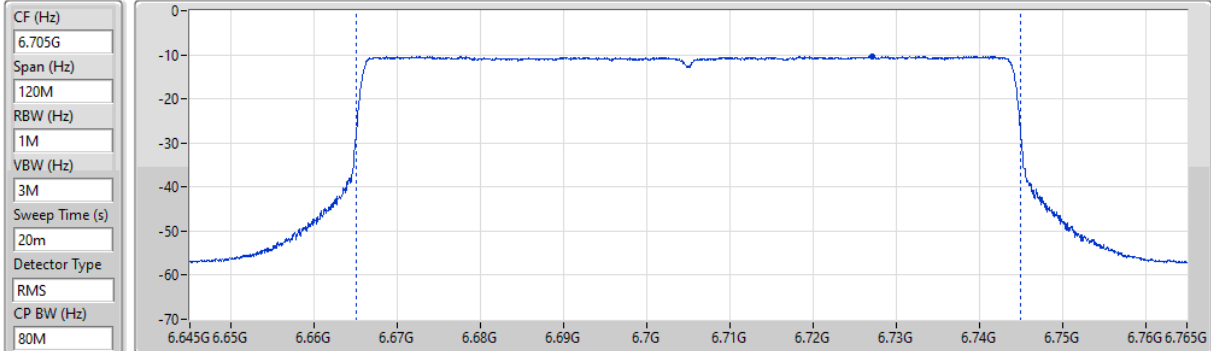
Frequency (MHz): 6705

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

AV Power

6705MHz_TX

04/08/2024



Sum=Total Power
 PX=Port X

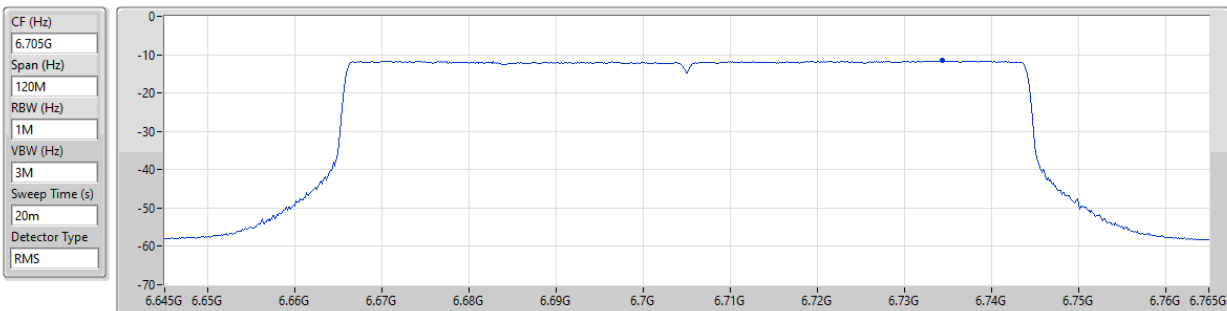
Sum(dBm)	P1(dBm)
7.83	7.83

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

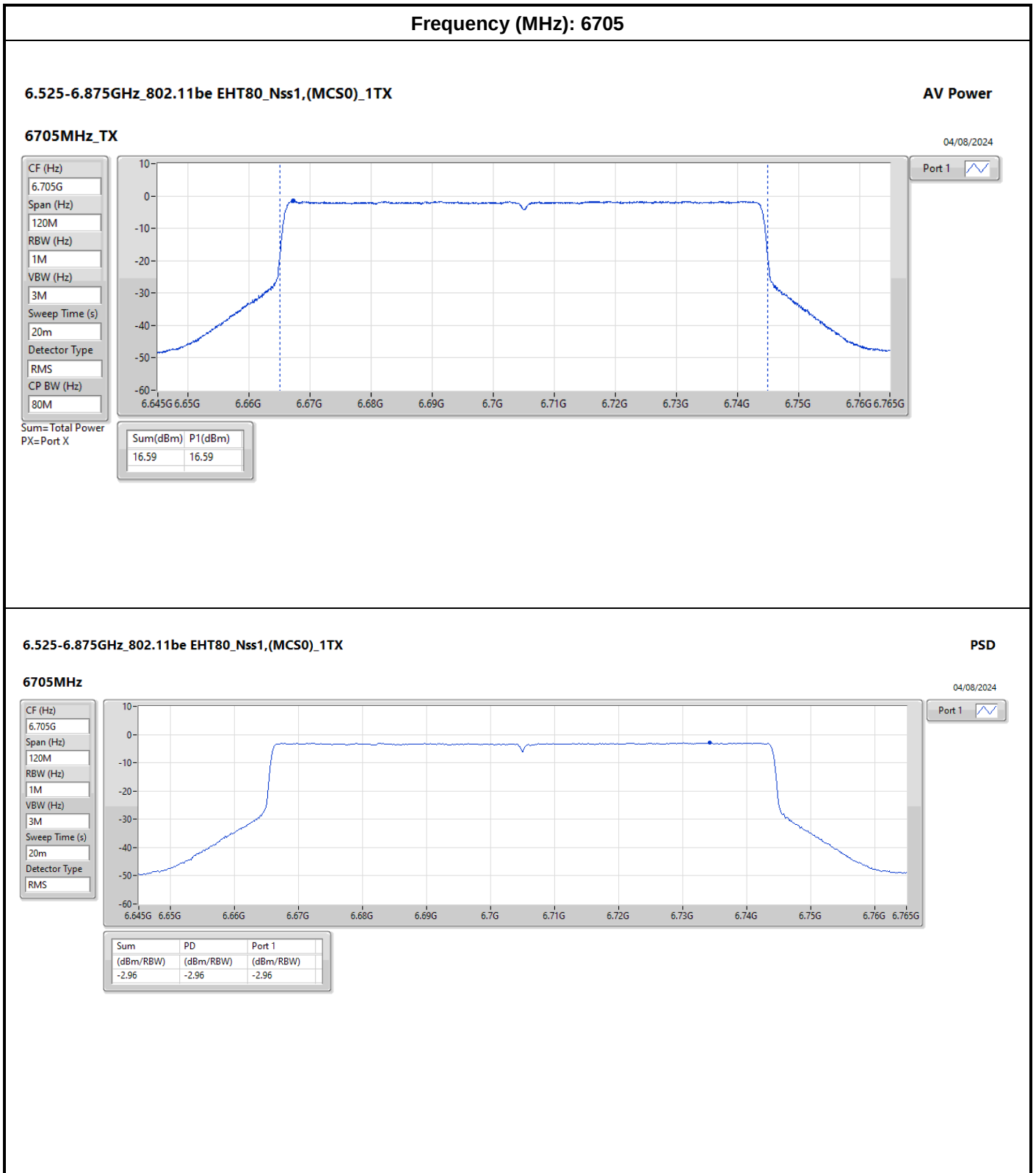
PSD

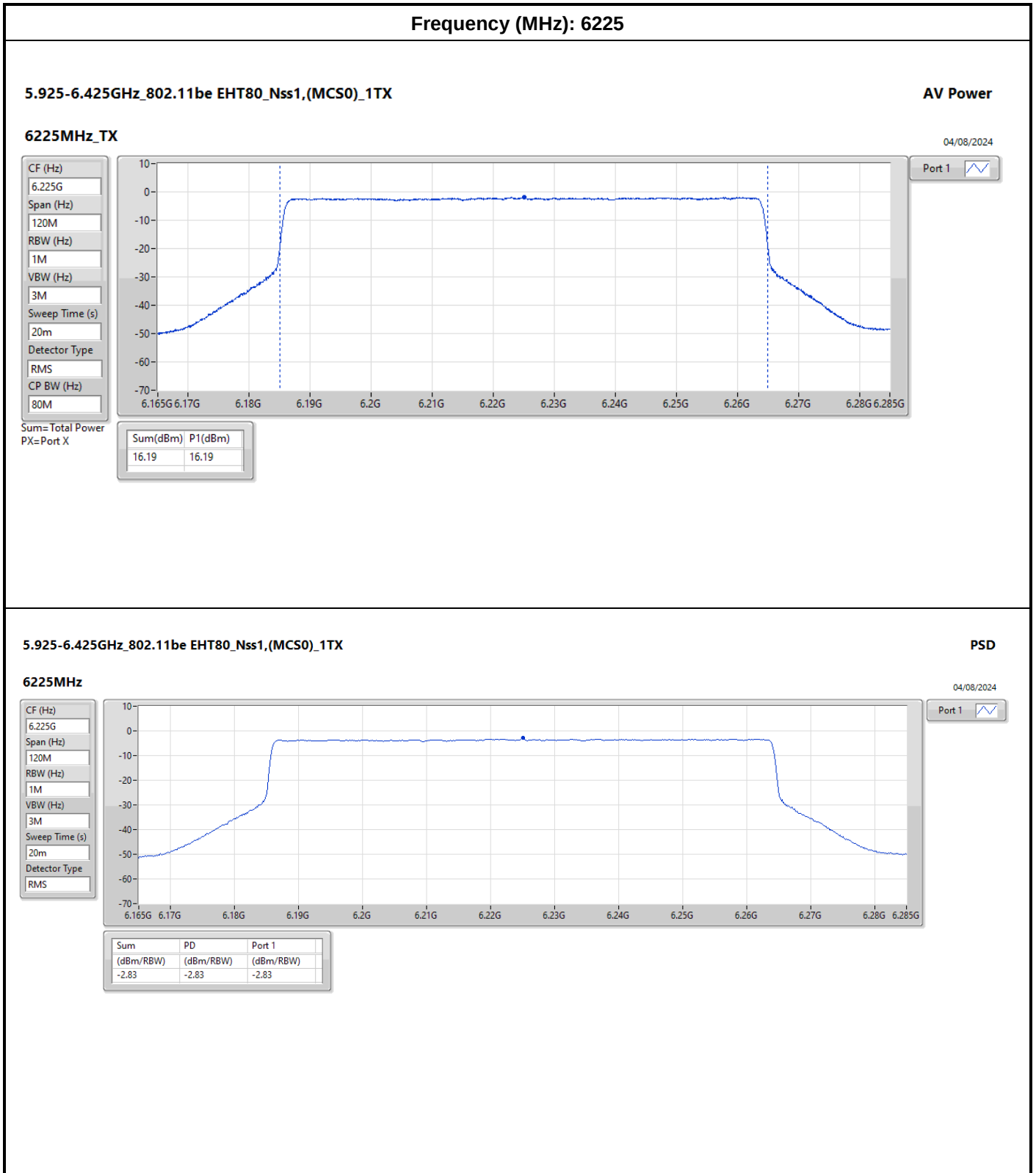
6705MHz

04/08/2024



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.62	-11.62	-11.62





CT_AFC_SP_AP_AFCDRSA31_Channel_160MHz_10621_1

Frequency (MHz): 6185

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

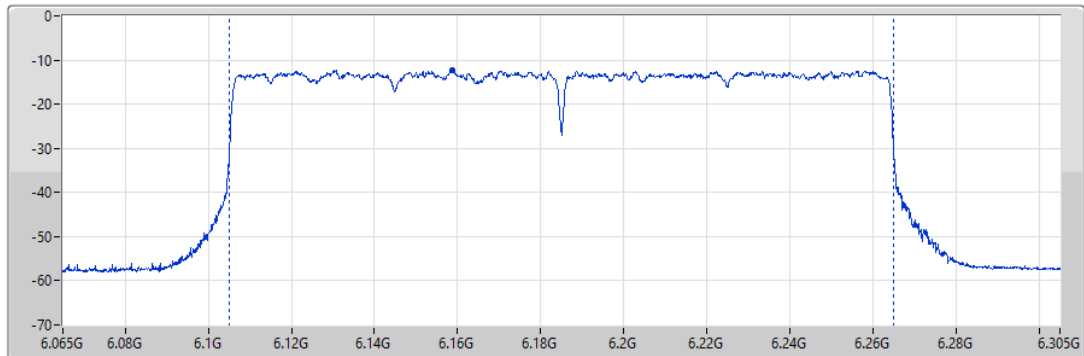
AV Power

6185MHz_TX

04/08/2024

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

Sum=Total Power
PX=Port X



Port 1

Sum(dBm)	P1(dBm)
8.09	8.09

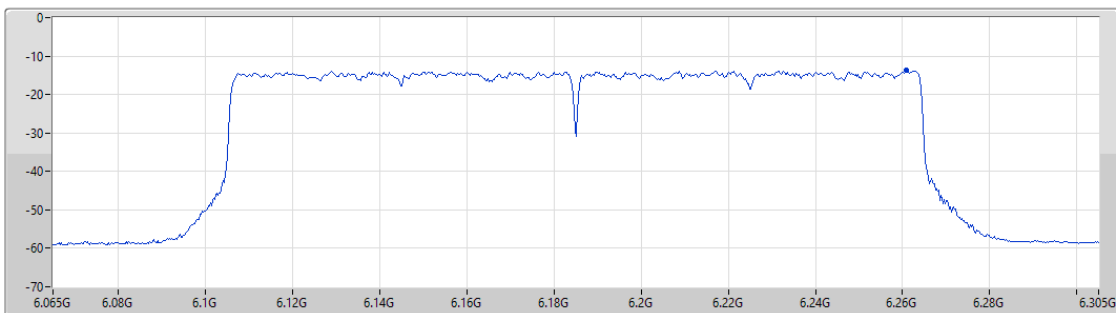
5.925-6.425GHz_802.11be EHT160_Nss1,(MCS0)_1TX

PSD

6185MHz

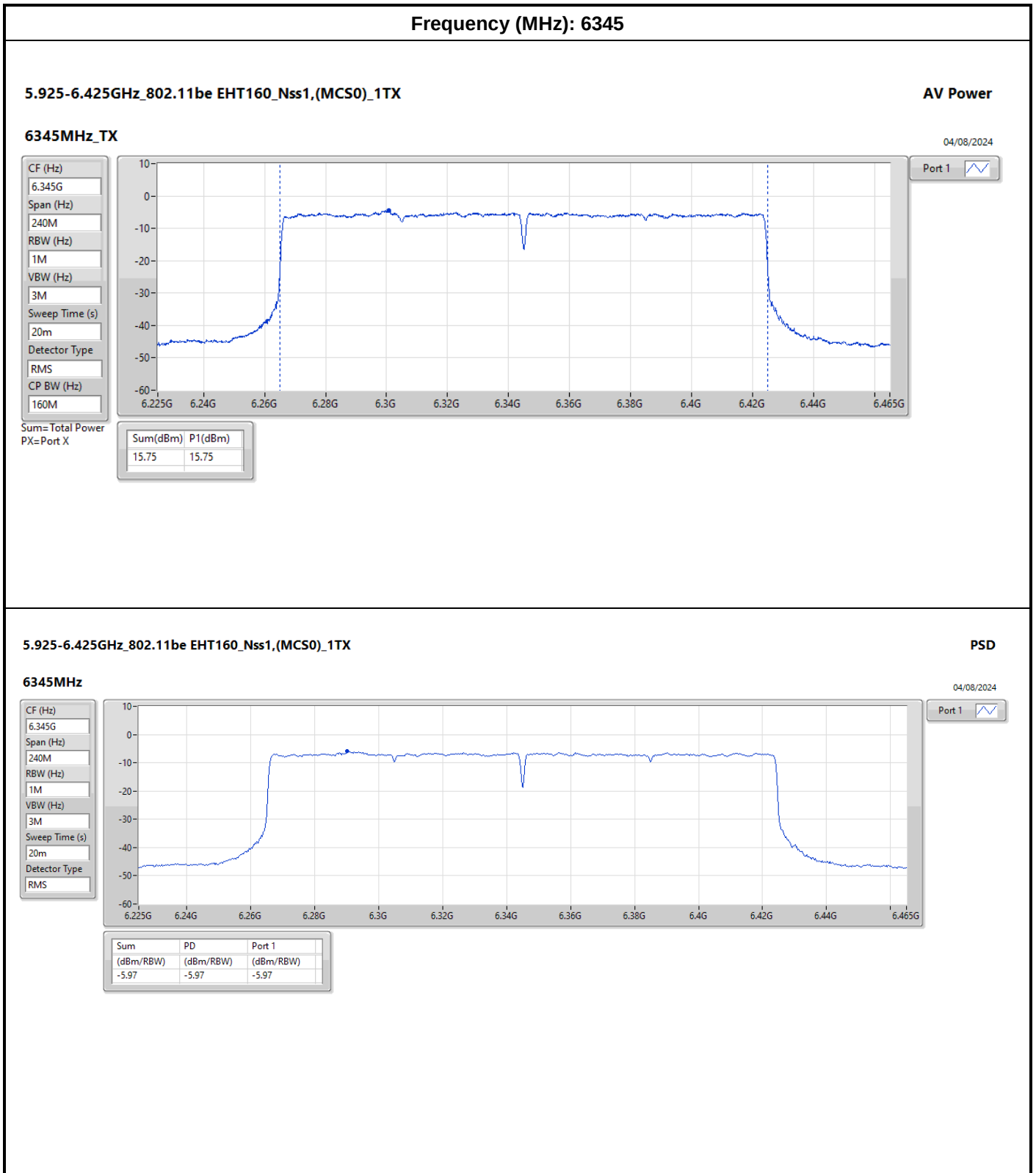
04/08/2024

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



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.80	-13.80	-13.80



Frequency (MHz): 6665

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

AV Power

6665MHz_TX

04/08/2024

CF (Hz)
6.665G

Span (Hz)
240M

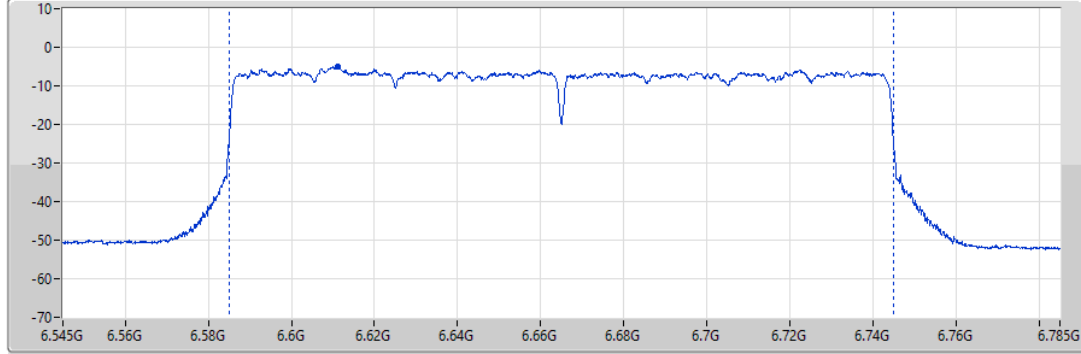
RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS

CP BW (Hz)
160M



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
14.50	14.50

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

PSD

6665MHz

04/08/2024

CF (Hz)
6.665G

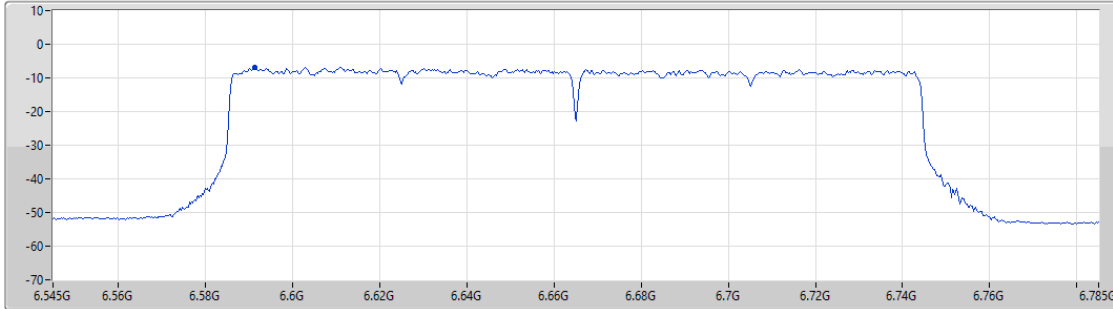
Span (Hz)
240M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Port 1

Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)
-6.80	-6.80	-6.80

CT_AFC_SP_AP_AFCDUSA32_Channel_10622_1

Bandwidth: 20MHz

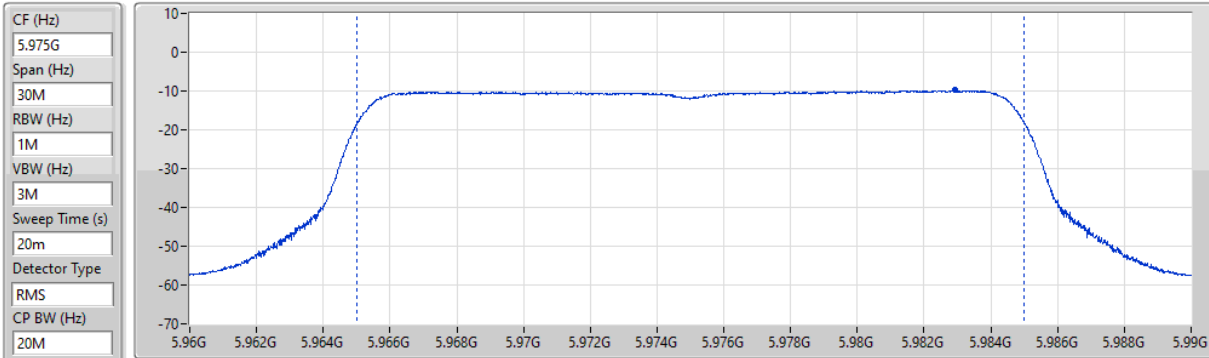
Frequency (MHz): 5975

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

AV Power

5975MHz_TX

04/08/2024



Sum=Total Power
PX=Port X

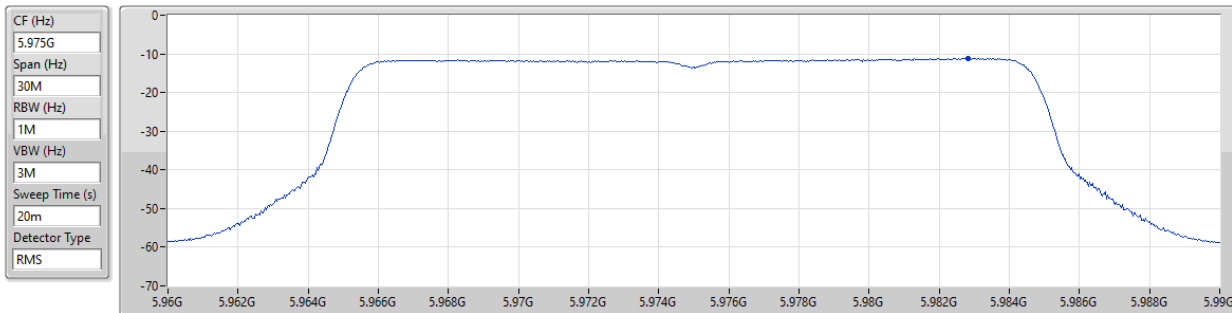
Sum(dBm)	P1(dBm)
2.00	2.00

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

PSD

5975MHz

04/08/2024



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.15	-11.15	-11.15

Frequency (MHz): 5975

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

AV Power

5975MHz_TX

04/08/2024

CF (Hz)
5.975G

Span (Hz)
30M

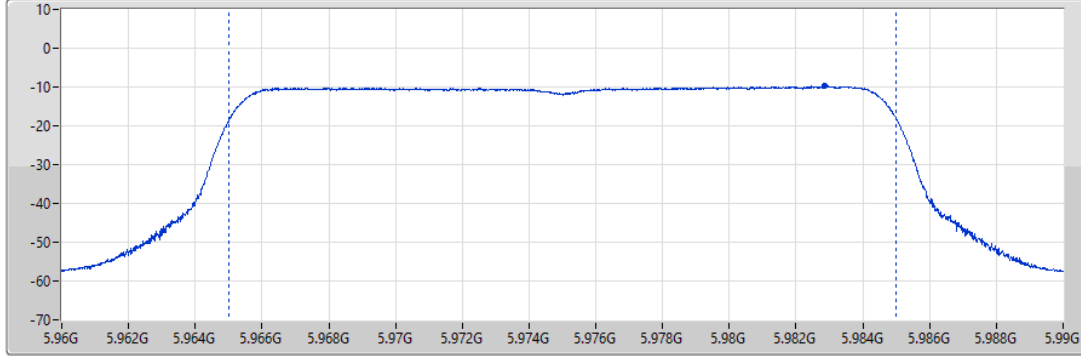
RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS

CP BW (Hz)
20M



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
2.01	2.01

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

PSD

5975MHz

04/08/2024

CF (Hz)
5.975G

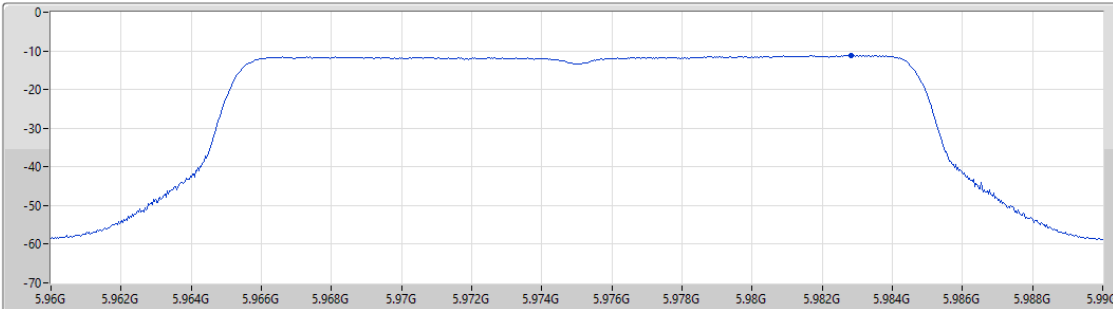
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.13	-11.13	-11.13

CT_AFC_SP_AP_AFCDSAU33_Channel_10623_1

Bandwidth: 20MHz

Frequency (MHz): 6775

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

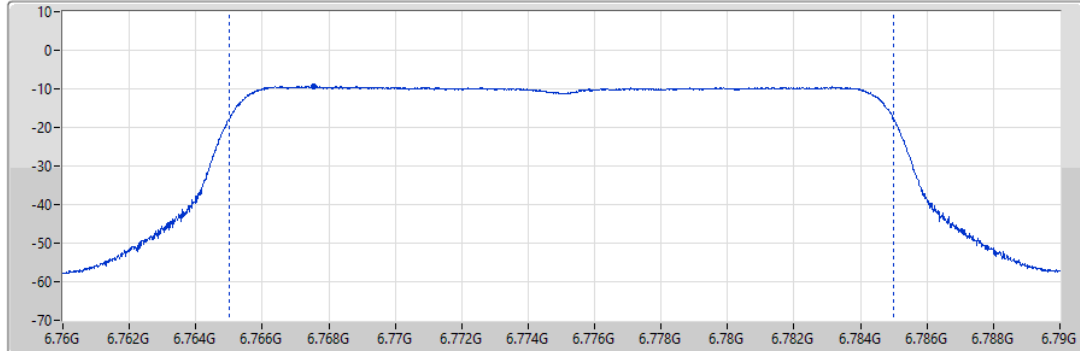
AV Power

6775MHz_TX

04/08/2024

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

Sum=Total Power
PX=Port X



Port 1

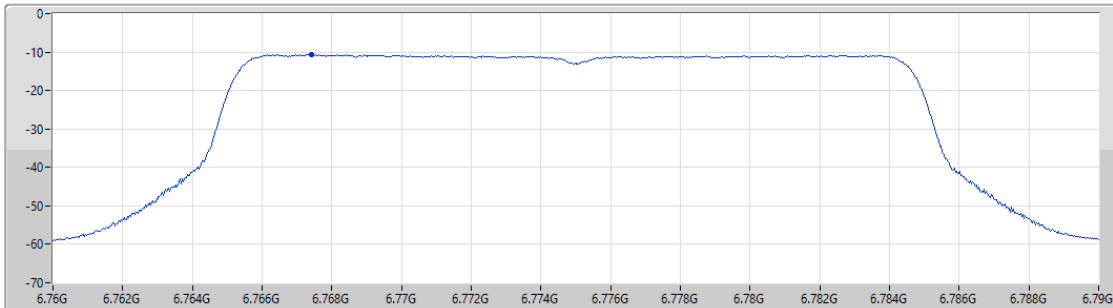
6.525-6.875GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

6775MHz

04/08/2024

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



Port 1

Frequency (MHz): 6135

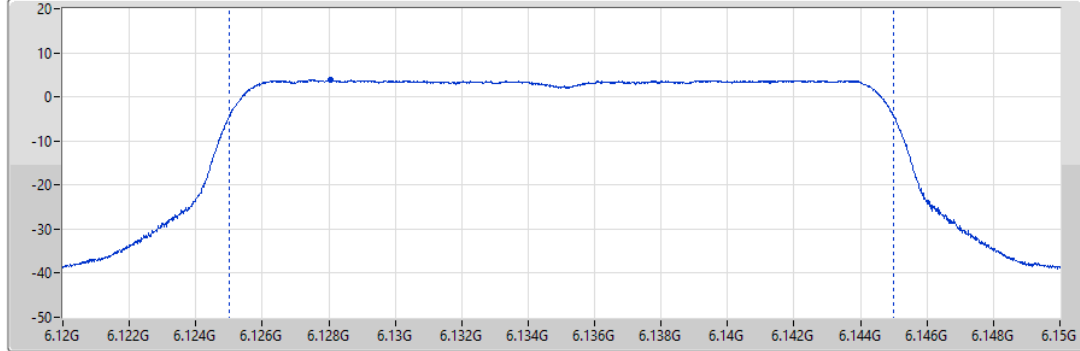
5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_1TX

AV Power

6135MHz_TX

04/08/2024

CF (Hz)
6.135G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS
CP BW (Hz)
20M



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
15.88	15.88

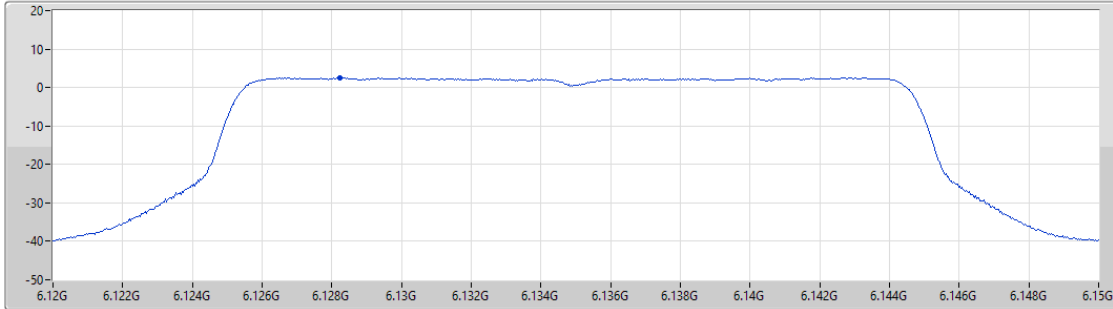
5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

6135MHz

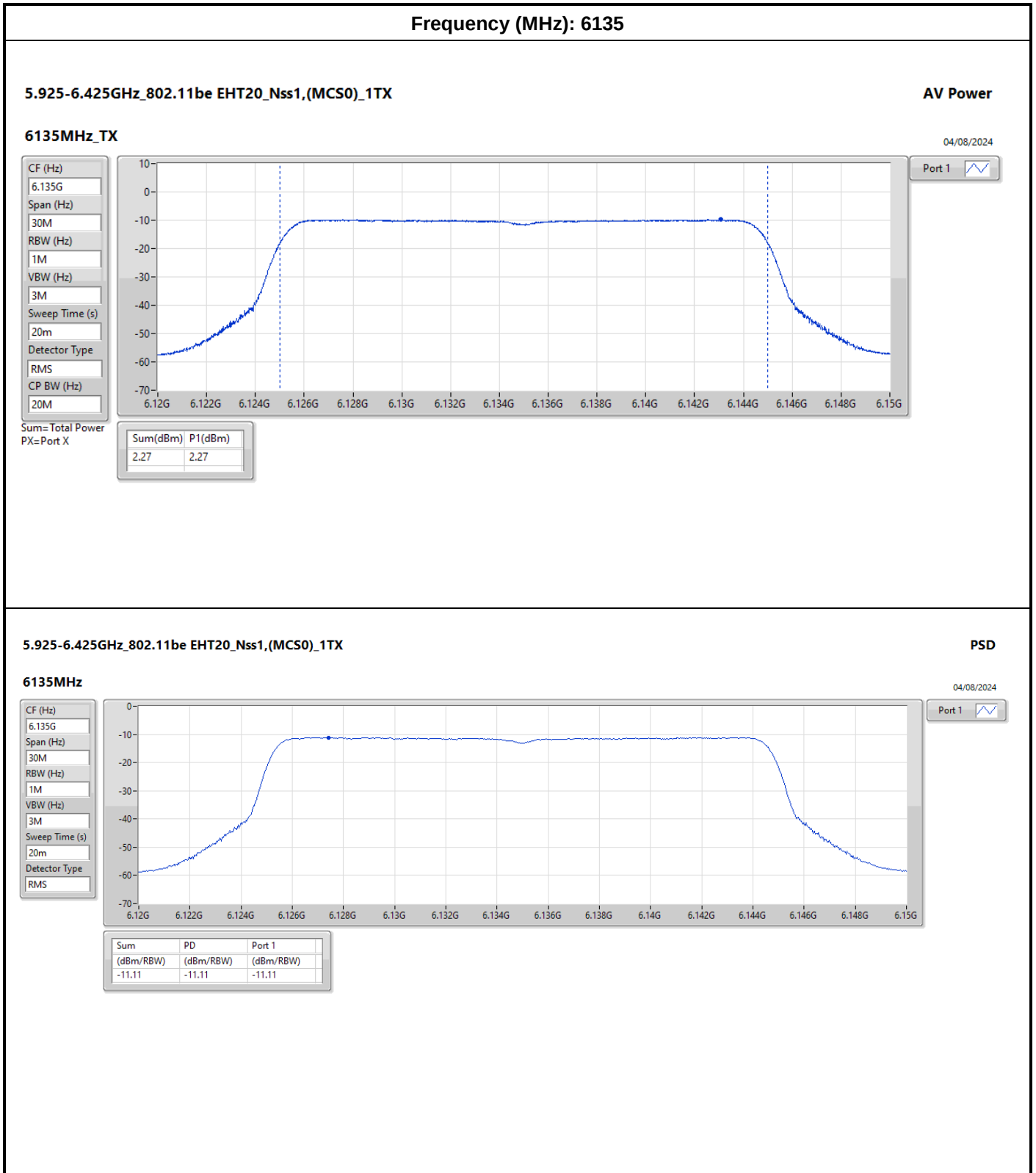
04/08/2024

CF (Hz)
6.135G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.53	2.53	2.53



CT_AFC_SP_AP_AFCDUAU34_Channel_10624_1

Bandwidth: 20MHz

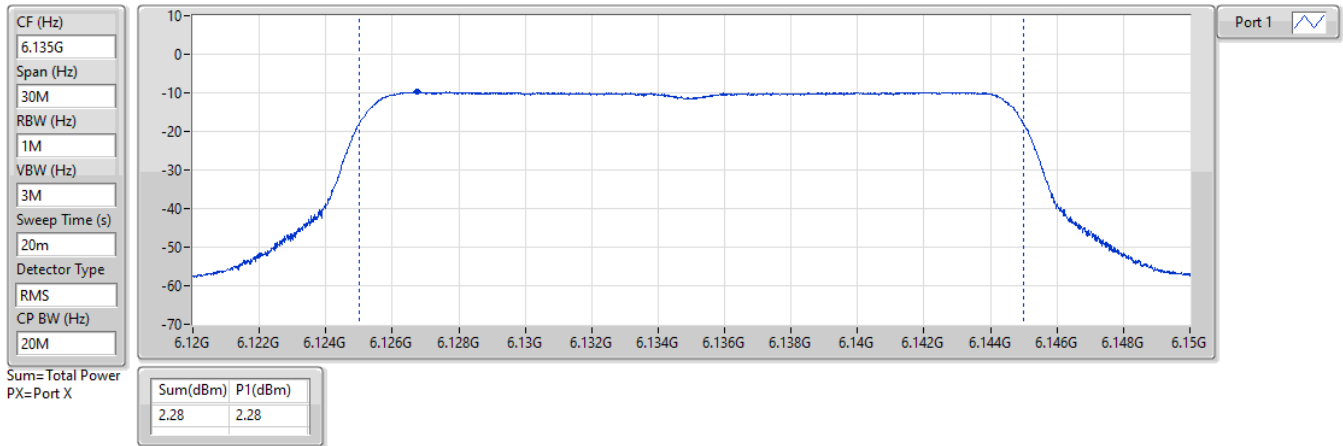
Frequency (MHz): 6135

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

AV Power

6135MHz_TX

04/08/2024

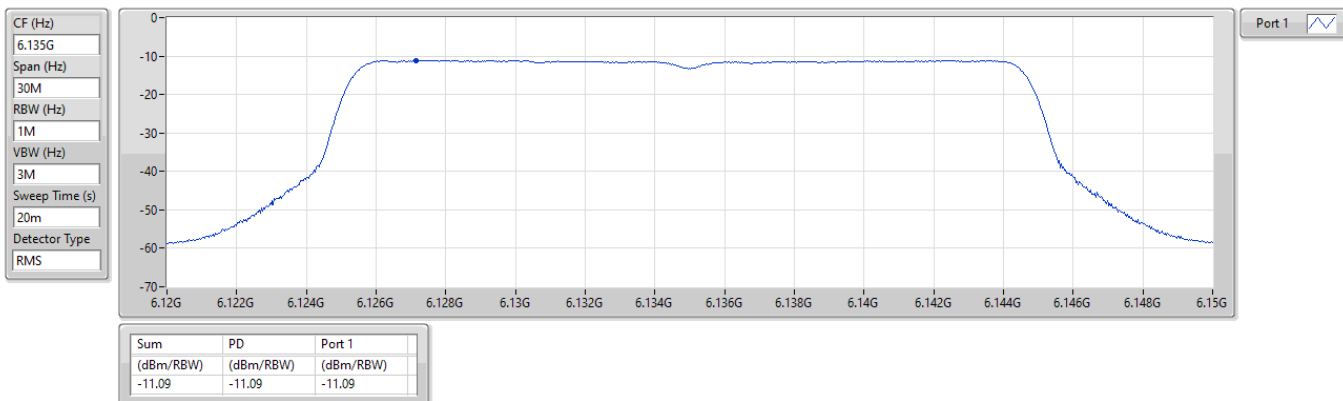


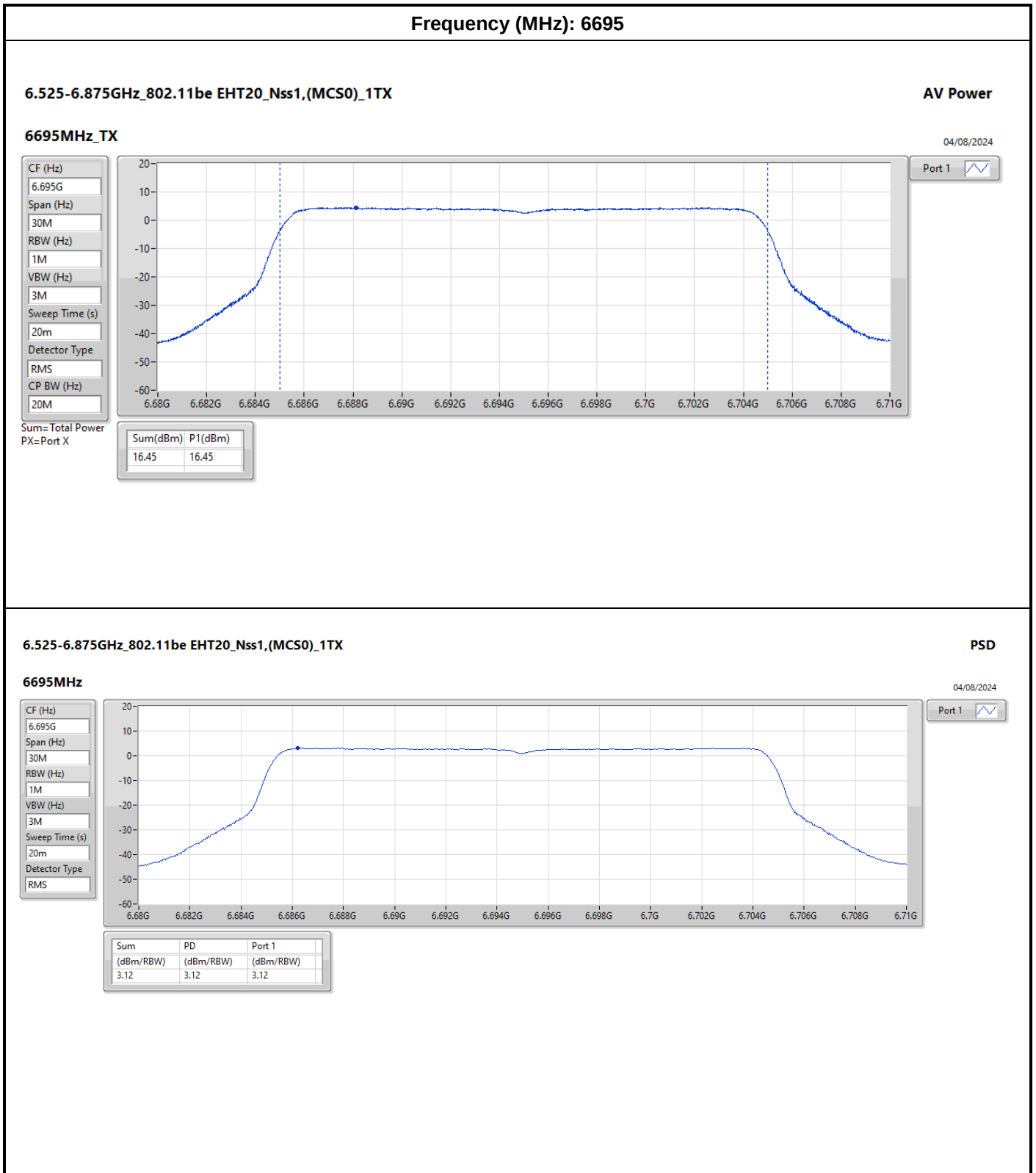
5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

6135MHz

04/08/2024




6.525-6.875GHz_802.11be EHT20_Nss1,(MCS0)_1TX
PSD
6695MHz
04/08/2024

CF (Hz)
6.695G

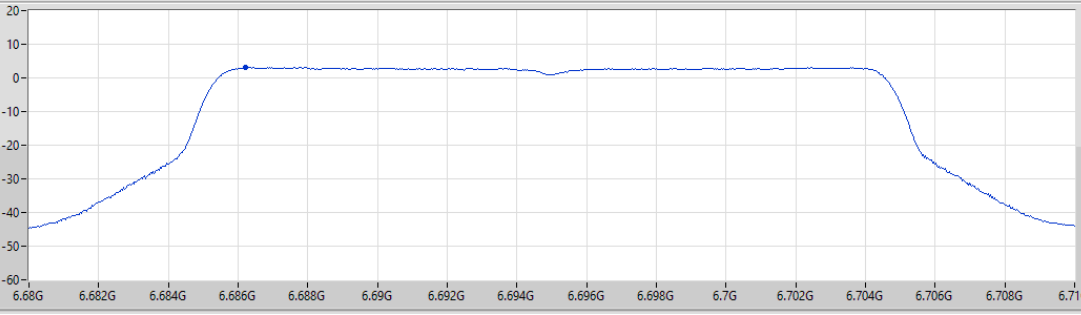
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

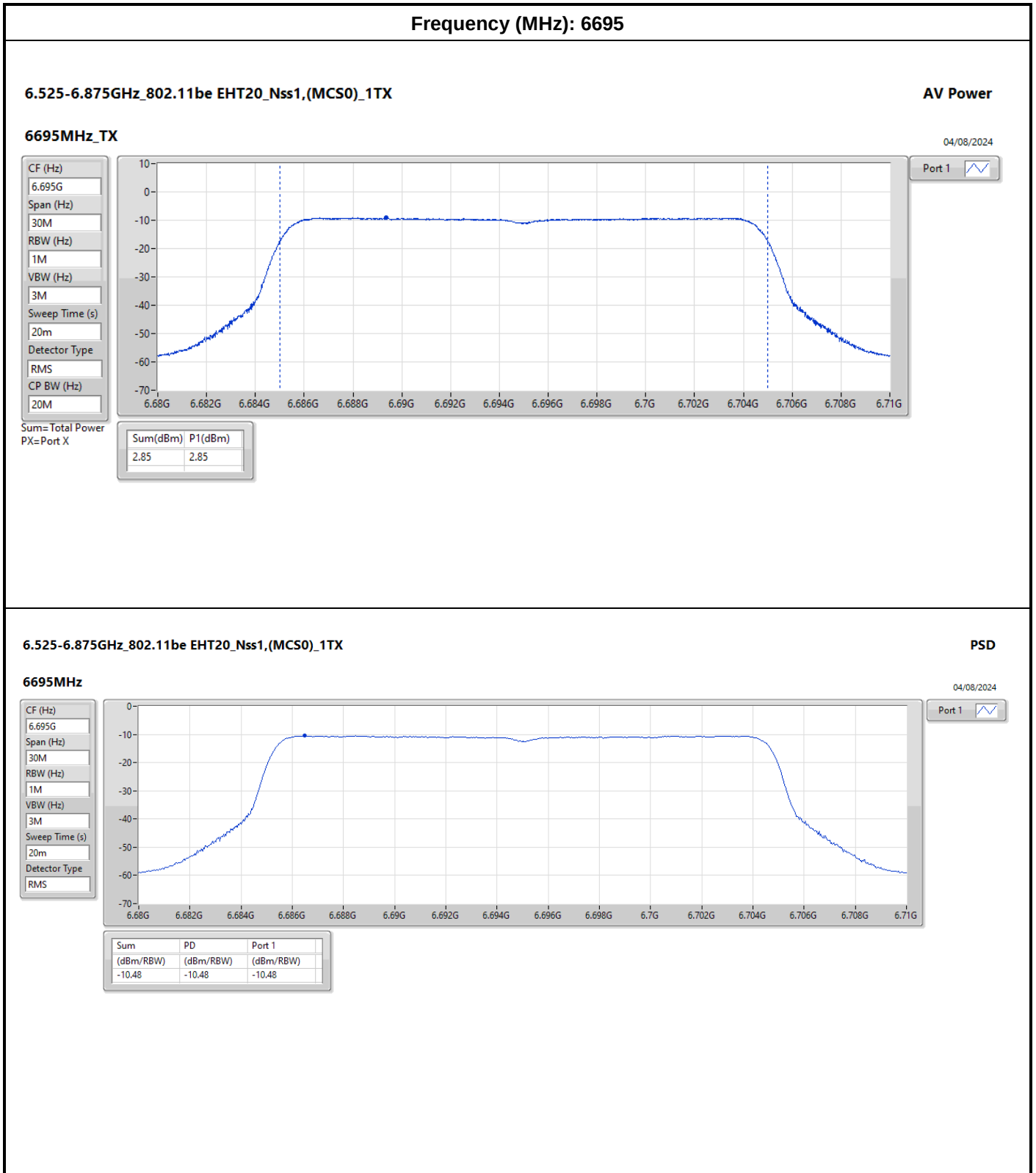
Sweep Time (s)
20m

Detector Type
RMS



Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)
3.12	3.12	3.12

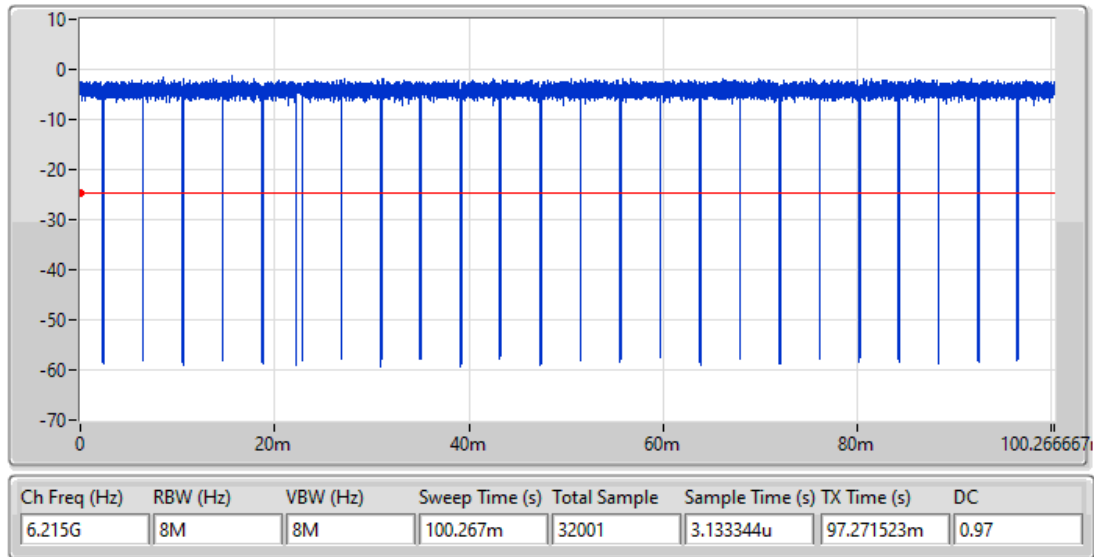
Port 1



Duty Cycle

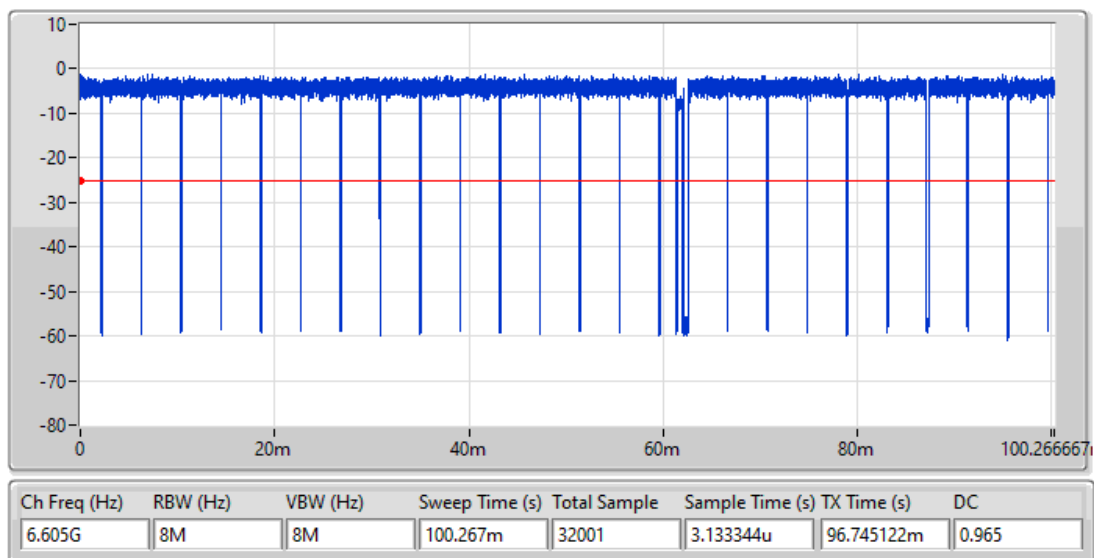
Bandwidth: 20MHz

DC;be20;BWch:20



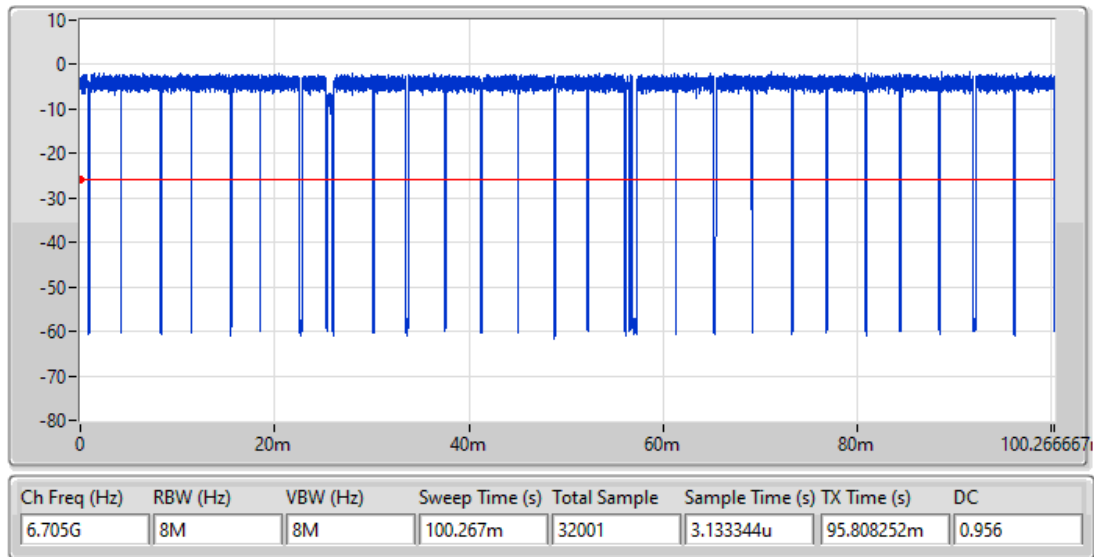
Bandwidth: 40MHz

DC;be40;BWch:40



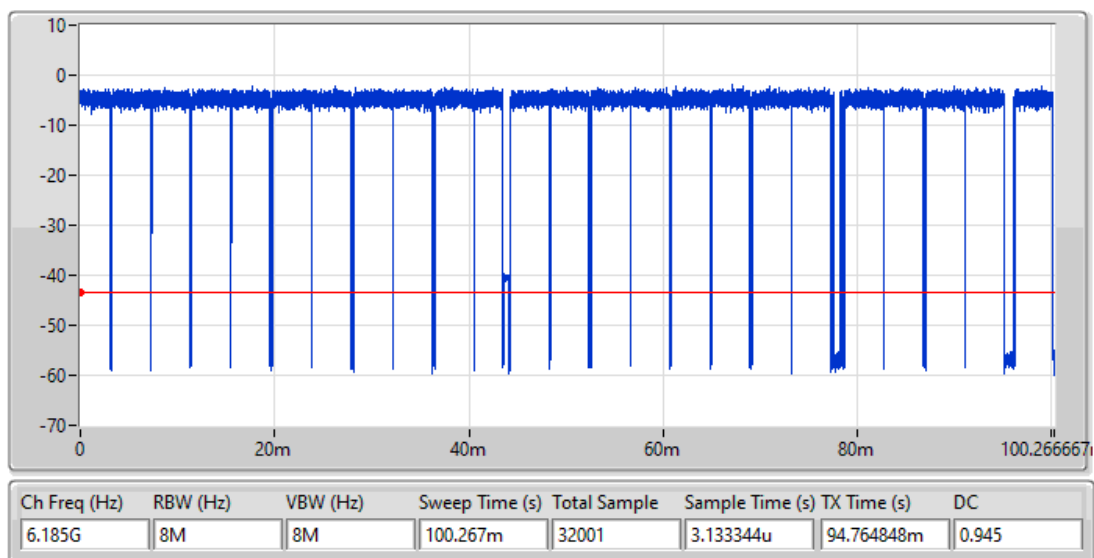
Bandwidth: 80MHz

DC;be80;BWch:80



Bandwidth: 160MHz

DC;be160;BWch:160



————THE END————