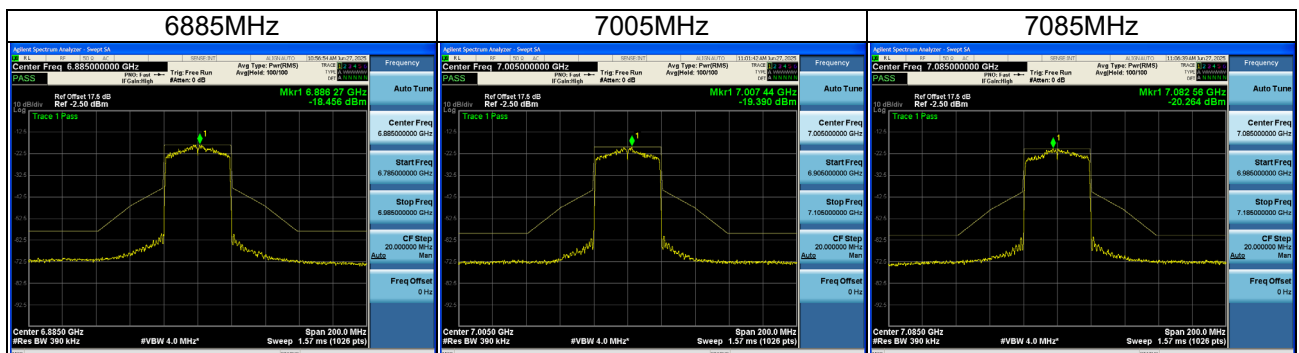
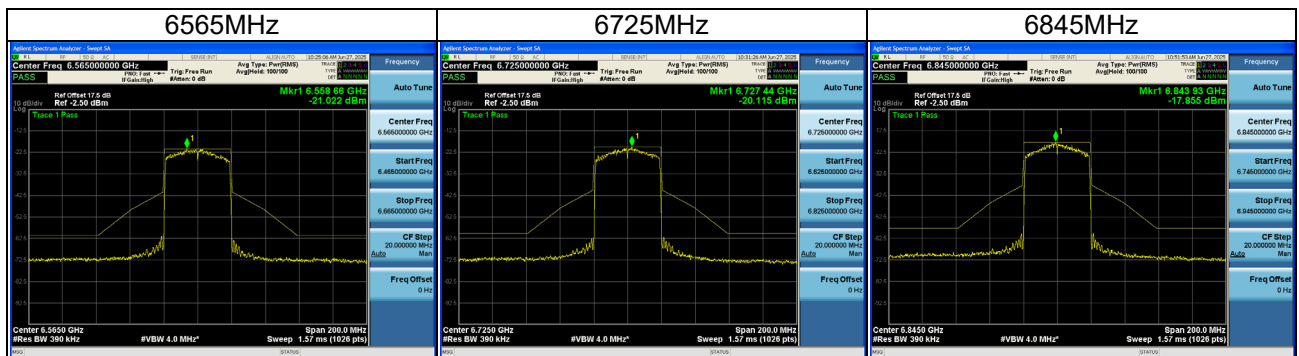
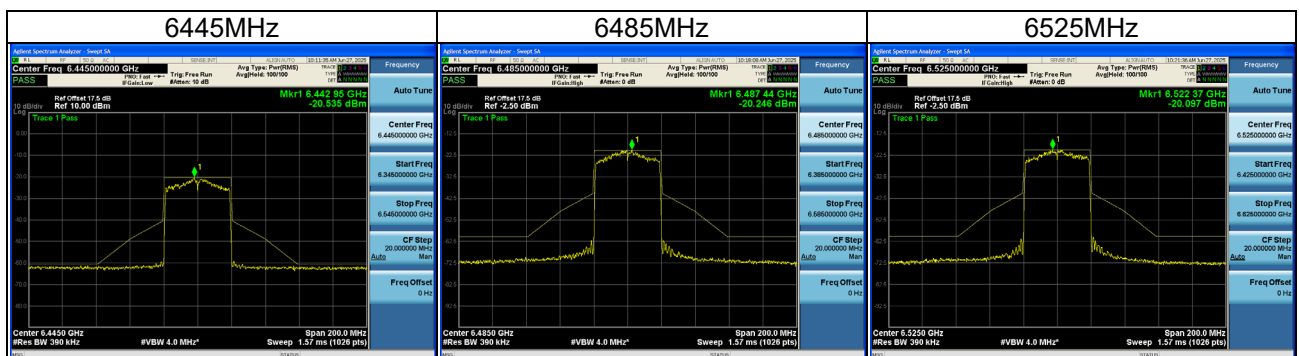
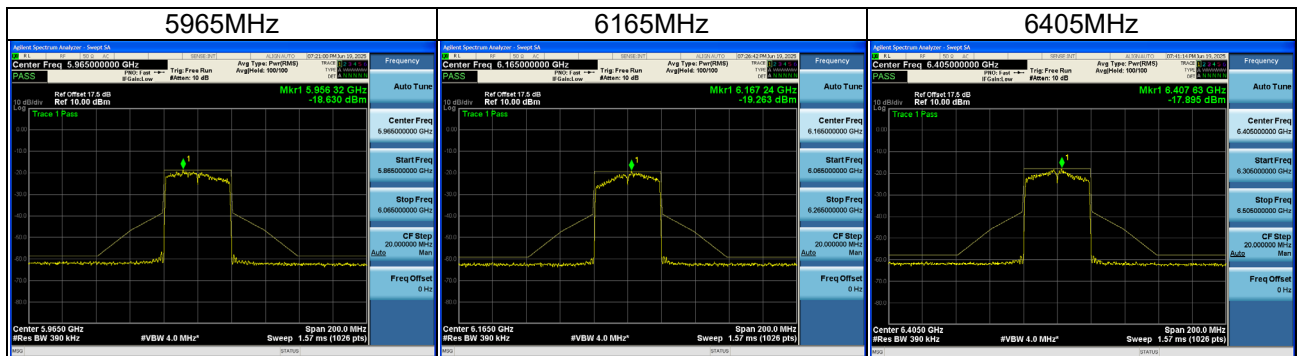


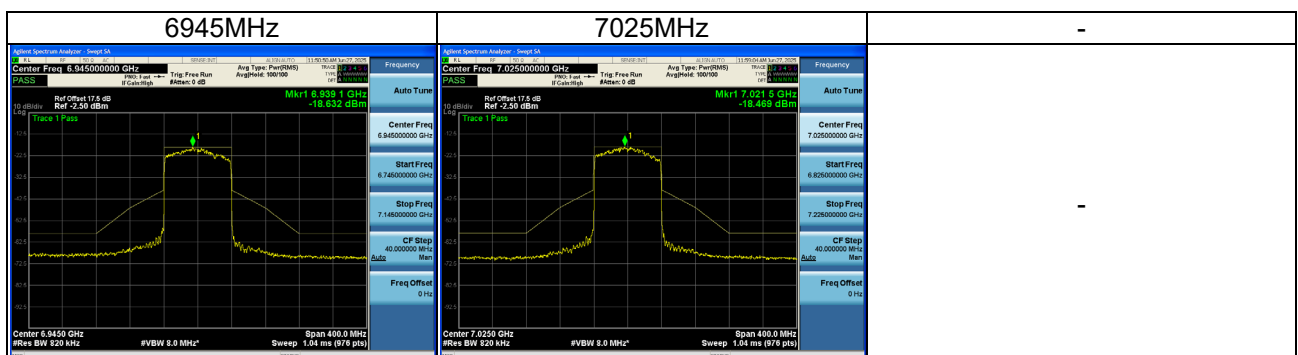
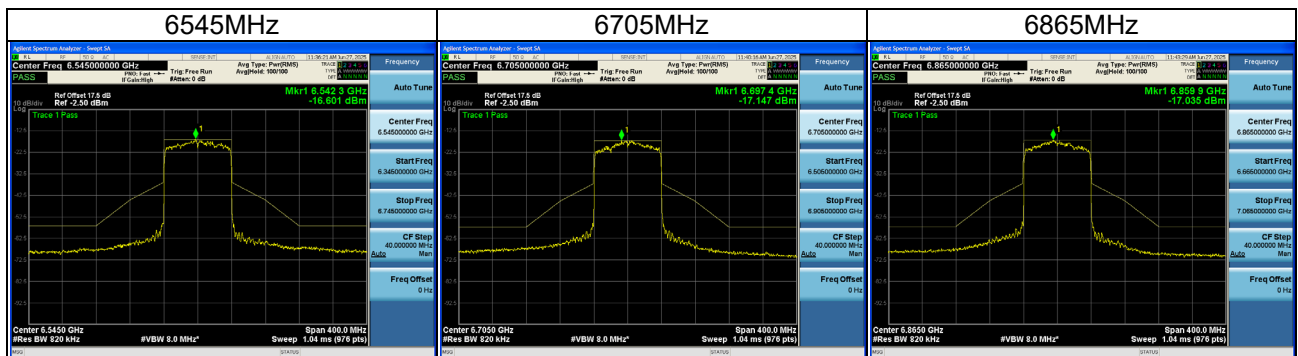
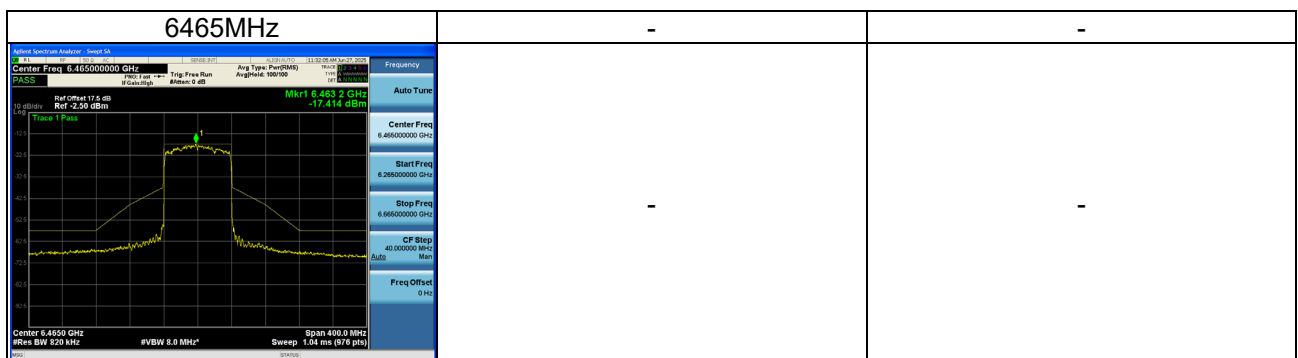
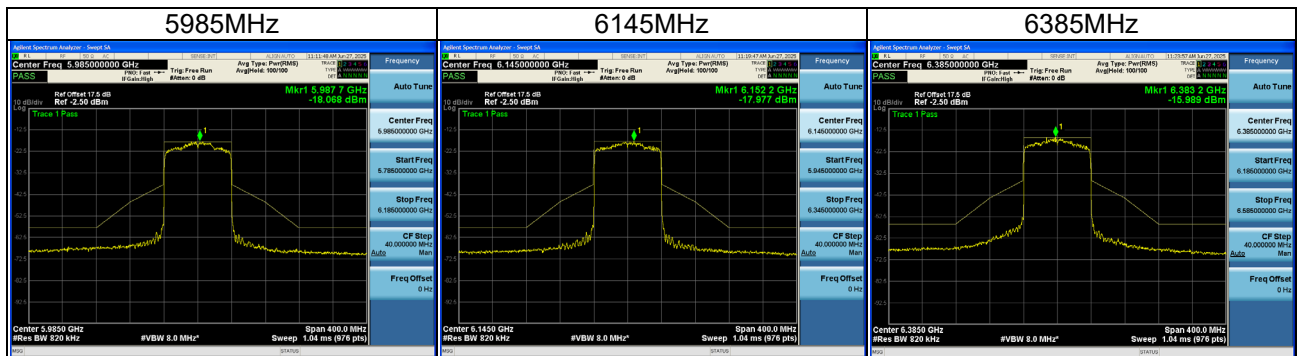
Test Mode IEEE 802.11ax(HE40)_Ant_1



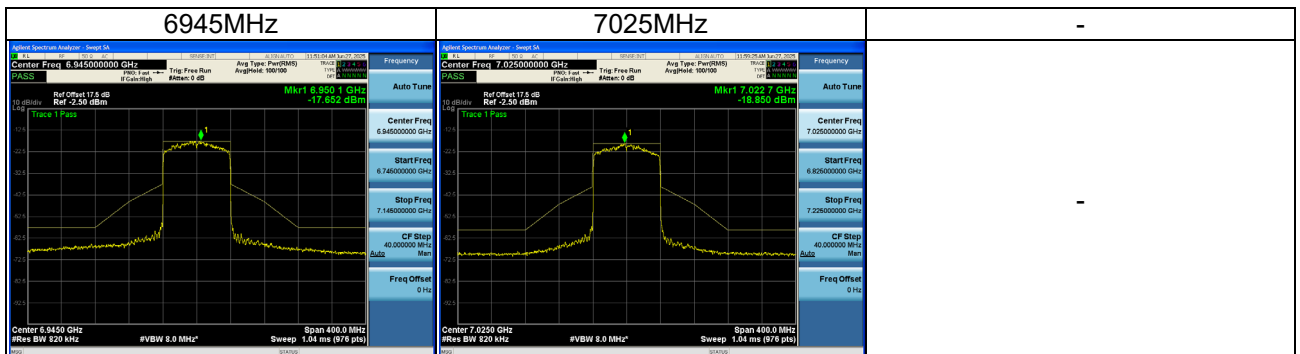
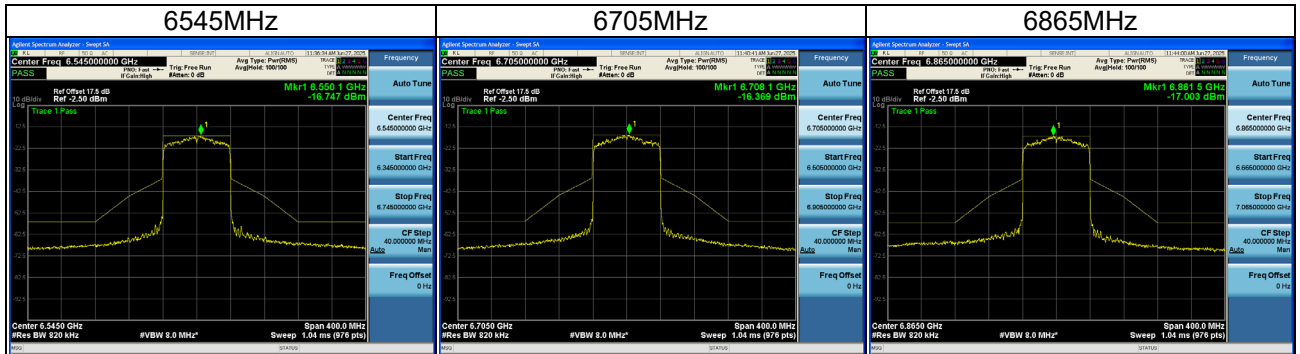
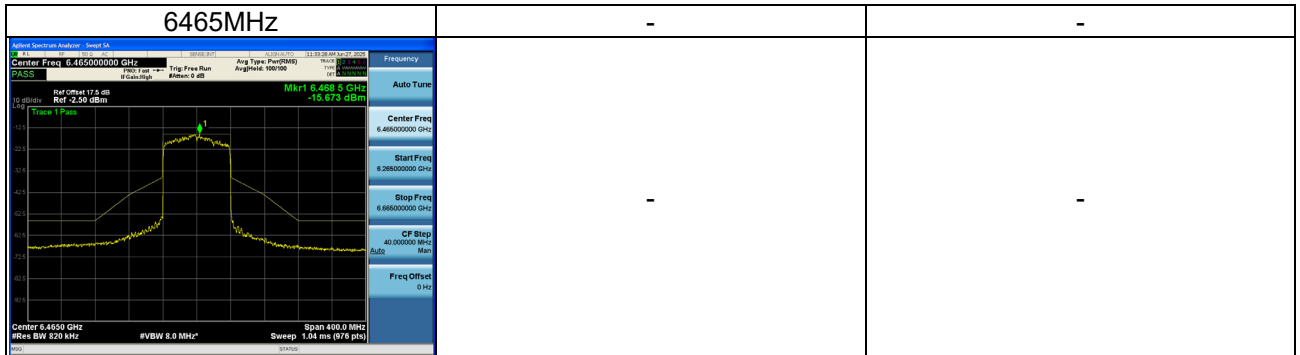
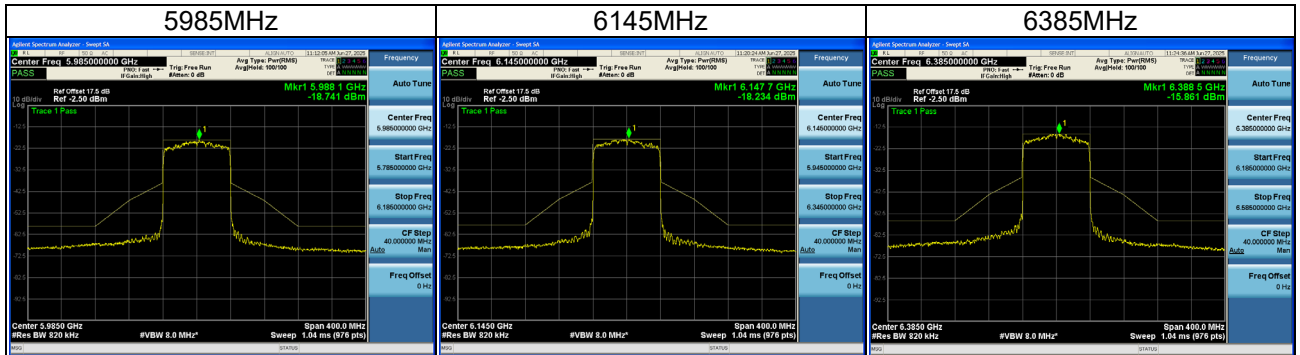
Test Mode IEEE 802.11ax(HE40)_Ant_2



Test Mode IEEE 802.11ax(HE80)_Ant_1



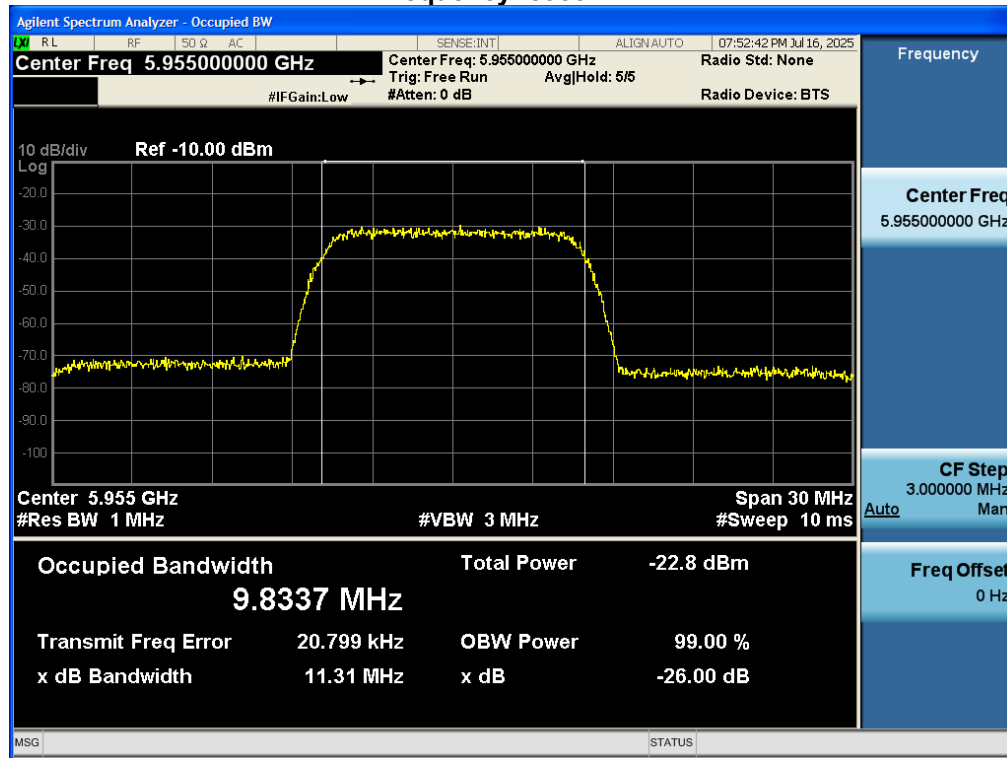
Test Mode IEEE 802.11ax(HE80)_Ant_2



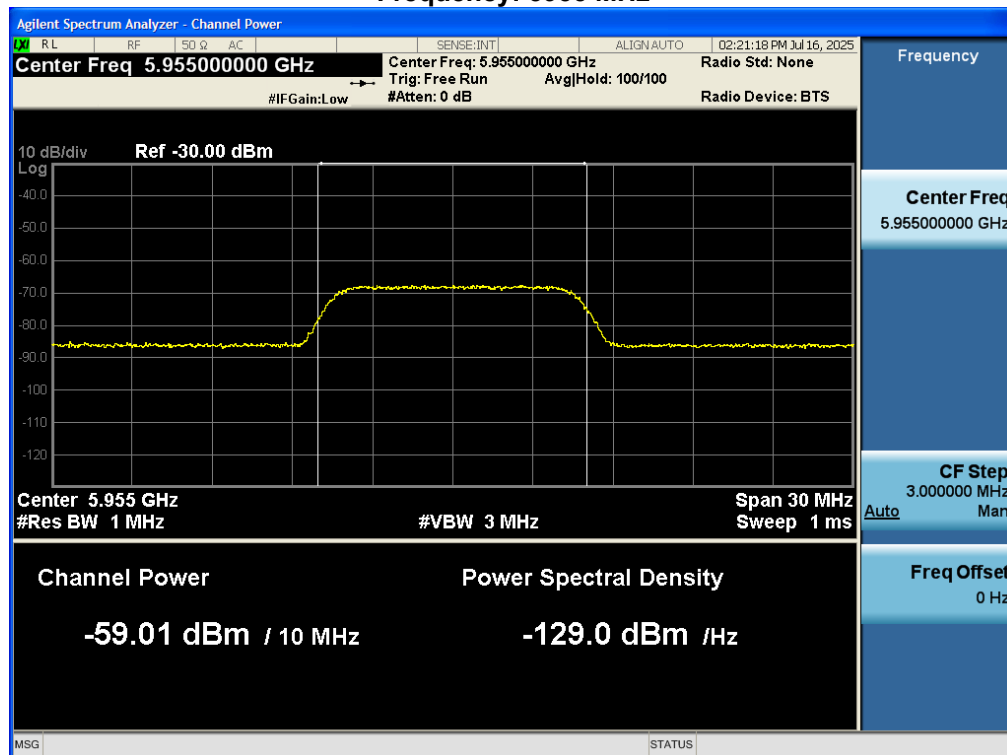
APPENDIX I - CONTENTION BASED PROTOCOL

Test Mode UNII-5, UNII-6, UNII-7, UNII-8

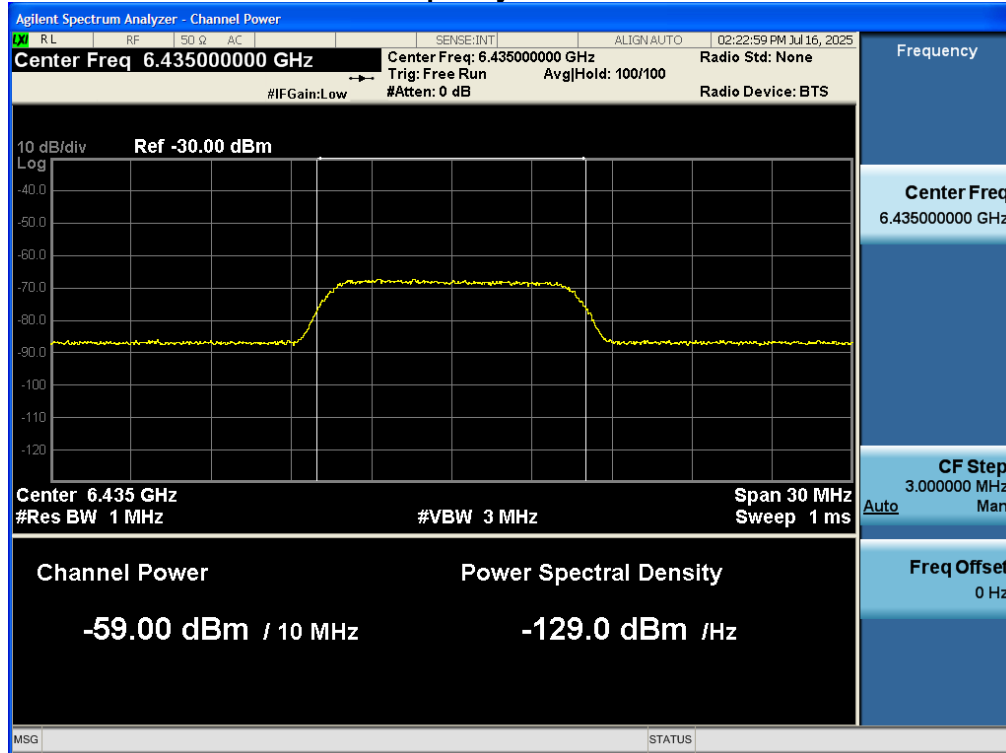
Incumbent Signal (AWGN) Frequency: 5955 MHz



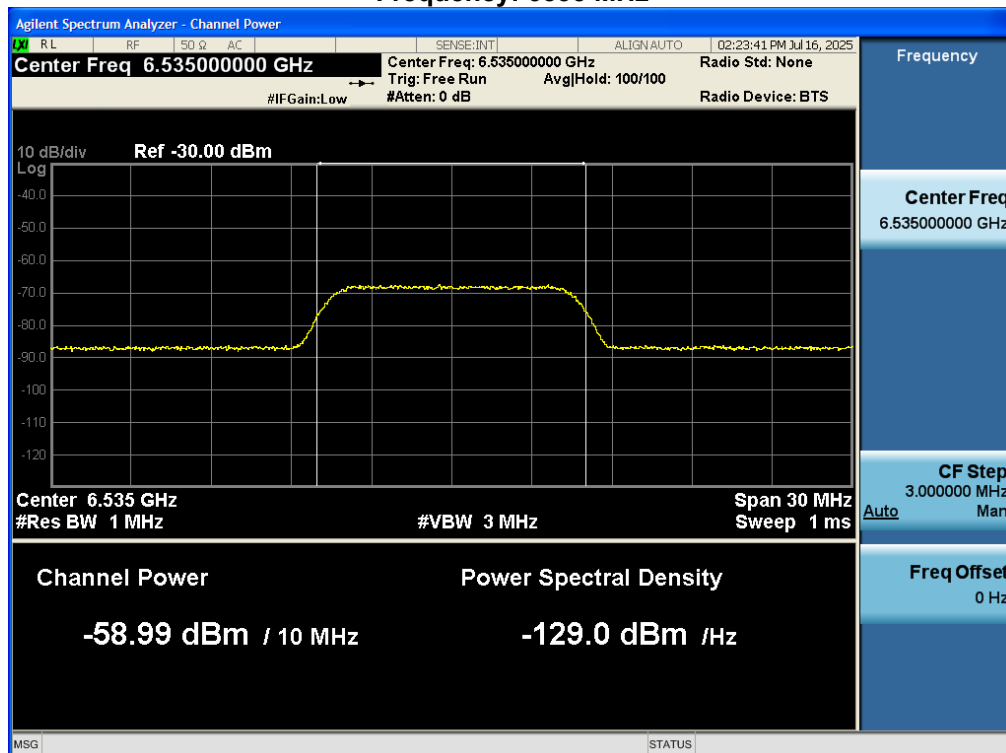
Frequency: 5955 MHz



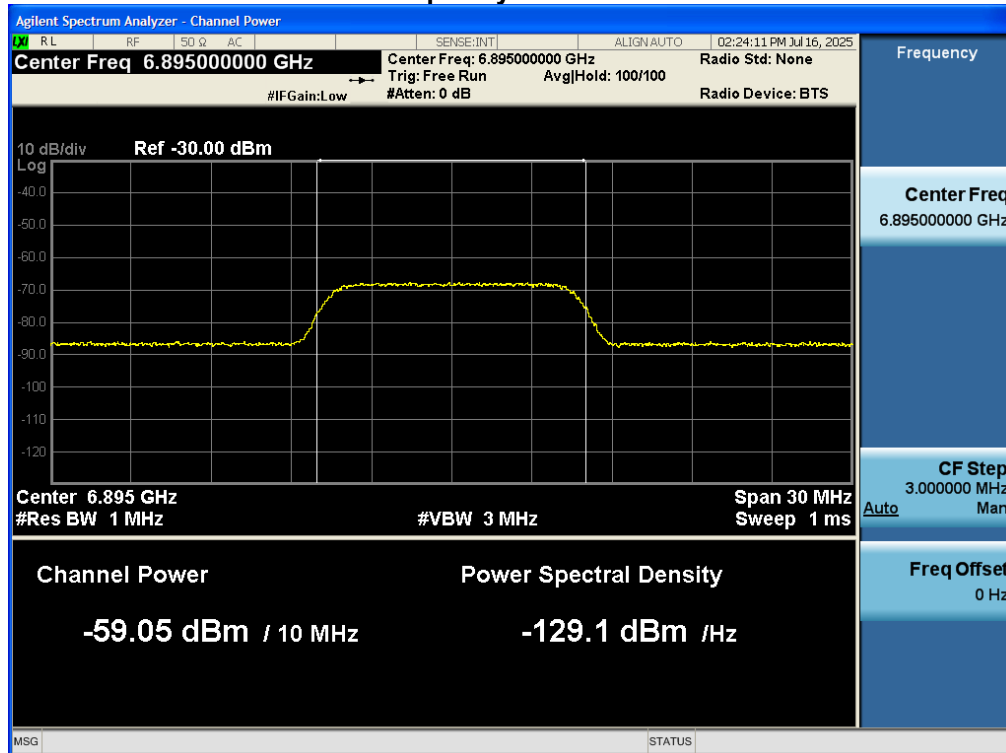
Frequency: 6435 MHz



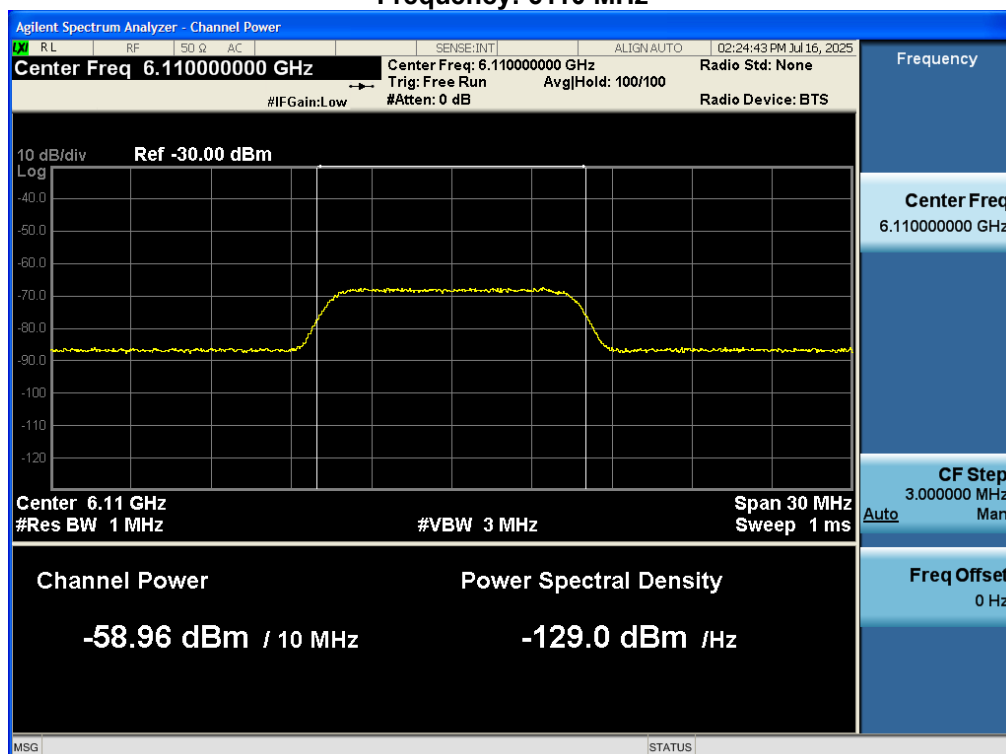
Frequency: 6535 MHz



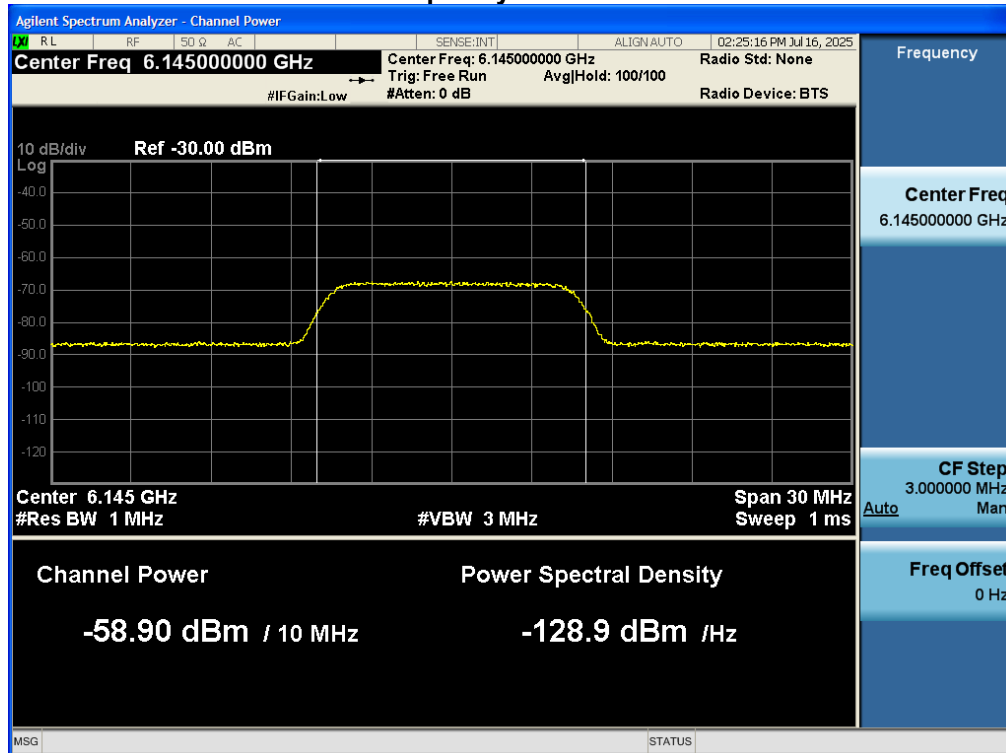
Frequency: 6895 MHz



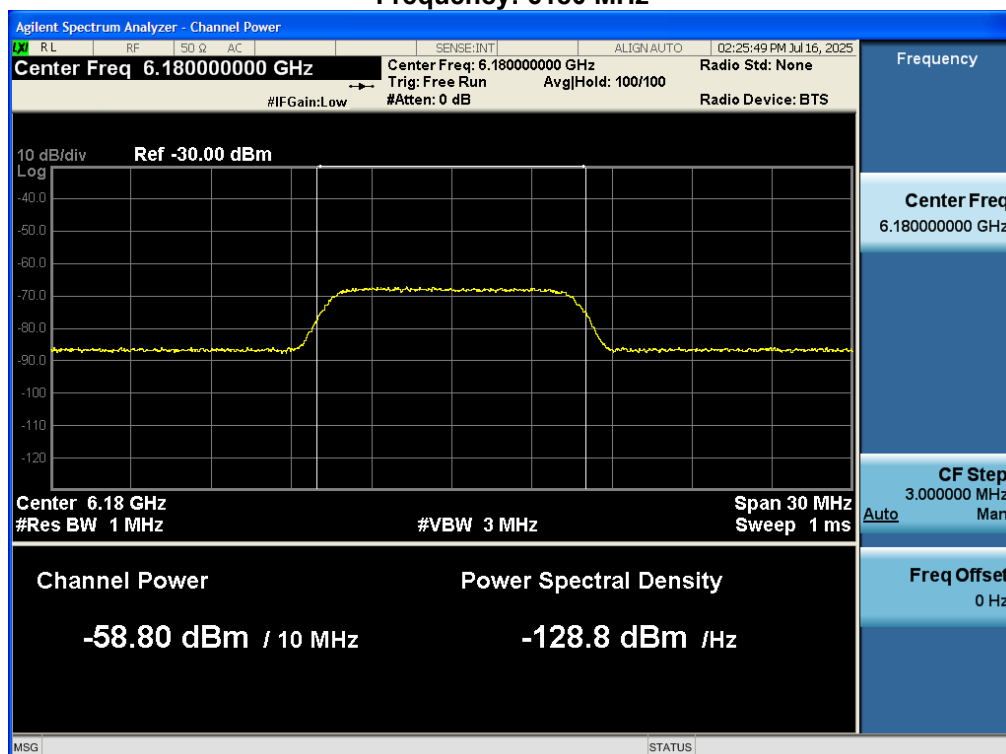
Frequency: 6110 MHz



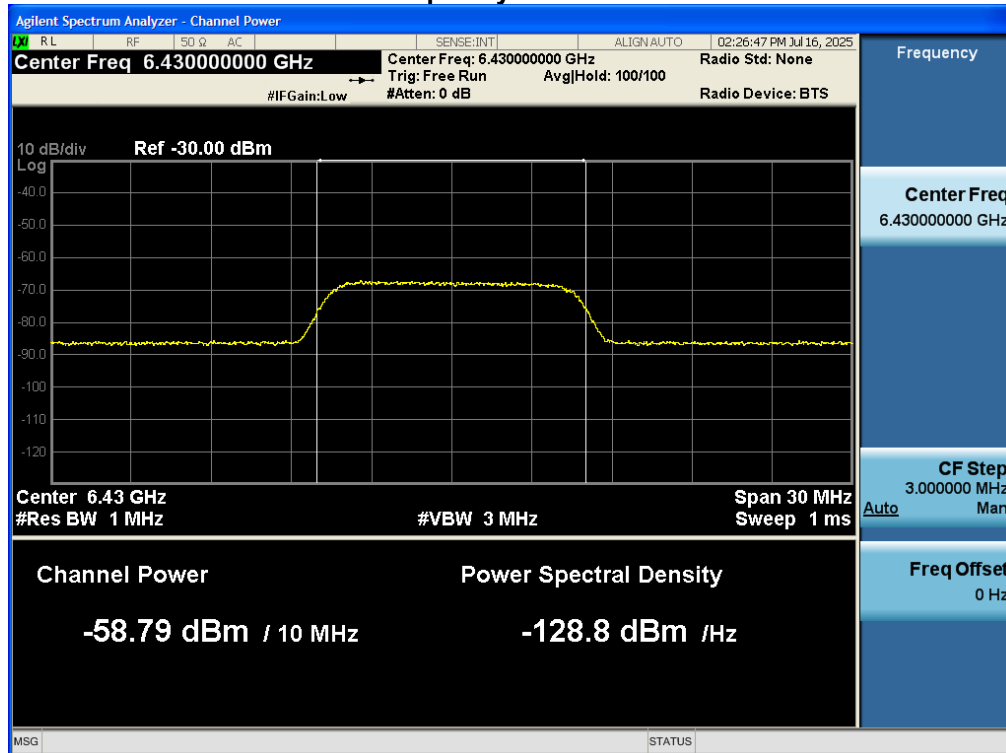
Frequency: 6145 MHz



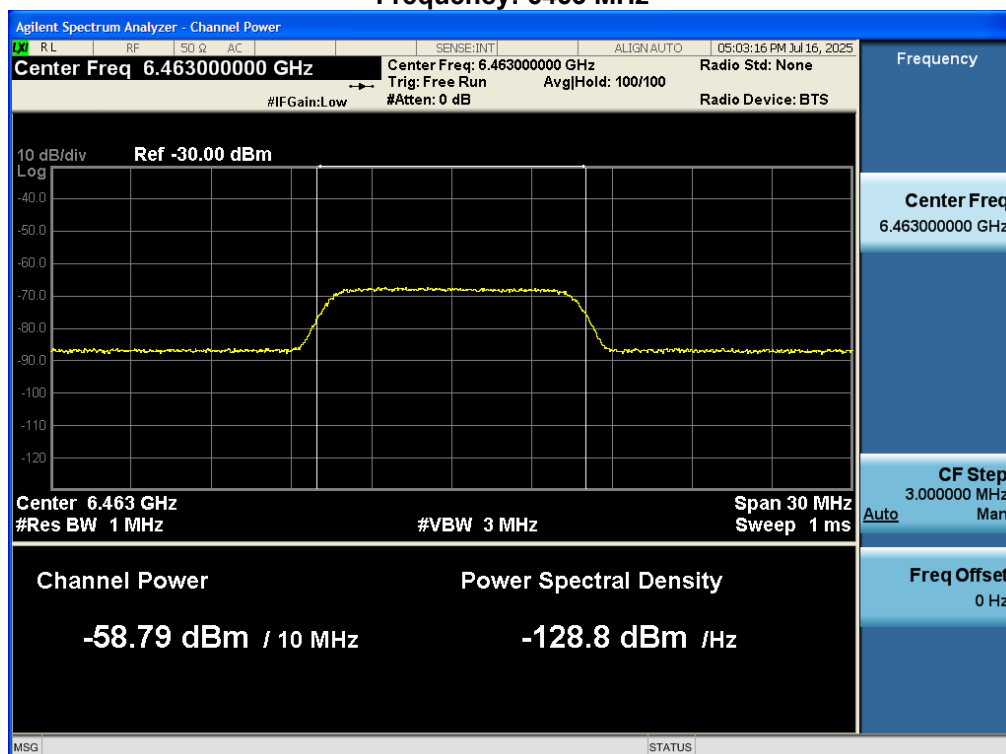
Frequency: 6180 MHz



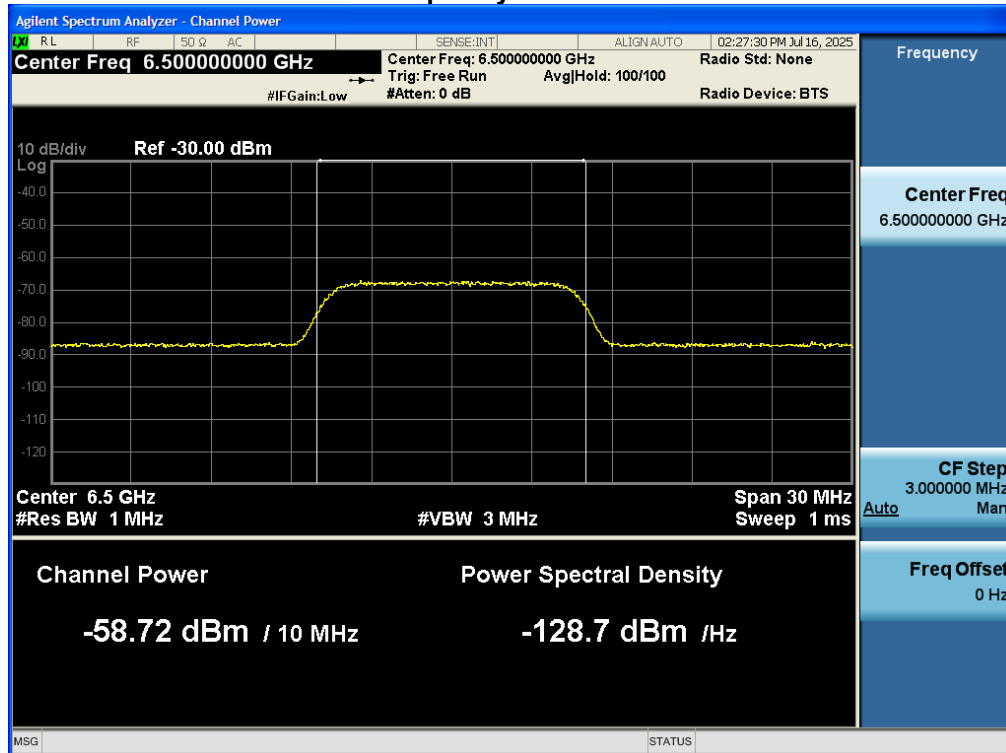
Frequency: 6430 MHz



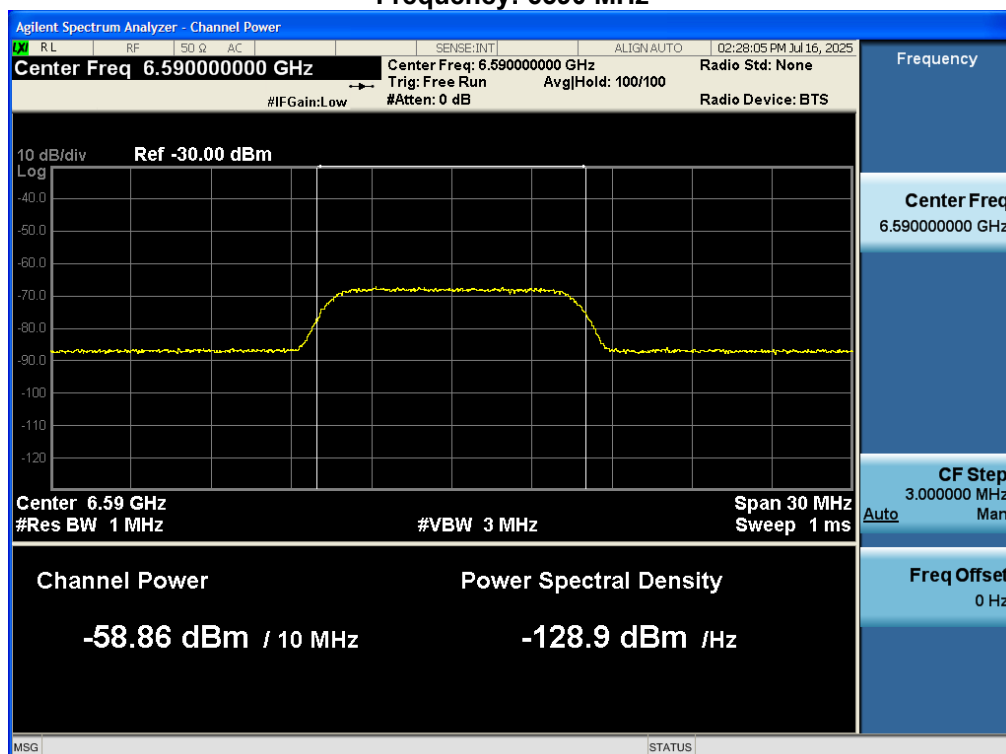
Frequency: 6463 MHz



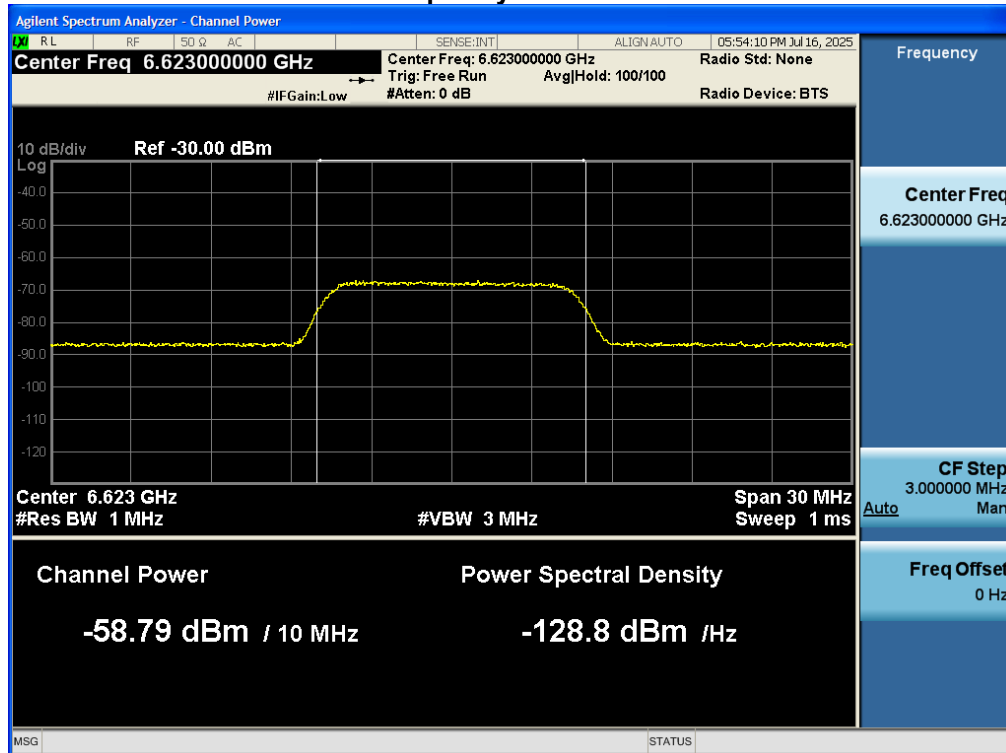
Frequency: 6500 MHz



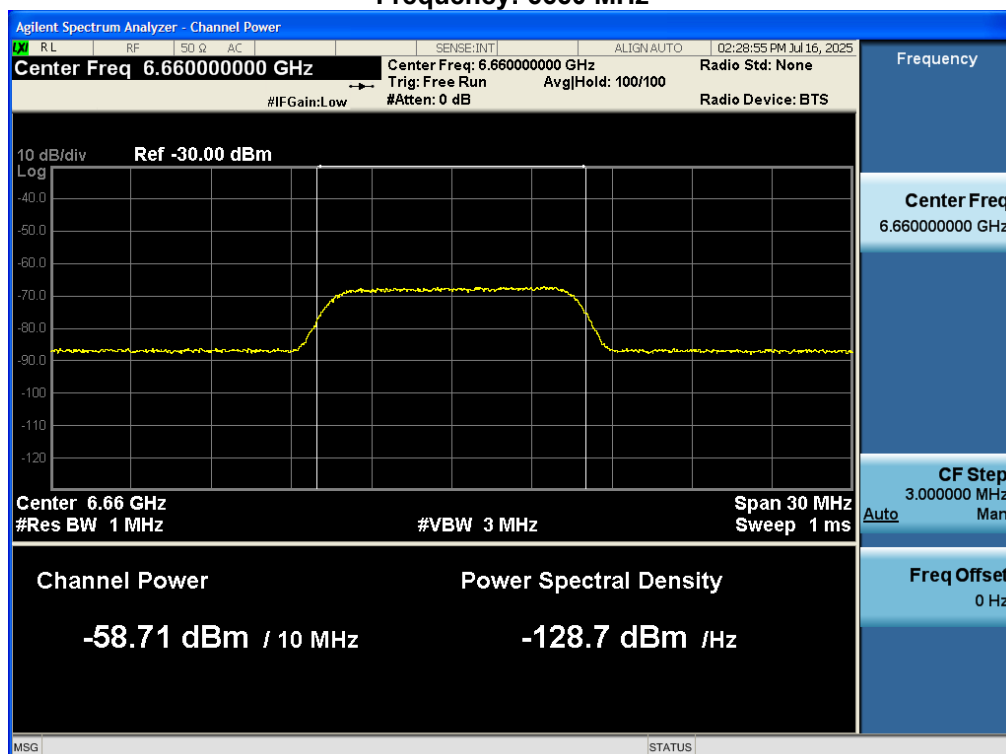
Frequency: 6590 MHz



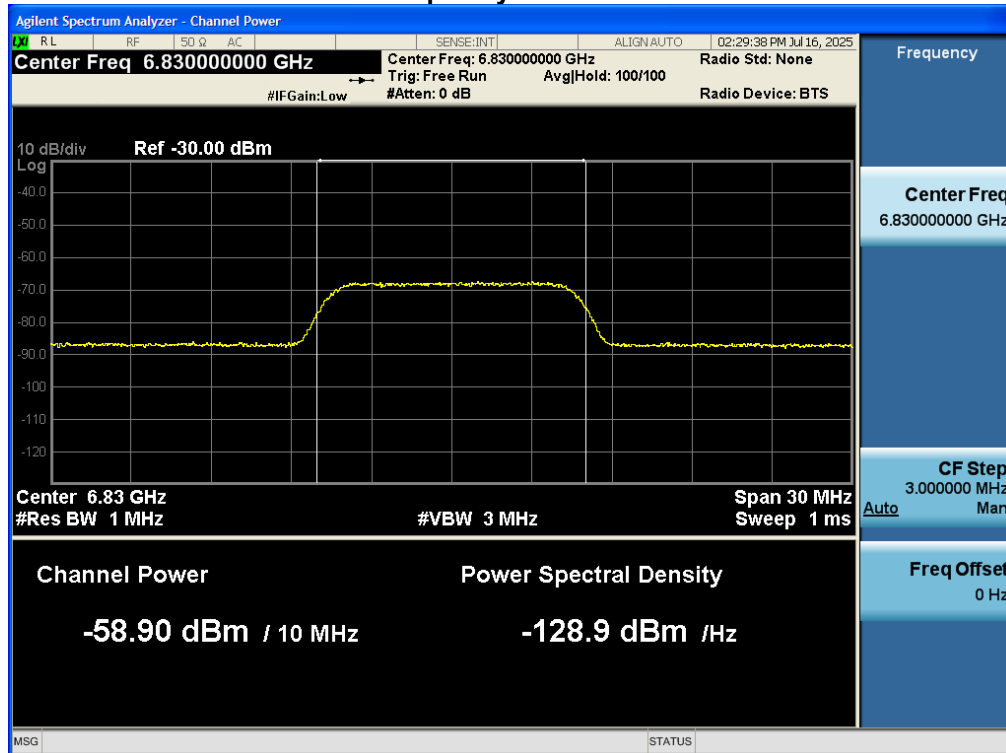
Frequency: 6623 MHz



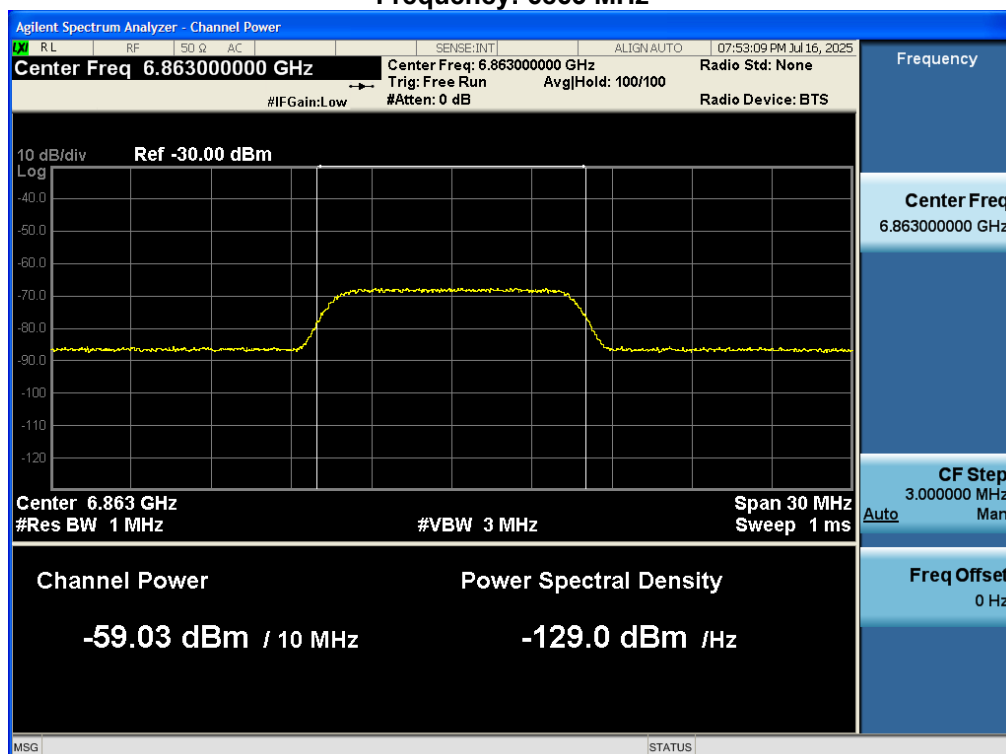
Frequency: 6660 MHz

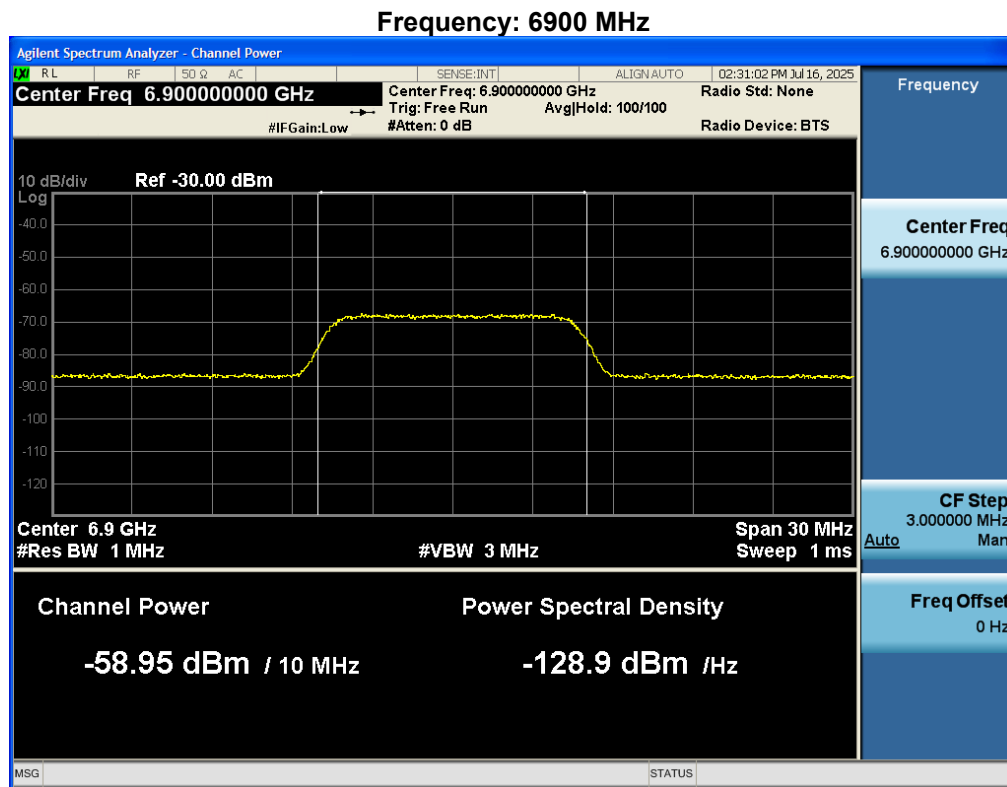


Frequency: 6830 MHz



Frequency: 6863 MHz





Detection power level

UNII Band				5			
Channel Number				1			
Bandwidth (MHz)				20			
EUT Frequency (MHz)				5955			
AWGN Frequency (MHz)				5955			
AWGN Power (dBm)		-73.00	-75.00	-80.00			
Antenna Gain (dBi)				3.30			
Path Loss (dB)				0.00			
Adjusted Power (dBm)		-76.30	-78.30	-83.30			
Detection Limit (dBm)		-62	-62	-62			
EUT Tx Status		OFF	Minimal	ON			
UNII Band				5			
Channel Number				39			
Bandwidth (MHz)				80			
EUT Frequency (MHz)				6145			
AWGN Frequency (MHz)				6110			
AWGN Power (dBm)		-74.00	-77.00	-80.00			
Antenna Gain (dBi)				3.30			
Path Loss (dB)				0.00			
Adjusted Power (dBm)		-77.30	-80.30	-83.30			
Detection Limit (dBm)		-62	-62	-62			
EUT Tx Status		OFF	Minimal	ON			
UNII Band				6			
Channel Number				97			
Bandwidth (MHz)				20			
EUT Frequency (MHz)				6435			
AWGN Frequency (MHz)				6435			
AWGN Power (dBm)		-71.00	-74.00	-80.00			
Antenna Gain (dBi)				3.30			
Path Loss (dB)				0.00			
Adjusted Power (dBm)		-74.30	-77.30	-83.30			
Detection Limit (dBm)		-62	-62	-62			
EUT Tx Status		OFF	Minimal	ON			
UNII Band				6			
Channel Number				102.6			
Bandwidth (MHz)				80			
EUT Frequency (MHz)				6463			
AWGN Frequency (MHz)				6430			
AWGN Power (dBm)		-72.00	-77.00	-80.00			
Antenna Gain (dBi)				3.30			
Path Loss (dB)				0.00			
Adjusted Power (dBm)		-75.30	-80.30	-83.30			
Detection Limit (dBm)		-62	-62	-62			
EUT Tx Status		OFF	Minimal	ON			
UNII Band				7			
Channel Number				117			
Bandwidth (MHz)				20			
EUT Frequency (MHz)				6535			
AWGN Frequency (MHz)				6535			
AWGN Power (dBm)		-74.00	-76.00	-80.00			
Antenna Gain (dBi)				3.30			
Path Loss (dB)				0.00			
Adjusted Power (dBm)		-77.30	-79.30	-83.30			
Detection Limit (dBm)		-62	-62	-62			
EUT Tx Status		OFF	Minimal	ON			
UNII Band				7			
Channel Number				134.6			
Bandwidth (MHz)				80			
EUT Frequency (MHz)				6623			
AWGN Frequency (MHz)				6590			
AWGN Power (dBm)		-70.00	-72.00	-80.00			
Antenna Gain (dBi)				3.30			
Path Loss (dB)				0.00			
Adjusted Power (dBm)		-73.30	-75.30	-83.30			
Detection Limit (dBm)		-62	-62	-62			
EUT Tx Status		OFF	Minimal	ON			
UNII Band				8			
Channel Number				189			
Bandwidth (MHz)				20			
EUT Frequency (MHz)				6895			
AWGN Frequency (MHz)				6895			
AWGN Power (dBm)		-72.00	-77.00	-80.00			
Antenna Gain (dBi)				3.30			
Path Loss (dB)				0.00			
Adjusted Power (dBm)		-65.30	-103.30	-113.30			
Detection Limit (dBm)		-62	-62	-62			
EUT Tx Status		OFF	Minimal	ON			
UNII Band				8			
Channel Number				183			
Bandwidth (MHz)				6863			
EUT Frequency (MHz)				6830			
AWGN Frequency (MHz)				5			
AWGN Power (dBm)		-71.00	-73.00	-80.00			
Antenna Gain (dBi)				3.30			
Path Loss (dB)				0.00			
Adjusted Power (dBm)		-63.30	-103.30	-113.30			
Detection Limit (dBm)		-62	-62	-62			
EUT Tx Status		OFF	Minimal	ON			
UNII Band				8			
Channel Number				183			
Bandwidth (MHz)				6863			
EUT Frequency (MHz)				6863			
AWGN Frequency (MHz)				5			
AWGN Power (dBm)		-71.00	-74.00	-80.00			
Antenna Gain (dBi)				3.30			
Path Loss (dB)				0.00			
Adjusted Power (dBm)		-64.30	-103.30	-113.30			
Detection Limit (dBm)		-62	-62	-62			
EUT Tx Status		OFF	Minimal	ON			
UNII Band				8			
Channel Number				183			
Bandwidth (MHz)				6863			
EUT Frequency (MHz)				6900			
AWGN Frequency (MHz)				-5			
AWGN Power (dBm)		-72.00	-75.00	-80.00			
Antenna Gain (dBi)				3.30			
Path Loss (dB)				0.00			
Adjusted Power (dBm)		-66.30	-103.30	-113.30			
Detection Limit (dBm)		-62	-62	-62			
EUT Tx Status		OFF	Minimal	ON			

Note:

The AWGN level is reported for the following conditions:

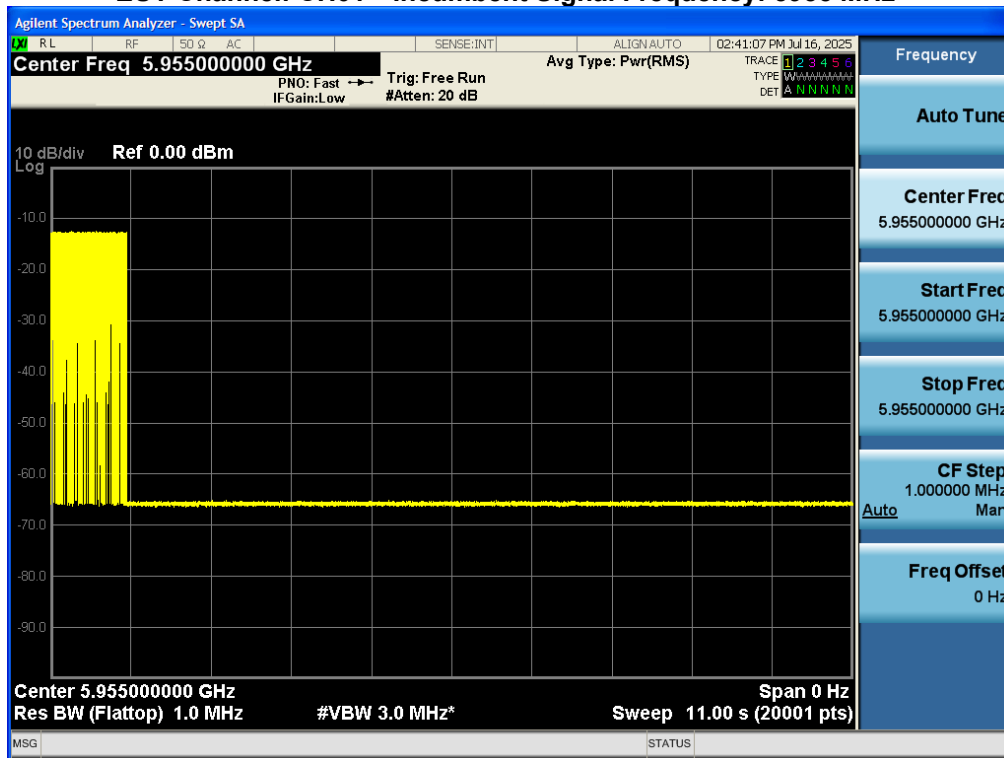
- OFF = AWGN level at which no transmission is detected, consistently for a minimum period of 10 seconds.
- Minimal: AWGN level at which the system begins to trigger the transmission switch -off, albeit not being kept off consistently.
- ON = AWGN level at which no impact on the transmission is detected, consistently for a minimum period of 10 seconds.

Detection power level and detection probability

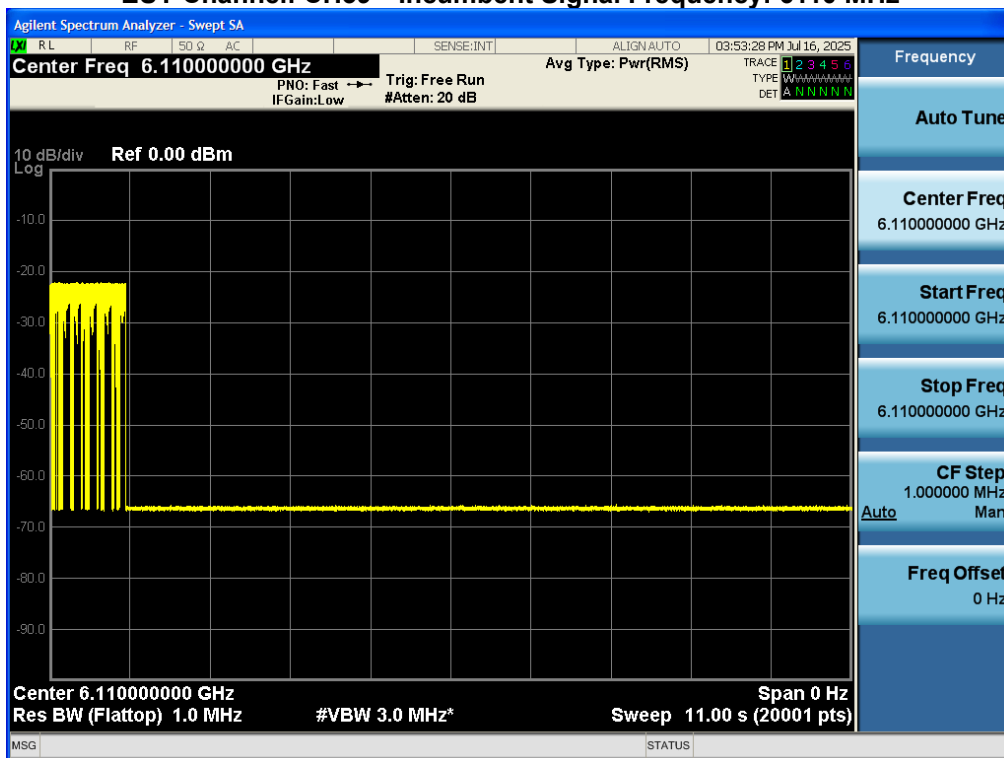
Bands	Test Mode	Bandwidth (MHz)	Channel	Frequency (MHz)	Interference Frequency (MHz)	Number of Times	Number of Detected	Detection Probability	Detection Probability Limit	Test Result
UNII-5	802.11ax	20	1	5955	5955	10	10	100%	90%	Pass
					6110	10	9	90%	90%	Pass
	802.11ax	80	39	6145	6145	10	10	100%	90%	Pass
					6180	10	9	90%	90%	Pass
UNII-6	802.11ax	20	97	6435	6435	10	10	100%	90%	Pass
					6430	10	10	100%	90%	Pass
	802.11ax	80	103	6463	6463	10	10	100%	90%	Pass
					6500	10	10	100%	90%	Pass
UNII-7	802.11ax	20	117	6535	6535	10	10	100%	90%	Pass
					6590	10	10	100%	90%	Pass
	802.11ax	80	135	6623	6623	10	10	100%	90%	Pass
					6660	10	10	100%	90%	Pass
UNII-8	802.11ax	20	189	6895	6895	10	9	90%	90%	Pass
					6830	10	10	100%	90%	Pass
	802.11ax	80	183	6863	6863	10	10	100%	90%	Pass
					6900	10	10	100%	90%	Pass

Note: The device did not use either channel puncturing or bandwidth reduction for the purpose of incumbent avoidance.

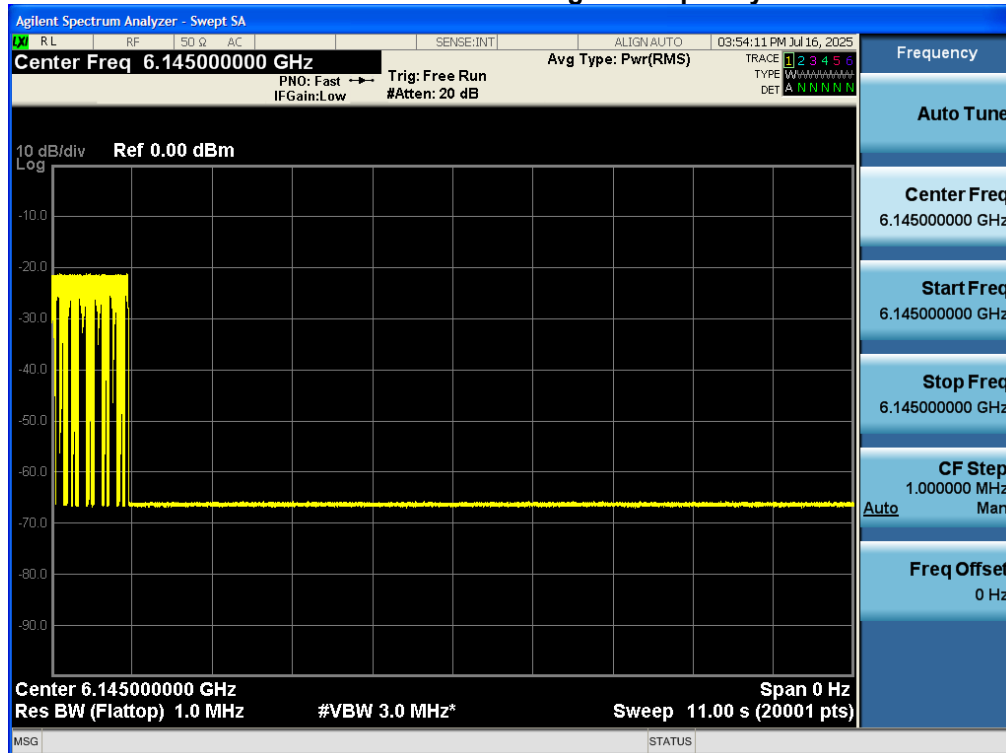
Contention-Based Protocol EUT Channel: CH01 Incumbent Signal Frequency: 5955 MHz



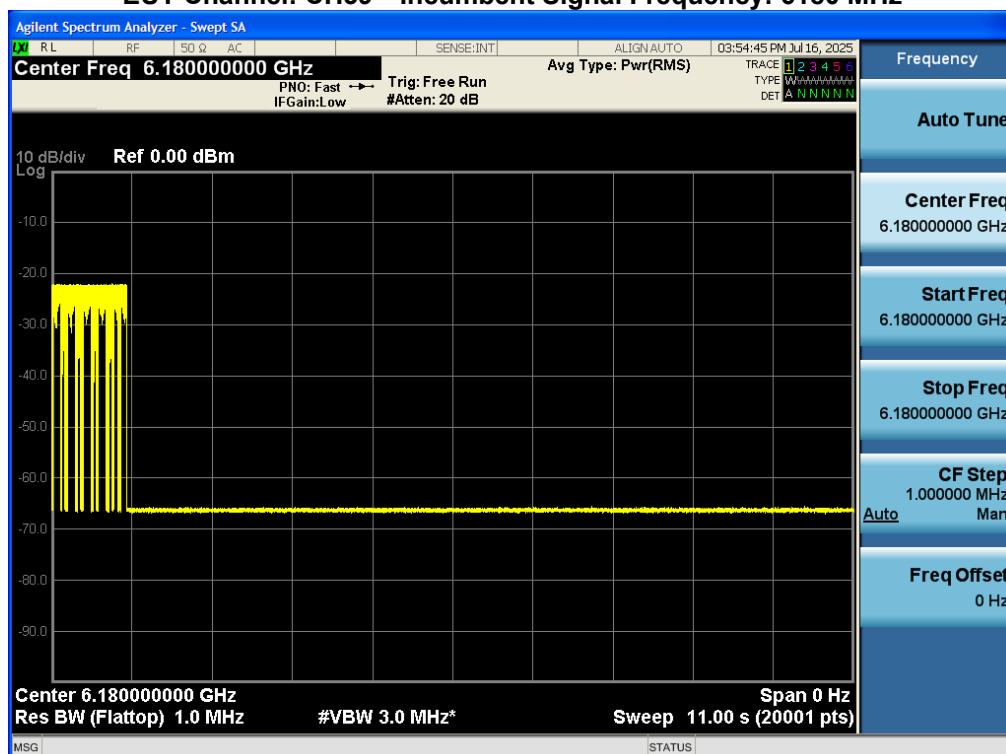
EUT Channel: CH39 Incumbent Signal Frequency: 6110 MHz



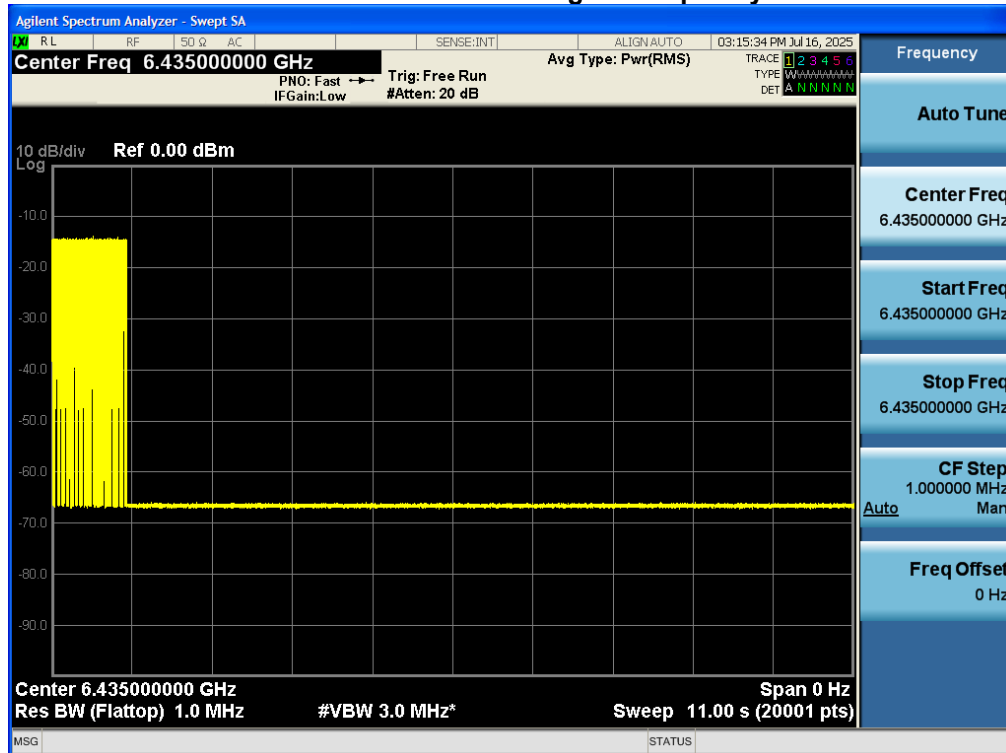
EUT Channel: CH39 Incumbent Signal Frequency: 6145 MHz



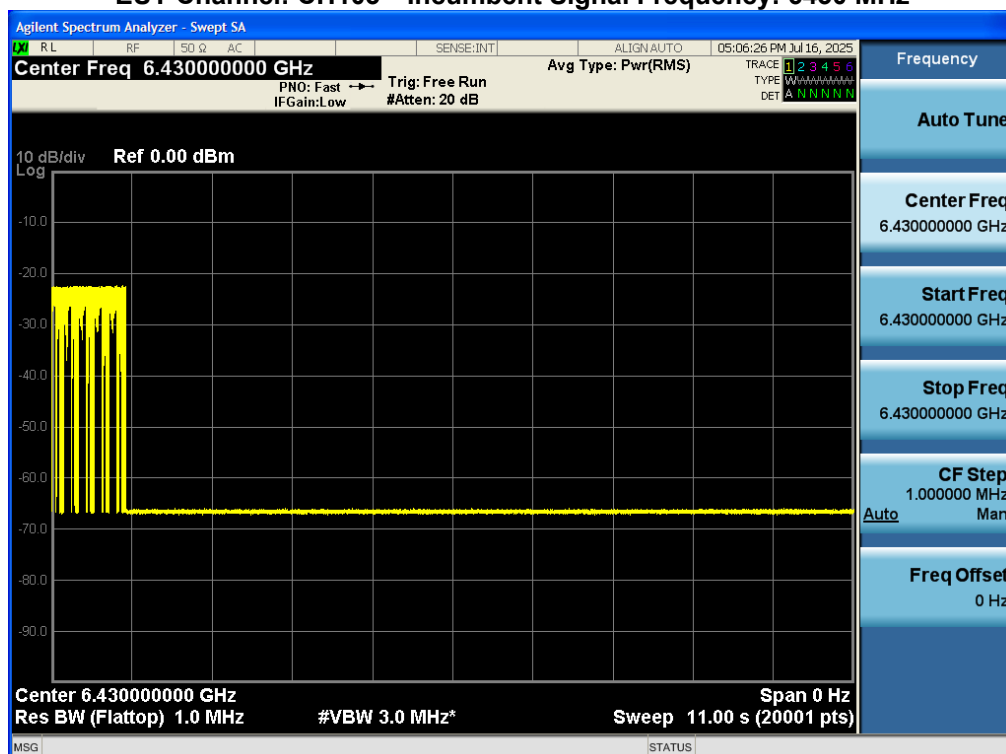
EUT Channel: CH39 Incumbent Signal Frequency: 6180 MHz



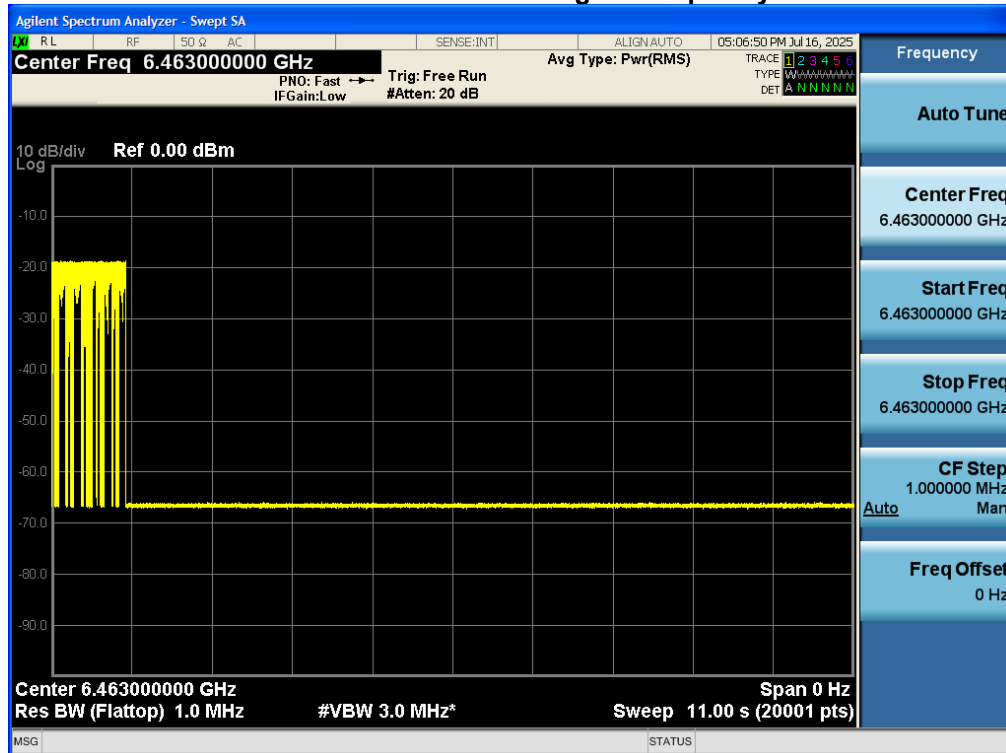
EUT Channel: CH97 Incumbent Signal Frequency: 6435 MHz



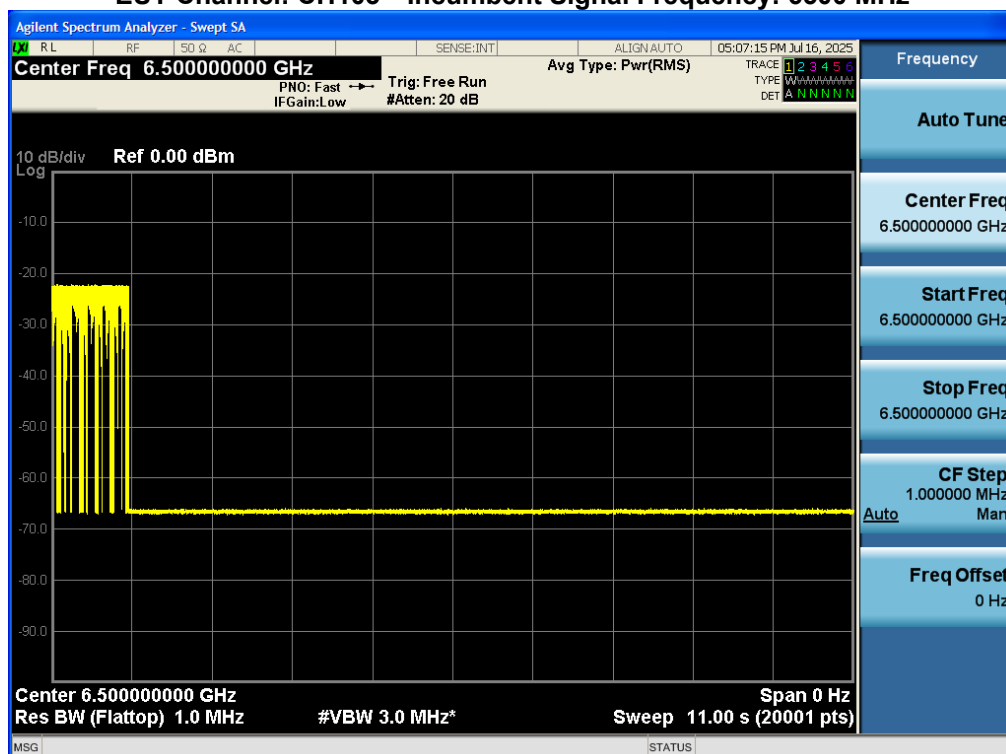
EUT Channel: CH103 Incumbent Signal Frequency: 6430 MHz



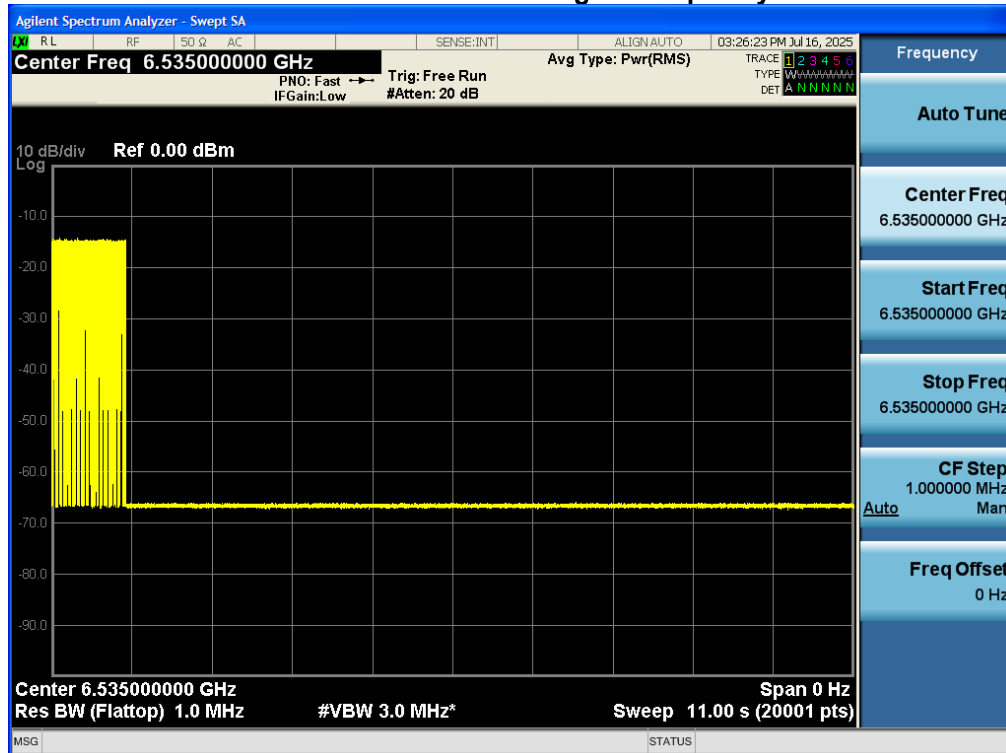
EUT Channel: CH103 Incumbent Signal Frequency: 6463 MHz



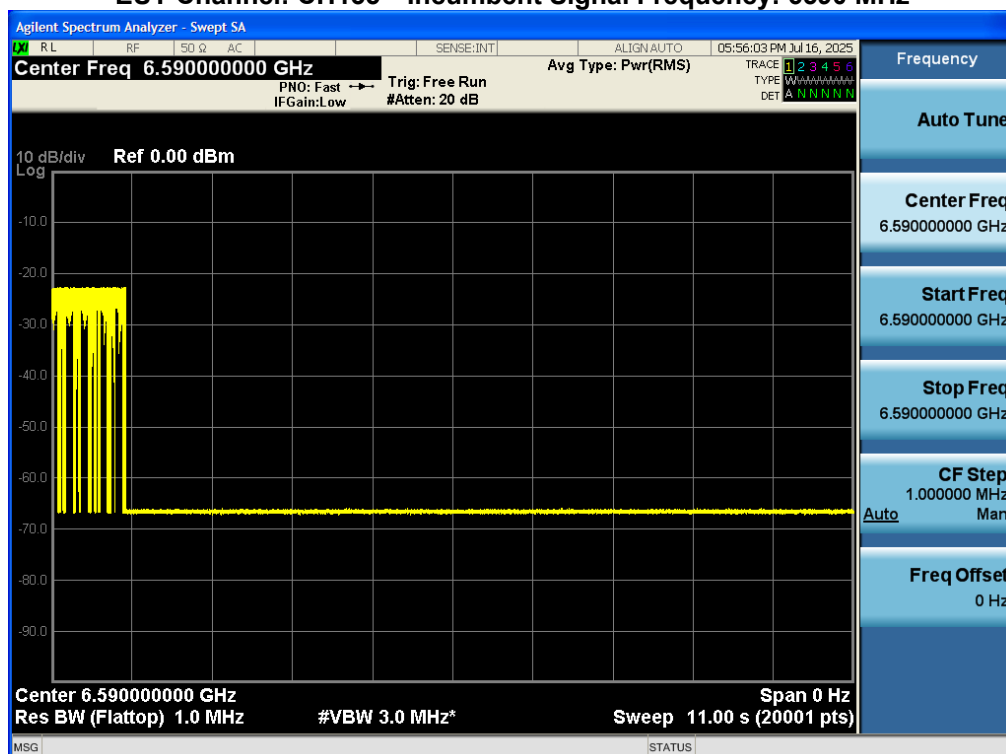
EUT Channel: CH103 Incumbent Signal Frequency: 6500 MHz



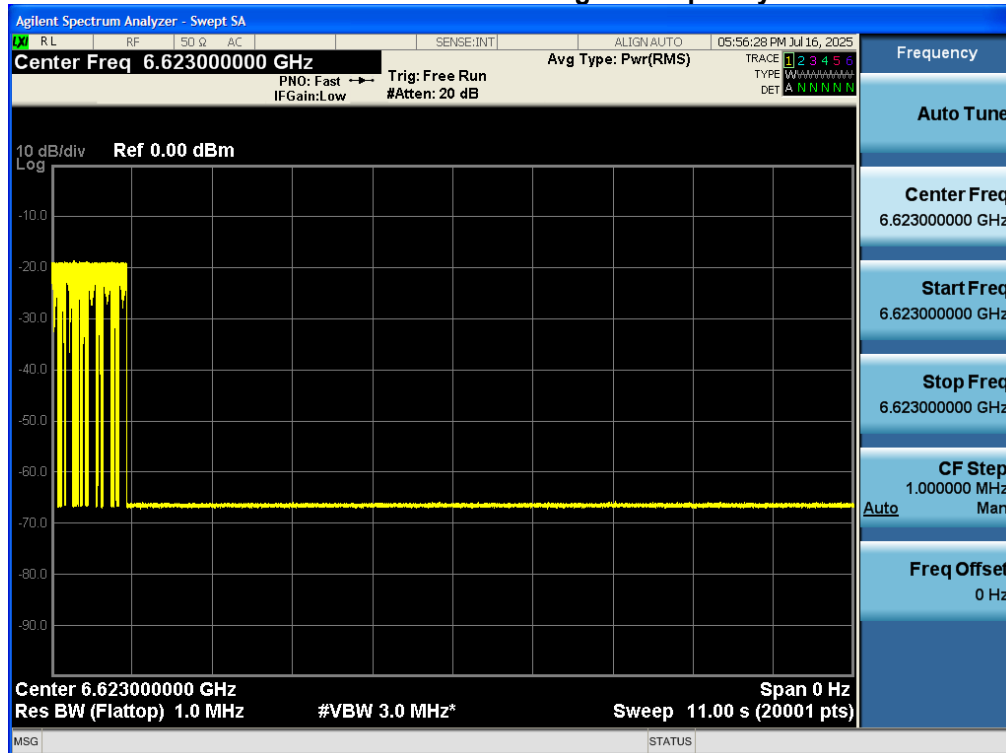
EUT Channel: CH117 Incumbent Signal Frequency: 6535 MHz



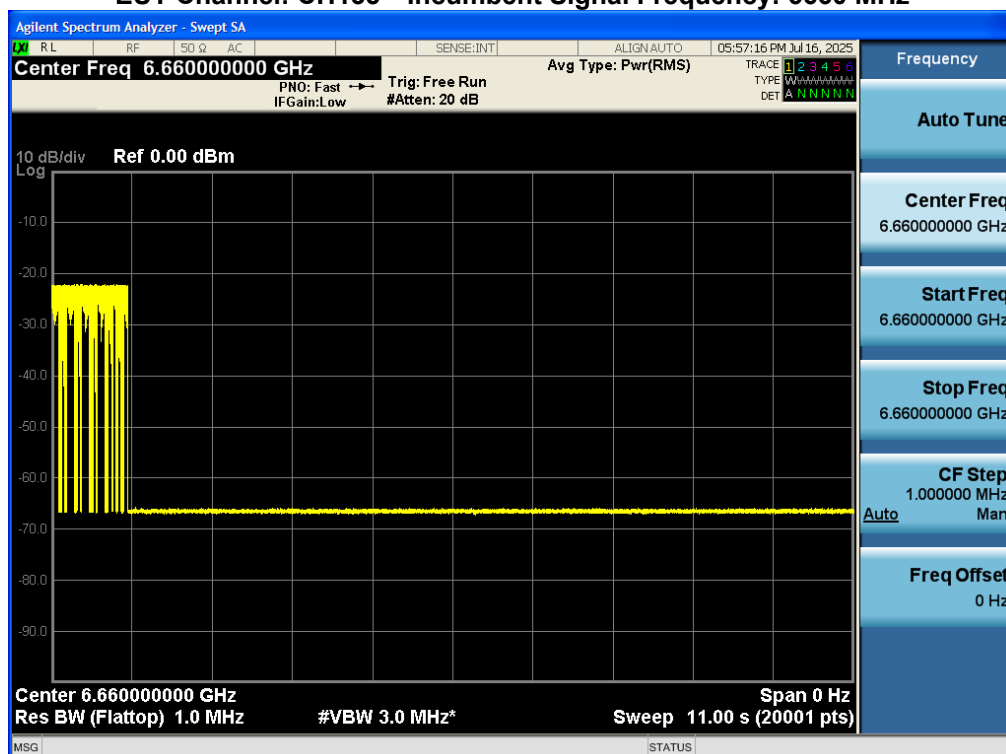
EUT Channel: CH135 Incumbent Signal Frequency: 6590 MHz



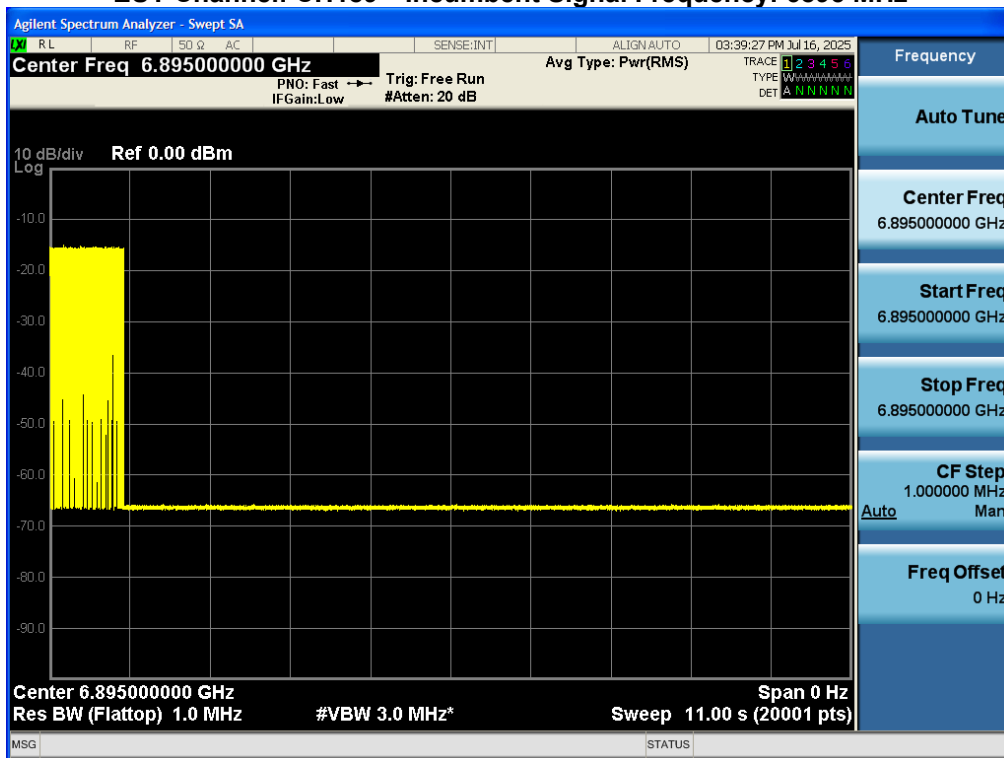
EUT Channel: CH135 Incumbent Signal Frequency: 6623 MHz



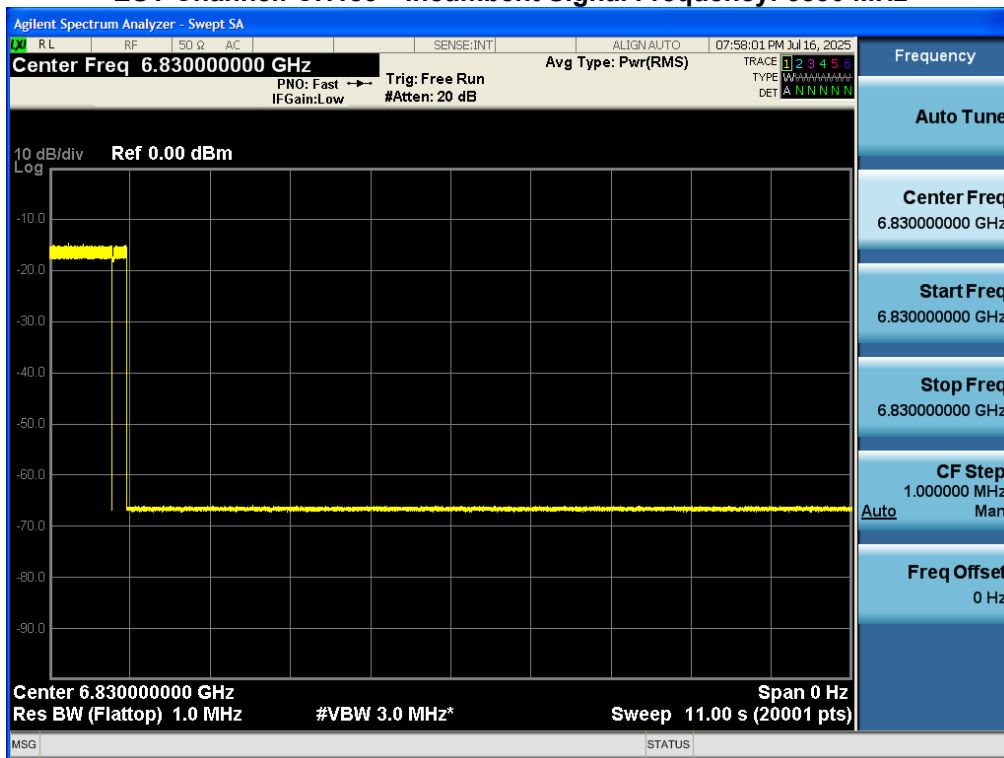
EUT Channel: CH135 Incumbent Signal Frequency: 6660 MHz



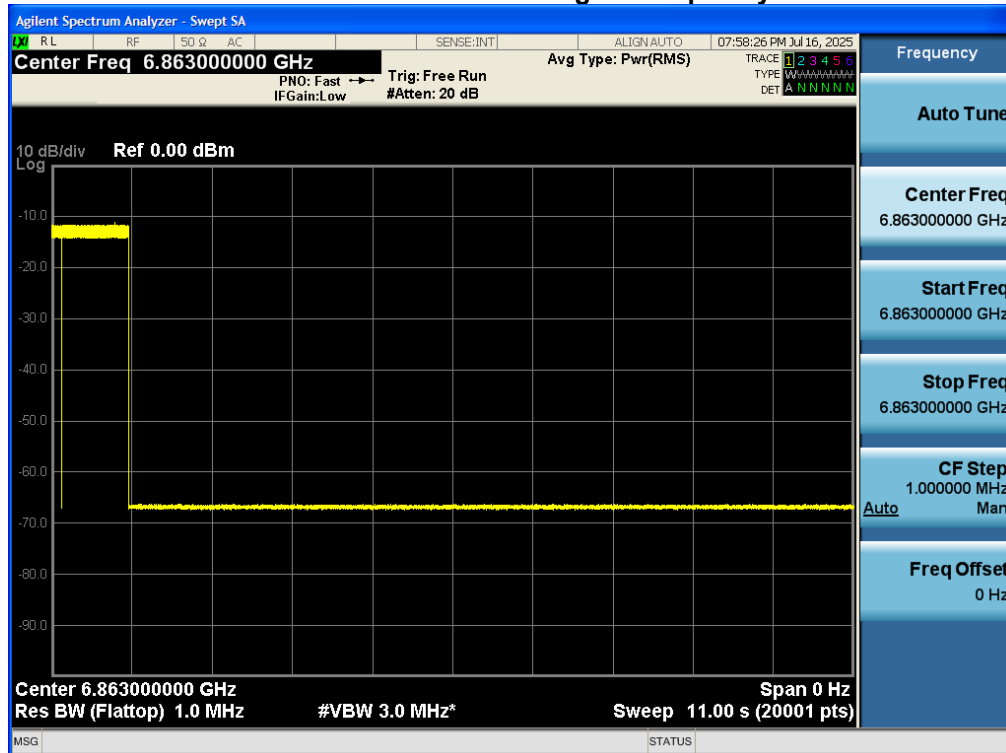
EUT Channel: CH189 Incumbent Signal Frequency: 6895 MHz



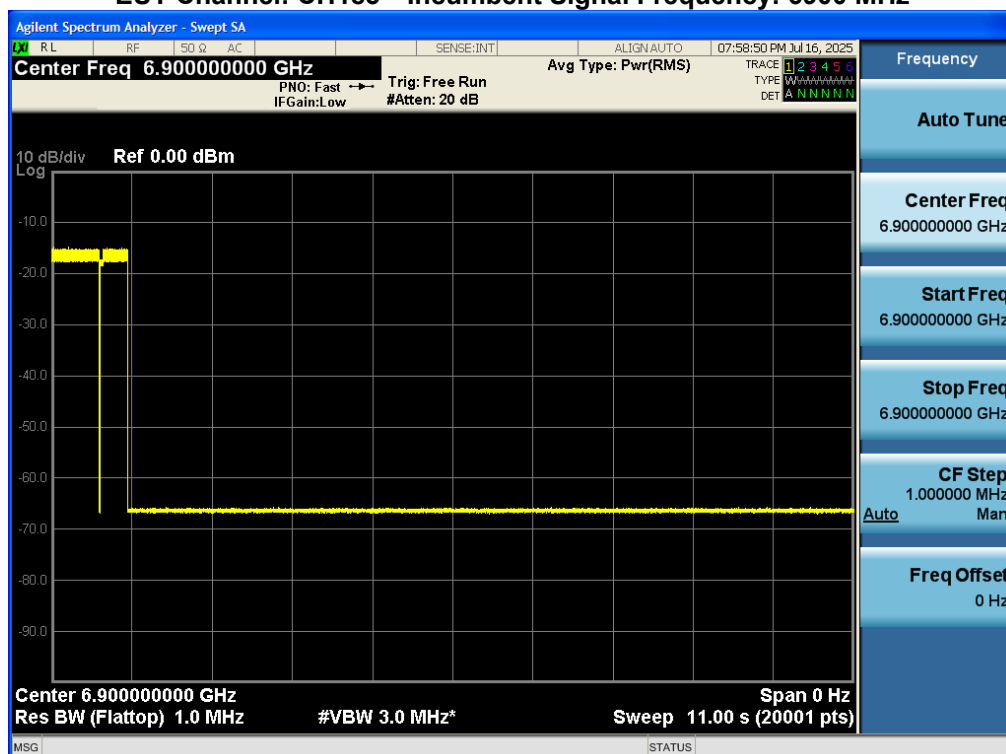
EUT Channel: CH183 Incumbent Signal Frequency: 6830 MHz



EUT Channel: CH183 Incumbent Signal Frequency: 6863 MHz



EUT Channel: CH183 Incumbent Signal Frequency: 6900 MHz



APPENDIX J - FREQUENCY STABILITY

Test Mode	UNII-5
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Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	5955.0000
4.25	5954.9502
5.00	5954.9496
5.75	5954.9500
Maximum Deviation (MHz)	-0.0504
Maximum Deviation (ppm)	-8.46

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	5955.0000
-5	5954.9680
0	5954.9688
10	5954.9662
20	5954.9546
30	5954.9592
40	5954.9546
50	5954.9506
55	5954.9442
Maximum Deviation (MHz)	-0.0558
Maximum Deviation (ppm)	-9.37

Test Mode	UNII-6
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Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	6435.0000
4.25	6434.9510
5.00	6434.9562
5.75	6434.9532
Maximum Deviation (MHz)	-0.0490
Maximum Deviation (ppm)	-7.61

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	6435.0000
-5	6434.9690
0	6434.9630
10	6434.9628
20	6434.9550
30	6434.9490
40	6434.9506
50	6434.9398
55	6434.9396
Maximum Deviation (MHz)	-0.0604
Maximum Deviation (ppm)	-9.39

Test Mode	UNII-7
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Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	6535.0000
4.25	6534.9478
5.00	6534.9538
5.75	6534.9500
Maximum Deviation (MHz)	-0.0522
Maximum Deviation (ppm)	-7.99

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	6535.0000
-5	6534.9624
0	6534.9624
10	6534.9660
20	6534.9490
30	6534.9606
40	6534.9458
50	6534.9392
55	6534.9376
Maximum Deviation (MHz)	-0.0624
Maximum Deviation (ppm)	-9.55

Test Mode	UNII-8
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Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	6895.0000
4.25	6894.9446
5.00	6894.9548
5.75	6894.9482
Maximum Deviation (MHz)	-0.0554
Maximum Deviation (ppm)	-8.03

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	6895.0000
-5	6894.9604
0	6894.9600
10	6894.9578
20	6894.9416
30	6894.9418
40	6894.9364
50	6894.9342
55	6894.9364
Maximum Deviation (MHz)	-0.0658
Maximum Deviation (ppm)	-9.54

End of Test Report