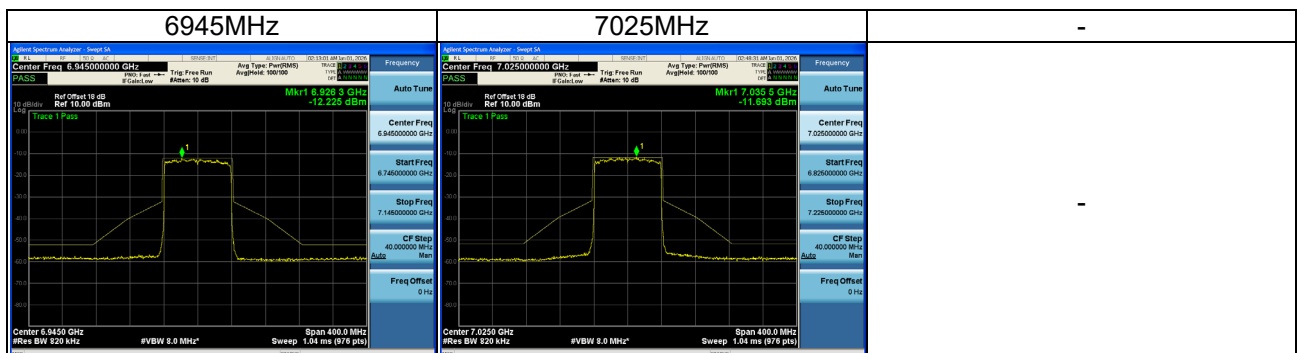
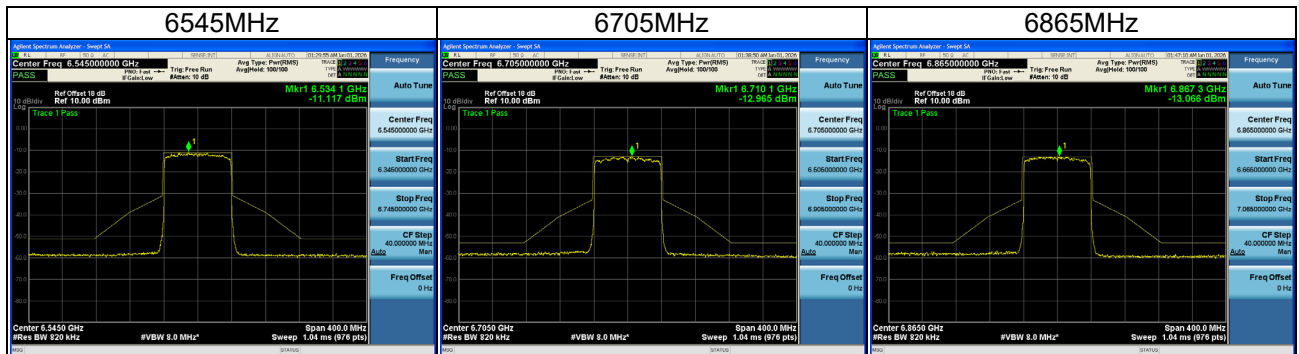
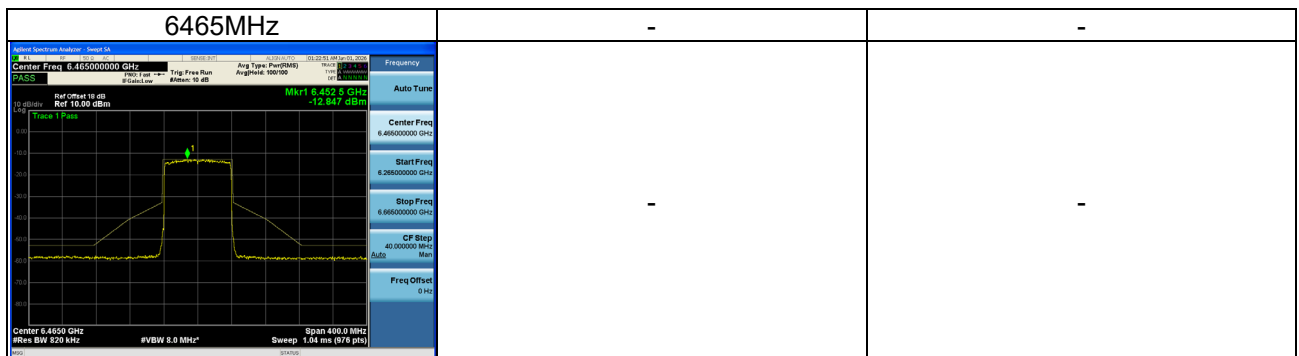
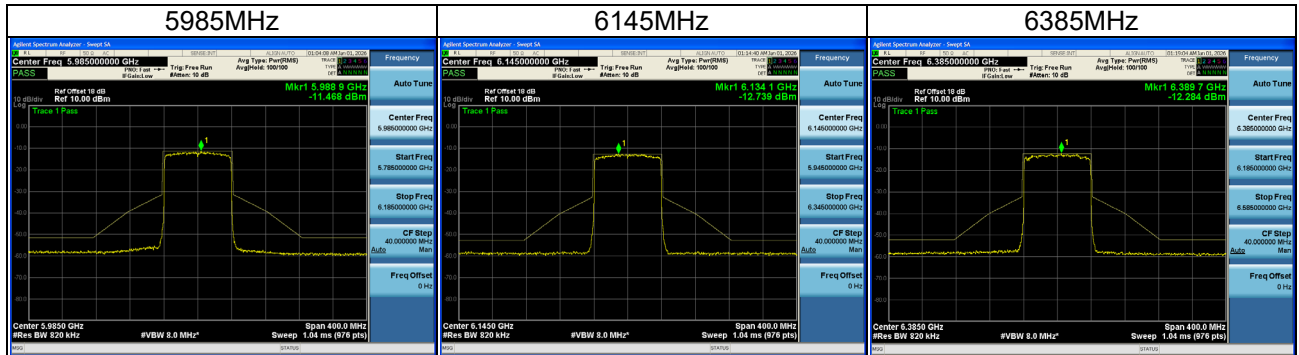
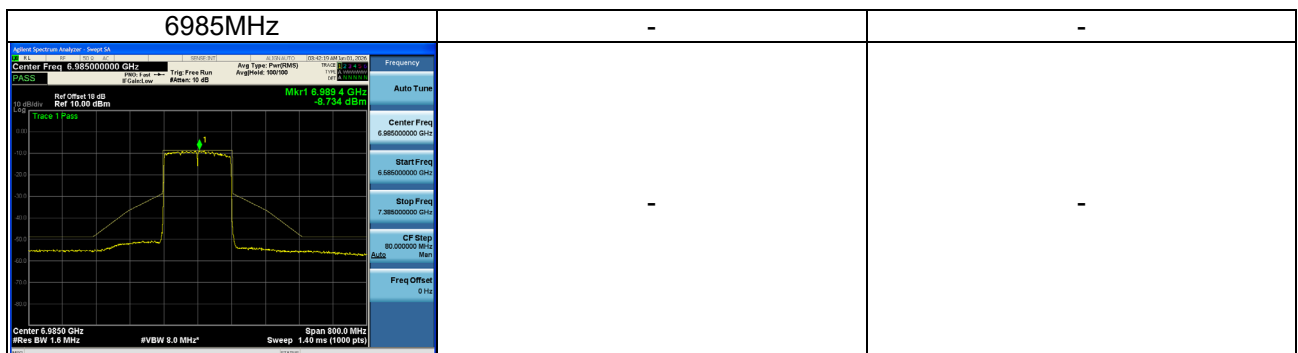
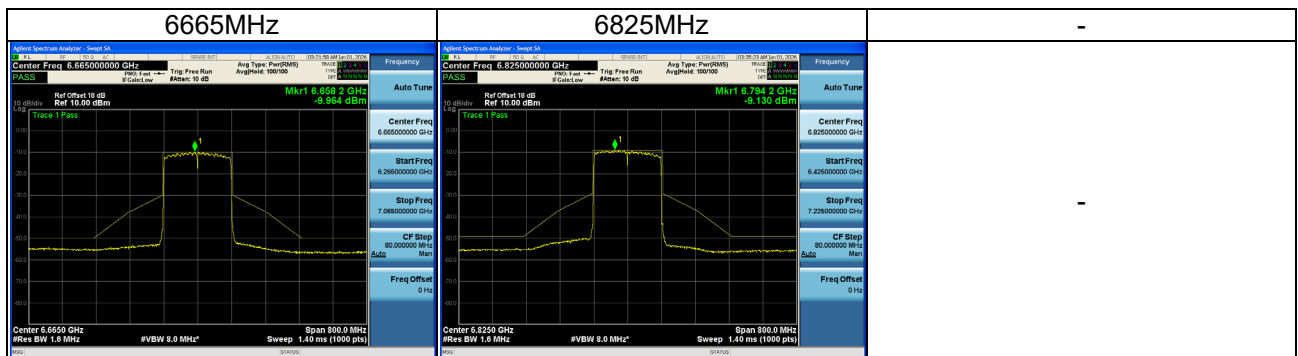
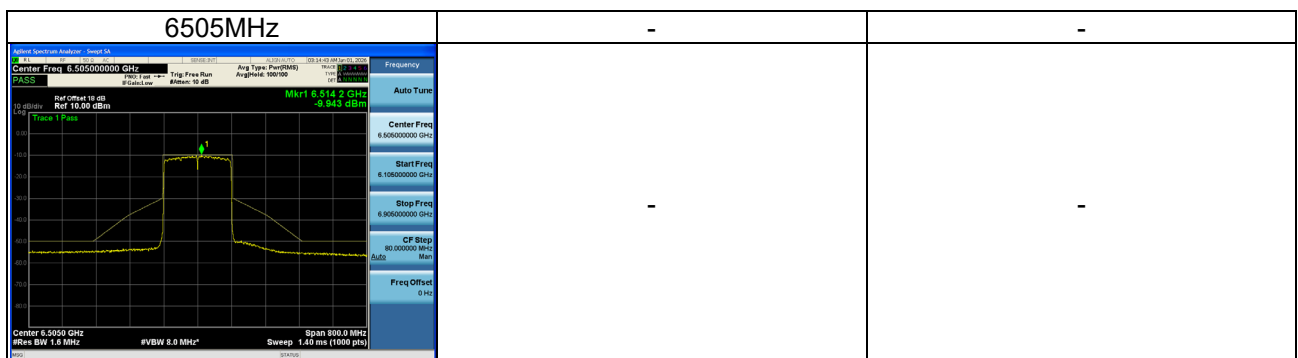
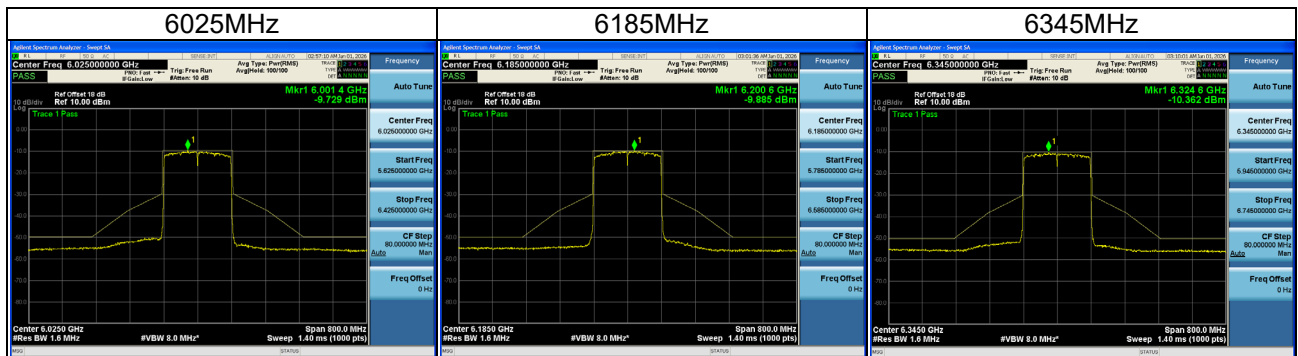


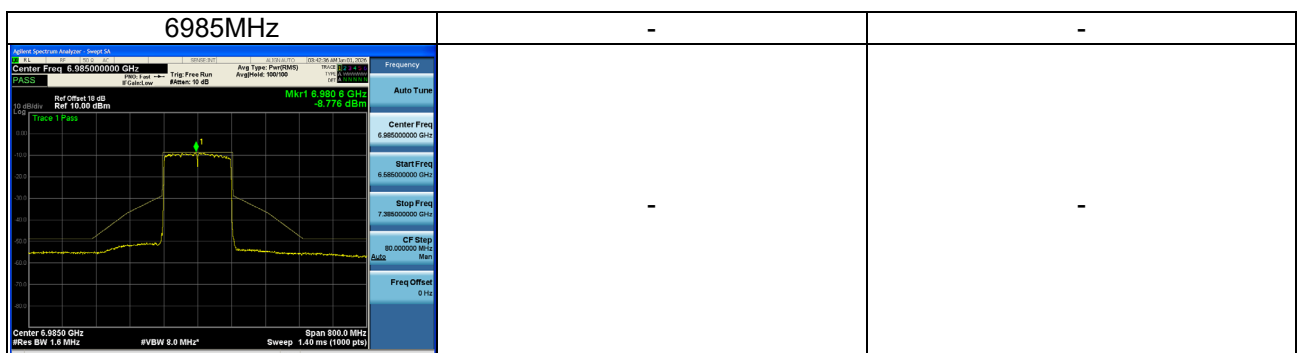
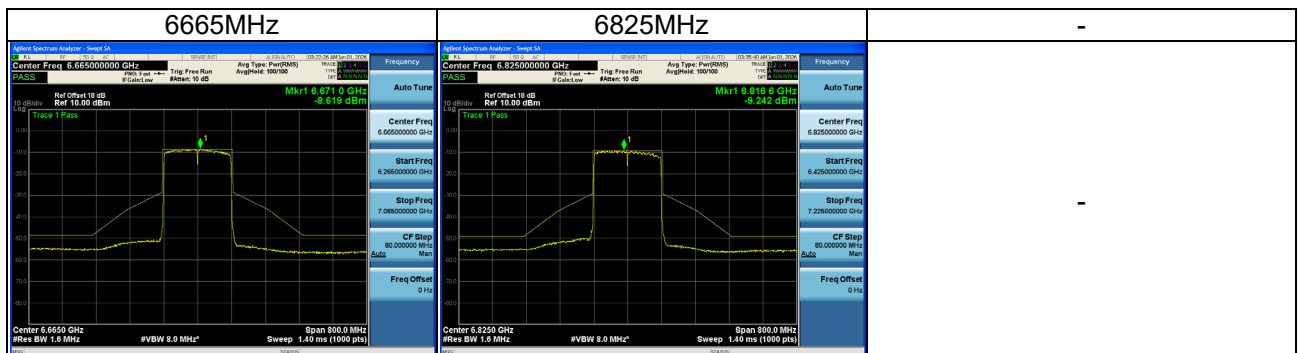
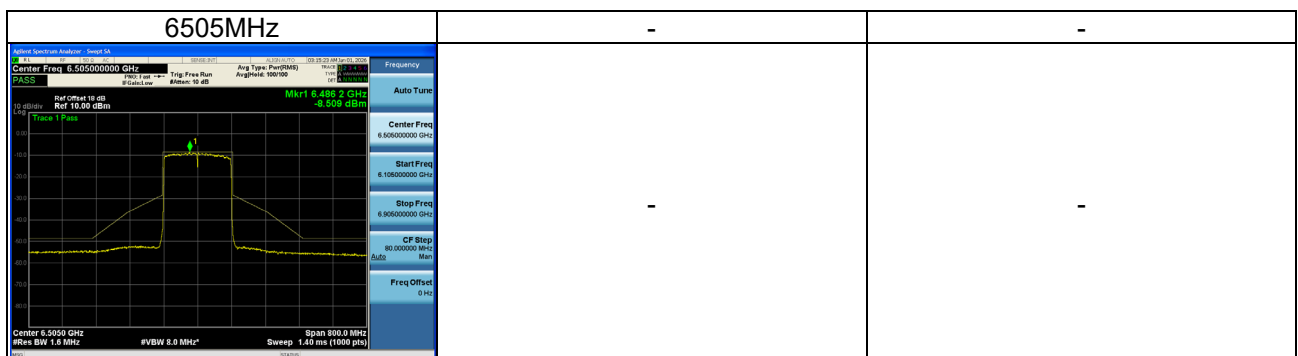
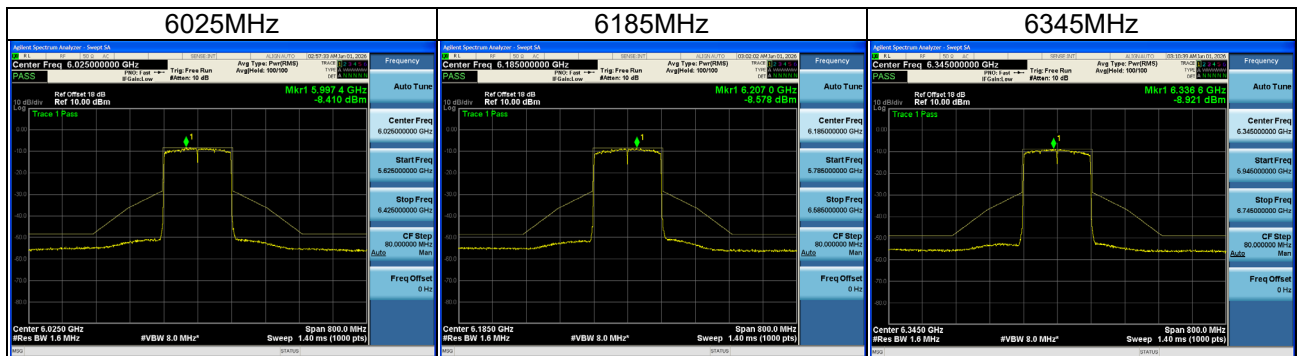
Test Mode IEEE 802.11ax(HE80)_Ant_2



Test Mode IEEE 802.11ax(HE160)_Ant_1



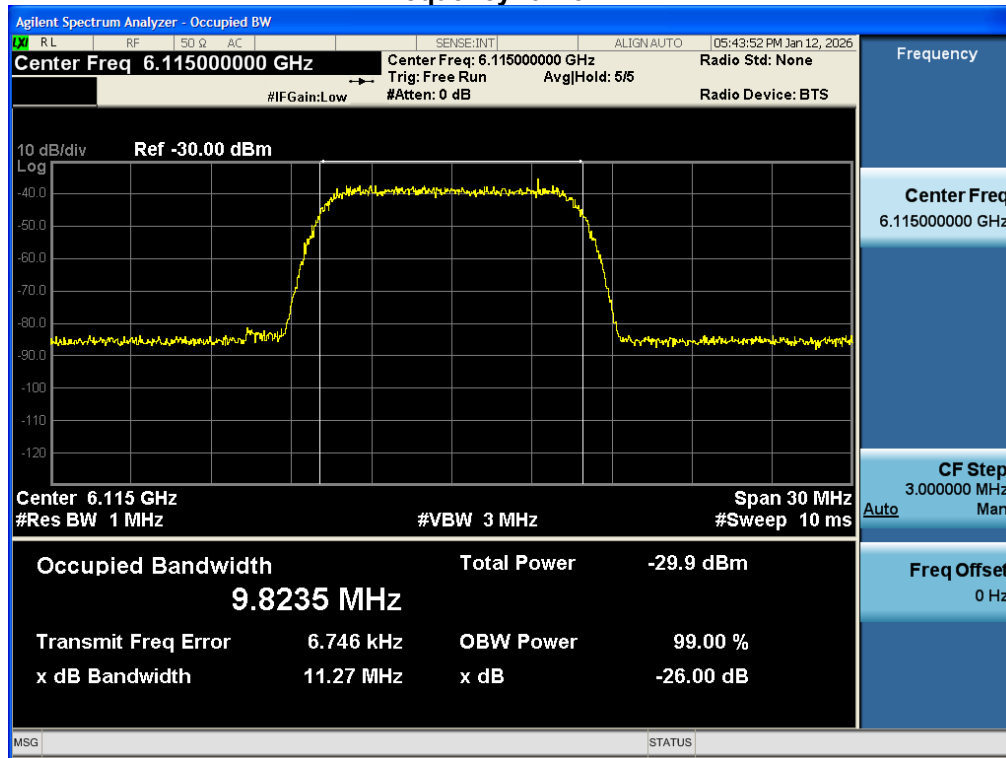
Test Mode IEEE 802.11ax(HE160)_Ant_2



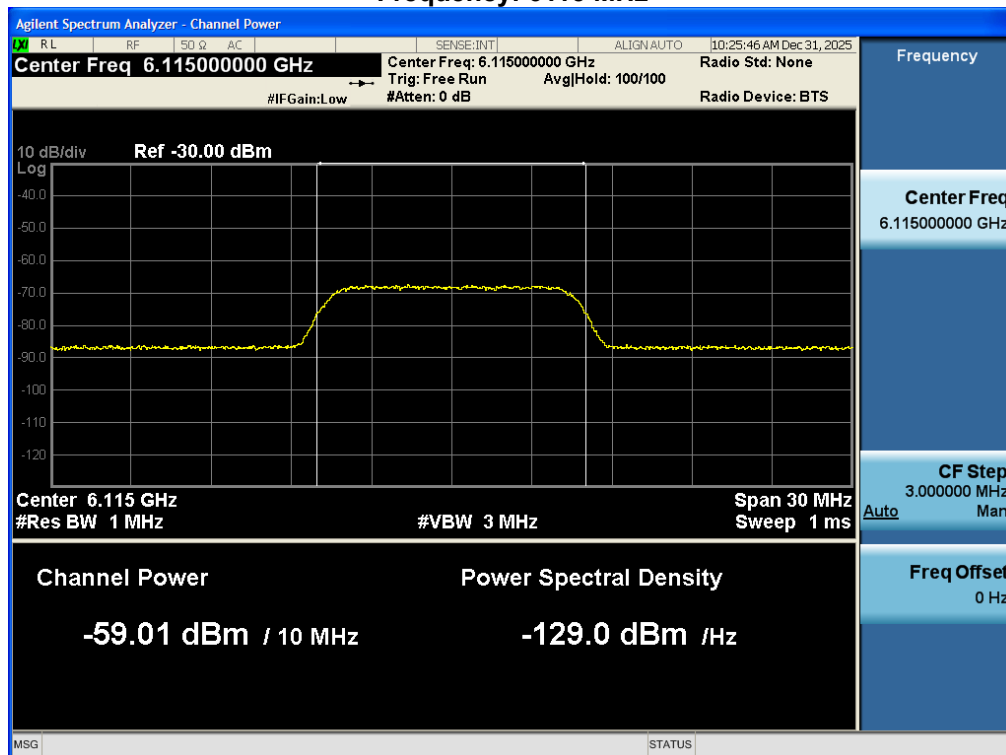
APPENDIX I - CONTENTION BASED PROTOCOL

Test Mode	UNII-5, UNII-6, UNII-7, UNII-8
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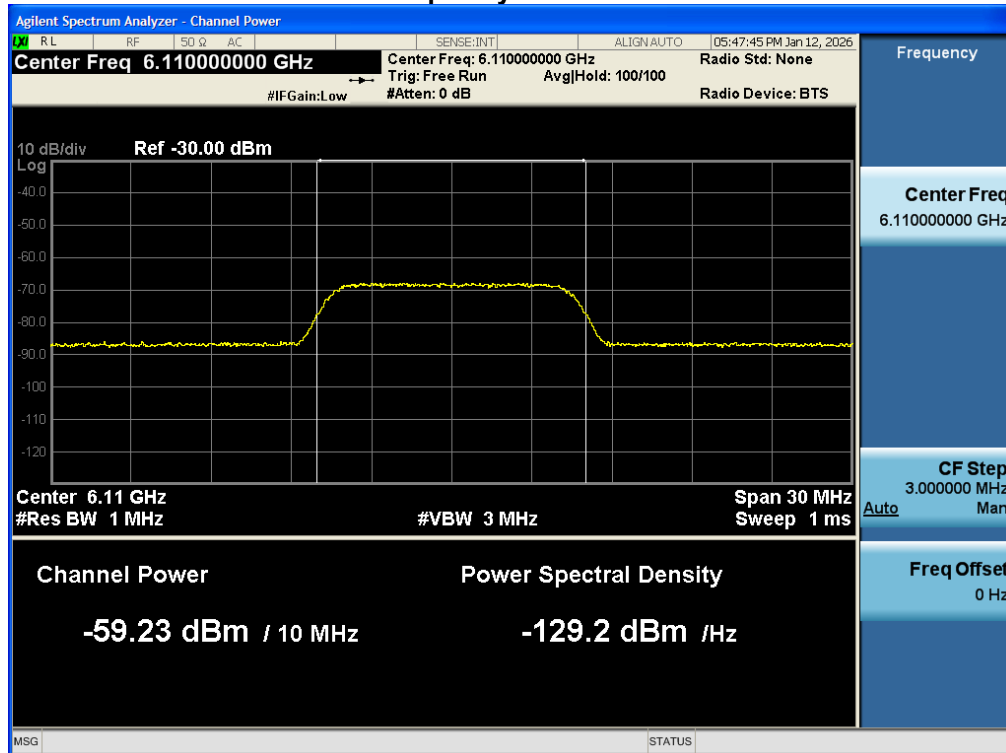
Incumbent Signal (AWGN) Frequency: 6115 MHz



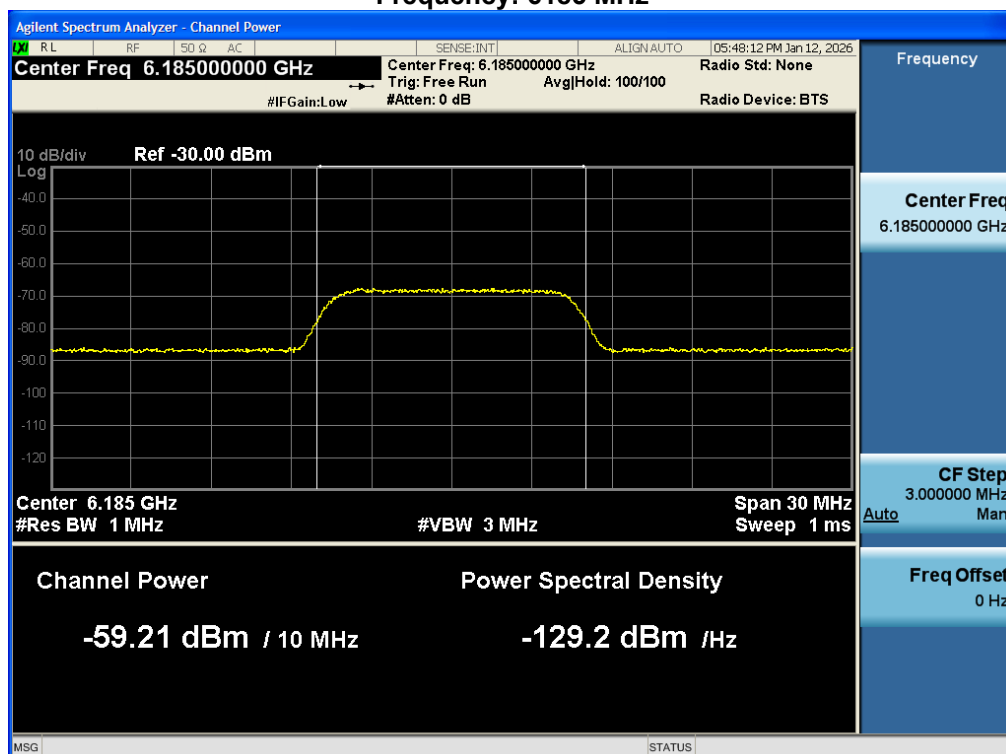
Frequency: 6115 MHz



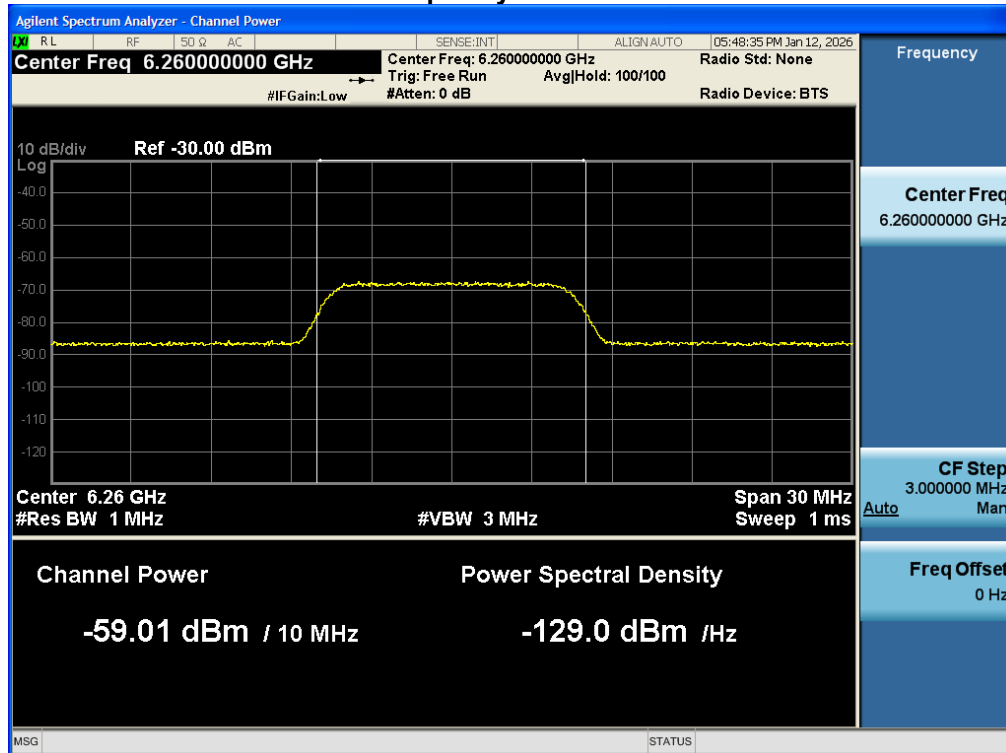
Frequency: 6110 MHz



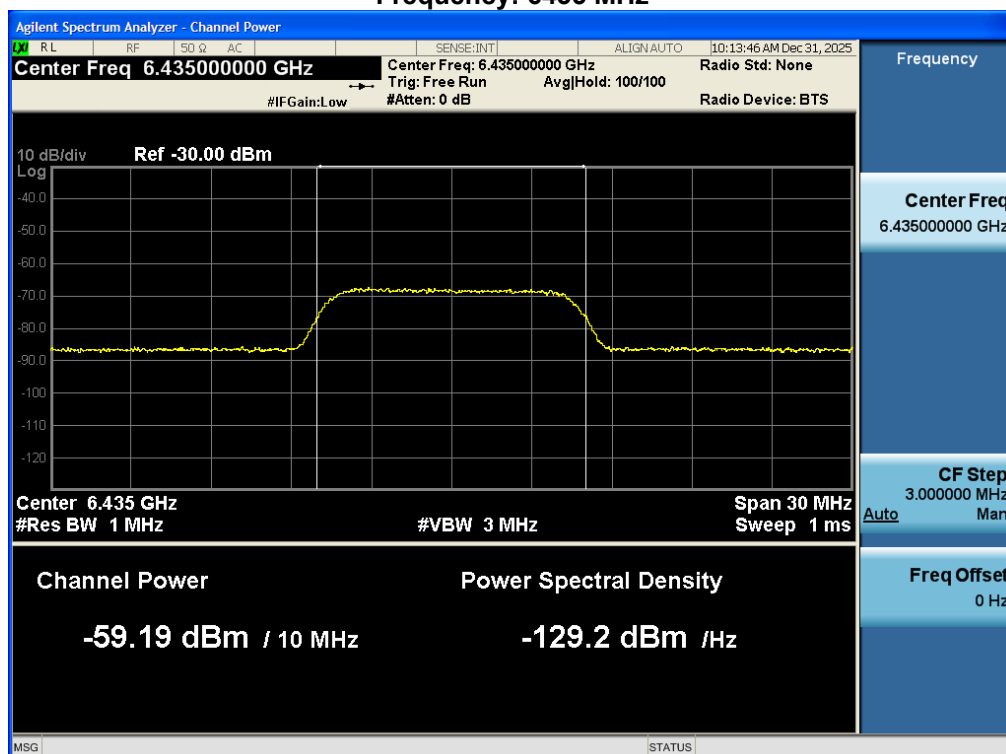
Frequency: 6185 MHz



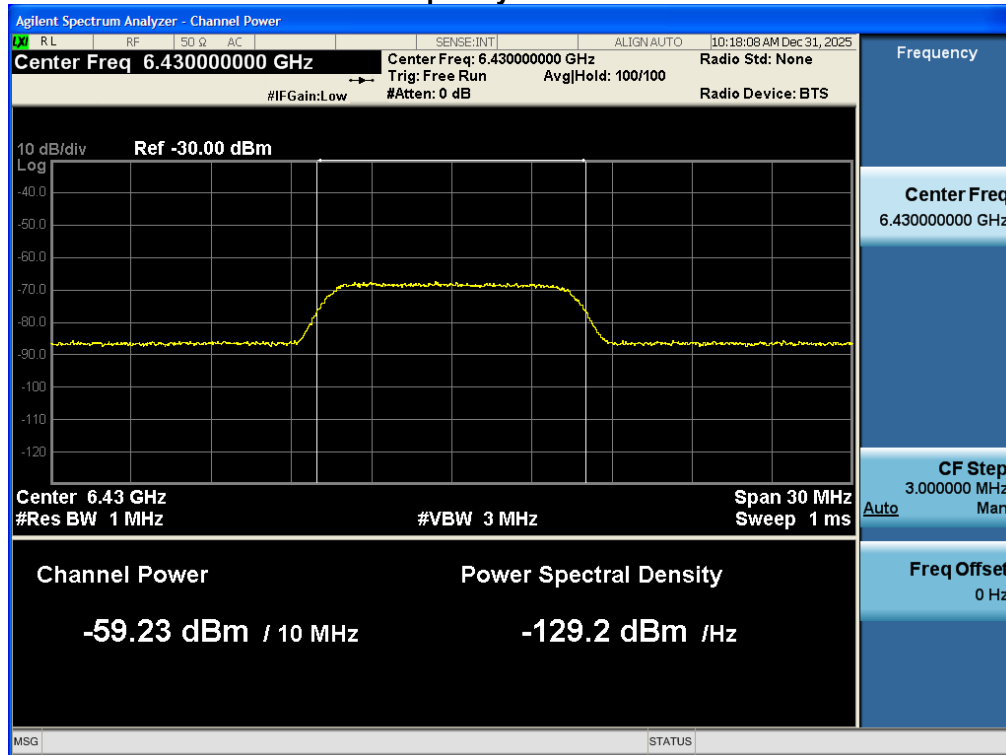
Frequency: 6260 MHz



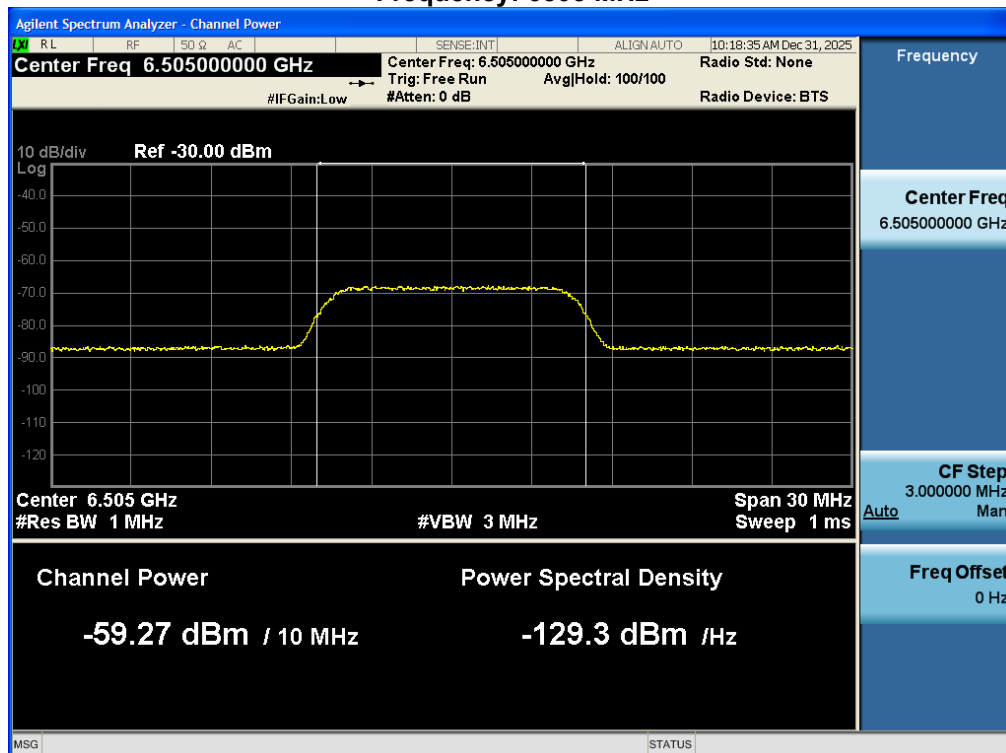
Frequency: 6435 MHz



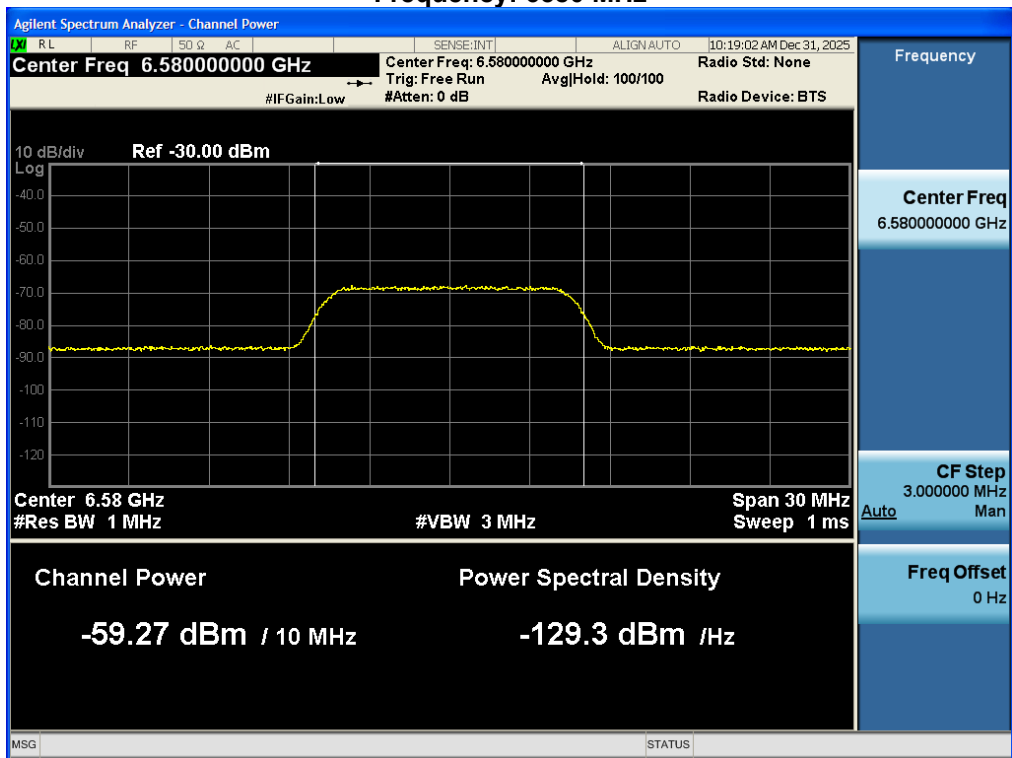
Frequency: 6430 MHz



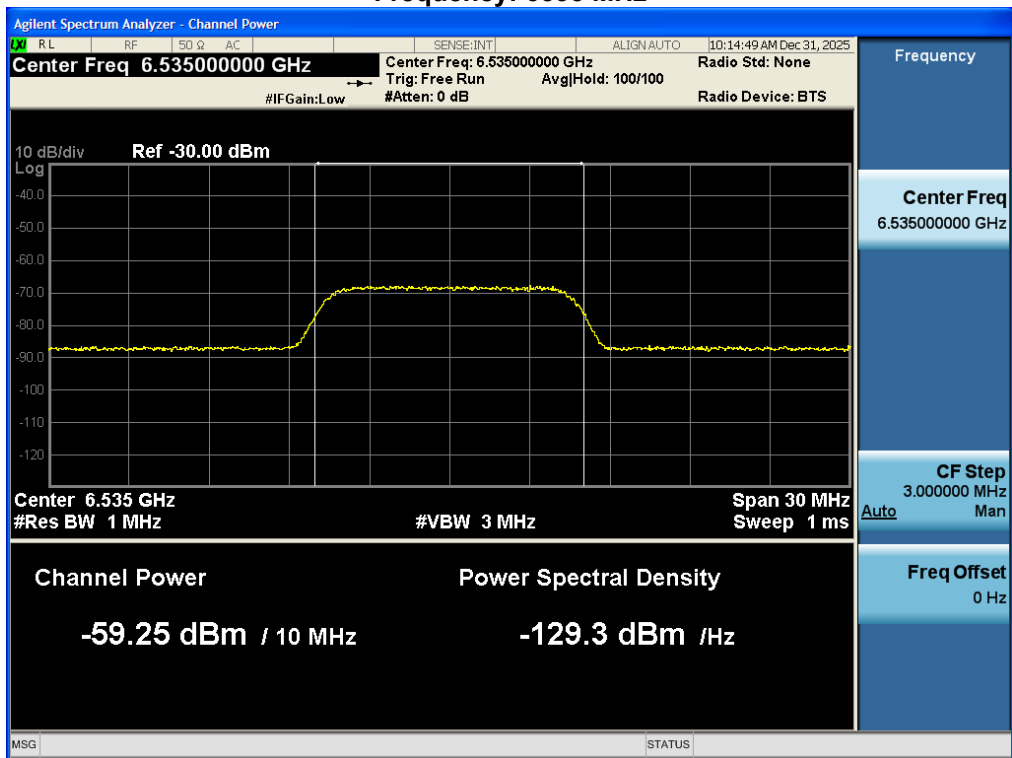
Frequency: 6505 MHz



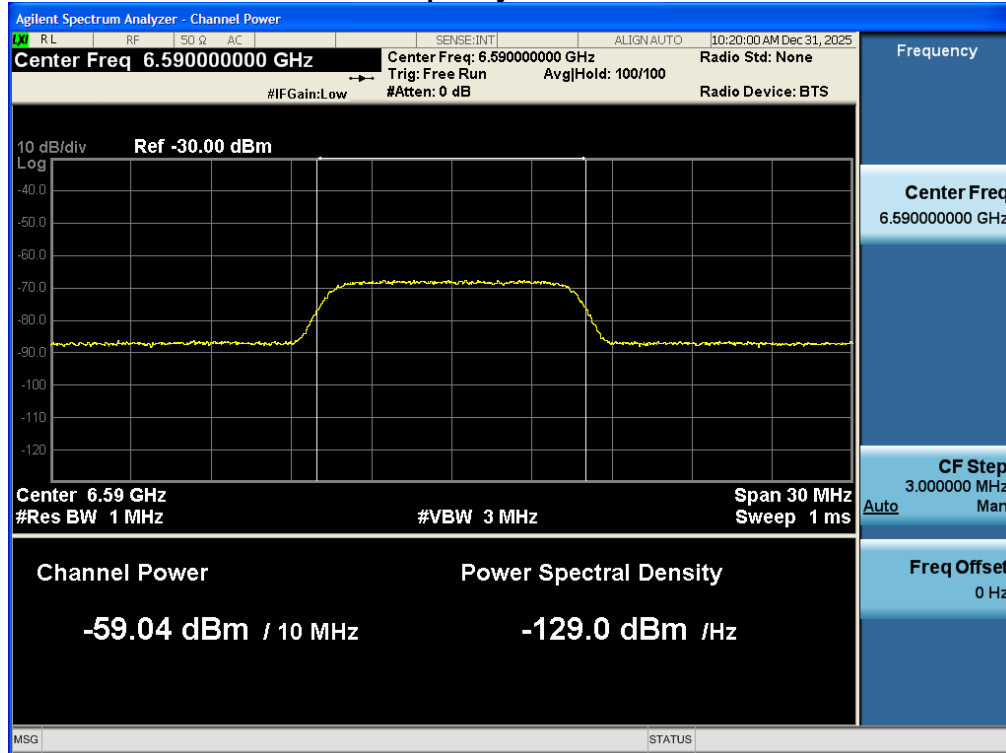
Frequency: 6580 MHz



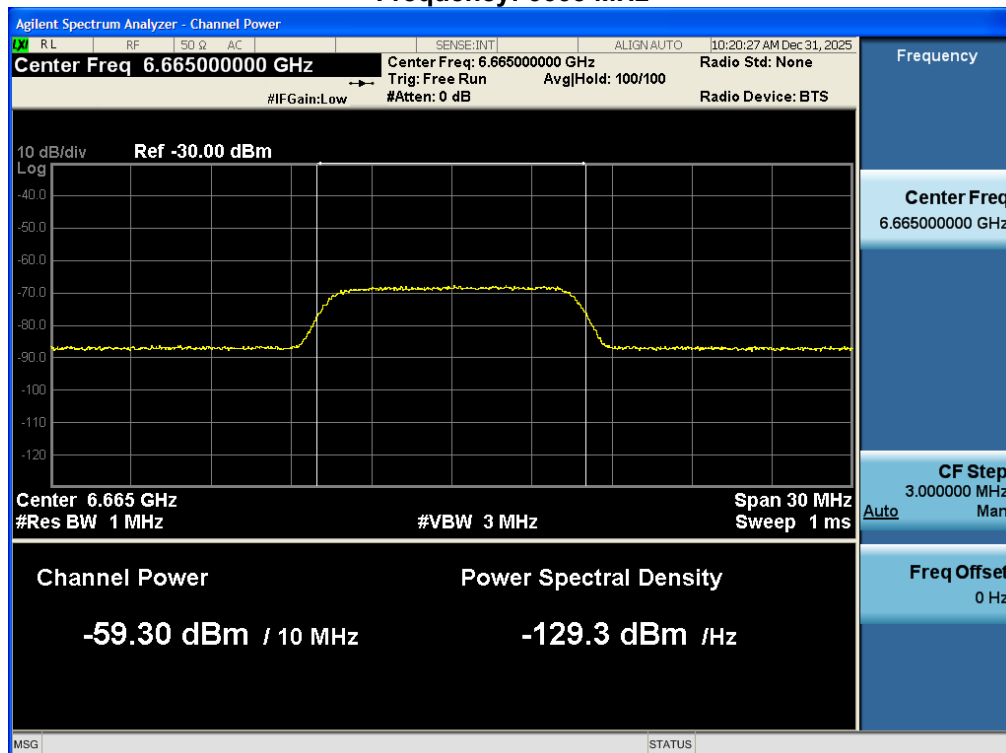
Frequency: 6535 MHz



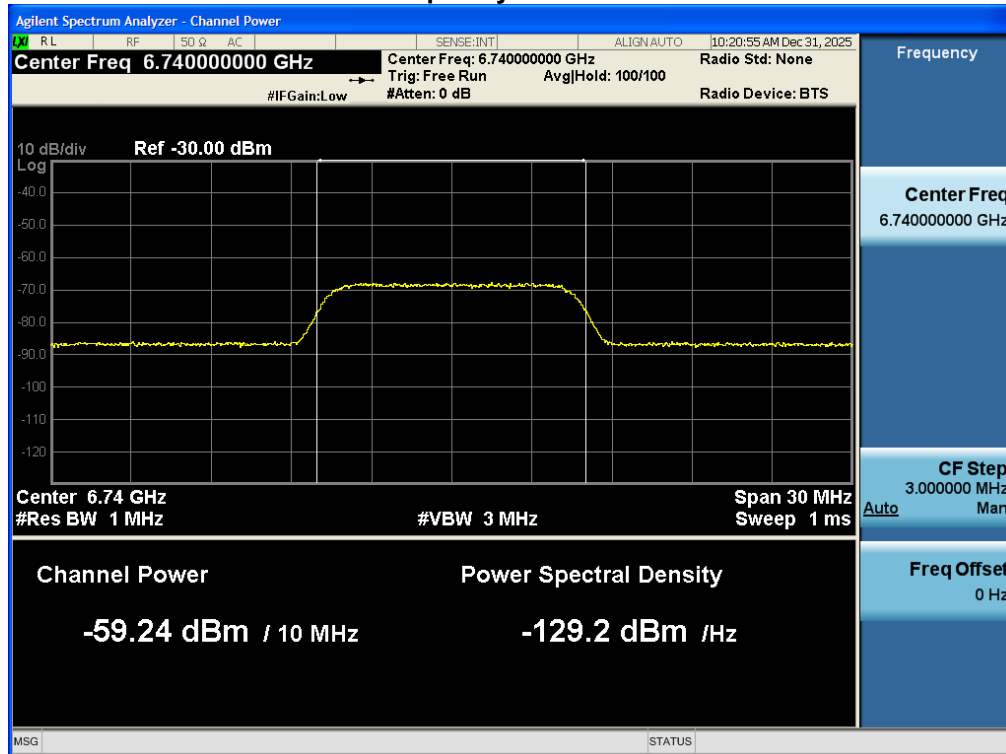
Frequency: 6590 MHz



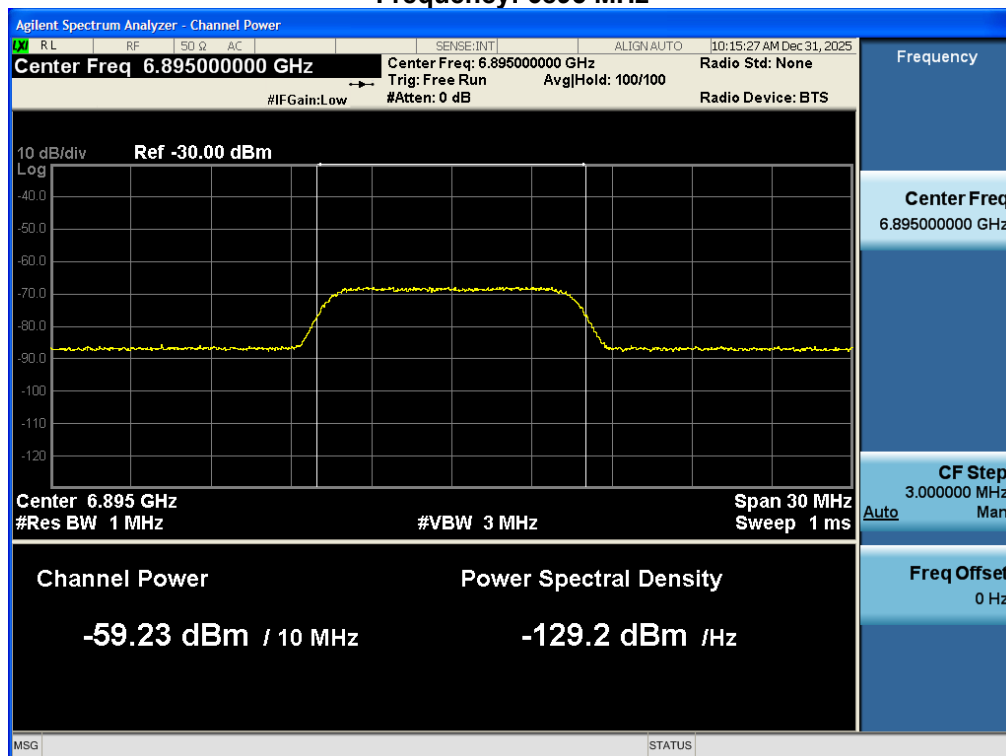
Frequency: 6665 MHz



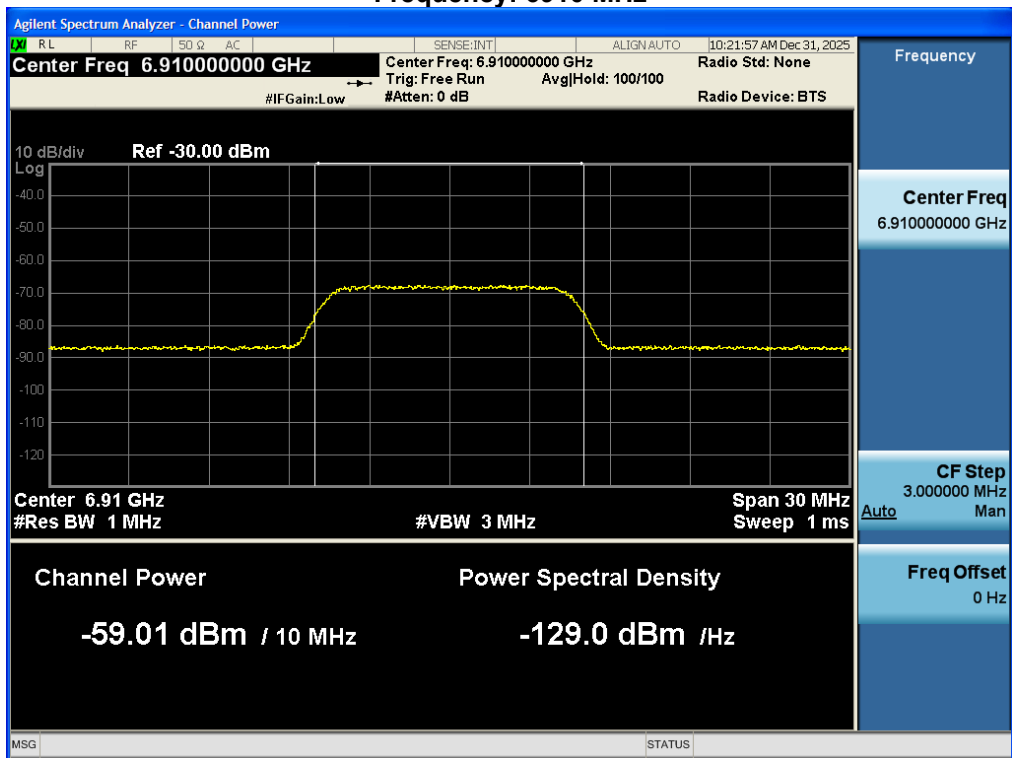
Frequency: 6740 MHz



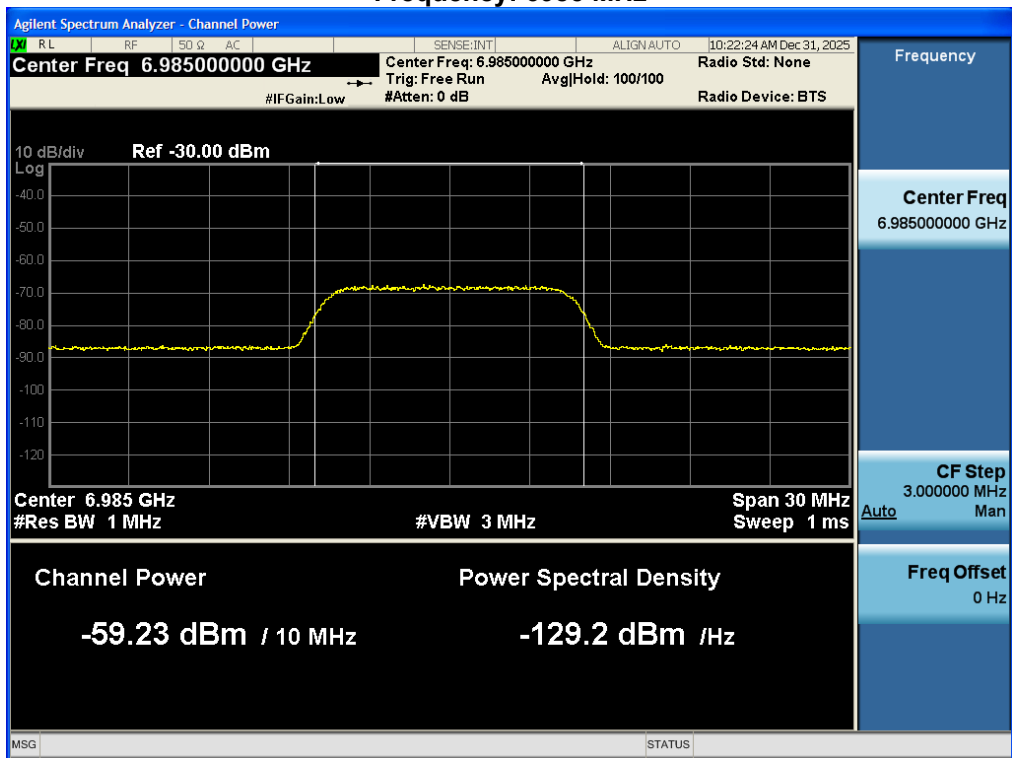
Frequency: 6895 MHz

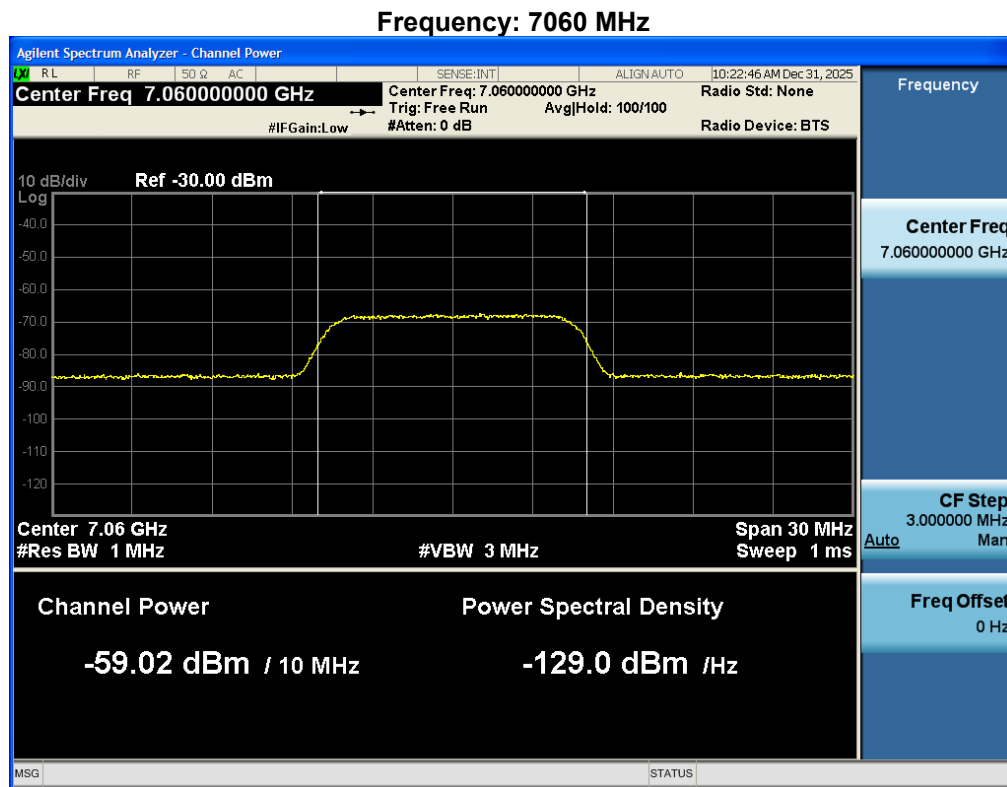


Frequency: 6910 MHz



Frequency: 6985 MHz





Detection power level

UNII Band	5		
Channel Number	33		
Bandwidth (MHz)	20		
EUT Frequency (MHz)	6115		
AWGN Frequency (MHz)	6115		
AWGN Power (dBm)	-77.01	-78.01	-80.00
Antenna Gain (dBi)	3.00		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-80.01	-81.01	-83.00
Detection Limit (dBm)	-62		
EUT Tx Status	OFF	Minimal	ON

UNII Band	5			UNII Band	5			UNII Band	5		
Channel Number	47			Channel Number	47			Channel Number	47		
Bandwidth (MHz)	160			Bandwidth (MHz)	160			Bandwidth (MHz)	160		
EUT Frequency (MHz)	6185			EUT Frequency (MHz)	6185			EUT Frequency (MHz)	6185		
AWGN Frequency (MHz)	6110			AWGN Frequency (MHz)	6185			AWGN Frequency (MHz)	6260		
AWGN Power (dBm)	-76.23	-77.23	-80.00	AWGN Power (dBm)	-71.21	-73.21	-80.00	AWGN Power (dBm)	-75.01	-78.01	-80.00
Antenna Gain (dBi)	3.00			Antenna Gain (dBi)	3.00			Antenna Gain (dBi)	3.00		
Path Loss (dB)	0.00			Path Loss (dB)	0.00			Path Loss (dB)	0.00		
Adjusted Power (dBm)	-79.23	-80.23	-83.00	Adjusted Power (dBm)	-74.21	-76.21	-83.00	Adjusted Power (dBm)	-78.01	-81.01	-83.00
Detection Limit (dBm)	-62			Detection Limit (dBm)	-62			Detection Limit (dBm)	-62		
EUT Tx Status	OFF	Minimal	ON	EUT Tx Status	OFF	Minimal	ON	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)	-73.19	-78.19	-80.00
Antenna Gain (dBi)	3.00		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-76.19	-81.19	-83.00
Detection Limit (dBm)	-62		
EUT Tx Status	OFF	Minimal	ON

UNII Band	6			UNII Band	6			UNII Band	6		
Channel Number	111			Channel Number	111			Channel Number	111		
Bandwidth (MHz)	160			Bandwidth (MHz)	160			Bandwidth (MHz)	160		
EUT Frequency (MHz)	6505			EUT Frequency (MHz)	6505			EUT Frequency (MHz)	6505		
AWGN Frequency (MHz)	6430			AWGN Frequency (MHz)	6505			AWGN Frequency (MHz)	6580		
AWGN Power (dBm)	-71.23	-76.23	-80.00	AWGN Power (dBm)	-67.27	-72.27	-80.00	AWGN Power (dBm)	-59.27	-76.27	-80.00
Antenna Gain (dBi)	3.00			Antenna Gain (dBi)	3.00			Antenna Gain (dBi)	3.00		
Path Loss (dB)	0.00			Path Loss (dB)	0.00			Path Loss (dB)	0.00		
Adjusted Power (dBm)	-74.23	-79.23	-83.00	Adjusted Power (dBm)	-70.27	-75.27	-83.00	Adjusted Power (dBm)	-62.27	-79.27	-83.00
Detection Limit (dBm)	-62			Detection Limit (dBm)	-62			Detection Limit (dBm)	-62		
EUT Tx Status	OFF	Minimal	ON	EUT Tx Status	OFF	Minimal	ON	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)	-75.25	-78.25	-80.00
Antenna Gain (dBi)	3.00		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-78.25	-81.25	-83.00
Detection Limit (dBm)	-62		
EUT Tx Status	OFF	Minimal	ON

UNII Band	7			UNII Band	7			UNII Band	7		
Channel Number	143			Channel Number	143			Channel Number	143		
Bandwidth (MHz)	160			Bandwidth (MHz)	160			Bandwidth (MHz)	160		
EUT Frequency (MHz)	6665			EUT Frequency (MHz)	6665			EUT Frequency (MHz)	6665		
AWGN Frequency (MHz)	6590			AWGN Frequency (MHz)	6665			AWGN Frequency (MHz)	6740		
AWGN Power (dBm)	-71.04	-76.04	-80.00	AWGN Power (dBm)	-64.30	-69.30	-80.00	AWGN Power (dBm)	-69.24	-74.24	-80.00
Antenna Gain (dBi)	3.00			Antenna Gain (dBi)	3.00			Antenna Gain (dBi)	3.00		
Path Loss (dB)	0.00			Path Loss (dB)	0.00			Path Loss (dB)	0.00		
Adjusted Power (dBm)	-74.04	-79.04	-83.00	Adjusted Power (dBm)	-67.30	-72.30	-83.00	Adjusted Power (dBm)	-72.24	-77.24	-83.00
Detection Limit (dBm)	-62			Detection Limit (dBm)	-62			Detection Limit (dBm)	-62		
EUT Tx Status	OFF	Minimal	ON	EUT Tx Status	OFF	Minimal	ON	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)	-74.23	-78.23	-80.00
Antenna Gain (dBi)	3.00		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-77.23	-81.23	-83.00
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	8			UNII Band	8			UNII Band	8		
Channel Number	207			Channel Number	207			Channel Number	207		
Bandwidth (MHz)	160			Bandwidth (MHz)	160			Bandwidth (MHz)	160		
EUT Frequency (MHz)	6985			EUT Frequency (MHz)	6985			EUT Frequency (MHz)	6985		
AWGN Frequency (MHz)	6910			AWGN Frequency (MHz)	6985			AWGN Frequency (MHz)	7060		
AWGN Power (dBm)	-73.01	-75.01	-80.00	AWGN Power (dBm)	-69.23	-71.23	-80.00	AWGN Power (dBm)	-72.02	-75.02	-80.00
Antenna Gain (dBi)	3.00			Antenna Gain (dBi)	3.00			Antenna Gain (dBi)	3.00		
Path Loss (dB)	0.00			Path Loss (dB)	0.00			Path Loss (dB)	0.00		
Adjusted Power (dBm)	-76.01	-78.01	-83.00	Adjusted Power (dBm)	-72.23	-74.23	-83.00	Adjusted Power (dBm)	-75.02	-78.02	-83.00
Detection Limit (dBm)	-62	-62	-62	Detection Limit (dBm)	-62	-62	-62	Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON	EUT Tx Status	OFF	Minimal	ON	EUT Tx Status	OFF	Minimal	ON

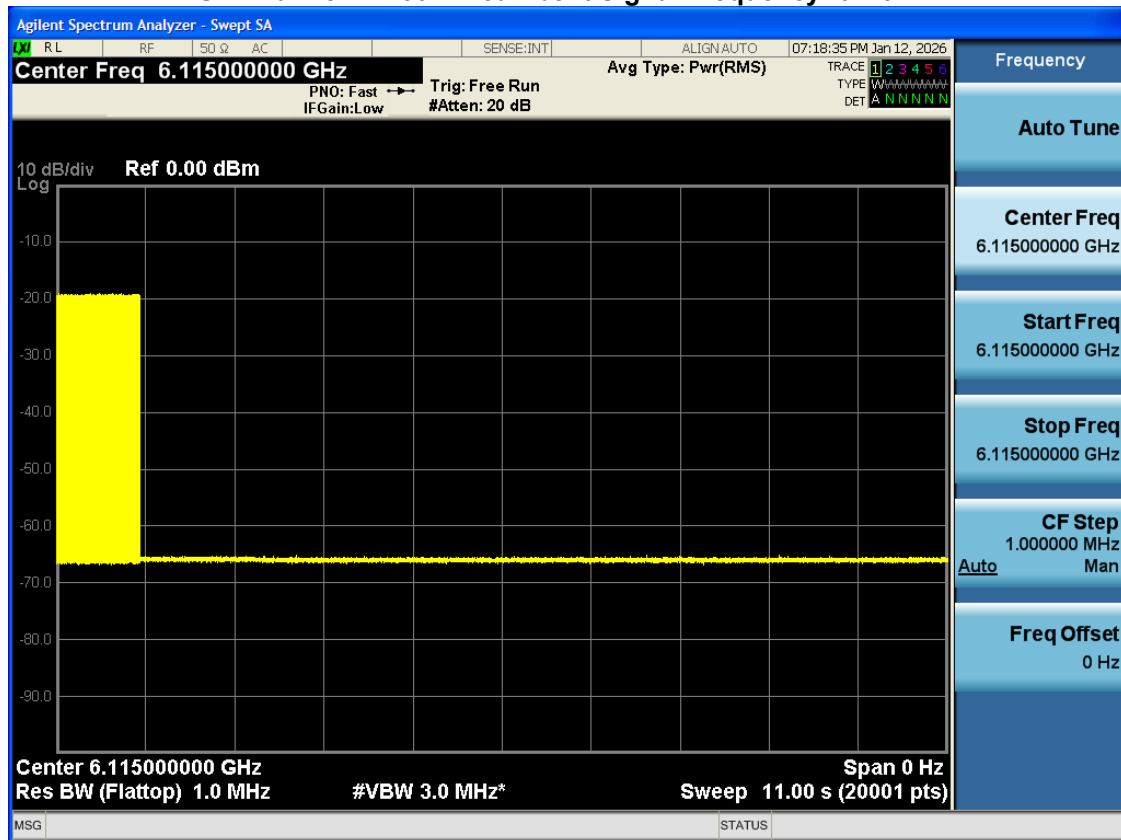
Detection power level and detection probability

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	33	6115	6115	10	10	100%	90%	Pass
	802.11ax	160	47	6185	6110	10	10	100%	90%	Pass
					6185	10	10	100%	90%	Pass
					6260	10	10	100%	90%	Pass
UNII-6	802.11ax	20	97	6435	6435	10	10	100%	90%	Pass
	802.11ax	160	111	6505	6430	10	9	90%	90%	Pass
					6505	10	10	100%	90%	Pass
					6580	10	10	100%	90%	Pass
UNII-7	802.11ax	20	117	6535	6535	10	10	100%	90%	Pass
	802.11ax	160	143	6665	6590	10	10	100%	90%	Pass
					6665	10	10	100%	90%	Pass
					6740	10	10	100%	90%	Pass
UNII-8	802.11ax	20	189	6895	6895	10	10	100%	90%	Pass
	802.11ax	160	207	6985	6910	10	10	100%	90%	Pass
					6985	10	10	100%	90%	Pass
					7060	10	10	100%	90%	Pass

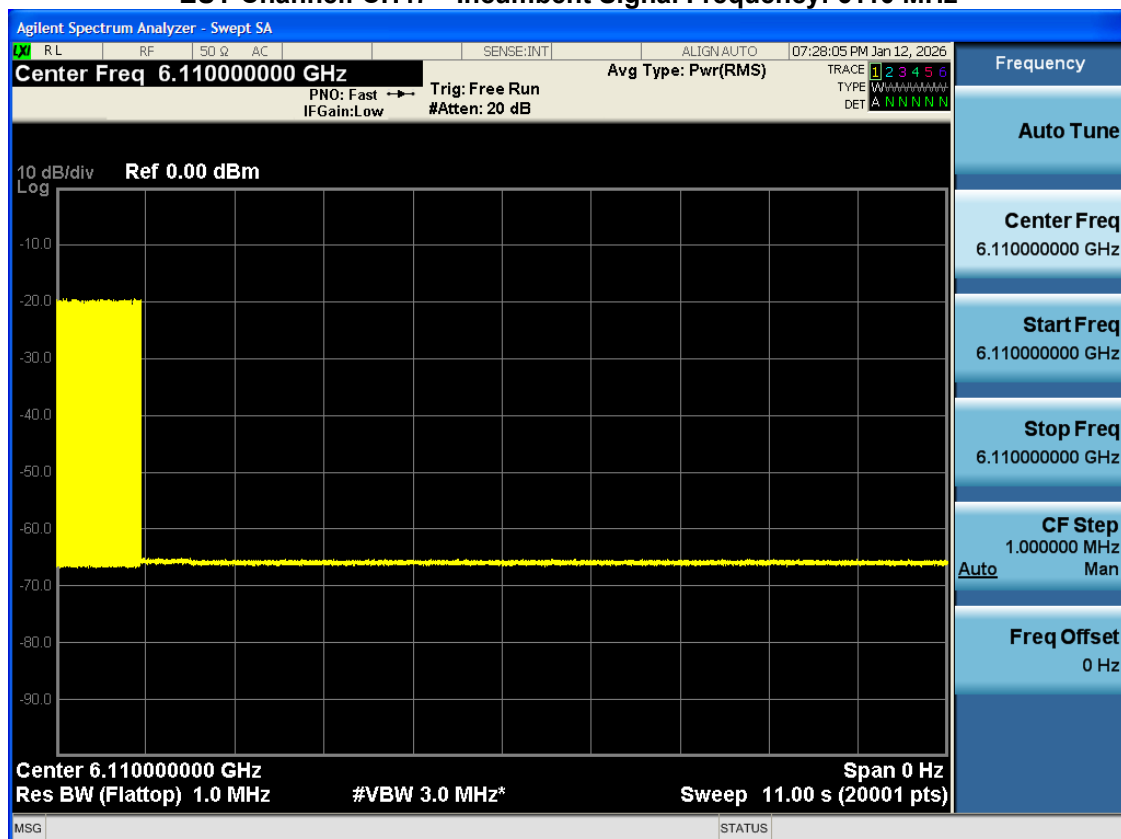
Note: The device did not use either channel puncturing or bandwidth reduction for the purpose of incumbent avoidance.

Contention-Based Protocol

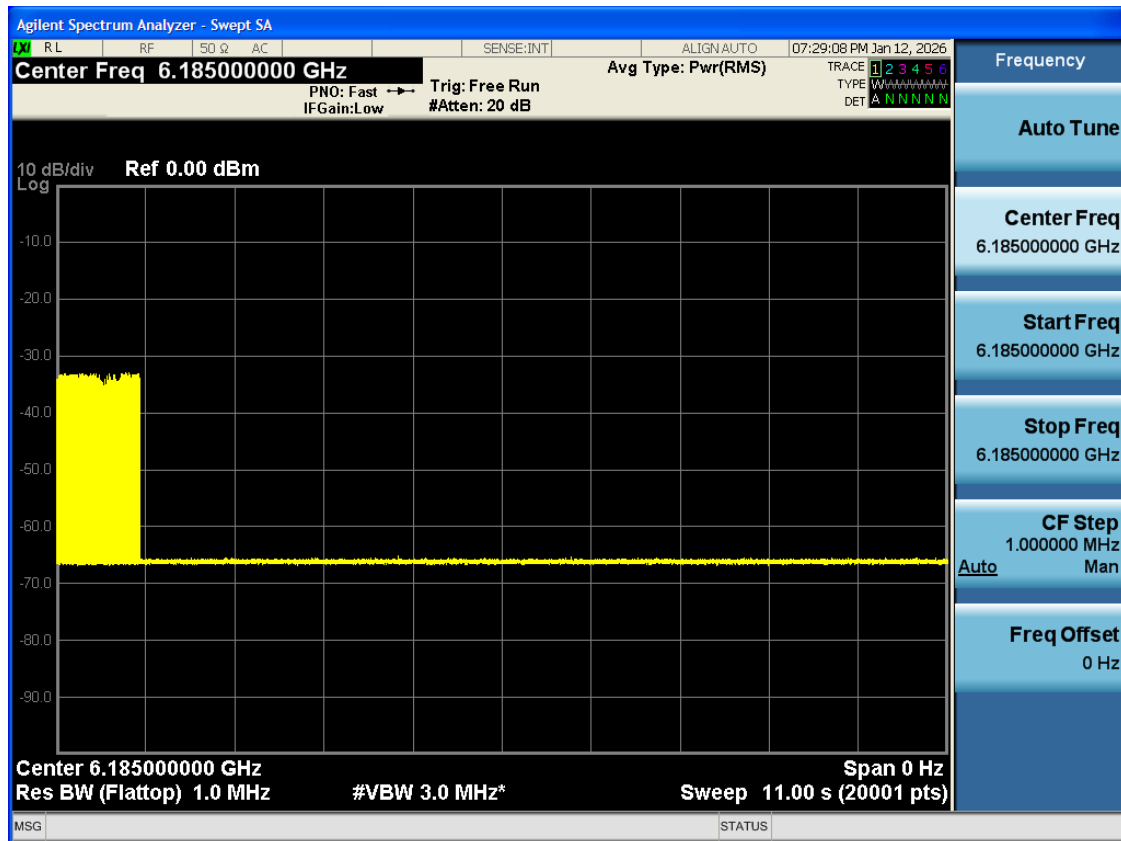
EUT Channel: CH33 Incumbent Signal Frequency: 6115 MHz



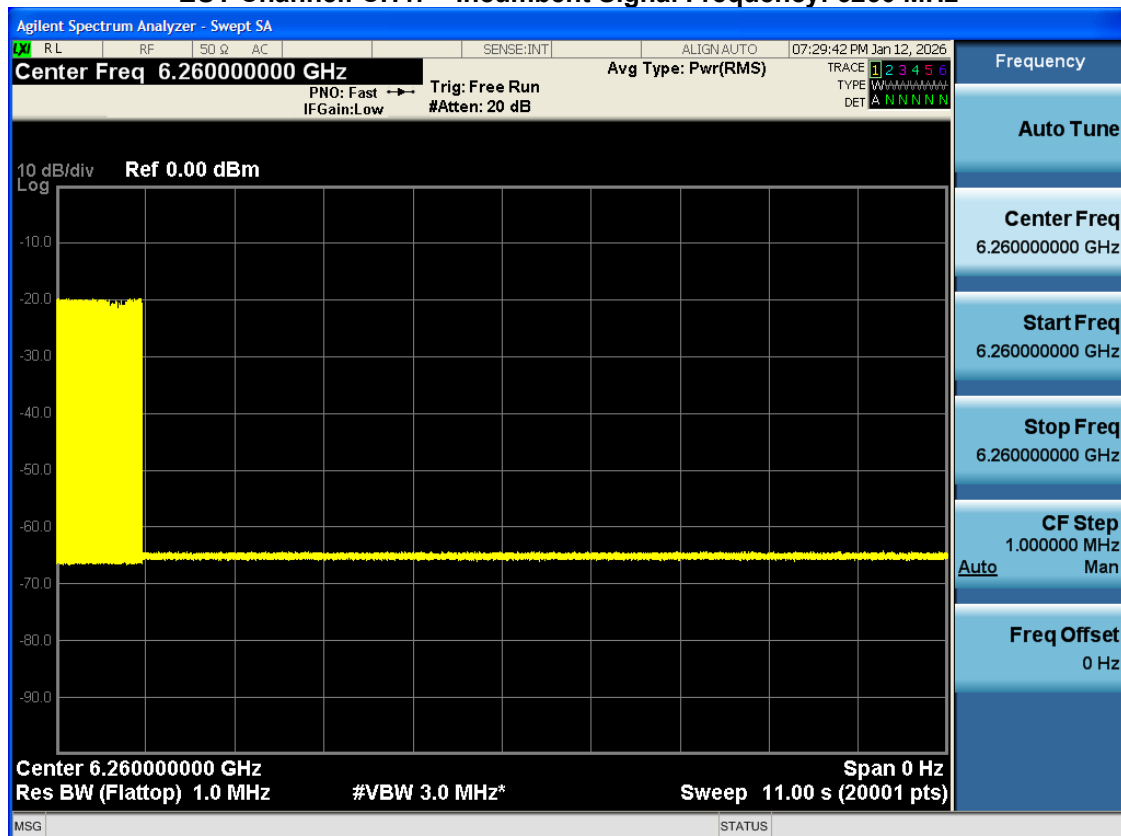
EUT Channel: CH47 Incumbent Signal Frequency: 6110 MHz



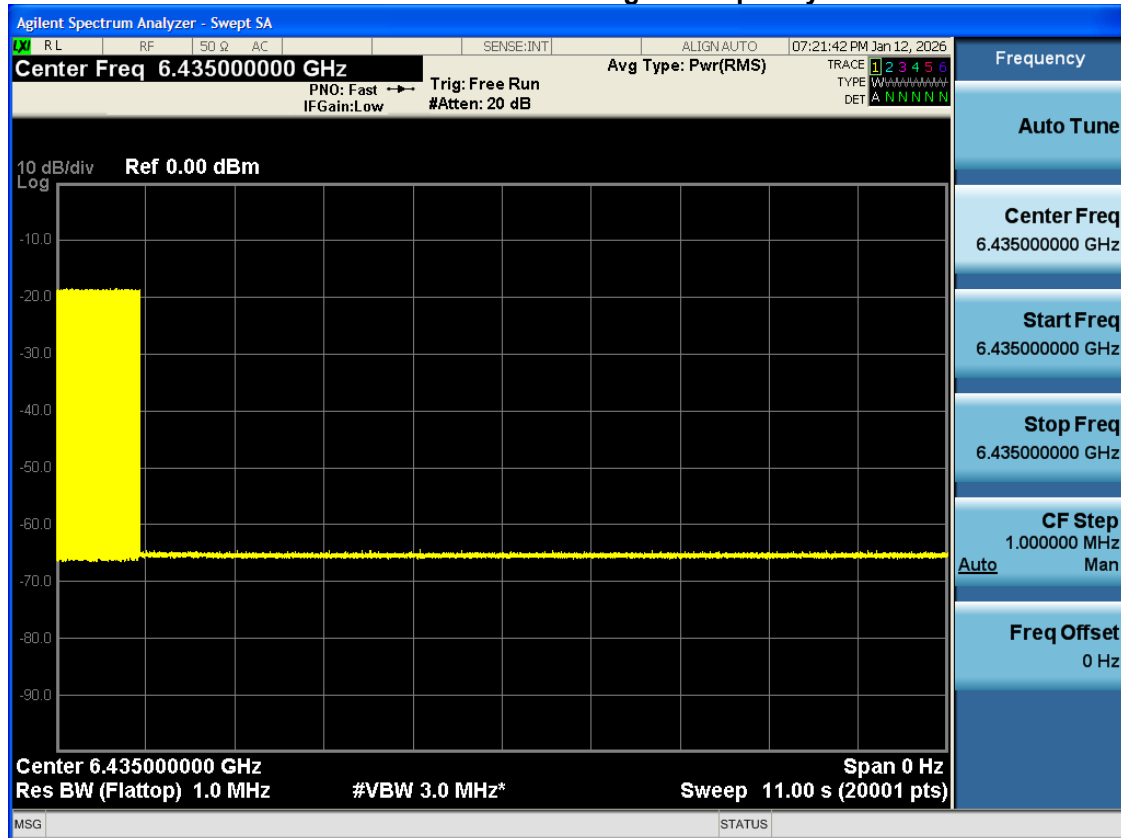
EUT Channel: CH47 Incumbent Signal Frequency: 6185 MHz



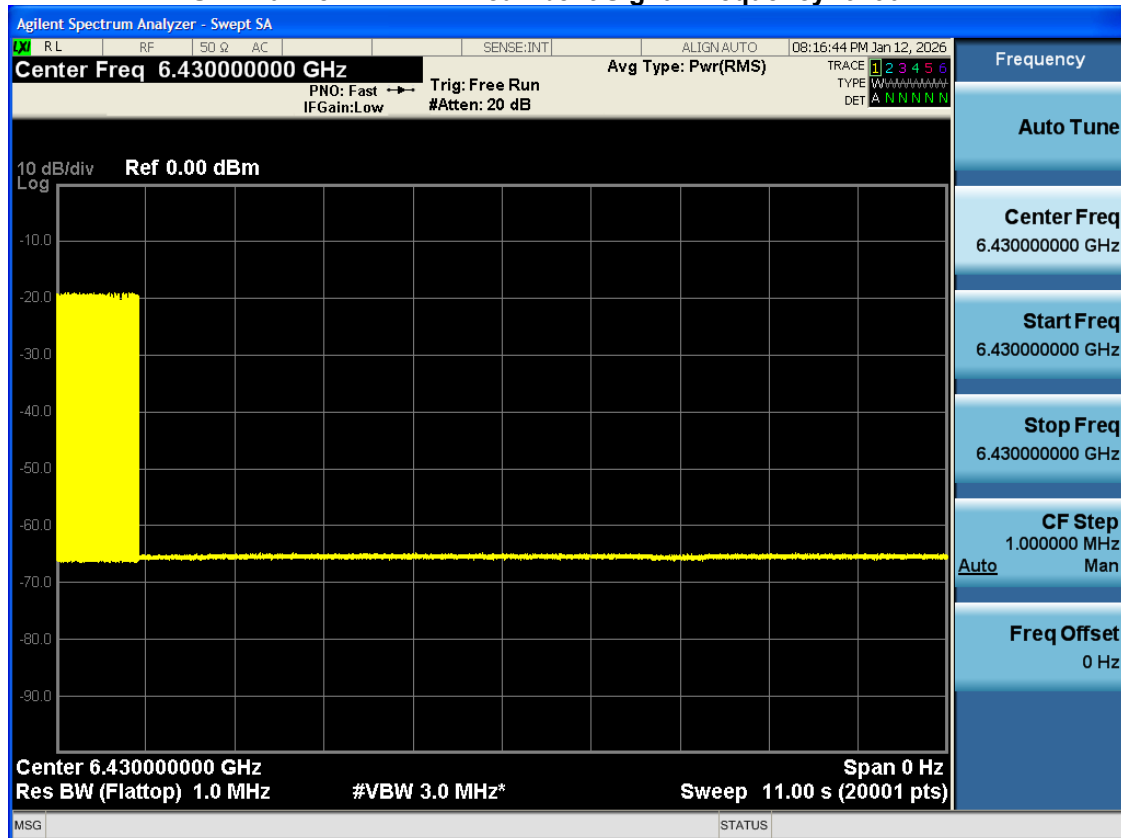
EUT Channel: CH47 Incumbent Signal Frequency: 6260 MHz



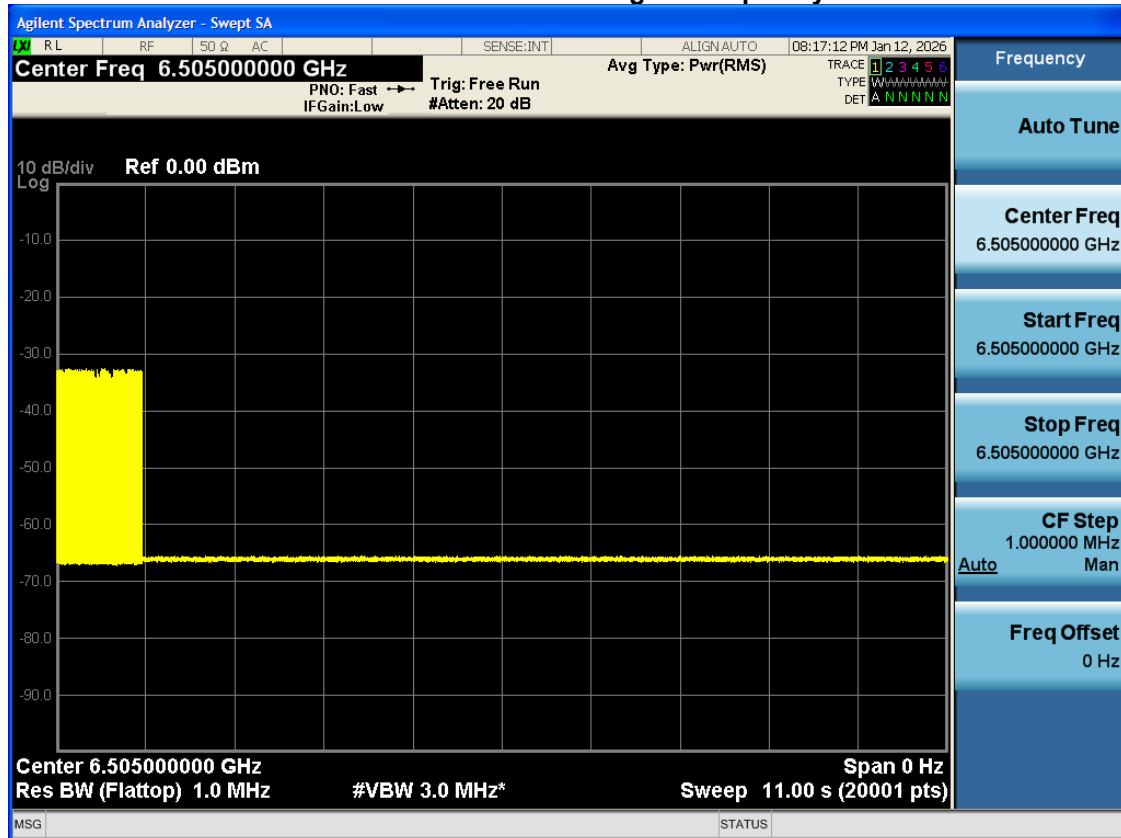
EUT Channel: CH97 Incumbent Signal Frequency: 6435 MHz



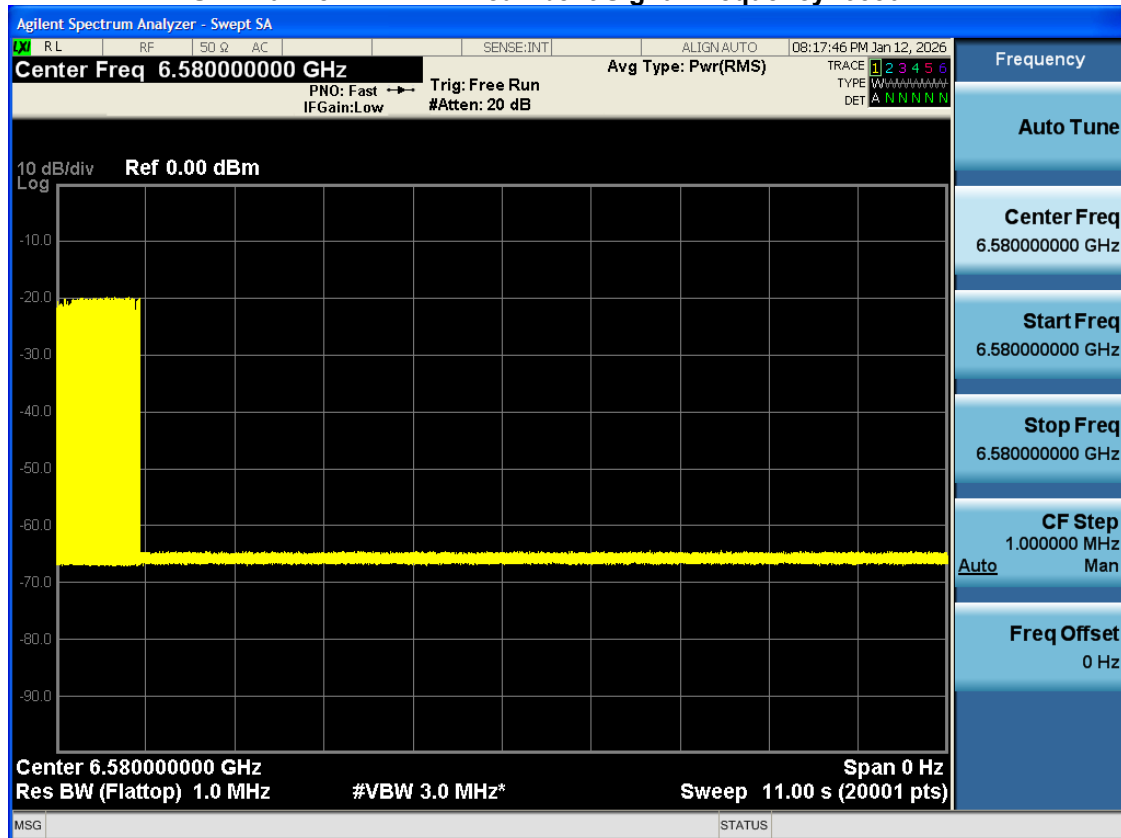
EUT Channel: CH111 Incumbent Signal Frequency: 6430 MHz



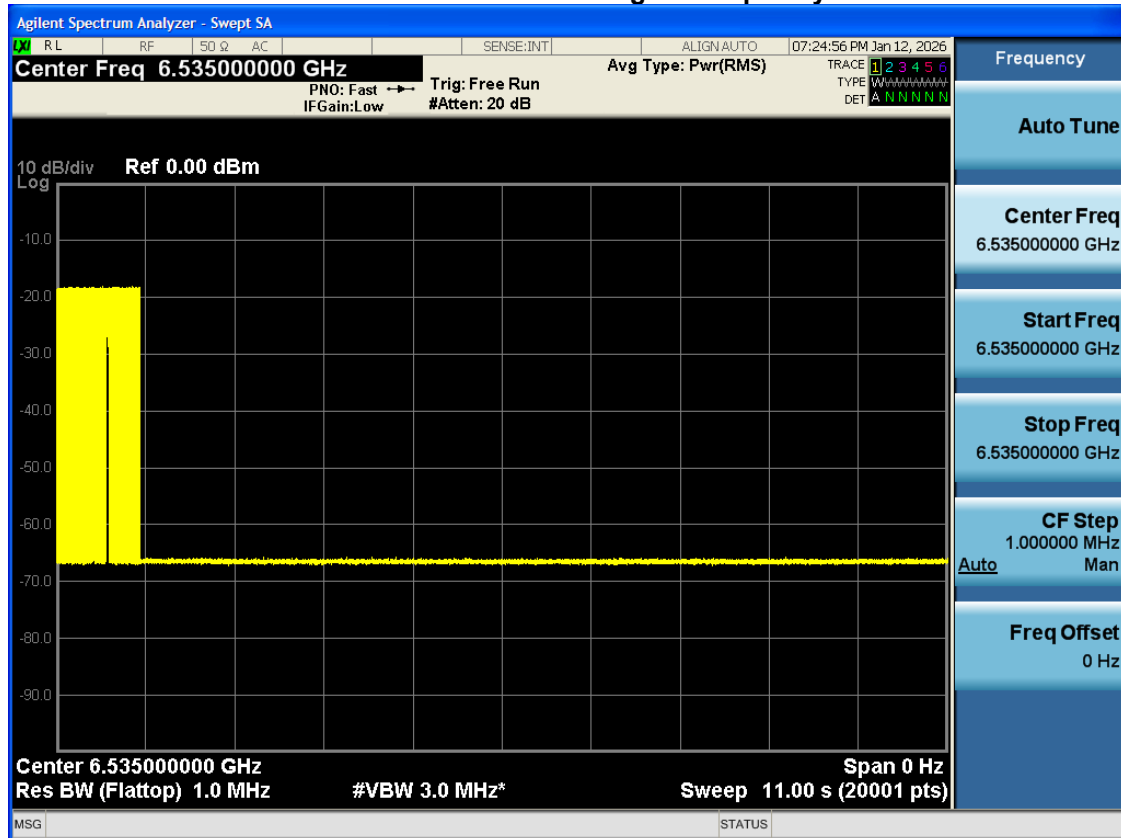
EUT Channel: CH111 Incumbent Signal Frequency: 6505 MHz



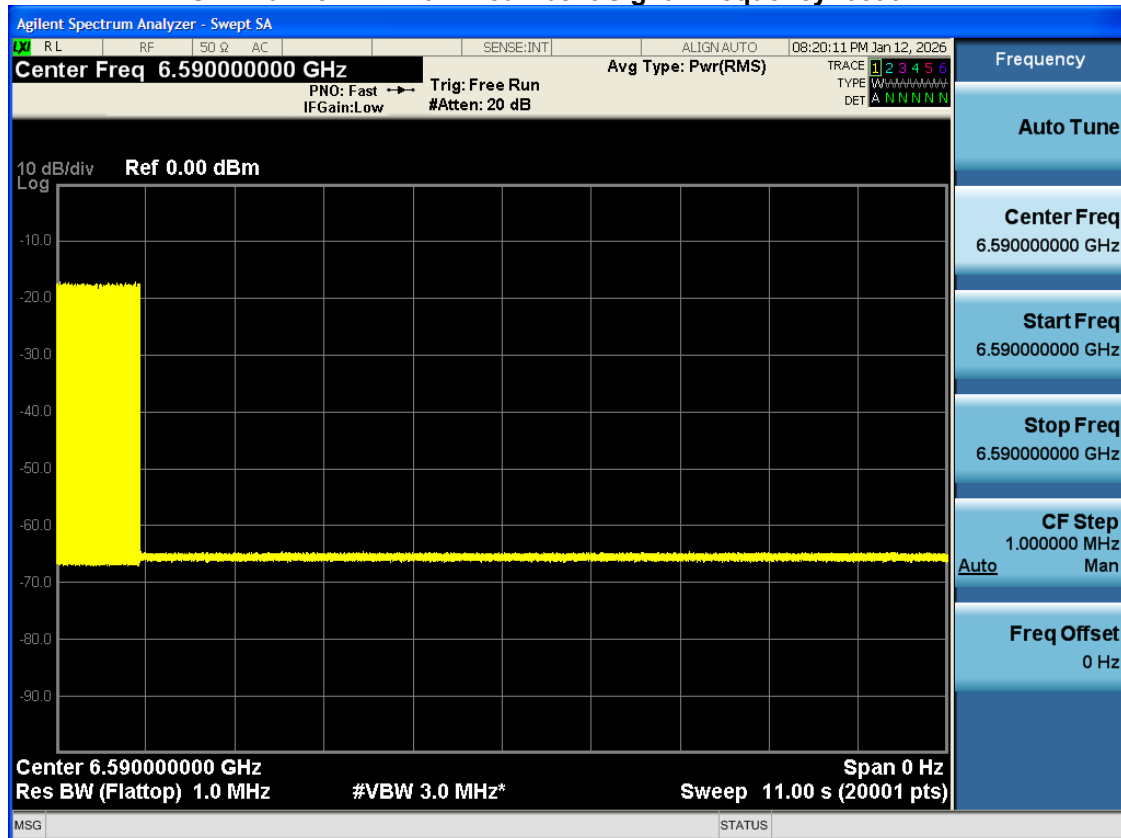
EUT Channel: CH111 Incumbent Signal Frequency: 6580 MHz



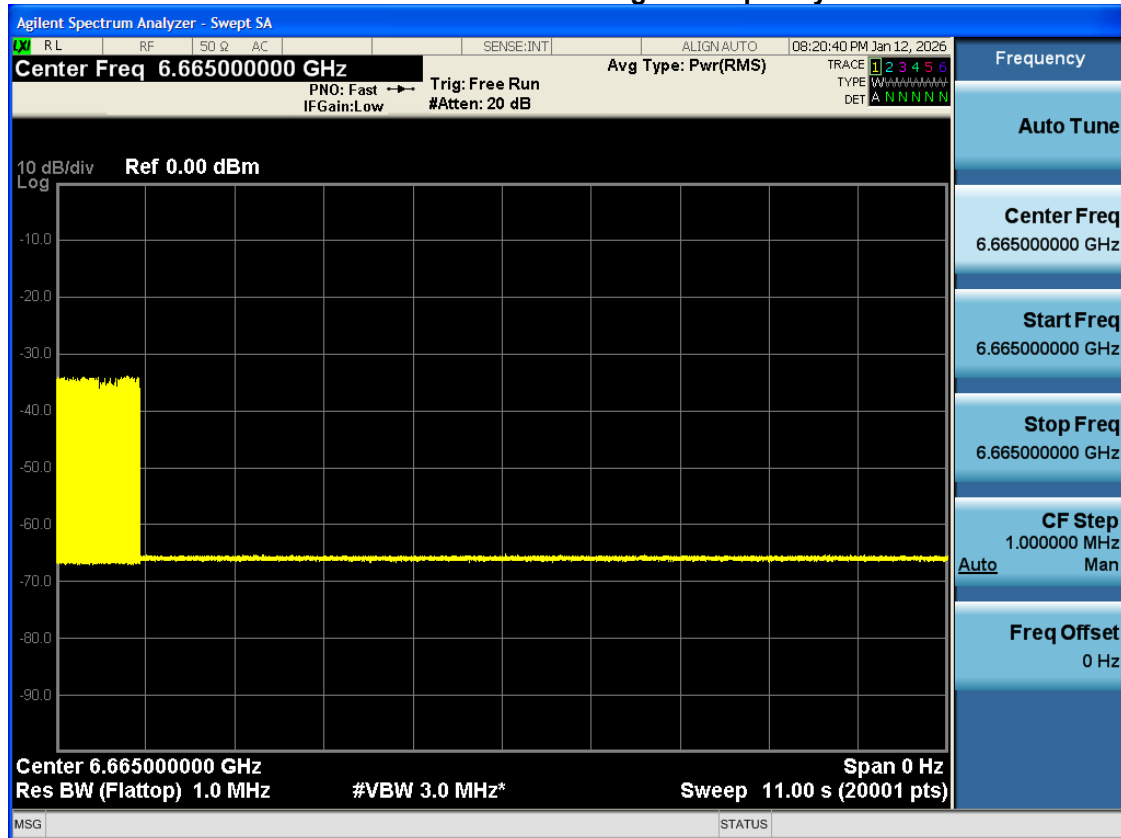
EUT Channel: CH117 Incumbent Signal Frequency: 6535 MHz



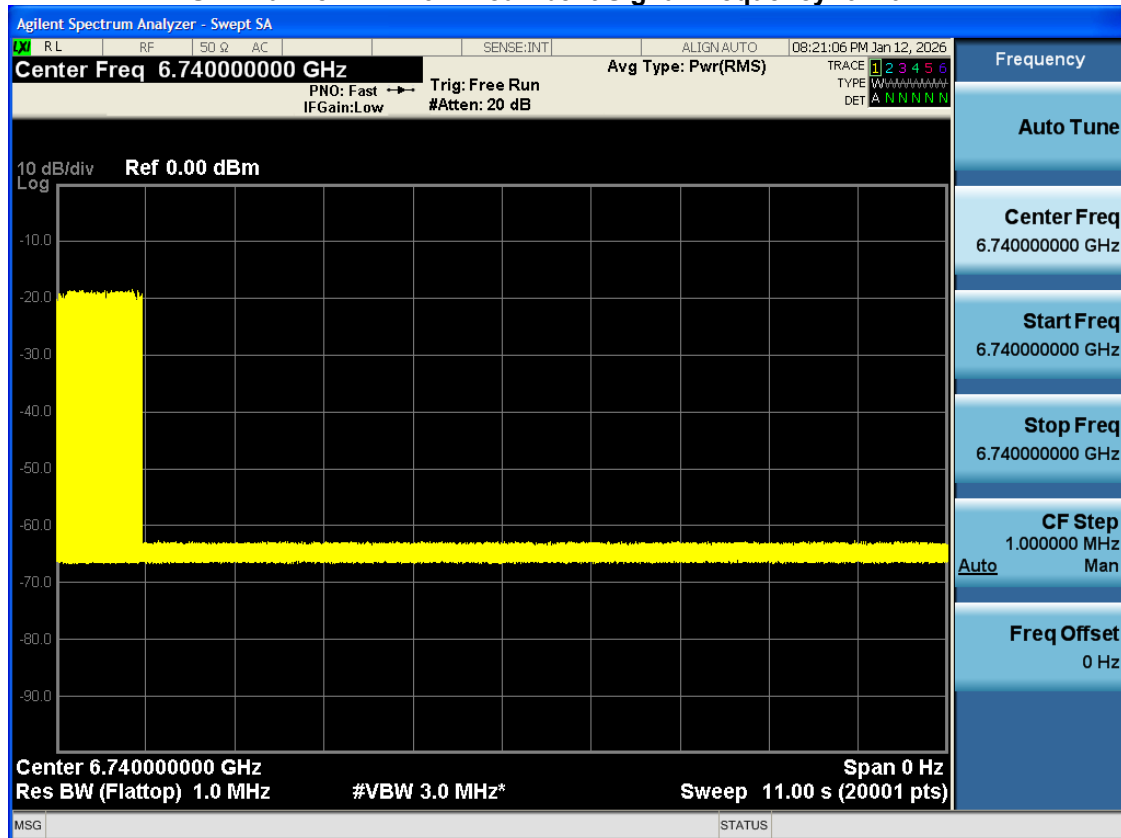
EUT Channel: CH143 Incumbent Signal Frequency: 6590 MHz



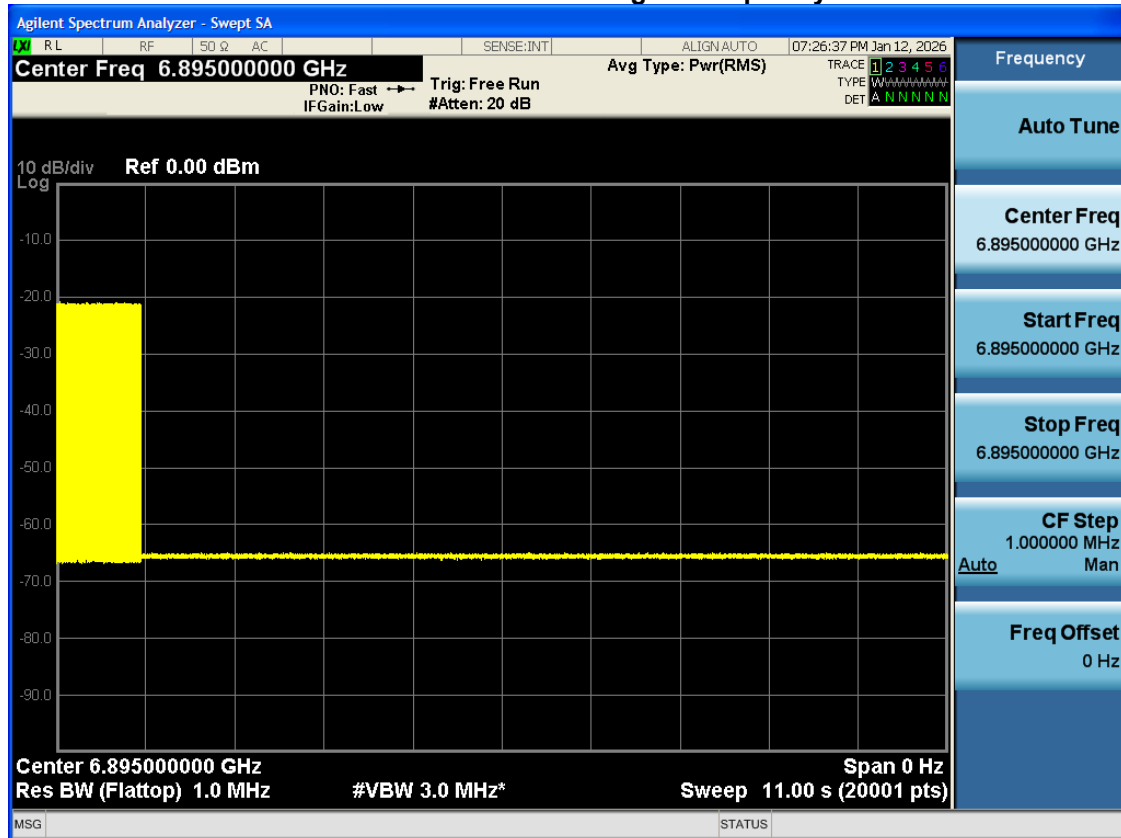
EUT Channel: CH143 Incumbent Signal Frequency: 6665 MHz



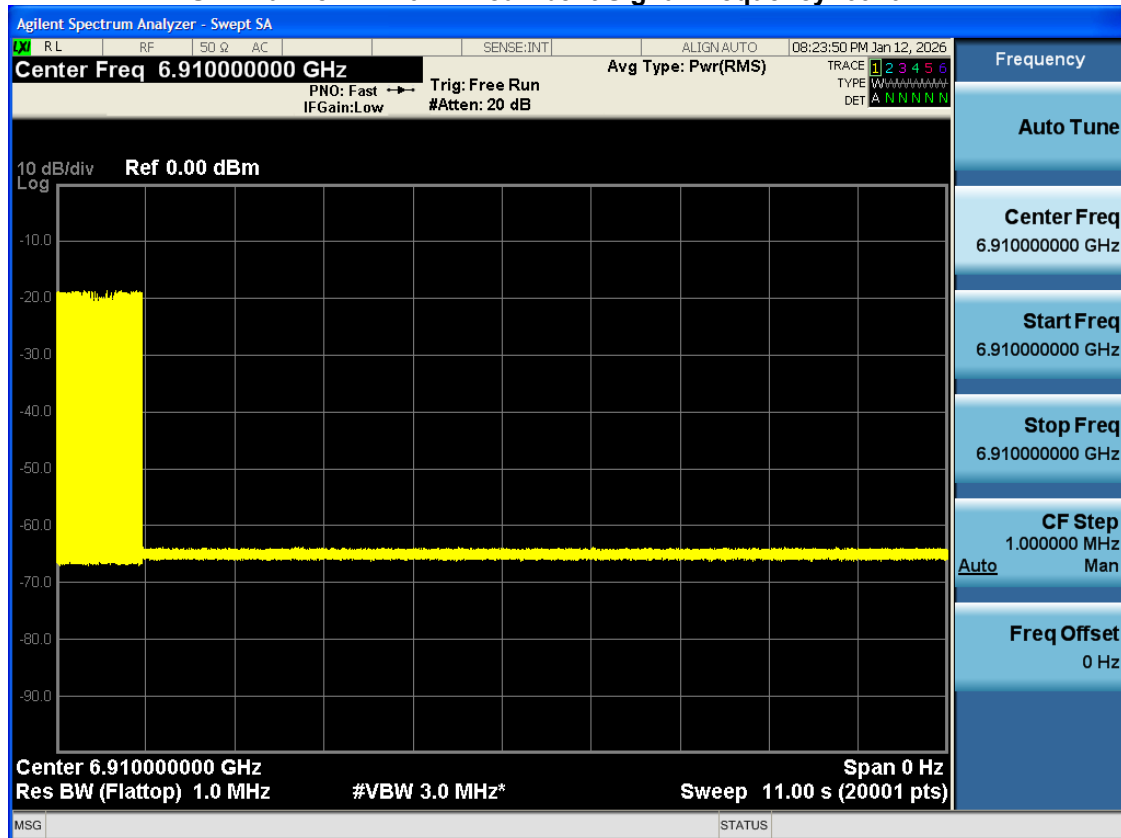
EUT Channel: CH143 Incumbent Signal Frequency: 6740 MHz



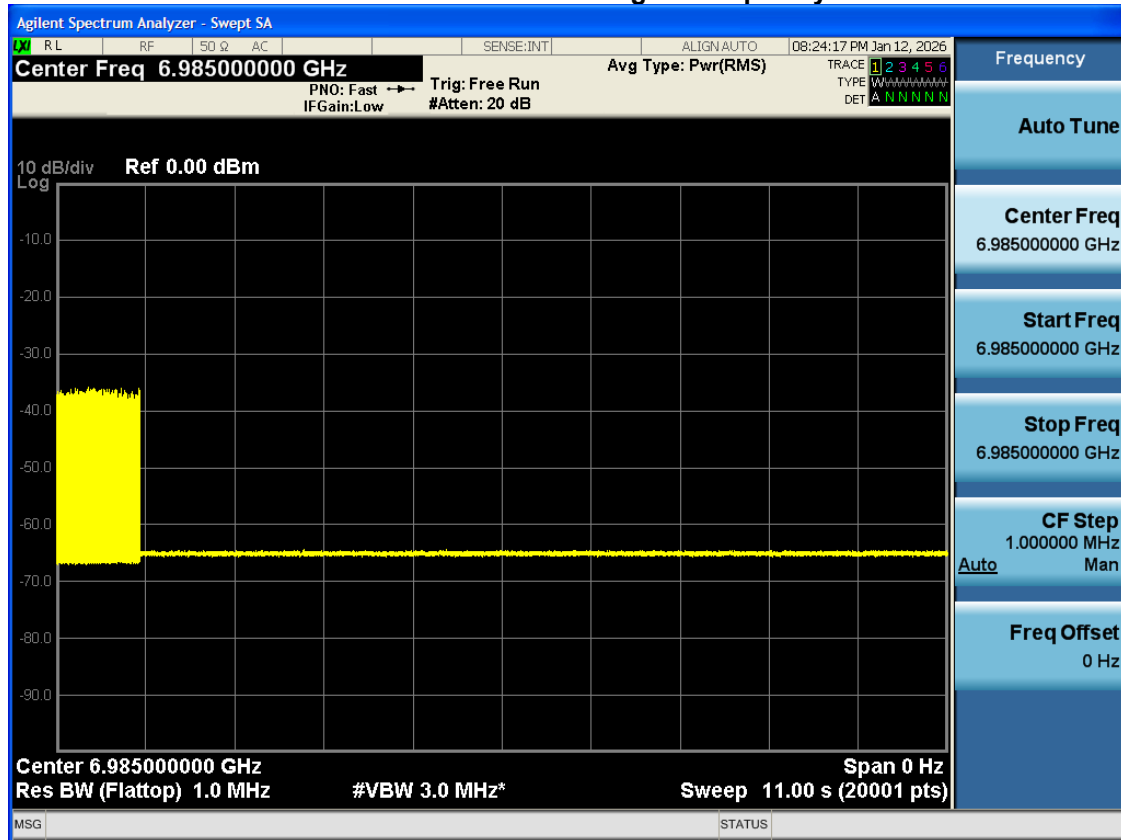
EUT Channel: CH189 Incumbent Signal Frequency: 6895 MHz



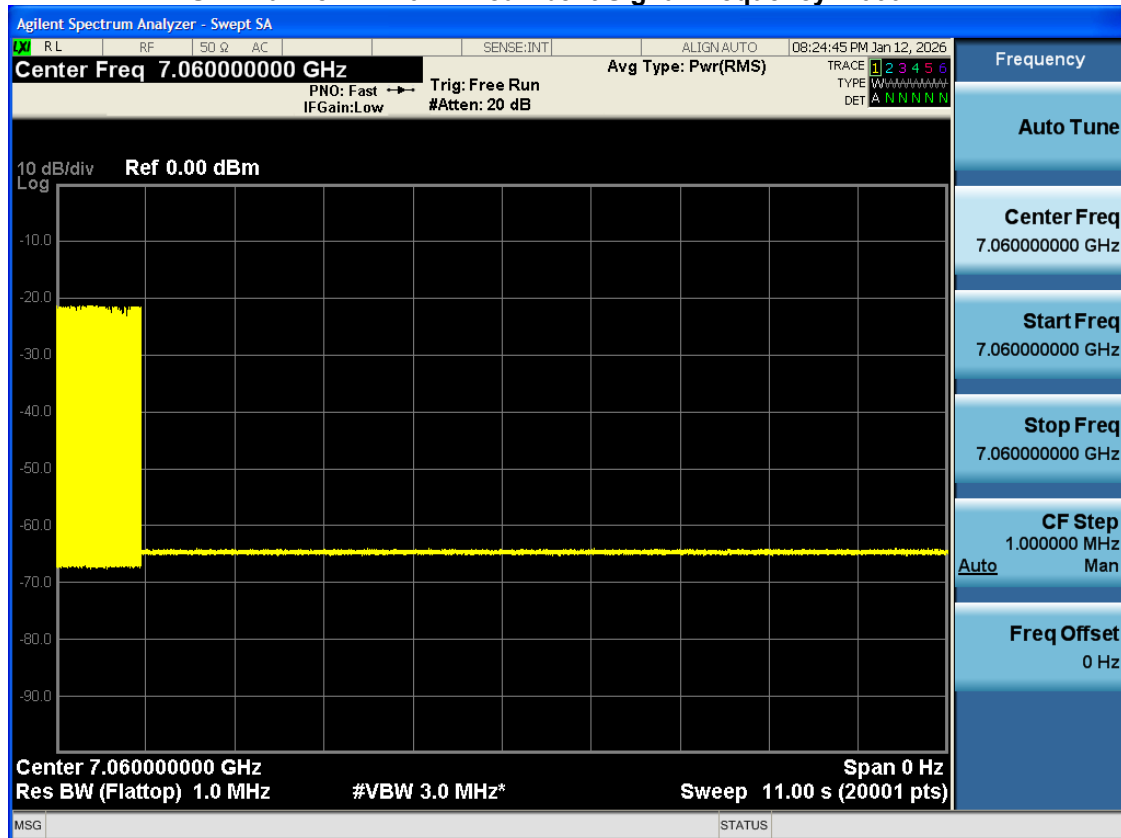
EUT Channel: CH207 Incumbent Signal Frequency: 6910 MHz



EUT Channel: CH207 Incumbent Signal Frequency: 6985 MHz



EUT Channel: CH207 Incumbent Signal Frequency: 7060 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
102.0	5954.9828
120.0	5954.9920
138.0	5954.9842
Maximum Deviation (MHz)	-0.0172
Maximum Deviation (ppm)	-2.89

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	5955.0000
-10	5954.9716
0	5954.9714
10	5954.9620
20	5954.9752
30	5954.9720
40	5954.9662
50	5954.9574
Maximum Deviation (MHz)	-0.0426
Maximum Deviation (ppm)	-7.15

Test Mode	UNII-6
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Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	6435.0000
102.0	6434.9548
120.0	6434.9568
138.0	6434.9550
Maximum Deviation (MHz)	-0.0452
Maximum Deviation (ppm)	-7.02

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	6435.0000
-10	6434.9712
0	6434.9748
10	6434.9788
20	6434.9830
30	6434.9532
40	6434.9540
50	6434.9542
Maximum Deviation (MHz)	-0.0468
Maximum Deviation (ppm)	-7.27

Test Mode	UNII-7
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Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	6535.0000
102.0	6534.9532
120.0	6534.9566
138.0	6534.9534
Maximum Deviation (MHz)	-0.0468
Maximum Deviation (ppm)	-7.16

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	6535.0000
-10	6535.0004
0	6535.0028
10	6534.9866
20	6534.9936
30	6534.9526
40	6534.9526
50	6534.9526
Maximum Deviation (MHz)	-0.0474
Maximum Deviation (ppm)	-7.25

Test Mode	UNII-8
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Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	6875.0000
102.0	6874.9670
120.0	6874.9736
138.0	6874.9752
Maximum Deviation (MHz)	-0.0330
Maximum Deviation (ppm)	-4.80

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	6875.0000
-10	6874.9910
0	5875.0044
10	6874.9882
20	6875.0062
30	6874.9710
40	6874.9668
50	6874.9796
Maximum Deviation (MHz)	-0.0332
Maximum Deviation (ppm)	-4.83

End of Test Report