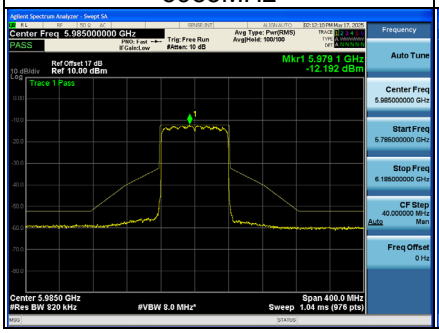
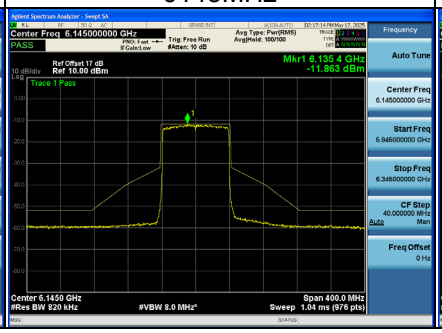
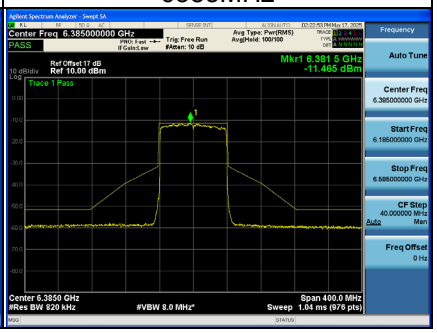
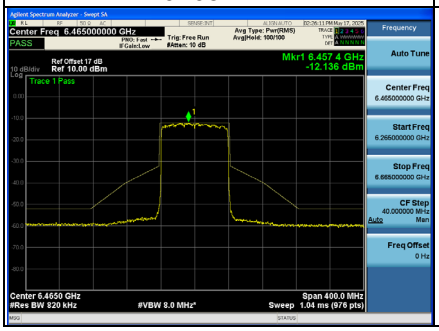
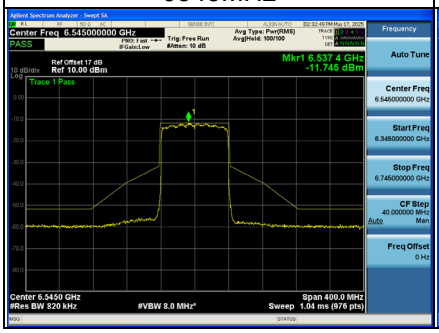
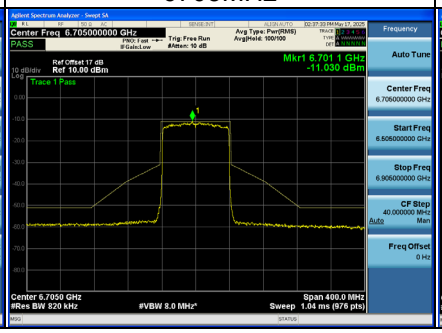
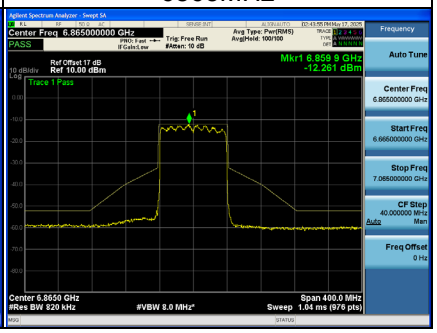
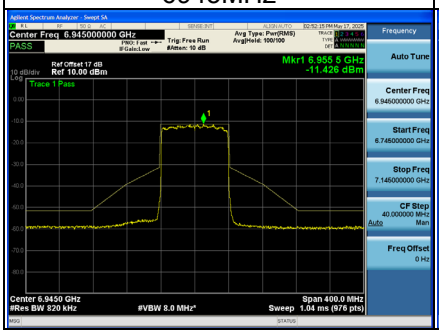
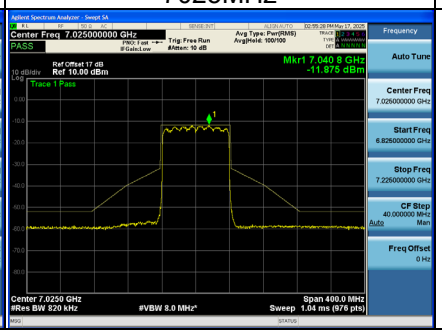
Test Mode	IEEE 802.11ax(HE80)_Ant_2

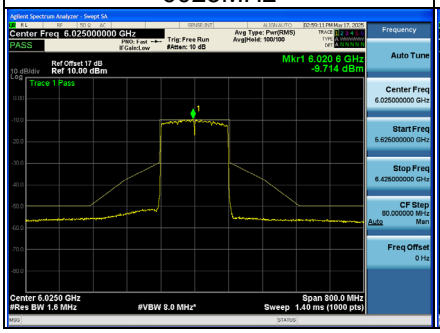
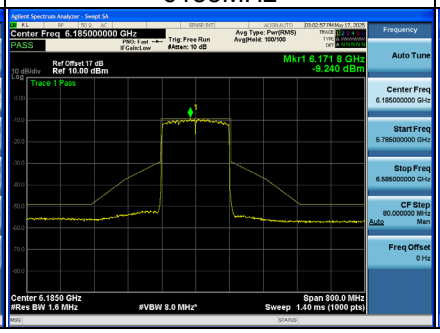
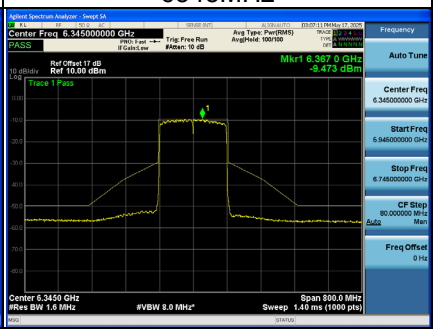
5985MHz	6145MHz	6385MHz
		

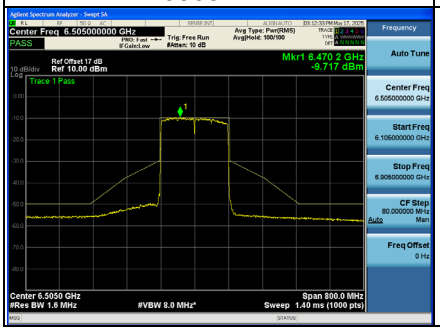
6465MHz	-	-
	-	-

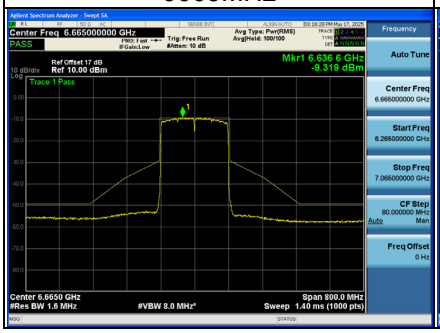
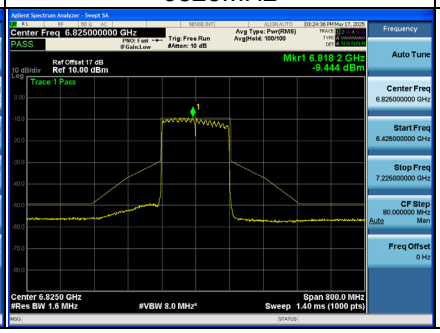
6545MHz	6705MHz	6865MHz
		

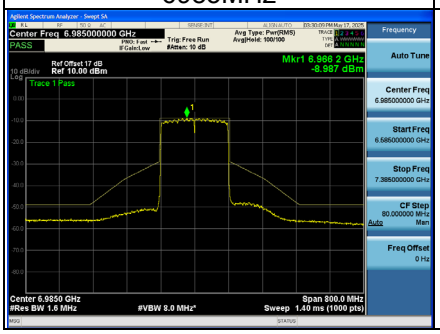
6945MHz	7025MHz	-
		-

Test Mode	IEEE 802.11ax(HE160)_Ant_1

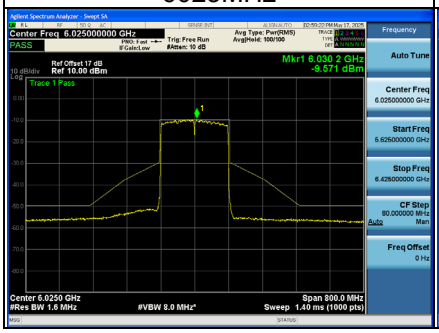
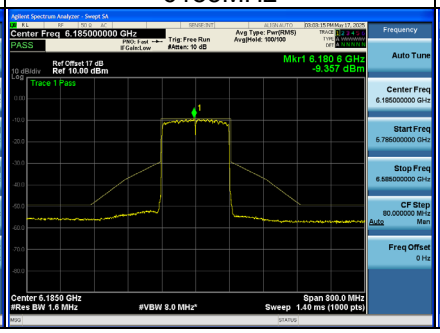
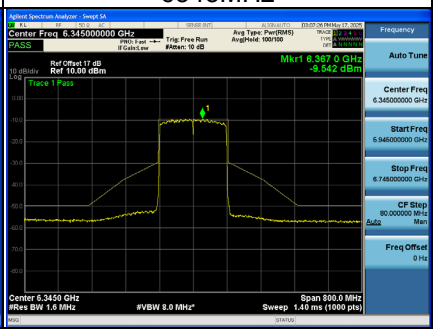
6025MHz	6185MHz	6345MHz
		

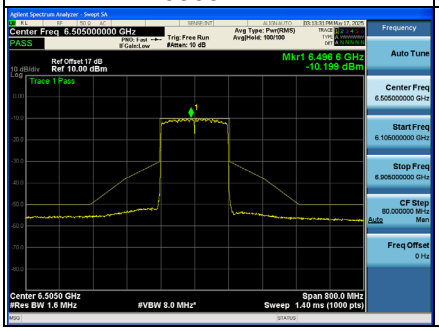
6505MHz	-	-
	-	-

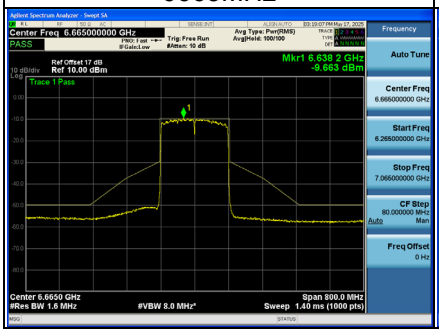
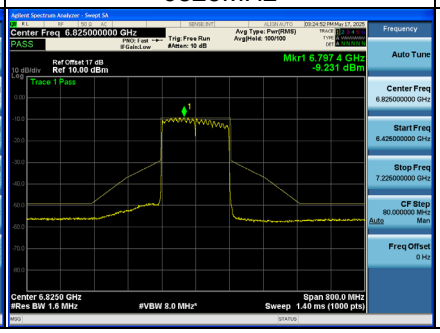
6665MHz	6825MHz	-
		-

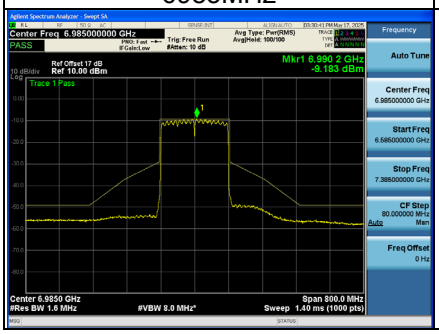
6985MHz	-	-
	-	-

Test Mode	IEEE 802.11ax(HE160)_Ant_2

6025MHz	6185MHz	6345MHz
		

6505MHz	-	-
	-	-

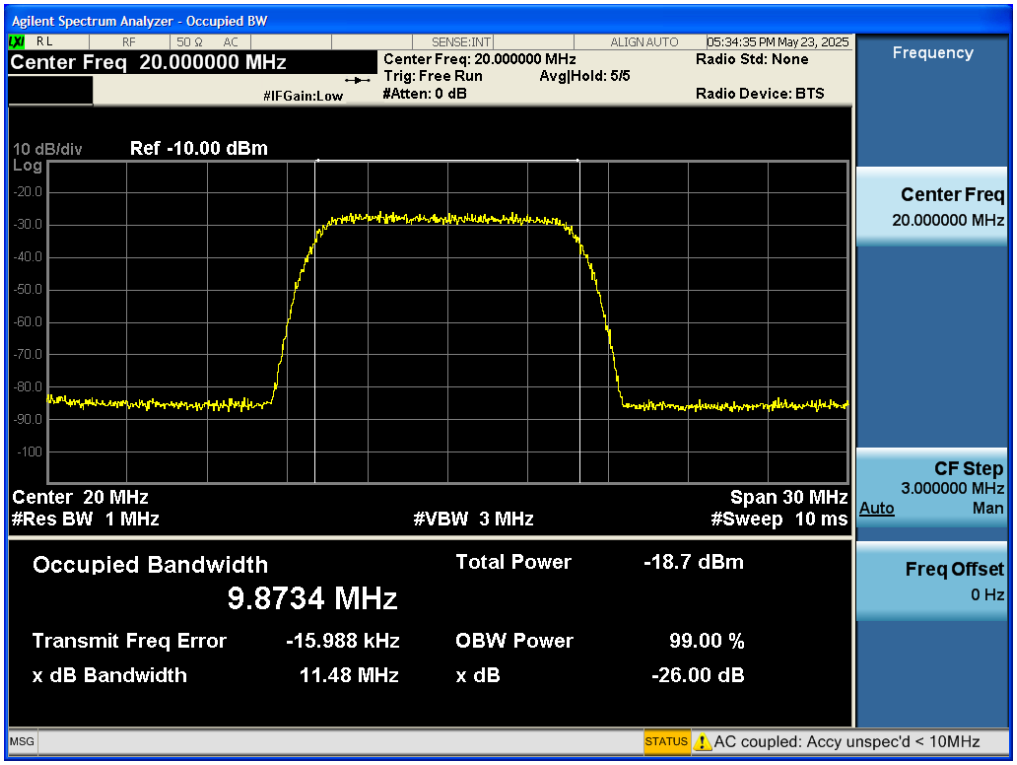
6665MHz	6825MHz	-
		-

6985MHz	-	-
	-	-

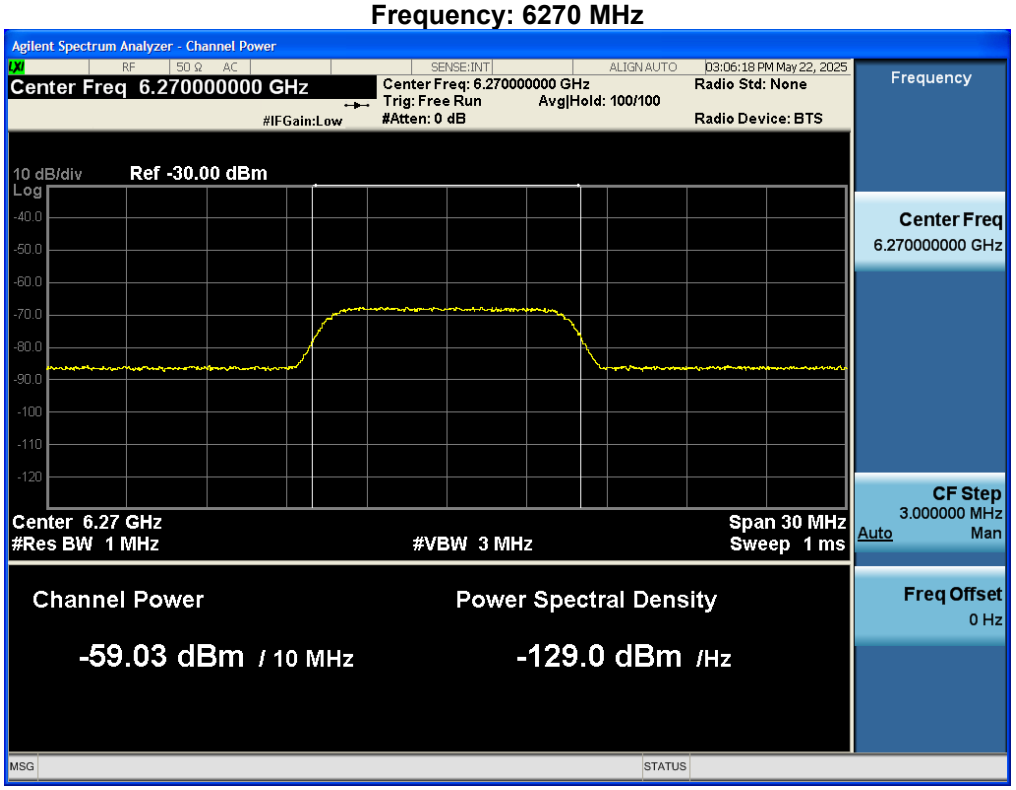
APPENDIX I - CONTENTION BASED PROTOCOL

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

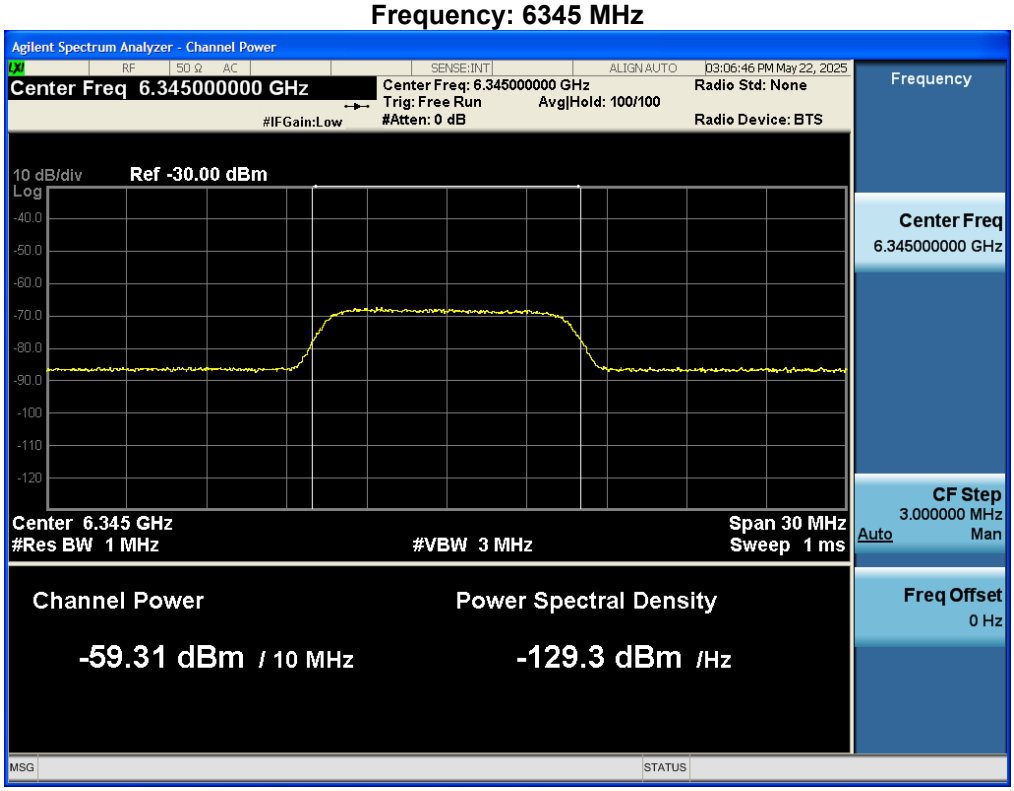
Incumbent Signal (AWGN)



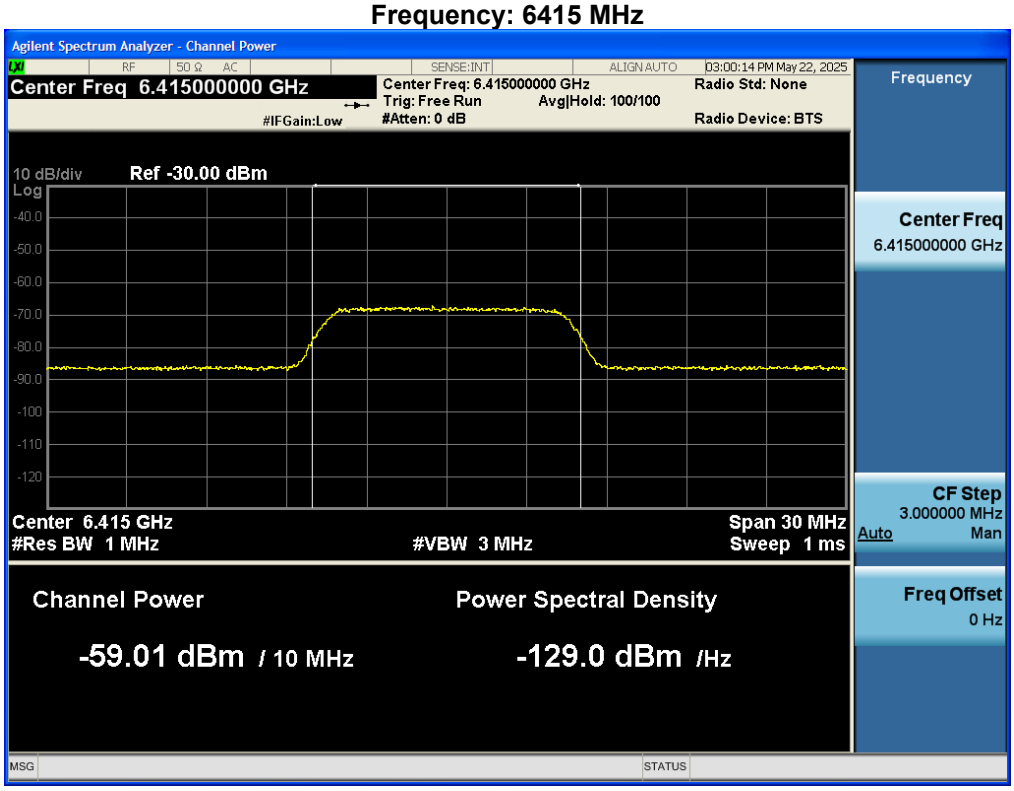
Frequency: 6270 MHz



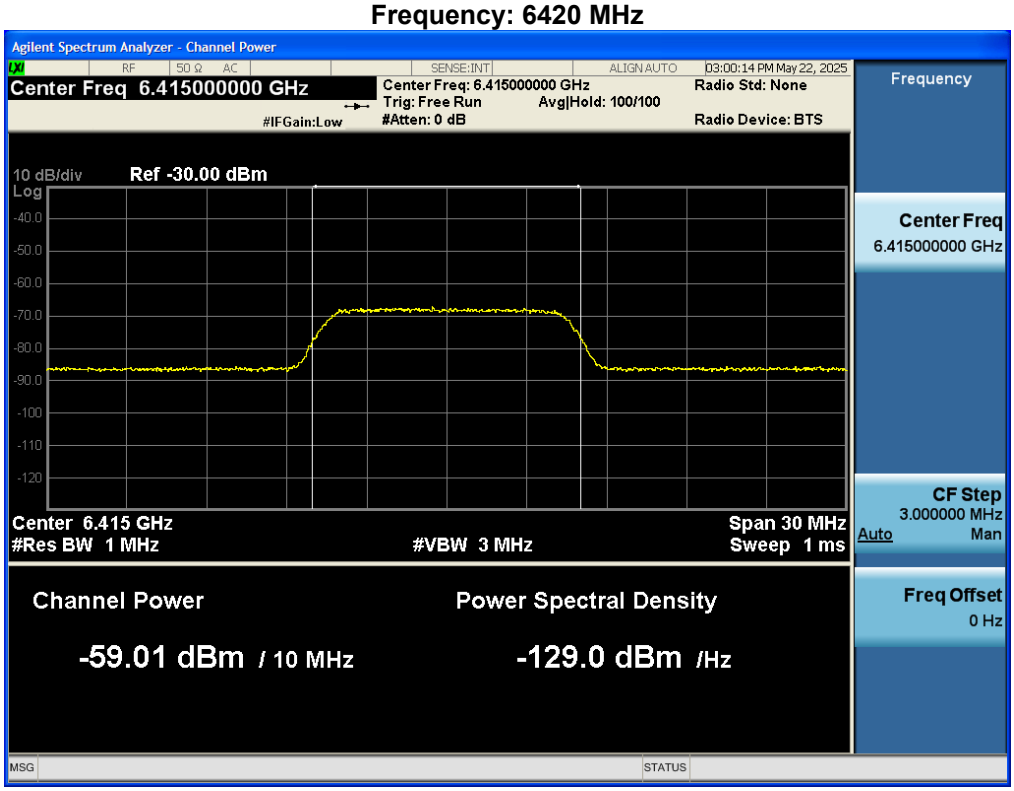
Frequency: 6345 MHz



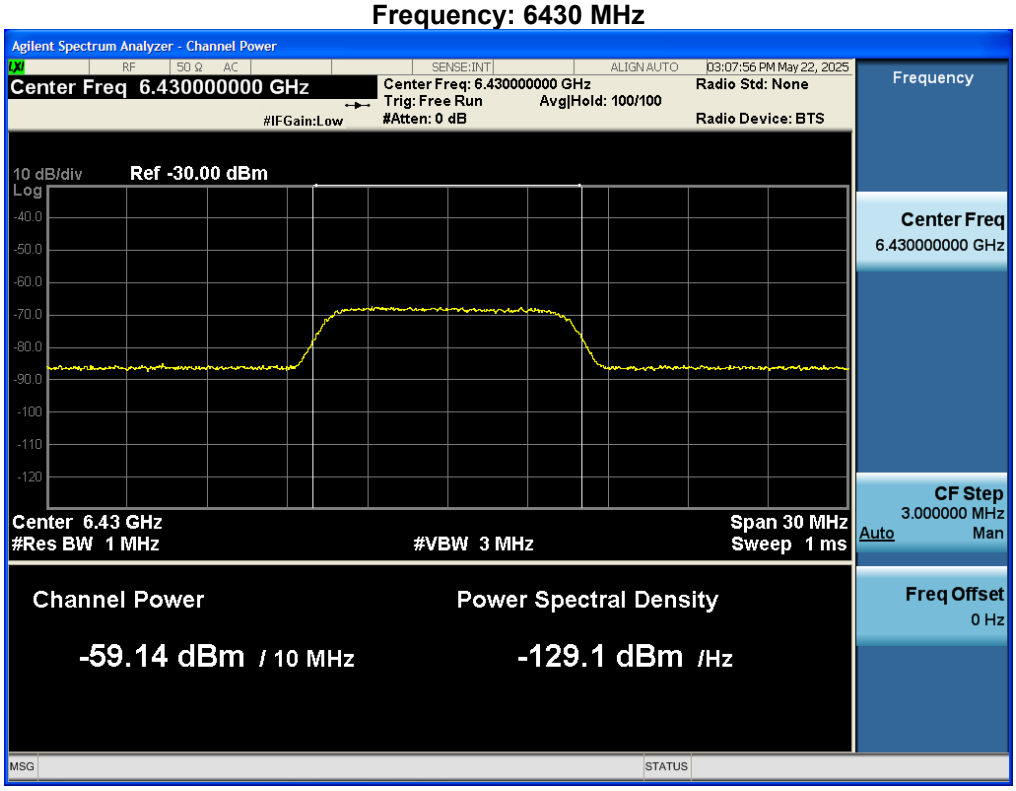
Frequency: 6415 MHz



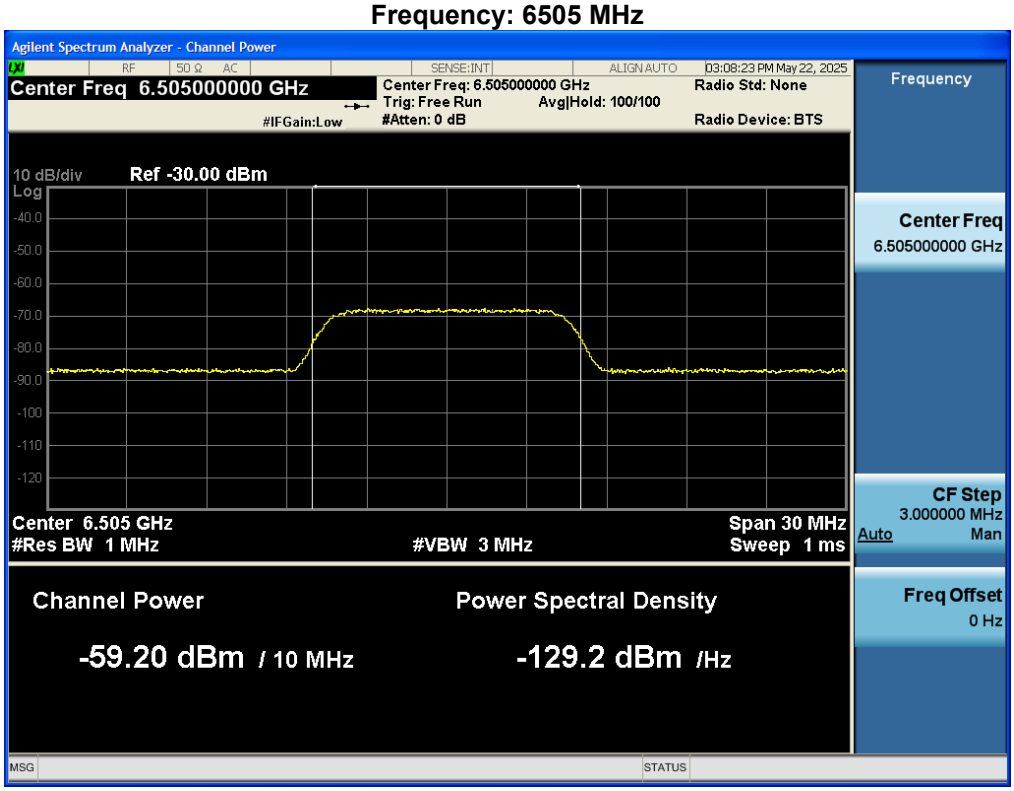
Frequency: 6420 MHz



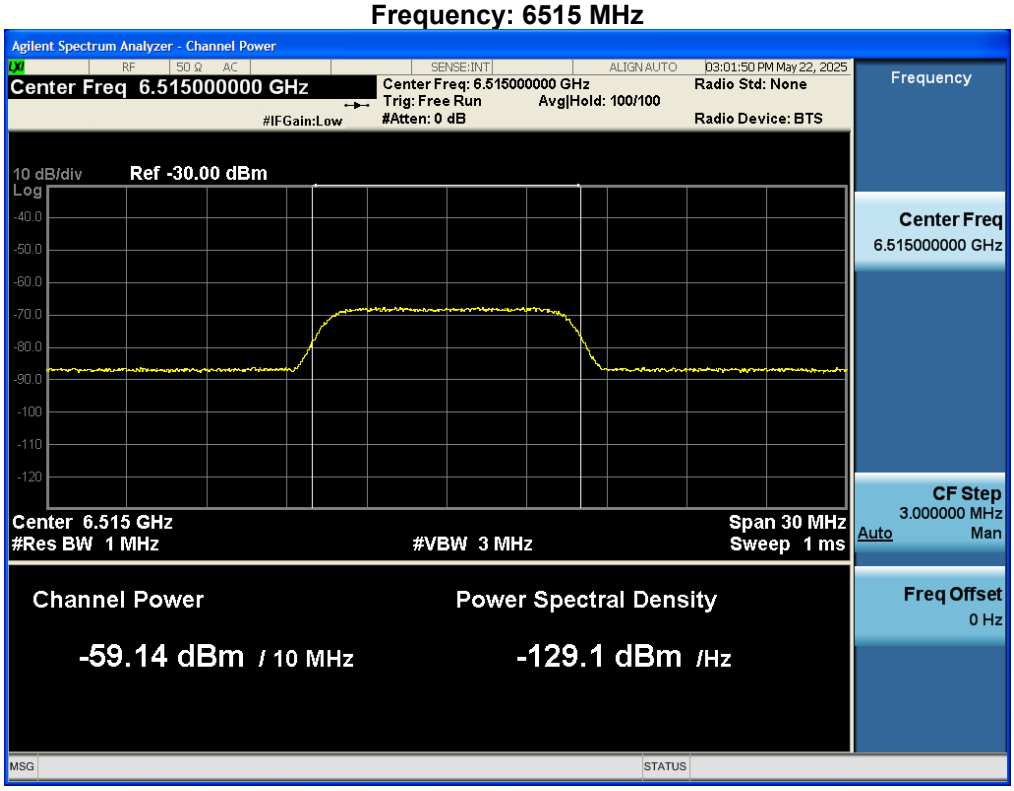
Frequency: 6430 MHz



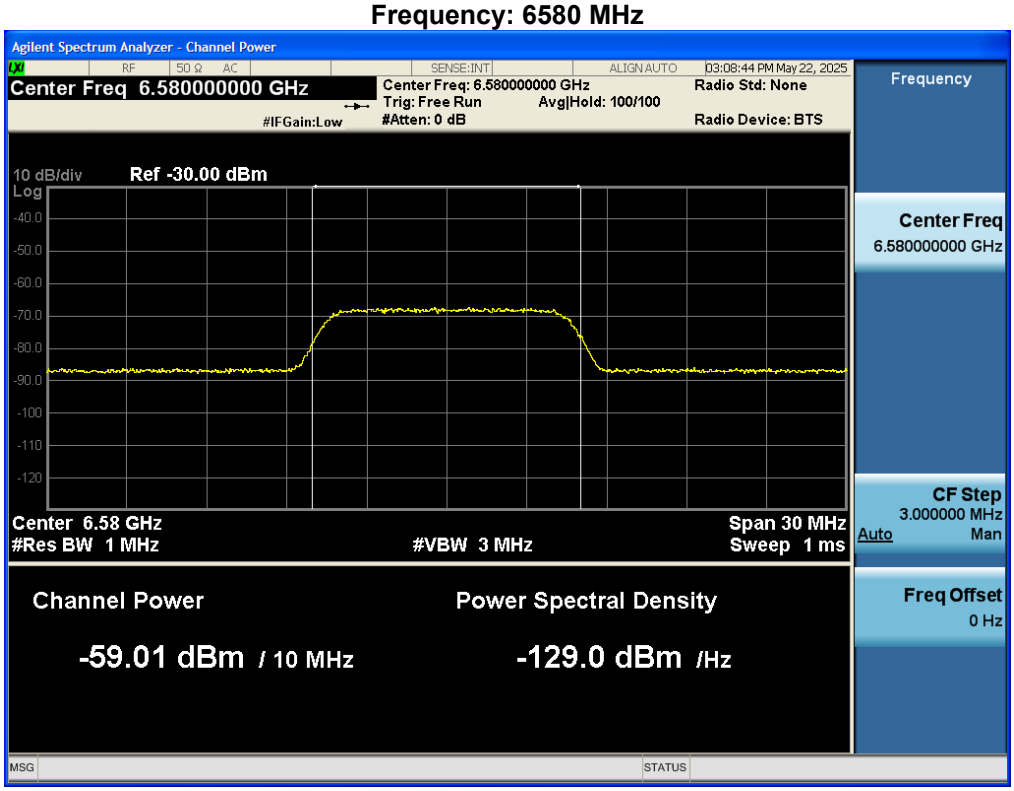
Frequency: 6505 MHz



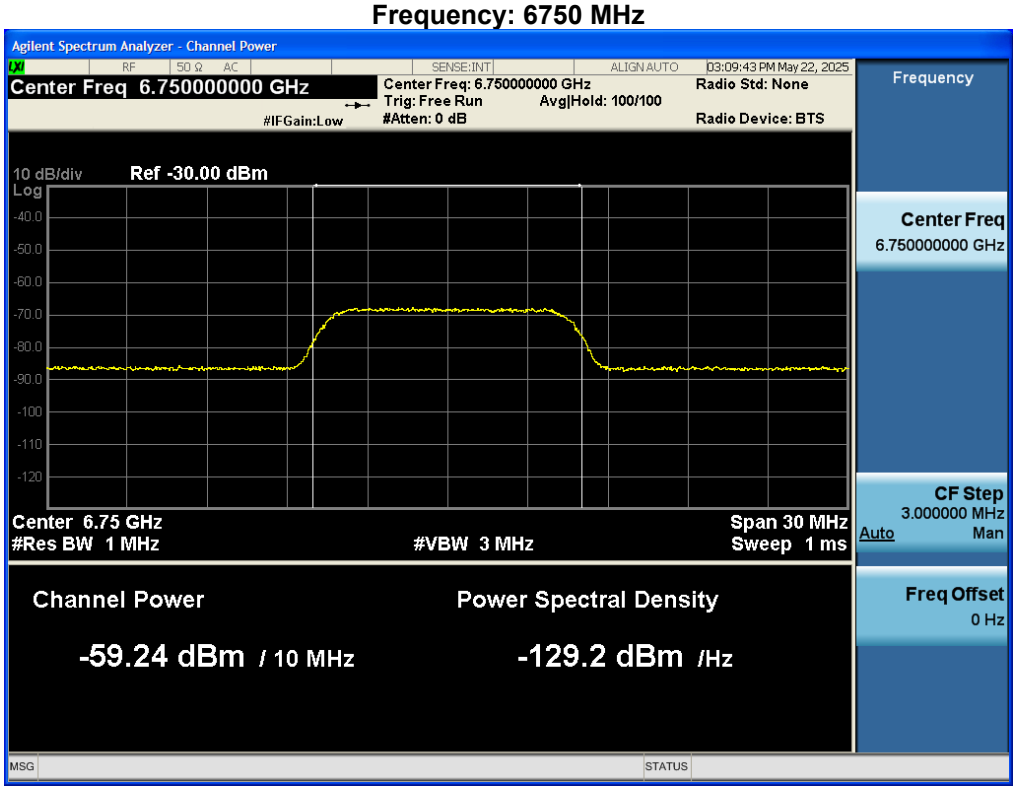
Frequency: 6515 MHz



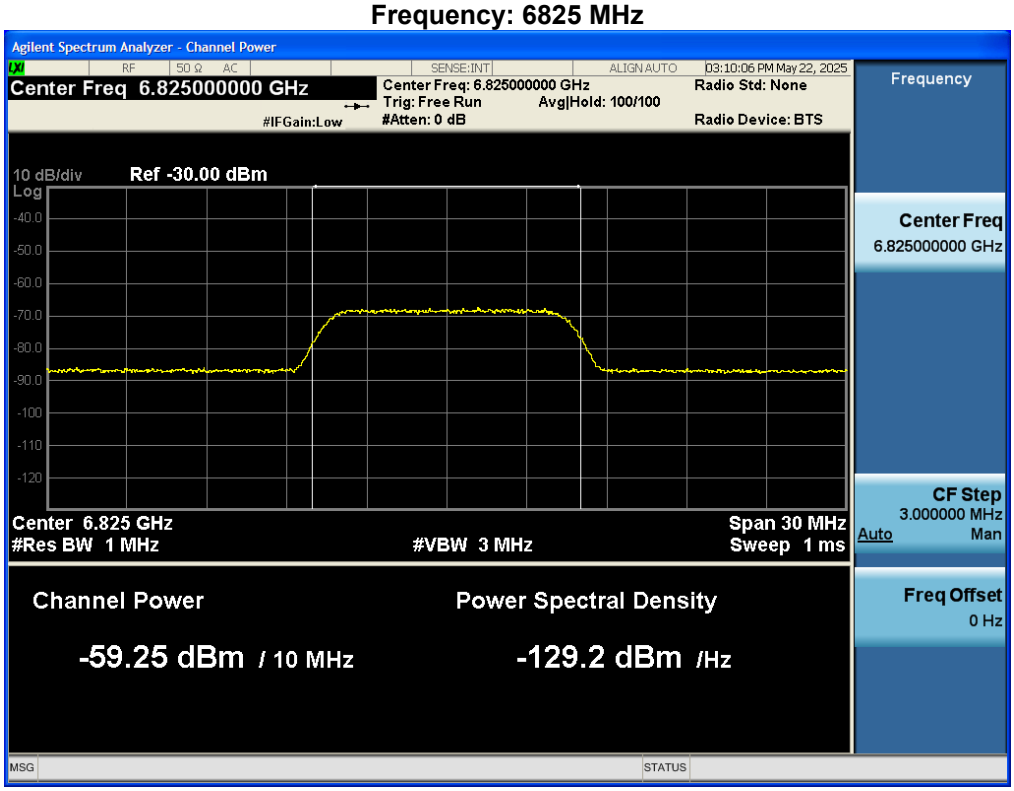
Frequency: 6580 MHz



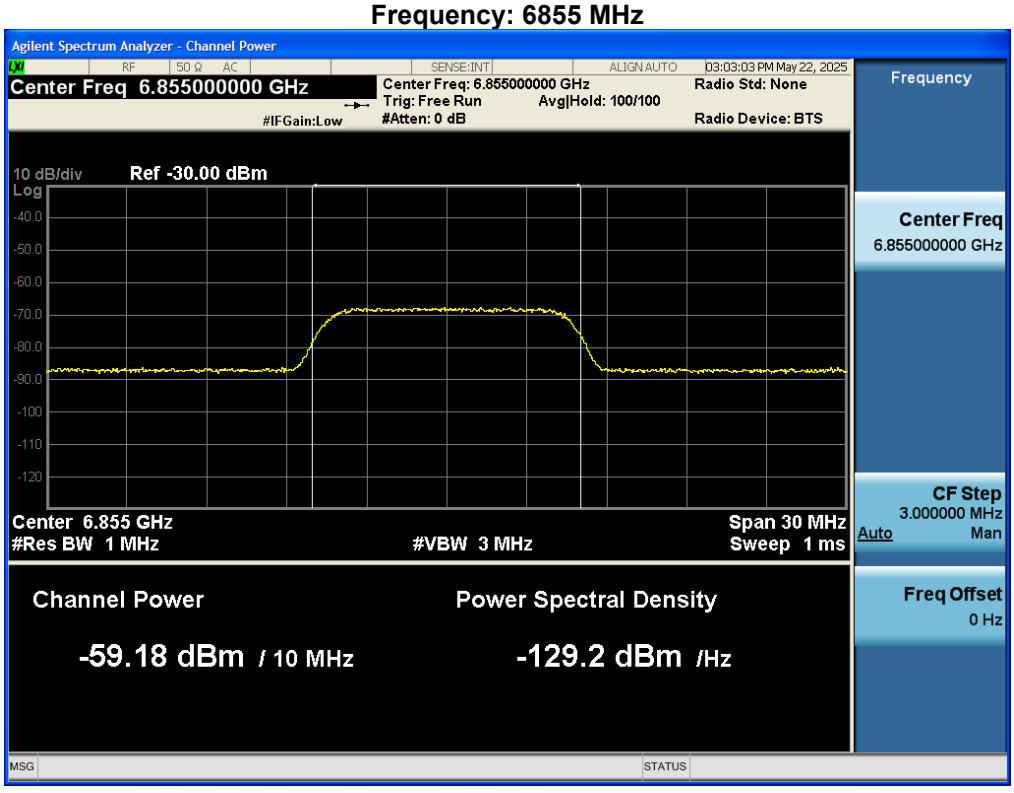
Frequency: 6750 MHz



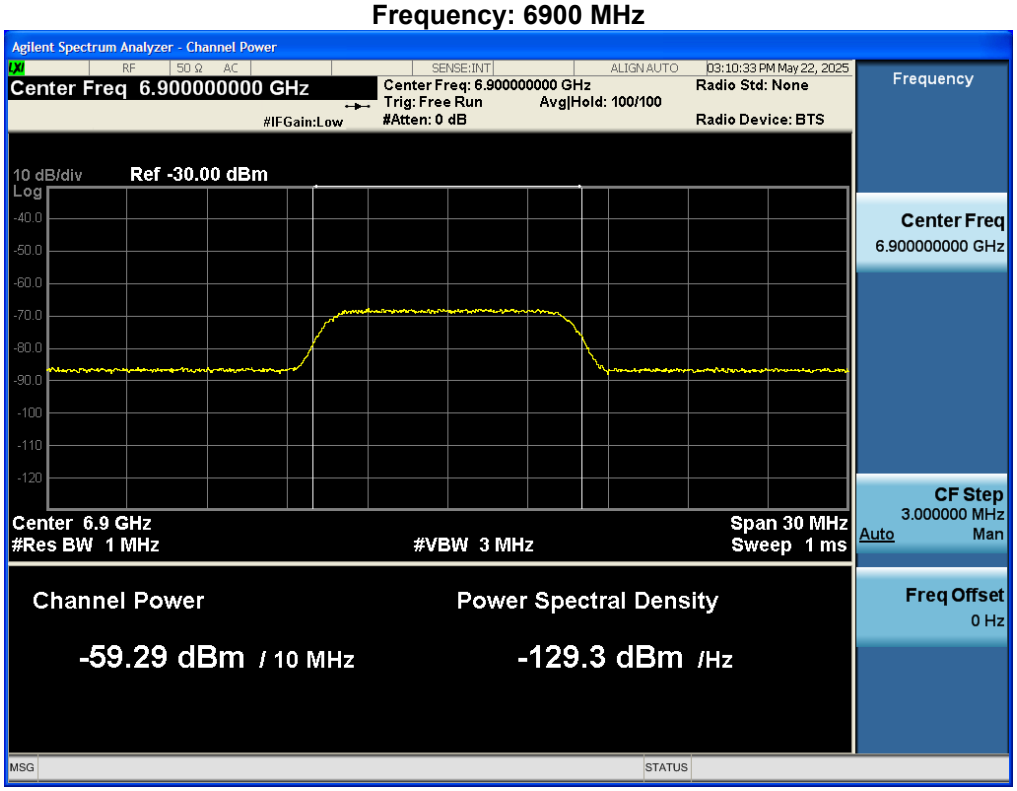
Frequency: 6825 MHz



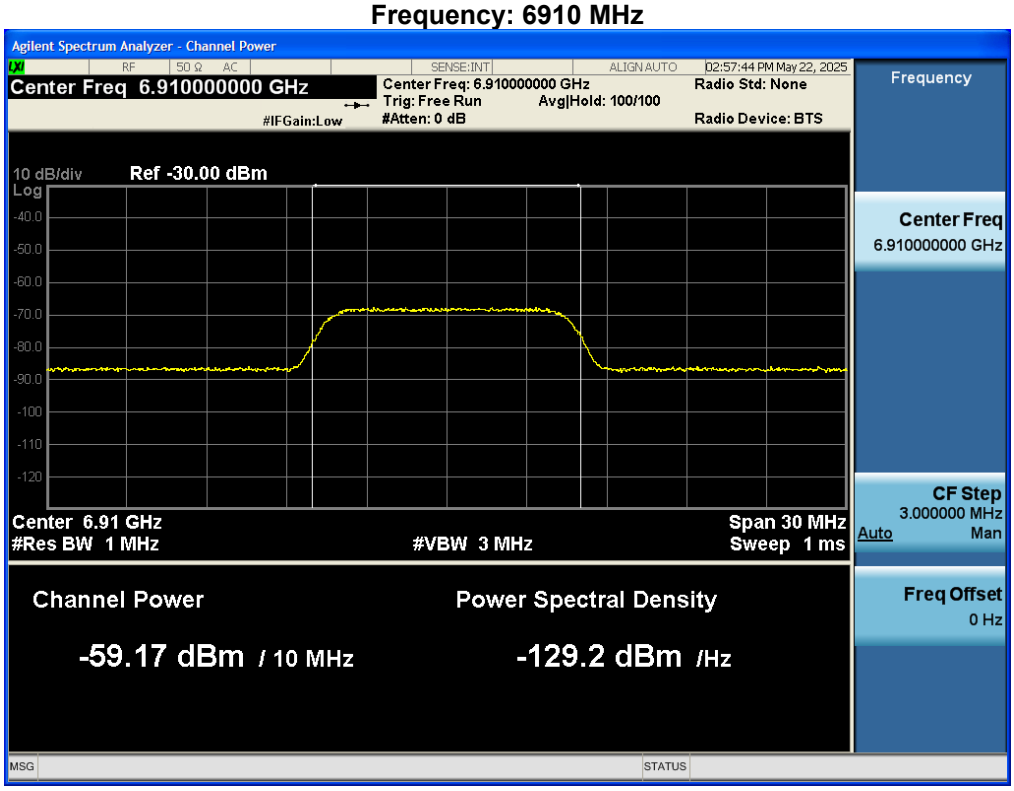
Frequency: 6855 MHz



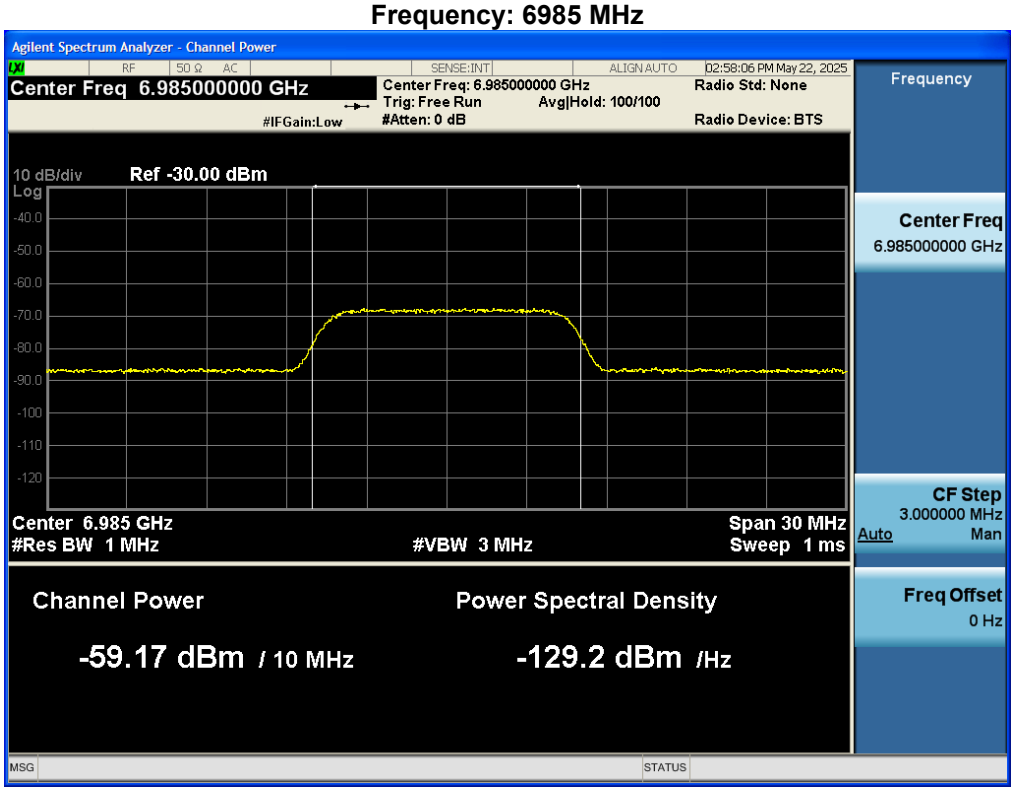
Frequency: 6900 MHz



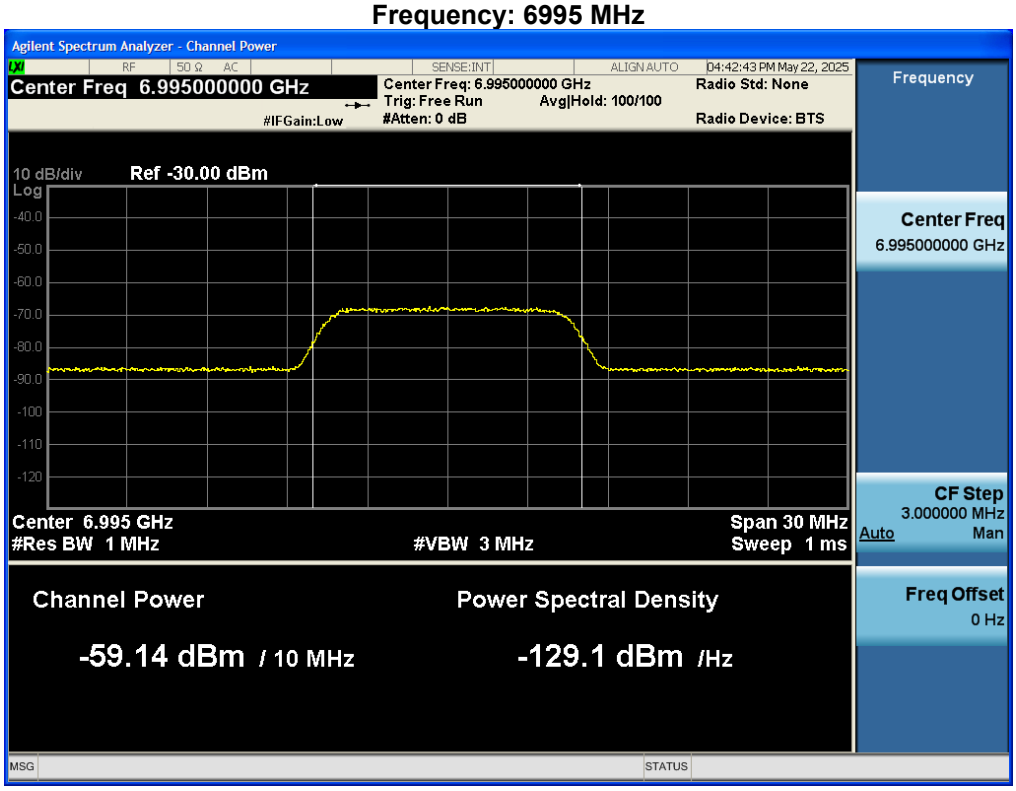
Frequency: 6910 MHz



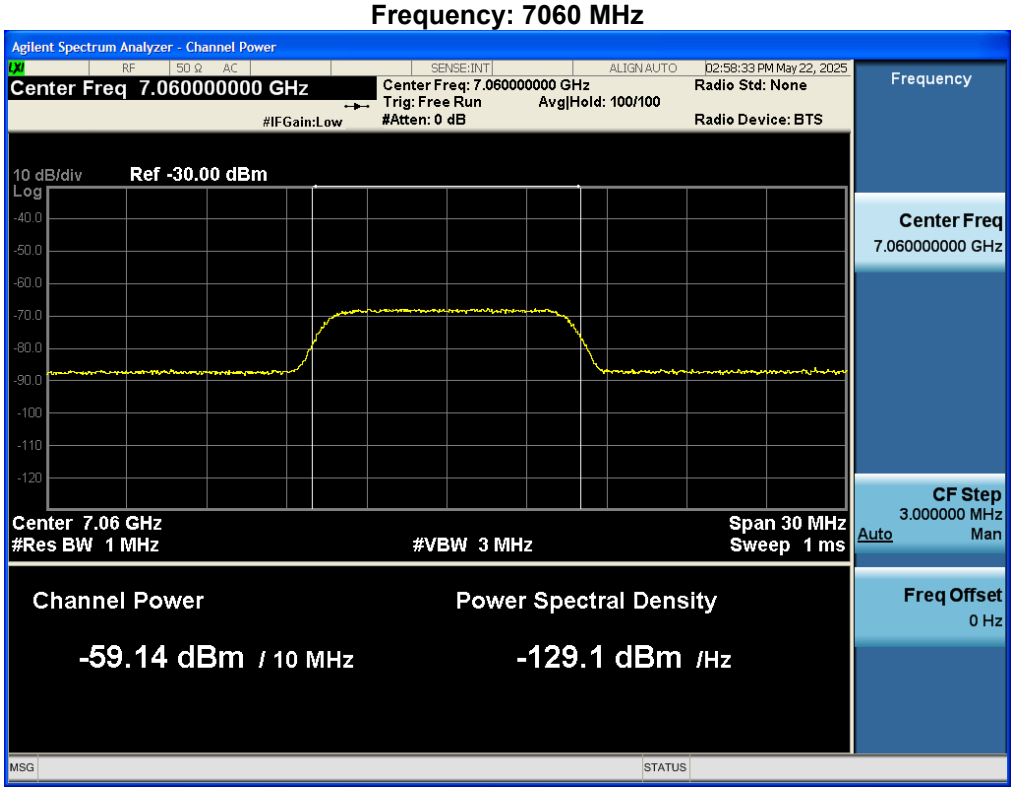
Frequency: 6985 MHz



Frequency: 6995 MHz



Frequency: 7060 MHz



Detection power level

UNII Band	5		
Channel Number	93		
Bandwidth (MHz)	20		
EUT Frequency (MHz)	6415		
AWGN Frequency (MHz)	6415		
AWGN Power (dBm)	-75.01	-76.01	-80.00
Antenna Gain (dBi)	3.00		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-78.01	-79.01	-83.00
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	5		
Channel Number	79		
Bandwidth (MHz)	160		
EUT Frequency (MHz)	6345		
AWGN Frequency (MHz)	6270		
AWGN Power (dBm)	-73.03	-75.03	-80.00
Antenna Gain (dBi)	3.00		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-76.03	-78.03	-83.00
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	5		
Channel Number	79		
Bandwidth (MHz)	160		
EUT Frequency (MHz)	6345		
AWGN Frequency (MHz)	6345		
AWGN Power (dBm)	-68.31	-69.31	-80.00
Antenna Gain (dBi)	3.00		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-71.31	-72.31	-83.00
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	5		
Channel Number	79		
Bandwidth (MHz)	160		
EUT Frequency (MHz)	6345		
AWGN Frequency (MHz)	6420		
AWGN Power (dBm)	-72.02	-73.02	-80.00
Antenna Gain (dBi)	3.00		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-75.02	-76.02	-83.00
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	6		
Channel Number	113		
Bandwidth (MHz)	20		
EUT Frequency (MHz)	6515		
AWGN Frequency (MHz)	6515		
AWGN Power (dBm)	-64.14	-76.14	-80.00
Antenna Gain (dBi)	3.00		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-67.14	-79.14	-83.00
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	6		
Channel Number	111		
Bandwidth (MHz)	160		
EUT Frequency (MHz)	6505		
AWGN Frequency (MHz)	6430		
AWGN Power (dBm)	-71.14	-74.14	-80.00
Antenna Gain (dBi)	3.00		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-74.14	-77.14	-83.00
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	6		
Channel Number	111		
Bandwidth (MHz)	160		
EUT Frequency (MHz)	6505		
AWGN Frequency (MHz)	6505		
AWGN Power (dBm)	-67.20	-68.20	-80.00
Antenna Gain (dBi)	3.00		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-70.20	-71.20	-83.00
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	6		
Channel Number	111		
Bandwidth (MHz)	160		
EUT Frequency (MHz)	6505		
AWGN Frequency (MHz)	6580		
AWGN Power (dBm)	-70.01	-72.01	-80.00
Antenna Gain (dBi)	3.00		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-73.01	-75.01	-83.00
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	7		
Channel Number	181		
Bandwidth (MHz)	20		
EUT Frequency (MHz)	6855		
AWGN Frequency (MHz)	6855		
AWGN Power (dBm)	-75.18	-77.18	-80.00
Antenna Gain (dBi)	3.00		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-78.18	-80.18	-83.00
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	7		
Channel Number	175		
Bandwidth (MHz)	160		
EUT Frequency (MHz)	6825		
AWGN Frequency (MHz)	6750		
AWGN Power (dBm)	-68.24	-71.24	-80.00
Antenna Gain (dBi)	3.00		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-71.24	-74.24	-83.00
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	7		
Channel Number	175		
Bandwidth (MHz)	160		
EUT Frequency (MHz)	6825		
AWGN Frequency (MHz)	6825		
AWGN Power (dBm)	-66.25	-67.25	-80.00
Antenna Gain (dBi)	3.00		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-69.25	-70.25	-83.00
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	7		
Channel Number	175		
Bandwidth (MHz)	160		
EUT Frequency (MHz)	6825		
AWGN Frequency (MHz)	6900		
AWGN Power (dBm)	-69.29	-77.29	-80.00
Antenna Gain (dBi)	3.00		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-72.29	-80.29	-83.00
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	8		
Channel Number	209		
Bandwidth (MHz)	20		
EUT Frequency (MHz)	6995		
AWGN Frequency (MHz)	6995		
AWGN Power (dBm)	-77.14	-78.14	-80.00
Antenna Gain (dBi)	3.00		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-80.14	-81.14	-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)	-70.17	-72.17	-80.00	AWGN Power (dBm)	-68.17	-69.17	-80.00	AWGN Power (dBm)	-73.14	-75.14	-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)	-73.17	-75.17	-83.00	Adjusted Power (dBm)	-71.17	-72.17	-83.00	Adjusted Power (dBm)	-76.14	-78.14	-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

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.

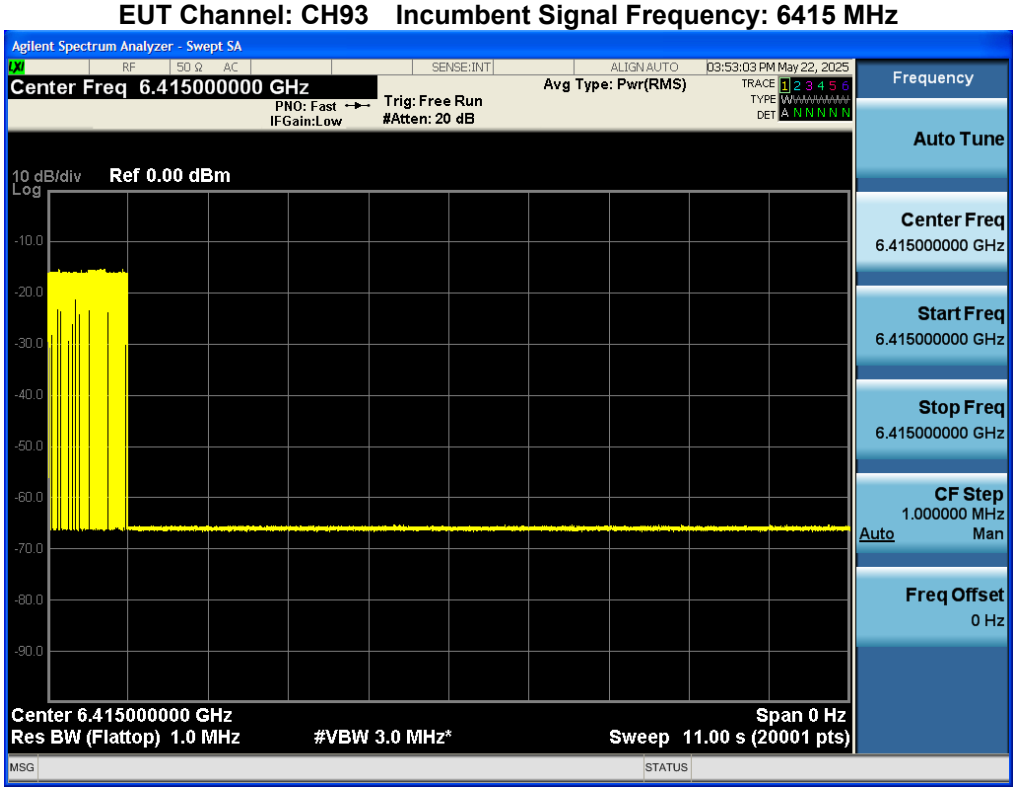
Detection power level and detection probability

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	93	6415	6415	10	9	90%	90%	Pass
	802.11ax	160	79	6345	6270	10	10	100%	90%	Pass
					6345	10	10	100%	90%	Pass
					6420	10	9	90%	90%	Pass
UNII-6	802.11ax	20	113	6515	6515	10	10	100%	90%	Pass
	802.11ax	160	111	6505	6430	10	10	100%	90%	Pass
					6505	10	9	90%	90%	Pass
					6580	10	10	100%	90%	Pass
UNII-7	802.11ax	20	181	6855	6855	10	9	90%	90%	Pass
	802.11ax	160	175	6825	6750	10	10	100%	90%	Pass
					6825	10	9	90%	90%	Pass
					6900	10	9	90%	90%	Pass
UNII-8	802.11ax	20	209	6995	6995	10	9	90%	90%	Pass
	802.11ax	160	207	6985	6910	10	10	100%	90%	Pass
					6985	10	10	100%	90%	Pass
					7060	10	9	90%	90%	Pass

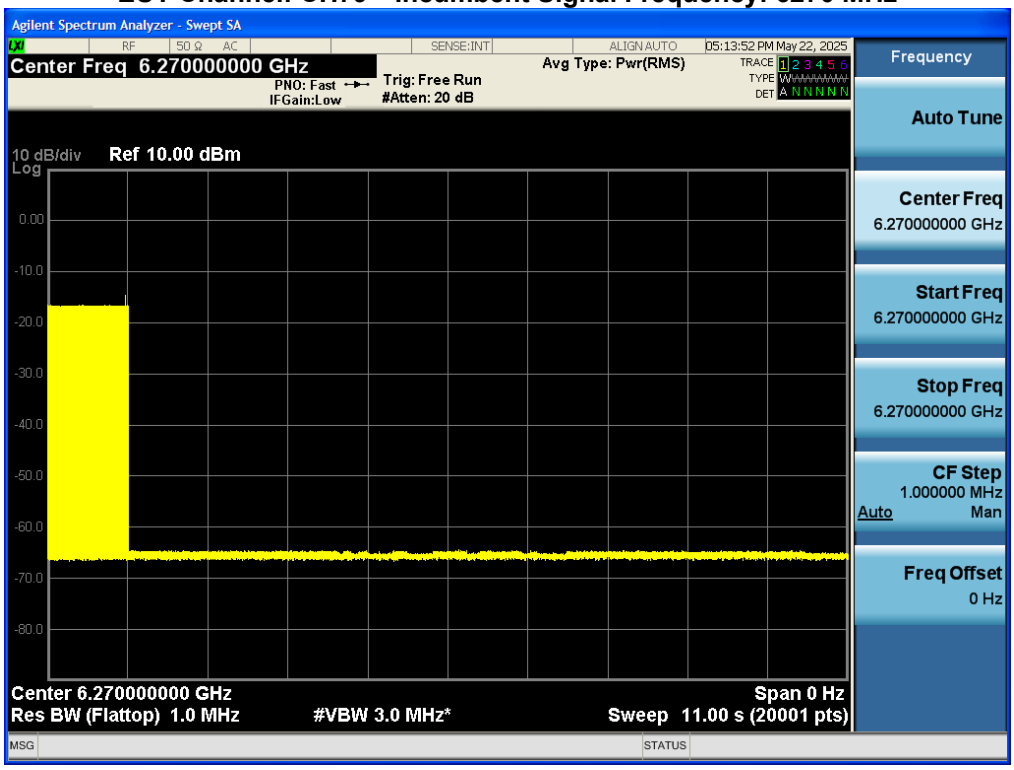
Note: The device did not use either channel puncturing or bandwidth reduction for the purpose of incumbent avoidance.

Contention-Based Protocol

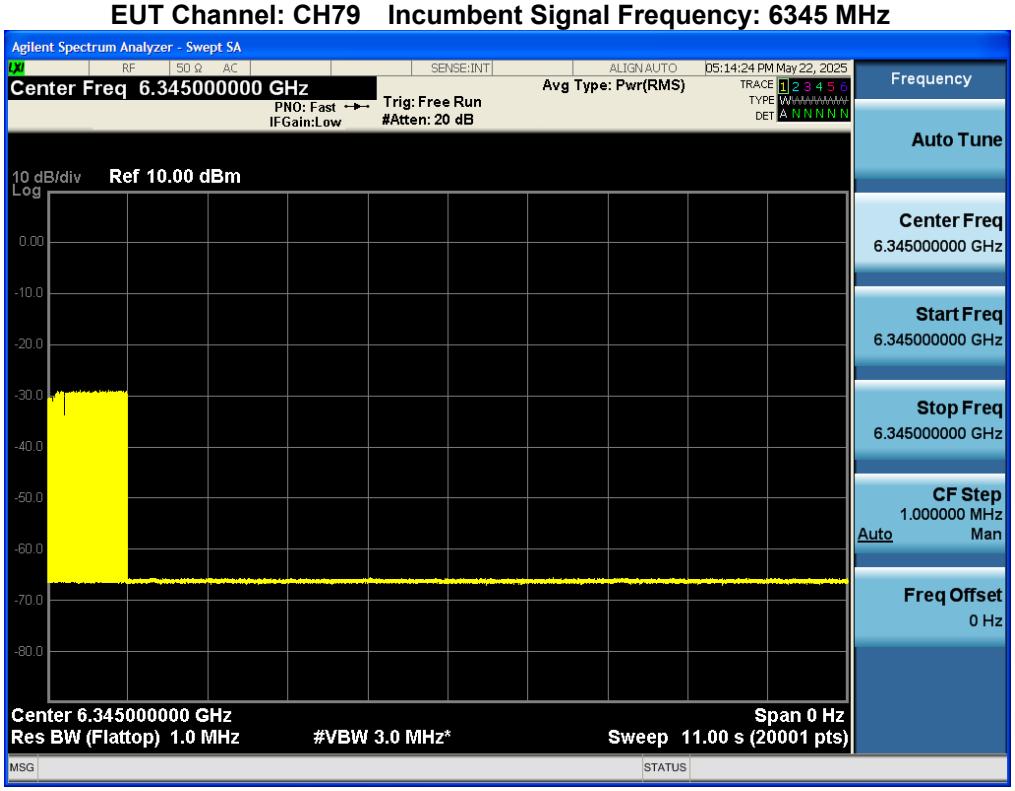
EUT Channel: CH93 Incumbent Signal Frequency: 6415 MHz



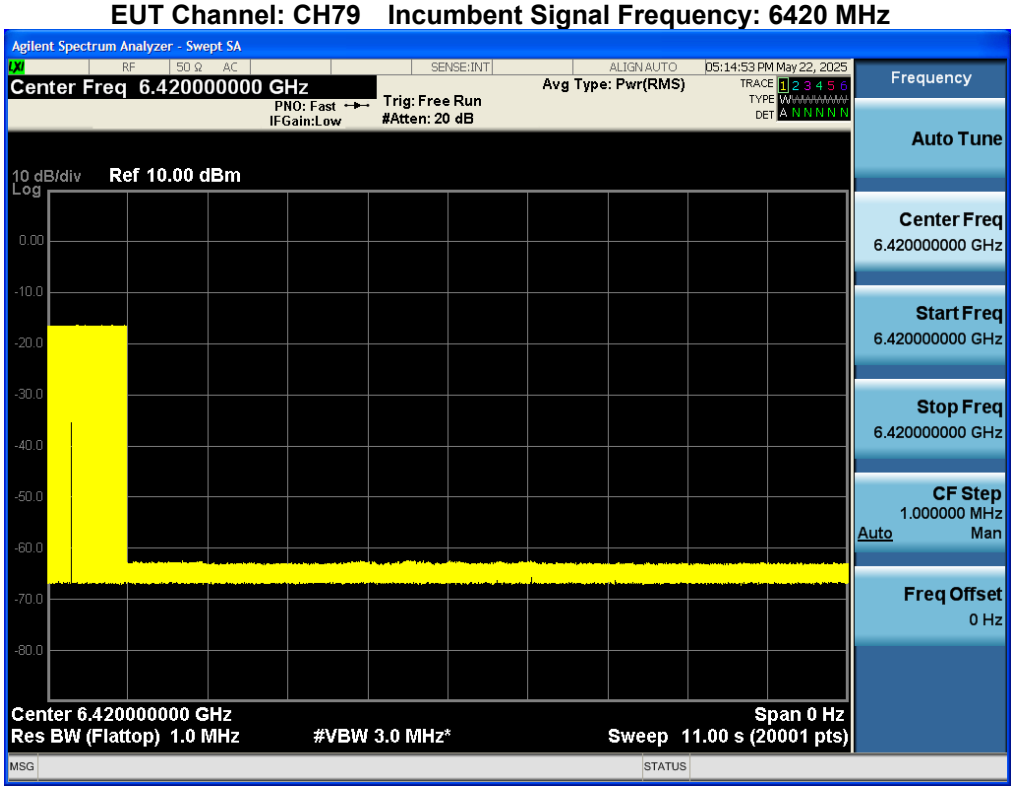
EUT Channel: CH79 Incumbent Signal Frequency: 6270 MHz



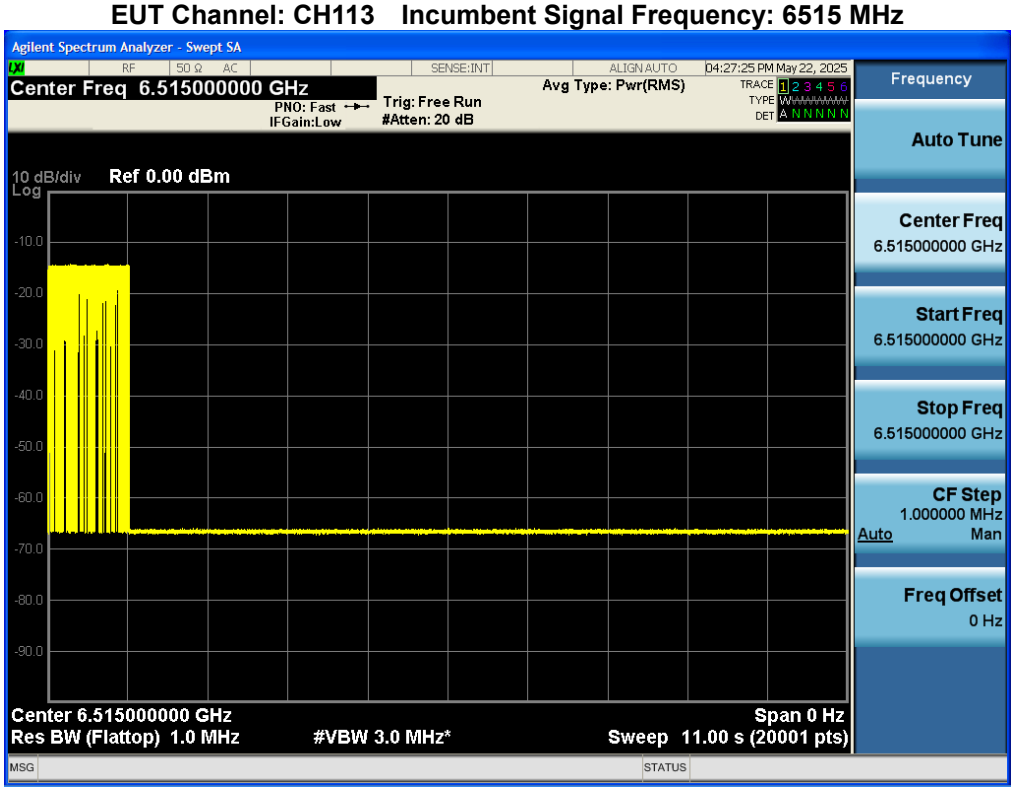
EUT Channel: CH79 Incumbent Signal Frequency: 6345 MHz



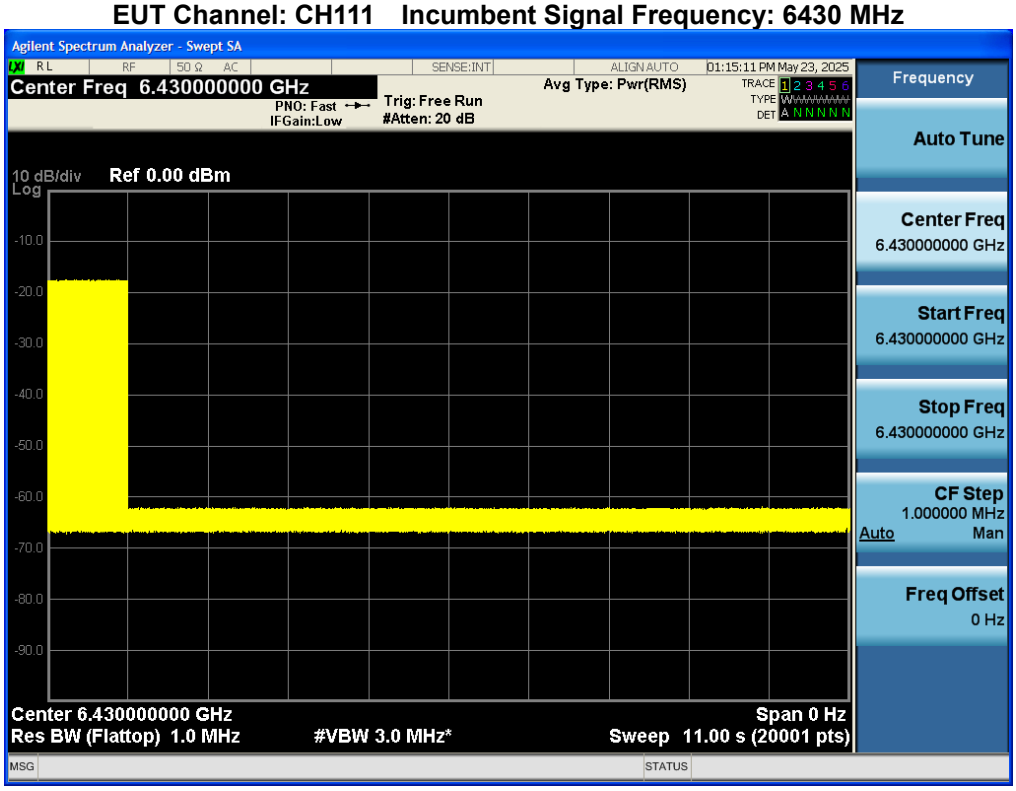
EUT Channel: CH79 Incumbent Signal Frequency: 6420 MHz



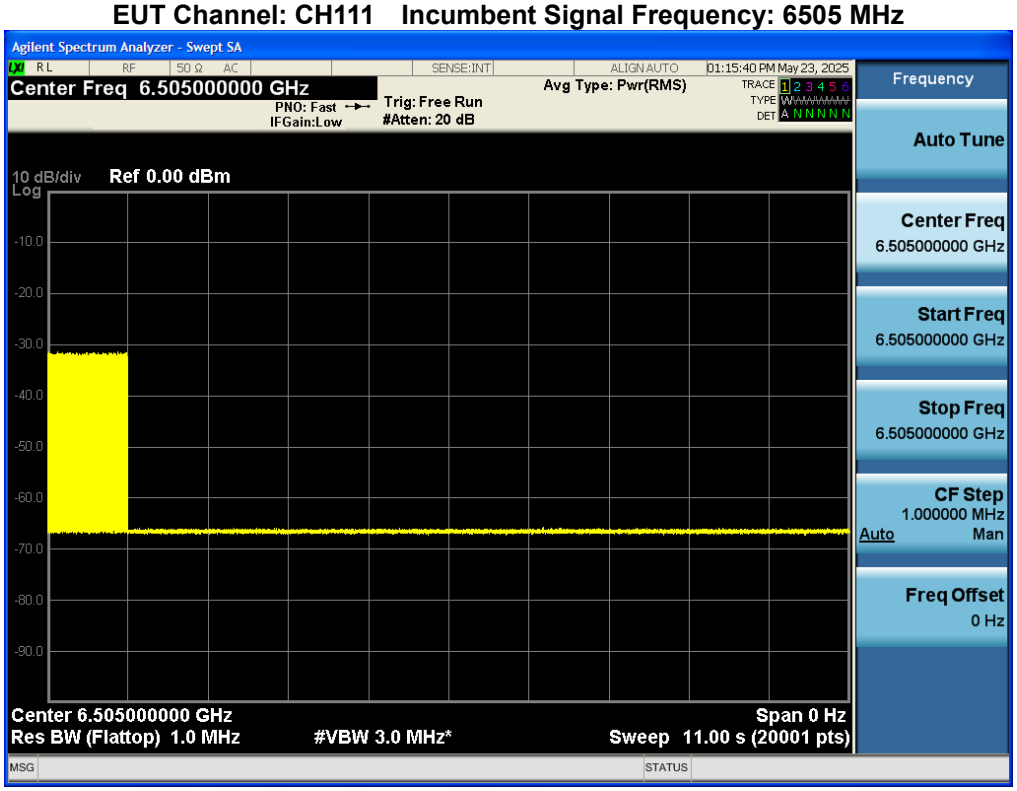
EUT Channel: CH113 Incumbent Signal Frequency: 6515 MHz



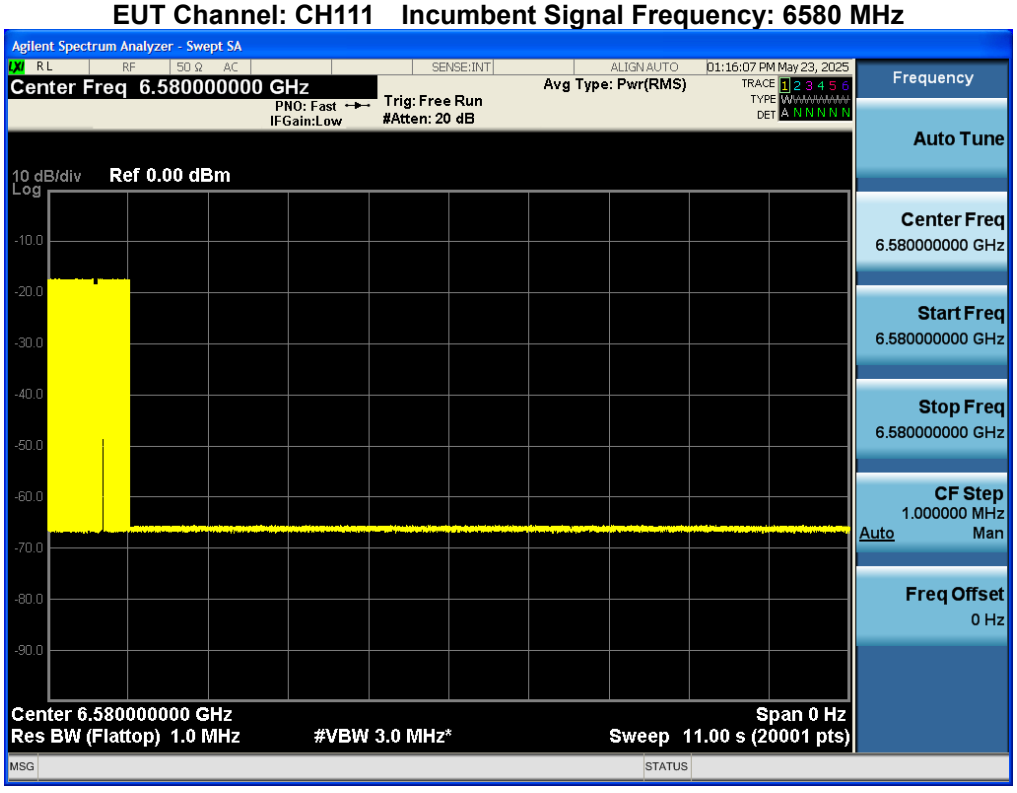
EUT Channel: CH111 Incumbent Signal Frequency: 6430 MHz



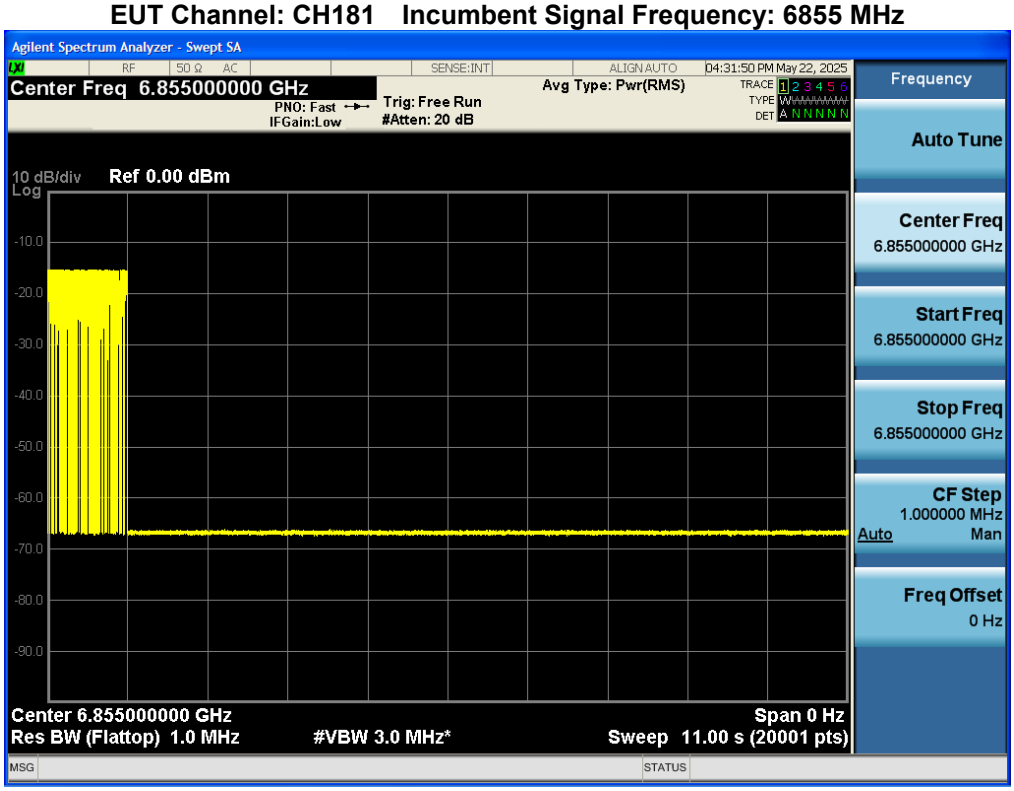
EUT Channel: CH111 Incumbent Signal Frequency: 6505 MHz



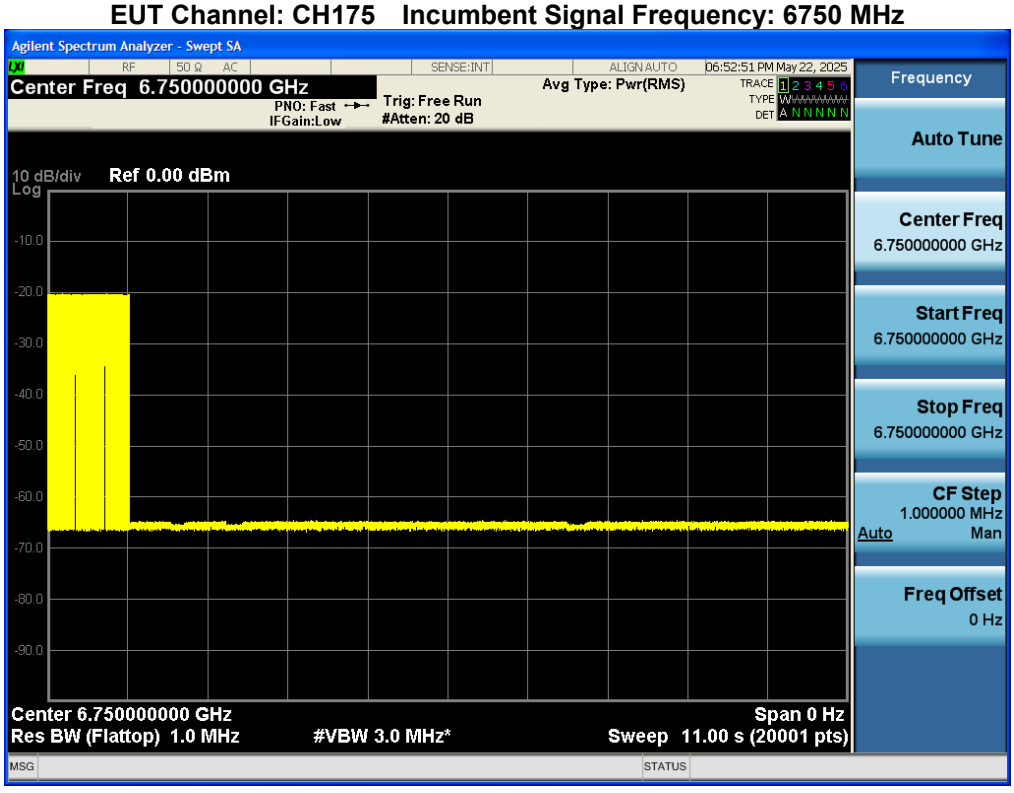
EUT Channel: CH111 Incumbent Signal Frequency: 6580 MHz



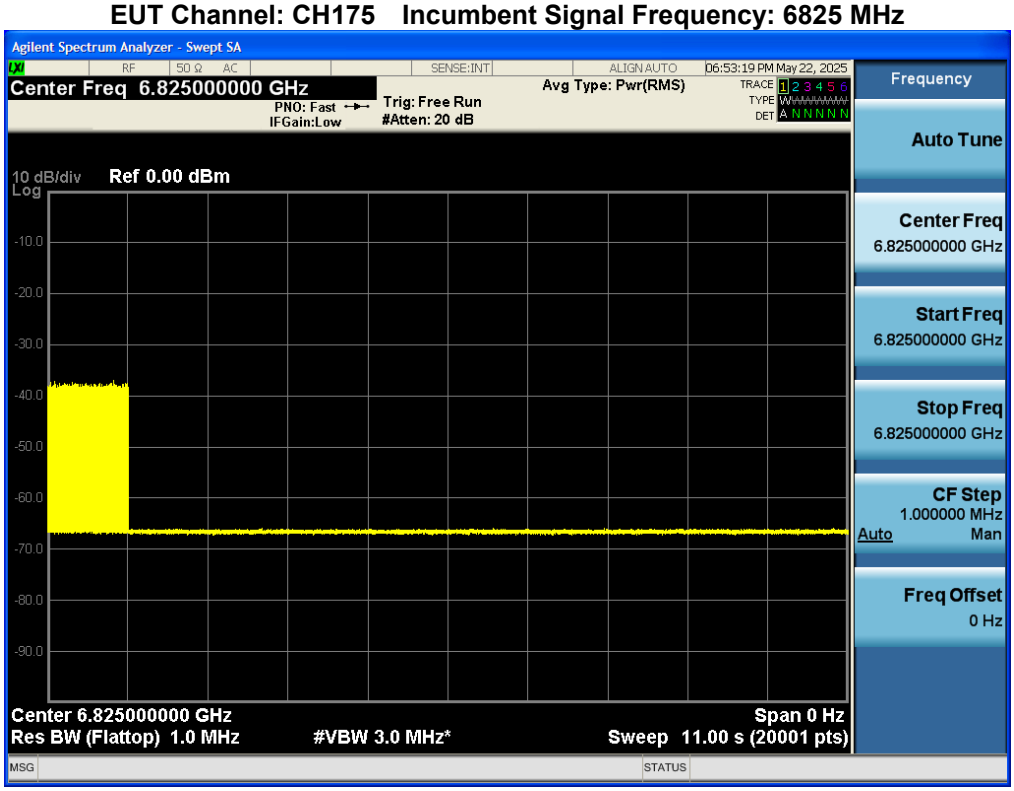
EUT Channel: CH181 Incumbent Signal Frequency: 6855 MHz



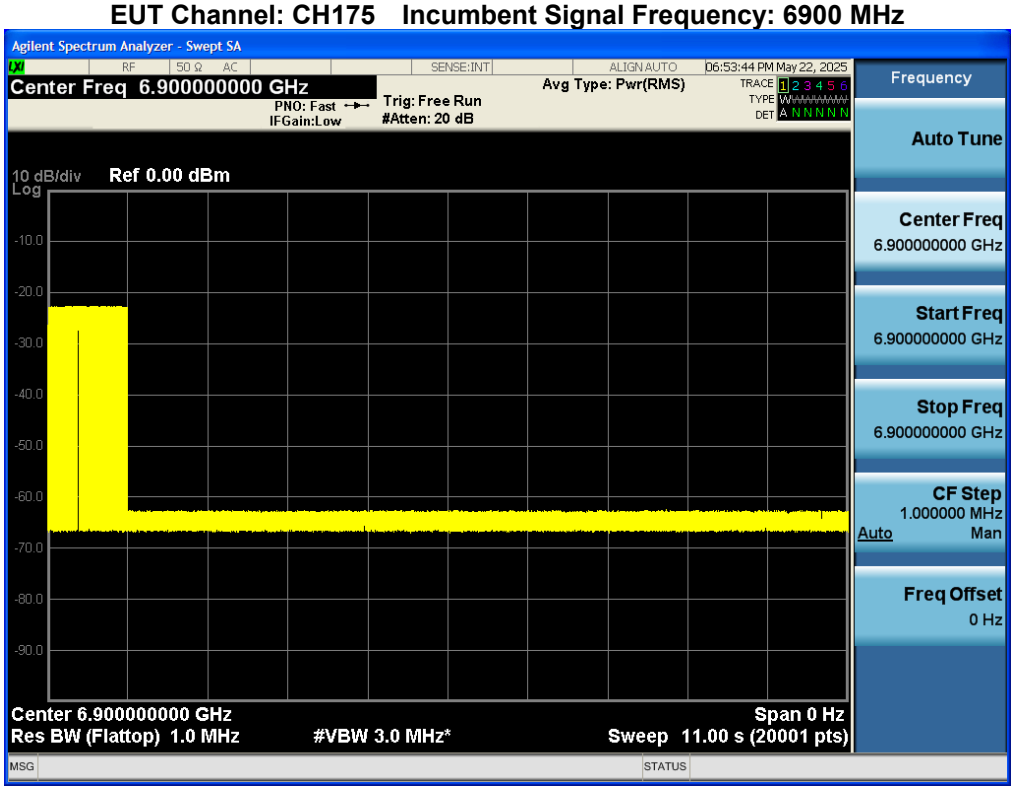
EUT Channel: CH175 Incumbent Signal Frequency: 6750 MHz



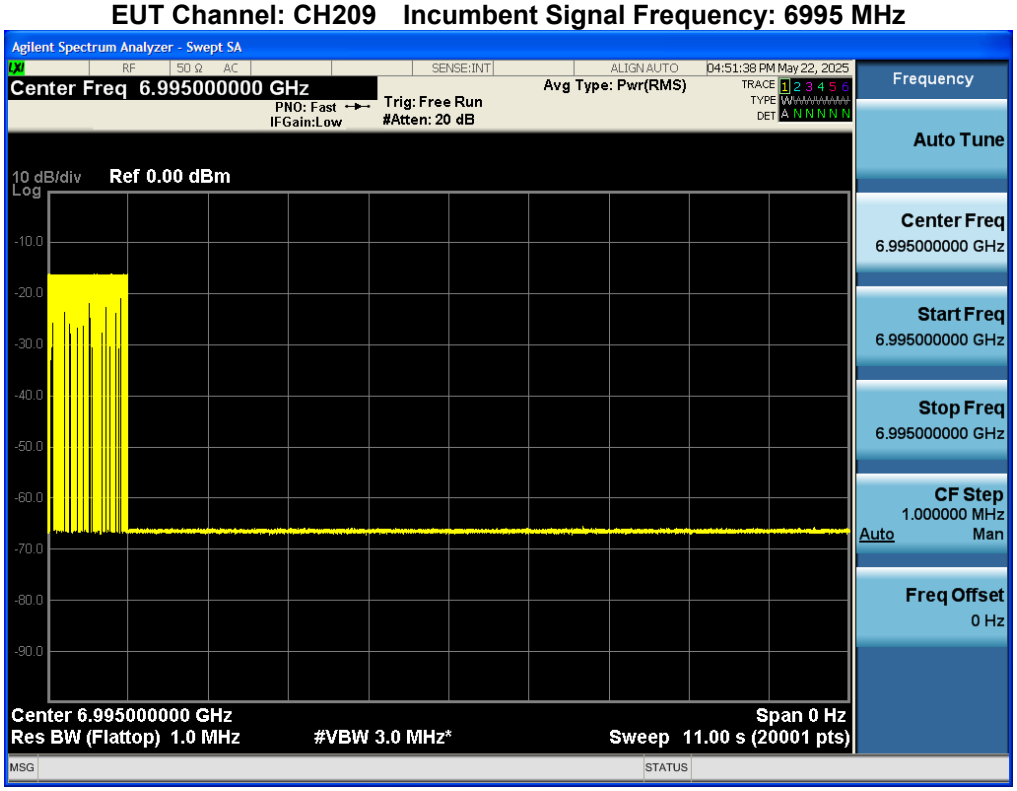
EUT Channel: CH175 Incumbent Signal Frequency: 6825 MHz



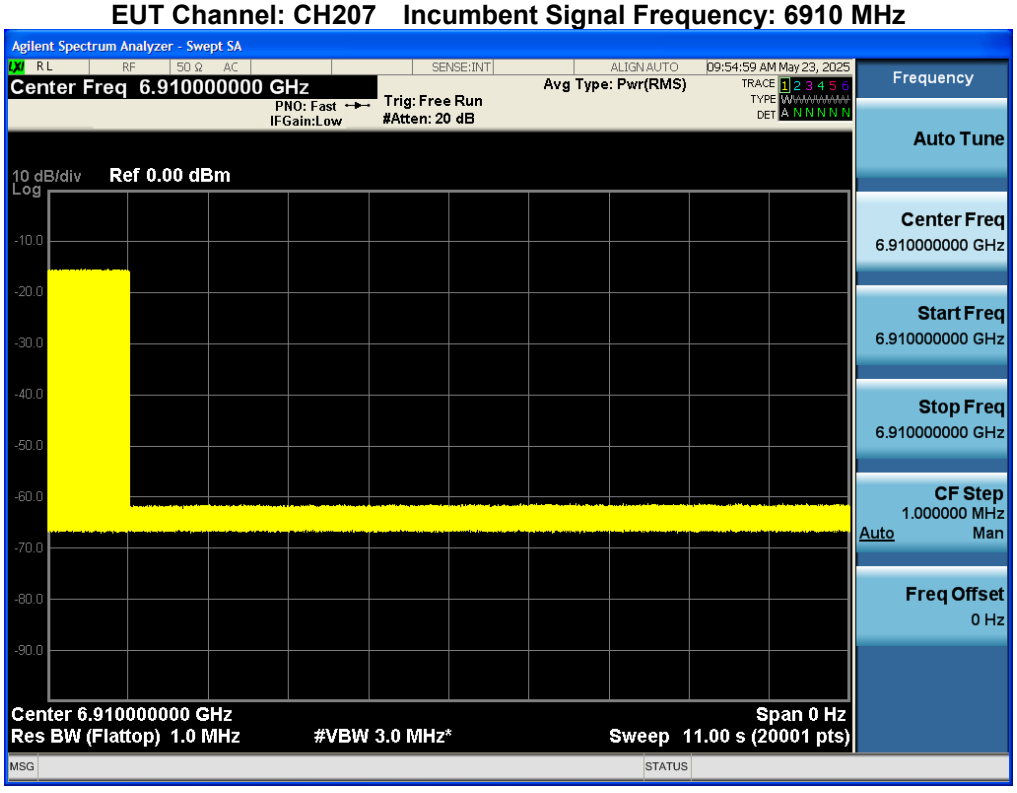
EUT Channel: CH175 Incumbent Signal Frequency: 6900 MHz



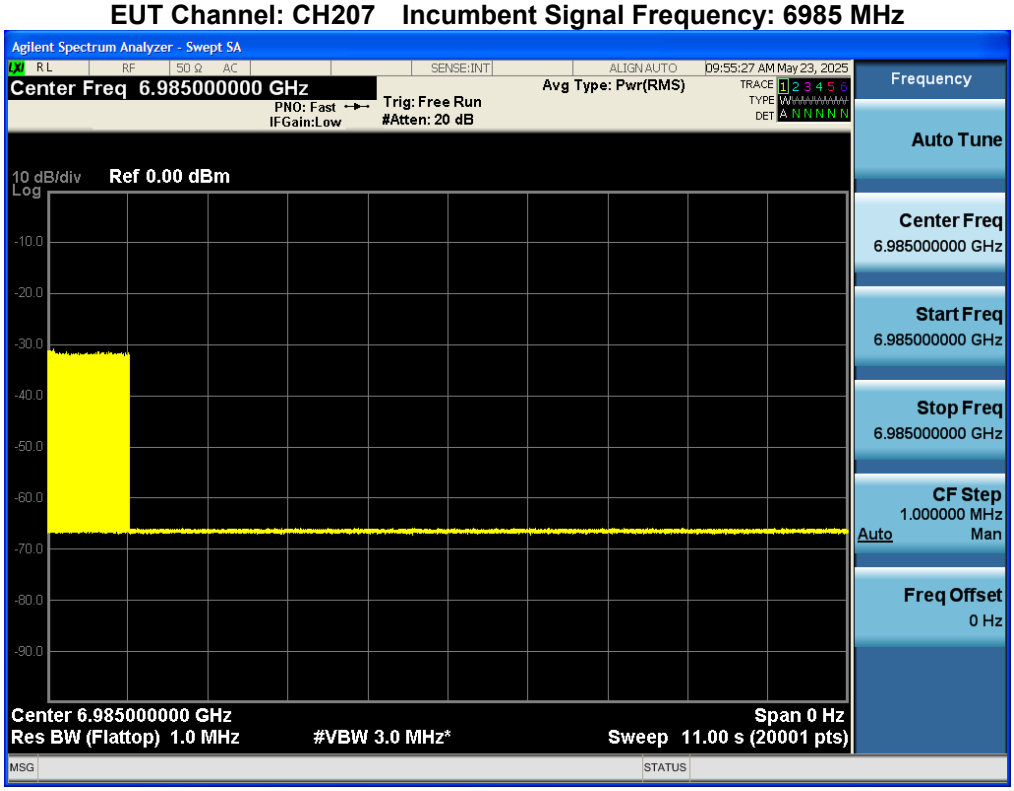
EUT Channel: CH209 Incumbent Signal Frequency: 6995 MHz



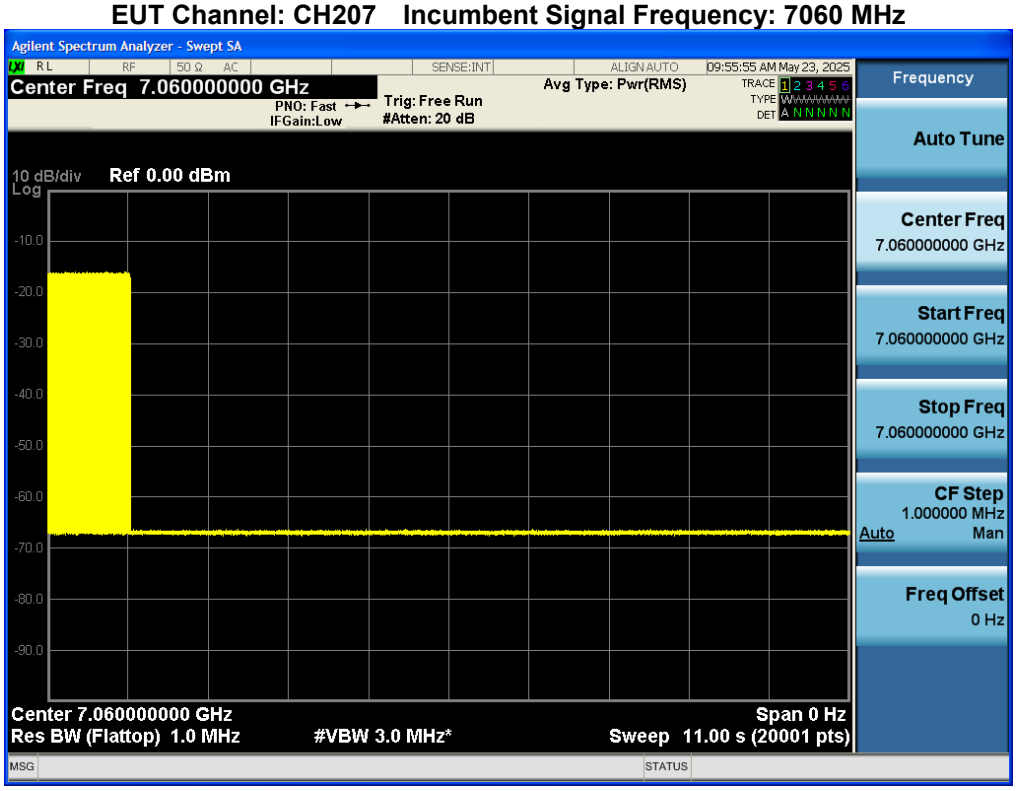
EUT Channel: CH207 Incumbent Signal Frequency: 6910 MHz



EUT Channel: CH207 Incumbent Signal Frequency: 6985 MHz



EUT Channel: CH207 Incumbent Signal Frequency: 7060 MHz



APPENDIX J - FREQUENCY STABILITY

Test Mode	UNII-5

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	5955.0000
138.00	5954.9430
120.00	5954.9438
102.00	5954.9434
Maximum Deviation (MHz)	-0.0570
Maximum Deviation (ppm)	-9.57

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	5955.0000
-10	5954.9574
0	5954.9582
10	5954.9576
20	5954.9592
30	5954.9382
40	5954.9392
50	5954.9394
Maximum Deviation (MHz)	-0.0618
Maximum Deviation (ppm)	-10.38

Test Mode	UNII-6

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	6435.0000
138.00	6434.9386
120.00	6434.9402
102.00	6434.9382
Maximum Deviation (MHz)	-0.0618
Maximum Deviation (ppm)	-9.60

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	6435.0000
-10	6434.9544
0	6434.9544
10	6434.9556
20	6434.9588
30	6434.9336
40	6434.9336
50	6434.9344
Maximum Deviation (MHz)	-0.0664
Maximum Deviation (ppm)	-10.32

Test Mode	UNII-7

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	6535.0000
138.00	6534.9372
120.00	6534.9392
102.00	6534.9384
Maximum Deviation (MHz)	-0.0628
Maximum Deviation (ppm)	-9.61

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	6535.0000
-10	6534.9550
0	6534.9554
10	6534.9556
20	6534.9566
30	6534.9332
40	6534.9342
50	6534.9366
Maximum Deviation (MHz)	-0.0668
Maximum Deviation (ppm)	-10.22

Test Mode	UNII-8

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	6875.0000
138.00	6874.9354
120.00	6874.9380
102.00	6874.9346
Maximum Deviation (MHz)	-0.0654
Maximum Deviation (ppm)	-9.51

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	6875.0000
-10	6874.9522
0	6874.9522
10	6874.9534
20	6874.9556
30	6874.9296
40	6874.9298
50	6874.9310
Maximum Deviation (MHz)	-0.0704
Maximum Deviation (ppm)	-10.24

End of Test Report