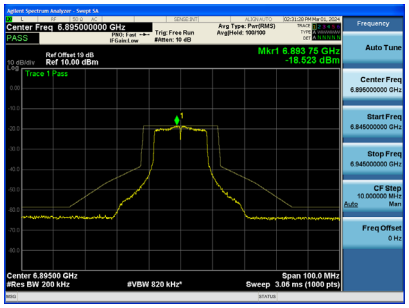
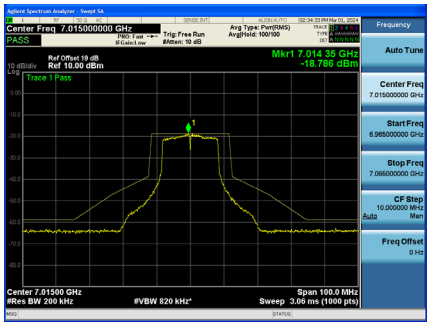
Test Mode	UNII-8_TX A Mode_Ant. 1

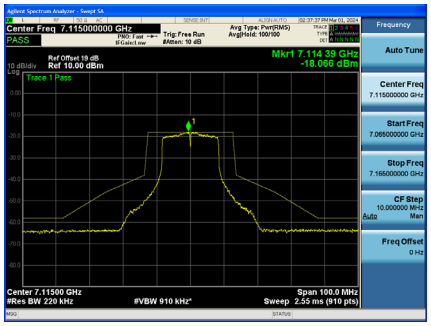
CH189



CH213

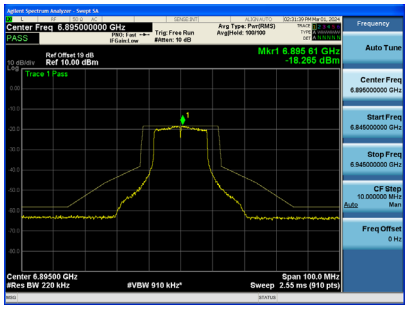


CH233

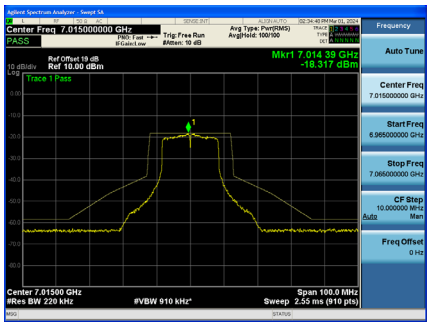


Test Mode	UNII-8_TX A Mode_Ant. 2

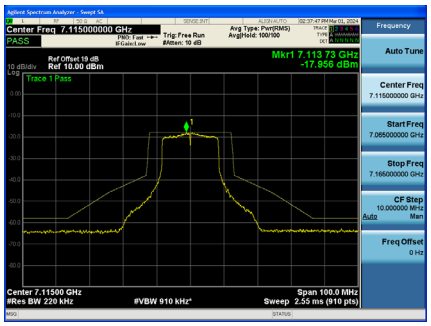
CH189



CH213

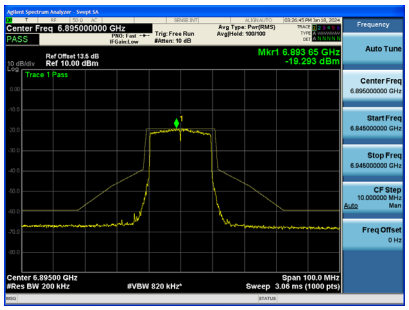


CH233

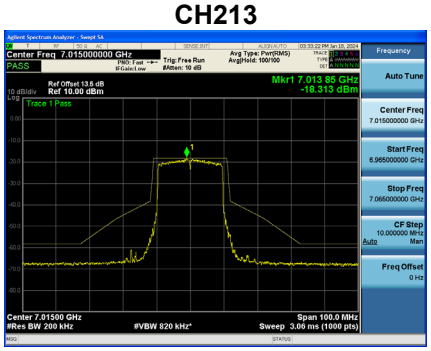


Test Mode	UNII-8_TX AX(HE20) Mode_Ant. 1

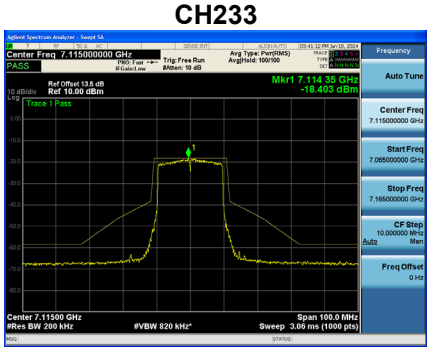
CH189



CH213

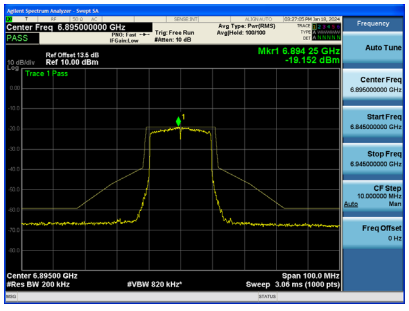


CH233

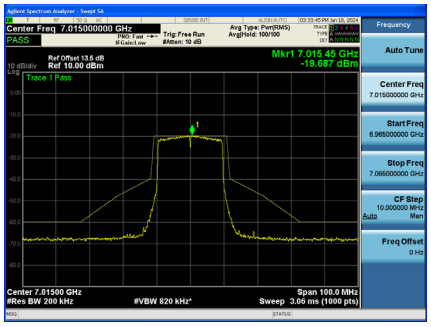


Test Mode	UNII-8_TX AX(HE20) Mode_Ant. 2

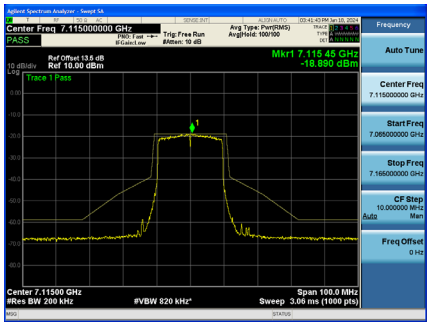
CH189



CH213

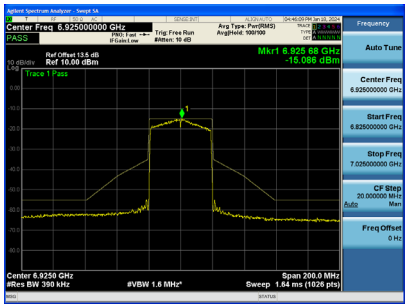


CH233

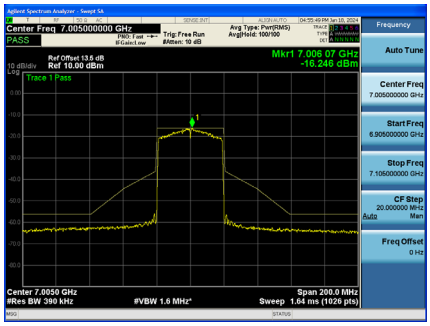


Test Mode	UNII-8_TX AX(HE40) Mode_Ant. 1

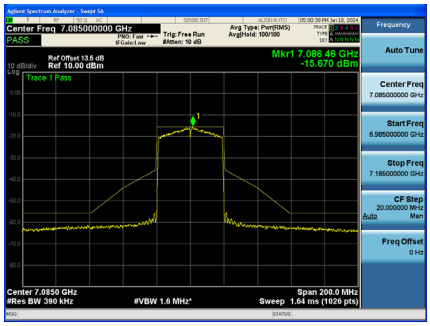
CH195



CH211

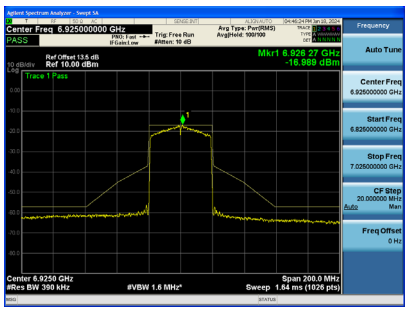


CH227

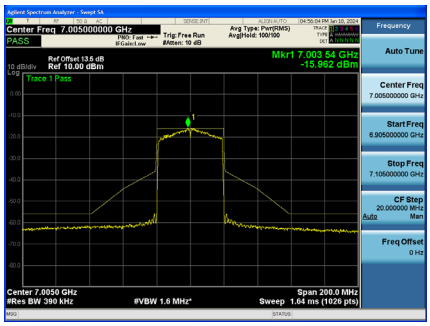


Test Mode	UNII-8_TX AX(HE40) Mode_Ant. 2

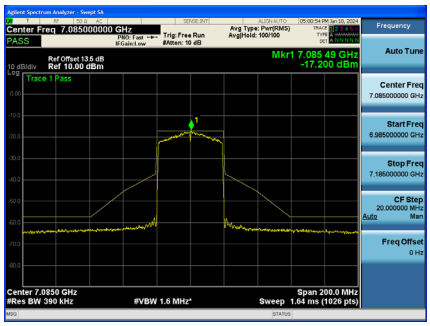
CH195



CH211

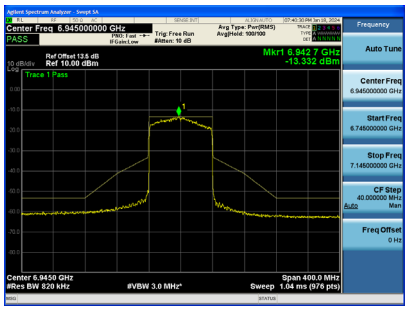


CH227

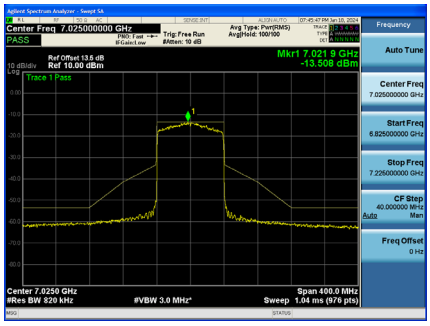


Test Mode	UNII-8_TX AX(HE80) Mode_Ant. 1

CH199

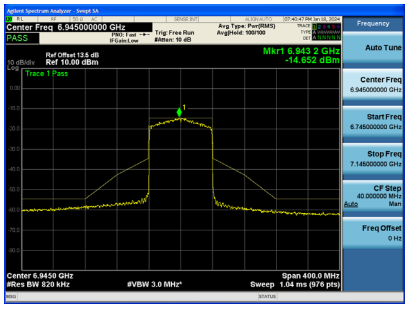


CH215

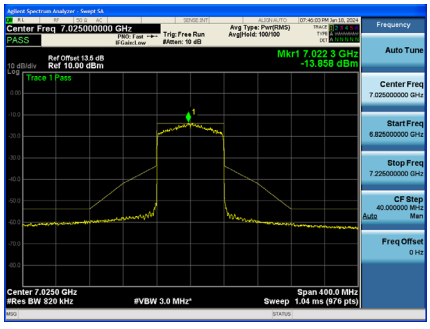


Test Mode	UNII-8_TX AX(HE80) Mode_Ant. 2

CH199

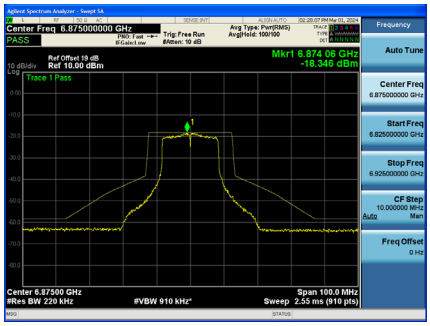


CH215



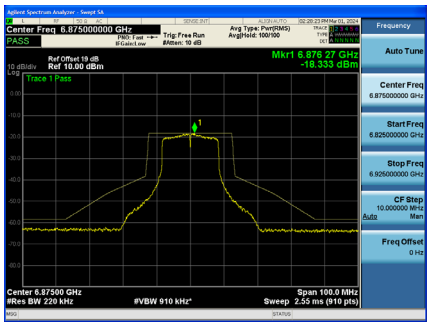
Test Mode	UNII-7+UNII-8_TX A Mode_Ant. 1

CH185



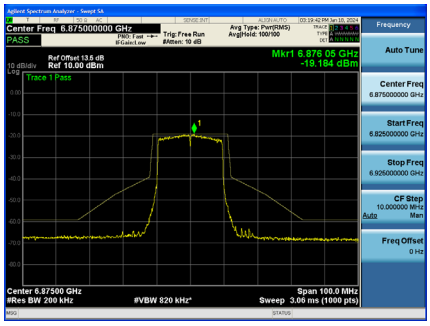
Test Mode	UNII-7+UNII-8_TX A Mode_Ant. 2

CH185



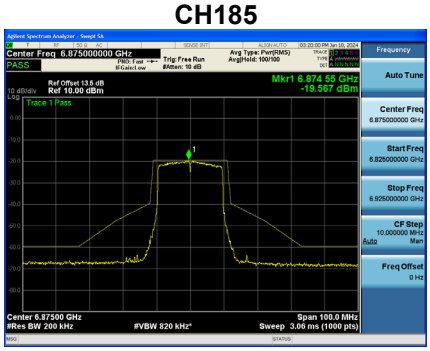
Test Mode	UNII-7+UNII-8_TX AX(HE20) Mode_Ant. 1

CH185



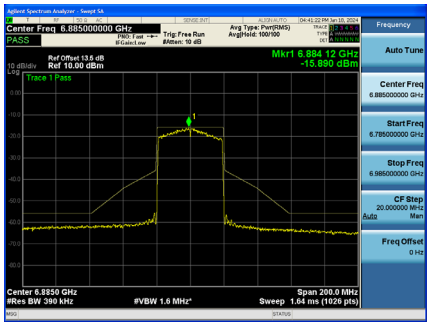
Test Mode	UNII-7+UNII-8_TX AX(HE20) Mode_Ant. 2

CH185



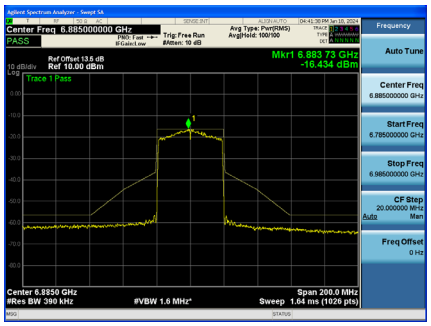
Test Mode	UNII-7+UNII-8_TX AX(HE40) Mode_Ant. 1

CH187



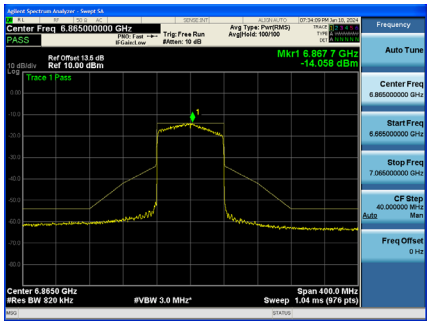
Test Mode	UNII-7+UNII-8_TX AX(HE40) Mode_Ant. 2

CH187



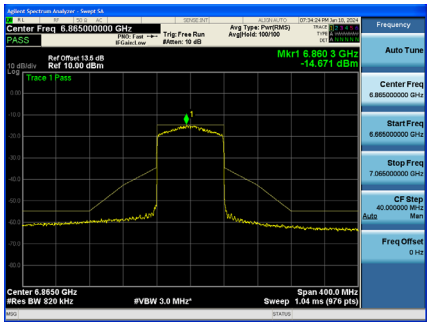
Test Mode	UNII-7+UNII-8_TX AX(HE80) Mode_Ant. 1

CH183



Test Mode	UNII-7+UNII-8_TX AX(HE80) Mode_Ant. 2

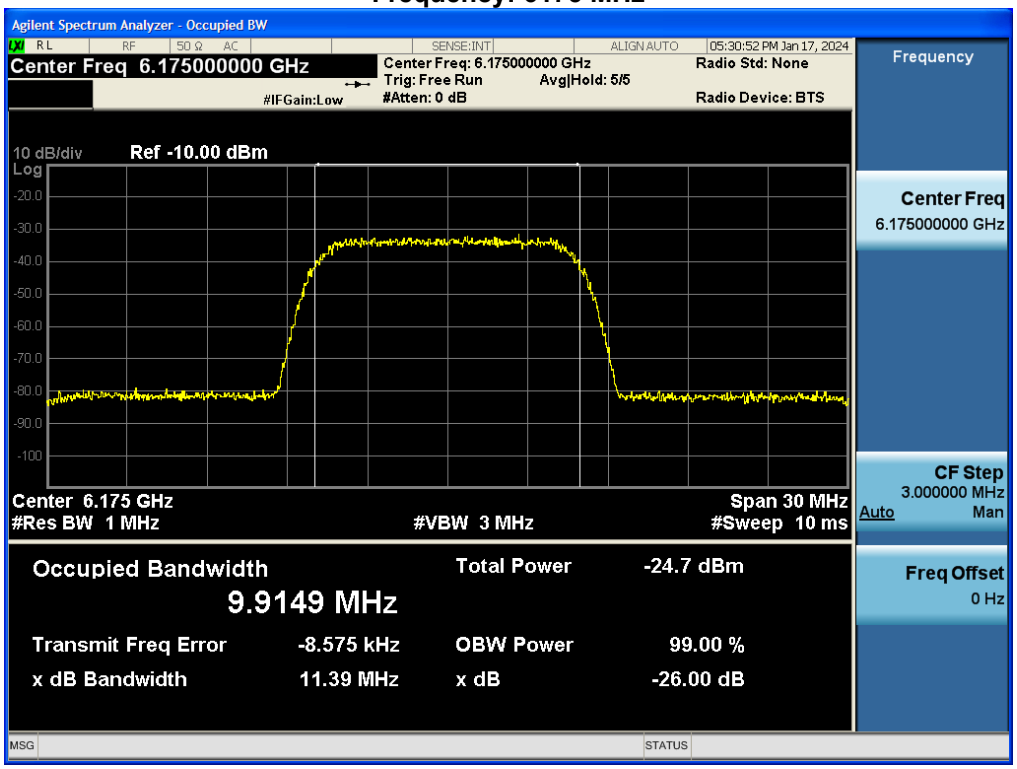
CH183



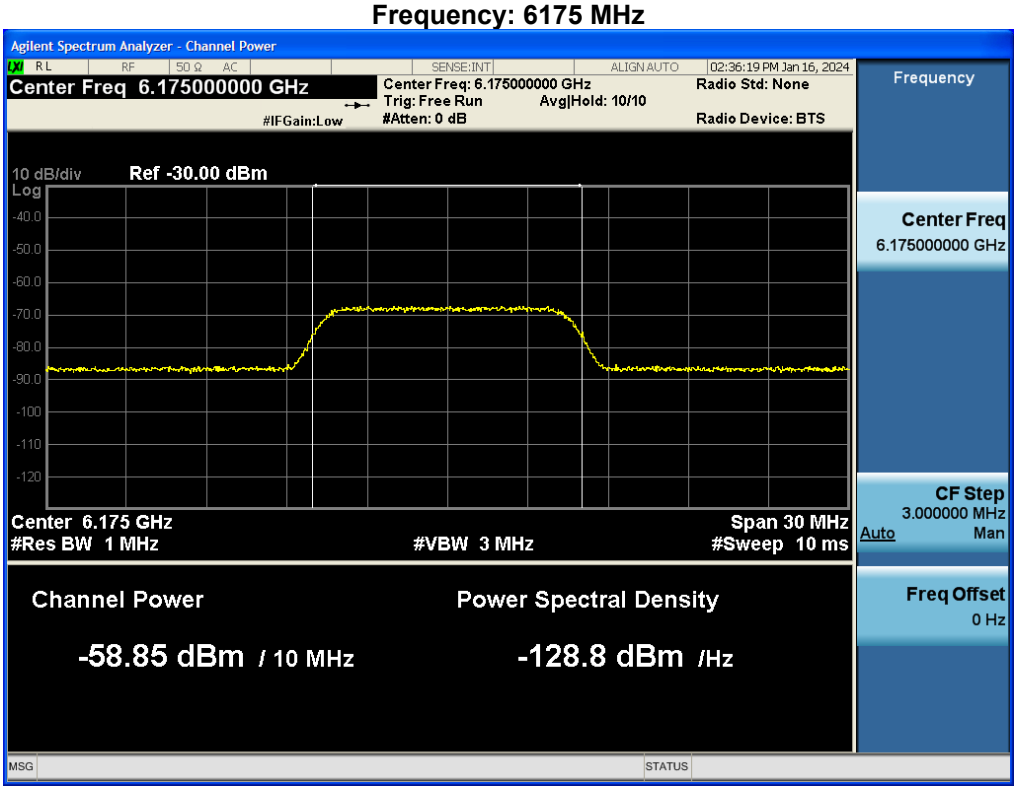
APPENDIX I - CONTENTION BASED PROTOCOL

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

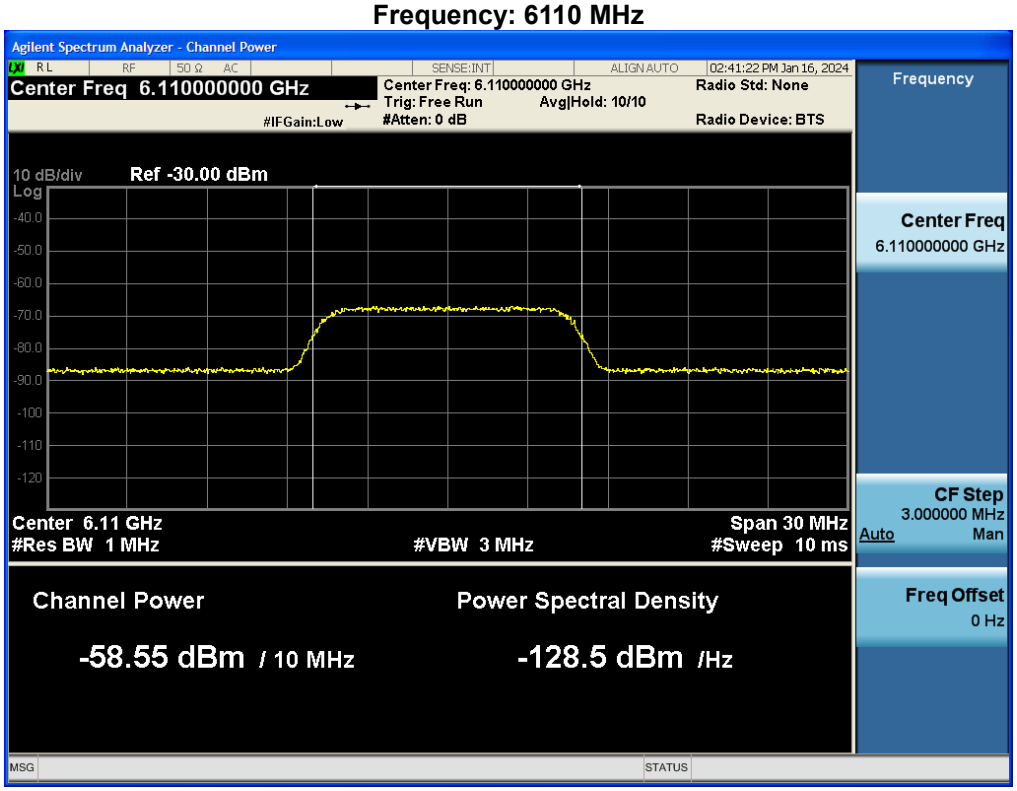
Incumbent Signal (AWGN)
Frequency: 6175 MHz



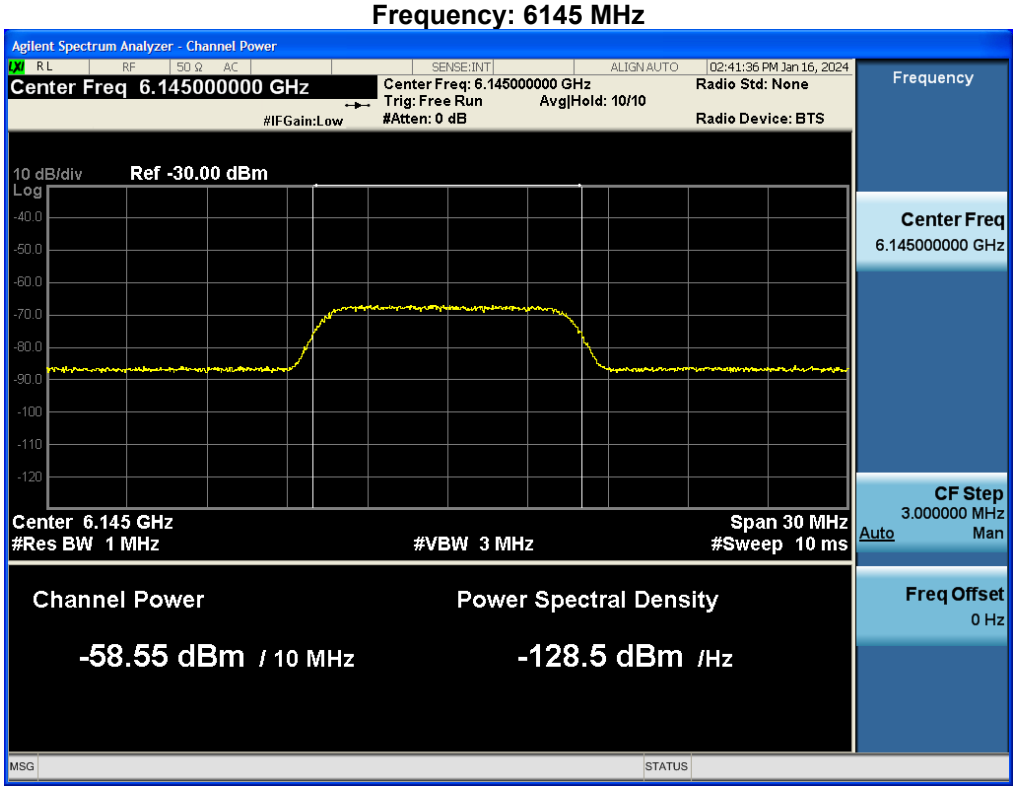
Frequency: 6175 MHz



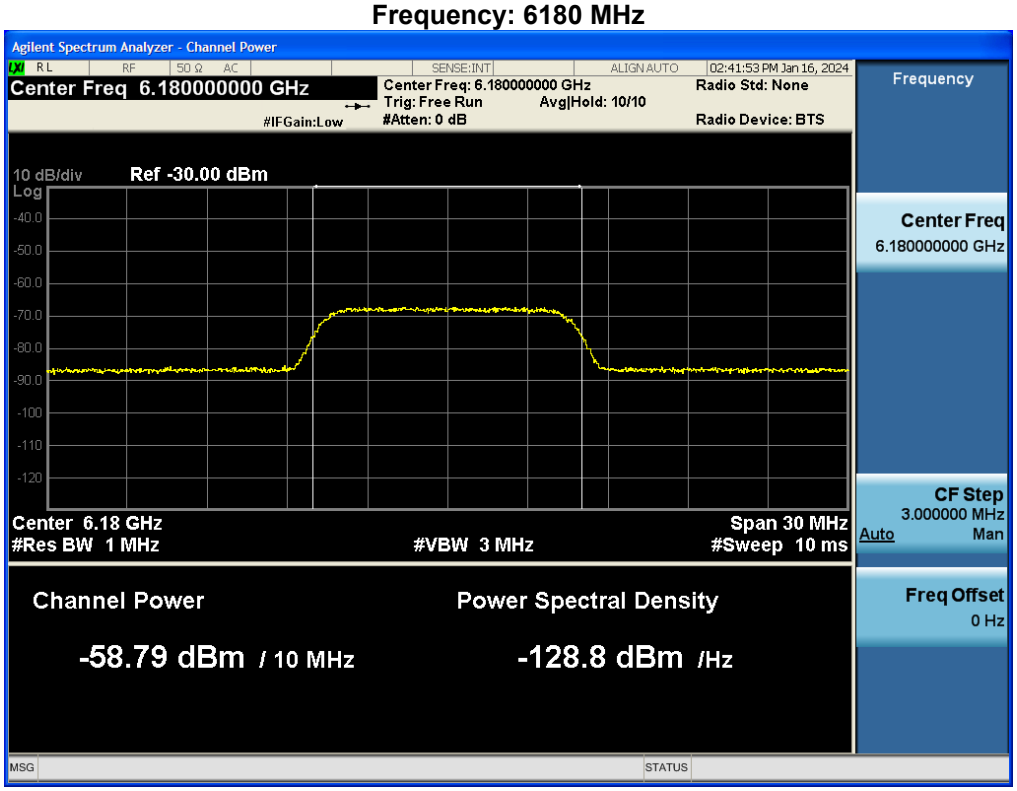
Frequency: 6110 MHz



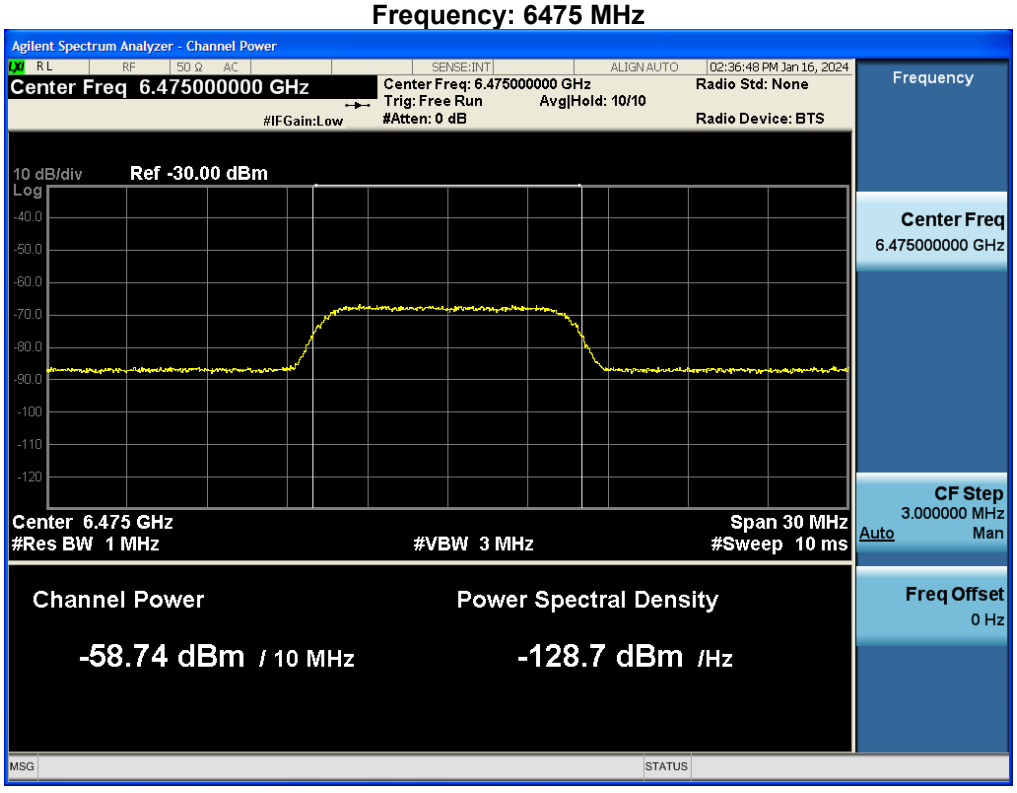
Frequency: 6145 MHz



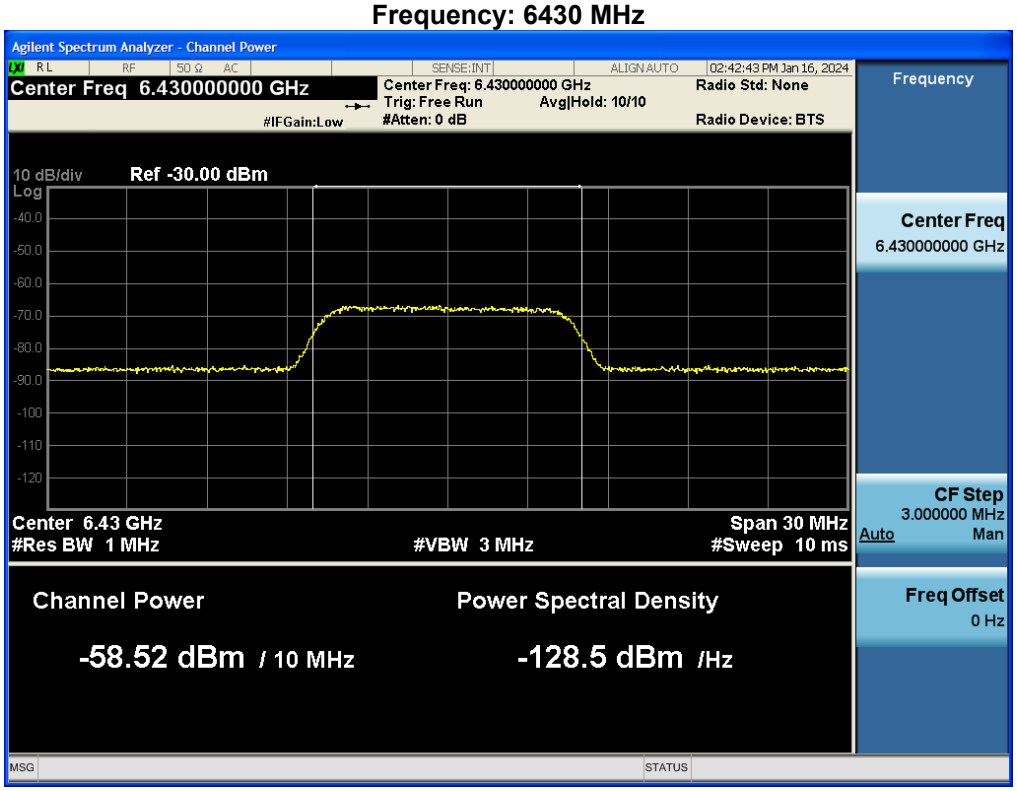
Frequency: 6180 MHz



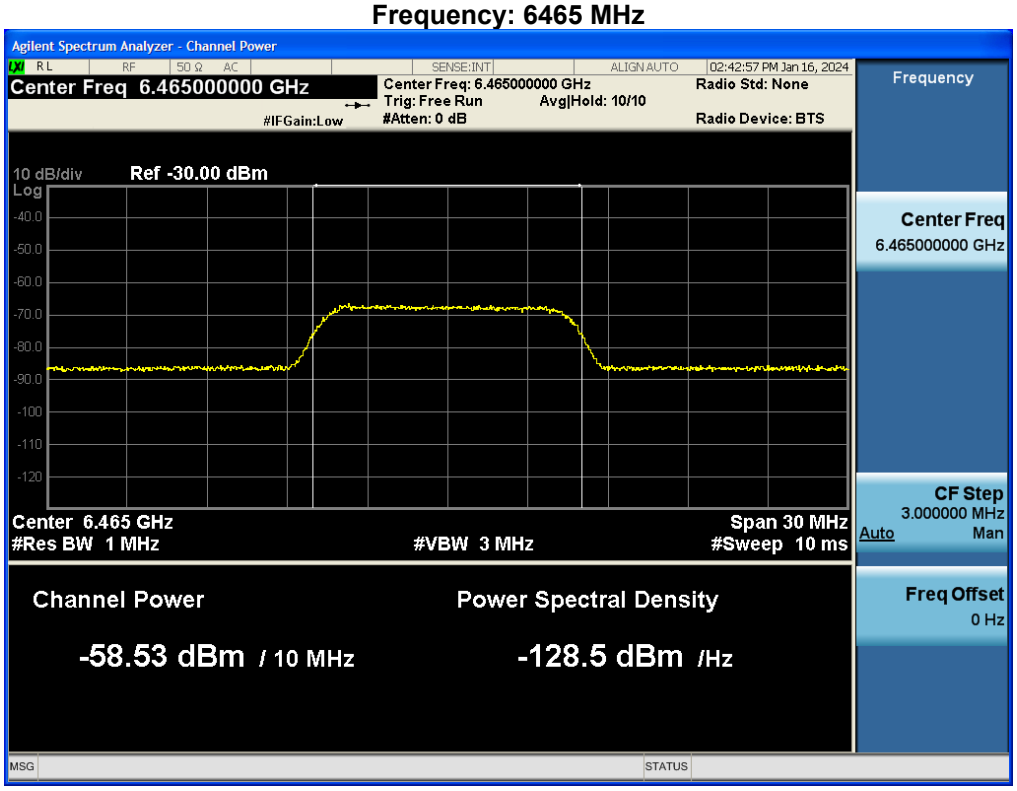
Frequency: 6475 MHz



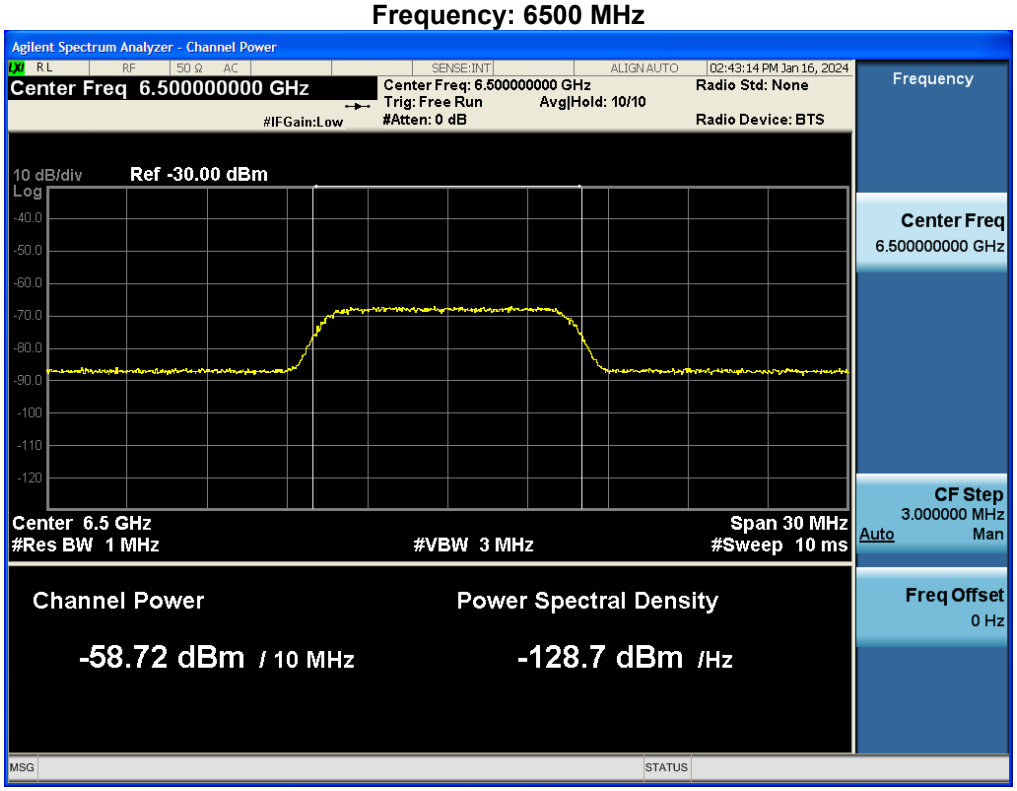
Frequency: 6430 MHz



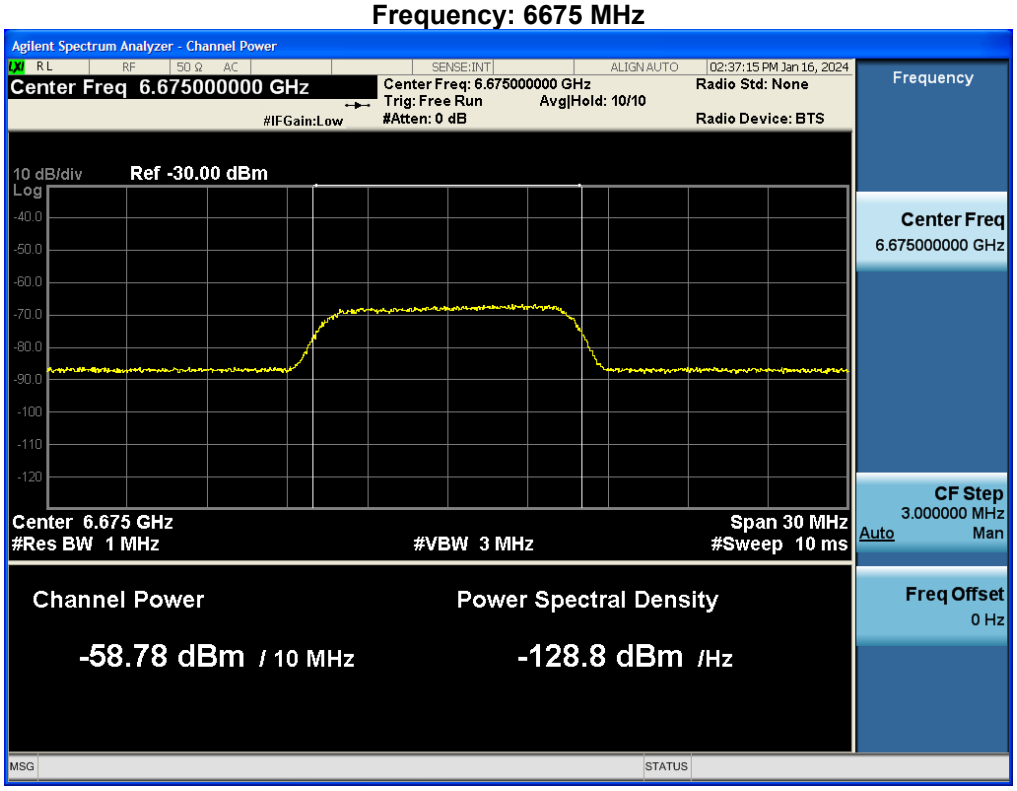
Frequency: 6465 MHz



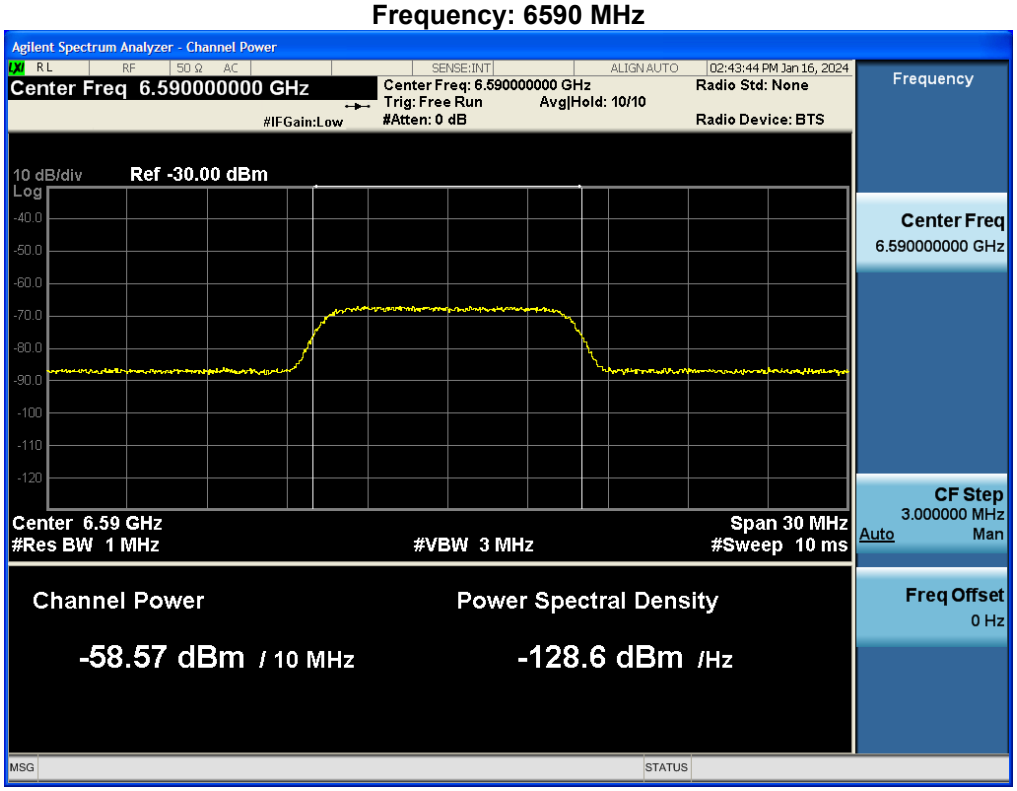
Frequency: 6500 MHz



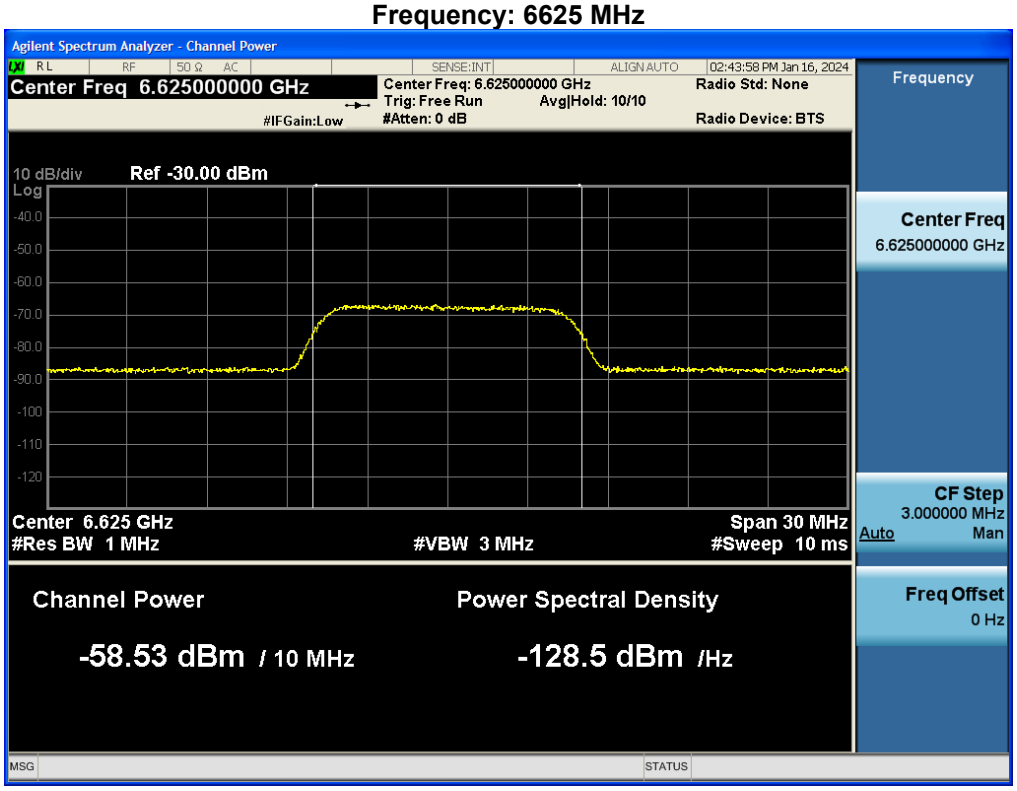
Frequency: 6675 MHz



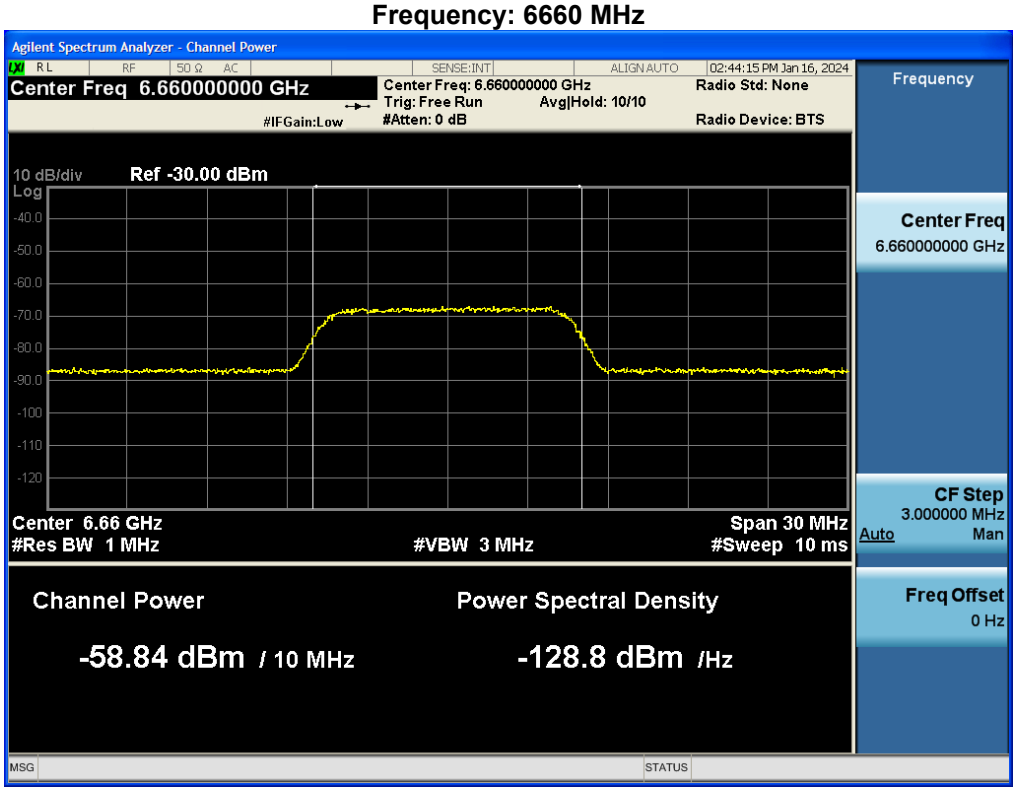
Frequency: 6590 MHz



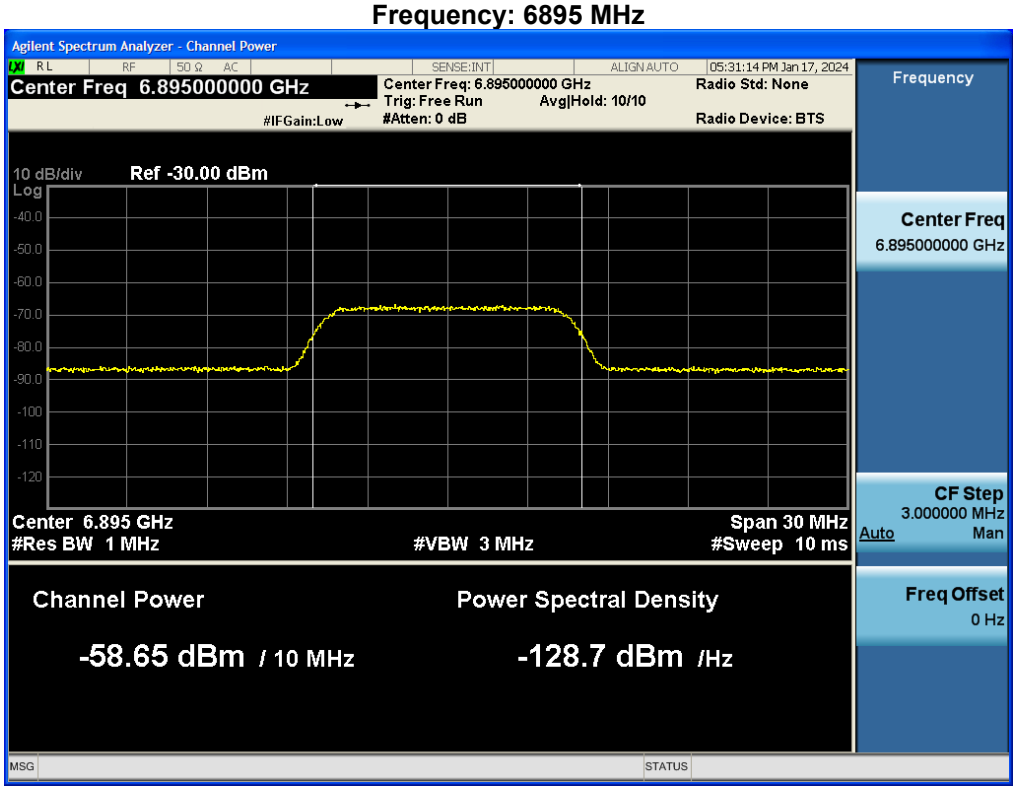
Frequency: 6625 MHz



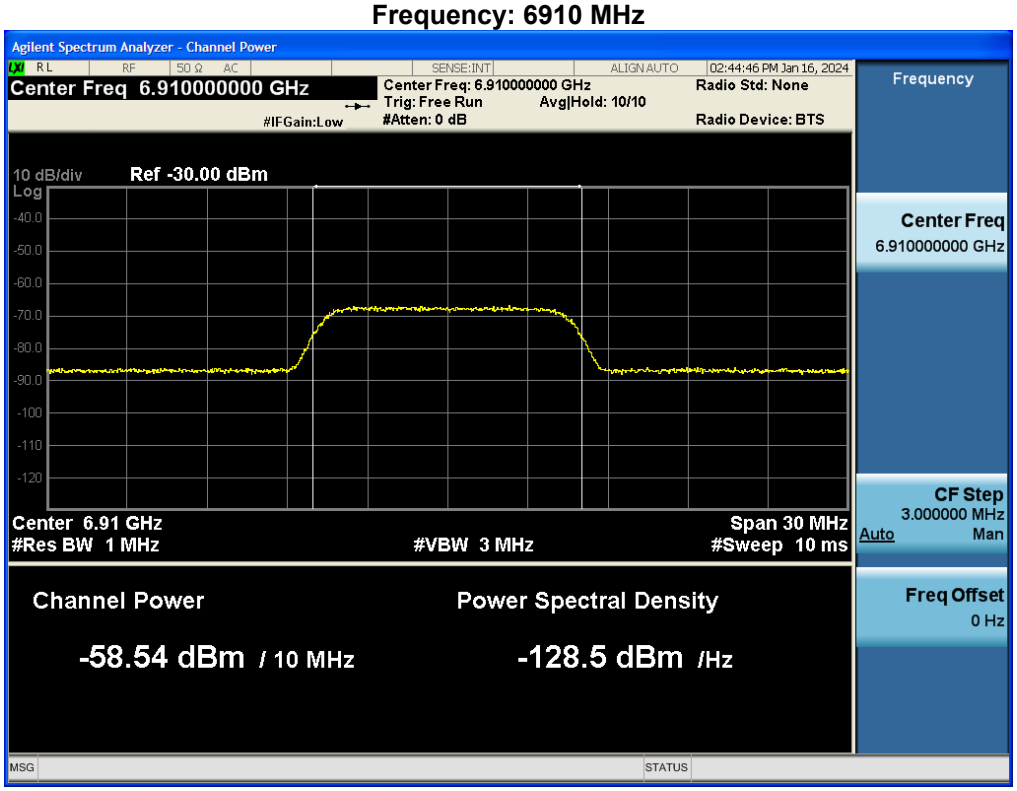
Frequency: 6660 MHz



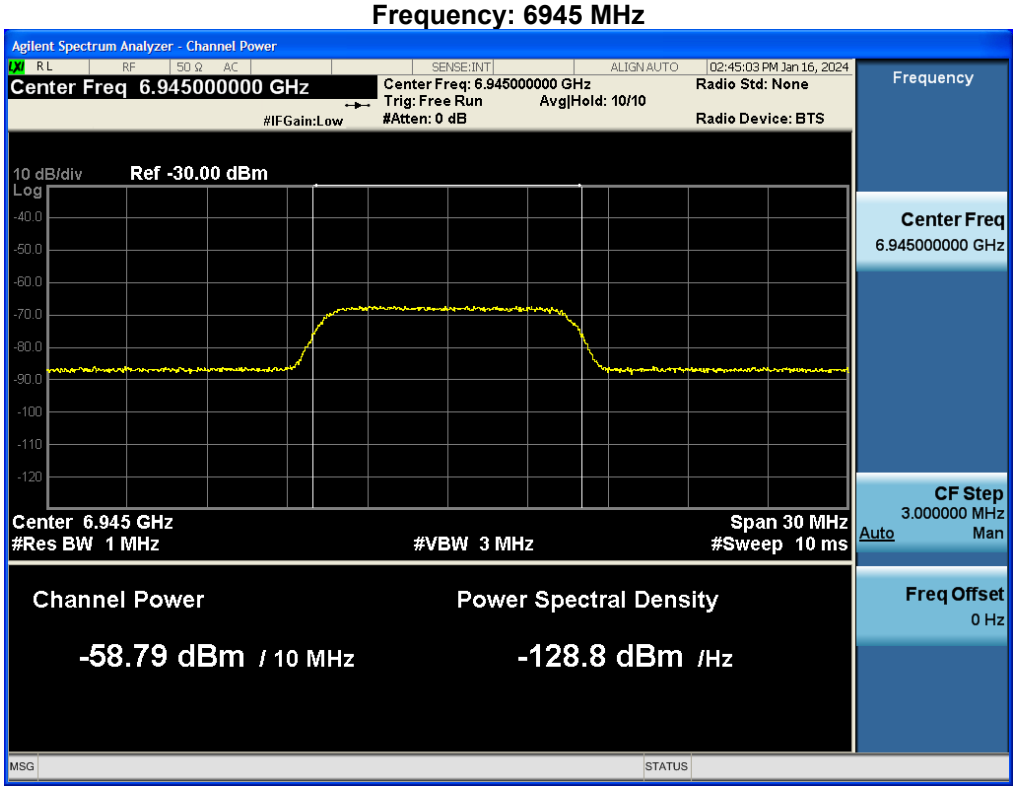
Frequency: 6895 MHz



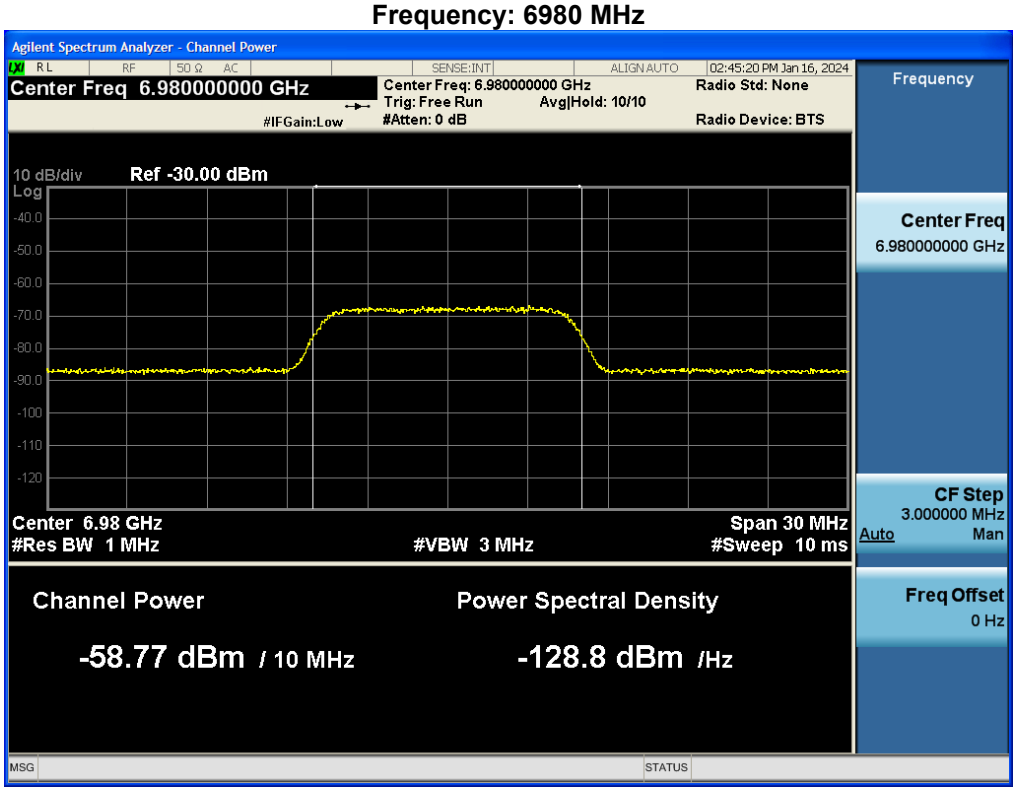
Frequency: 6910 MHz



Frequency: 6945 MHz



Frequency: 6980 MHz



Detection power level

UNII Band	5		
Channel Number	45		
Bandwidth (MHz)	20		
EUT Frequency (MHz)	6175		
AWGN Frequency (MHz)	6175		
AWGN Power (dBm)	-70.82	-74.24	-80
Antenna Gain (dBi)	3.48		
Path Loss (dB)	0.2		
Adjusted Power (dBm)	-74.1	-77.52	-83.28
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)	-66.62	-72.23	-80
Antenna Gain (dBi)	3.48		
Path Loss (dB)	0.2		
Adjusted Power (dBm)	-69.9	-75.51	-83.28
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)	6145		
AWGN Power (dBm)	-65.62	-71.23	-80
Antenna Gain (dBi)	3.48		
Path Loss (dB)	0.2		
Adjusted Power (dBm)	-68.9	-74.51	-83.28
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)	6180		
AWGN Power (dBm)	-68.52	-72.97	-80
Antenna Gain (dBi)	3.48		
Path Loss (dB)	0.2		
Adjusted Power (dBm)	-71.8	-76.25	-83.28
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	6		
Channel Number	105		
Bandwidth (MHz)	20		
EUT Frequency (MHz)	6475		
AWGN Frequency (MHz)	6475		
AWGN Power (dBm)	-73.82	-76.97	-80
Antenna Gain (dBi)	3.48		
Path Loss (dB)	0.2		
Adjusted Power (dBm)	-77.1	-80.25	-83.28
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	6		
Channel Number	103		
Bandwidth (MHz)	80		
EUT Frequency (MHz)	6465		
AWGN Frequency (MHz)	6430		
AWGN Power (dBm)	-66.52	-69.37	-80
Antenna Gain (dBi)	3.48		
Path Loss (dB)	0.2		
Adjusted Power (dBm)	-69.8	-72.65	-83.28
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	6		
Channel Number	103		
Bandwidth (MHz)	80		
EUT Frequency (MHz)	6465		
AWGN Frequency (MHz)	6465		
AWGN Power (dBm)	-64.32	-68.32	-80
Antenna Gain (dBi)	3.48		
Path Loss (dB)	0.2		
Adjusted Power (dBm)	-67.6	-71.6	-83.28
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	6		
Channel Number	103		
Bandwidth (MHz)	80		
EUT Frequency (MHz)	6465		
AWGN Frequency (MHz)	6500		
AWGN Power (dBm)	-68.62	-72.34	-80
Antenna Gain (dBi)	3.48		
Path Loss (dB)	0.2		
Adjusted Power (dBm)	-71.9	-75.62	-83.28
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	7		
Channel Number	145		
Bandwidth (MHz)	20		
EUT Frequency (MHz)	6675		
AWGN Frequency (MHz)	6675		
AWGN Power (dBm)	-70.78	-73.27	-80
Antenna Gain (dBi)	3.48		
Path Loss (dB)	0.2		
Adjusted Power (dBm)	-74.06	-76.55	-83.28
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	7		
Channel Number	135		
Bandwidth (MHz)	80		
EUT Frequency (MHz)	6625		
AWGN Frequency (MHz)	6590		
AWGN Power (dBm)	-66.82	-71.27	-80
Antenna Gain (dBi)	3.48		
Path Loss (dB)	0.2		
Adjusted Power (dBm)	-70.1	-74.55	-83.28
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	7		
Channel Number	135		
Bandwidth (MHz)	80		
EUT Frequency (MHz)	6625		
AWGN Frequency (MHz)	6625		
AWGN Power (dBm)	-64.02	-71.05	-80
Antenna Gain (dBi)	3.48		
Path Loss (dB)	0.2		
Adjusted Power (dBm)	-67.3	-74.33	-83.28
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	7		
Channel Number	135		
Bandwidth (MHz)	80		
EUT Frequency (MHz)	6625		
AWGN Frequency (MHz)	6660		
AWGN Power (dBm)	-67.92	-71.84	-80
Antenna Gain (dBi)	3.48		
Path Loss (dB)	0.2		
Adjusted Power (dBm)	-71.2	-75.12	-83.28
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)	-71.48	-72.85	-80
Antenna Gain (dBi)	3.48		
Path Loss (dB)	0.2		
Adjusted Power (dBm)	-74.76	-76.13	-83.28
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	8		
Channel Number	199		
Bandwidth (MHz)	80		
EUT Frequency (MHz)	6945		
AWGN Frequency (MHz)	6910		
AWGN Power (dBm)	-67.12	-71.05	-80
Antenna Gain (dBi)	3.48		
Path Loss (dB)	0.2		
Adjusted Power (dBm)	-70.4	-74.33	-83.28
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	8		
Channel Number	199		
Bandwidth (MHz)	80		
EUT Frequency (MHz)	6945		
AWGN Frequency (MHz)	6945		
AWGN Power (dBm)	-66.02	-71.08	-80
Antenna Gain (dBi)	3.48		
Path Loss (dB)	0.2		
Adjusted Power (dBm)	-69.3	-74.36	-83.28
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	8		
Channel Number	199		
Bandwidth (MHz)	80		
EUT Frequency (MHz)	6945		
AWGN Frequency (MHz)	6980		
AWGN Power (dBm)	-70.22	-74.34	-80
Antenna Gain (dBi)	3.48		
Path Loss (dB)	0.2		
Adjusted Power (dBm)	-73.5	-77.62	-83.28
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

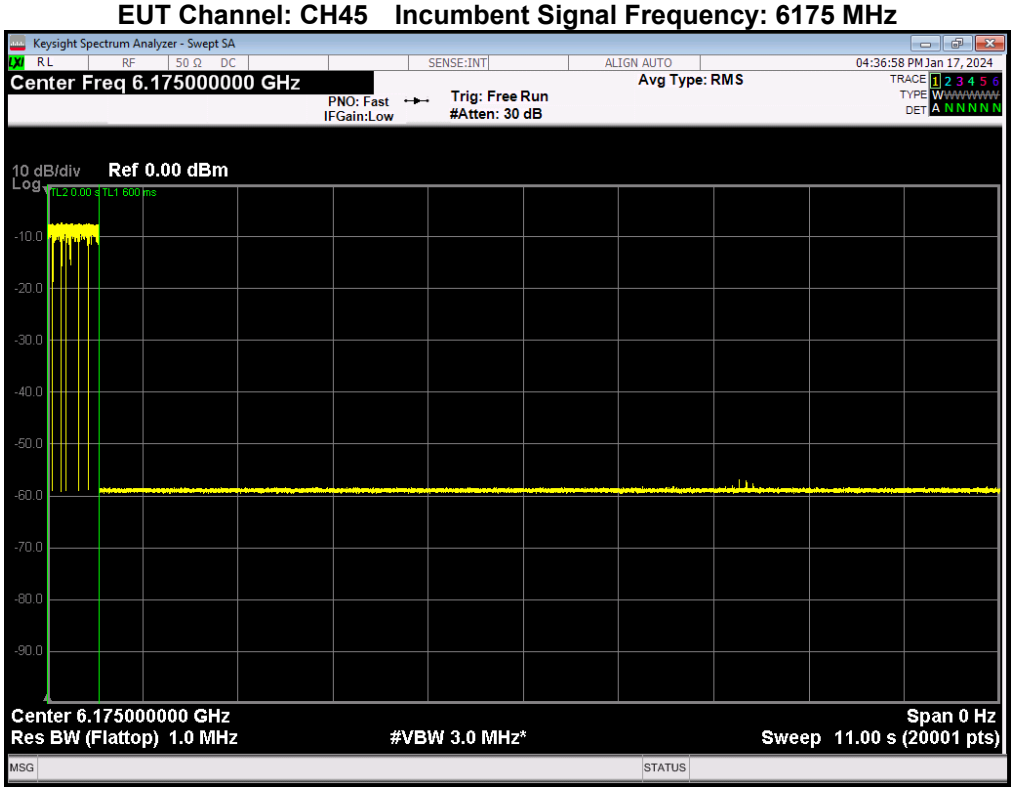
Note:
The AWGN level is reported for the following conditions:
- OFF = AWGN level at which no transmission is detected, consistently for a minimum period of 10 seconds.
- Minimal: AWGN level at which the system begins to trigger the transmission switch -off, albeit not being kept off consistently.
-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

Detection probability

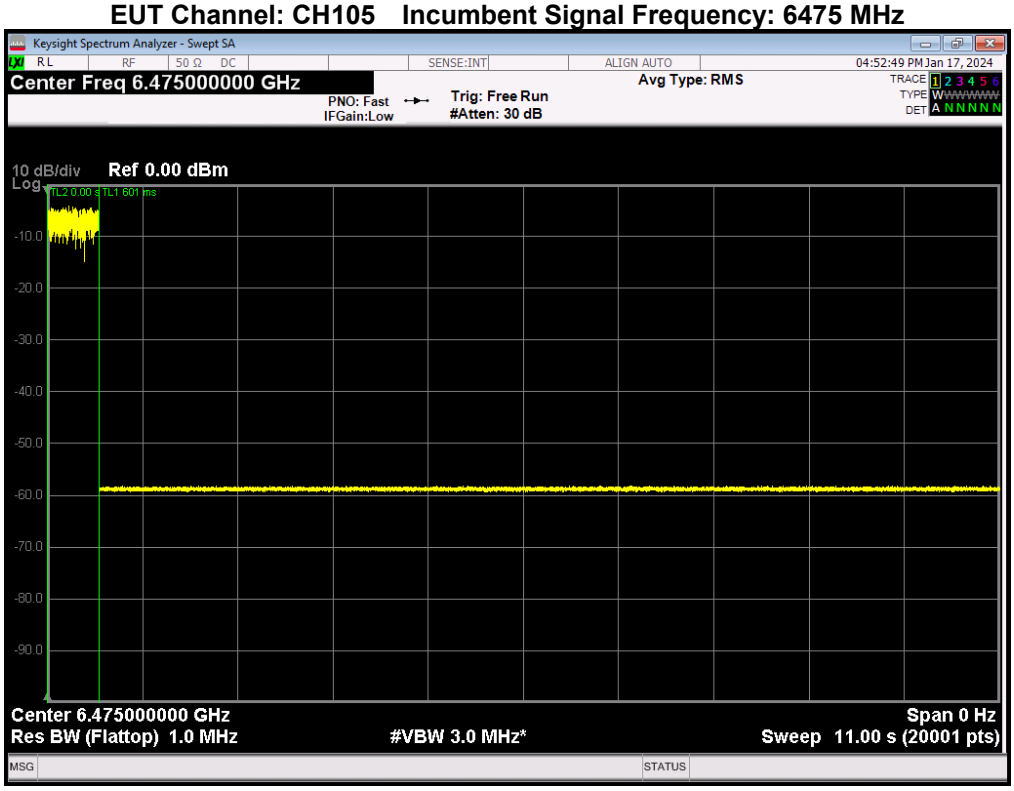
Bands	Test Mode	Bandwidth (MHz)	Channel	Frequency (MHz)	interference Frequency (MHz)	Number of Times	Number of Detected	Detection Probability	Detection Probability Limit	Test Result
UNII-5	802.11ax	20	45	6175	6175	10	9	90%	90%	PASS
	802.11ax	80	39	6145	6110	10	9	90%	90%	PASS
					6145	10	10	100%	90%	PASS
					6180	10	10	100%	90%	PASS
UNII-6	802.11ax	20	105	6475	6475	10	10	100%	90%	PASS
	802.11ax	80	103	6465	6430	10	10	100%	90%	PASS
					6465	10	10	100%	90%	PASS
					6500	10	10	100%	90%	PASS
UNII-7	802.11ax	20	145	6675	6675	10	9	90%	90%	PASS
	802.11ax	80	135	6625	6590	10	10	100%	90%	PASS
					6625	10	10	100%	90%	PASS
					6660	10	10	100%	90%	PASS
UNII-8	802.11ax	20	189	6895	6895	10	10	100%	90%	PASS
	802.11ax	80	199	6945	6910	10	10	100%	90%	PASS
					6945	10	9	90%	90%	PASS
					6980	10	10	100%	90%	PASS

Contention-Based Protocol

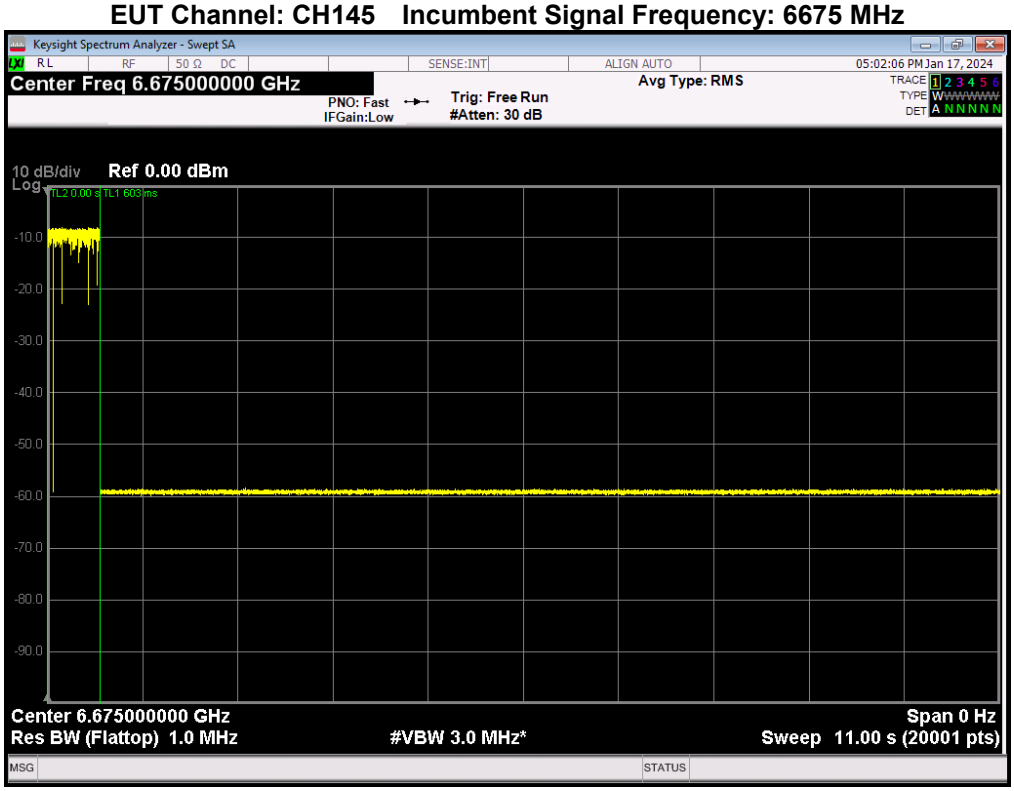
EUT Channel: CH45 Incumbent Signal Frequency: 6175 MHz



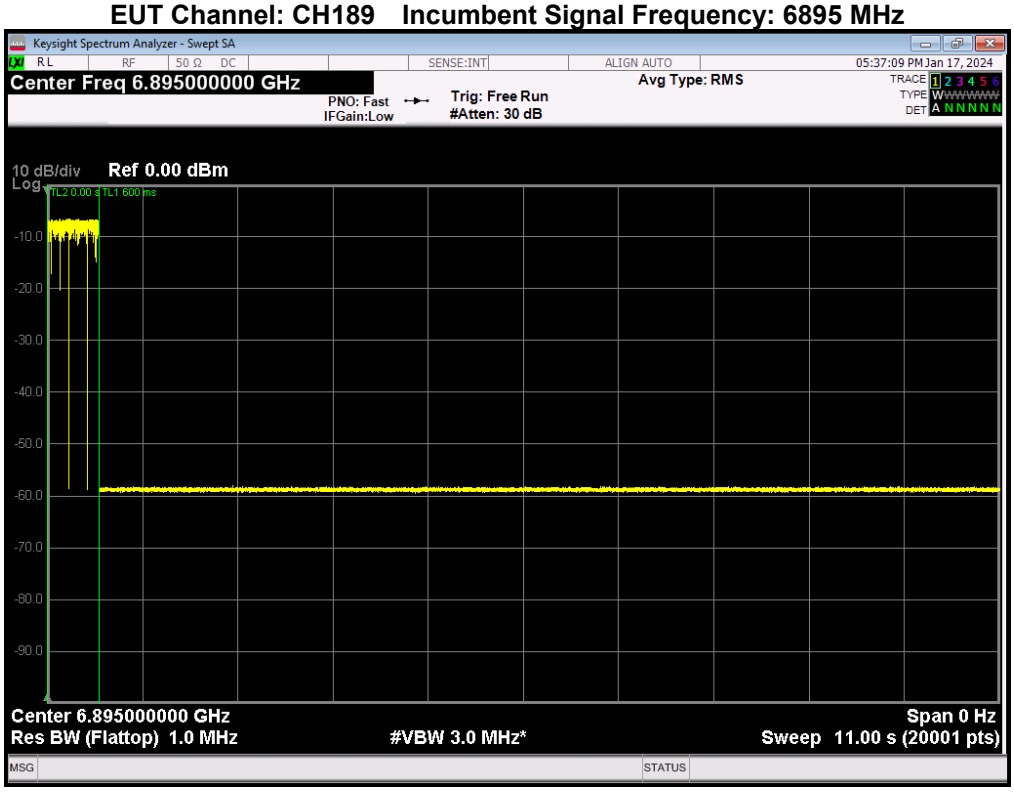
EUT Channel: CH105 Incumbent Signal Frequency: 6475 MHz



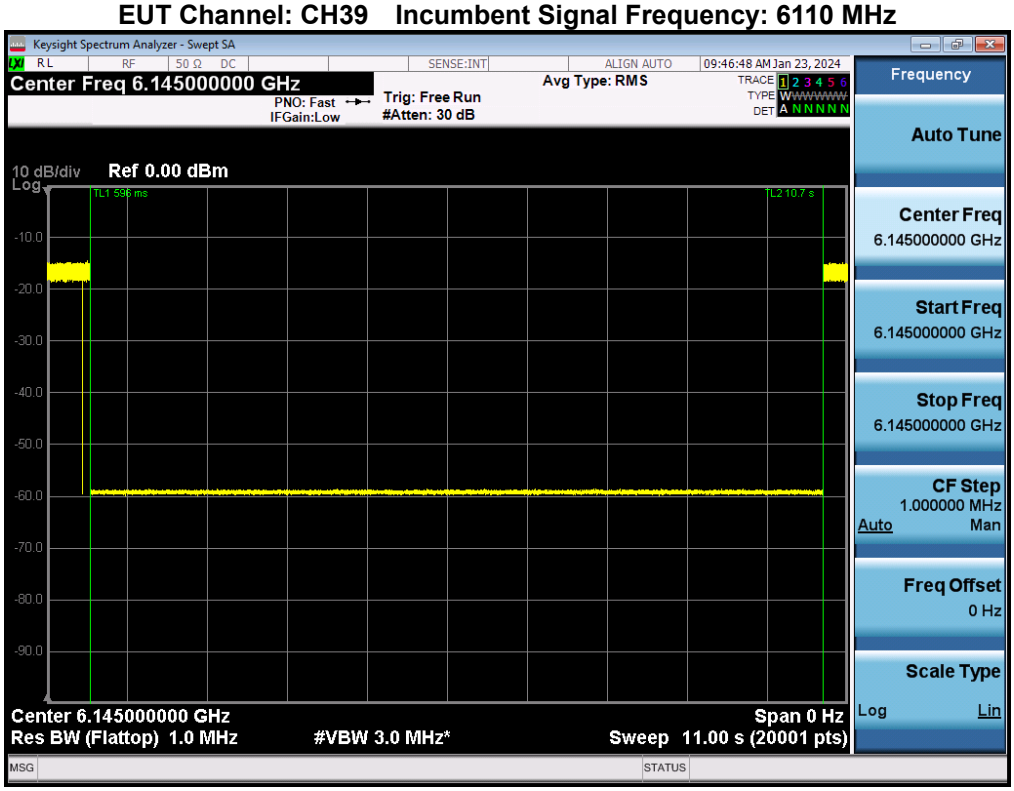
EUT Channel: CH145 Incumbent Signal Frequency: 6675 MHz



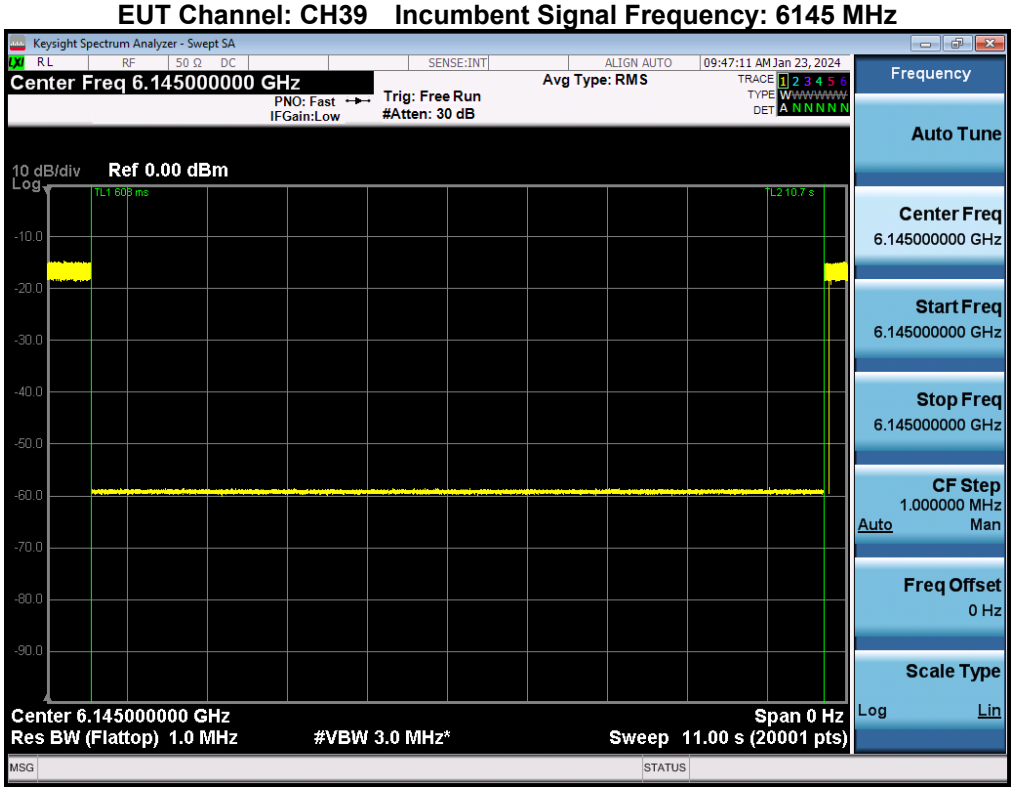
EUT Channel: CH189 Incumbent Signal Frequency: 6895 MHz



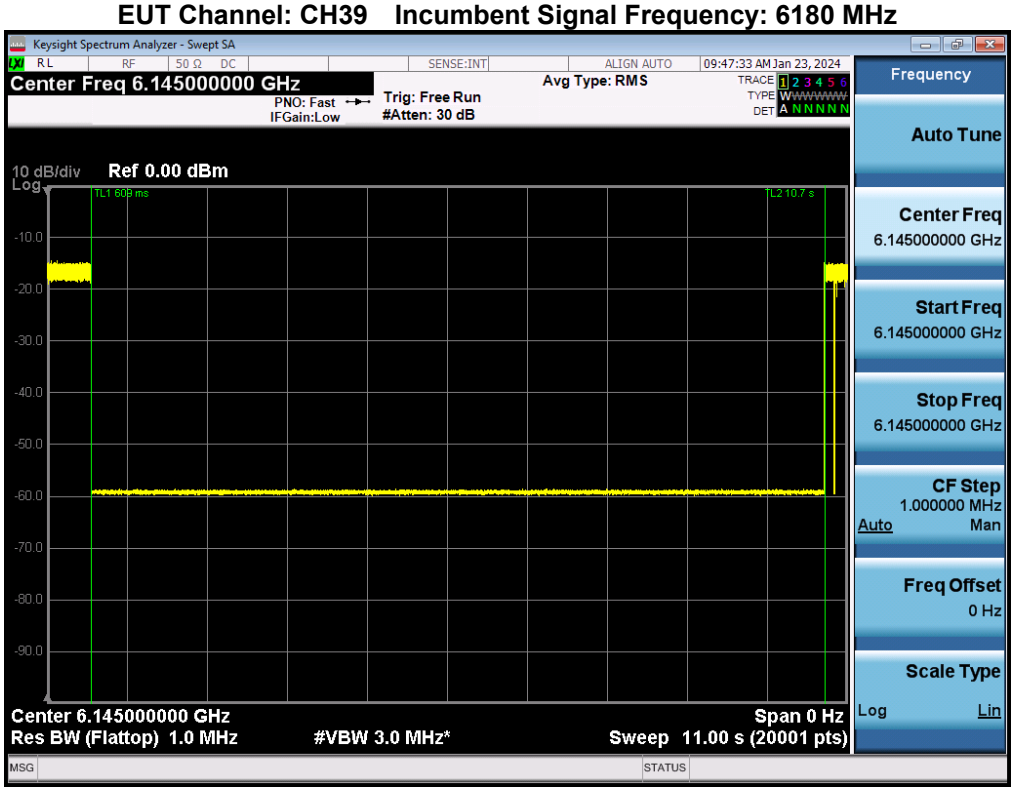
EUT Channel: CH39 Incumbent Signal Frequency: 6110 MHz



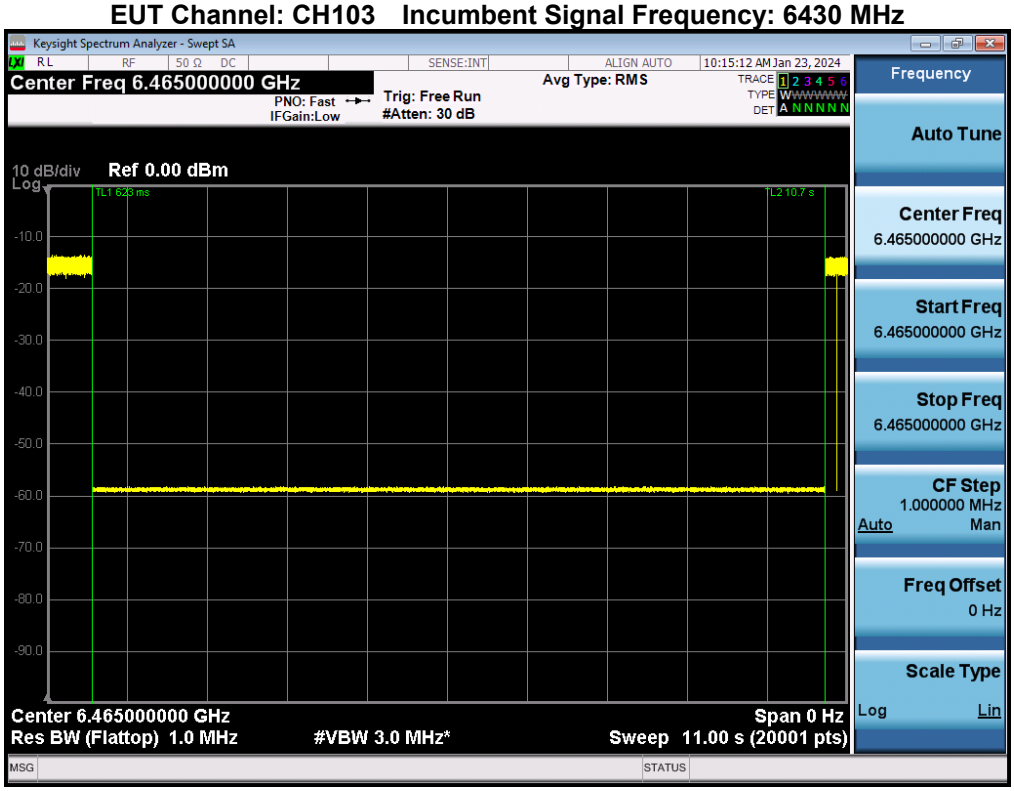
EUT Channel: CH39 Incumbent Signal Frequency: 6145 MHz



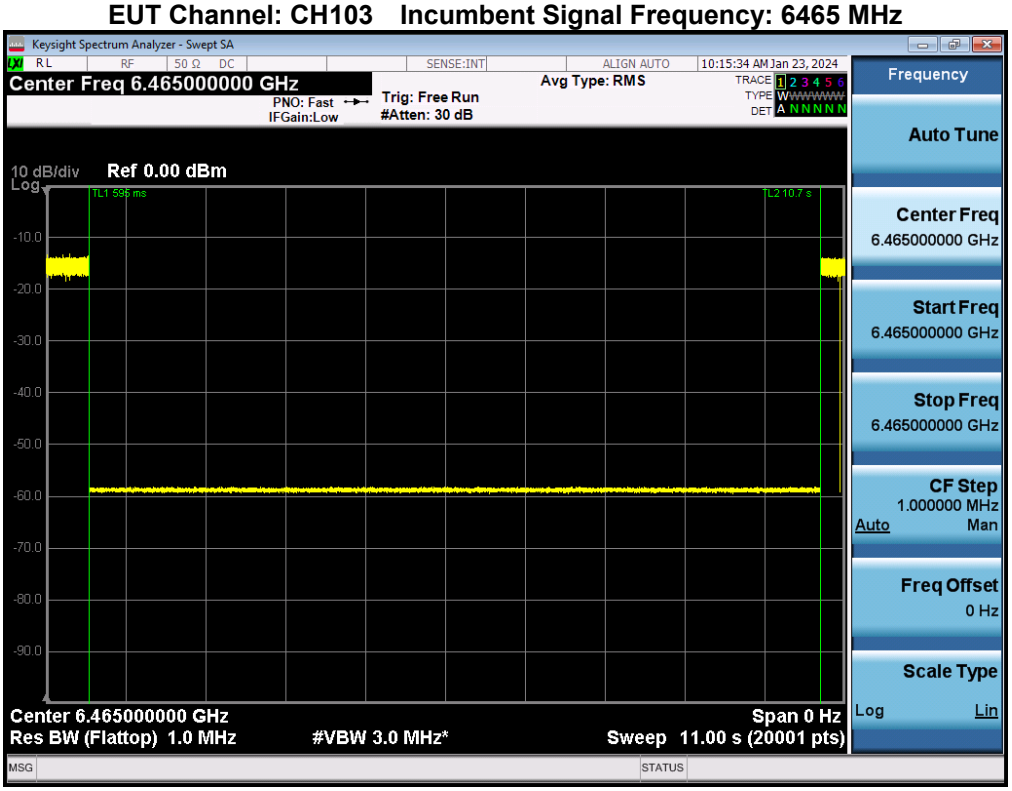
EUT Channel: CH39 Incumbent Signal Frequency: 6180 MHz



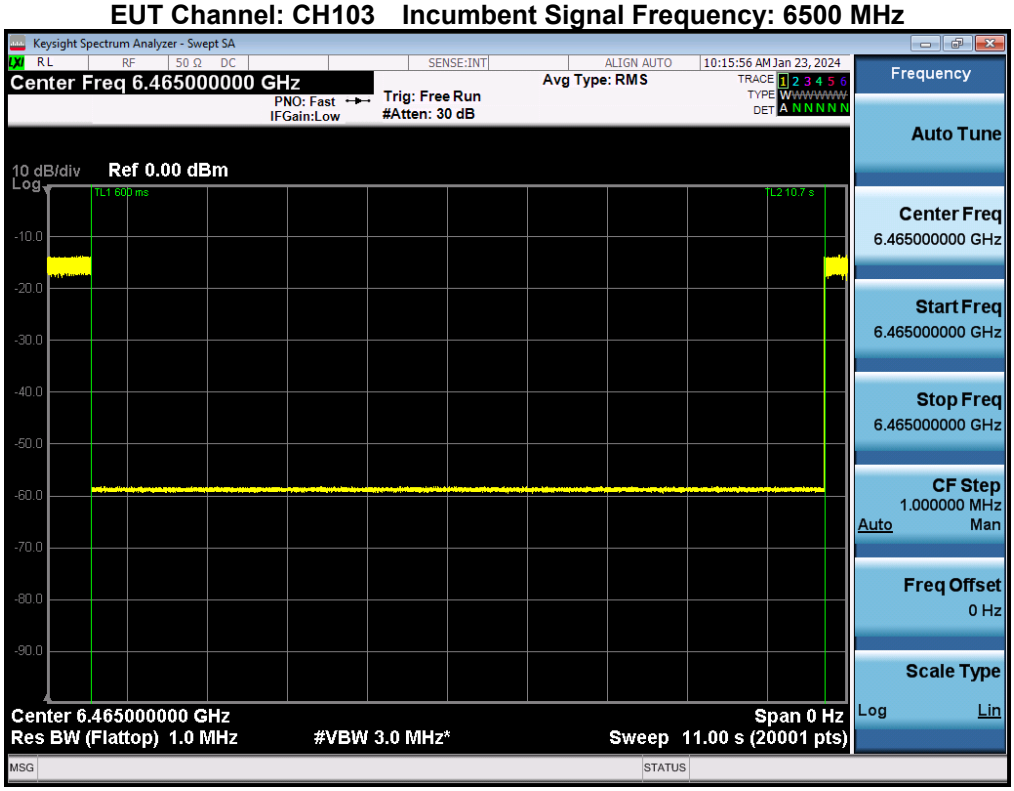
EUT Channel: CH103 Incumbent Signal Frequency: 6430 MHz



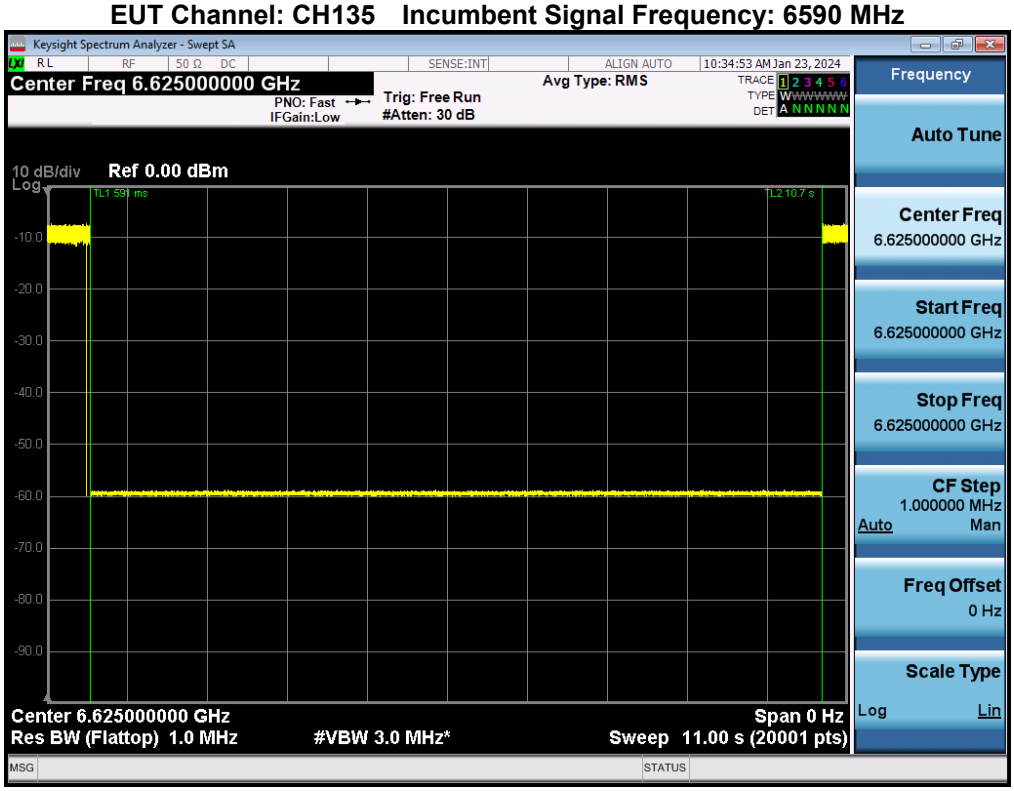
EUT Channel: CH103 Incumbent Signal Frequency: 6465 MHz



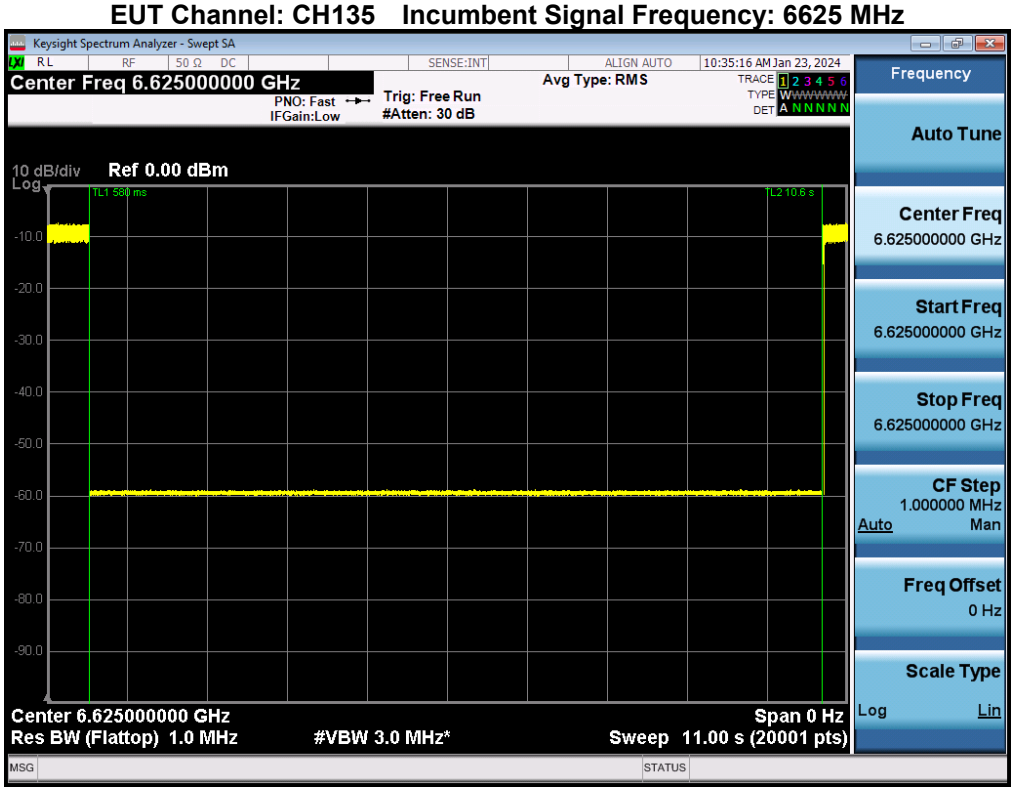
EUT Channel: CH103 Incumbent Signal Frequency: 6500 MHz



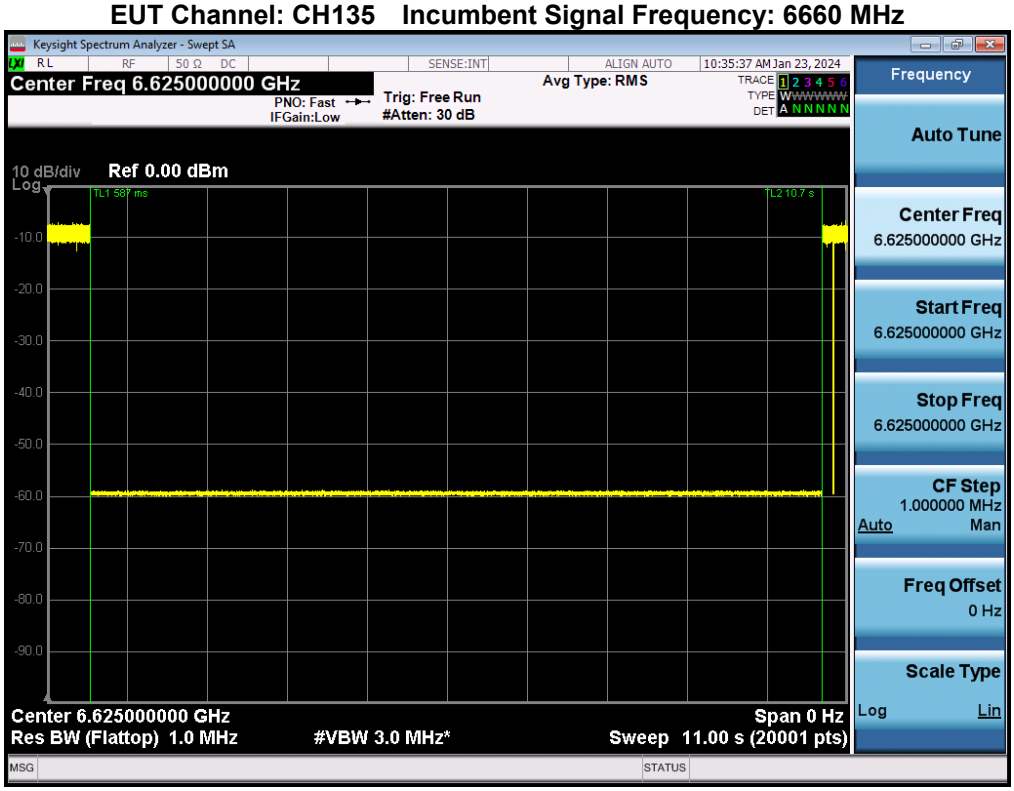
EUT Channel: CH135 Incumbent Signal Frequency: 6590 MHz



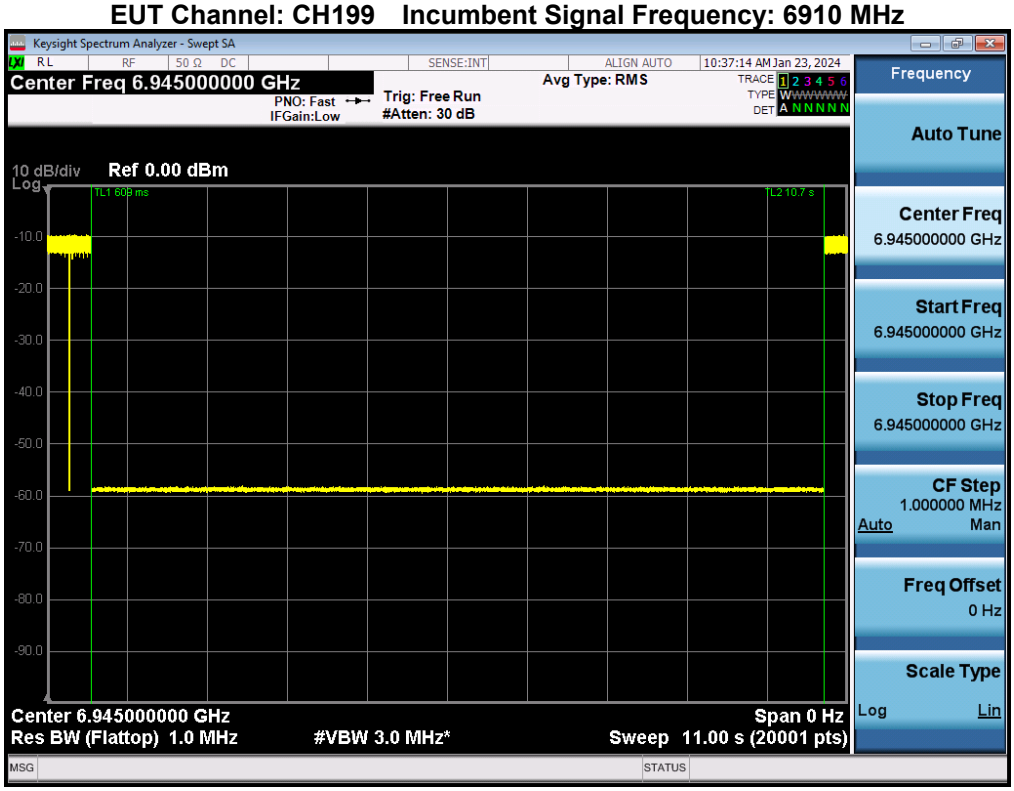
EUT Channel: CH135 Incumbent Signal Frequency: 6625 MHz



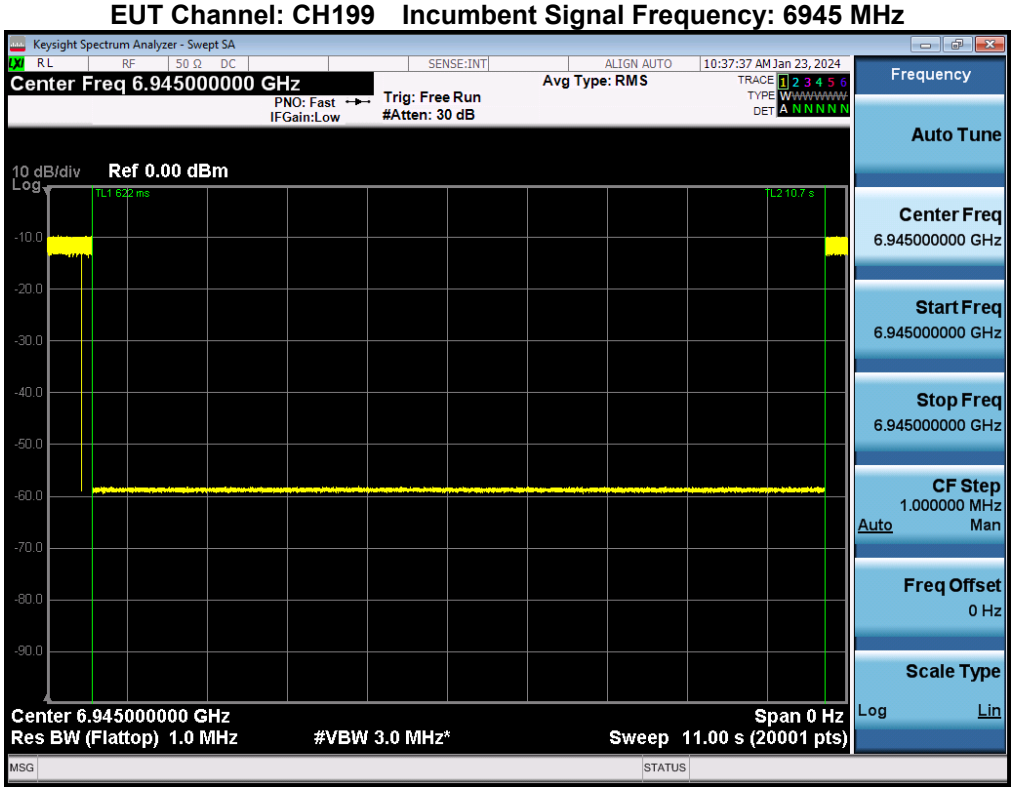
EUT Channel: CH135 Incumbent Signal Frequency: 6660 MHz



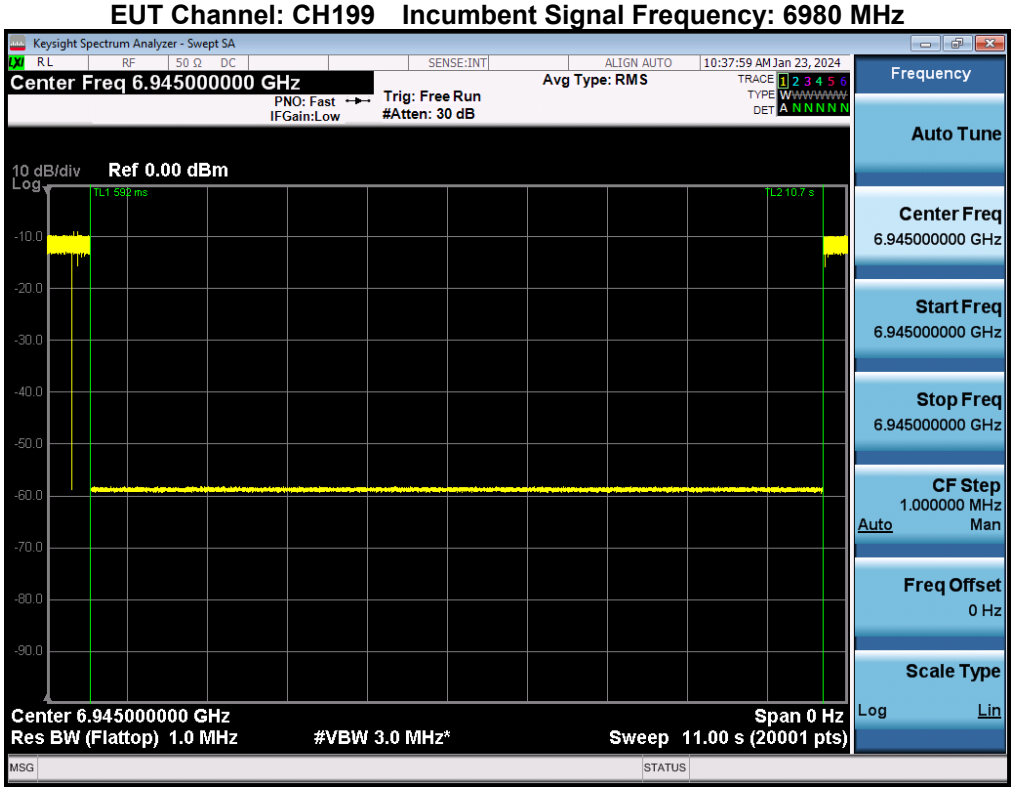
EUT Channel: CH199 Incumbent Signal Frequency: 6910 MHz



EUT Channel: CH199 Incumbent Signal Frequency: 6945 MHz



EUT Channel: CH199 Incumbent Signal Frequency: 6980 MHz



APPENDIX J - FREQUENCY STABILITY

Test Mode	UNII-5

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	5955.0000
5.75	5954.9564
5	5954.9546
4.25	5954.9576
Maximum Deviation (MHz)	-0.0540
Maximum Deviation (ppm)	-7.62

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	5955.0000
-10	5954.9520
0	5954.9524
10	5954.9530
20	5954.9538
30	5954.9552
40	5954.9568
50	5954.9578
55	5954.9580
Maximum Deviation (MHz)	-0.0480
Maximum Deviation (ppm)	-8.06

End of Test Report