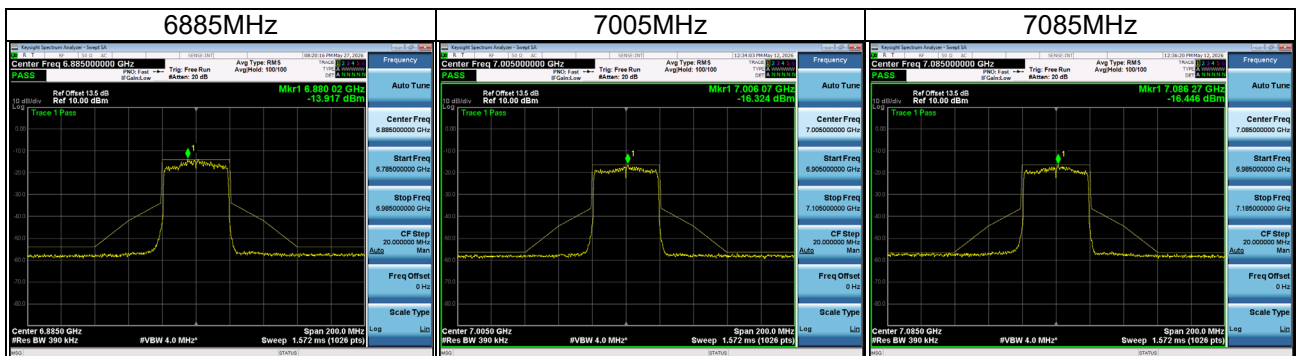
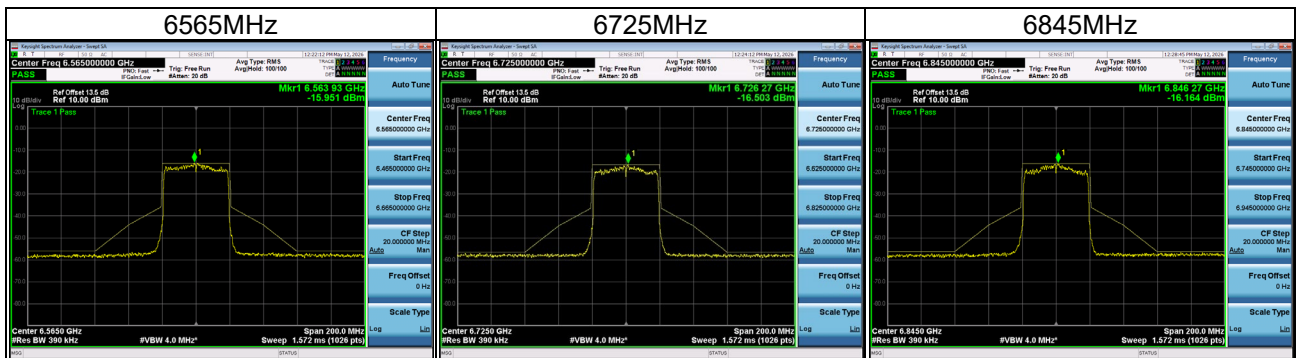
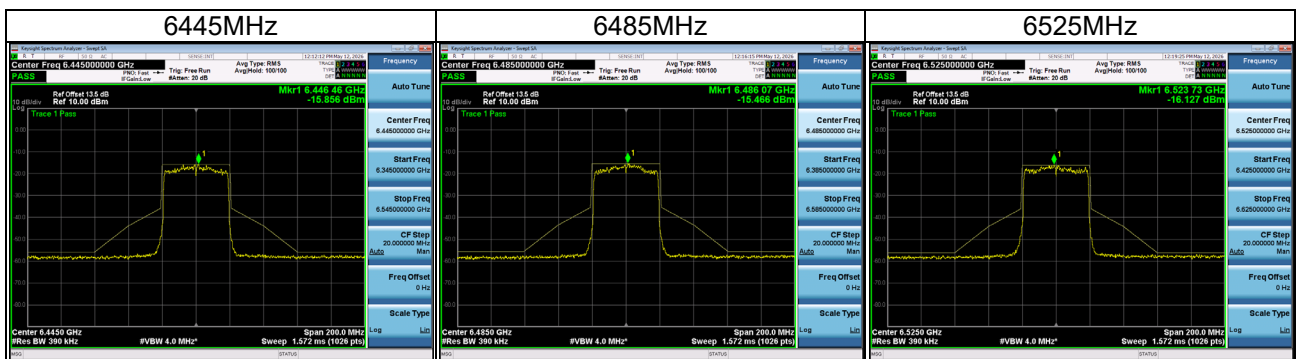
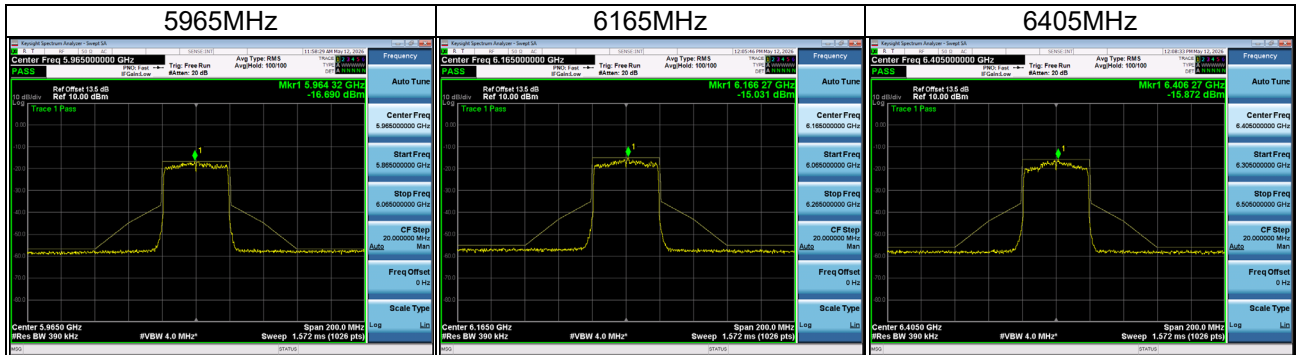


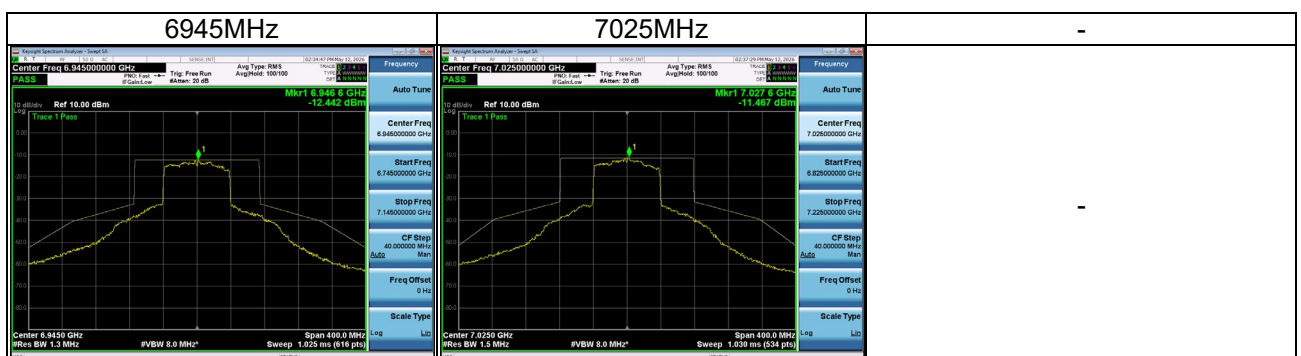
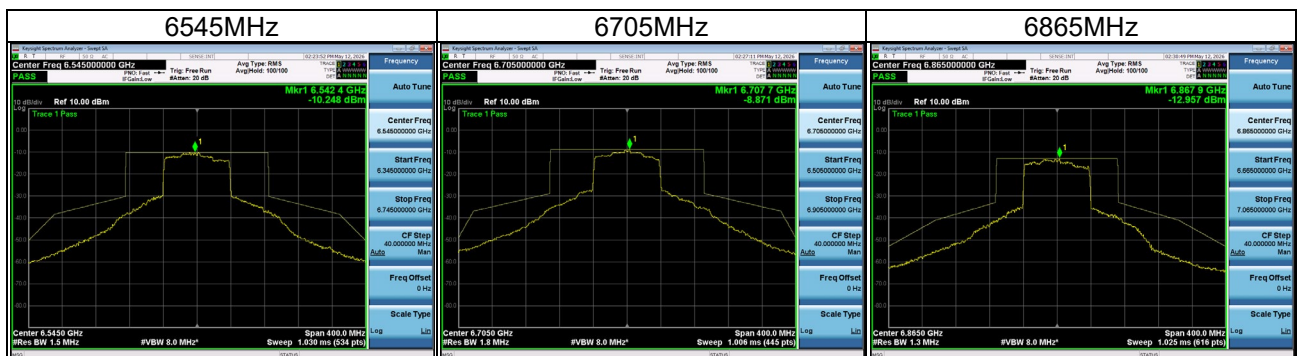
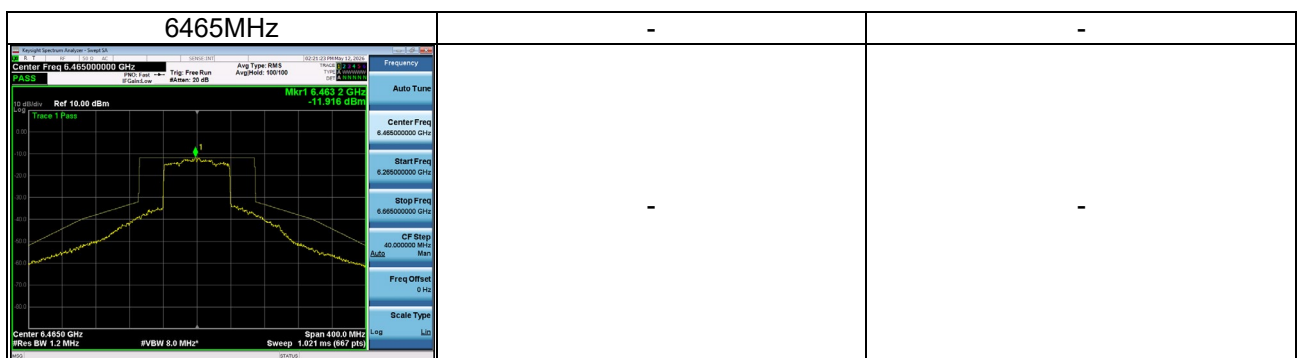
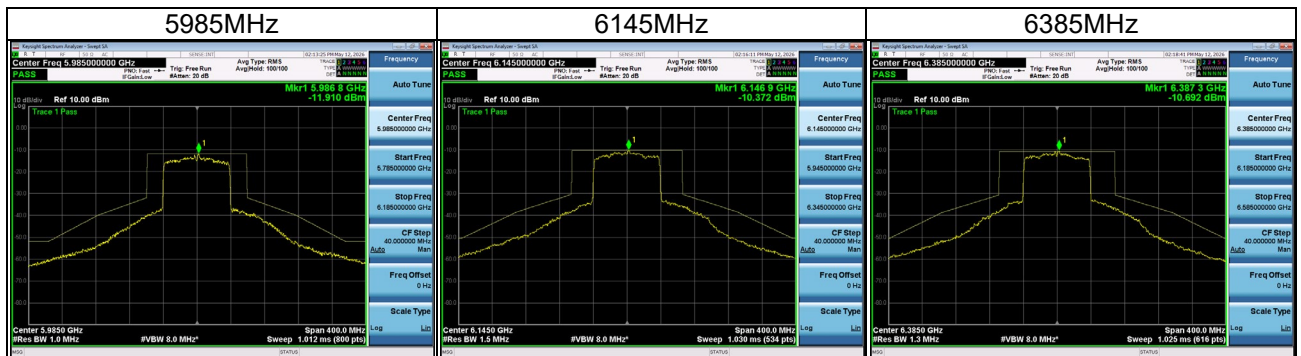
Test Mode IEEE 802.11ax(HE40)_Ant_1



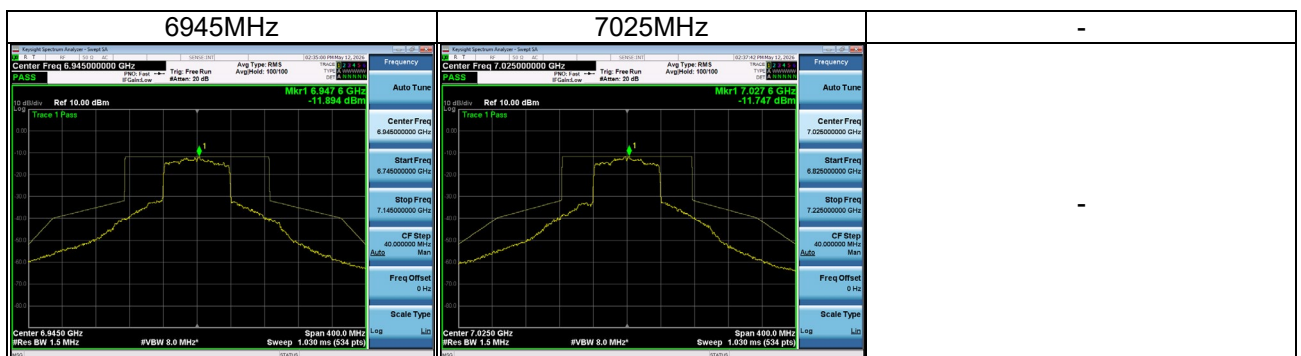
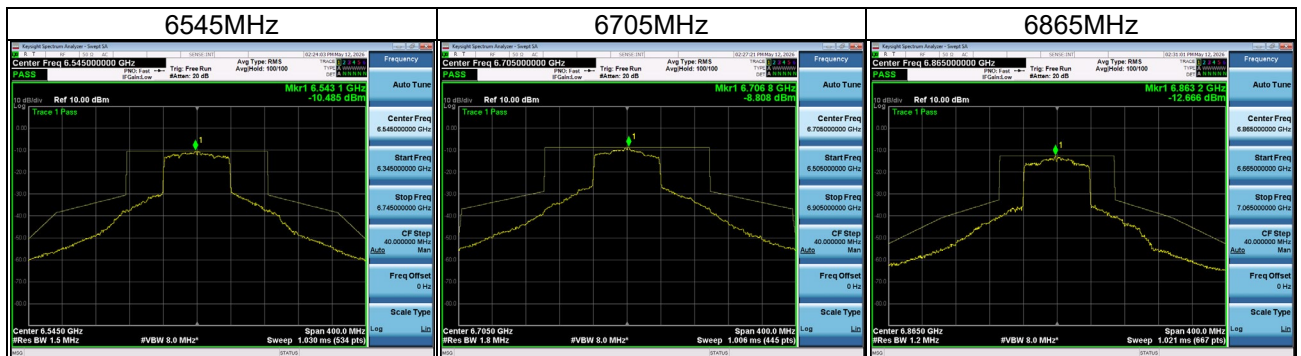
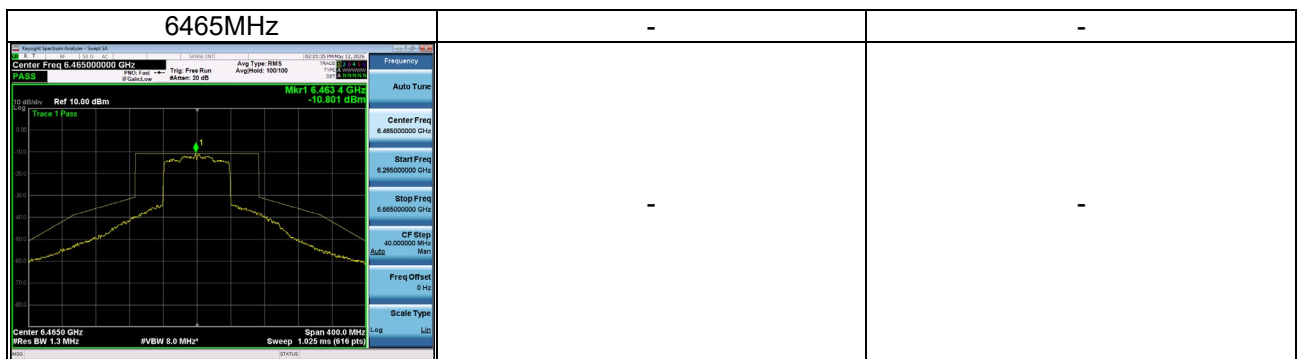
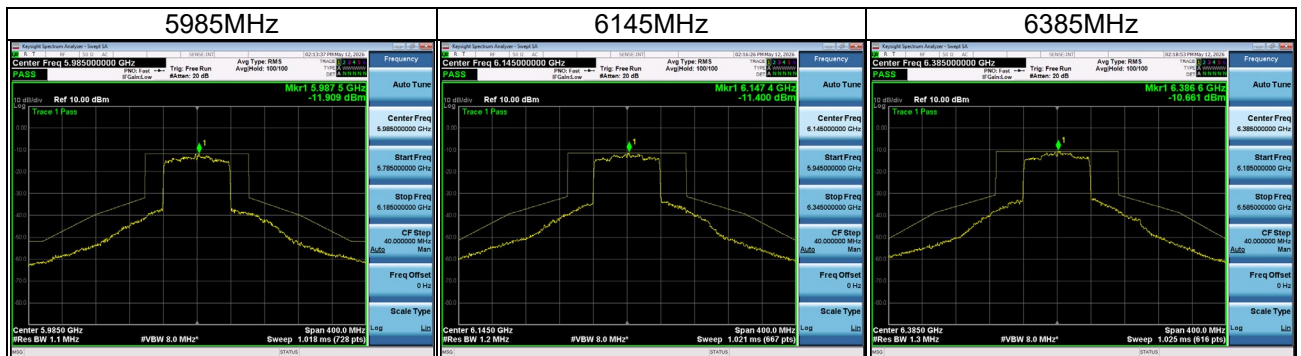
Test Mode IEEE 802.11ax(HE40)_Ant_2



Test Mode IEEE 802.11ax(HE80)_Ant_1



Test Mode IEEE 802.11ax(HE80)_Ant_2

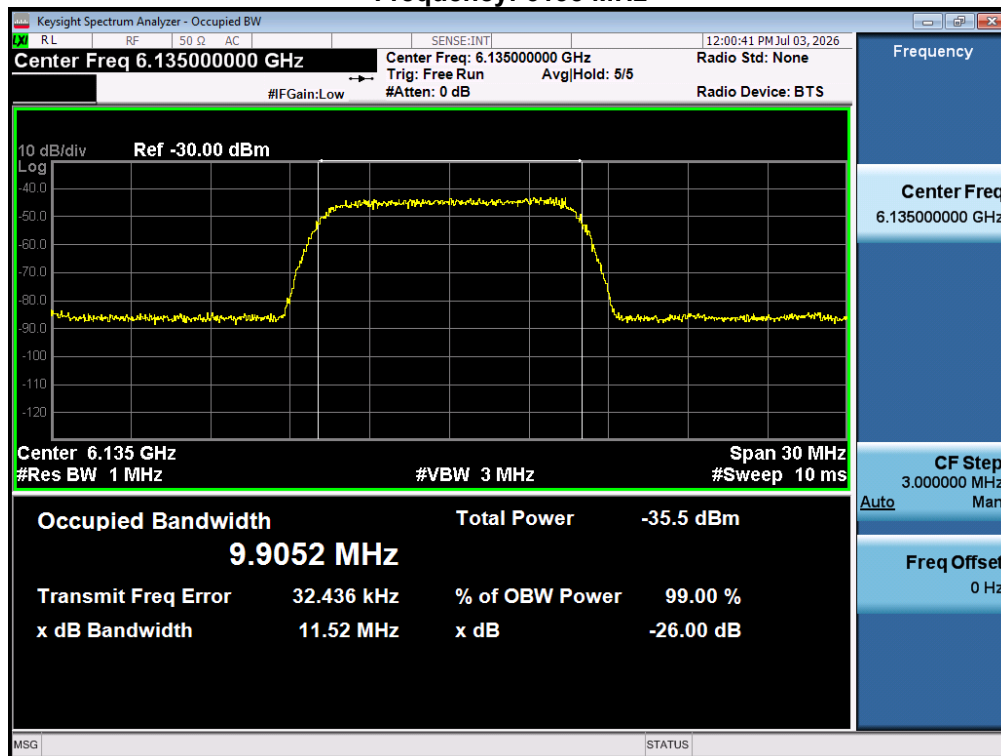


APPENDIX I - CONTENTION BASED PROTOCOL

Incumbent Signal (AWGN) Frequency: 6135 MHz



Frequency: 6135 MHz



Note: Antenna gain is included.

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	37	6135	6135	10	10	100%	90%	PASS
					6190	10	10	100%	90%	PASS
	802.11ax	80	55	6225	6225	10	9	90%	90%	PASS
					6260	10	9	90%	90%	PASS
UNII-6	802.11ax	20	101	6455	6455	10	10	100%	90%	PASS
					6430	10	10	100%	90%	PASS
	802.11ax	80	103	6465	6465	10	10	100%	90%	PASS
					6500	10	9	90%	90%	PASS
UNII-7	802.11ax	20	149	6695	6695	10	10	100%	90%	PASS
					6670	10	10	100%	90%	PASS
	802.11ax	80	151	6705	6705	10	10	100%	90%	PASS
					6740	10	9	90%	90%	PASS
UNII-8	802.11ax	20	213	7015	7015	10	10	100%	90%	PASS
					6990	10	10	100%	90%	PASS
	802.11ax	80	215	7025	7025	10	10	100%	90%	PASS
					7060	10	9	90%	90%	PASS

Detection power level

UNII Band	5		
Channel Number	37		
Bandwidth (MHz)	20		
EUT Frequency (MHz)	6135		
AWGN Frequency (MHz)	6135		
AWGN Power (dBm)	-69.53	-74.11	-80.00
Antenna Gain (dBi)	2.25		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-67.28	-71.86	-77.75
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON
UNII Band	5		
Channel Number	55		
Bandwidth (MHz)	80		
EUT Frequency (MHz)	6225		
AWGN Frequency (MHz)	6190		
AWGN Power (dBm)	-69.29	-74.45	-80.00
Antenna Gain (dBi)	2.25		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-67.04	-72.20	-77.75
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	5		
Channel Number	55		
Bandwidth (MHz)	80		
EUT Frequency (MHz)	6225		
AWGN Frequency (MHz)	6225		
AWGN Power (dBm)	-69.24	-74.39	-80.00
Antenna Gain (dBi)	2.25		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-66.99	-72.14	-77.75
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	5		
Channel Number	55		
Bandwidth (MHz)	80		
EUT Frequency (MHz)	6225		
AWGN Frequency (MHz)	6260		
AWGN Power (dBm)	-68.22	-73.50	-80.00
Antenna Gain (dBi)	2.25		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-65.97	-71.25	-77.75
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	6		
Channel Number	101		
Bandwidth (MHz)	20		
EUT Frequency (MHz)	6455		
AWGN Frequency (MHz)	6455		
AWGN Power (dBm)	-69.28	-74.32	-80.00
Antenna Gain (dBi)	2.25		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-67.03	-72.07	-77.75
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)	-69.24	-74.51	-80.00
Antenna Gain (dBi)	2.25		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-66.99	-72.26	-77.75
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)	-69.34	-74.46	-80.00
Antenna Gain (dBi)	2.25		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-67.09	-72.21	-77.75
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)	-68.23	-73.34	-80.00
Antenna Gain (dBi)	2.25		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-65.98	-71.09	-77.75
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	7		
Channel Number	149		
Bandwidth (MHz)	20		
EUT Frequency (MHz)	6695		
AWGN Frequency (MHz)	6695		
AWGN Power (dBm)	-69.28	-74.30	-80.00
Antenna Gain (dBi)	2.25		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-67.03	-72.05	-77.75
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON
UNII Band	7		
Channel Number	151		
Bandwidth (MHz)	80		
EUT Frequency (MHz)	6705		
AWGN Frequency (MHz)	6670		
AWGN Power (dBm)	-69.26	-74.41	-80.00
Antenna Gain (dBi)	2.25		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-67.01	-72.16	-77.75
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	7		
Channel Number	151		
Bandwidth (MHz)	80		
EUT Frequency (MHz)	6705		
AWGN Frequency (MHz)	6705		
AWGN Power (dBm)	-69.24	-74.25	-80.00
Antenna Gain (dBi)	2.25		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-66.99	-72.00	-77.75
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	7		
Channel Number	151		
Bandwidth (MHz)	80		
EUT Frequency (MHz)	6705		
AWGN Frequency (MHz)	6740		
AWGN Power (dBm)	-68.28	-72.30	-80.00
Antenna Gain (dBi)	2.25		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-66.03	-70.05	-77.75
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	8		
Channel Number	213		
Bandwidth (MHz)	20		
EUT Frequency (MHz)	7015		
AWGN Frequency (MHz)	7015		
AWGN Power (dBm)	-69.23	-74.45	-80.00
Antenna Gain (dBi)	2.25		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-66.98	-72.20	-77.75
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON
UNII Band	8		
Channel Number	215		
Bandwidth (MHz)	80		
EUT Frequency (MHz)	7025		
AWGN Frequency (MHz)	6990		
AWGN Power (dBm)	-69.26	-74.40	-80.00
Antenna Gain (dBi)	2.25		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-67.01	-72.15	-77.75
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

UNII Band	8		
Channel Number	215		
Bandwidth (MHz)	80		
EUT Frequency (MHz)	7025		
AWGN Frequency (MHz)	7025		
AWGN Power (dBm)	-69.28	-74.44	-80.00
Antenna Gain (dBi)	2.25		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-67.03	-72.19	-77.75
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

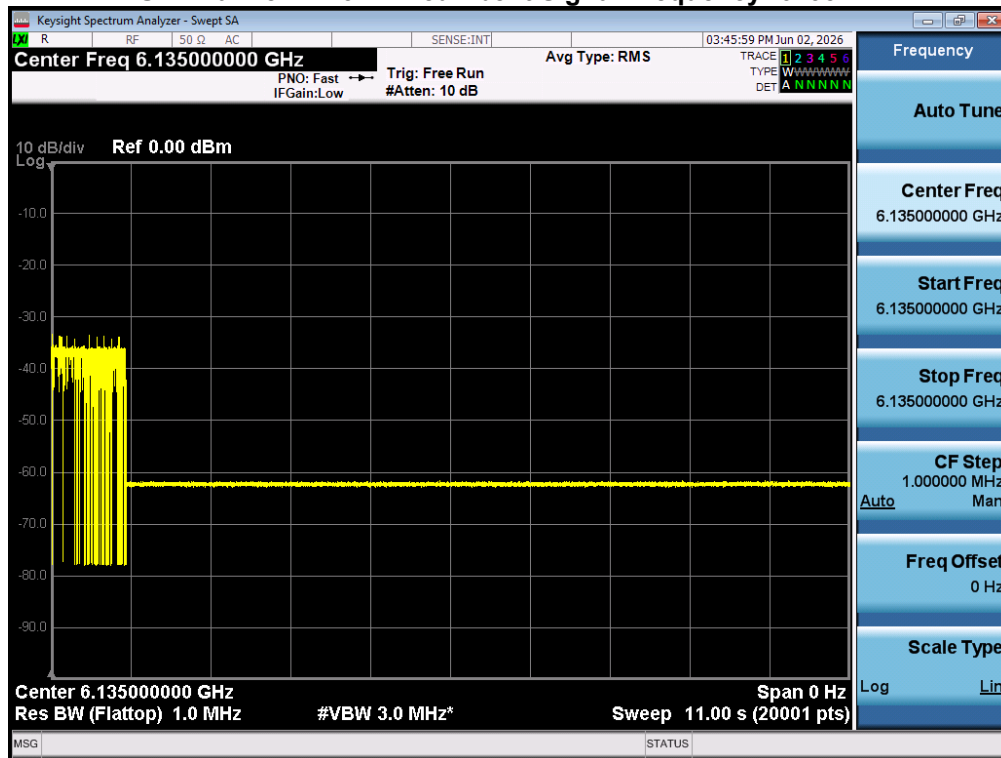
UNII Band	8		
Channel Number	215		
Bandwidth (MHz)	80		
EUT Frequency (MHz)	7025		
AWGN Frequency (MHz)	7060		
AWGN Power (dBm)	-68.29	-72.49	-80.00
Antenna Gain (dBi)	2.25		
Path Loss (dB)	0.00		
Adjusted Power (dBm)	-66.04	-70.24	-77.75
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status	OFF	Minimal	ON

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

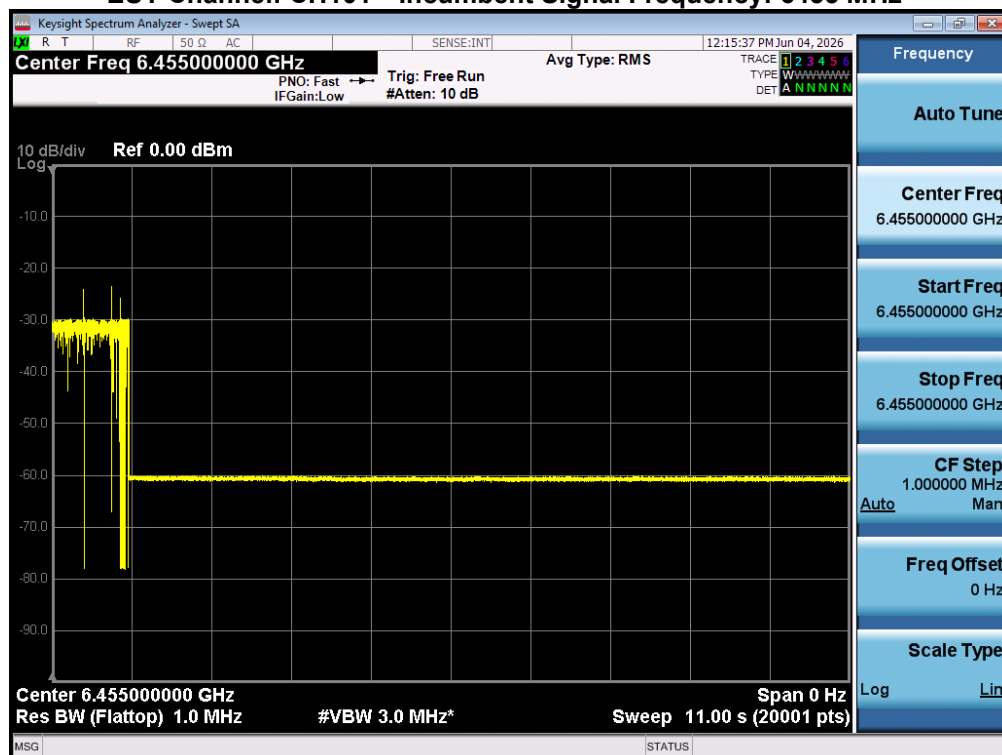
The AWGN level is reported for the following conditions:

- 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.

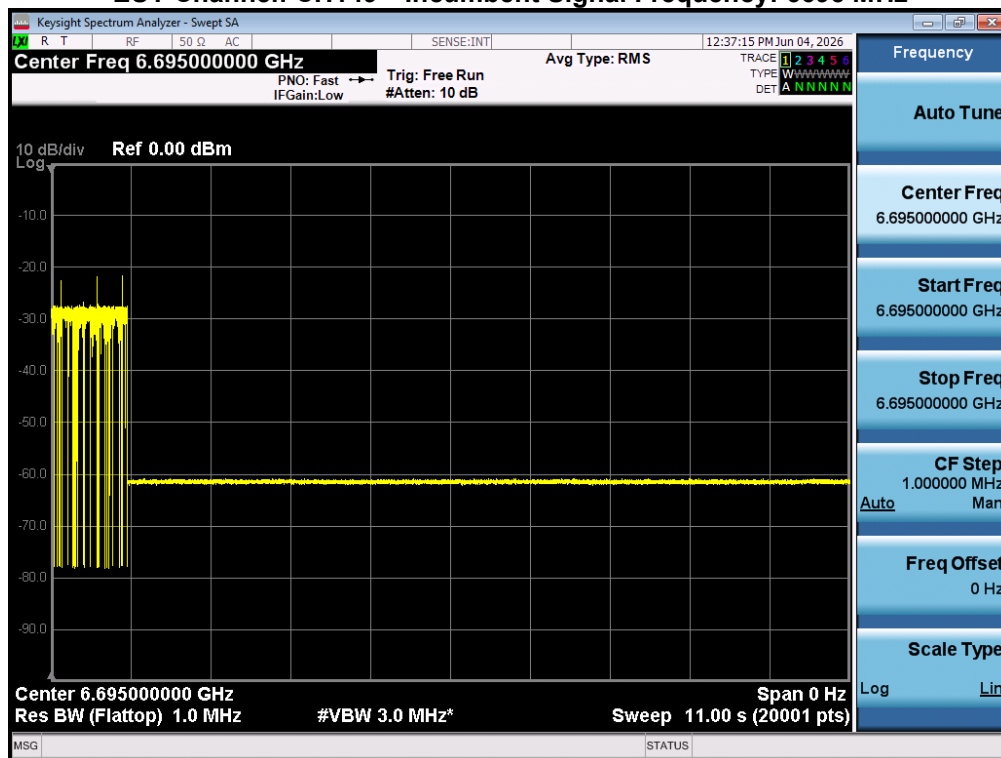
Contention-Based Protocol EUT Channel: CH37 Incumbent Signal Frequency: 6135 MHz



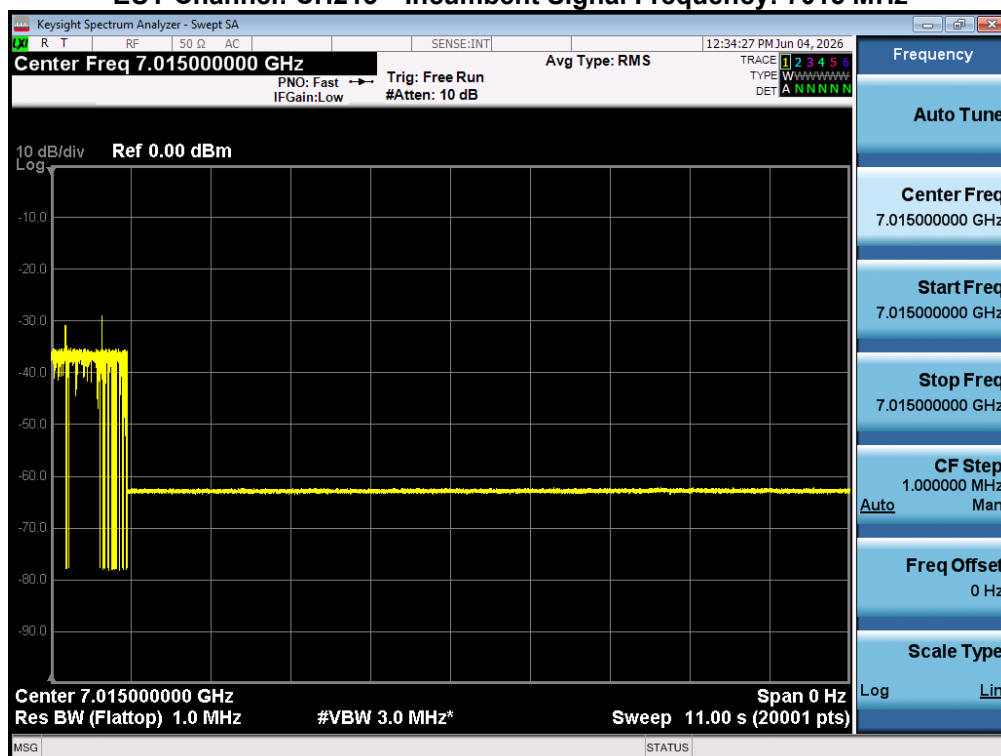
EUT Channel: CH101 Incumbent Signal Frequency: 6455 MHz



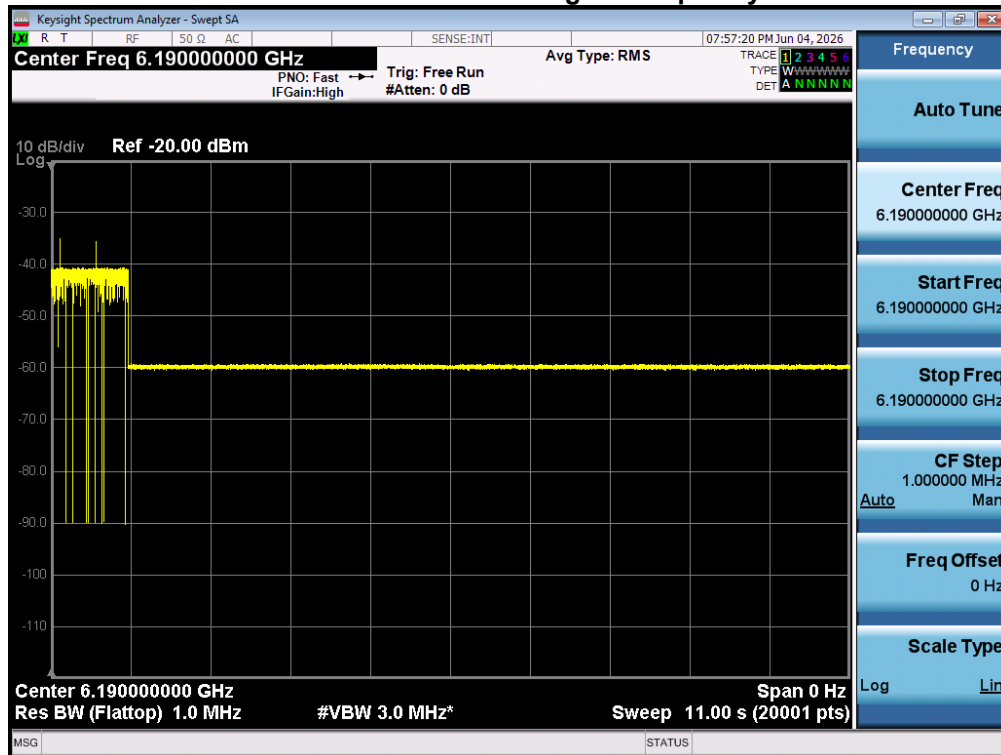
EUT Channel: CH149 Incumbent Signal Frequency: 6695 MHz



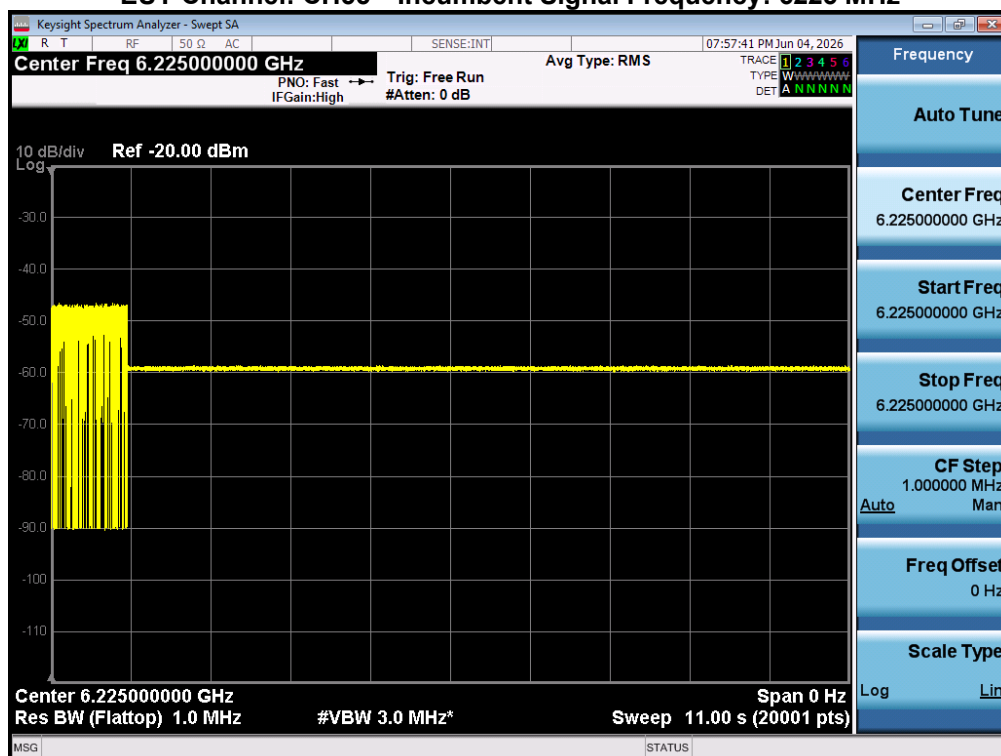
EUT Channel: CH213 Incumbent Signal Frequency: 7015 MHz



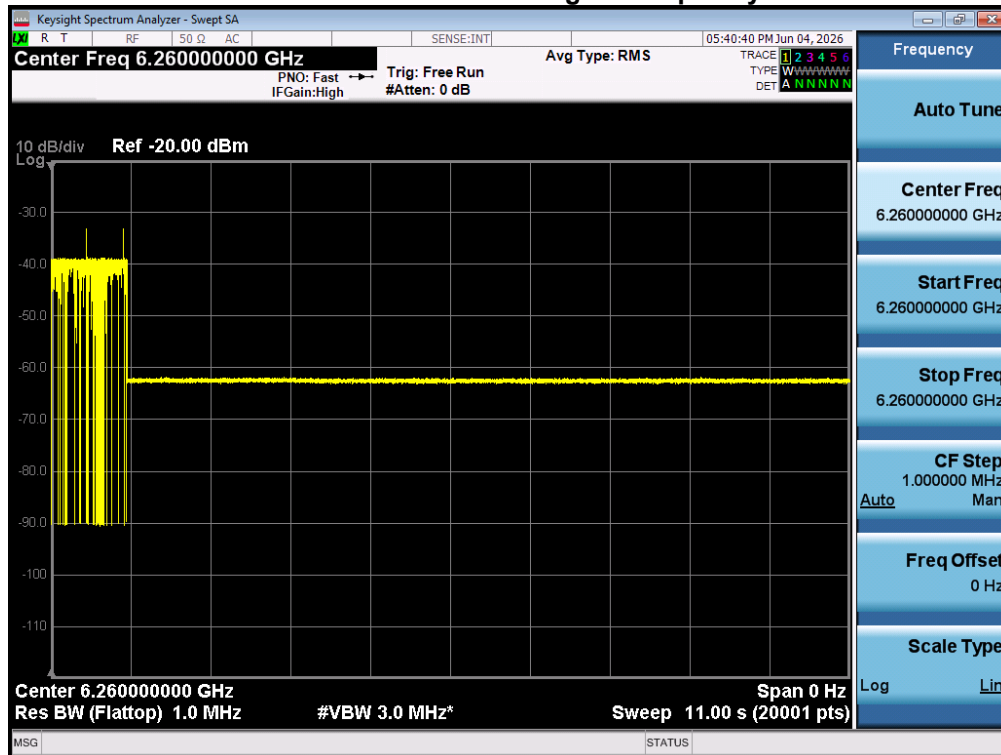
EUT Channel: CH55 Incumbent Signal Frequency: 6190 MHz



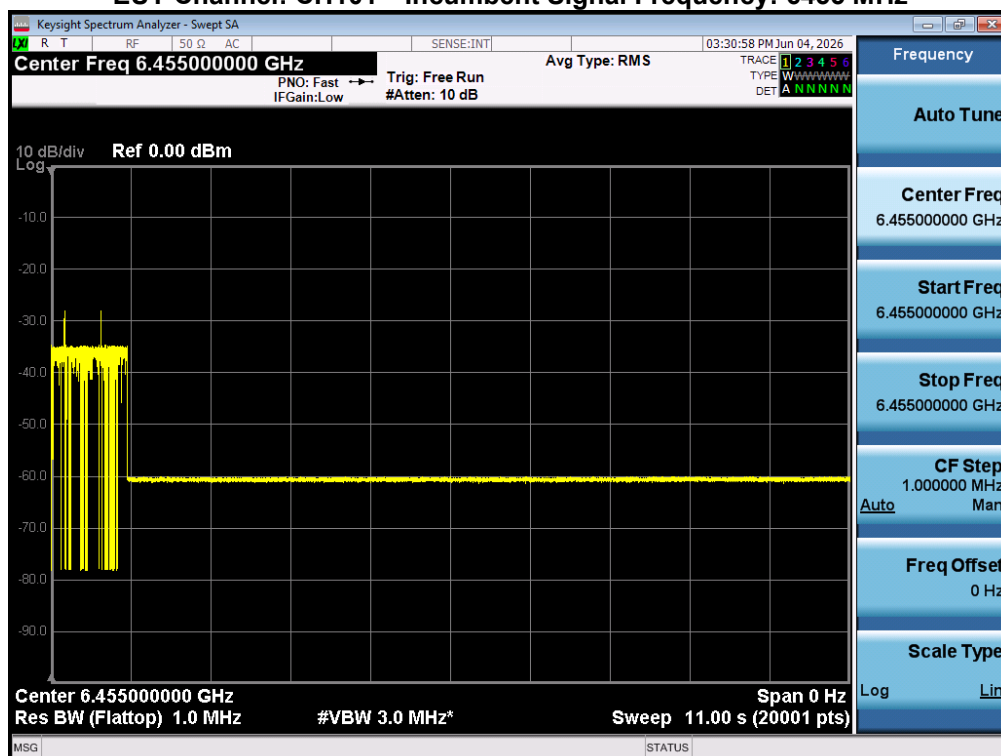
EUT Channel: CH55 Incumbent Signal Frequency: 6225 MHz



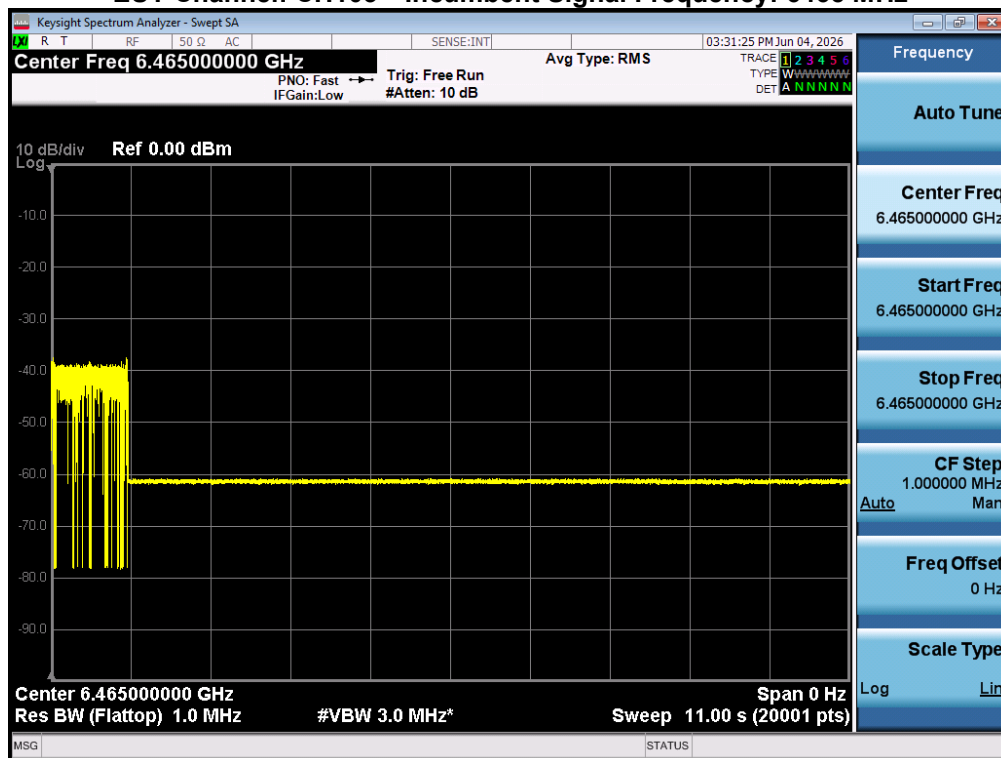
EUT Channel: CH55 Incumbent Signal Frequency: 6260 MHz



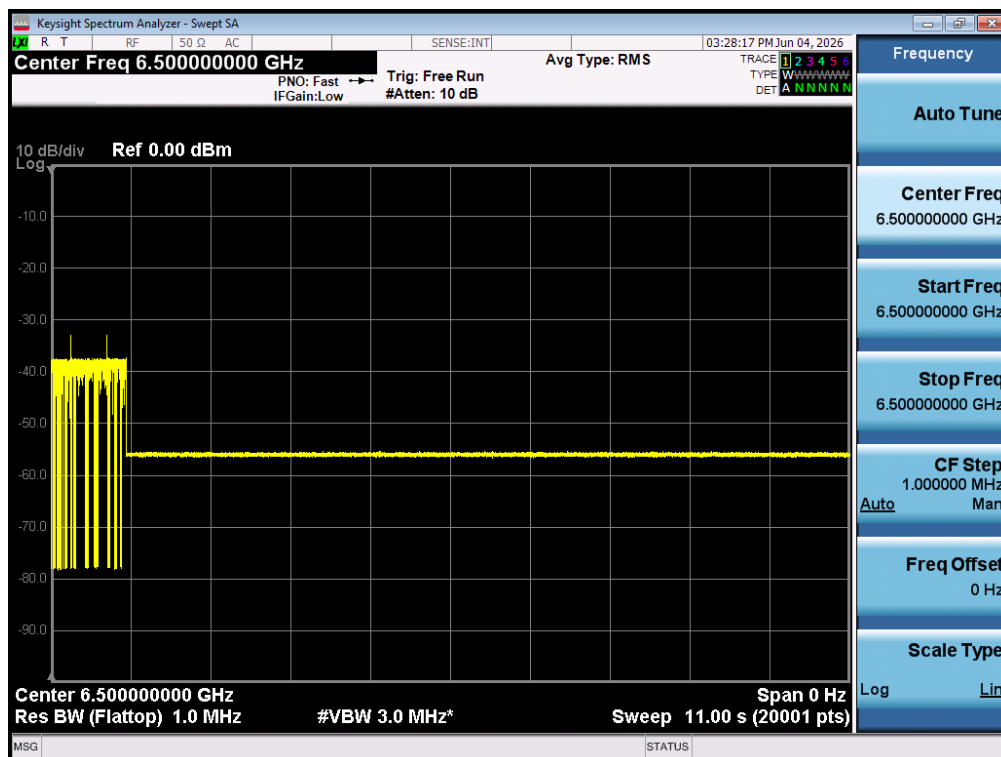
EUT Channel: CH101 Incumbent Signal Frequency: 6455 MHz



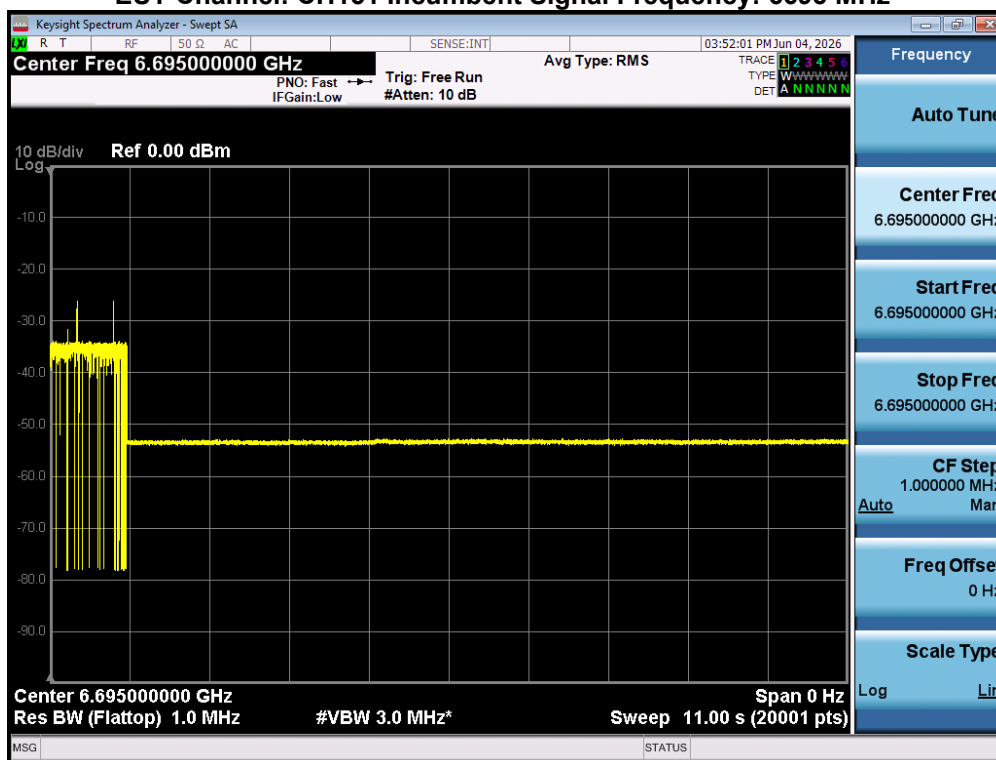
EUT Channel: CH103 Incumbent Signal Frequency: 6465 MHz



EUT Channel: CH103 Incumbent Signal Frequency: 6500 MHz



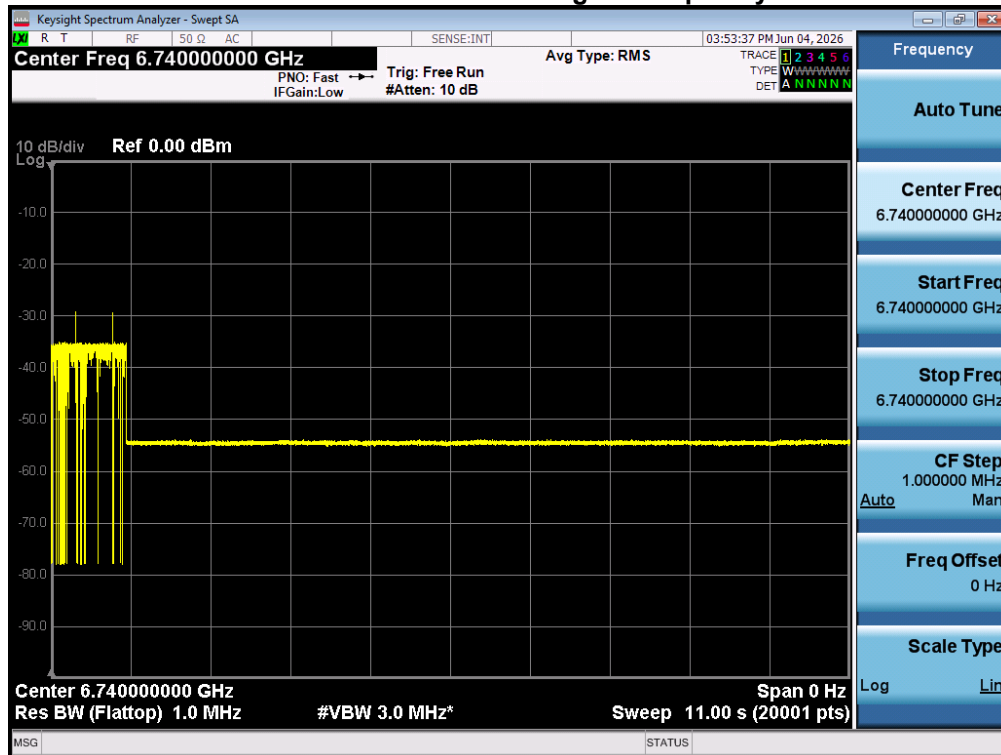
EUT Channel: CH151 Incumbent Signal Frequency: 6695 MHz



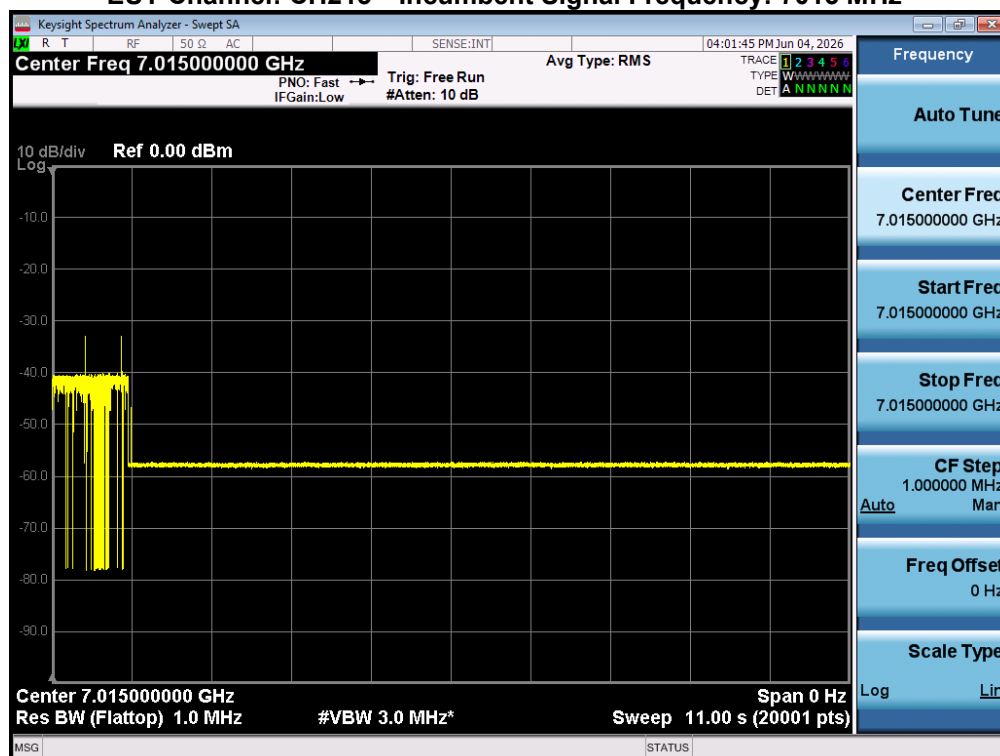
EUT Channel: CH149 Incumbent Signal Frequency: 6705 MHz



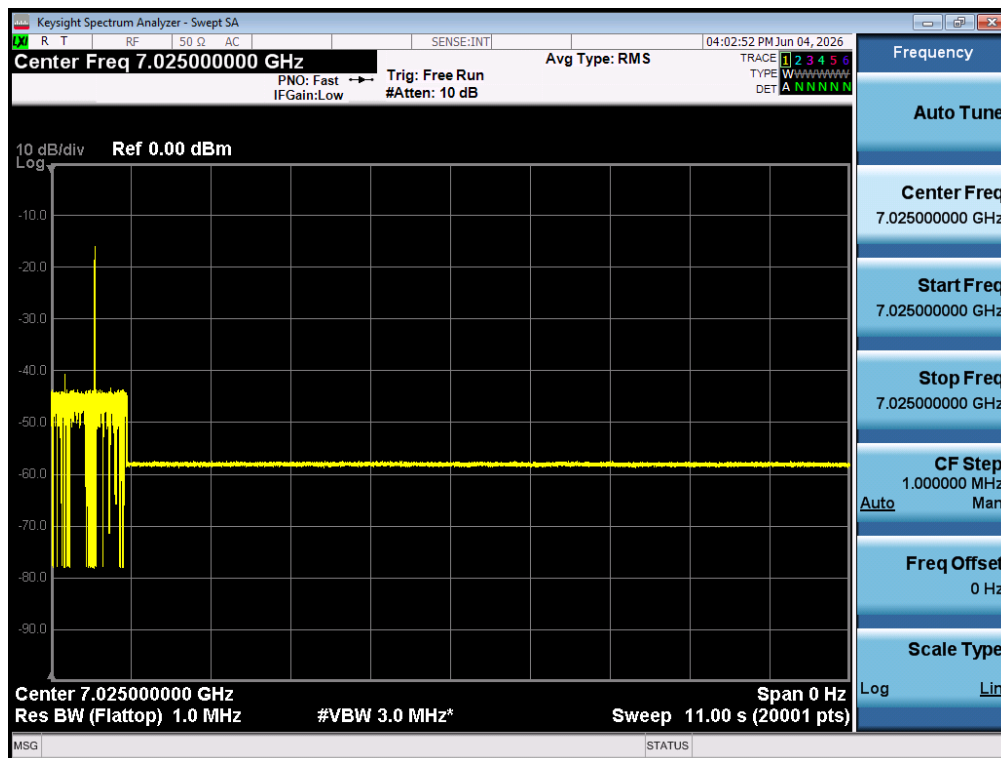
EUT Channel: CH151 Incumbent Signal Frequency: 6740 MHz



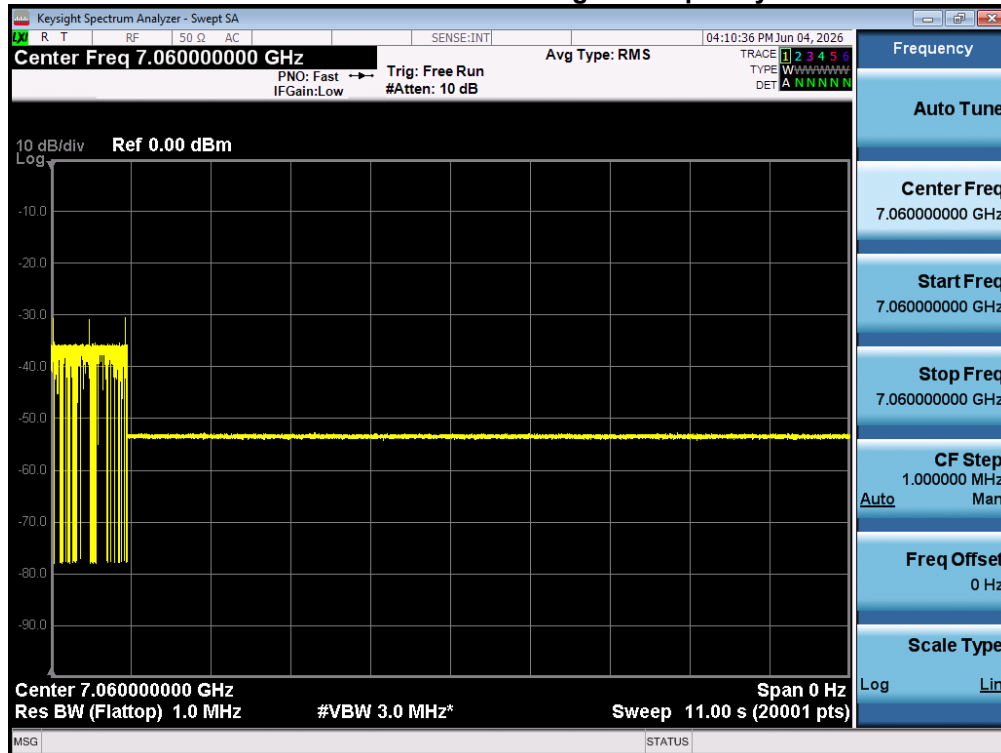
EUT Channel: CH213 Incumbent Signal Frequency: 7015 MHz



EUT Channel: CH215 Incumbent Signal Frequency: 7025 MHz



EUT Channel: CH215 Incumbent Signal Frequency: 7060 MHz



End of Test Report