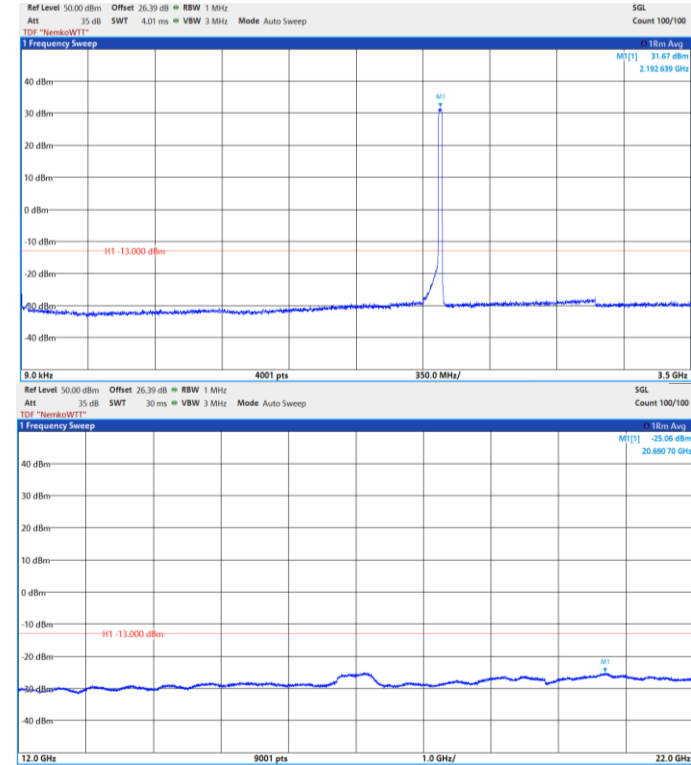
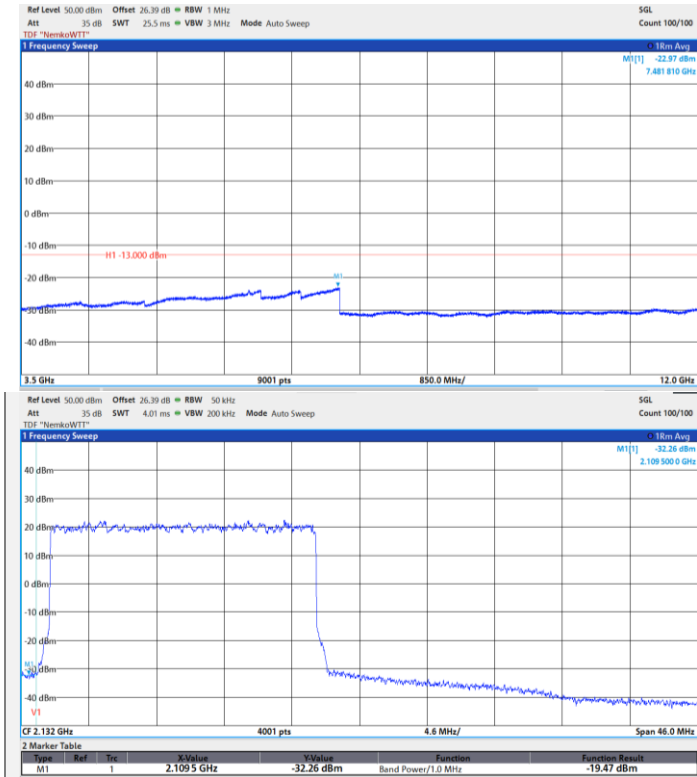
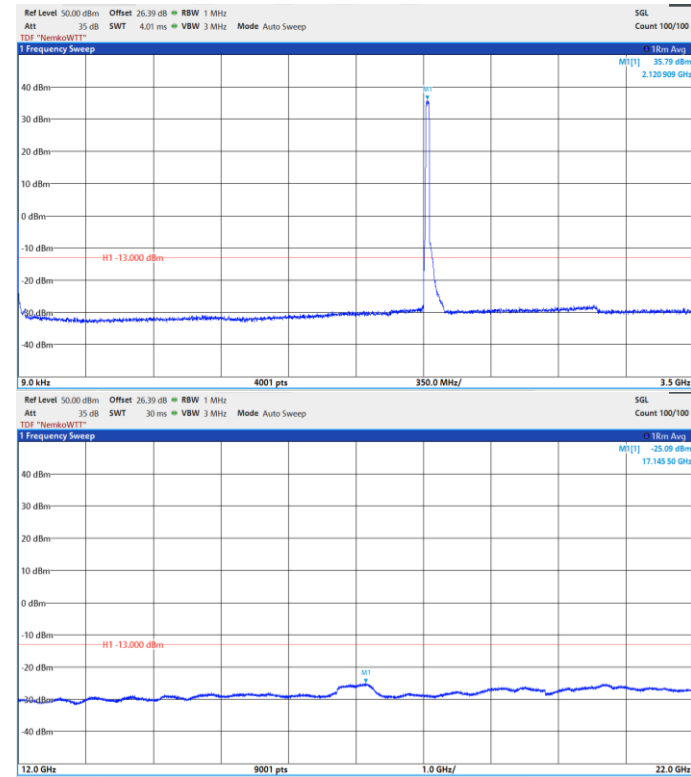




QPSK operation: HIGH channel

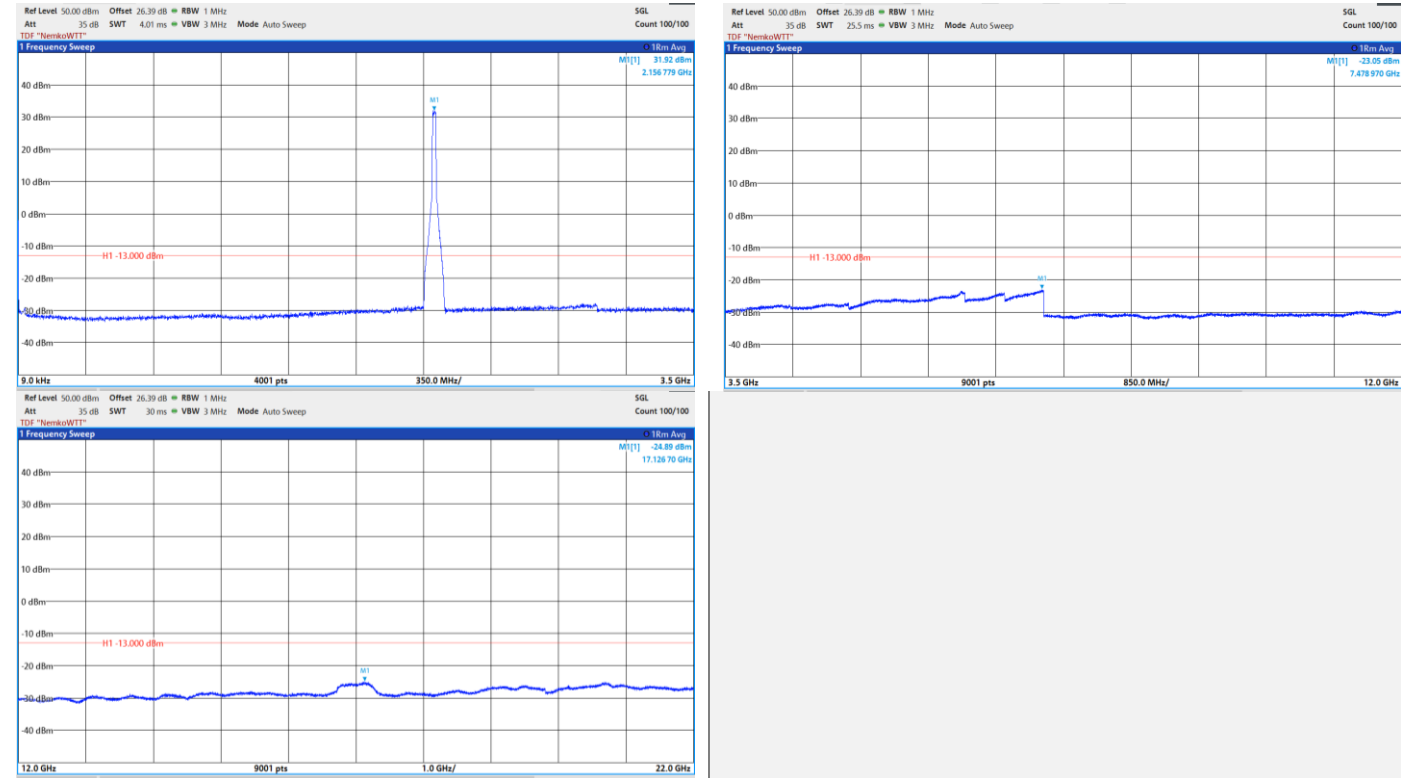


16QAM operation: LOW channel

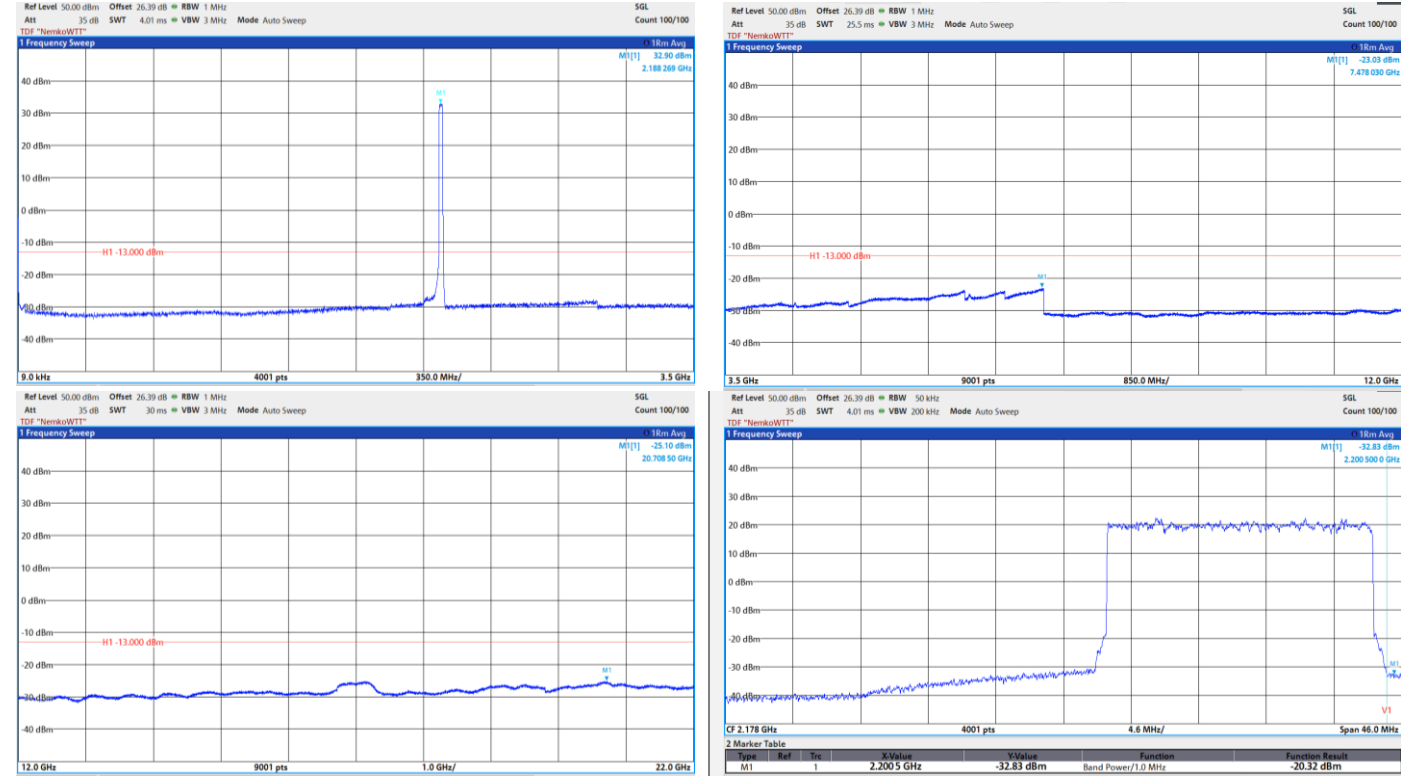




16QAM operation: MID channel

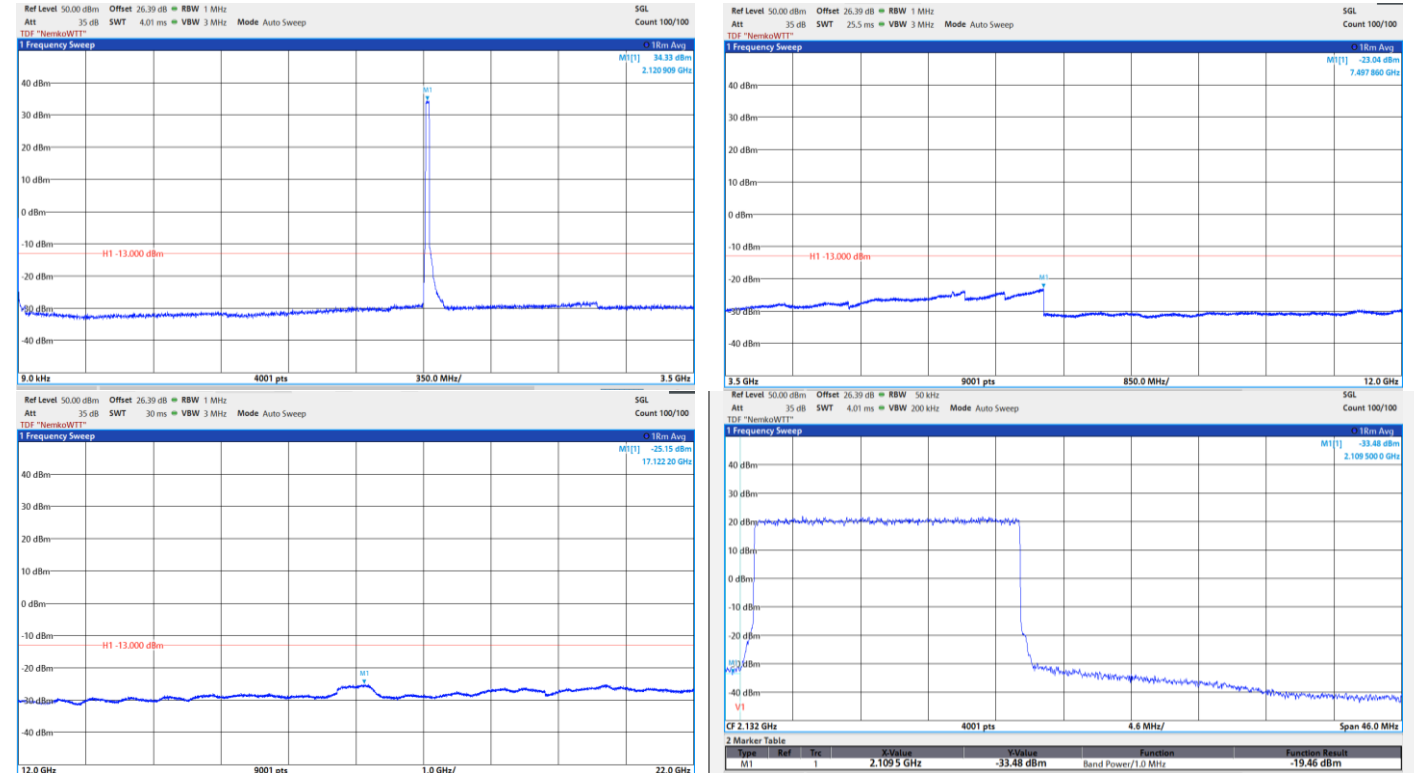


16QAM operation: HIGH channel

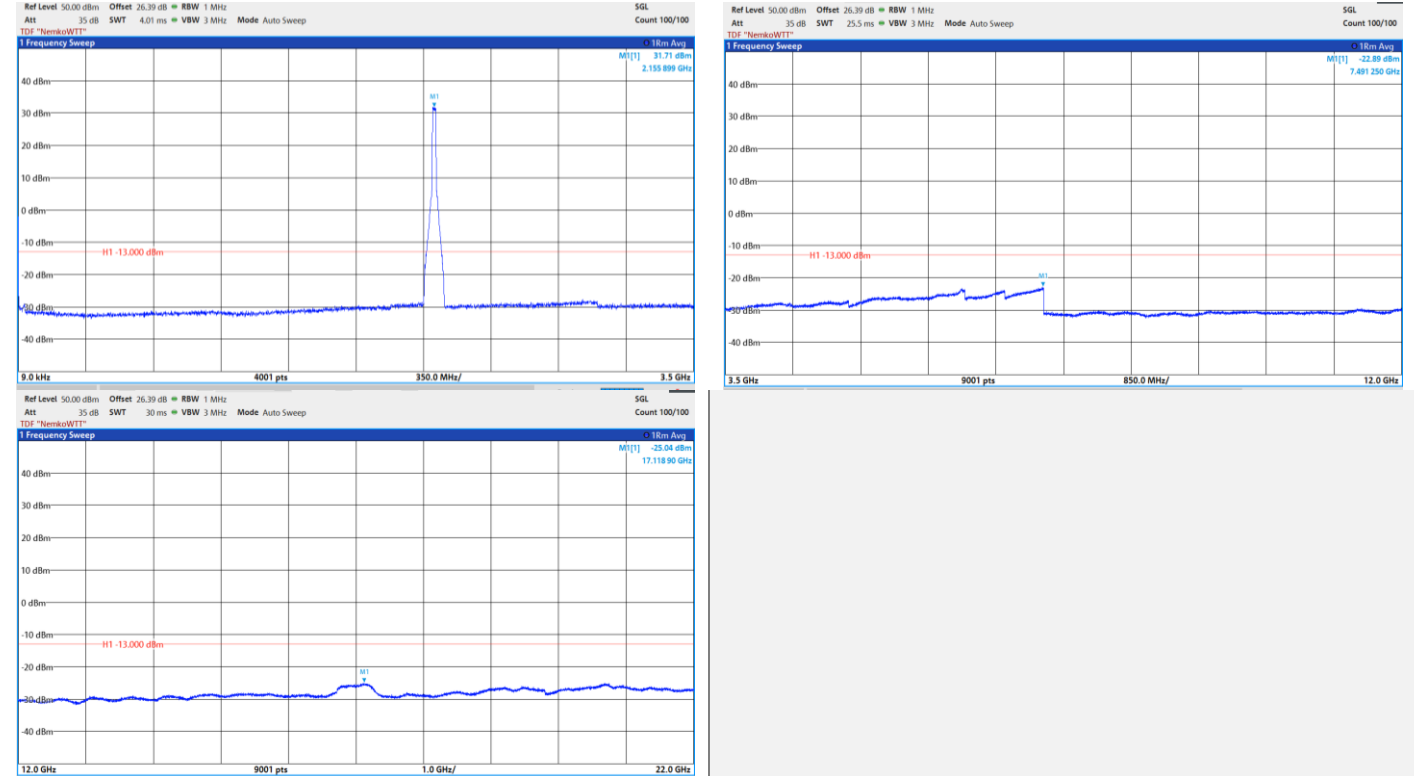




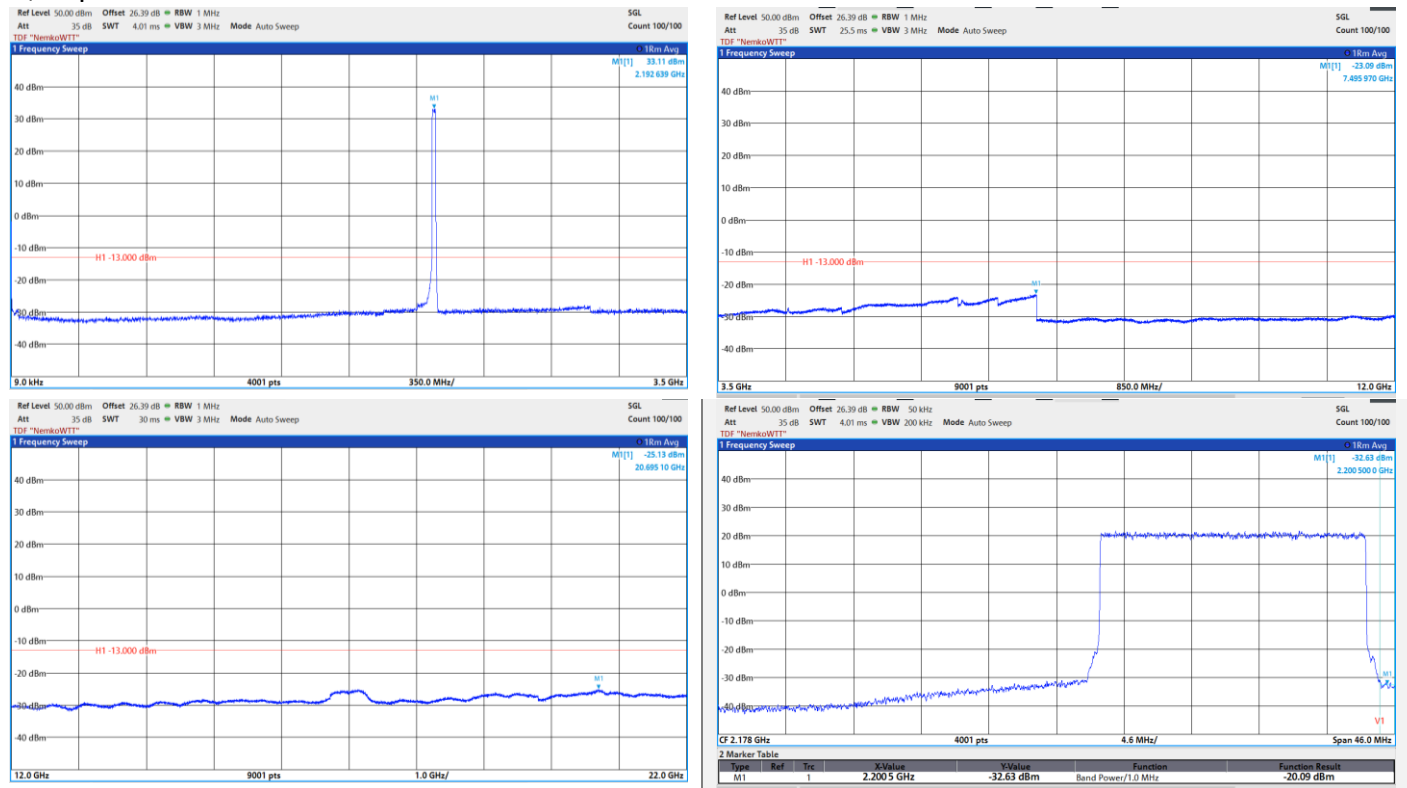
64QAM operation: LOW channel



64QAM operation: MID channel



64QAM operation: HIGH channel



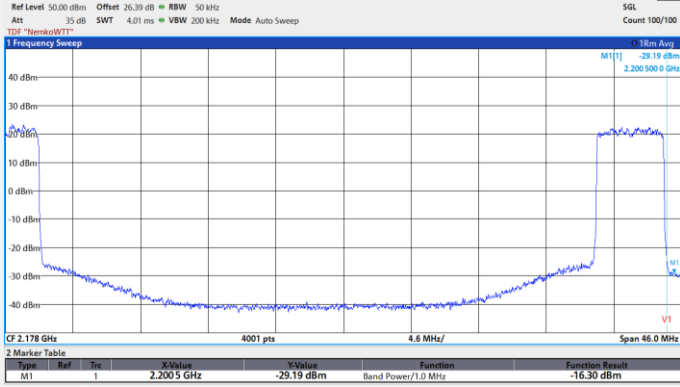
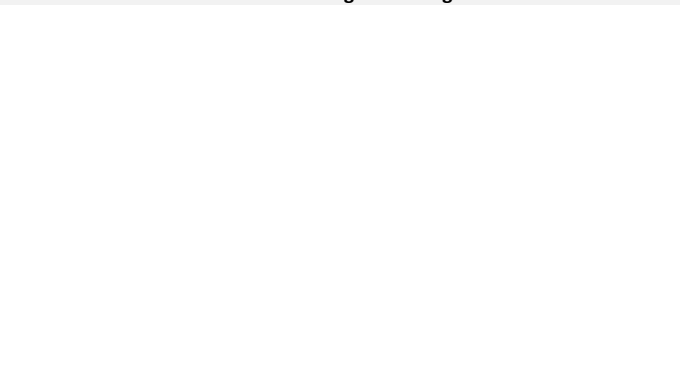
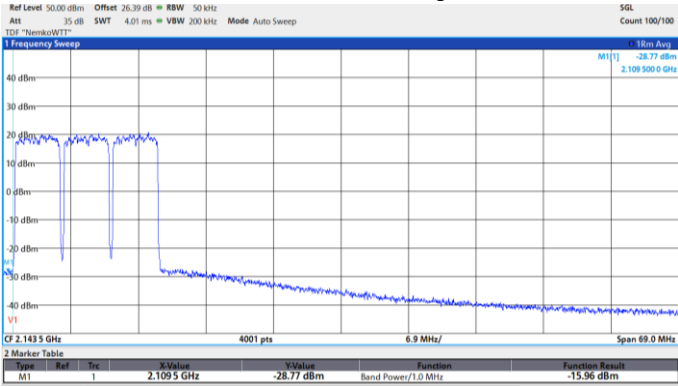
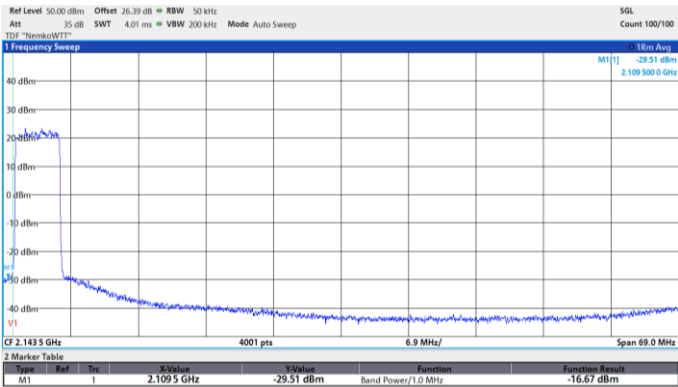
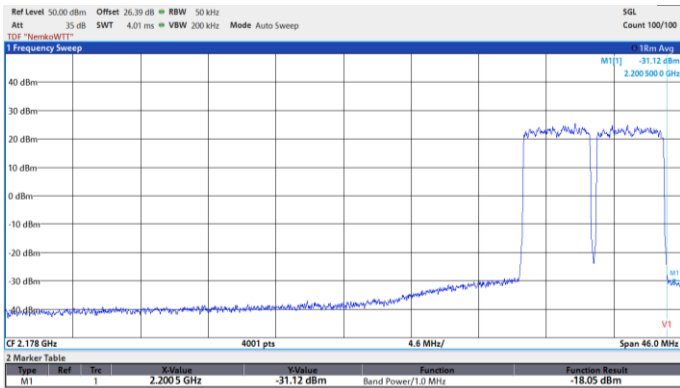
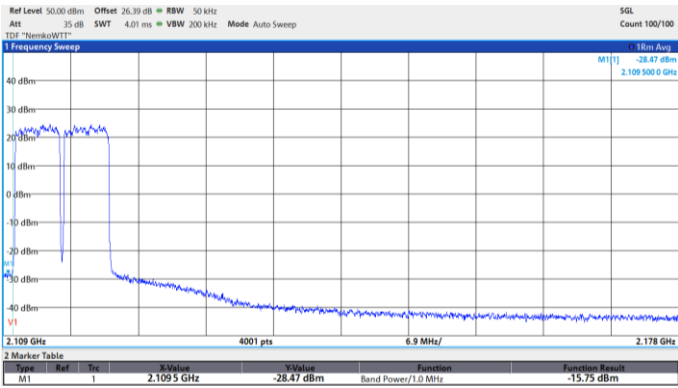
8.6.8 Test data (conducted spurious emissions – LTE multi-carrier operation)

LTE multi-carrier operation was verified in the following operational modes:

Table 8.6-1: LTE multi-carrier operating modes

Scenario	# Carrier	Bandwidth (MHz)	F1 (DL MHz)	F2 (DL MHz)	F3 (DL MHz)	Comments
1	2	5/5	2112.5	2117.5	N/A	64QAM modulation, 2 contiguous carriers at lowest channels. Low band edge emissions measured.
2	2	5/5	2192.5	2197.5	N/A	64QAM modulation, 2 contiguous carriers at highest channels. High band edge emissions measured.
3	2	5/5	2112.5	2197.5	N/A	64QAM modulation, 2 non-contiguous carriers; one at lowest channel, one at highest channel. Low and high band edge emissions measured.
4	3	5/5/5	2112.5	2117.5	2122.5	64QAM modulation, 3 contiguous carriers at lowest channels. Low band edge emissions measured.
5	3	5/5/5	2112.5	2155.0	2197.5	64QAM modulation, 3 non-contiguous channels; one at lowest channel, one at middle channel, one at highest channel. Low and high band edge emissions measured.

(5 MHz channel bandwidth selected to maximize the power spectral density)



8.6.9 Test data (conducted spurious emissions – 5G NR 5 MHz)

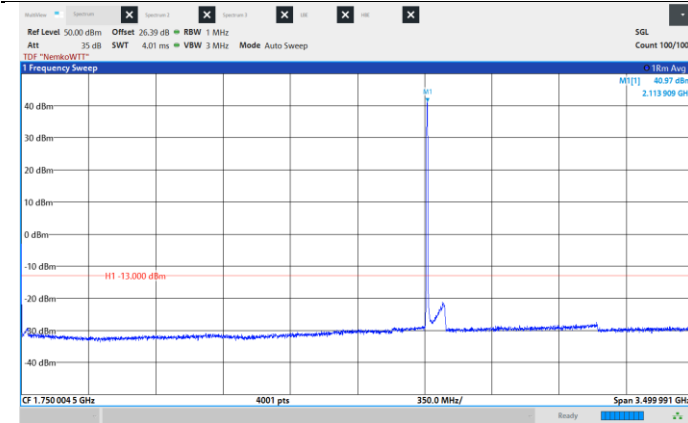


Figure 8.6-1: Conducted Spurious Emissions, Low CH 2112.5 MHz, 5 MHz, QPSK, Frequency range: 0.009 – 3500 MHz.

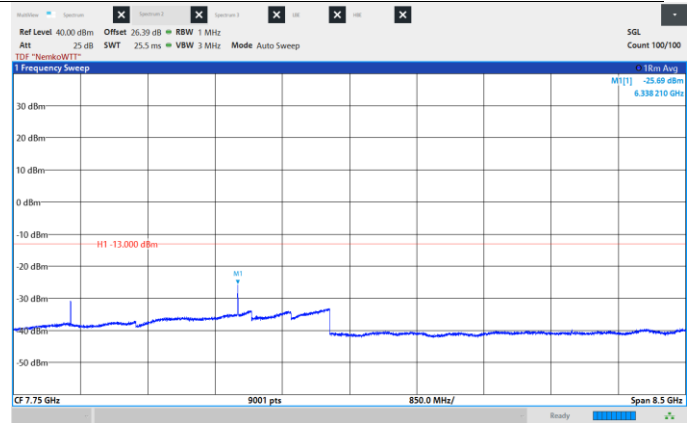


Figure 8.6-2: Conducted Spurious Emissions, Low CH 2112.5 MHz, 5 MHz, QPSK, Frequency range: 3.5 – 12.0 GHz.

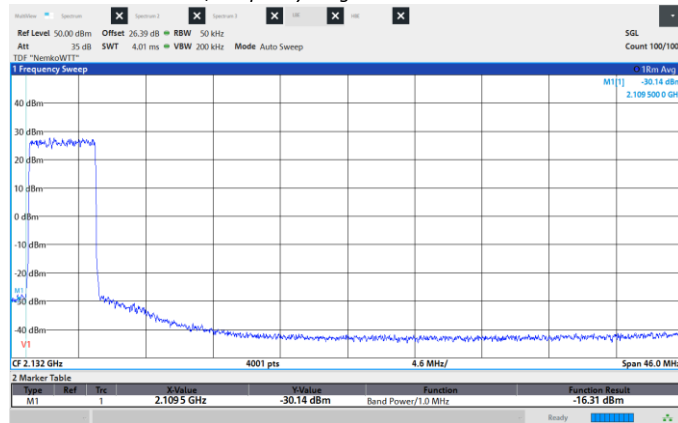


Figure 8.6-3: Conducted Spurious Emissions, Low CH 2112.5 MHz, 5 MHz, QPSK, Low band edge.

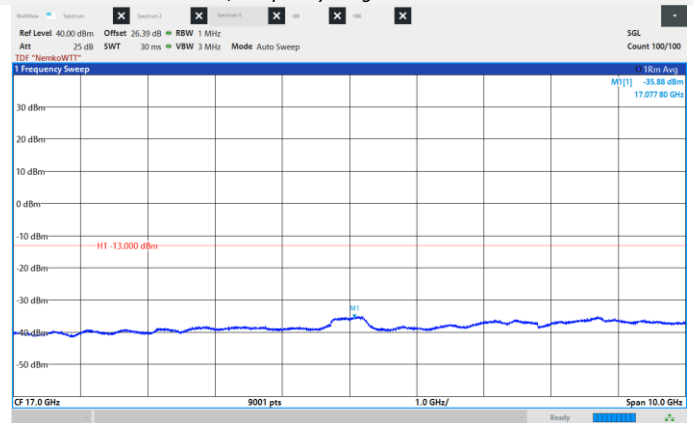


Figure 8.6-4: Conducted Spurious Emissions, Low CH 2112.5 MHz, 5 MHz, QPSK, Frequency range: 12.0 – 22.0 GHz.

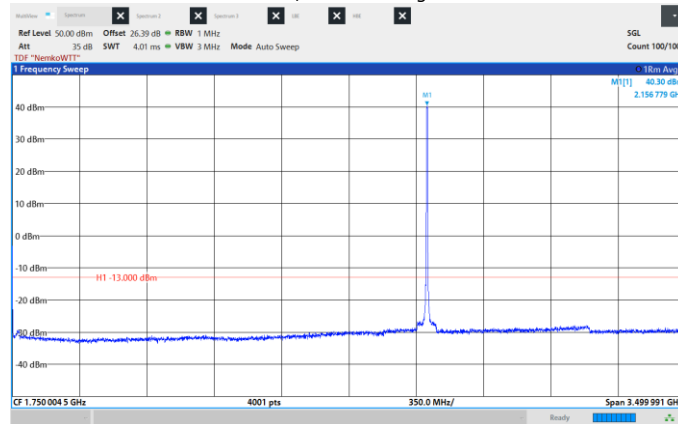


Figure 8.6-5: Conducted Spurious Emissions, Mid CH 2155 MHz, 5 MHz, QPSK, Frequency range: 0.009 -3500 MHz.

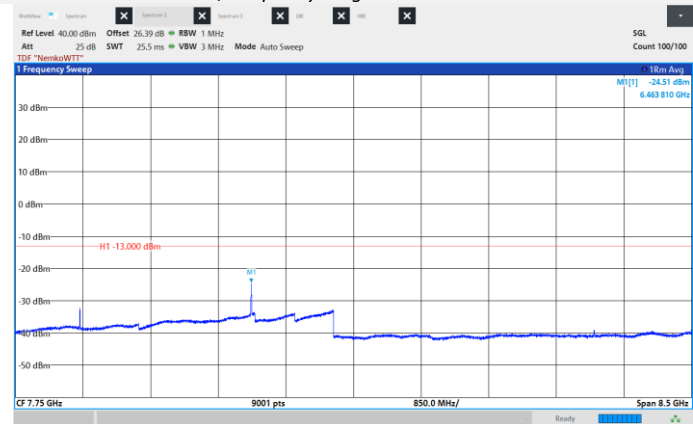


Figure 8.6-6: Conducted Spurious Emissions, Mid CH 2155 MHz, 5 MHz, QPSK, Frequency range: 3.5 -12.0 GHz.

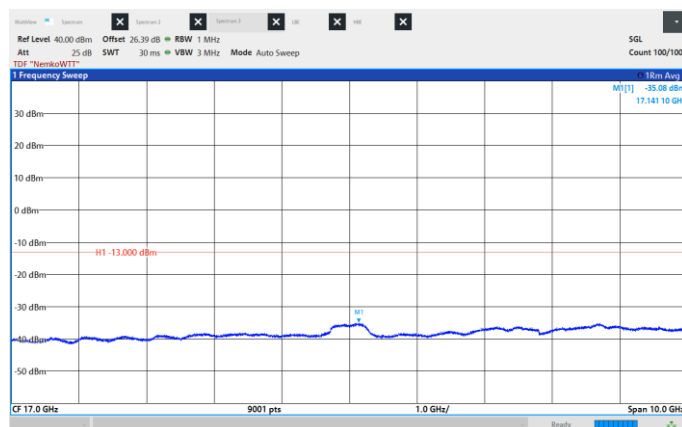


Figure 8.6-7: Conducted Spurious Emissions, Mid CH 2155 MHz, 5 MHz, QPSK, Frequency range: 12.0 – 22.0 GHz.

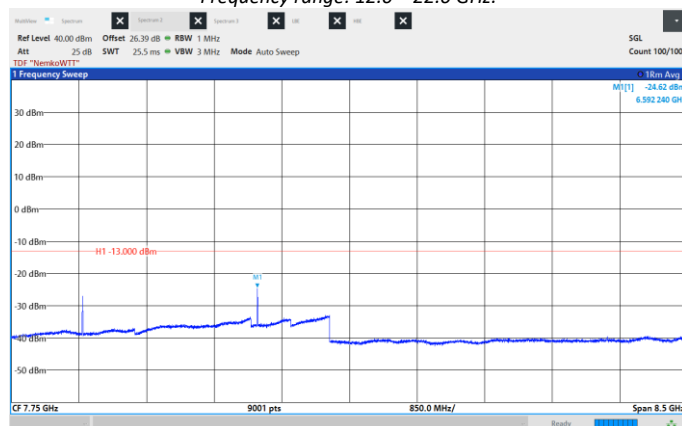


Figure 8.6-9: Conducted Spurious Emissions, High CH 2197.5 MHz, 5 MHz, QPSK, Frequency range: 3.5 -12.0 GHz.

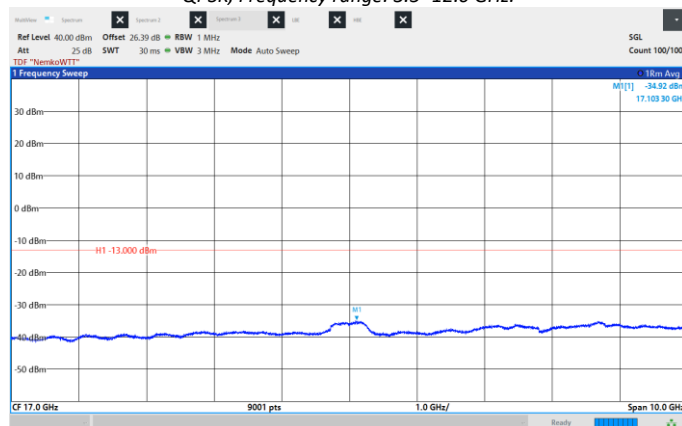


Figure 8.6-11: Conducted Spurious Emissions, High CH 2197.5 MHz, 5 MHz, QPSK, Frequency range: 12.0 -22.0 GHz

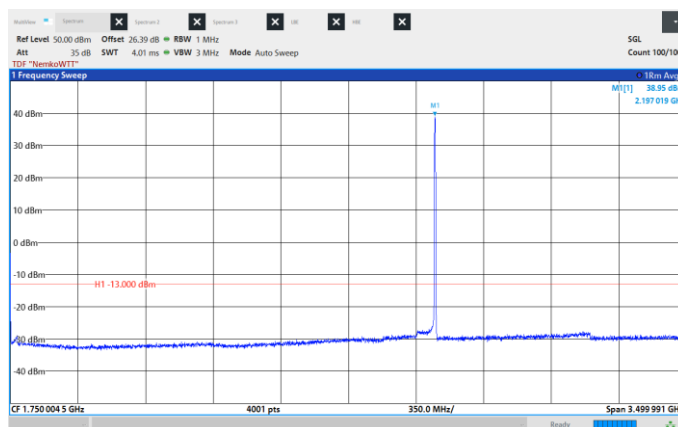


Figure 8.6-8: Conducted Spurious Emissions, High CH 2197.5 MHz, 5 MHz, QPSK, Frequency range: 0.009 – 3500 MHz.

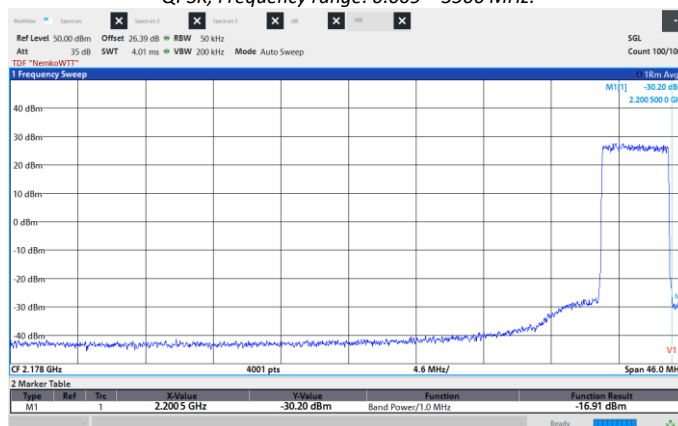


Figure 8.6-10: Conducted Spurious Emissions, High CH 2197.5 MHz, 5 MHz, QPSK, High band edge.

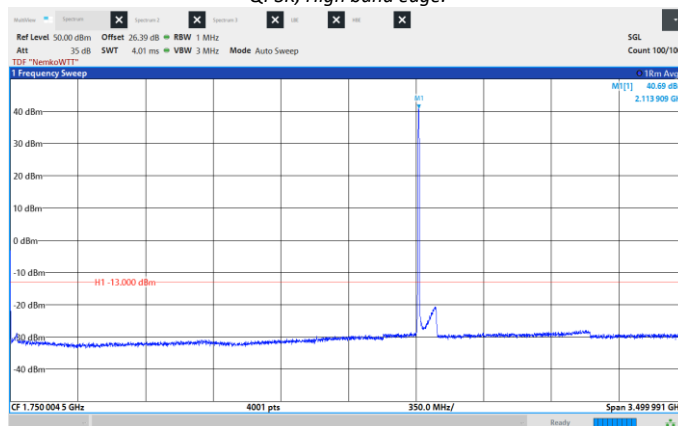


Figure 8.6-12: Conducted Spurious Emissions, Low CH 2112.5 MHz, 5 MHz, 16QAM, Frequency range: 0.009 – 3500 MHz.

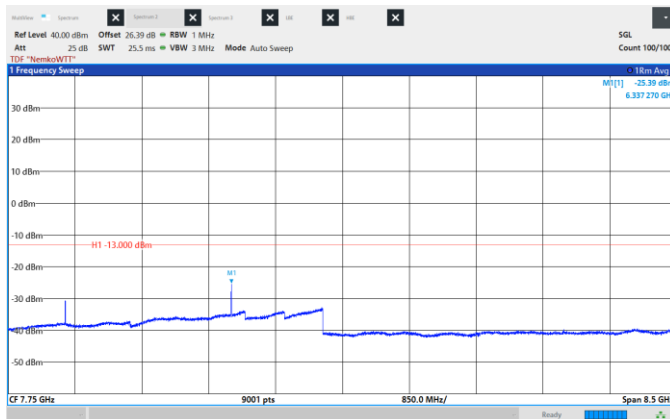


Figure 8.6-13: Conducted Spurious Emissions, Low CH 2112.5 MHz, 5 MHz, 16QAM, Frequency range: 3.5 – 12.0 GHz.

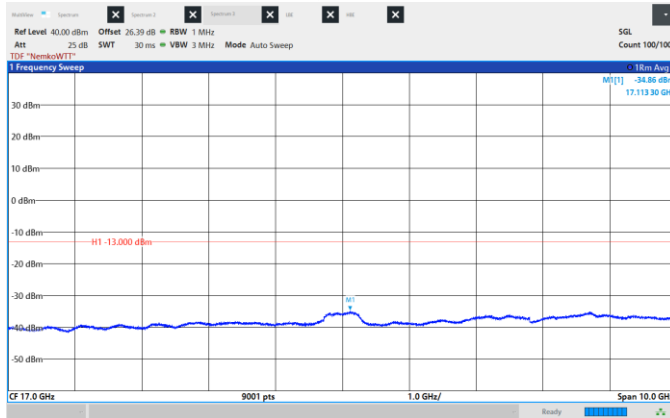


Figure 8.6-15: Conducted Spurious Emissions, Low CH 2112.5 MHz, 5 MHz, 16QAM, Frequency range: 12.0 - 22.0 GHz

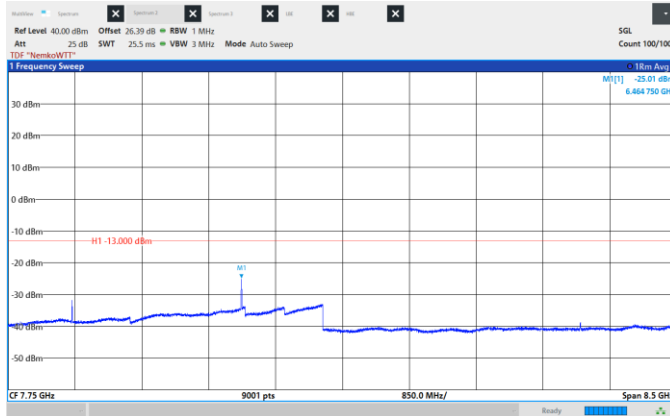


Figure 8.6-17: Conducted Spurious Emissions, Mid CH 2155 MHz, 5 MHz, 16QAM, Frequency range: 3.5 - 12.0 GHz.

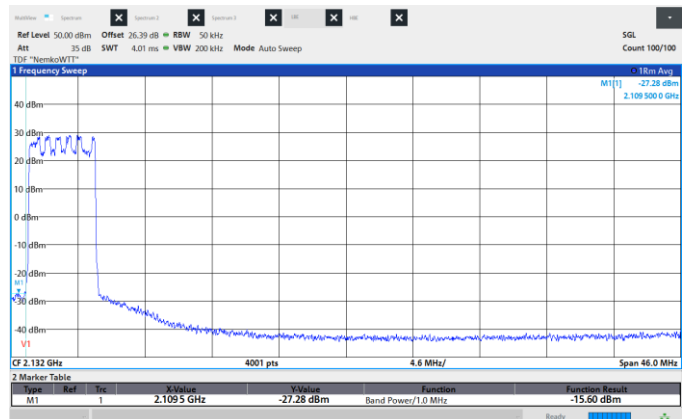


Figure 8.6-14: Conducted Spurious Emissions, Low CH 2112.5 MHz, 5 MHz, 16QAM, Low band edge.

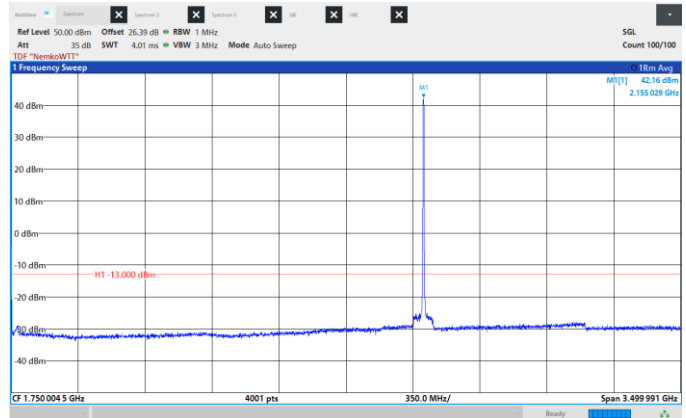


Figure 8.6-16: Conducted Spurious Emissions, Mid CH 2155 MHz, 5 MHz, 16QAM, Frequency range: 0.009 - 3500 MHz

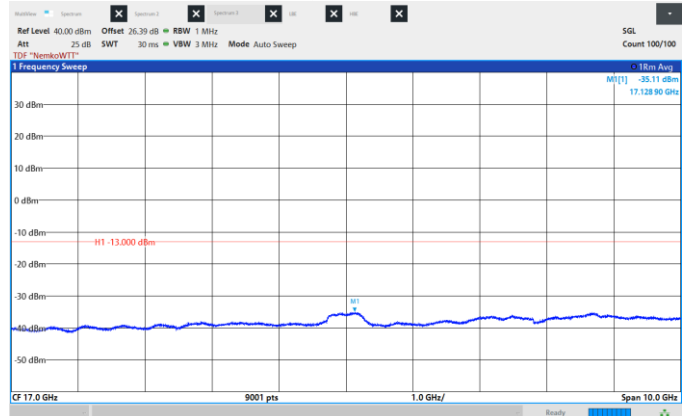


Figure 8.6-18: Conducted Spurious Emissions, Mid CH 2155 MHz, 5 MHz, 16QAM, Frequency range: 12.0 – 22.0 GHz.

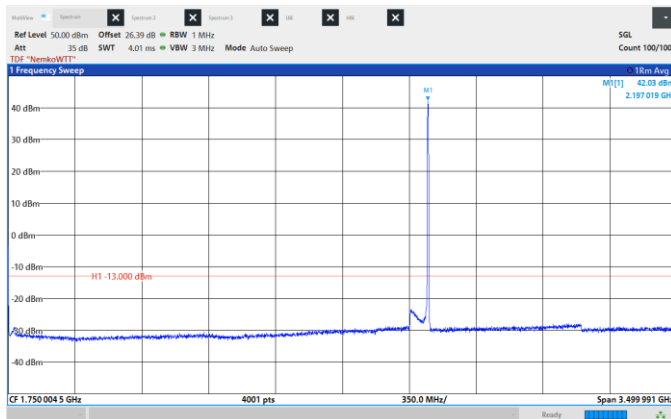


Figure 8.6-19: Conducted Spurious Emissions, High CH 2197.5 MHz, 5 MHz, 16QAM, Frequency range: 0.009 -3500 MHz.

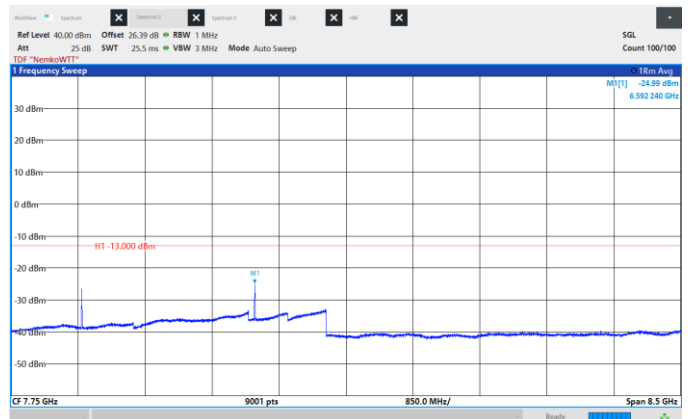


Figure 8.6-20: Conducted Spurious Emissions, High CH 2197.5 MHz, 5 MHz, 16QAM, Frequency range: 3.5 - 12.0 GHz

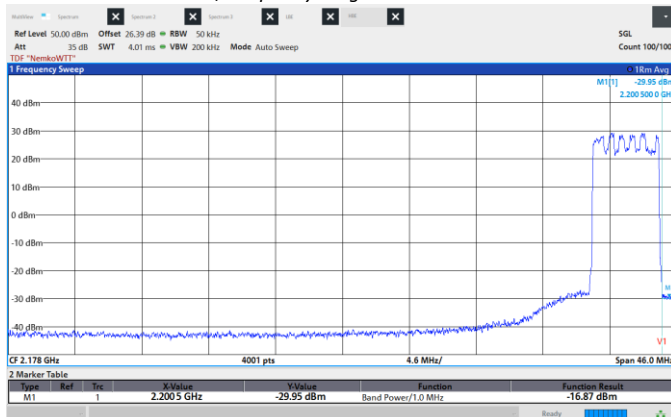


Figure 8.6-21: Conducted Spurious Emissions, High CH 2197.5 MHz, 5 MHz, 16QAM, High band edge

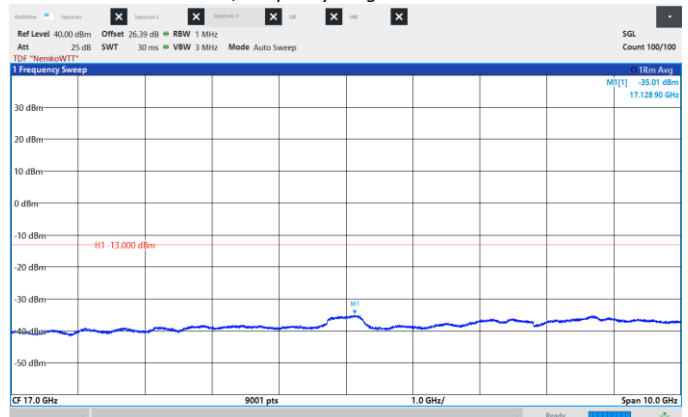


Figure 8.6-22: Conducted Spurious Emissions, High CH 2197.5 MHz, 5 MHz, 16QAM, Frequency range: 12.0 -22.0 GHz.

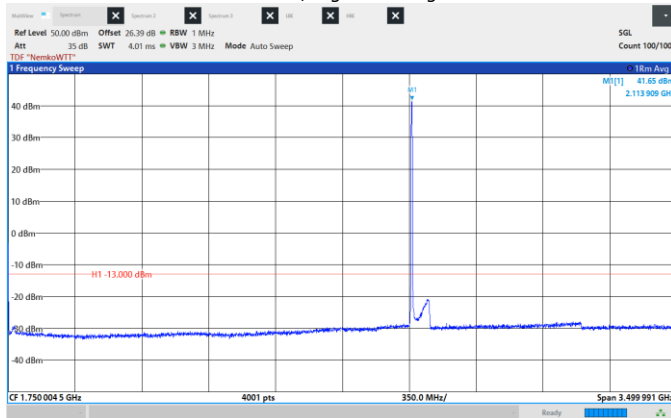


Figure 8.6-23: Conducted Spurious Emissions, Low CH 2112.5 MHz, 5 MHz, 64QAM, Frequency range: 0.009 -3500 MHz.

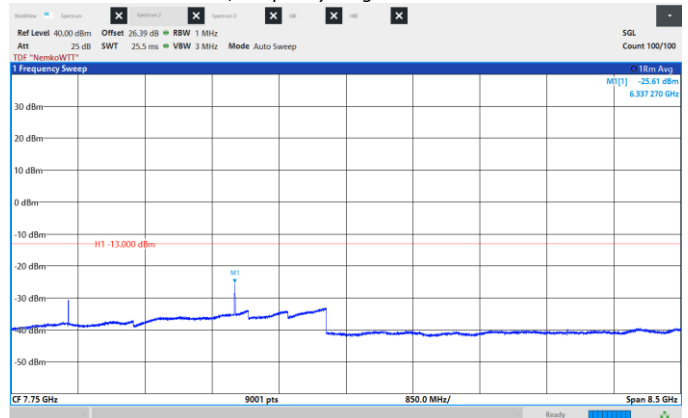


Figure 8.6-24: Conducted Spurious Emissions, Low CH 2112.5 MHz, 5 MHz, 64QAM, Frequency range: 3.5 - 12.0 GHz.

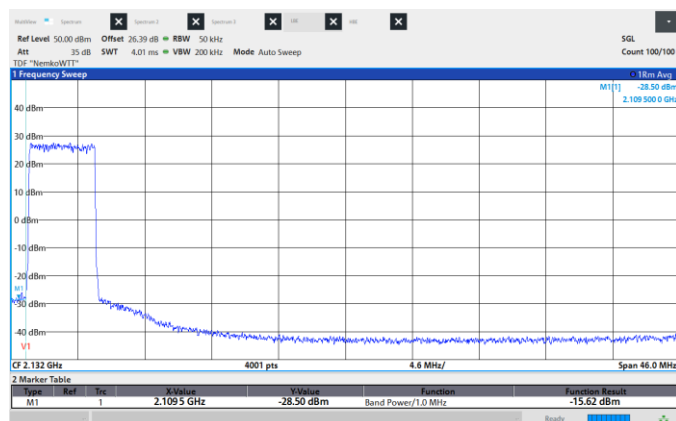


Figure 8.6-25: Conducted Spurious Emissions, Low CH 2112.5 MHz, 5 MHz, 64QAM, Low band edge

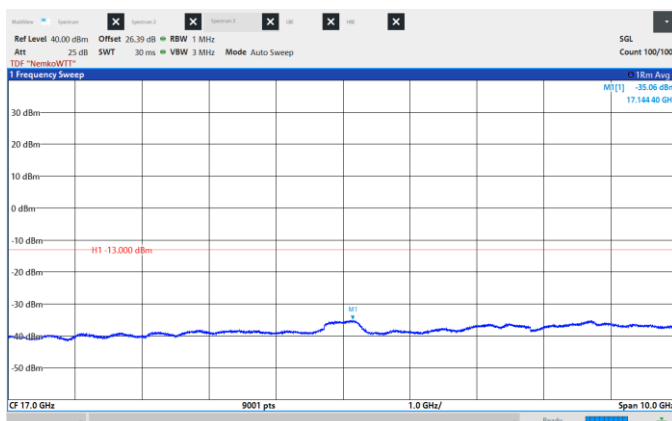


Figure 8.6-26: Conducted Spurious Emissions, Low CH 2112.5 MHz, 5 MHz, 64QAM, Frequency range: 12.0 – 22.0 GHz.

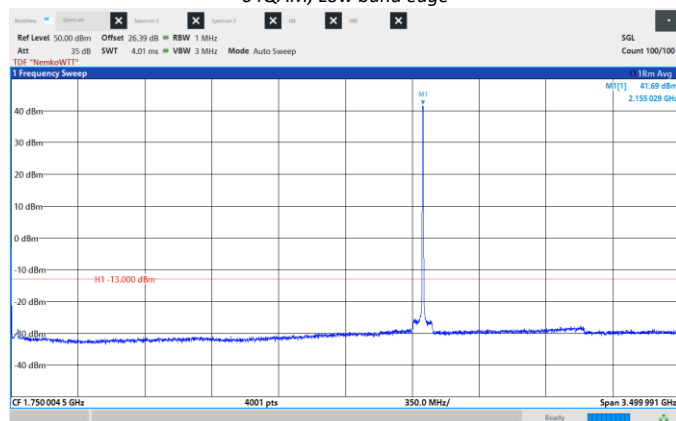


Figure 8.6-27: Conducted Spurious Emissions, Mid CH 2155 MHz, 5 MHz, 64QAM, Frequency range: 0.009 -3500 MHz

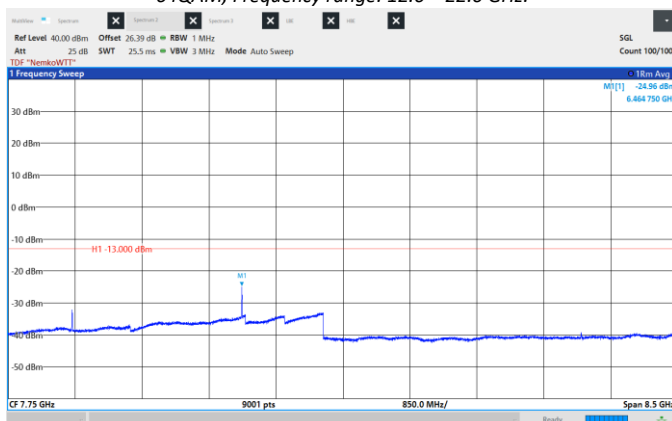


Figure 8.6-28: Conducted Spurious Emissions, Mid CH 2155 MHz, 5 MHz, 64QAM, Frequency range: 3.5 -12.0 GHz.

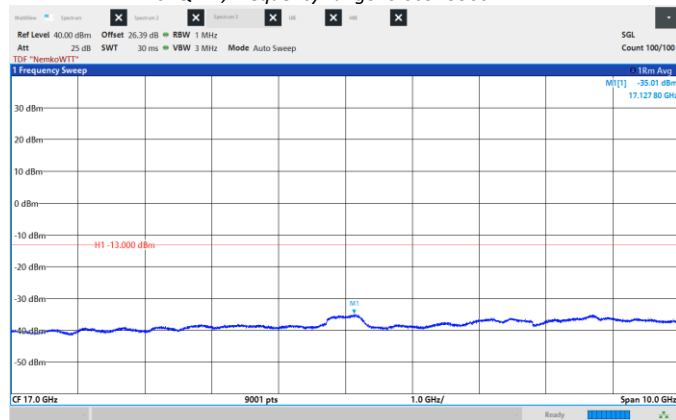


Figure 8.6-29: Conducted Spurious Emissions, Mid CH 2155 MHz, 5 MHz, 64QAM, Frequency range: 12.0 – 22.0 GHz.

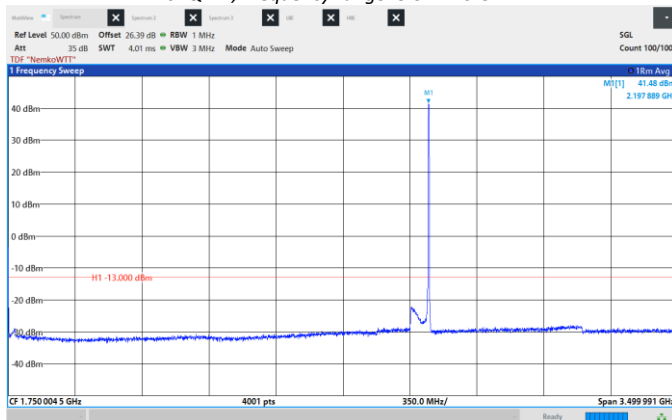


Figure 8.6-30: Conducted Spurious Emissions, High CH 2197.5 MHz, 5 MHz, 64QAM, Frequency range: 0.009 – 3500 MHz.

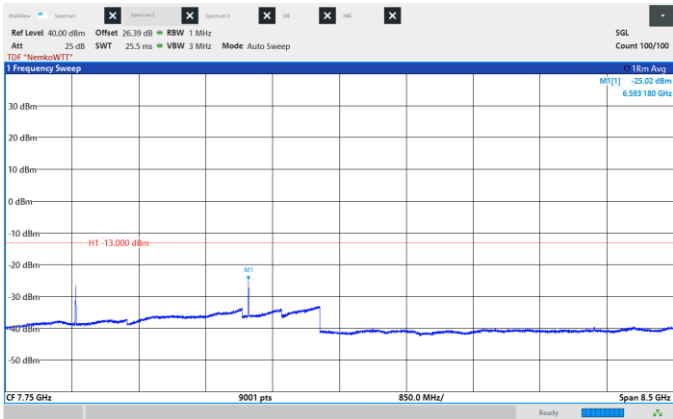


Figure 8.6-31: Conducted Spurious Emissions, High CH 2155 MHz, 5 MHz, 64QAM, Frequency range: 3.5 – 12.0 GHz.

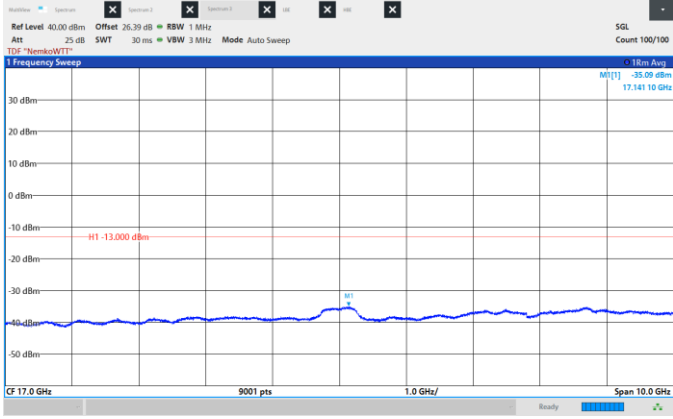


Figure 8.6-33: Conducted Spurious Emissions, High CH 2197.5 MHz, 5 MHz, 64QAM, Frequency range: 12.0 -22.0 GHz

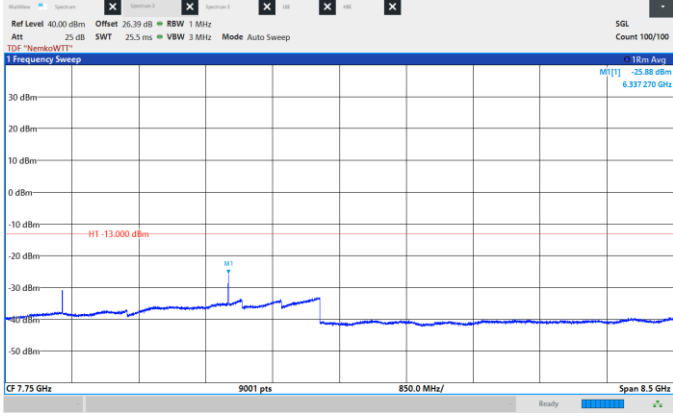


Figure 8.6-35: Conducted Spurious Emissions, Low CH 2112.5 MHz, 5 MHz, 256QAM, Frequency range: 3.5 – 12.0 GHz.

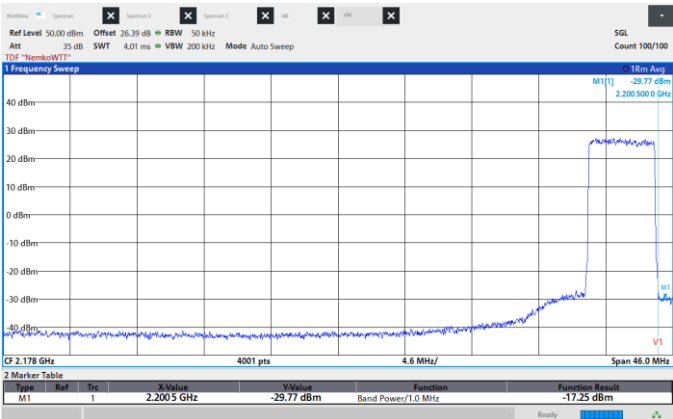


Figure 8.6-32: Conducted Spurious Emissions, High CH 2197.5 MHz, 5 MHz, 64QAM, High band edge.

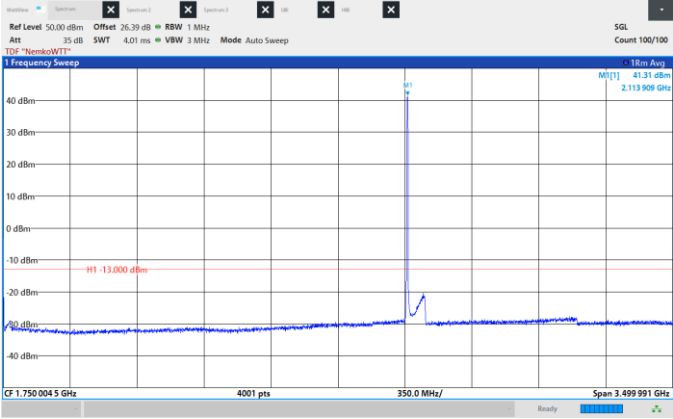


Figure 8.6-34: Conducted Spurious Emissions, Low CH 2112.5 MHz, 5 MHz, 256QAM, Frequency range: 0.009 -3500 MHz.

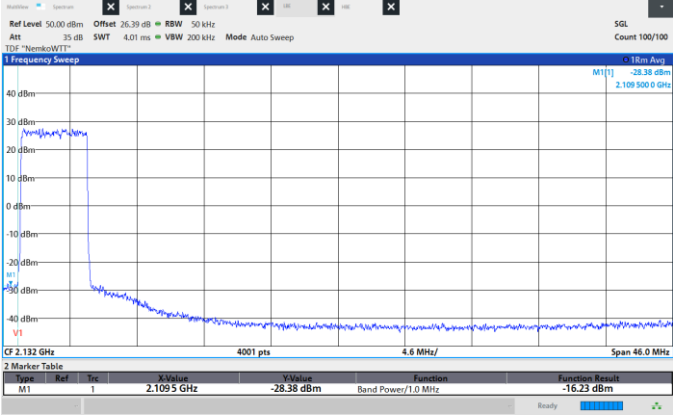


Figure 8.6-36: Conducted Spurious Emissions, Low CH 2112.5 MHz, 5 MHz, 256QAM, Low band edge.

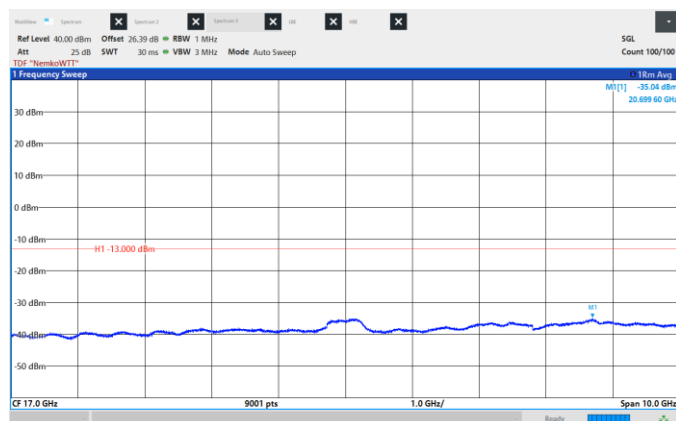


Figure 8.6-37: Conducted Spurious Emissions, Low CH 2112.5 MHz, 5 MHz, 256QAM, Frequency range: 12.0 – 22.0 GHz.

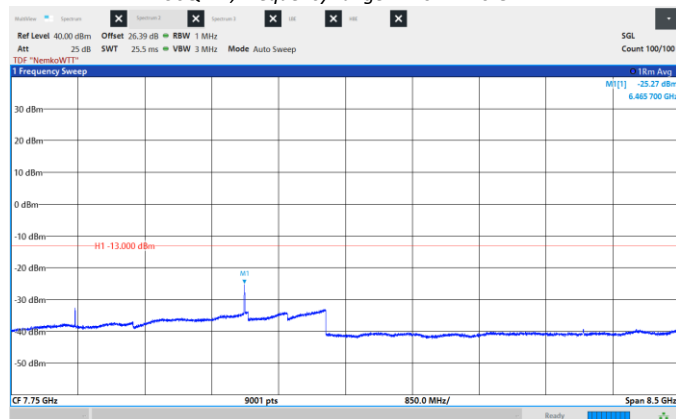


Figure 8.6-39: Conducted Spurious Emissions, Mid CH 2155 MHz, 5 MHz, 256QAM, Frequency range: 3.5 – 12.0 GHz.

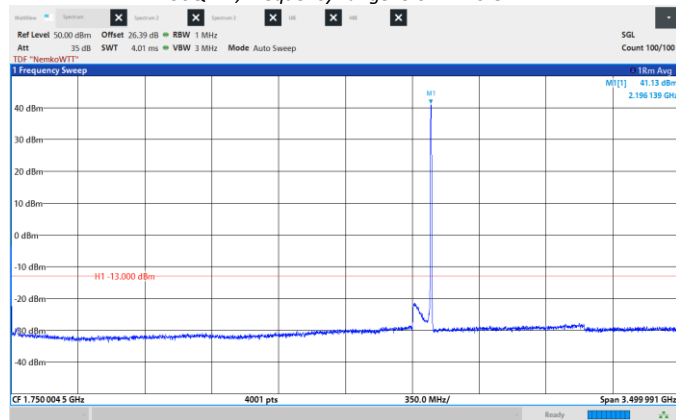


Figure 8.6-41: Conducted Spurious Emissions, High CH 2197.5 MHz, 5 MHz, 256QAM, Frequency range: 0.009 -3500 MHz.

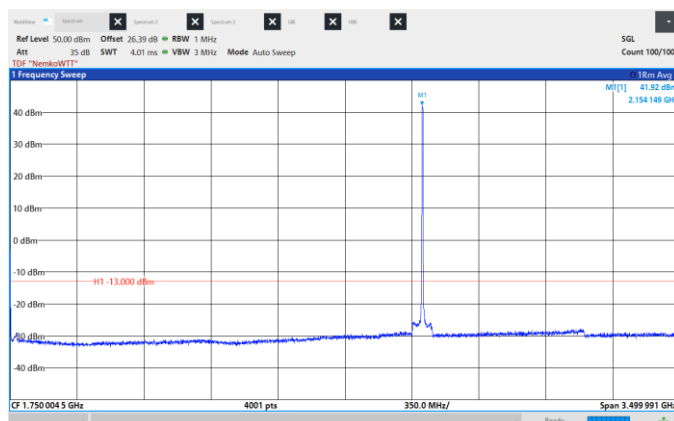


Figure 8.6-38: Conducted Spurious Emissions, Mid CH 2155 MHz, 5 MHz, 256QAM, Frequency range: 0.009 – 3500 MHz.

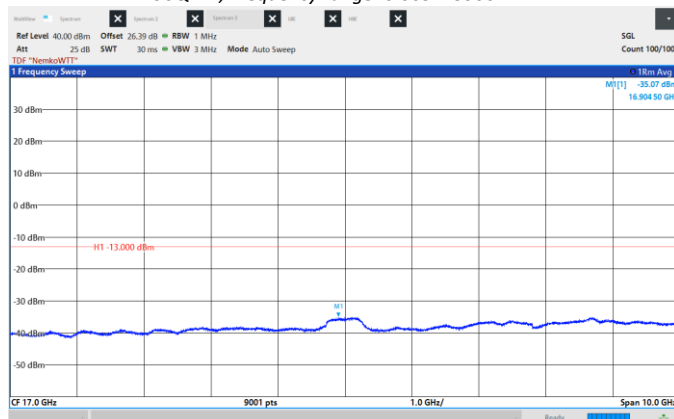


Figure 8.6-40: Conducted Spurious Emissions, Mid CH 2155 MHz, 5 MHz, 256QAM, Frequency range: 12.0 -22.0 GHz.

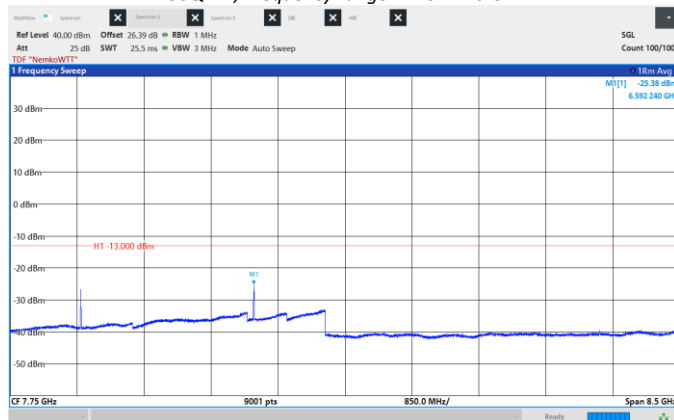


Figure 8.6-42: Conducted Spurious Emissions, High CH 2197.5 MHz, 5 MHz, 256QAM, Frequency range: 3.5 – 12.0 GHz

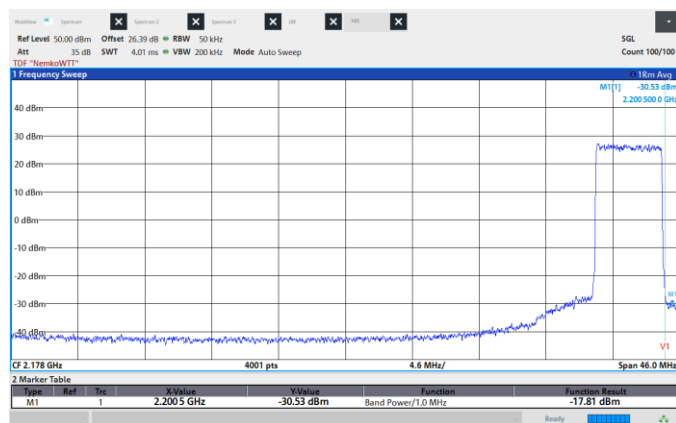


Figure 8.6-43: Conducted Spurious Emissions, High CH 2197.5 MHz, 5 MHz, 256QAM, High band edge.

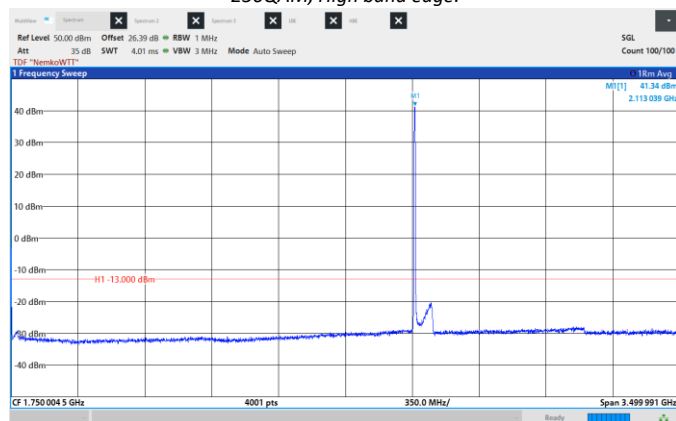


Figure 8.6-45: Conducted Spurious Emissions, Low CH 2112.5 MHz, 5 MHz, 1024QAM, Frequency range: 0.009 -3500 MHz.

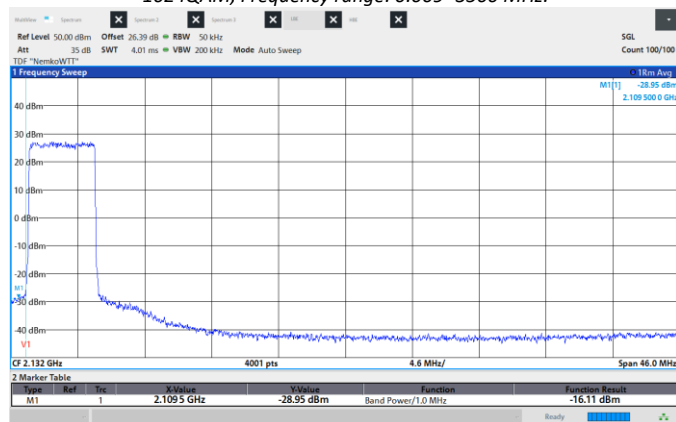


Figure 8.6-47: Conducted Spurious Emissions, Low CH 2112.5 MHz, 5 MHz, 1024QAM, Low band edge.

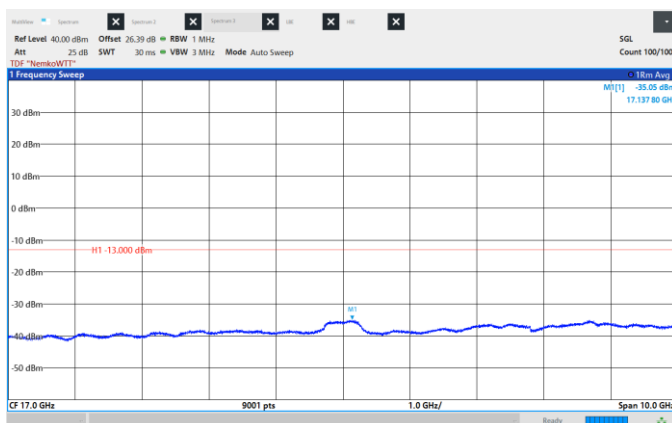


Figure 8.6-44: Conducted Spurious Emissions, High CH 2197.5 MHz, 5 MHz, 256QAM, Frequency range: 12.0 – 22.0 GHz.

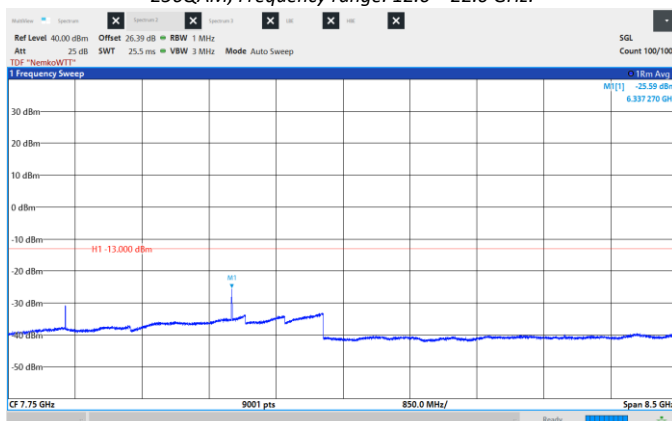


Figure 8.6-46: Conducted Spurious Emissions, Low CH 2112.5 MHz, 5 MHz, 1024QAM, Frequency range: 3.5 -12.0 GHz.

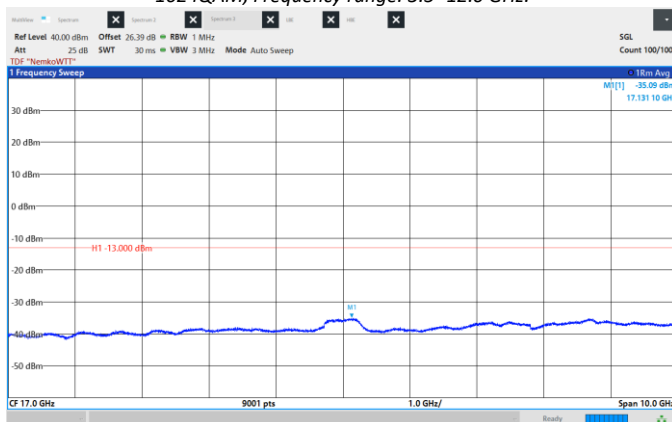


Figure 8.6-48: Conducted Spurious Emissions, Low CH 2112.5 MHz, 5 MHz, 1024QAM, Frequency range: 12.0 – 22.0 GHz.

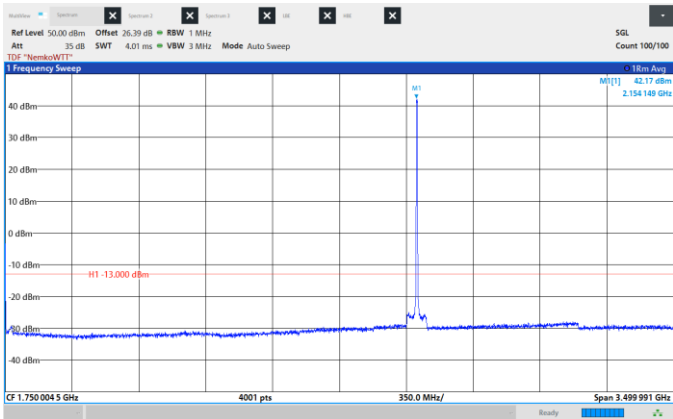


Figure 8.6-49: Conducted Spurious Emissions, Mid CH 2155 MHz, 5 MHz, 1024QAM, Frequency range: 0.009 – 3500 MHz.

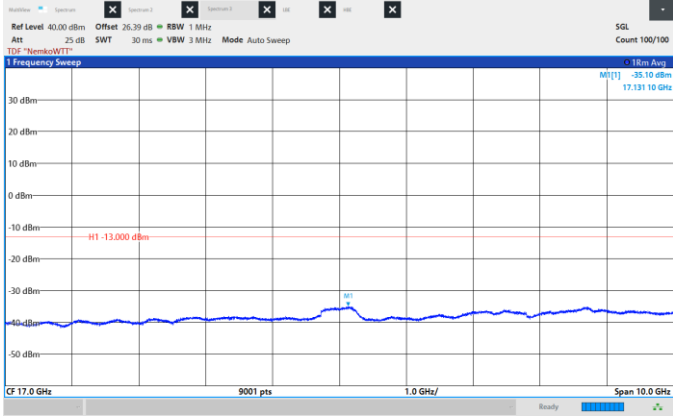


Figure 8.6-51: Conducted Spurious Emissions, Mid CH 2155 MHz, 5 MHz, 1024QAM, Frequency range: 12.0 -22.0 GHz.

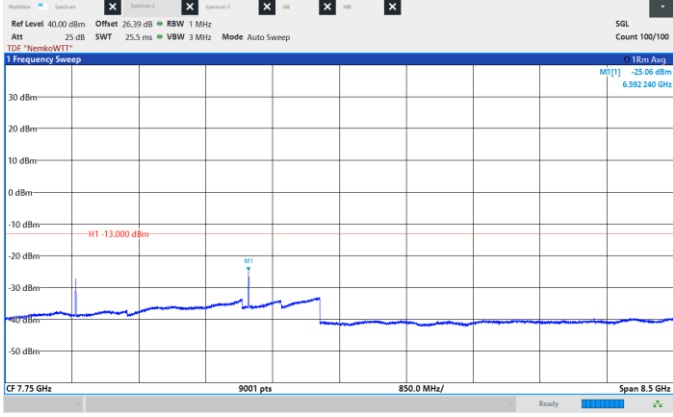


Figure 8.6-53: Conducted Spurious Emissions, High CH 2197.5 MHz, 5 MHz, 1024QAM, Frequency range: 3.5 -12.0 GHz.

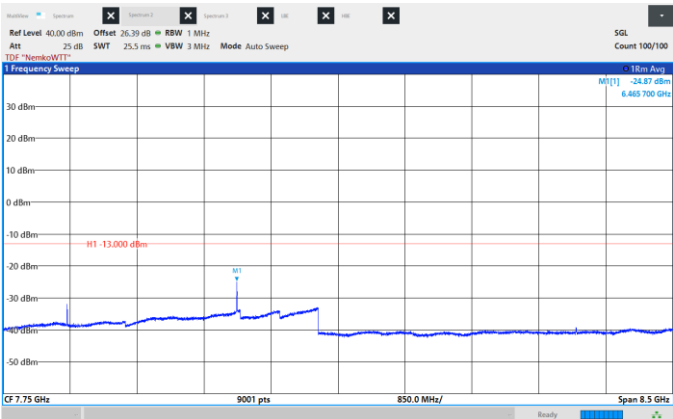


Figure 8.6-50: Conducted Spurious Emissions, Mid CH 2155 MHz, 5 MHz, 1024QAM, Frequency range: 3.5 – 12.0 GHz.

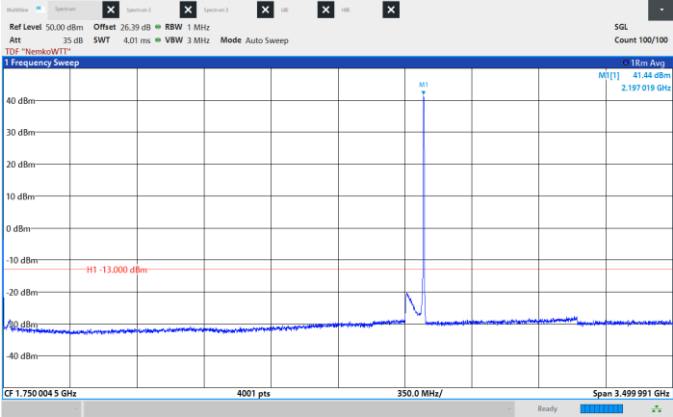


Figure 8.6-52: Conducted Spurious Emissions, High CH 2197.5 MHz, 5 MHz, 1024QAM, Frequency range: 0.009 -3500 MHz.

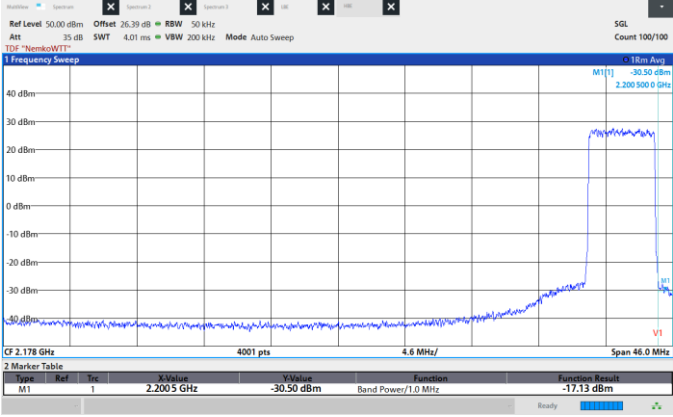


Figure 8.6-54: Conducted Spurious Emissions, High CH 2197.5 MHz, 5 MHz, 1024QAM, High band edge.

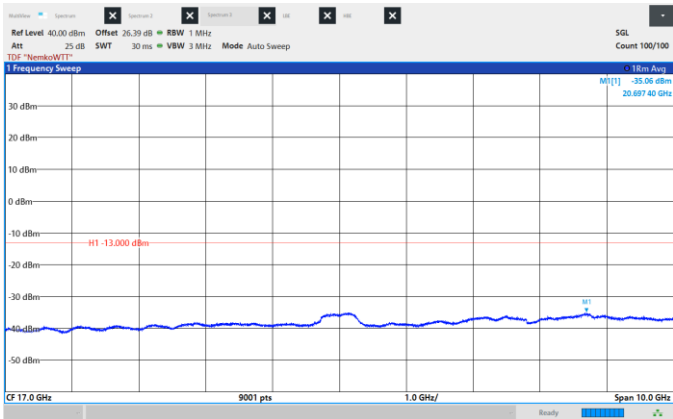


Figure 8.6-55: Conducted Spurious Emissions High CH 2197.5 MHz, 5 MHz, 1024QAM, Frequency range: 12.0 -22.0 GHz.

8.6.10 Test data (conducted spurious emissions – 5G NR 10 MHz)

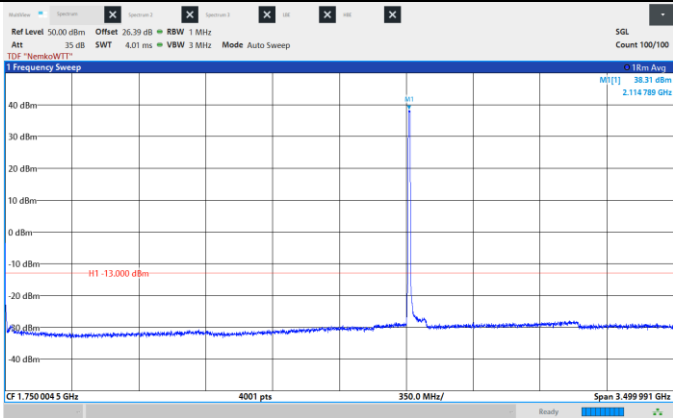


Figure 8.6-56: Conducted Spurious Emissions, Low CH 2115 MHz, 10 MHz, QPSK, Frequency range: 0.009 – 3500 MHz.

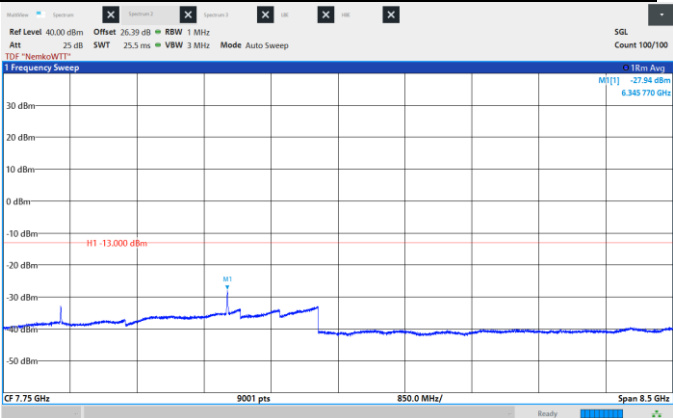


Figure 8.6-57: Conducted Spurious Emissions, Low CH 2115 MHz, 10 MHz, QPSK, Frequency range: 3.5 -12.0 GHz.

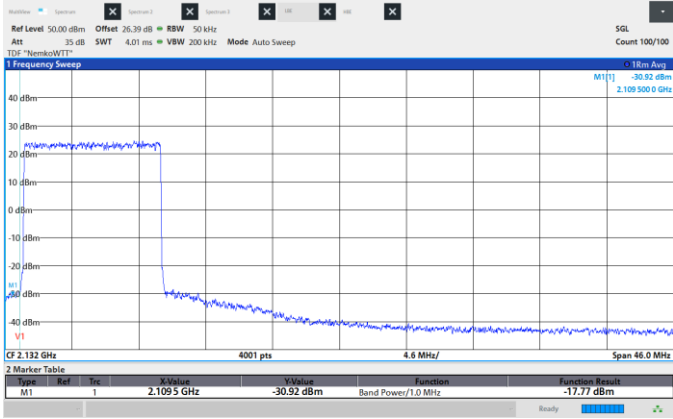


Figure 8.6-58: Conducted Spurious Emissions, Low CH 2115 MHz, 10 MHz, QPSK, Low band edge.

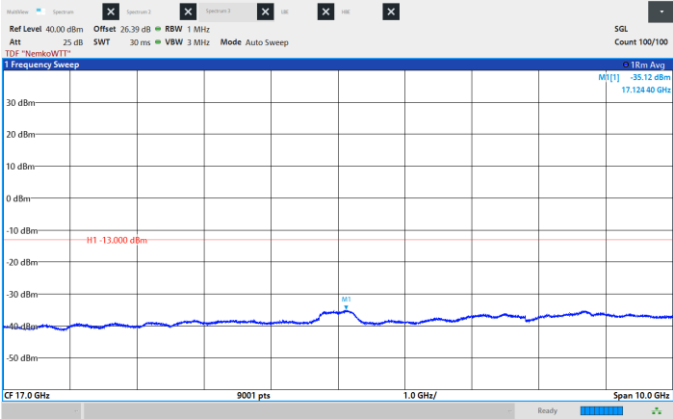


Figure 8.6-59: Conducted Spurious Emissions, Low CH 2115 MHz, 10 MHz, QPSK, Frequency range: 12.0 – 22.0 GHz.

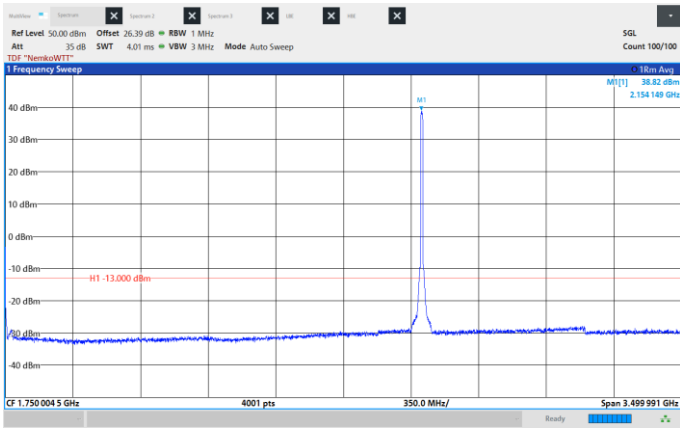


Figure 8.6-60: Conducted Spurious Emissions, Mid CH 2155 MHz, 10 MHz, QPSK, Frequency range: 0.009 - 3500 MHz.

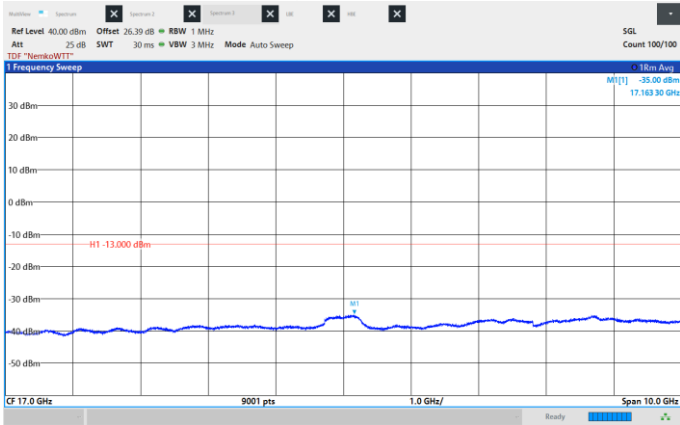


Figure 8.6-62: Conducted Spurious Emissions, Mid CH 2155 MHz, 10 MHz, QPSK, Frequency range: 12.0 - 22.0 GHz.

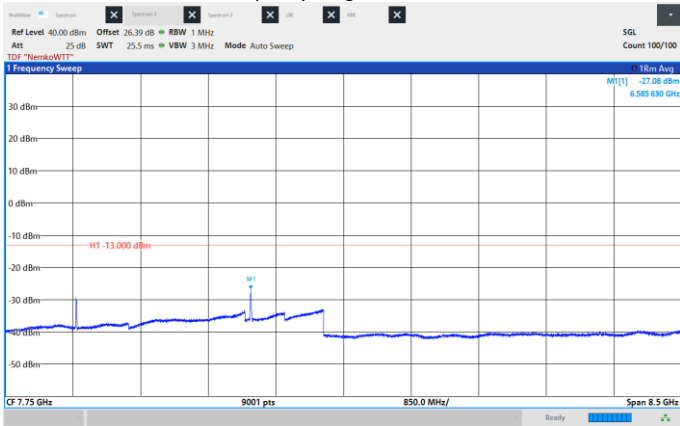


Figure 8.6-64: Conducted Spurious Emissions, High CH 2195 MHz, 10 MHz, QPSK, Frequency range: 3.5 - 12.0 GHz.

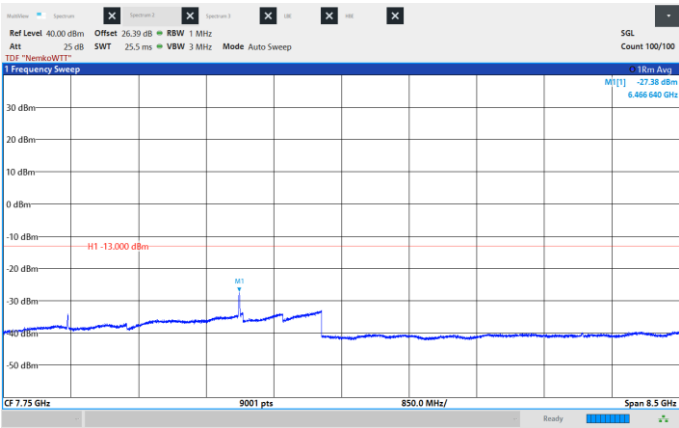


Figure 8.6-61: Conducted Spurious Emissions, Mid CH 2155 MHz, 10 MHz, QPSK, Frequency range: 3.5 - 12.0 GHz.

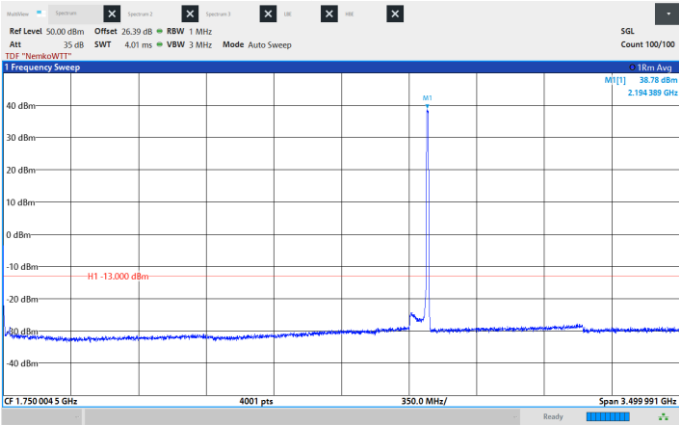


Figure 8.6-63: Conducted Spurious Emissions, High CH 2195 MHz, 10 MHz, QPSK, Frequency range: 0.009 - 3500 MHz.

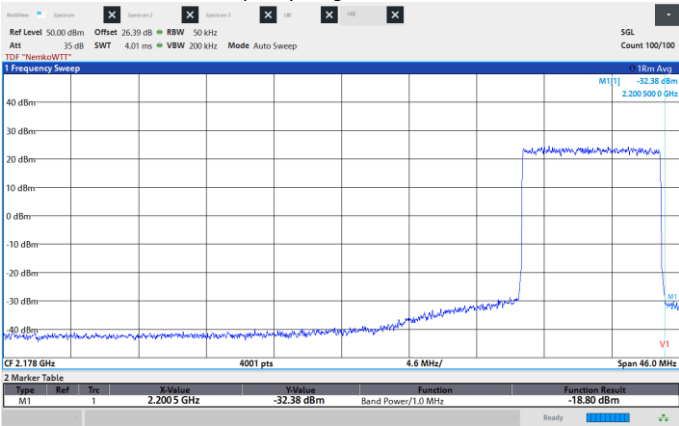


Figure 8.6-65: Conducted Spurious Emissions, High CH 2195 MHz, 10 MHz, QPSK, High band edge.