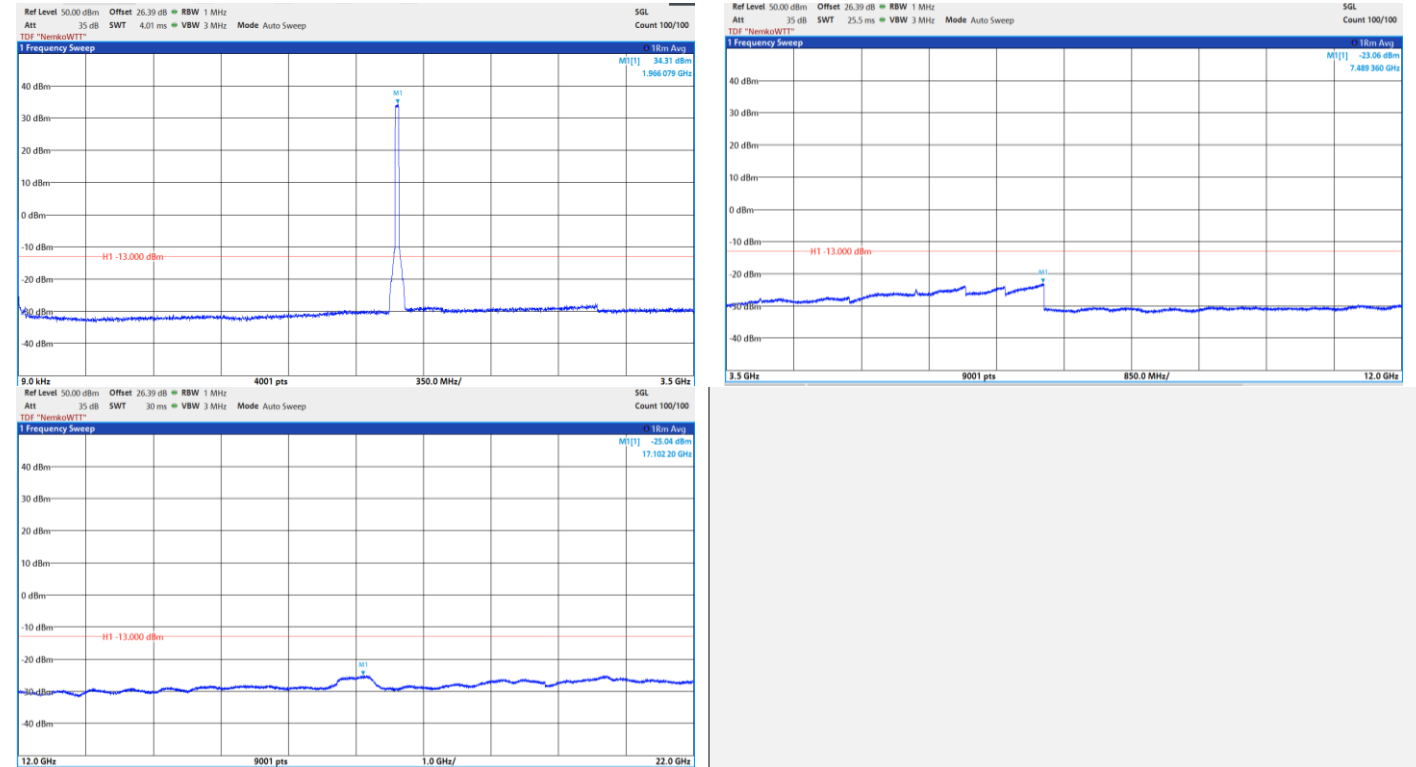
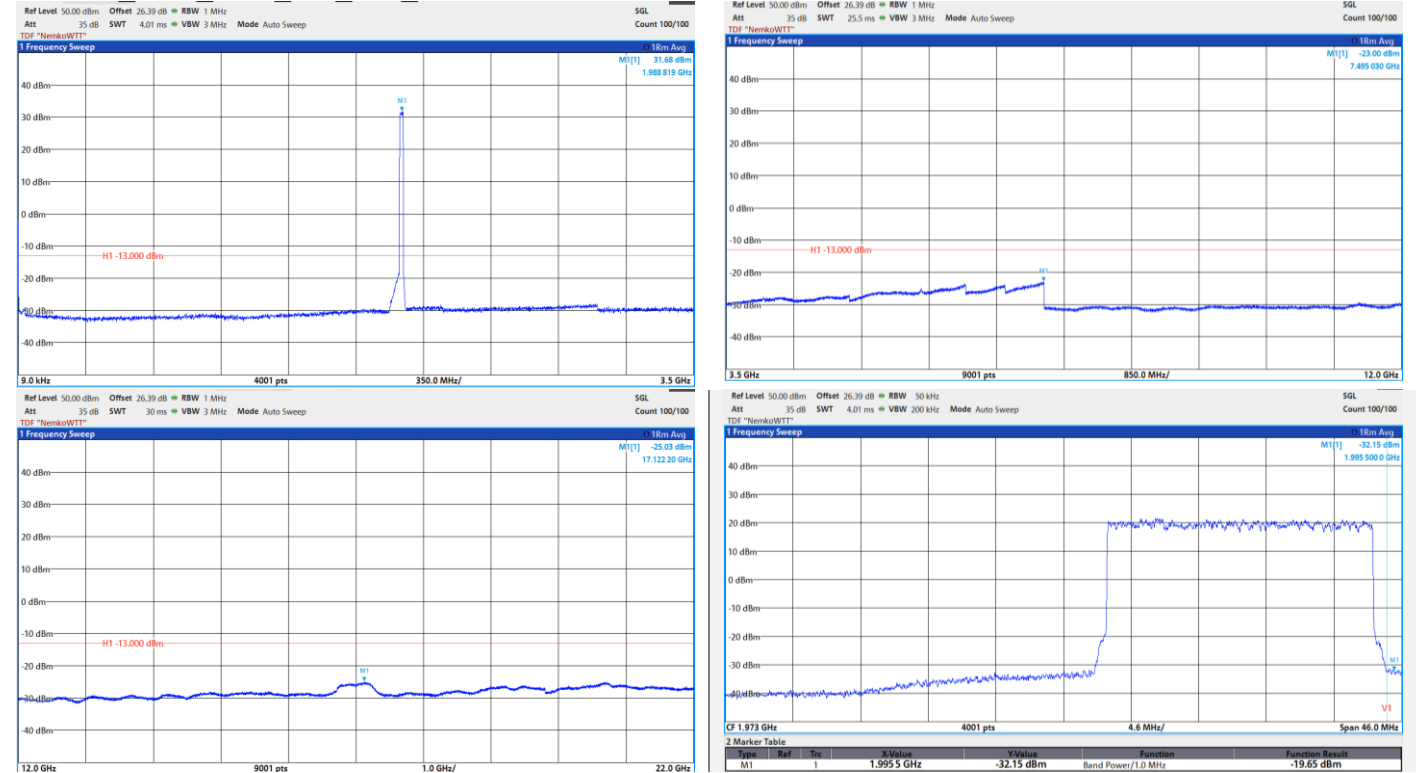




16QAM operation: MID channel

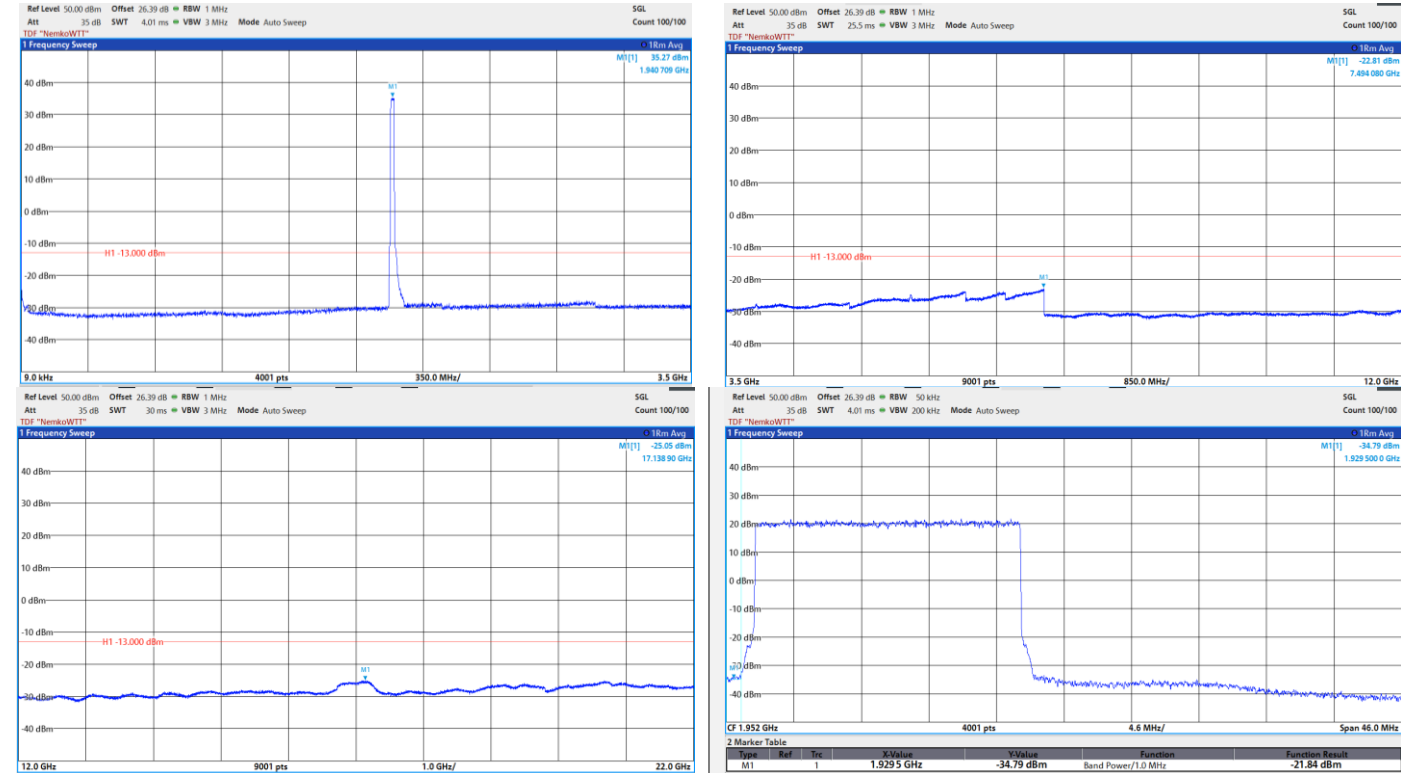


16QAM operation: HIGH channel

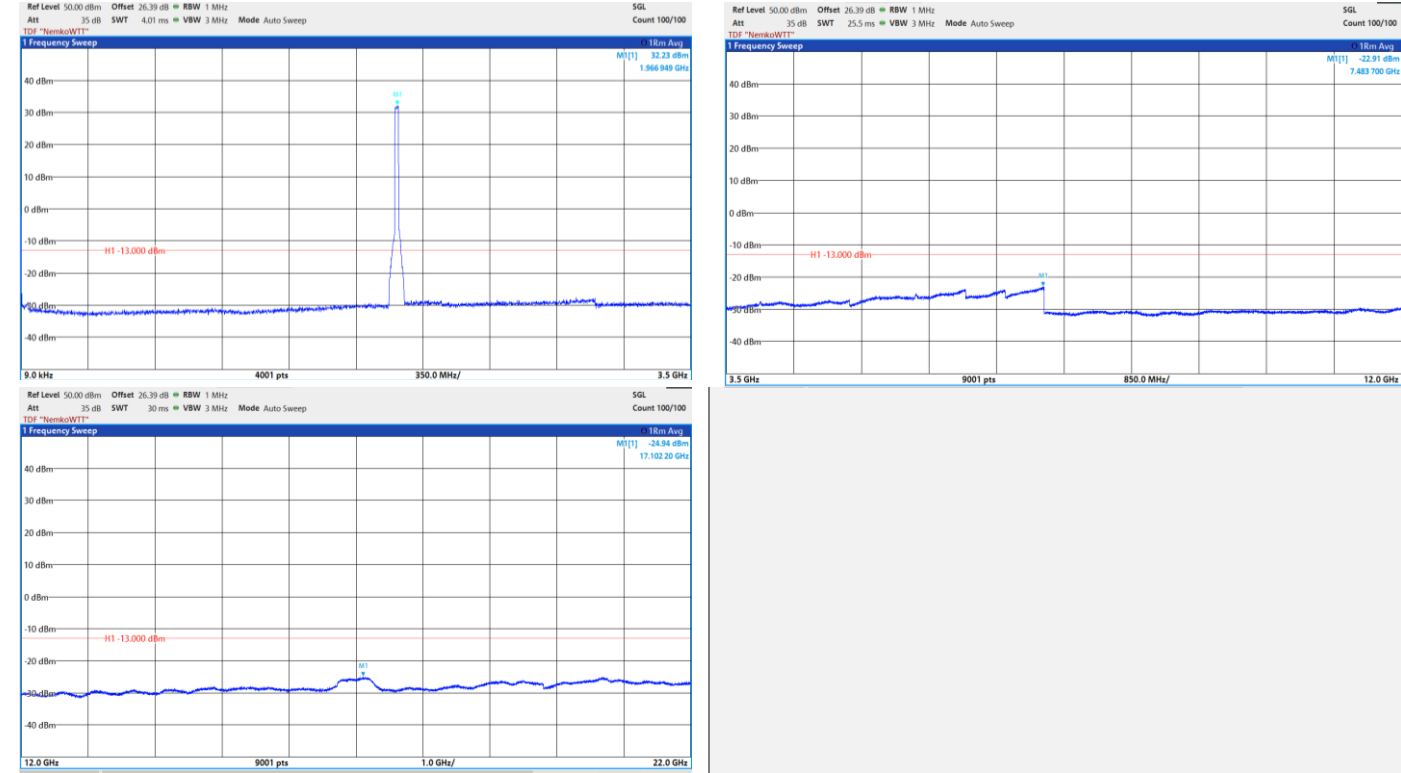




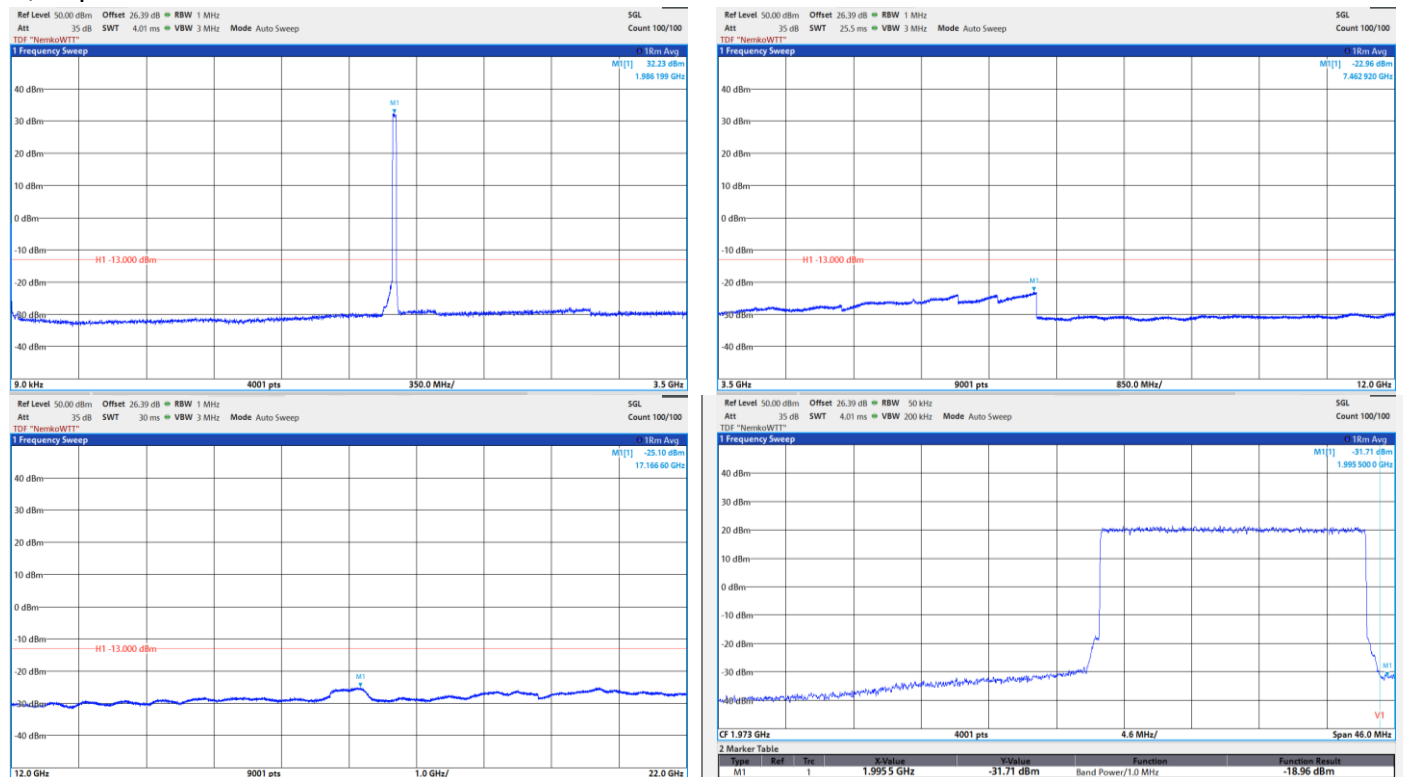
64QAM operation: LOW channel



64QAM operation: MID channel



64QAM operation: HIGH channel



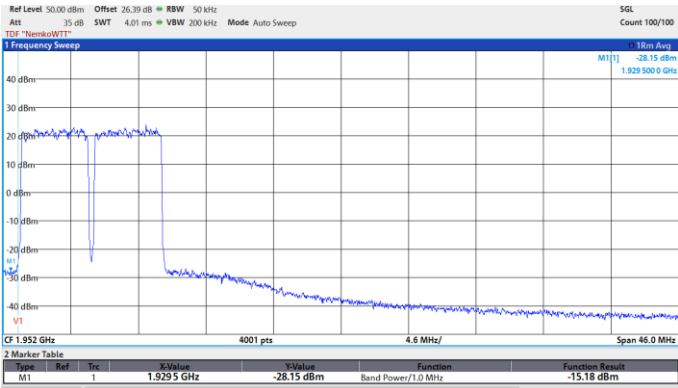
8.6.8 Test data (conducted spurious emissions – LTE multi-carrier operation)

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

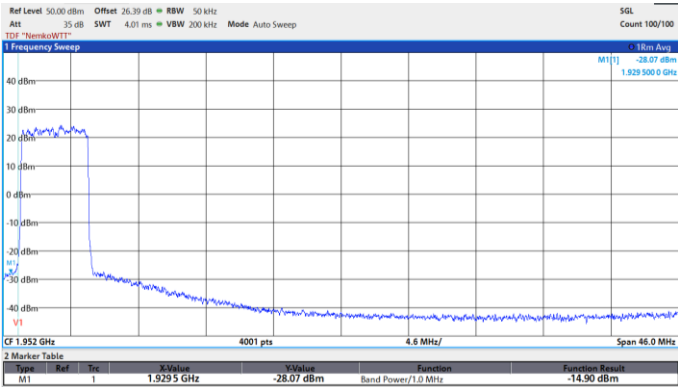
Table 8.6-1: LTE multi-carrier operating modes

Scenario	# Carrier	Bandwidth (MHz)	F1 (DL MHz)	F2 (DL MHz)	F3 (DL MHz)	Comments
1	2	5/5	1932.5	1937.5	N/A	64QAM modulation, 2 contiguous carriers at lowest channels. Low band edge emissions measured.
2	2	5/5	1987.5	1992.5	N/A	64QAM modulation, 2 contiguous carriers at highest channels. High band edge emissions measured.
3	2	5/5	1932.5	1992.5	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	1932.5	1937.5	1942.5	64QAM modulation, 3 contiguous carriers at lowest channels. Low band edge emissions measured.
5	3	5/5/5	1932.5	1962.5	1992.5	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.

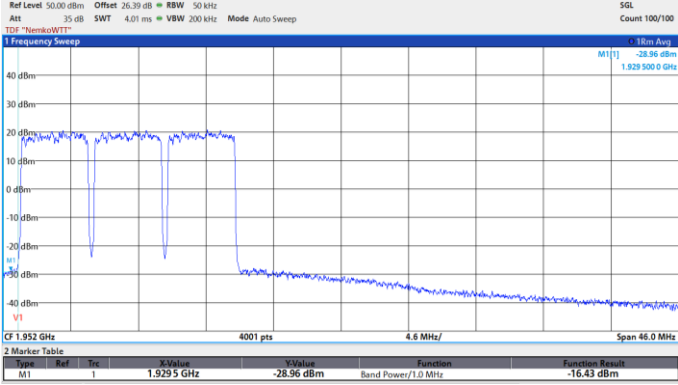
(5 MHz channel bandwidth selected to maximize the power spectral density)



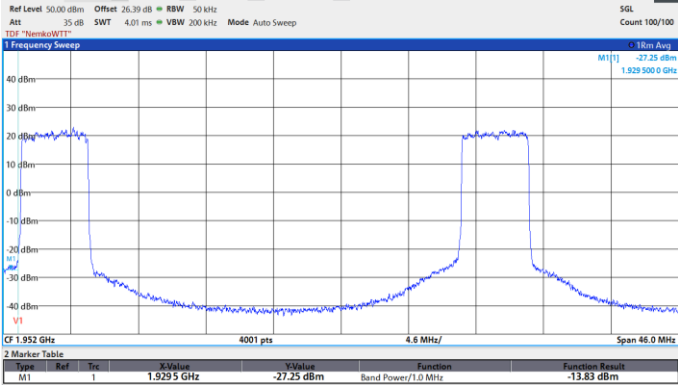
Scenario 1



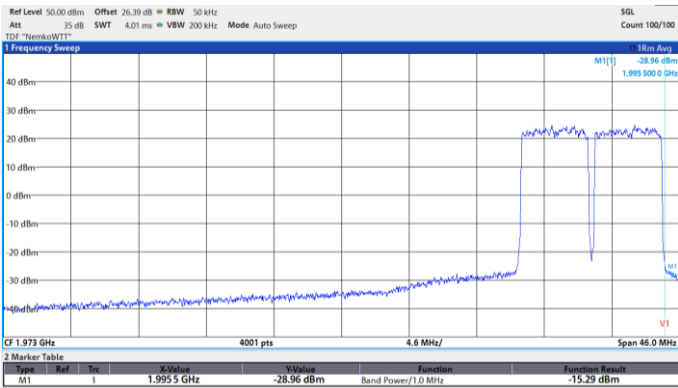
Scenario 3 (Low band edge)



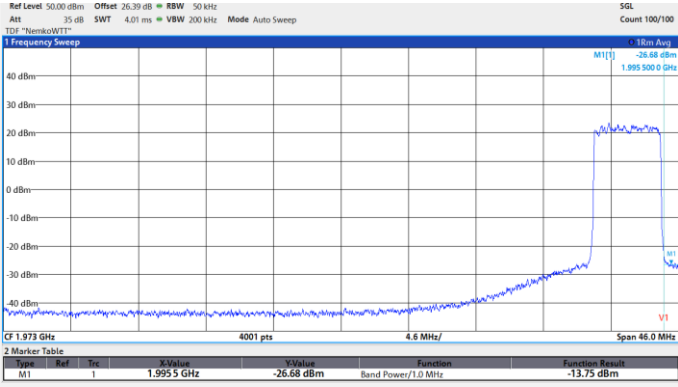
Scenario 4



Scenario 5 (Low band edge)



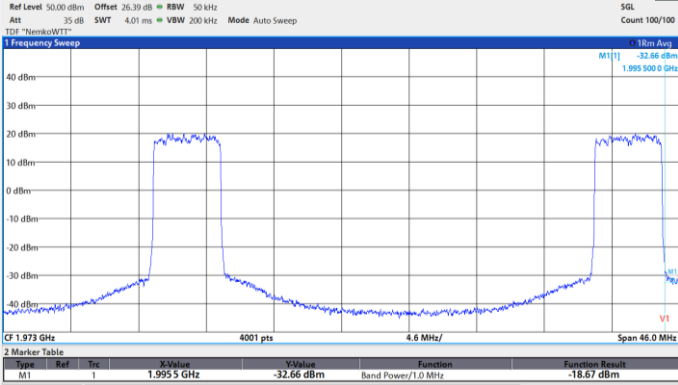
Scenario 2



Scenario 3 (High band edge)



Scenario 4



Scenario 5 (High band edge)

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

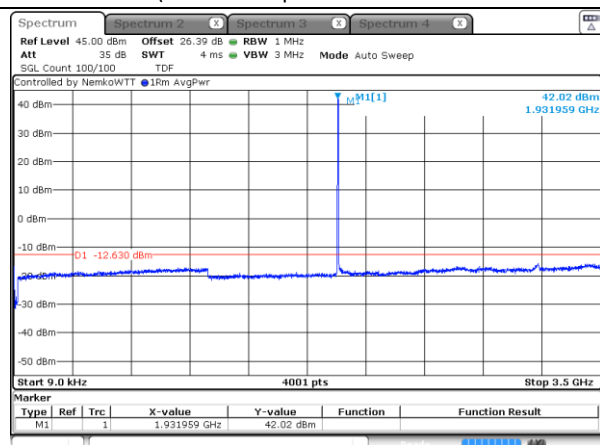


Figure 8.6-1: Conducted Spurious Emissions, Low CH 1932.5 MHz, 5 MHz, QPSK, Frequency range: 0.009 – 3500 MHz.

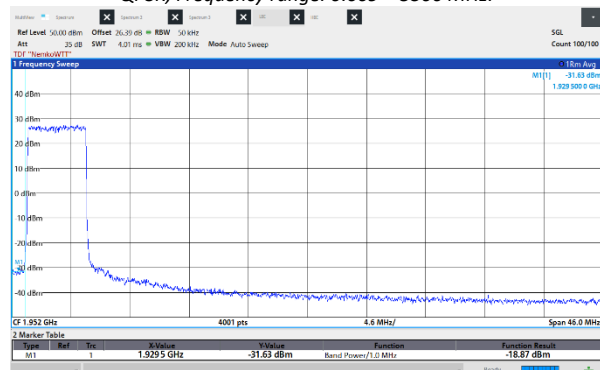


Figure 8.6-3: Conducted Spurious Emissions, Low CH 1932.5 MHz, 5 MHz, QPSK, Low band edge.

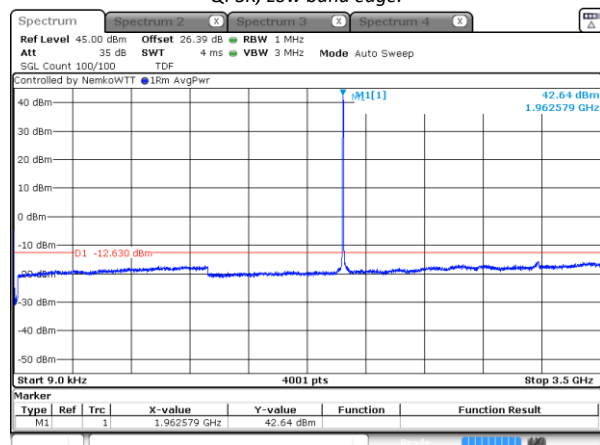


Figure 8.6-5: Conducted Spurious Emissions, Mid CH 1962.5 MHz, 5 MHz, QPSK, Frequency range: 0.009 – 3500 MHz.

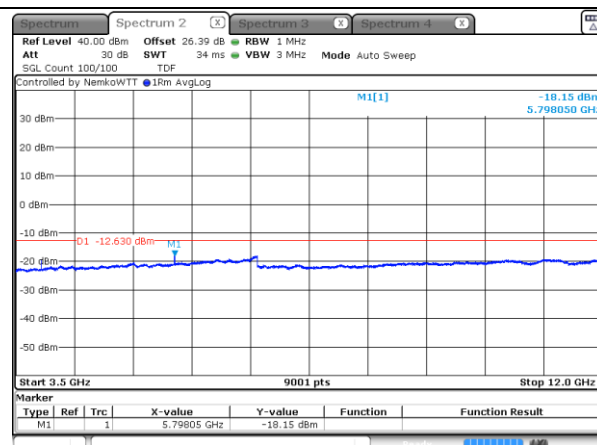


Figure 8.6-2: Conducted Spurious Emissions, Low CH 1932.5 MHz, 5 MHz, QPSK, Frequency range: 3.5 – 12.0 GHz.

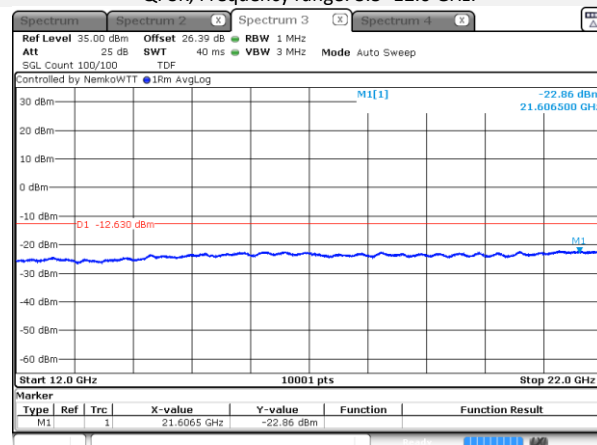


Figure 8.6-4: Conducted Spurious Emissions, Low CH 1932.5 MHz, 5 MHz, QPSK, Frequency range: 12.0 – 22.0 GHz.

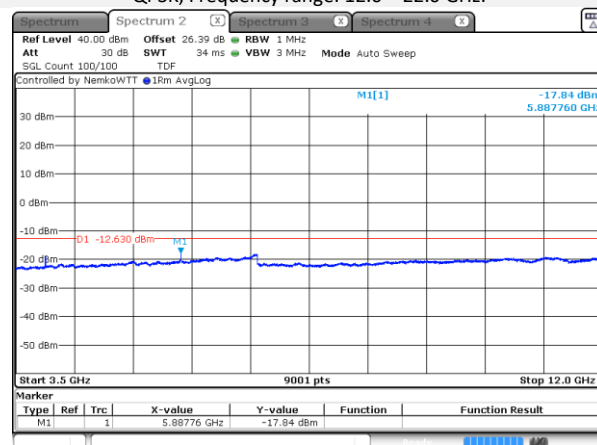


Figure 8.6-6: Conducted Spurious Emissions, Mid CH 1962.5 MHz, 5 MHz, QPSK, Frequency range: 3.5 – 12.0 GHz.

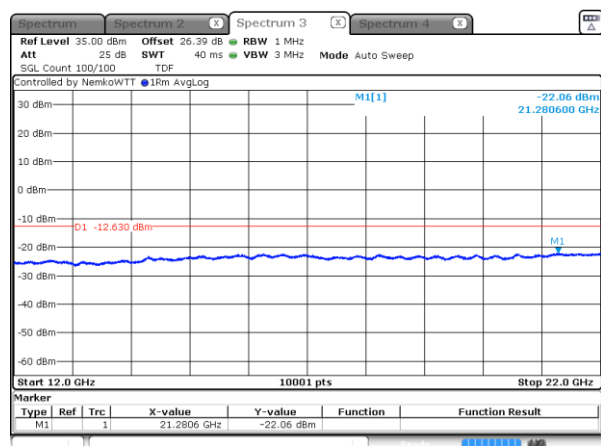


Figure 8.6-7: Conducted Spurious Emissions, Mid CH 1962.5 MHz, 5 MHz, QPSK, Frequency range: 12.0 – 22.0 GHz.

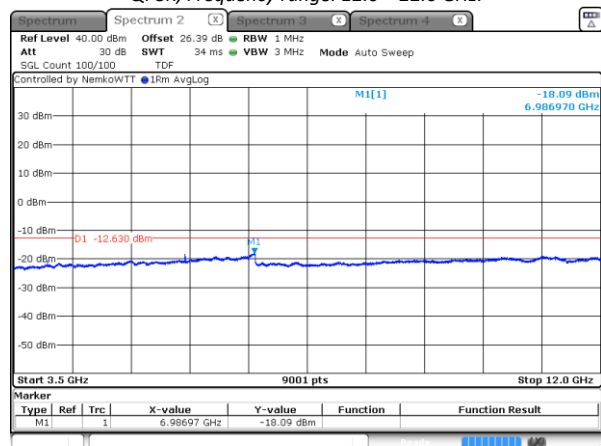


Figure 8.6-9: Conducted Spurious Emissions, High CH 1992.5 MHz, 5 MHz, QPSK, Frequency range: 3.5 -12.0 GHz.

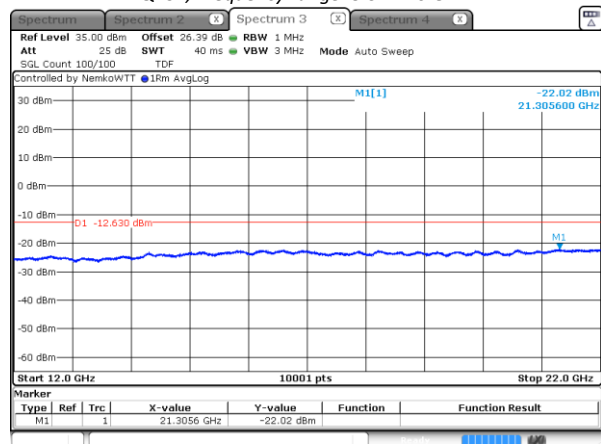


Figure 8.6-11: Conducted Spurious Emissions, High CH 1992.5 MHz, 5 MHz, QPSK, Frequency range: 12.0 -22.0 GHz

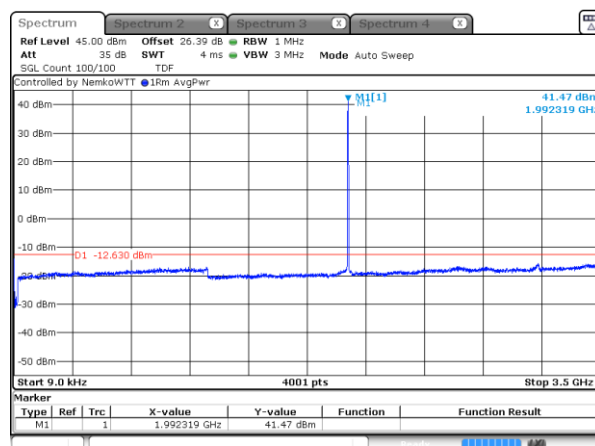


Figure 8.6-8: Conducted Spurious Emissions, High CH 1992.5 MHz, 5 MHz, QPSK, Frequency range: 0.009 – 3500 MHz.

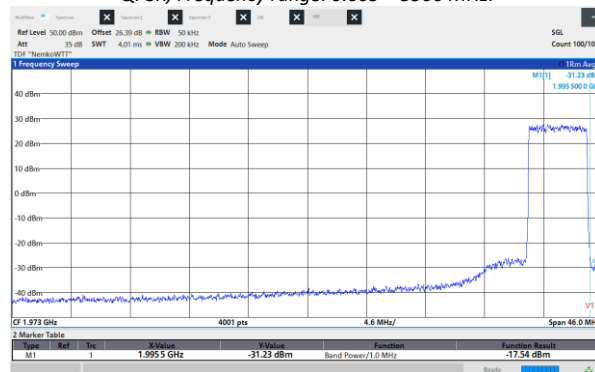


Figure 8.6-10: Conducted Spurious Emissions, High CH 1992.5 MHz, 5 MHz, QPSK, High band edge.

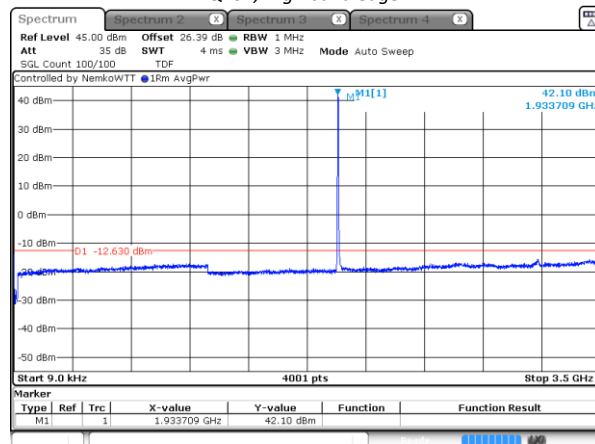


Figure 8.6-12: Conducted Spurious Emissions, Low CH 1932.5 MHz, 5 MHz, 16QAM, Frequency range: 0.009 – 3500 MHz.

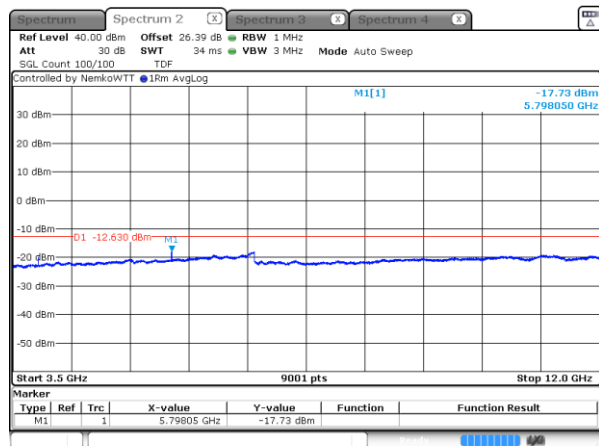


Figure 8.6-13: Conducted Spurious Emissions, Low CH 1932.5 MHz, 5 MHz, 16QAM, Frequency range: 3.5 – 12.0 GHz.

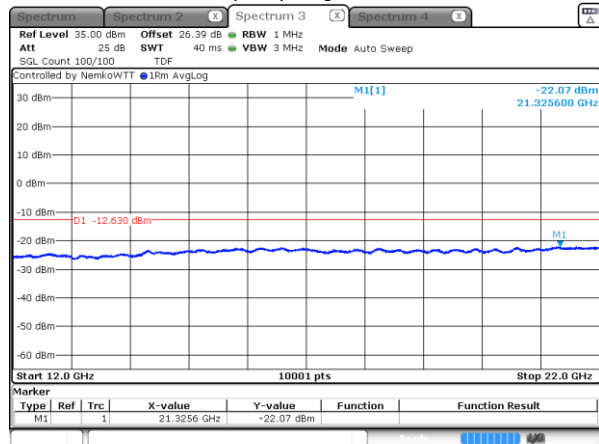


Figure 8.6-15: Conducted Spurious Emissions, Low CH 1932.5 MHz, 5 MHz, 16QAM, Frequency range: 12.0 - 22.0 GHz

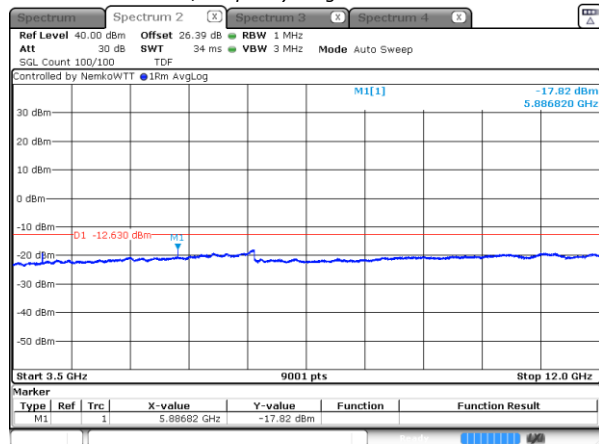


Figure 8.6-17: Conducted Spurious Emissions, Mid CH 1962.5 MHz, 5 MHz, 16QAM, Frequency range: 3.5 - 12.0 GHz.

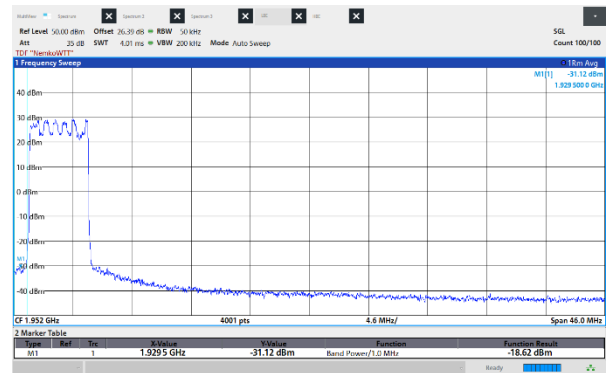


Figure 8.6-14: Conducted Spurious Emissions, Low CH 1932.5 MHz, 5 MHz, 16QAM, Low band edge.

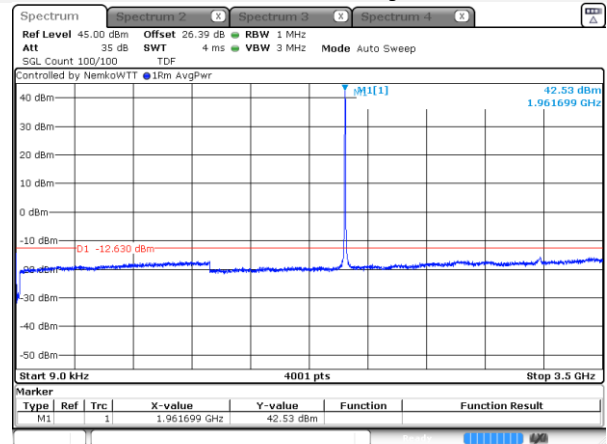


Figure 8.6-16: Conducted Spurious Emissions, Mid CH 1962.5 MHz, 5 MHz, 16QAM, Frequency range: 0.009 - 3500 MHz

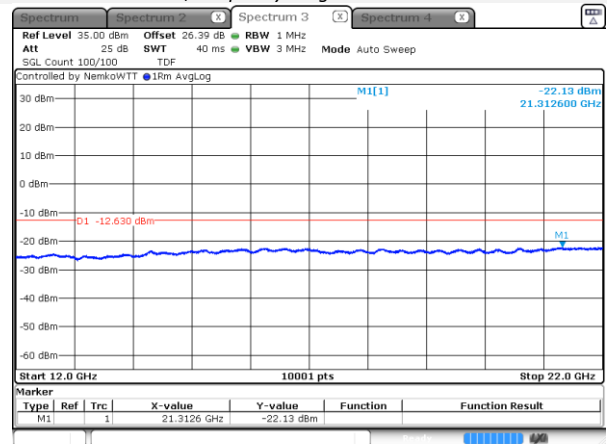
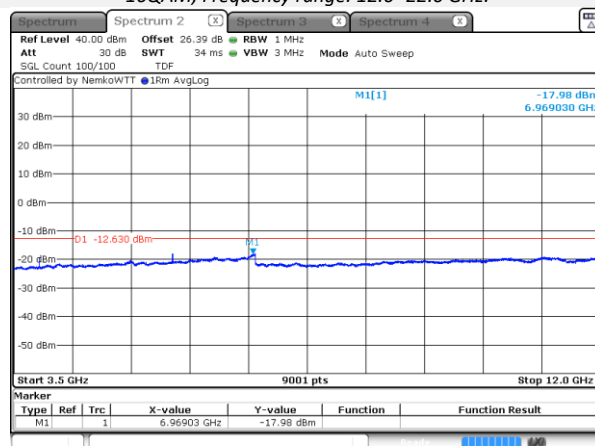
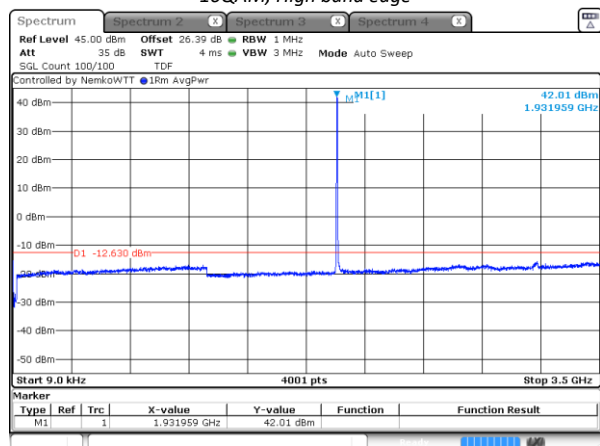
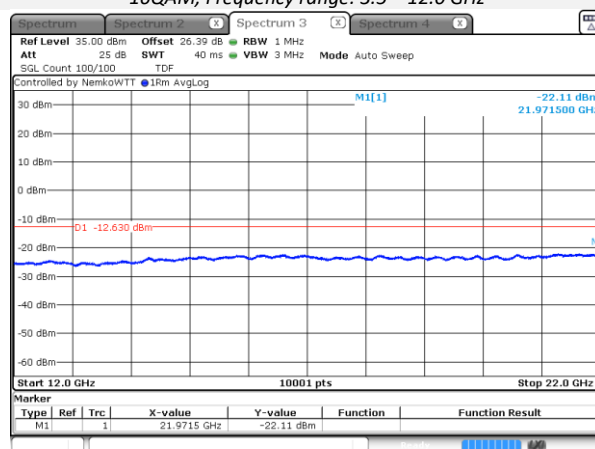
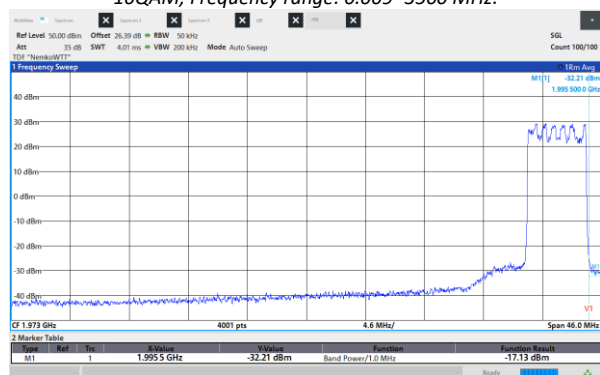
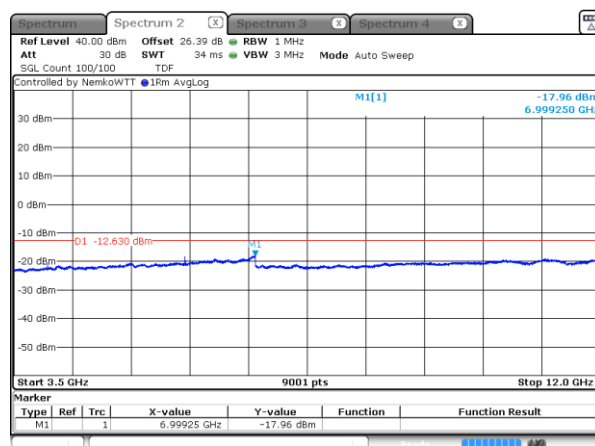
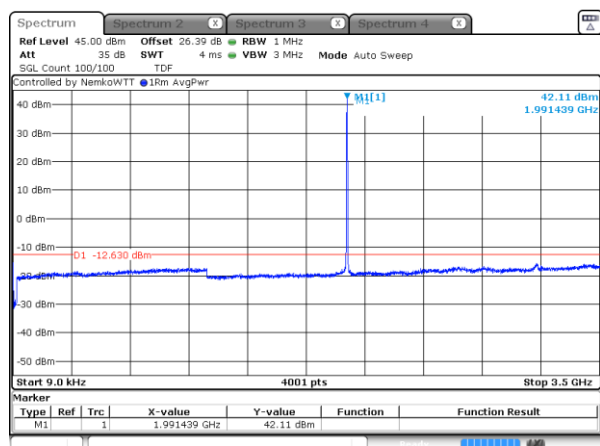


Figure 8.6-18: Conducted Spurious Emissions, Mid CH 1962.5 MHz, 5 MHz, 16QAM, Frequency range: 12.0 – 22.0 GHz.



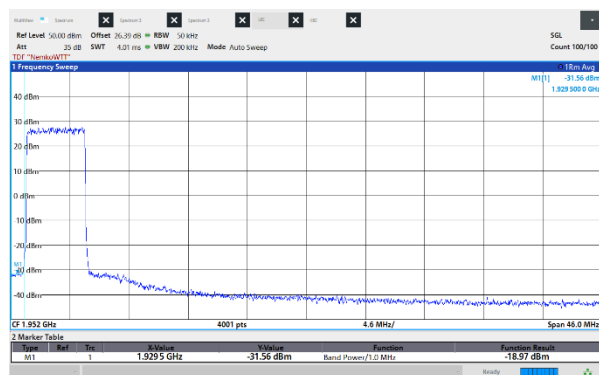


Figure 8.6-25: Conducted Spurious Emissions, Low CH 1932.5 MHz, 5 MHz, 64QAM, Low band edge

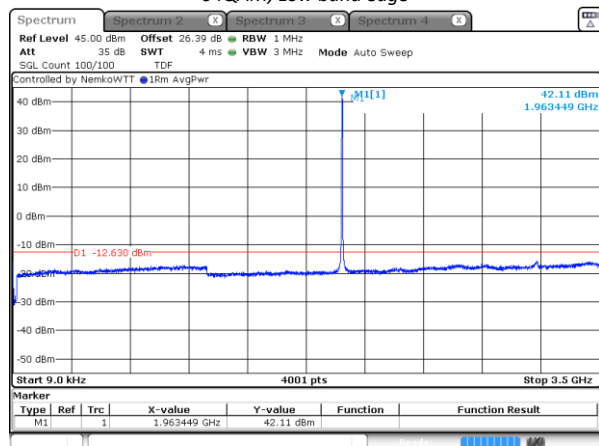


Figure 8.6-27: Conducted Spurious Emissions, Mid CH 1962.5 MHz, 5 MHz, 64QAM, Frequency range: 0.009 -3500 MHz

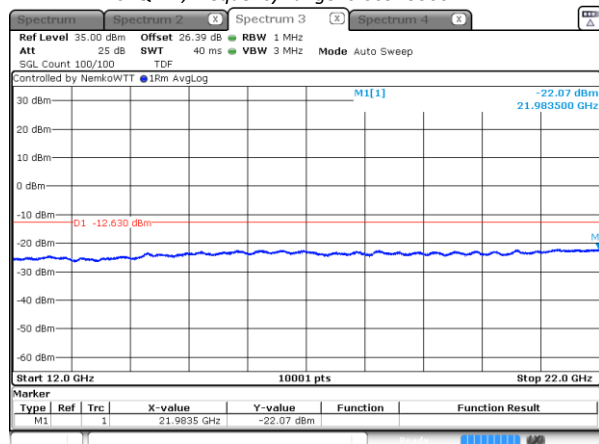


Figure 8.6-29: Conducted Spurious Emissions, Mid CH 1962.5 MHz, 5 MHz, 64QAM, Frequency range: 12.0 – 22.0 GHz.

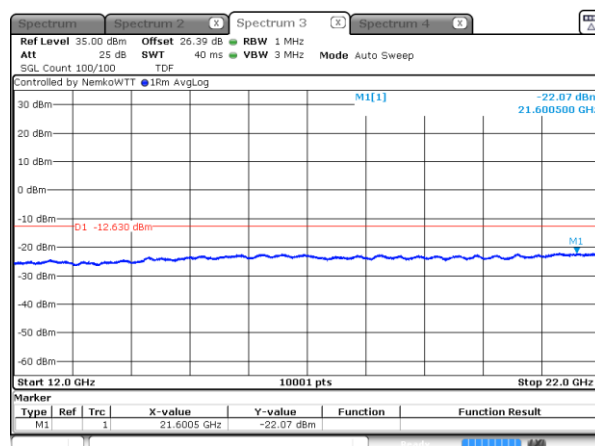


Figure 8.6-26: Conducted Spurious Emissions, Low CH 1932.5 MHz, 5 MHz, 64QAM, Frequency range: 12.0 – 22.0 GHz.

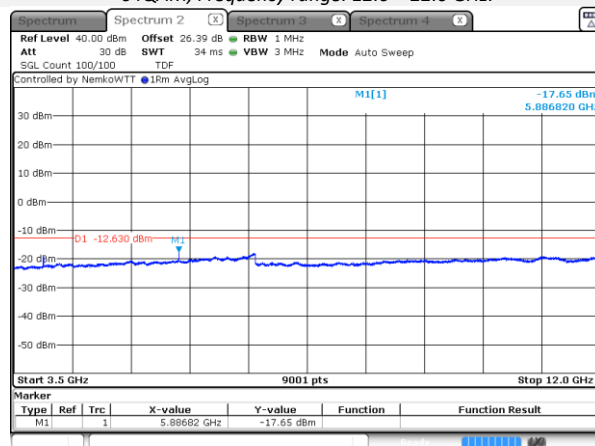


Figure 8.6-28: Conducted Spurious Emissions, Mid CH 1962.5 MHz, 5 MHz, 64QAM, Frequency range: 3.5 -12.0 GHz.

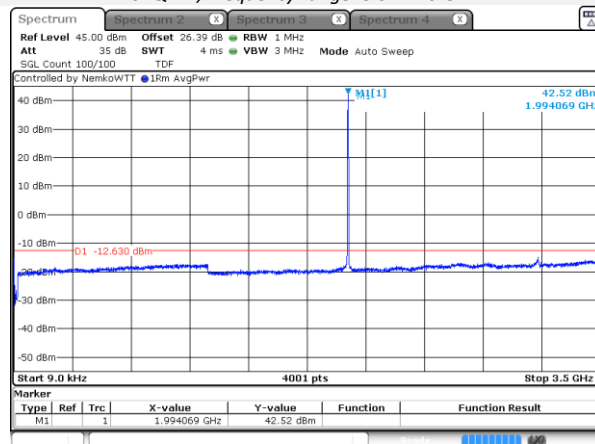


Figure 8.6-30: Conducted Spurious Emissions, High CH 1992.5 MHz, 5 MHz, 64QAM, Frequency range: 0.009 – 3500 MHz.

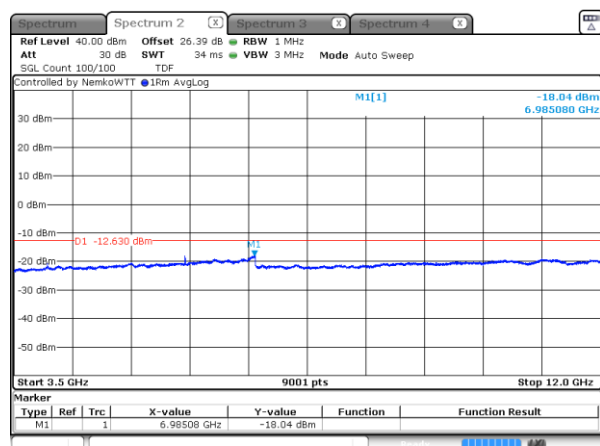


Figure 8.6-31: Conducted Spurious Emissions, High CH 1962.5 MHz, 5 MHz, 64QAM, Frequency range: 3.5 – 12.0 GHz.

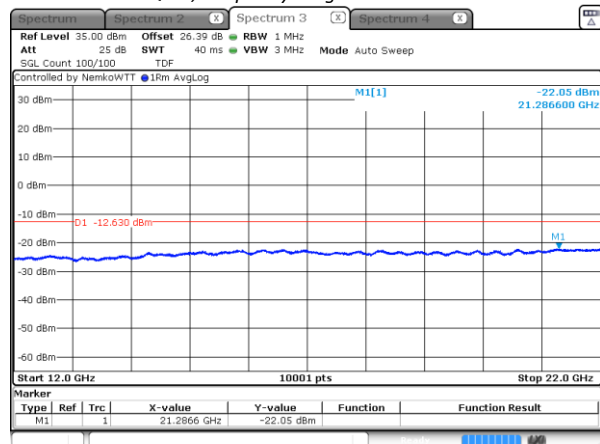


Figure 8.6-33: Conducted Spurious Emissions, High CH 1962.5 MHz, 5 MHz, 64QAM, Frequency range: 12.0 - 22.0 GHz

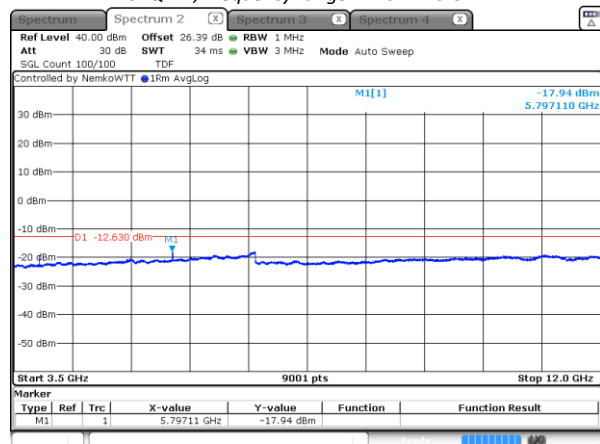


Figure 8.6-35: Conducted Spurious Emissions, Low CH 1932.5 MHz, 5 MHz, 256QAM, Frequency range: 3.5 – 12.0 GHz.

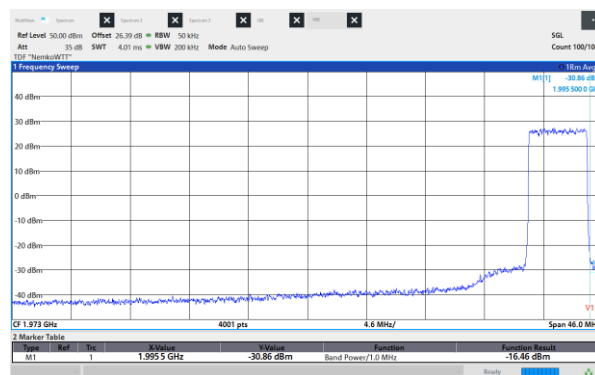


Figure 8.6-32: Conducted Spurious Emissions, High CH 1962.5 MHz, 5 MHz, 64QAM, High band edge.

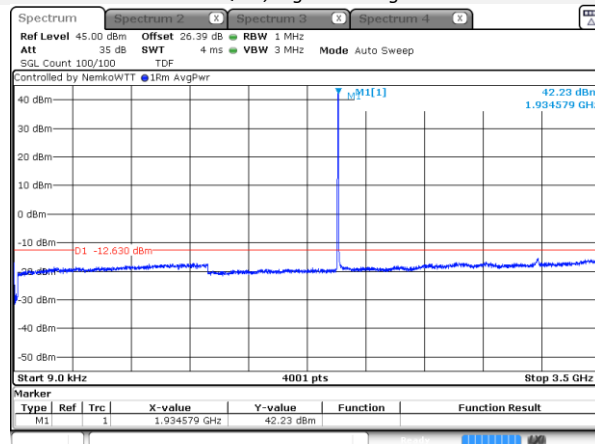


Figure 8.6-34: Conducted Spurious Emissions, Low CH 1932.5 MHz, 5 MHz, 256QAM, Frequency range: 0.009 - 3.500 MHz.

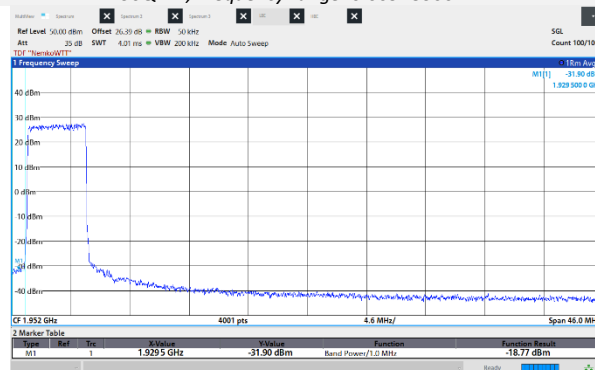


Figure 8.6-36: Conducted Spurious Emissions, Low CH 1932.5 MHz, 5 MHz, 256QAM, Low band edge.

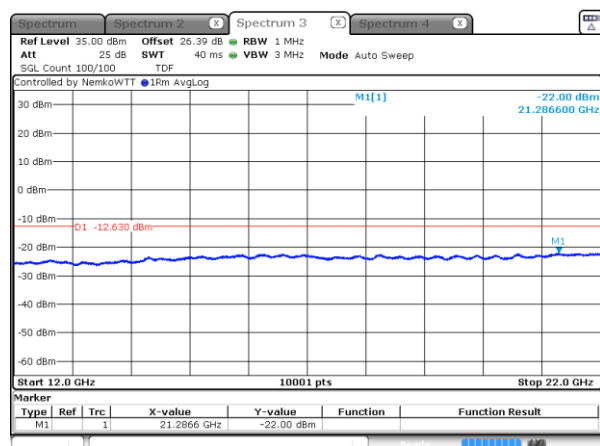


Figure 8.6-37: Conducted Spurious Emissions, Low CH 1932.5 MHz, 5 MHz, 256QAM, Frequency range: 12.0 – 22.0 GHz.

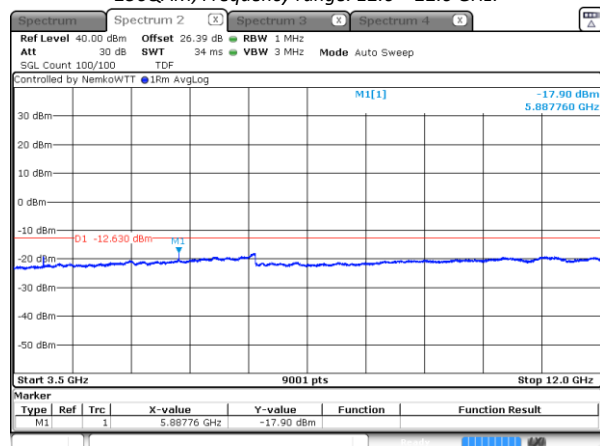


Figure 8.6-39: Conducted Spurious Emissions, Mid CH 1962.5 MHz, 5 MHz, 256QAM, Frequency range: 3.5 – 12.0 GHz.

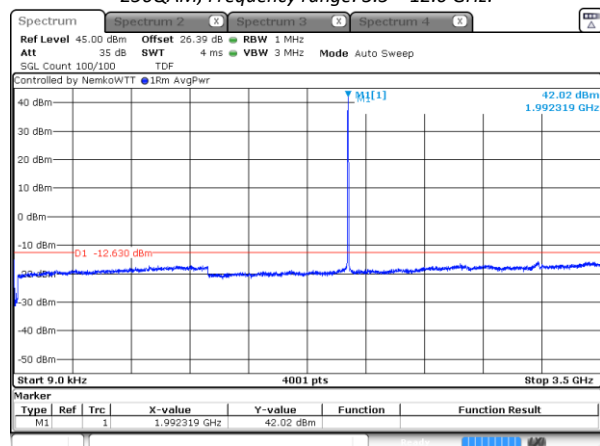


Figure 8.6-41: Conducted Spurious Emissions, High CH 1992.5 MHz, 5 MHz, 256QAM, Frequency range: 0.009 -3500 MHz.

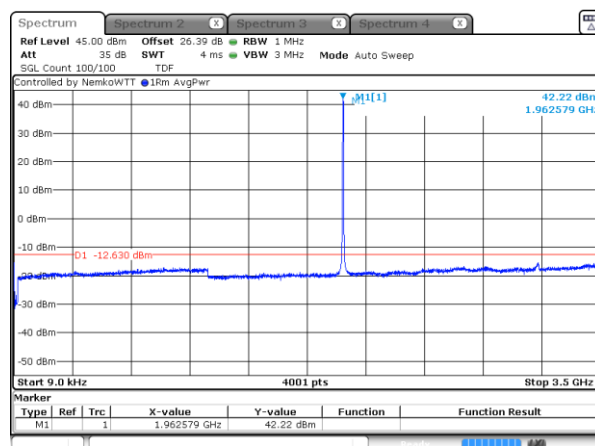


Figure 8.6-38: Conducted Spurious Emissions, Mid CH 1962.5 MHz, 5 MHz, 256QAM, Frequency range: 0.009 – 3500 MHz.

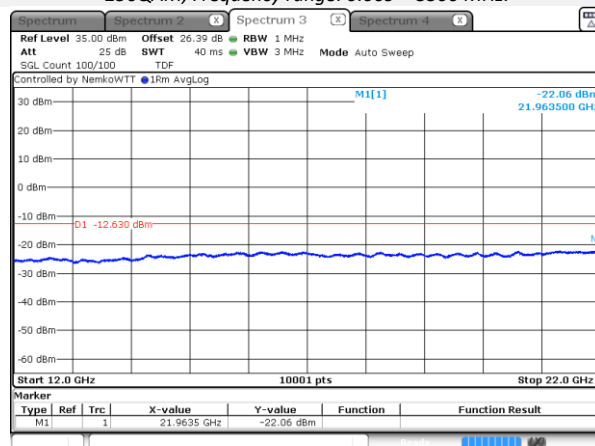


Figure 8.6-40: Conducted Spurious Emissions, Mid CH 1962.5 MHz, 5 MHz, 256QAM, Frequency range: 12.0 -22.0 GHz.

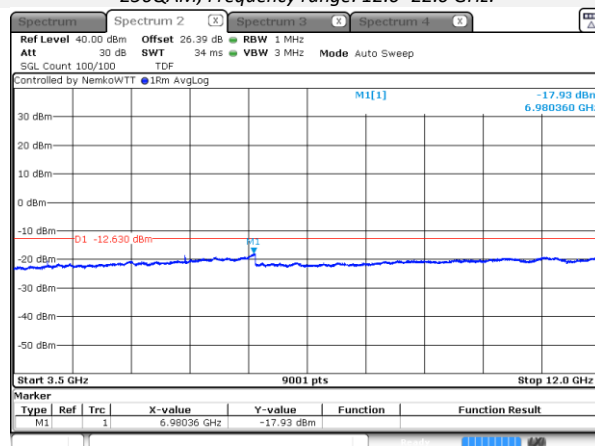


Figure 8.6-42: Conducted Spurious Emissions, High CH 1992.5 MHz, 5 MHz, 256QAM, Frequency range: 3.5 – 12.0 GHz

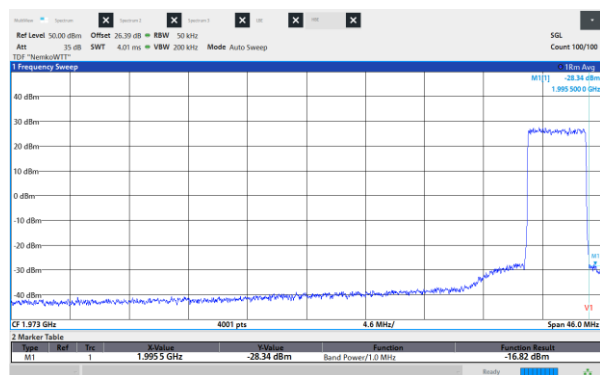


Figure 8.6-43: Conducted Spurious Emissions, High CH 1992.5 MHz, 5 MHz, 256QAM, High band edge.

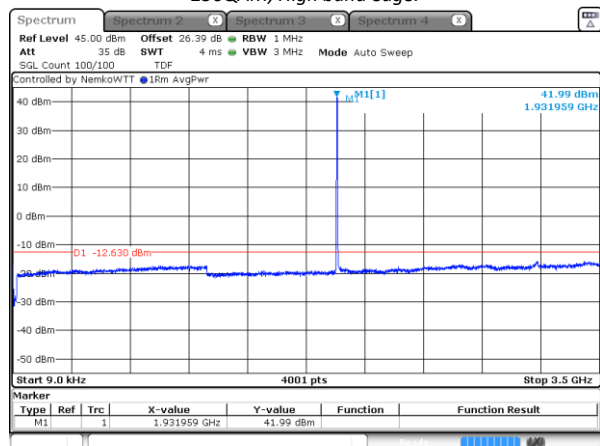


Figure 8.6-45: Conducted Spurious Emissions, Low CH 1932.5 MHz, 5 MHz, 1024QAM, Frequency range: 0.009 -3500 MHz.

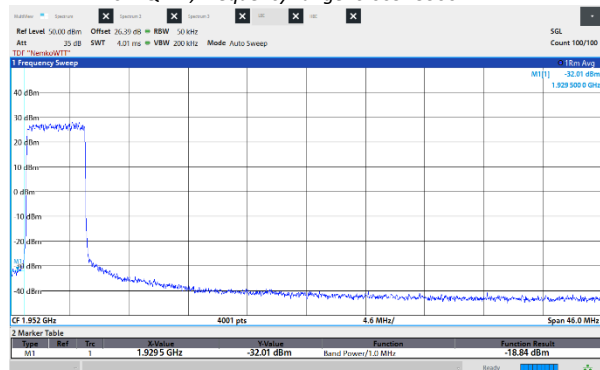


Figure 8.6-47: Conducted Spurious Emissions, Low CH 1932.5 MHz, 5 MHz, 1024QAM, Low band edge.

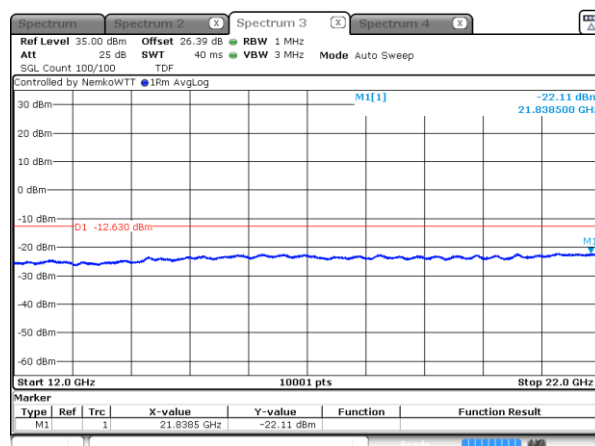


Figure 8.6-44: Conducted Spurious Emissions, High CH 1992.5 MHz, 5 MHz, 256QAM, Frequency range: 12.0 - 22.0 GHz.

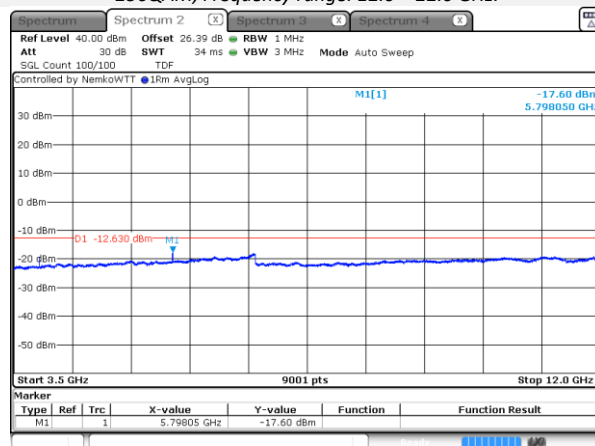


Figure 8.6-46: Conducted Spurious Emissions, Low CH 1932.5 MHz, 5 MHz, 1024QAM, Frequency range: 3.5 -12.0 GHz.

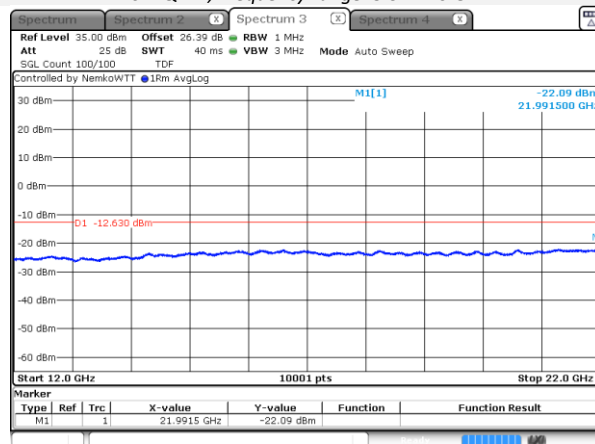


Figure 8.6-48: Conducted Spurious Emissions, Low CH 1932.5 MHz, 5 MHz, 1024QAM, Frequency range: 12.0 - 22.0 GHz.

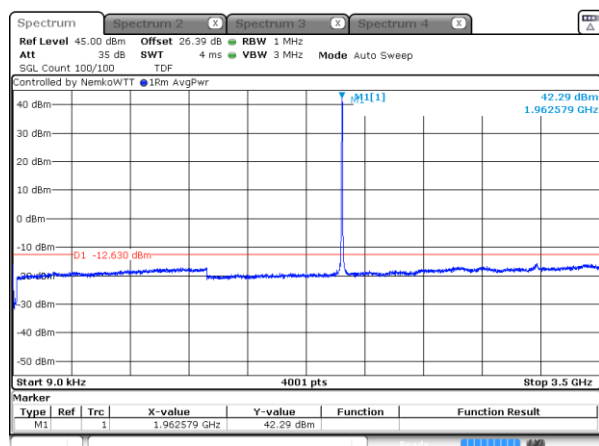


Figure 8.6-49: Conducted Spurious Emissions, Mid CH 1962.5 MHz, 5 MHz, 1024QAM, Frequency range: 0.009 – 3500 MHz.

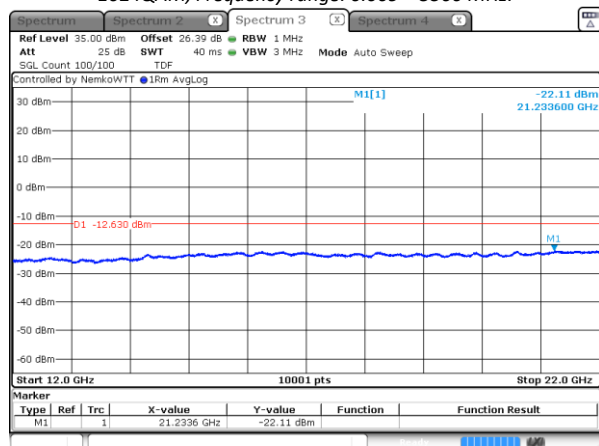


Figure 8.6-51: Conducted Spurious Emissions, Mid CH 1962.5 MHz, 5 MHz, 1024QAM, Frequency range: 12.0 – 22.0 GHz.

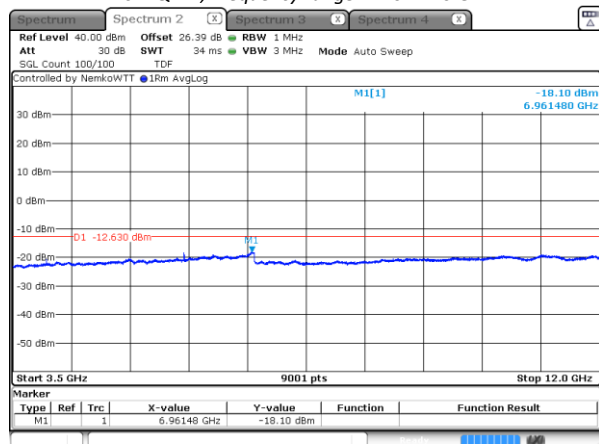


Figure 8.6-53: Conducted Spurious Emissions, High CH 1992.5 MHz, 5 MHz, 1024QAM, Frequency range: 3.5 – 12.0 GHz.

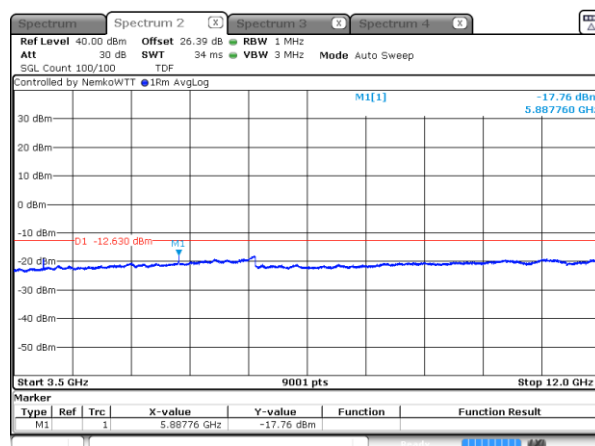


Figure 8.6-50: Conducted Spurious Emissions, Mid CH 1962.5 MHz, 5 MHz, 1024QAM, Frequency range: 3.5 – 12.0 GHz.

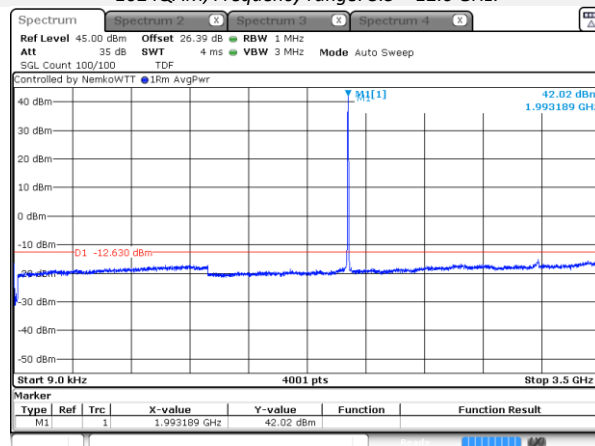


Figure 8.6-52: Conducted Spurious Emissions, High CH 1992.5 MHz, 5 MHz, 1024QAM, Frequency range: 0.009 – 3500 MHz.

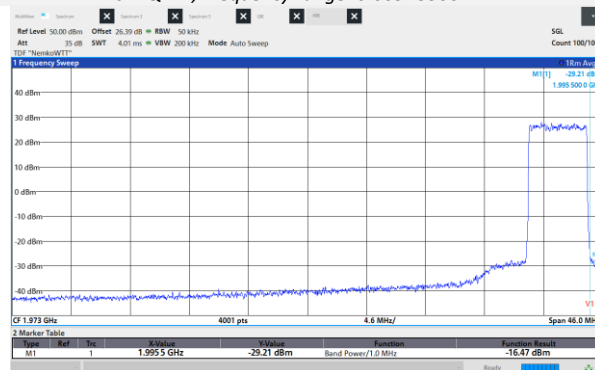


Figure 8.6-54: Conducted Spurious Emissions, High CH 1992.5 MHz, 5 MHz, 1024QAM, High band edge.

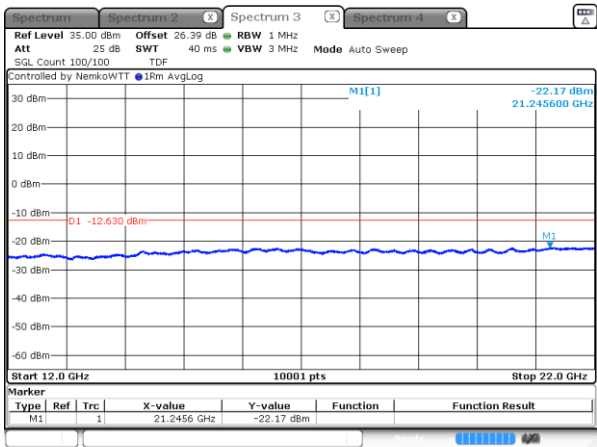


Figure 8.6-55: Conducted Spurious Emissions High CH 1992.5 MHz, 5 MHz, 1024QAM, Frequency range: 12.0 - 22.0 GHz.

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

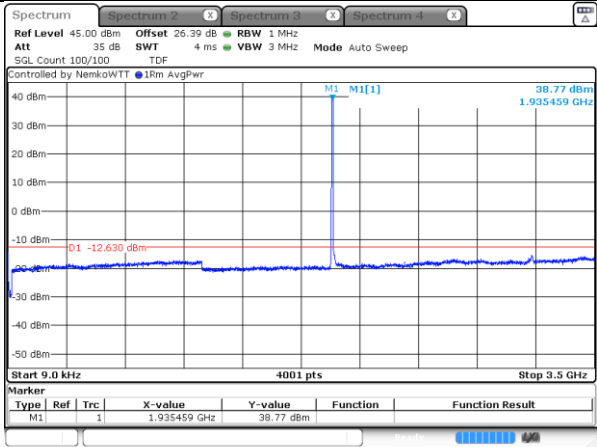


Figure 8.6-56: Conducted Spurious Emissions, Low CH 1935 MHz, 10 MHz, QPSK, Frequency range: 0.009 – 3500 MHz.

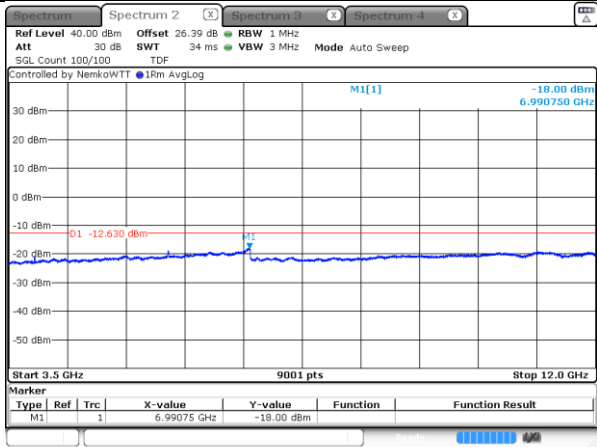


Figure 8.6-57: Conducted Spurious Emissions, Low CH 1935 MHz, 10 MHz, QPSK, Frequency range: 3.5 - 12.0 GHz.

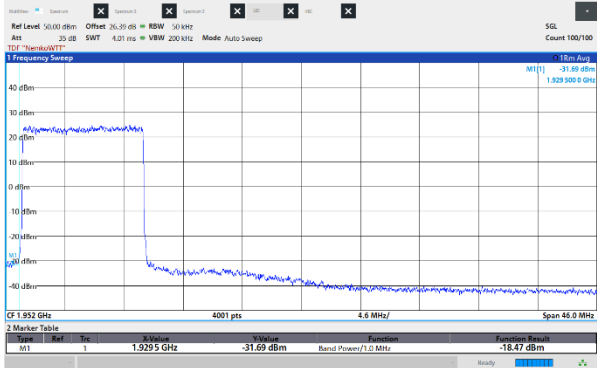


Figure 8.6-58: Conducted Spurious Emissions, Low CH 1935 MHz, 10 MHz, QPSK, Low band edge.

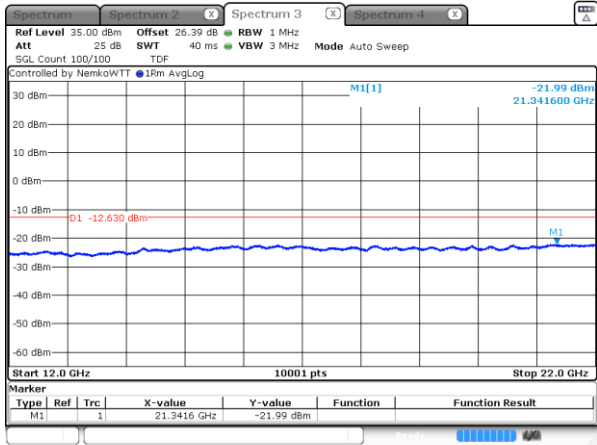
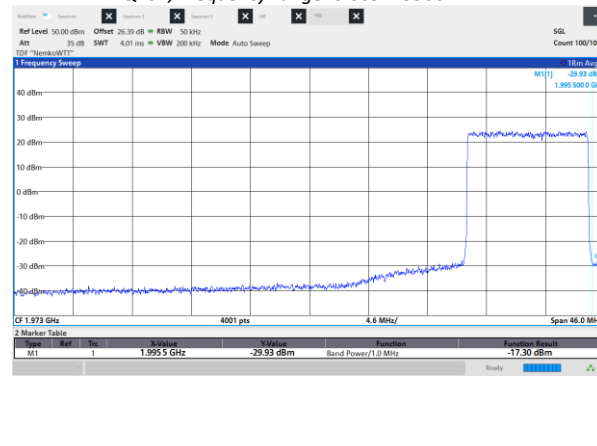
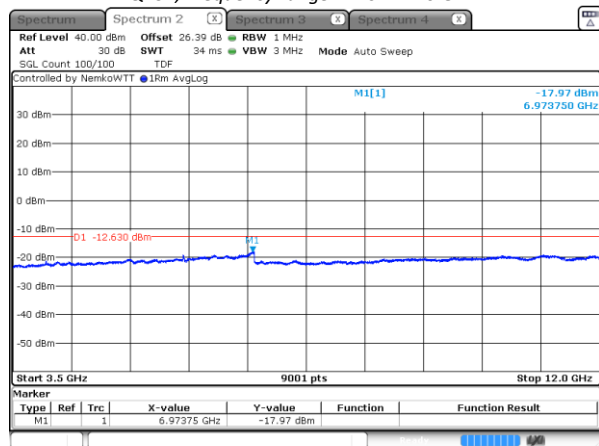
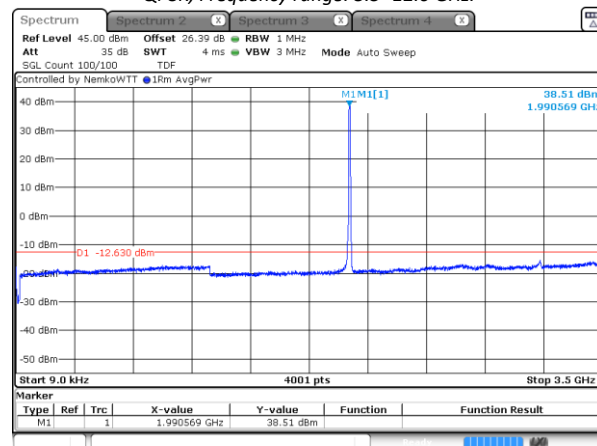
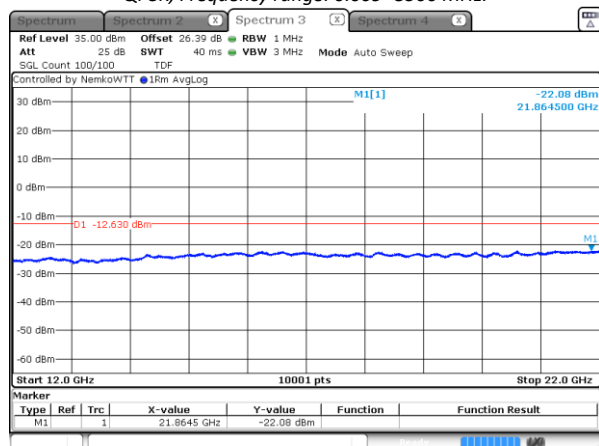
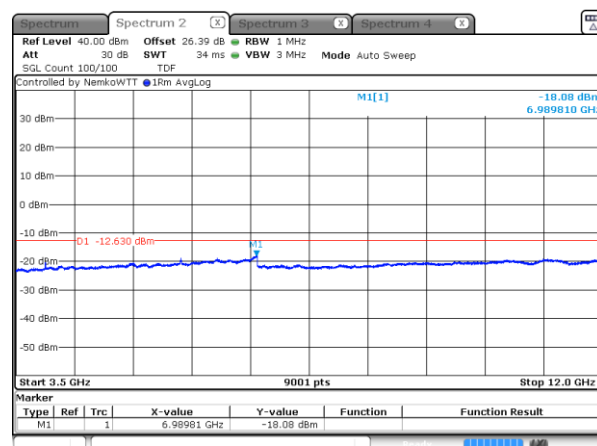
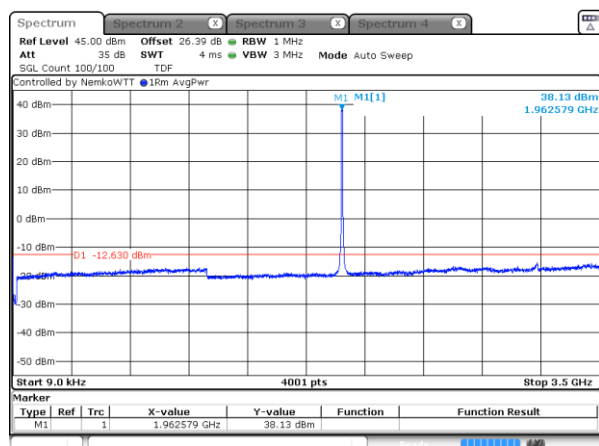


Figure 8.6-59: Conducted Spurious Emissions, Low CH 1935 MHz, 10 MHz, QPSK, Frequency range: 12.0 – 22.0 GHz.



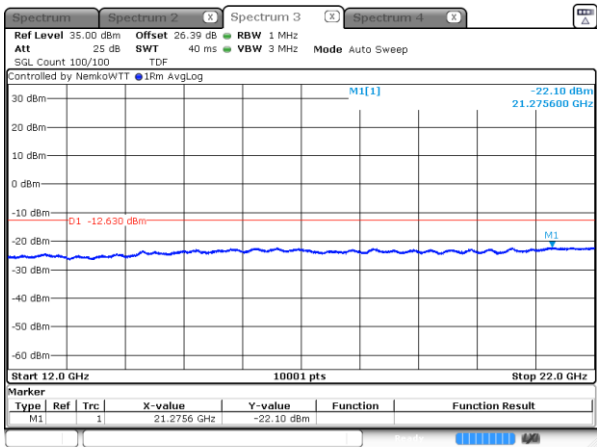


Figure 8.6-66: Conducted Spurious Emissions, High CH 1990 MHz, 10 MHz, QPSK, Frequency range: 12.0 -22.0 GHz

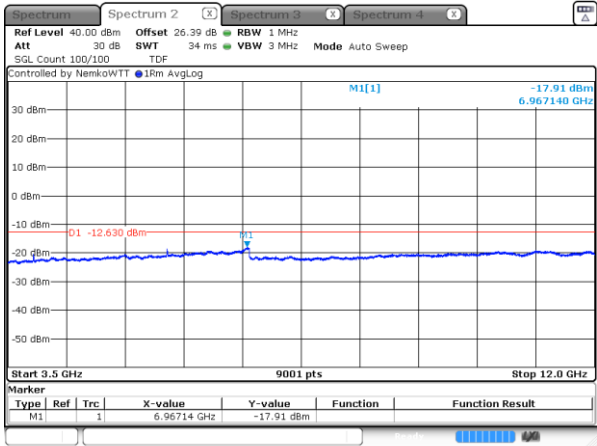


Figure 8.6-68: Conducted Spurious Emissions, Low CH 1935 MHz, 10 MHz, 16QAM, Frequency range: 3.5 – 12.0 GHz.

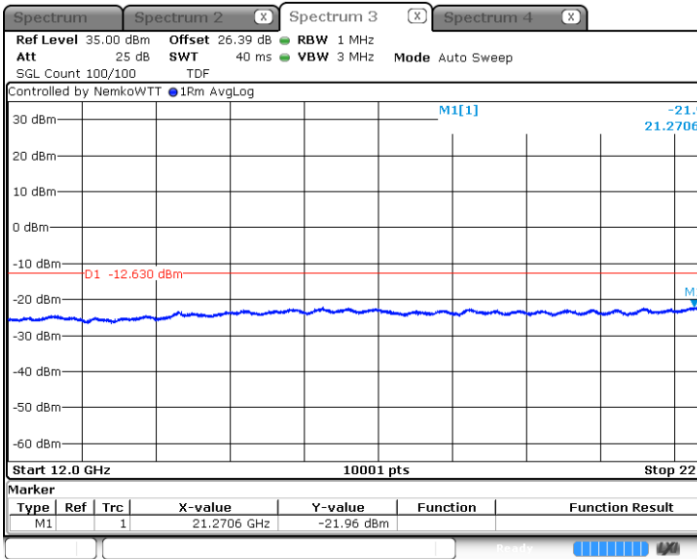


Figure 8.6-70: Conducted Spurious Emissions, Low CH 1935 MHz, 10 MHz, 16QAM, Frequency range: 12.0 -22.0 GHz

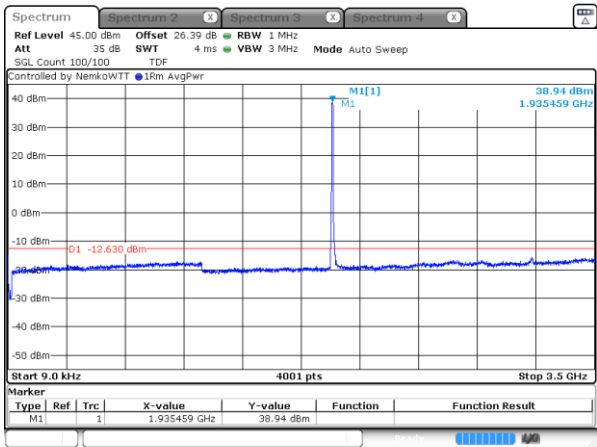


Figure 8.6-67: Conducted Spurious Emissions, Low CH 1935 MHz, 10 MHz, 16QAM, Frequency range: 0.009 – 3500 MHz.

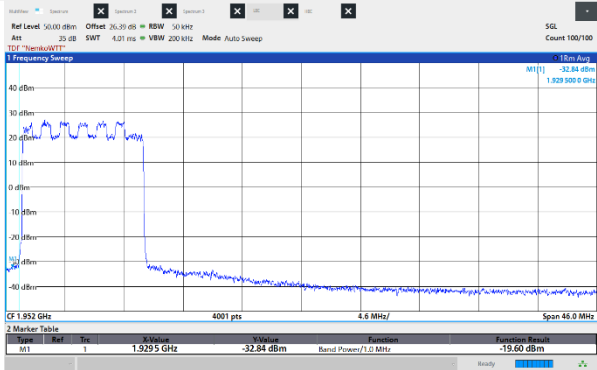


Figure 8.6-69: Conducted Spurious Emissions, Low CH 1935 MHz, 10 MHz, 16QAM, Low band edge.

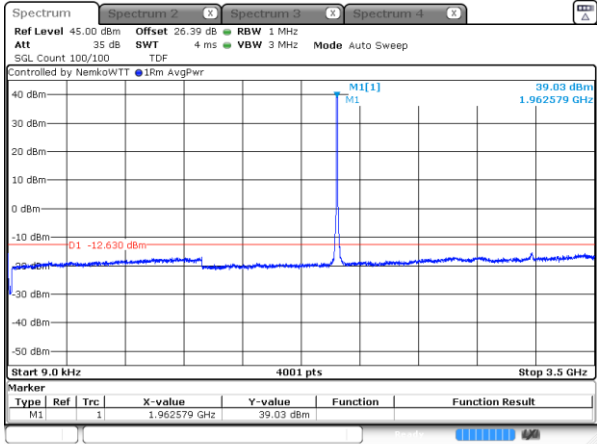


Figure 8.6-71: Conducted Spurious Emissions, Mid CH 1962.5 MHz, 10 MHz, 16QAM, Frequency range: 0.009 -3500 MHz