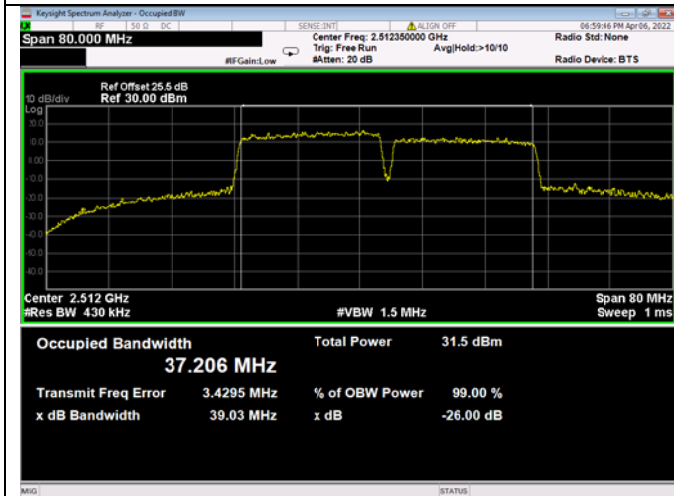


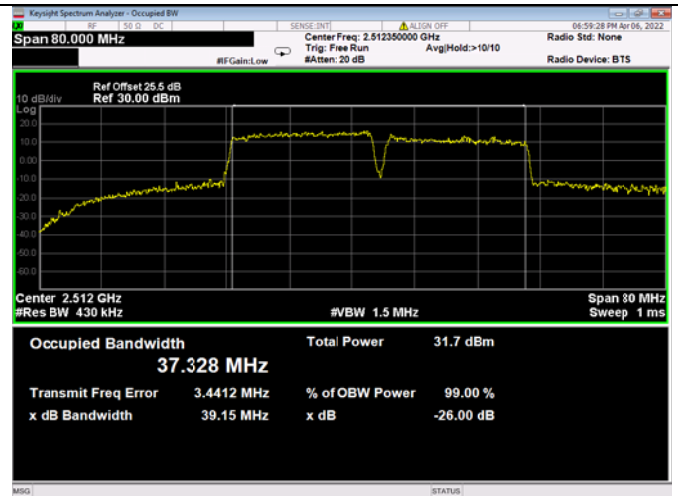


LTE CA 41C

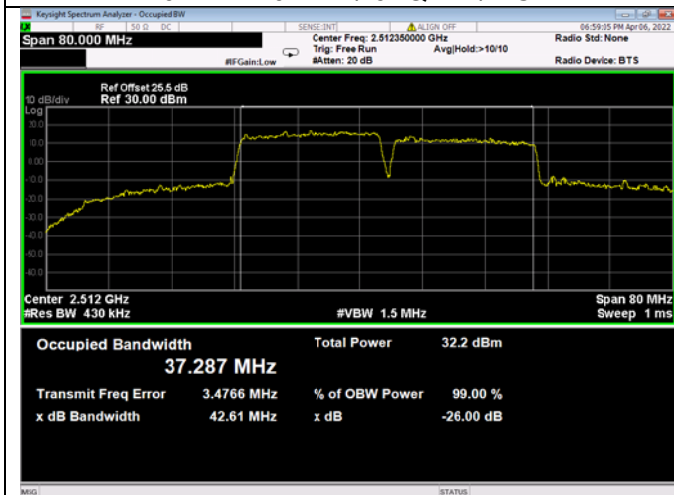
20MHz+20MHz / QPSK / LCH



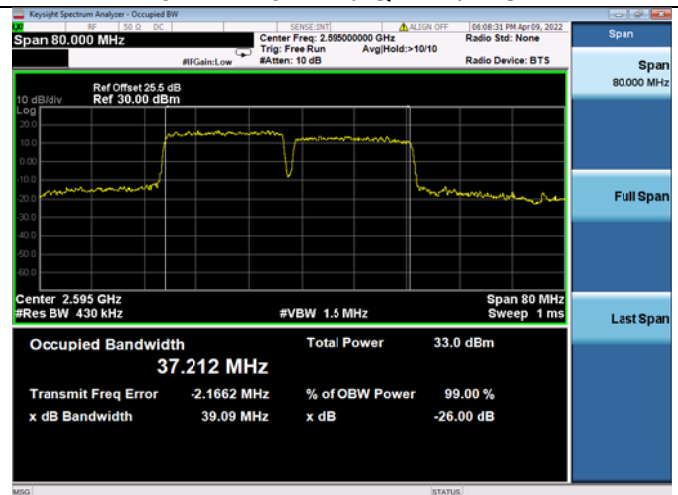
20MHz+20MHz / 16QAM / LCH

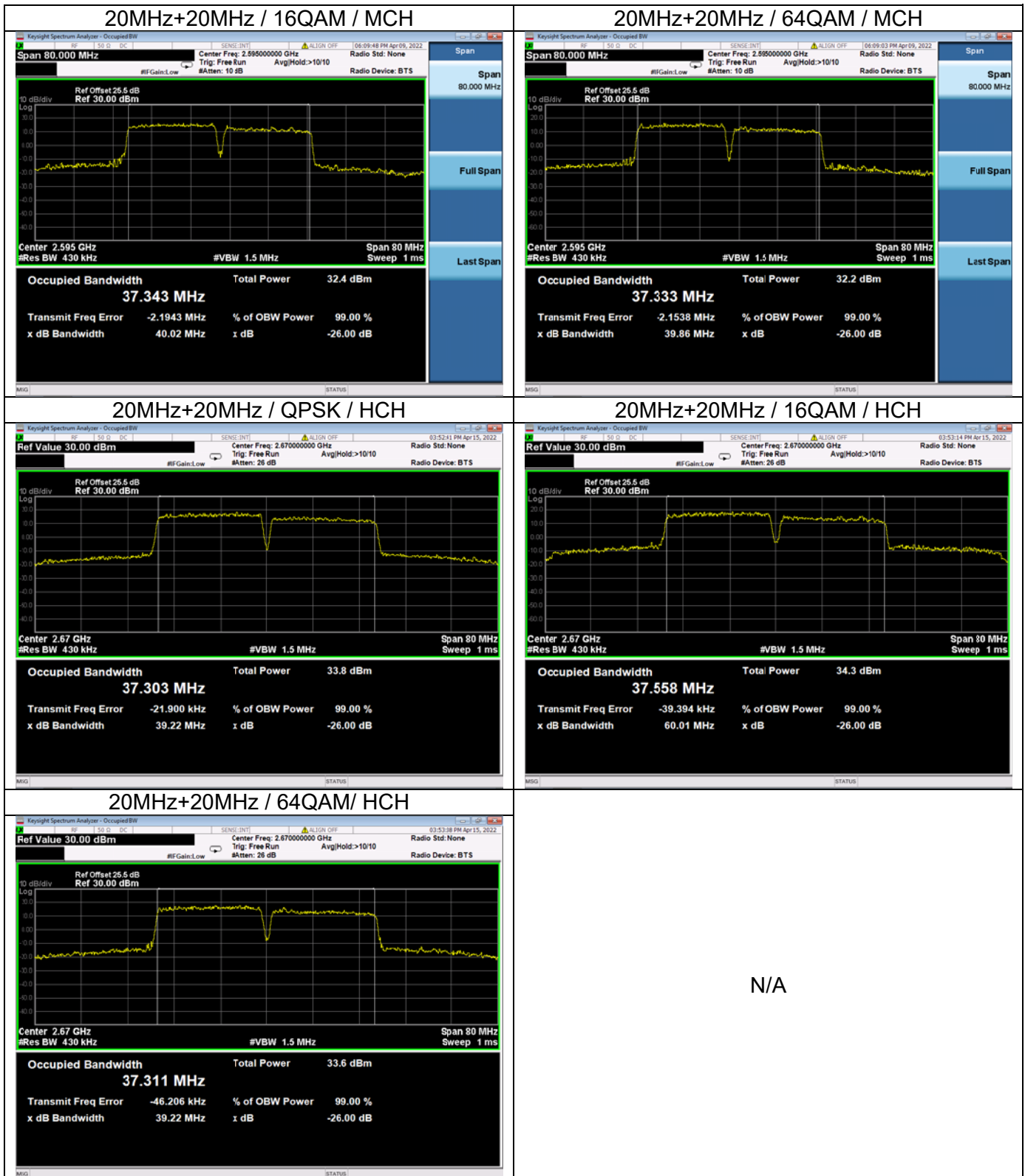


20MHz+20MHz / 64QAM / LCH



20MHz+20MHz / QPSK / MCH





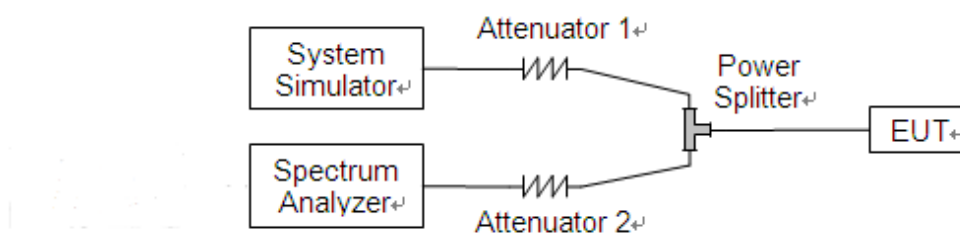
2.3. Conducted Spurious Emissions

2.3.1. Requirement

According to FCC section 2.1051, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. This calculated to be -13dBm.

Additional requirement for LTE Band 7, 41, 48: The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $55 + 10 \log(P)$ dB. This calculated to be -25dBm.

2.3.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50 Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.3.3. Test procedure

KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.

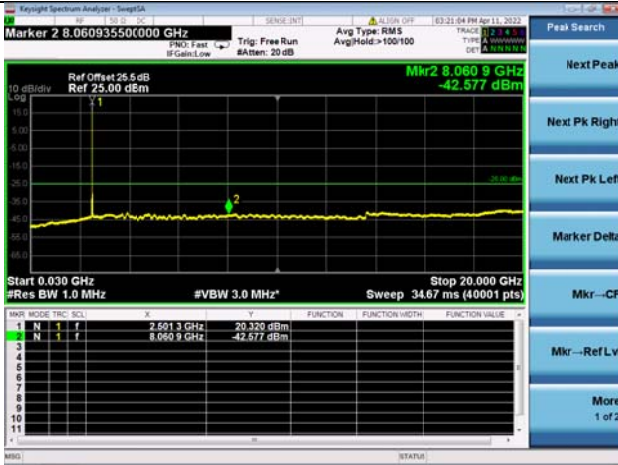
2.3.4. Test Result



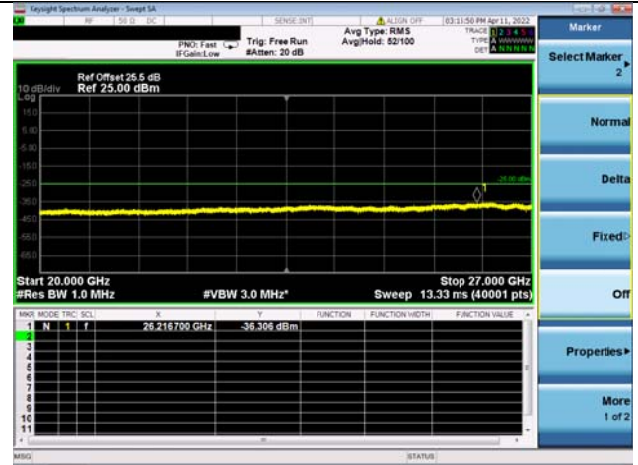
LTE CA 41C CSE

Channel Bandwidth: 5MHz+20MHz

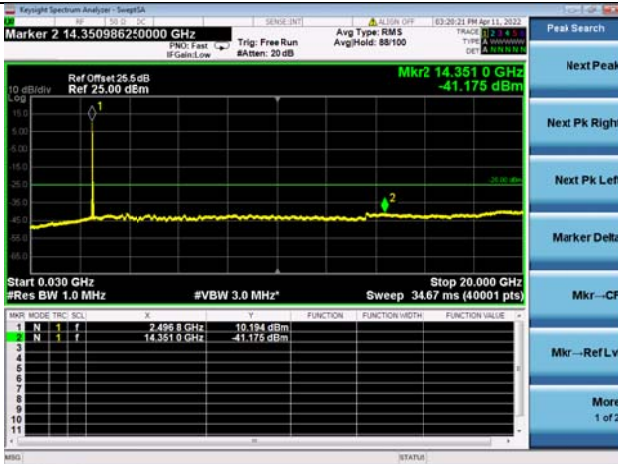
LOW CH/QPSK/1RB24 and 1RB0



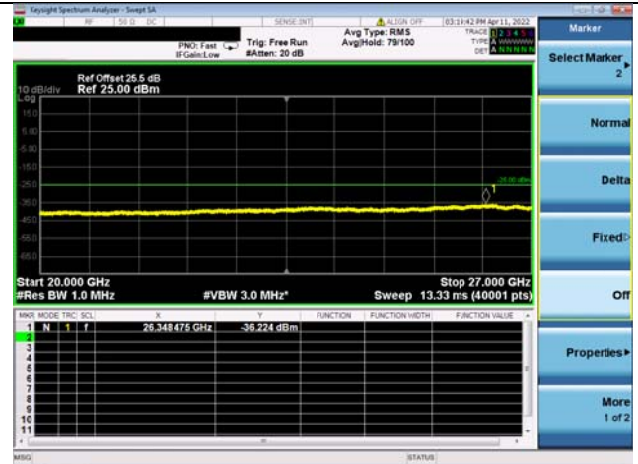
LOW CH/QPSK/1RB24 and 1RB0



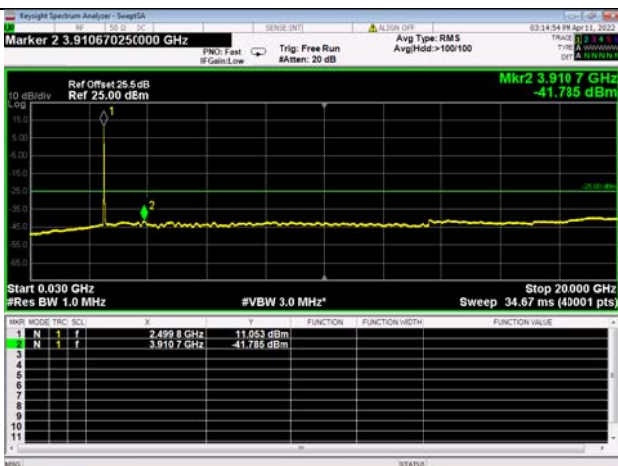
LOW CH/QPSK/1RB0 and 1RB99



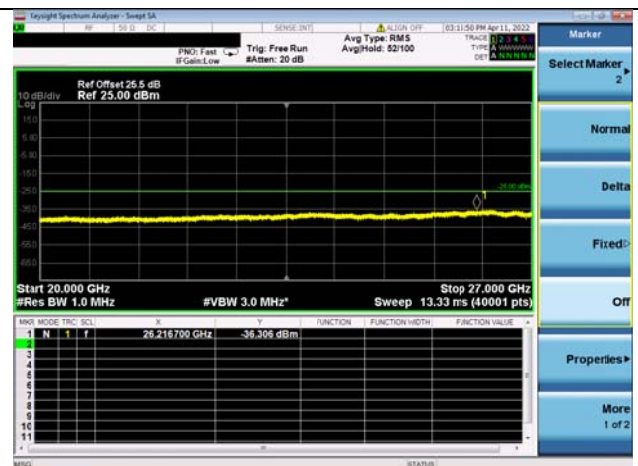
LOW CH/QPSK/1RB0 and 1RB99



LOW CH/QPSK/FULL RB

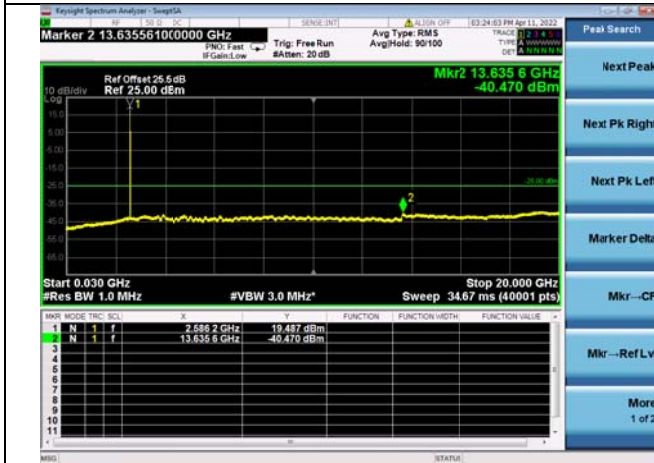


LOW CH/QPSK/FULL RB

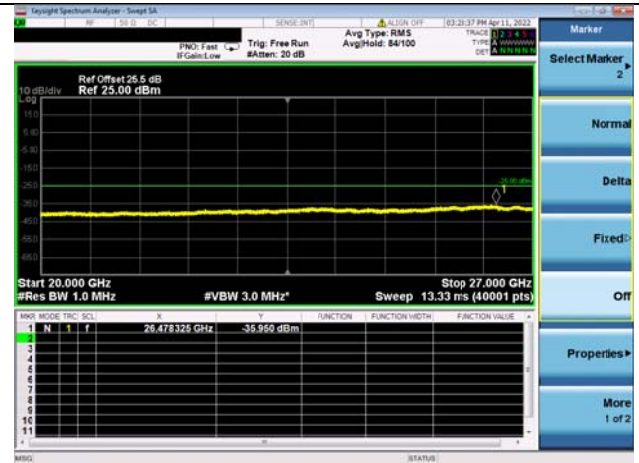




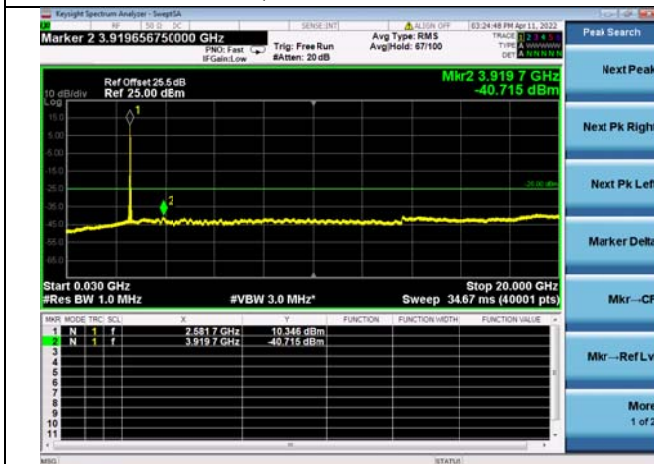
Mid CH/QPSK/1RB24 and 1RB0



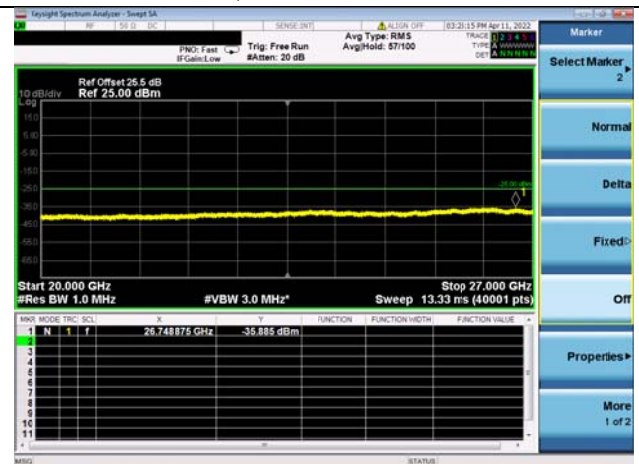
Mid CH/QPSK/1RB24 and 1RB0



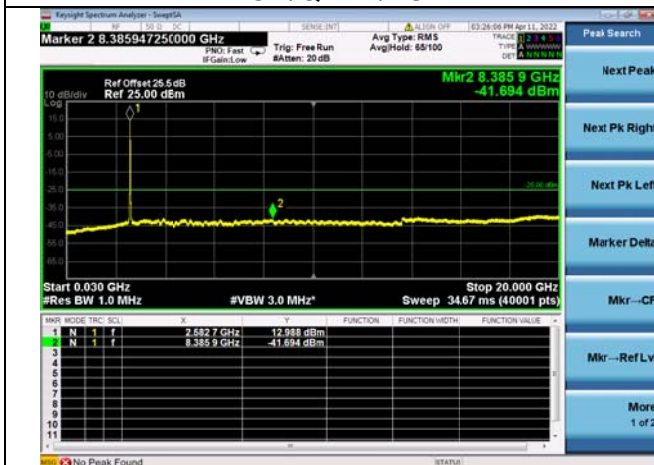
Mid CH/QPSK/1RB0 and 1RB99



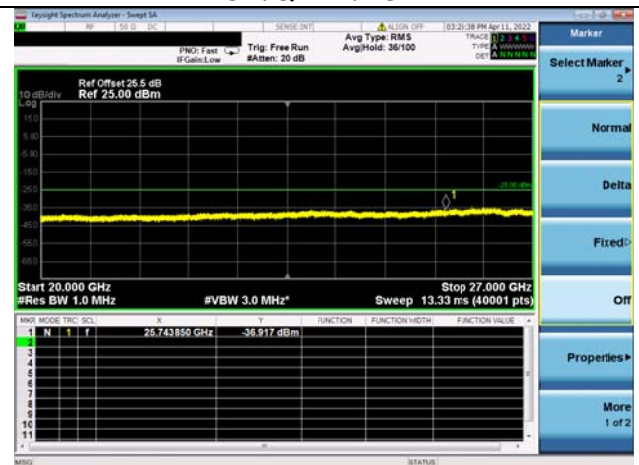
Mid CH/QPSK/1RB0 and 1RB99



Mid CH/QPSK/FULL RB

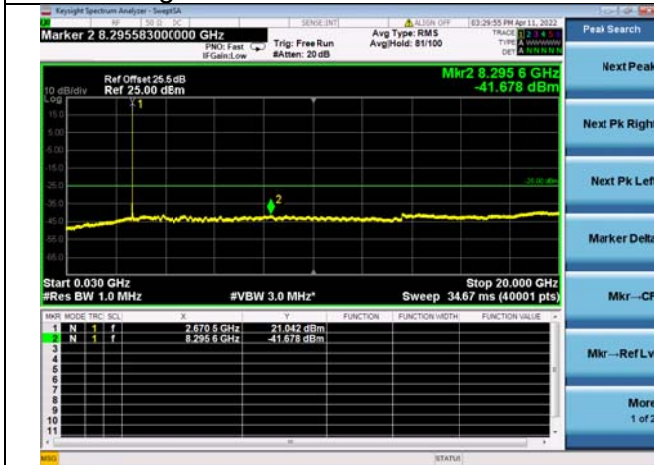


Mid CH/QPSK/FULL RB

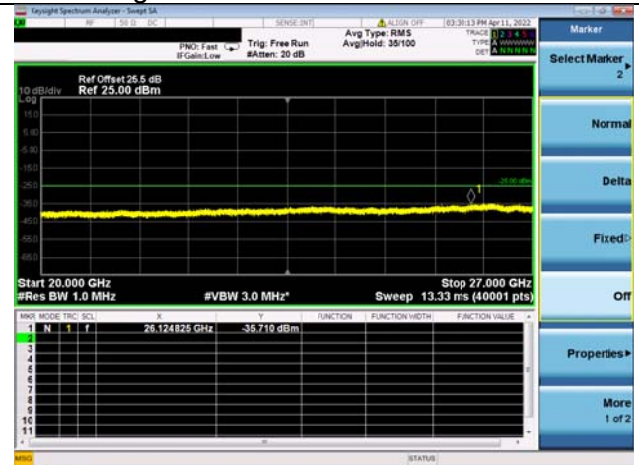




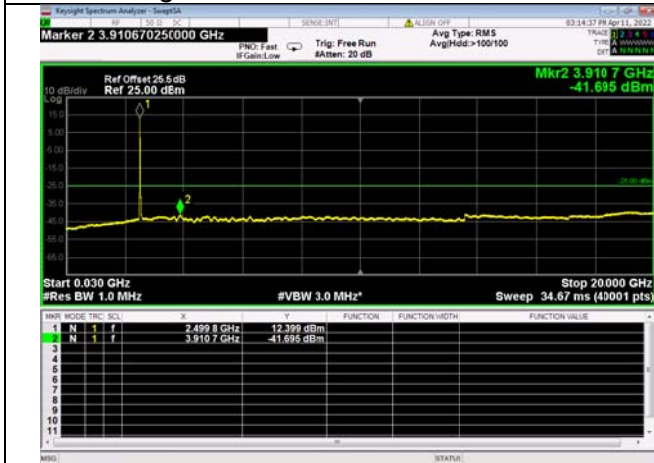
High CH/QPSK/1RB24 and 1RB0



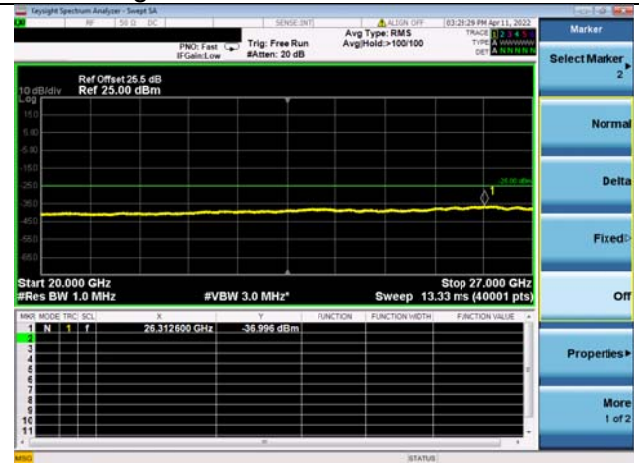
High CH/QPSK/1RB24 and 1RB0



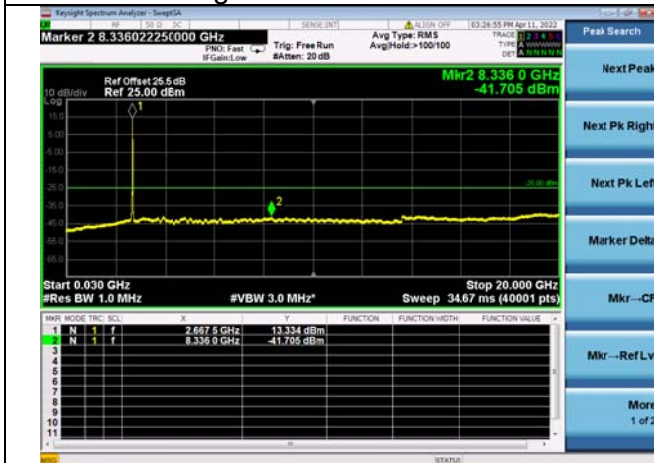
High CH/QPSK/1RB0 and 1RB99



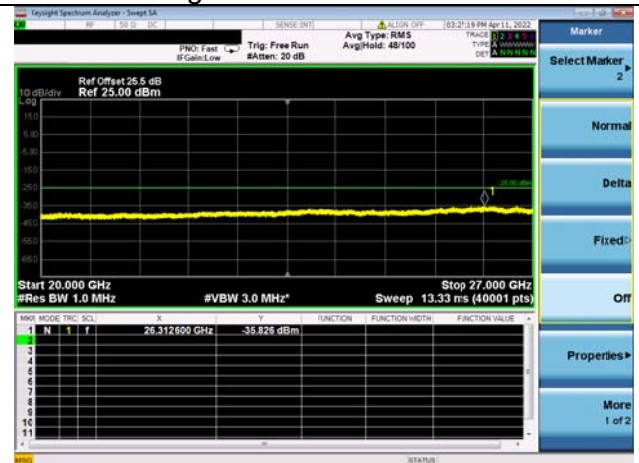
High CH/QPSK/1RB0 and 1RB99



High CH/QPSK/FULL RB



High CH/QPSK/FULL RB

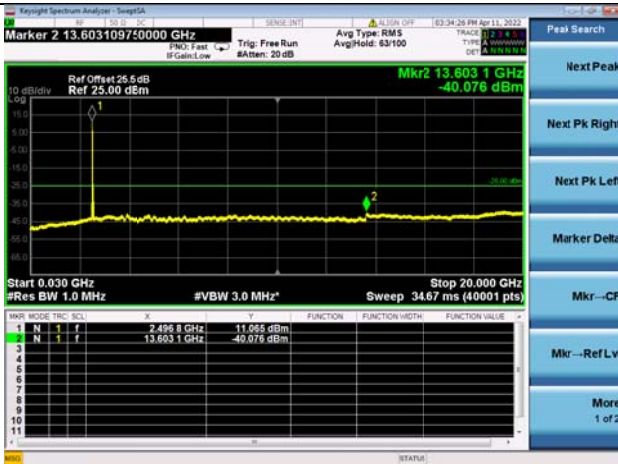




LTE CA 41C CSE

Channel Bandwidth: 10MHz+15MHz

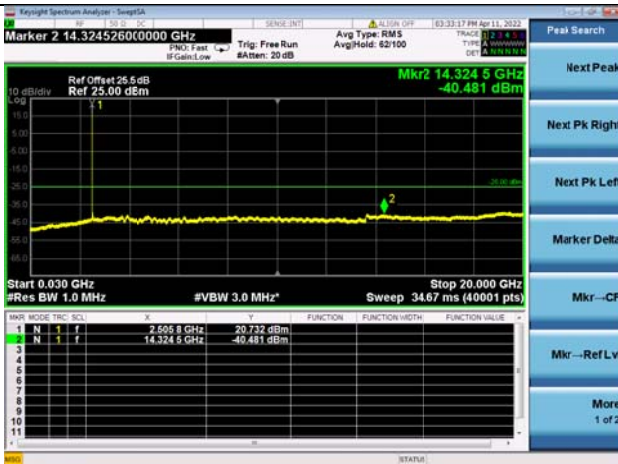
LOW CH/QPSK/1RB0 and 1RB74



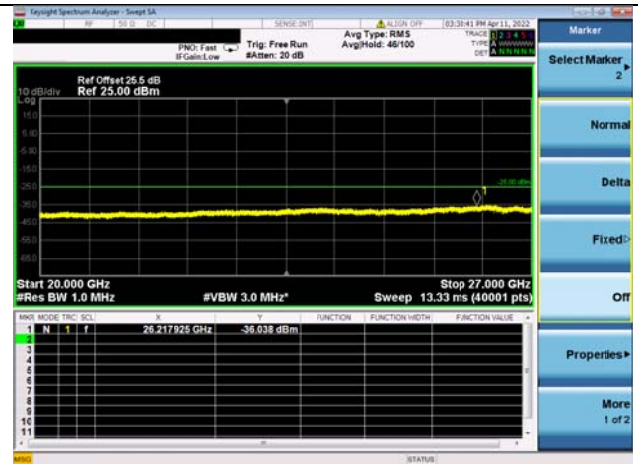
LOW CH/QPSK/1RB0 and 1RB74



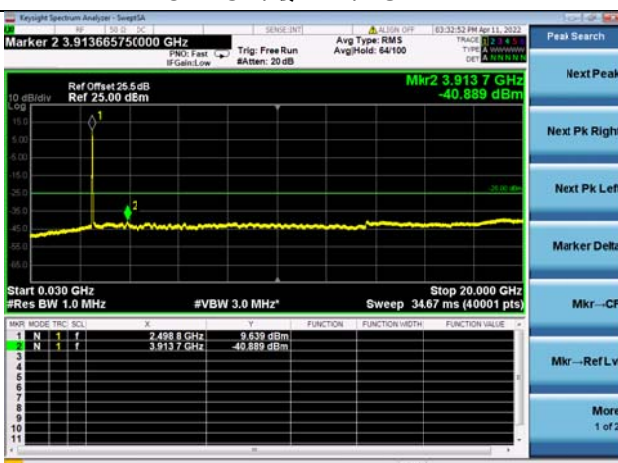
LOW CH/QPSK/1RB49 and 1RB0



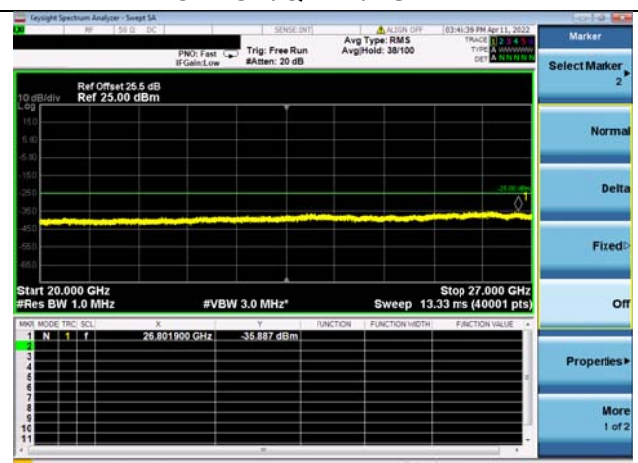
LOW CH/QPSK/1RB49 and 1RB0



LOW CH/QPSK/FULL RB

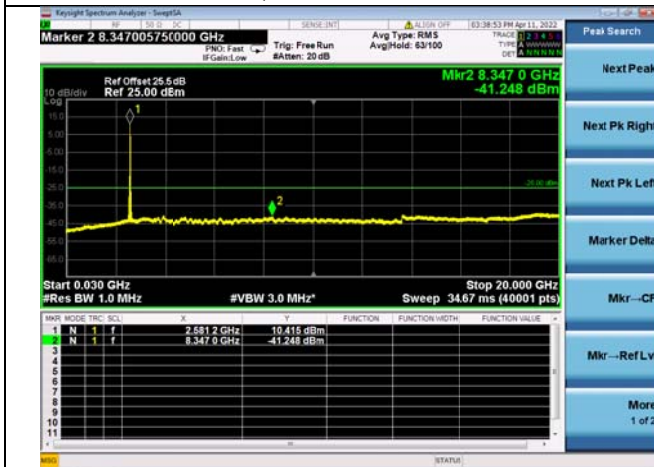


LOW CH/QPSK/FULL RB

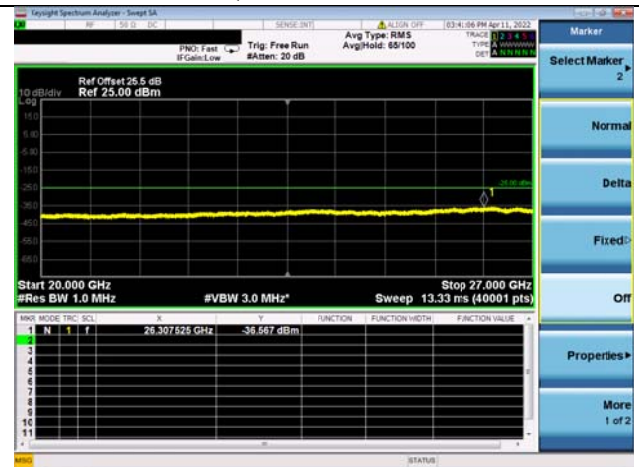




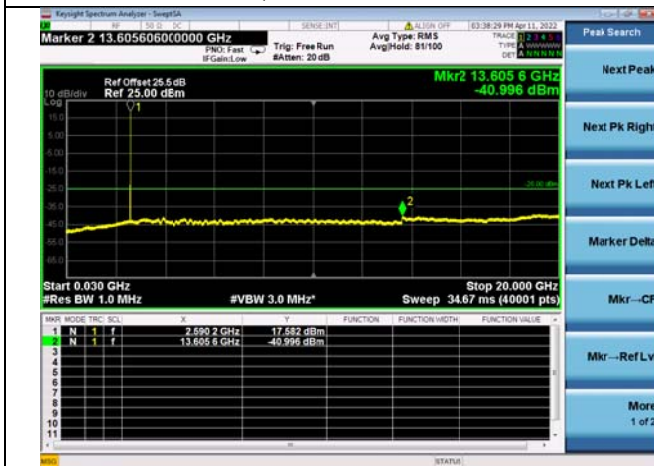
Mid CH/QPSK/1RB0 and 1RB74



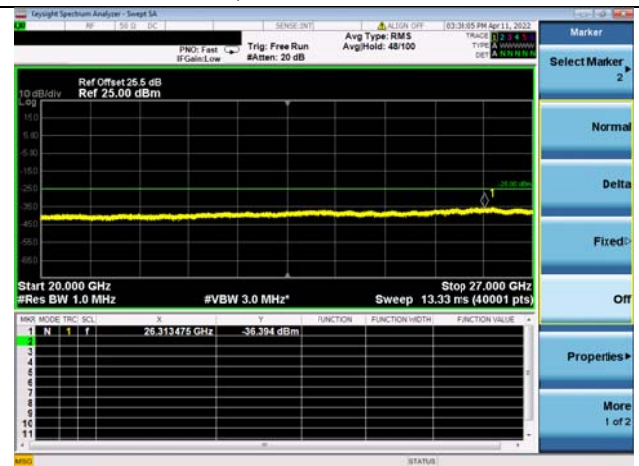
Mid CH/QPSK/1RB0 and 1RB74



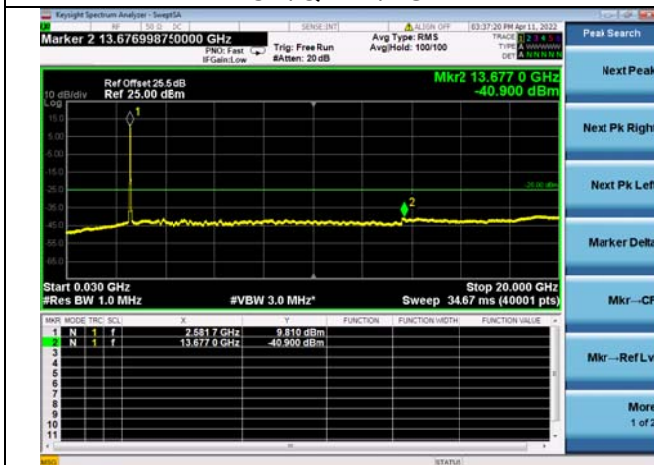
Mid CH/QPSK/1RB49 and 1RB0



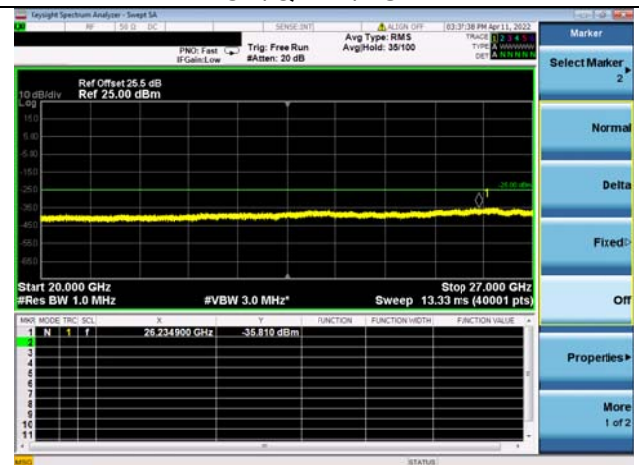
Mid CH/QPSK/1RB49 and 1RB0



Mid CH/QPSK/FULL RB

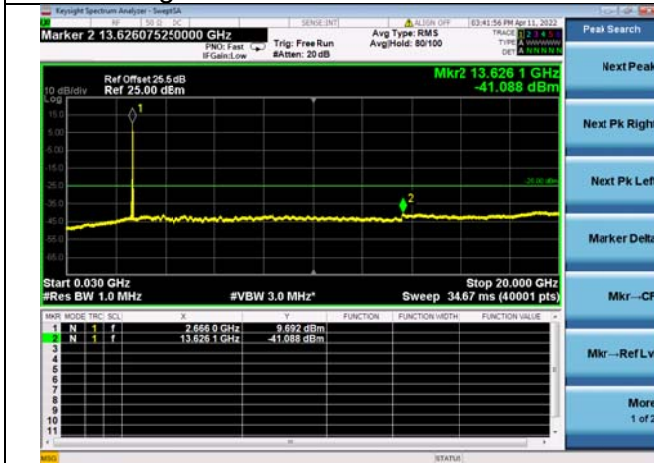


Mid CH/QPSK/FULL RB

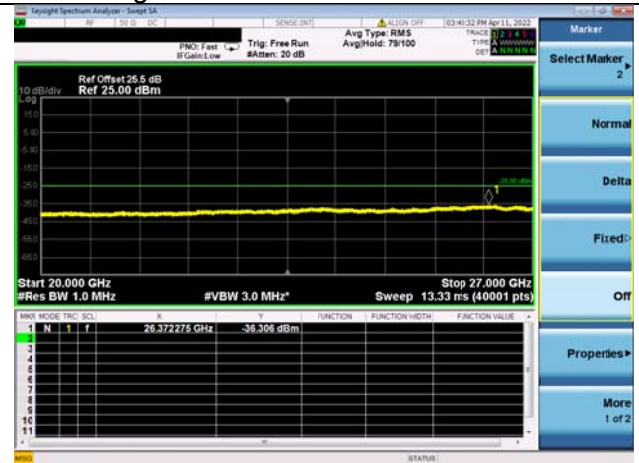




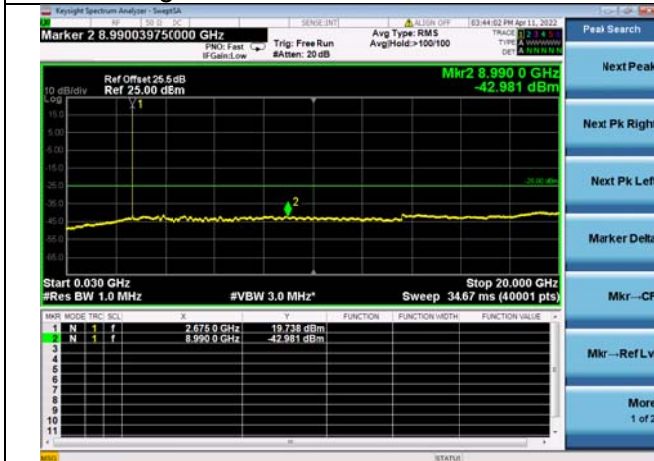
High CH/QPSK/1RB0 and 1RB74



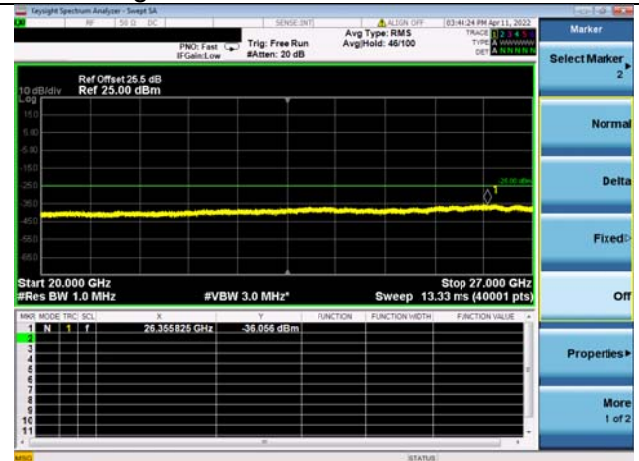
High CH/QPSK/1RB0 and 1RB74



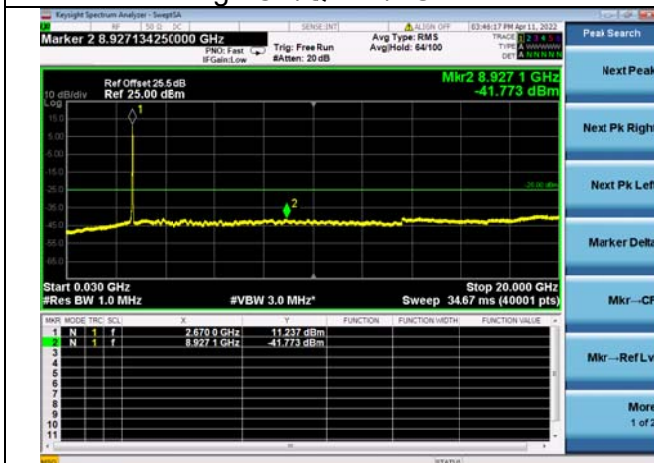
High CH/QPSK/1RB49 and 1RB0



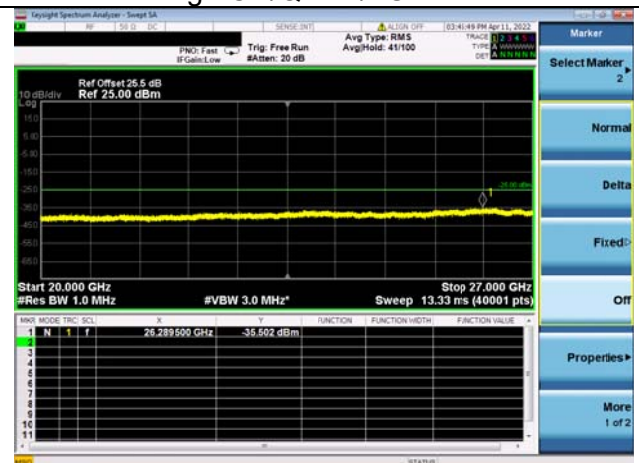
High CH/QPSK/1RB49 and 1RB0



High CH/QPSK/FULL RB



High CH/QPSK/FULL RB

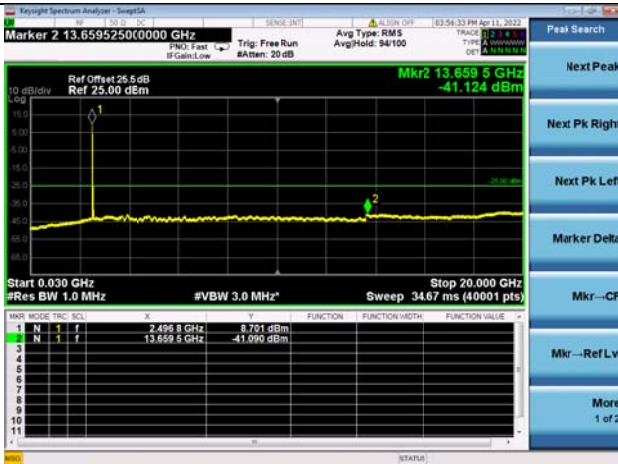




LTE CA 41C CSE

Channel Bandwidth: 10MHz+20MHz

LOW CH/QPSK/1RB0 and 1RB99



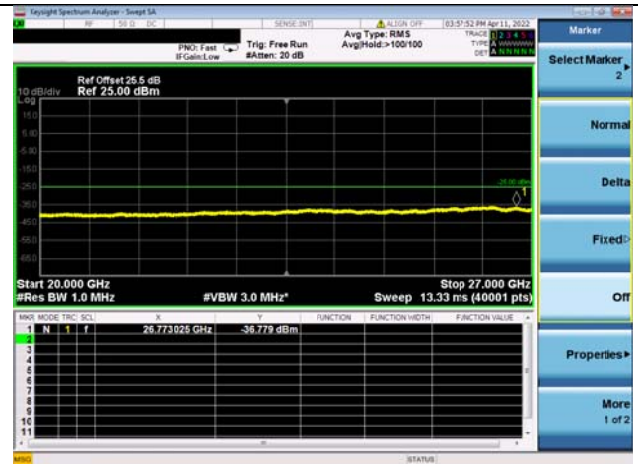
LOW CH/QPSK/1RB0 and 1RB99



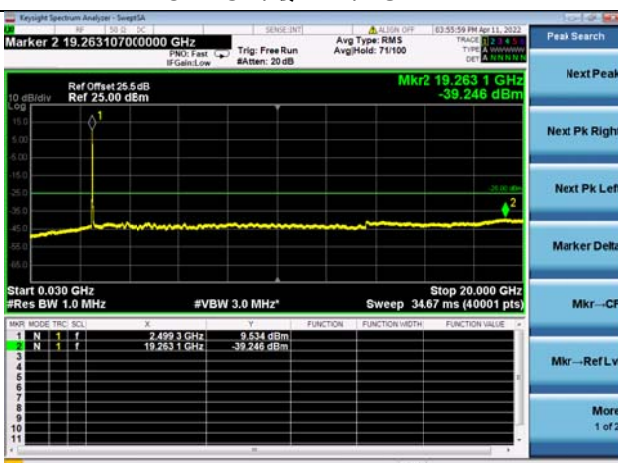
LOW CH/QPSK/1RB49 and 1RB0



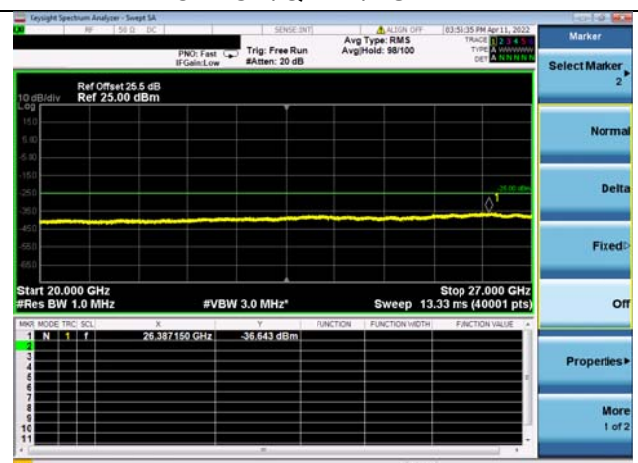
LOW CH/QPSK/1RB49 and 1RB0



LOW CH/QPSK/FULL RB

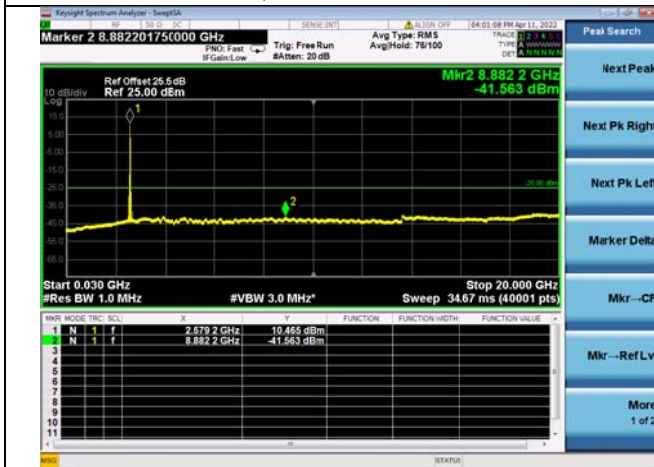


LOW CH/QPSK/FULL RB

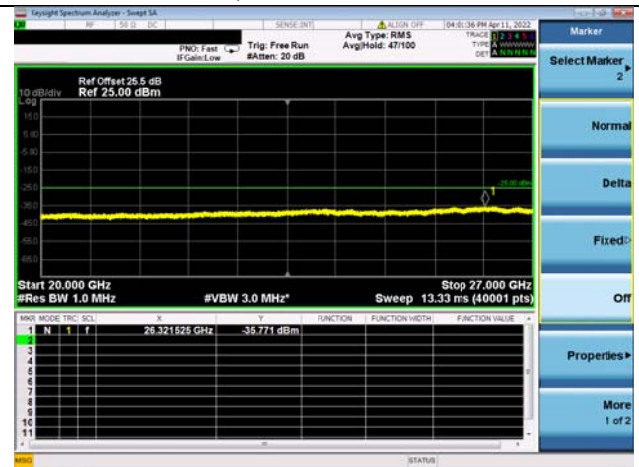




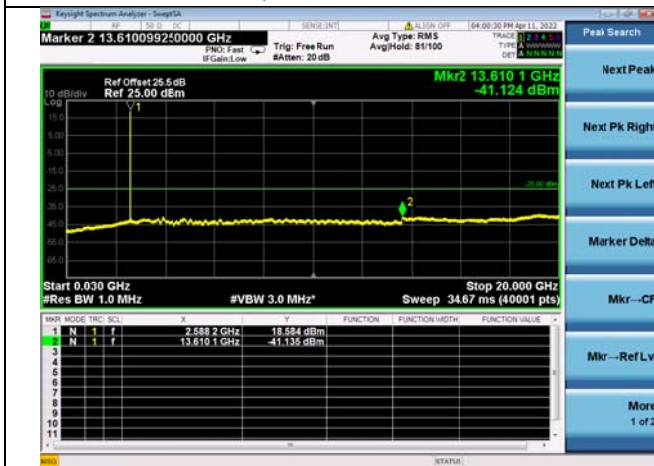
Mid CH/QPSK/1RB0 and 1RB99



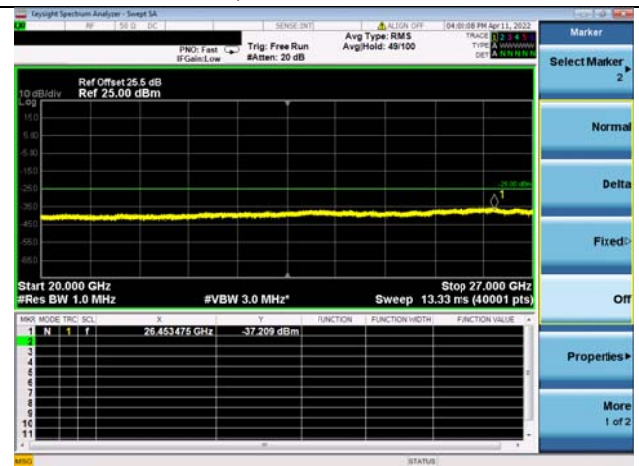
Mid CH/QPSK/1RB0 and 1RB99



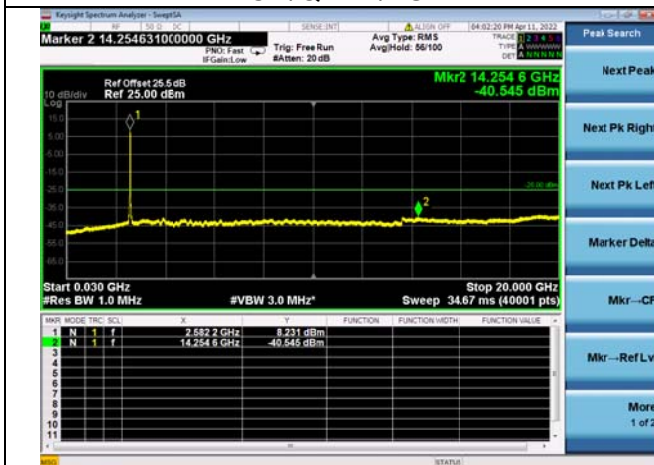
Mid CH/QPSK/1RB49 and 1RB0



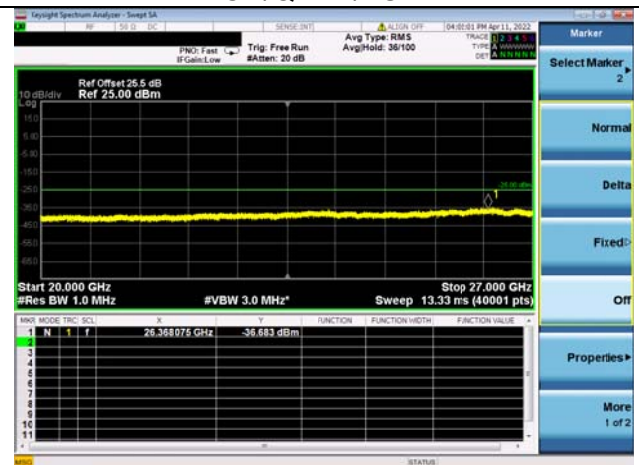
Mid CH/QPSK/1RB49 and 1RB0



Mid CH/QPSK/FULL RB

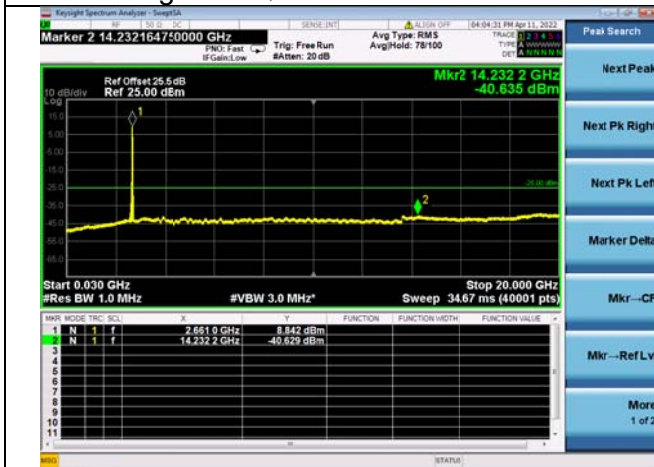


Mid CH/QPSK/FULL RB

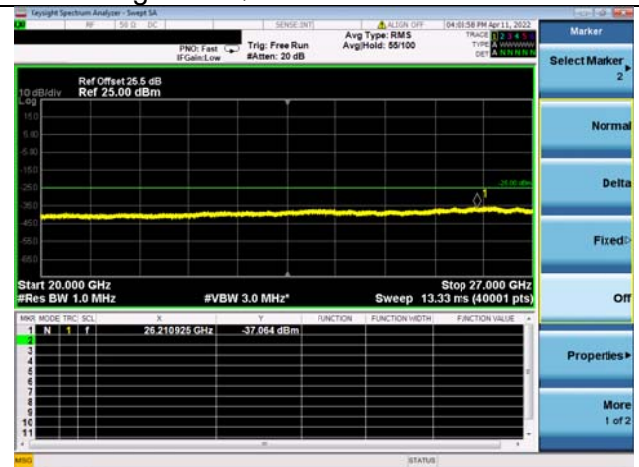




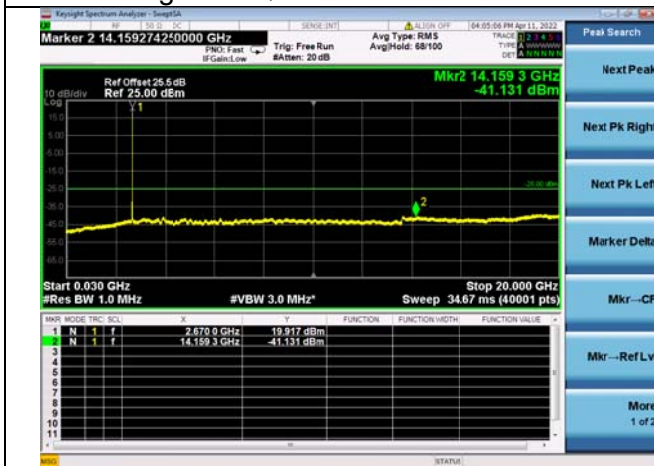
High CH/QPSK/1RB0 and 1RB99



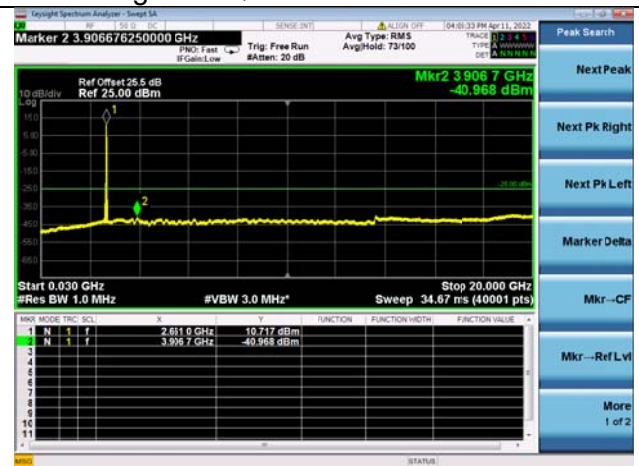
High CH/QPSK/1RB0 and 1RB99



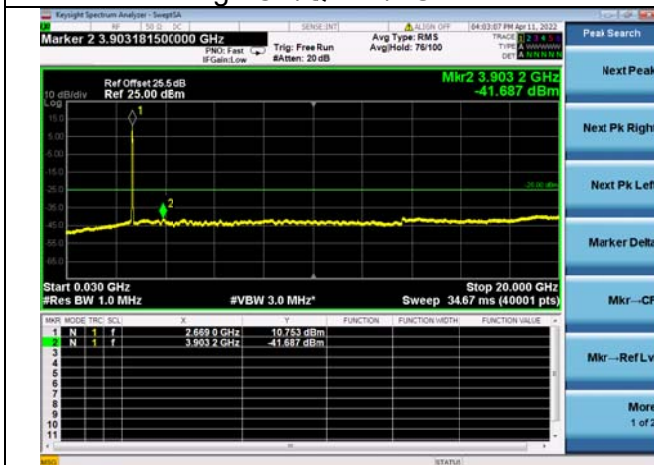
High CH/QPSK/1RB49 and 1RB0



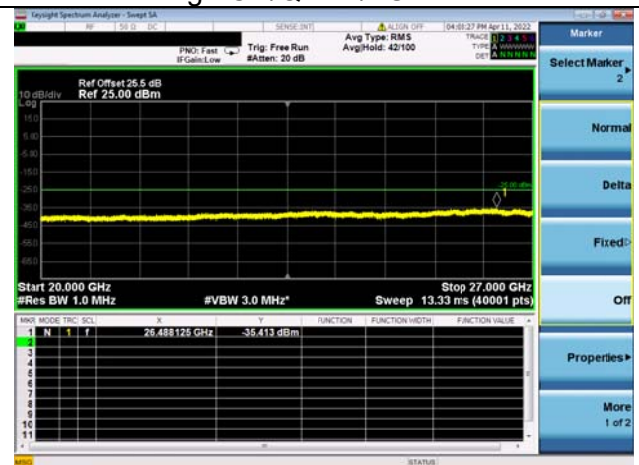
High CH/QPSK/1RB49 and 1RB0



High CH/QPSK/FULL RB



High CH/QPSK/FULL RB

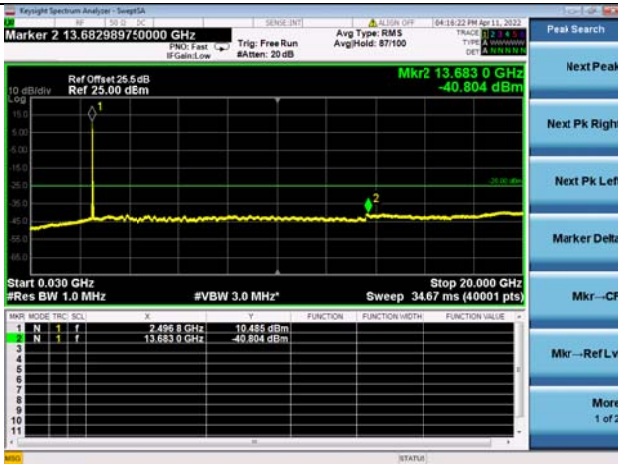




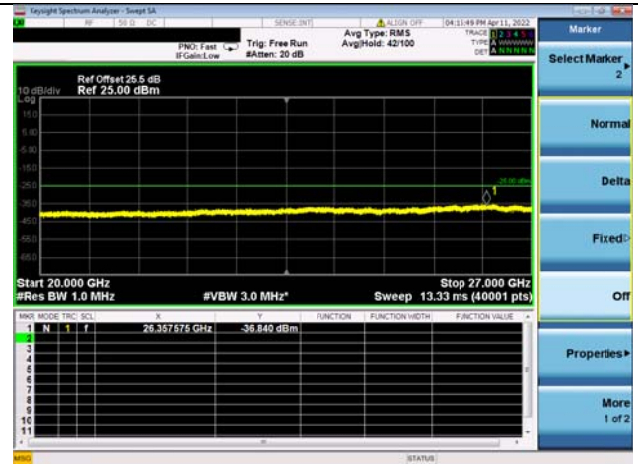
LTE CA 41C CSE

Channel Bandwidth: 15MHz+10MHz

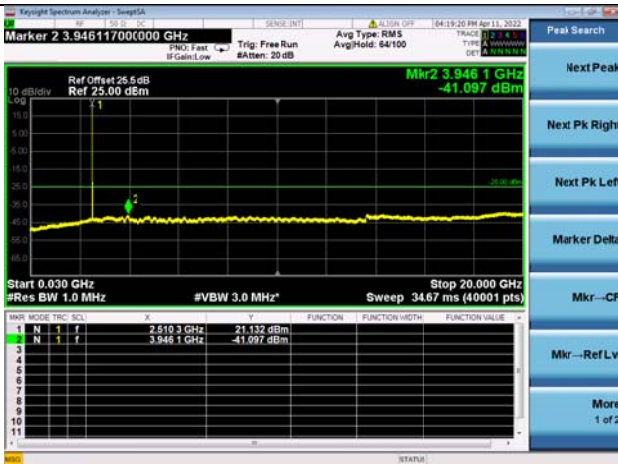
LOW CH/QPSK/1RB0 and 1RB49



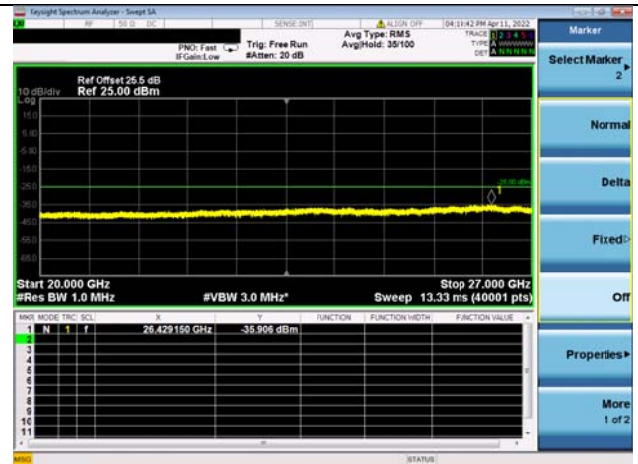
LOW CH/QPSK/1RB0 and 1RB49



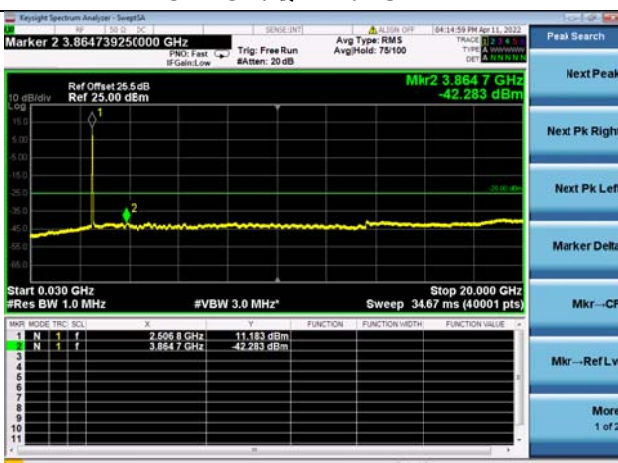
LOW CH/QPSK/1RB74 and 1RB0



LOW CH/QPSK/1RB74 and 1RB0



LOW CH/QPSK/FULL RB

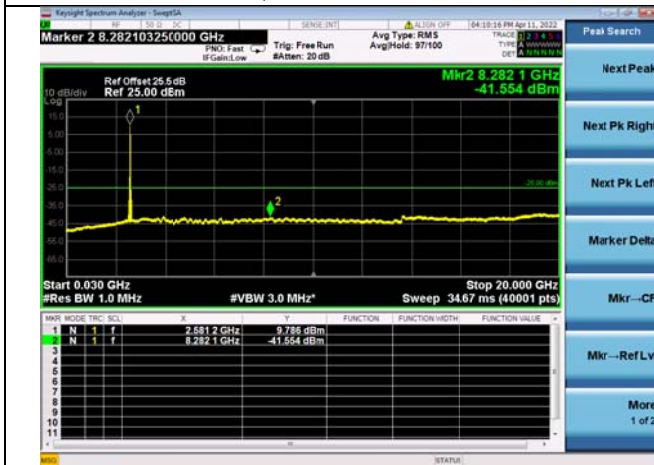


LOW CH/QPSK/FULL RB

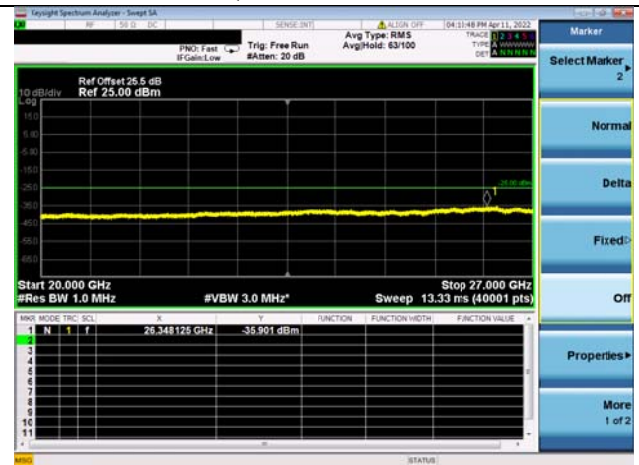




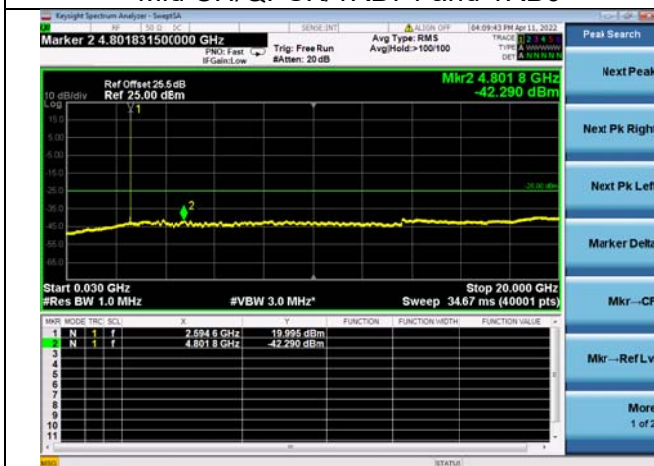
Mid CH/QPSK/1RB0 and 1RB49



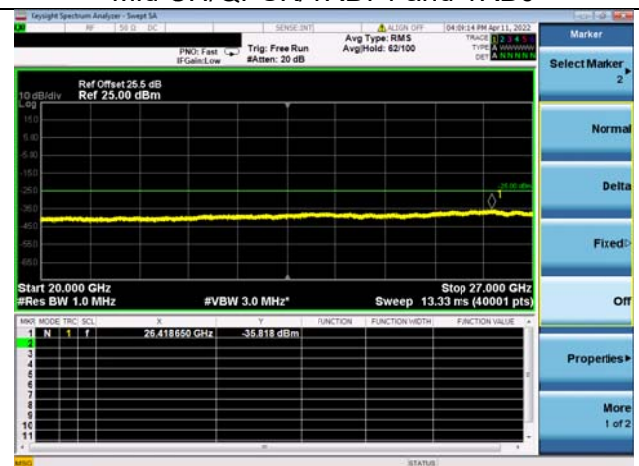
Mid CH/QPSK/1RB0 and 1RB49



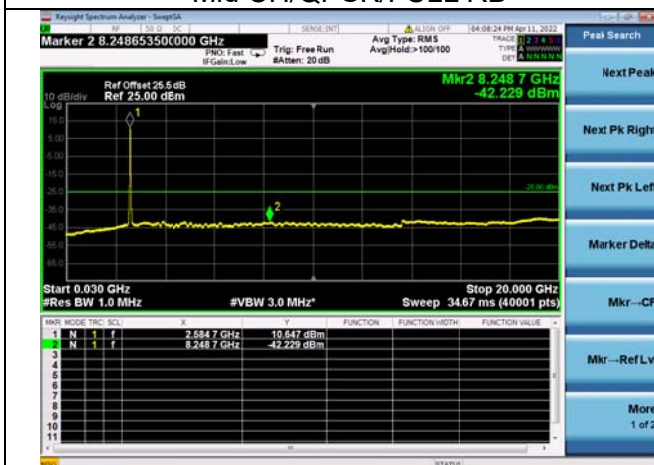
Mid CH/QPSK/1RB74 and 1RB0



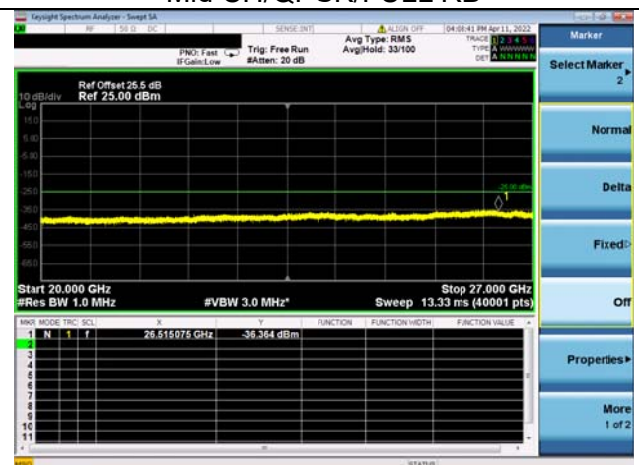
Mid CH/QPSK/1RB74 and 1RB0



Mid CH/QPSK/FULL RB

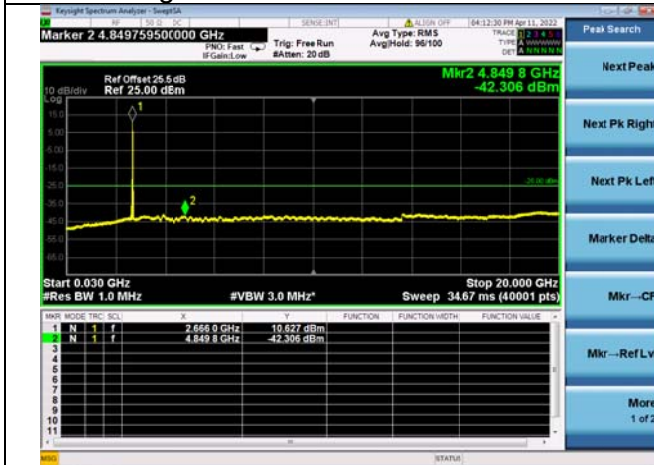


Mid CH/QPSK/FULL RB

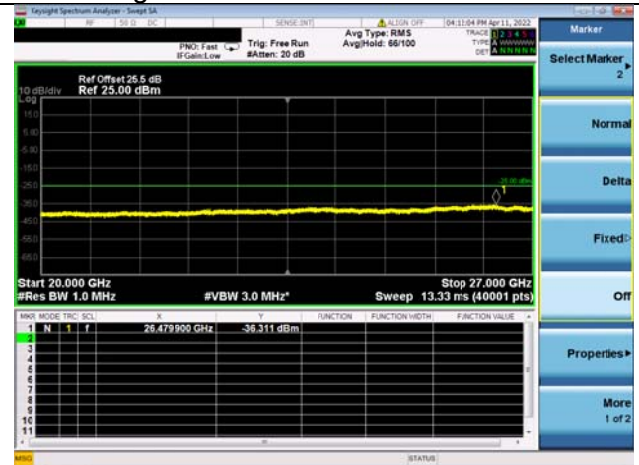




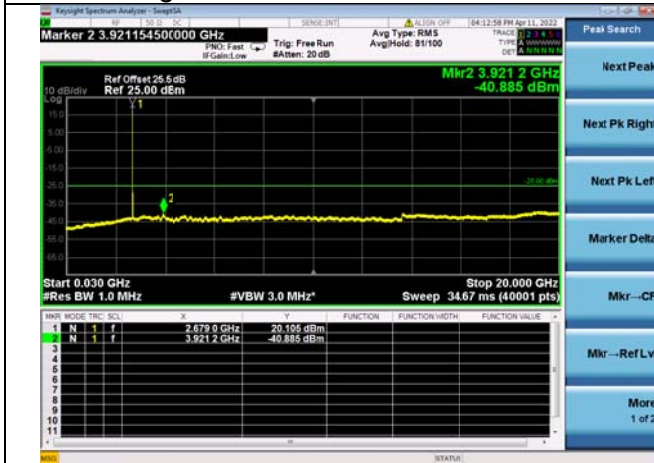
High CH/QPSK/1RB0 and 1RB49



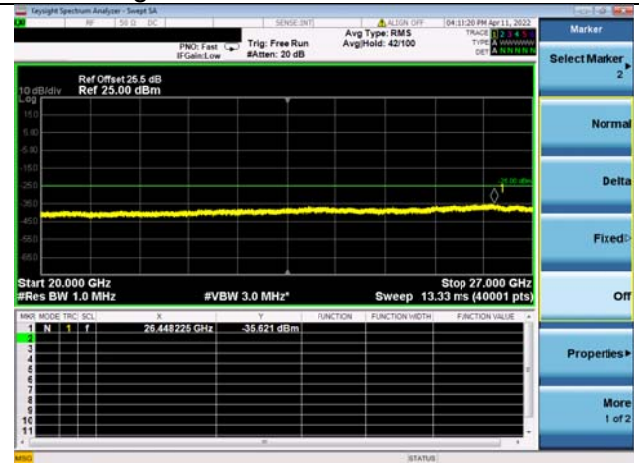
High CH/QPSK/1RB0 and 1RB49



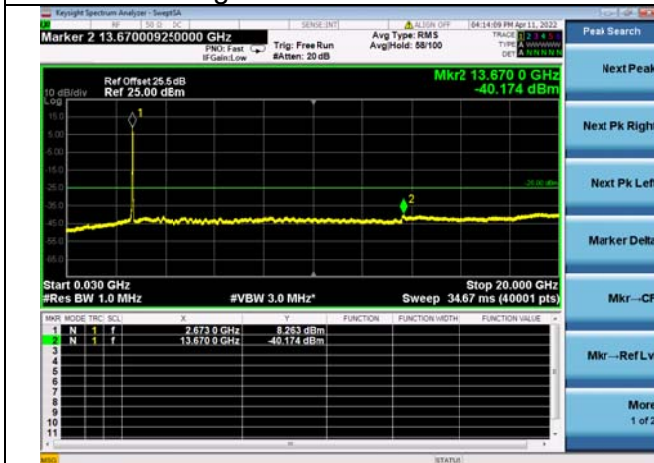
High CH/QPSK/1RB74 and 1RB0



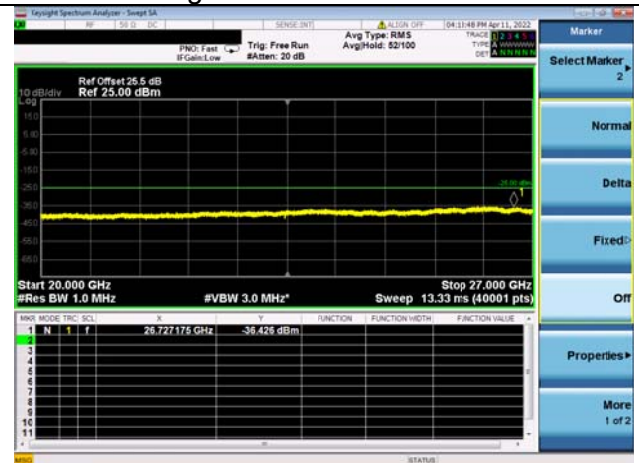
High CH/QPSK/1RB74 and 1RB0



High CH/QPSK/FULL RB



High CH/QPSK/FULL RB

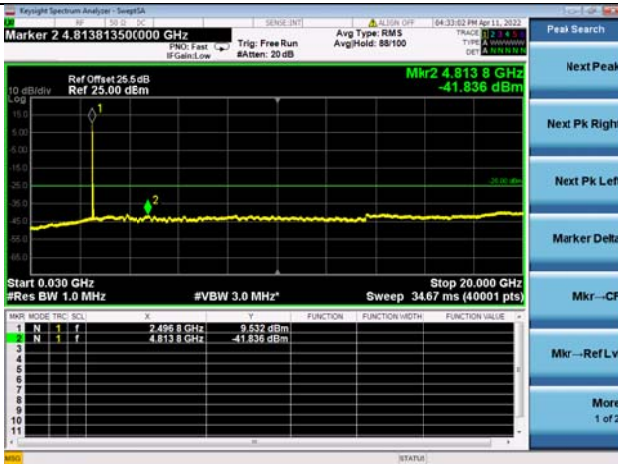




LTE CA 41C CSE

Channel Bandwidth: 15MHz+15MHz

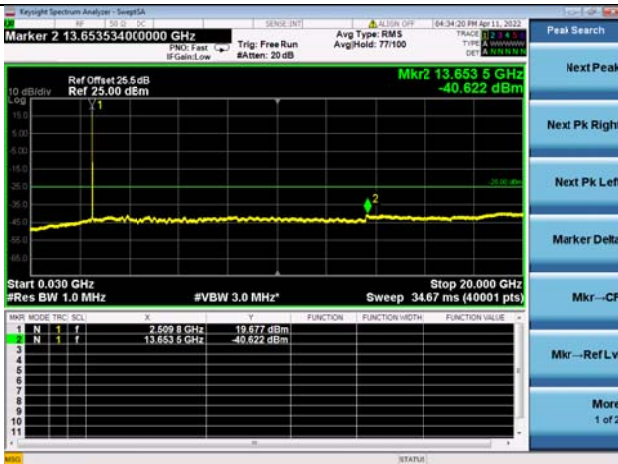
LOW CH/QPSK/1RB0 and 1RB74



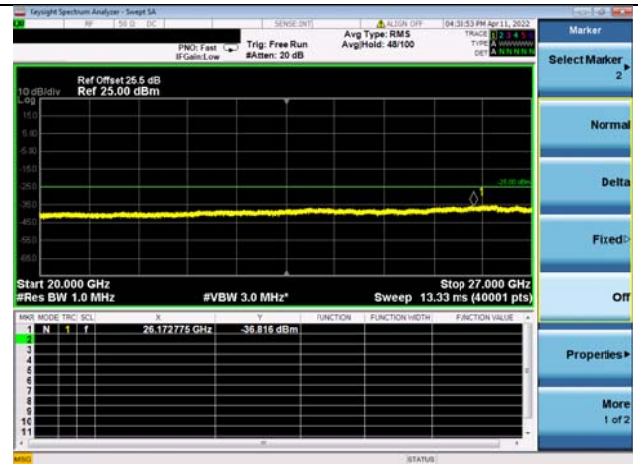
LOW CH/QPSK/1RB0 and 1RB74



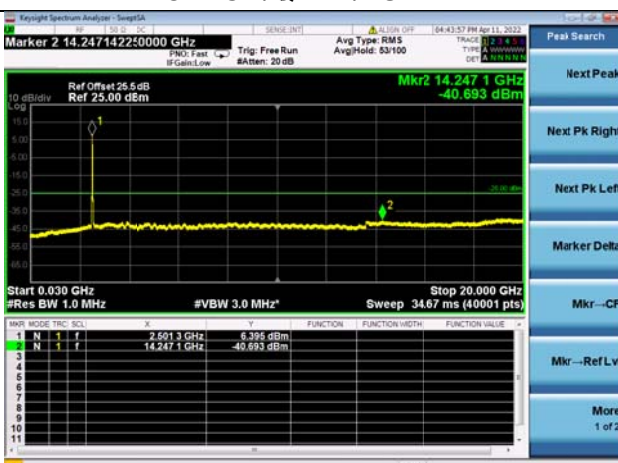
LOW CH/QPSK/1RB74 and 1RB0



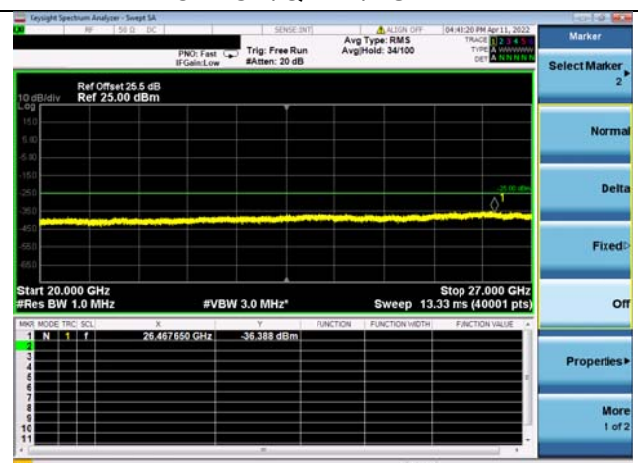
LOW CH/QPSK/1RB74 and 1RB0



LOW CH/QPSK/FULL RB

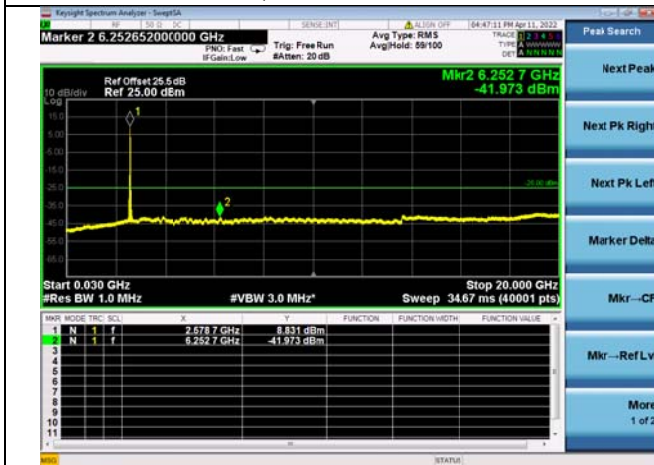


LOW CH/QPSK/FULL RB

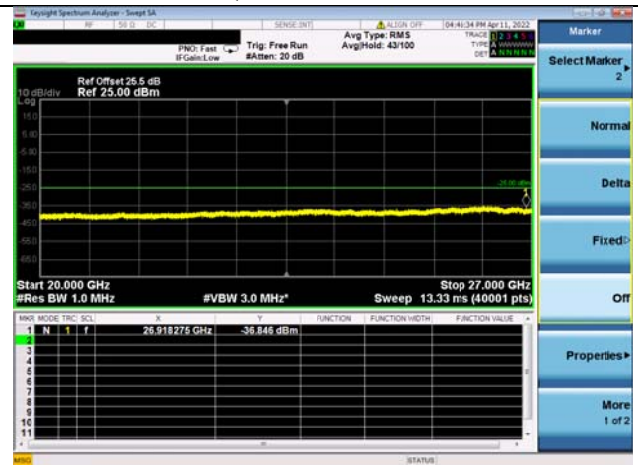




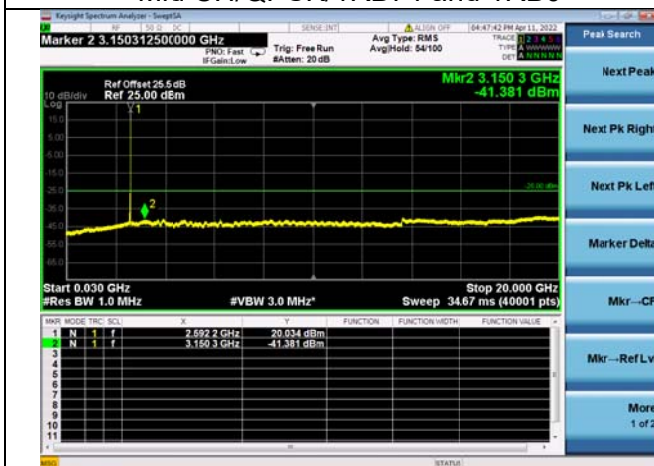
Mid CH/QPSK/1RB0 and 1RB74



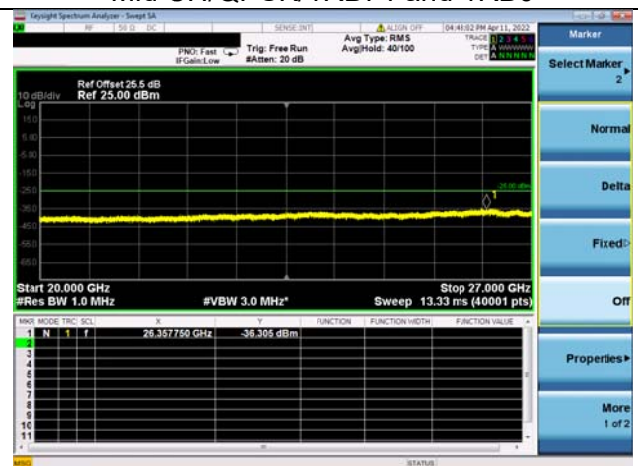
Mid CH/QPSK/1RB0 and 1RB74



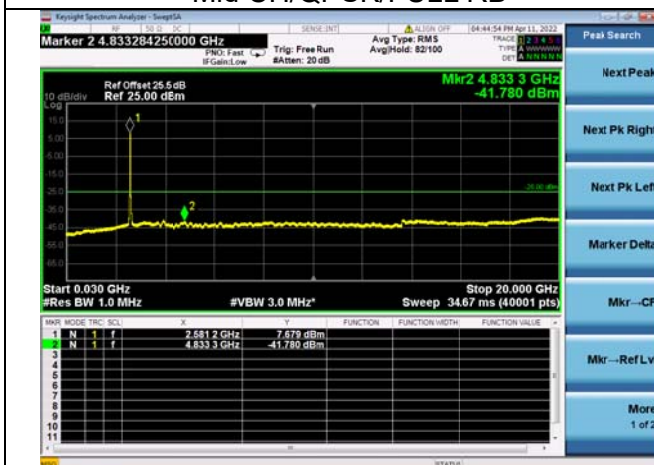
Mid CH/QPSK/1RB74 and 1RB0



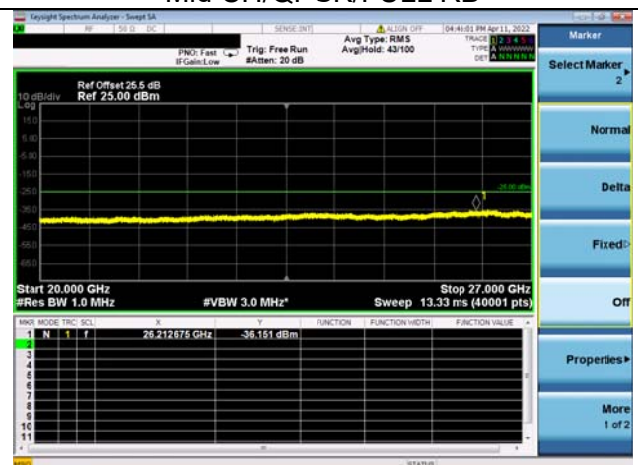
Mid CH/QPSK/1RB74 and 1RB0



Mid CH/QPSK/FULL RB

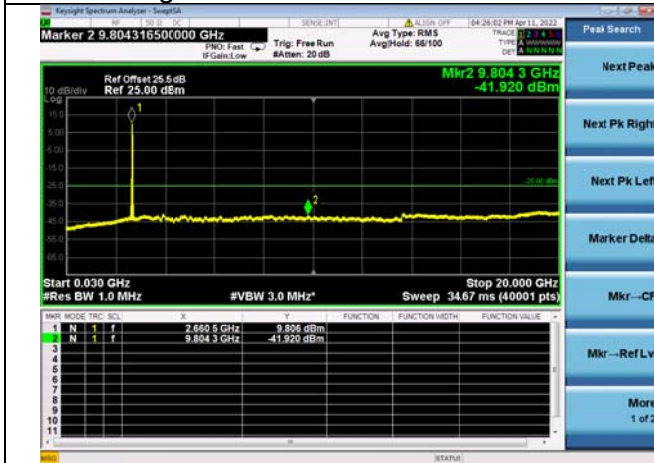


Mid CH/QPSK/FULL RB

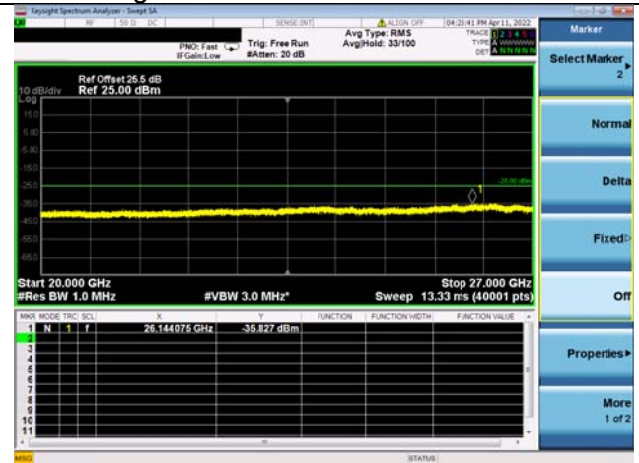




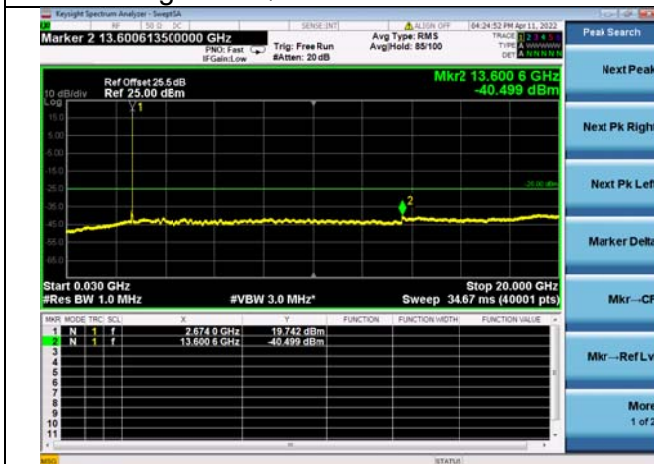
High CH/QPSK/1RB0 and 1RB74



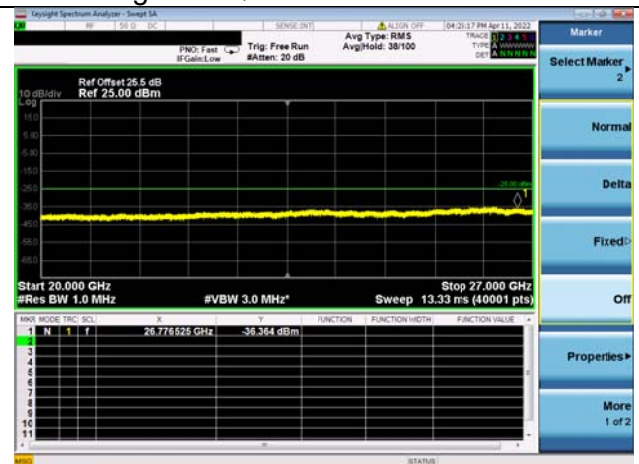
High CH/QPSK/1RB0 and 1RB74



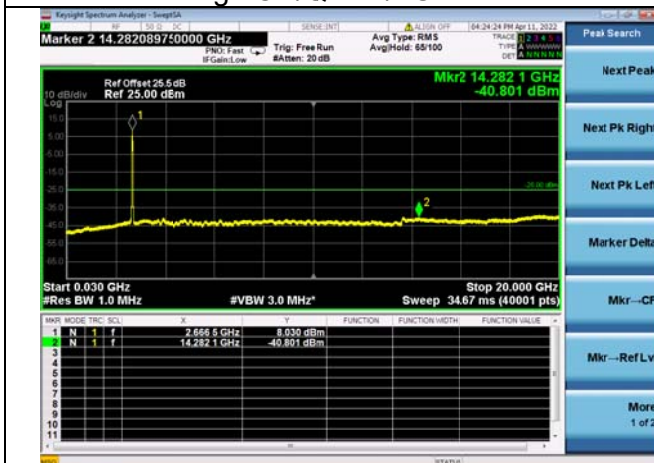
High CH/QPSK/1RB74 and 1RB0



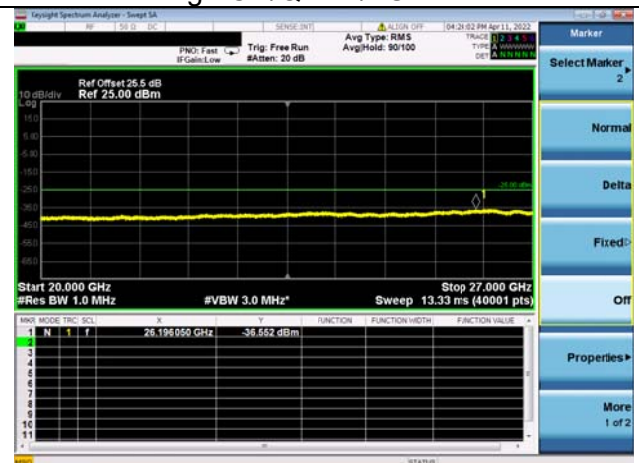
High CH/QPSK/1RB74 and 1RB0



High CH/QPSK/FULL RB



High CH/QPSK/FULL RB

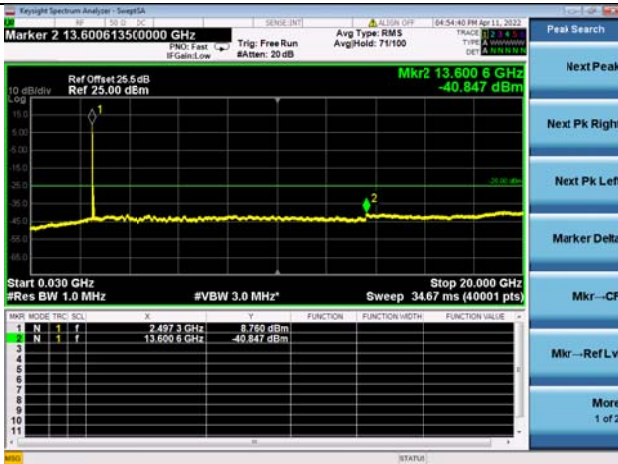




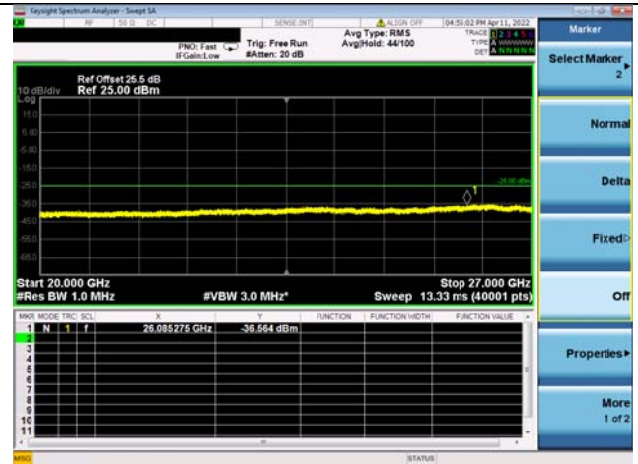
LTE CA 41C CSE

Channel Bandwidth: 15MHz+20MHz

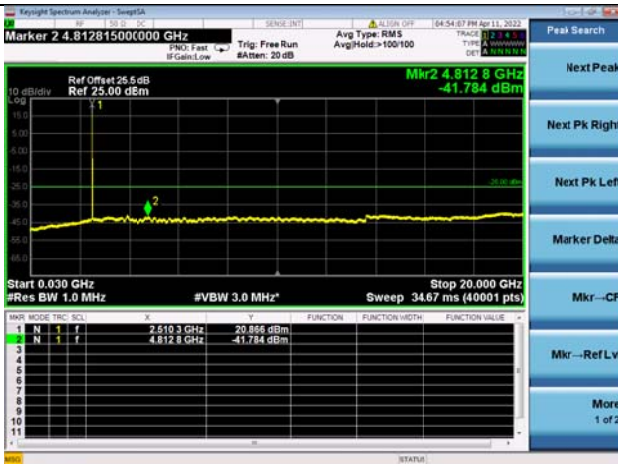
LOW CH/QPSK/1RB0 and 1RB99



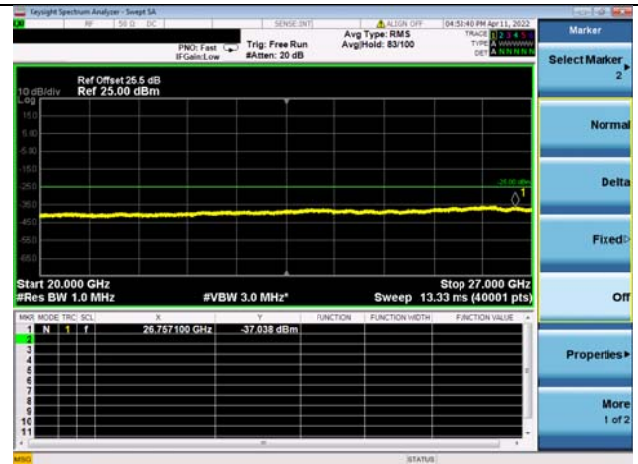
LOW CH/QPSK/1RB0 and 1RB99



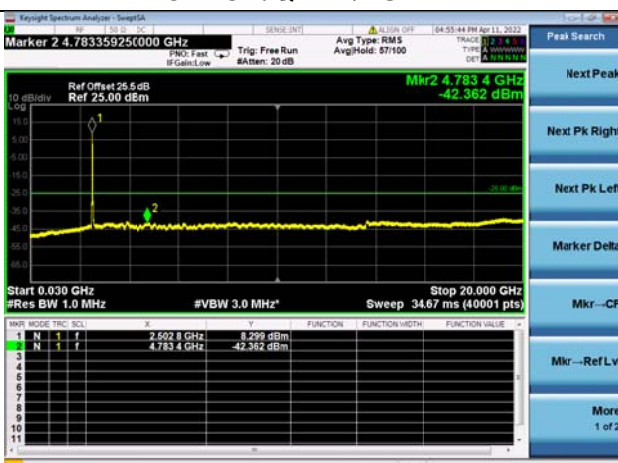
LOW CH/QPSK/1RB74 and 1RB0



LOW CH/QPSK/1RB74 and 1RB0



LOW CH/QPSK/FULL RB

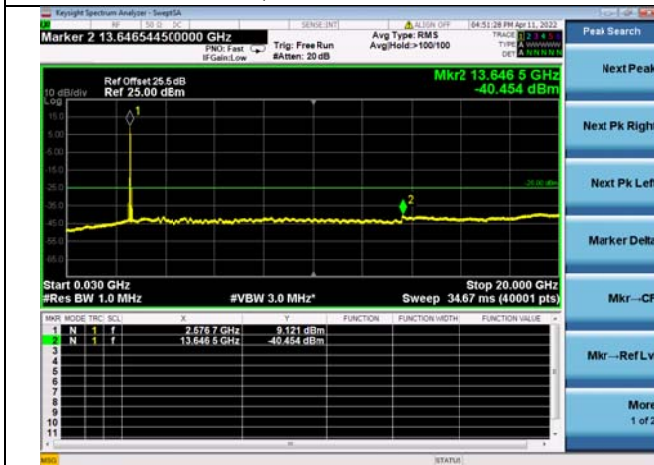


LOW CH/QPSK/FULL RB

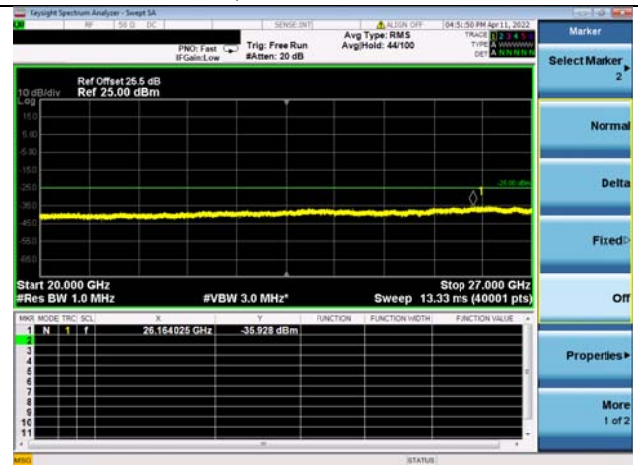




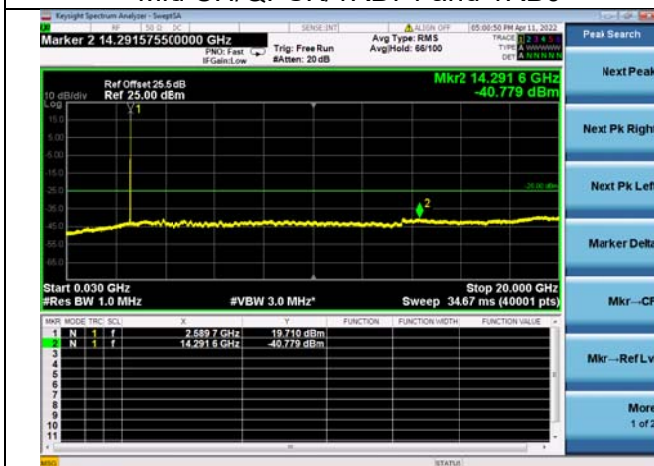
Mid CH/QPSK/1RB0 and 1RB99



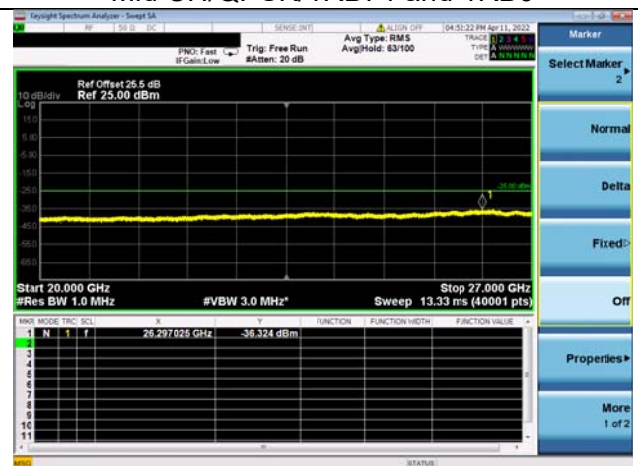
Mid CH/QPSK/1RB0 and 1RB99



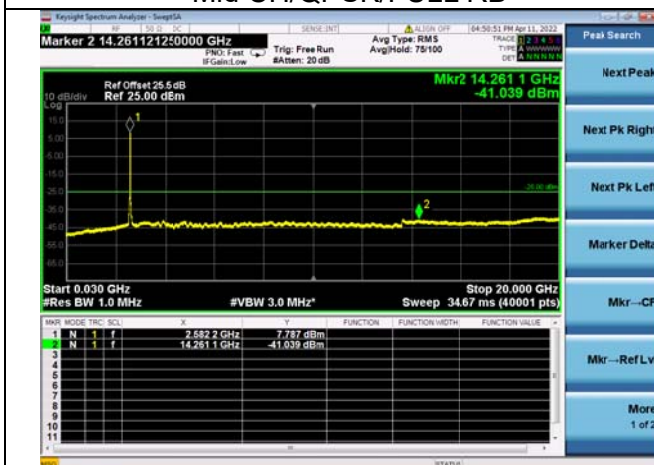
Mid CH/QPSK/1RB74 and 1RB0



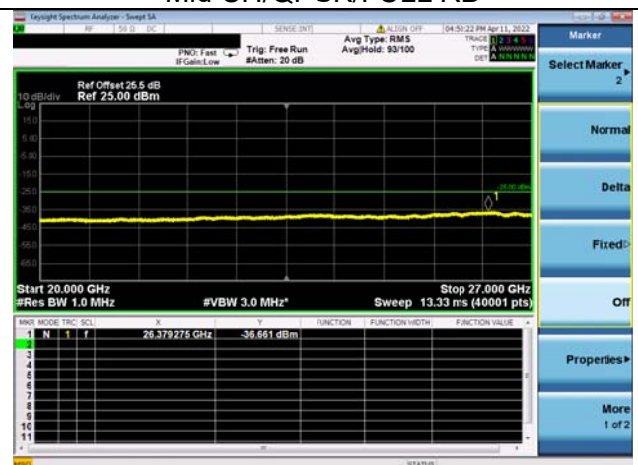
Mid CH/QPSK/1RB74 and 1RB0



Mid CH/QPSK/FULL RB

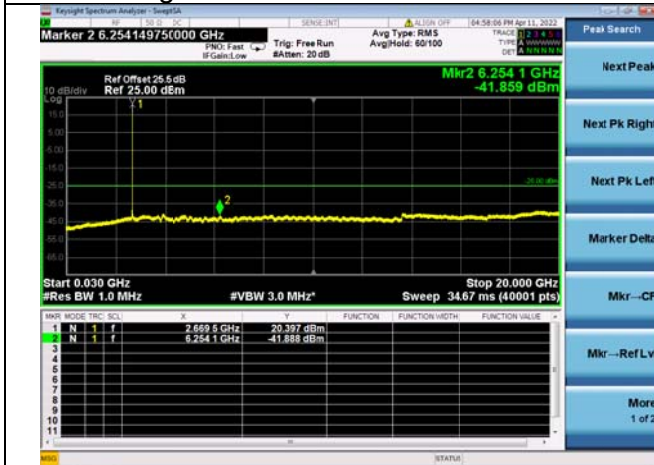


Mid CH/QPSK/FULL RB

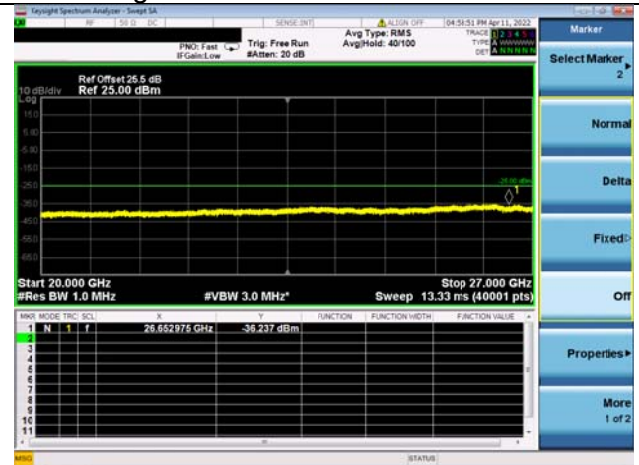




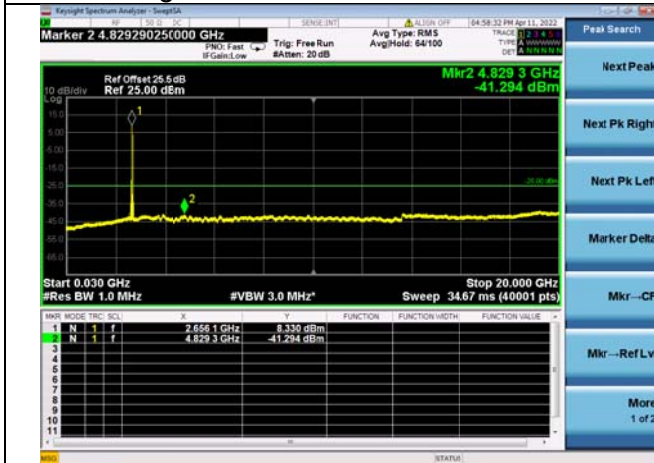
High CH/QPSK/1RB0 and 1RB99



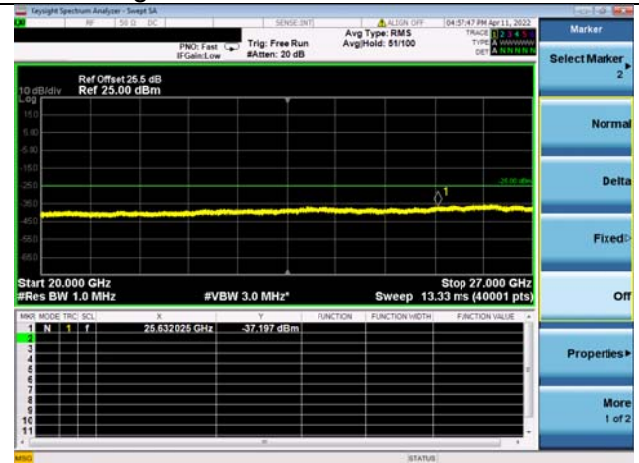
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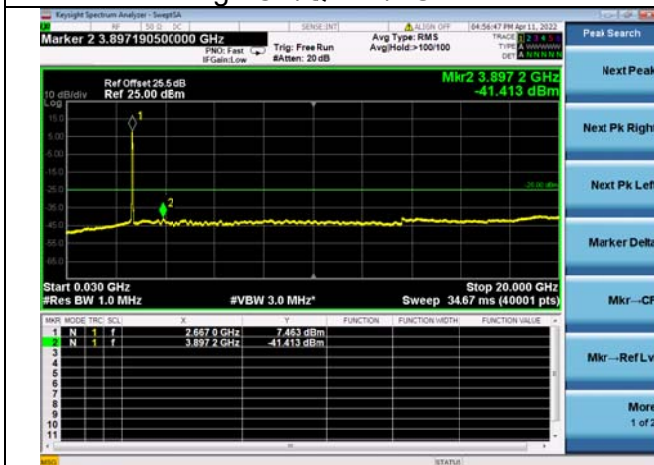
High CH/QPSK/1RB74 and 1RB0



High CH/QPSK/1RB74 and 1RB0



High CH/QPSK/FULL RB



High CH/QPSK/FULL RB

