

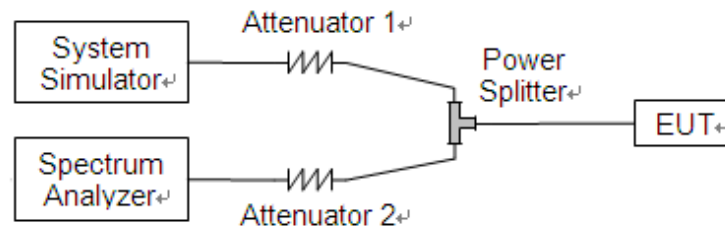
## 2.3. Conducted Spurious Emissions

### 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, 38: 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 50Ohm; 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.

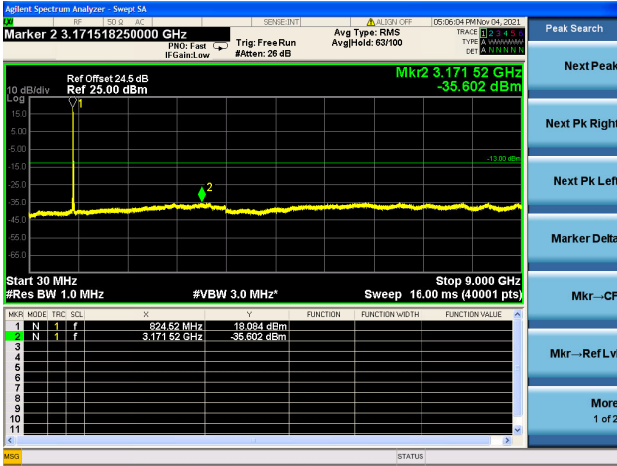
### 2.3.4. Test Result



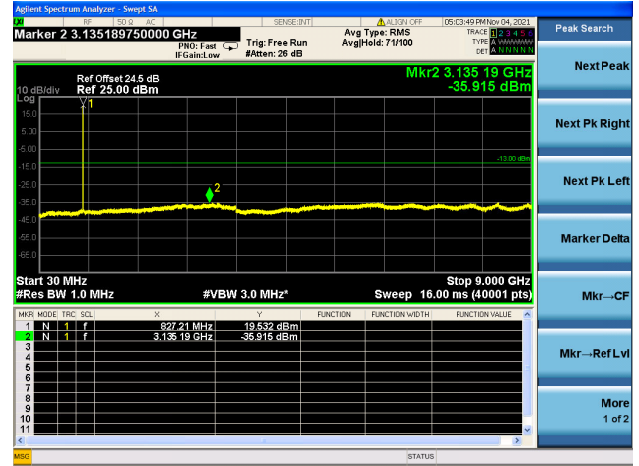
LTE Band 5B CSE

Channel Bandwidth: 3MHz+5MHz

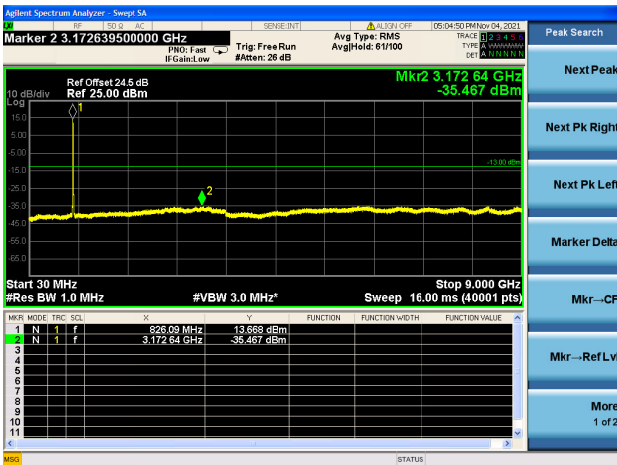
LOW CH/QPSK/1RB0 and 1RB24



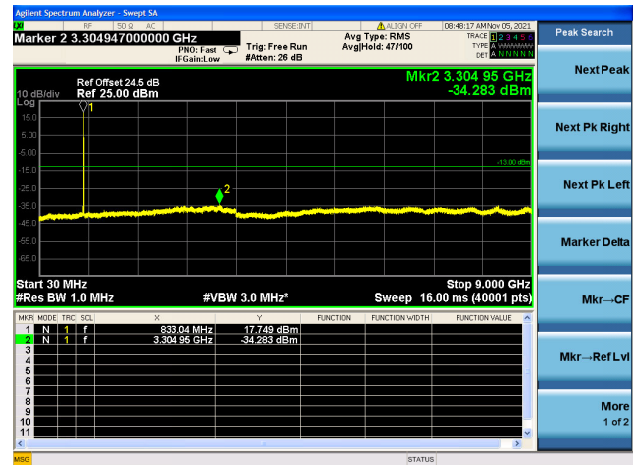
LOW CH/QPSK/ 1RB14 and 1RB0



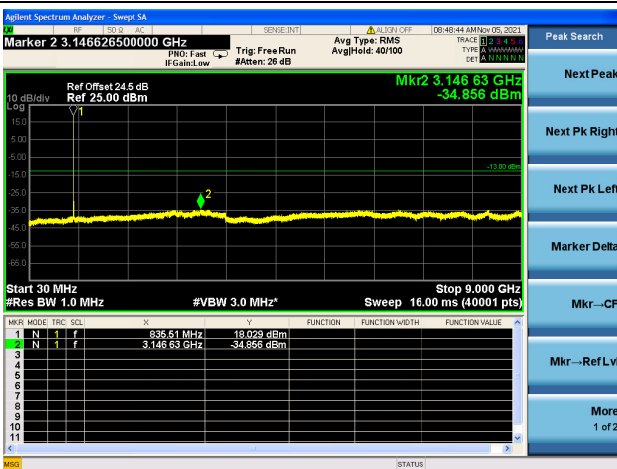
LOW CH/QPSK/FULL RB



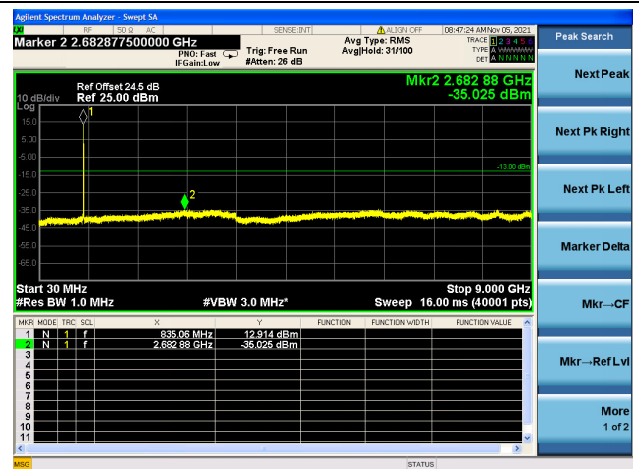
Mid CH/QPSK/1RB0 and 1RB24



Mid CH/QPSK/1RB14 and 1RB0

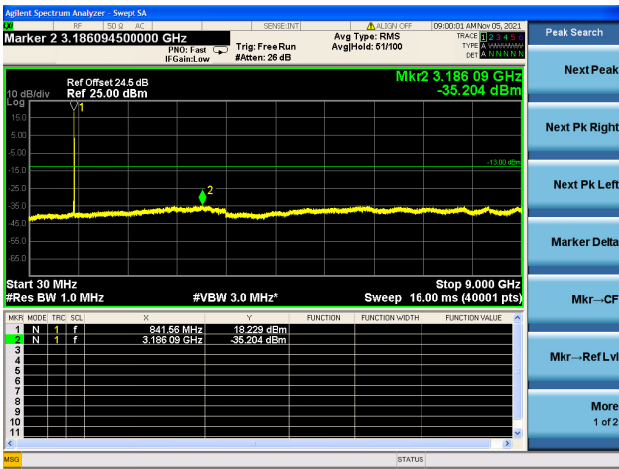


Mid CH/QPSK/FULL RB

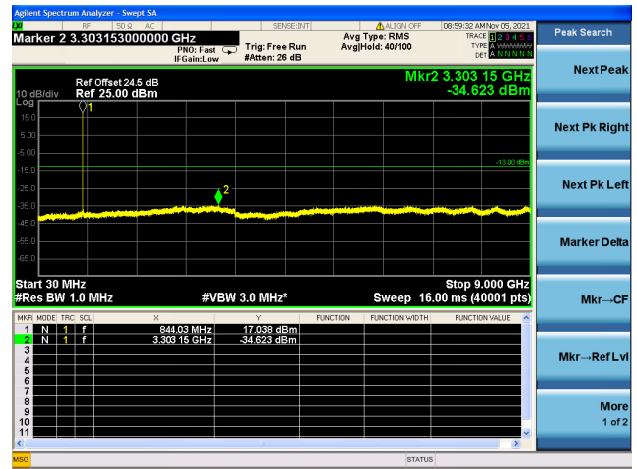




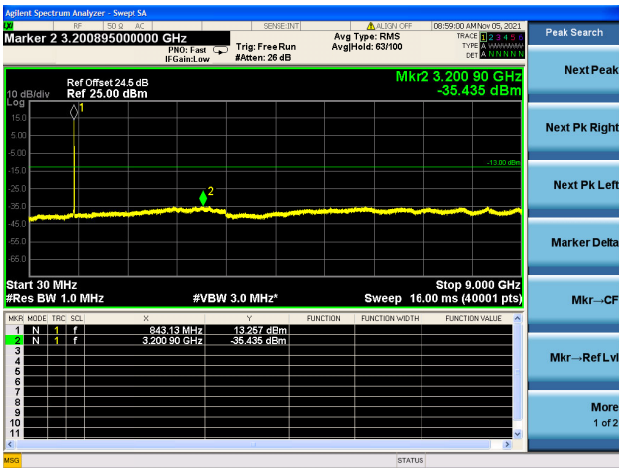
High CH/QPSK/1RB0 and 1RB24



High CH/QPSK/1RB14 and 1RB0



High CH/QPSK/FULL RB



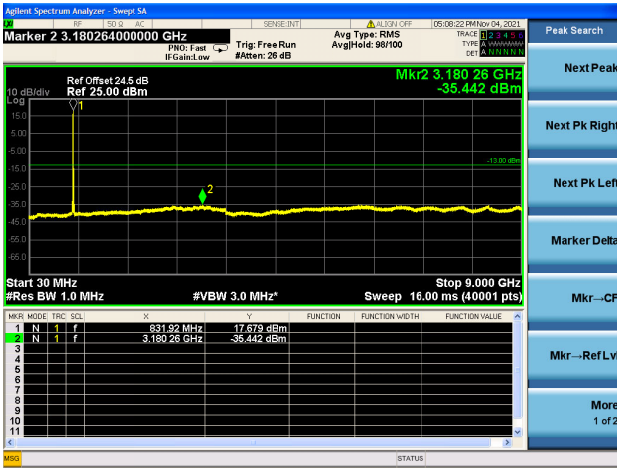
N/A



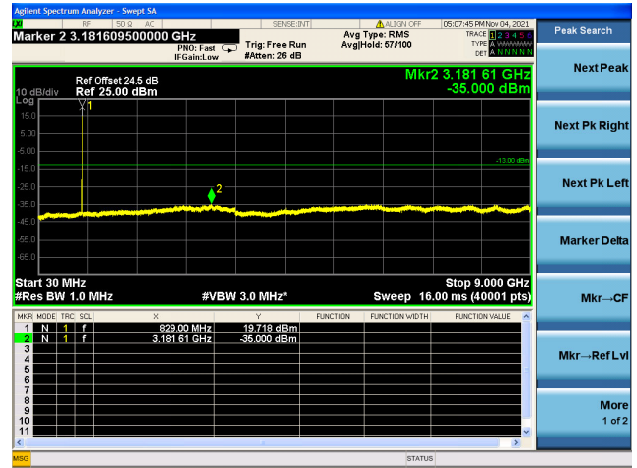
LTE Band 5B CSE

Channel Bandwidth: 5MHz+3MHz

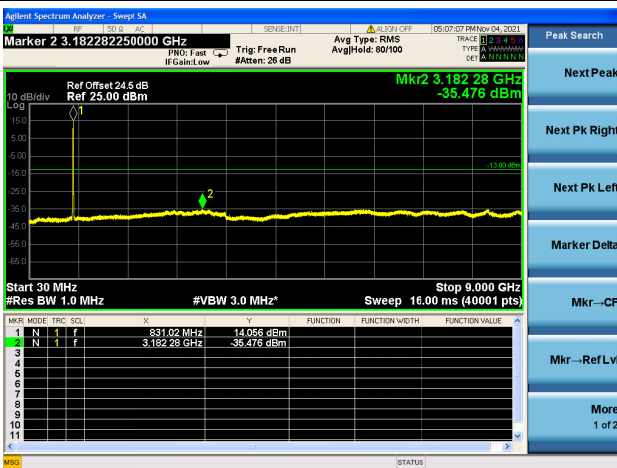
LOW CH/QPSK/1RB0 and 1RB14



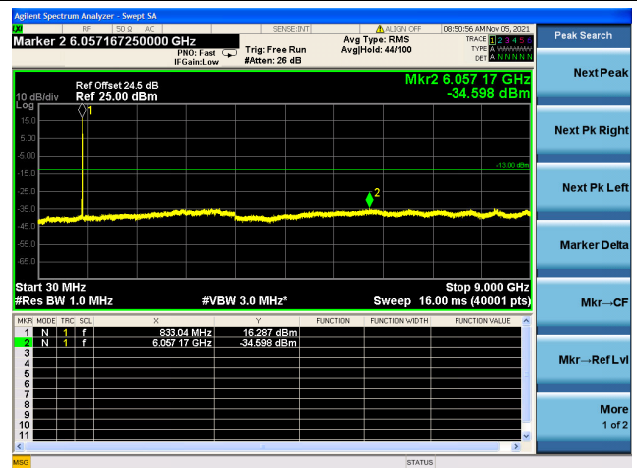
LOW CH/QPSK/1RB24 and 1RB0



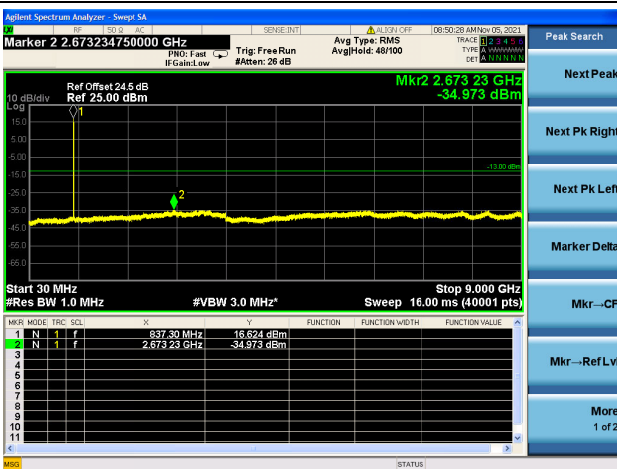
LOW CH/QPSK/FULL RB



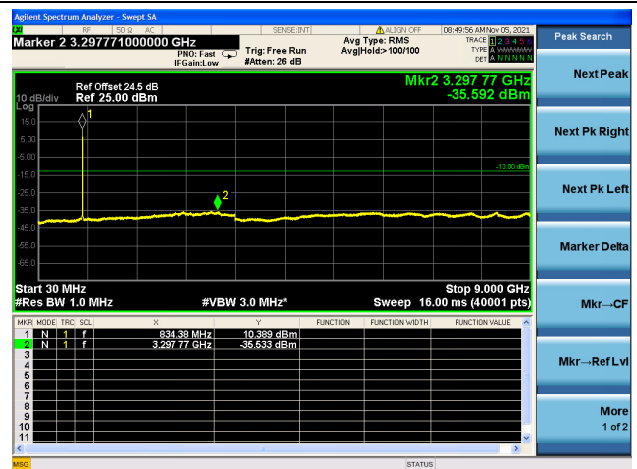
Mid CH/QPSK/1RB0 and 1RB14



Mid CH/QPSK/1RB24 and 1RB0

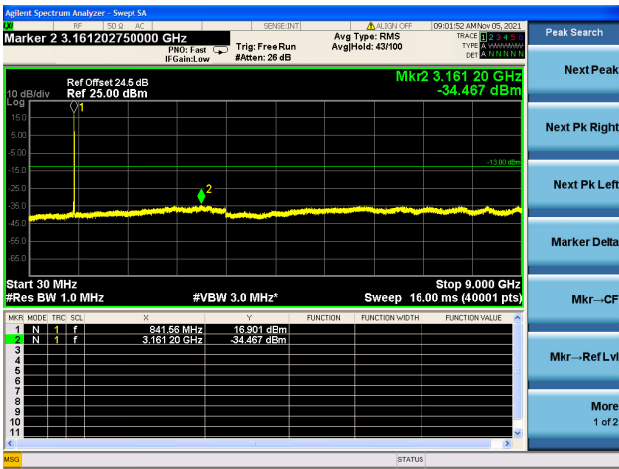


Mid CH/QPSK/FULL RB

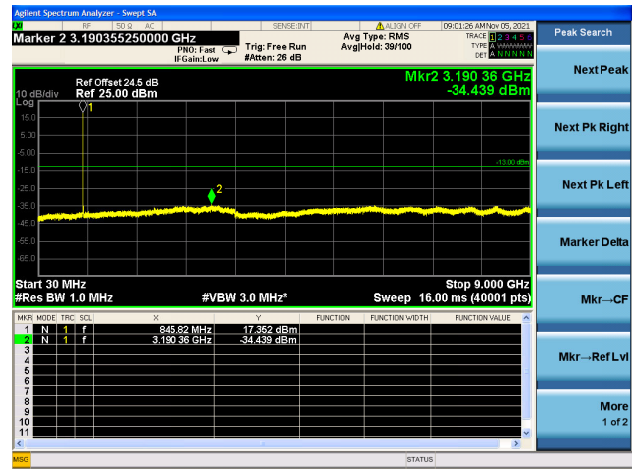




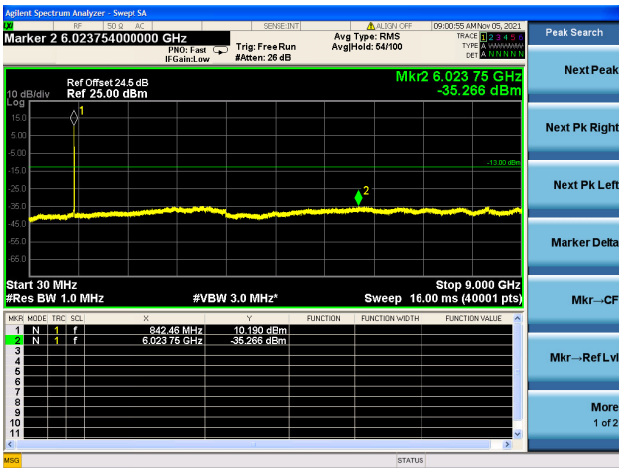
### High CH/QPSK/1RB0 and 1RB14



### High CH/QPSK/1RB24 and 1RB0



### High CH/QPSK/FULL RB



N/A

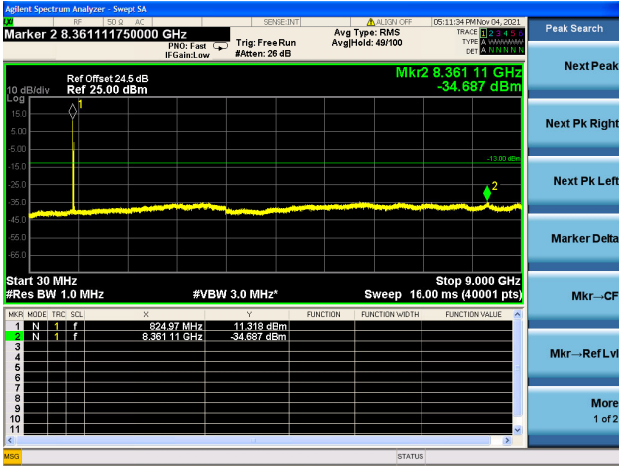




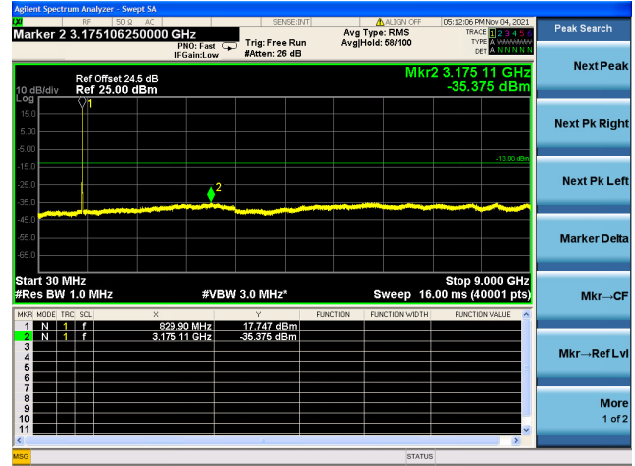
LTE Band 5B CSE

Channel Bandwidth: 5MHz+10MHz

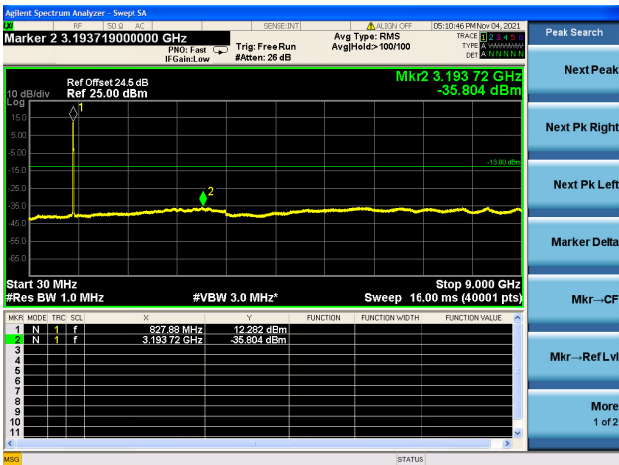
LOW CH/QPSK/1RB0 and 1RB49



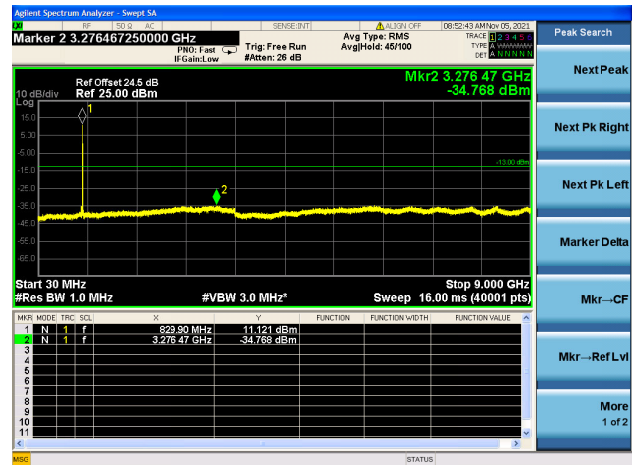
LOW CH/QPSK/1RB24 and 1RB0



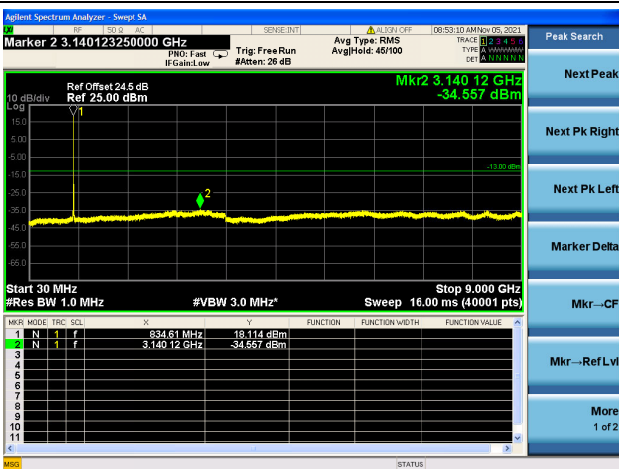
LOW CH/QPSK/FULL RB



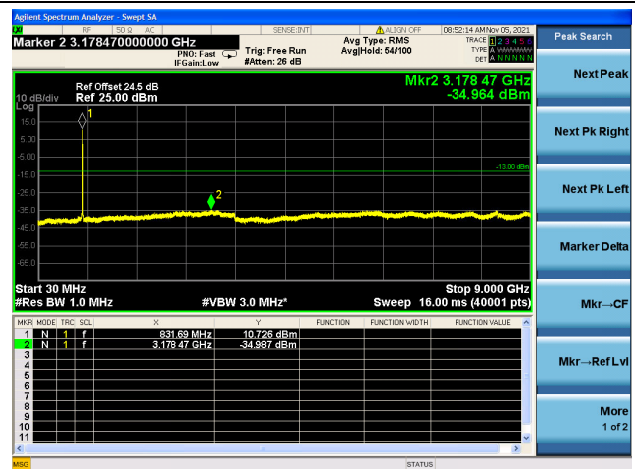
Mid CH/QPSK/1RB0 and 1RB49



Mid CH/QPSK/1RB24 and 1RB0

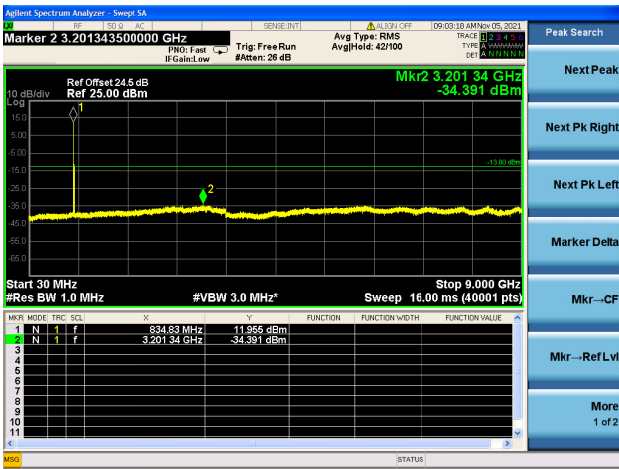


Mid CH/QPSK/FULL RB

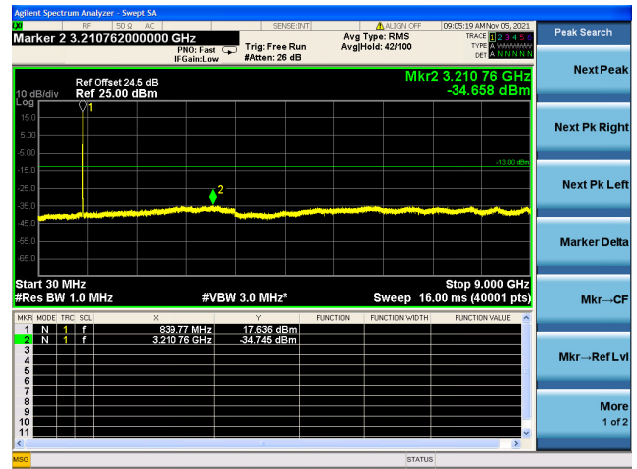




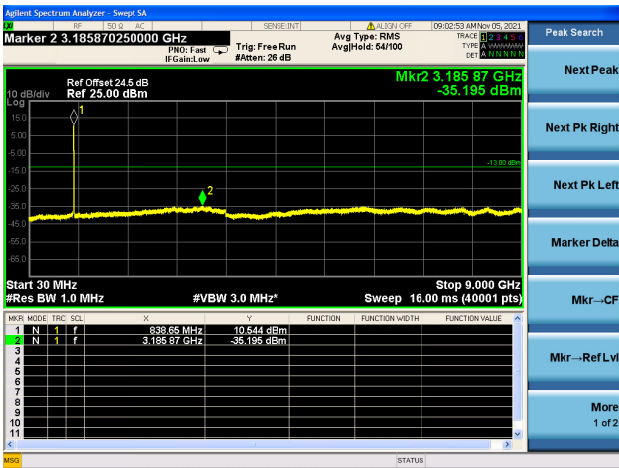
High CH/QPSK/1RB0 and 1RB49



High CH/QPSK/1RB24 and 1RB0



High CH/QPSK/FULL RB



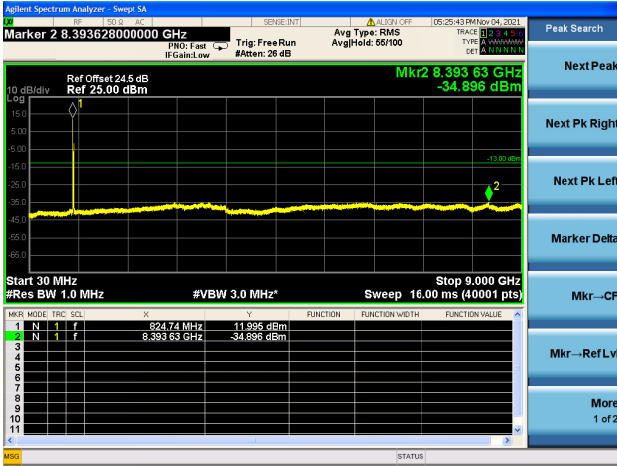
N/A



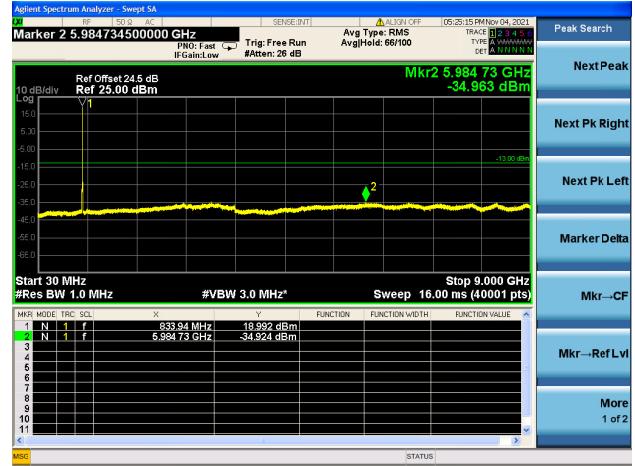
LTE Band 5B CSE

Channel Bandwidth: 10MHz+5MHz

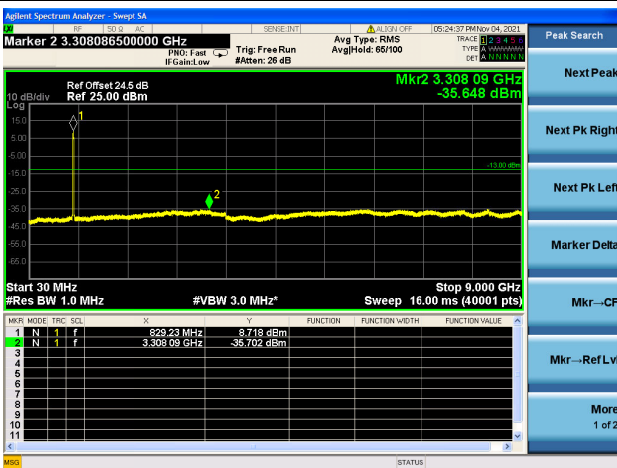
LOW CH/QPSK/1RB0 and 1RB24



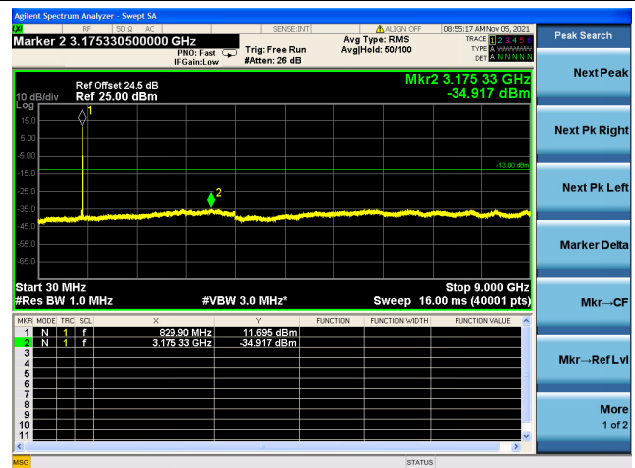
LOW CH/QPSK/1RB49 and 1RB0



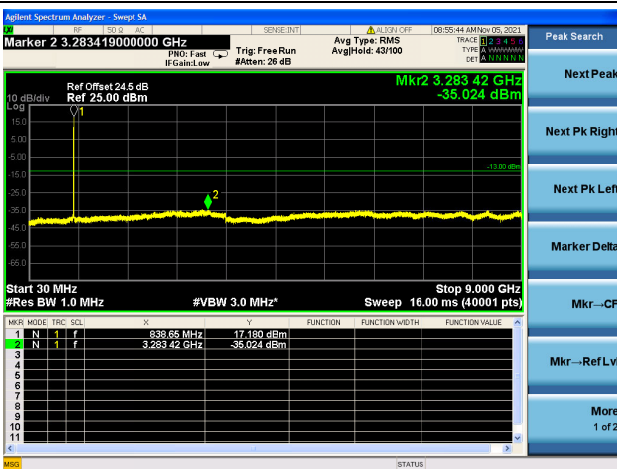
LOW CH/QPSK/FULL RB



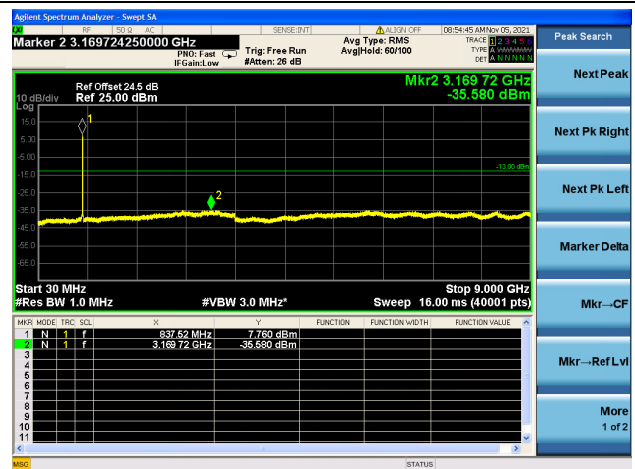
Mid CH/QPSK/1RB0 and 1RB24



Mid CH/QPSK/1RB49 and 1RB0



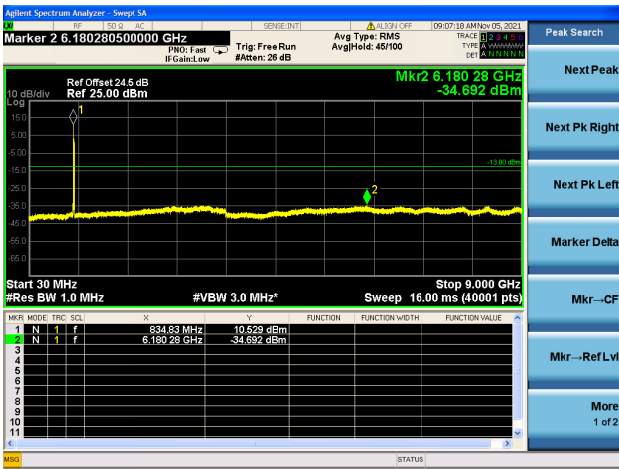
Mid CH/QPSK/FULL RB



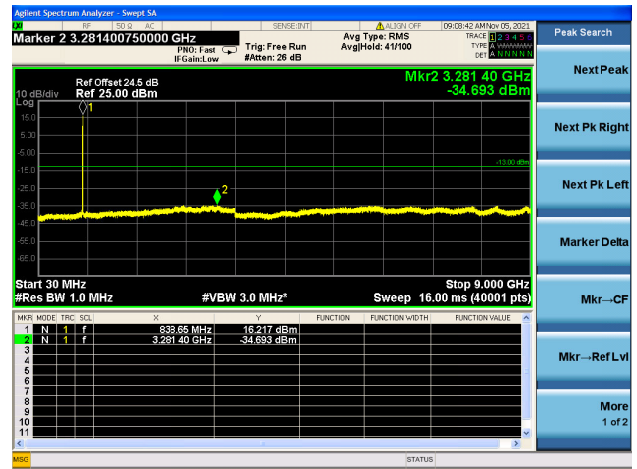




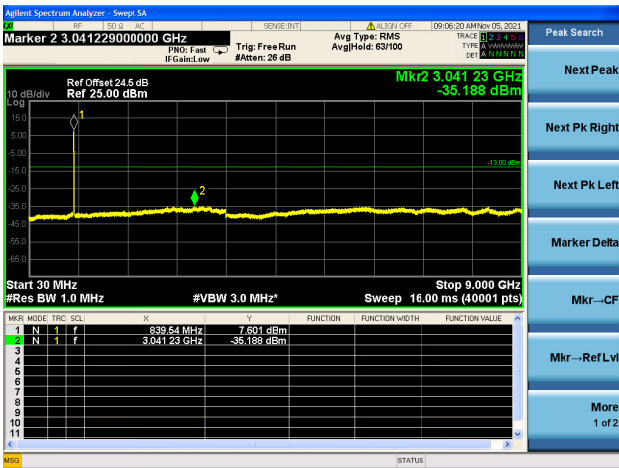
High CH/QPSK/1RB0 and 1RB24



High CH/QPSK/1RB49 and 1RB0



High CH/QPSK/FULL RB



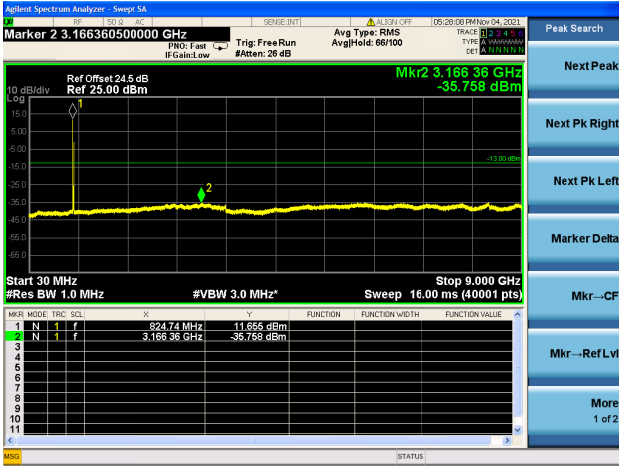
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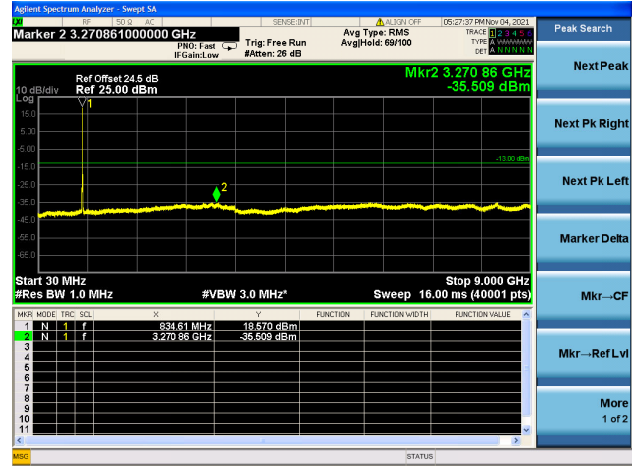
LTE Band 5B CSE

Channel Bandwidth: 10MHz+10MHz

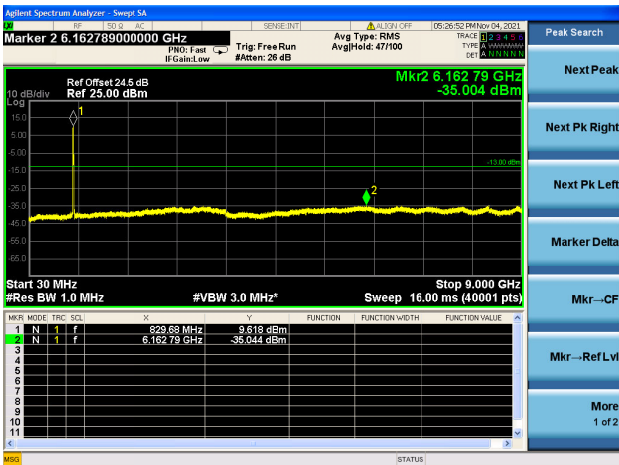
LOW CH/QPSK/1RB0 and 1RB49



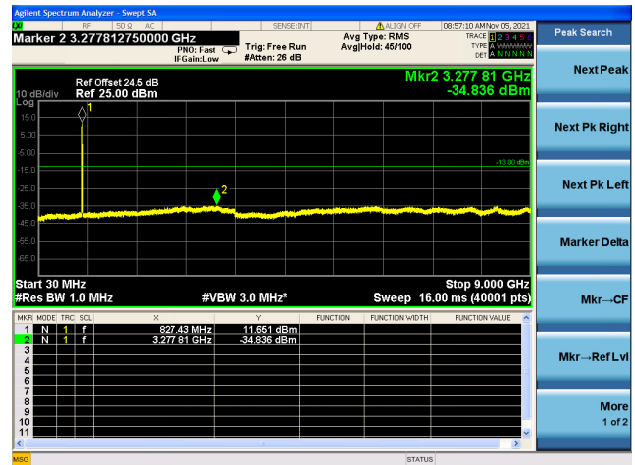
LOW CH/QPSK/1RB49 and 1RB0



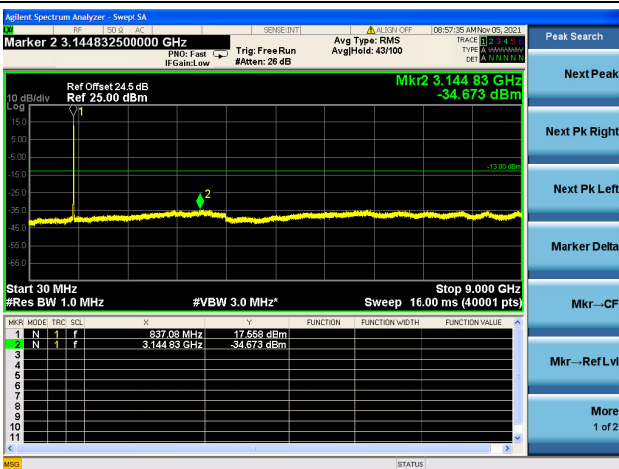
LOW CH/QPSK/FULL RB



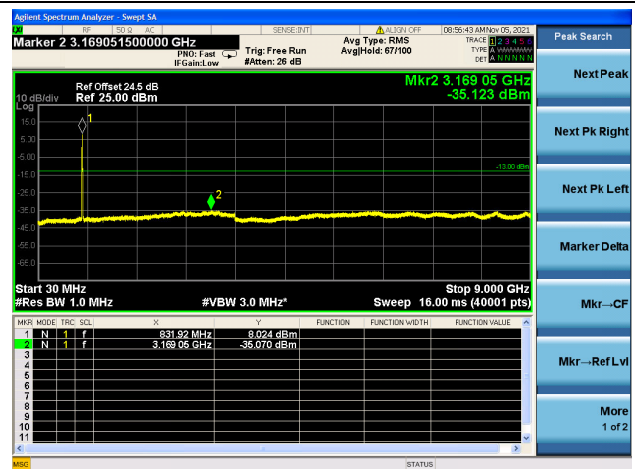
Mid CH/QPSK/1RB0 and 1RB49



Mid CH/QPSK/1RB49 and 1RB0

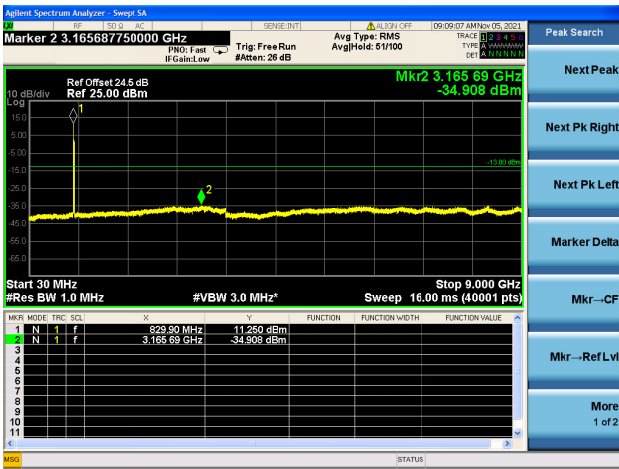


Mid CH/QPSK/FULL RB

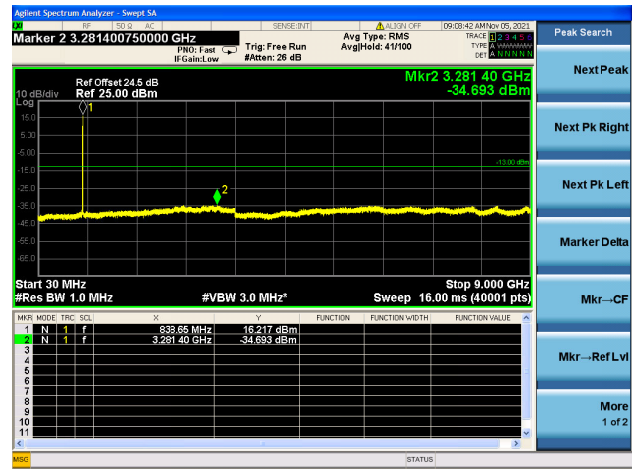




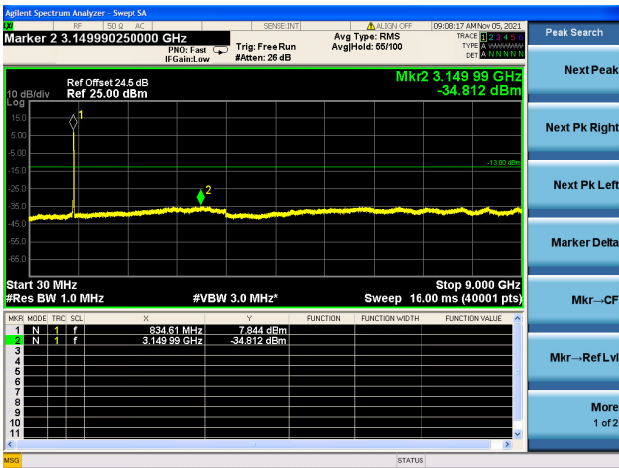
High CH/QPSK/1RB0 and 1RB49



High CH/QPSK/1RB49 and 1RB0



High CH/QPSK/FULL RB



N/A