

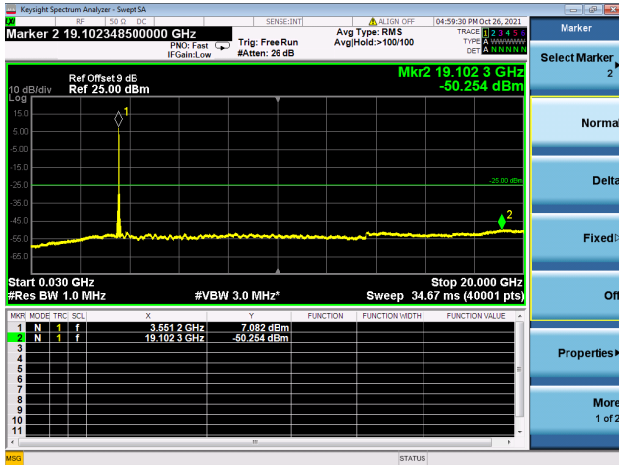


REPORT No.: SZ22030249W01

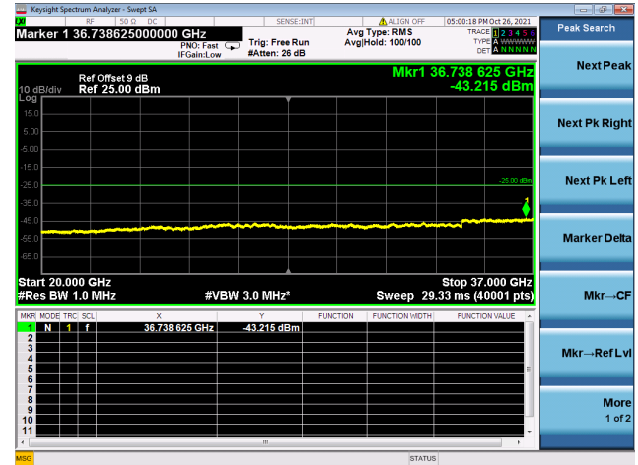
LTE Band 48C CSE

Channel Bandwidth: 5MHz+20MHz

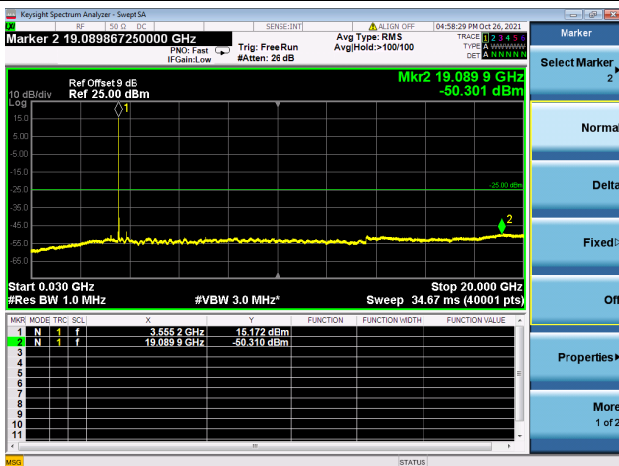
LOW CH/QPSK/1RB0 and 1RB99



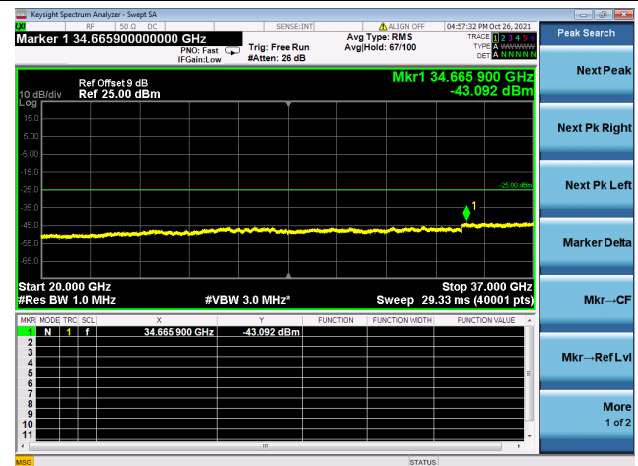
LOW CH/QPSK/1RB0 and 1RB99



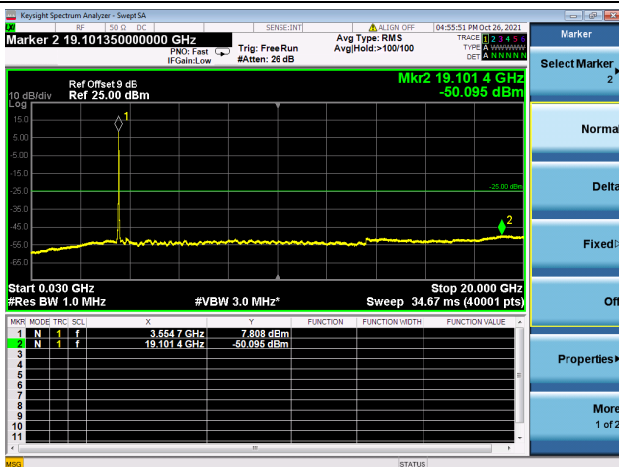
LOW CH/QPSK/1RB24 and 1RB0



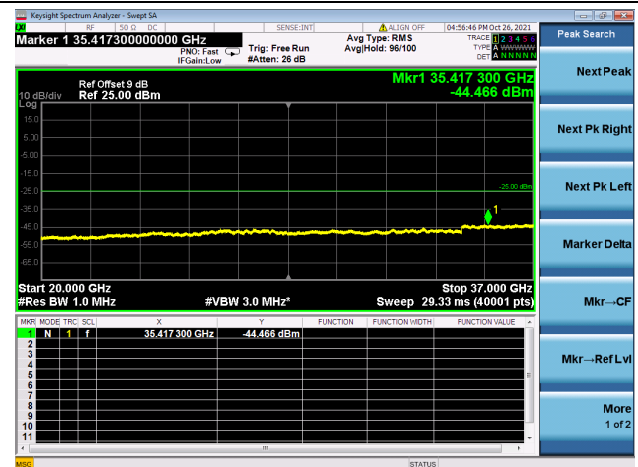
LOW CH/QPSK/1RB24 and 1RB0



LOW CH/QPSK/FULL RB

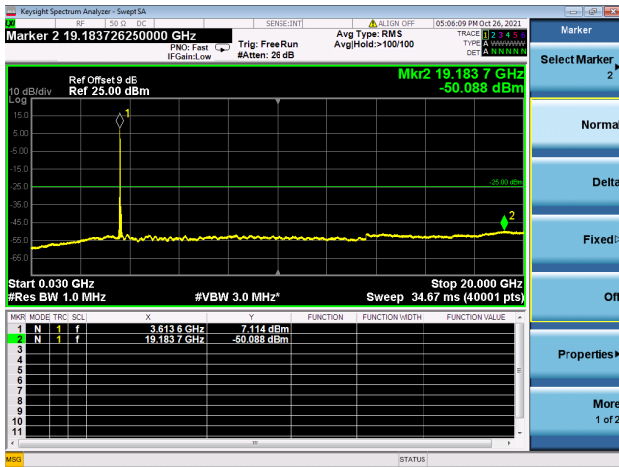


LOW CH/QPSK/FULL RB

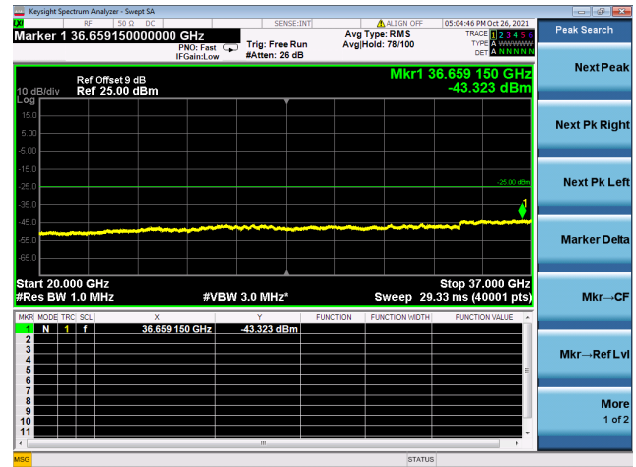




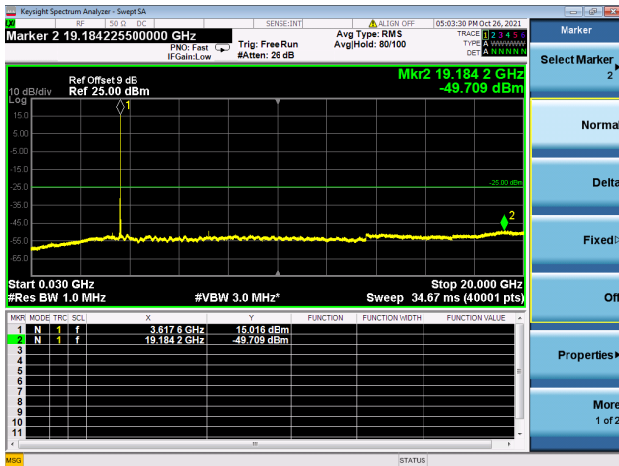
Mid CH/QPSK/1RB0 and 1RB99



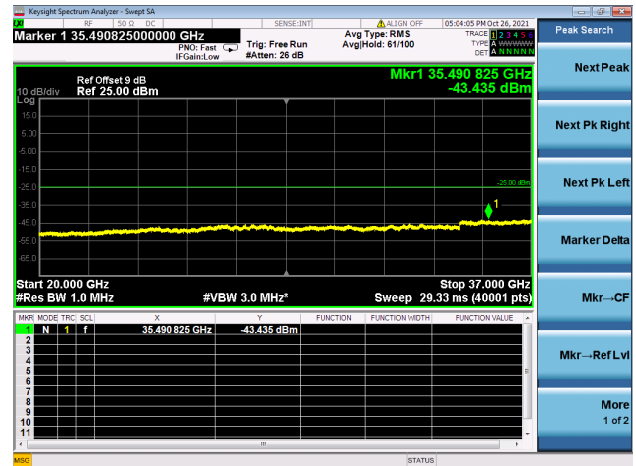
Mid CH/QPSK/1RB0 and 1RB99



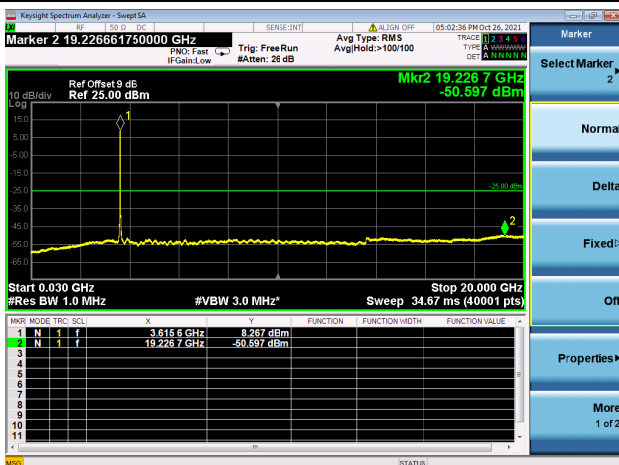
Mid CH/QPSK/1RB24 and 1RB0



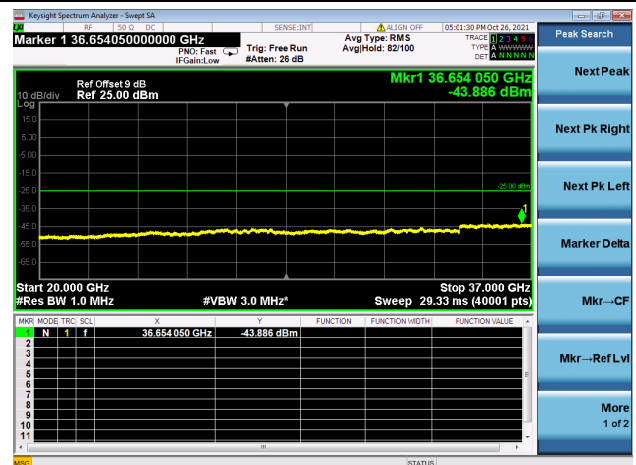
Mid CH/QPSK/1RB24 and 1RB0



Mid CH/QPSK/FULL RB

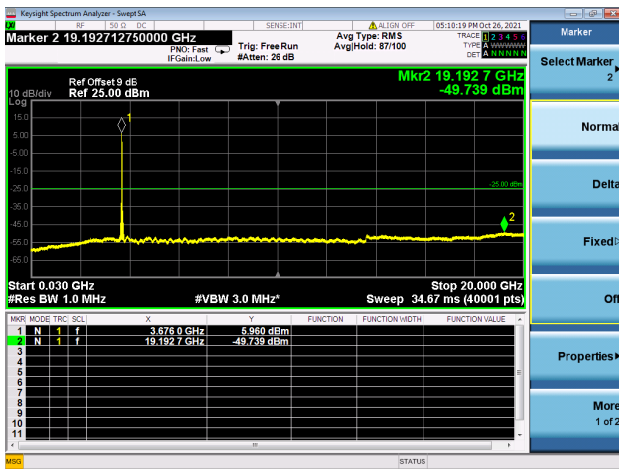


Mid CH/QPSK/FULL RB

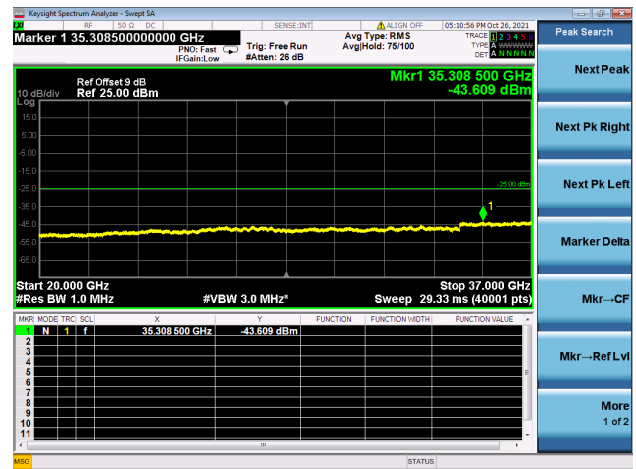




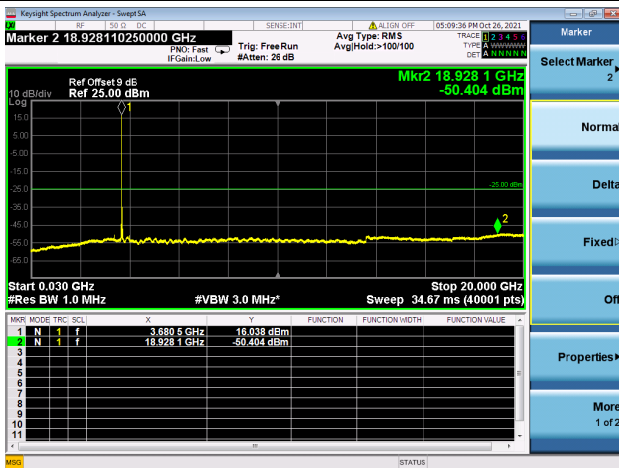
High CH/QPSK/1RB0 and 1RB99



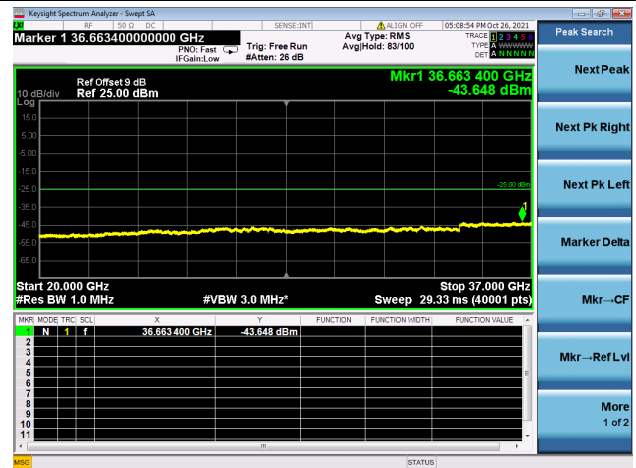
High CH/QPSK/1RB0 and 1RB99



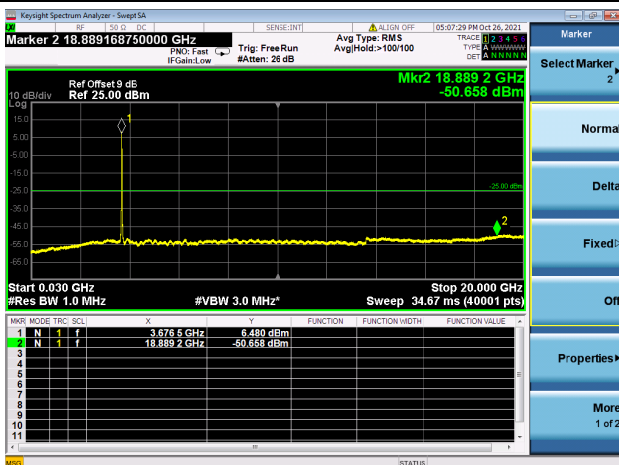
High CH/QPSK/1RB24 and 1RB0



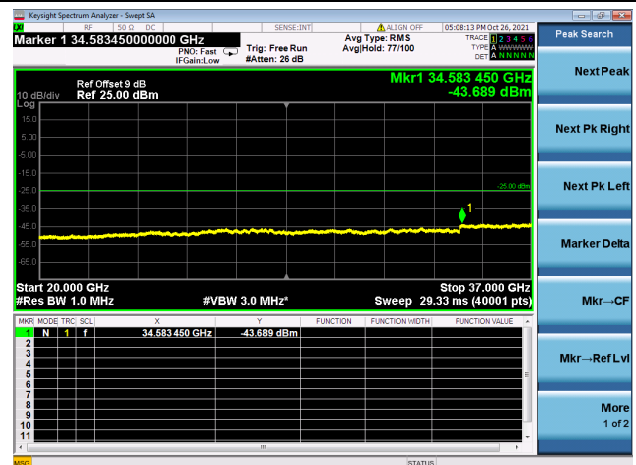
High CH/QPSK/1RB24 and 1RB0



High CH/QPSK/FULL RB



High CH/QPSK/FULL RB

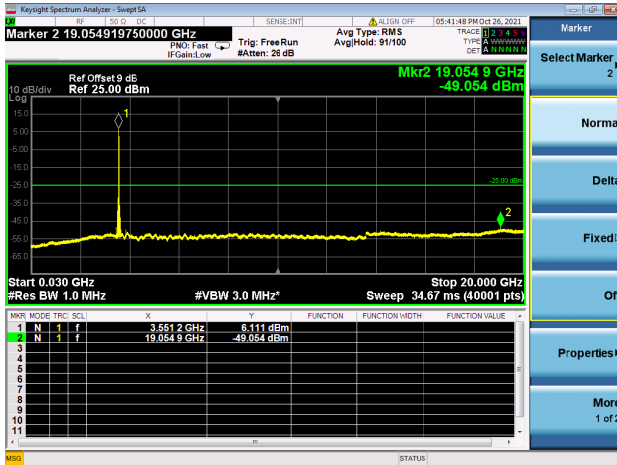




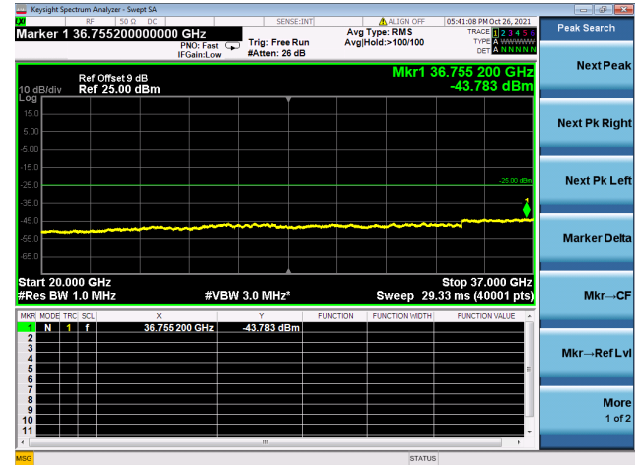
LTE Band 48C CSE

Channel Bandwidth: 10MHz+20MHz

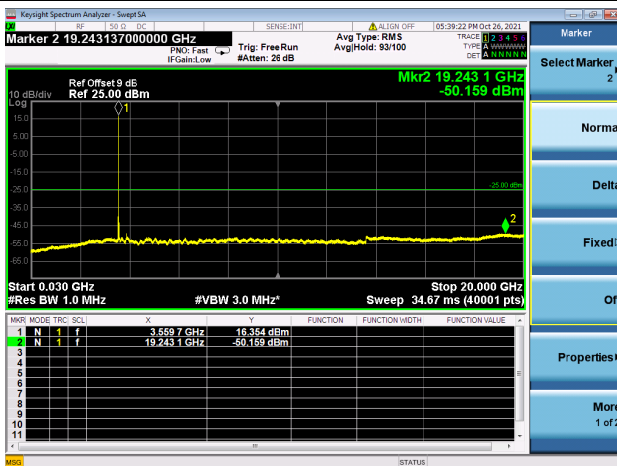
LOW CH/QPSK/1RB0 and 1RB99



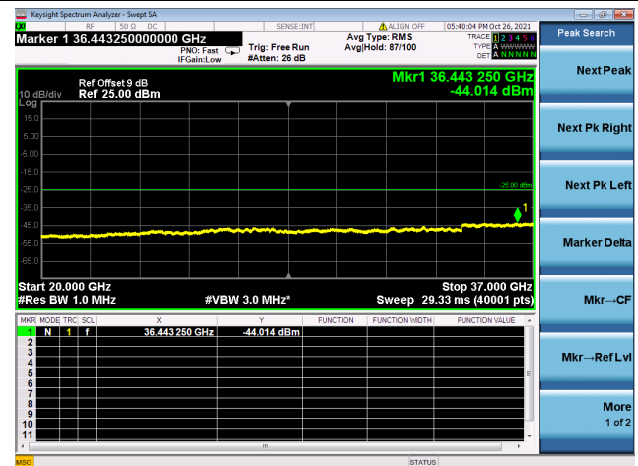
LOW CH/QPSK/1RB0 and 1RB99



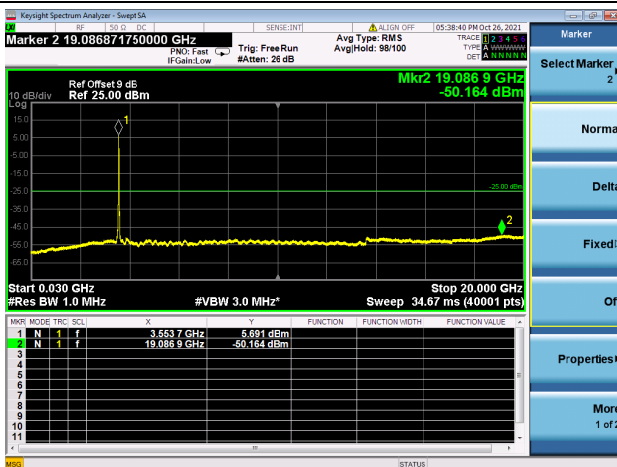
LOW CH/QPSK/1RB49 and 1RB0



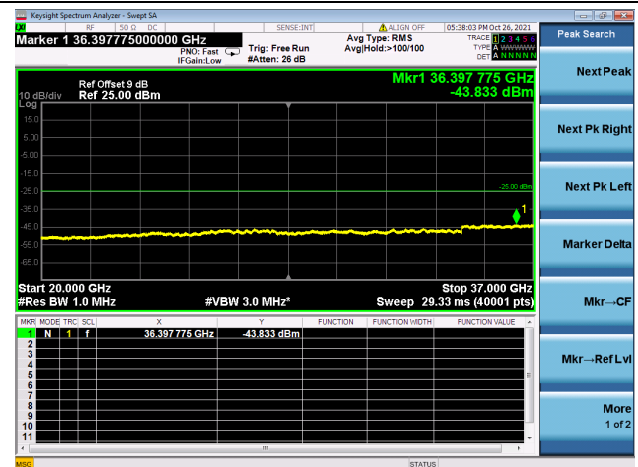
LOW CH/QPSK/1RB49 and 1RB0



LOW CH/QPSK/FULL RB

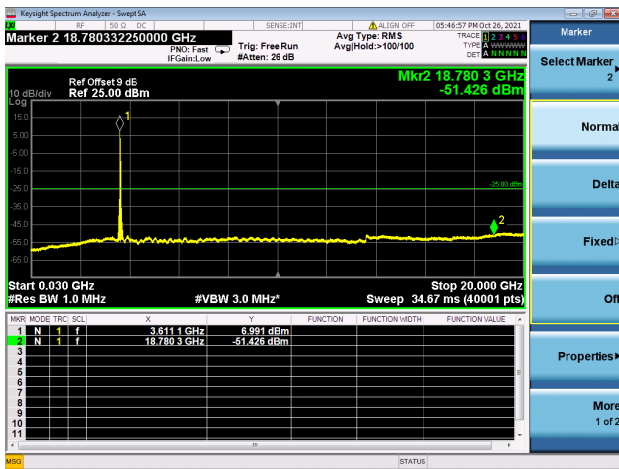


LOW CH/QPSK/FULL RB

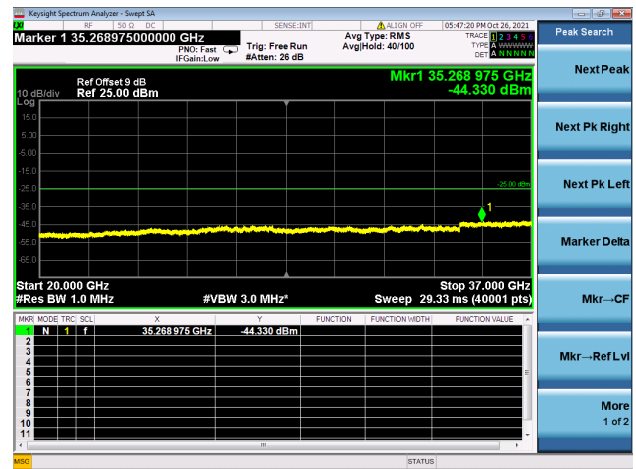




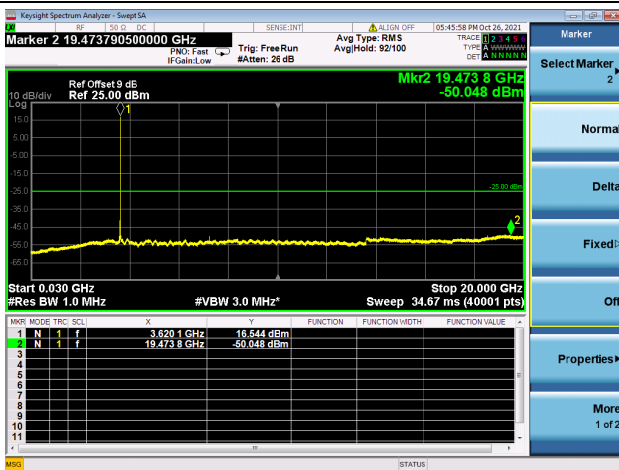
Mid CH/QPSK/1RB0 and 1RB99



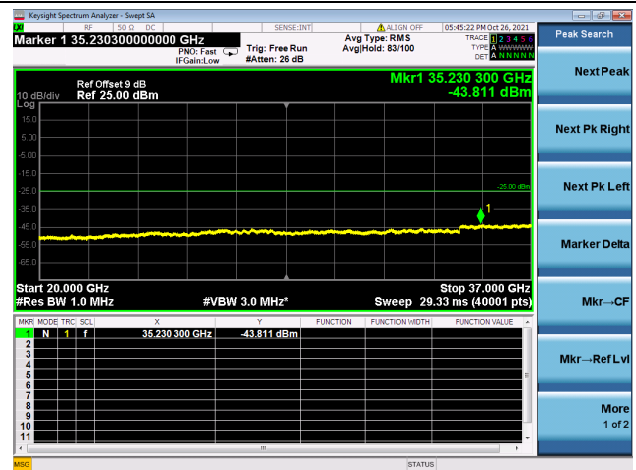
Mid CH/QPSK/1RB0 and 1RB99



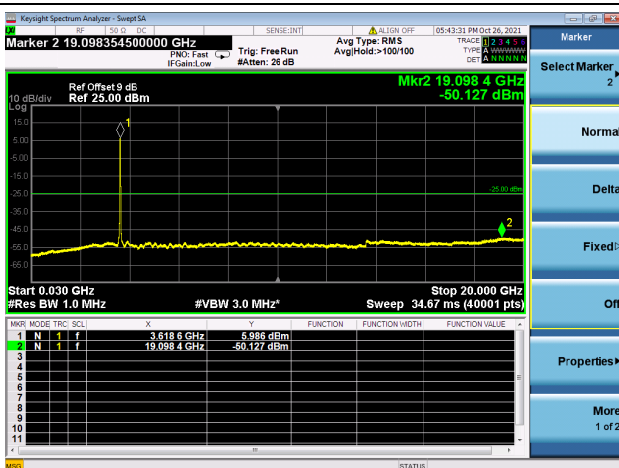
Mid CH/QPSK/1RB49 and 1RB0



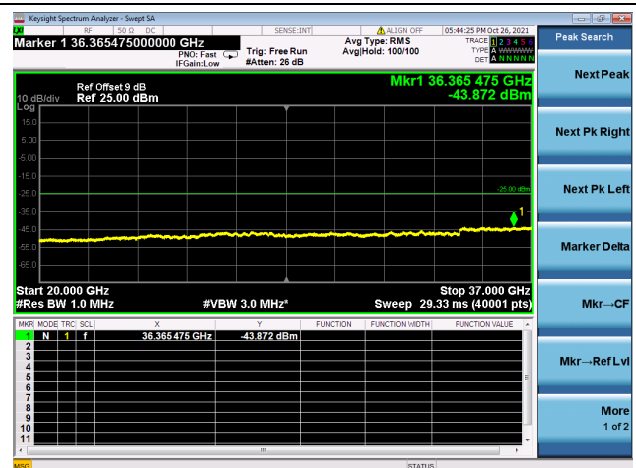
Mid CH/QPSK/1RB49 and 1RB0



Mid CH/QPSK/FULL RB

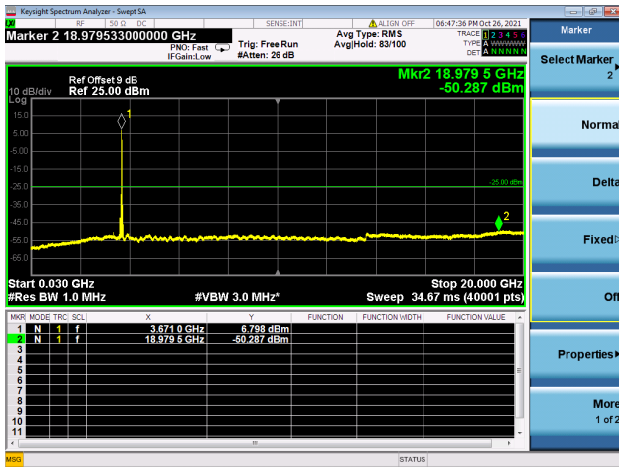


Mid CH/QPSK/FULL RB

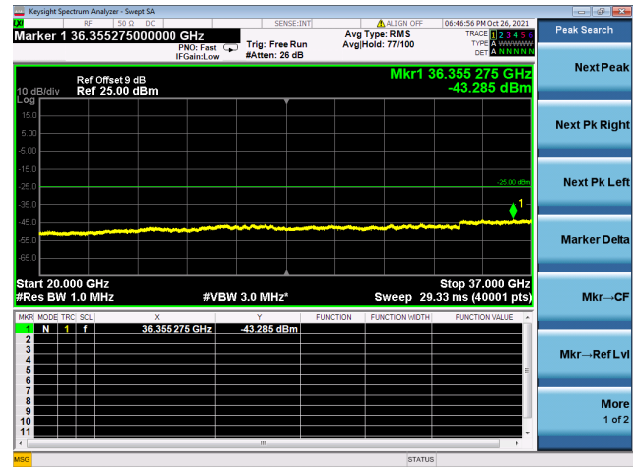




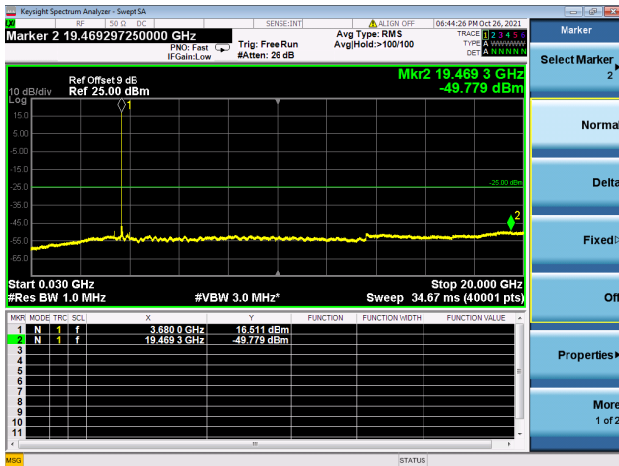
High CH/QPSK/1RB0 and 1RB99



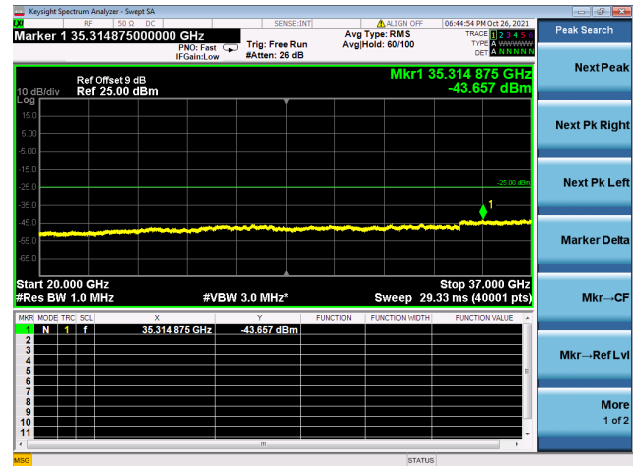
High CH/QPSK/1RB0 and 1RB99



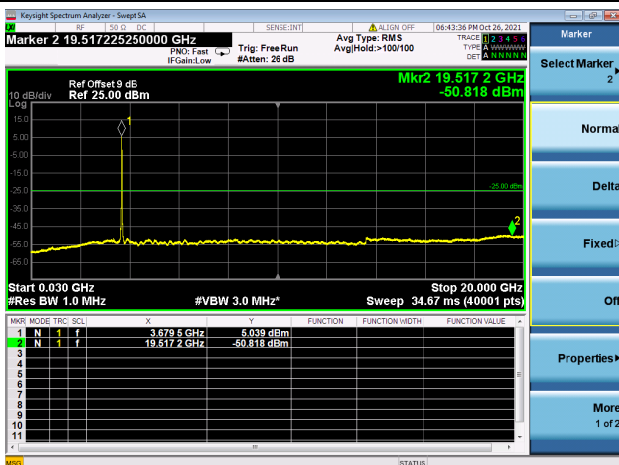
High CH/QPSK/1RB49 and 1RB0



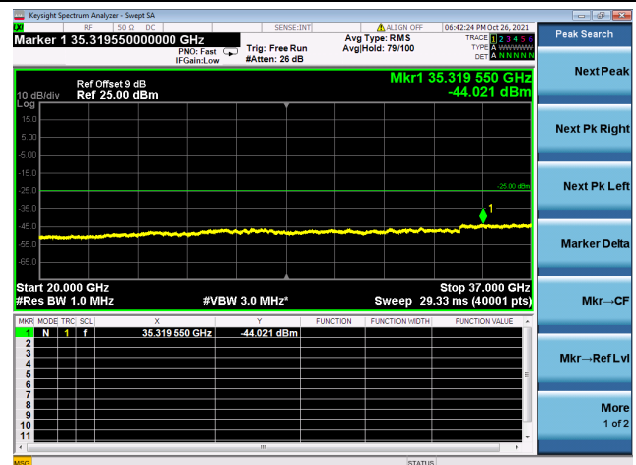
High CH/QPSK/1RB49 and 1RB0



High CH/QPSK/FULL RB



High CH/QPSK/FULL RB

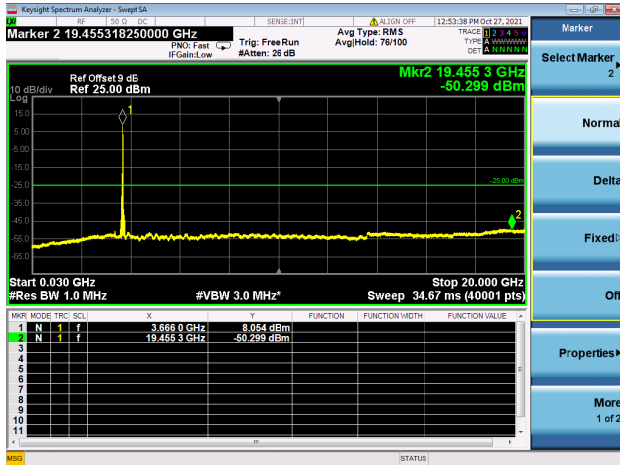




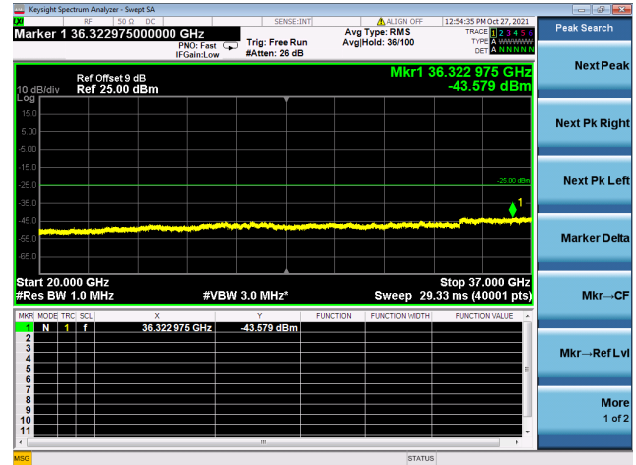
LTE Band 48C CSE

Channel Bandwidth: 15MHz+20MHz

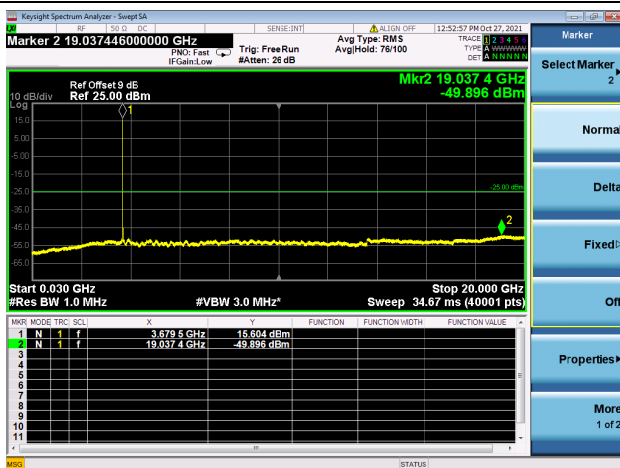
LOW CH/QPSK/1RB0 and 1RB99



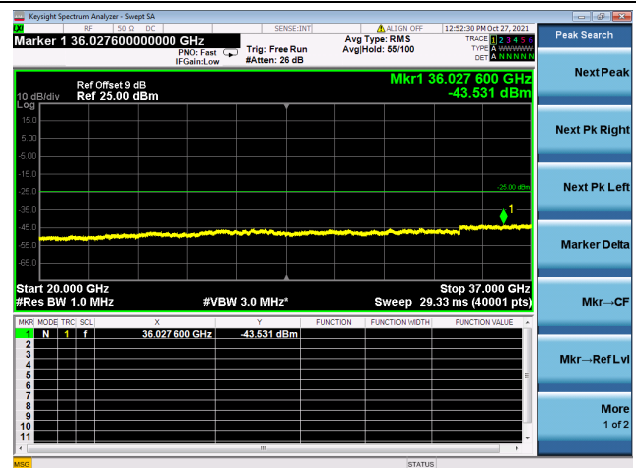
LOW CH/QPSK/1RB0 and 1RB99



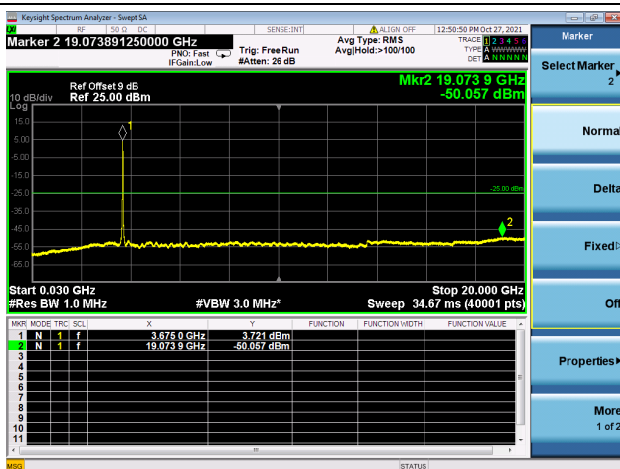
LOW CH/QPSK/1RB74 and 1RB0



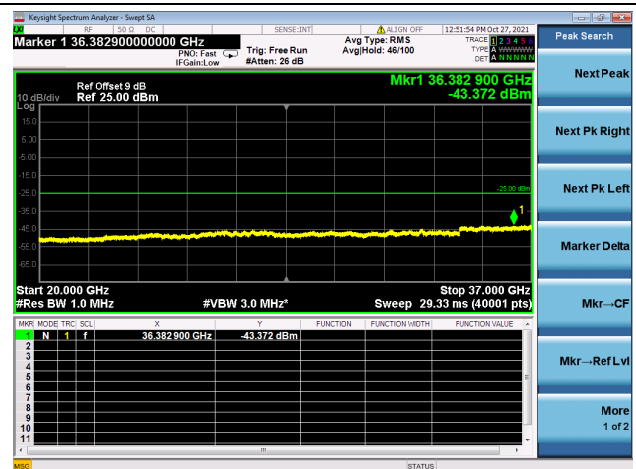
LOW CH/QPSK/1RB74 and 1RB0



LOW CH/QPSK/FULL RB

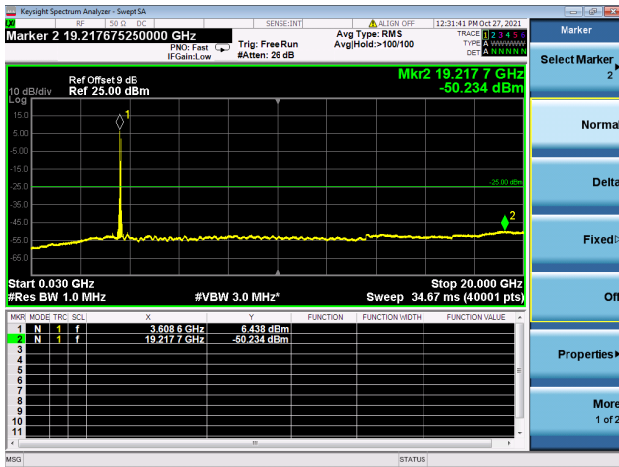


LOW CH/QPSK/FULL RB

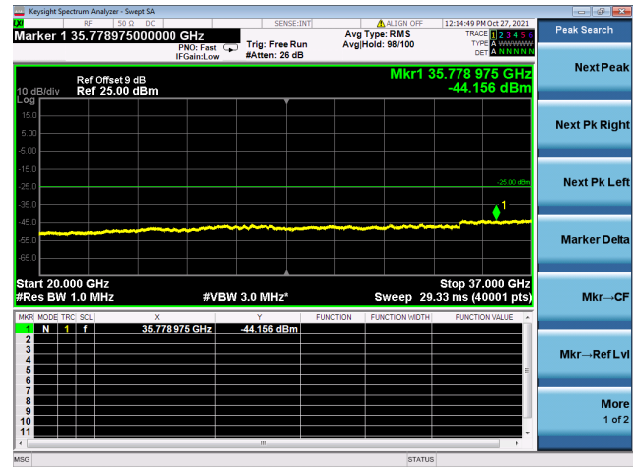




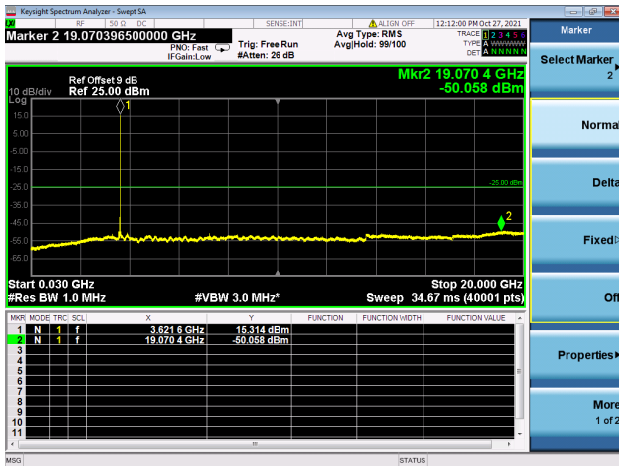
Mid CH/QPSK/1RB0 and 1RB99



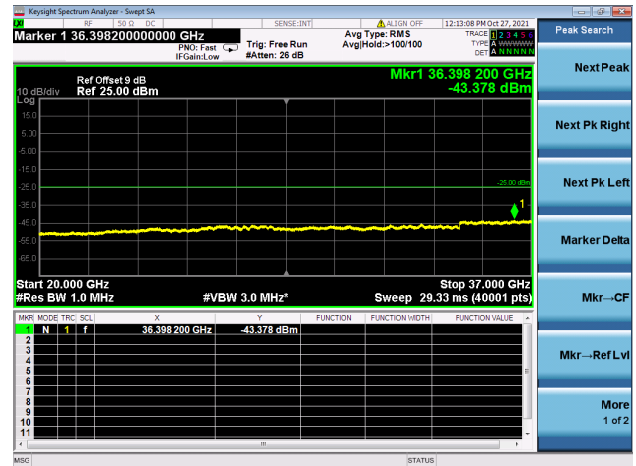
Mid CH/QPSK/1RB0 and 1RB99



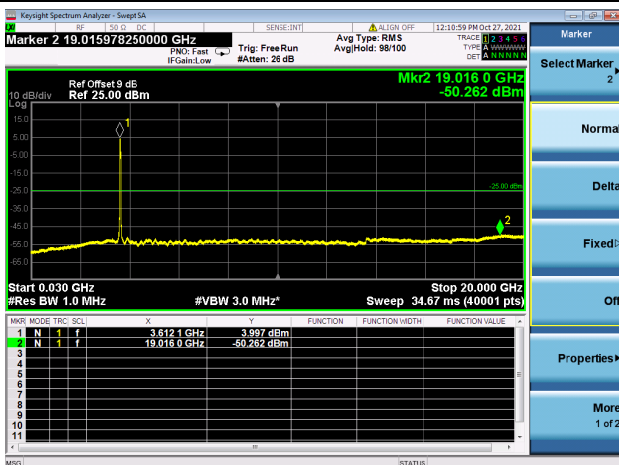
Mid CH/QPSK/1RB74 and 1RB0



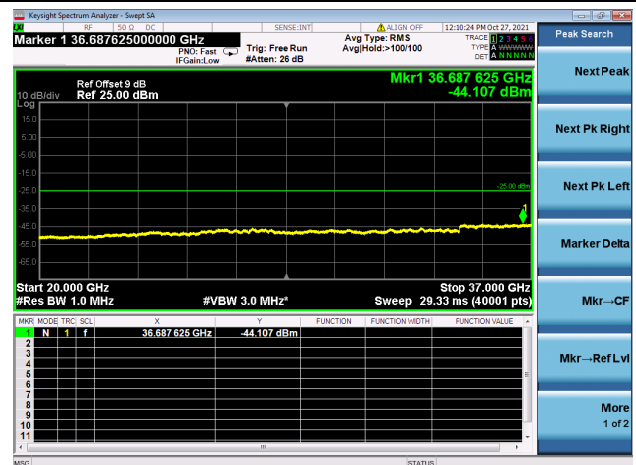
Mid CH/QPSK/1RB74 and 1RB0



Mid CH/QPSK/FULL RB

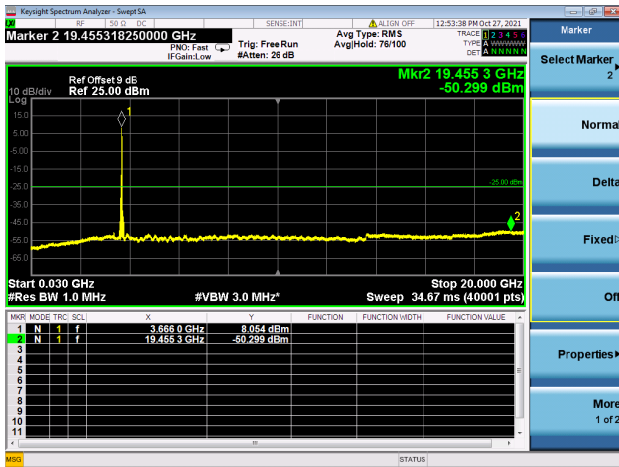


Mid CH/QPSK/FULL RB

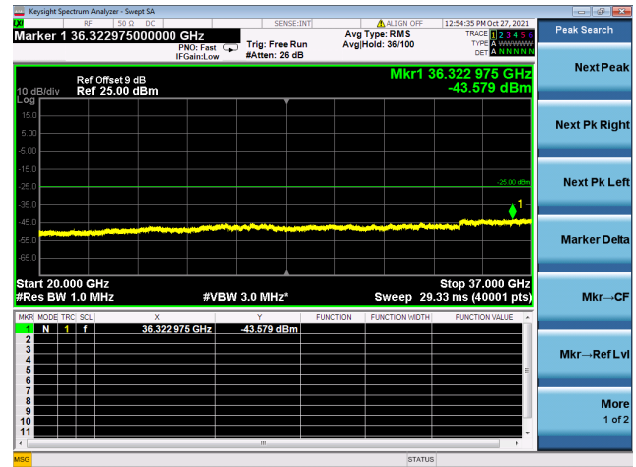




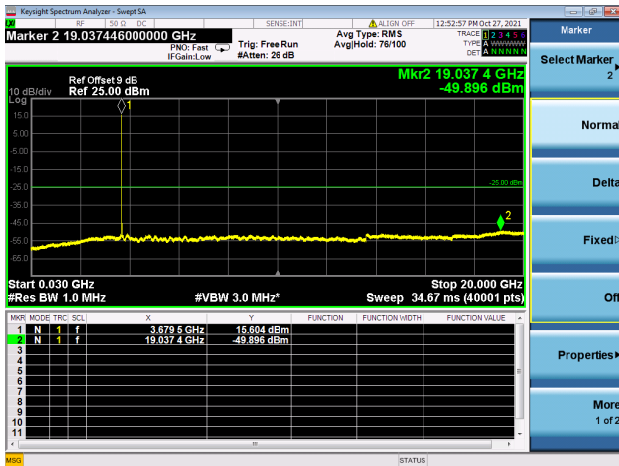
High CH/QPSK/1RB0 and 1RB99



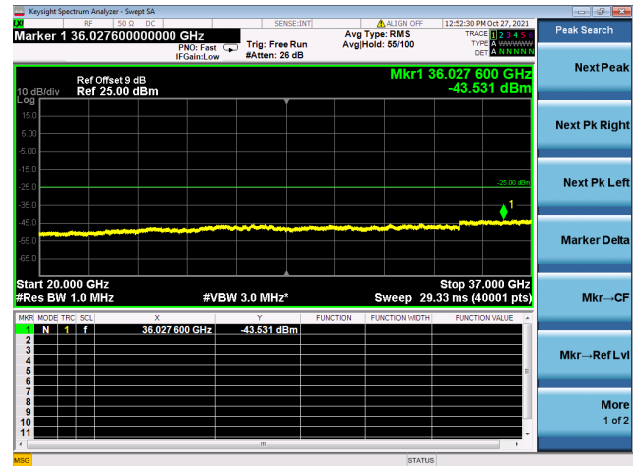
High CH/QPSK/1RB0 and 1RB99



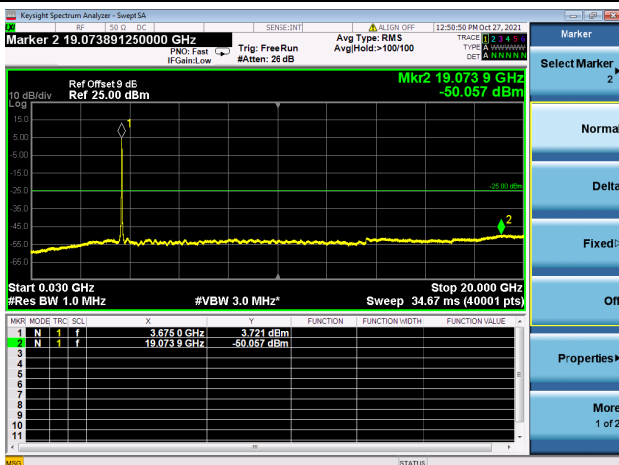
High CH/QPSK/1RB74 and 1RB0



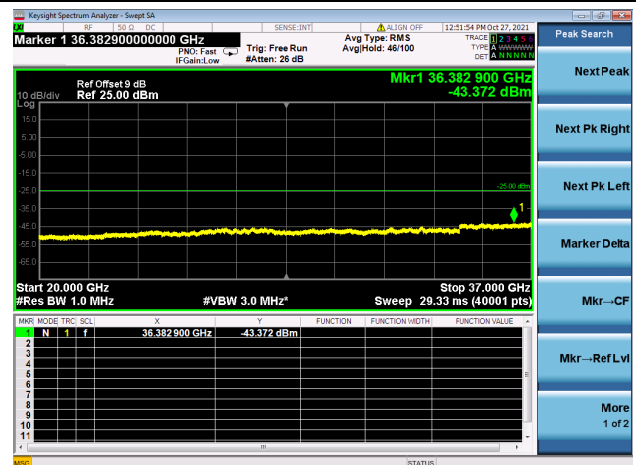
High CH/QPSK/1RB74 and 1RB0



High CH/QPSK/FULL RB



High CH/QPSK/FULL RB

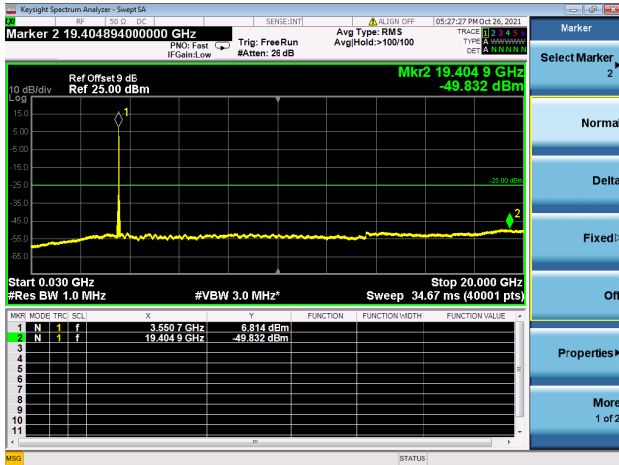




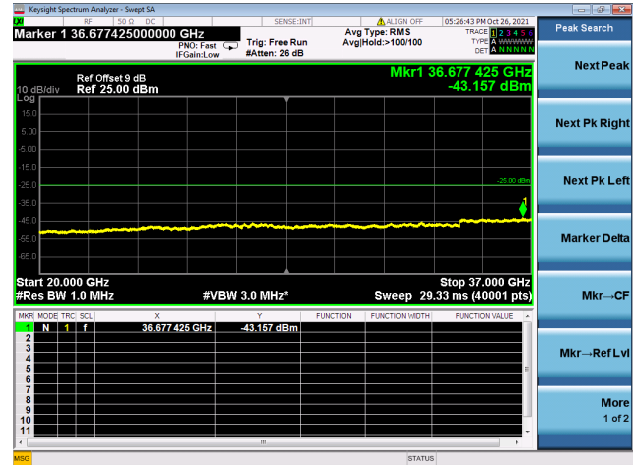
LTE Band 48C CSE

Channel Bandwidth: 20MHz+5MHz

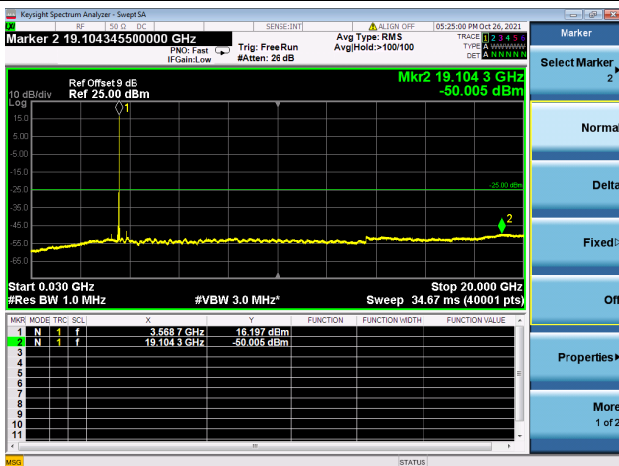
LOW CH/QPSK/1RB0 and 1RB24



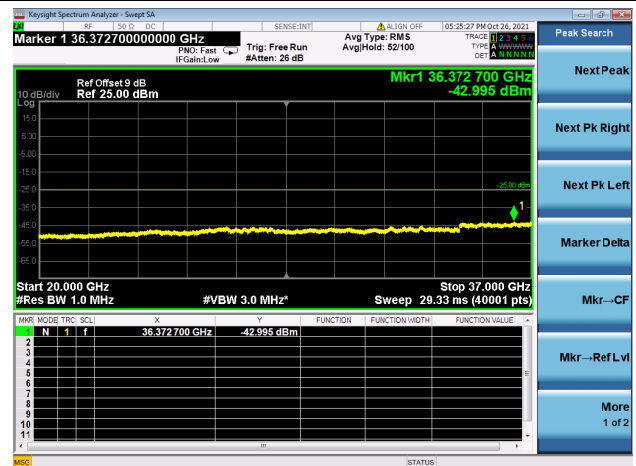
LOW CH/QPSK/1RB0 and 1RB24



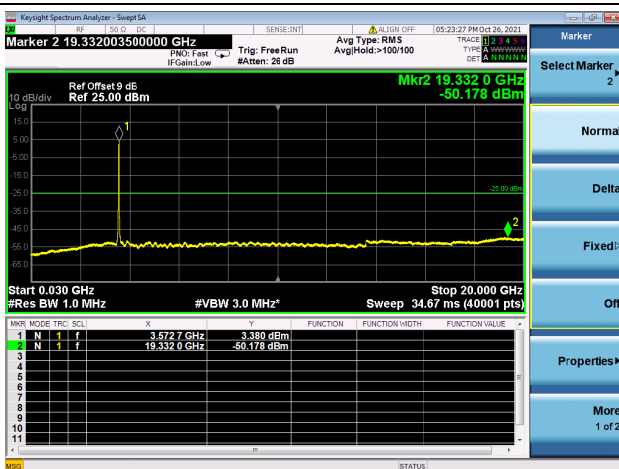
LOW CH/QPSK/1RB99 and 1RB0



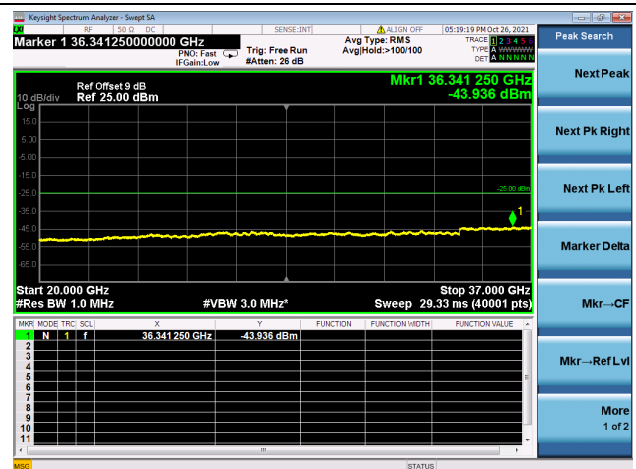
LOW CH/QPSK/1RB99 and 1RB0



LOW CH/QPSK/FULL RB

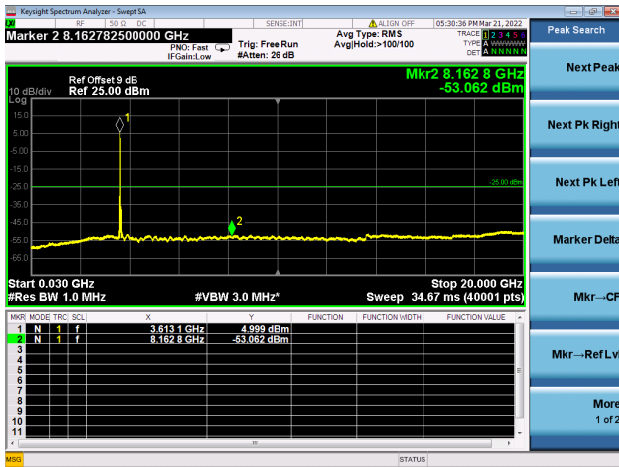


LOW CH/QPSK/FULL RB

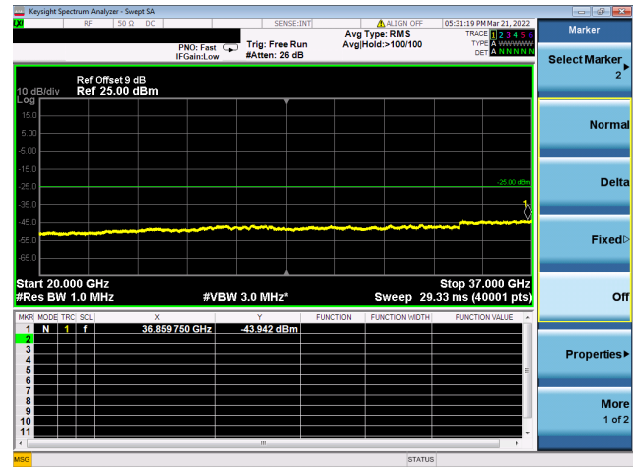




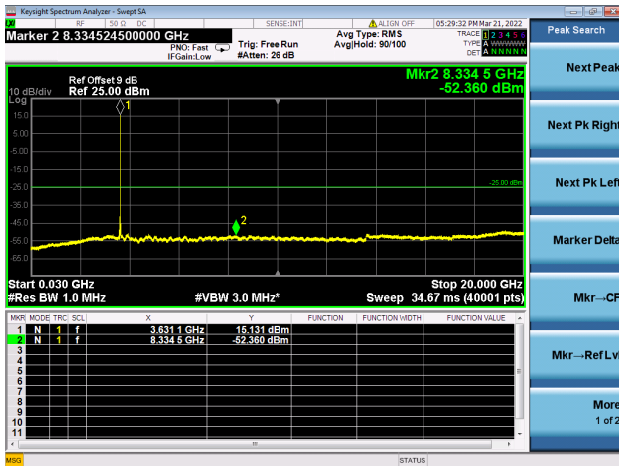
Mid CH/QPSK/1RB0 and 1RB24



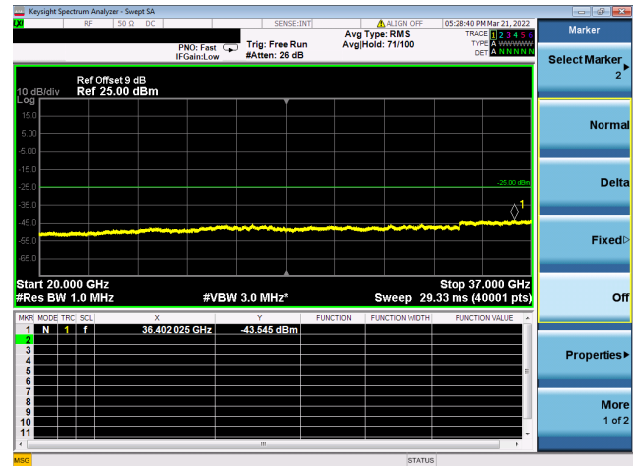
Mid CH/QPSK/1RB0 and 1RB24



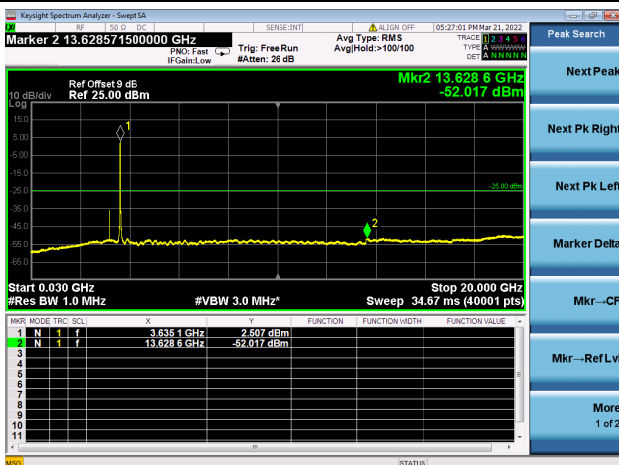
Mid CH/QPSK/1RB99 and 1RB0



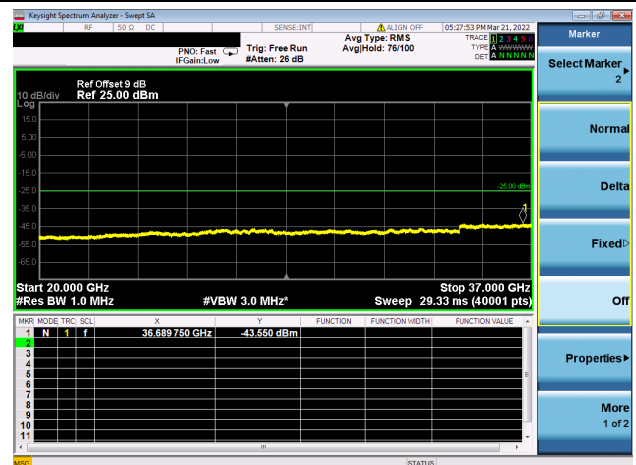
Mid CH/QPSK/1RB99 and 1RB0



Mid CH/QPSK/FULL RB

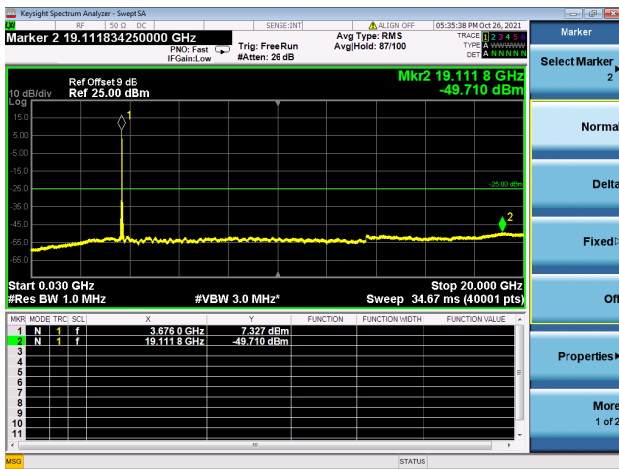


Mid CH/QPSK/FULL RB

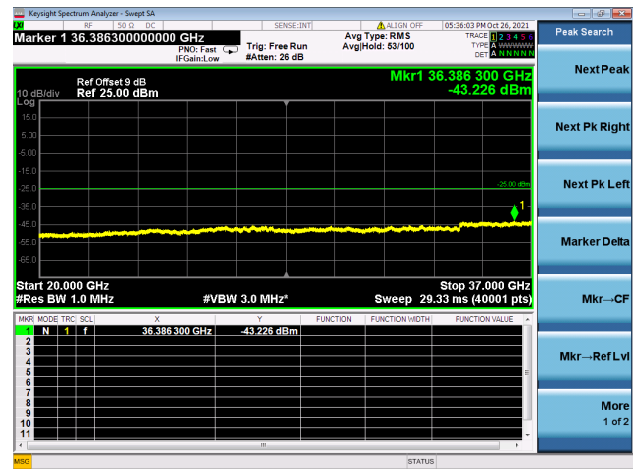




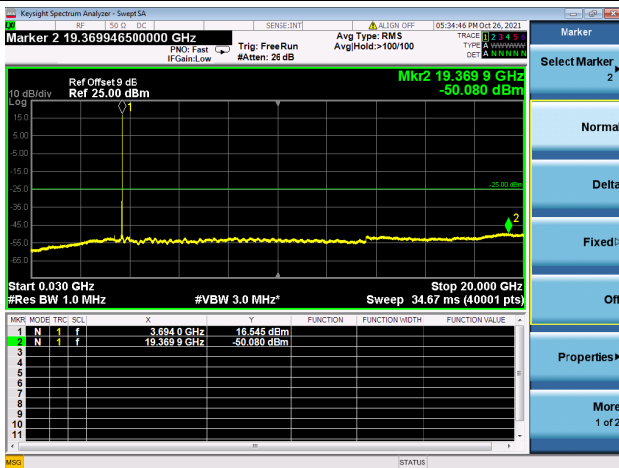
High CH/QPSK/1RB0 and 1RB24



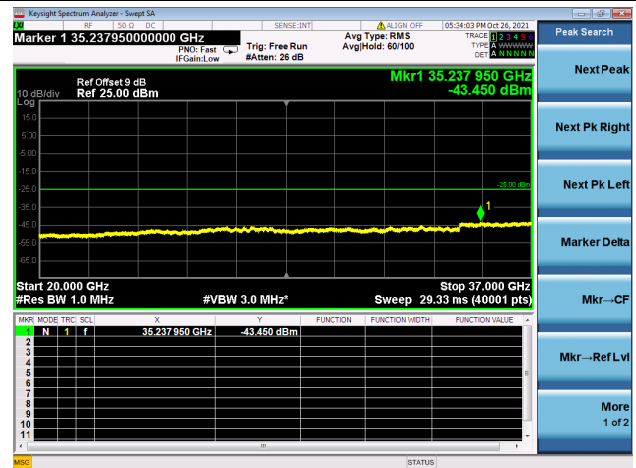
High CH/QPSK/1RB0 and 1RB24



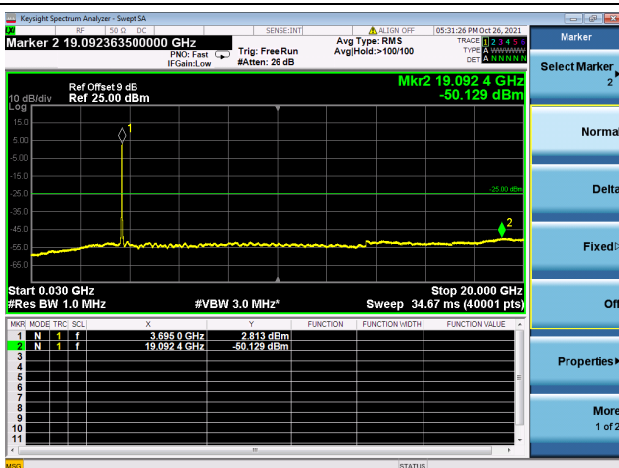
High CH/QPSK/1RB99 and 1RB0



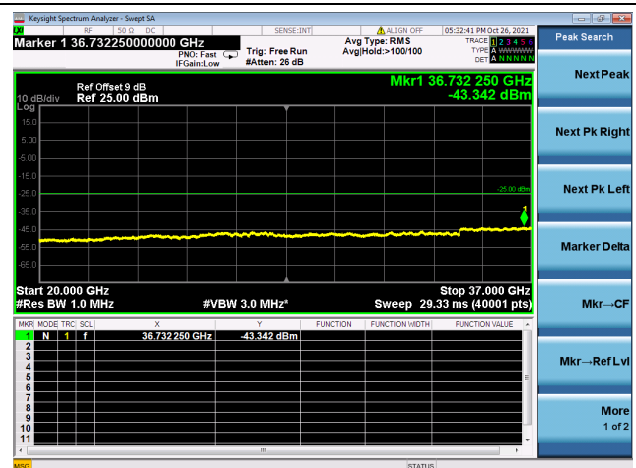
High CH/QPSK/1RB99 and 1RB0



High CH/QPSK/FULL RB



High CH/QPSK/FULL RB

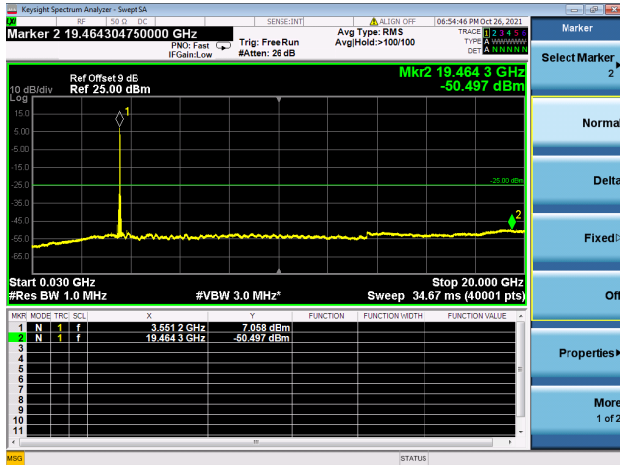




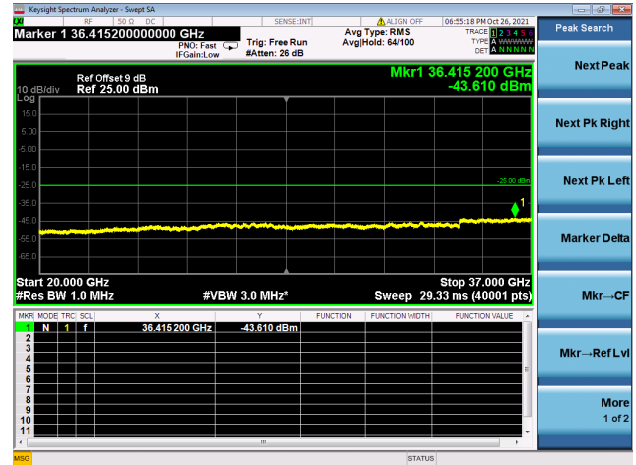
LTE Band 48C CSE

Channel Bandwidth: 20MHz+10MHz

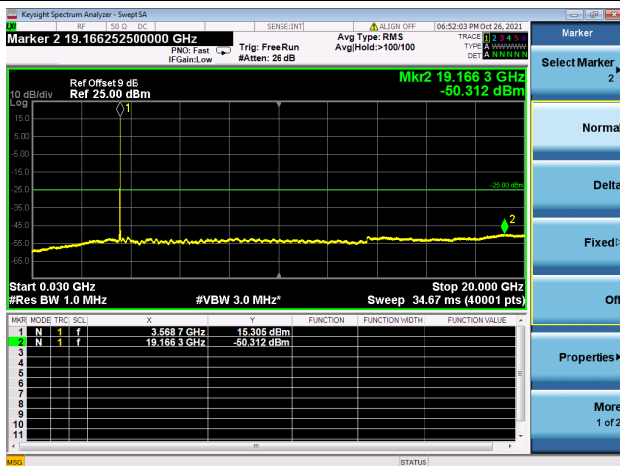
LOW CH/QPSK/1RB0 and 1RB49



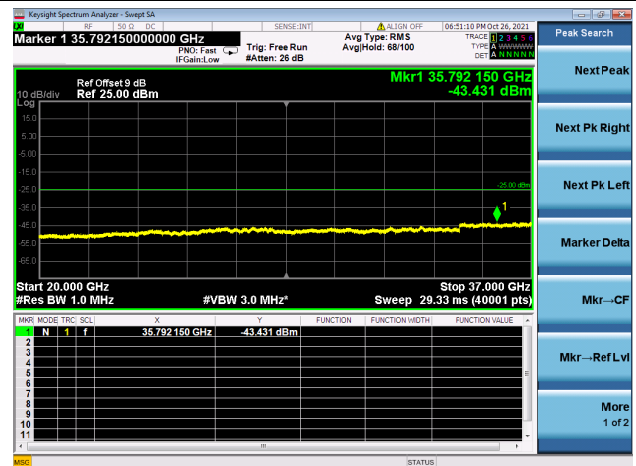
LOW CH/QPSK/1RB0 and 1RB49



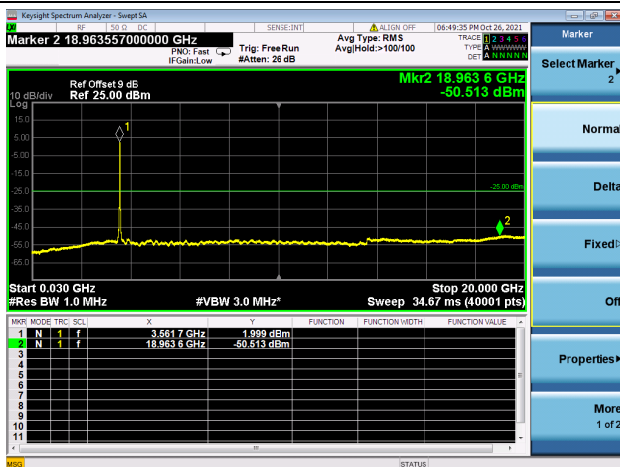
LOW CH/QPSK/1RB99 and 1RB0



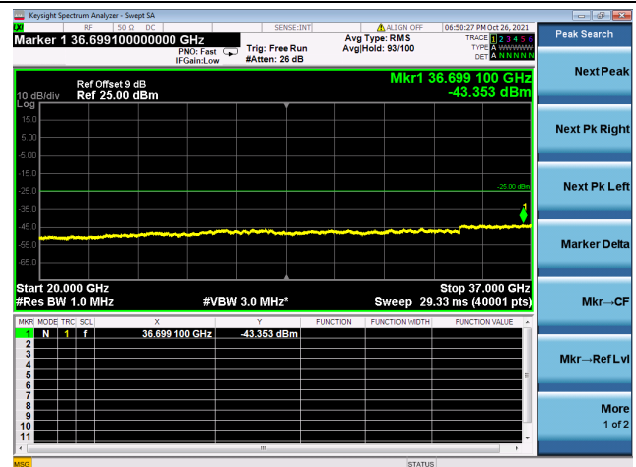
LOW CH/QPSK/1RB99 and 1RB0



LOW CH/QPSK/FULL RB

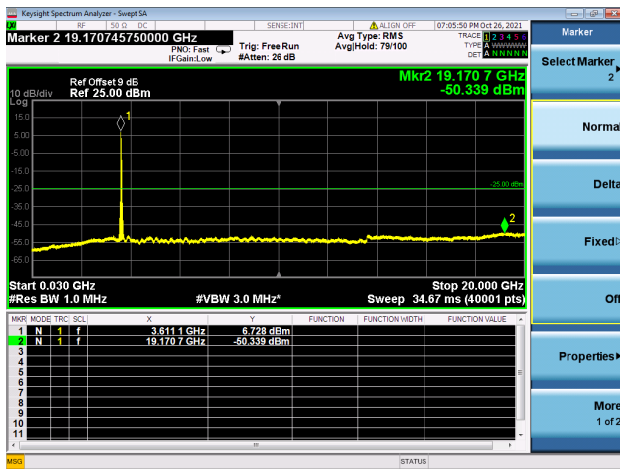


LOW CH/QPSK/FULL RB

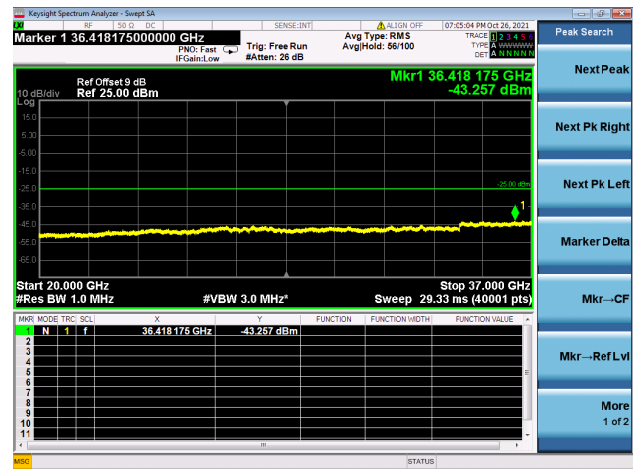




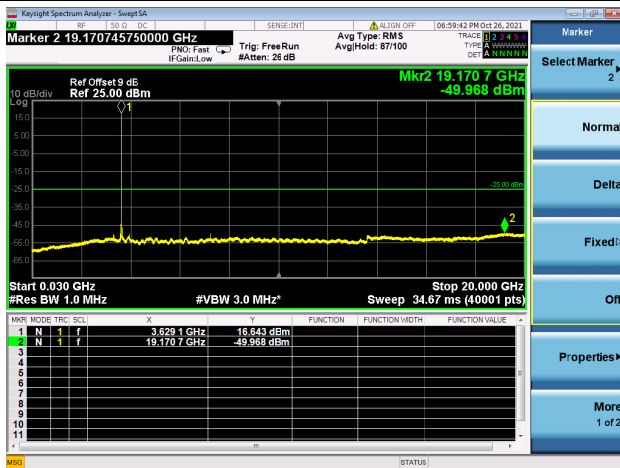
Mid CH/QPSK/1RB0 and 1RB49



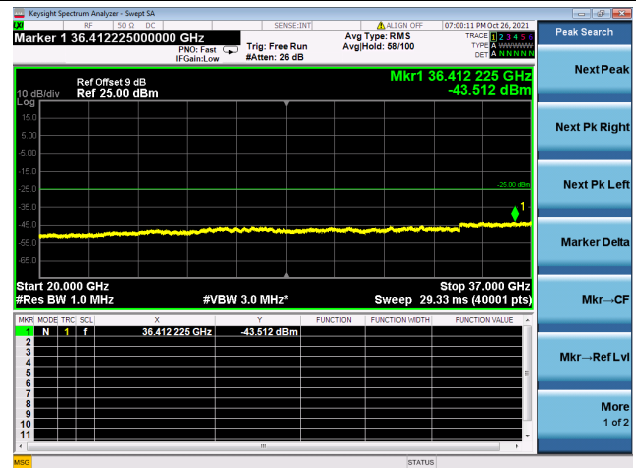
Mid CH/QPSK/1RB0 and 1RB49



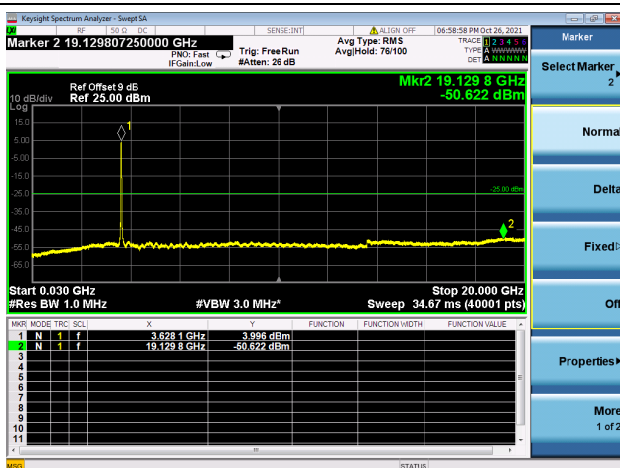
Mid CH/QPSK/1RB99 and 1RB0



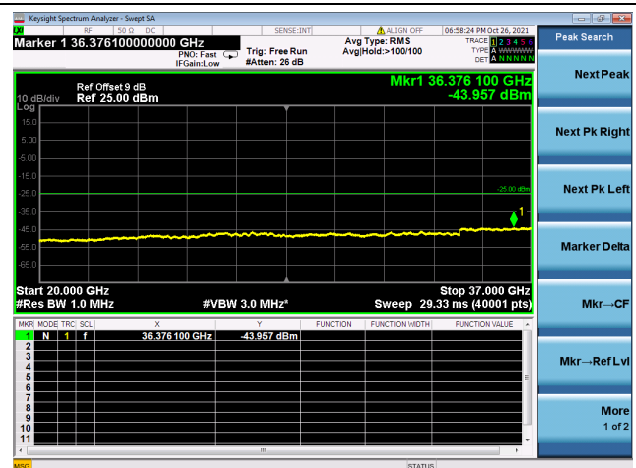
Mid CH/QPSK/1RB99 and 1RB0



Mid CH/QPSK/FULL RB

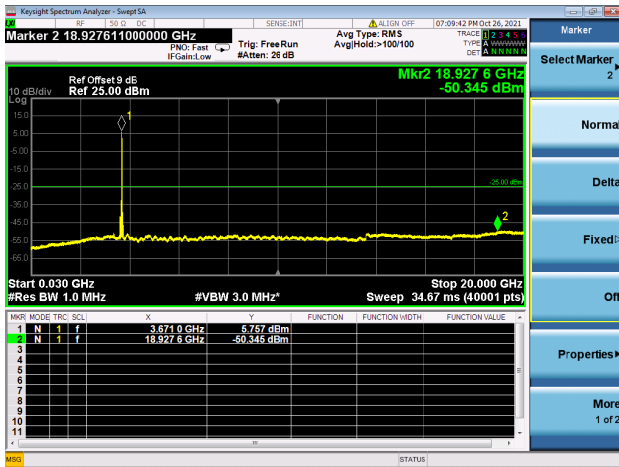


Mid CH/QPSK/FULL RB

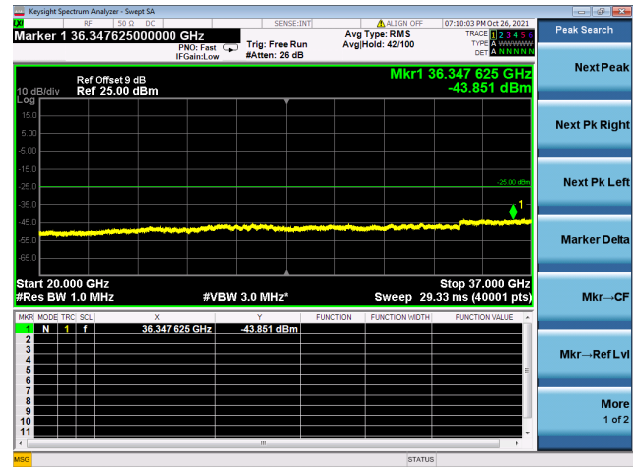




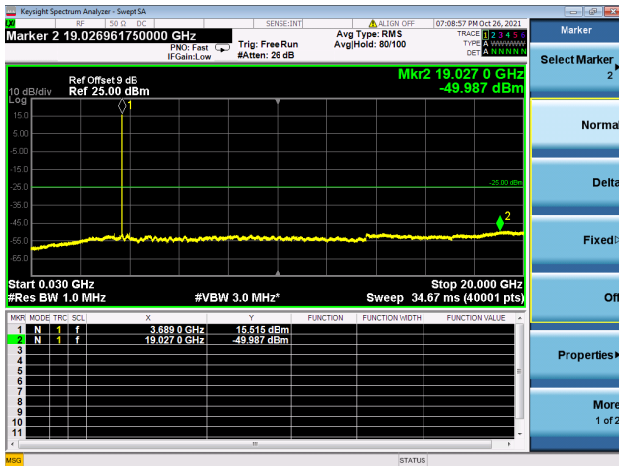
High CH/QPSK/1RB0 and 1RB49



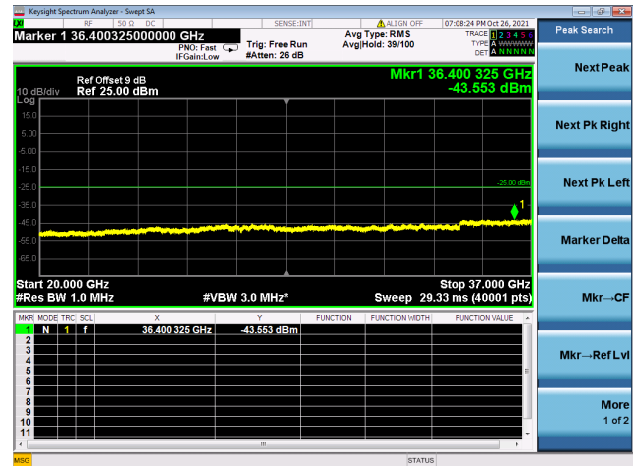
High CH/QPSK/1RB0 and 1RB49



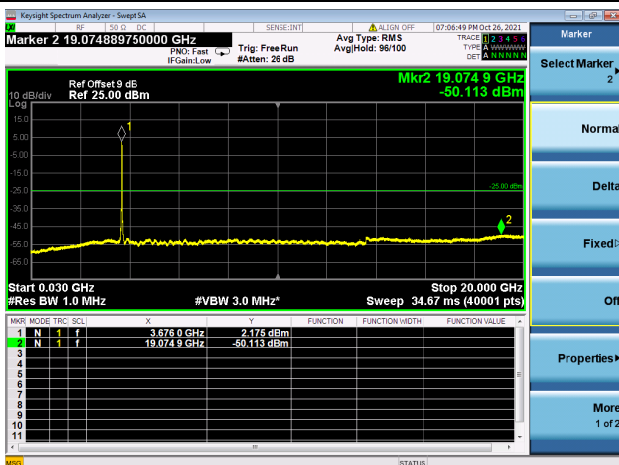
High CH/QPSK/1RB99 and 1RB0



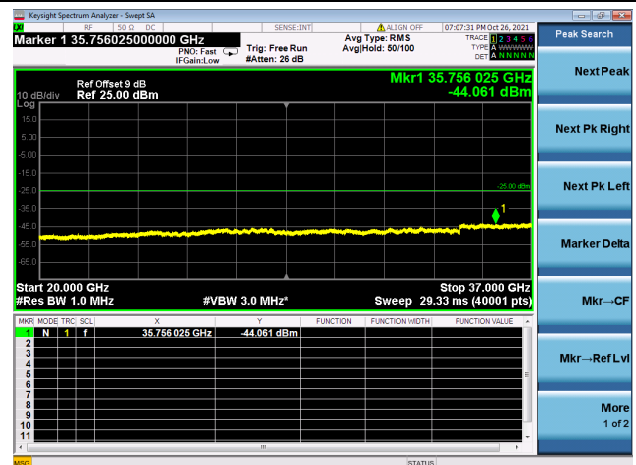
High CH/QPSK/1RB99 and 1RB0



High CH/QPSK/FULL RB



High CH/QPSK/FULL RB



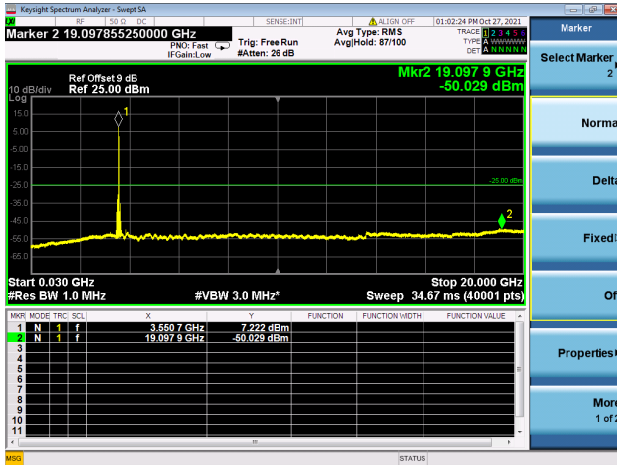


REPORT No.: SZ22030249W01

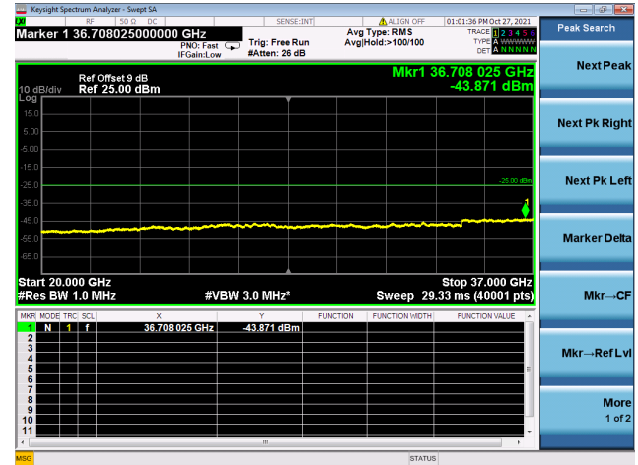
LTE Band 48C CSE

Channel Bandwidth: 20MHz+15MHz

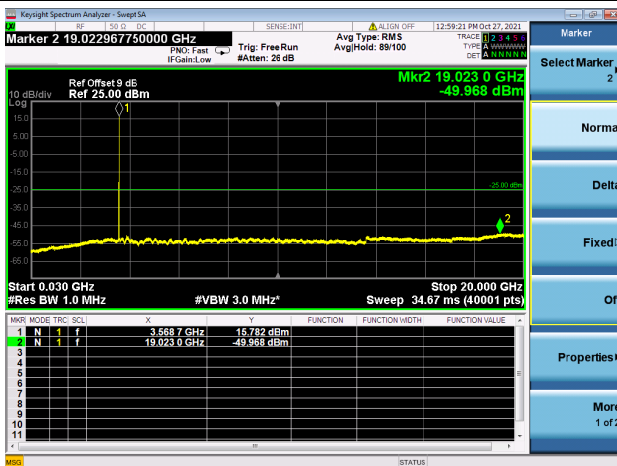
LOW CH/QPSK/1RB0 and 1RB74



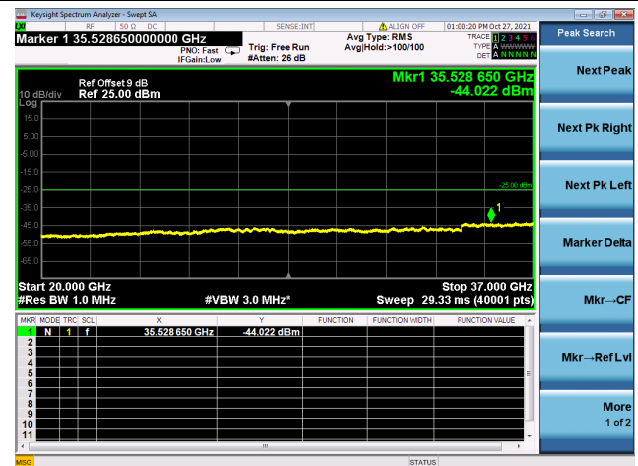
LOW CH/QPSK/1RB0 and 1RB74



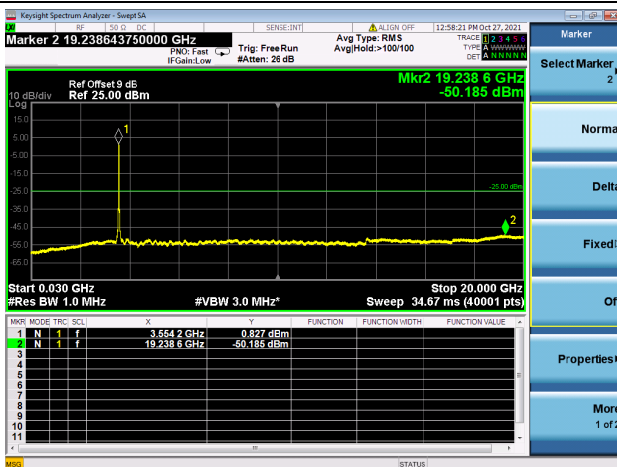
LOW CH/QPSK/1RB99 and 1RB0



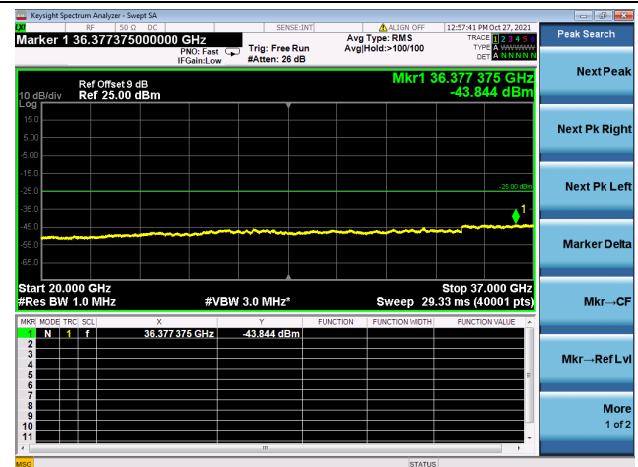
LOW CH/QPSK/1RB99 and 1RB0



LOW CH/QPSK/FULL RB

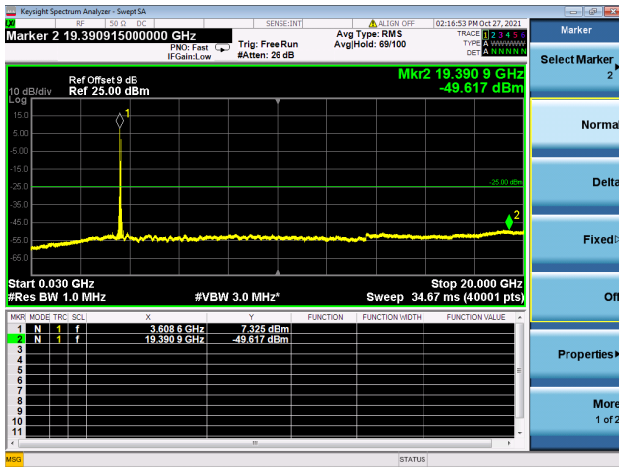


LOW CH/QPSK/FULL RB

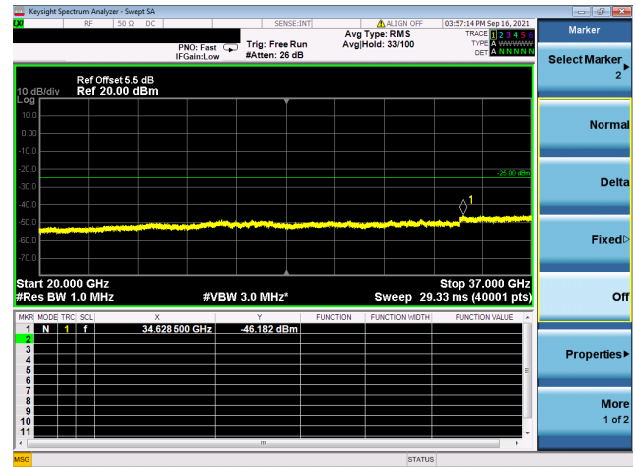




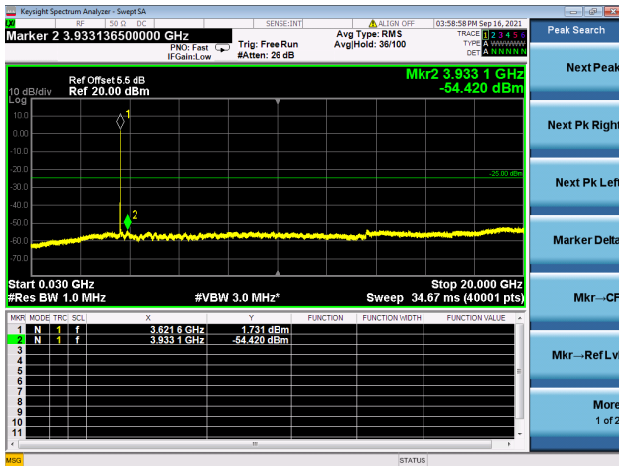
Mid CH/QPSK/1RB0 and 1RB74



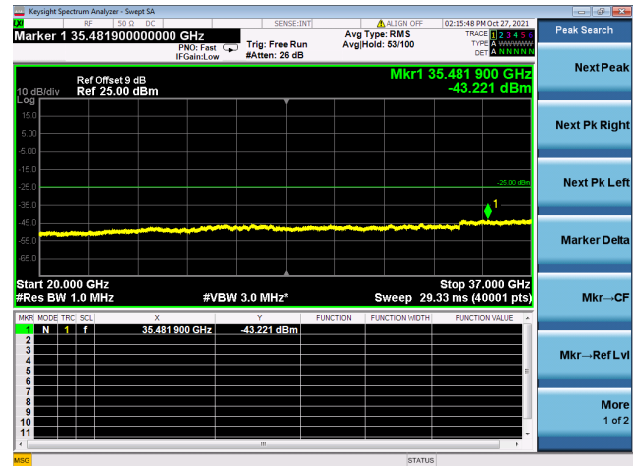
Mid CH/QPSK/1RB0 and 1RB74



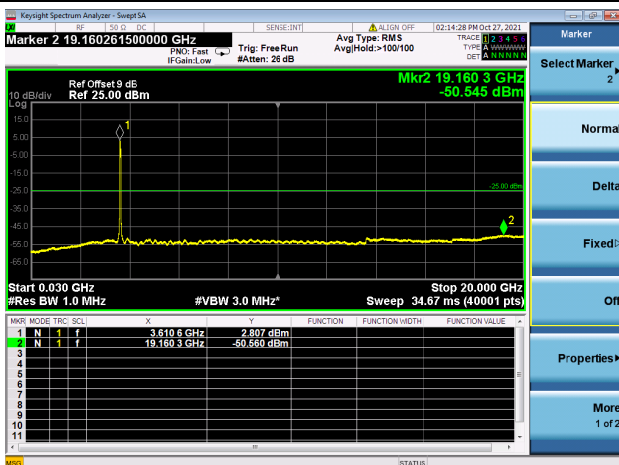
Mid CH/QPSK/1RB99 and 1RB0



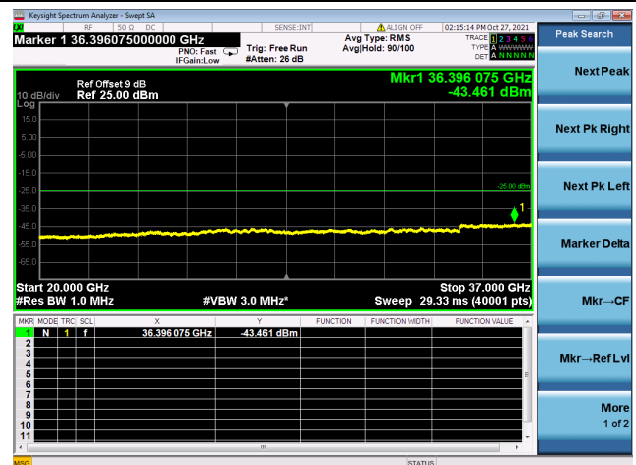
Mid CH/QPSK/1RB99 and 1RB0



Mid CH/QPSK/FULL RB

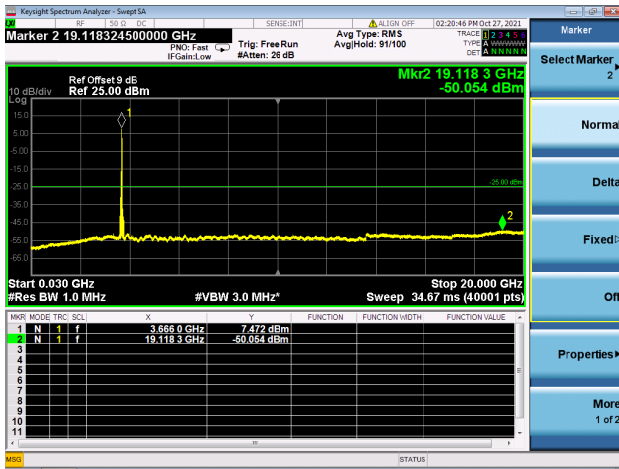


Mid CH/QPSK/FULL RB

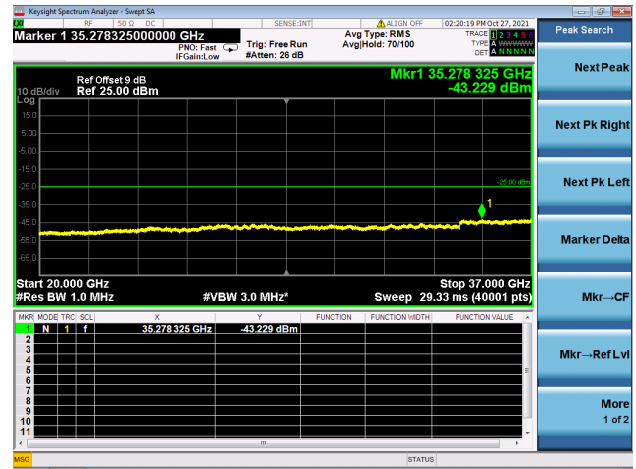




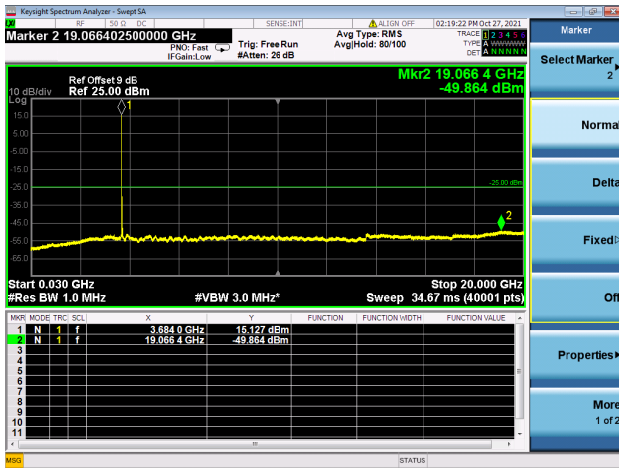
High CH/QPSK/1RB0 and 1RB74



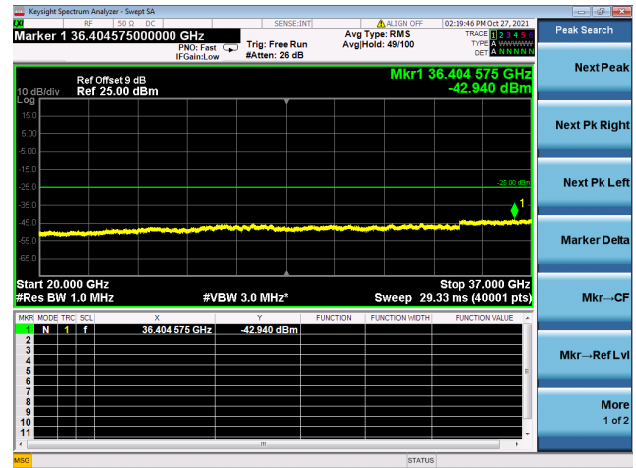
High CH/QPSK/1RB0 and 1RB74



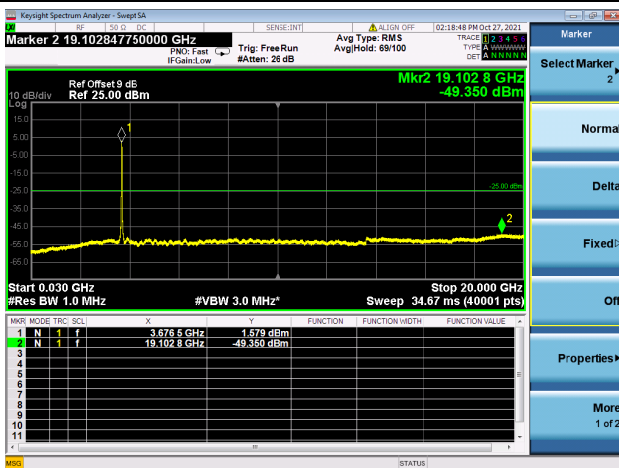
High CH/QPSK/1RB9 and 1RB0



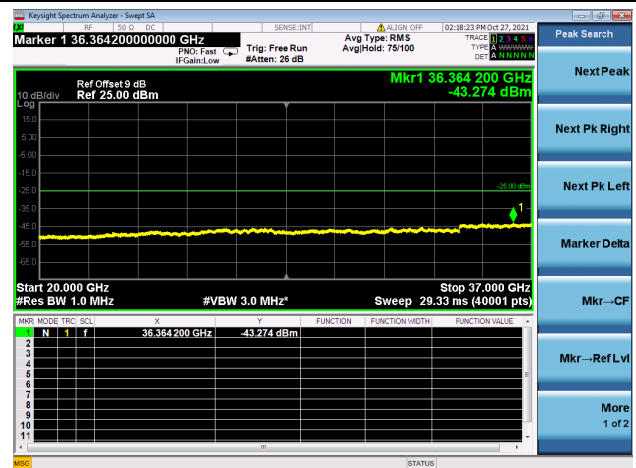
High CH/QPSK/1RB99 and 1RB0



High CH/QPSK/FULL RB



High CH/QPSK/FULL RB

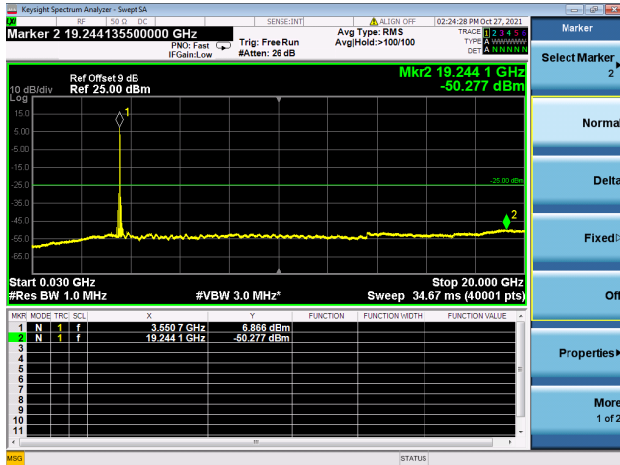




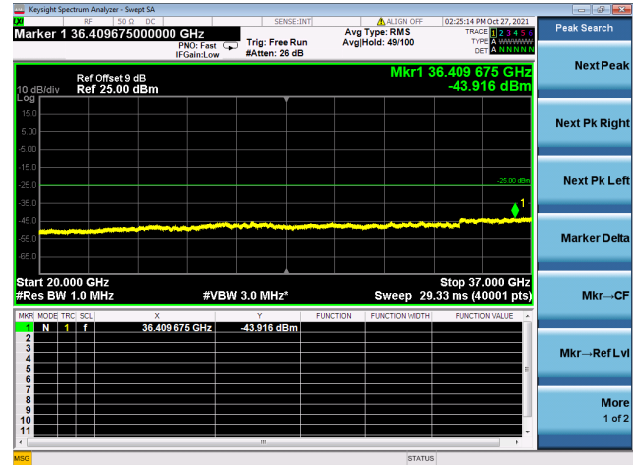
LTE Band 48C CSE

Channel Bandwidth: 20MHz+20MHz

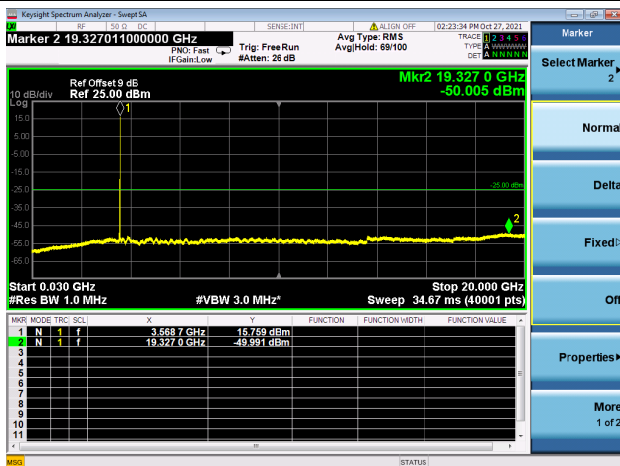
LOW CH/QPSK/1RB0 and 1RB99



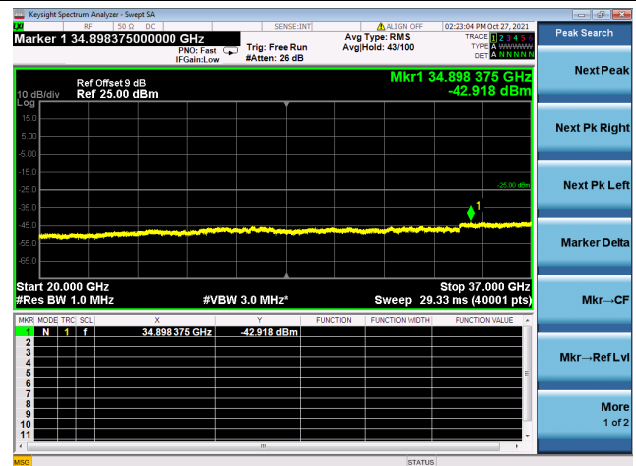
LOW CH/QPSK/1RB0 and 1RB99



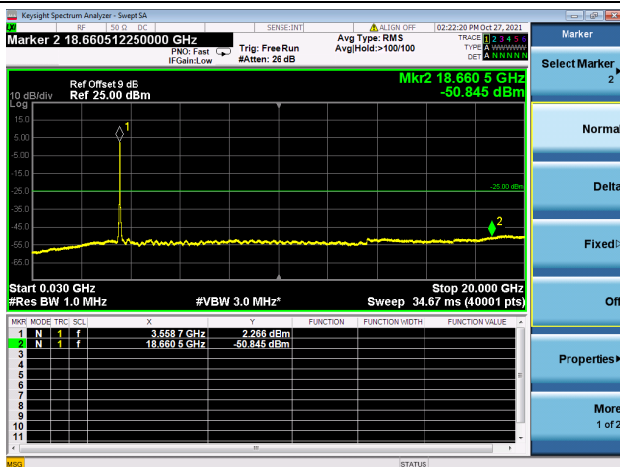
LOW CH/QPSK/1RB99 and 1RB0



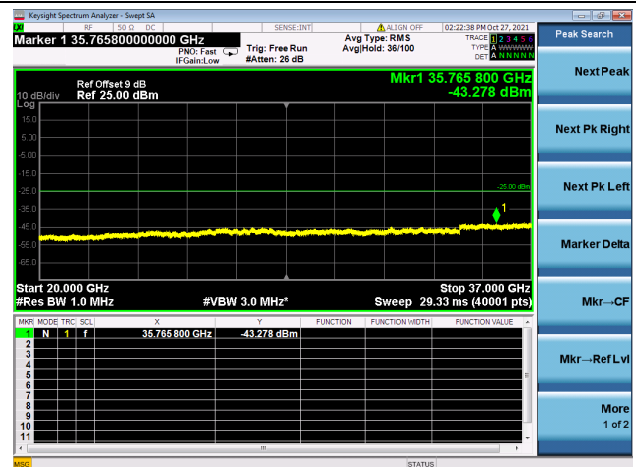
LOW CH/QPSK/1RB99 and 1RB0



LOW CH/QPSK/FULL RB

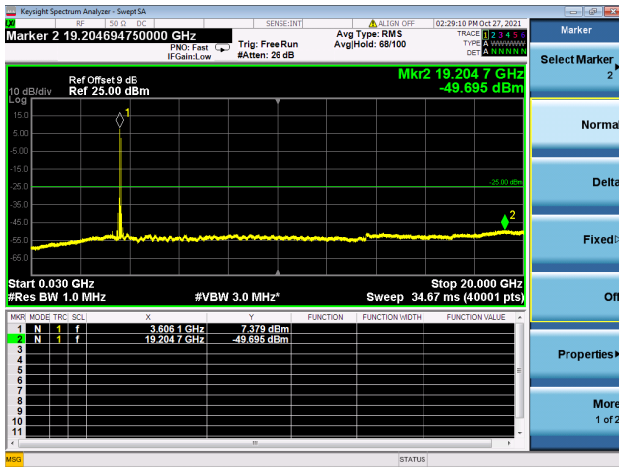


LOW CH/QPSK/FULL RB

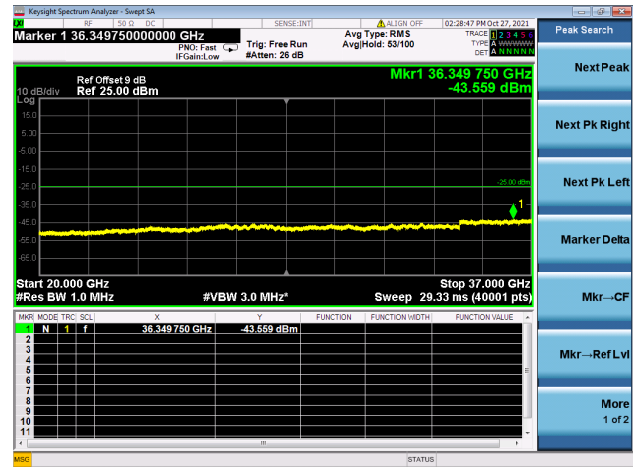




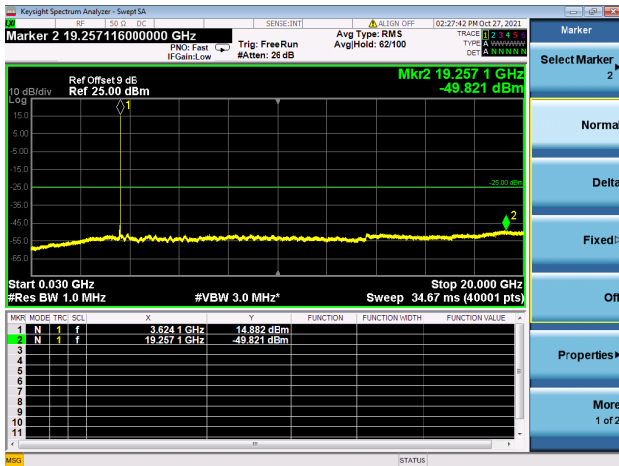
Mid CH/QPSK/1RB0 and 1RB99



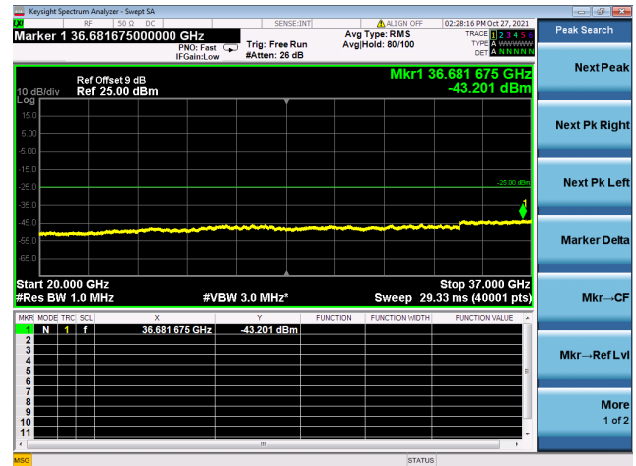
Mid CH/QPSK/1RB0 and 1RB99



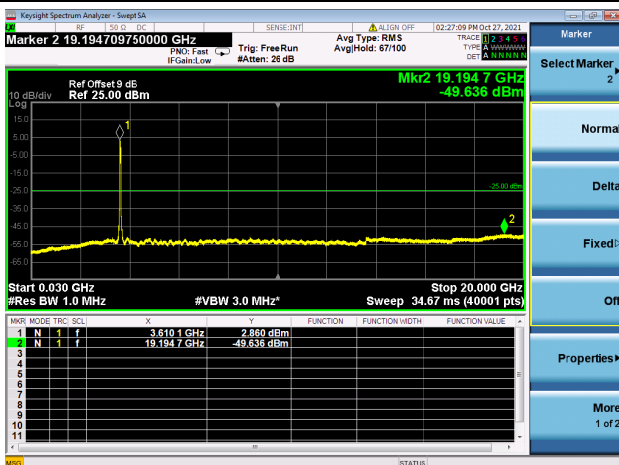
Mid CH/QPSK/1RB99 and 1RB0



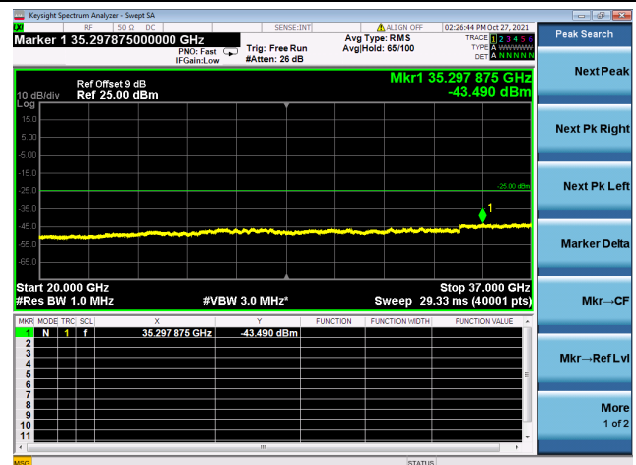
Mid CH/QPSK/1RB99 and 1RB0



Mid CH/QPSK/FULL RB

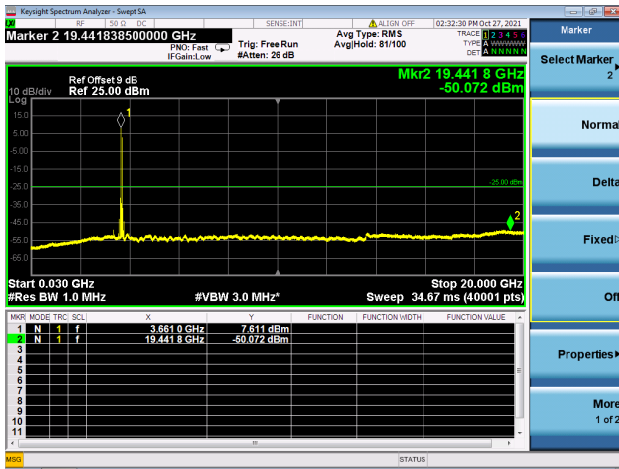


Mid CH/QPSK/FULL RB

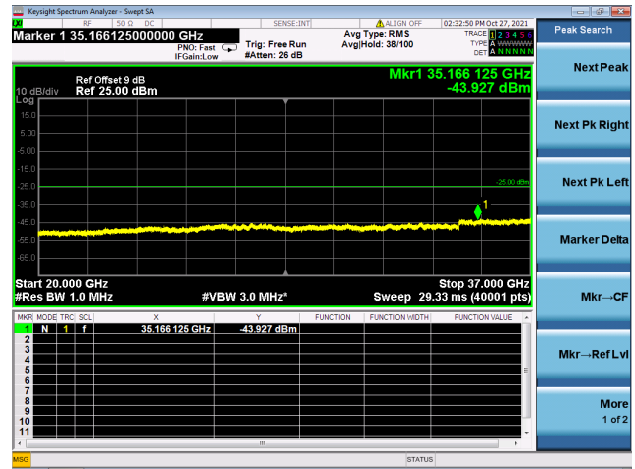




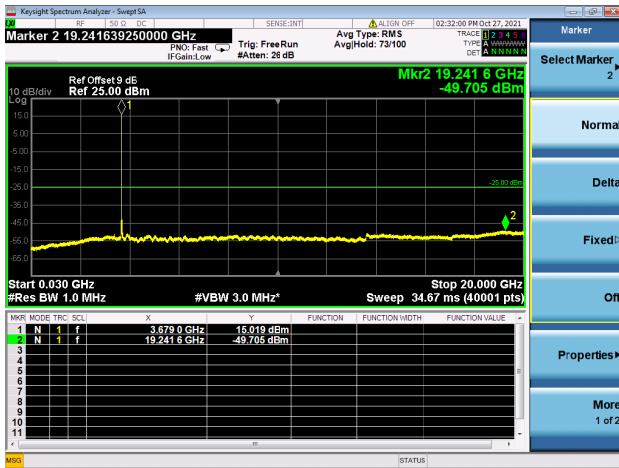
High CH/QPSK/1RB0 and 1RB99



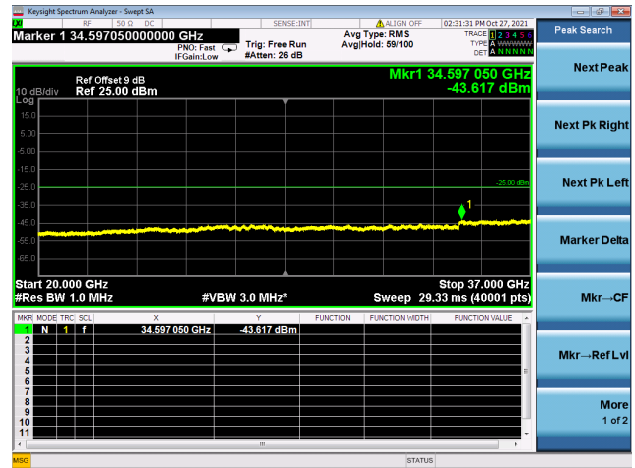
High CH/QPSK/1RB0 and 1RB99



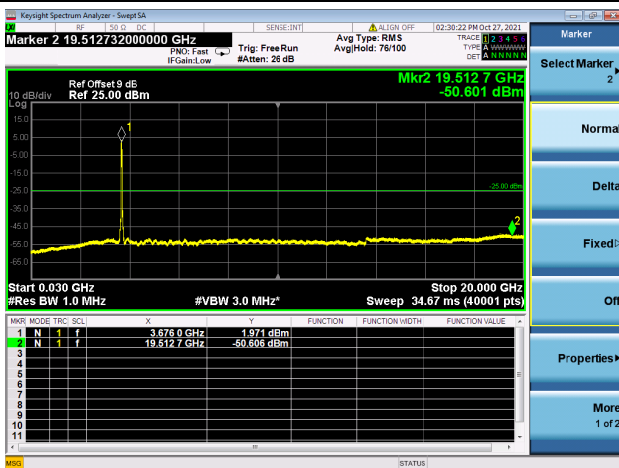
High CH/QPSK/1RB99 and 1RB0



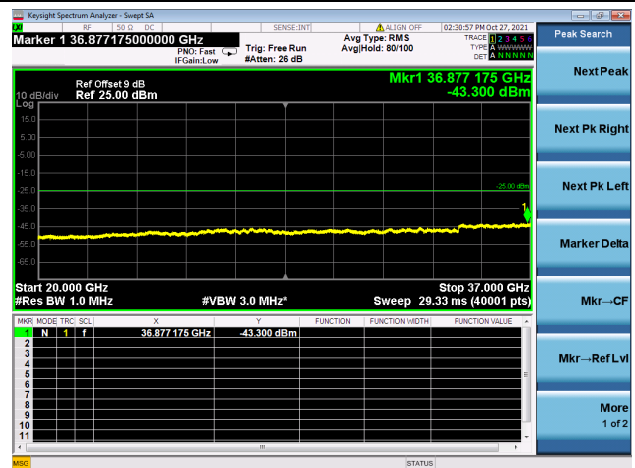
High CH/QPSK/1RB99 and 1RB0



High CH/QPSK/FULL RB



High CH/QPSK/FULL RB



2.4. Band Edge

2.4.1. Requirement

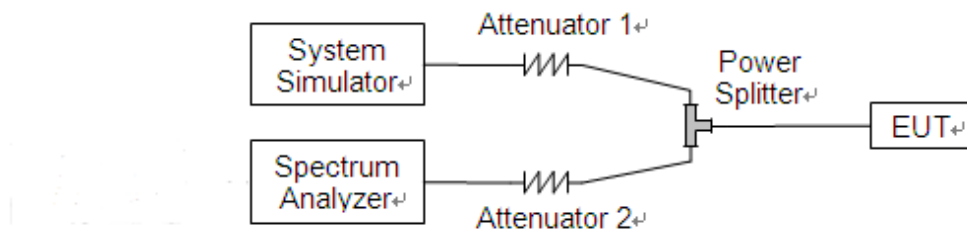
According to FCC section 2.1051, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

According to FCC section 27.53(m) (4), for mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

According to FCC section 96.41(e), for channel and frequency assignments made by the SAS to CBSDs, the conducted power of any CBSD emission outside the fundamental emission bandwidth of this section (whether the emission is inside or outside of the authorized band) shall not exceed -13 dBm/MHz within 0-10 megahertz above the upper SAS-assigned channel edge and within 0-10 megahertz below the lower SAS-assigned channel edge. At all frequencies greater than 10 megahertz above the upper SAS assigned channel edge and less than 10 MHz below the lower SAS assigned channel edge, the conducted power of any CBSD emission shall not exceed -25 dBm/MHz.

The conducted power of emissions below 3540 MHz or above 3710 MHz shall not exceed -25 dBm/MHz, and the conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz.

2.4.2. 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.

2.4.3. Test procedure

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

2.4.4. Test Result

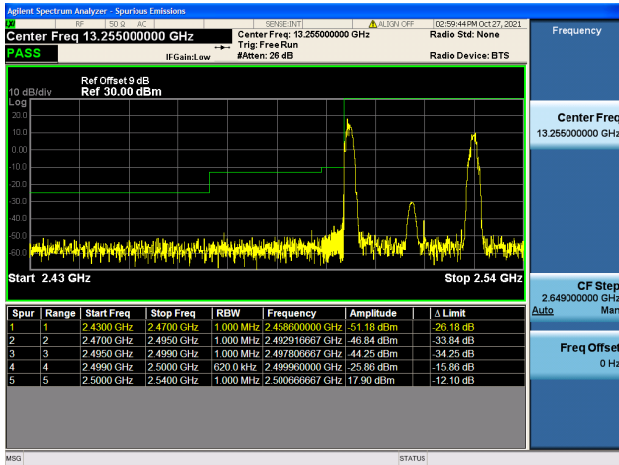
The center frequency of spectrum is the band edge frequency and span is 2MHz, Record the max trace into the test report.



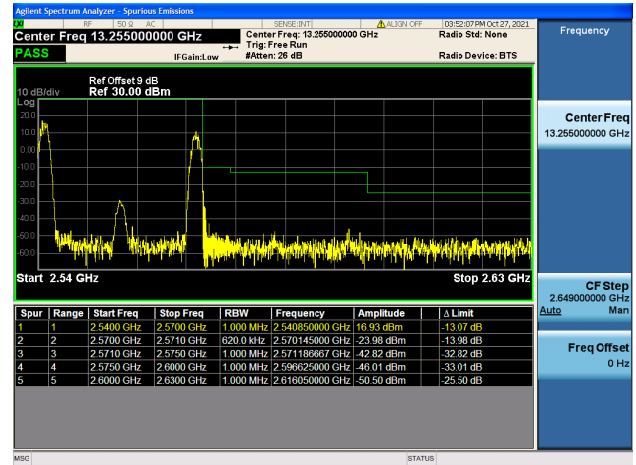
LTE CA_7C

Channel Bandwidth: 10MHz+20MHz

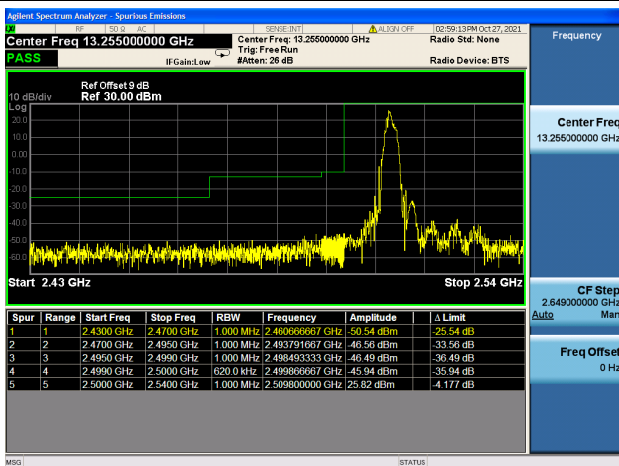
Low 1RB0 and 1RB99



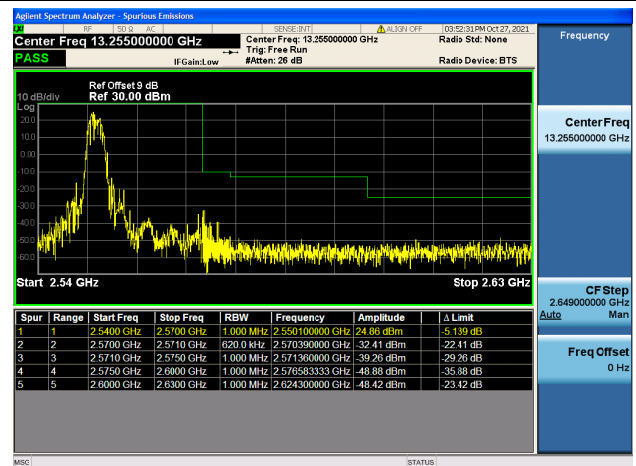
High 1RB0 and 1RB99



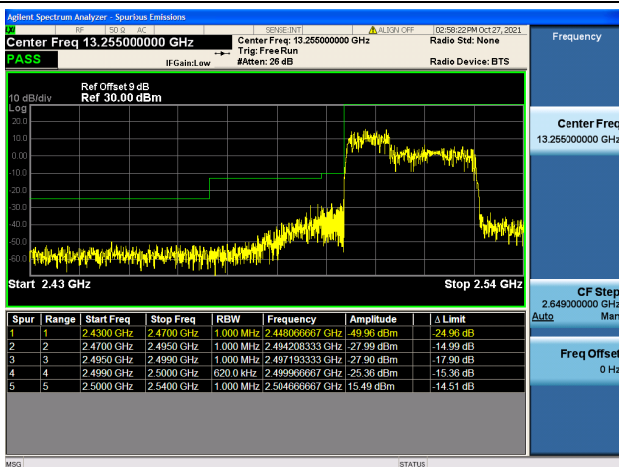
Low 1RB49 and 1RB0



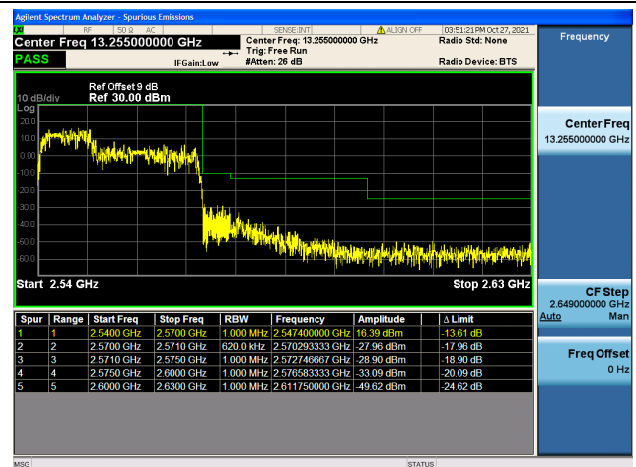
High 1RB49 and 1RB0



Low FULL RB



High FULL RB

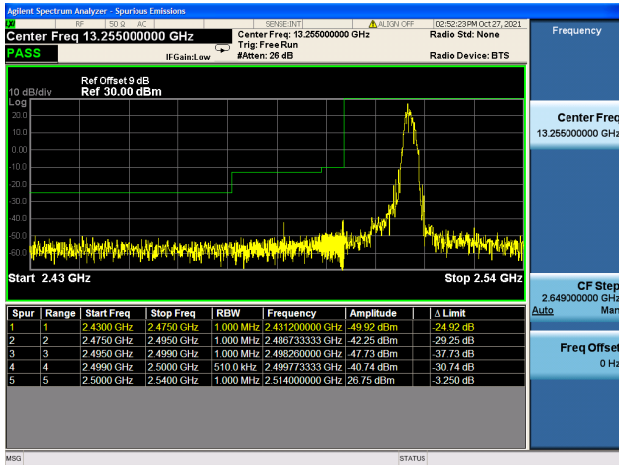




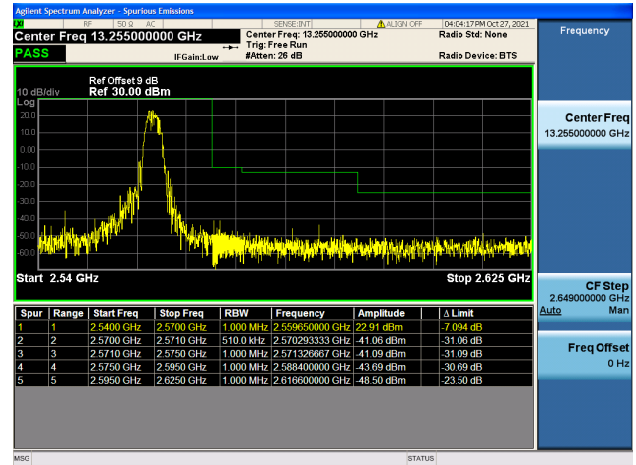
LTE CA_7C

Channel Bandwidth: 15MHz+10MHz

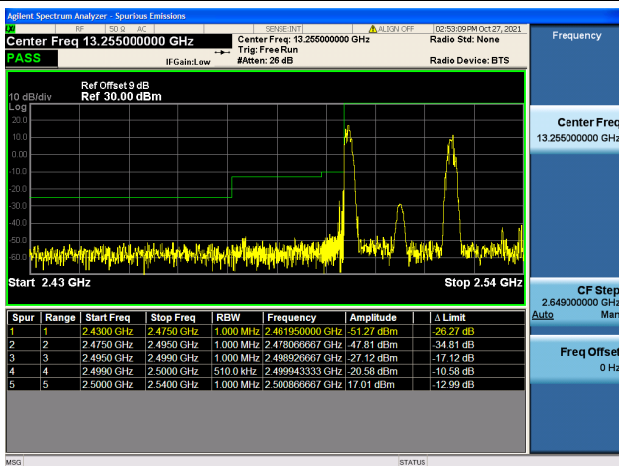
Low 1RB74 and 1RB0



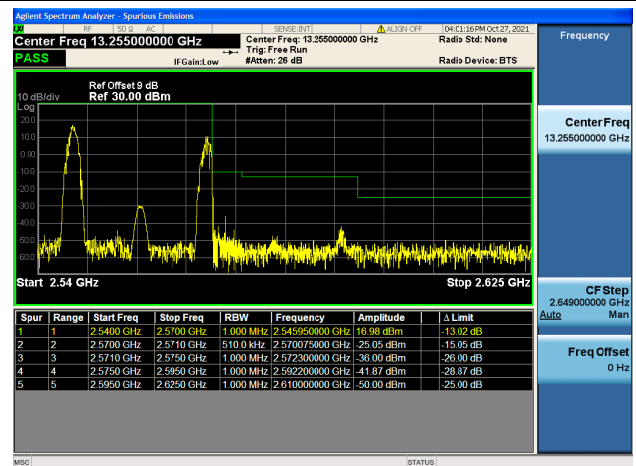
High 1RB74 and 1RB0



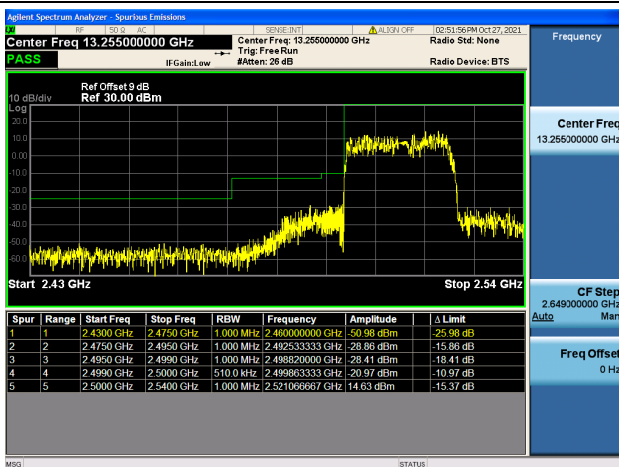
Low 1RB0 and 1RB49



High 1RB0 and 1RB49



Low FULL RB



High FULL RB

