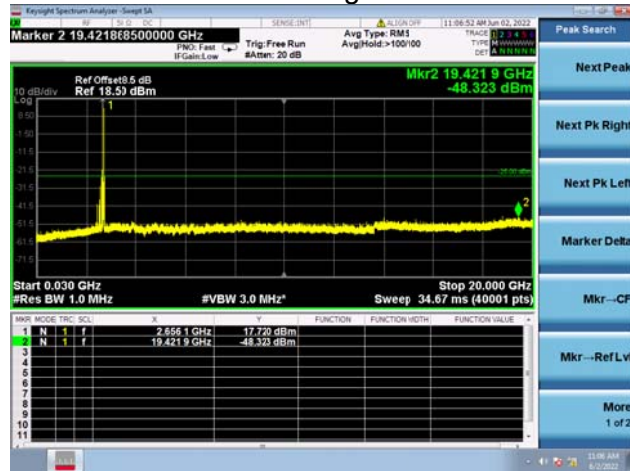
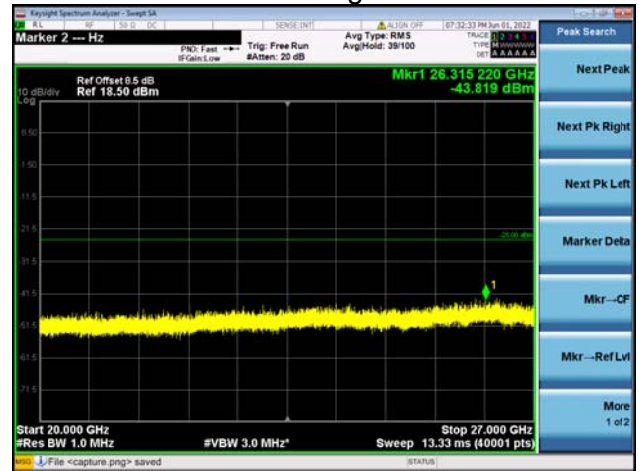




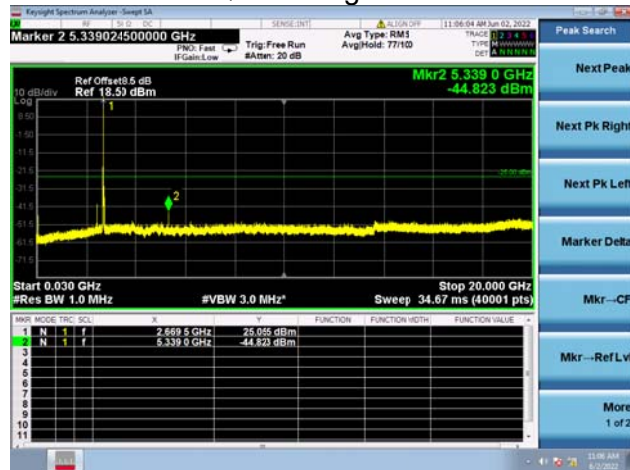
B41-30M-20G / 15MHz+20MHz /1RB+1RB/  
QPSK / High CH



B41-20G-27G / 15MHz+20MHz /1RB+1RB/  
QPSK / High CH



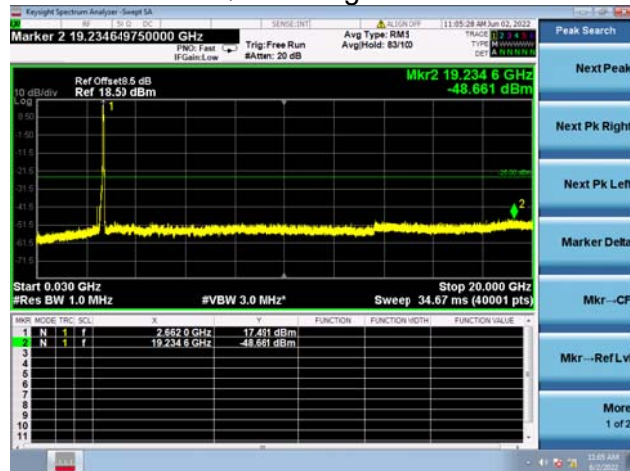
B41-30M-20G / 15MHz+20MHz /1RB+1RB/  
QPSK / High CH



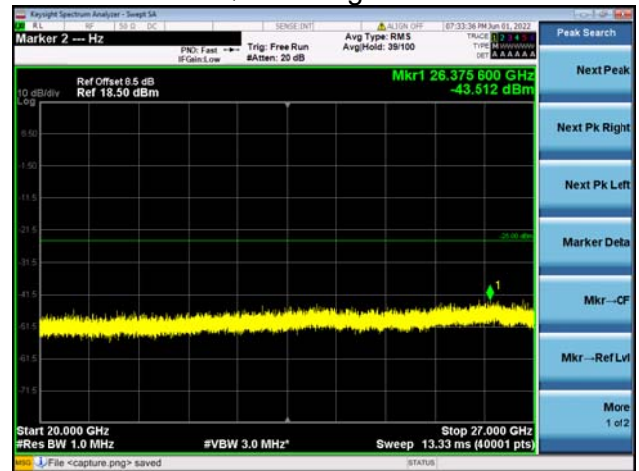
B41-20G-27G / 15MHz+20MHz /1RB+1RB/  
QPSK / High CH



B41-30M-20G / 15MHz+20MHz /75RB+100RB/  
QPSK / High CH

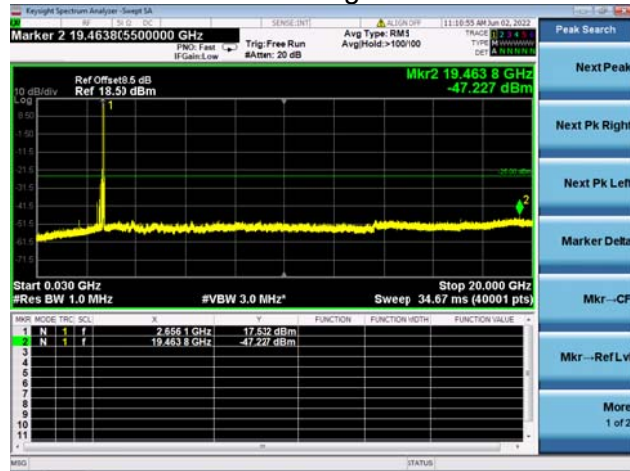


B41-20G-27G / 15MHz+20MHz /75RB+100RB/  
QPSK / High CH

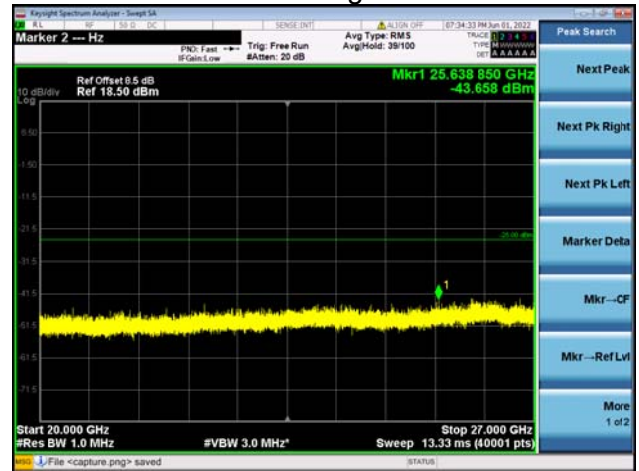




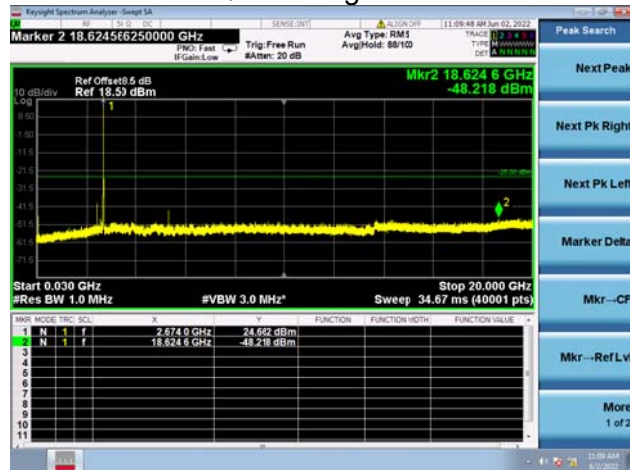
B41-30M-20G / 20MHz+15MHz /1RB+1RB/  
QPSK / High CH



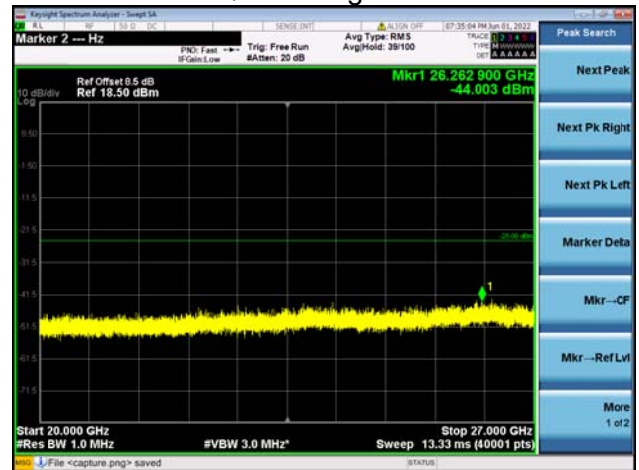
B41-20G-27G / 20MHz+15MHz /1RB+1RB/  
QPSK / High CH



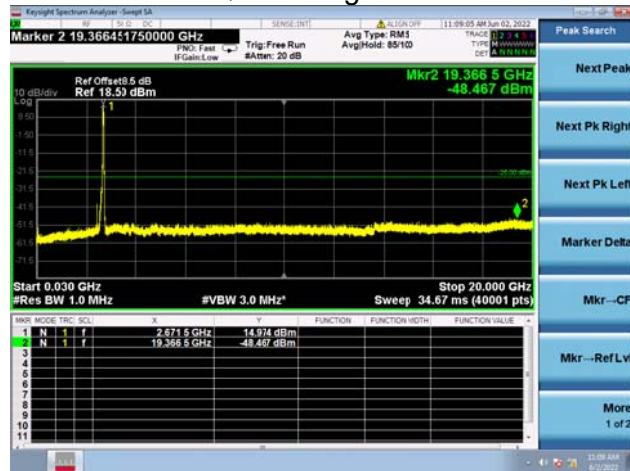
B41-30M-20G / 20MHz+15MHz /1RB+1RB/  
QPSK / High CH



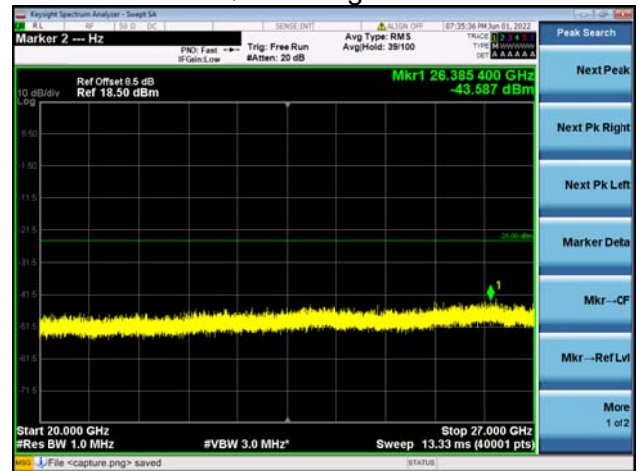
B41-20G-27G / 20MHz+15MHz /1RB+1RB/  
QPSK / High CH



B41-30M-20G / 20MHz+15MHz /100RB+75RB/  
QPSK / High CH

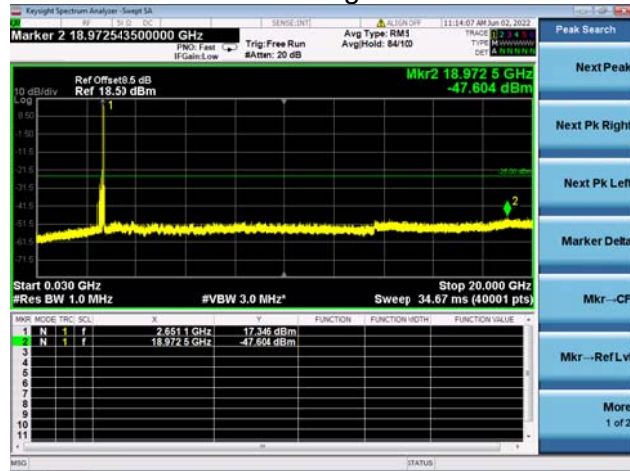


B41-20G-27G / 20MHz+15MHz /100RB+75RB/  
QPSK / High CH

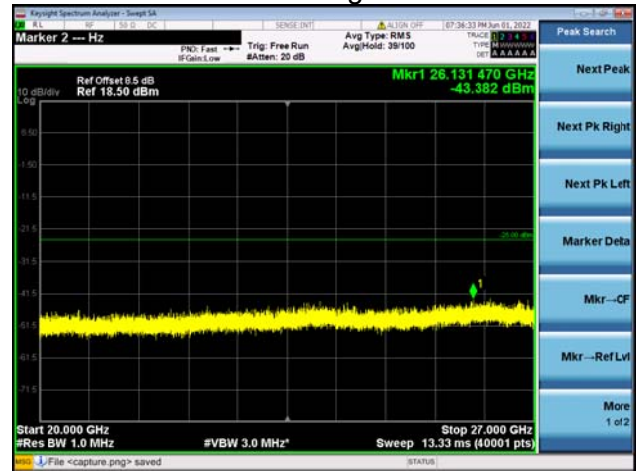




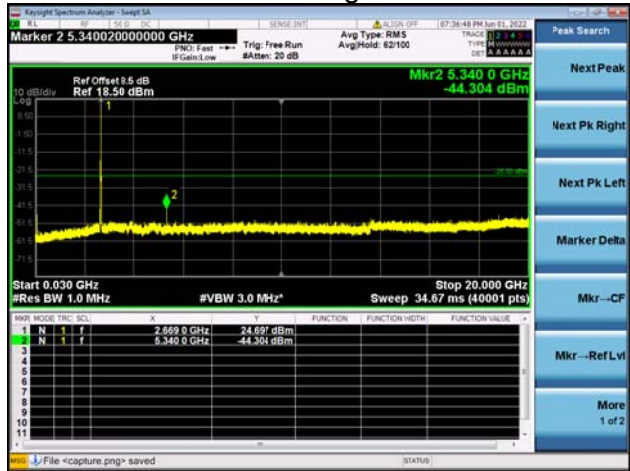
B41-30M-20G / 20MHz+20MHz /1RB+1RB/  
QPSK / High CH



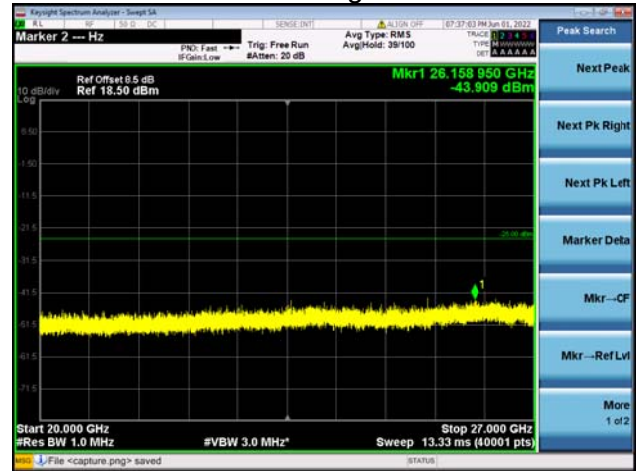
B41-20G-27G / 20MHz+20MHz /1RB+1RB/  
QPSK / High CH



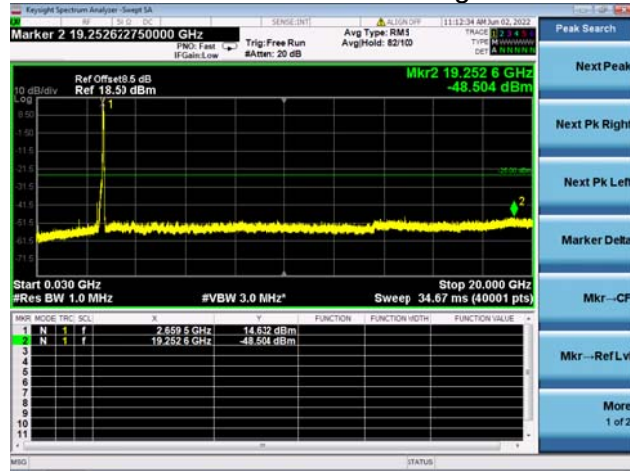
B41-30M-20G / 20MHz+20MHz /1RB+1RB/  
QPSK / High CH



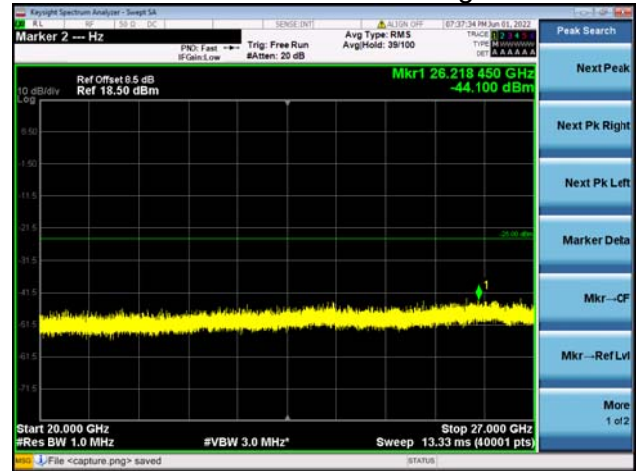
B41-20G-27G / 20MHz+20MHz /1RB+1RB/  
QPSK / High CH



B41-30M-20G / 20MHz+20MHz  
/100RB+100RB/ QPSK / High CH



B41-20G-27G / 20MHz+20MHz  
/100RB+100RB/ QPSK / High CH





## 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 22.917(a), 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(c), For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least  $43 + 10 \log (P)$  dB;

(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least  $43 + 10 \log (P)$  dB;

(3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than  $65 + 10 \log (P)$  dB in a 6.25 kHz band segment, for mobile and portable stations;

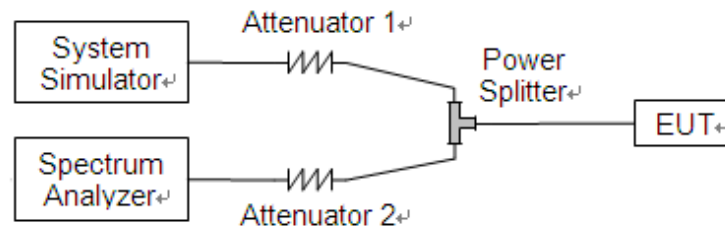
(4) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

(5) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

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

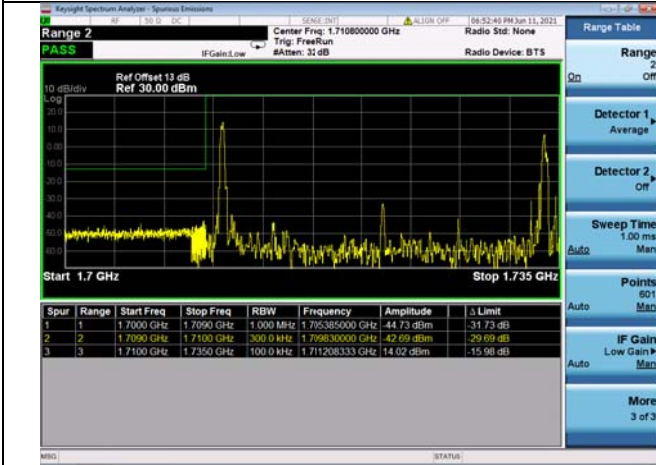
The center frequency of spectrum is the band edge frequency and span is 2MHz, Record the max trace into the test report.



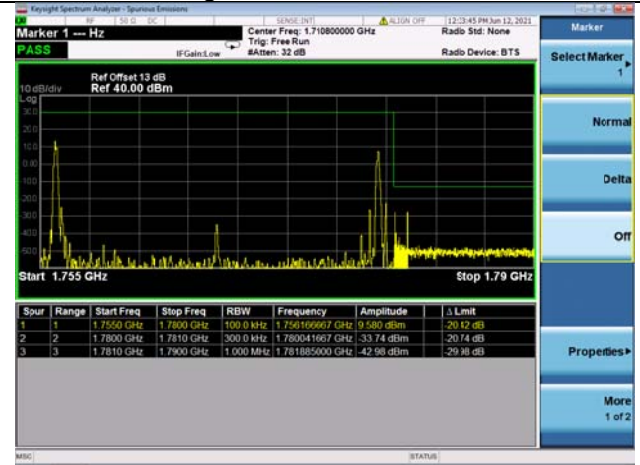
LTE Band 66C

Channel Bandwidth: 5MHz+20MHz

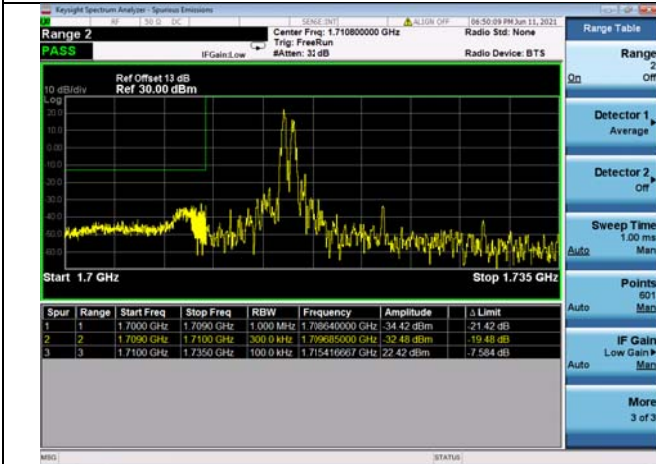
Low 1RB0 and 1RB99



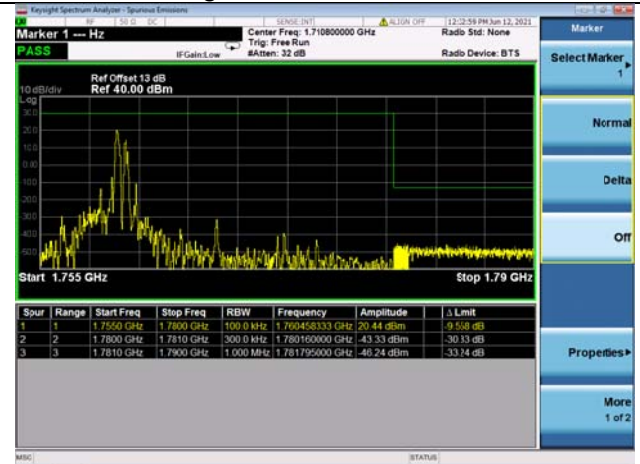
High 1RB0 and 1RB99



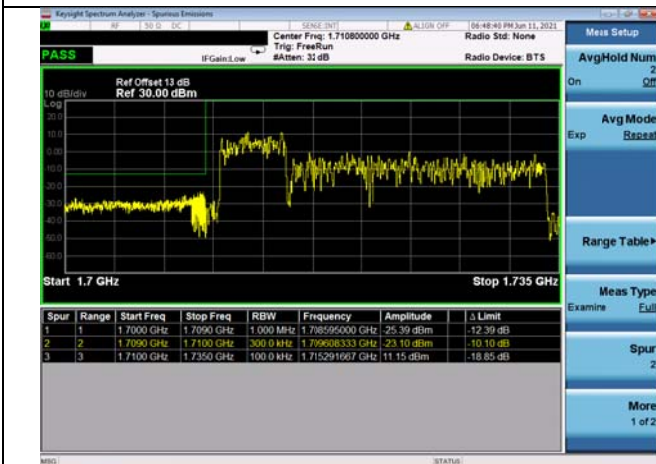
Low 1RB24 and 1RB0



High 1RB24 and 1RB0



Low FULL RB



High FULL RB

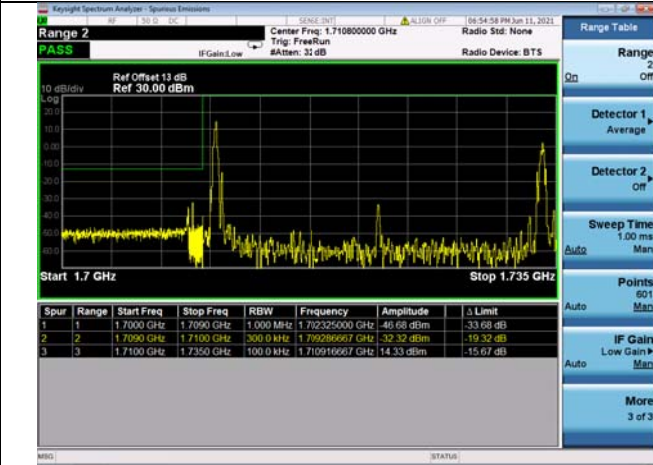




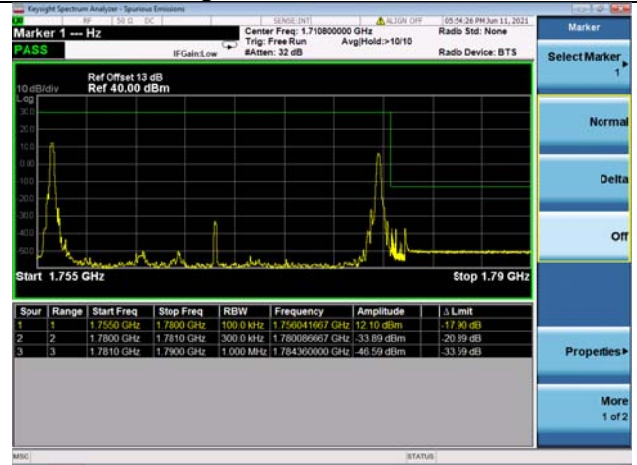
LTE Band 66C

Channel Bandwidth: 10MHz+15MHz

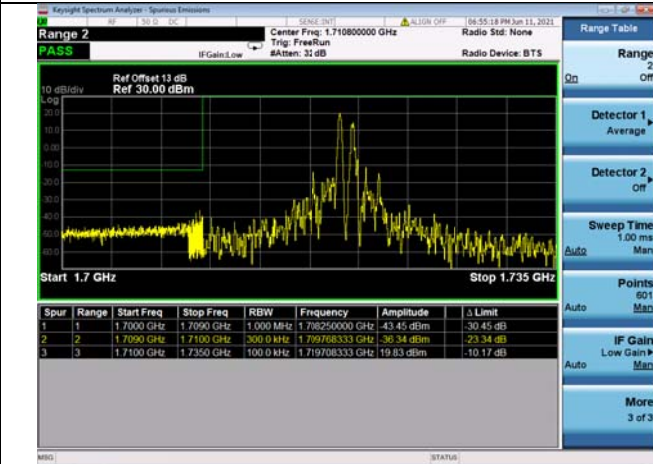
Low 1RB0 and 1RB74



High 1RB0 and 1RB74



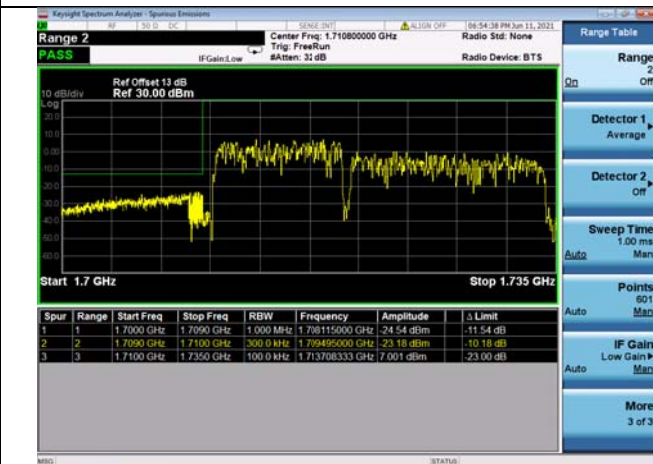
Low 1RB49 and 1RB0



High 1RB49 and 1RB0



Low FULL RB



High FULL RB

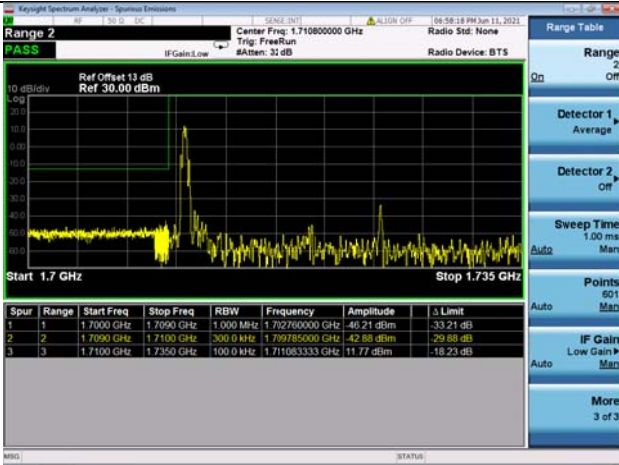




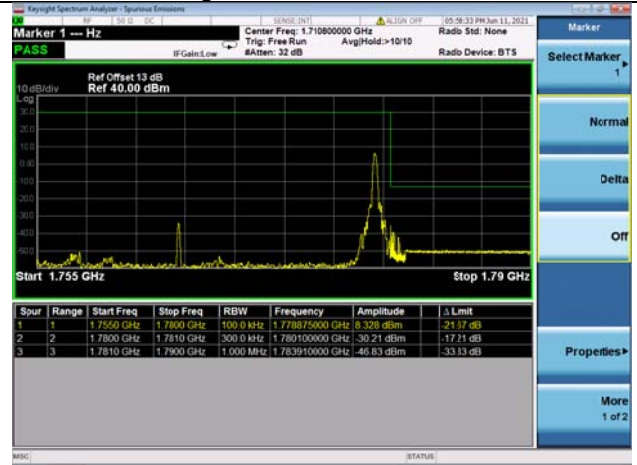
LTE Band 66C

Channel Bandwidth: 10MHz+20MHz

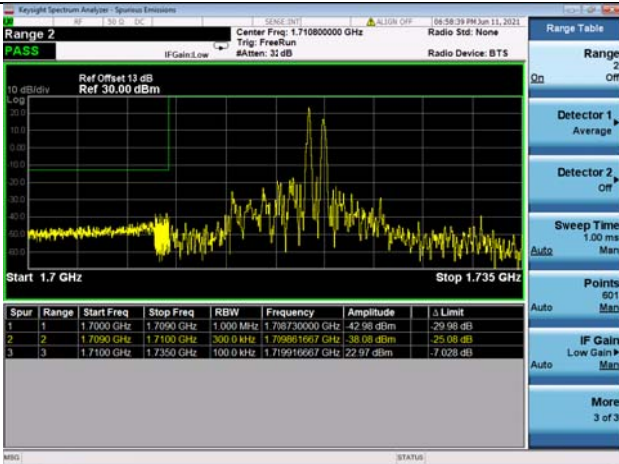
Low 1RB0 and 1RB99



High 1RB0 and 1RB99



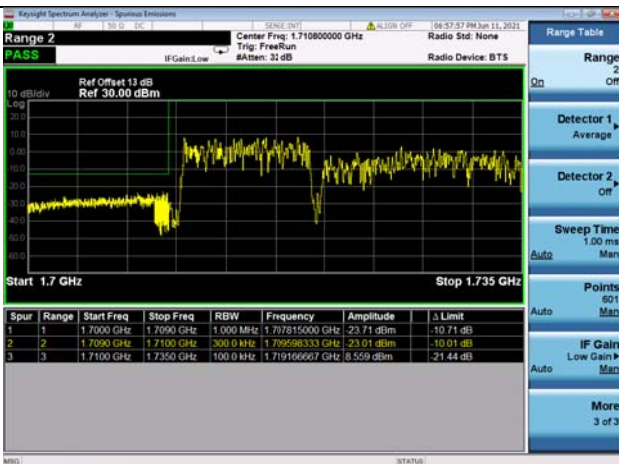
Low 1RB49 and 1RB0



High 1RB49 and 1RB0



Low FULL RB



High FULL RB



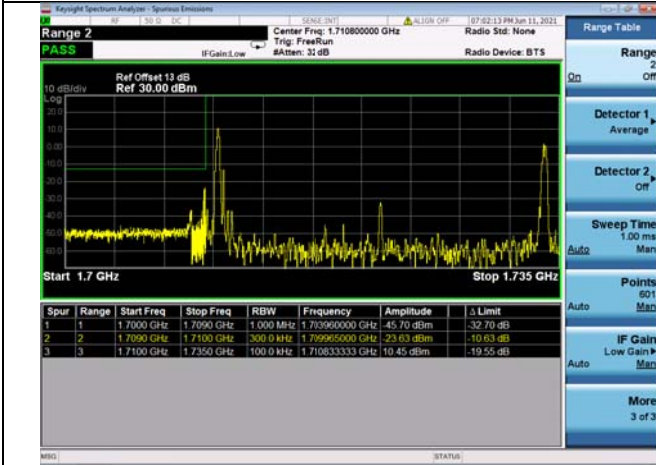




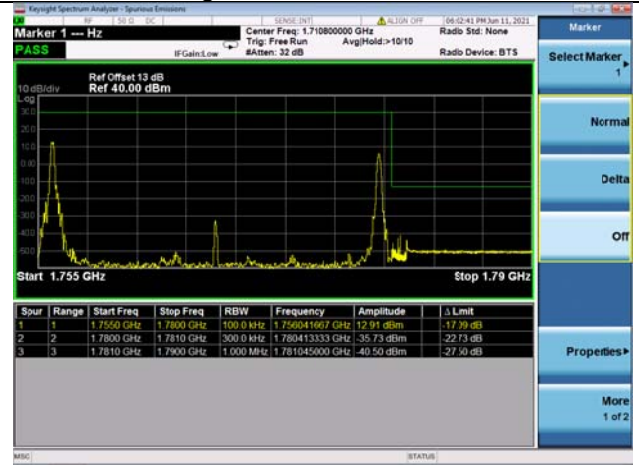
LTE Band 66C

Channel Bandwidth: 15MHz+10MHz

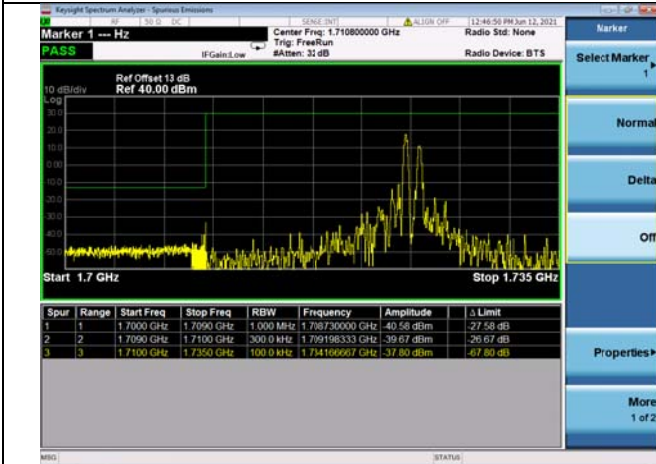
Low 1RB0 and 1RB49



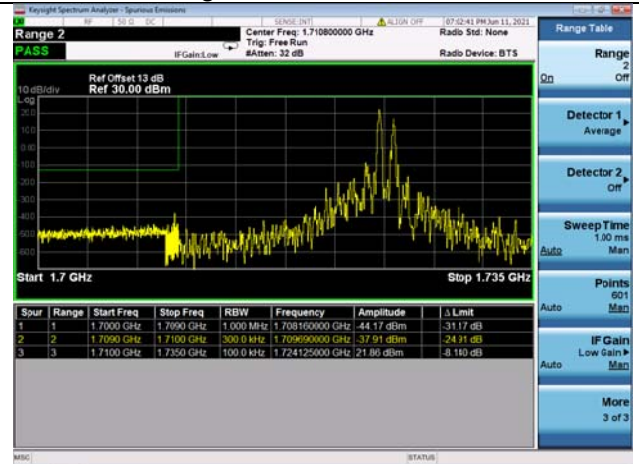
High 1RB0 and 1RB49



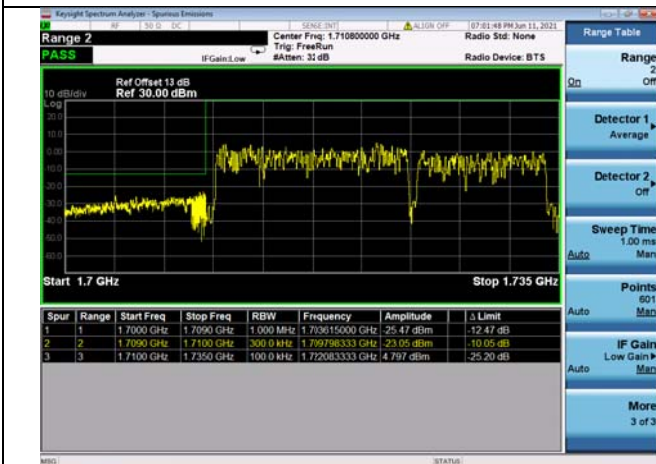
Low 1RB74 and 1RB0



High 1RB74 and 1RB0



Low FULL RB



High FULL RB

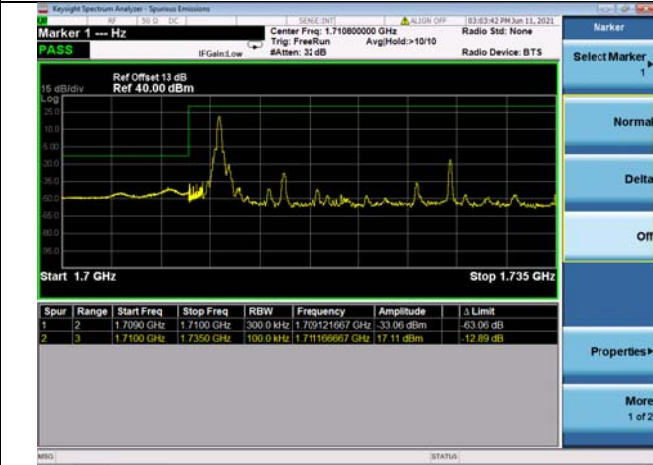




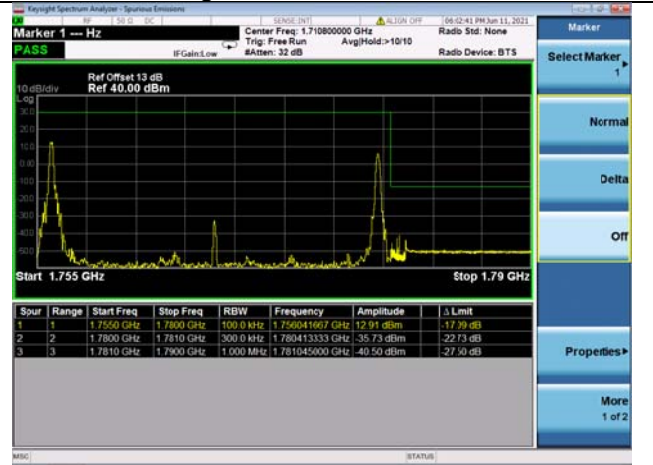
LTE Band 66C

Channel Bandwidth: 15MHz+15MHz

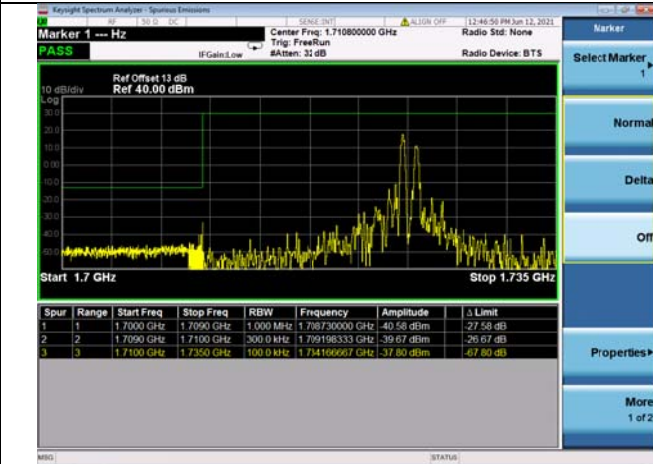
Low 1RB0 and 1RB74



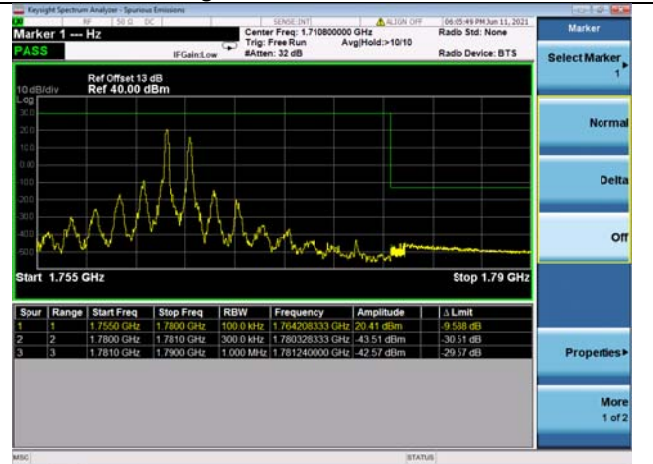
High 1RB0 and 1RB74



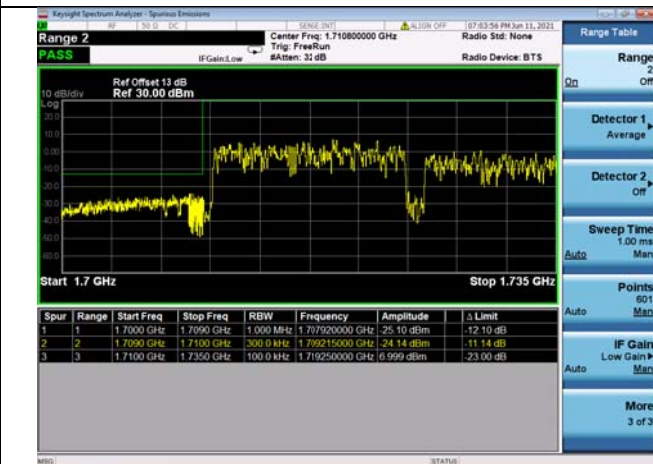
Low 1RB74 and 1RB0



High 1RB74 and 1RB0



Low FULL RB



High FULL RB

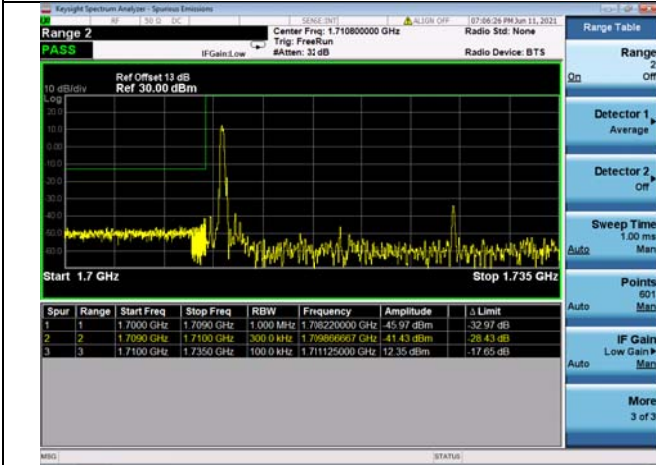




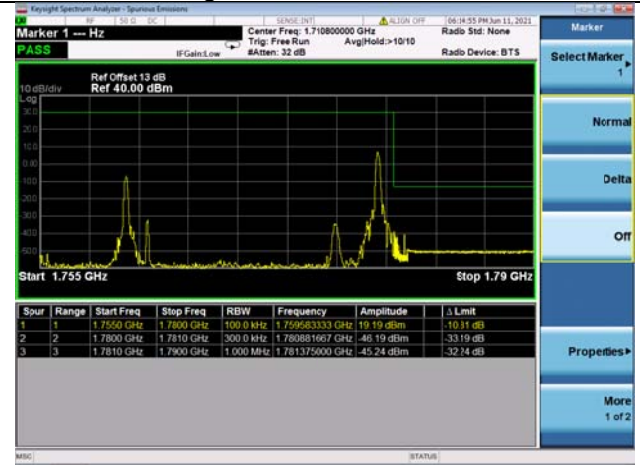
LTE Band 66C

Channel Bandwidth: 15MHz+20MHz

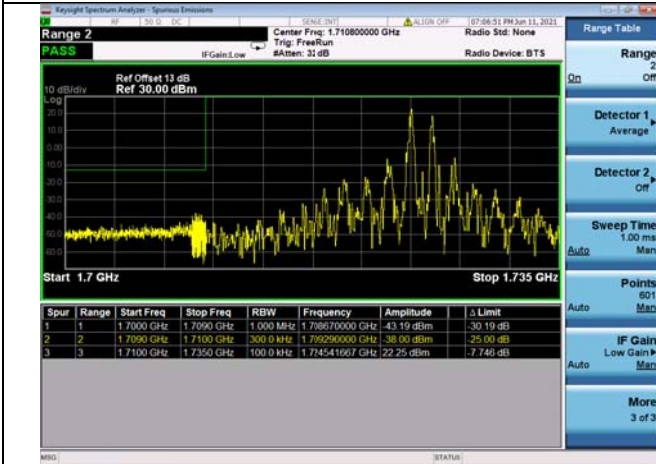
Low 1RB0 and 1RB99



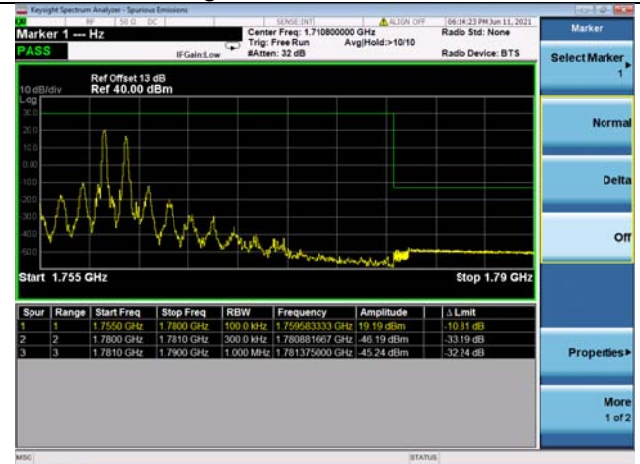
High 1RB0 and 1RB99



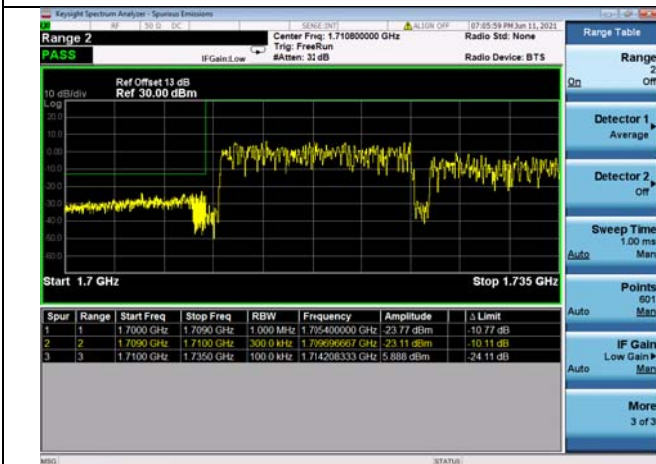
Low 1RB74 and 1RB0



High 1RB74 and 1RB0



Low FULL RB



High FULL RB

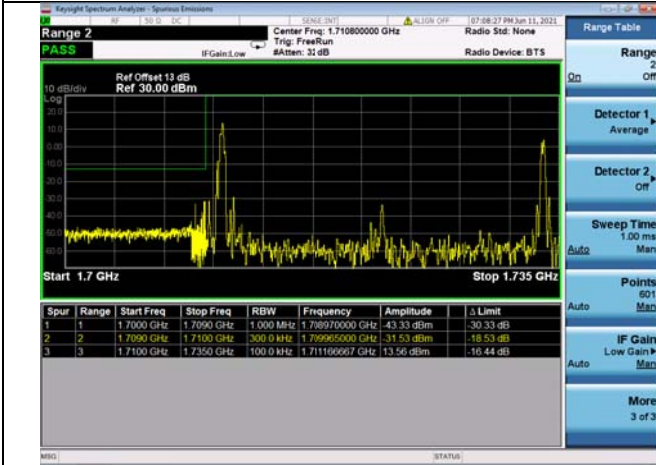




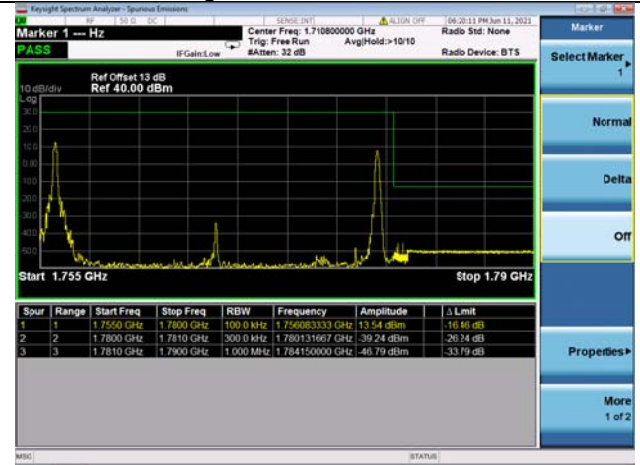
LTE Band 66C

Channel Bandwidth: 20MHz+5MHz

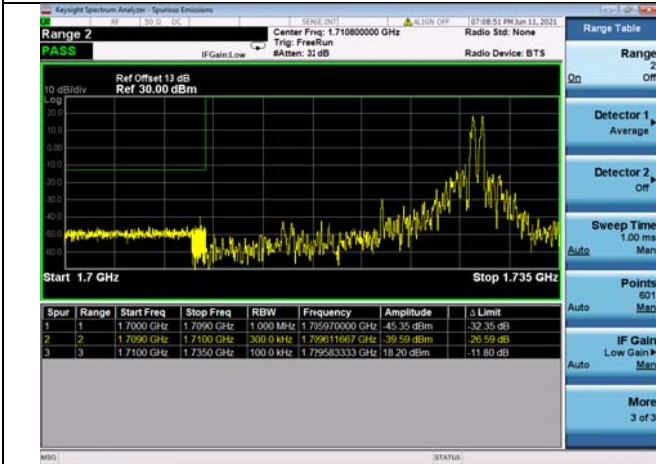
Low 1RB0 and 1RB24



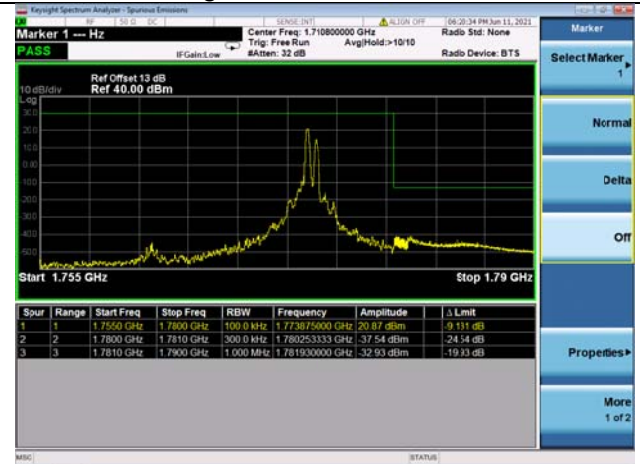
High 1RB0 and 1RB24



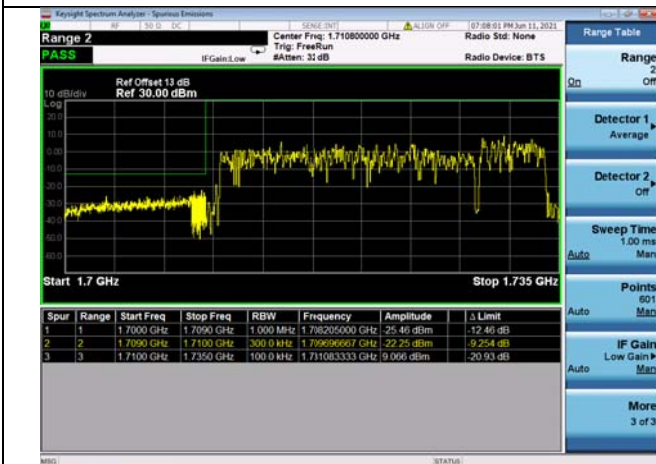
Low 1RB99 and 1RB0



High 1RB99 and 1RB0



Low FULL RB



High FULL RB

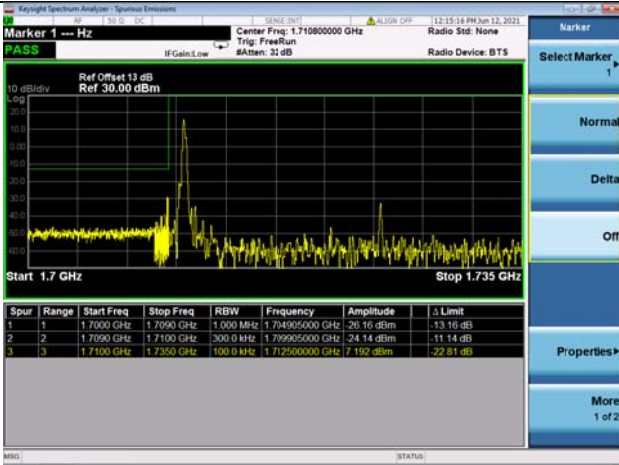




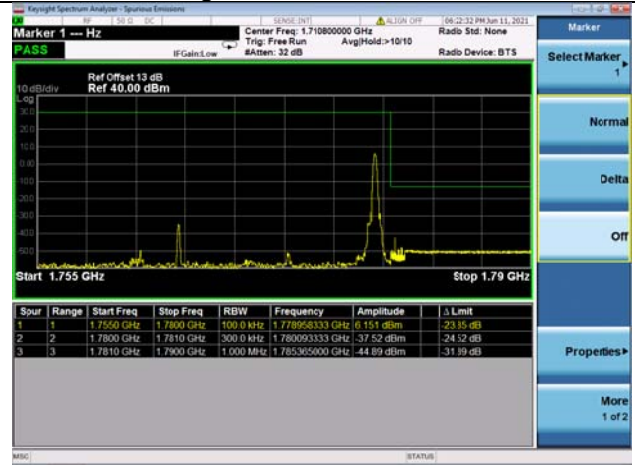
LTE Band 66C

Channel Bandwidth: 20MHz+10MHz

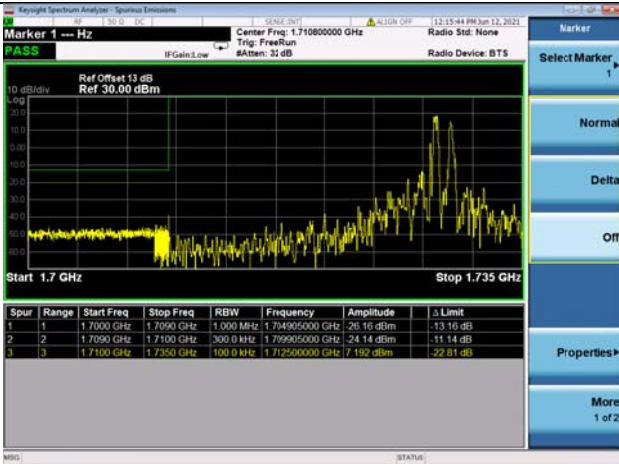
Low 1RB0 and 1RB49



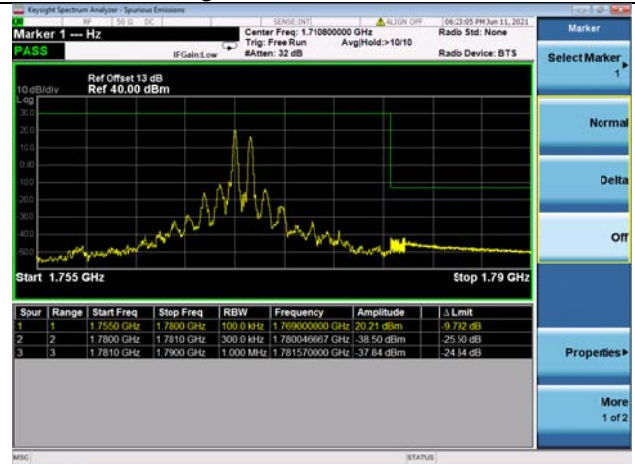
High 1RB0 and 1RB49



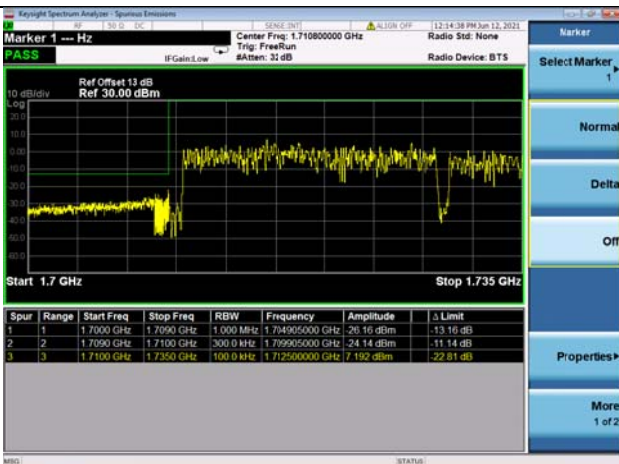
Low 1RB99 and 1RB0



High 1RB99 and 1RB0



Low FULL RB



High FULL RB

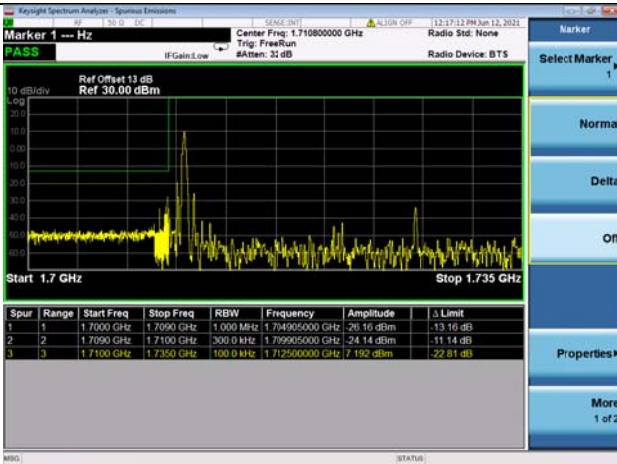




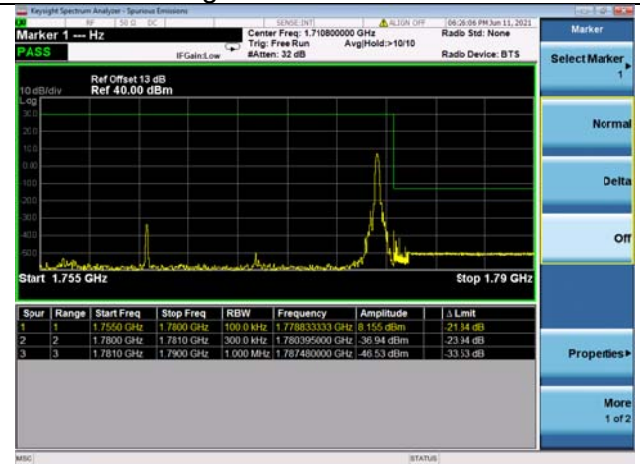
LTE Band 66C

Channel Bandwidth: 20MHz+15MHz

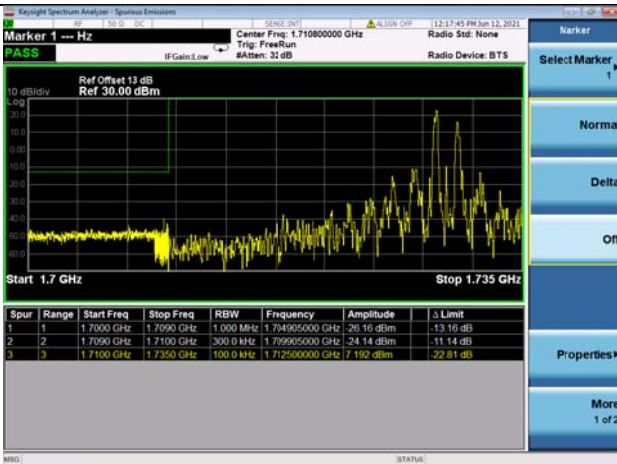
Low 1RB0 and 1RB74



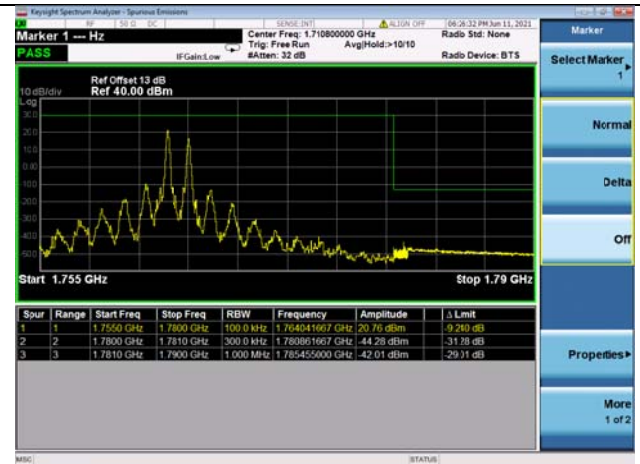
High 1RB0 and 1RB74



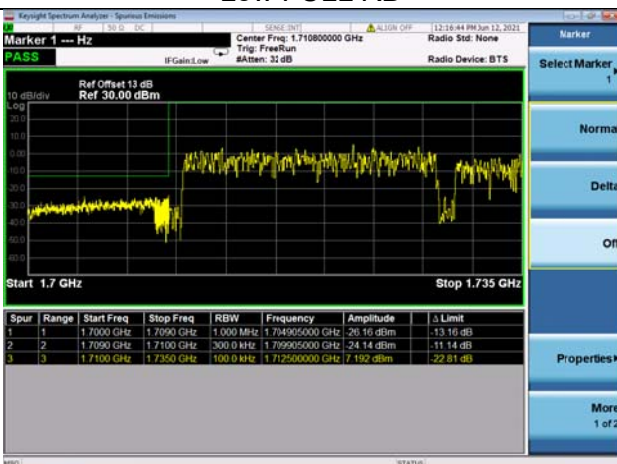
Low 1RB99 and 1RB0



Low 1RB99 and 1RB0



Low FULL RB



High FULL RB

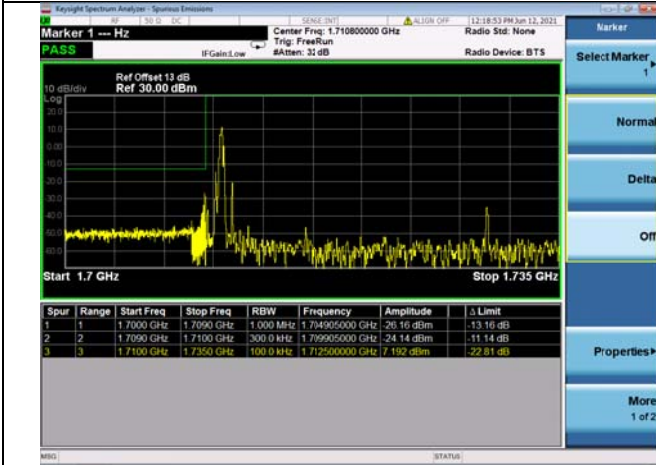




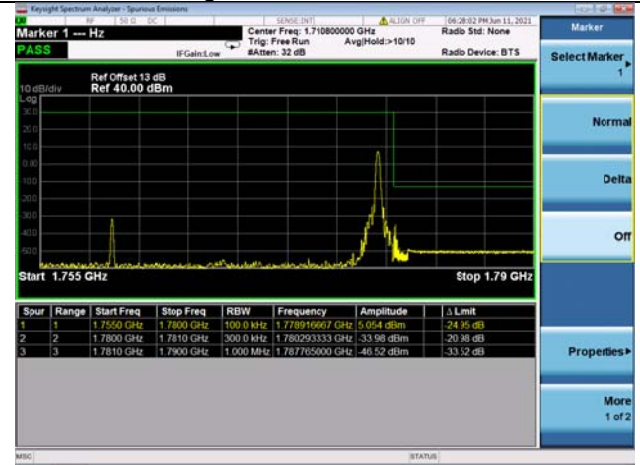
LTE Band 66C

Channel Bandwidth: 20MHz+20MHz

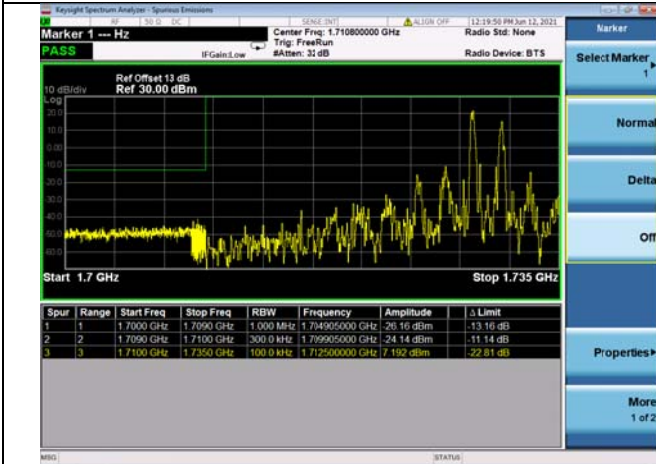
Low 1RB0 and 1RB99



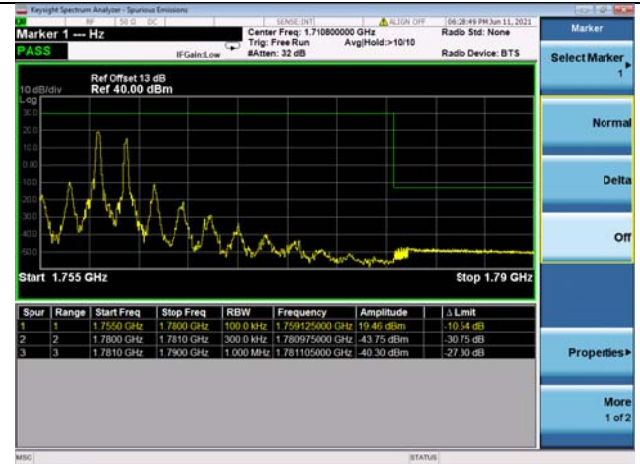
High 1RB0 and 1RB99



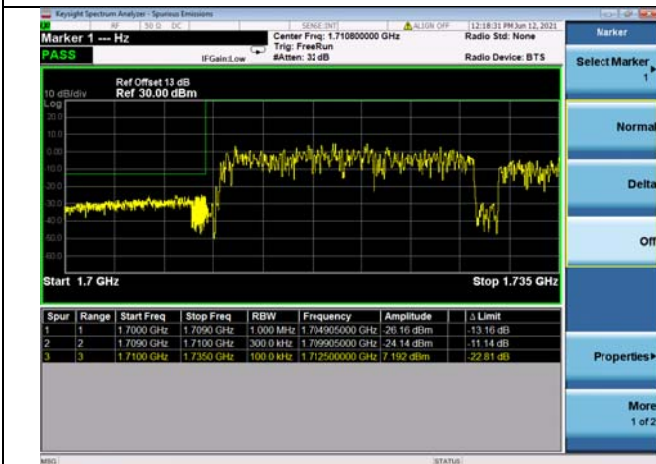
Low 1RB99 and 1RB0



Low 1RB99 and 1RB0



Low FULL RB



High FULL RB

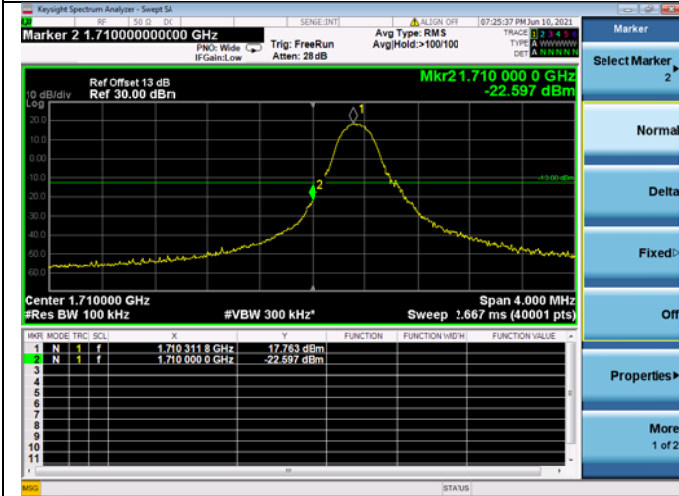




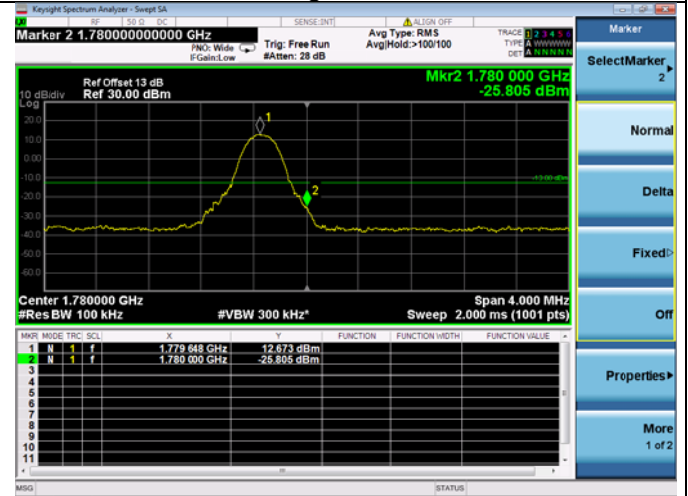
LTE Band 66B

Channel Bandwidth: 5MHz+5MHz

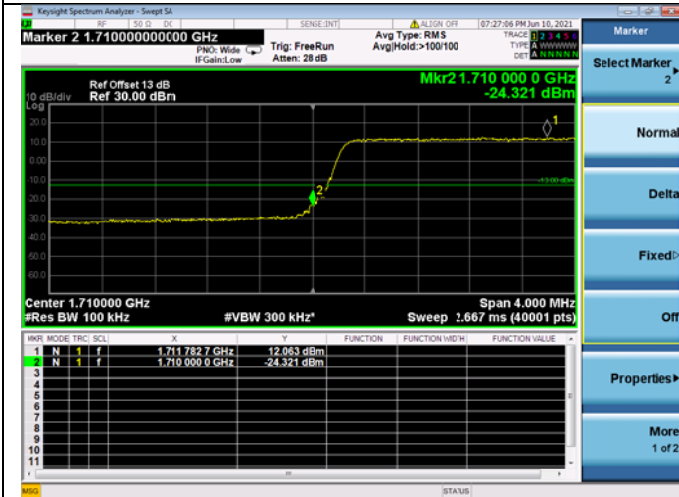
Low 1RB



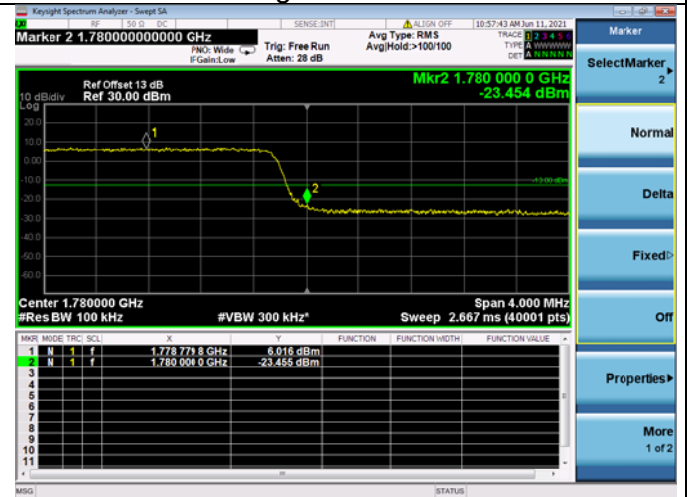
High 1RB



Low FULL RB



High FULL RB



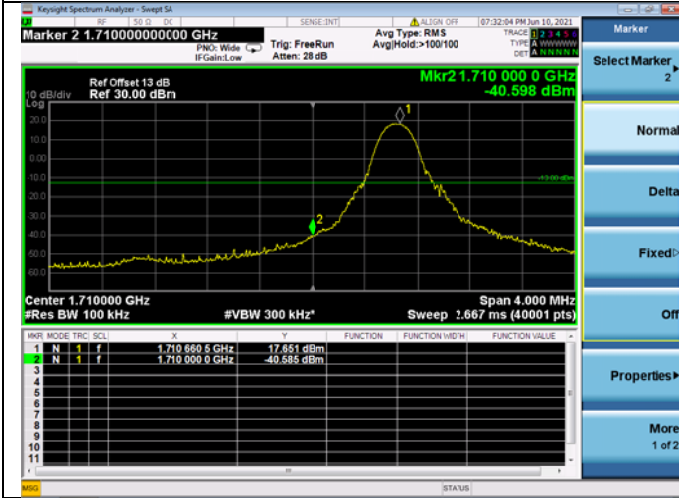




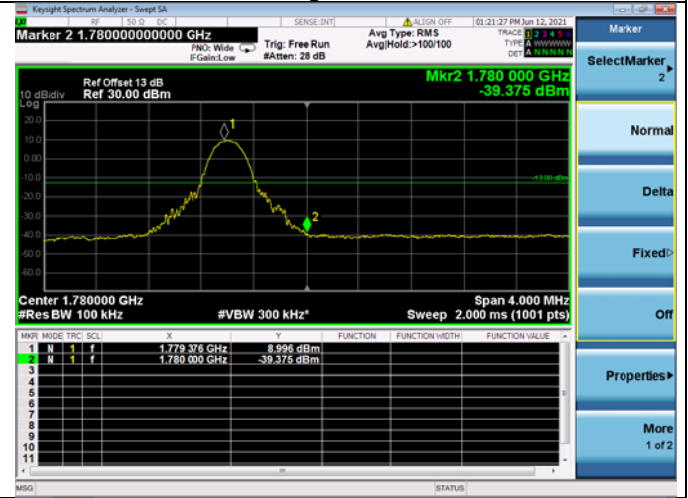
LTE Band 66B

Channel Bandwidth: 5MHz+10MHz

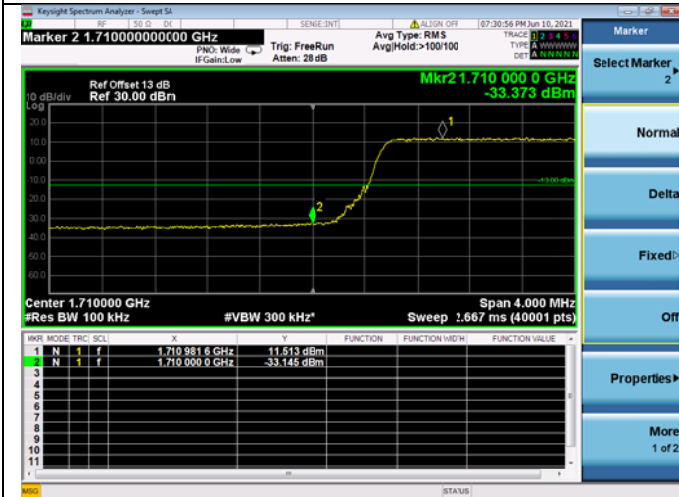
Low 1RB



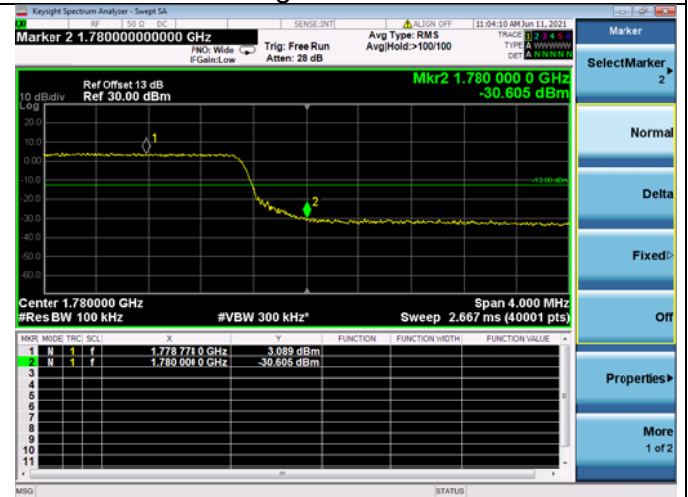
High 1RB



Low FULL RB



High FULL RB

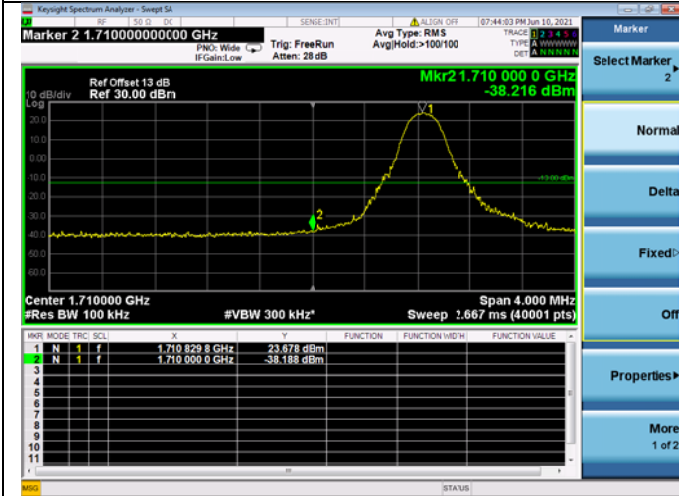




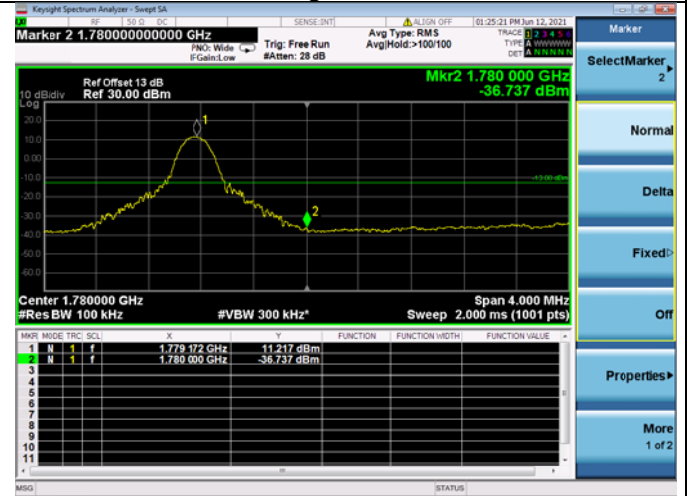
LTE Band 66B

Channel Bandwidth: 5MHz+15MHz

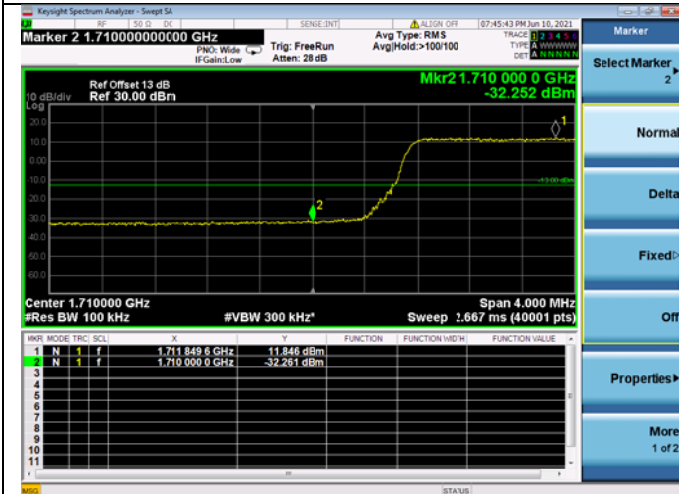
Low 1RB



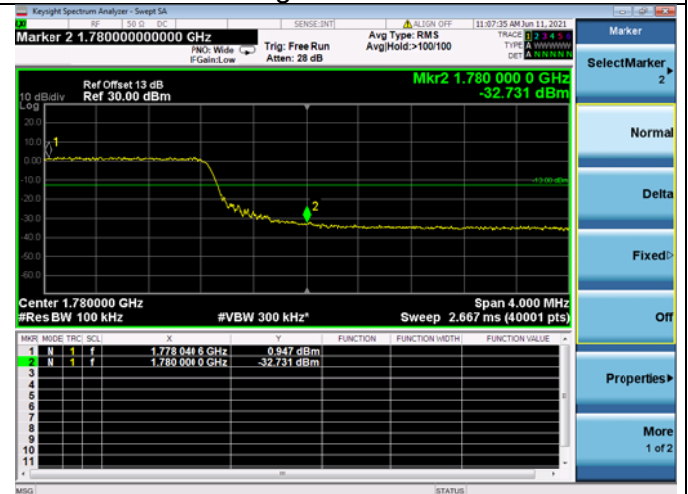
High 1RB



Low FULL RB



High FULL RB

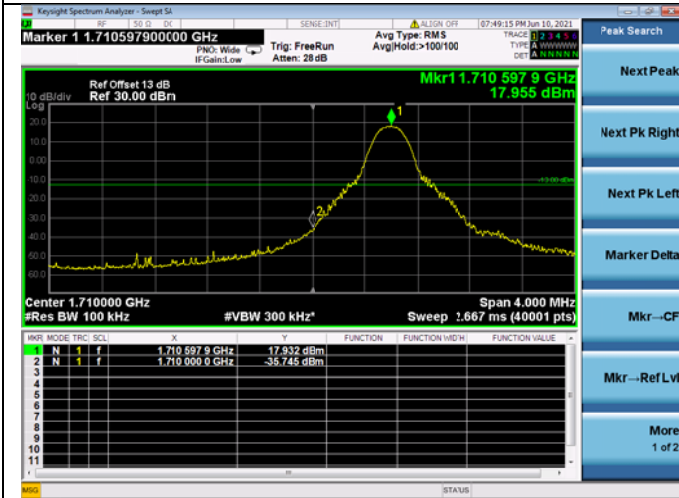




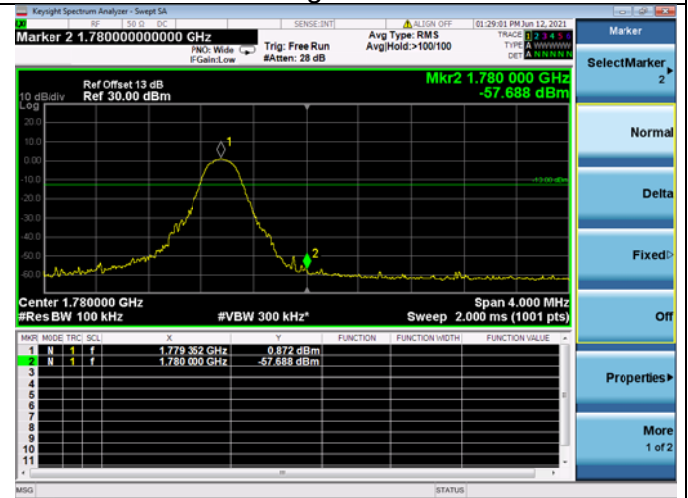
LTE Band 66B

Channel Bandwidth: 10MHz+5MHz

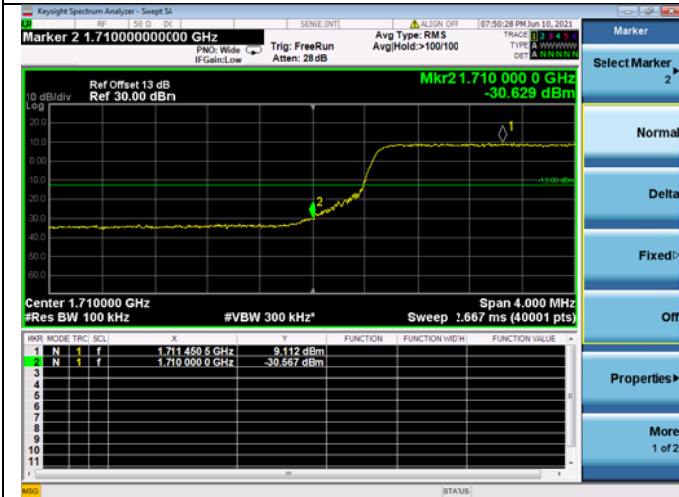
Low 1RB



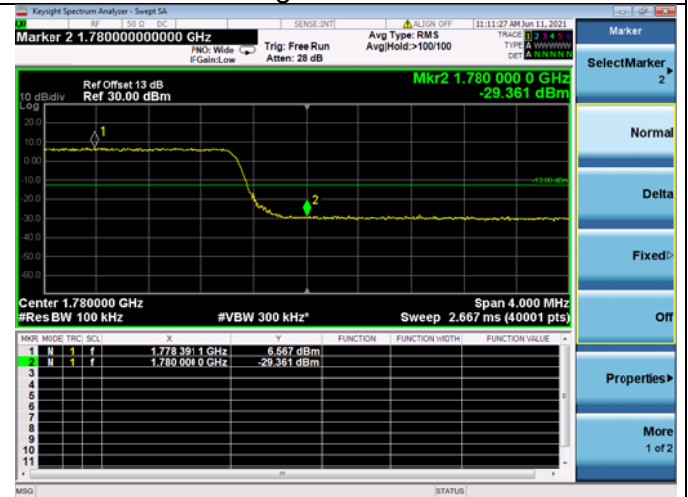
High 1RB



Low FULL RB



High FULL RB

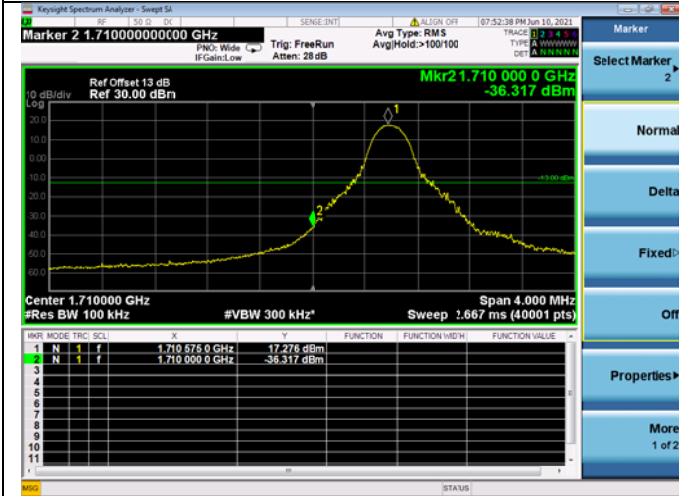




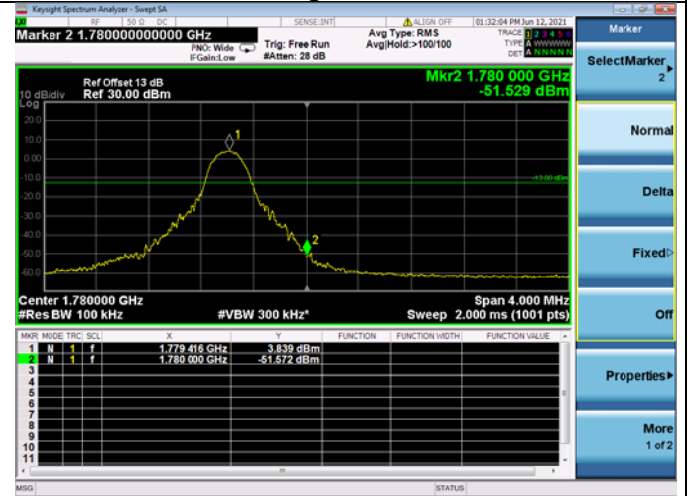
LTE Band 66B

Channel Bandwidth: 10MHz+10MHz

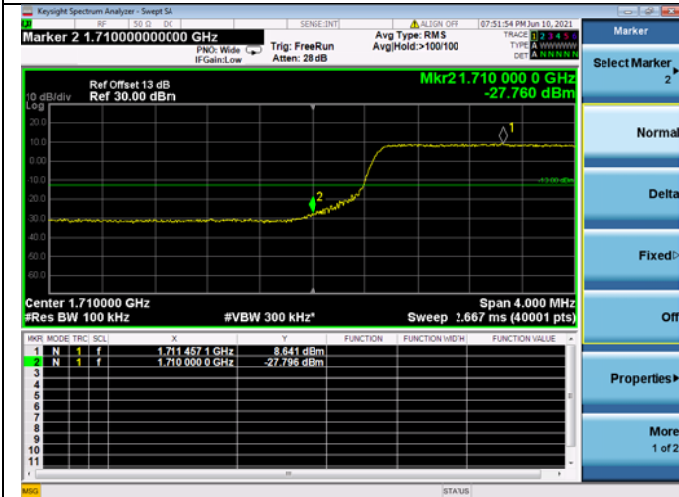
Low 1RB



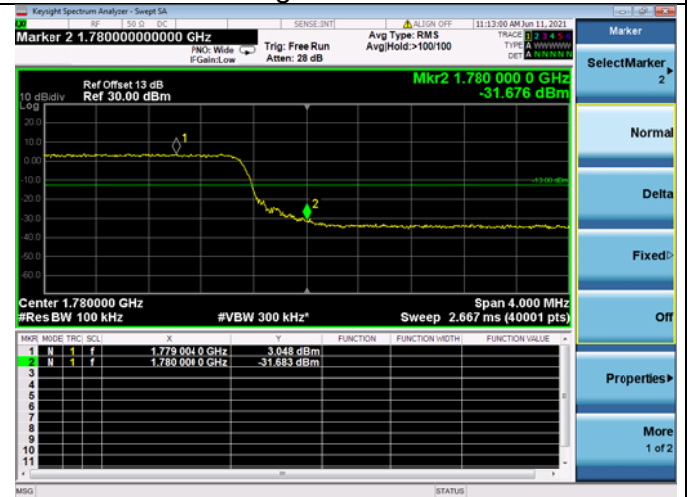
High 1RB



Low FULL RB



High FULL RB

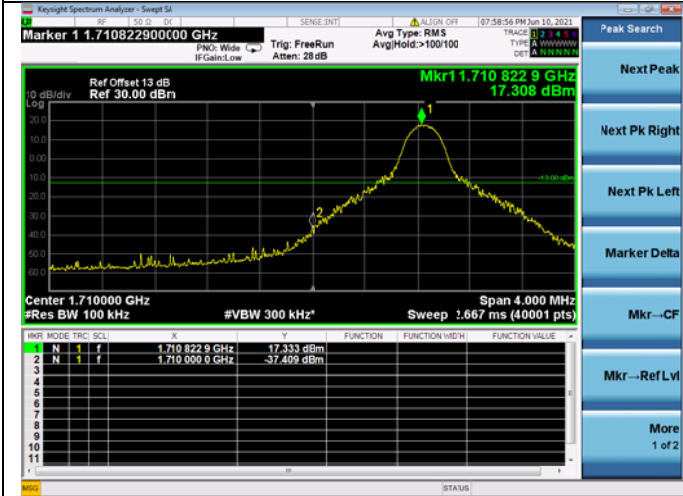




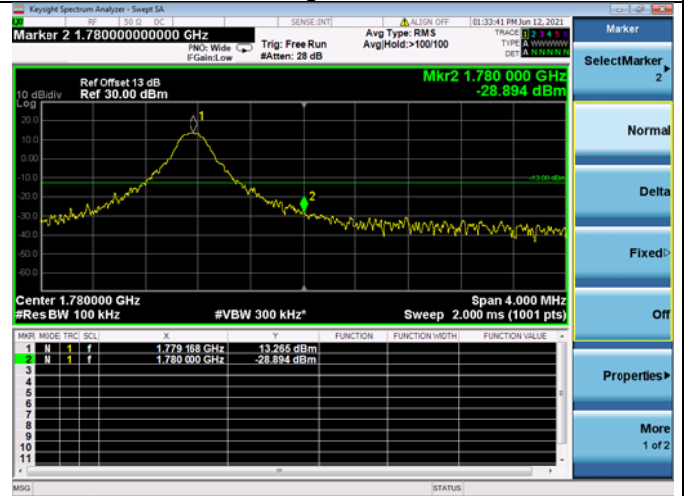
LTE Band 66B

Channel Bandwidth: 15MHz+5MHz

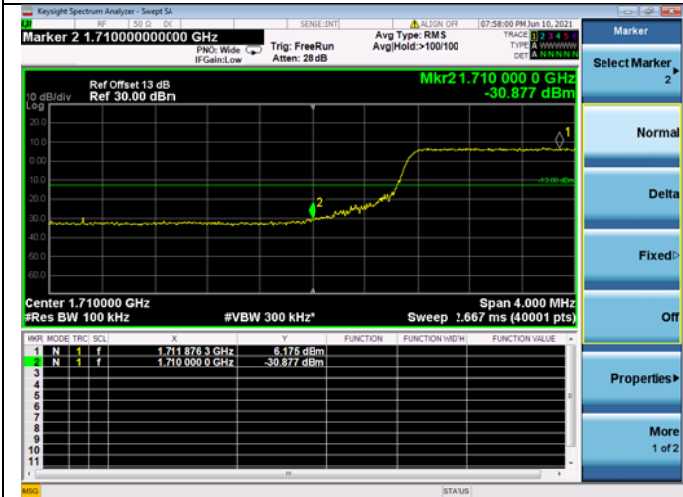
Low 1RB



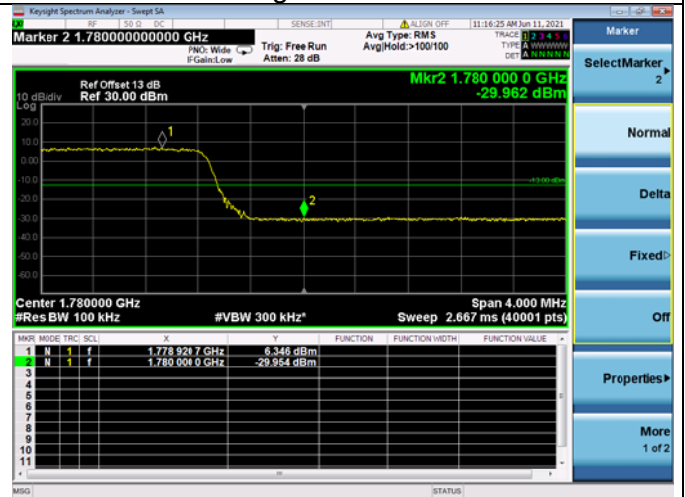
High 1RB



Low FULL RB



High FULL RB

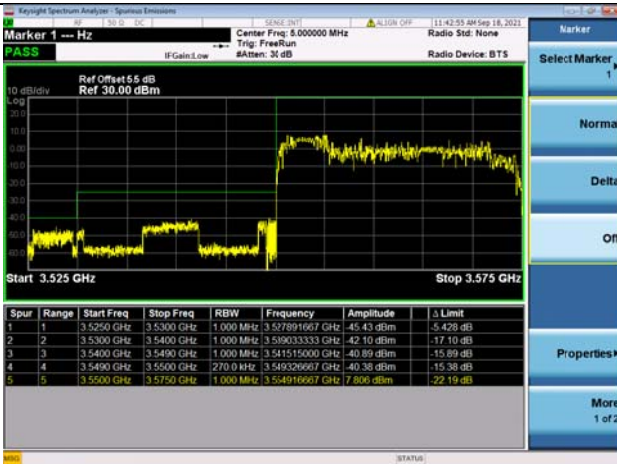




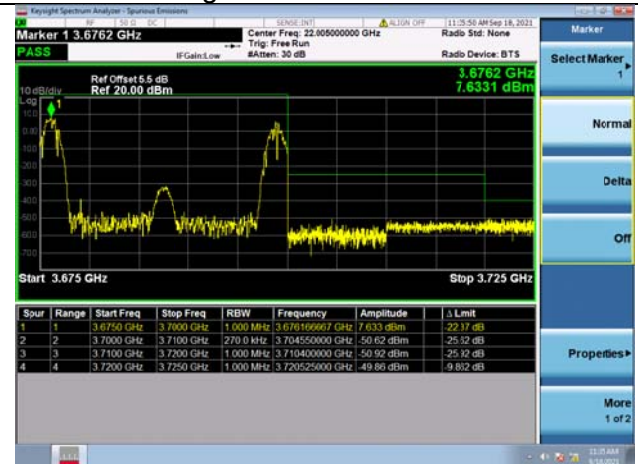
LTE Band 48C

Channel Bandwidth: 5MHz+20MHz

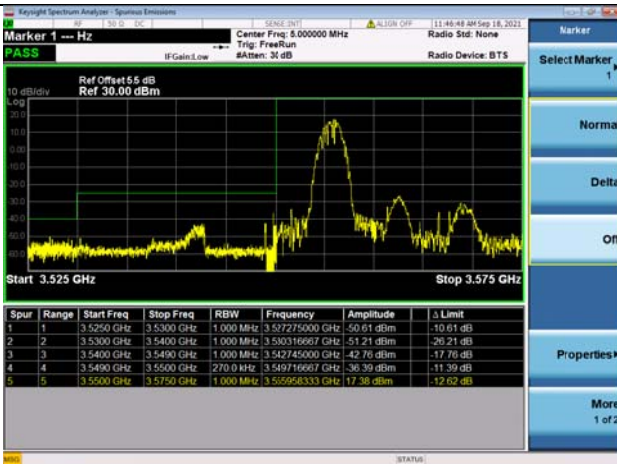
Low 1RB0 and 1RB99



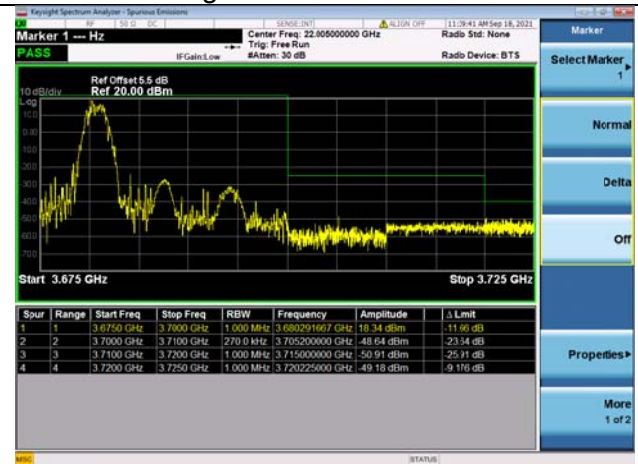
High 1RB0 and 1RB99



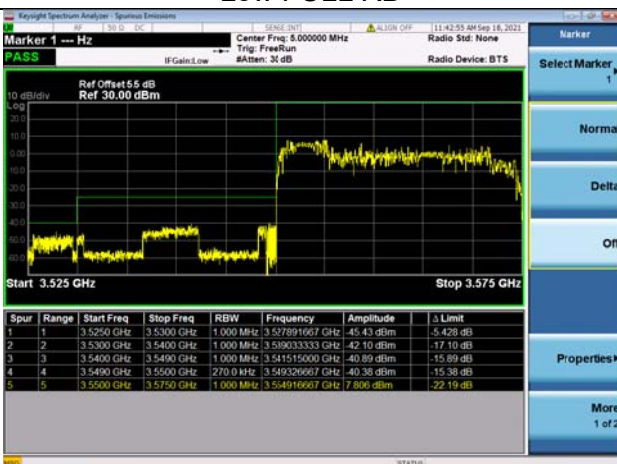
Low 1RB24 and 1RB0



High 1RB24 and 1RB0



Low FULL RB



High FULL RB

