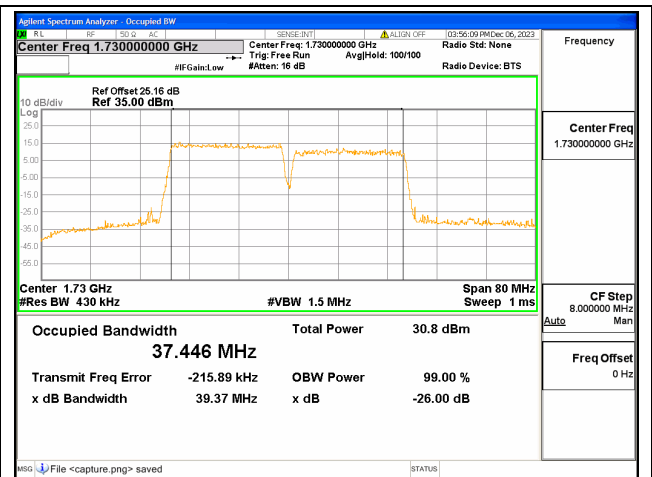
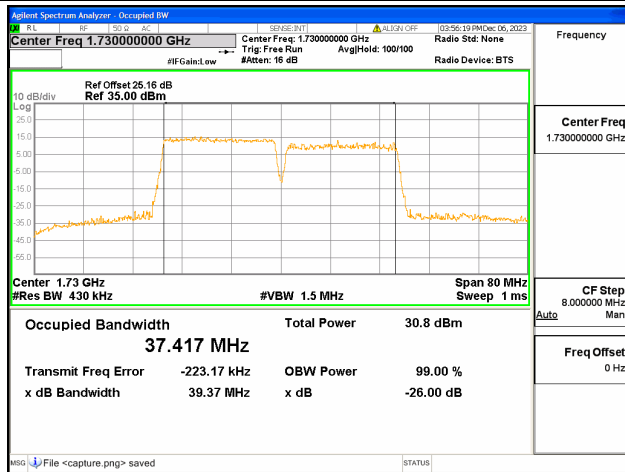


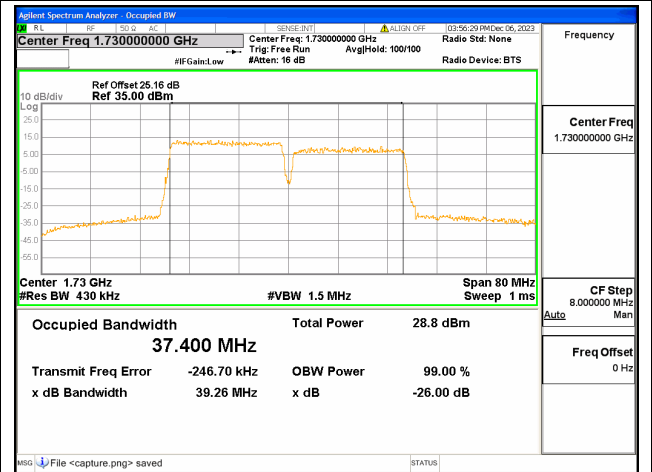
66C / 20+20MHz / QPSK/ Low CH



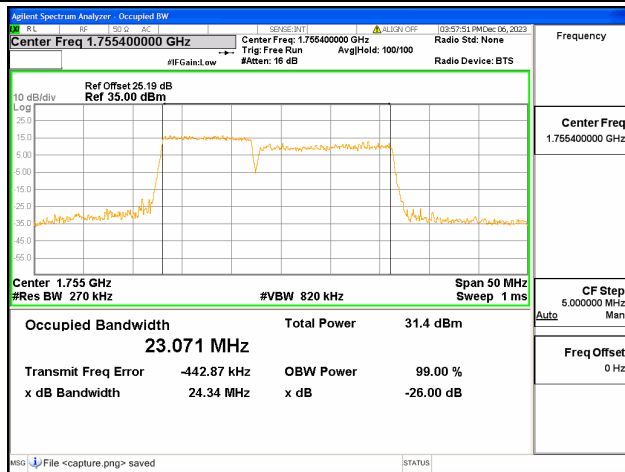
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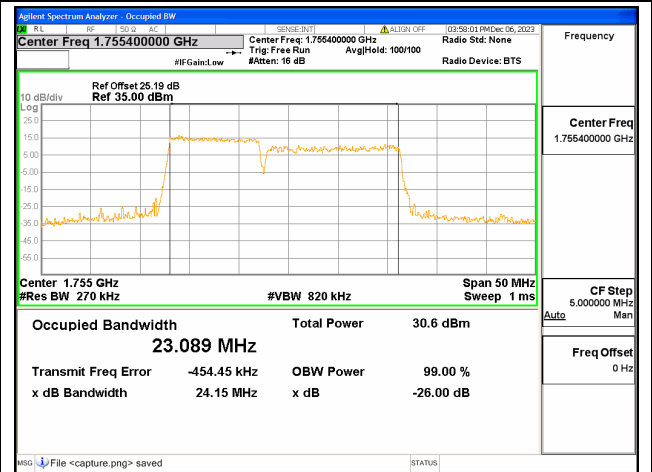
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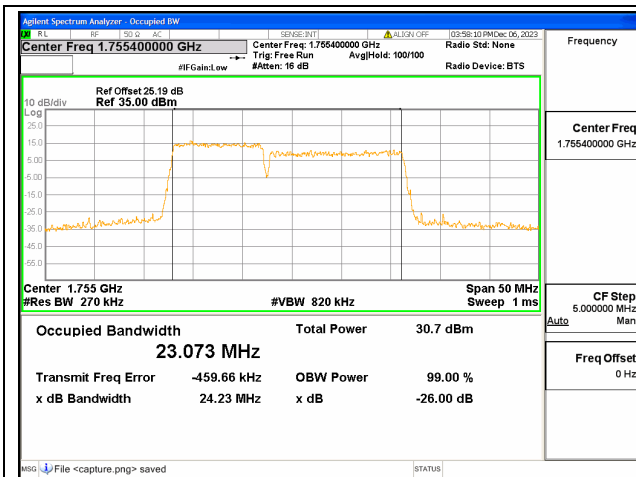
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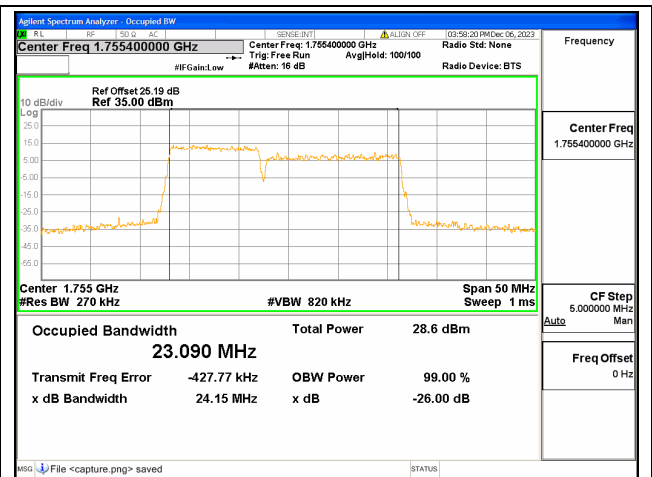
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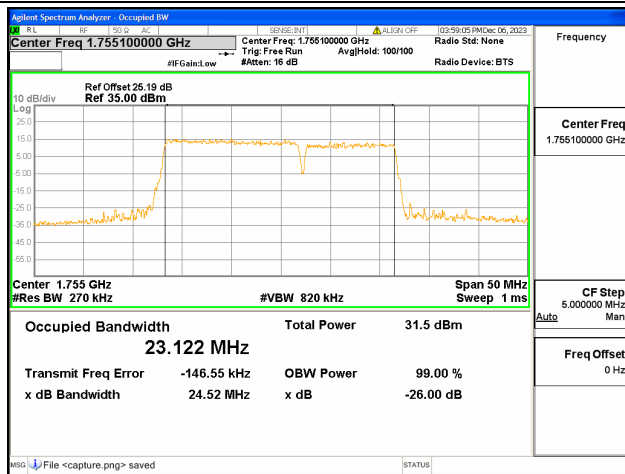
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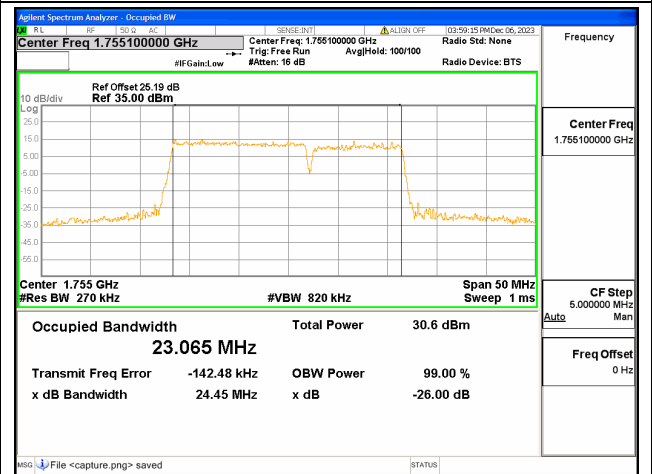
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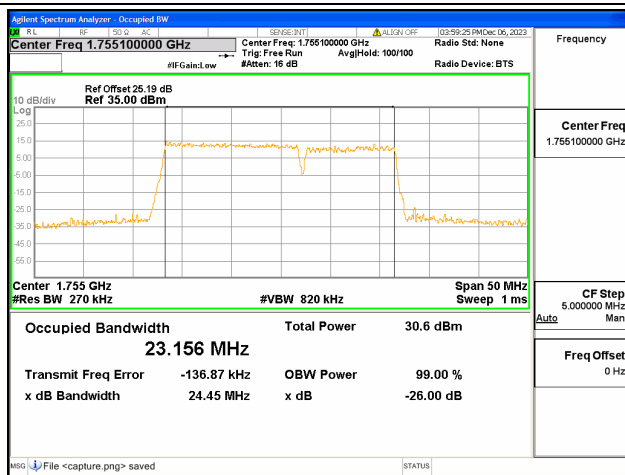
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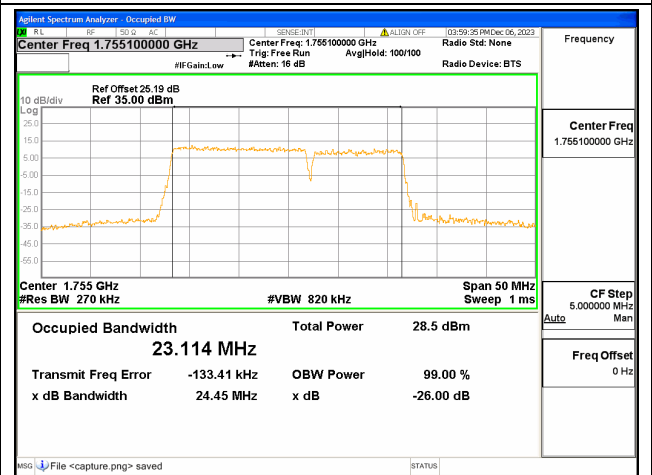
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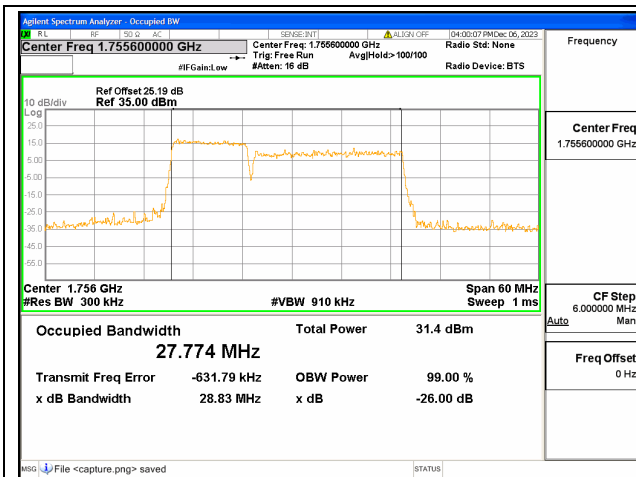
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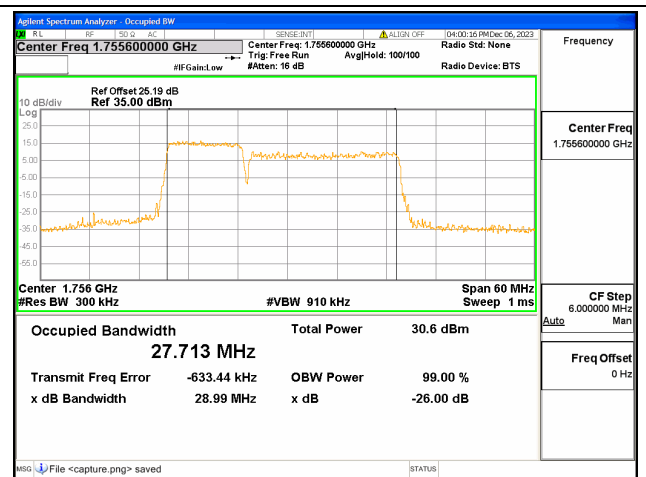
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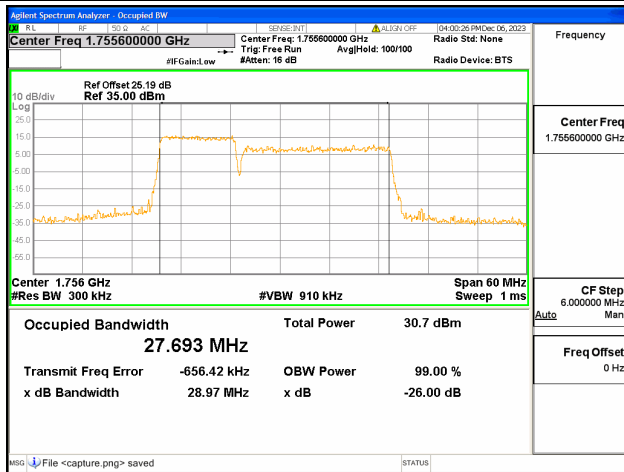
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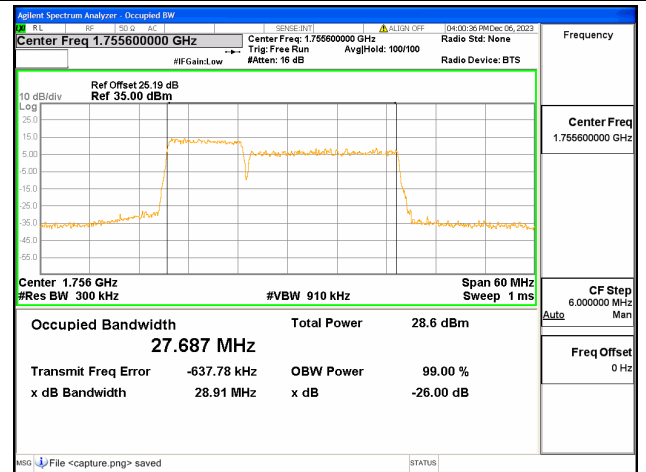
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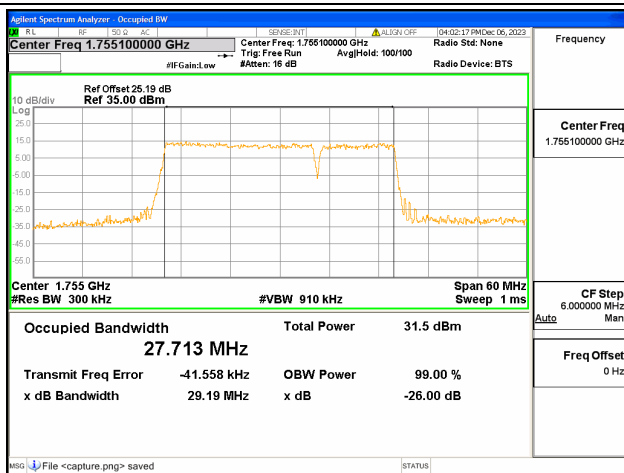
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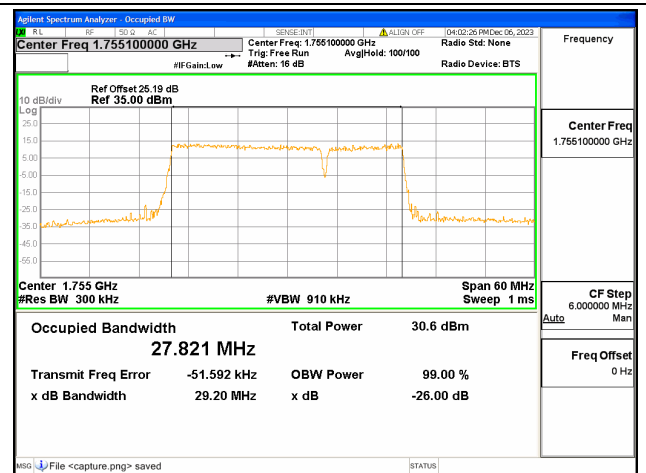
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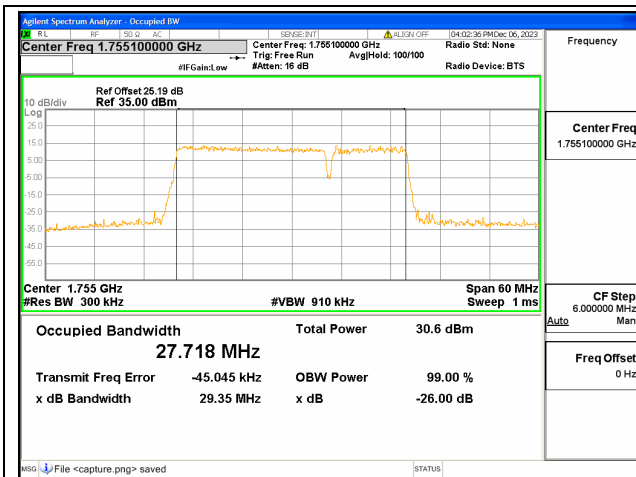
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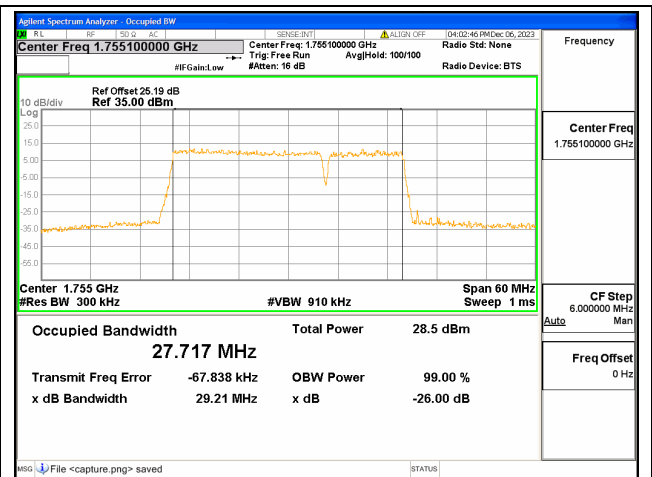
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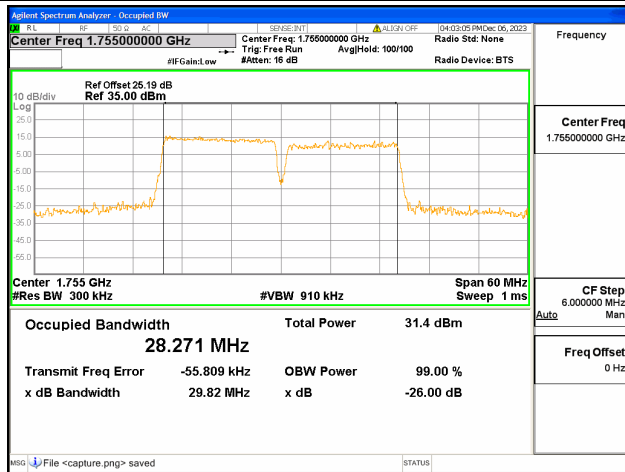
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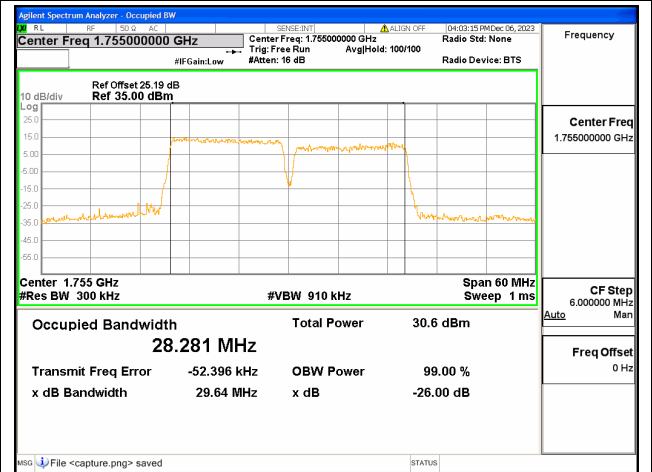
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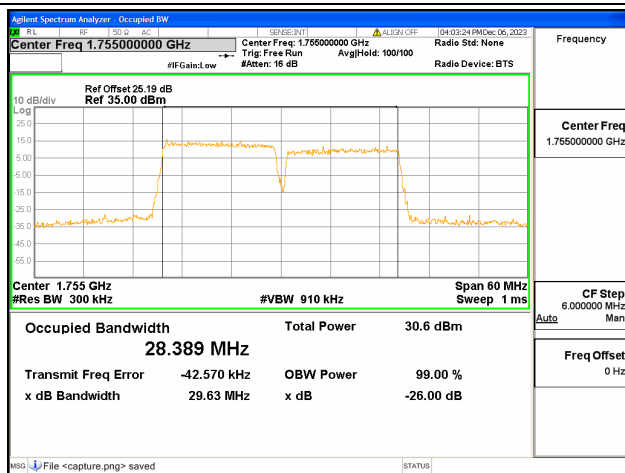
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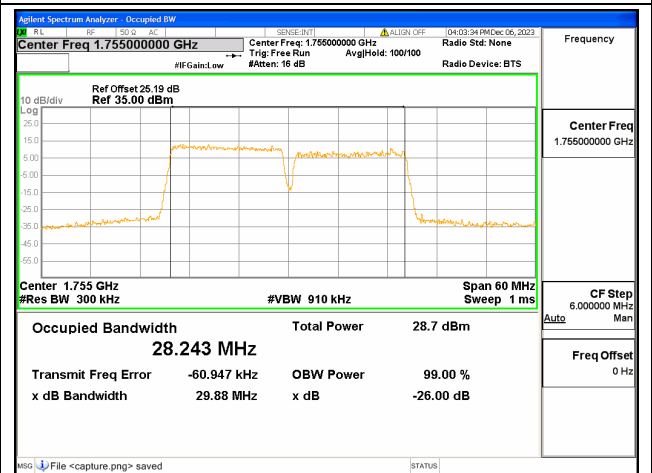
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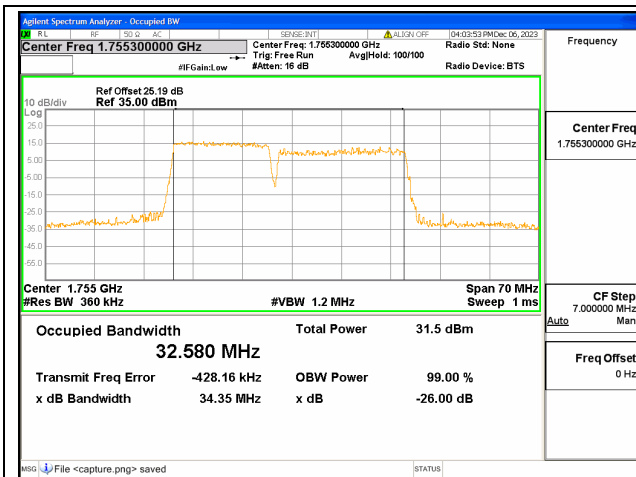
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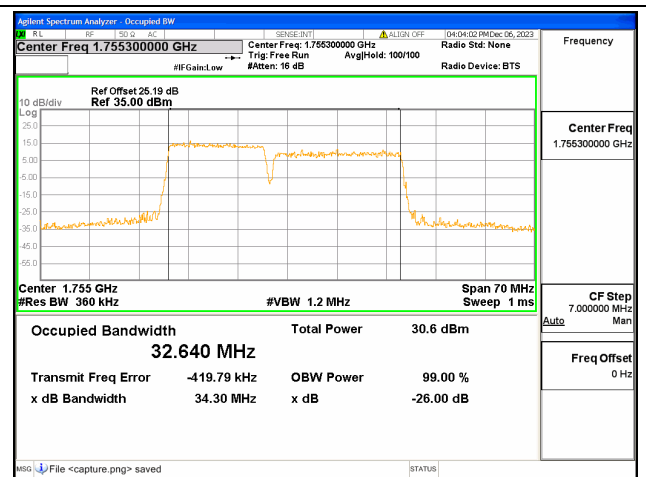
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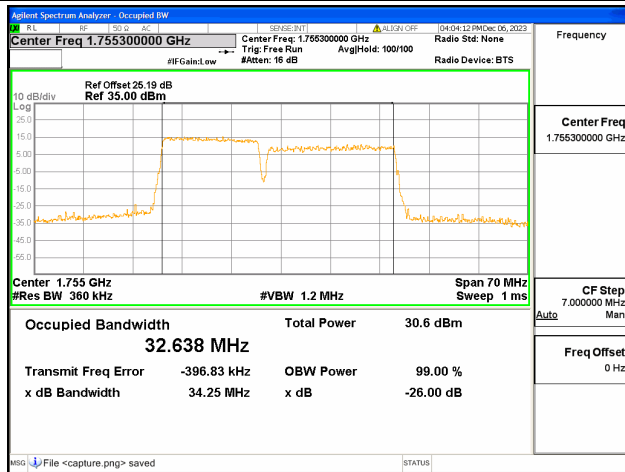
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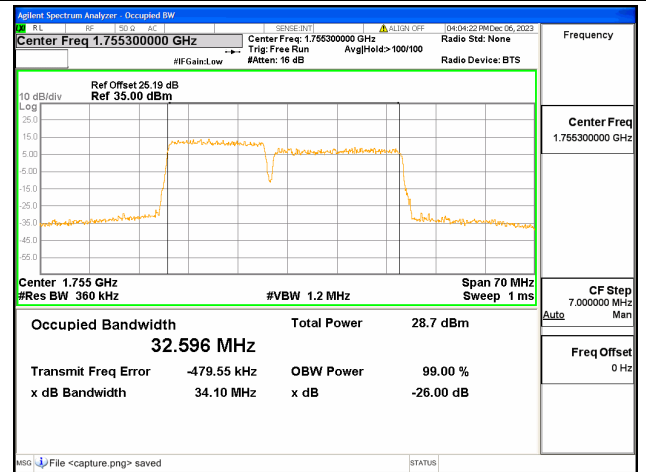
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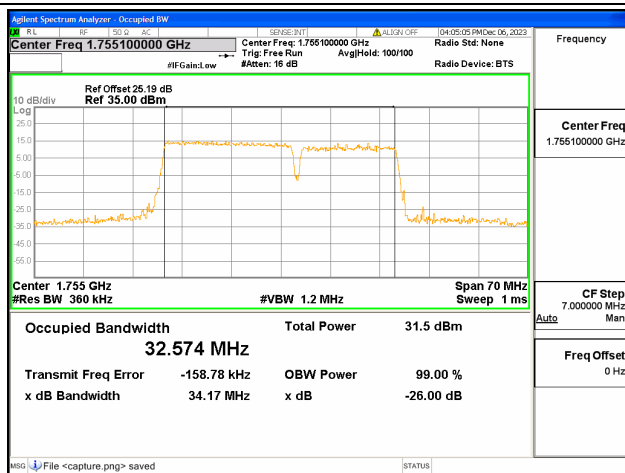
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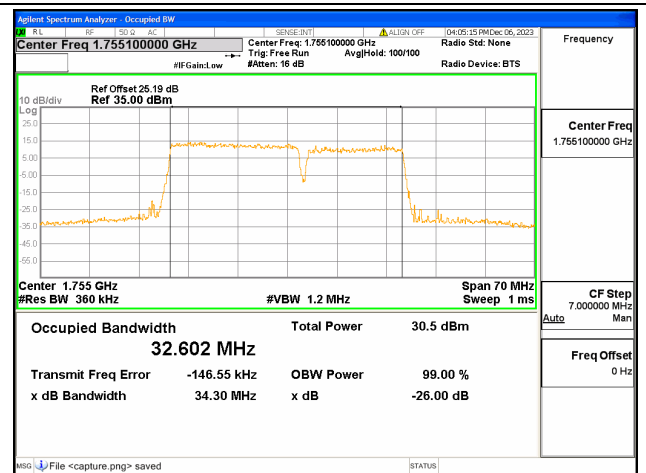
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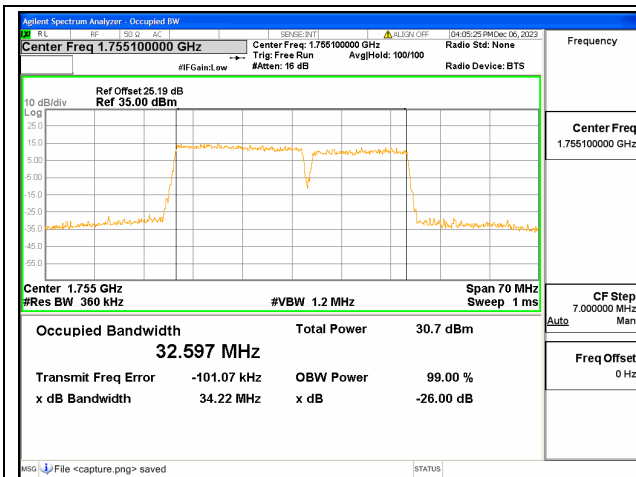
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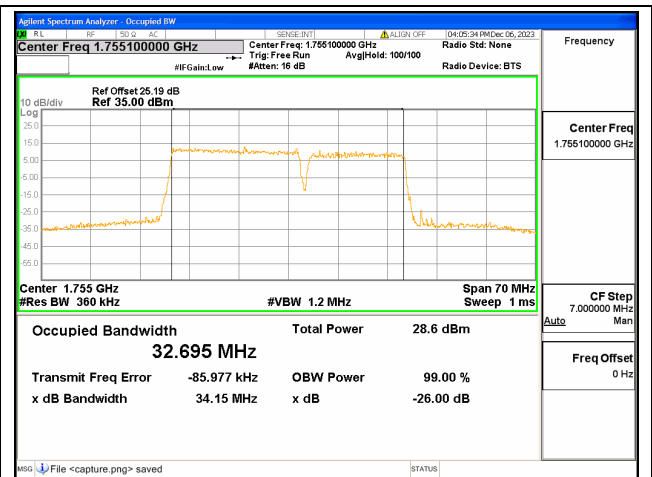
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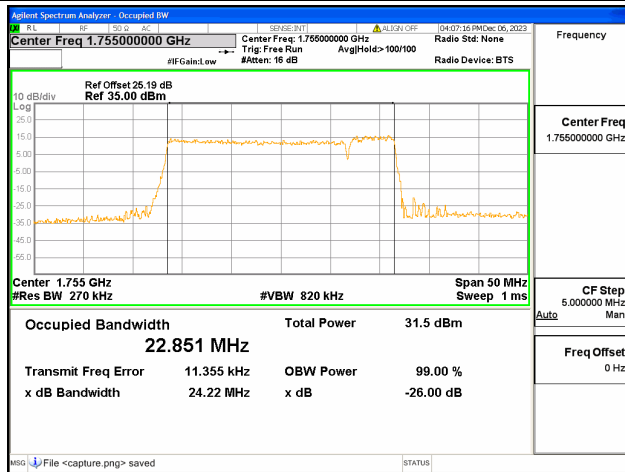
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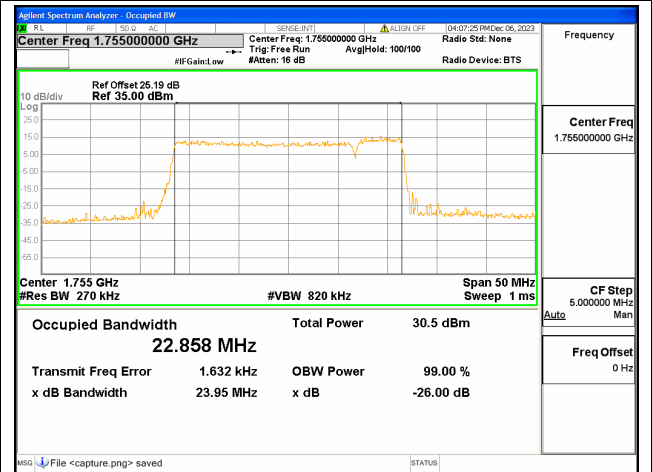
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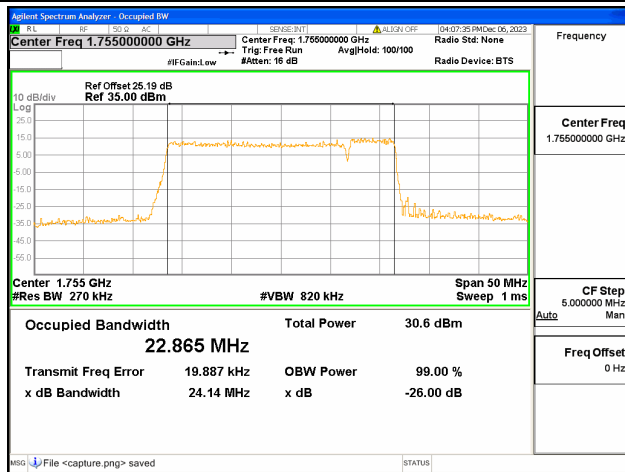
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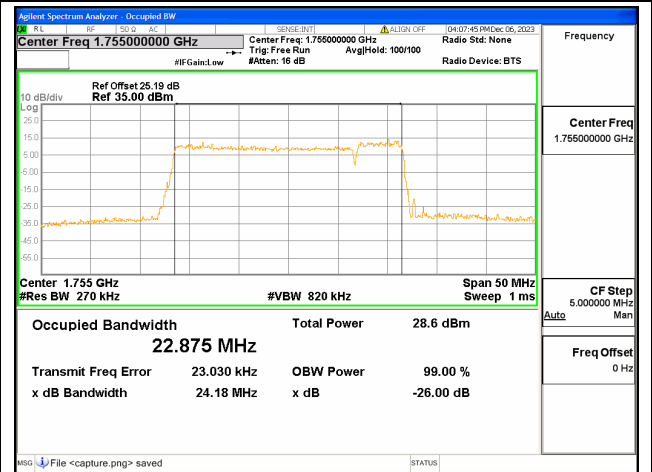
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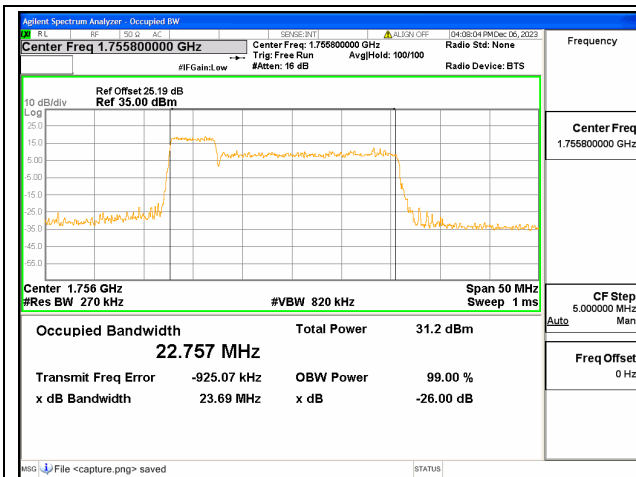
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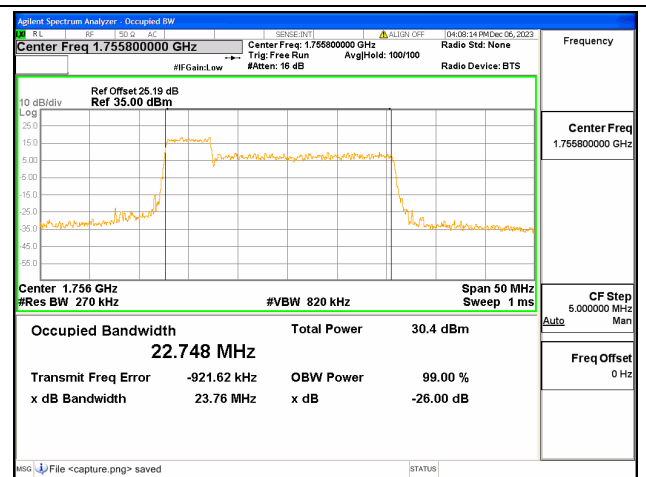
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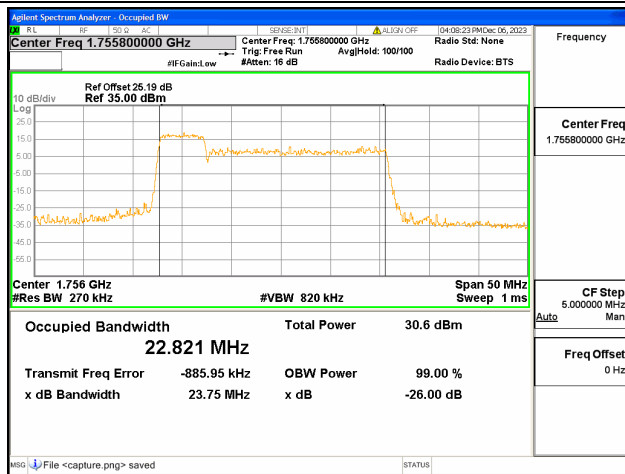
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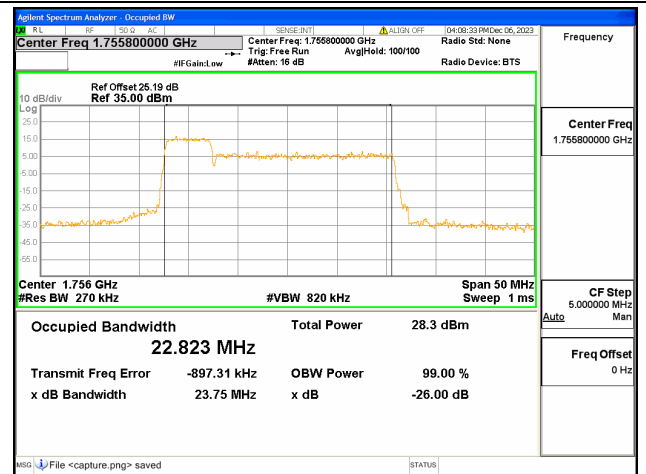
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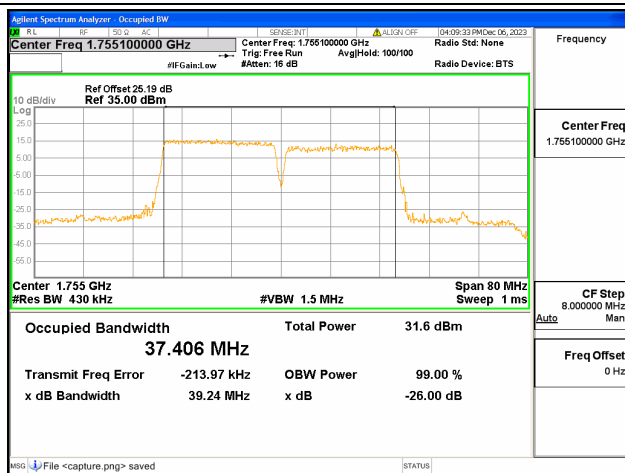
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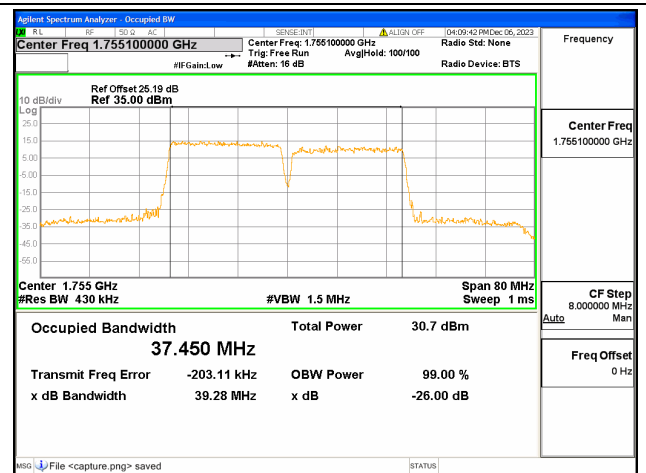
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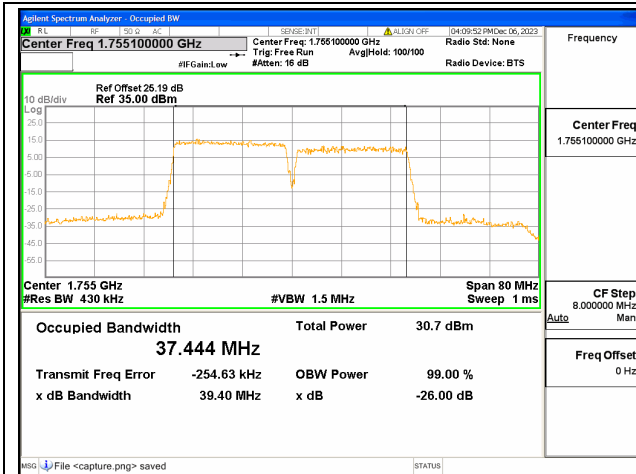
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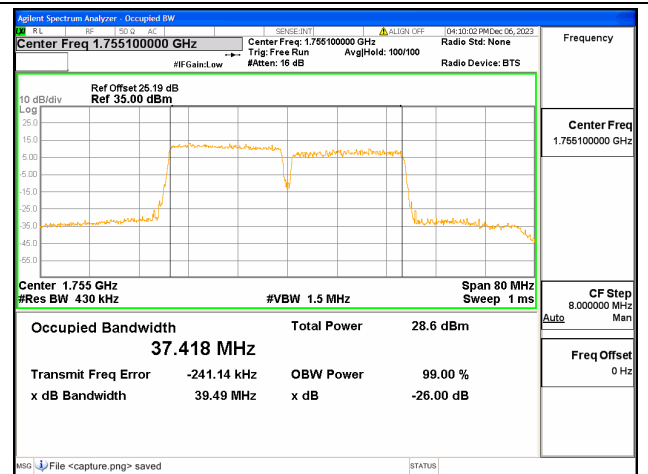
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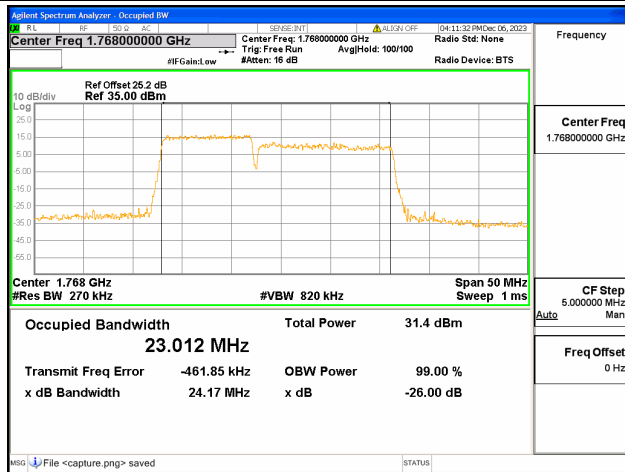
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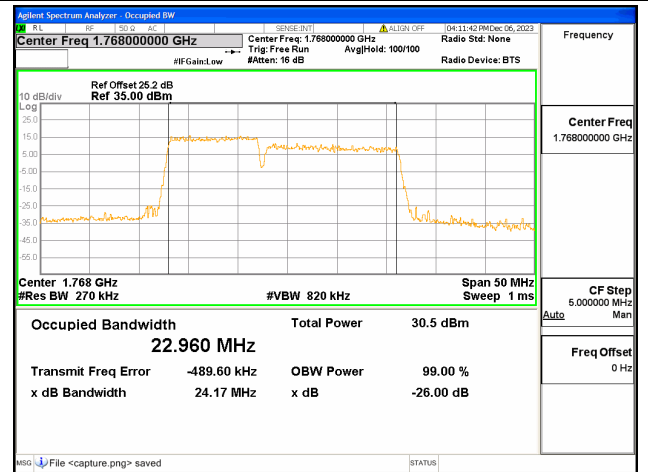
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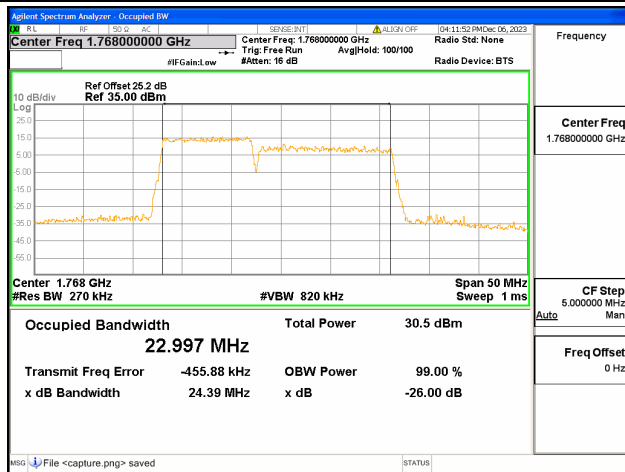
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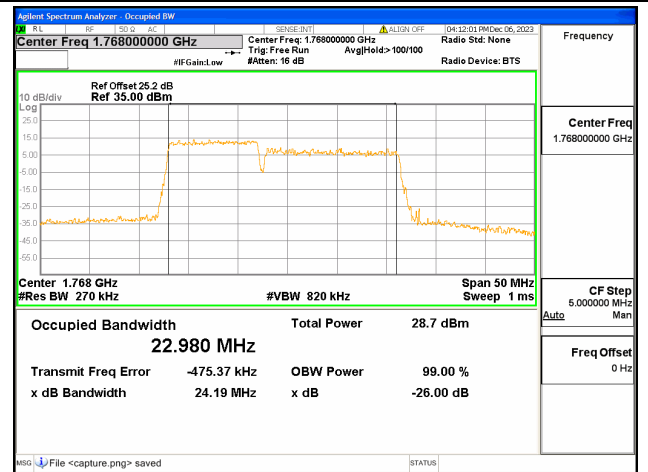
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66C / 10+15MHz / 16QAM/ High CH

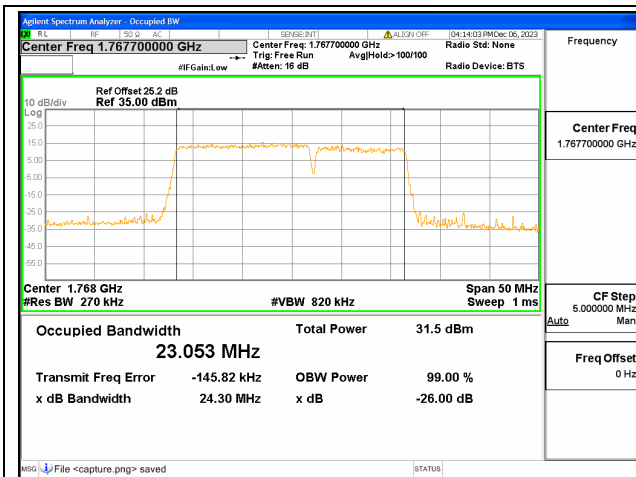


66C / 10+15MHz / 64QAM/ High CH

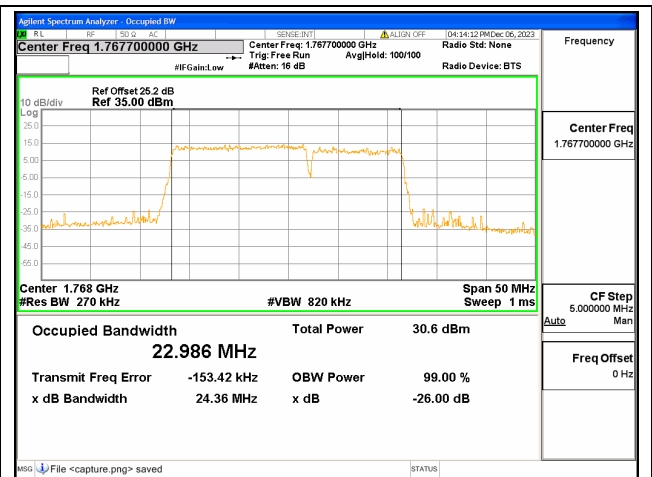


66C / 10+15MHz / 256QAM/ High CH

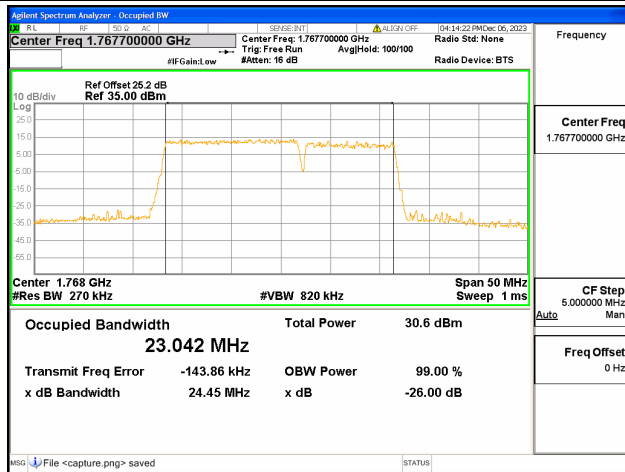




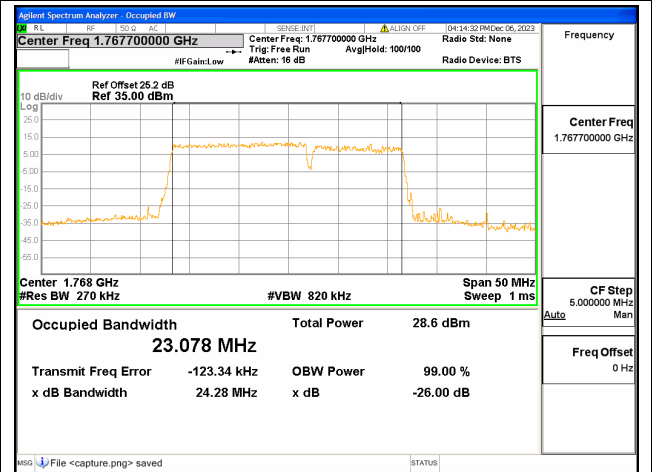
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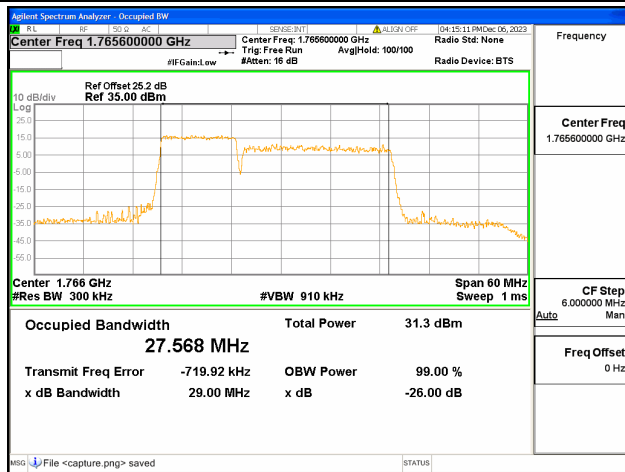
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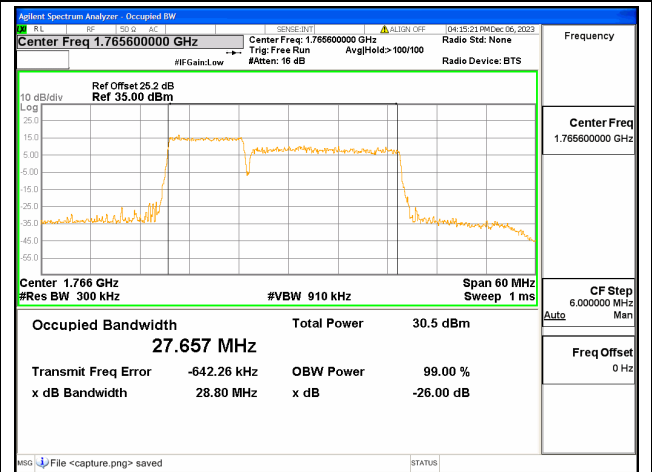
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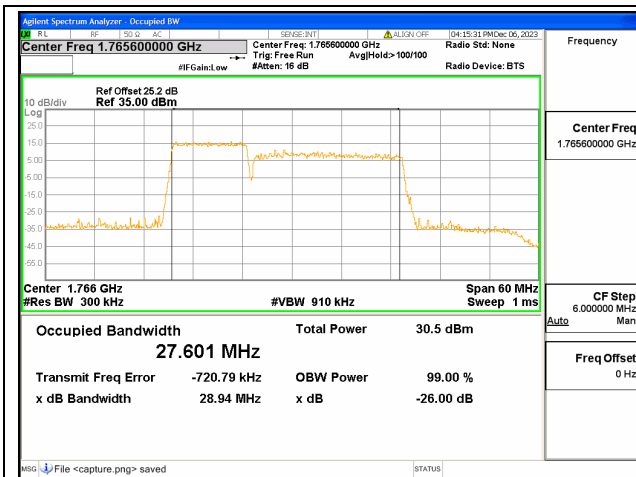
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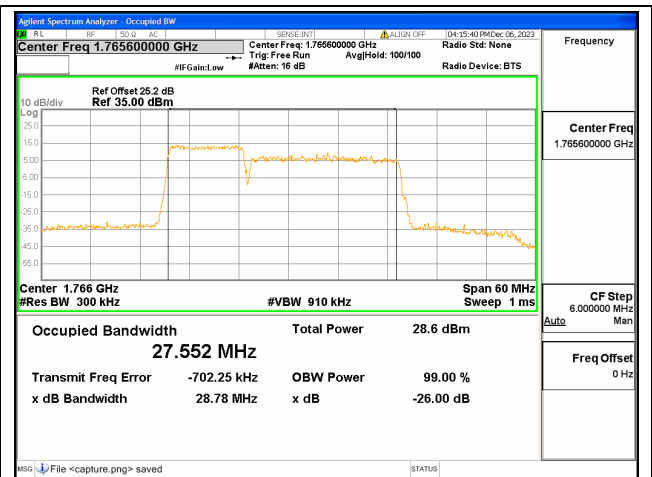
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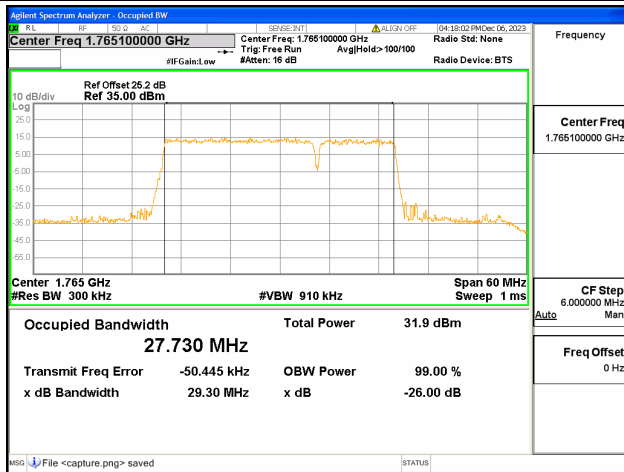
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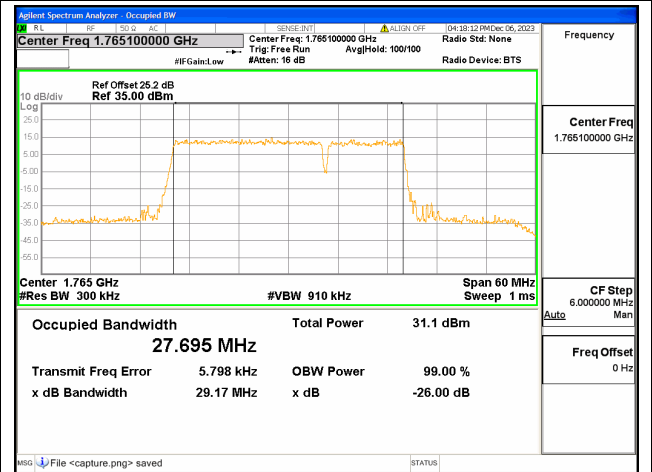
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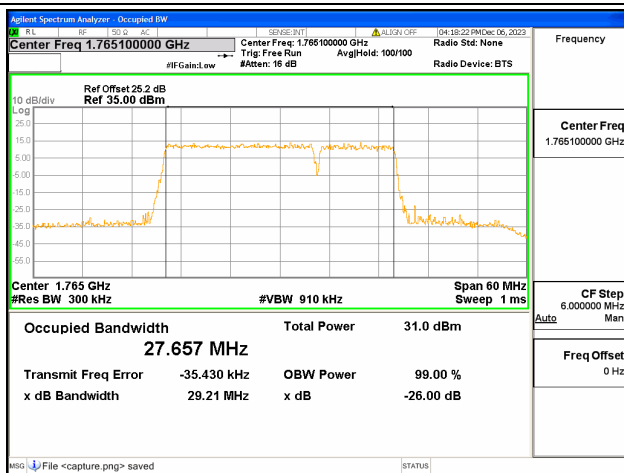
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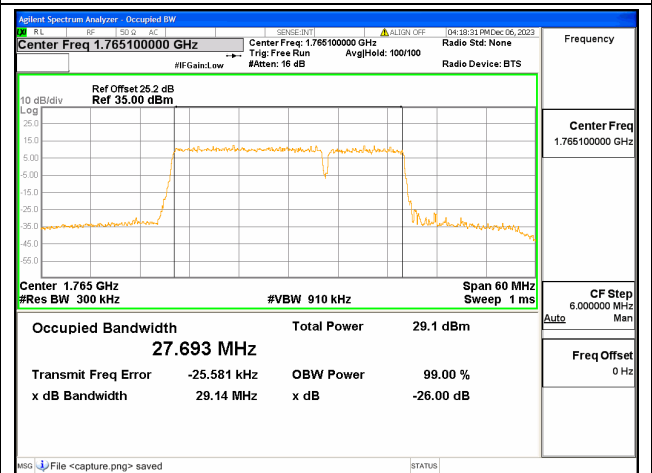
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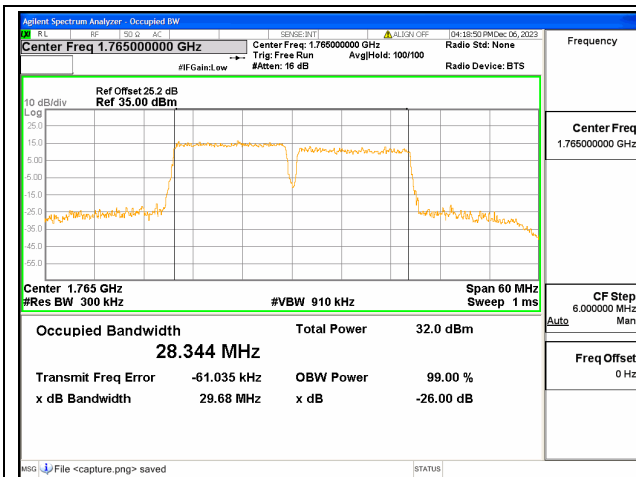
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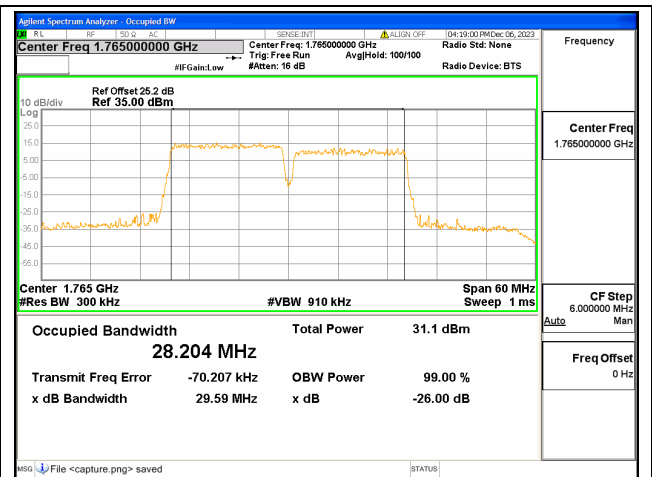
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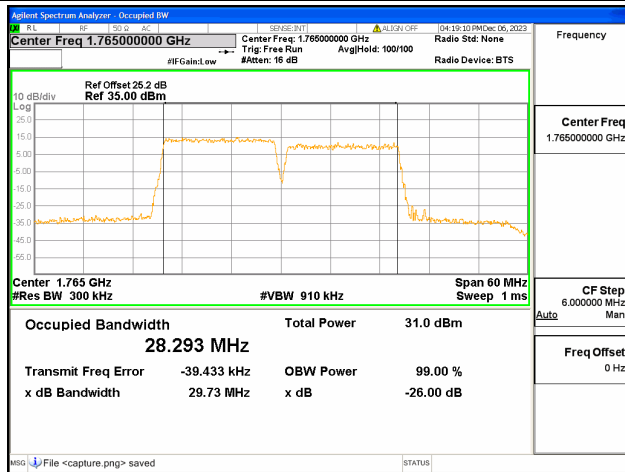
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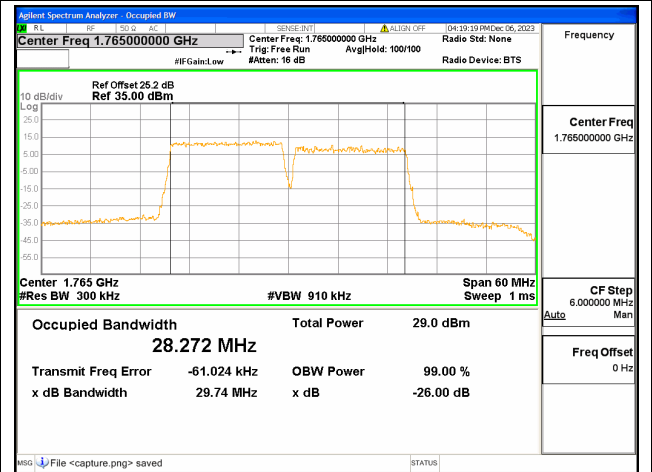
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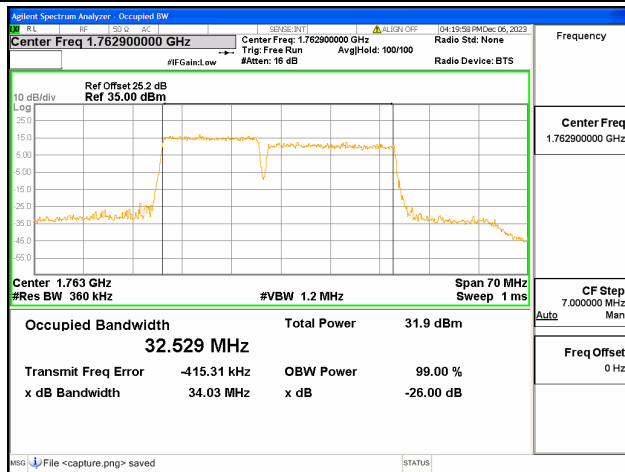
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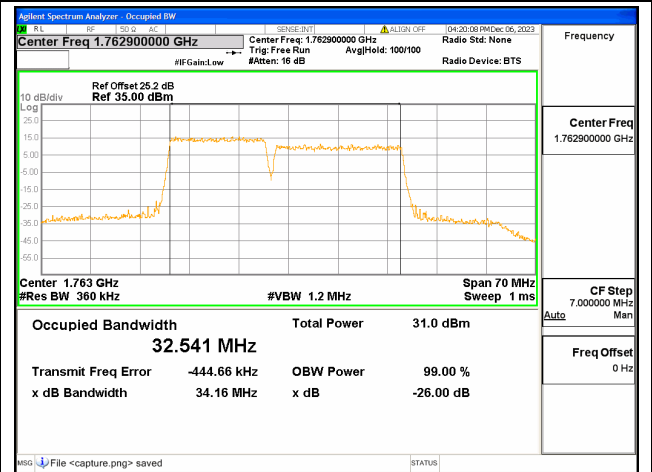
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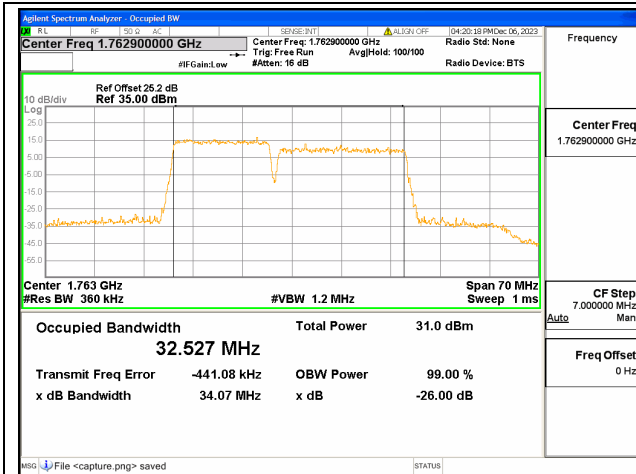
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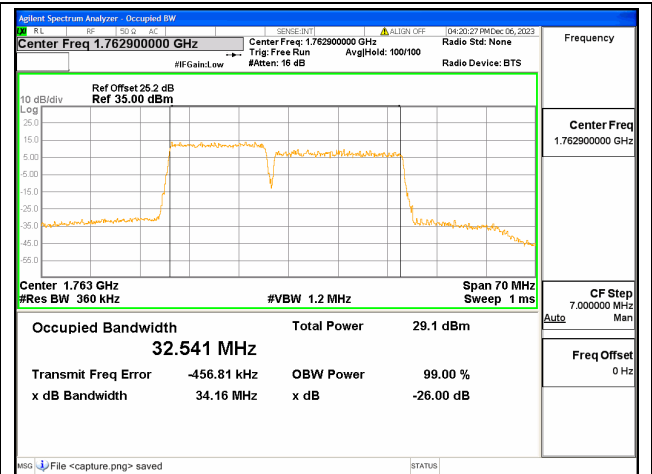
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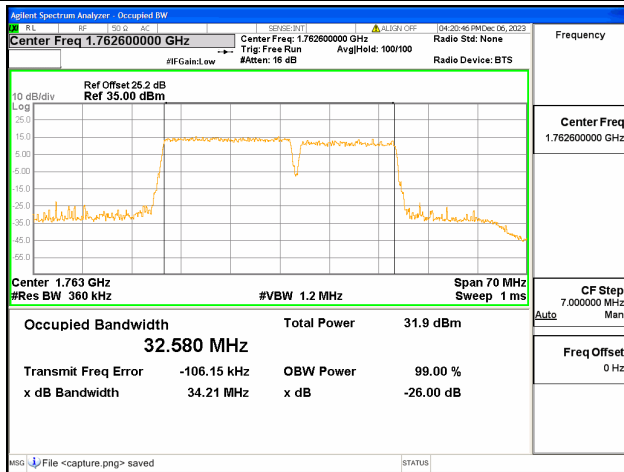
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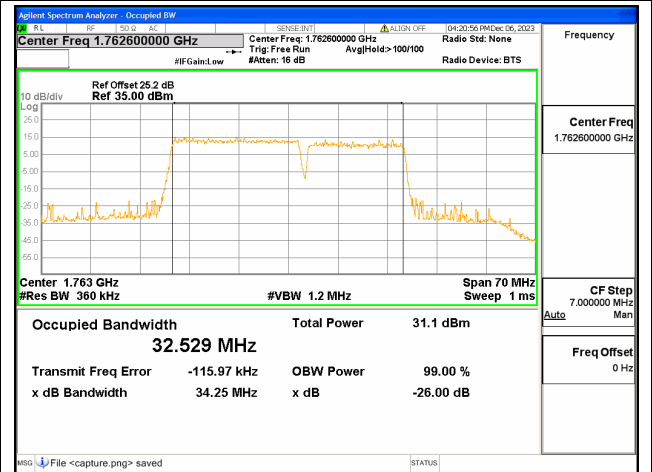
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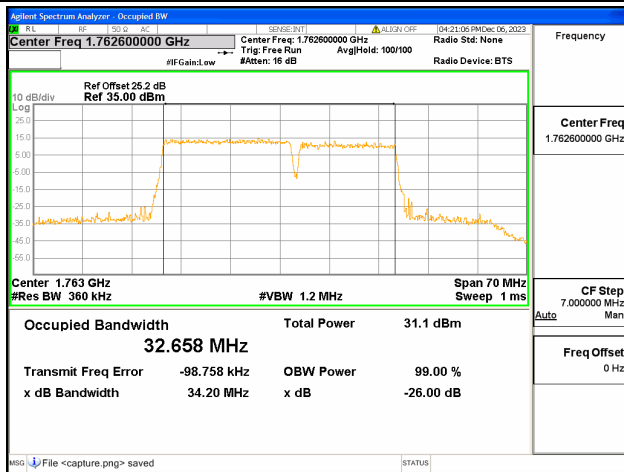
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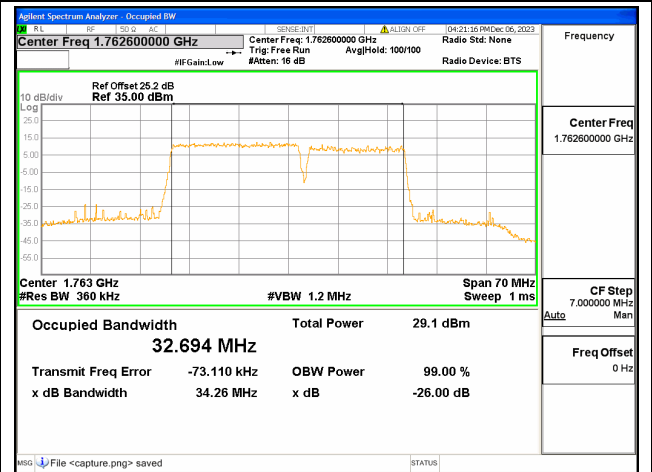
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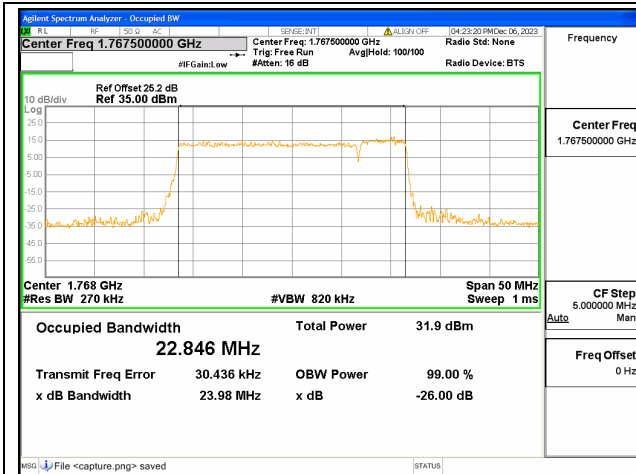
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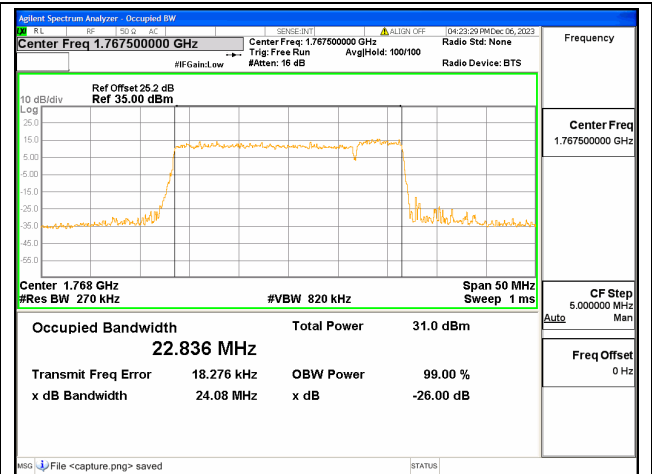
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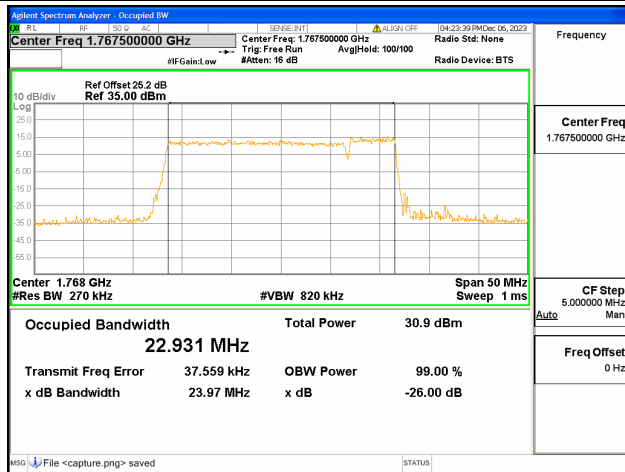
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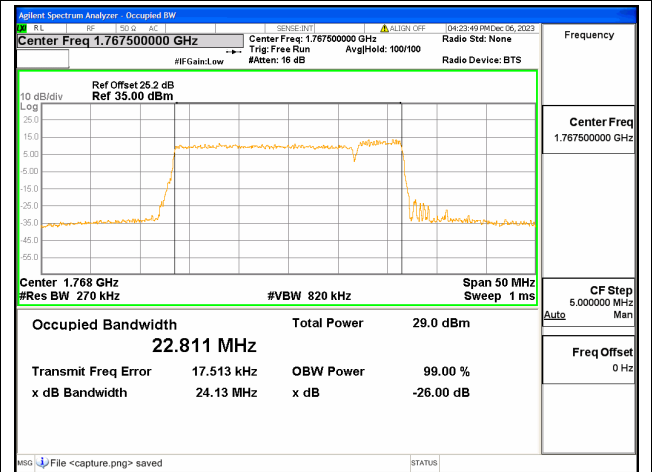
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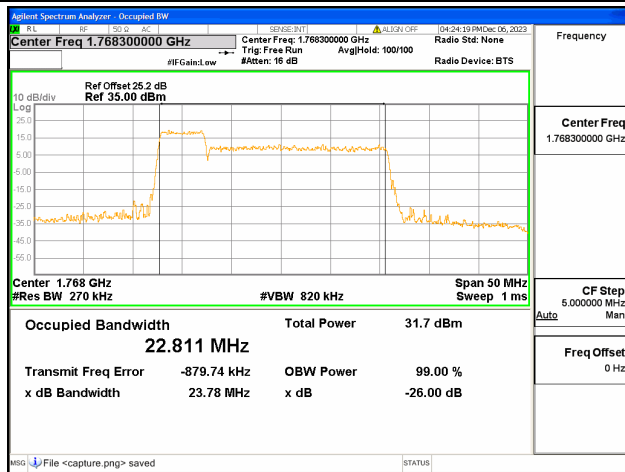
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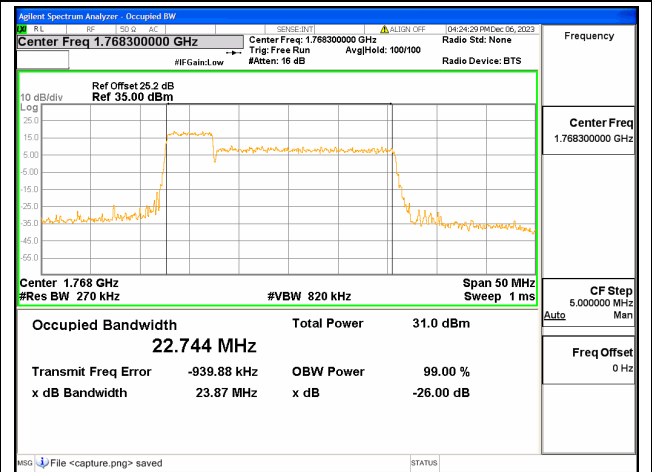
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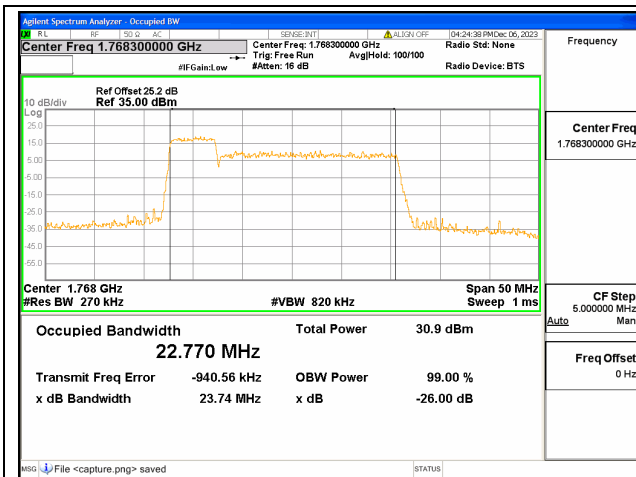
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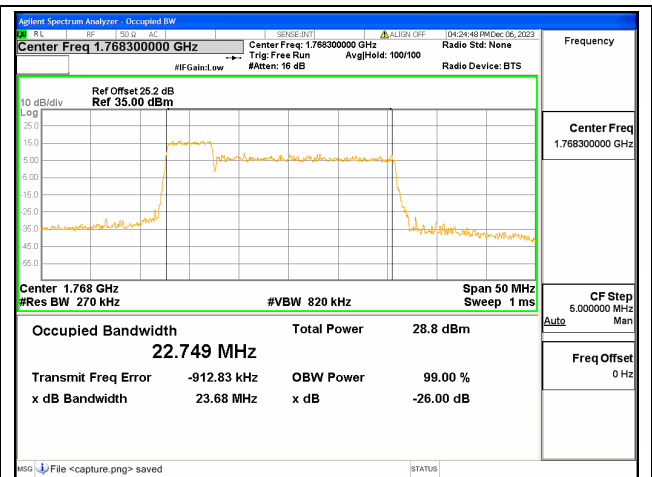
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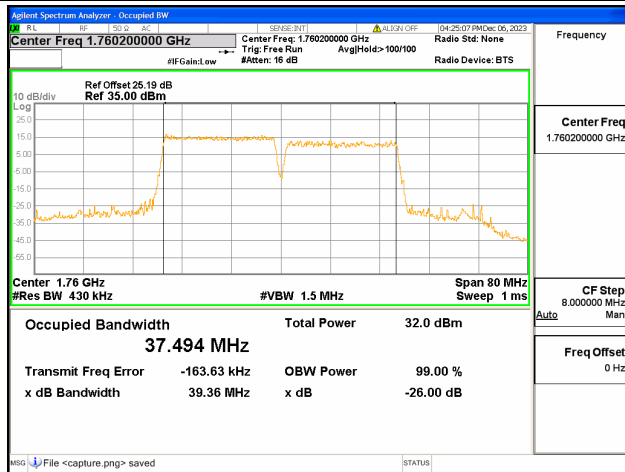
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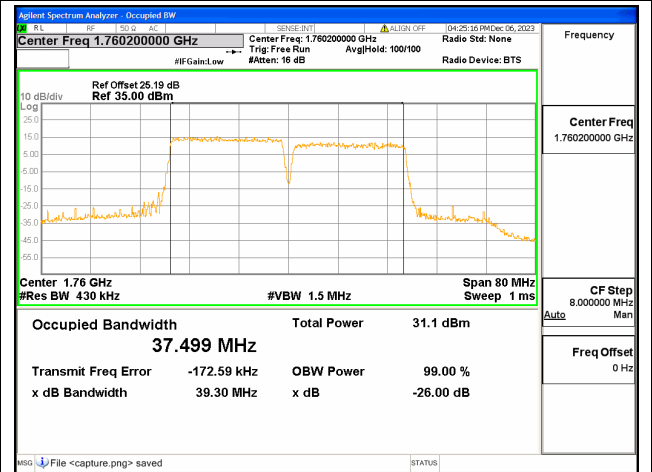
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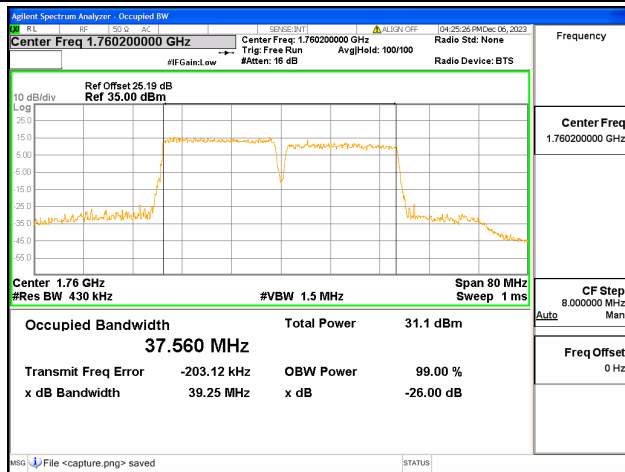
66C / 5+20MHz / 256QAM/ High CH



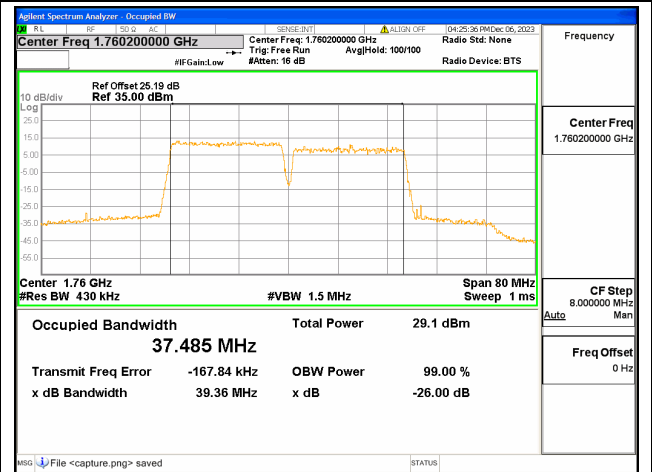
66C / 20+20MHz / QPSK/ High CH



66C / 20+20MHz / 16QAM/ High CH



66C / 20+20MHz / 64QAM/ High CH



66C / 20+20MHz / 256QAM/ High CH



## 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 2:

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 4/66:

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log_{10}(P)$  dB. This calculated to be -13dBm.

Additional requirement for LTE Band 5:

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:

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.

Additional requirement for LTE Band 12:

For operations in the 600 MHz band and the 698–746 MHz band, the power of any emission outside a 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, by at least  $43 + 10 \log(P)$  dB. This calculated to be -13dBm.

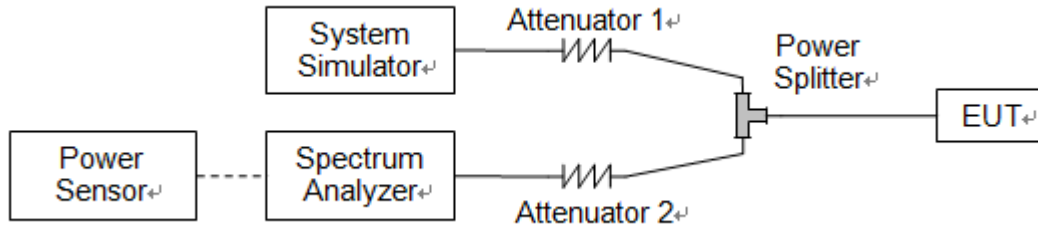
Additional requirement for LTE Band 13

According to FCC section 27.53(c)(2), 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 in a 100kHz bandwidth. 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. This calculated to be -13dBm.

Additional requirement for LTE Band 48:

According to FCC section 96.41(e), the conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed  $-40\text{dBm/MHz}$ .

### 2.3.2. Test Description



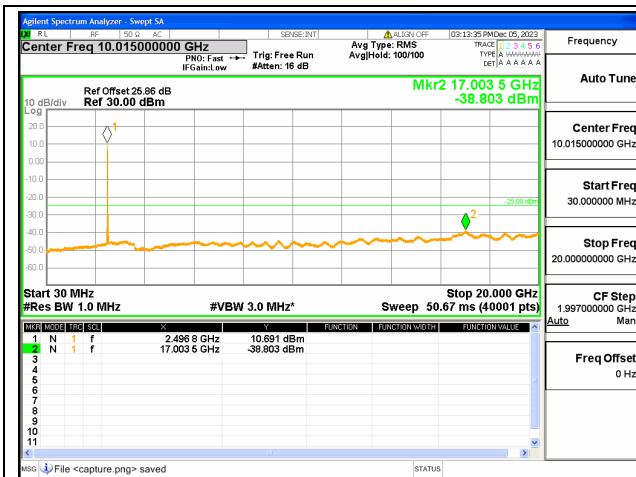
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum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

### 2.3.3. Test Procedure

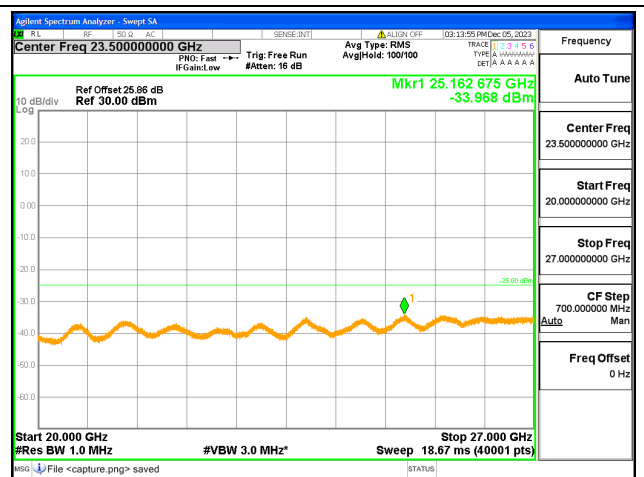
KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.

### 2.3.4. Test Result

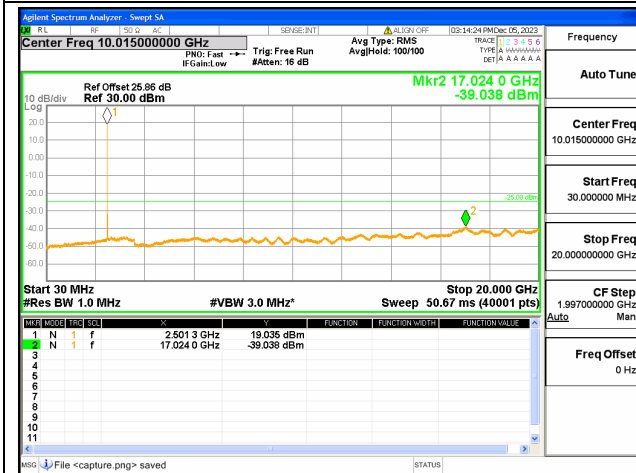




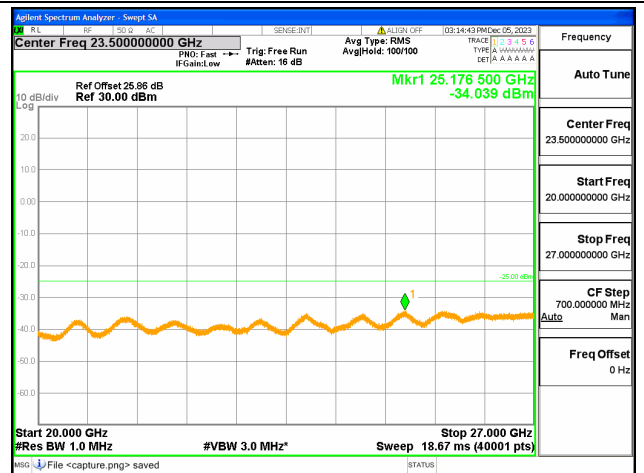
41C-30M-20G / 5+20MHz / QPSK / Low CH / 1@0-1@99



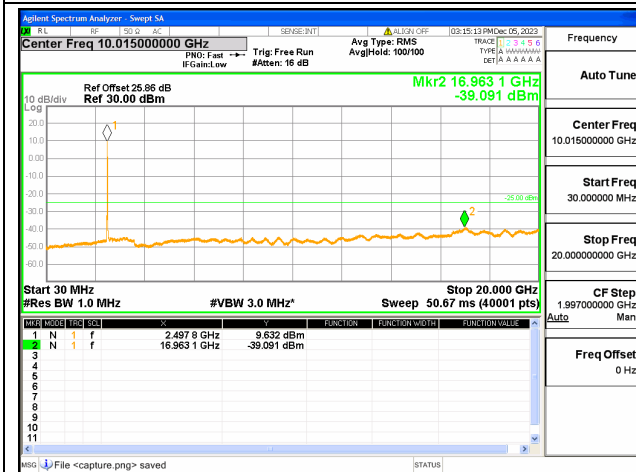
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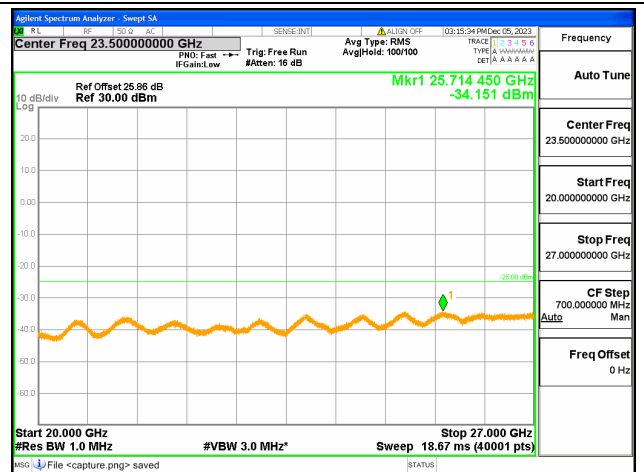
41C-30M-20G / 5+20MHz / QPSK / Low CH / 1@24-1@0



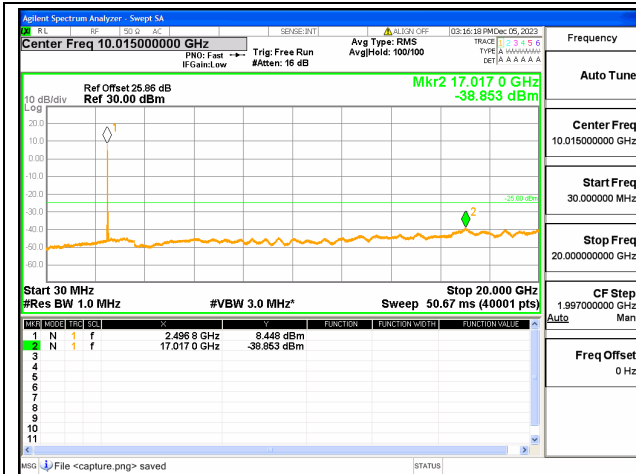
41C-20G-27G / 5+20MHz / QPSK / Low CH / 1@24-1@0



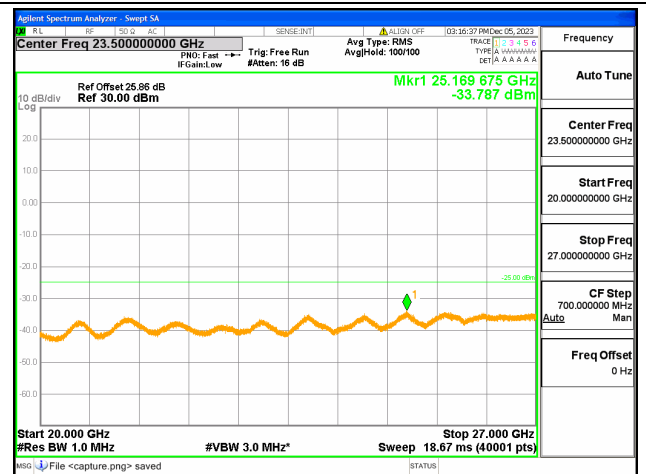
41C-30M-20G / 5+20MHz / QPSK / Low CH / 25@0-100@0



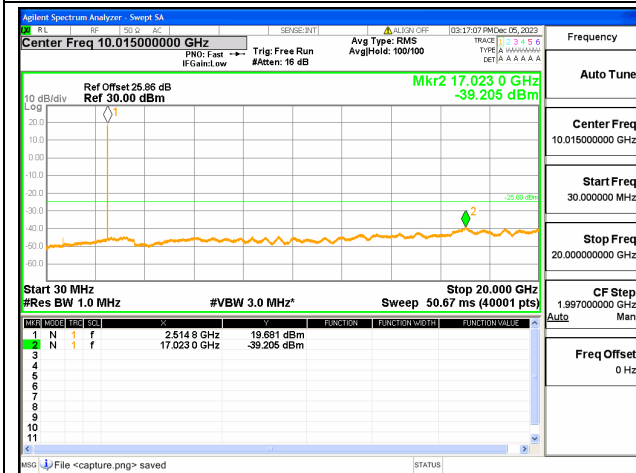
41C-20G-27G / 5+20MHz / QPSK / Low CH / 25@0-100@0



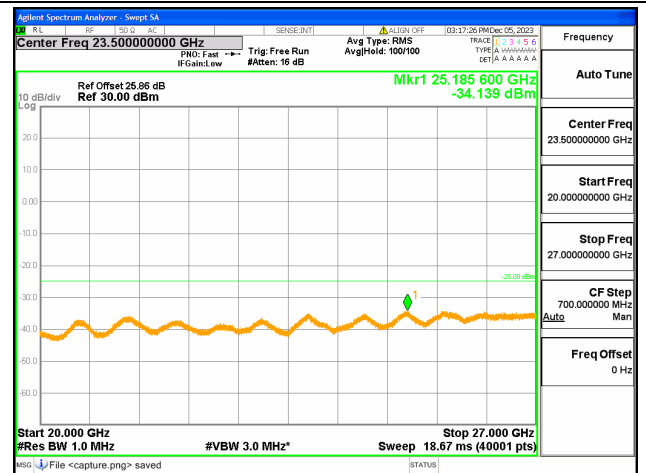
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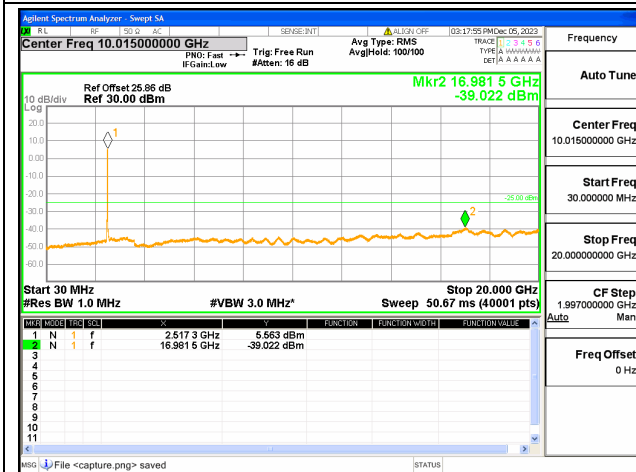
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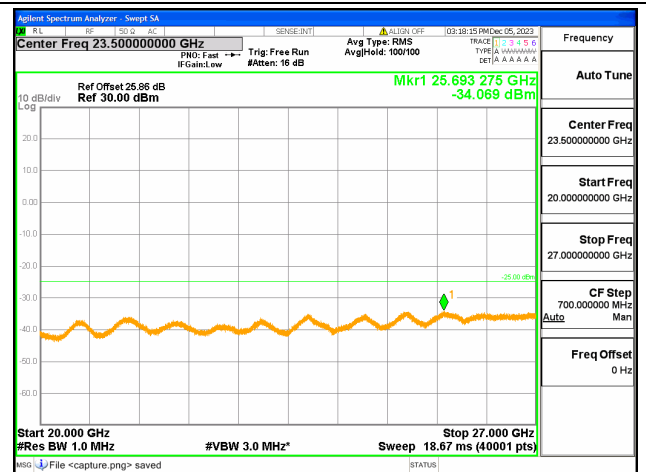
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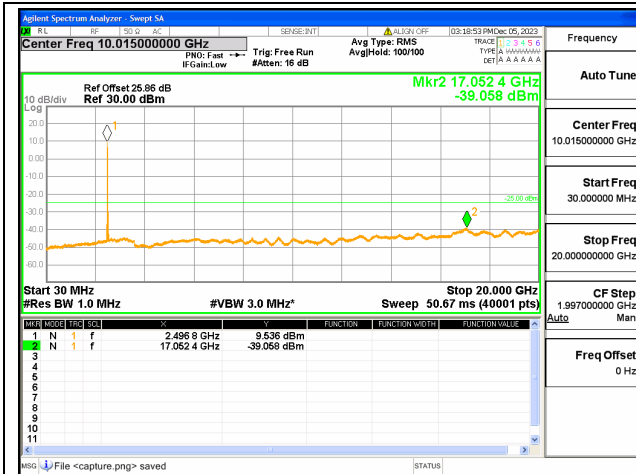
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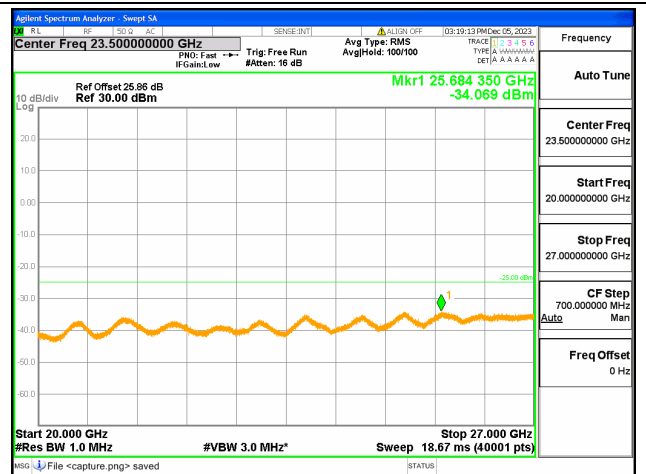
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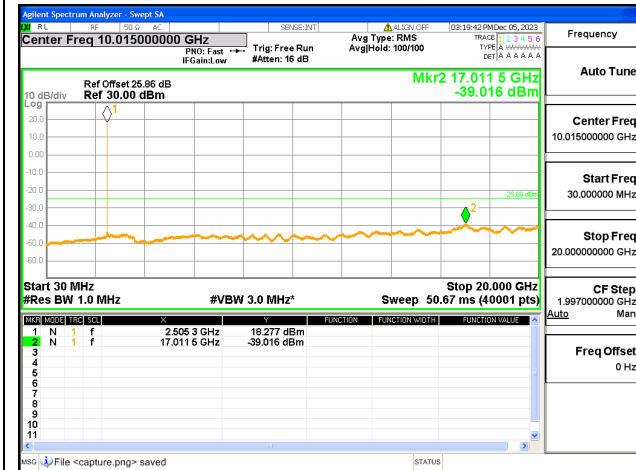
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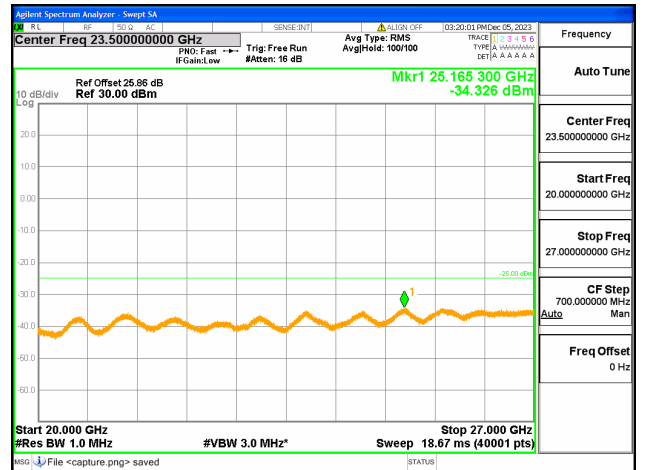
41C-30M-20G / 10+15MHz / QPSK / Low CH / 1@0-1@74



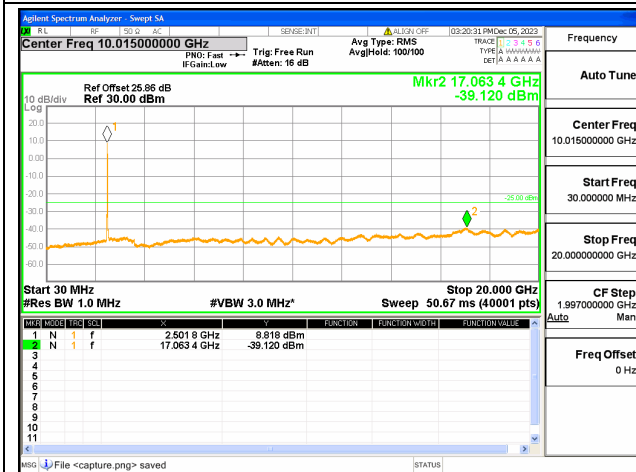
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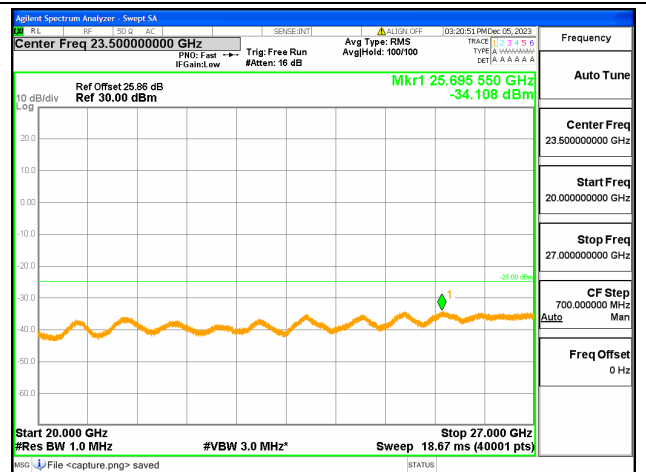
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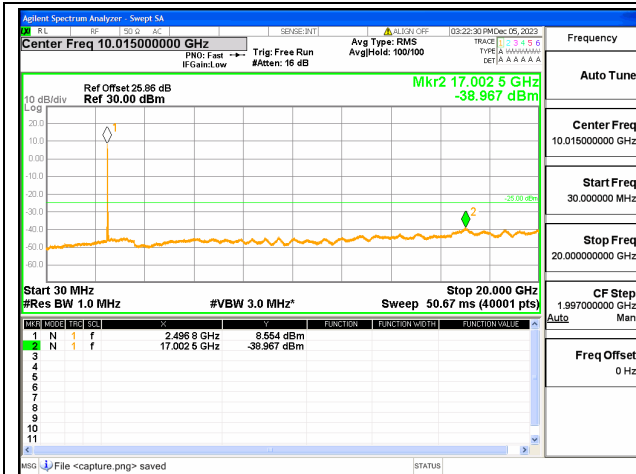
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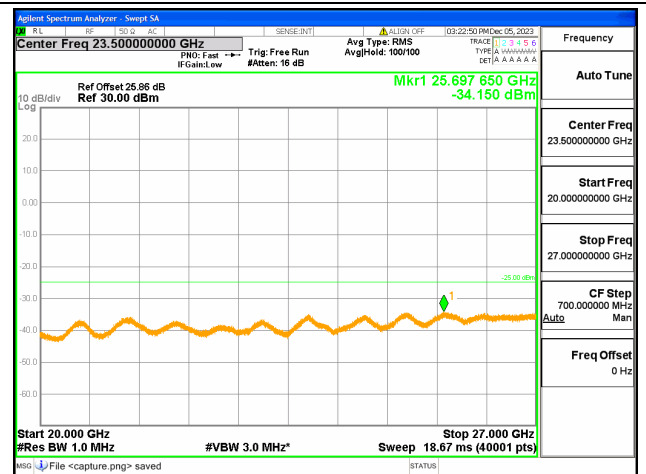
41C-30M-20G / 10+15MHz / QPSK / Low CH / 50@0-75@0



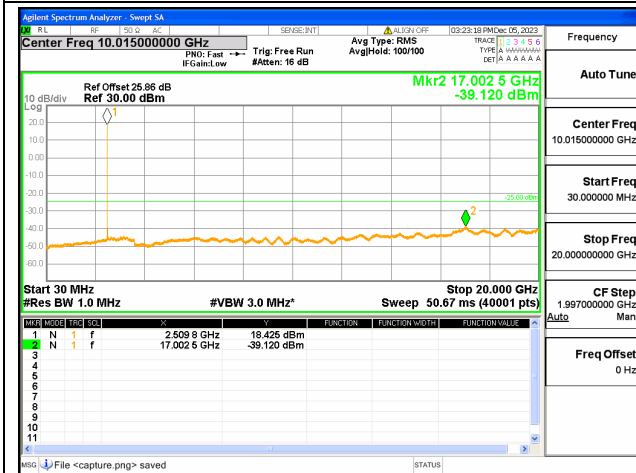
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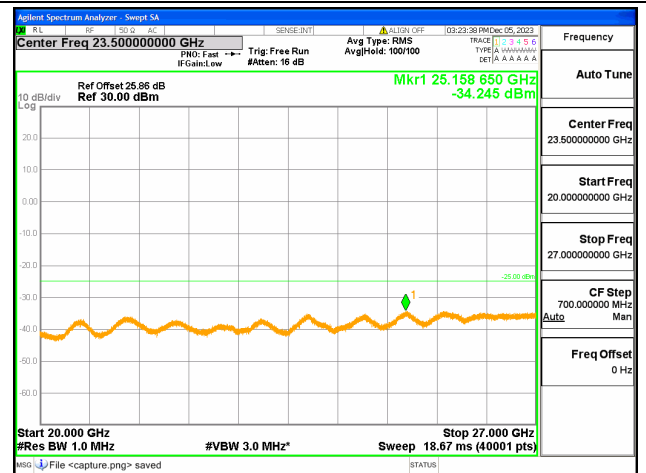
41C-30M-20G / 15+10MHz / QPSK / Low CH / 1@0-1@49



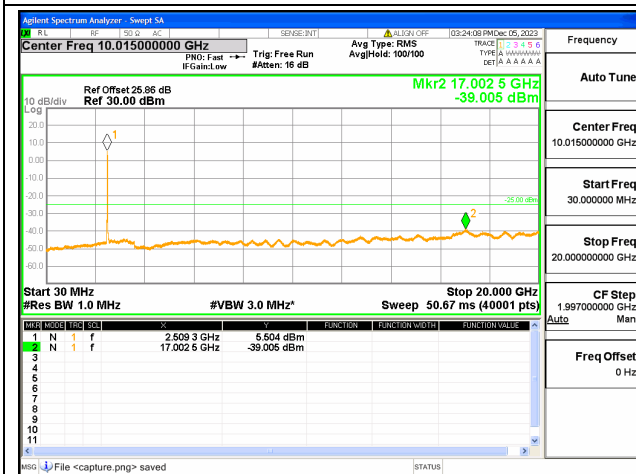
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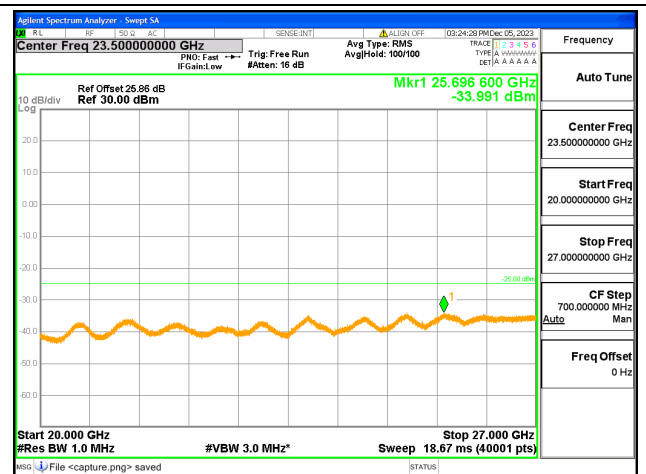
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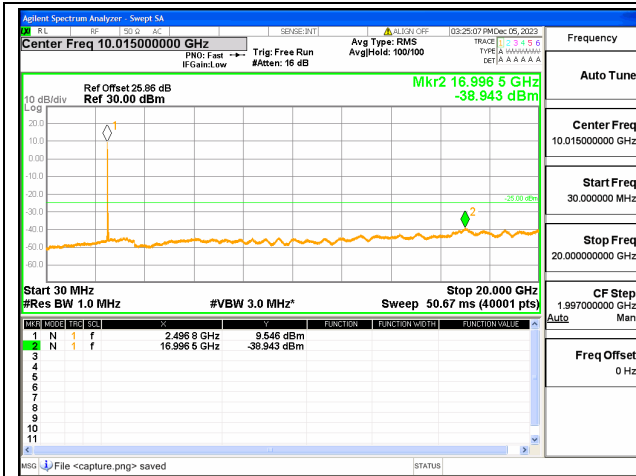
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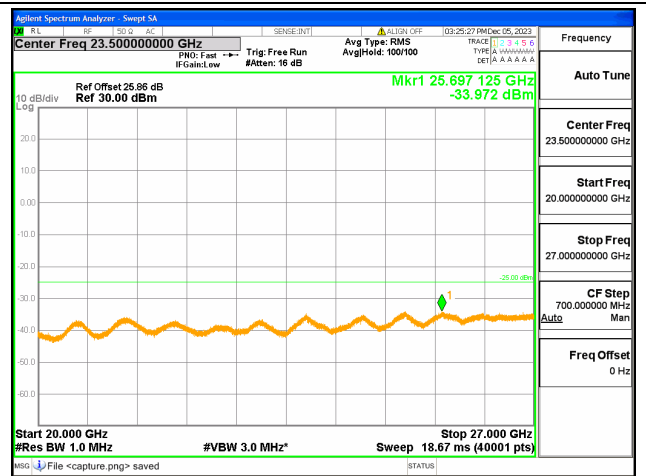
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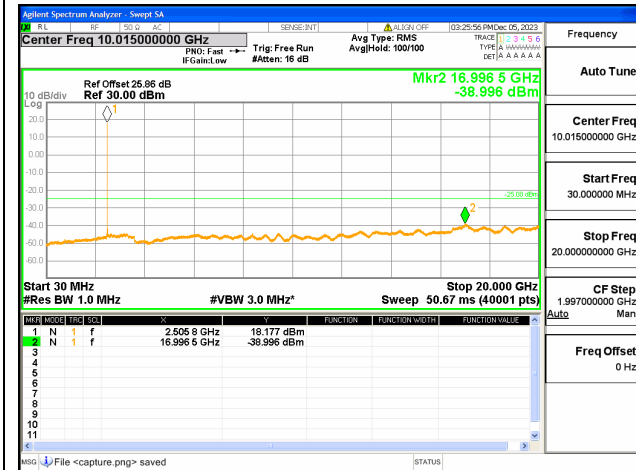
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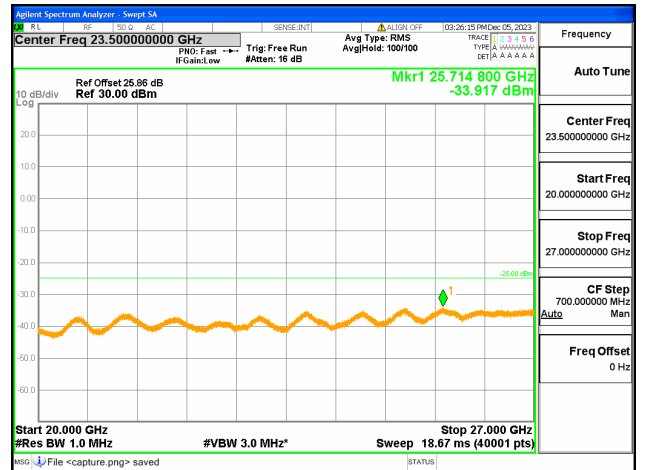
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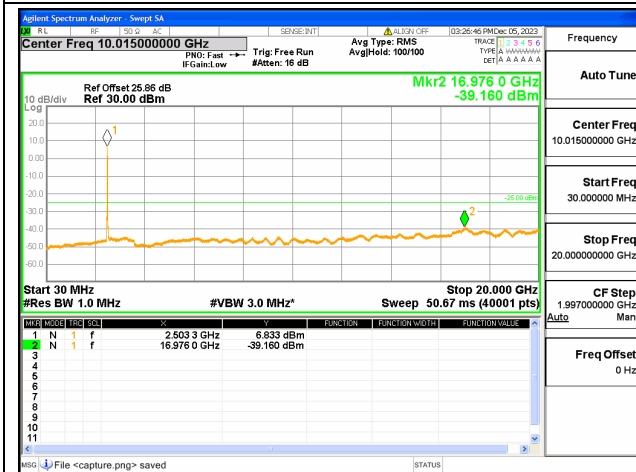
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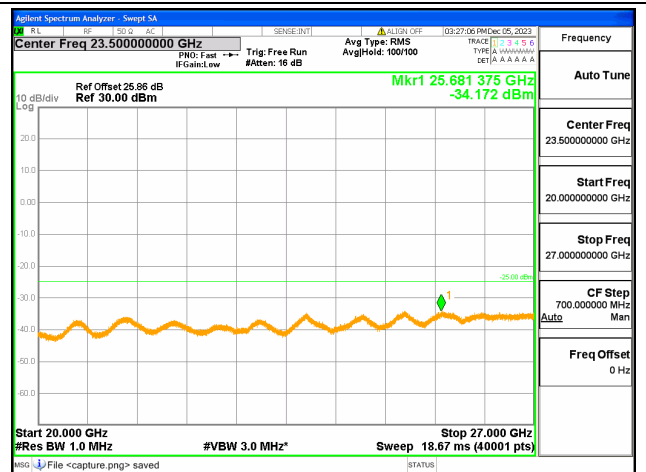
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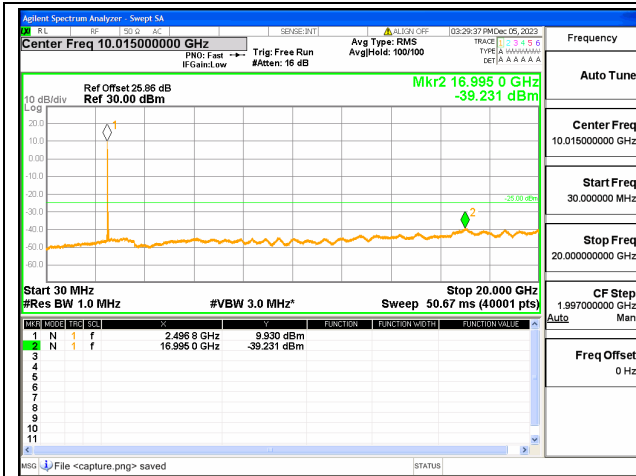
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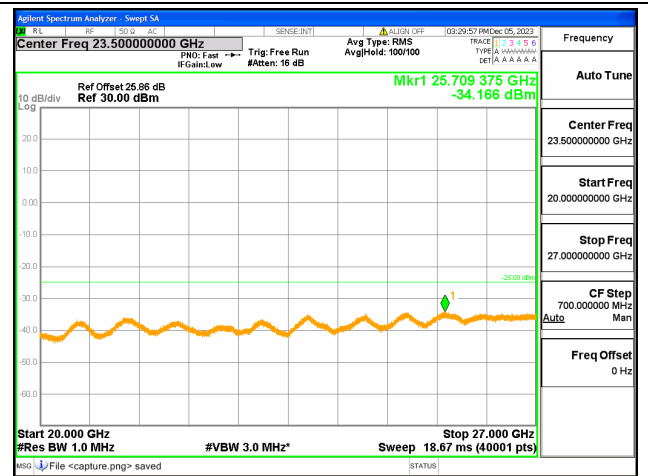
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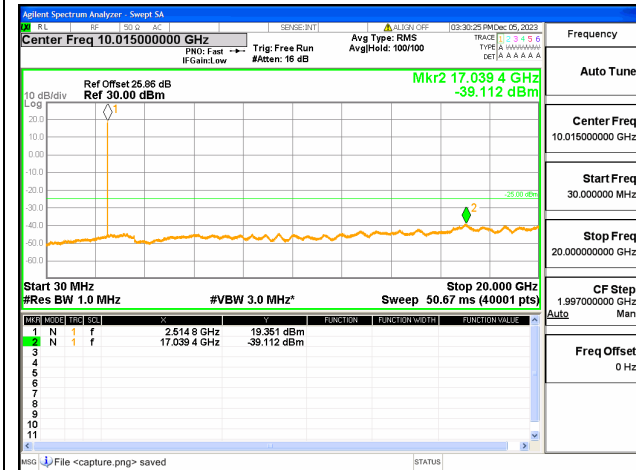
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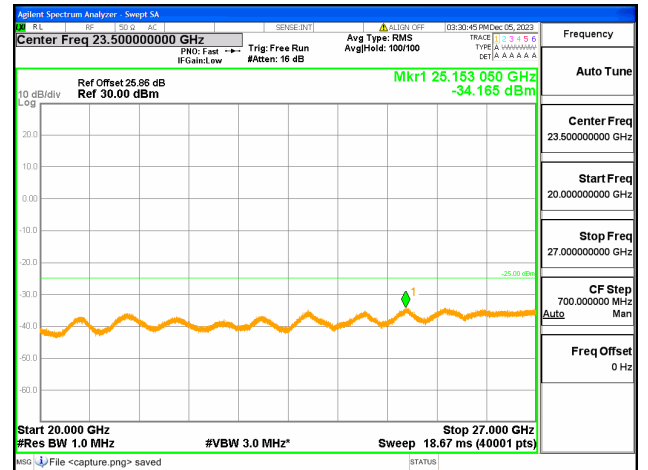
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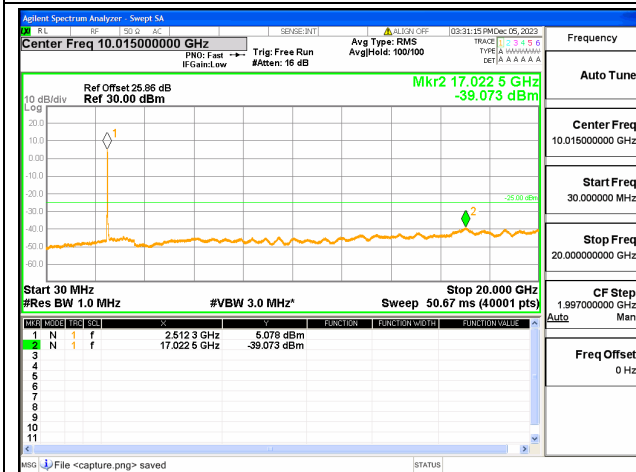
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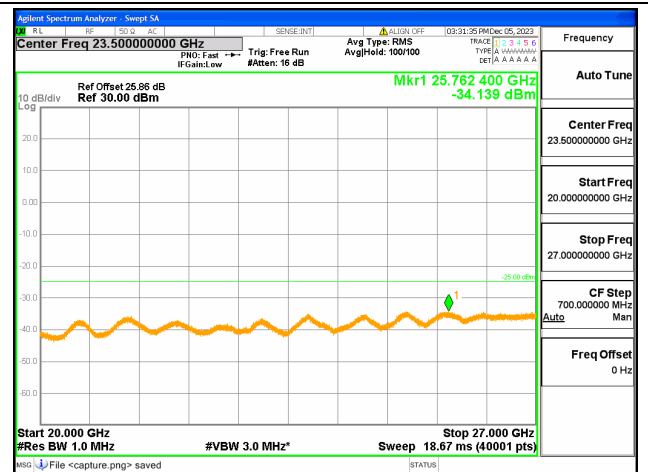
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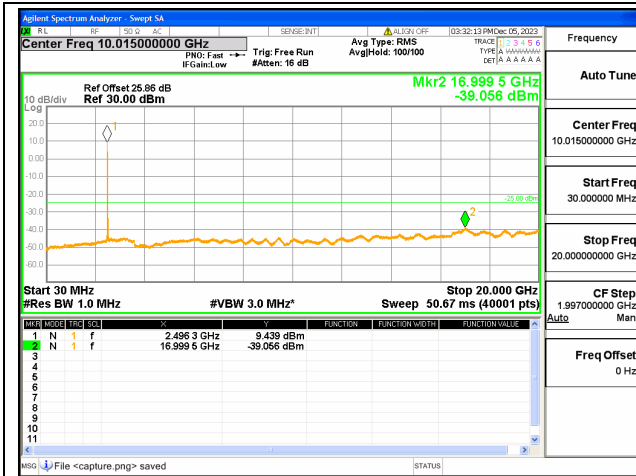
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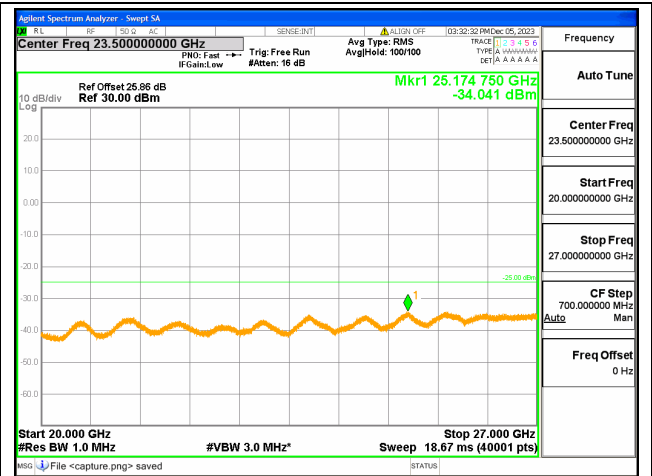
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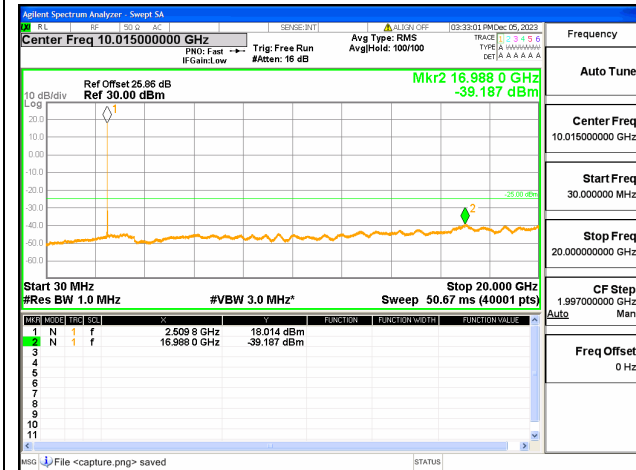
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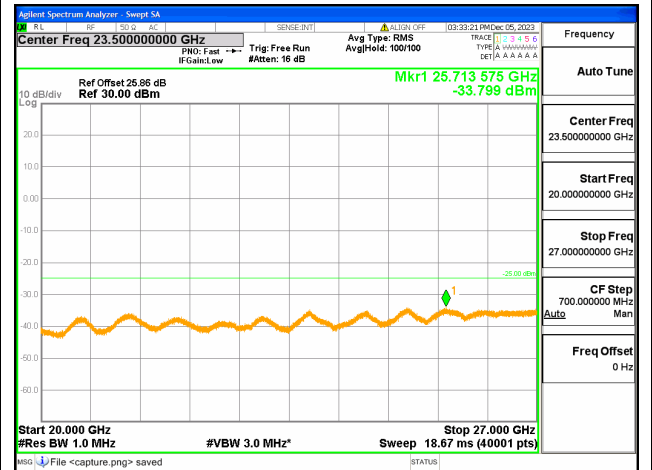
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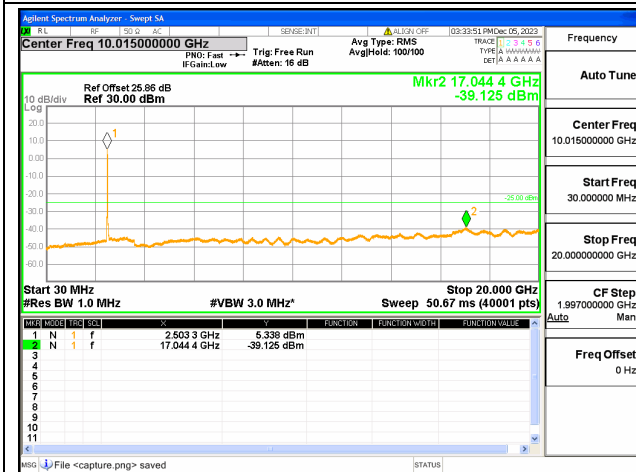
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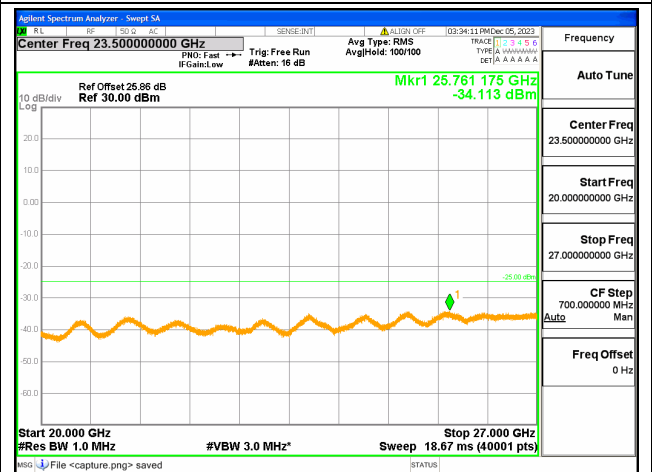
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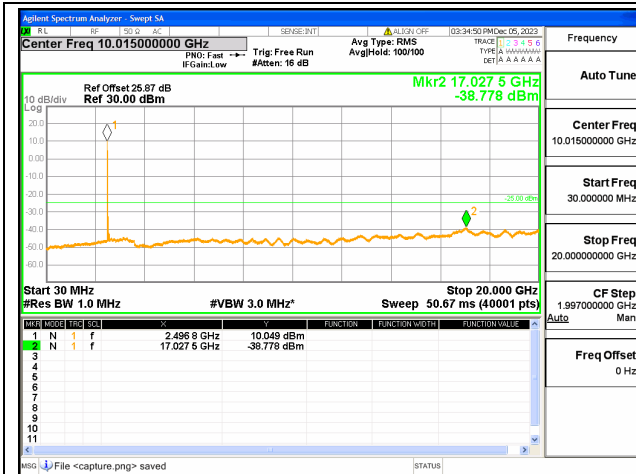
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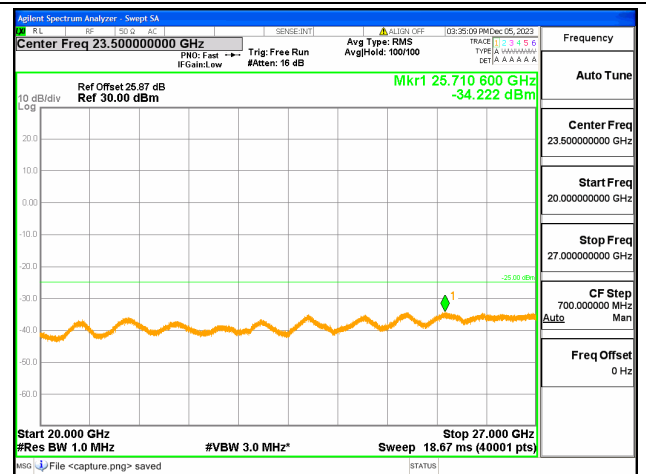
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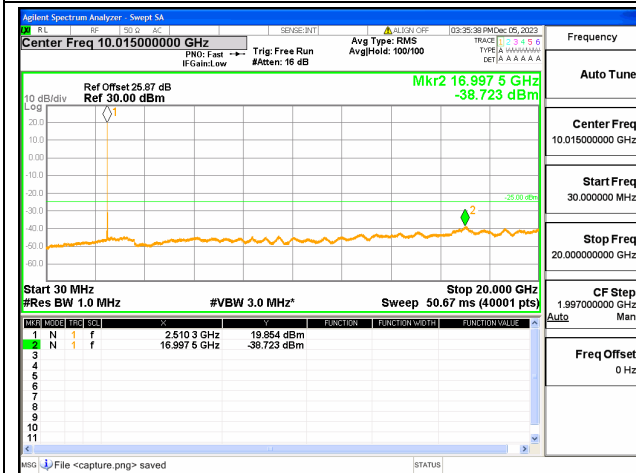
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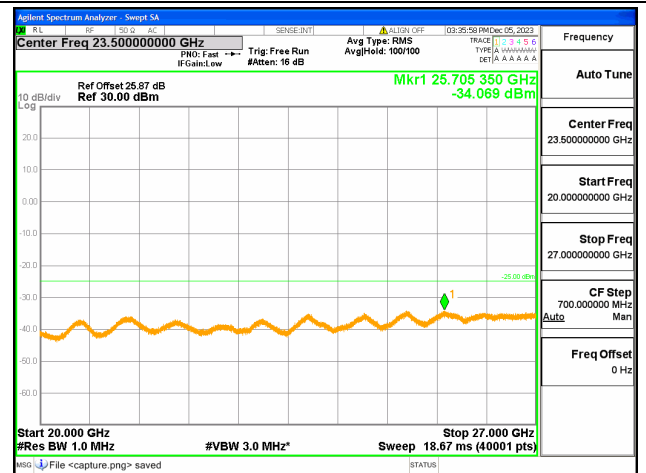
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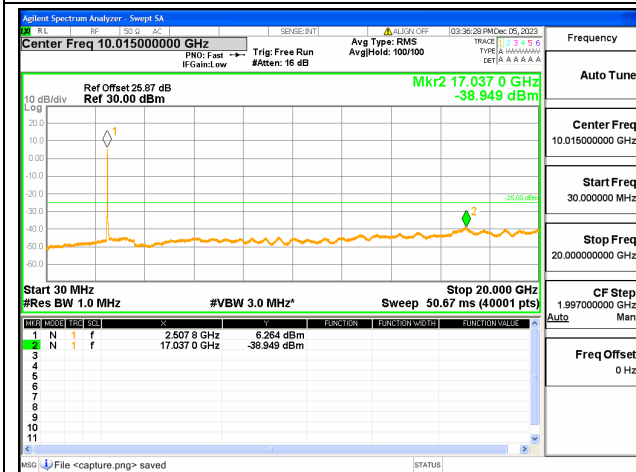
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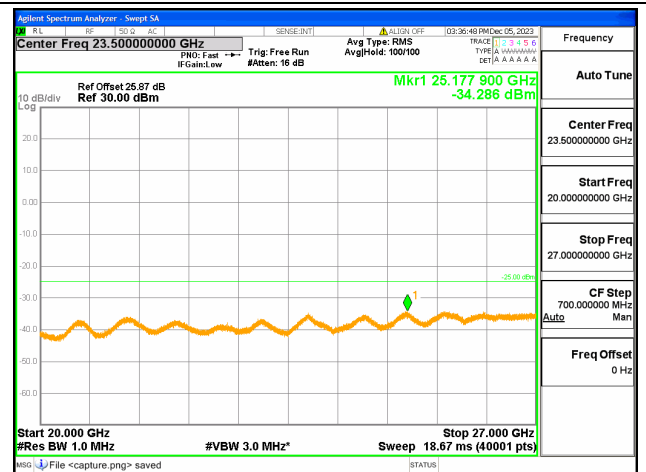
41C-30M-20G / 15+20MHz / QPSK / Low CH / 1@74-1@0



41C-20G-27G / 15+20MHz / QPSK / Low CH / 1@74-1@0

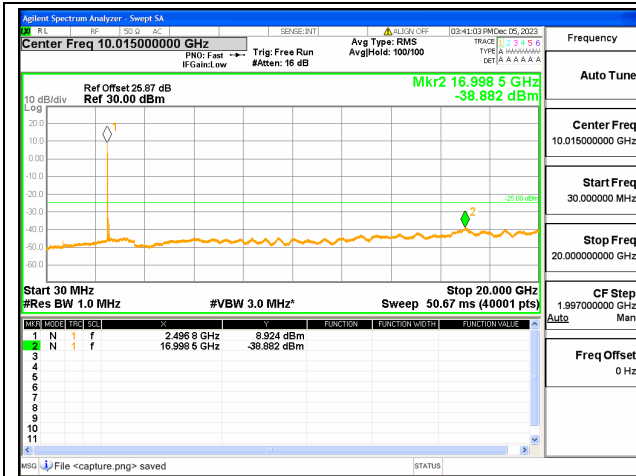


41C-30M-20G / 15+20MHz / QPSK / Low CH / 75@0-100@0

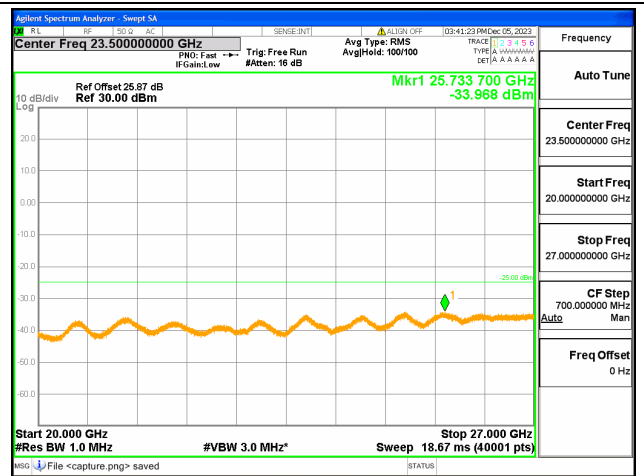


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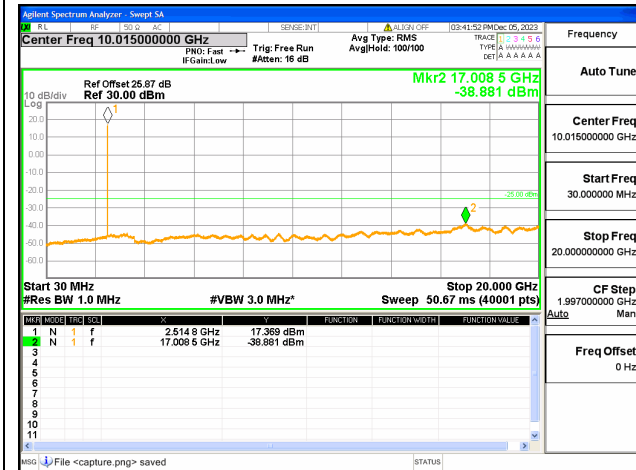




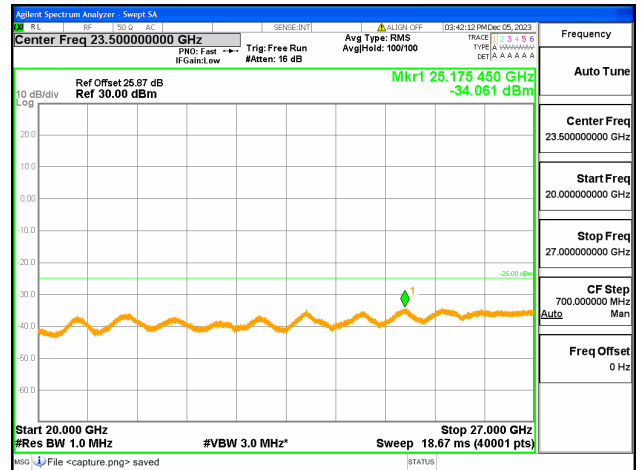
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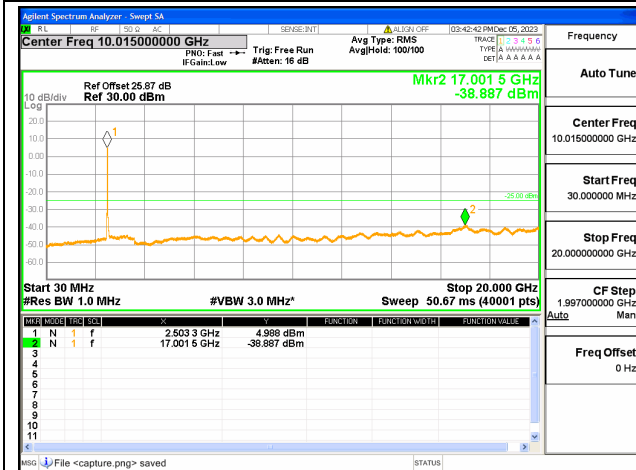
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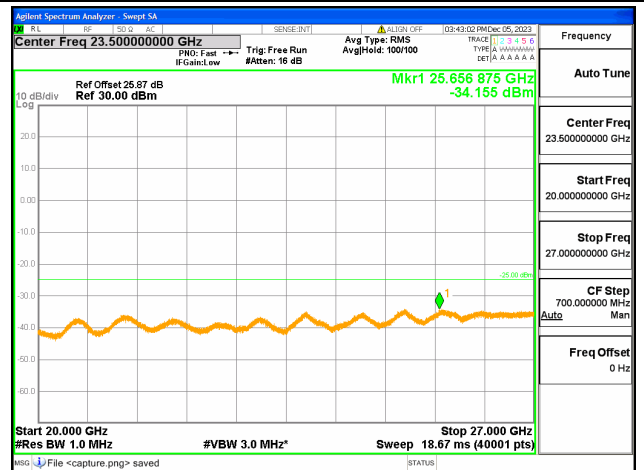
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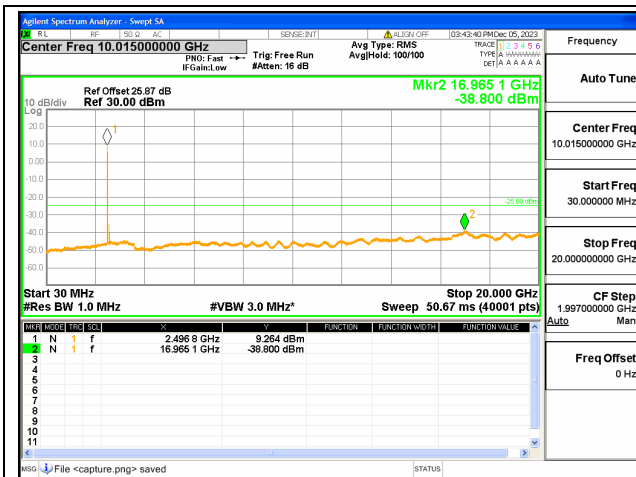
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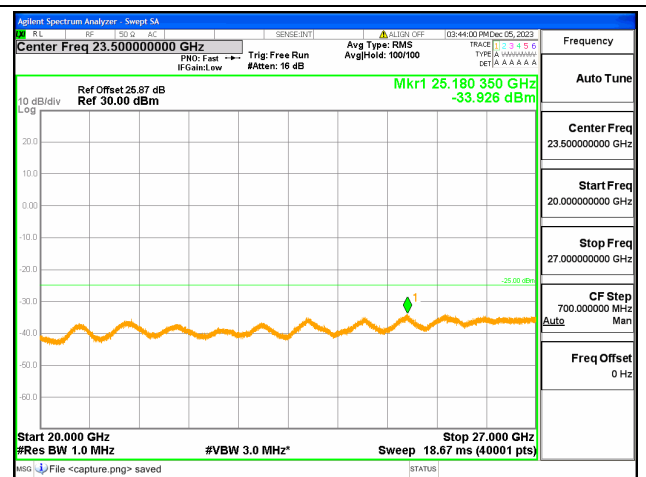
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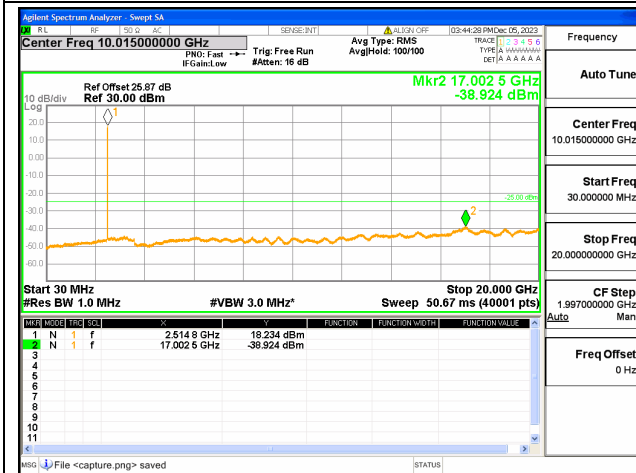
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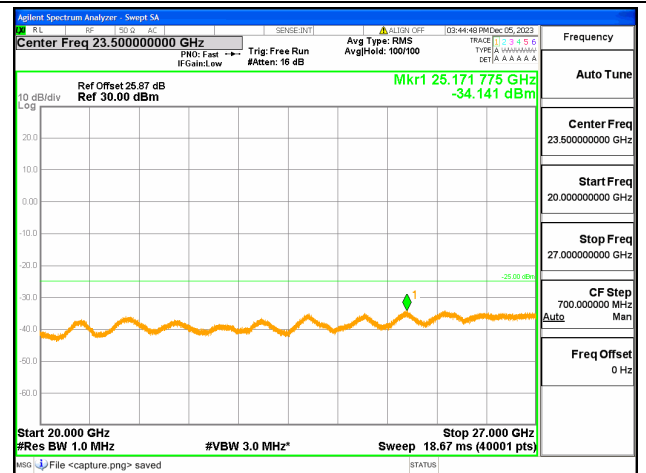
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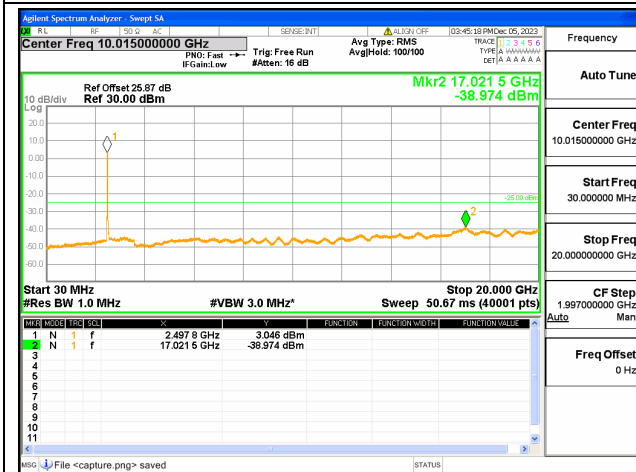
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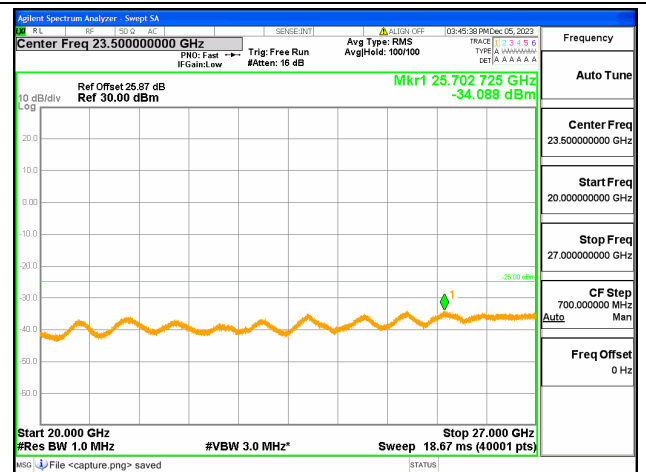
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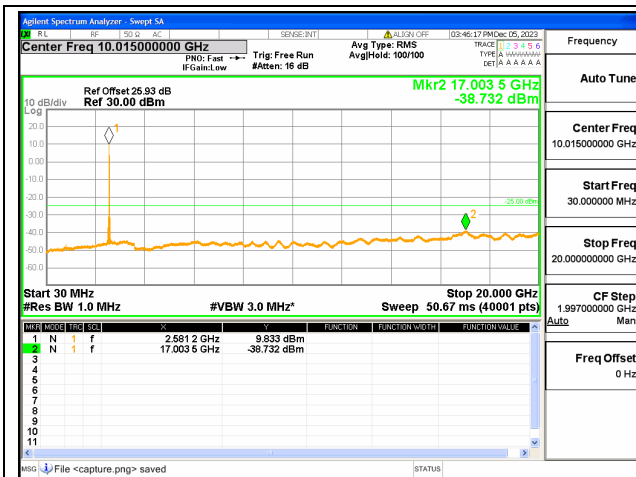
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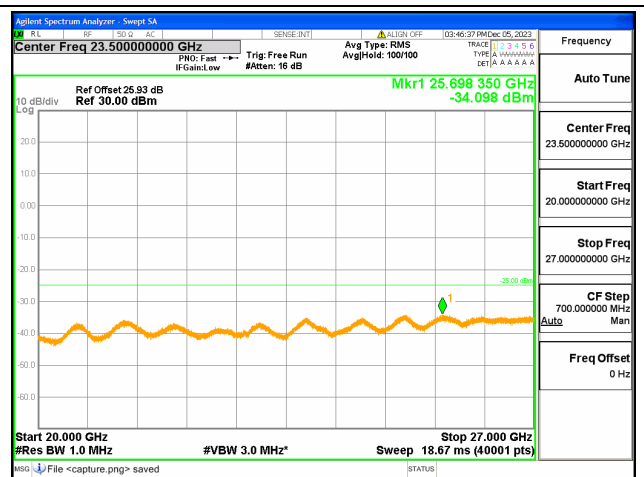
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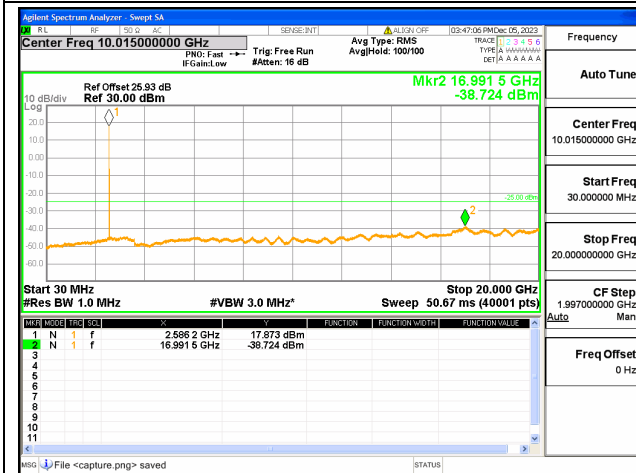
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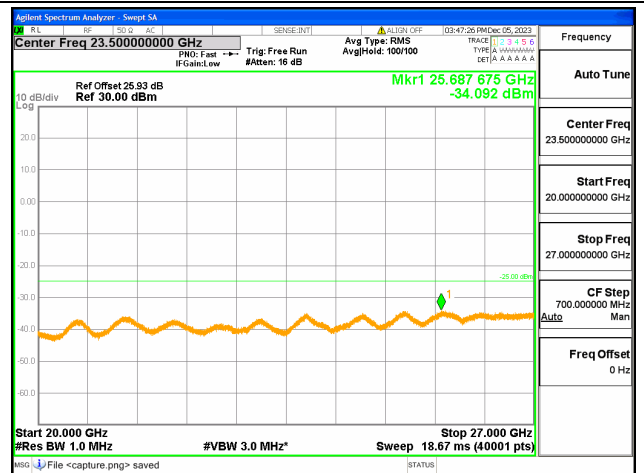
41C-30M-20G / 5+20MHz / QPSK / Mid CH /  
1@0-1@99



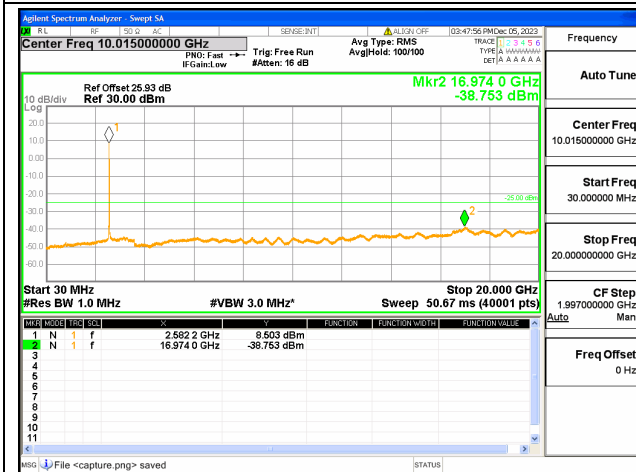
41C-20G-27G / 5+20MHz / QPSK / Mid CH /  
1@0-1@99



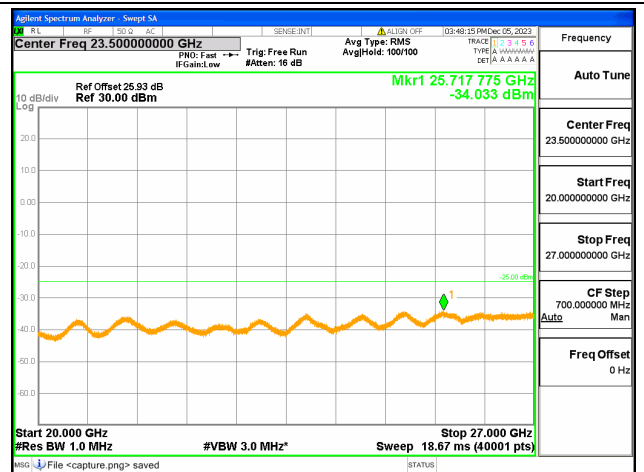
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1@24-1@0



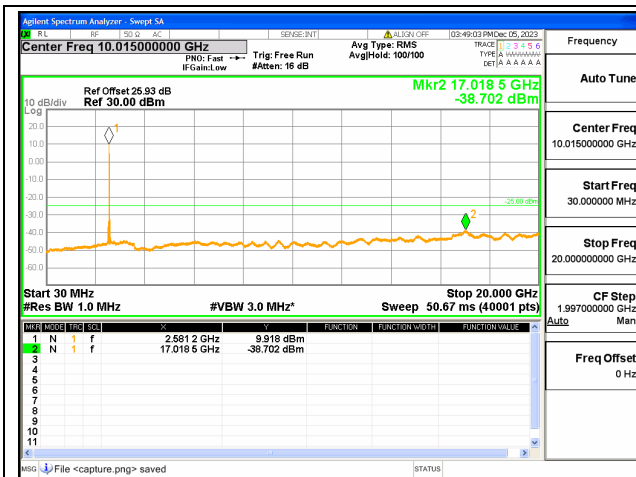
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1@24-1@0



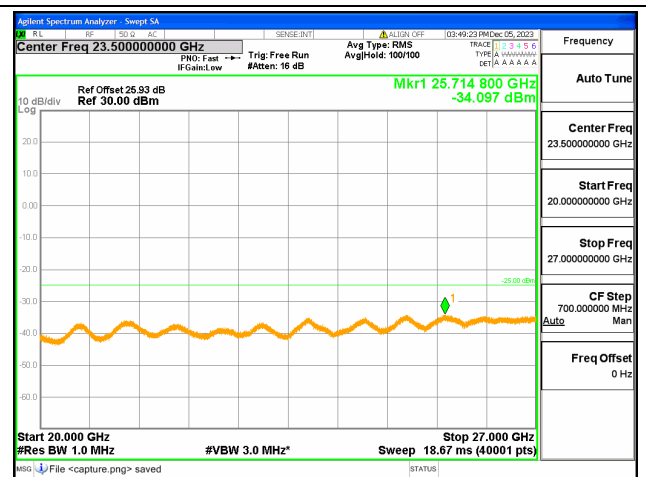
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25@0-100@0



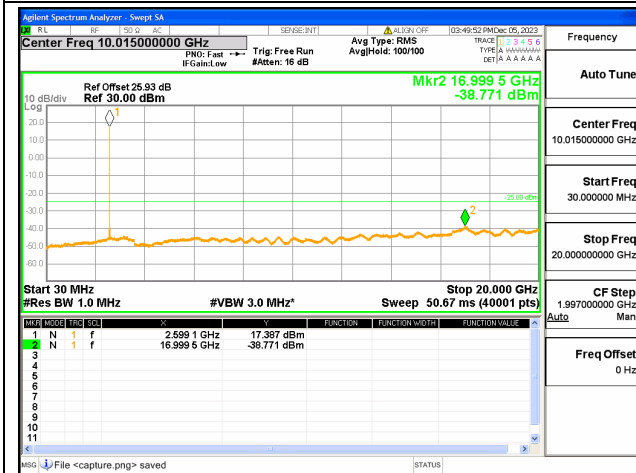
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25@0-100@0



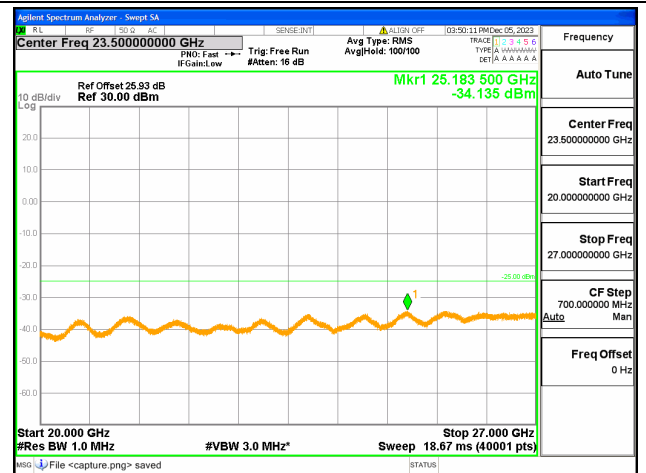
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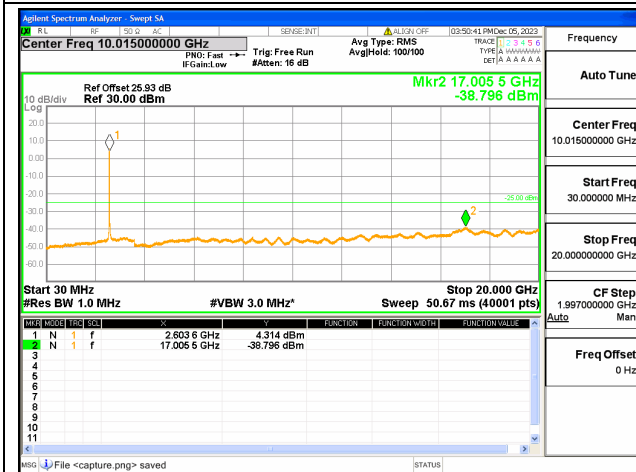
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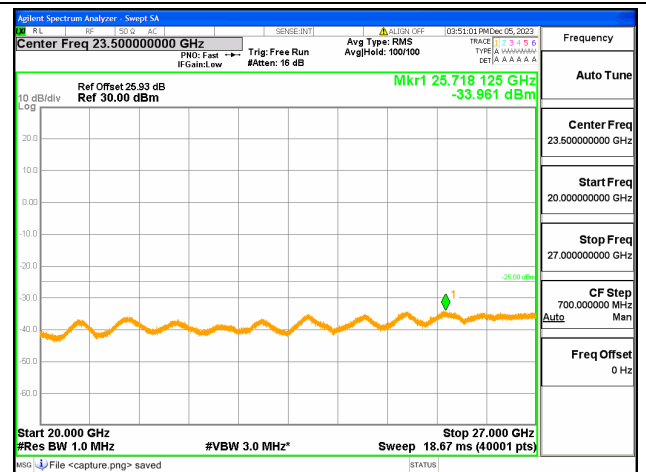
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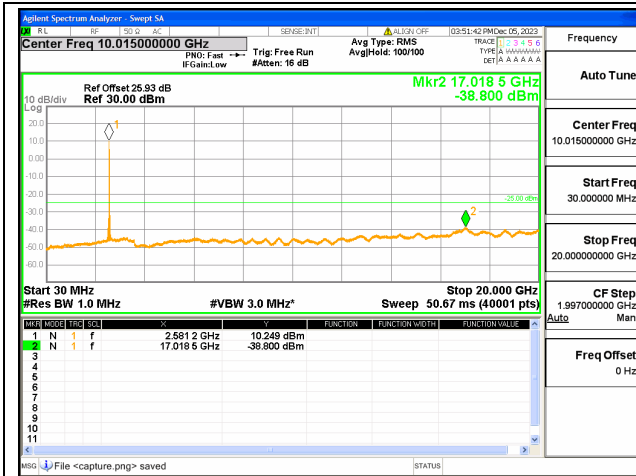
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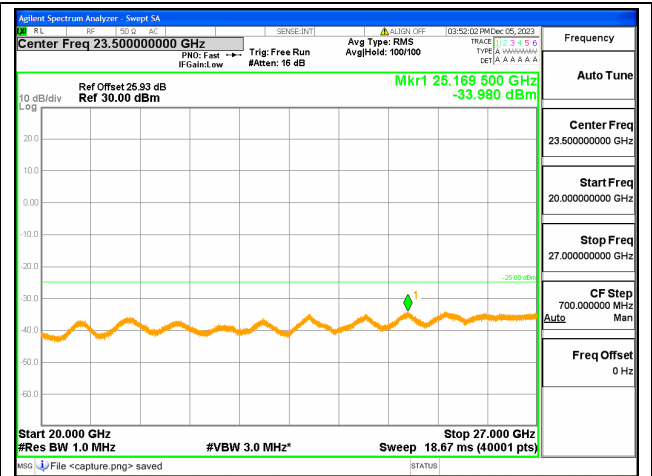
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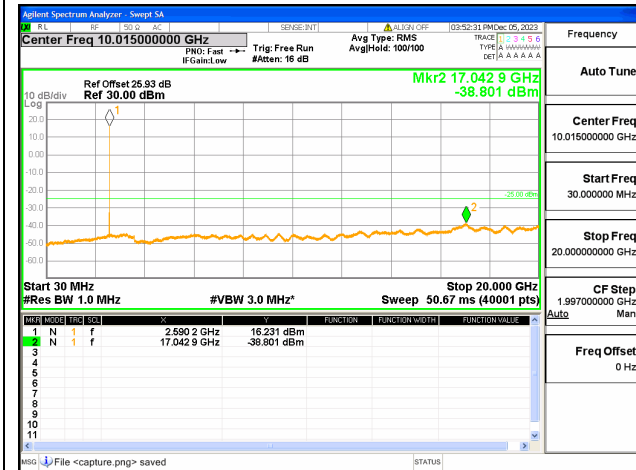
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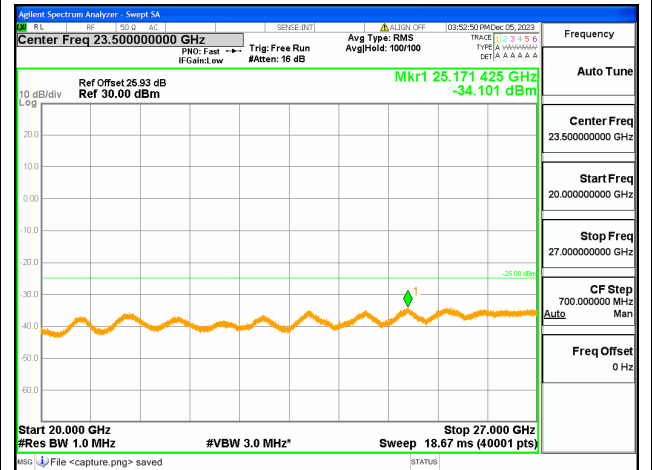
41C-30M-20G / 10+15MHz / QPSK / Mid CH /  
1@0-1@74



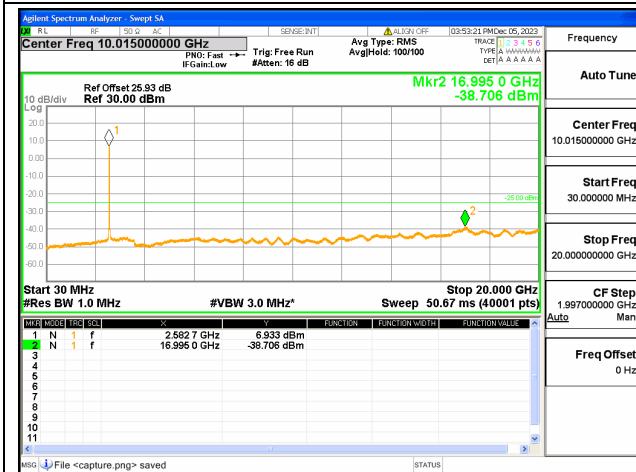
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1@0-1@74



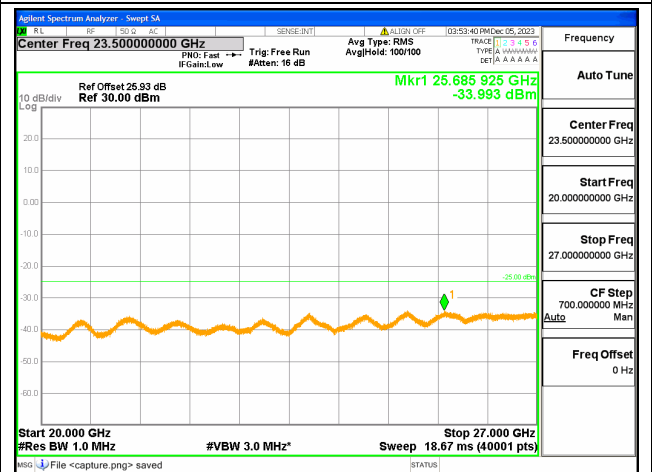
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1@49-1@0



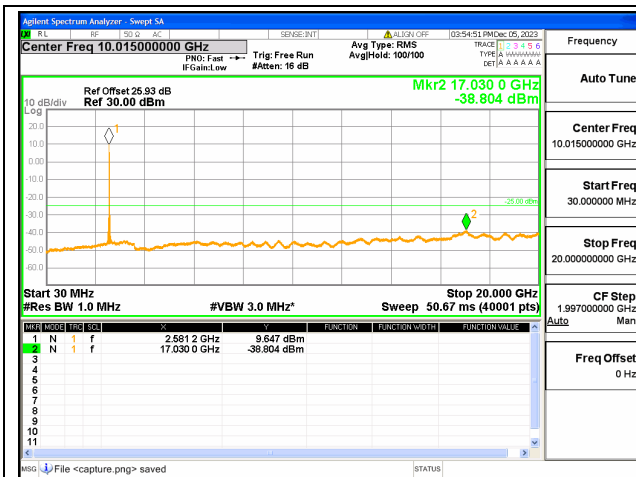
41C-20G-27G / 10+15MHz / QPSK / Mid CH /  
1@49-1@0



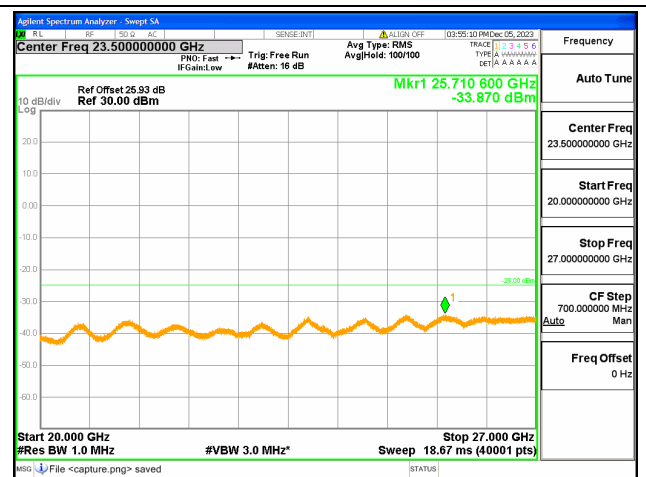
41C-30M-20G / 10+15MHz / QPSK / Mid CH /  
50@0-75@0



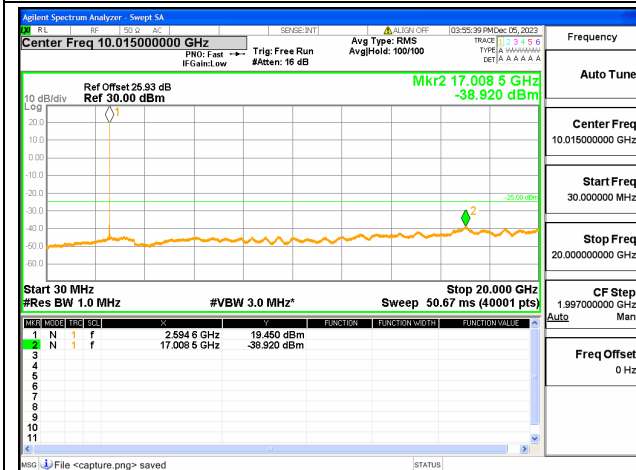
41C-20G-27G / 10+15MHz / QPSK / Mid CH /  
50@0-75@0



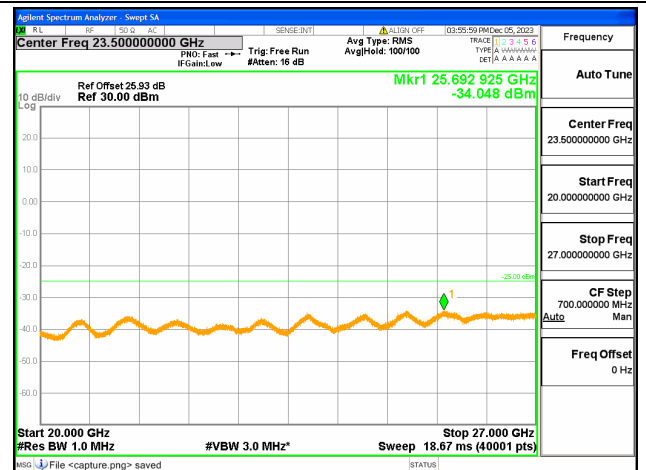
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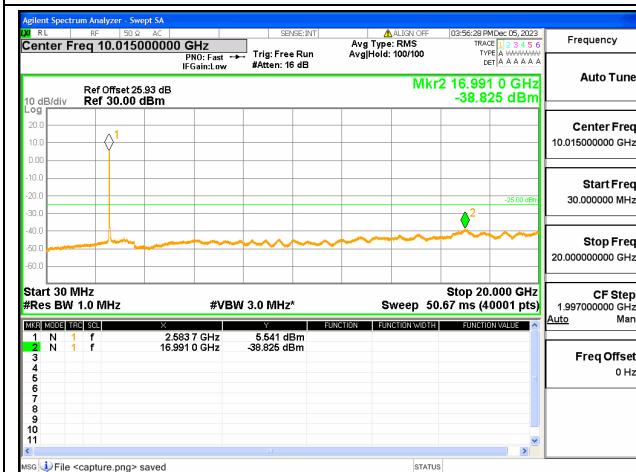
41C-20G-27G / 15+10MHz / QPSK / Mid CH / 1@0-1@49



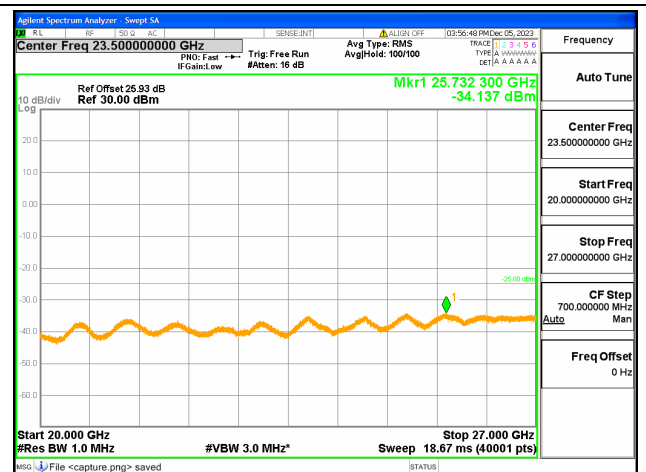
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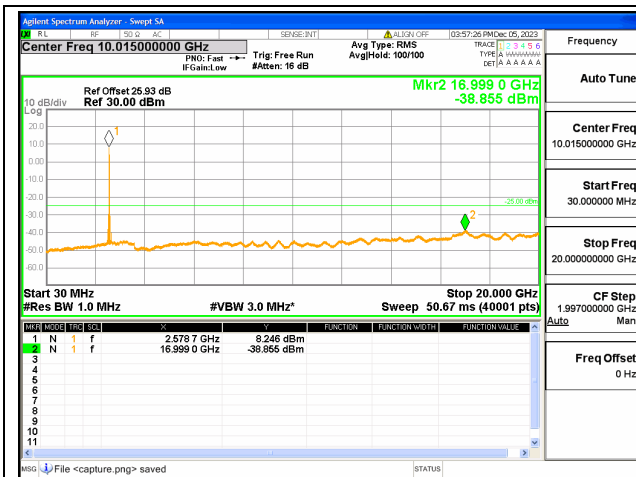
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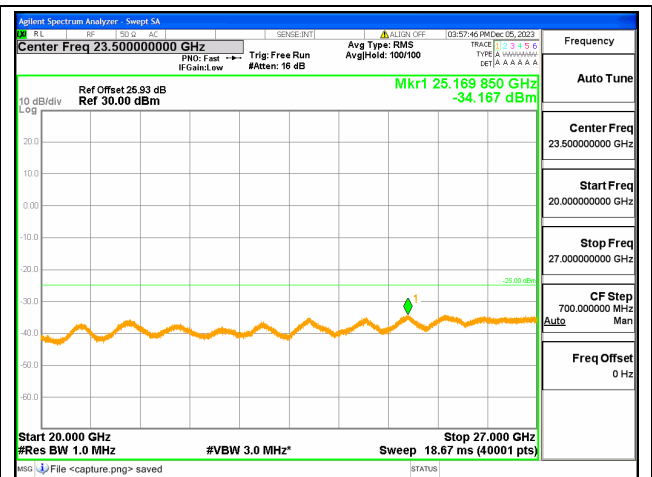
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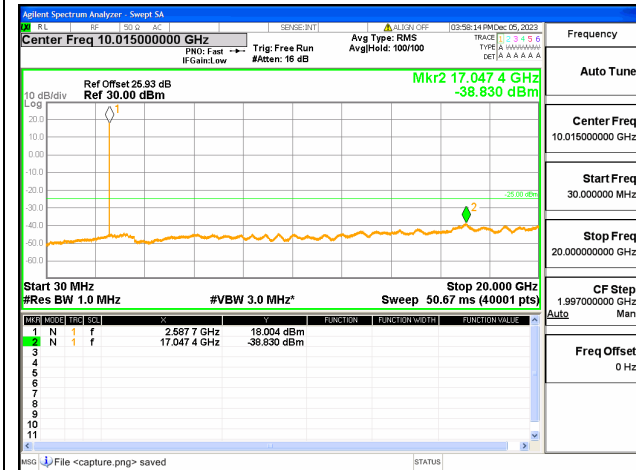
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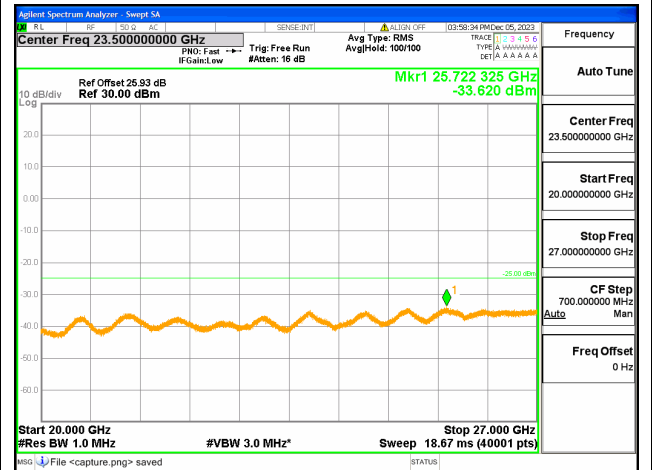
41C-30M-20G / 10+20MHz / QPSK / Mid CH / 1@0-1@99



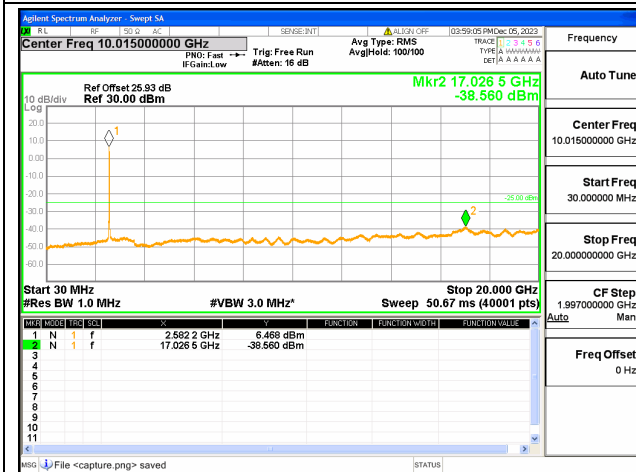
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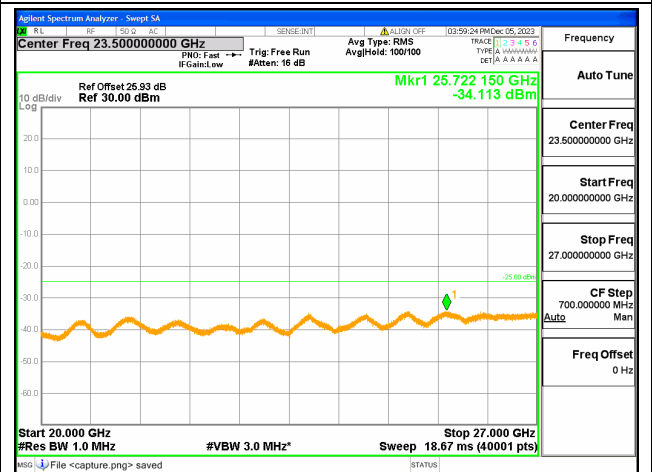
41C-30M-20G / 10+20MHz / QPSK / Mid CH / 1@49-1@0



41C-20G-27G / 10+20MHz / QPSK / Mid CH / 1@49-1@0



41C-30M-20G / 10+20MHz / QPSK / Mid CH / 50@0-100@0



41C-20G-27G / 10+20MHz / QPSK / Mid CH / 50@0-100@0