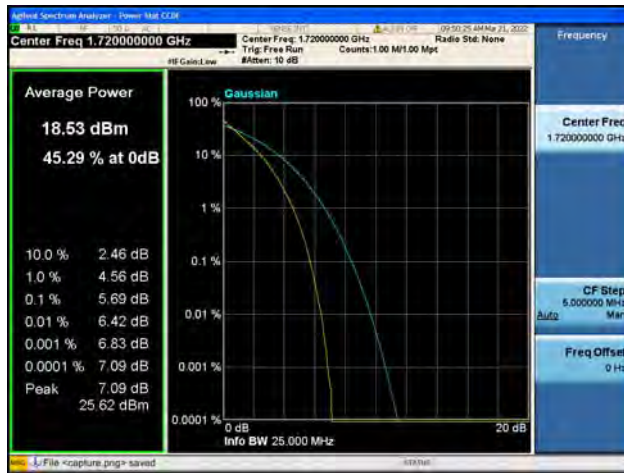




Band4 / 20MHz / Low CH / QPSK



Band4 / 20MHz / Low CH / 16QAM



Band4 / 20MHz / Mid CH / QPSK



Band4 / 20MHz / Mid CH / 16QAM



Band4 / 20MHz / High CH / QPSK



Band4 / 20MHz / High CH / 16QAM



## 2.5. Conducted Spurious Emissions

### 2.5.1. Requirement

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

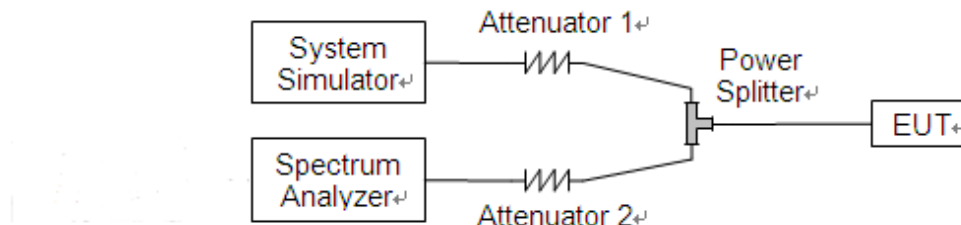
Additional requirement for LTE Band 7, 38, 41:

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 40:

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least  $70 + 10 \log(P)$  dB. This calculated to be -40dBm.

### 2.5.2. Test Description



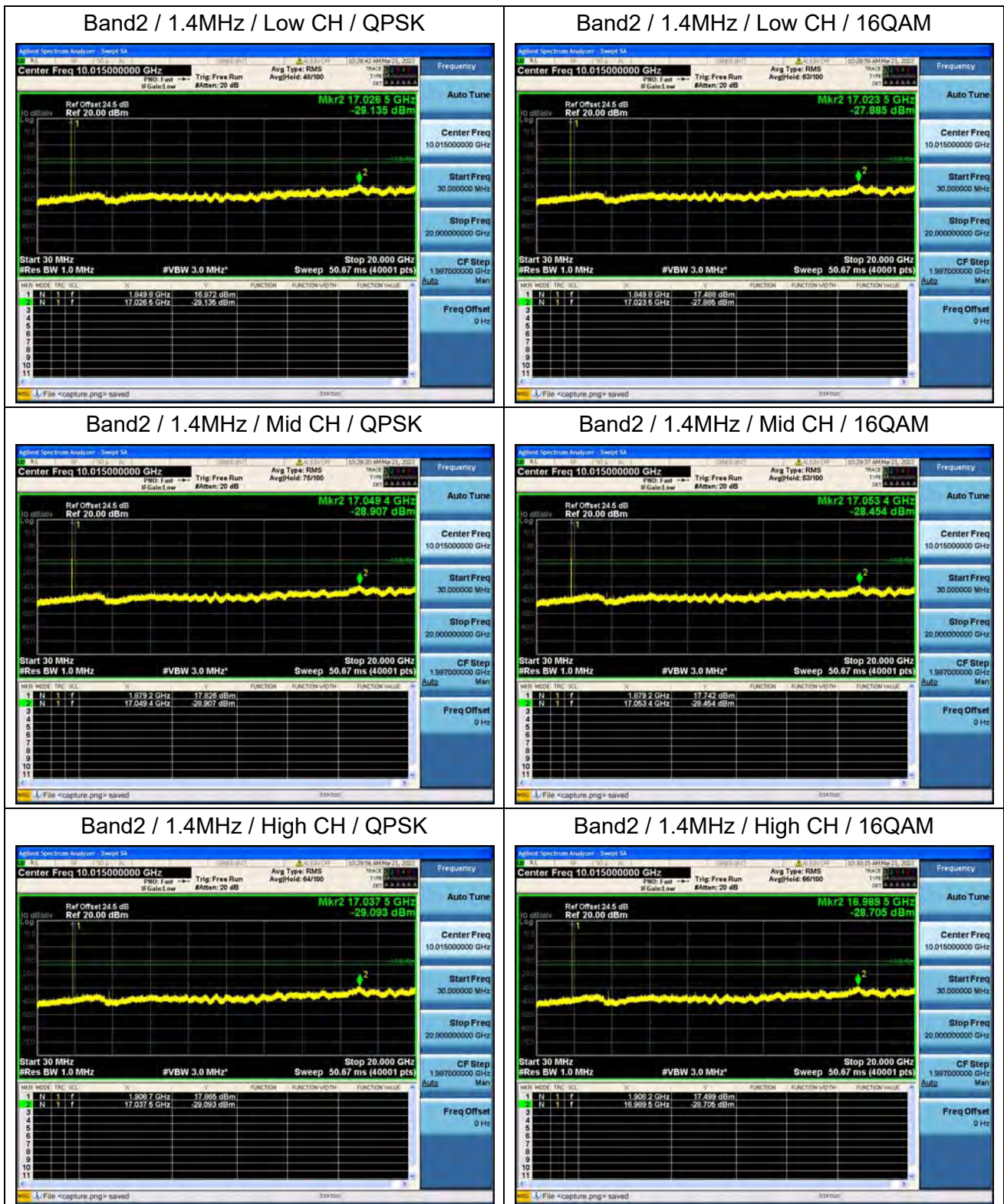
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum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

### 2.5.3. Test Procedure

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

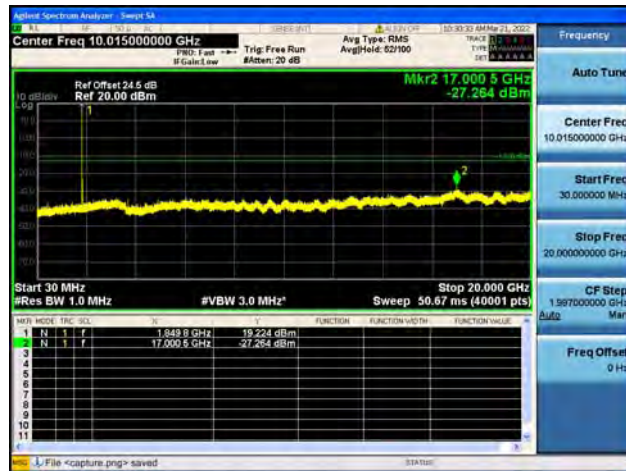


## 2.5.4. Test Result

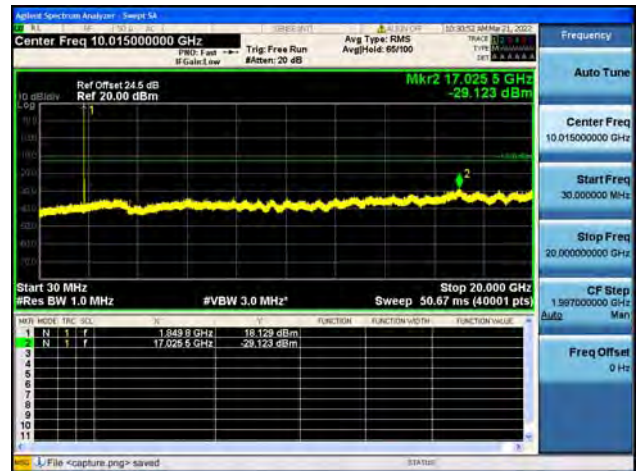




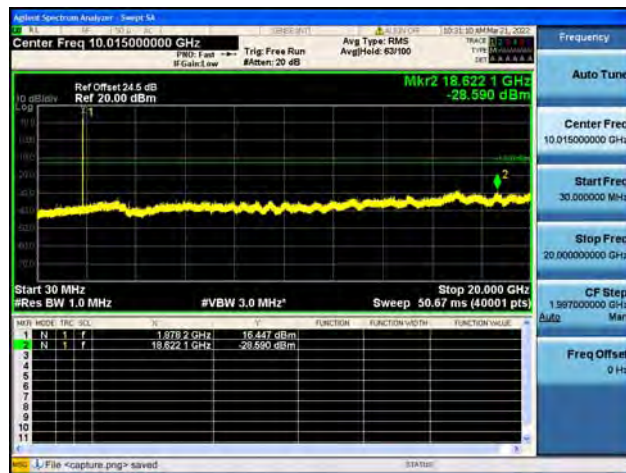
Band2 / 3MHz / Low CH / QPSK



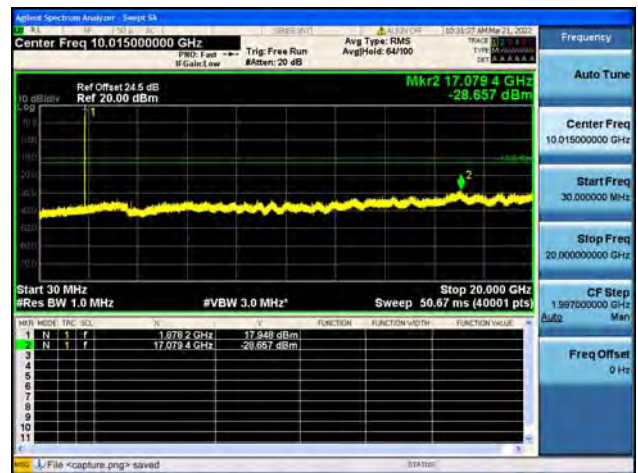
Band2 / 3MHz / Low CH / 16QAM



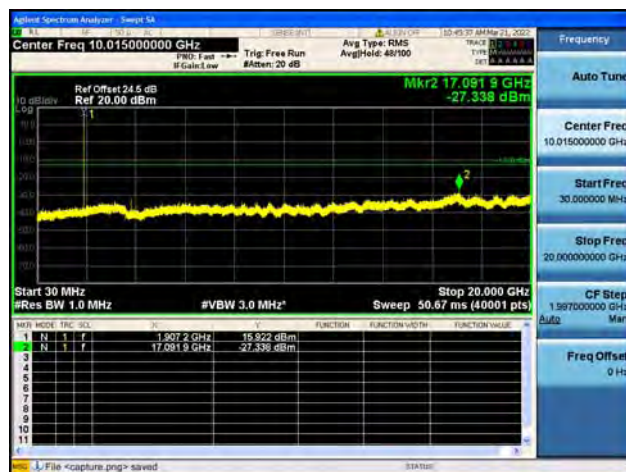
Band2 / 3MHz / Mid CH / QPSK



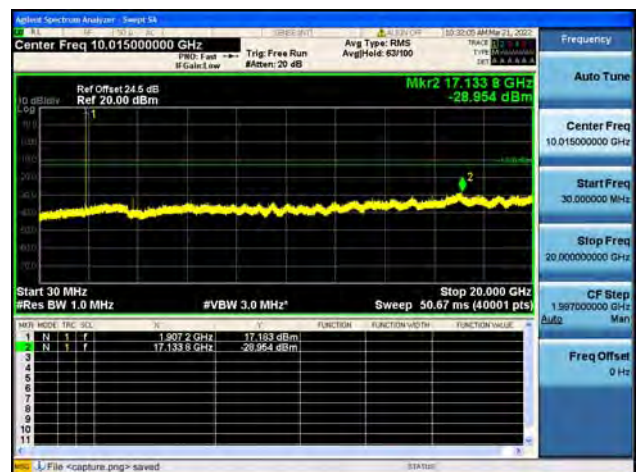
Band2 / 3MHz / Mid CH / 16QAM



Band2 / 3MHz / High CH / QPSK

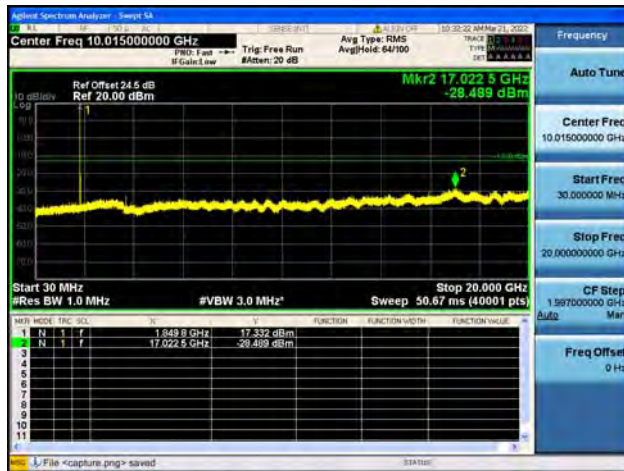


Band2 / 3MHz / High CH / 16QAM

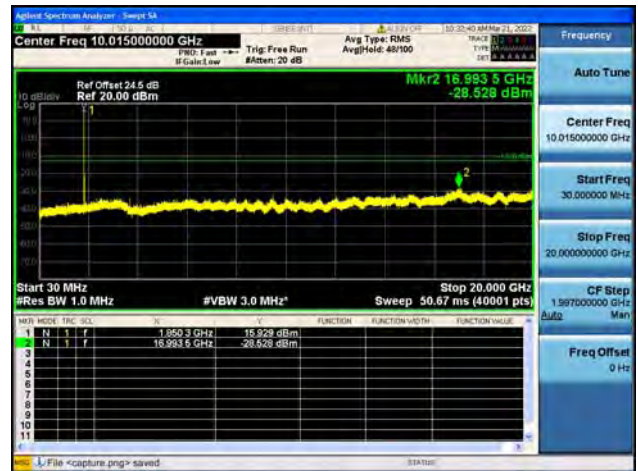




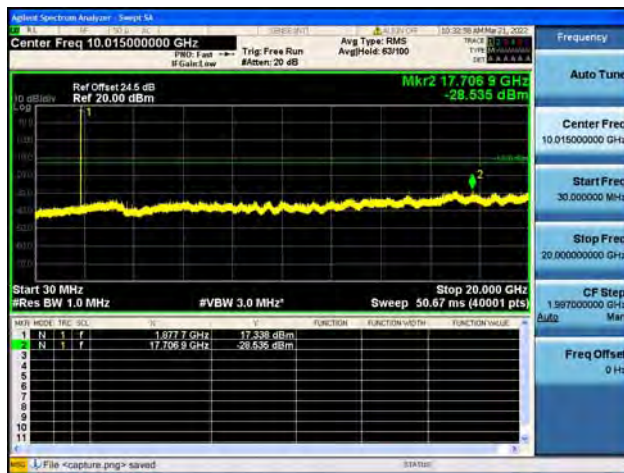
Band2 / 5MHz / Low CH / QPSK



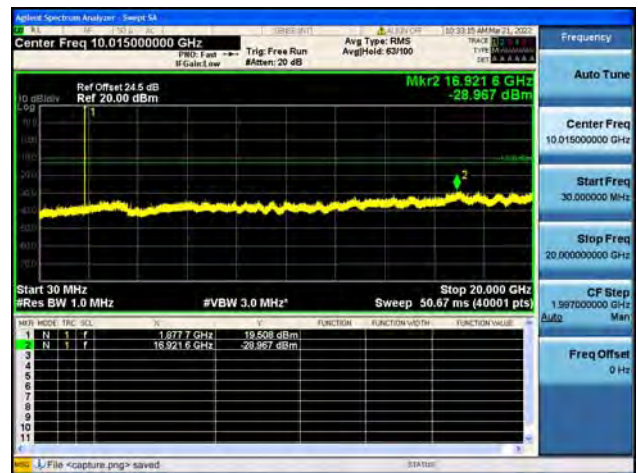
Band2 / 5MHz / Low CH / 16QAM



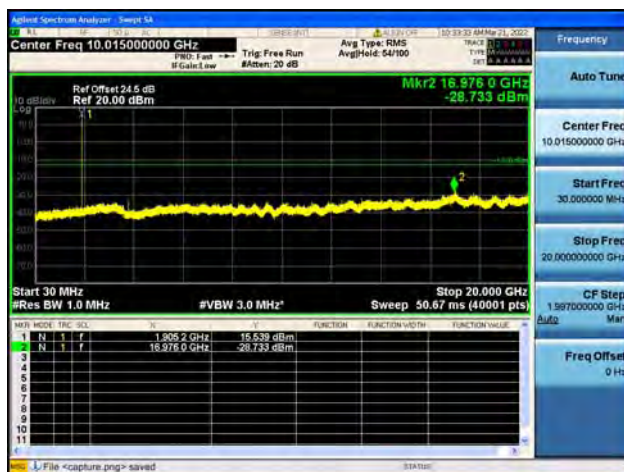
Band2 / 5MHz / Mid CH / QPSK



Band2 / 5MHz / Mid CH / 16QAM



Band2 / 5MHz / High CH / QPSK

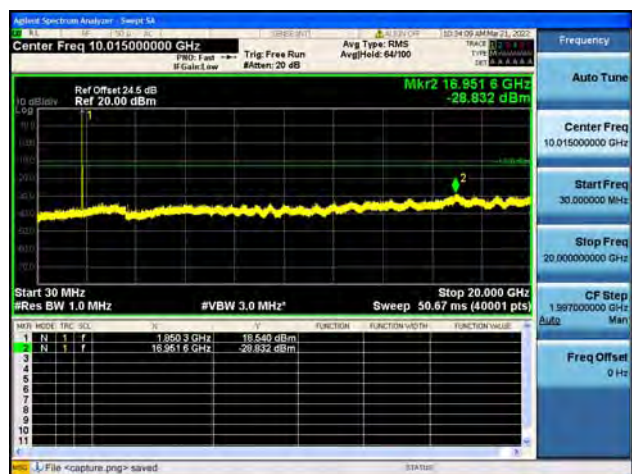


Band2 / 5MHz / High CH / 16QAM

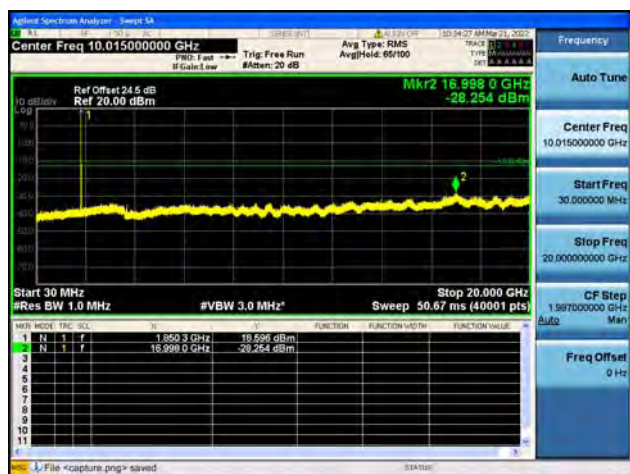




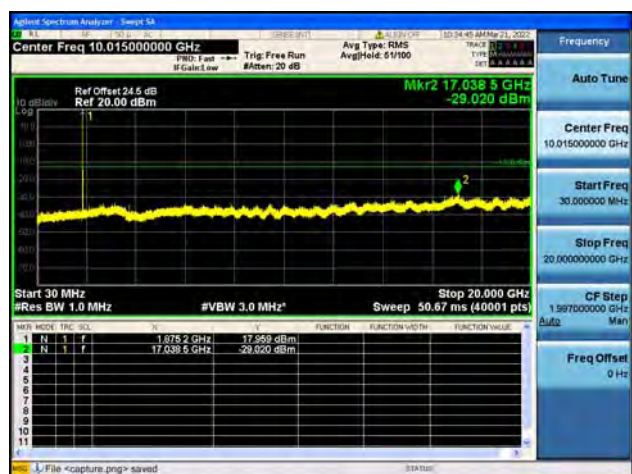
Band2 / 10MHz / Low CH / QPSK



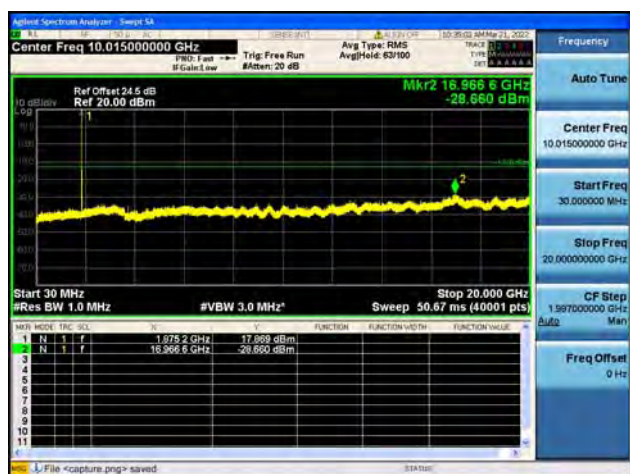
Band2 / 10MHz / Low CH / 16QAM



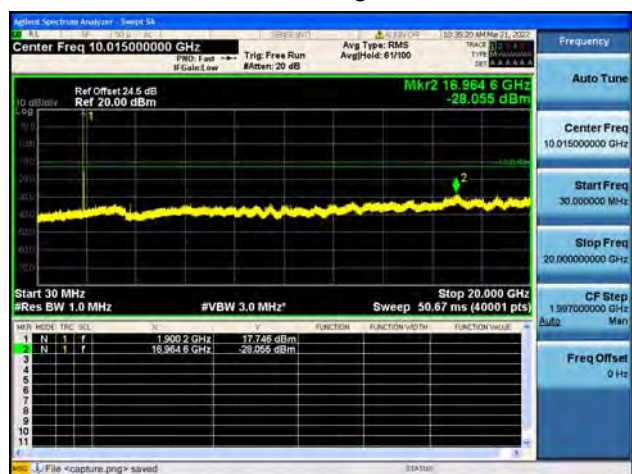
Band2 / 10MHz / Mid CH / QPSK



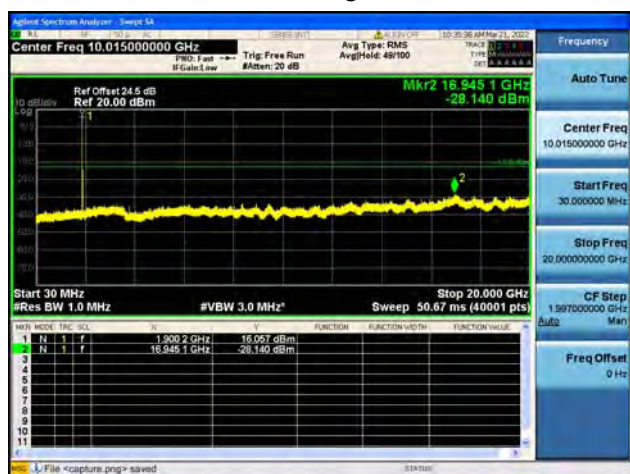
Band2 / 10MHz / Mid CH / 16QAM



Band2 / 10MHz / High CH / QPSK

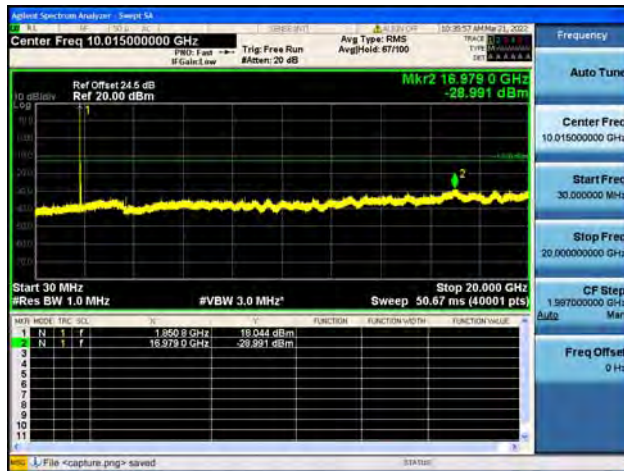


Band2 / 10MHz / High CH / 16QAM





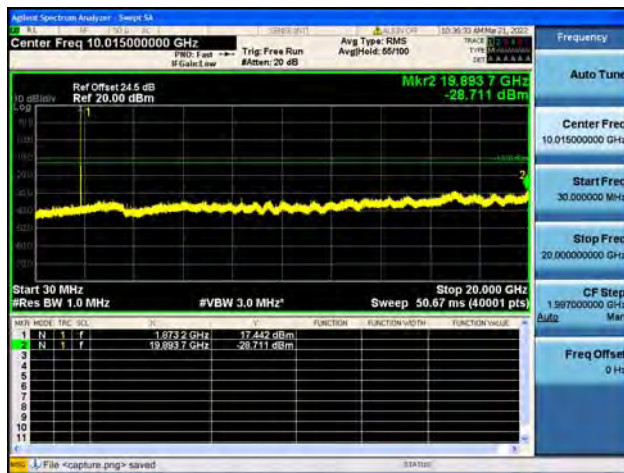
Band2 / 15MHz / Low CH / QPSK



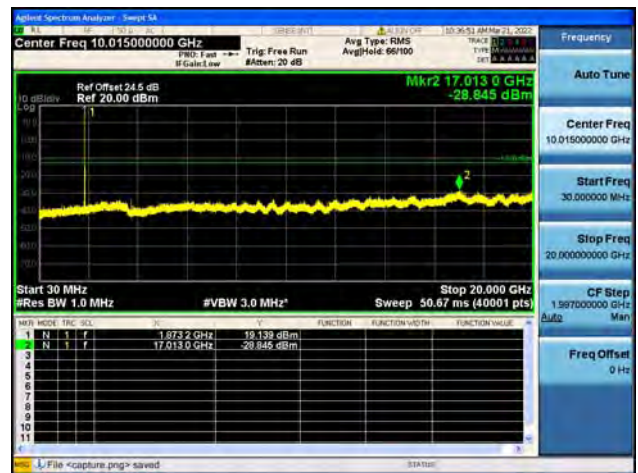
Band2 / 15MHz / Low CH / 16QAM



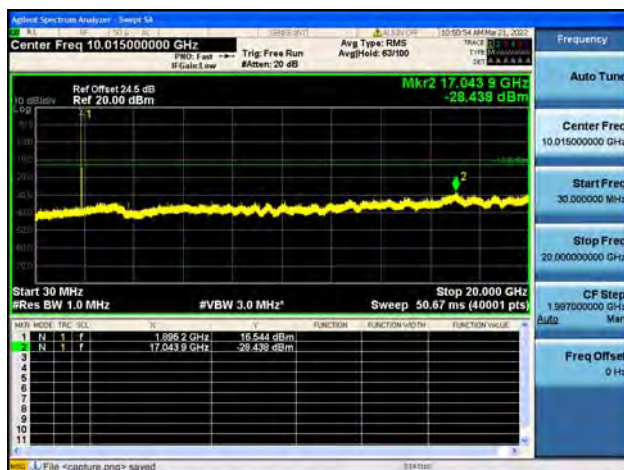
Band2 / 15MHz / Mid CH / QPSK



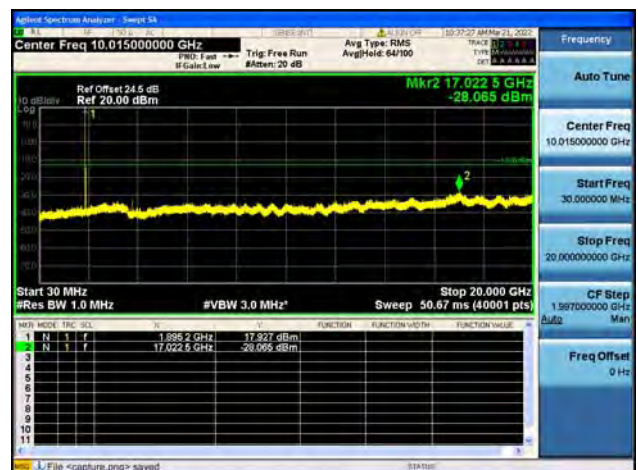
Band2 / 15MHz / Mid CH / 16QAM



Band2 / 15MHz / High CH / QPSK

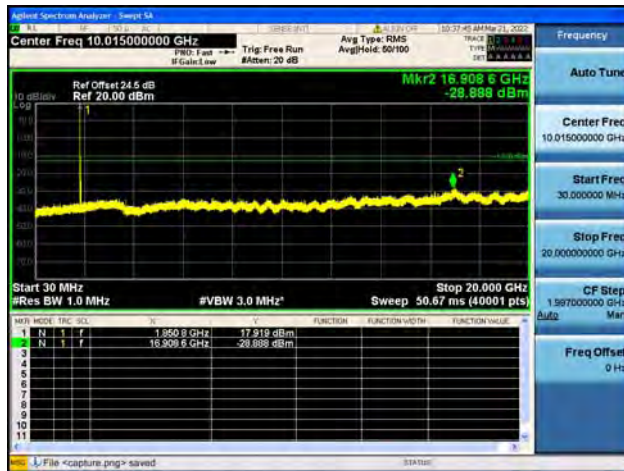


Band2 / 15MHz / High CH / 16QAM

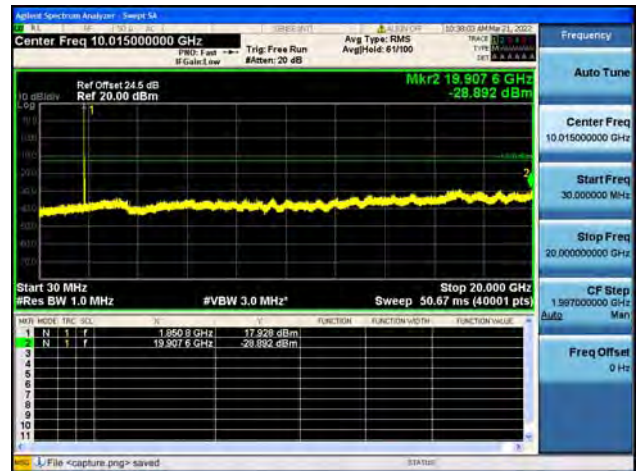




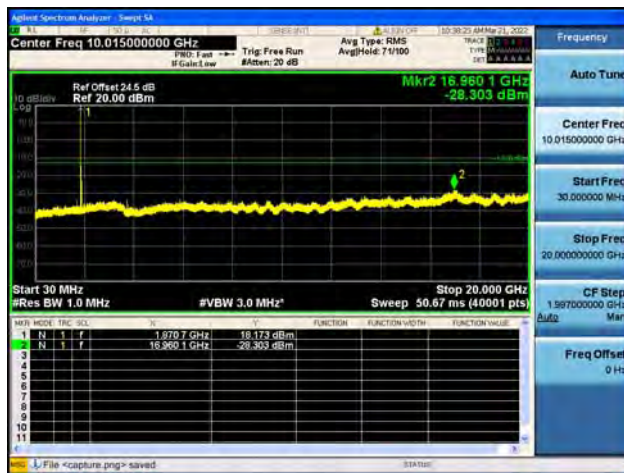
Band2 / 20MHz / Low CH / QPSK



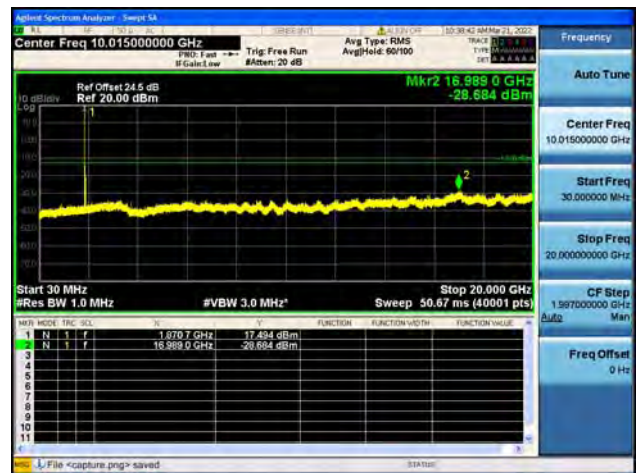
Band2 / 20MHz / Low CH / 16QAM



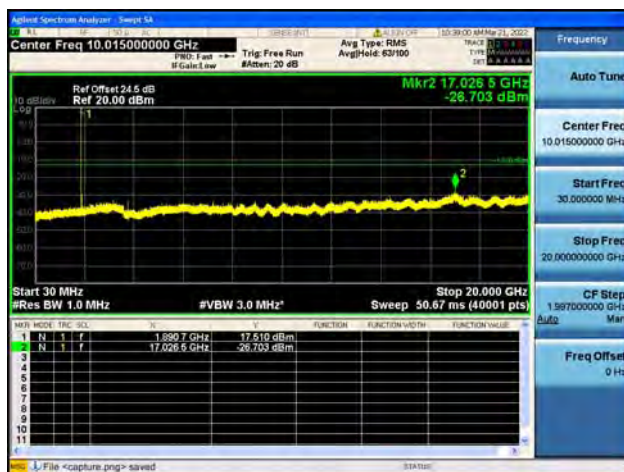
Band2 / 20MHz / Mid CH / QPSK



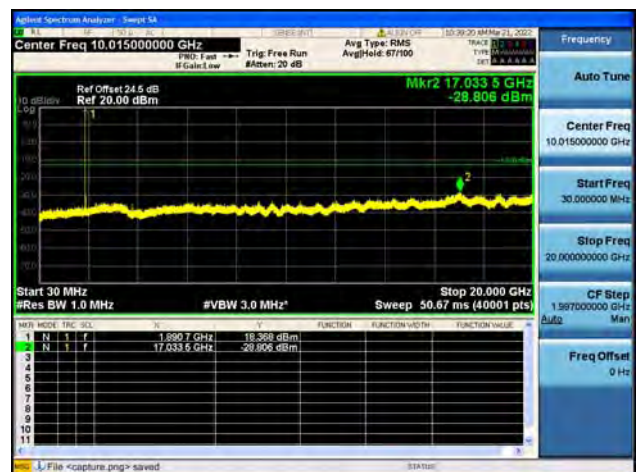
Band2 / 20MHz / Mid CH / 16QAM



Band2 / 20MHz / High CH / QPSK

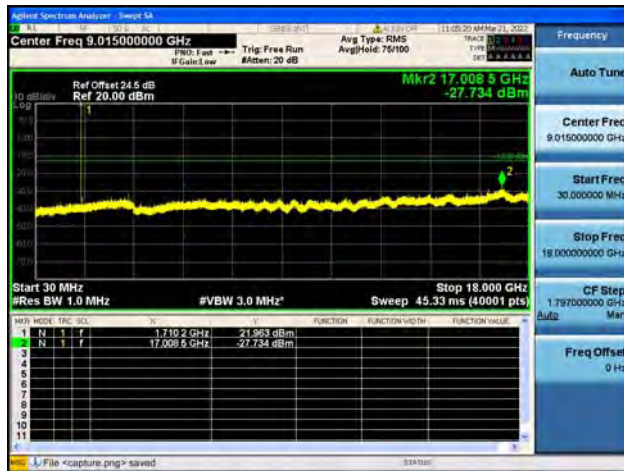


Band2 / 20MHz / High CH / 16QAM

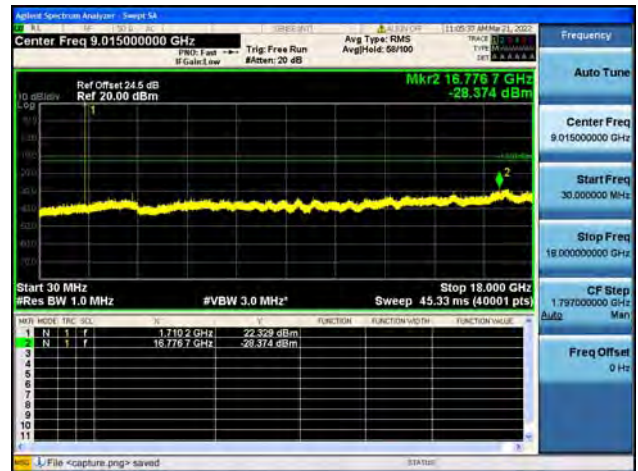




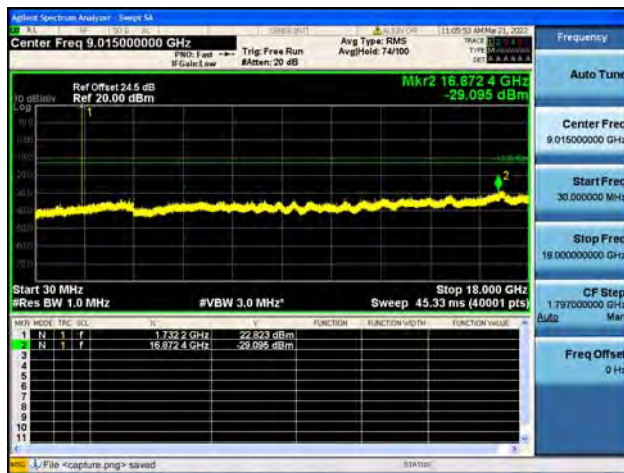
Band4 / 1.4MHz / Low CH / QPSK



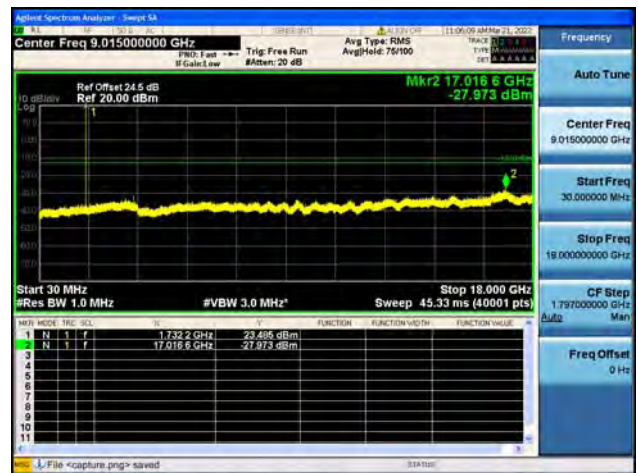
Band4 / 1.4MHz / Low CH / 16QAM



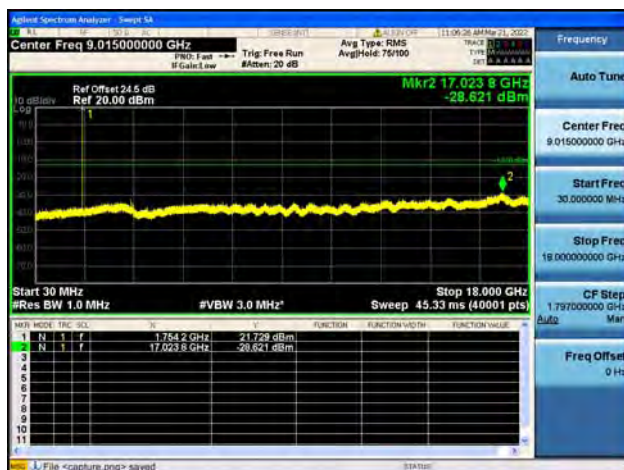
Band4 / 1.4MHz / Mid CH / QPSK



Band4 / 1.4MHz / Mid CH / 16QAM



Band4 / 1.4MHz / High CH / QPSK

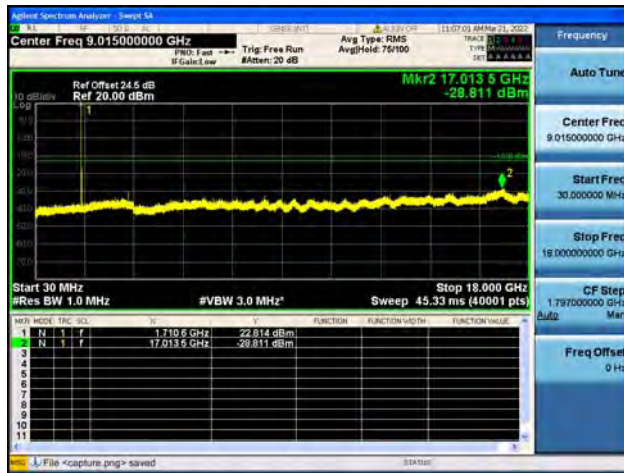


Band4 / 1.4MHz / High CH / 16QAM

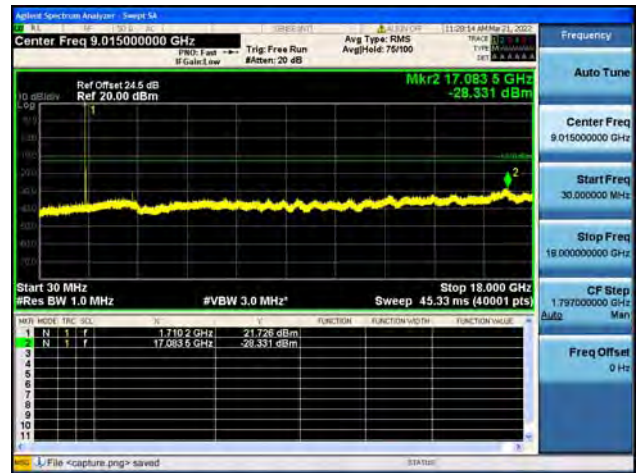




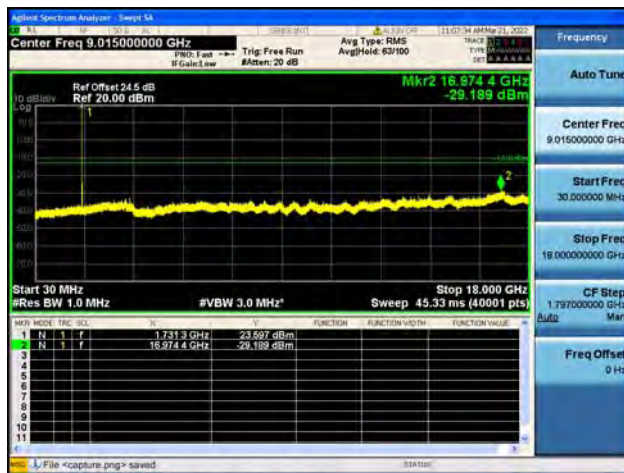
Band4 / 3MHz / Low CH / QPSK



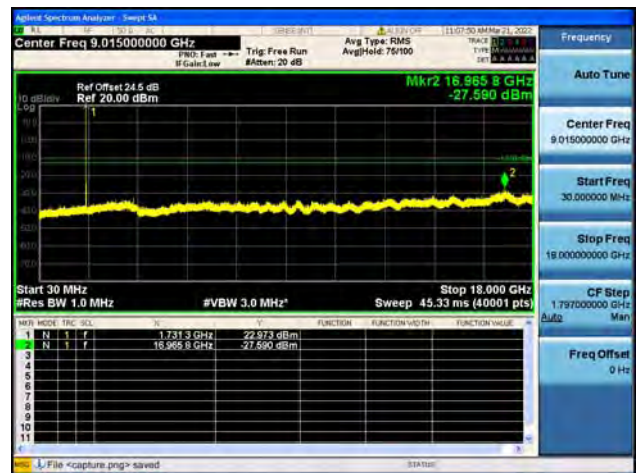
Band4 / 3MHz / Low CH / 16QAM



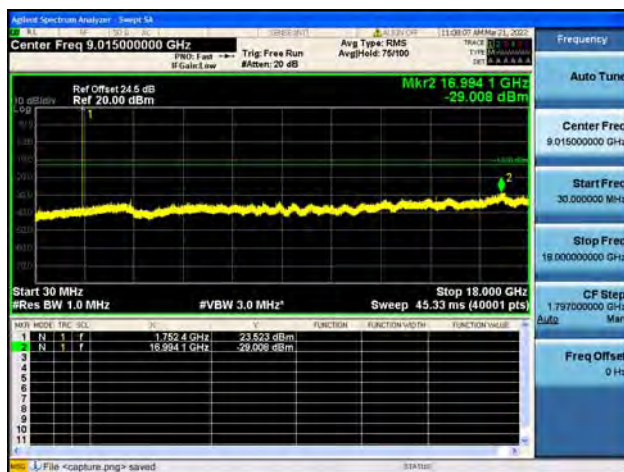
Band4 / 3MHz / Mid CH / QPSK



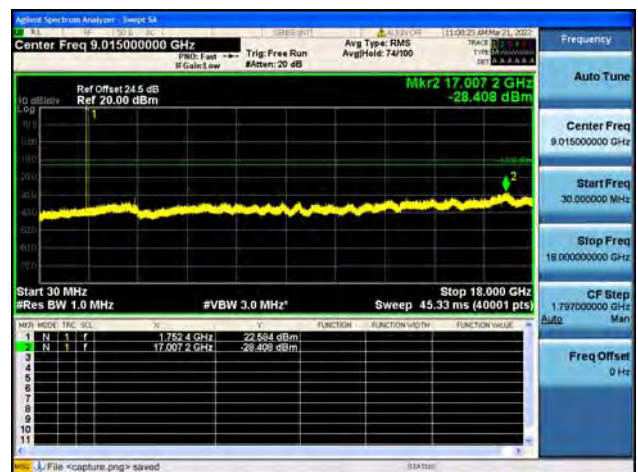
Band4 / 3MHz / Mid CH / 16QAM



Band4 / 3MHz / High CH / QPSK

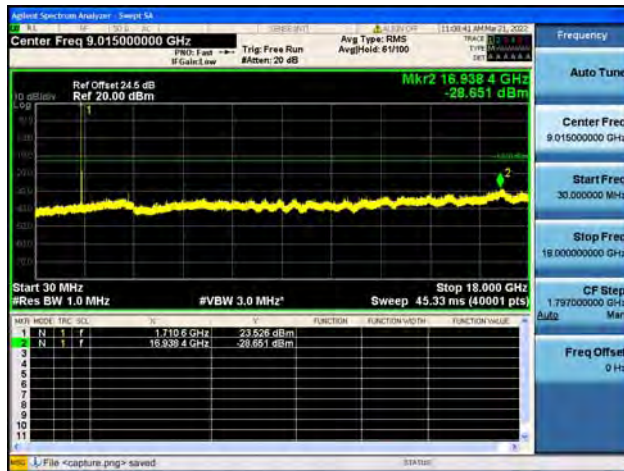


Band4 / 3MHz / High CH / 16QAM

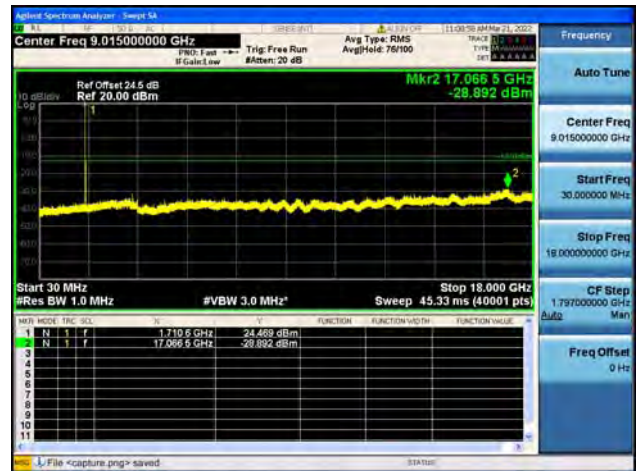




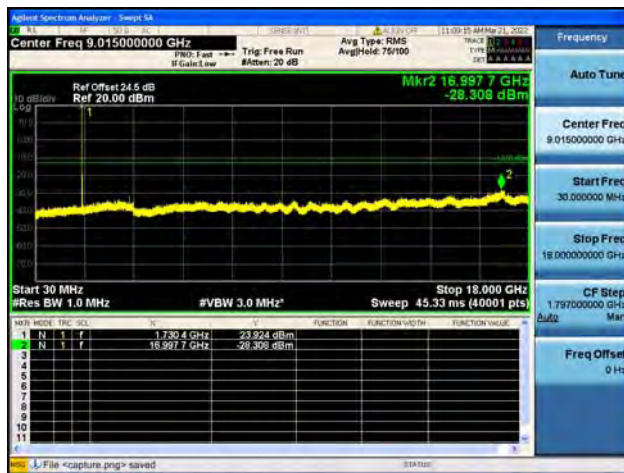
Band4 / 5MHz / Low CH / QPSK



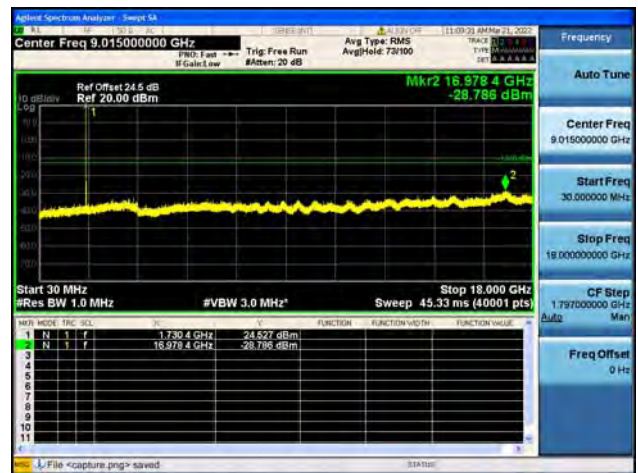
Band4 / 5MHz / Low CH / 16QAM



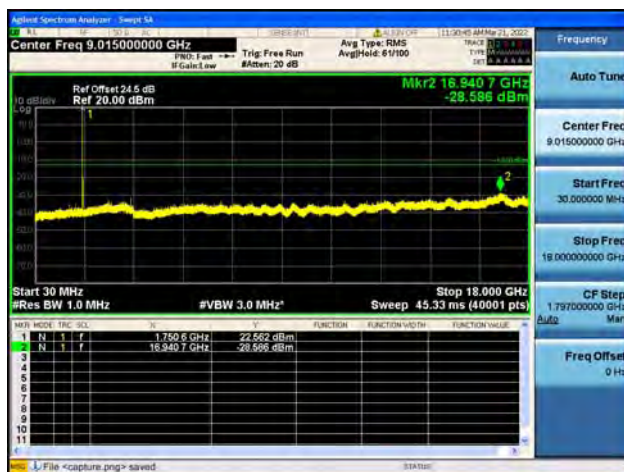
Band4 / 5MHz / Mid CH / QPSK



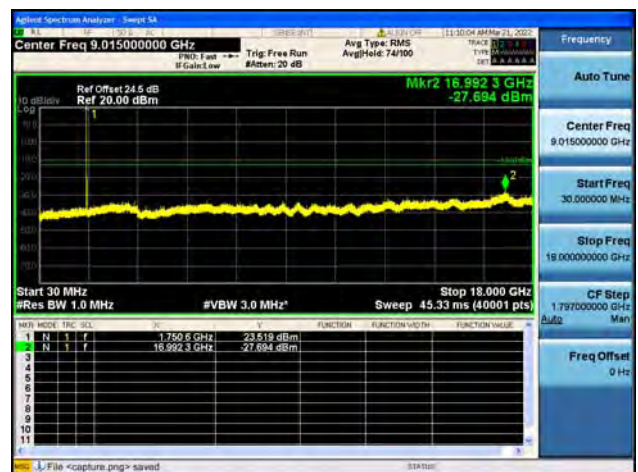
Band4 / 5MHz / Mid CH / 16QAM



Band4 / 5MHz / High CH / QPSK

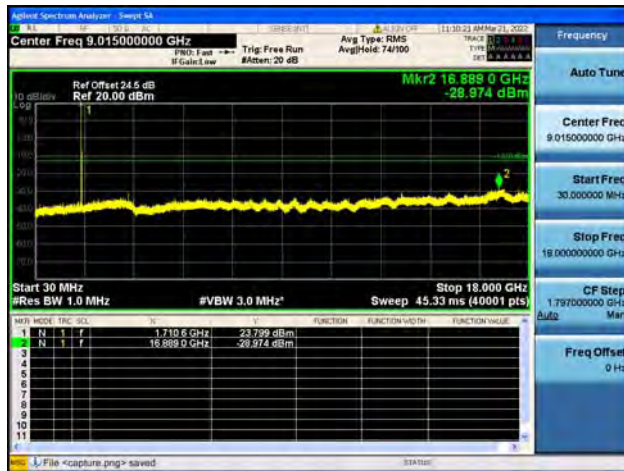


Band4 / 5MHz / High CH / 16QAM

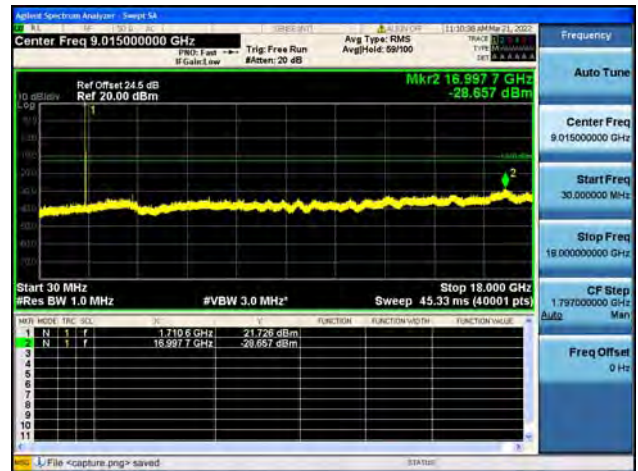




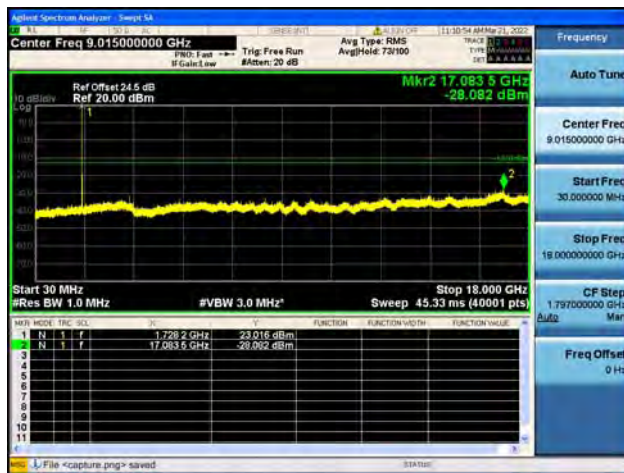
Band4 / 10MHz / Low CH / QPSK



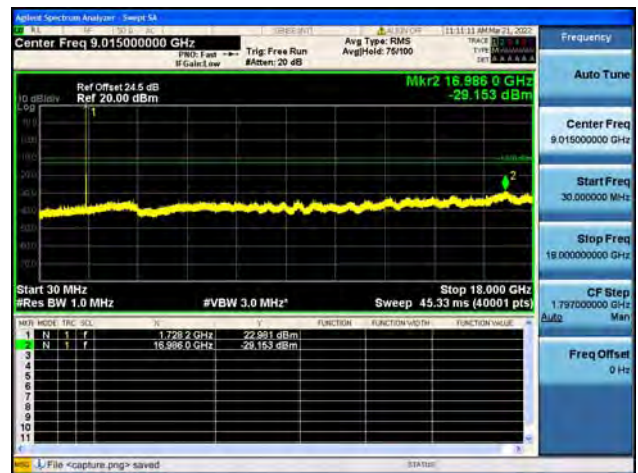
Band4 / 10MHz / Low CH / 16QAM



Band4 / 10MHz / Mid CH / QPSK



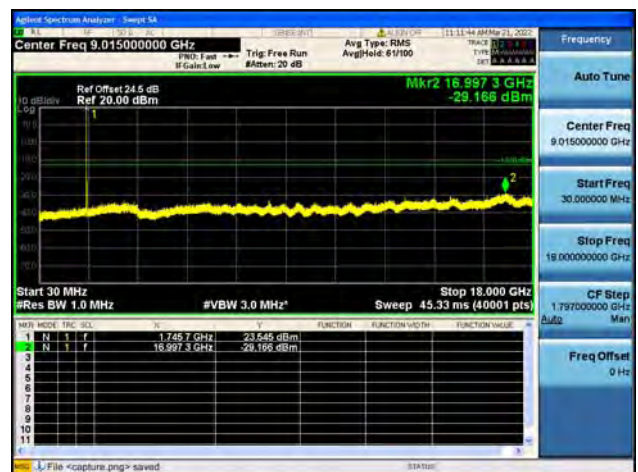
Band4 / 10MHz / Mid CH / 16QAM



Band4 / 10MHz / High CH / QPSK

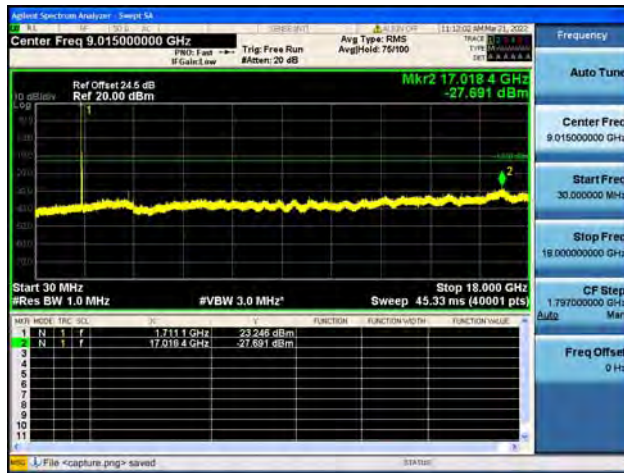


Band4 / 10MHz / High CH / 16QAM





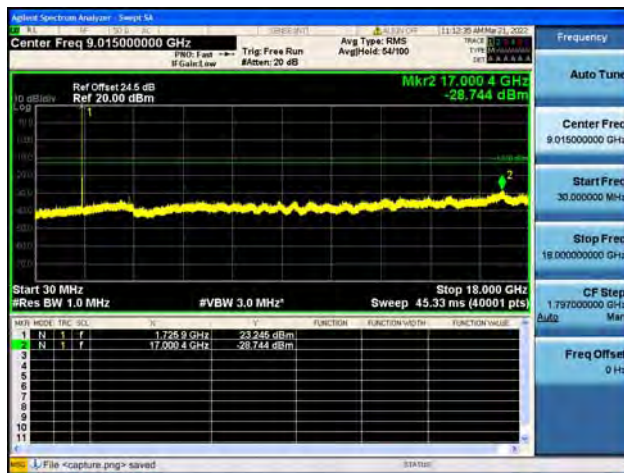
Band4 / 15MHz / Low CH / QPSK



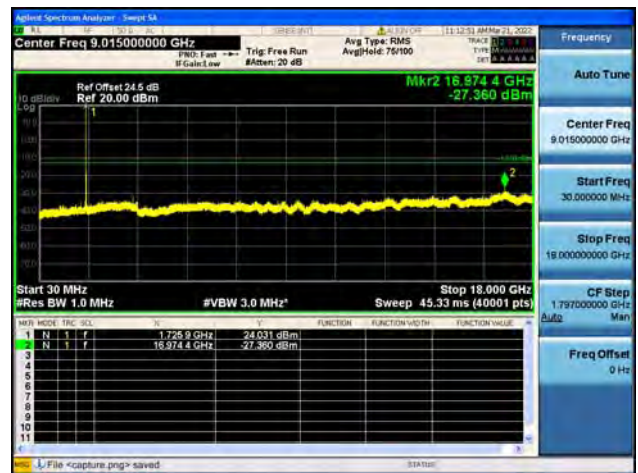
Band4 / 15MHz / Low CH / 16QAM



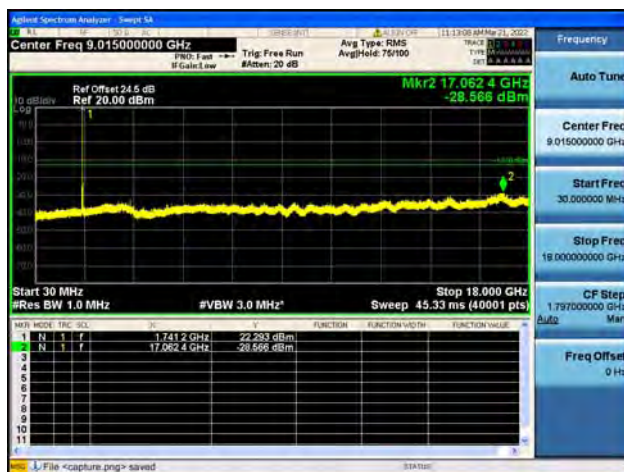
Band4 / 15MHz / Mid CH / QPSK



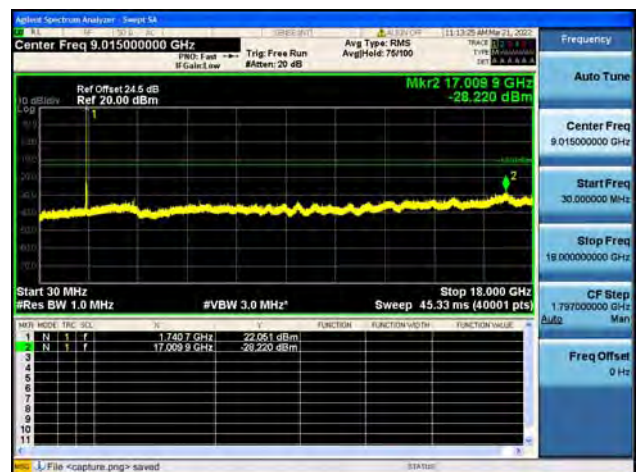
Band4 / 15MHz / Mid CH / 16QAM



Band4 / 15MHz / High CH / QPSK

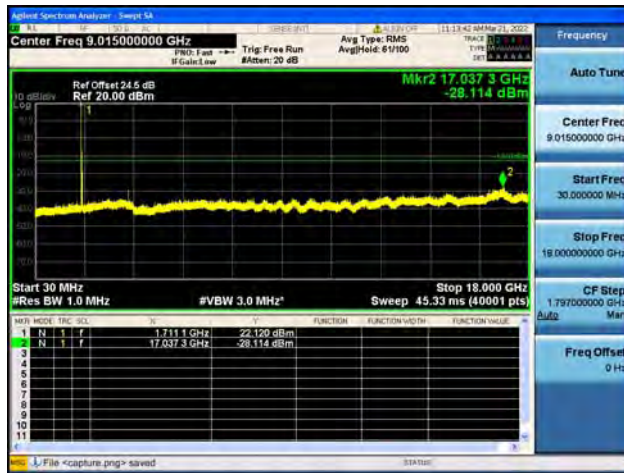


Band4 / 15MHz / High CH / 16QAM

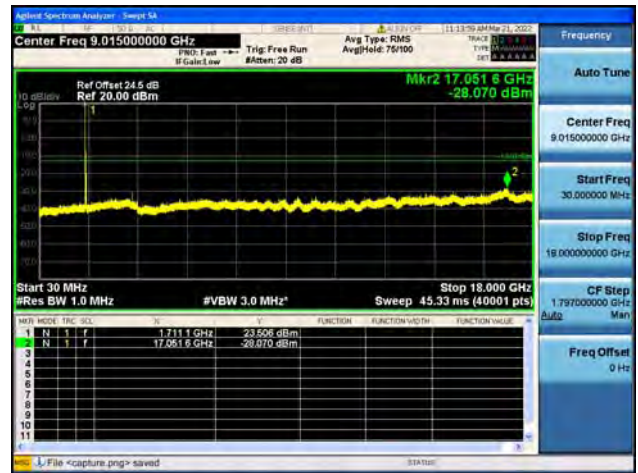




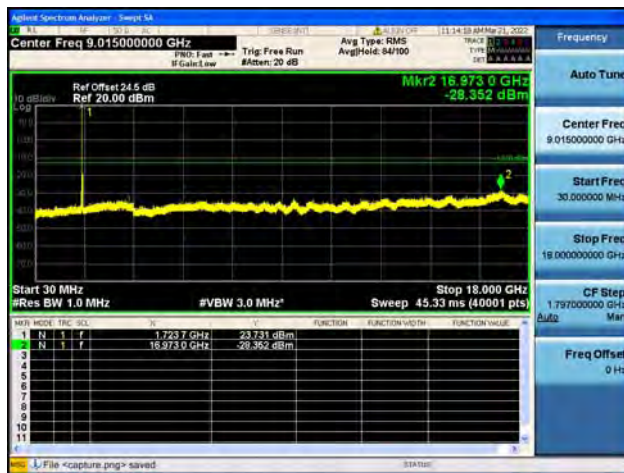
Band4 / 20MHz / Low CH / QPSK



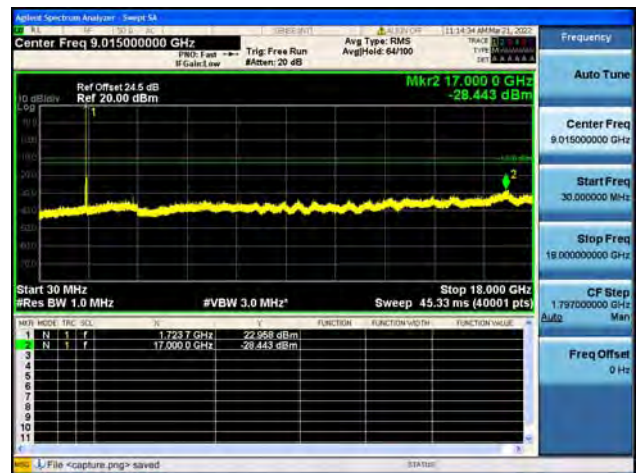
Band4 / 20MHz / Low CH / 16QAM



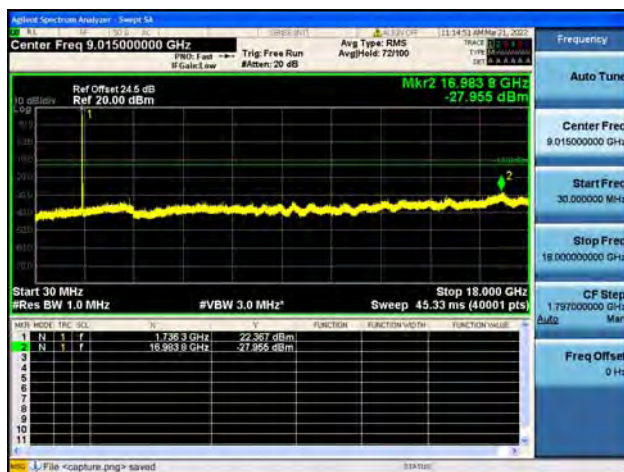
Band4 / 20MHz / Mid CH / QPSK



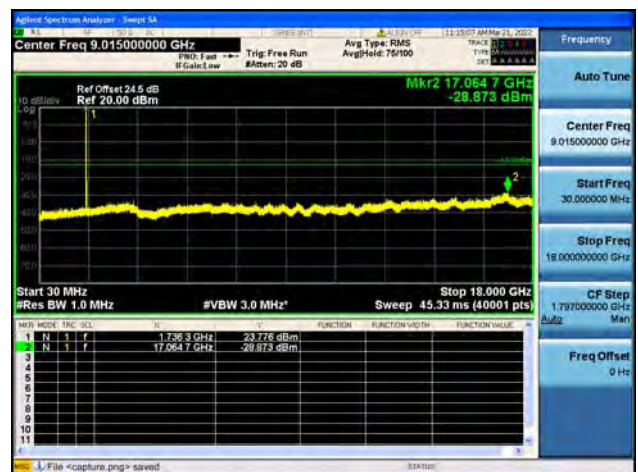
Band4 / 20MHz / Mid CH / 16QAM



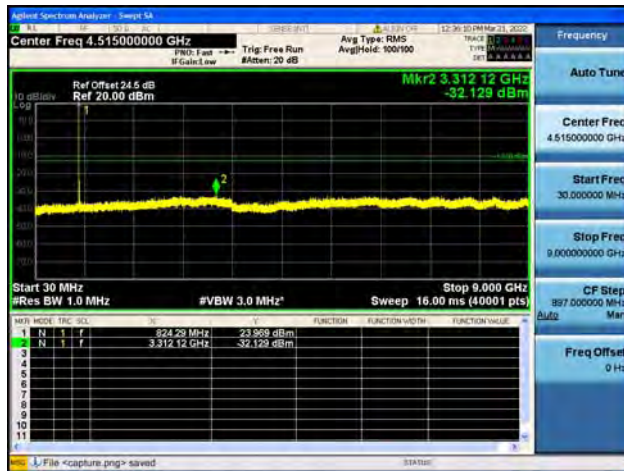
Band4 / 20MHz / High CH / QPSK



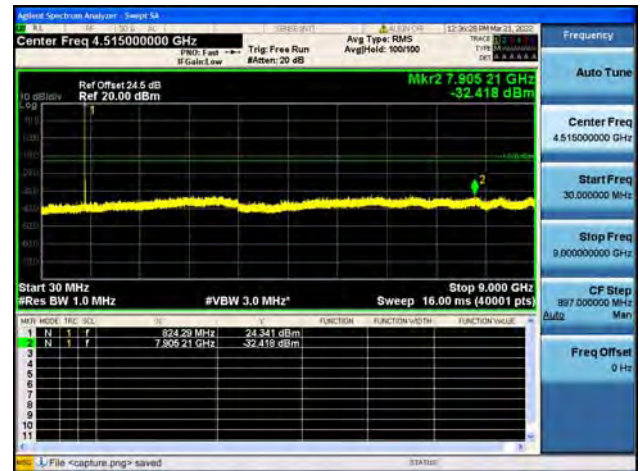
Band4 / 20MHz / High CH / 16QAM



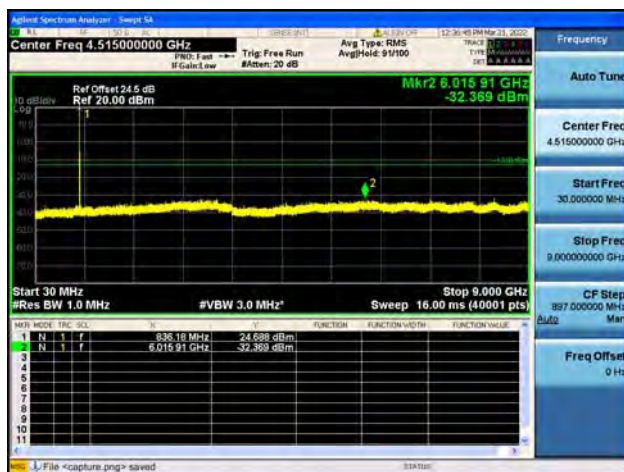
Band5 / 1.4MHz / Low CH / QPSK



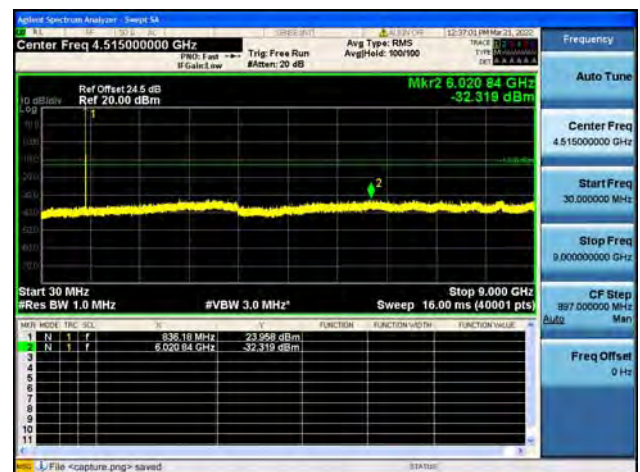
Band5 / 1.4MHz / Low CH / 16QAM



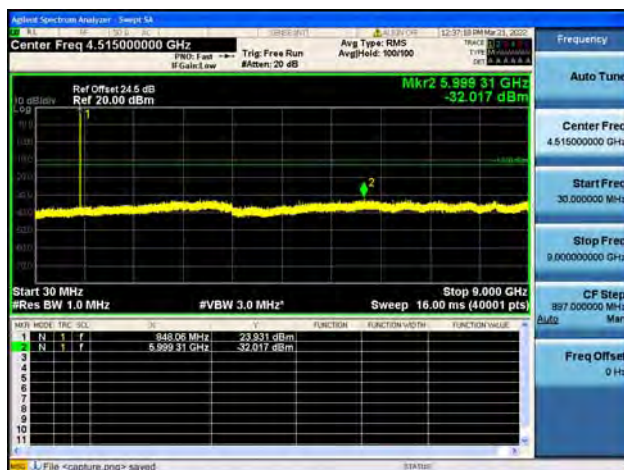
Band5 / 1.4MHz / Mid CH / QPSK



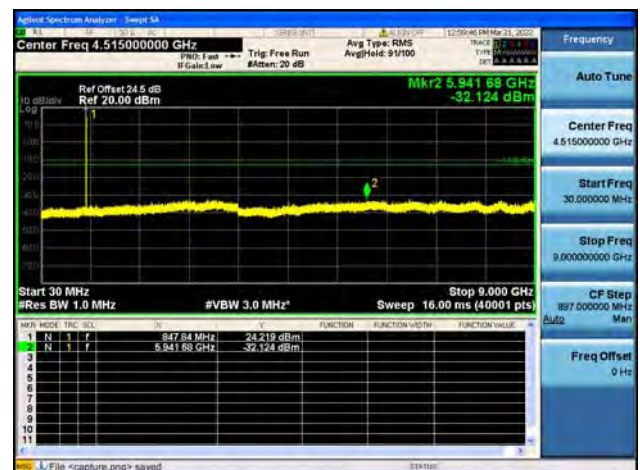
Band5 / 1.4MHz / Mid CH / 16QAM



Band5 / 1.4MHz / High CH / QPSK



Band5 / 1.4MHz / High CH / 16QAM

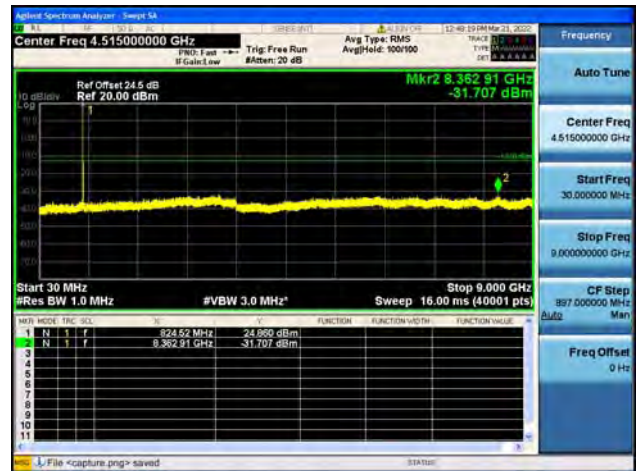




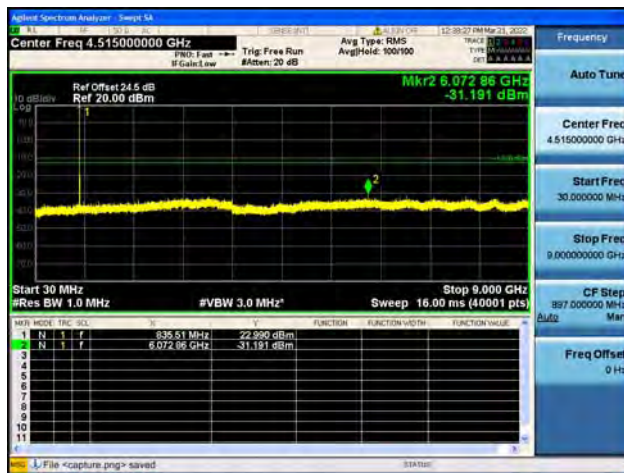
Band5 / 3MHz / Low CH / QPSK



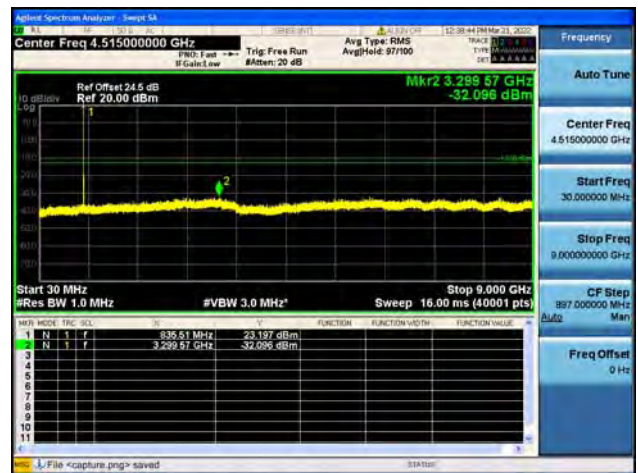
Band5 / 3MHz / Low CH / 16QAM



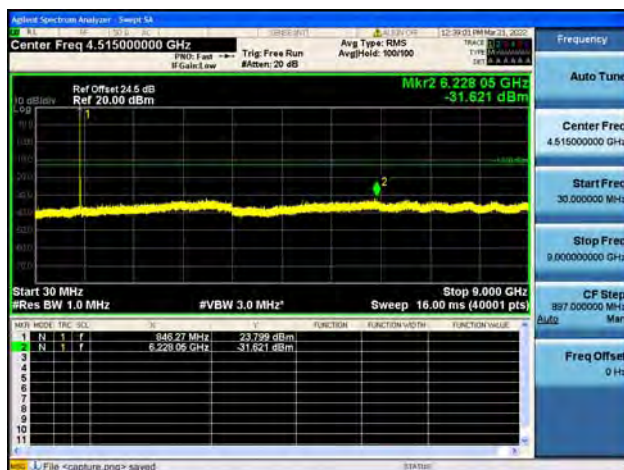
Band5 / 3MHz / Mid CH / QPSK



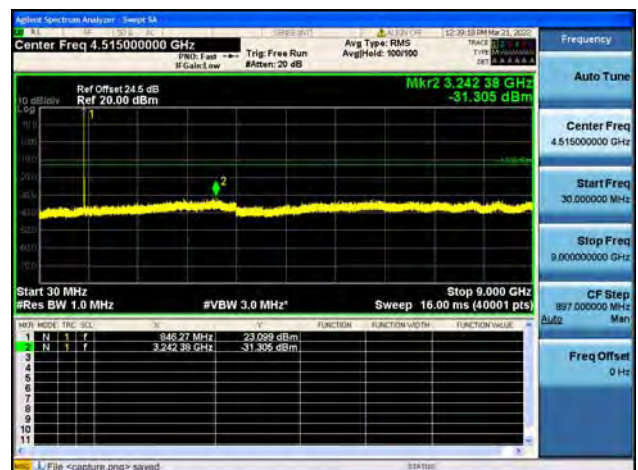
Band5 / 3MHz / Mid CH / 16QAM



Band5 / 3MHz / High CH / QPSK

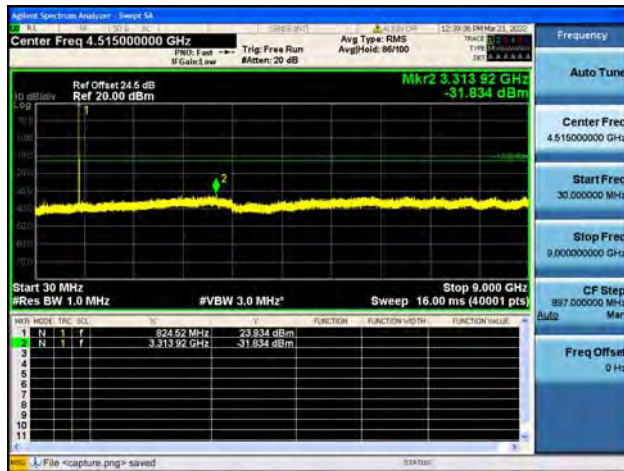


Band5 / 3MHz / High CH / 16QAM

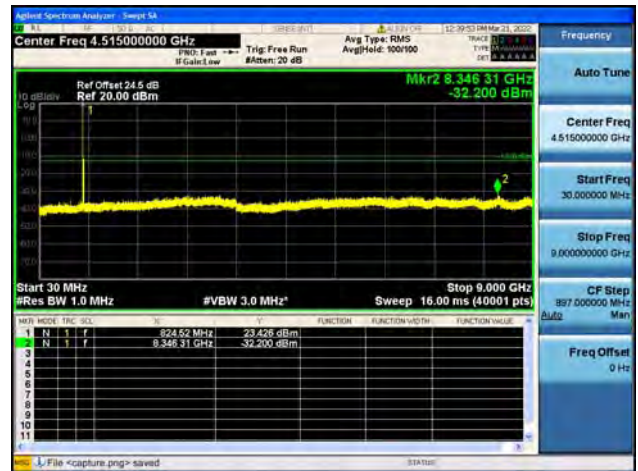




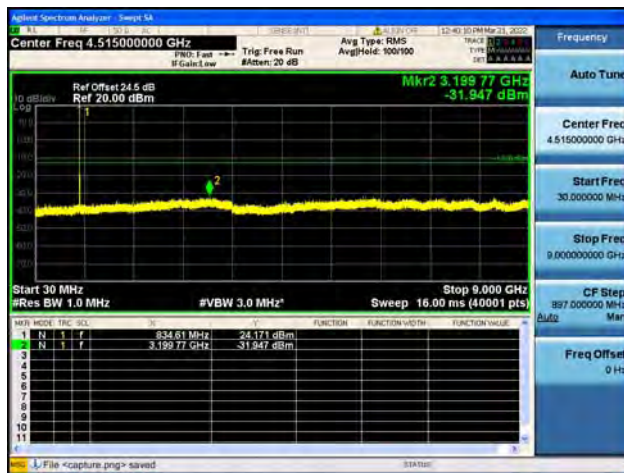
Band5 / 5MHz / Low CH / QPSK



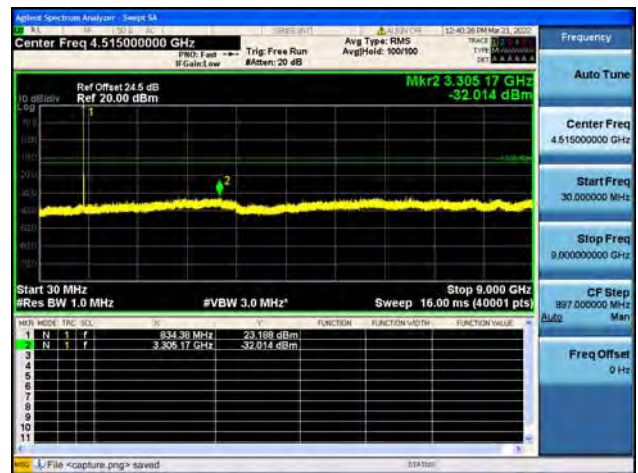
Band5 / 5MHz / Low CH / 16QAM



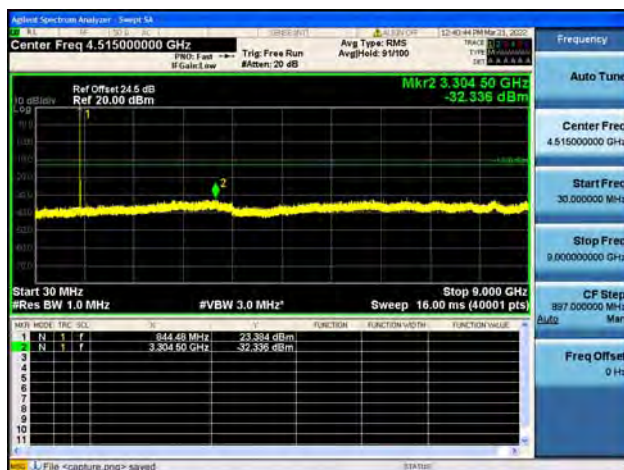
Band5 / 5MHz / Mid CH / QPSK



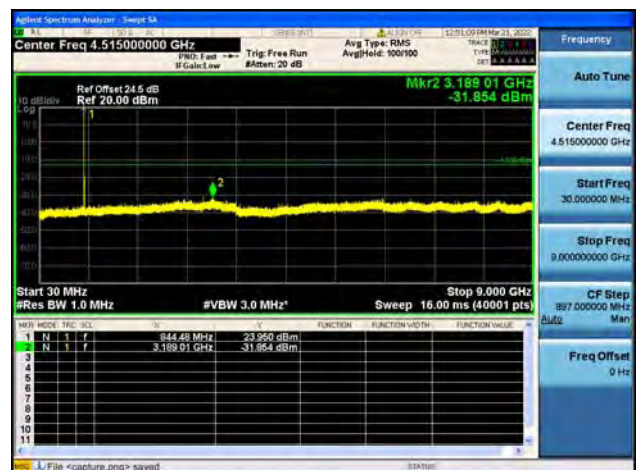
Band5 / 5MHz / Mid CH / 16QAM



Band5 / 5MHz / High CH / QPSK

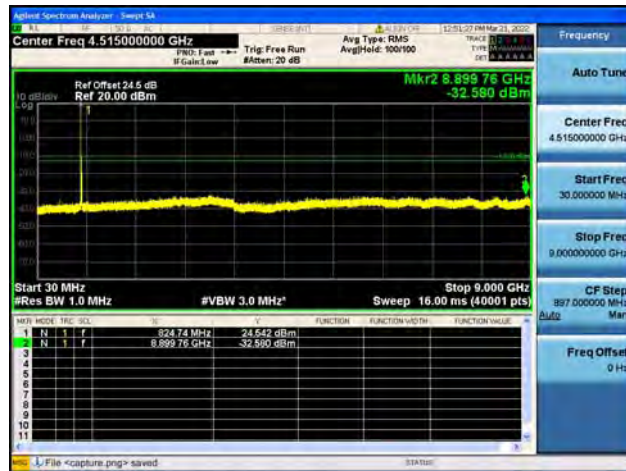


Band5 / 5MHz / High CH / 16QAM

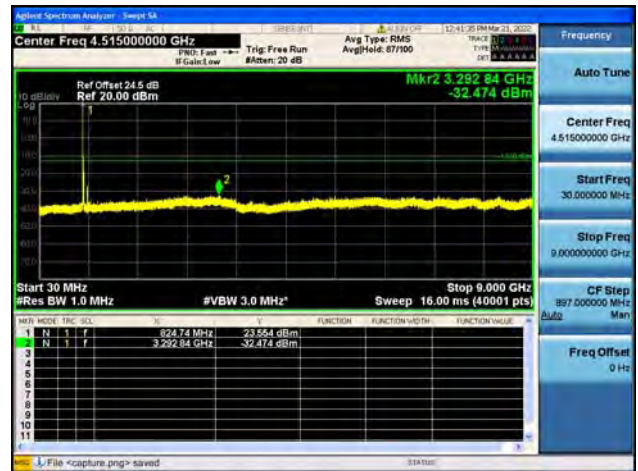




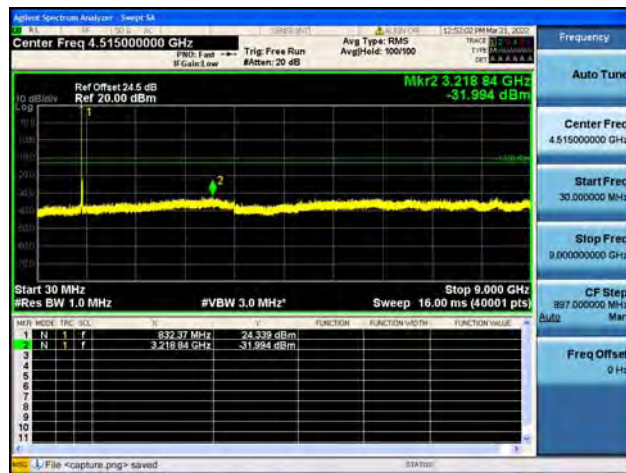
Band5 / 10MHz / Low CH / QPSK



Band5 / 10MHz / Low CH / 16QAM



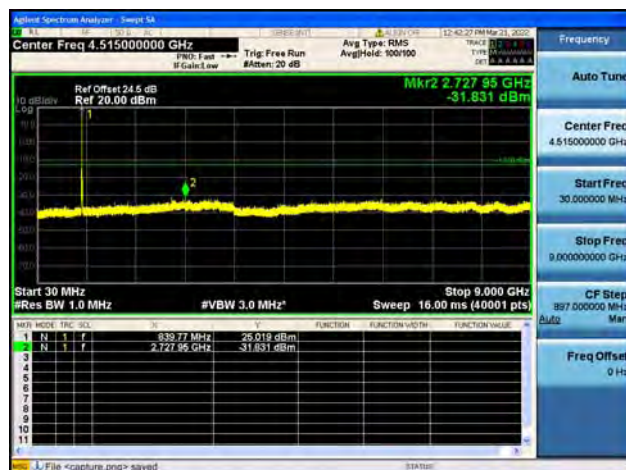
Band5 / 10MHz / Mid CH / QPSK



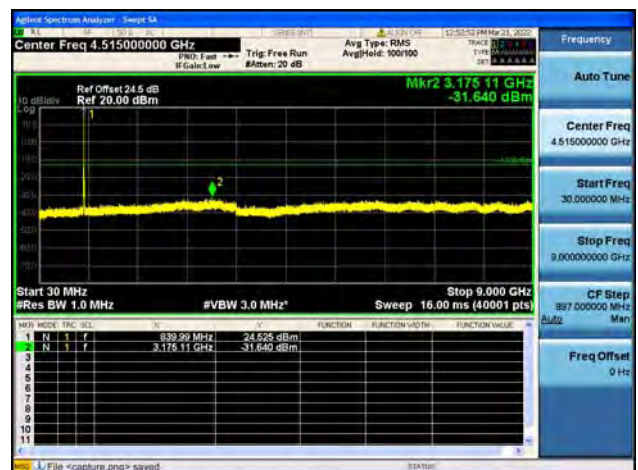
Band5 / 10MHz / Mid CH / 16QAM



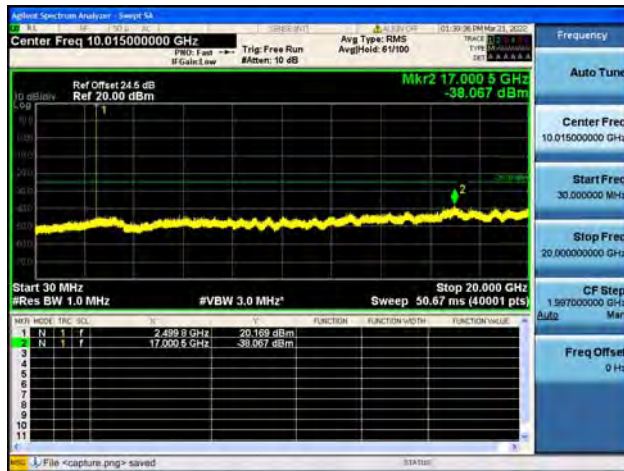
Band5 / 10MHz / High CH / QPSK



Band5 / 10MHz / High CH / 16QAM



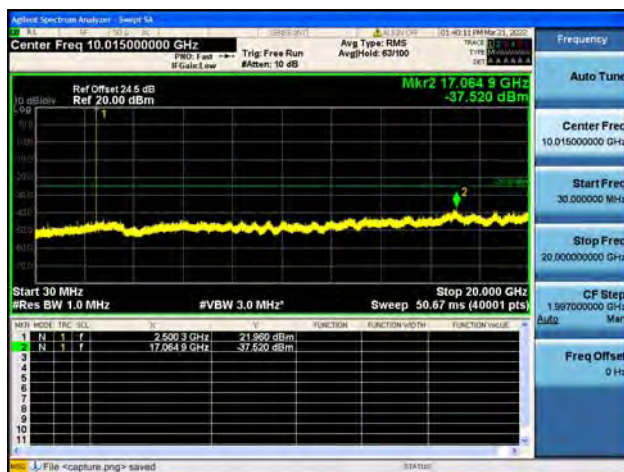
Band7-30M-20G / 5MHz / Low CH / QPSK



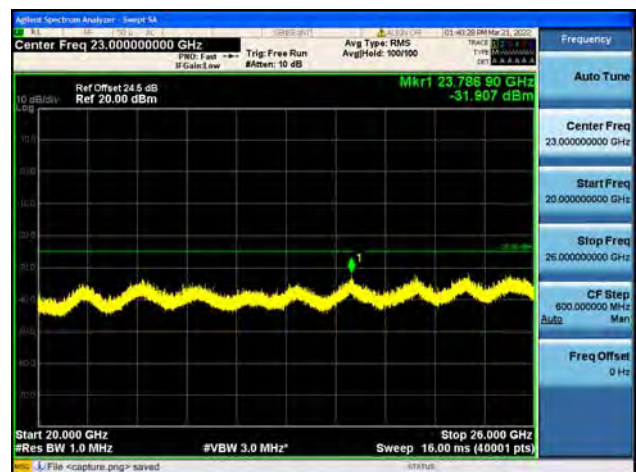
Band7-20G-26G / 5MHz / Low CH / QPSK



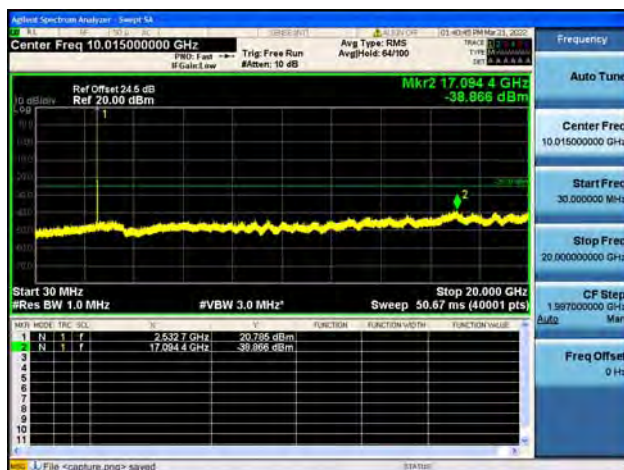
Band7-30M-20G / 5MHz / Low CH / 16QAM



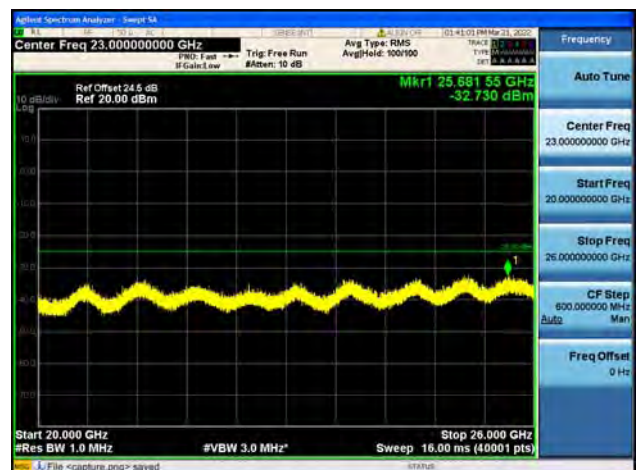
Band7-20G-26G / 5MHz / Low CH / 16QAM



Band7-30M-20G / 5MHz / Mid CH / QPSK

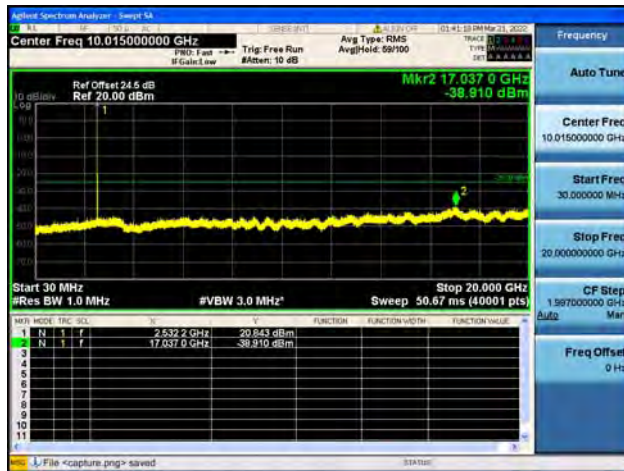


Band7-20G-26G / 5MHz / Mid CH / QPSK





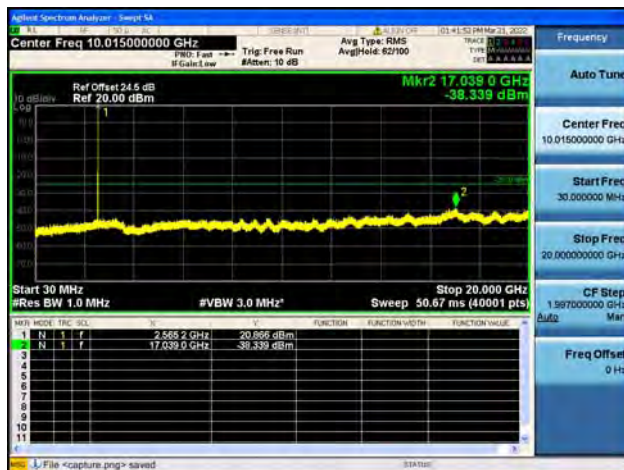
Band7-30M-20G / 5MHz / Mid CH / 16QAM



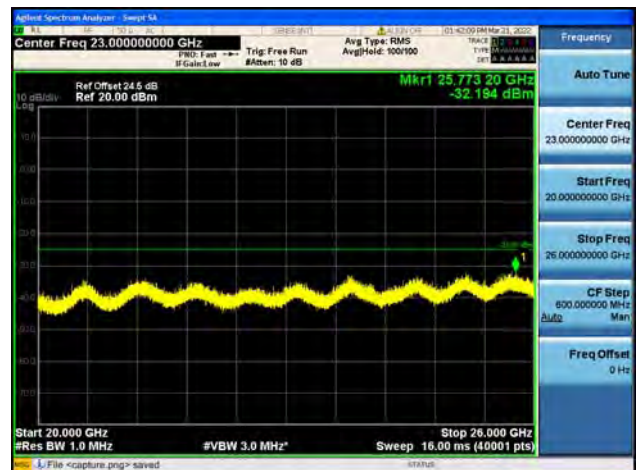
Band7-20G-26G / 5MHz / Mid CH / 16QAM



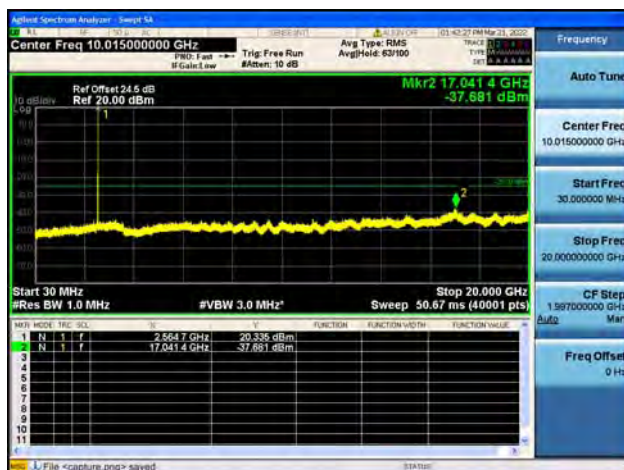
Band7-30M-20G / 5MHz / High CH / QPSK



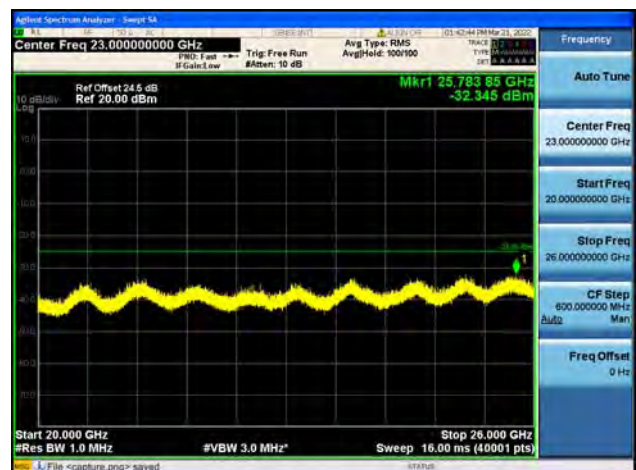
Band7-20G-26G / 5MHz / High CH / QPSK



Band7-30M-20G / 5MHz / High CH / 16QAM

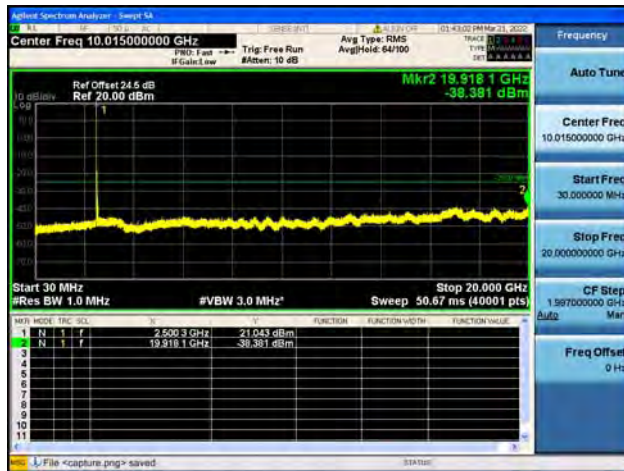


Band7-20G-26G / 5MHz / High CH / 16QAM





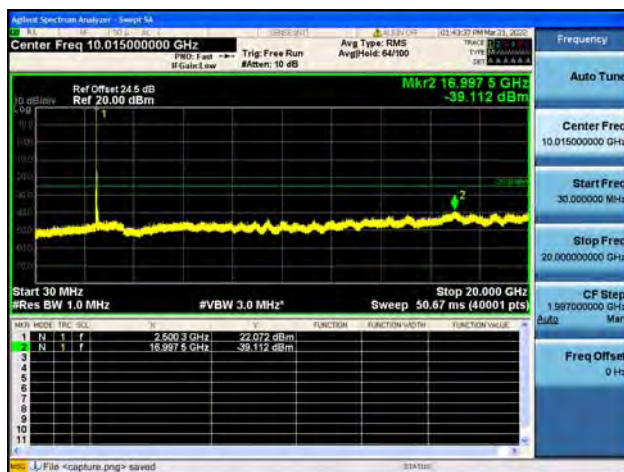
Band7-30M-20G / 10MHz / Low CH / QPSK



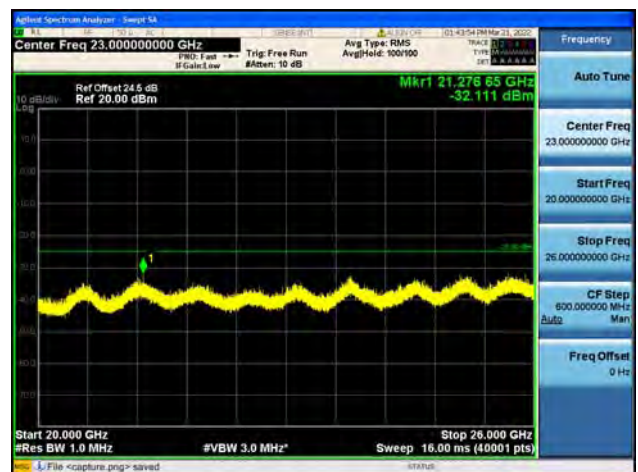
Band7-20G-26G / 10MHz / Low CH / QPSK



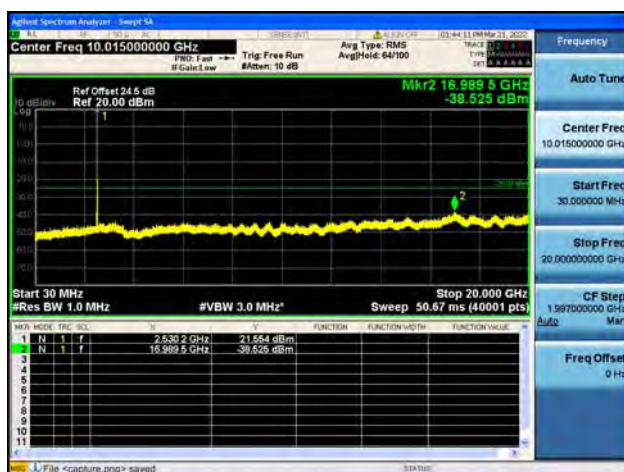
Band7-30M-20G / 10MHz / Low CH / 16QAM



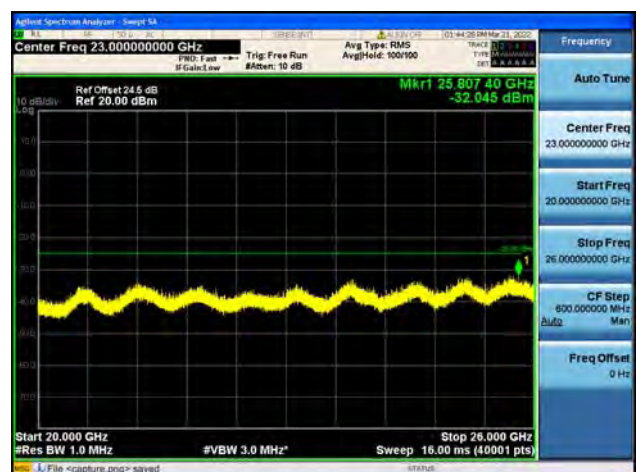
Band7-20G-26G / 10MHz / Low CH / 16QAM



Band7-30M-20G / 10MHz / Mid CH / QPSK

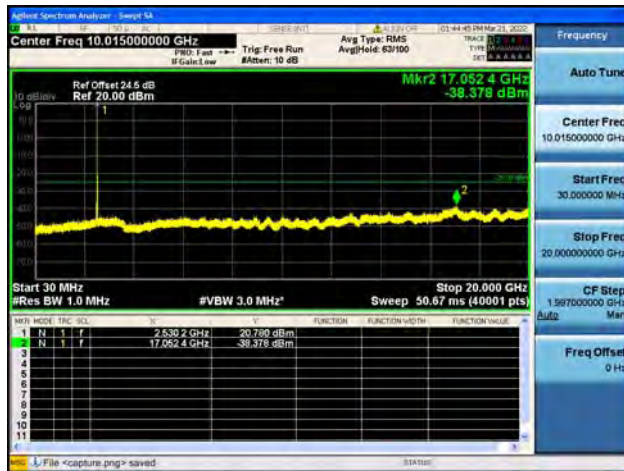


Band7-20G-26G / 10MHz / Mid CH / QPSK





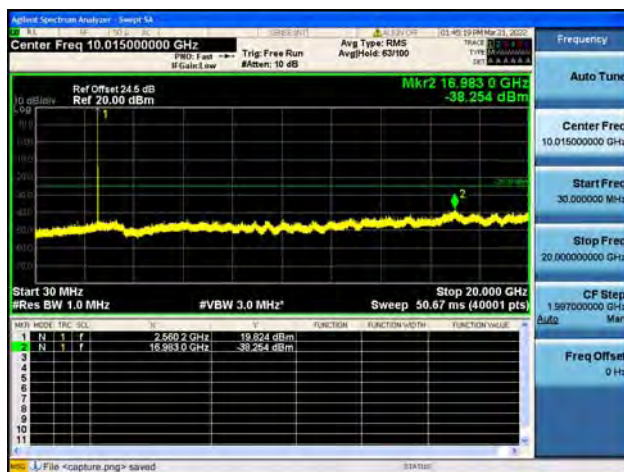
Band7-30M-20G / 10MHz / Mid CH / 16QAM



Band7-20G-26G / 10MHz / Mid CH / 16QAM



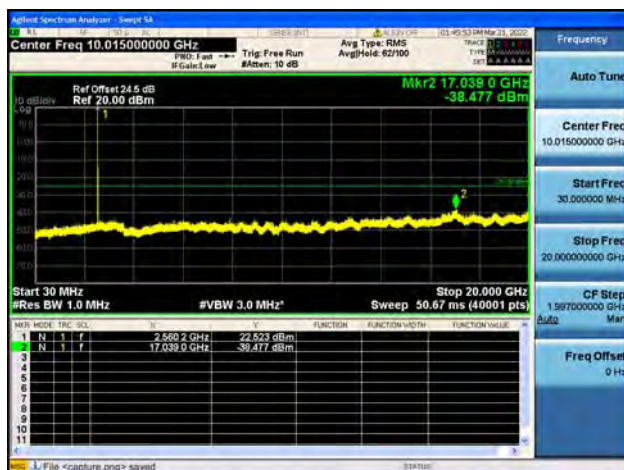
Band7-30M-20G / 10MHz / High CH / QPSK



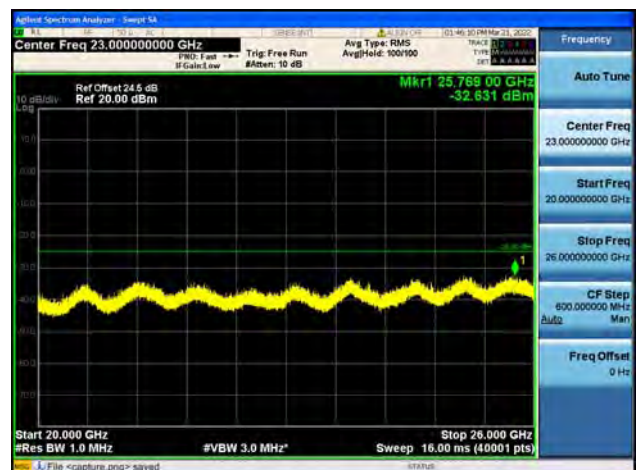
Band7-20G-26G / 10MHz / High CH / QPSK



Band7-30M-20G / 10MHz / High CH / 16QAM

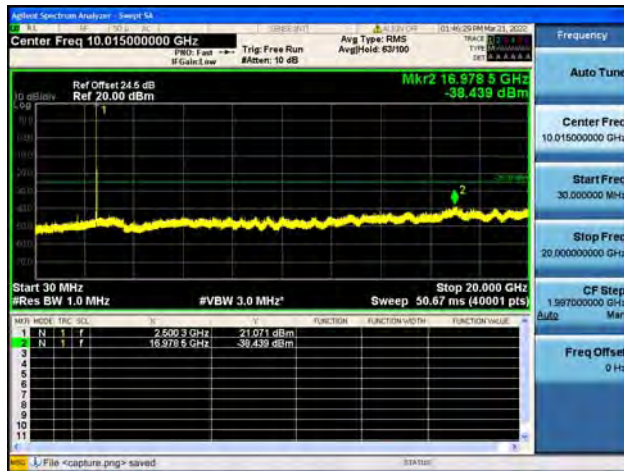


Band7-20G-26G / 10MHz / High CH / 16QAM





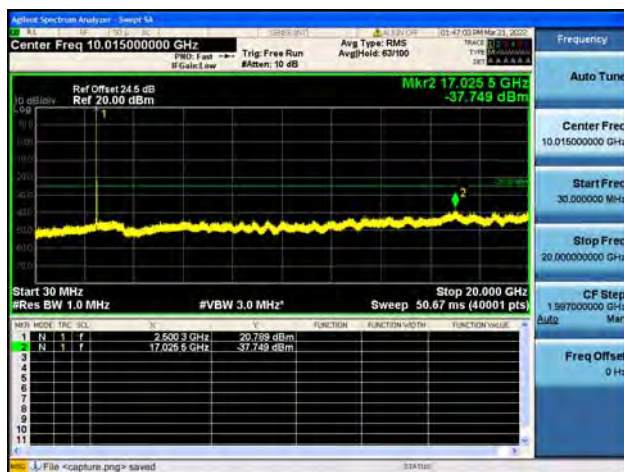
Band7-30M-20G / 15MHz / Low CH / QPSK



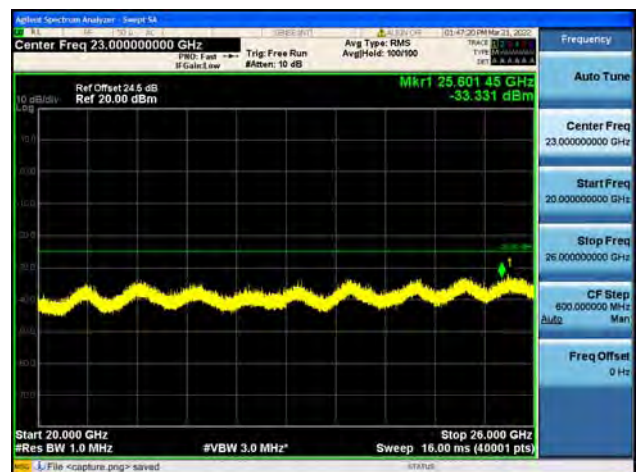
Band7-20G-26G / 15MHz / Low CH / QPSK



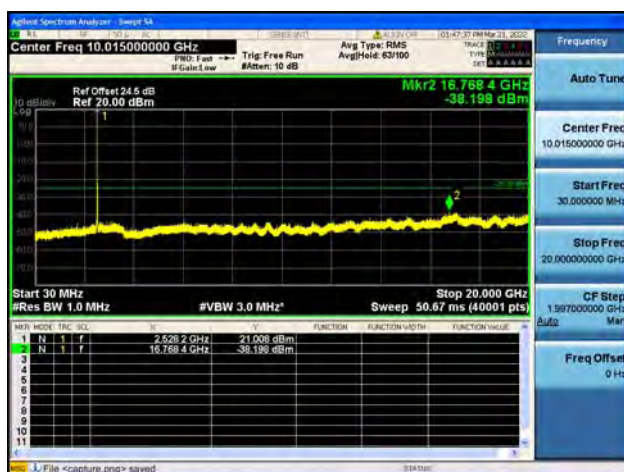
Band7-30M-20G / 15MHz / Low CH / 16QAM



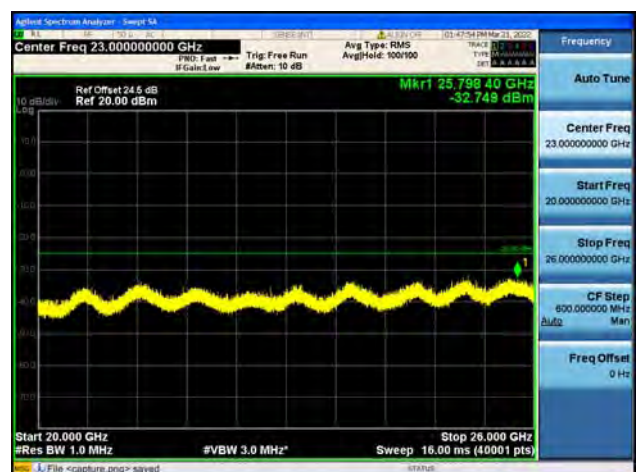
Band7-20G-26G / 15MHz / Low CH / 16QAM



Band7-30M-20G / 15MHz / Mid CH / QPSK

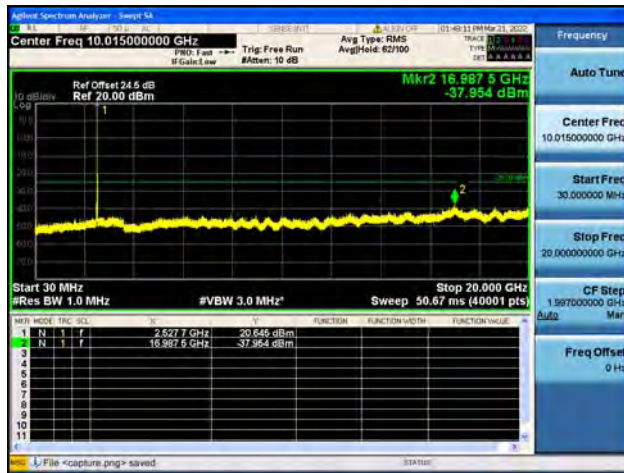


Band7-20G-26G / 15MHz / Mid CH / QPSK





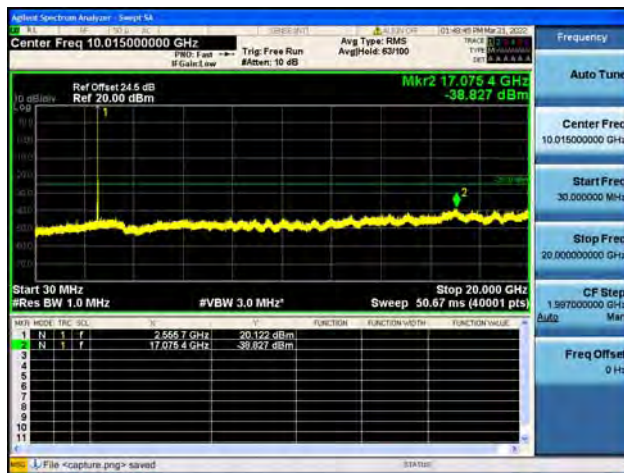
Band7-30M-20G / 15MHz / Mid CH / 16QAM



Band7-20G-26G / 15MHz / Mid CH / 16QAM



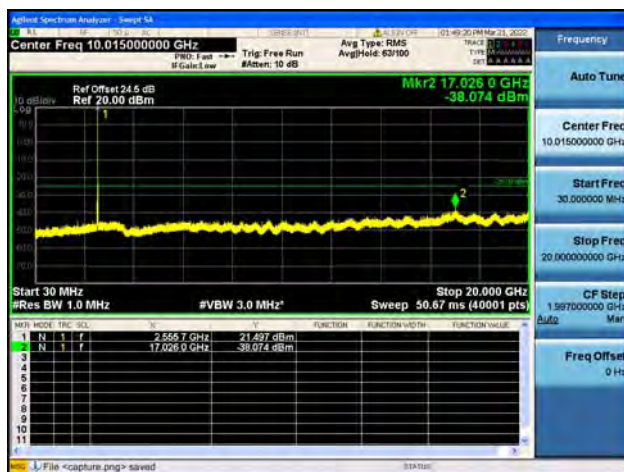
Band7-30M-20G / 15MHz / High CH / QPSK



Band7-20G-26G / 15MHz / High CH / QPSK



Band7-30M-20G / 15MHz / High CH / 16QAM

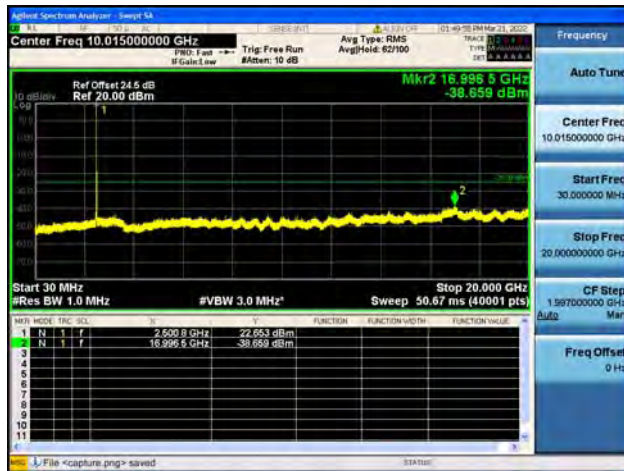


Band7-20G-26G / 15MHz / High CH / 16QAM





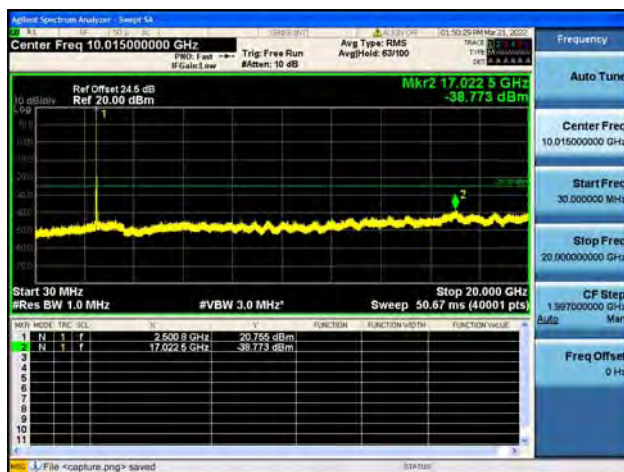
Band7-30M-20G / 20MHz / Low CH / QPSK



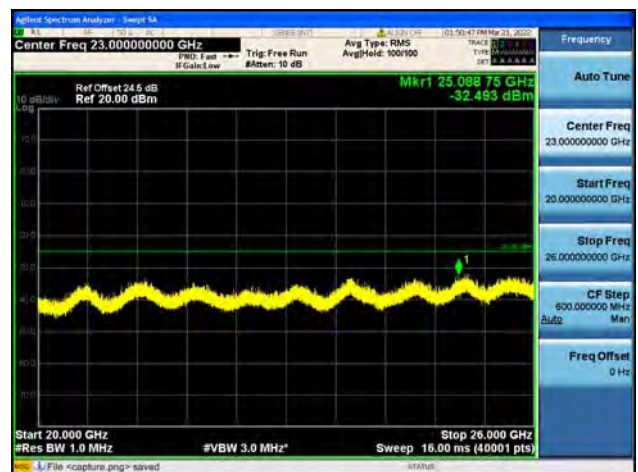
Band7-20G-26G / 20MHz / Low CH / QPSK



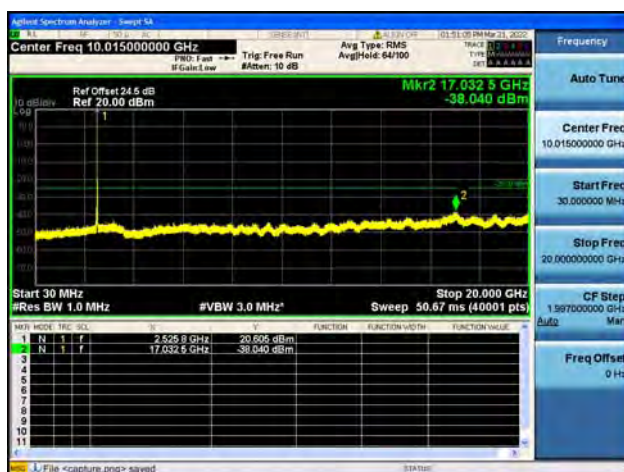
Band7-30M-20G / 20MHz / Low CH / 16QAM



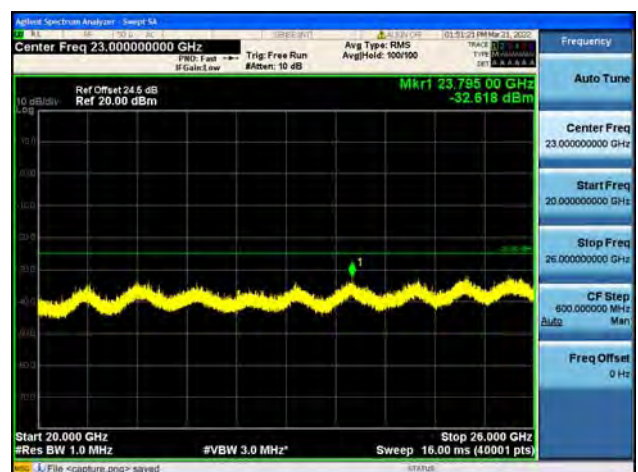
Band7-20G-26G / 20MHz / Low CH / 16QAM



Band7-30M-20G / 20MHz / Mid CH / QPSK

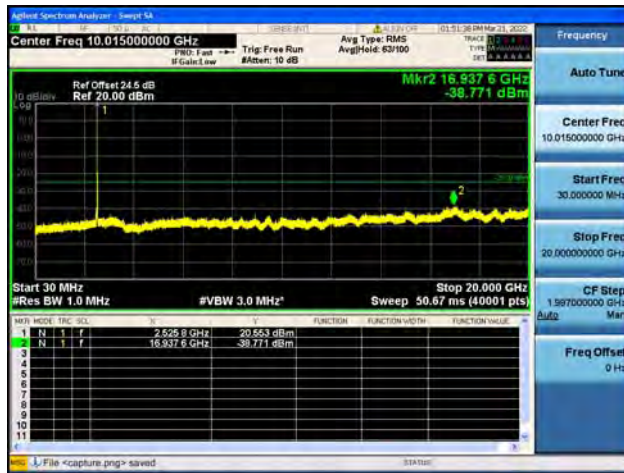


Band7-20G-26G / 20MHz / Mid CH / QPSK





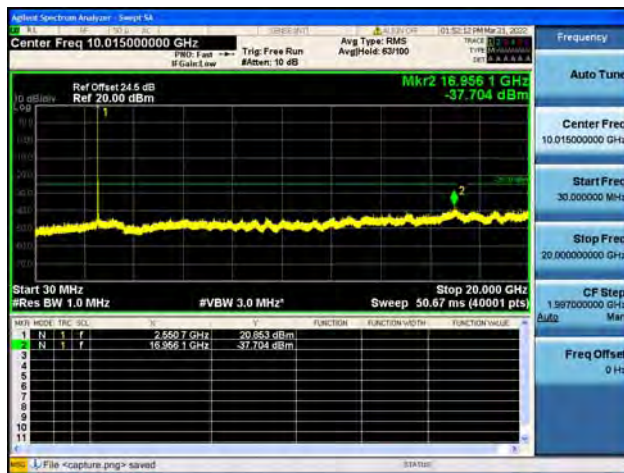
Band7-30M-20G / 20MHz / Mid CH / 16QAM



Band7-20G-26G / 20MHz / Mid CH / 16QAM



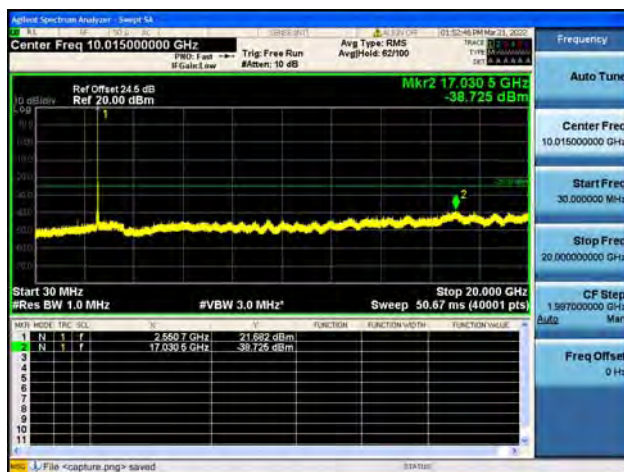
Band7-30M-20G / 20MHz / High CH / QPSK



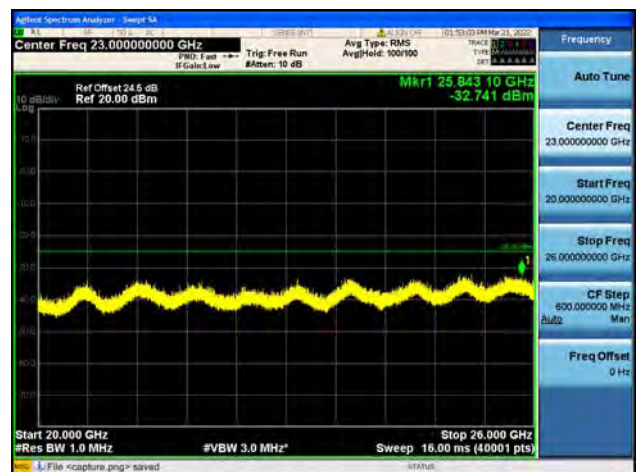
Band7-20G-26G / 20MHz / High CH / QPSK



Band7-30M-20G / 20MHz / High CH / 16QAM

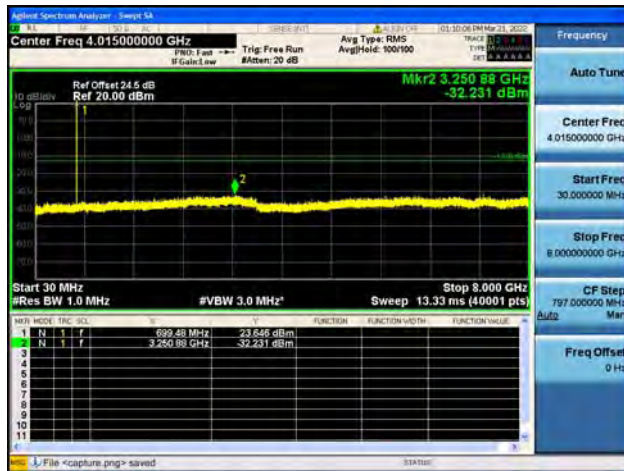


Band7-20G-26G / 20MHz / High CH / 16QAM





Band12 / 1.4MHz / Low CH / QPSK



Band12 / 1.4MHz / Low CH / 16QAM



Band12 / 1.4MHz / Mid CH / QPSK



Band12 / 1.4MHz / Mid CH / 16QAM



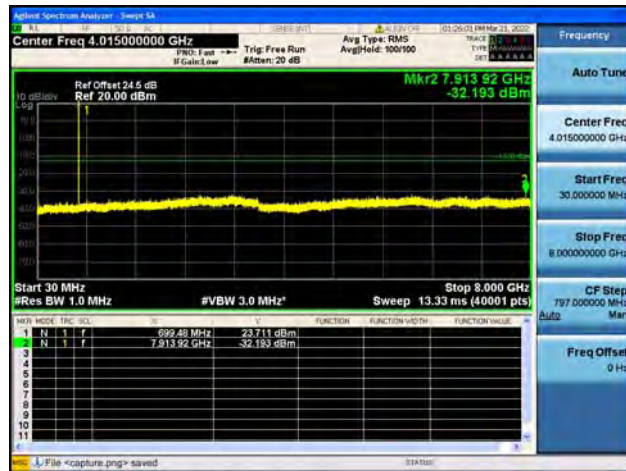
Band12 / 1.4MHz / High CH / QPSK



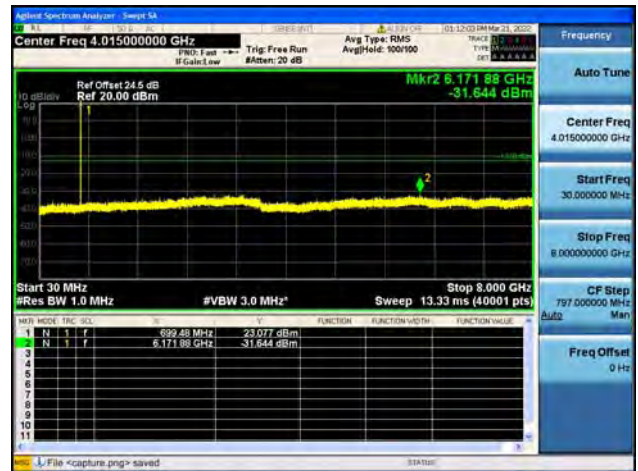
Band12 / 1.4MHz / High CH / 16QAM



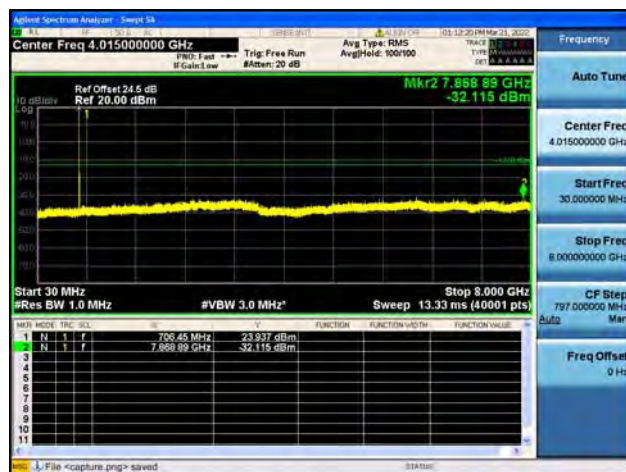
Band12 / 3MHz / Low CH / QPSK



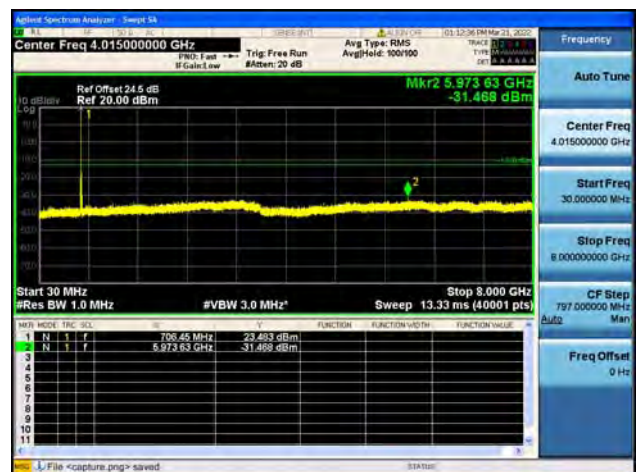
Band12 / 3MHz / Low CH / 16QAM



Band12 / 3MHz / Mid CH / QPSK



Band12 / 3MHz / Mid CH / 16QAM



Band12 / 3MHz / High CH / QPSK



Band12 / 3MHz / High CH / 16QAM





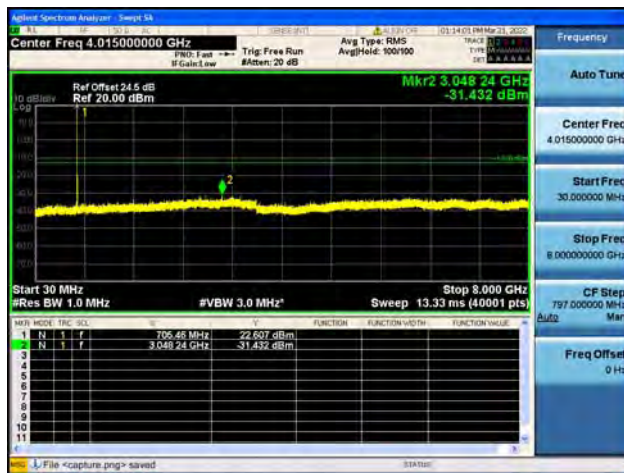
Band12 / 5MHz / Low CH / QPSK



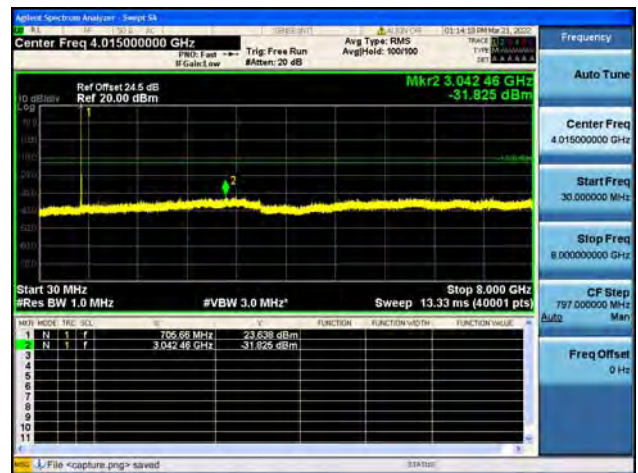
Band12 / 5MHz / Low CH / 16QAM



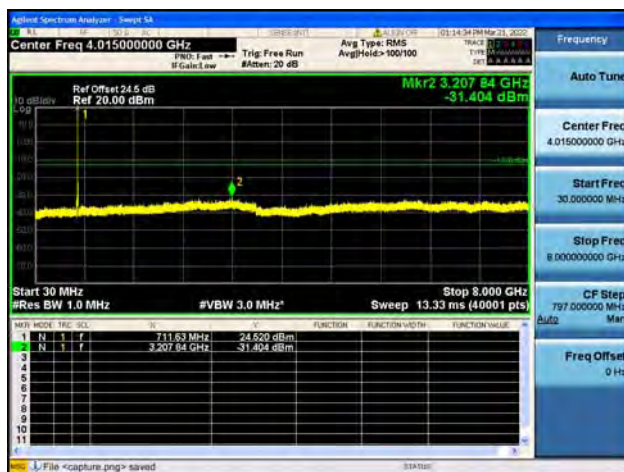
Band12 / 5MHz / Mid CH / QPSK



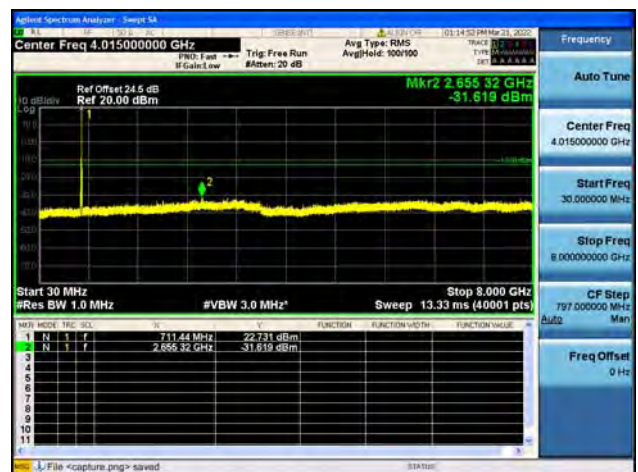
Band12 / 5MHz / Mid CH / 16QAM



Band12 / 5MHz / High CH / QPSK

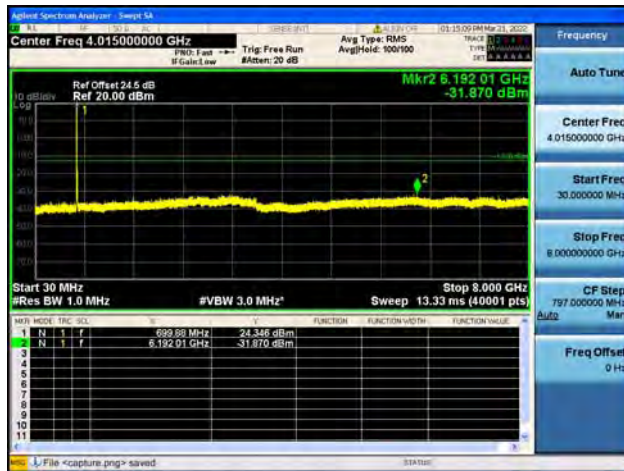


Band12 / 5MHz / High CH / 16QAM





Band12 / 10MHz / Low CH / QPSK



Band12 / 10MHz / Low CH / 16QAM



Band12 / 10MHz / Mid CH / QPSK



Band12 / 10MHz / Mid CH / 16QAM



Band12 / 10MHz / High CH / QPSK

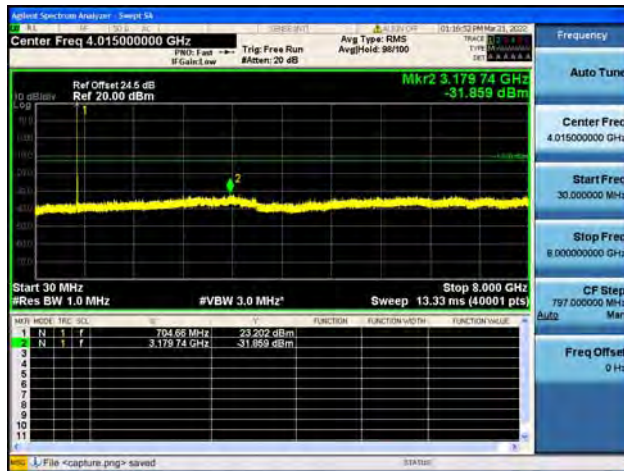


Band12 / 10MHz / High CH / 16QAM

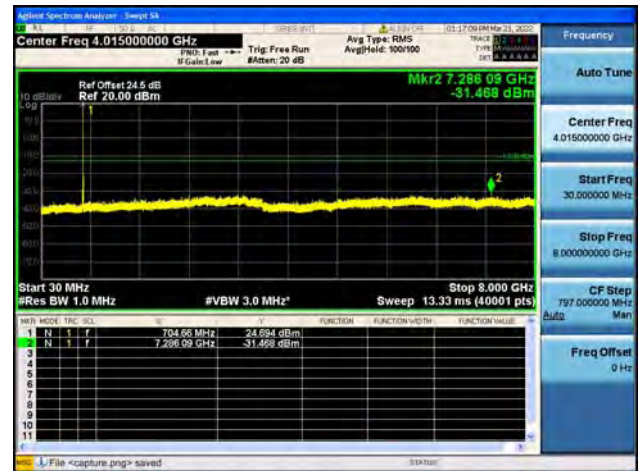




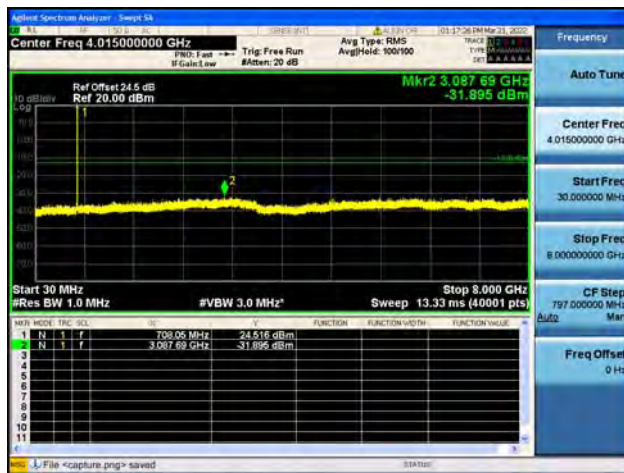
Band17 / 5MHz / Low CH / QPSK



Band17 / 5MHz / Low CH / 16QAM



Band17 / 5MHz / Mid CH / QPSK



Band17 / 5MHz / Mid CH / 16QAM



Band17 / 5MHz / High CH / QPSK

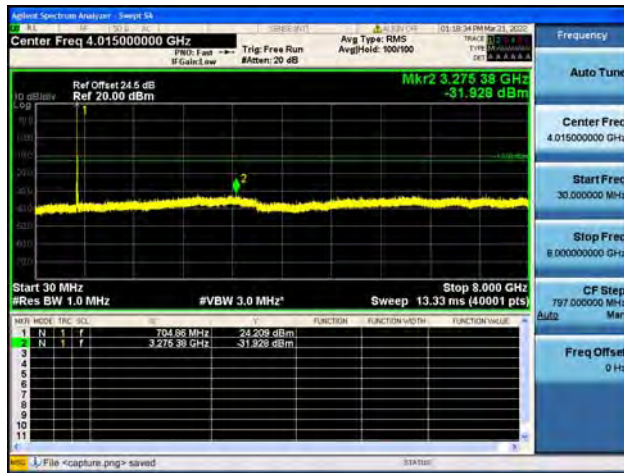


Band17 / 5MHz / High CH / 16QAM





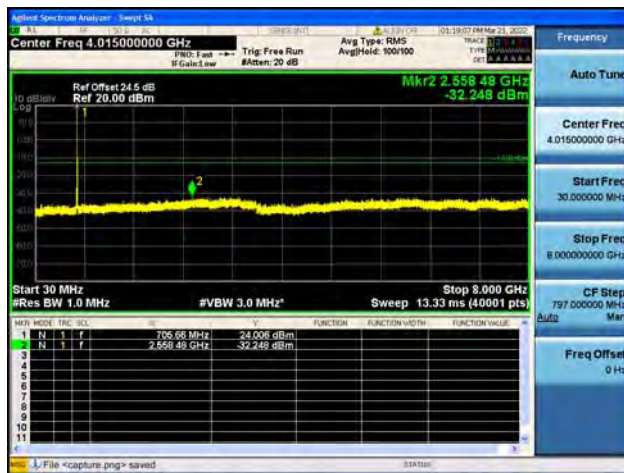
Band17 / 10MHz / Low CH / QPSK



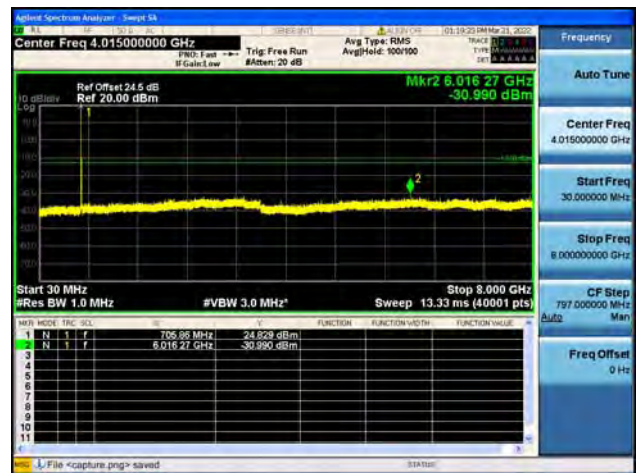
Band17 / 10MHz / Low CH / 16QAM



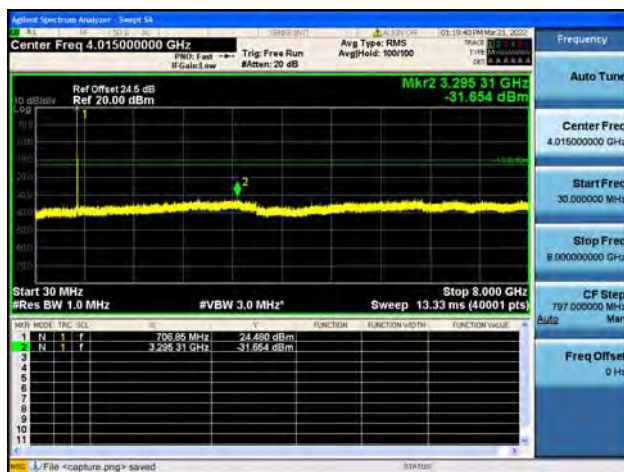
Band17 / 10MHz / Mid CH / QPSK



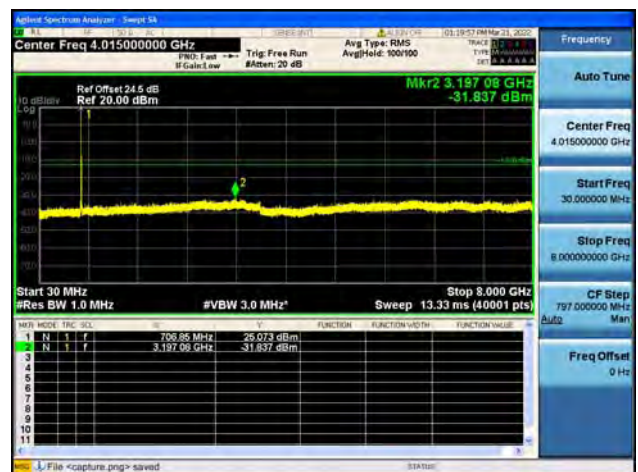
Band17 / 10MHz / Mid CH / 16QAM



Band17 / 10MHz / High CH / QPSK

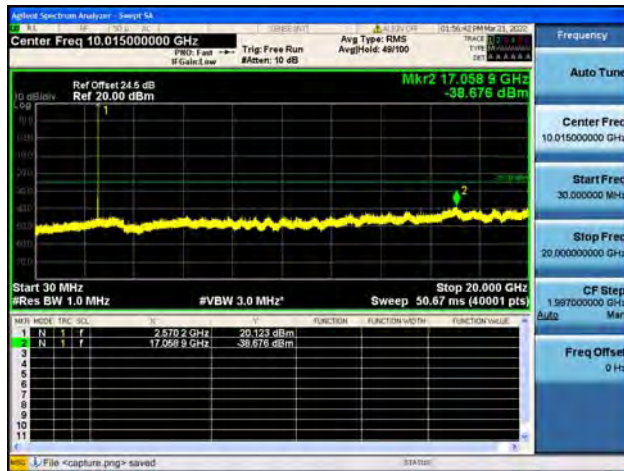


Band17 / 10MHz / High CH / 16QAM





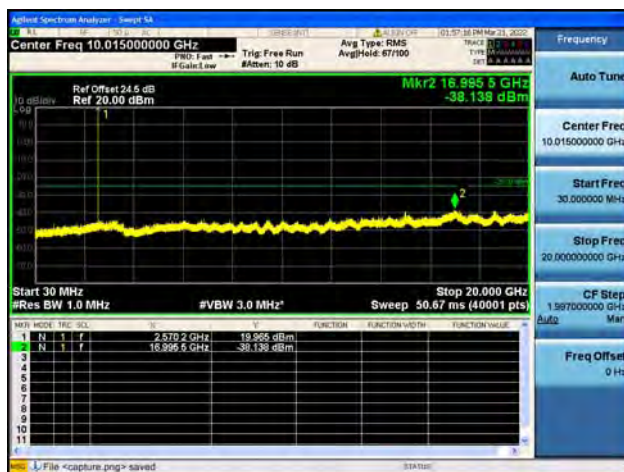
Band38-30M-20G / 5MHz / Low CH / QPSK



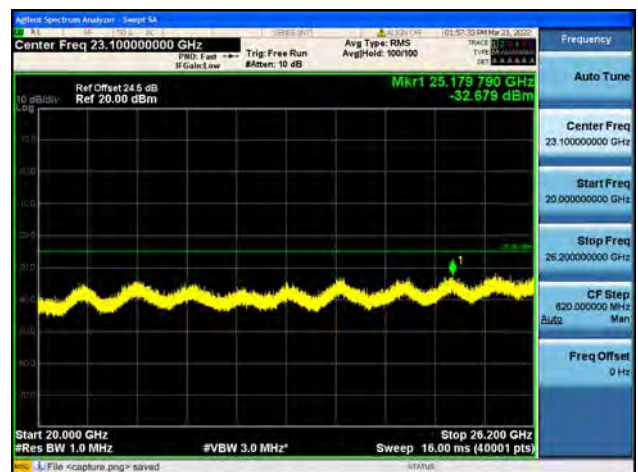
Band38-20G-26G / 5MHz / Low CH / QPSK



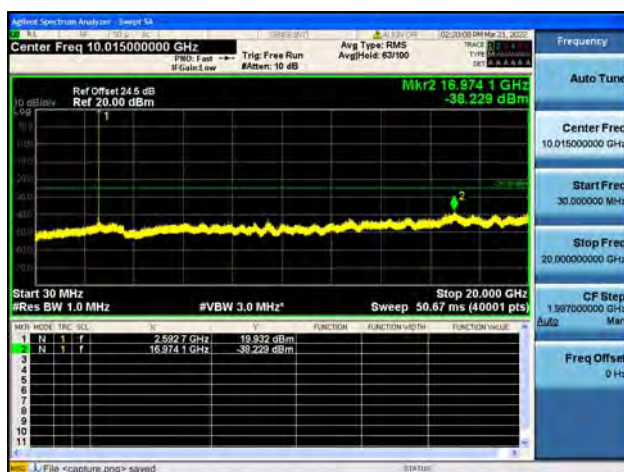
Band38-30M-20G / 5MHz / Low CH / 16QAM



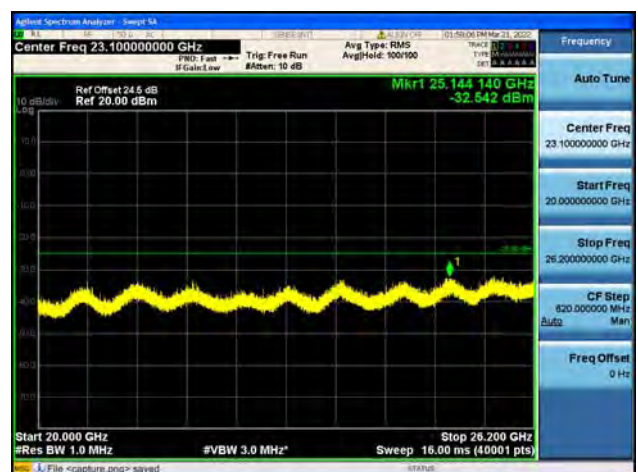
Band38-20G-26G / 5MHz / Low CH / 16QAM



Band38-30M-20G / 5MHz / Mid CH / QPSK

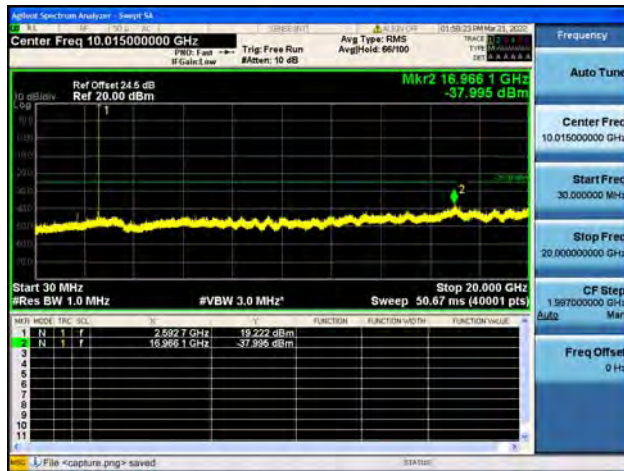


Band38-20G-26G / 5MHz / Mid CH / QPSK





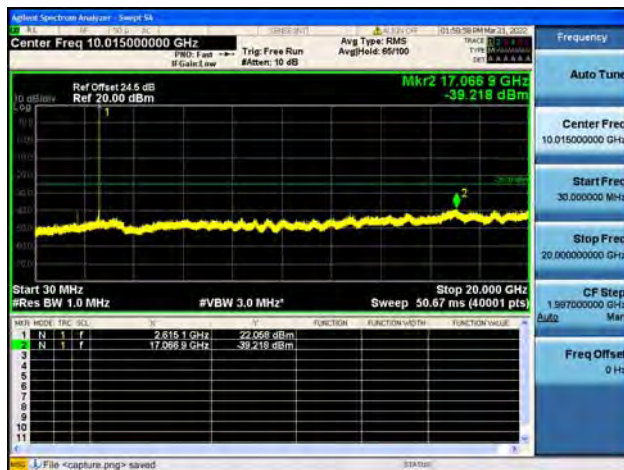
Band38-30M-20G / 5MHz / Mid CH / 16QAM



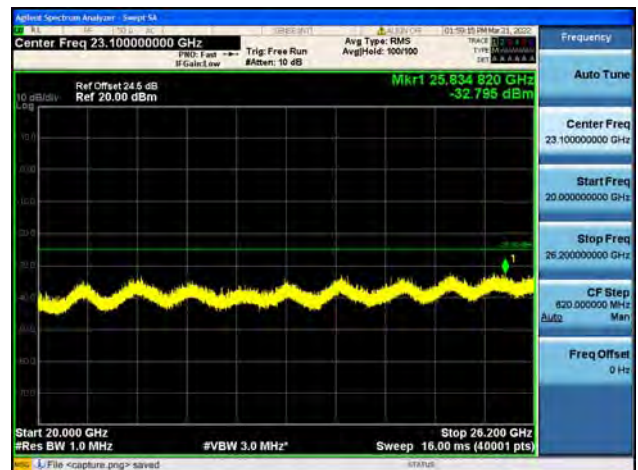
Band38-20G-26G / 5MHz / Mid CH / 16QAM



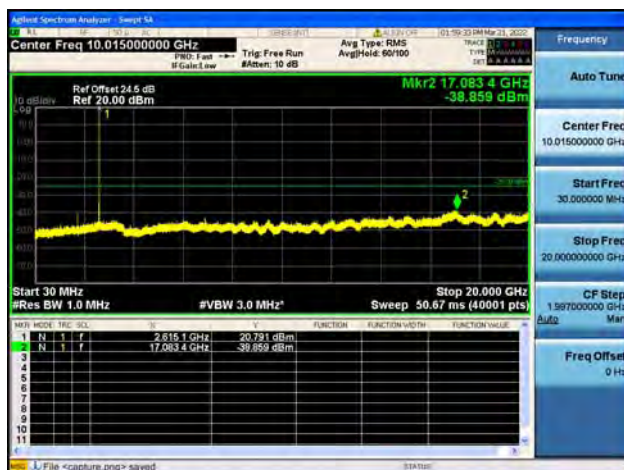
Band38-30M-20G / 5MHz / High CH / QPSK



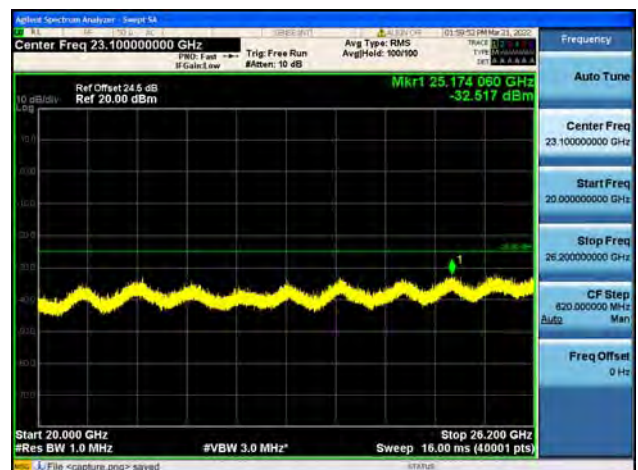
Band38-20G-26G / 5MHz / High CH / QPSK



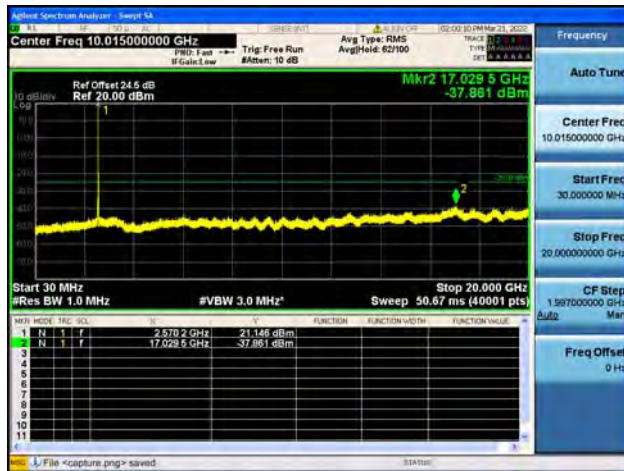
Band38-30M-20G / 5MHz / High CH / 16QAM



Band38-20G-26G / 5MHz / High CH / 16QAM



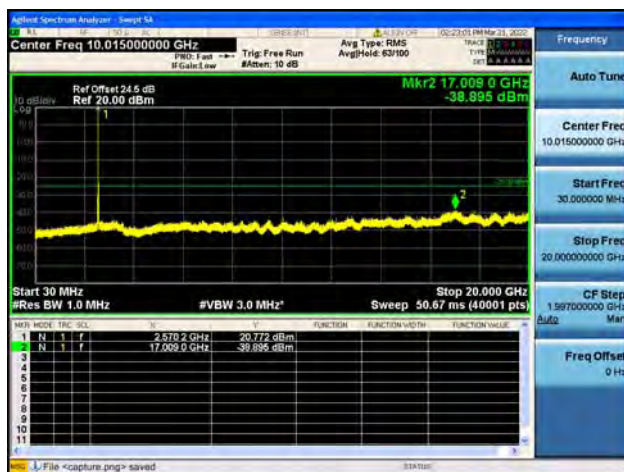
Band38-30M-20G / 10MHz / Low CH / QPSK



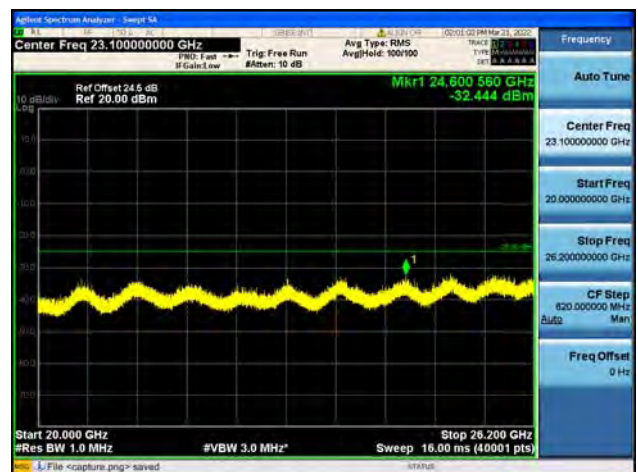
Band38-20G-26G / 10MHz / Low CH / QPSK



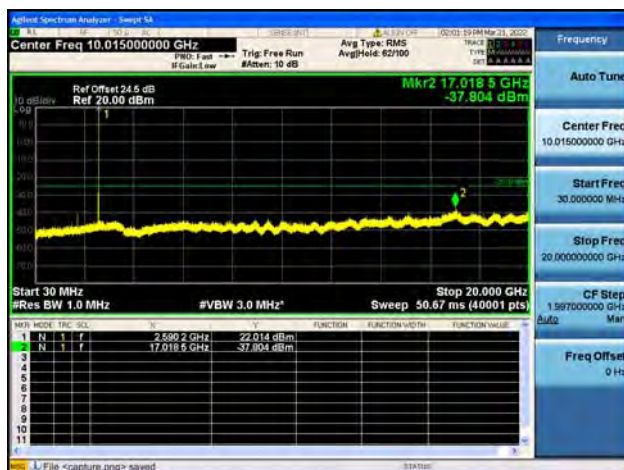
Band38-30M-20G / 10MHz / Low CH / 16QAM



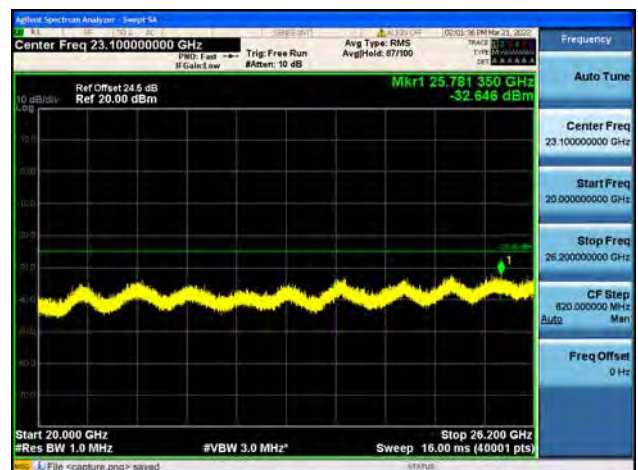
Band38-20G-26G / 10MHz / Low CH / 16QAM



Band38-30M-20G / 10MHz / Mid CH / QPSK

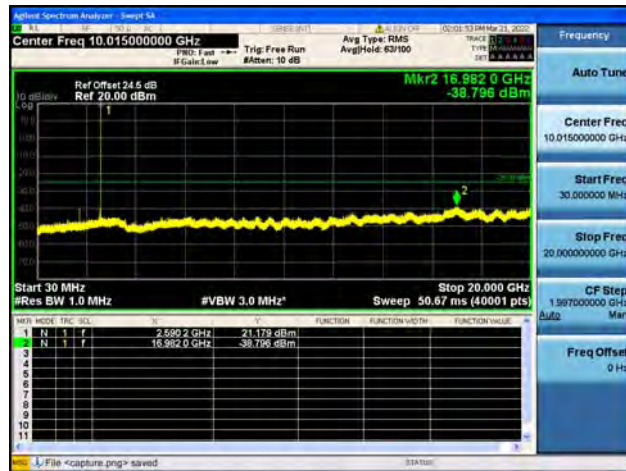


Band38-20G-26G / 10MHz / Mid CH / QPSK





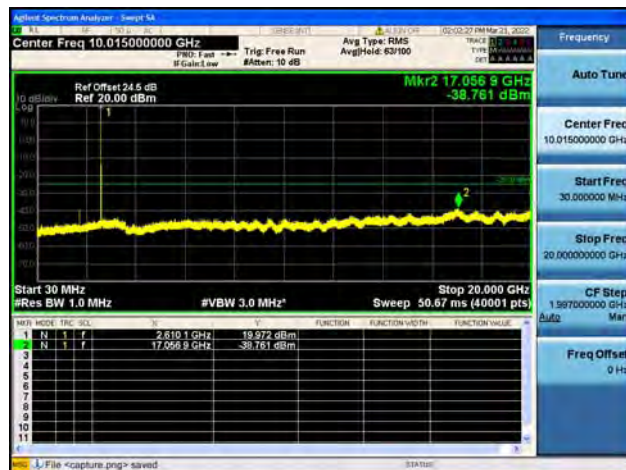
Band38-30M-20G / 10MHz / Mid CH / 16QAM



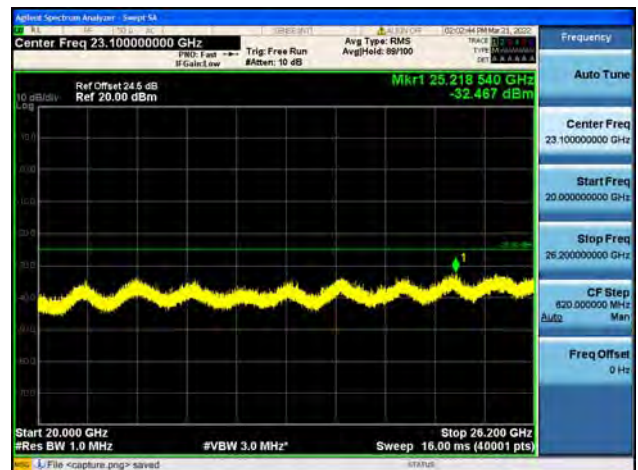
Band38-20G-26G / 10MHz / Mid CH / 16QAM



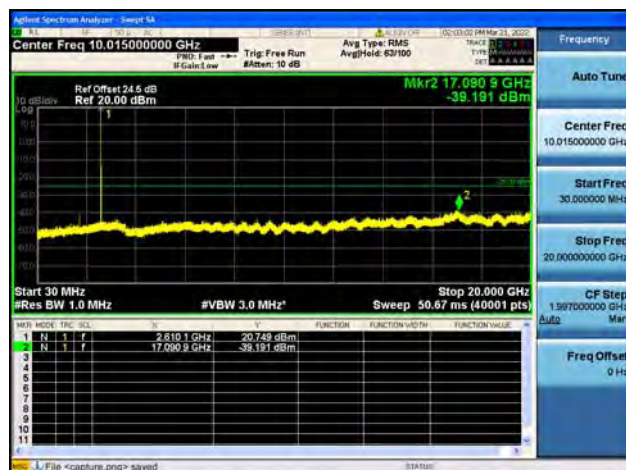
Band38-30M-20G / 10MHz / High CH / QPSK



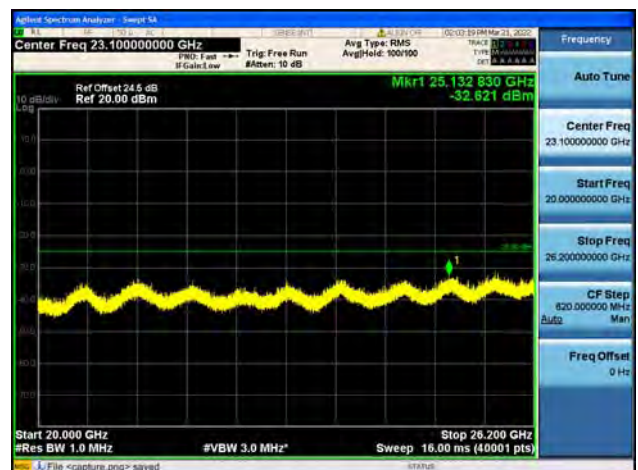
Band38-20G-26G / 10MHz / High CH / QPSK



Band38-30M-20G / 10MHz / High CH / 16QAM

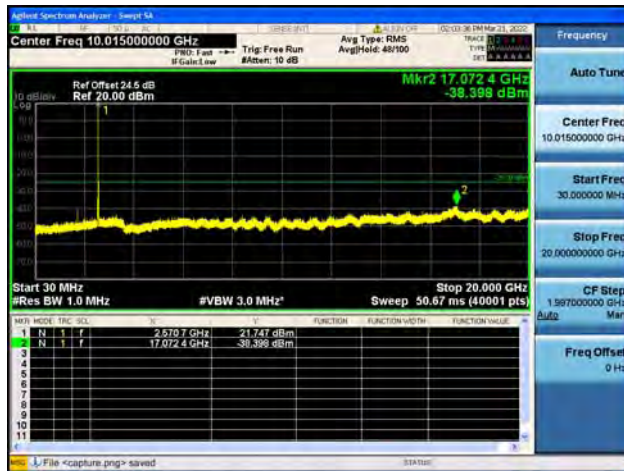


Band38-20G-26G / 10MHz / High CH / 16QAM





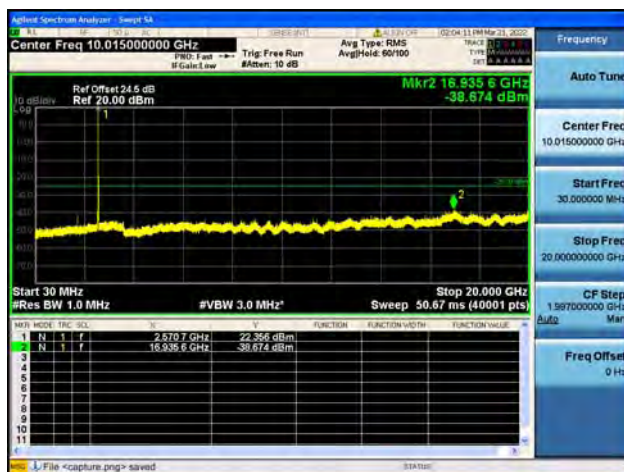
Band38-30M-20G / 15MHz / Low CH / QPSK



Band38-20G-26G / 15MHz / Low CH / QPSK



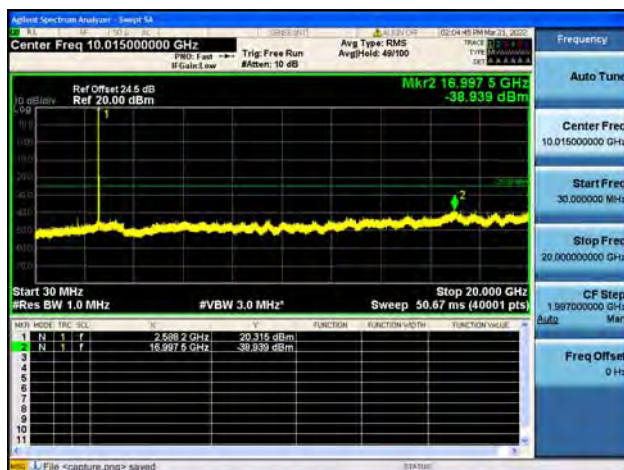
Band38-30M-20G / 15MHz / Low CH / 16QAM



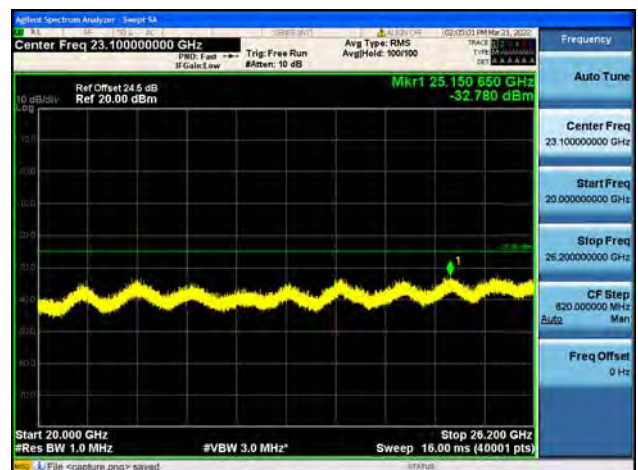
Band38-20G-26G / 15MHz / Low CH / 16QAM



Band38-30M-20G / 15MHz / Mid CH / QPSK

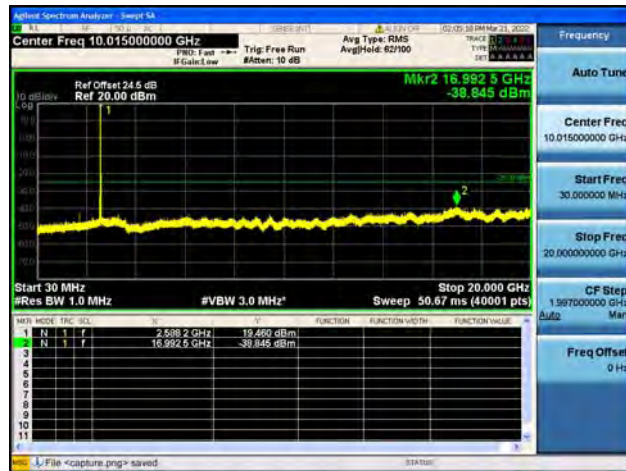


Band38-20G-26G / 15MHz / Mid CH / QPSK





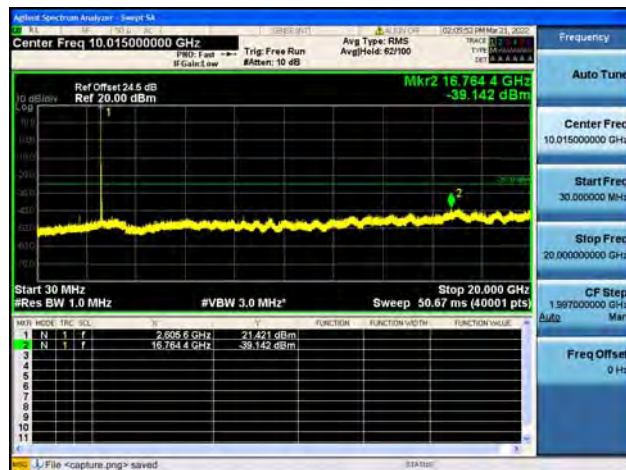
Band38-30M-20G / 15MHz / Mid CH / 16QAM



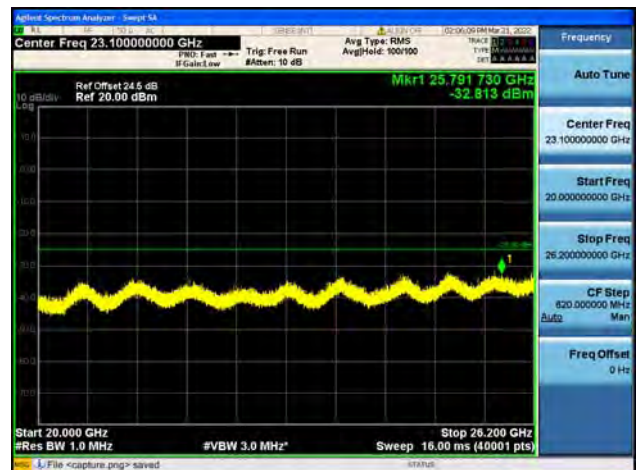
Band38-20G-26G / 15MHz / Mid CH / 16QAM



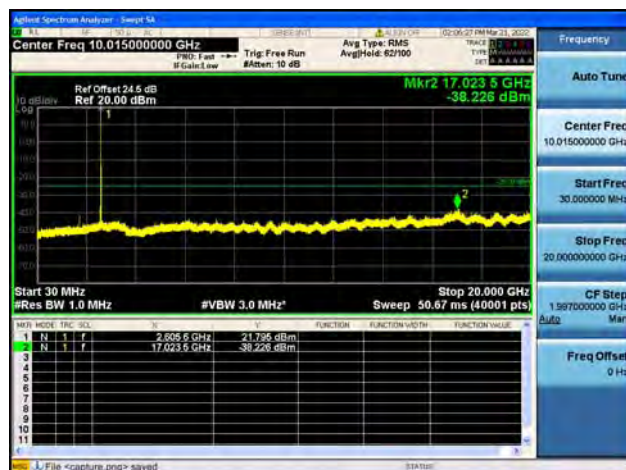
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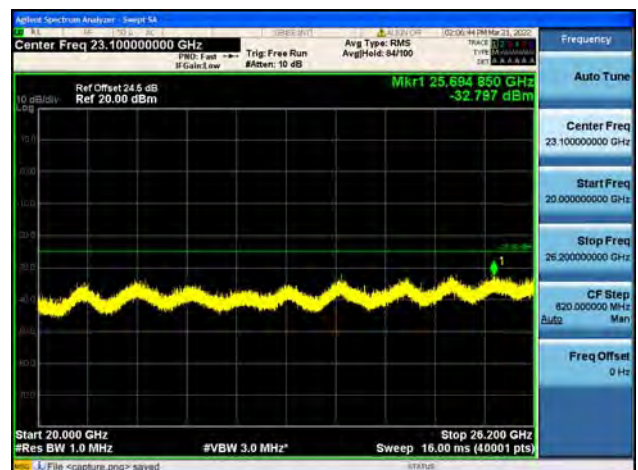
Band38-20G-26G / 15MHz / High CH / QPSK



Band38-30M-20G / 15MHz / High CH / 16QAM

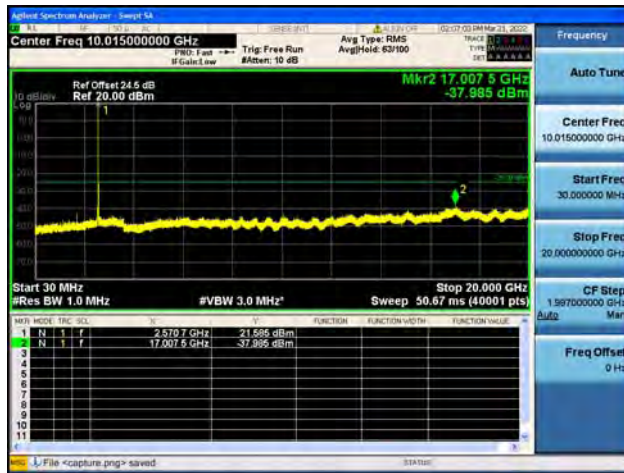


Band38-20G-26G / 15MHz / High CH / 16QAM





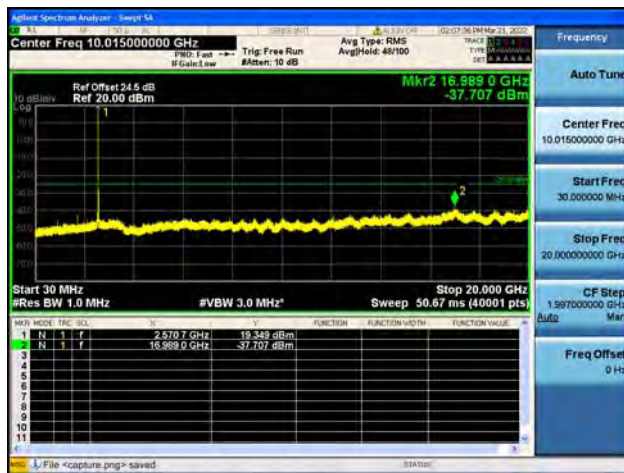
Band38-30M-20G / 20MHz / Low CH / QPSK



Band38-20G-26G / 20MHz / Low CH / QPSK



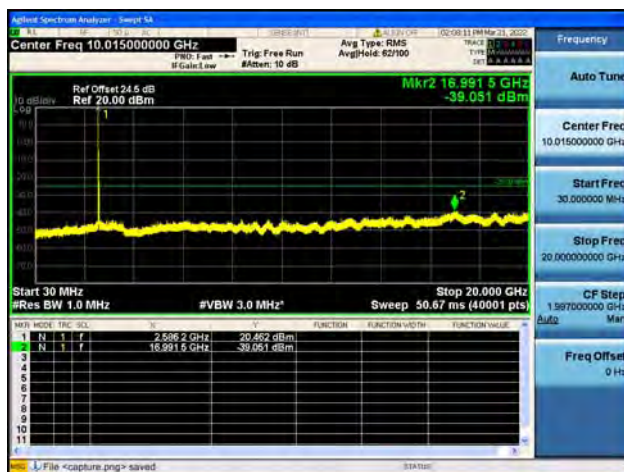
Band38-30M-20G / 20MHz / Low CH / 16QAM



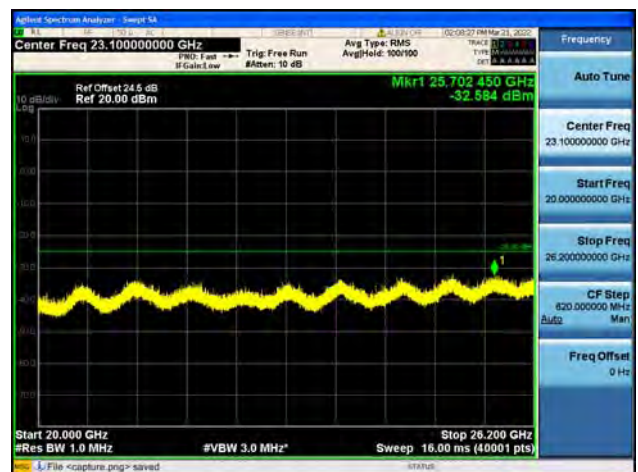
Band38-20G-26G / 20MHz / Low CH / 16QAM



Band38-30M-20G / 20MHz / Mid CH / QPSK

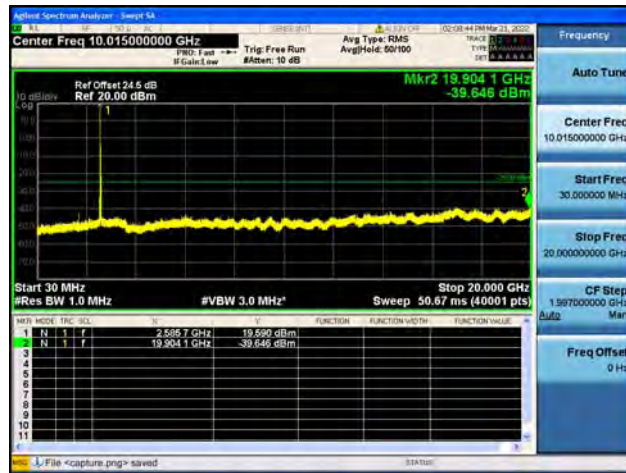


Band38-20G-26G / 20MHz / Mid CH / QPSK





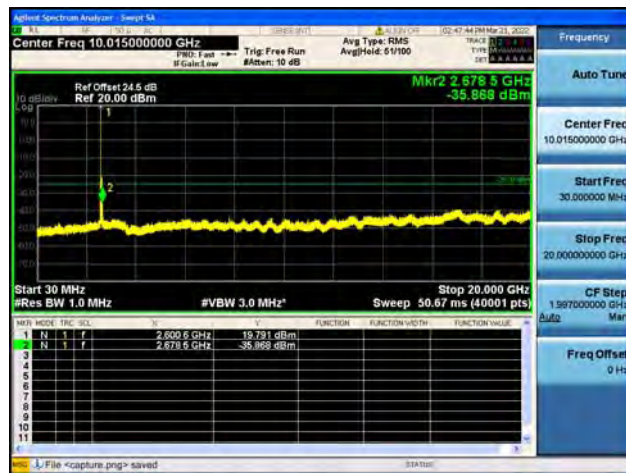
Band38-30M-20G / 20MHz / Mid CH / 16QAM



Band38-20G-26G / 20MHz / Mid CH / 16QAM



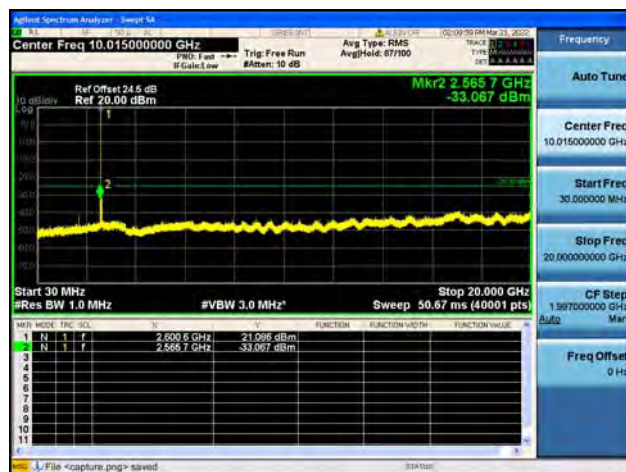
Band38-30M-20G / 20MHz / High CH / QPSK



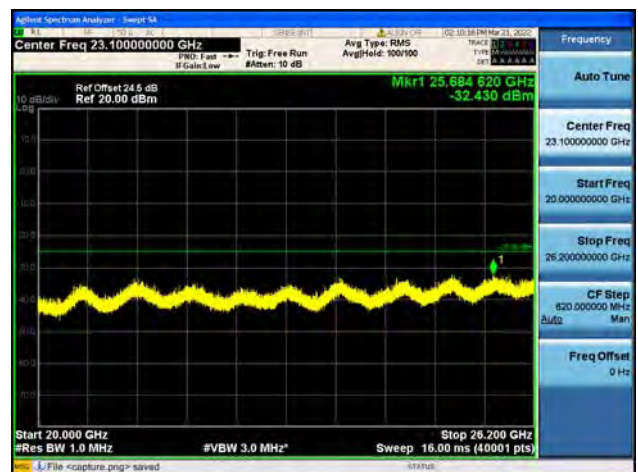
Band38-20G-26G / 20MHz / High CH / QPSK



Band38-30M-20G / 20MHz / High CH / 16QAM

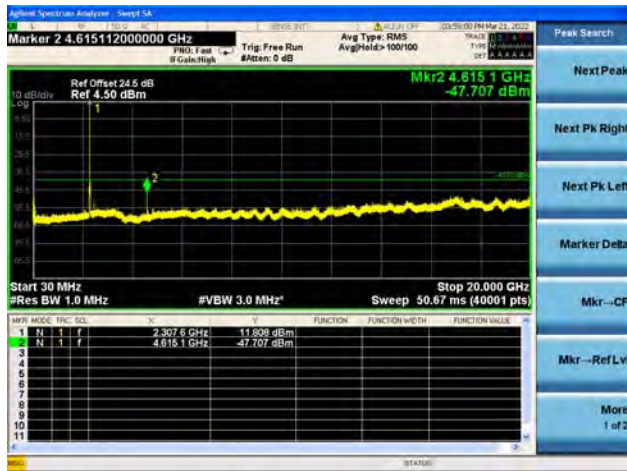


Band38-20G-26G / 20MHz / High CH / 16QAM





## Band 40 / Block A / 5MHz / Low CH / QPSK



## Band 40 / Block A / 5MHz / Low CH / 16QAM

