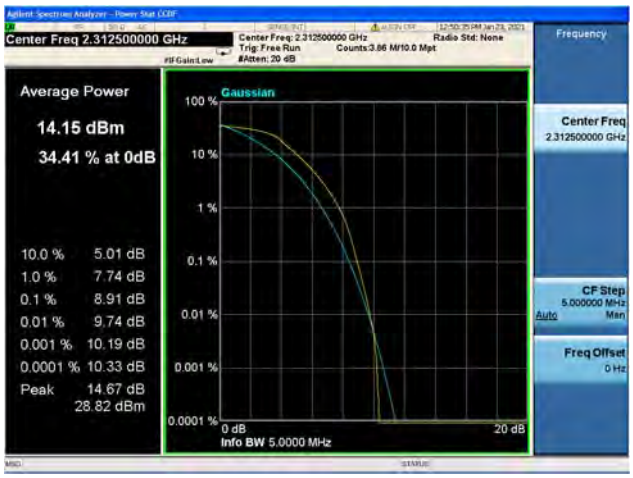
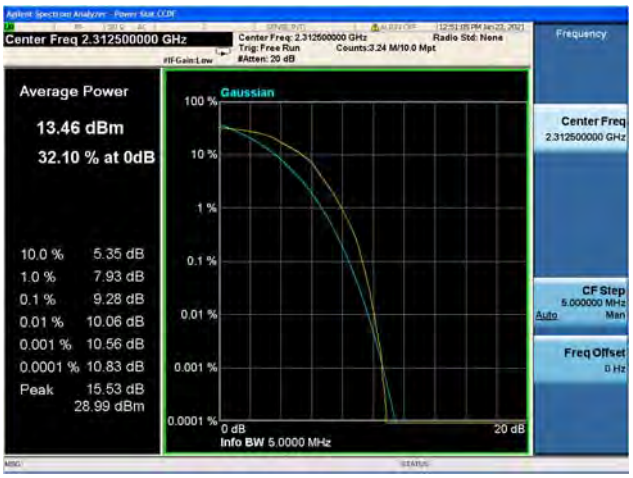
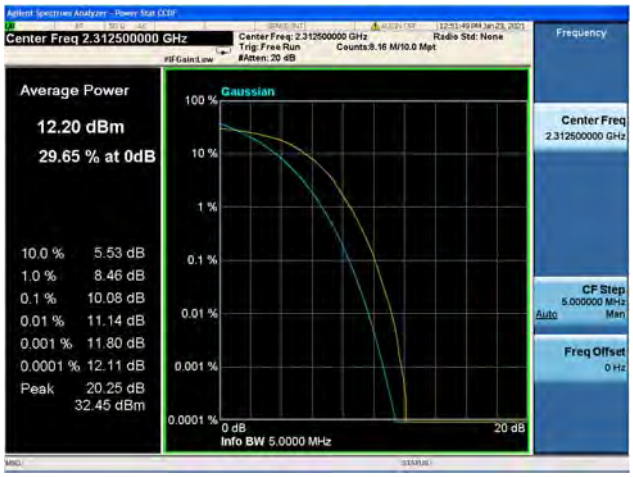
Band40/ Block A / 5MHz / High CH / QPSK



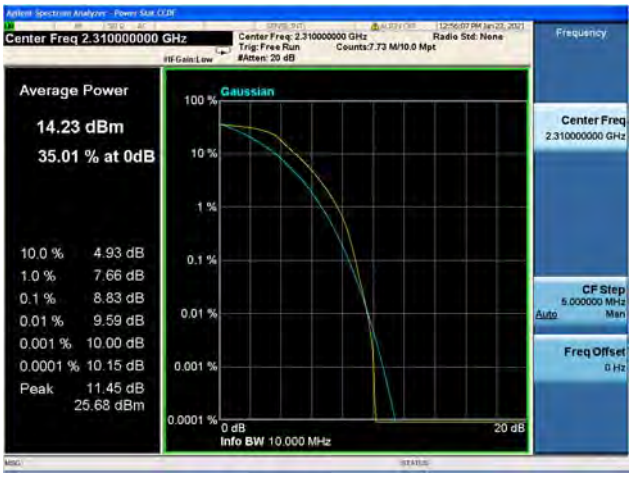
Band40/ Block A / 5MHz / High CH / 16QAM



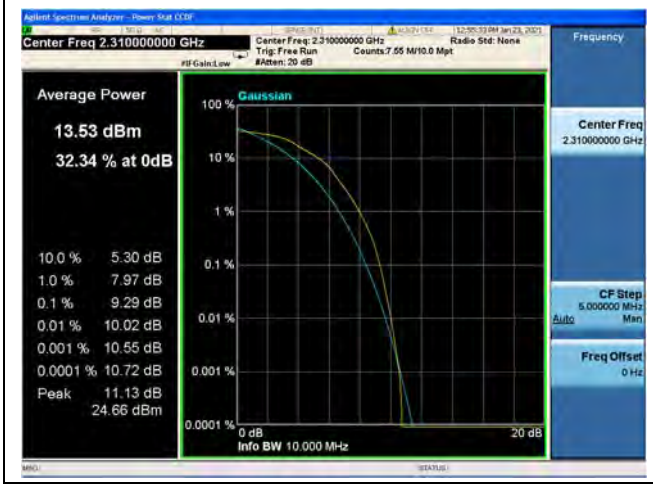
Band40/ Block A / 5MHz / High CH / 64QAM



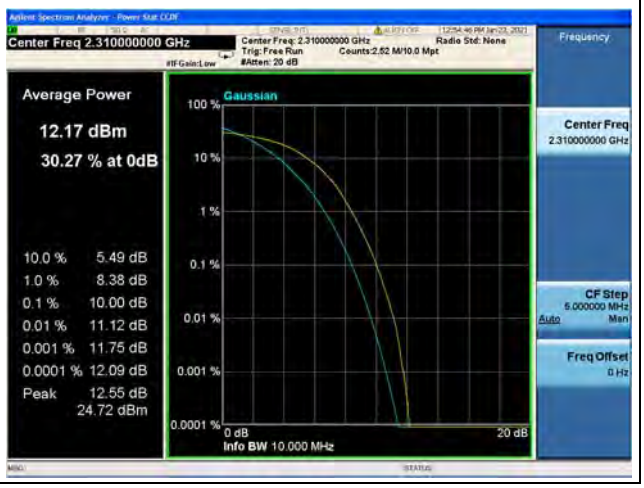
Band40/ Block A / 10MHz / Mid CH / QPSK



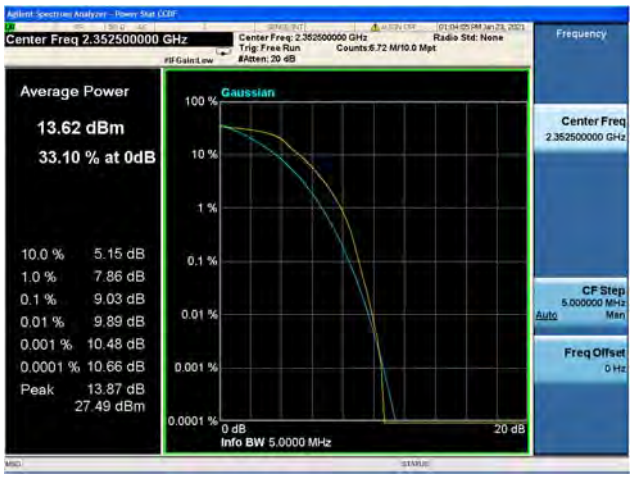
Band40/ Block A / 10MHz / Mid CH / 16QAM



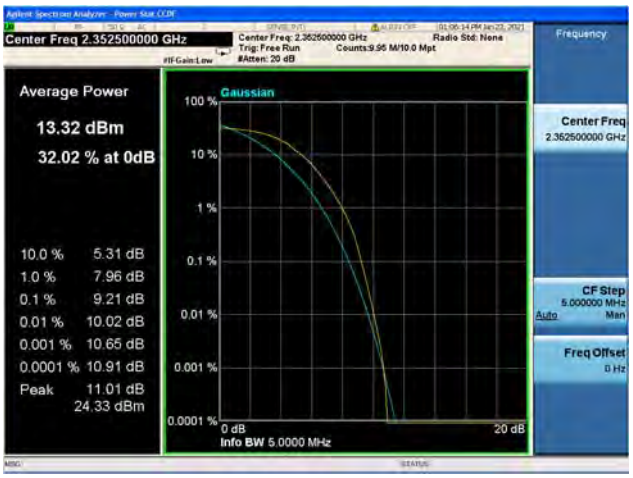
Band40/ Block A / 10MHz / Mid CH / 64QAM



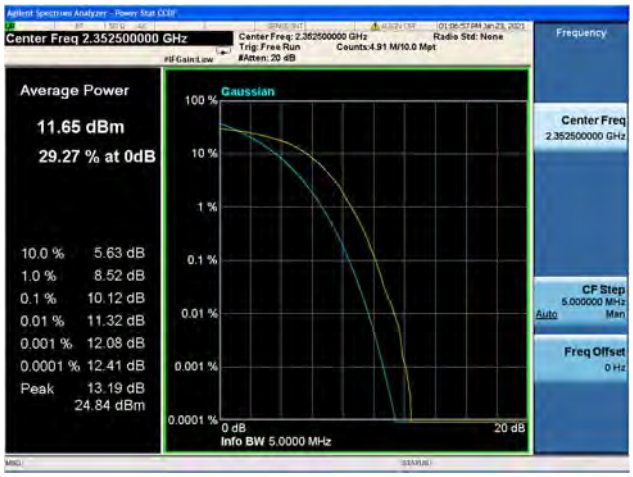
Band40/ Block B / 5MHz / Low CH / QPSK



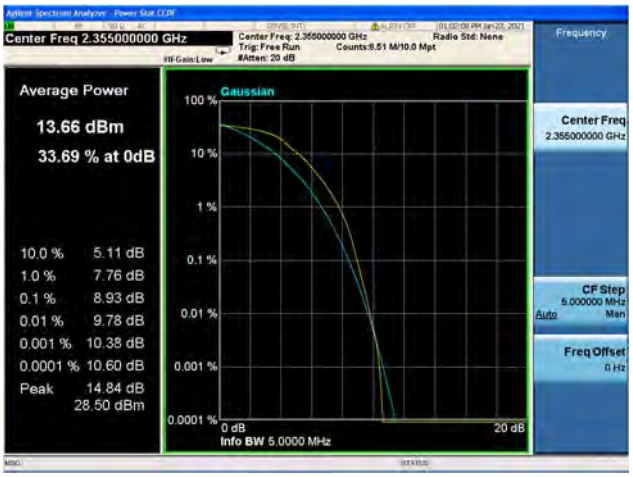
Band40/ Block B / 5MHz / Low CH / 16QAM



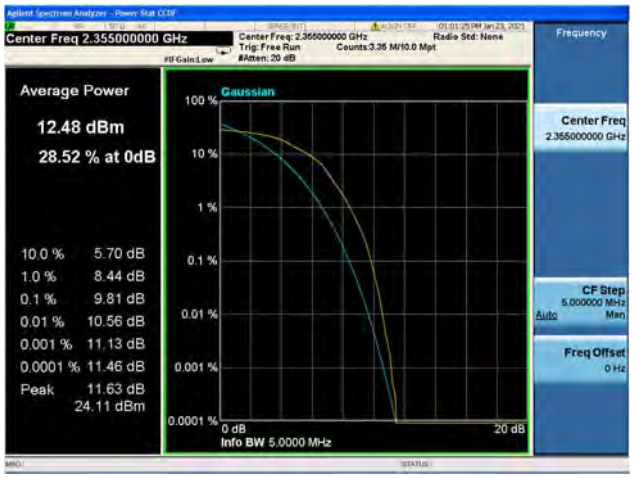
Band40/ Block B / 5MHz / Low CH / 64QAM



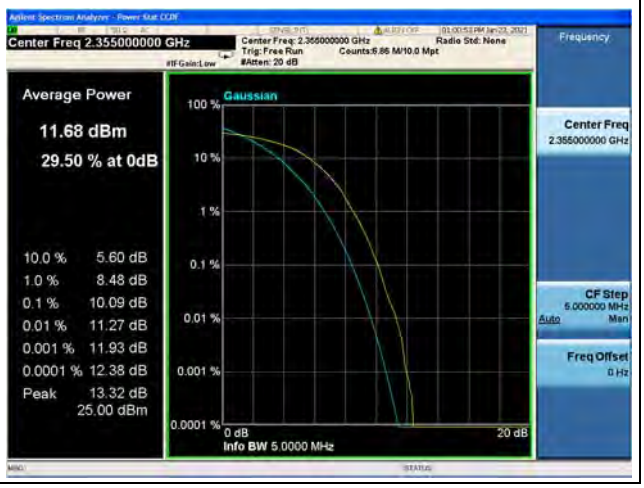
Band40/ Block B / 5MHz / Mid CH / QPSK



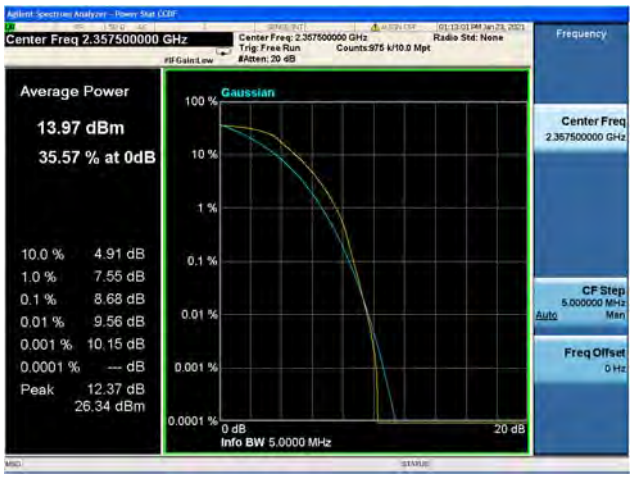
Band40/ Block B / 5MHz / Mid CH / 16QAM



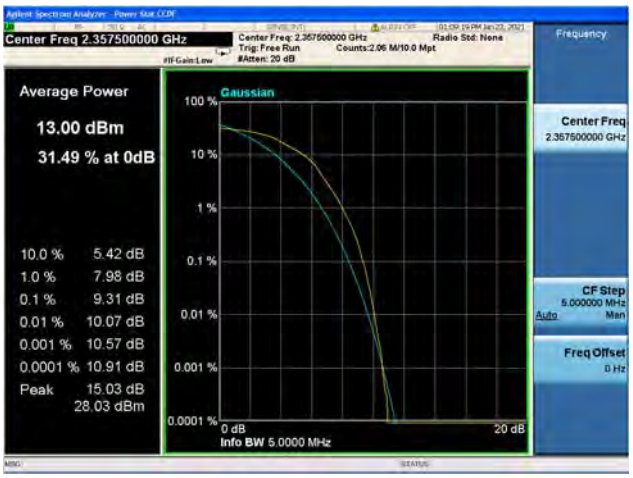
Band40/ Block B / 5MHz / Mid CH / 64QAM



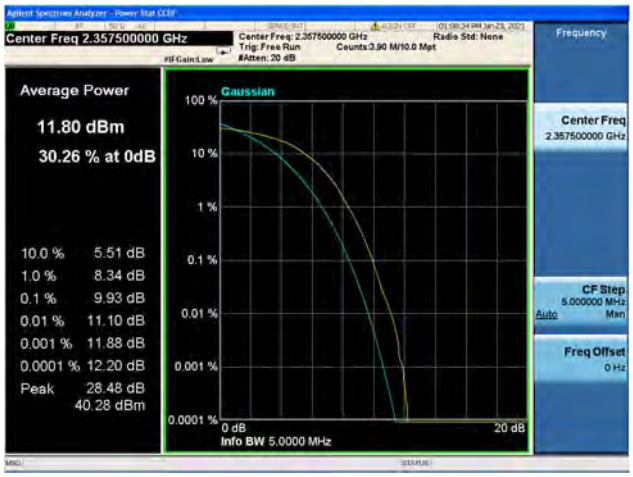
Band40/ Block B / 5MHz / High CH / QPSK



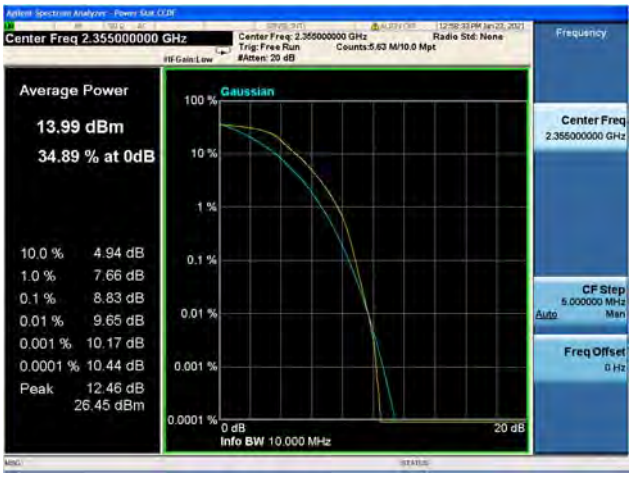
Band40/ Block B / 5MHz / High CH / 16QAM



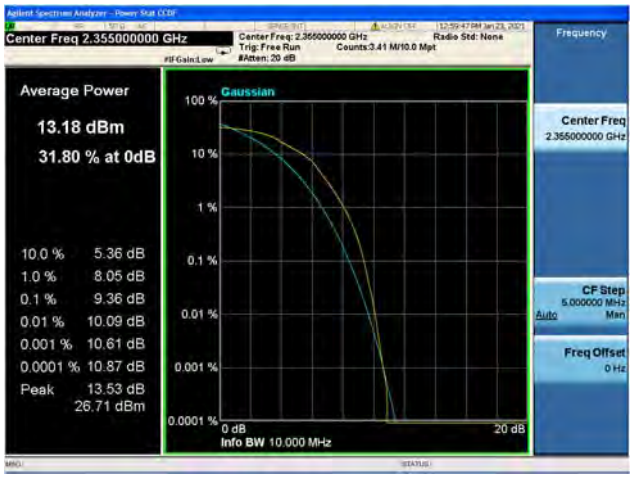
Band40/ Block B / 5MHz / High CH / 64QAM



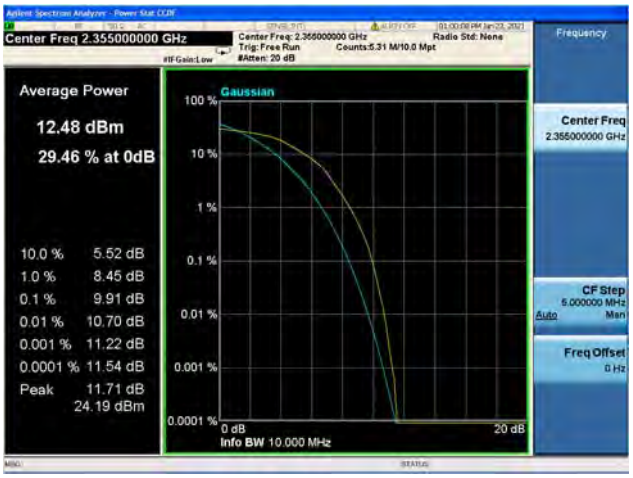
Band40/ Block B / 10MHz / Mid CH / QPSK



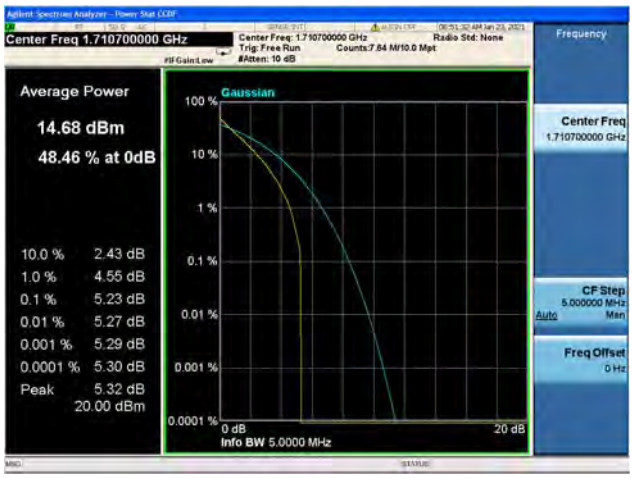
Band40/ Block B / 10MHz / Mid CH / 16QAM



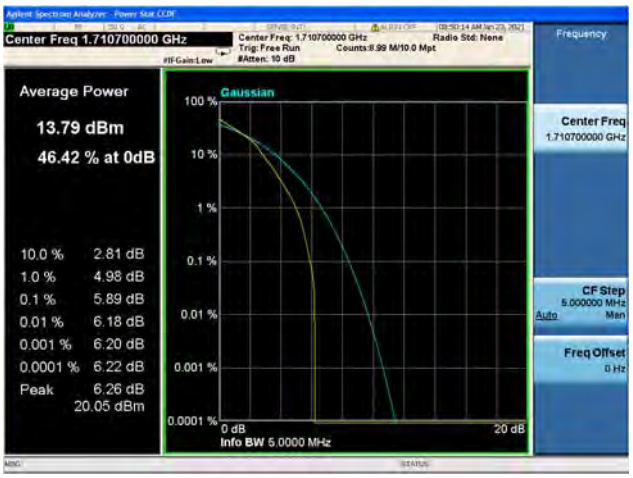
Band40/ Block B / 10MHz / Mid CH / 64QAM



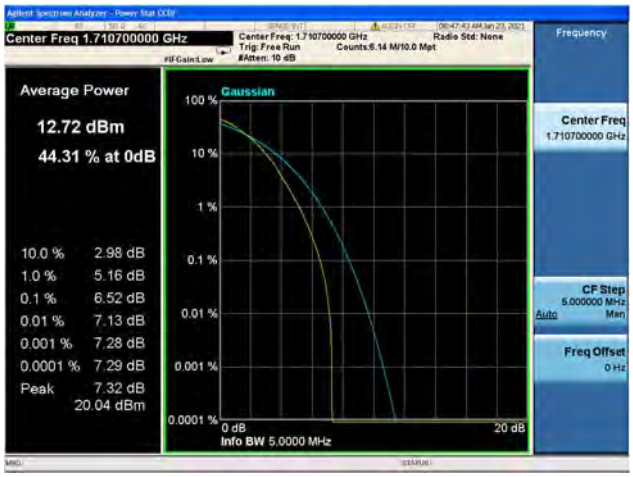
Band66 / 1.4MHz / Low CH / QPSK



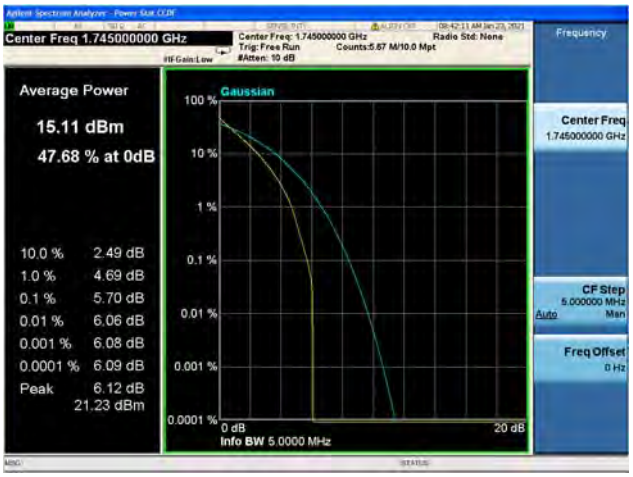
Band66 / 1.4MHz / Low CH / 16QAM



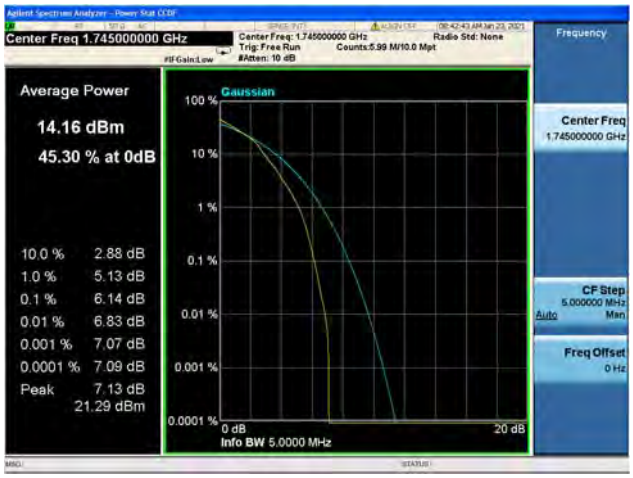
Band66 / 1.4MHz / Low CH / 64QAM



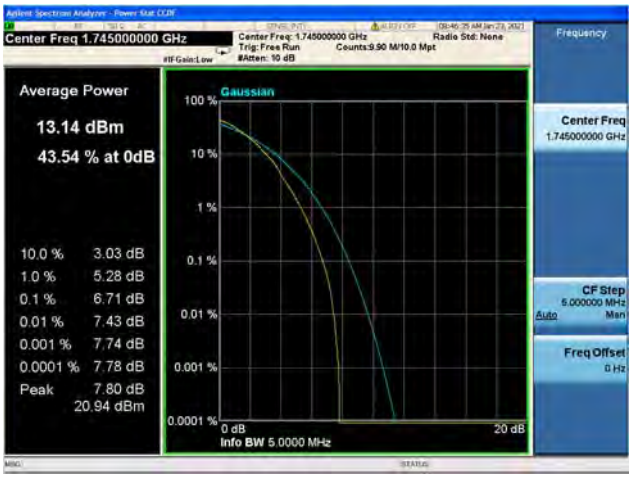
Band66 / 1.4MHz / Mid CH / QPSK



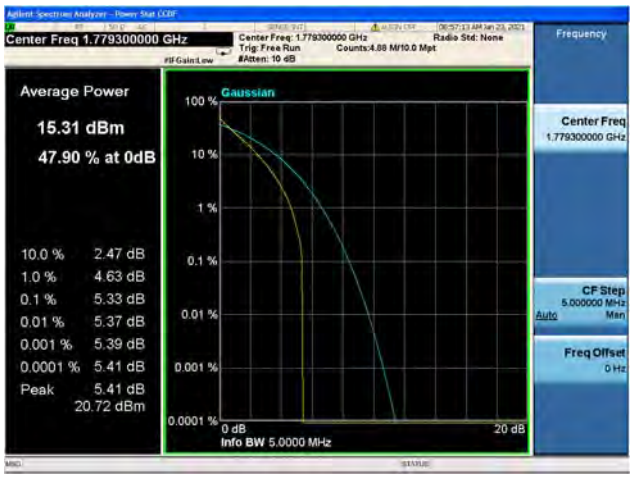
Band66 / 1.4MHz / Mid CH / 16QAM



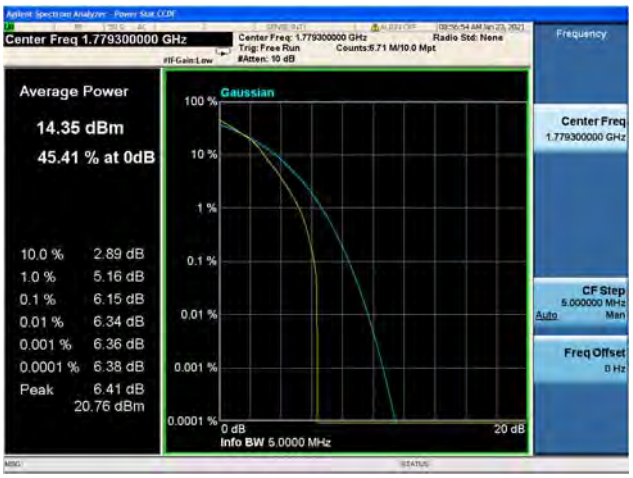
Band66 / 1.4MHz / Mid CH / 64QAM



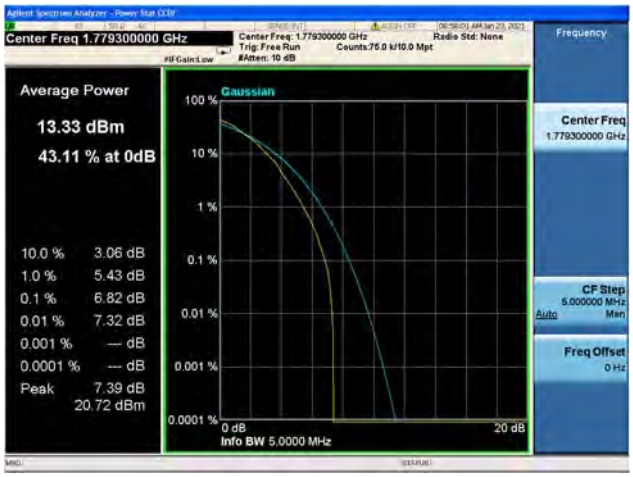
Band66 / 1.4MHz / High CH / QPSK



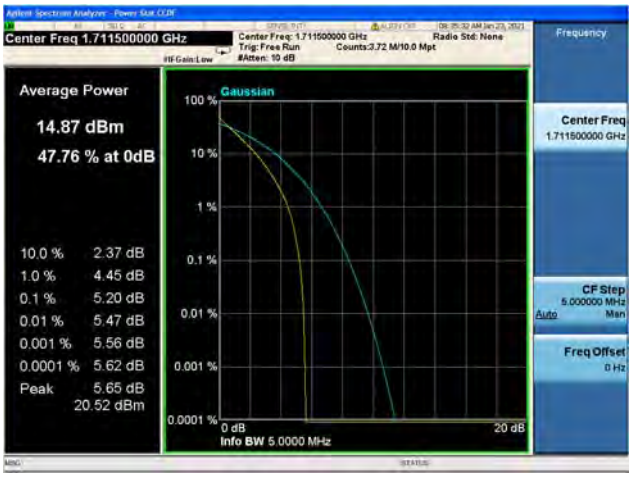
Band66 / 1.4MHz / High CH / 16QAM



Band66 / 1.4MHz / High CH / 64QAM



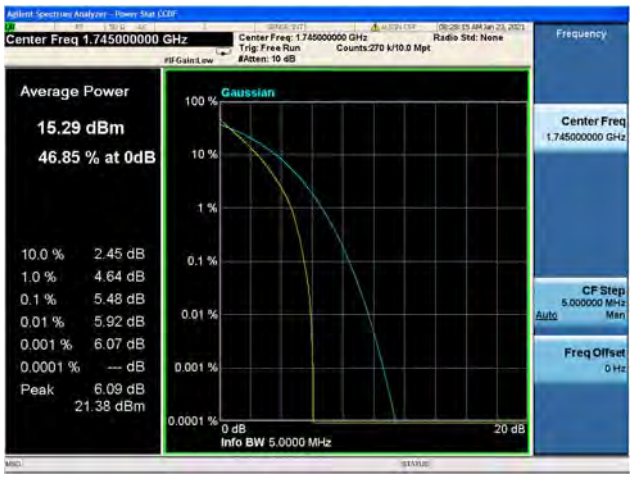
Band66 / 3MHz / Low CH / QPSK



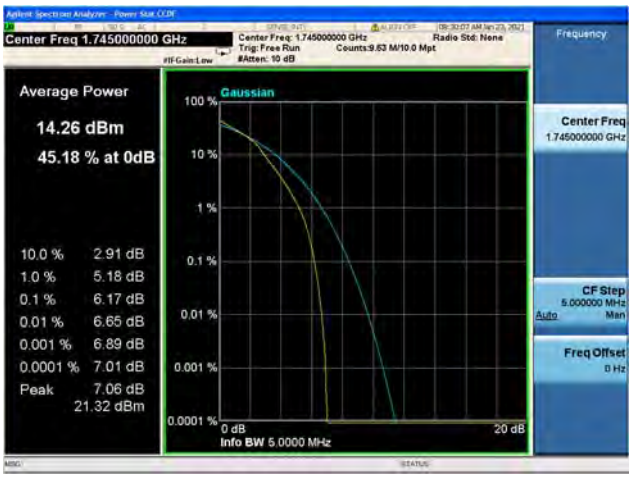
Band66 / 3MHz / Low CH / 16QAM

Band66 / 3MHz / Low CH / 64QAM

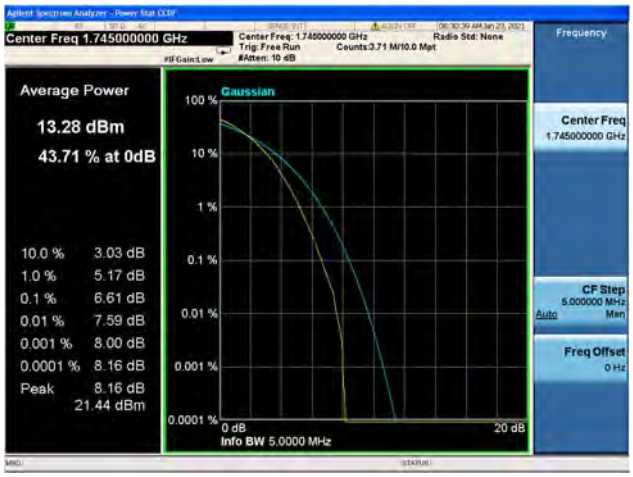
Band66 / 3MHz / Mid CH / QPSK



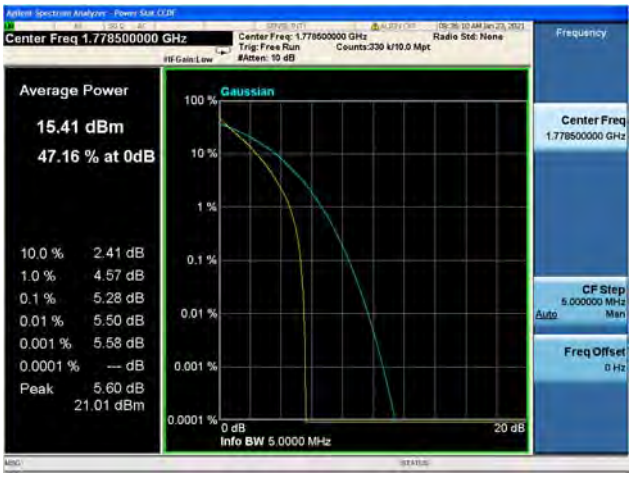
Band66 / 3MHz / Mid CH / 16QAM



Band66 / 3MHz / Mid CH / 64QAM



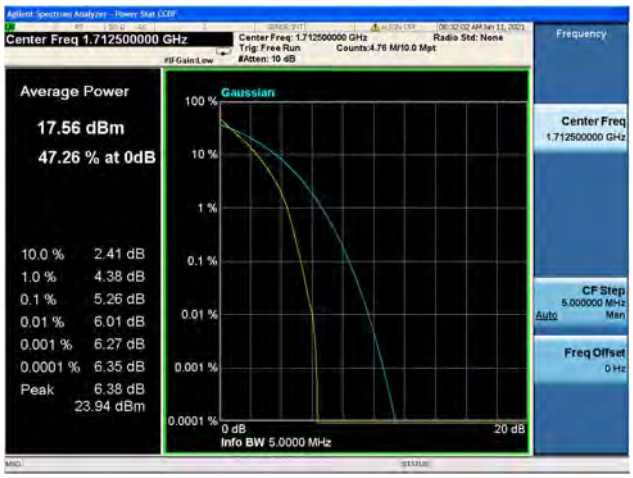
Band66 / 3MHz / High CH / QPSK



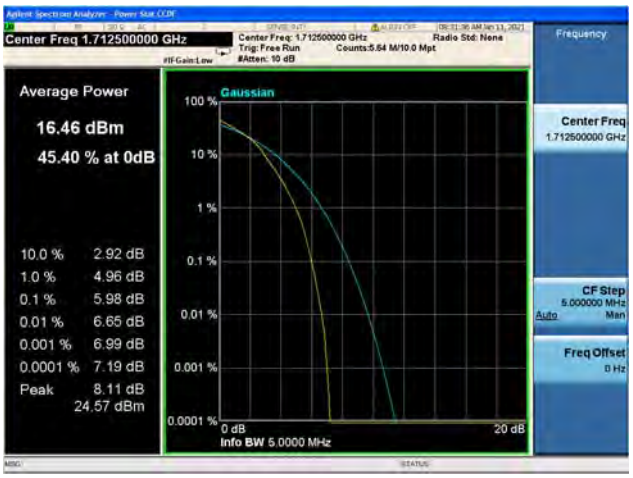
Band66 / 3MHz / High CH / 16QAM

Band66 / 3MHz / High CH / 64QAM

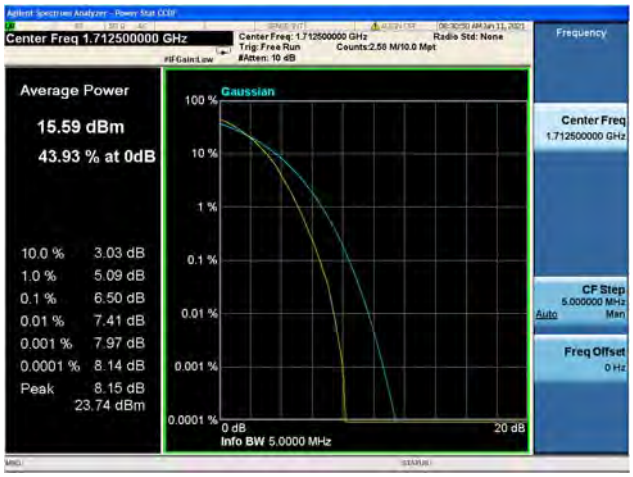
Band66 / 5MHz / Low CH / QPSK



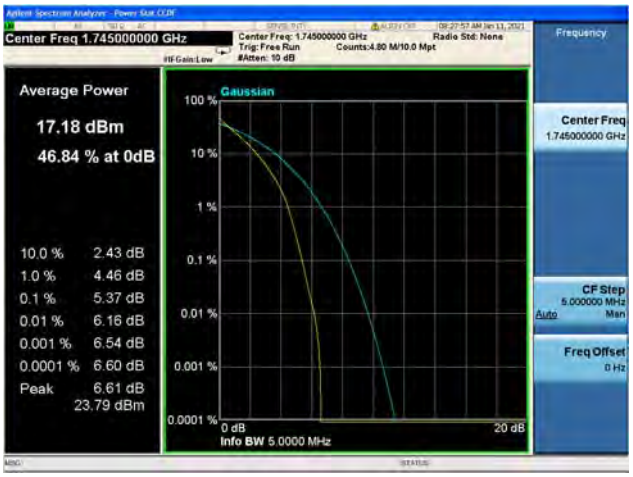
Band66 / 5MHz / Low CH / 16QAM



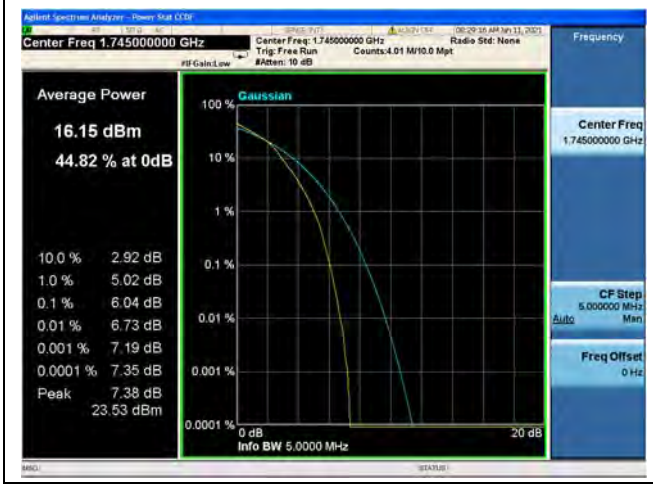
Band66 / 5MHz / Low CH / 64QAM



Band66 / 5MHz / Mid CH / QPSK

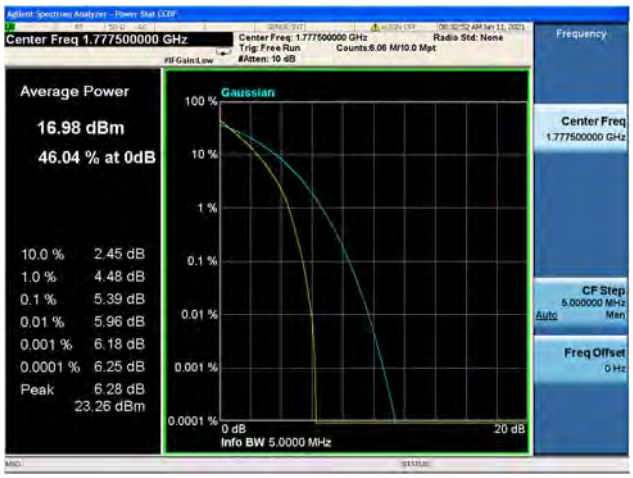


Band66 / 5MHz / Mid CH / 16QAM

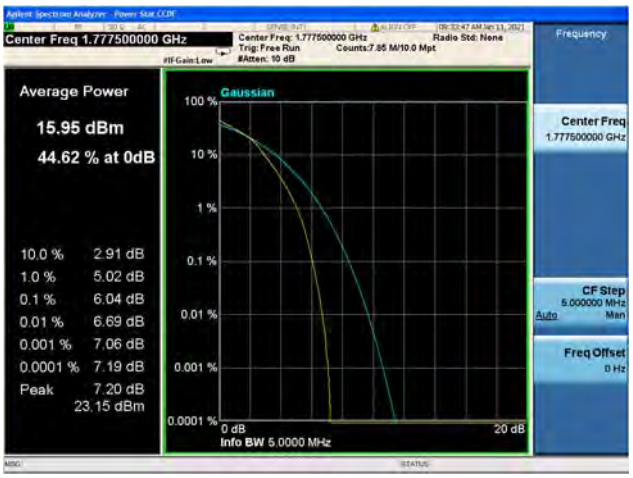


Band66 / 5MHz / Mid CH / 64QAM

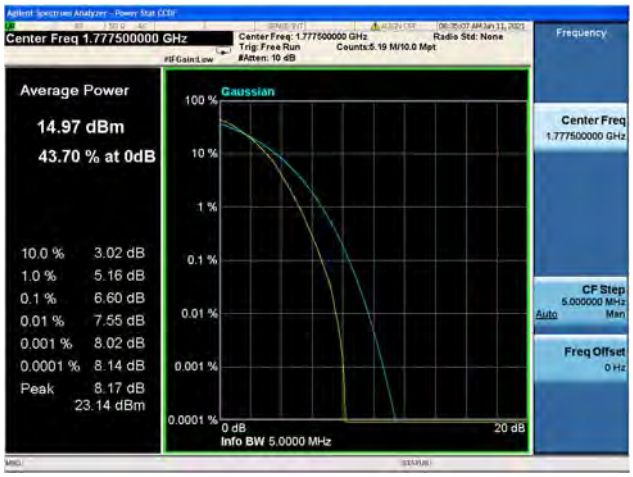
Band66 / 5MHz / High CH / QPSK



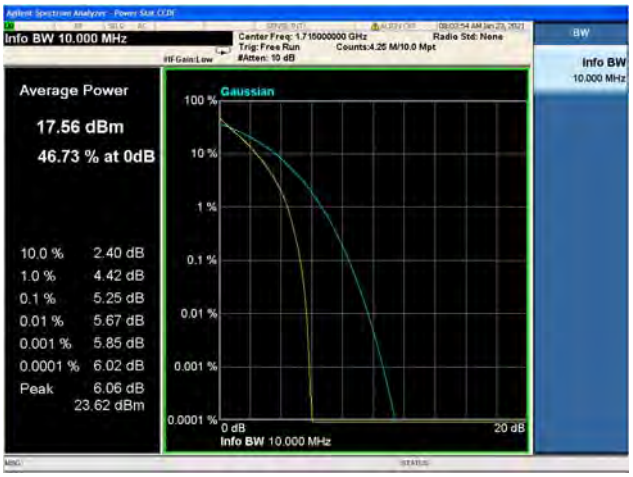
Band66 / 5MHz / High CH / 16QAM



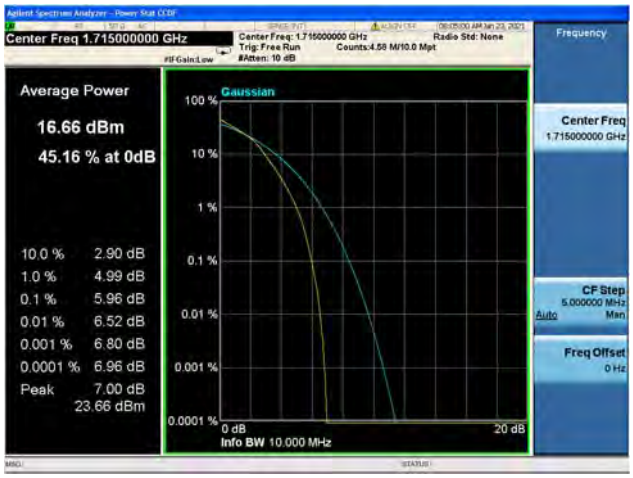
Band66 / 5MHz / High CH / 64QAM



Band66 / 10MHz / Low CH / QPSK

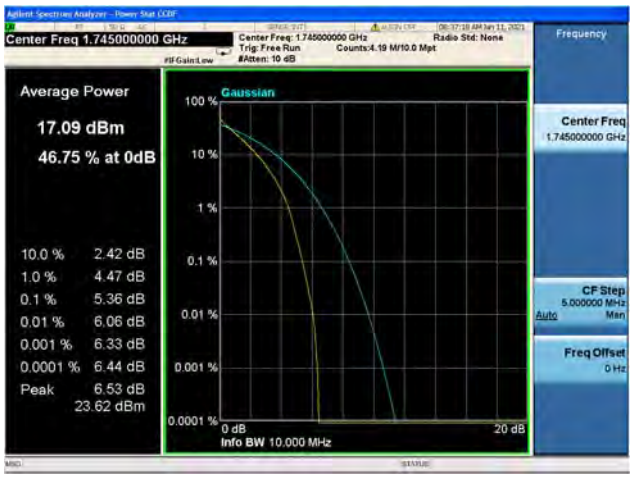


Band66 / 10MHz / Low CH / 16QAM

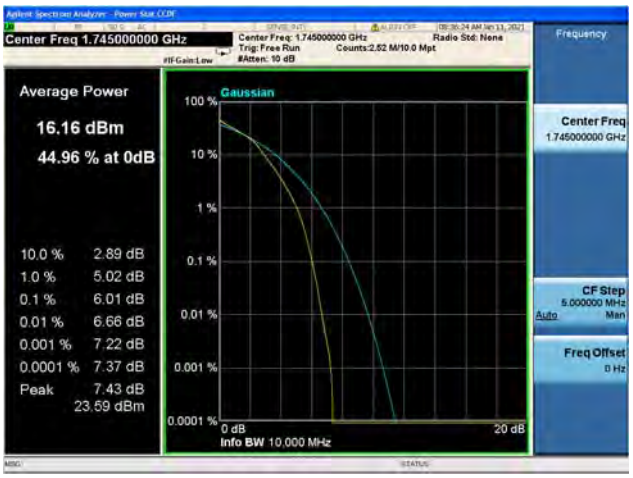


Band66 / 10MHz / Low CH / 64QAM

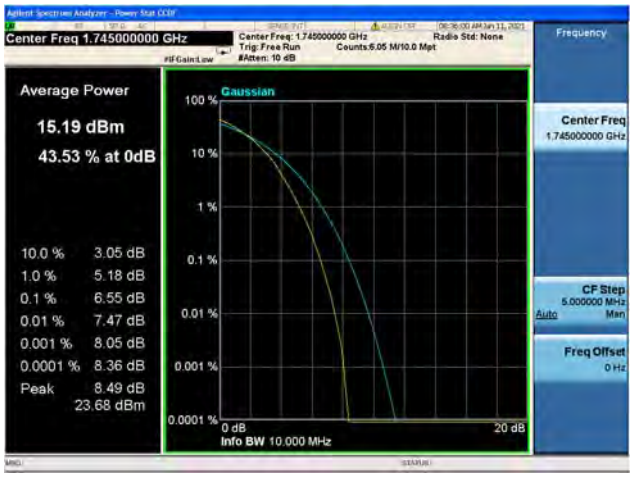
Band66 / 10MHz / Mid CH / QPSK



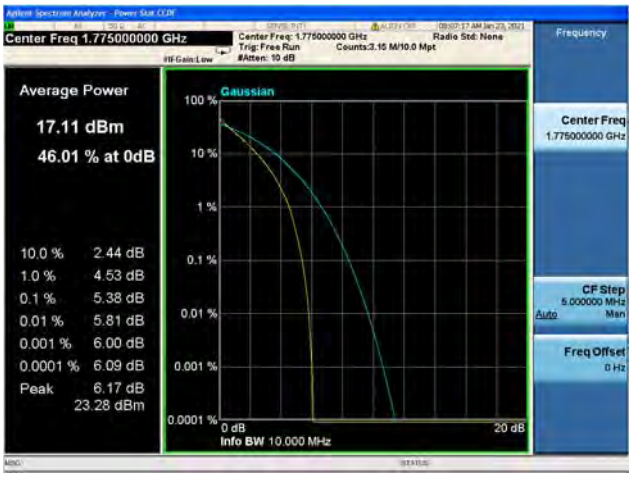
Band66 / 10MHz / Mid CH / 16QAM



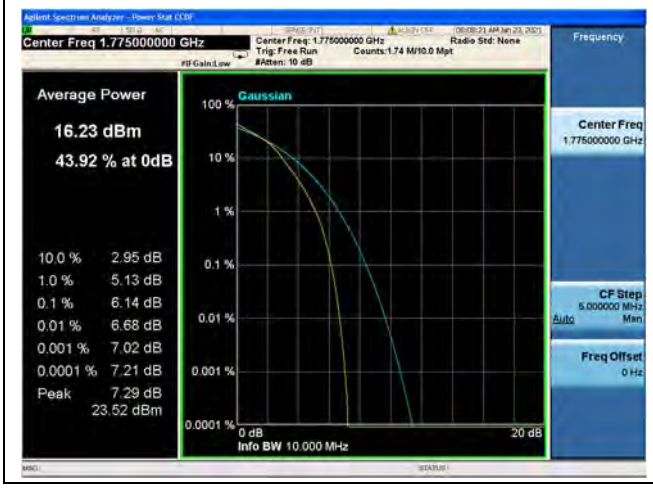
Band66 / 10MHz / Mid CH / 64QAM



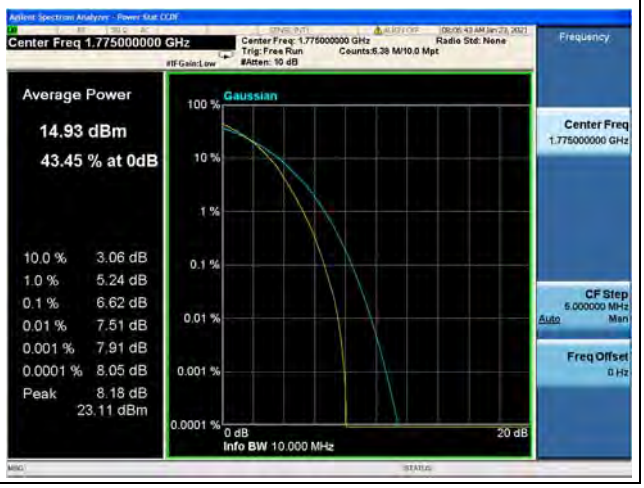
Band66 / 10MHz / High CH / QPSK



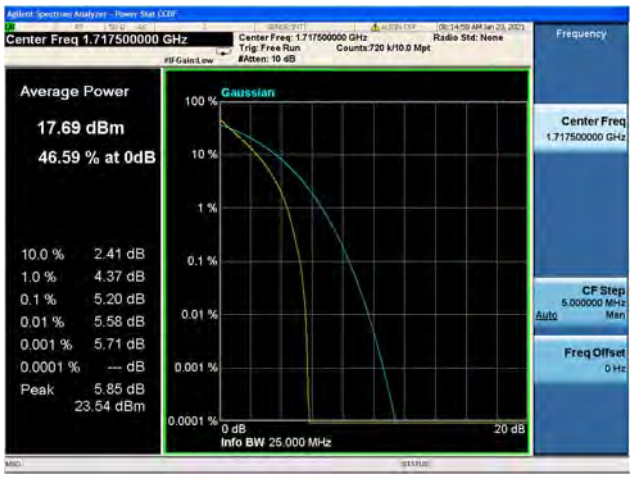
Band66 / 10MHz / High CH / 16QAM



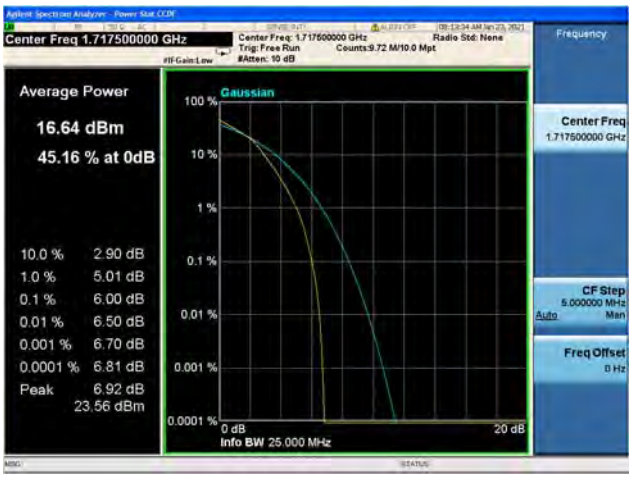
Band66 / 10MHz / High CH / 64QAM



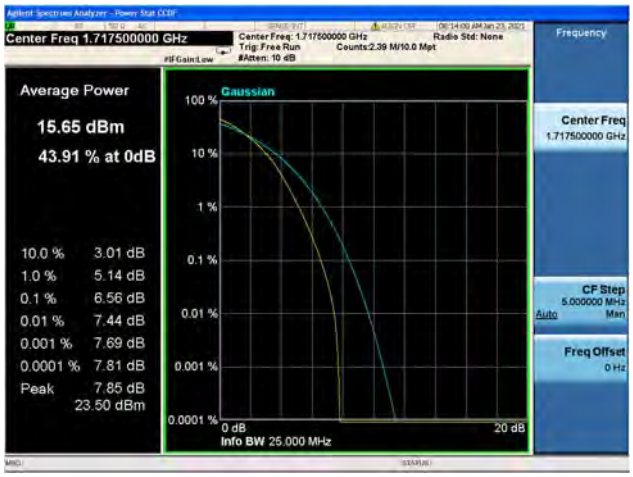
Band66 / 15MHz / Low CH / QPSK



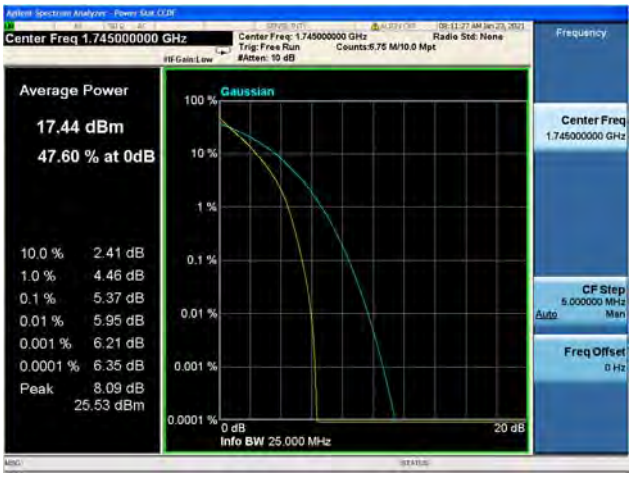
Band66 / 15MHz / Low CH / 16QAM



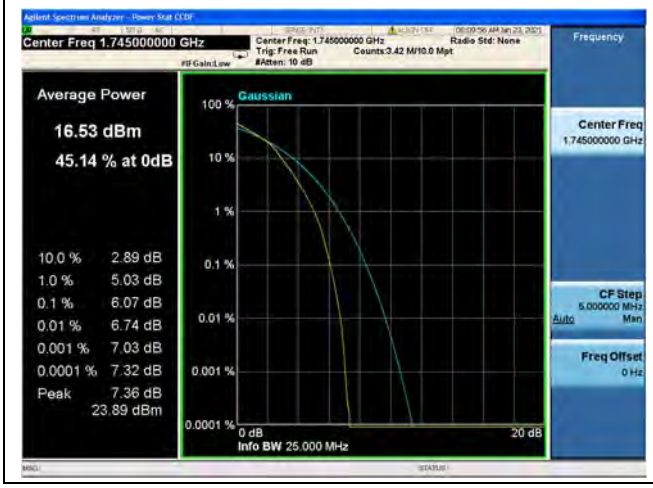
Band66 / 15MHz / Low CH / 64QAM



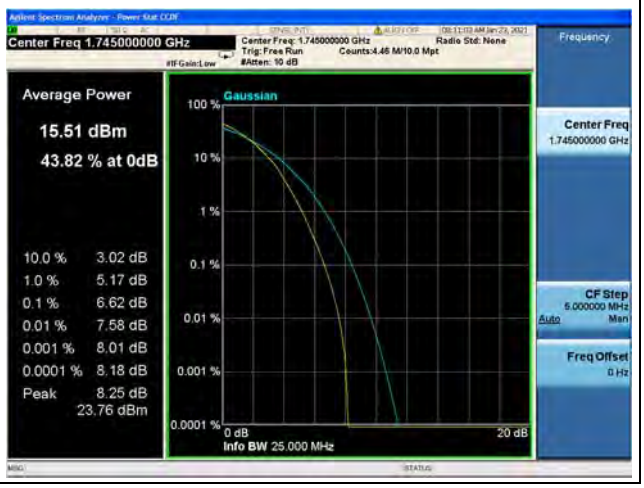
Band66 / 15MHz / Mid CH / QPSK



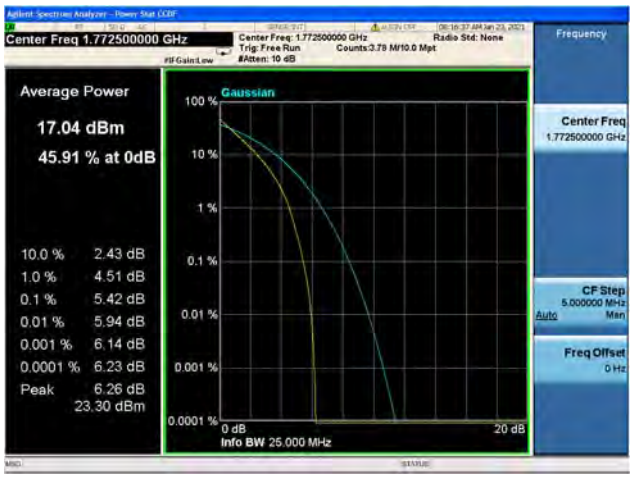
Band66 / 15MHz / Mid CH / 16QAM



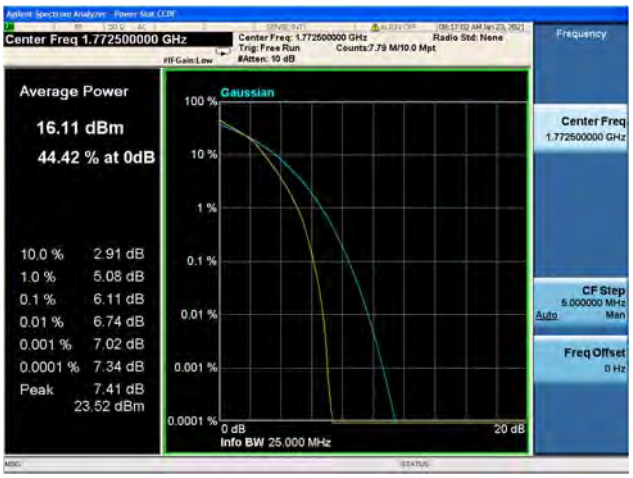
Band66 / 15MHz / Mid CH / 64QAM



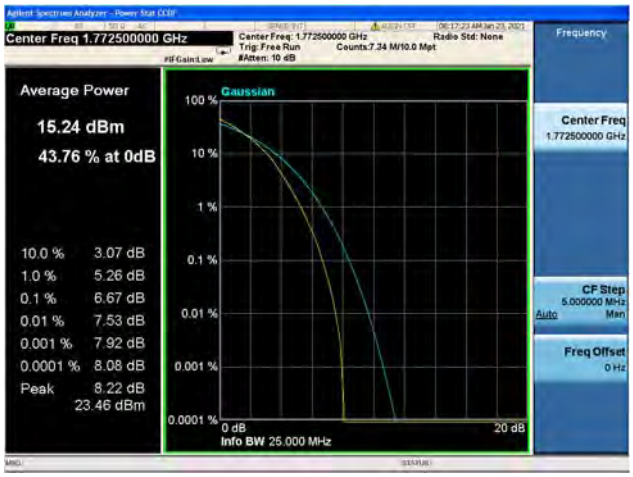
Band66 / 15MHz / High CH / QPSK



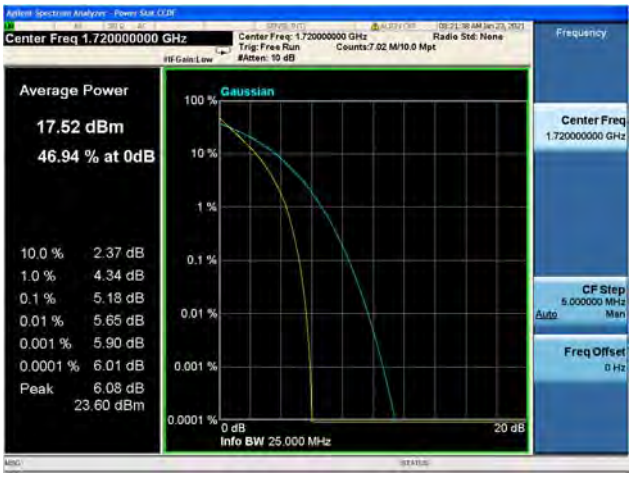
Band66 / 15MHz / High CH / 16QAM



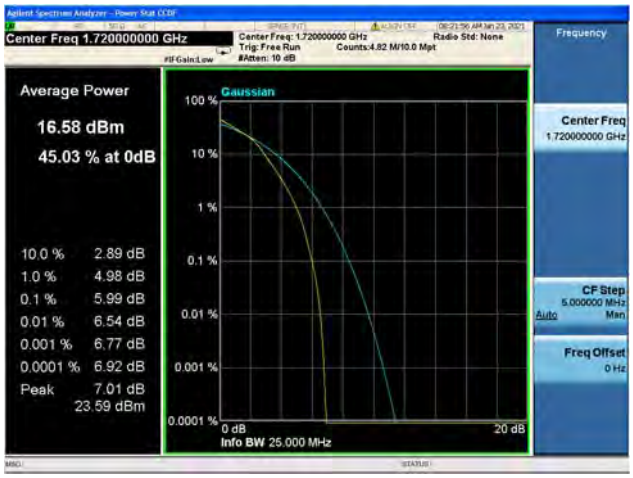
Band66 / 15MHz / High CH / 64QAM



Band66 / 20MHz / Low CH / QPSK

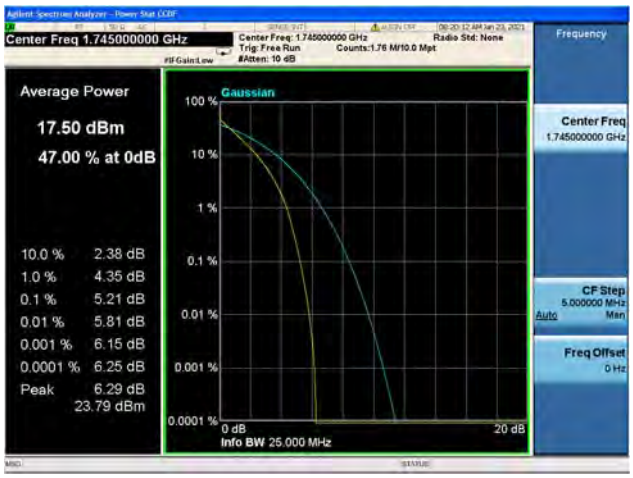


Band66 / 20MHz / Low CH / 16QAM

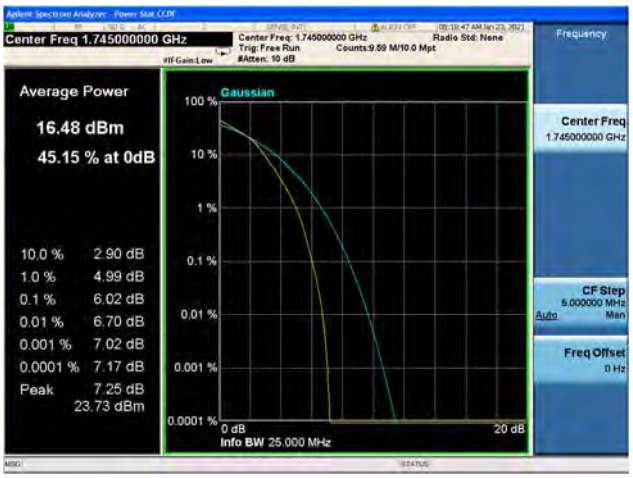


Band66 / 20MHz / Low CH / 64QAM

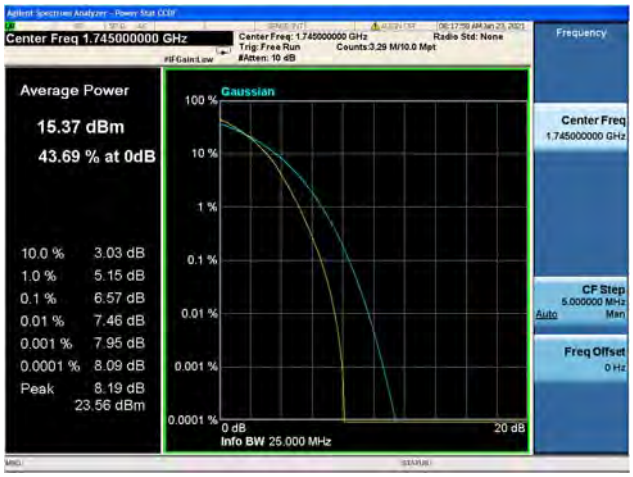
Band66 / 20MHz / Mid CH / QPSK



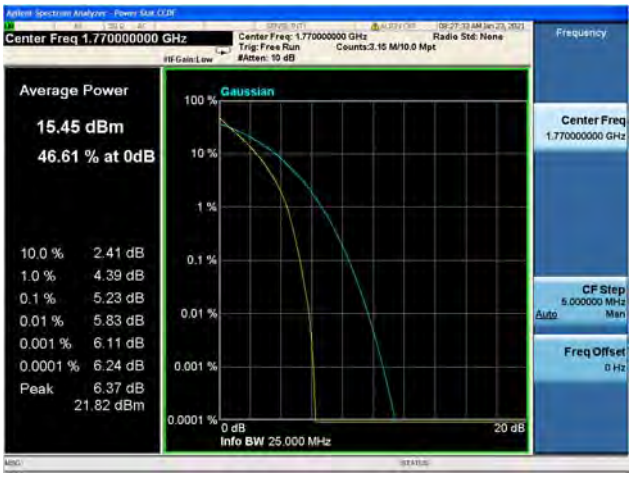
Band66 / 20MHz / Mid CH / 16QAM



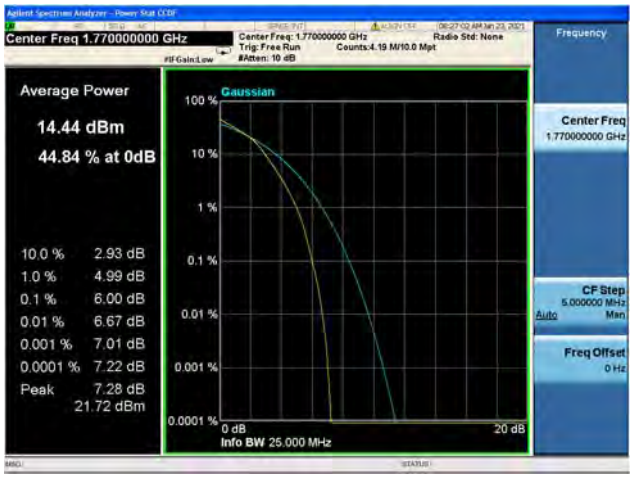
Band66 / 20MHz / Mid CH / 64QAM



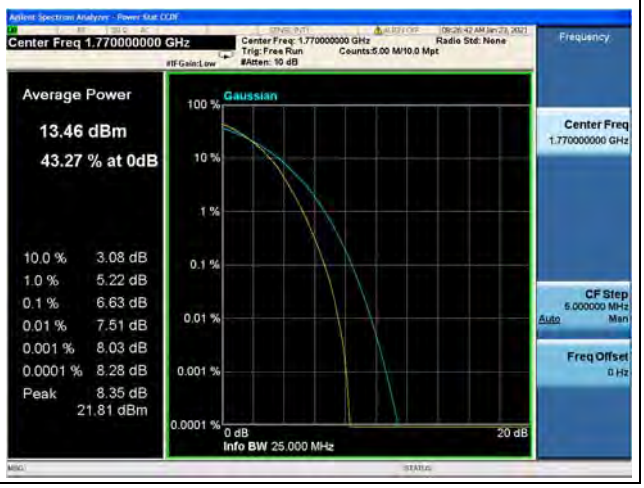
Band66 / 20MHz / High CH / QPSK



Band66 / 20MHz / High CH / 16QAM



Band66 / 20MHz / High CH / 64QAM



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:
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

Attenuator 1

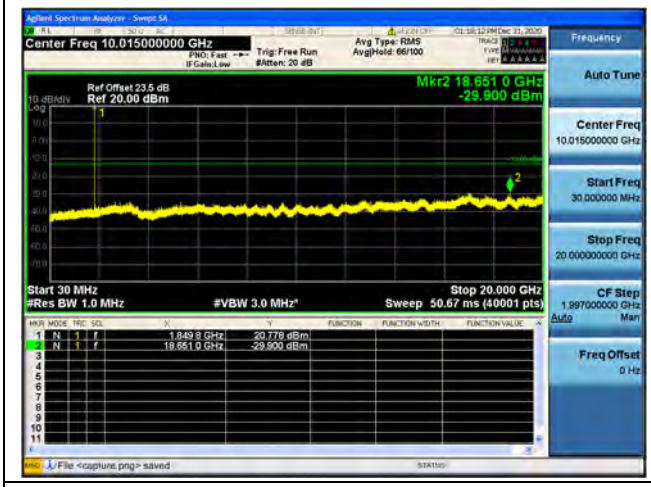
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum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

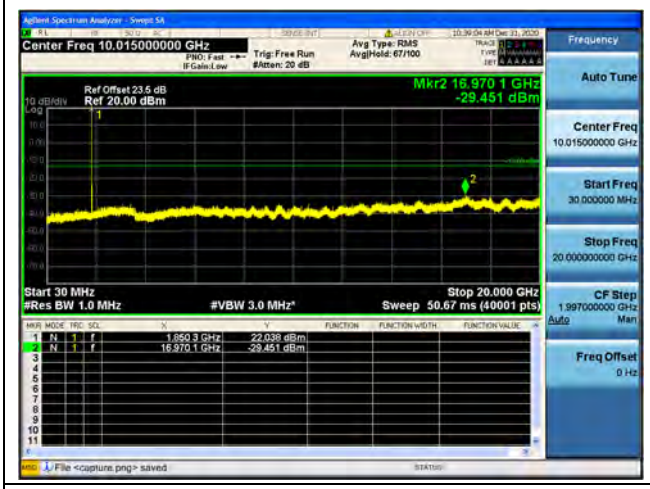
2.5.4. Test Result

Band2 / 1.4MHz / Low CH / QPSK



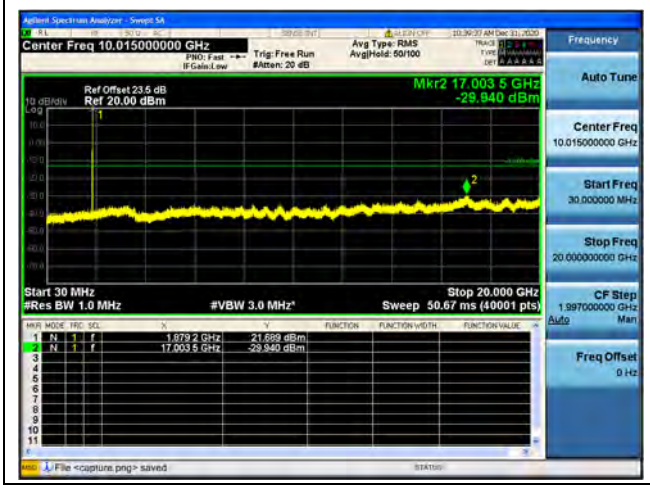
Band2 / 1.4MHz / Low CH / 16QAM

Band2 / 1.4MHz / Low CH / 64QAM



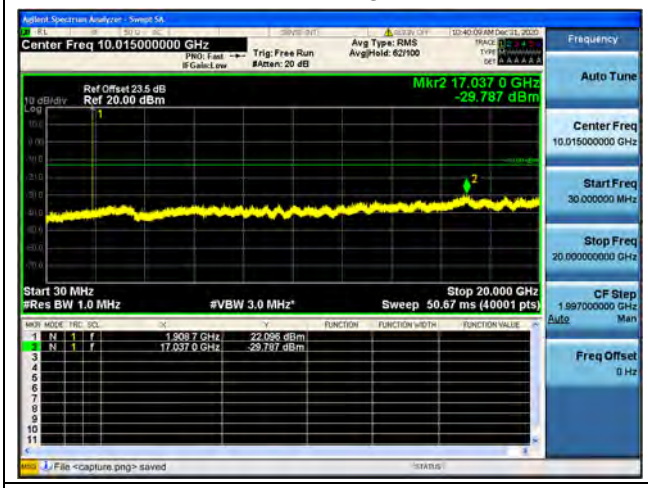
Band2 / 1.4MHz / Mid CH / QPSK

Band2 / 1.4MHz / Mid CH / 16QAM



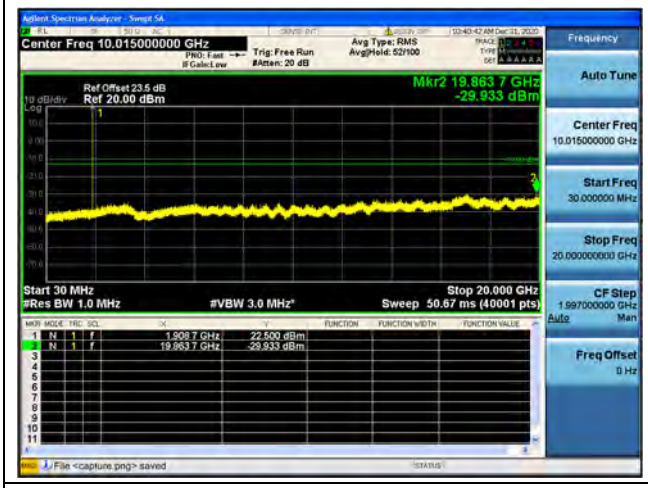
Band2 / 1.4MHz / Mid CH / 64QAM

Band2 / 1.4MHz / High CH / QPSK



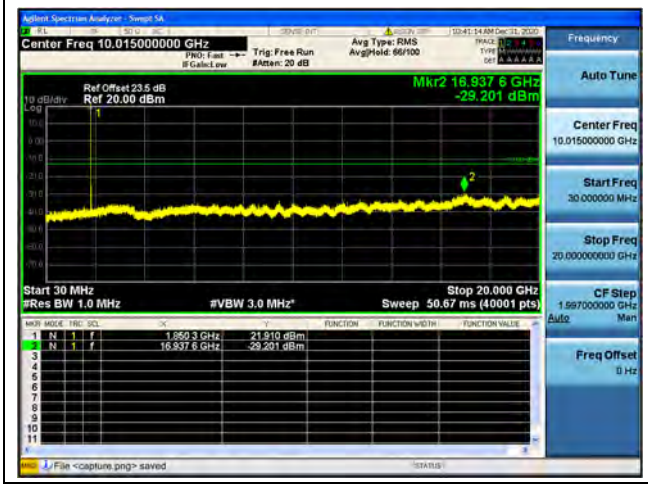
Band2 / 1.4MHz / High CH / 16QAM

Band2 / 1.4MHz / High CH / 64QAM



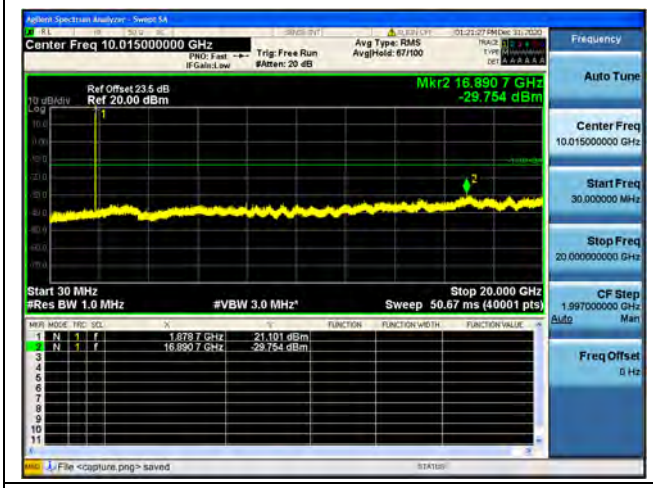
Band2 / 3MHz / Low CH / QPSK

Band2 / 3MHz / Low CH / 16QAM



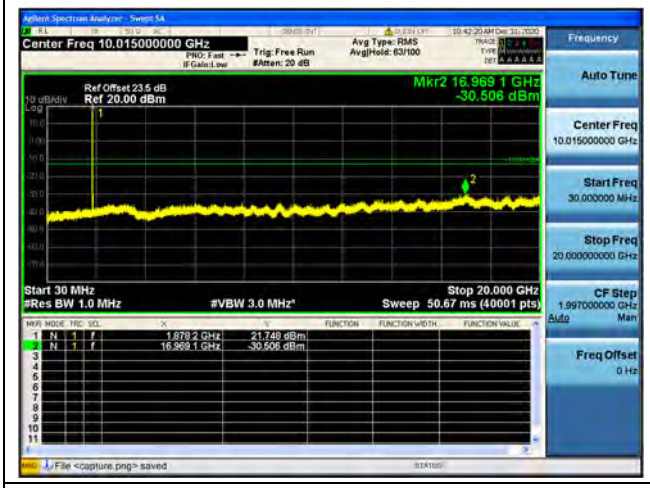
Band2 / 3MHz / Low CH / 64QAM

Band2 / 3MHz / Mid CH / QPSK



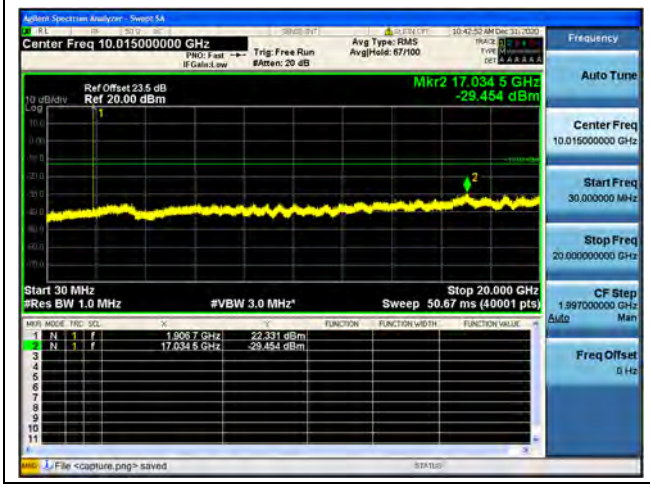
Band2 / 3MHz / Mid CH / 16QAM

Band2 / 3MHz / Mid CH / 64QAM



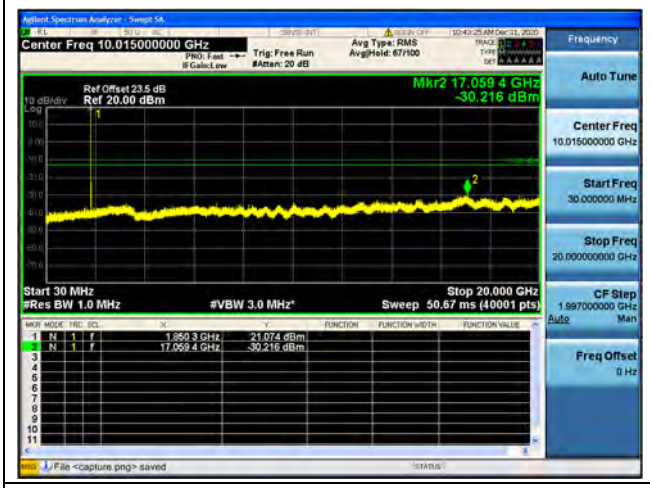
Band2 / 3MHz / High CH / QPSK

Band2 / 3MHz / High CH / 16QAM



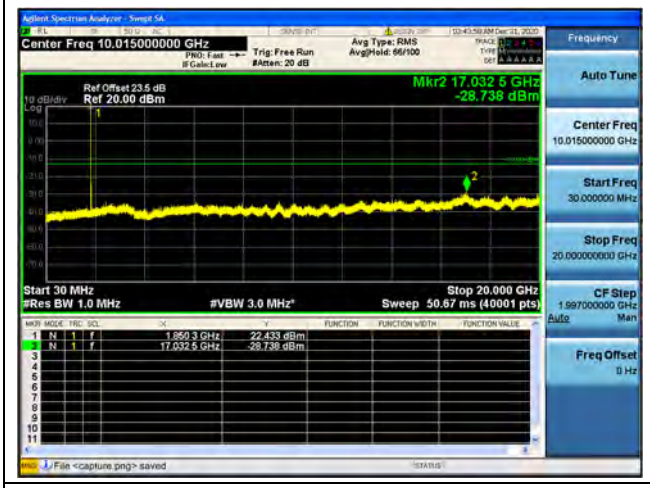
Band2 / 3MHz / High CH / 64QAM

Band2 / 5MHz / Low CH / QPSK



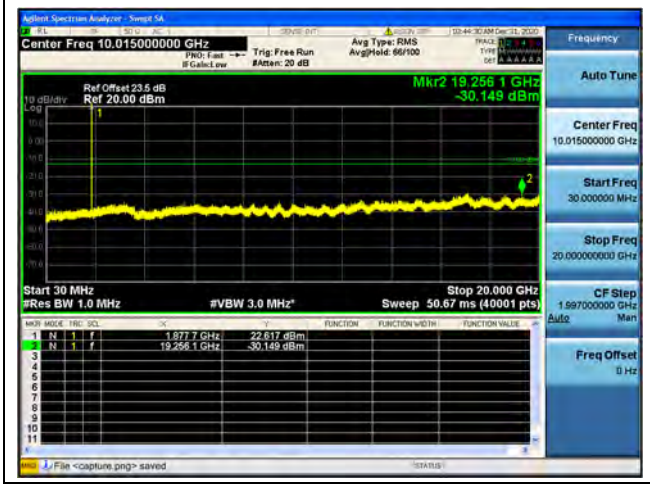
Band2 / 5MHz / Low CH / 16QAM

Band2 / 5MHz / Low CH / 64QAM



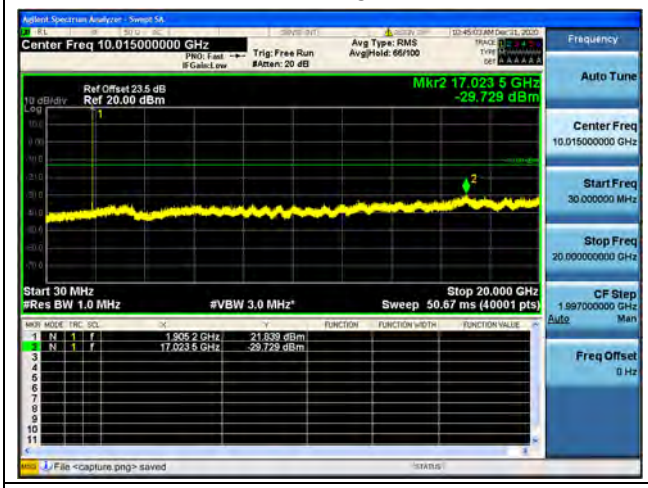
Band2 / 5MHz / Mid CH / QPSK

Band2 / 5MHz / Mid CH / 16QAM



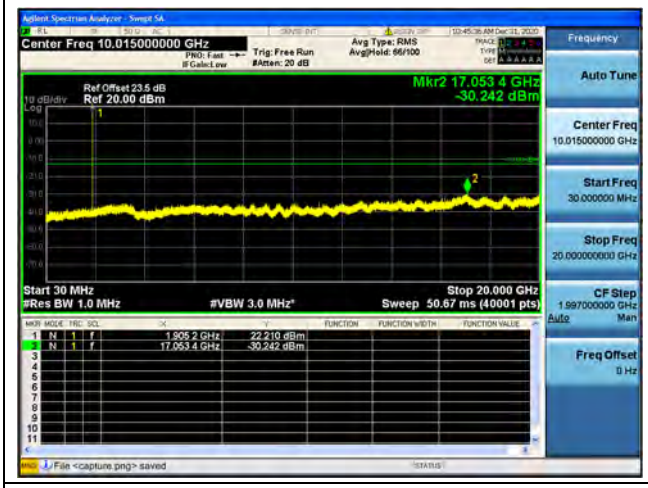
Band2 / 5MHz / Mid CH / 64QAM

Band2 / 5MHz / High CH / QPSK



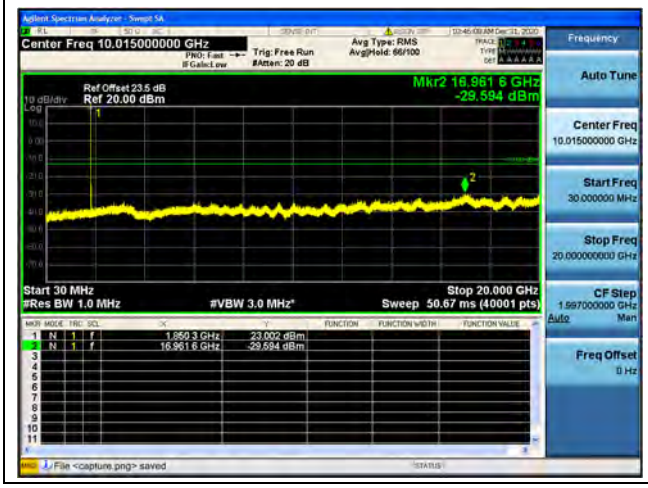
Band2 / 5MHz / High CH / 16QAM

Band2 / 5MHz / High CH / 64QAM



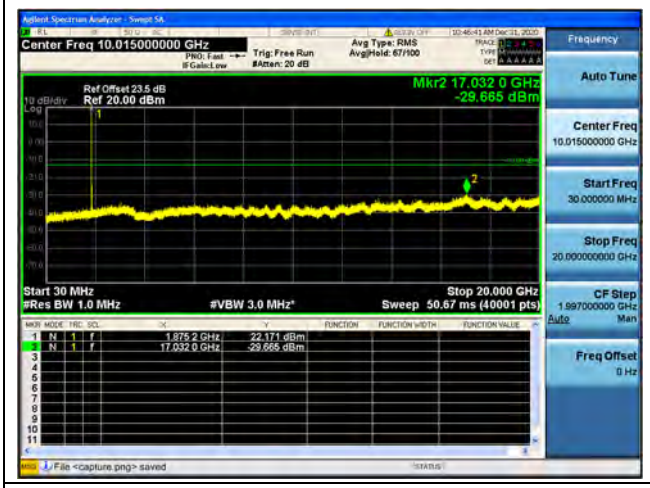
Band2 / 10MHz / Low CH / QPSK

Band2 / 10MHz / Low CH / 16QAM



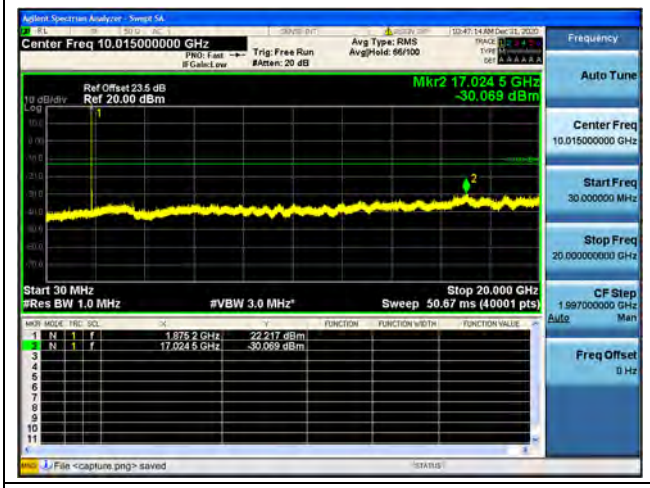
Band2 / 10MHz / Low CH / 64QAM

Band2 / 10MHz / Mid CH / QPSK



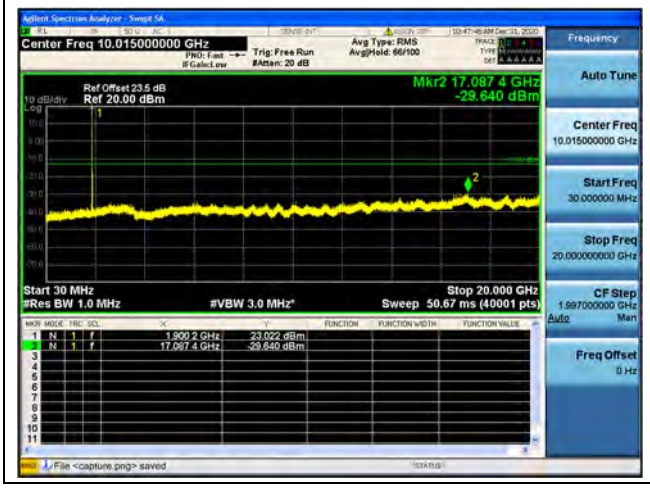
Band2 / 10MHz / Mid CH / 16QAM

Band2 / 10MHz / Mid CH / 64QAM



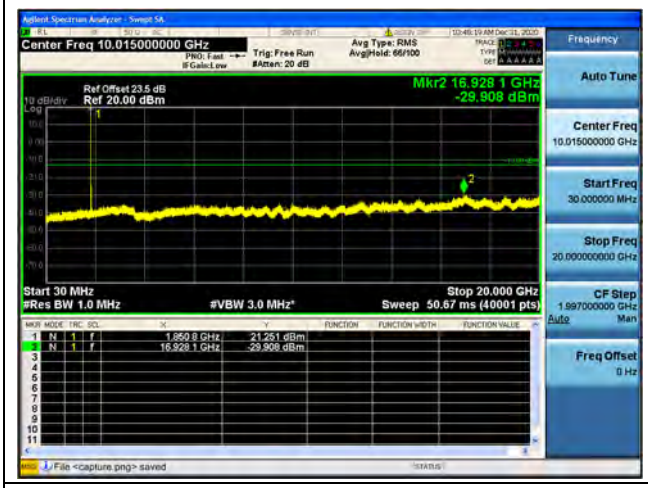
Band2 / 10MHz / High CH / QPSK

Band2 / 10MHz / High CH / 16QAM



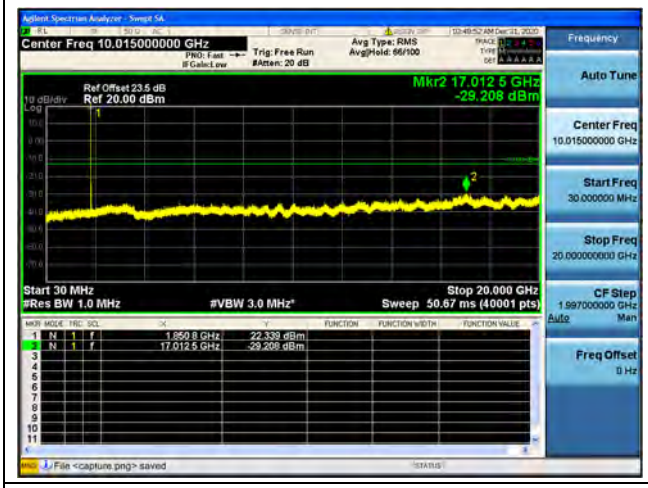
Band2 / 10MHz / High CH / 64QAM

Band2 / 15MHz / Low CH / QPSK



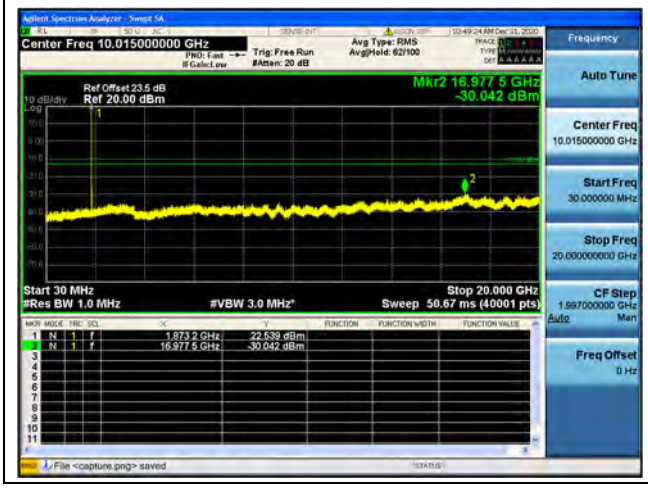
Band2 / 15MHz / Low CH / 16QAM

Band2 / 15MHz / Low CH / 64QAM



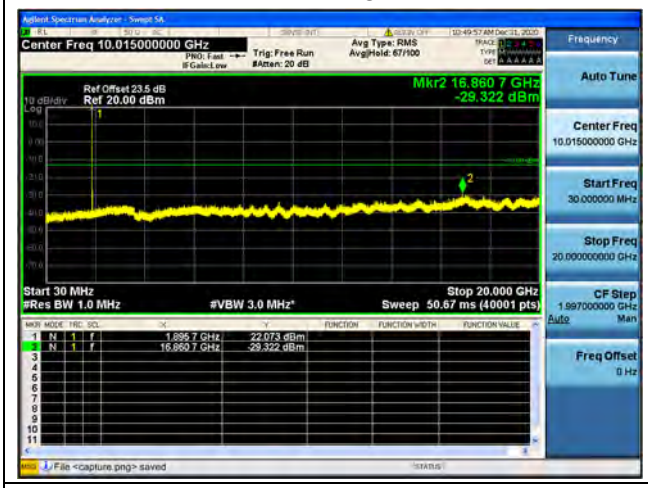
Band2 / 15MHz / Mid CH / QPSK

Band2 / 15MHz / Mid CH / 16QAM



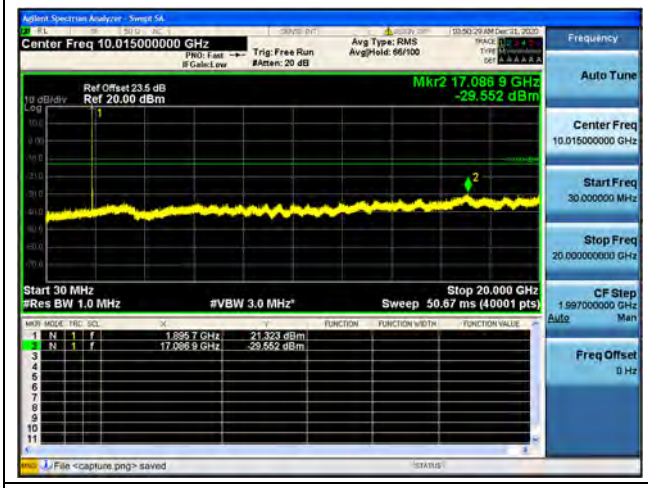
Band2 / 15MHz / Mid CH / 64QAM

Band2 / 15MHz / High CH / QPSK



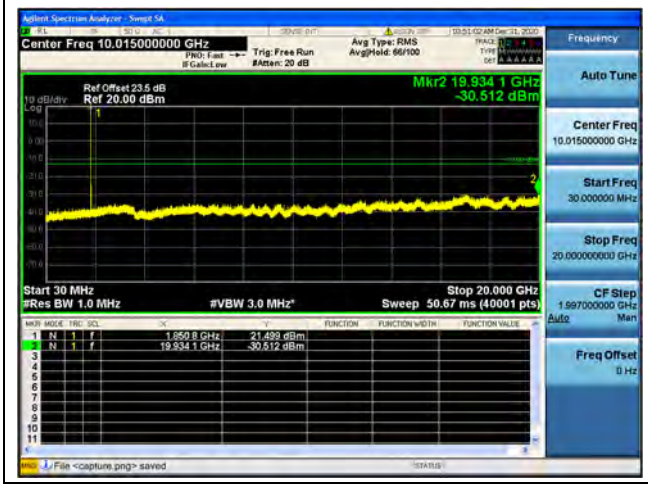
Band2 / 15MHz / High CH / 16QAM

Band2 / 15MHz / High CH / 64QAM



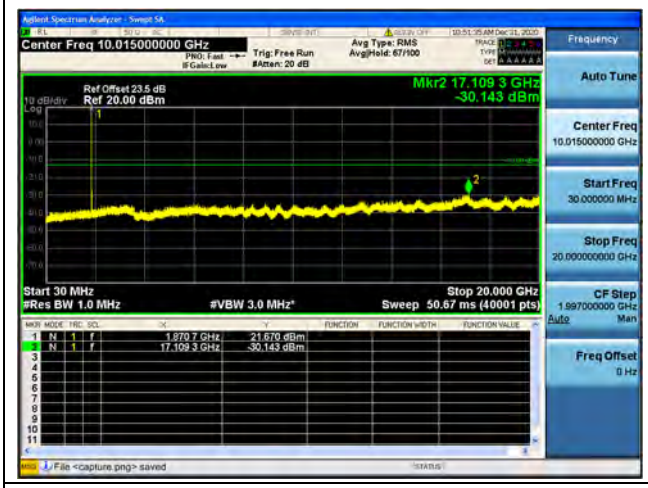
Band2 / 20MHz / Low CH / QPSK

Band2 / 20MHz / Low CH / 16QAM



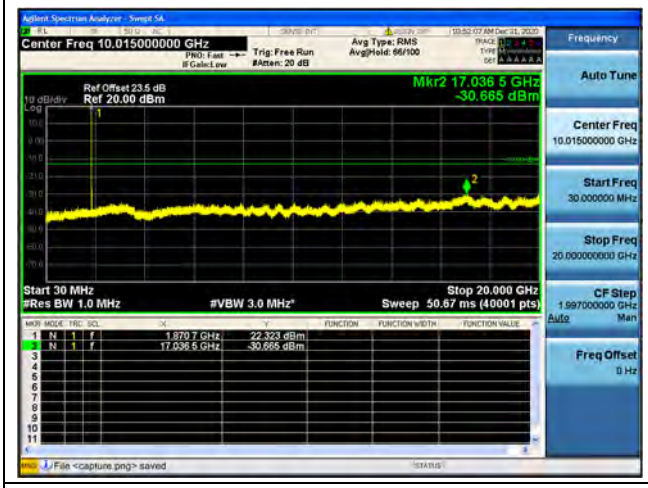
Band2 / 20MHz / Low CH / 64QAM

Band2 / 20MHz / Mid CH / QPSK



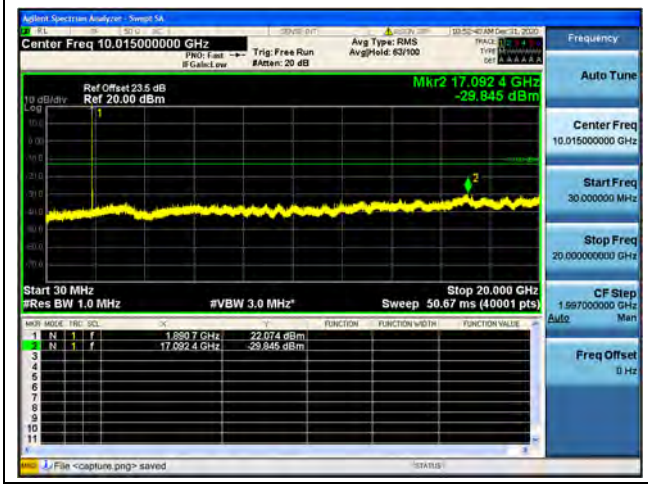
Band2 / 20MHz / Mid CH / 16QAM

Band2 / 20MHz / Mid CH / 64QAM



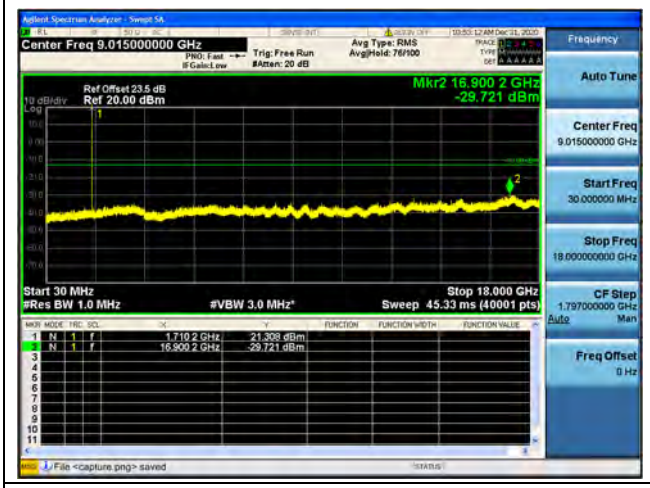
Band2 / 20MHz / High CH / QPSK

Band2 / 20MHz / High CH / 16QAM



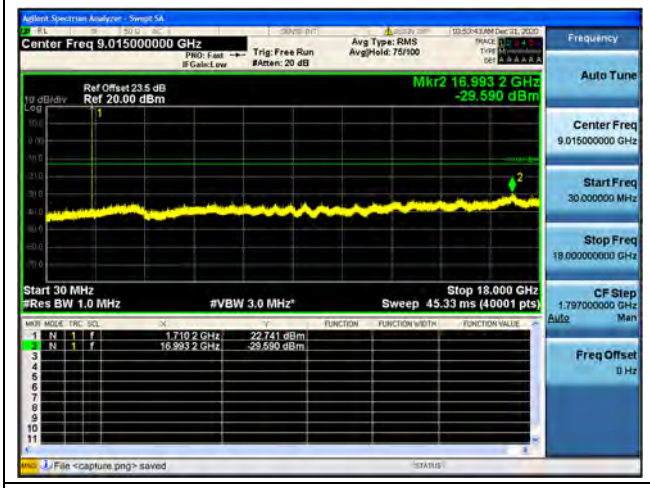
Band2 / 20MHz / High CH / 64QAM

Band4 / 1.4MHz / Low CH / QPSK



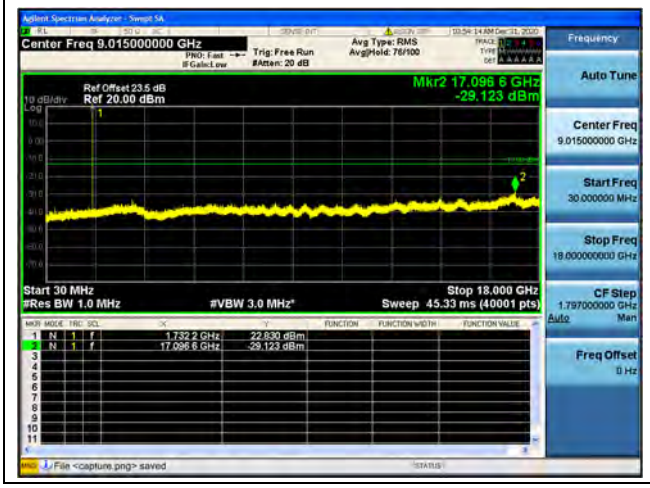
Band4 / 1.4MHz / Low CH / 16QAM

Band4 / 1.4MHz / Low CH / 64QAM



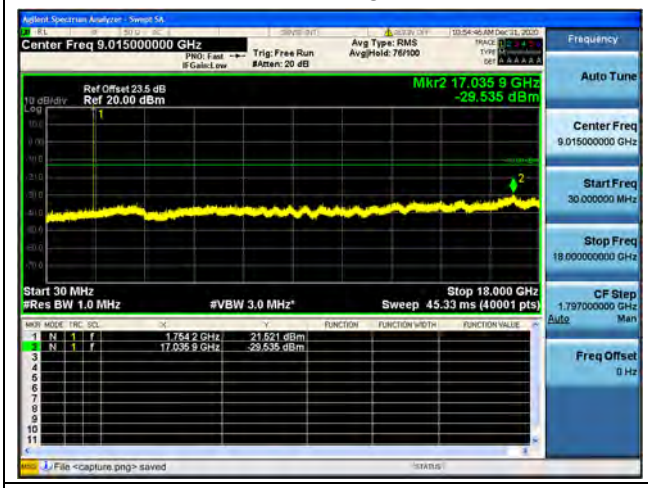
Band4 / 1.4MHz / Mid CH / QPSK

Band4 / 1.4MHz / Mid CH / 16QAM



Band4 / 1.4MHz / Mid CH / 64QAM

Band4 / 1.4MHz / High CH / QPSK

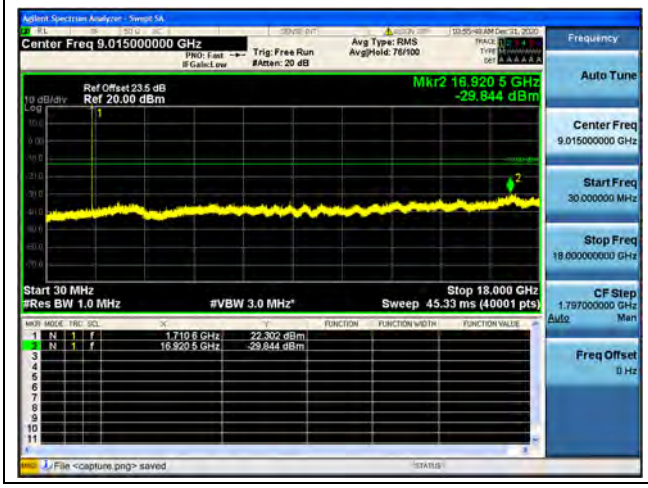


Band4 / 1.4MHz / High CH / 16QAM

Band4 / 1.4MHz / High CH / 64QAM

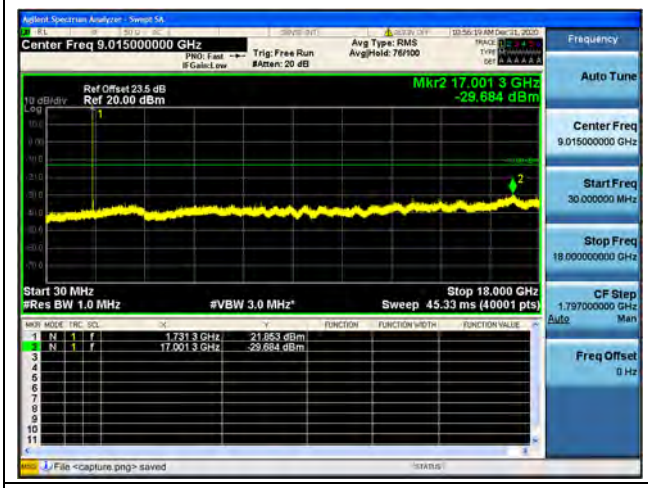
Band4 / 3MHz / Low CH / QPSK

Band4 / 3MHz / Low CH / 16QAM



Band4 / 3MHz / Low CH / 64QAM

Band4 / 3MHz / Mid CH / QPSK

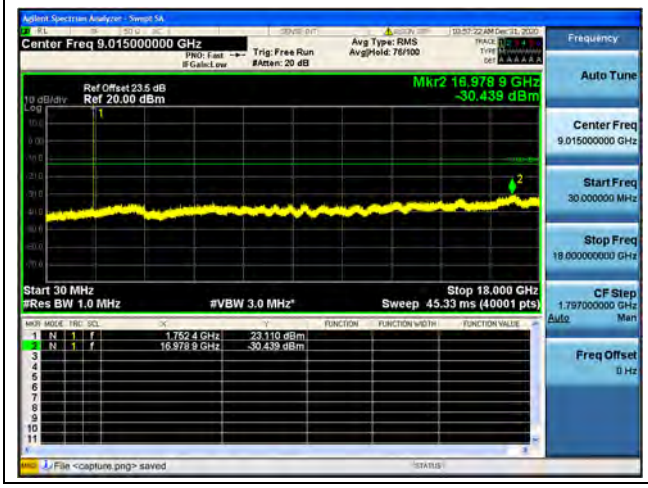


Band4 / 3MHz / Mid CH / 16QAM

Band4 / 3MHz / Mid CH / 64QAM

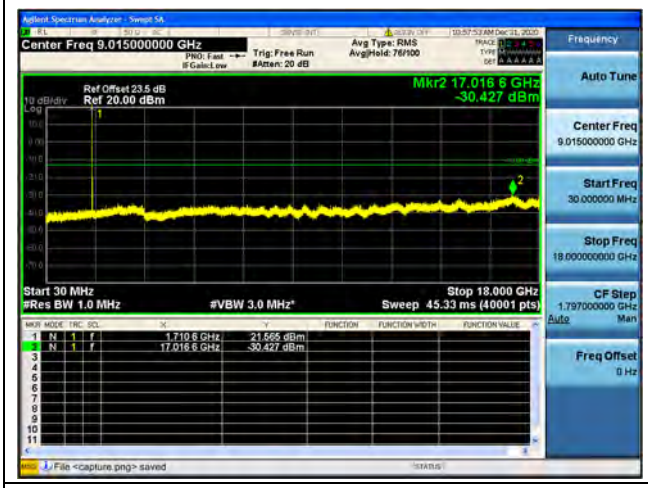
Band4 / 3MHz / High CH / QPSK

Band4 / 3MHz / High CH / 16QAM



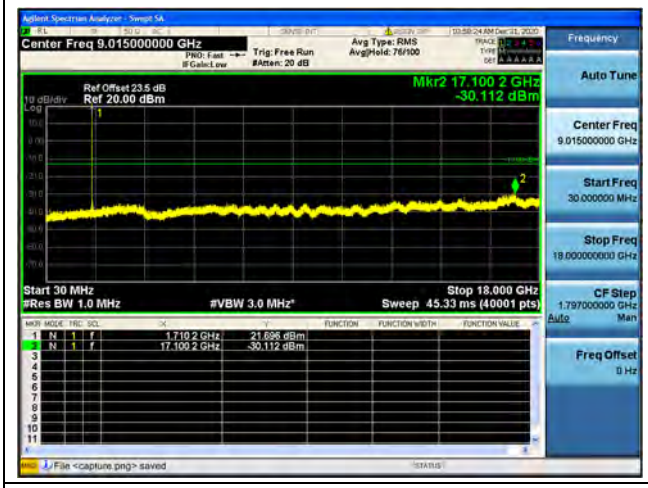
Band4 / 3MHz / High CH / 64QAM

Band4 / 5MHz / Low CH / QPSK



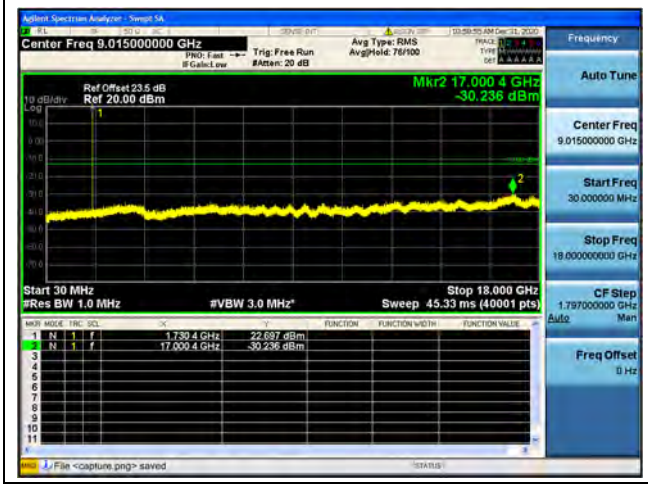
Band4 / 5MHz / Low CH / 16QAM

Band4 / 5MHz / Low CH / 64QAM



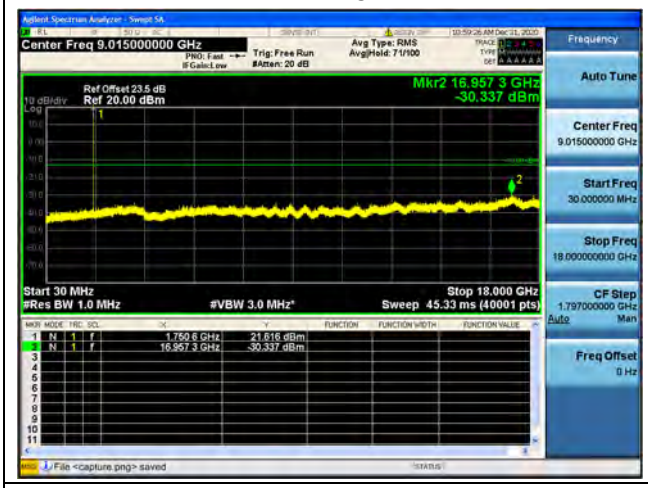
Band4 / 5MHz / Mid CH / QPSK

Band4 / 5MHz / Mid CH / 16QAM



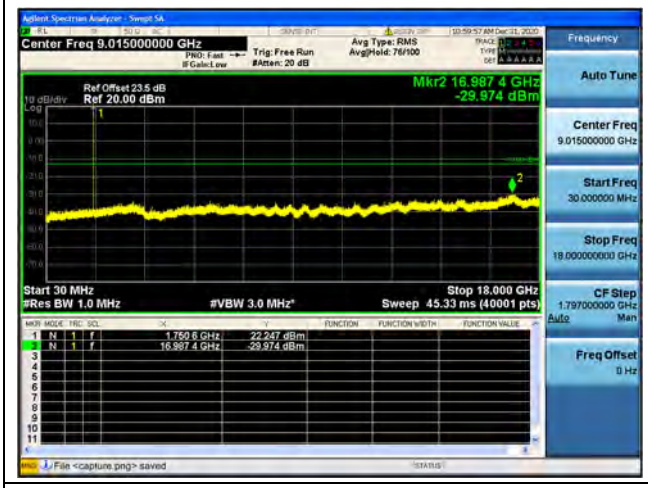
Band4 / 5MHz / Mid CH / 64QAM

Band4 / 5MHz / High CH / QPSK



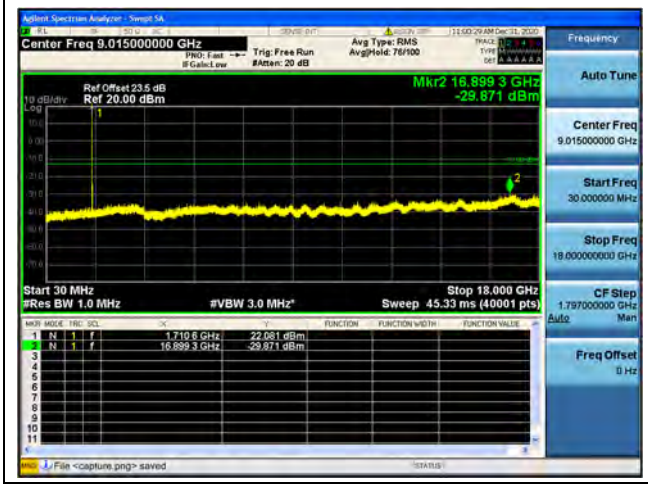
Band4 / 5MHz / High CH / 16QAM

Band4 / 5MHz / High CH / 64QAM



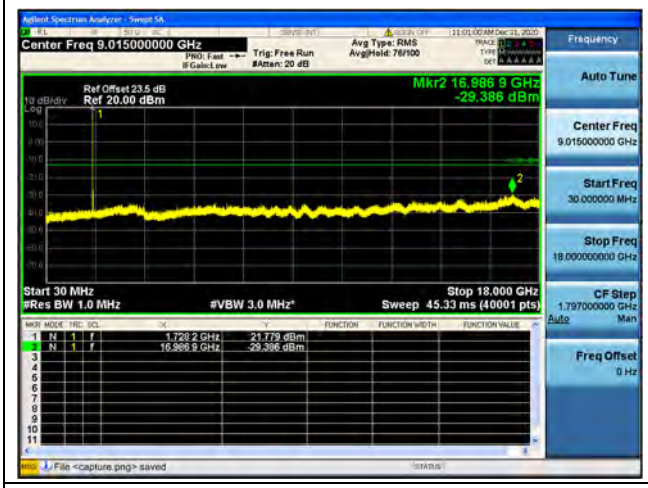
Band4 / 10MHz / Low CH / QPSK

Band4 / 10MHz / Low CH / 16QAM



Band4 / 10MHz / Low CH / 64QAM

Band4 / 10MHz / Mid CH / QPSK

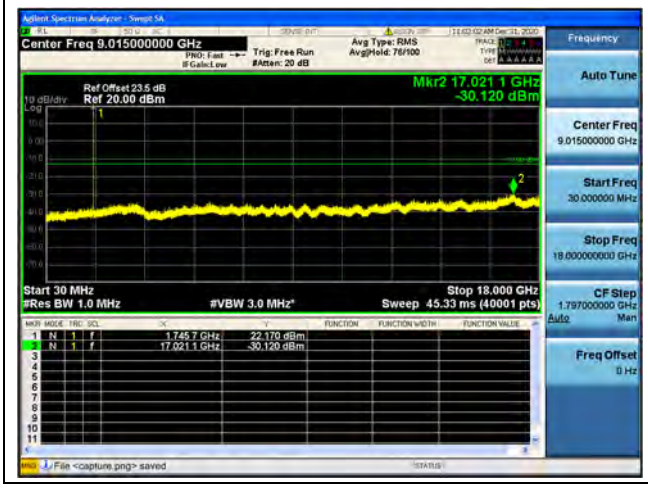


Band4 / 10MHz / Mid CH / 16QAM

Band4 / 10MHz / Mid CH / 64QAM

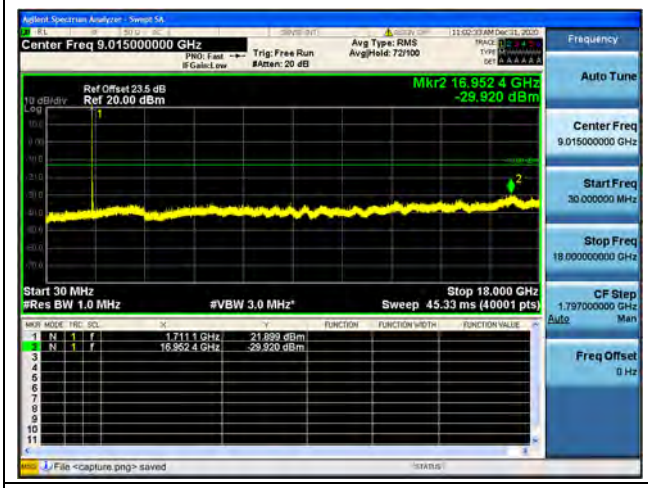
Band4 / 10MHz / High CH / QPSK

Band4 / 10MHz / High CH / 16QAM



Band4 / 10MHz / High CH / 64QAM

Band4 / 15MHz / Low CH / QPSK



Band4 / 15MHz / Low CH / 16QAM

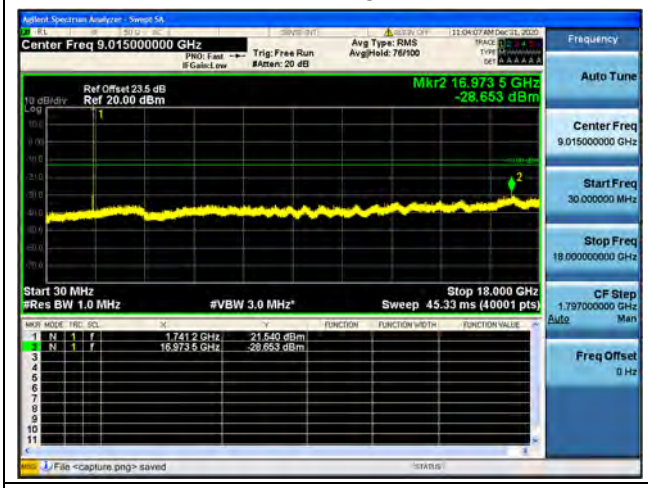
Band4 / 15MHz / Low CH / 64QAM

Band4 / 15MHz / Mid CH / QPSK

Band4 / 15MHz / Mid CH / 16QAM

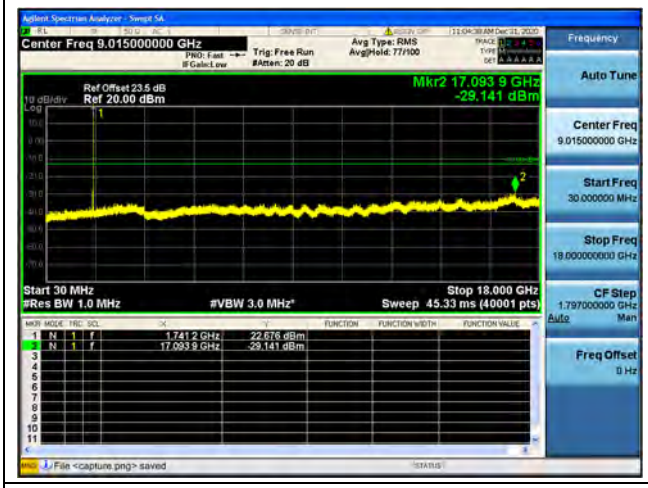
Band4 / 15MHz / Mid CH / 64QAM

Band4 / 15MHz / High CH / QPSK



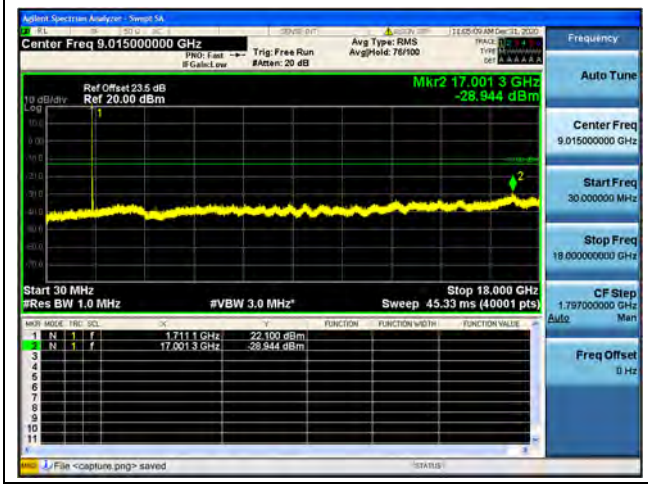
Band4 / 15MHz / High CH / 16QAM

Band4 / 15MHz / High CH / 64QAM



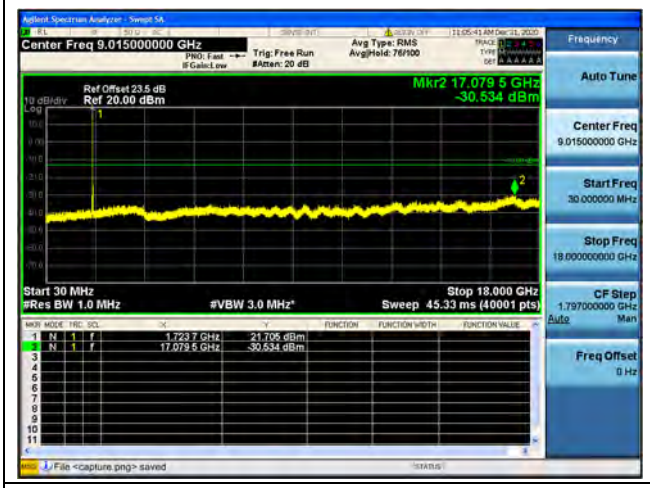
Band4 / 20MHz / Low CH / QPSK

Band4 / 20MHz / Low CH / 16QAM



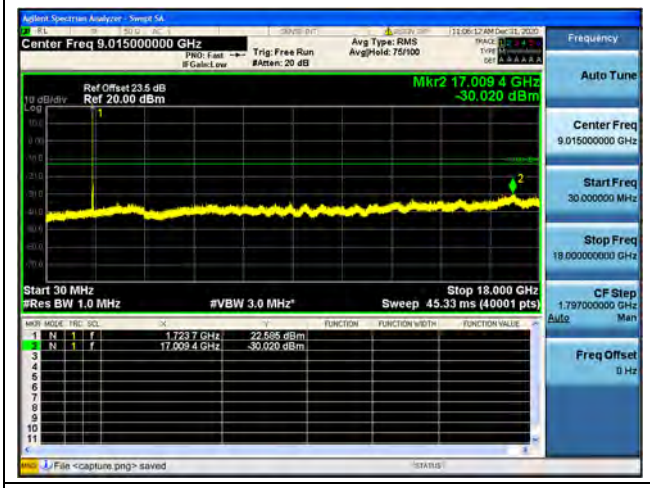
Band4 / 20MHz / Low CH / 64QAM

Band4 / 20MHz / Mid CH / QPSK



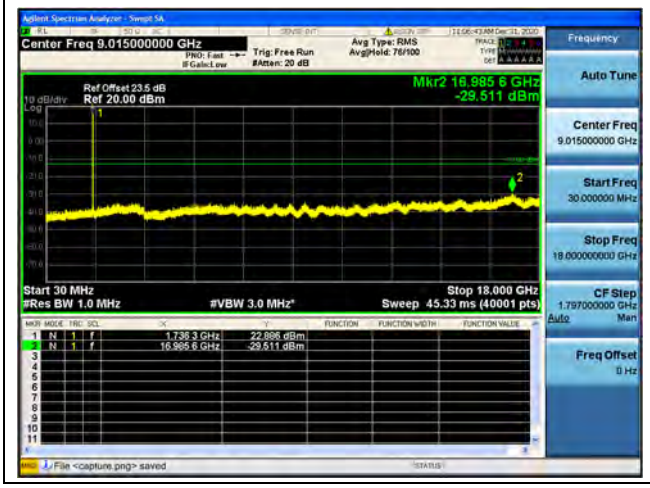
Band4 / 20MHz / Mid CH / 16QAM

Band4 / 20MHz / Mid CH / 64QAM



Band4 / 20MHz / High CH / QPSK

Band4 / 20MHz / High CH / 16QAM

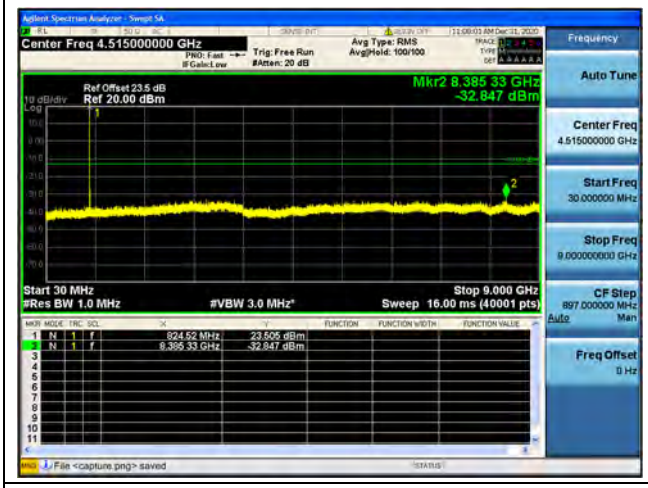


Band4 / 20MHz / High CH / 64QAM

Band5 / 1.4MHz / Low CH / QPSK

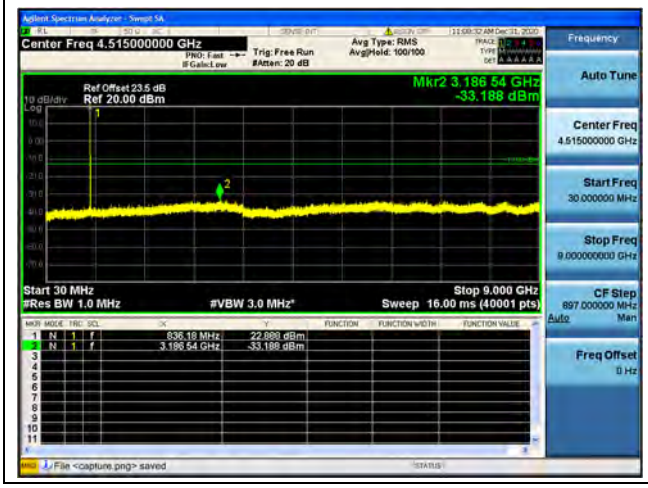
Band5 / 1.4MHz / Low CH / 16QAM

Band5 / 1.4MHz / Low CH / 64QAM



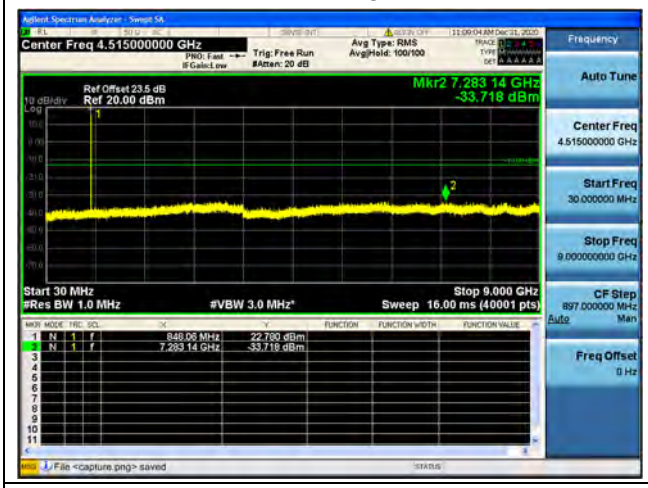
Band5 / 1.4MHz / Mid CH / QPSK

Band5 / 1.4MHz / Mid CH / 16QAM



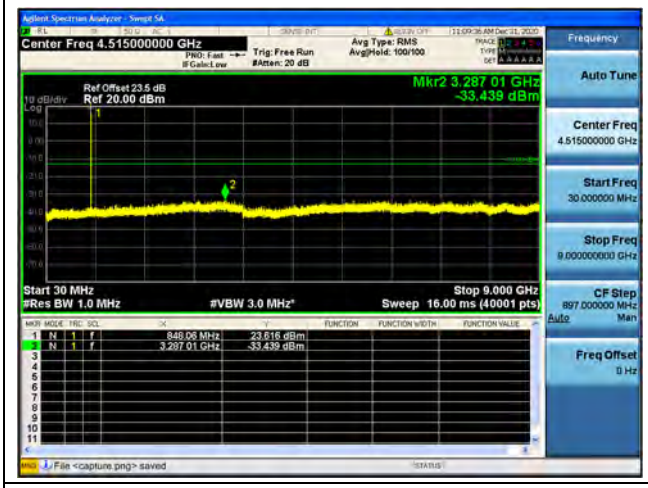
Band5 / 1.4MHz / Mid CH / 64QAM

Band5 / 1.4MHz / High CH / QPSK



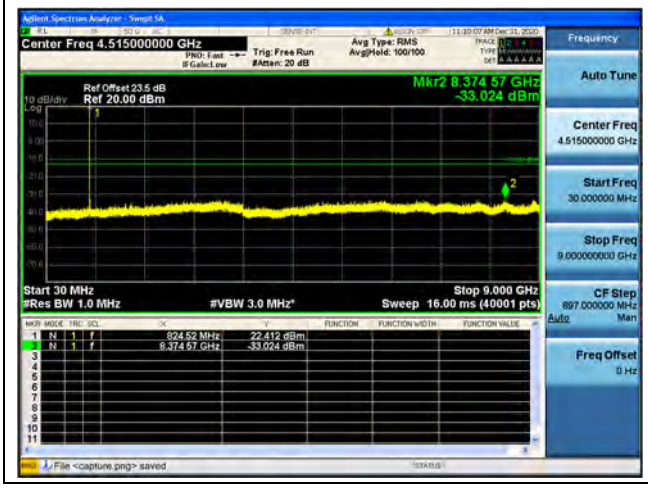
Band5 / 1.4MHz / High CH / 16QAM

Band5 / 1.4MHz / High CH / 64QAM



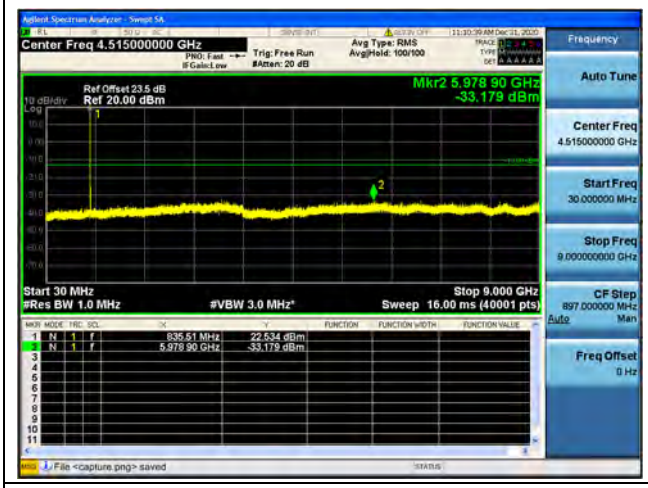
Band5 / 3MHz / Low CH / QPSK

Band5 / 3MHz / Low CH / 16QAM



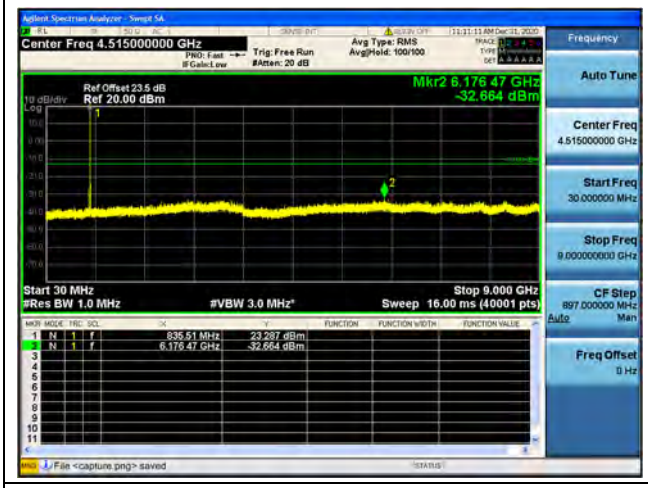
Band5 / 3MHz / Low CH / 64QAM

Band5 / 3MHz / Mid CH / QPSK



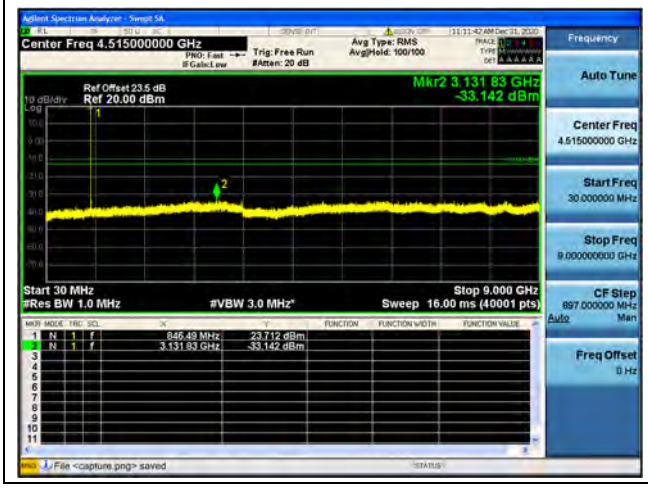
Band5 / 3MHz / Mid CH / 16QAM

Band5 / 3MHz / Mid CH / 64QAM



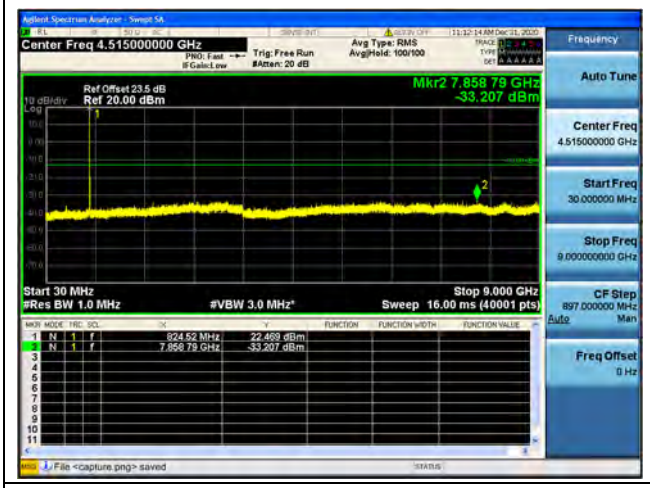
Band5 / 3MHz / High CH / QPSK

Band5 / 3MHz / High CH / 16QAM



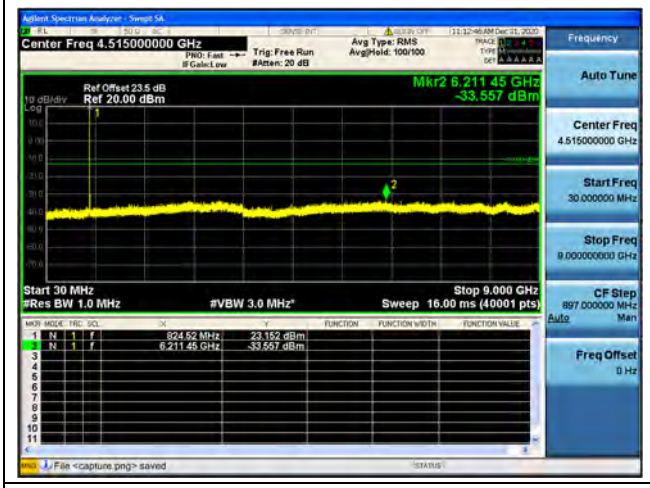
Band5 / 3MHz / High CH / 64QAM

Band5 / 5MHz / Low CH / QPSK



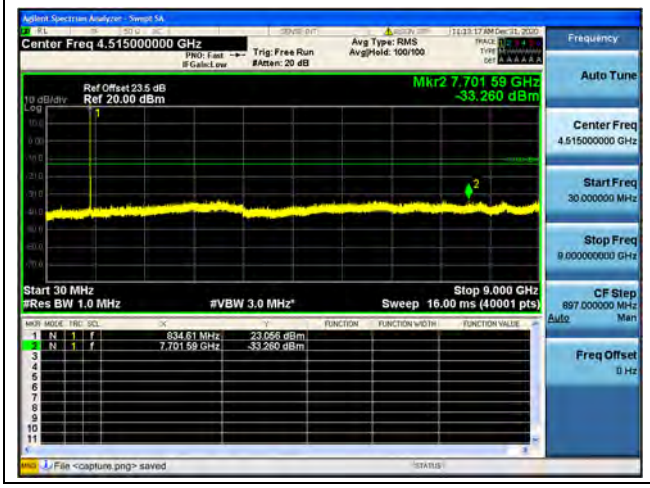
Band5 / 5MHz / Low CH / 16QAM

Band5 / 5MHz / Low CH / 64QAM



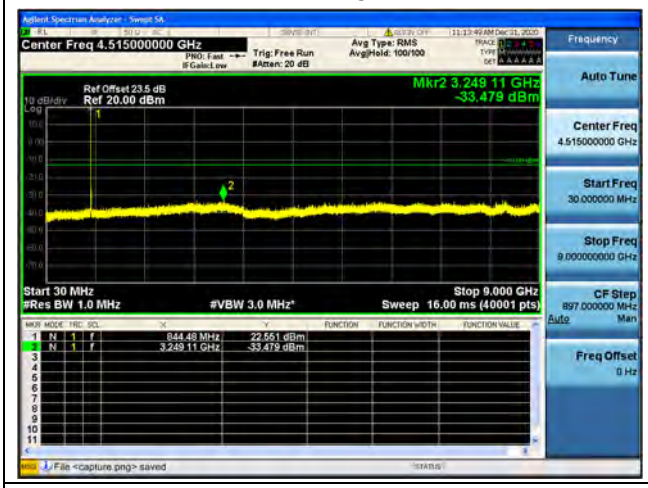
Band5 / 5MHz / Mid CH / QPSK

Band5 / 5MHz / Mid CH / 16QAM



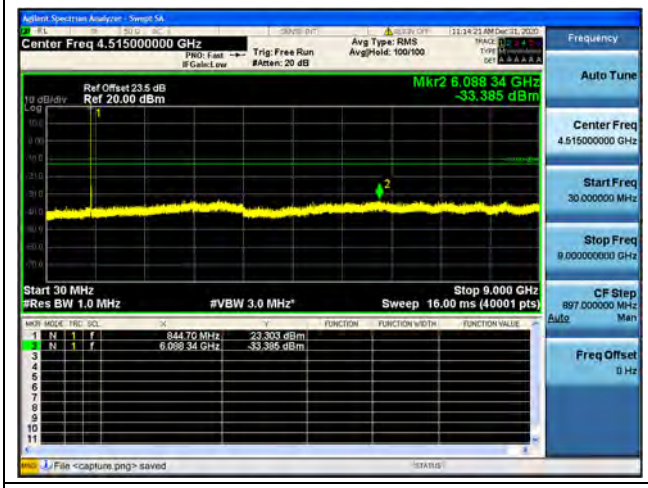
Band5 / 5MHz / Mid CH / 64QAM

Band5 / 5MHz / High CH / QPSK



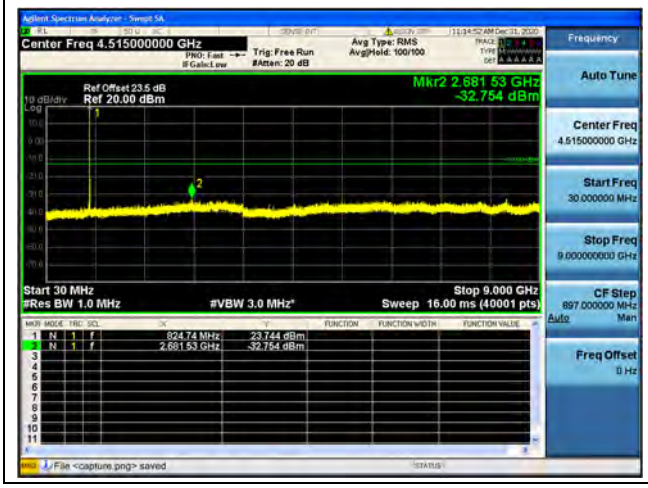
Band5 / 5MHz / High CH / 16QAM

Band5 / 5MHz / High CH / 64QAM



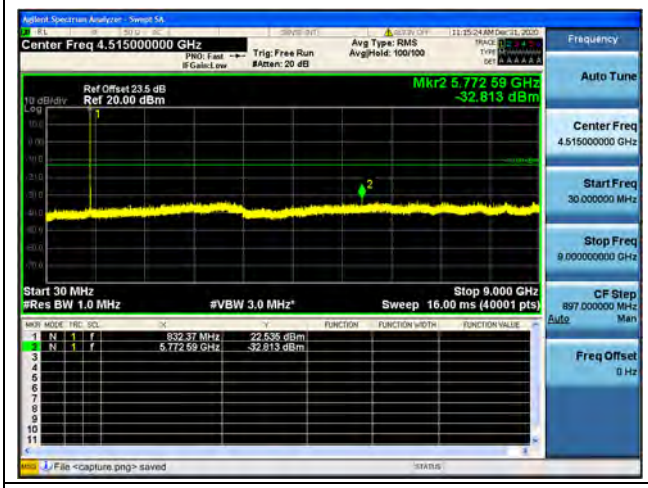
Band5 / 10MHz / Low CH / QPSK

Band5 / 10MHz / Low CH / 16QAM



Band5 / 10MHz / Low CH / 64QAM

Band5 / 10MHz / Mid CH / QPSK

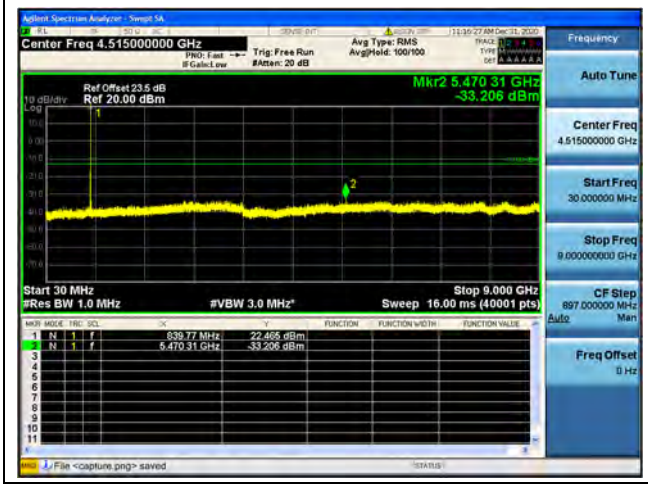


Band5 / 10MHz / Mid CH / 16QAM

Band5 / 10MHz / Mid CH / 64QAM

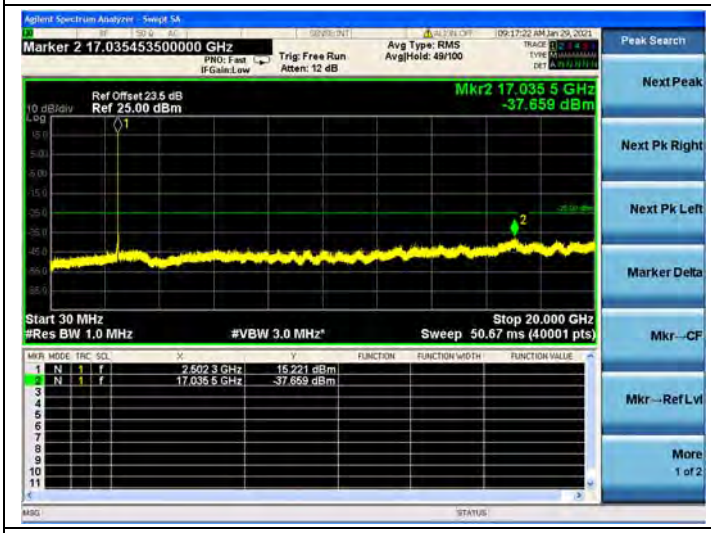
Band5 / 10MHz / High CH / QPSK

Band5 / 10MHz / High CH / 16QAM

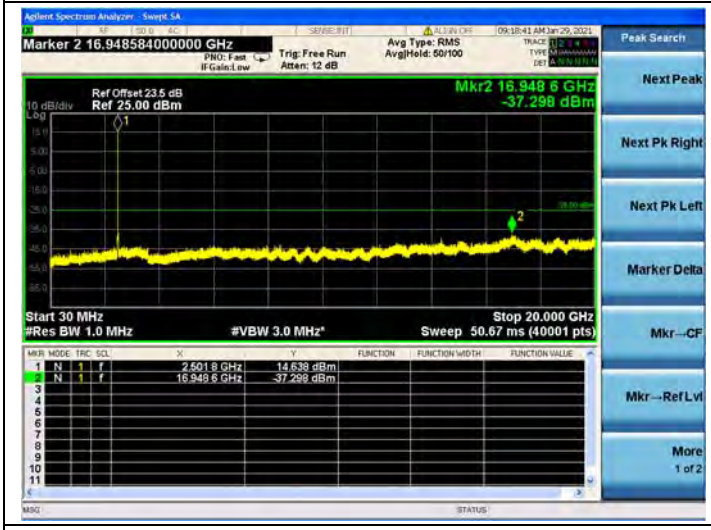


Band5 / 10MHz / High CH / 64QAM

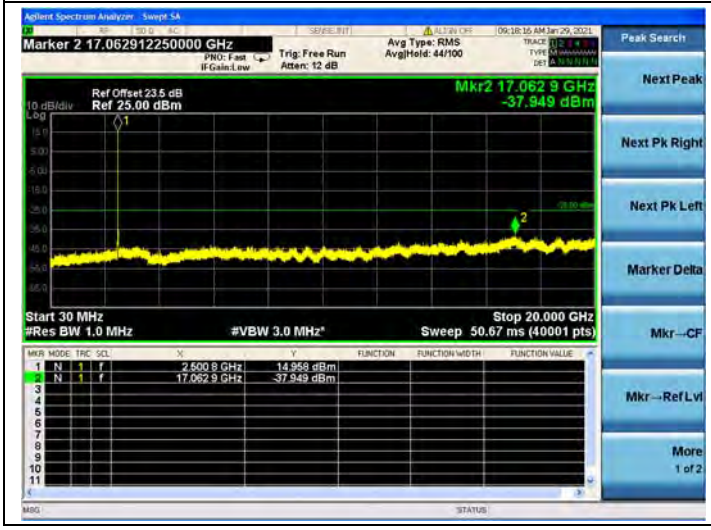
Band 7 / 5MHz / Low CH / QPSK



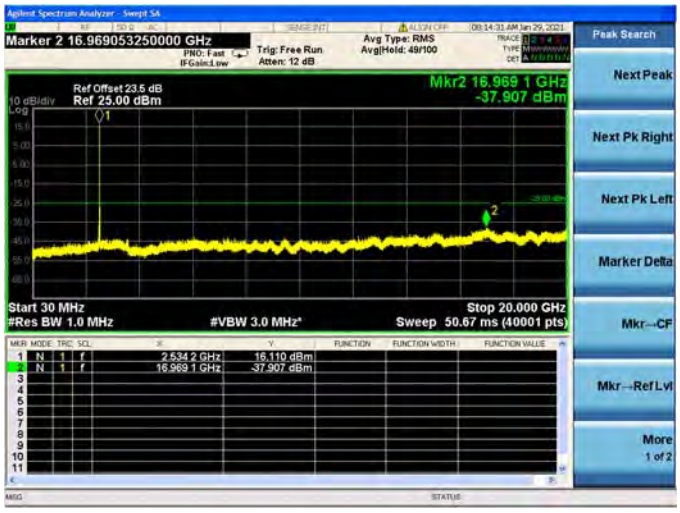
Band 7 / 5MHz / Low CH / 16QAM



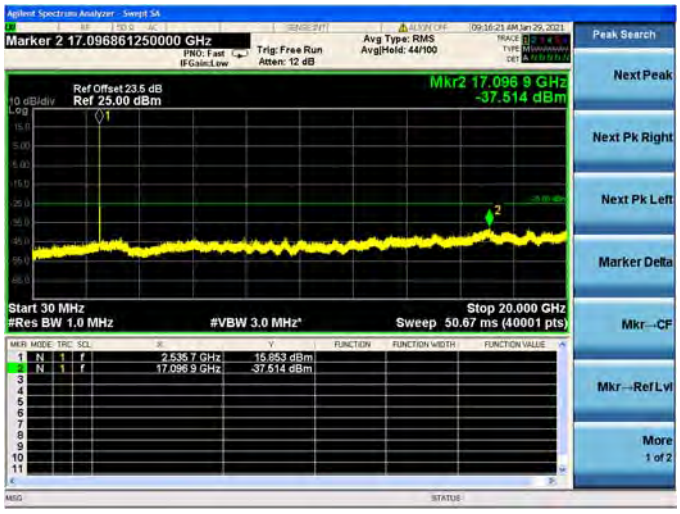
Band 7 / 5MHz / Low CH / 64QAM



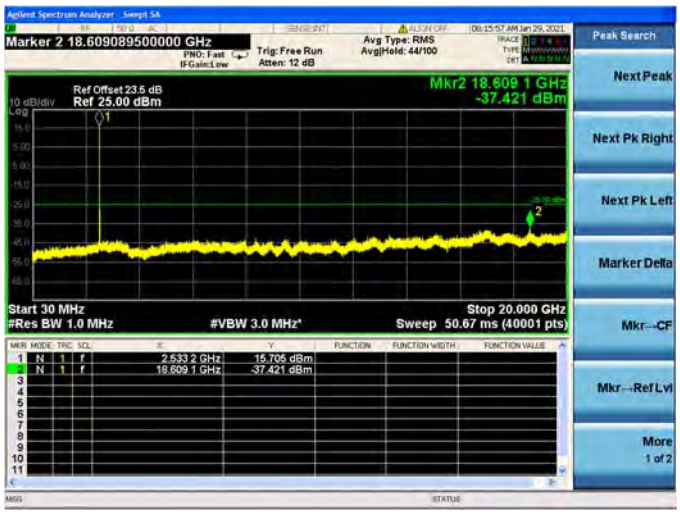
Band 7 / 5MHz / Mid CH / QPSK



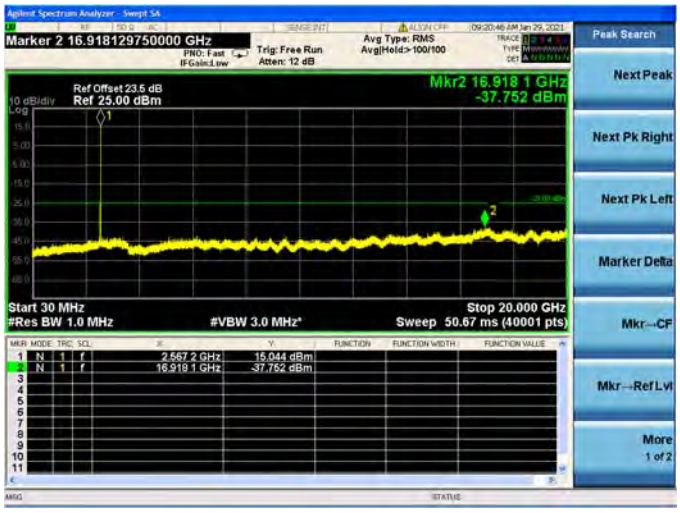
Band 7 / 5MHz / Mid CH / 16QAM



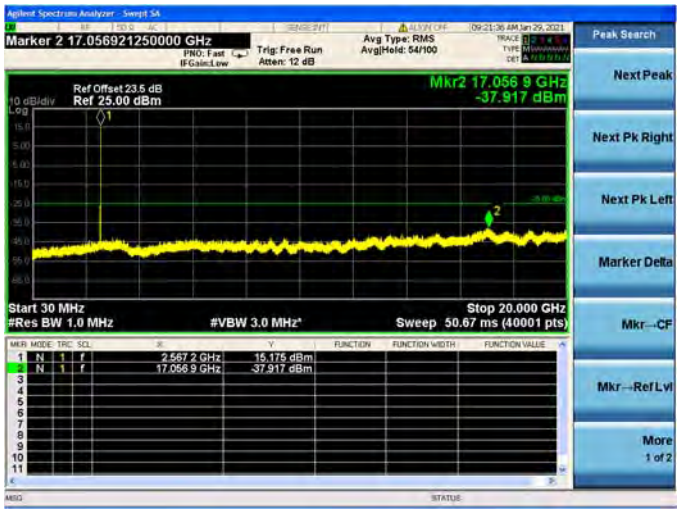
Band 7 / 5MHz / Mid CH / 64QAM



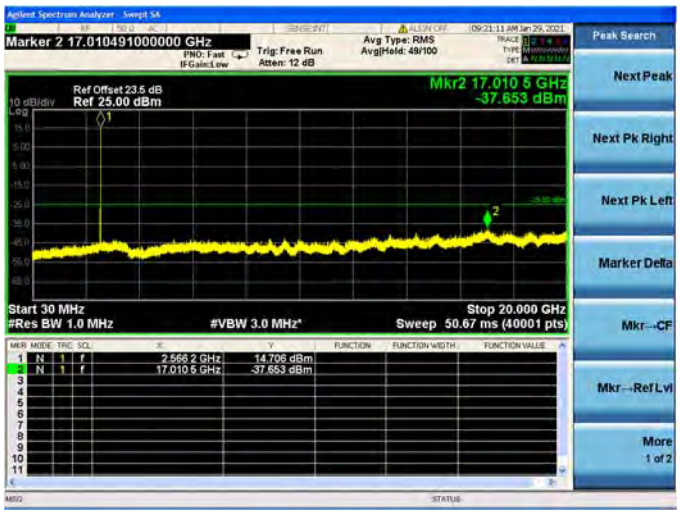
Band 7 / 5MHz / High CH / QPSK



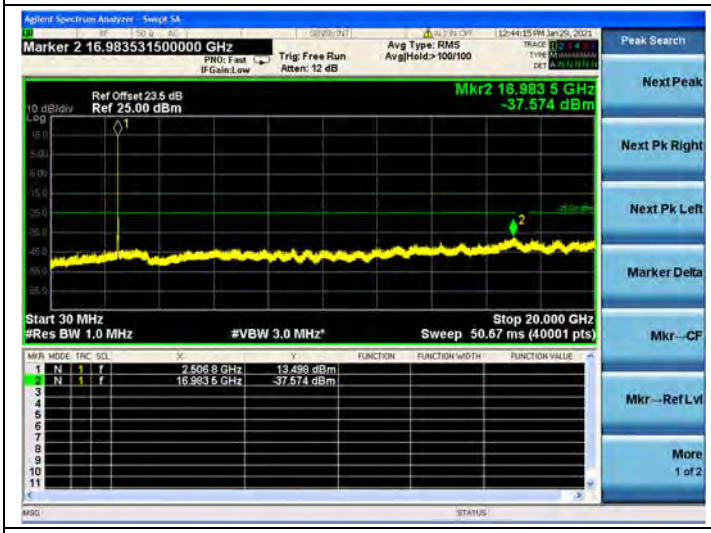
Band 7 / 5MHz / High CH / 16QAM

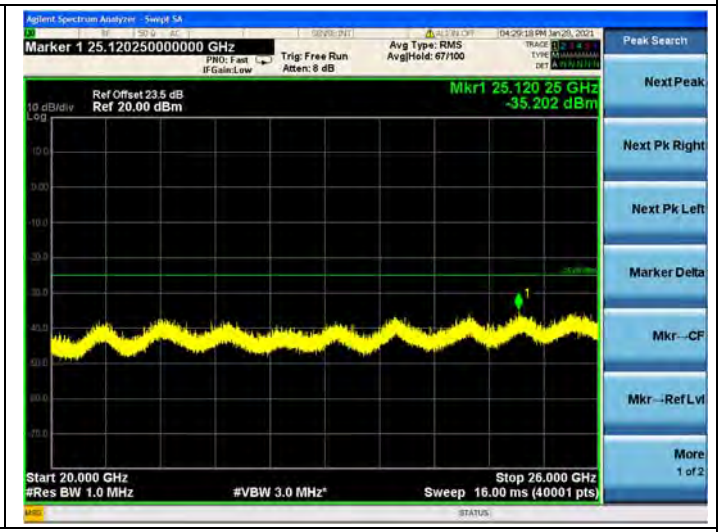


Band 7 / 5MHz / High CH / 64QAM

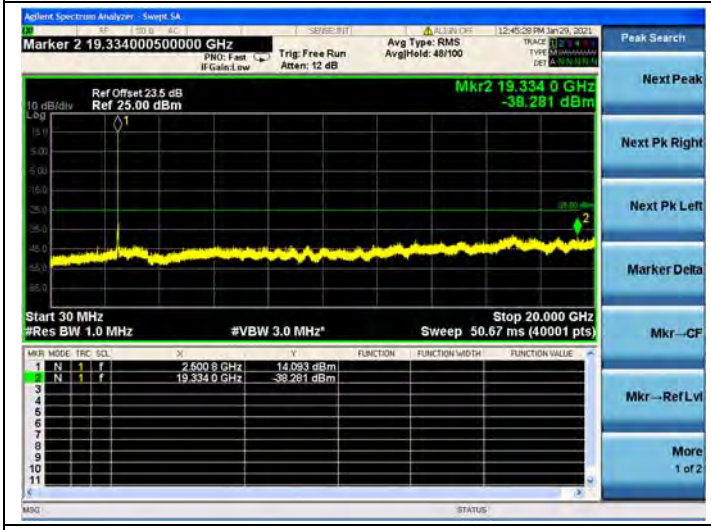
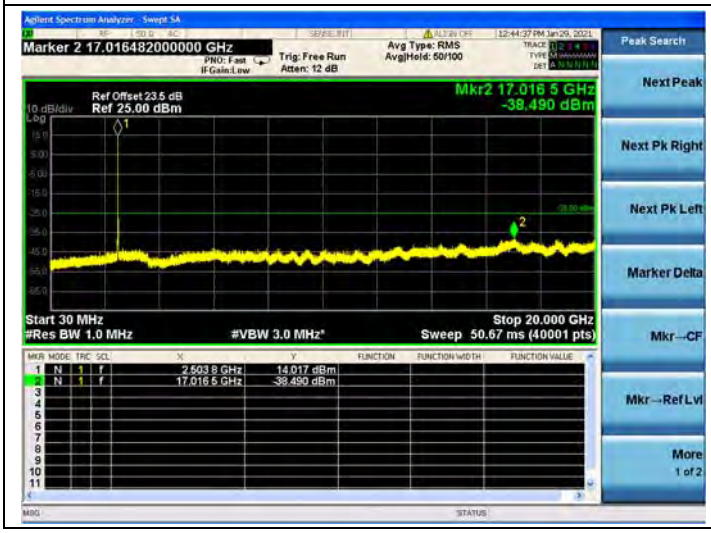


Band 7 / 10MHz / Low CH / QPSK





Band 7 / 10MHz / Low CH / 16QAM



Band 7 / 10MHz / Low CH / 64QAM