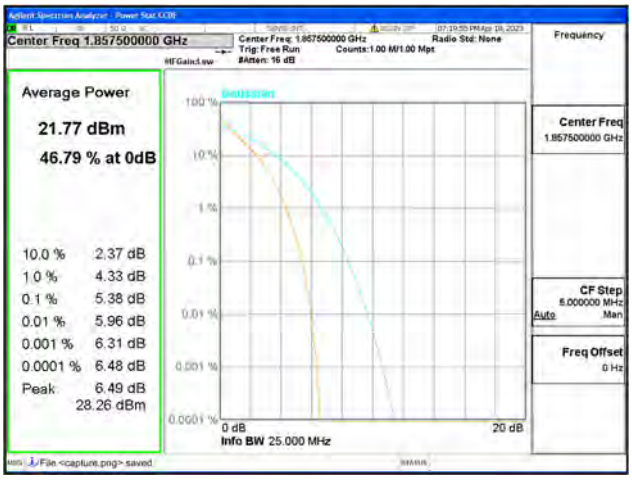
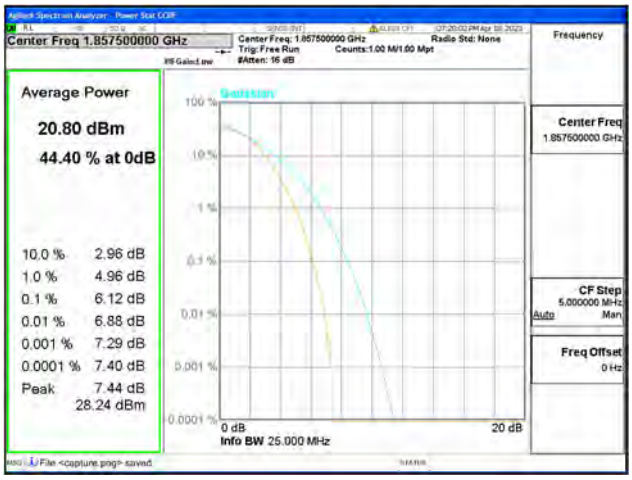
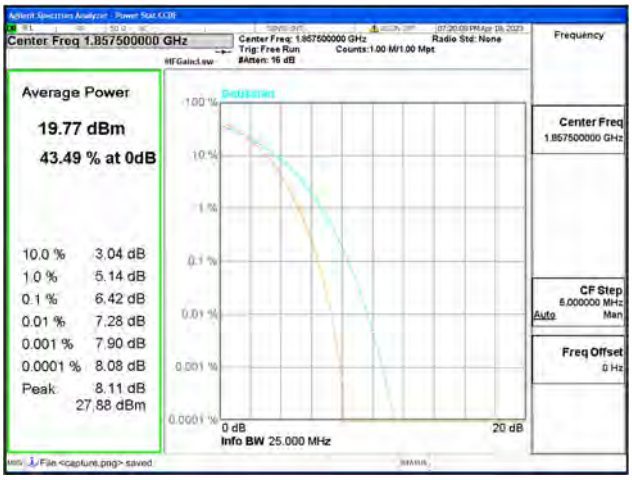


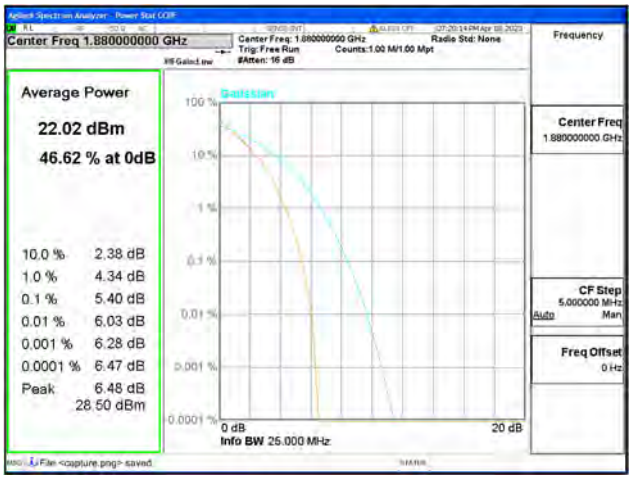
Band2 / 15MHz / Low CH / QPSK



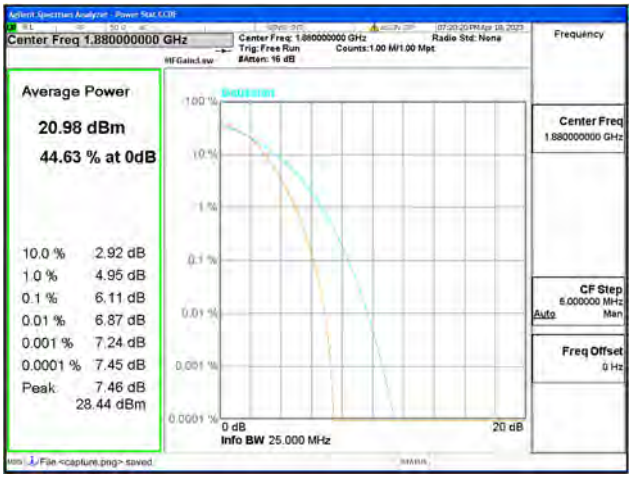
Band2 / 15MHz / Low CH / 16QAM



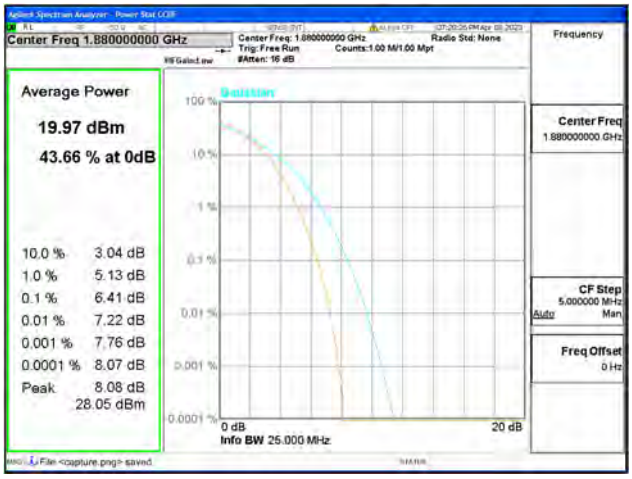
Band2 / 15MHz / Low CH / 64QAM



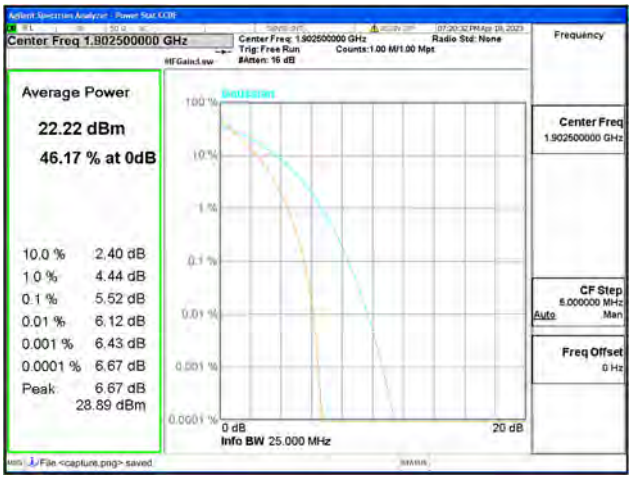
Band2 / 15MHz / Mid CH / QPSK



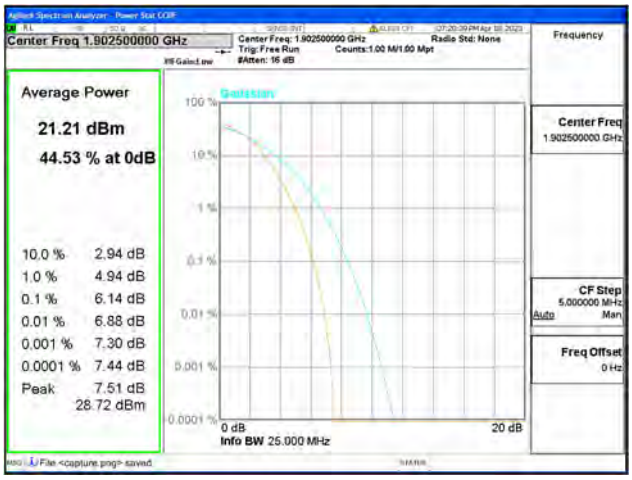
Band2 / 15MHz / Mid CH / 16QAM



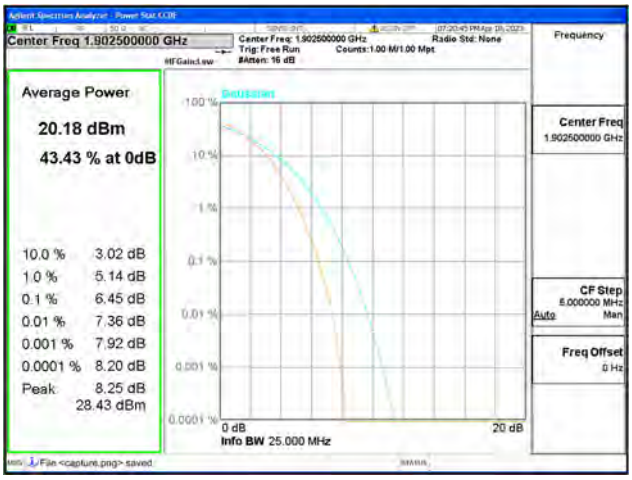
Band2 / 15MHz / Mid CH / 64QAM



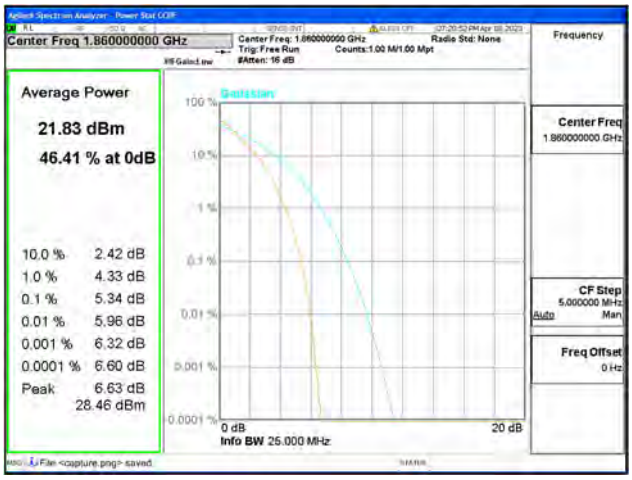
Band2 / 15MHz / High CH / QPSK



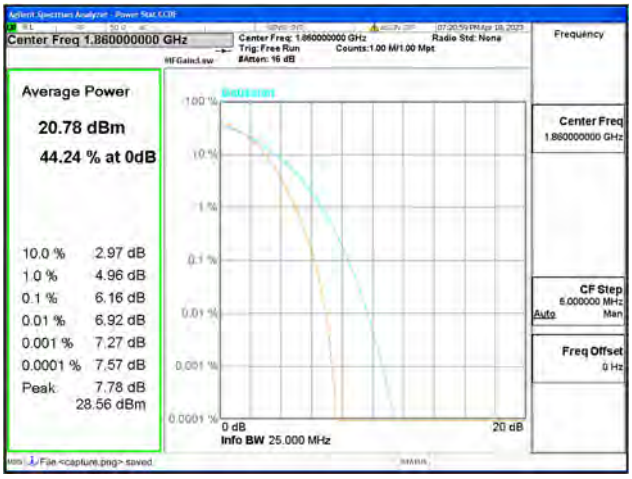
Band2 / 15MHz / High CH / 16QAM



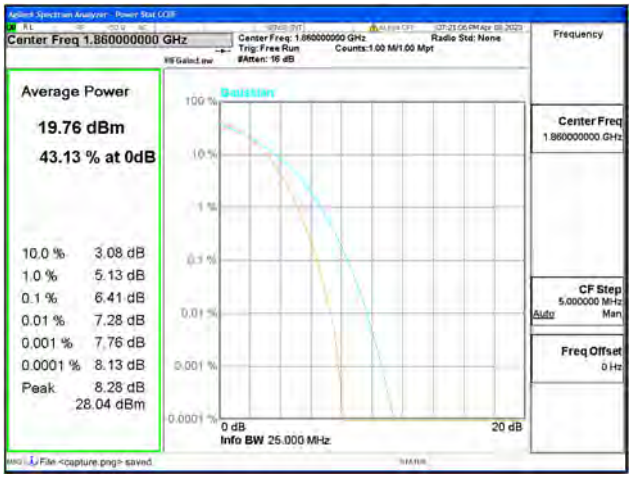
Band2 / 15MHz / High CH / 64QAM



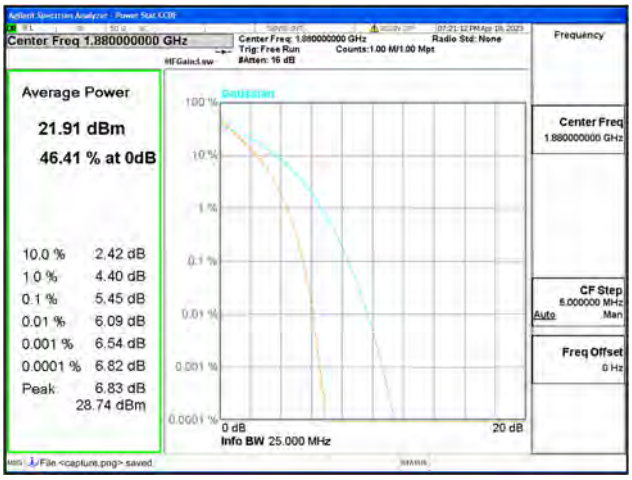
Band2 / 20MHz / Low CH / QPSK



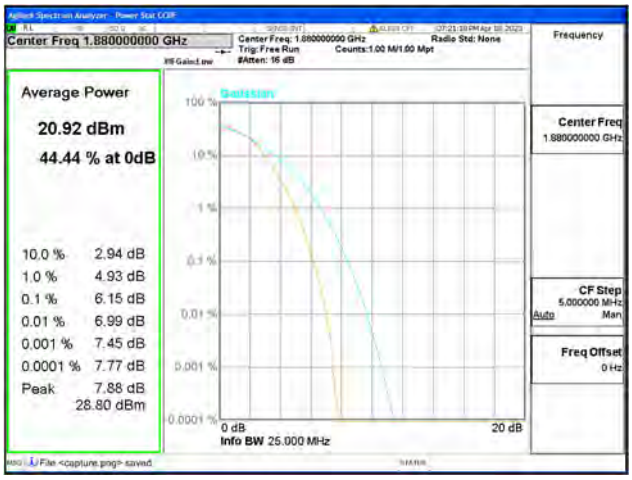
Band2 / 20MHz / Low CH / 16QAM



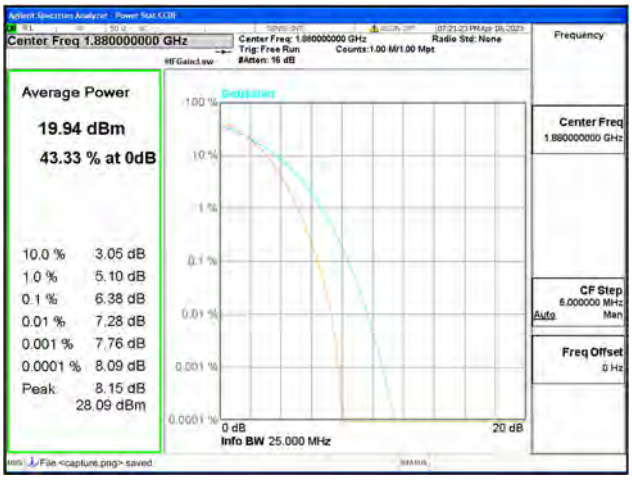
Band2 / 20MHz / Low CH / 64QAM



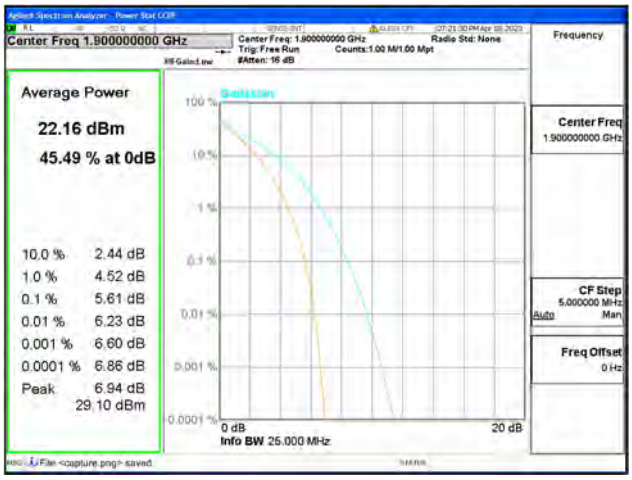
Band2 / 20MHz / Mid CH / QPSK



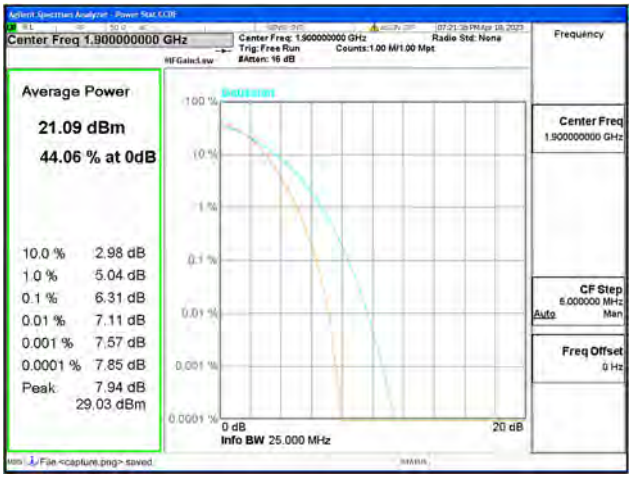
Band2 / 20MHz / Mid CH / 16QAM



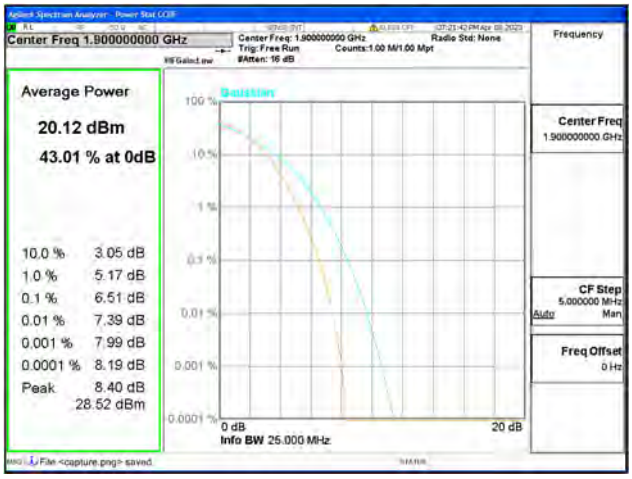
Band2 / 20MHz / Mid CH / 64QAM



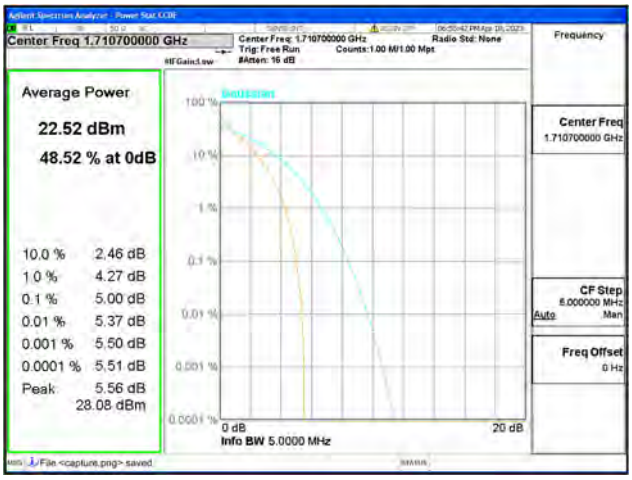
Band2 / 20MHz / High CH / QPSK



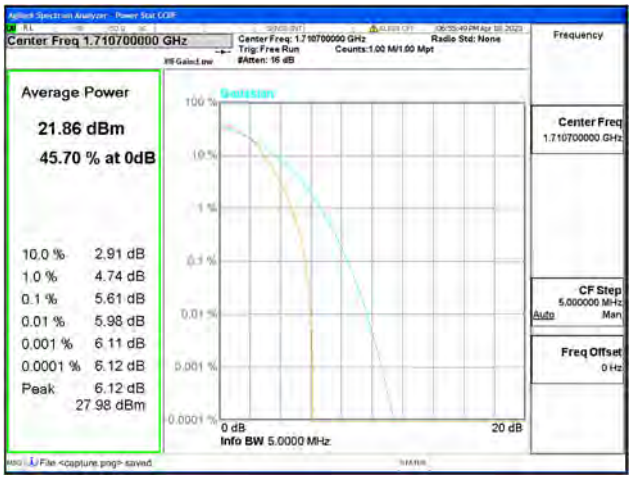
Band2 / 20MHz / High CH / 16QAM



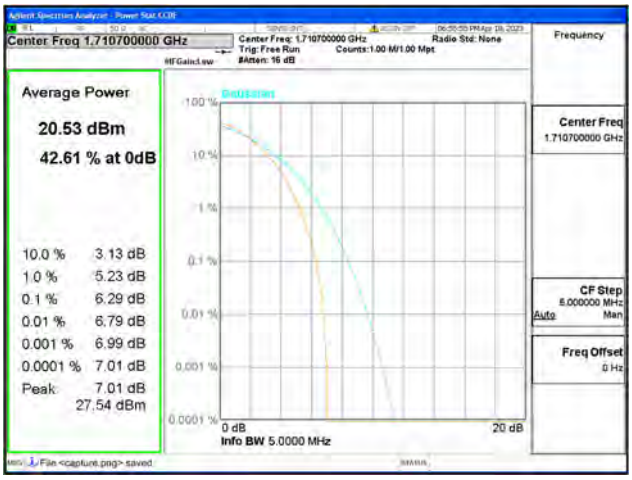
Band2 / 20MHz / High CH / 64QAM



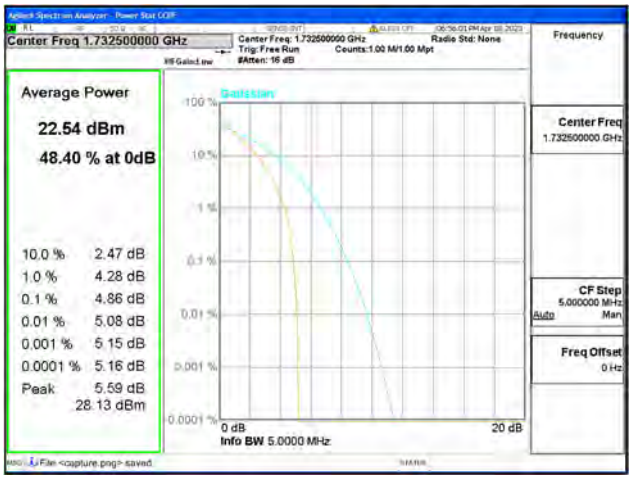
Band4 / 1.4MHz / Low CH / QPSK



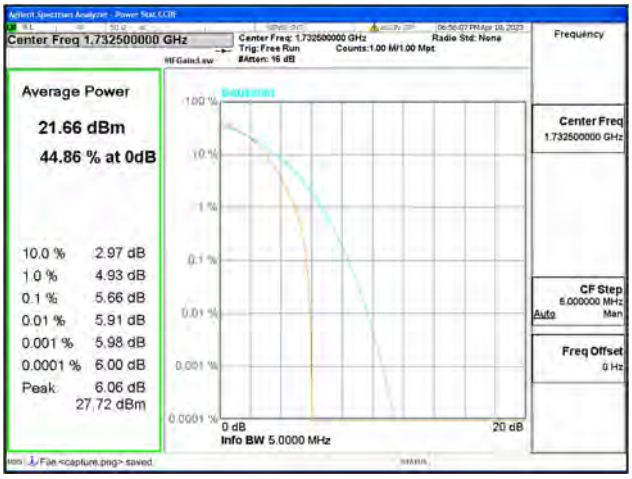
Band4 / 1.4MHz / Low CH / 16QAM



Band4 / 1.4MHz / Low CH / 64QAM

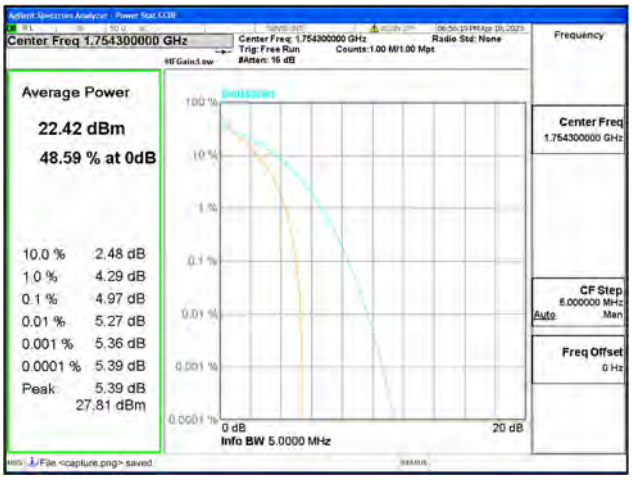


Band4 / 1.4MHz / Mid CH / QPSK

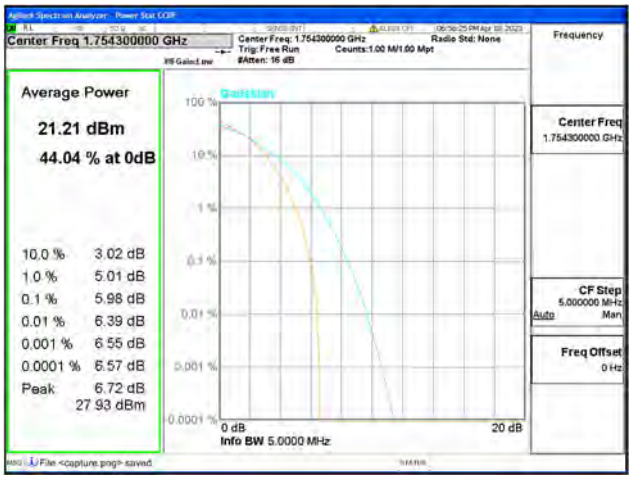


Band4 / 1.4MHz / Mid CH / 16QAM

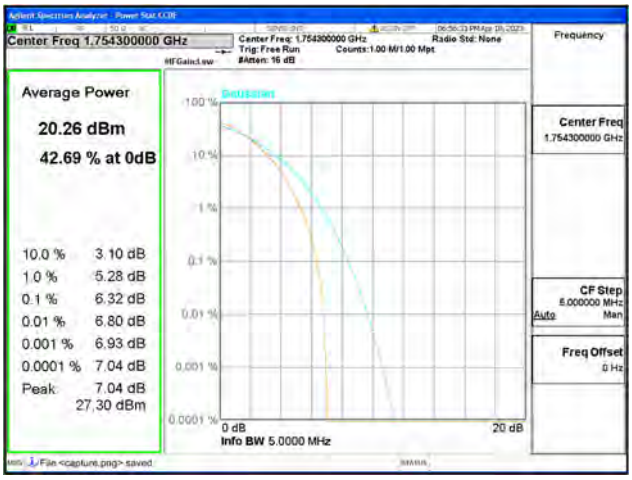
Band4 / 1.4MHz / Mid CH / 64QAM



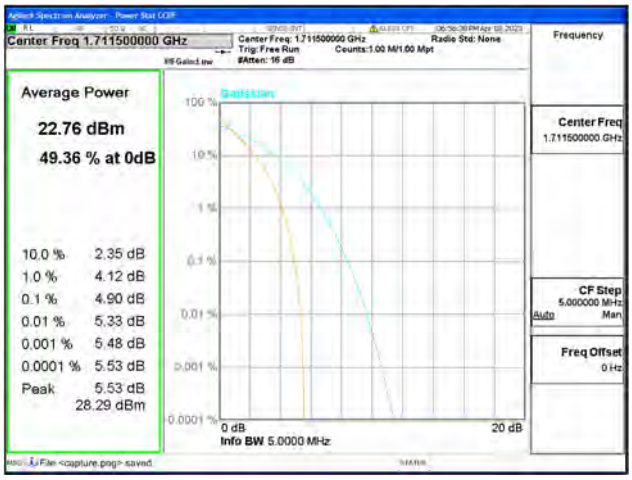
Band4 / 1.4MHz / High CH / QPSK



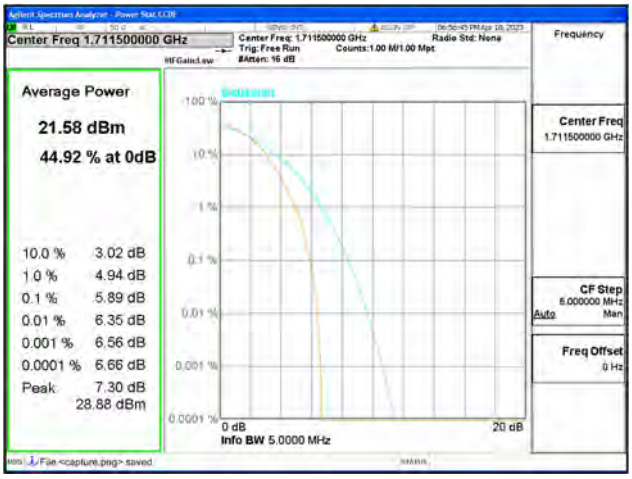
Band4 / 1.4MHz / High CH / 16QAM



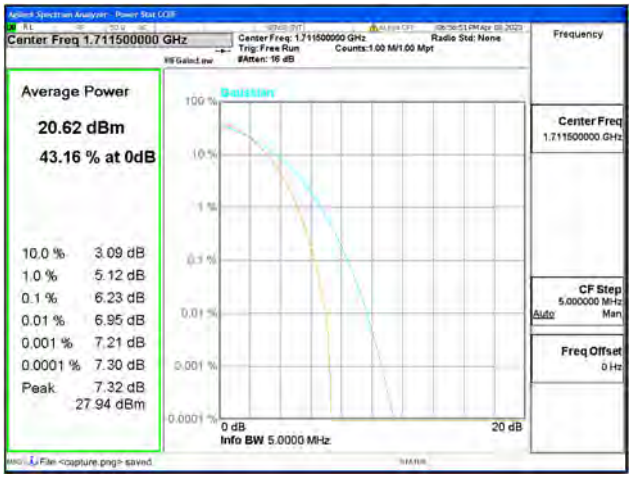
Band4 / 1.4MHz / High CH / 64QAM



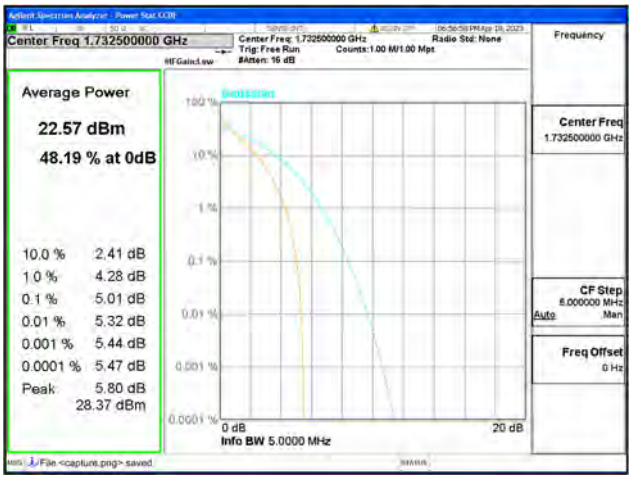
Band4 / 3MHz / Low CH / QPSK



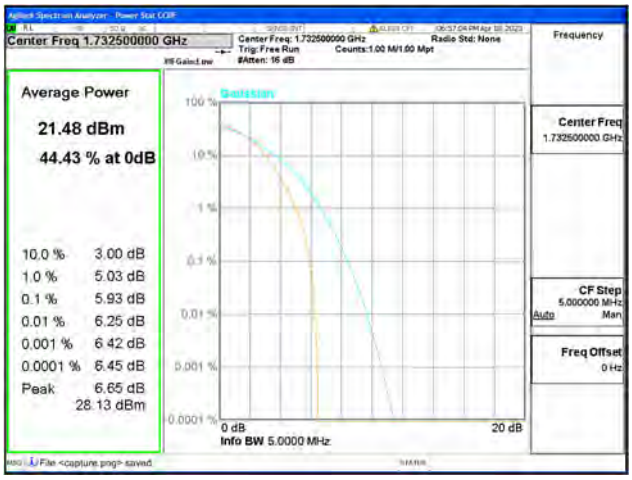
Band4 / 3MHz / Low CH / 16QAM



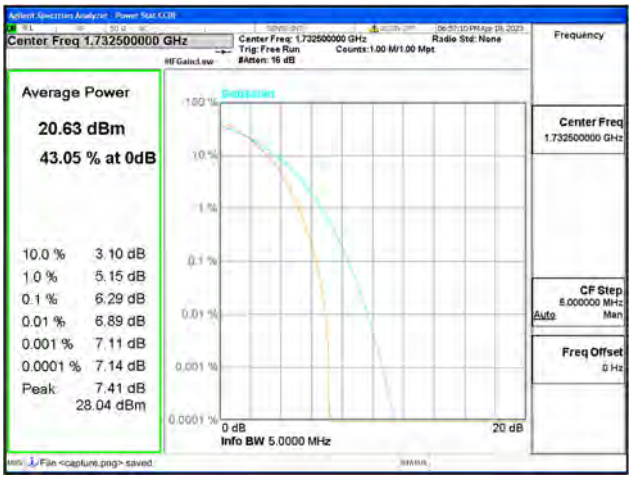
Band4 / 3MHz / Low CH / 64QAM



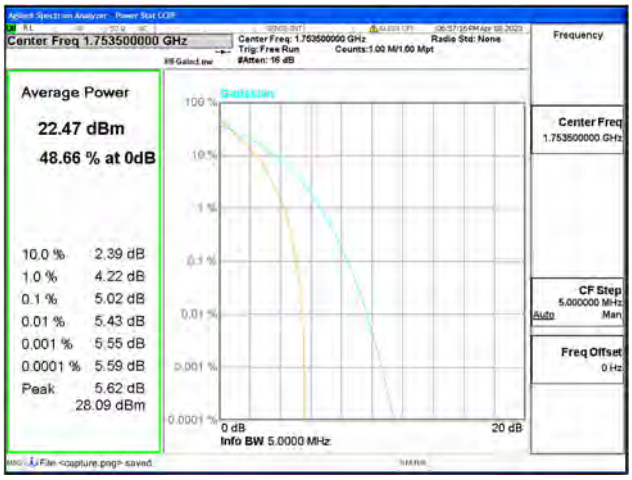
Band4 / 3MHz / Mid CH / QPSK



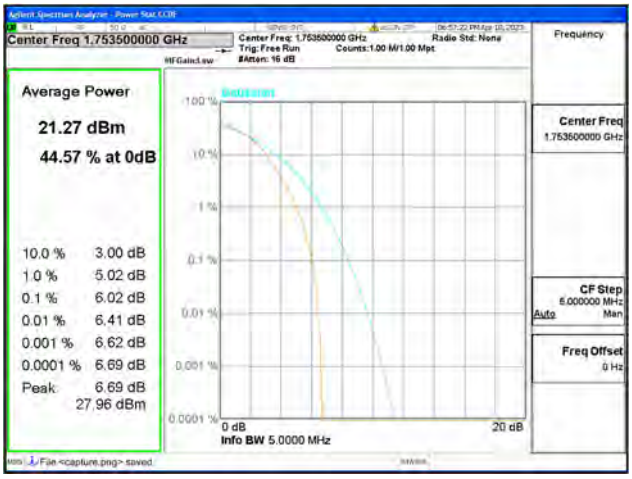
Band4 / 3MHz / Mid CH / 16QAM



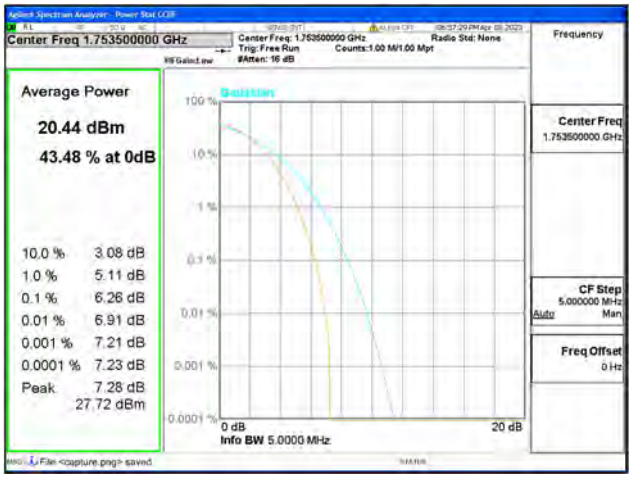
Band4 / 3MHz / Mid CH / 64QAM



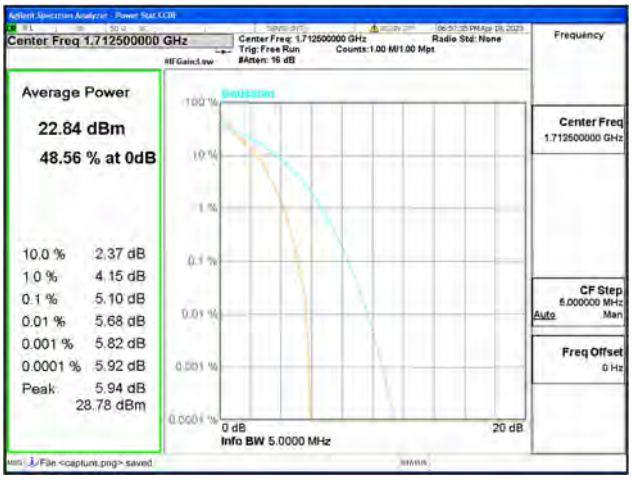
Band4 / 3MHz / High CH / QPSK



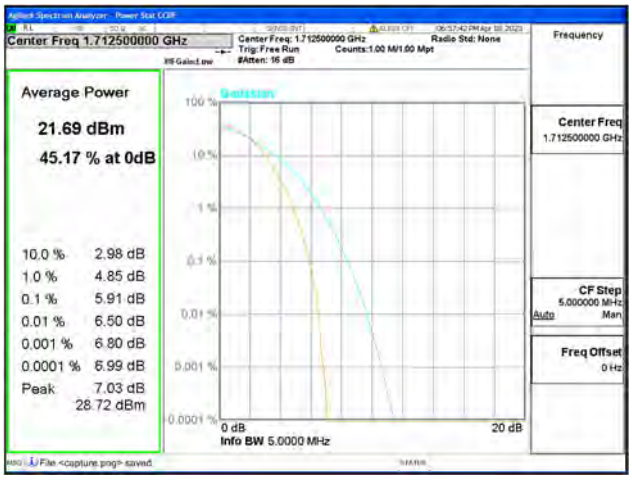
Band4 / 3MHz / High CH / 16QAM



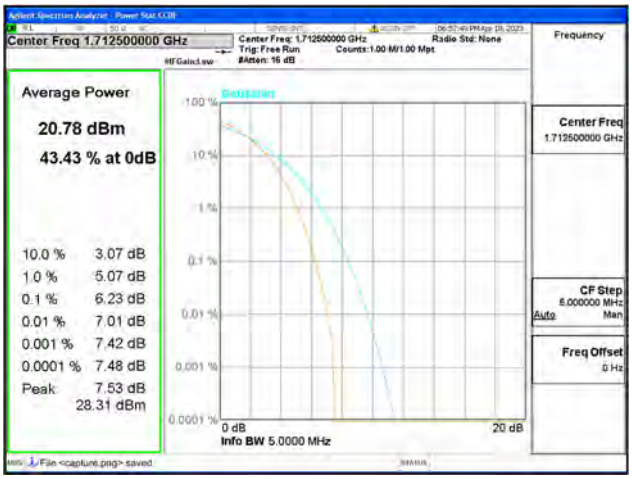
Band4 / 3MHz / High CH / 64QAM



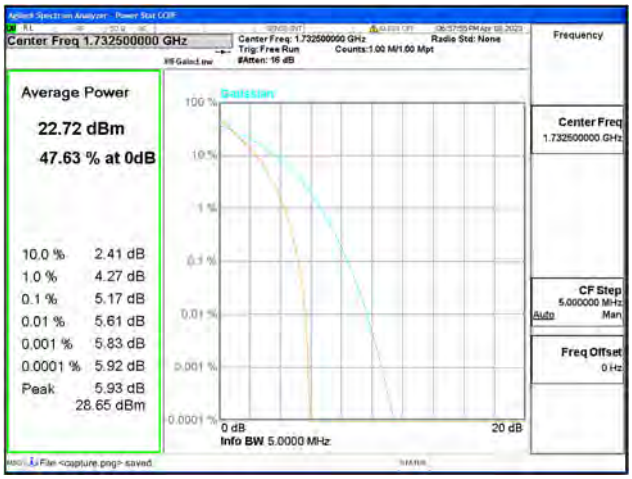
Band4 / 5MHz / Low CH / QPSK



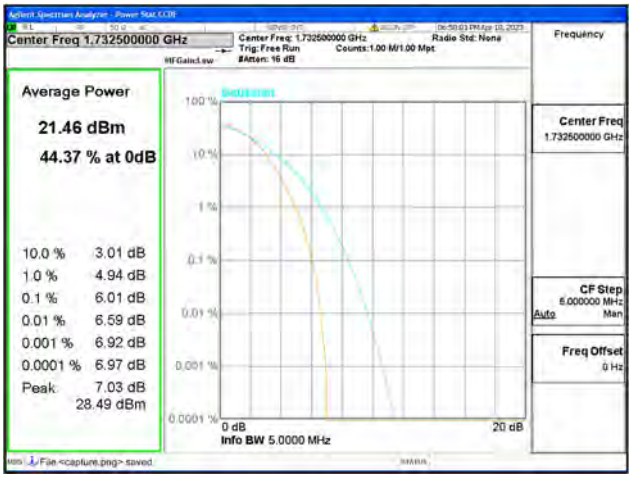
Band4 / 5MHz / Low CH / 16QAM



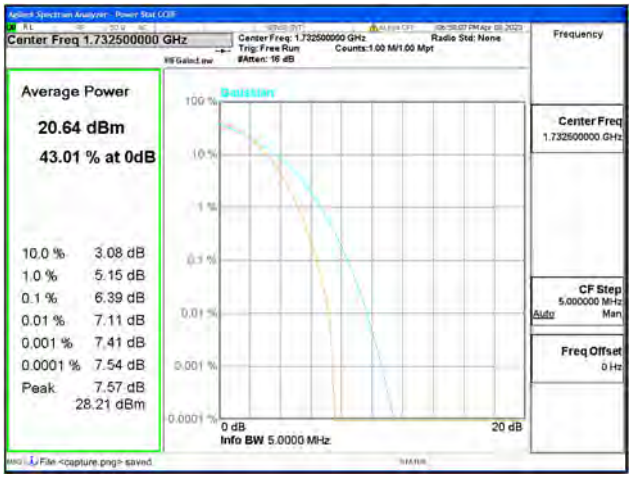
Band4 / 5MHz / Low CH / 64QAM



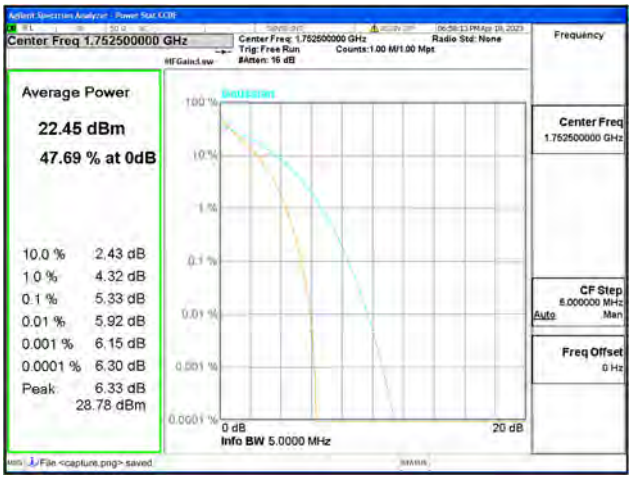
Band4 / 5MHz / Mid CH / QPSK



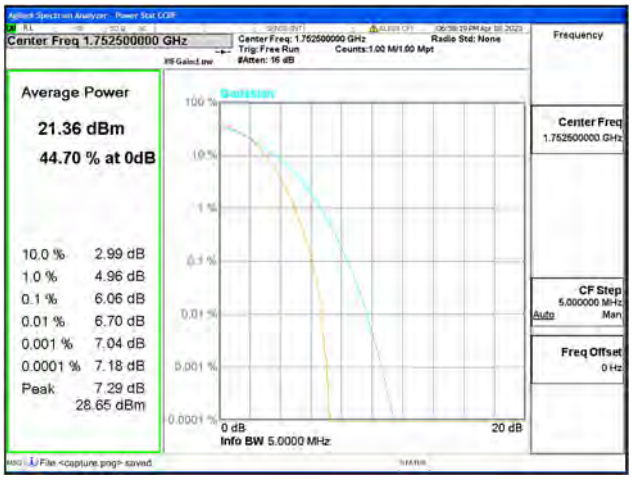
Band4 / 5MHz / Mid CH / 16QAM



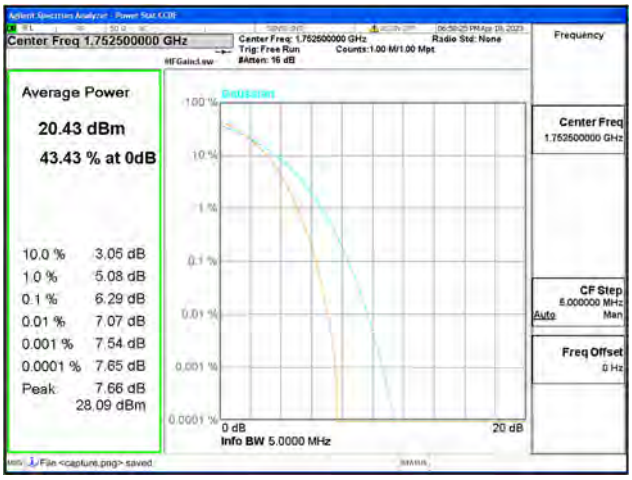
Band4 / 5MHz / Mid CH / 64QAM



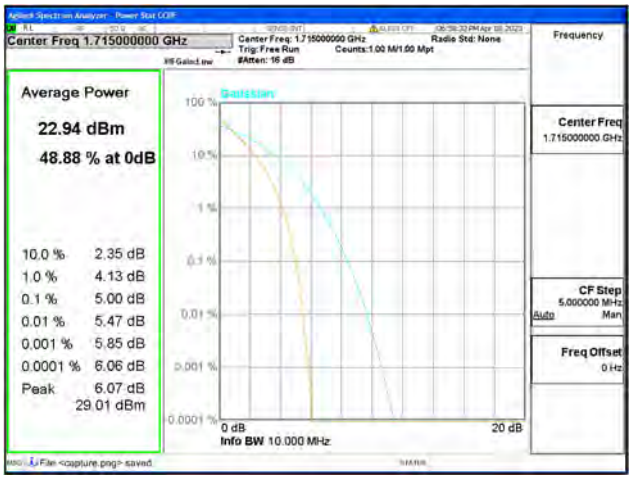
Band4 / 5MHz / High CH / QPSK



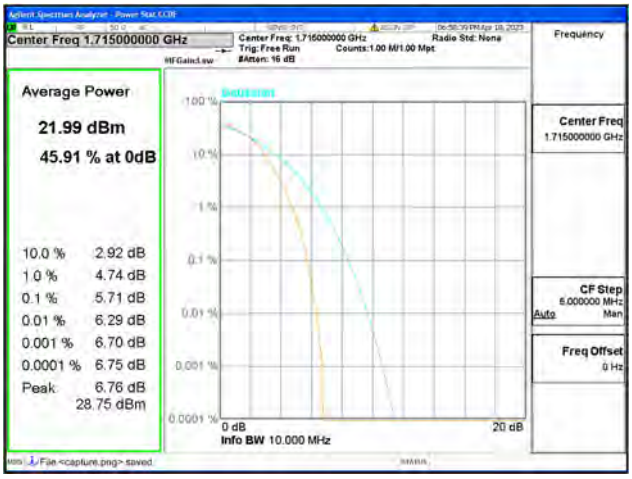
Band4 / 5MHz / High CH / 16QAM



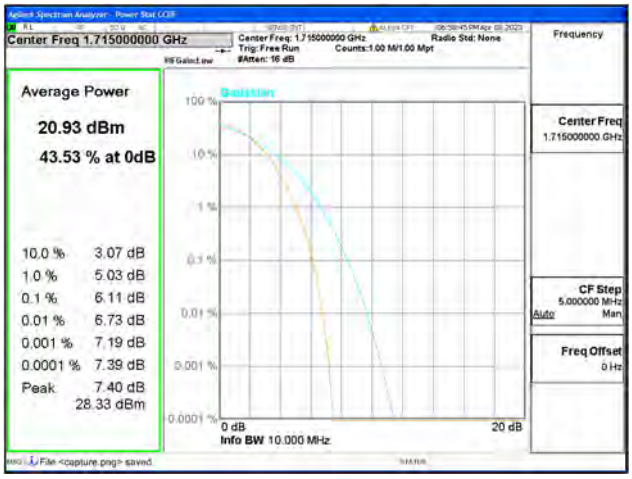
Band4 / 5MHz / High CH / 64QAM



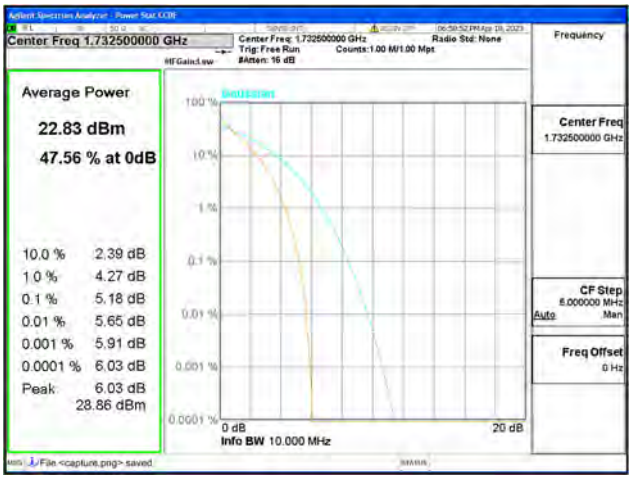
Band4 / 10MHz / Low CH / QPSK



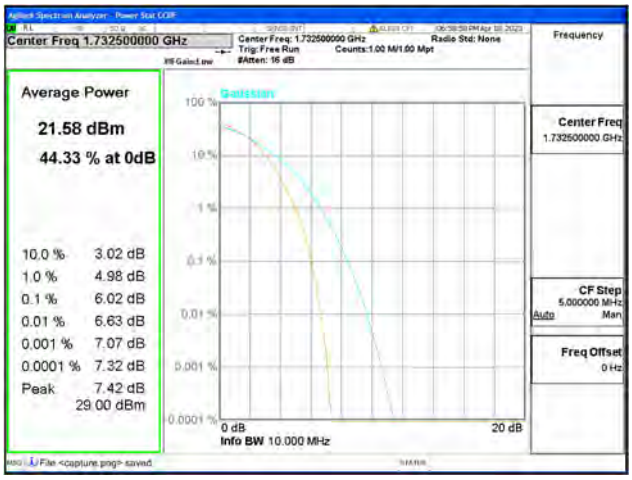
Band4 / 10MHz / Low CH / 16QAM



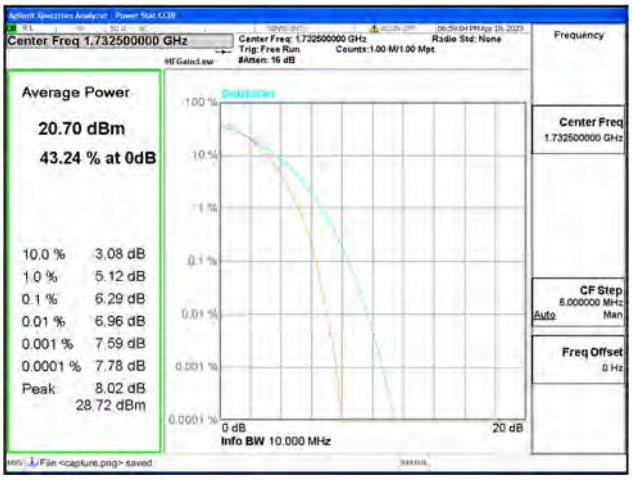
Band4 / 10MHz / Low CH / 64QAM



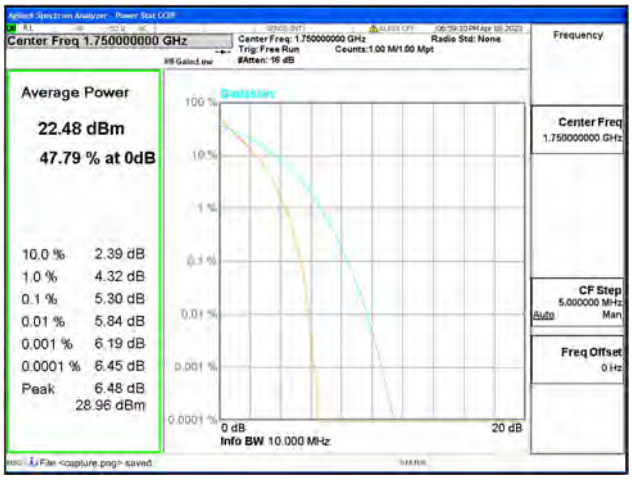
Band4 / 10MHz / Mid CH / QPSK



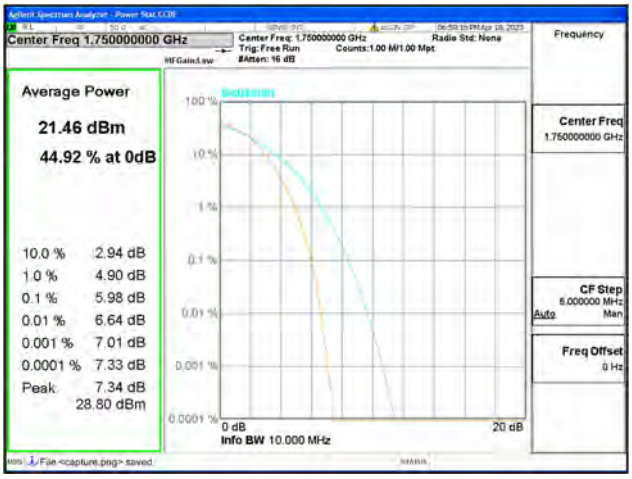
Band4 / 10MHz / Mid CH / 16QAM



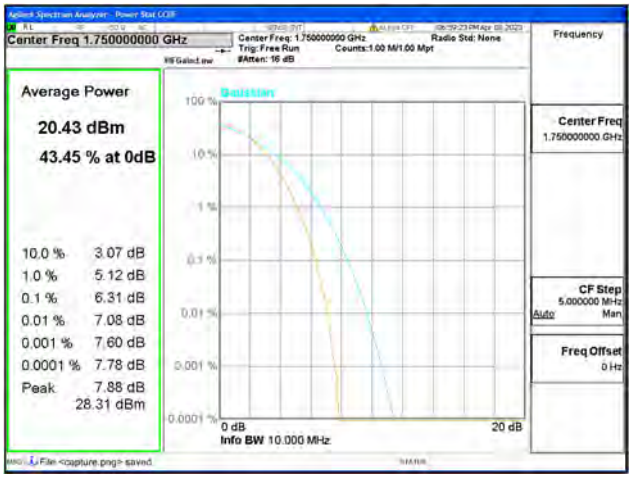
Band4 / 10MHz / Mid CH / 64QAM



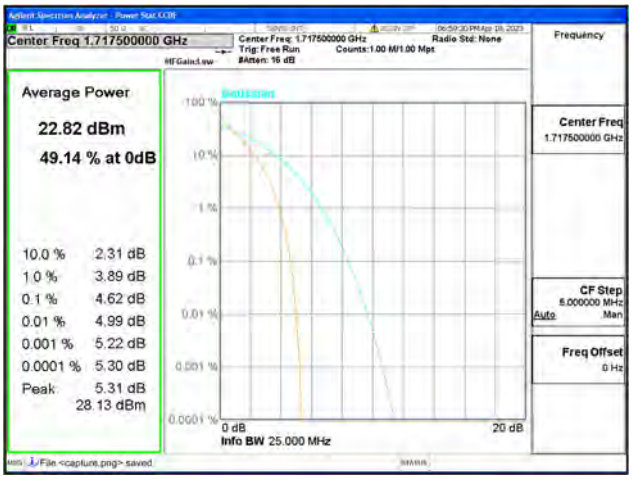
Band4 / 10MHz / High CH / QPSK



Band4 / 10MHz / High CH / 16QAM

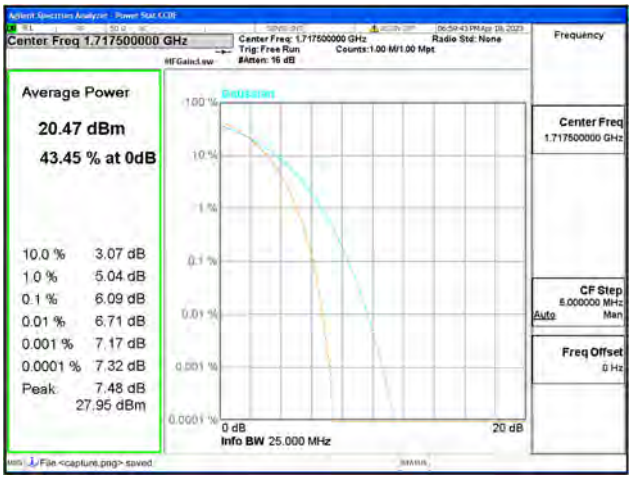


Band4 / 10MHz / High CH / 64QAM

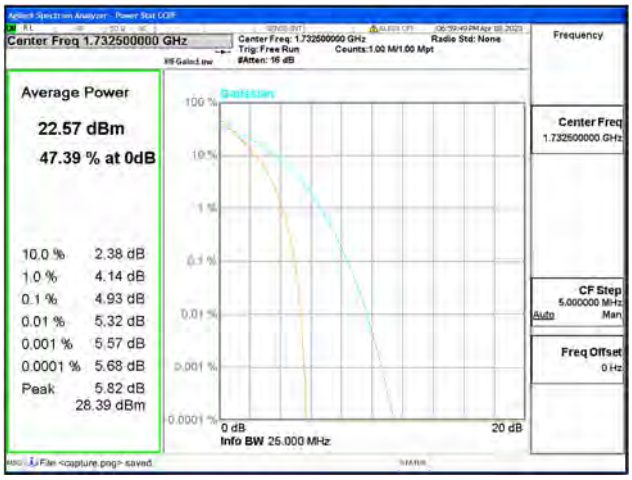


Band4 / 15MHz / Low CH / QPSK

Band4 / 15MHz / Low CH / 16QAM

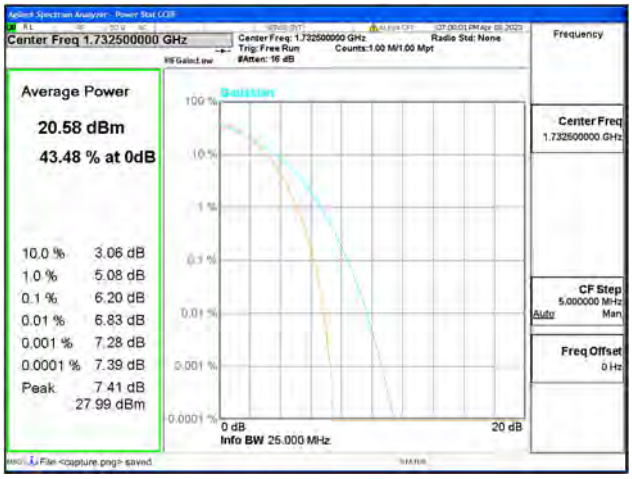


Band4 / 15MHz / Low CH / 64QAM

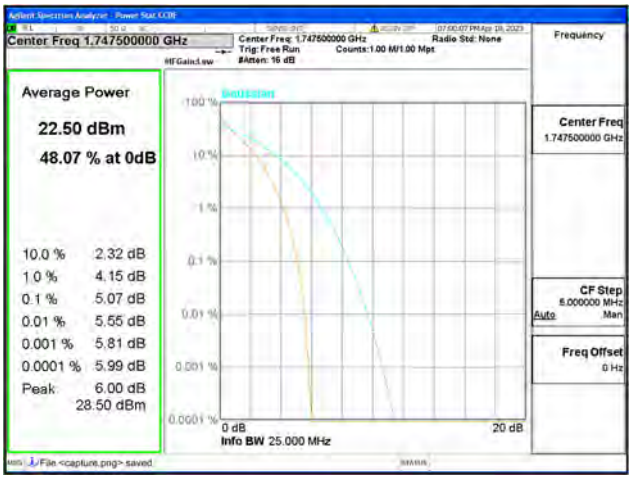


Band4 / 15MHz / Mid CH / QPSK

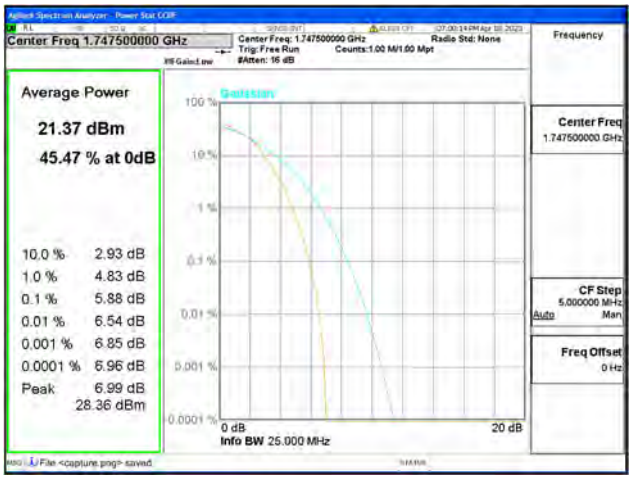
Band4 / 15MHz / Mid CH / 16QAM



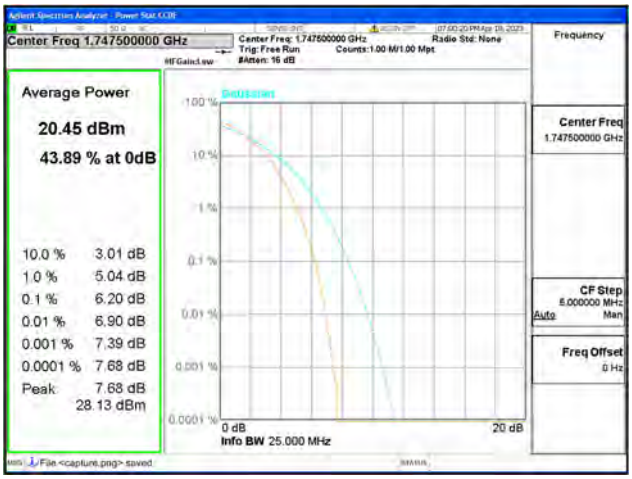
Band4 / 15MHz / Mid CH / 64QAM



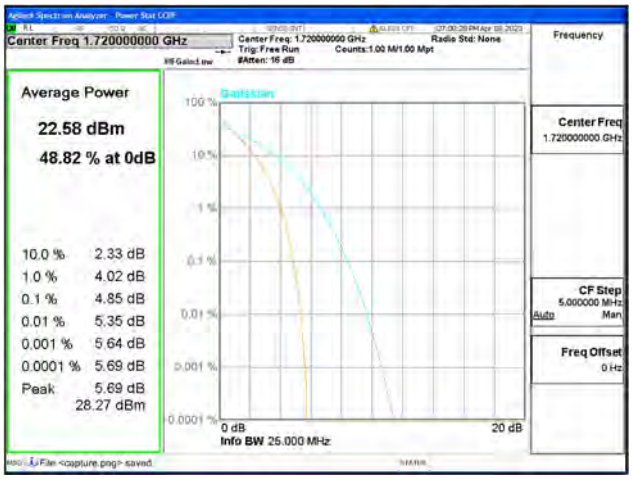
Band4 / 15MHz / High CH / QPSK



Band4 / 15MHz / High CH / 16QAM

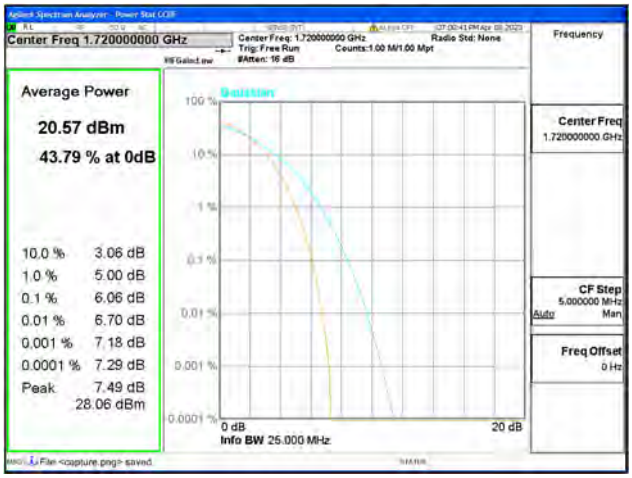


Band4 / 15MHz / High CH / 64QAM

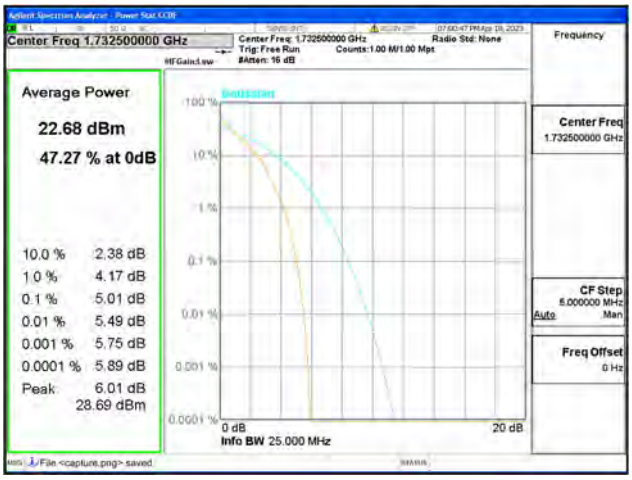


Band4 / 20MHz / Low CH / QPSK

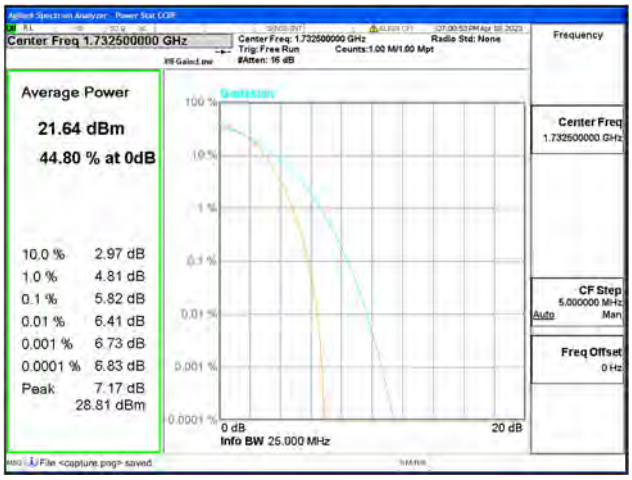
Band4 / 20MHz / Low CH / 16QAM



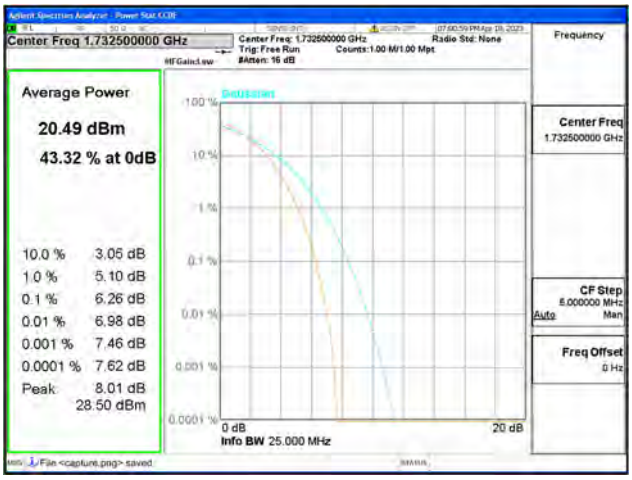
Band4 / 20MHz / Low CH / 64QAM



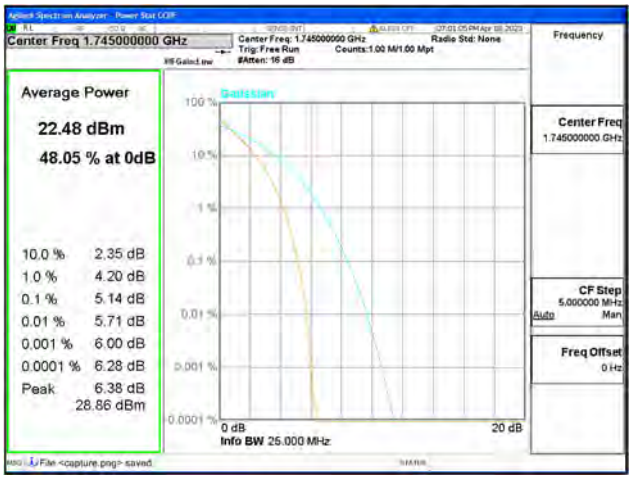
Band4 / 20MHz / Mid CH / QPSK



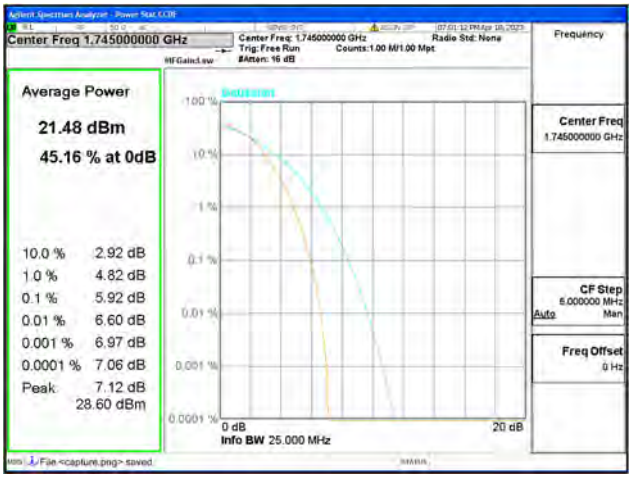
Band4 / 20MHz / Mid CH / 16QAM



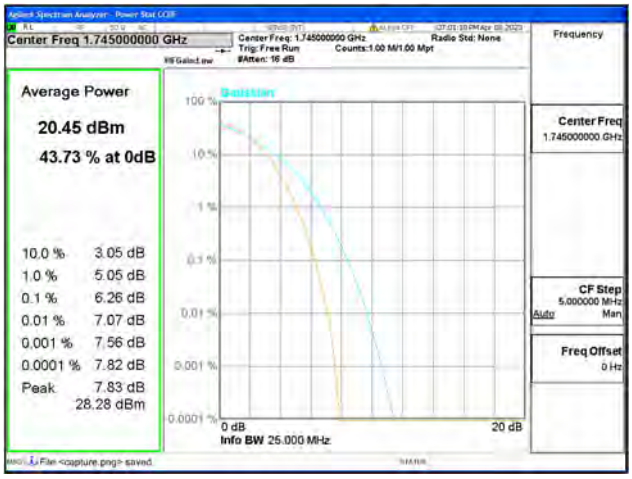
Band4 / 20MHz / Mid CH / 64QAM



Band4 / 20MHz / High CH / QPSK

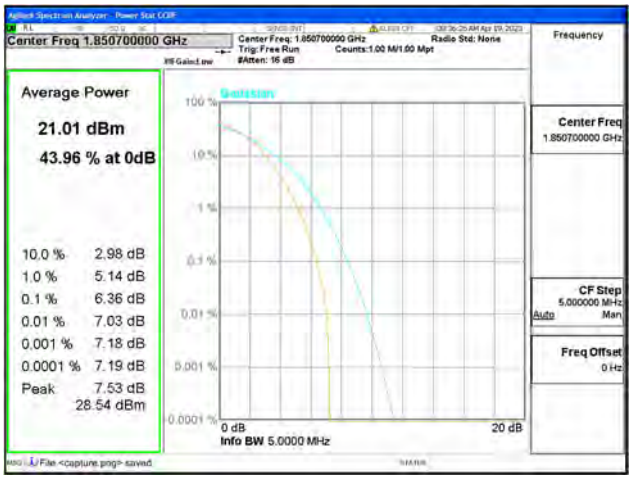


Band4 / 20MHz / High CH / 16QAM

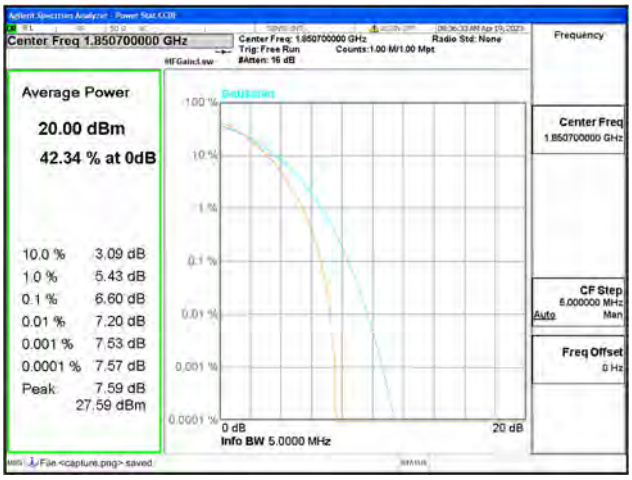


Band4 / 20MHz / High CH / 64QAM

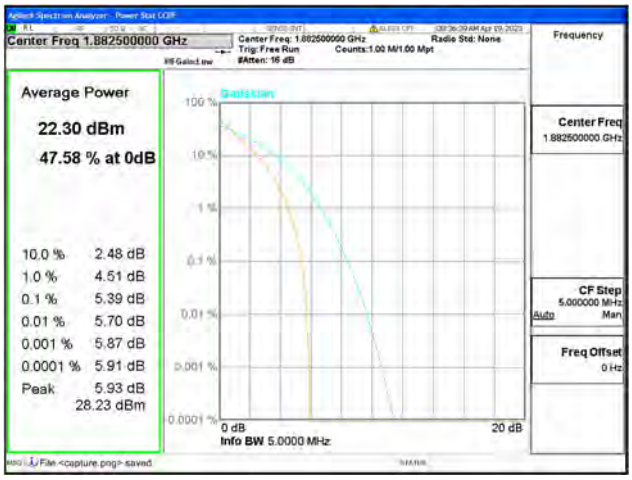
Band25 / 1.4MHz / Low CH / QPSK



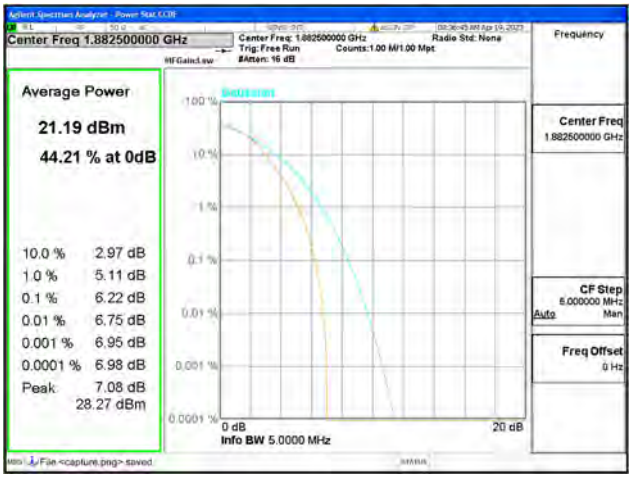
Band25 / 1.4MHz / Low CH / 16QAM



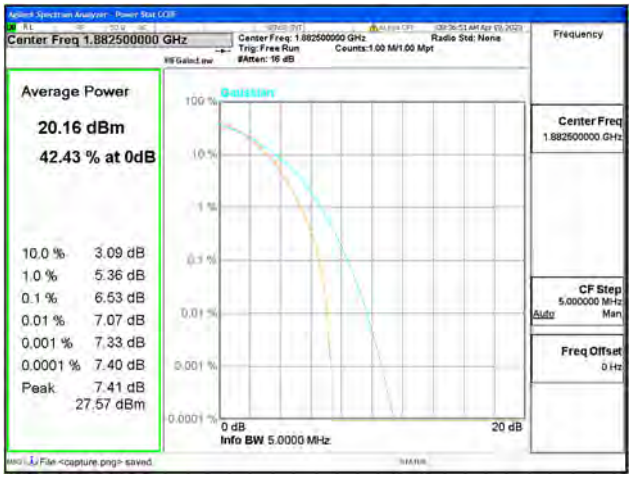
Band25 / 1.4MHz / Low CH / 64QAM



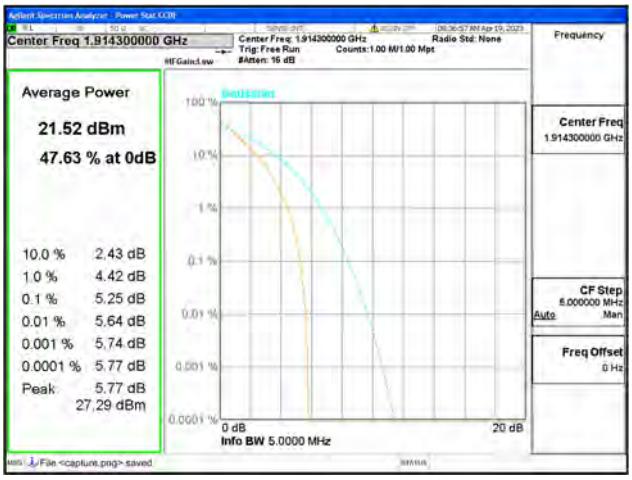
Band25 / 1.4MHz / Mid CH / QPSK



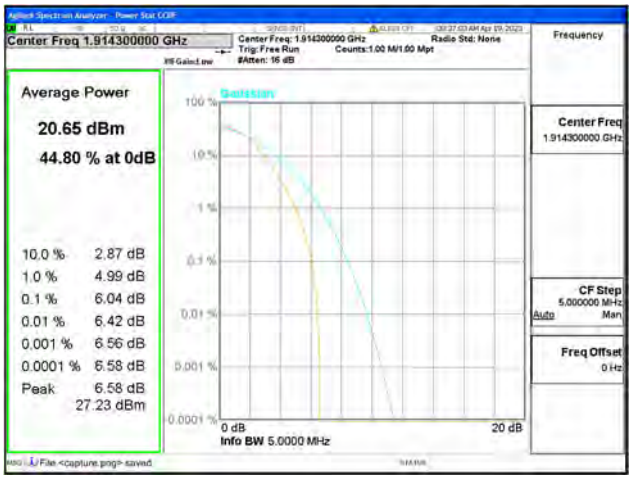
Band25 / 1.4MHz / Mid CH / 16QAM



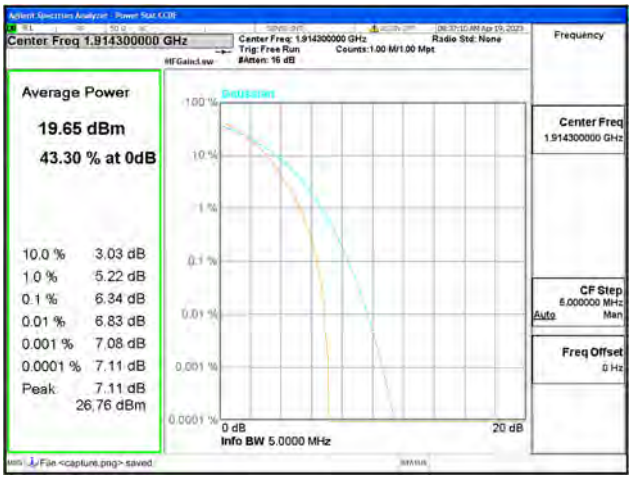
Band25 / 1.4MHz / Mid CH / 64QAM



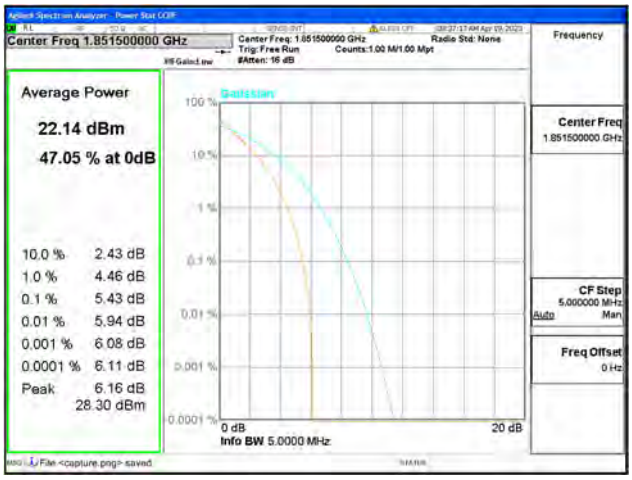
Band25 / 1.4MHz / High CH / QPSK



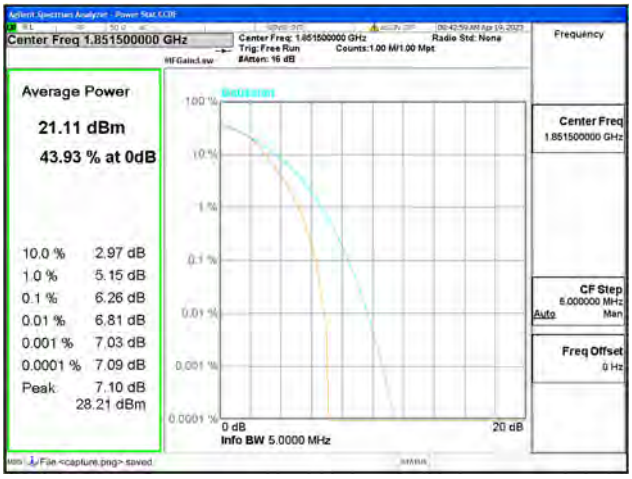
Band25 / 1.4MHz / High CH / 16QAM



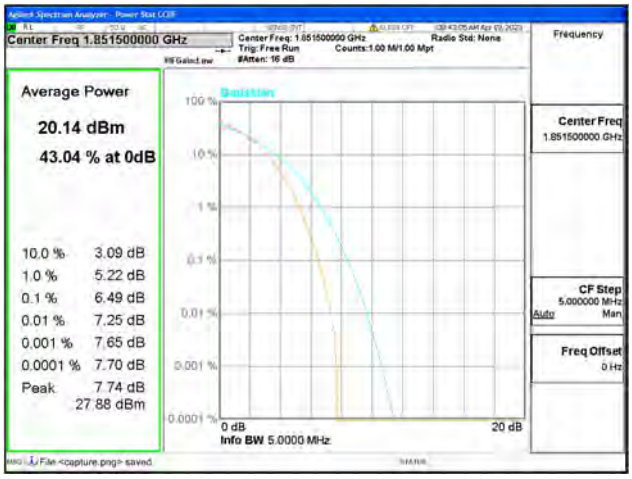
Band25 / 1.4MHz / High CH / 64QAM



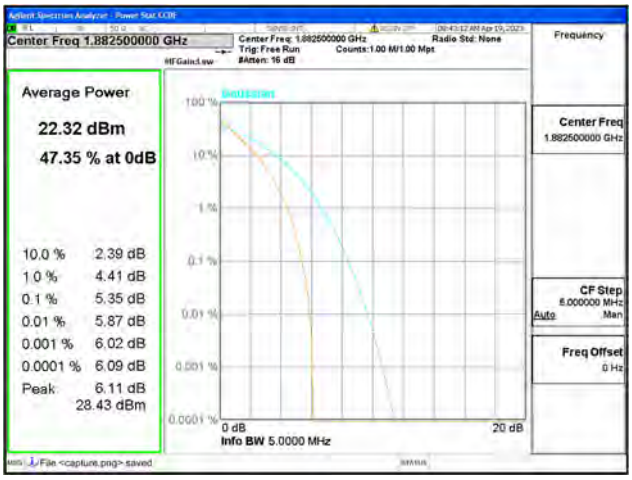
Band25 / 3MHz / Low CH / QPSK



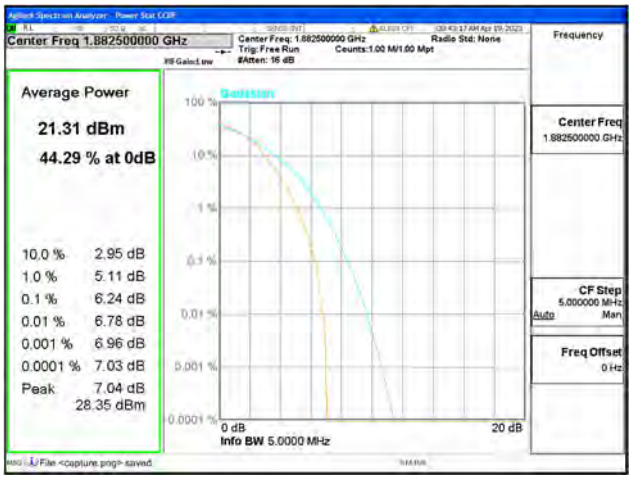
Band25 / 3MHz / Low CH / 16QAM



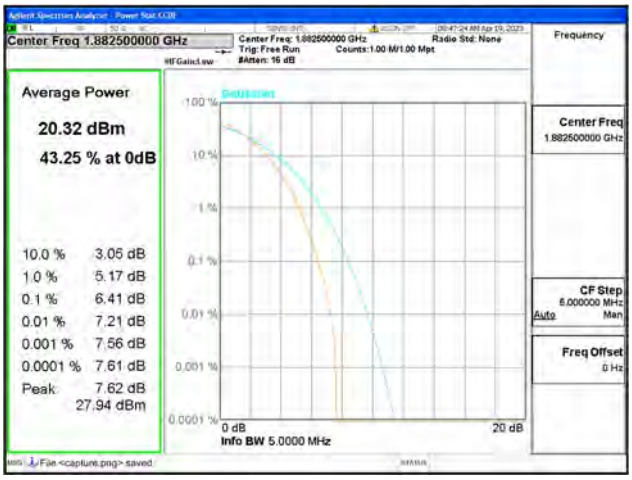
Band25 / 3MHz / Low CH / 64QAM



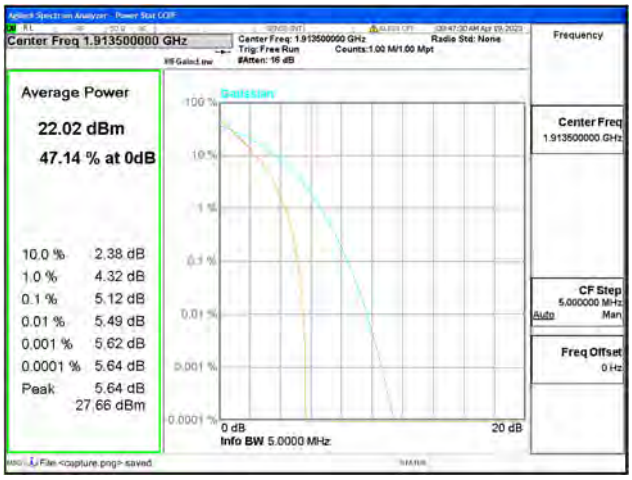
Band25 / 3MHz / Mid CH / QPSK



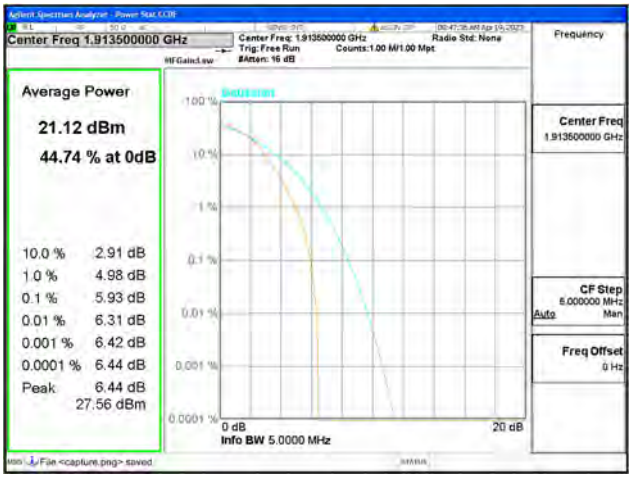
Band25 / 3MHz / Mid CH / 16QAM



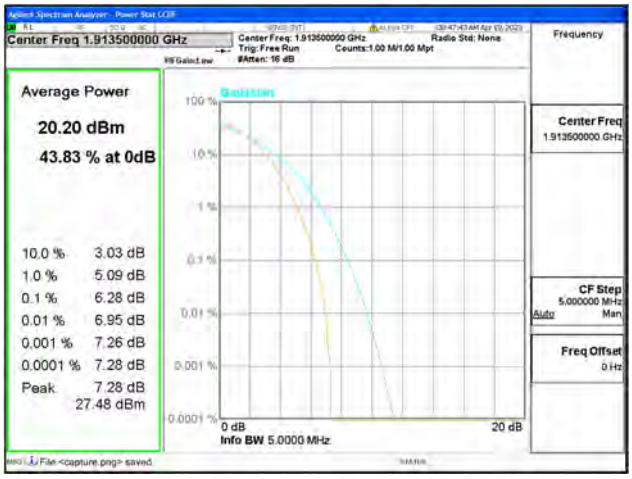
Band25 / 3MHz / Mid CH / 64QAM



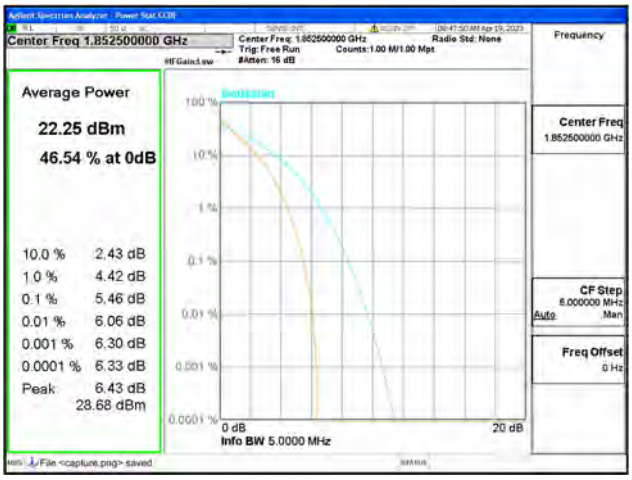
Band25 / 3MHz / High CH / QPSK



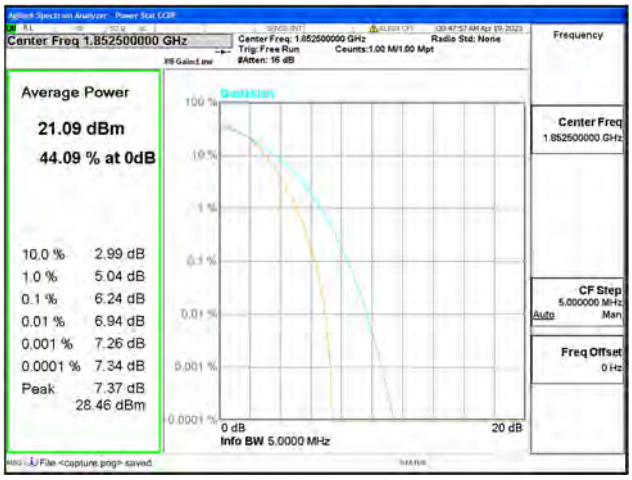
Band25 / 3MHz / High CH / 16QAM



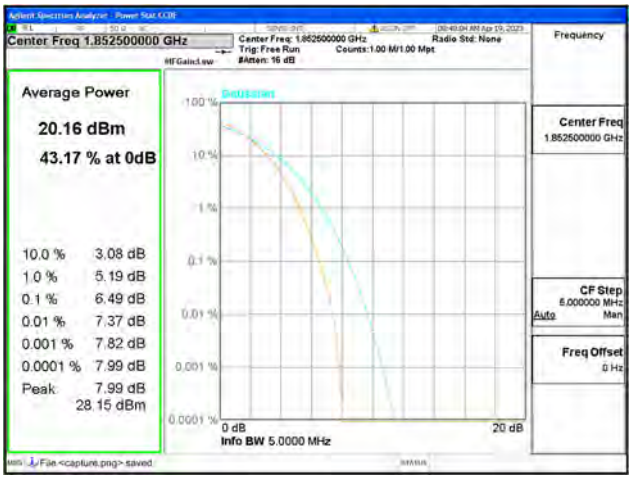
Band25 / 3MHz / High CH / 64QAM



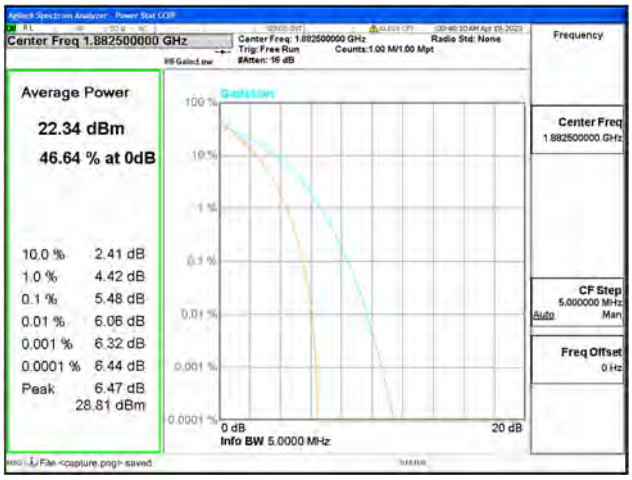
Band25 / 5MHz / Low CH / QPSK



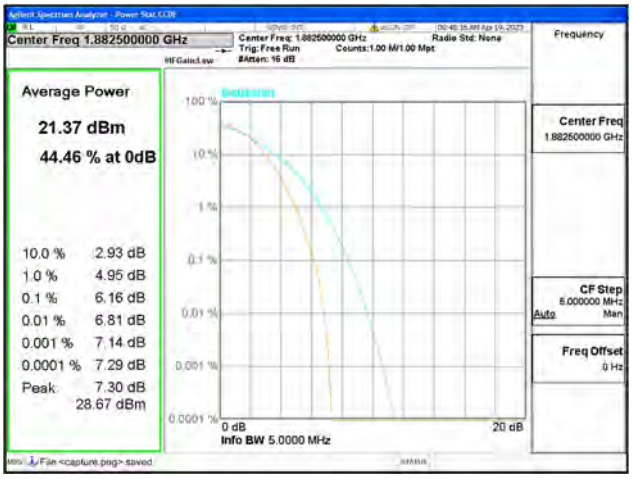
Band25 / 5MHz / Low CH / 16QAM



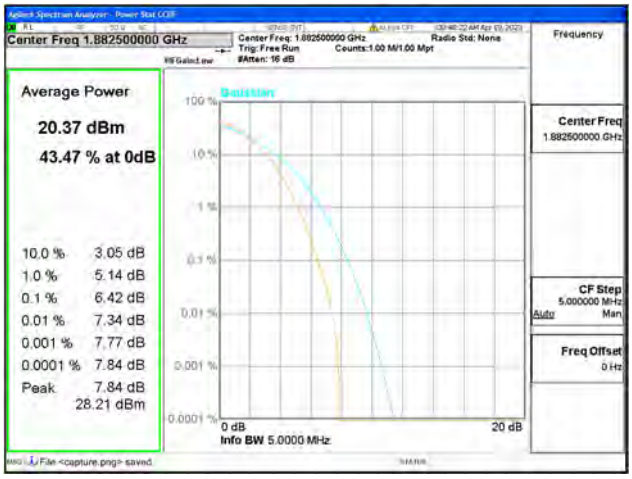
Band25 / 5MHz / Low CH / 64QAM



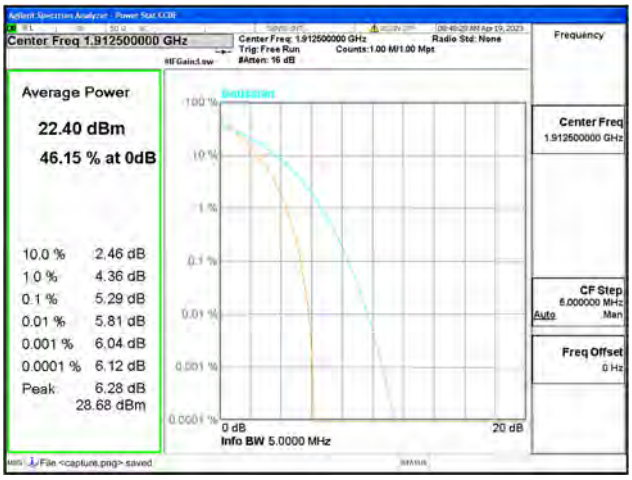
Band25 / 5MHz / Mid CH / QPSK



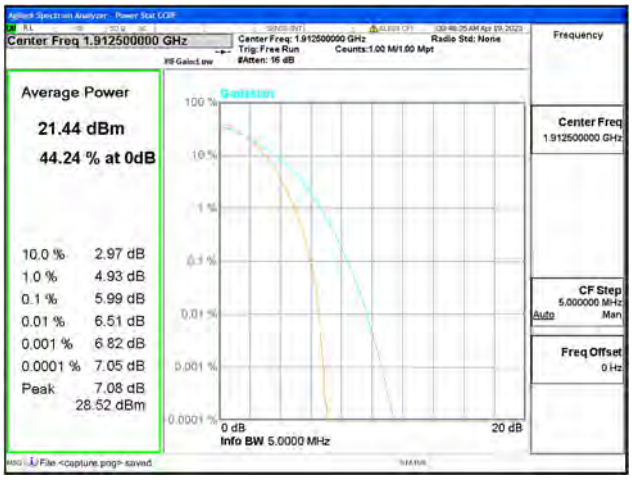
Band25 / 5MHz / Mid CH / 16QAM



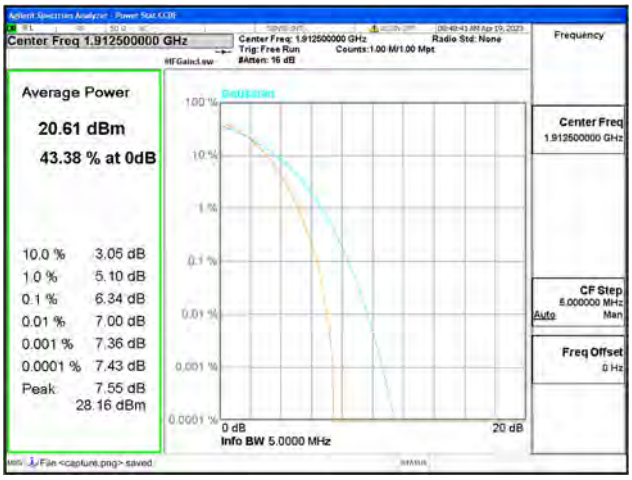
Band25 / 5MHz / Mid CH / 64QAM



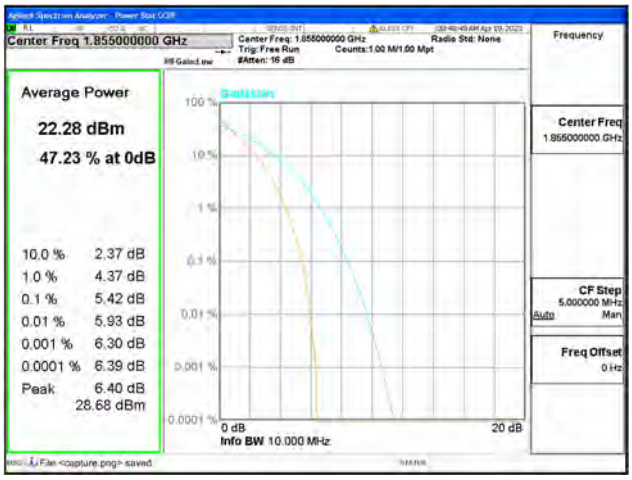
Band25 / 5MHz / High CH / QPSK



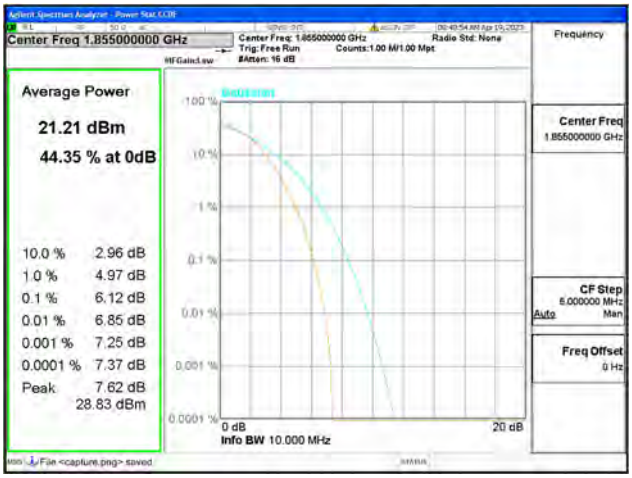
Band25 / 5MHz / High CH / 16QAM



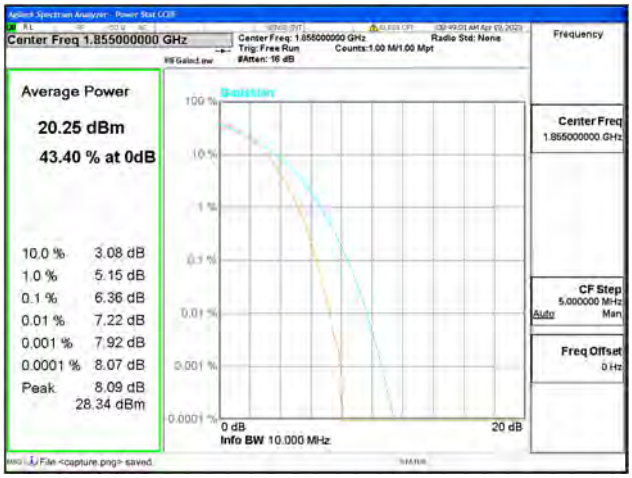
Band25 / 5MHz / High CH / 64QAM



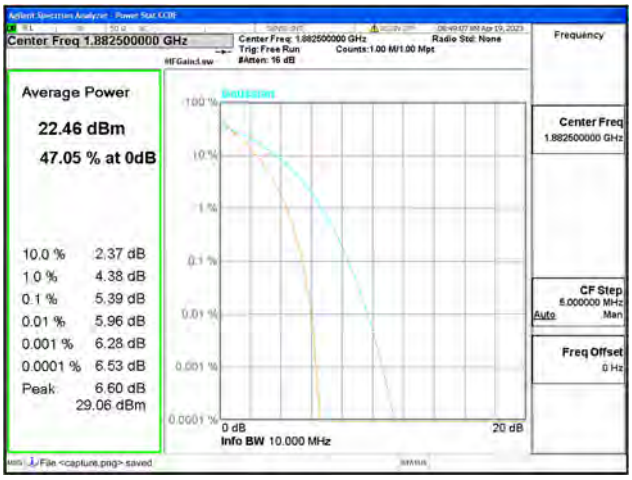
Band25 / 10MHz / Low CH / QPSK



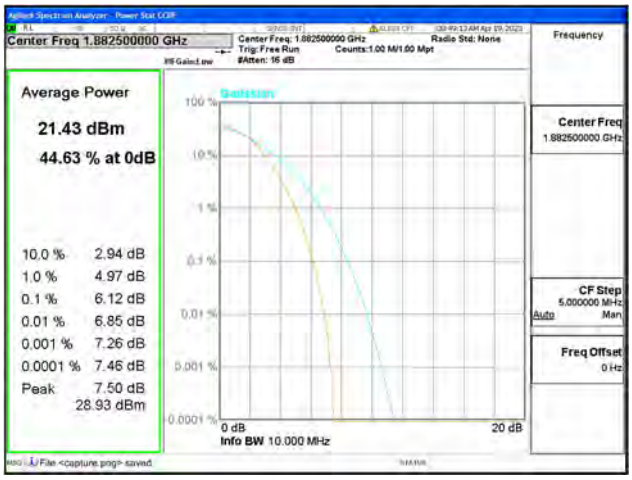
Band25 / 10MHz / Low CH / 16QAM



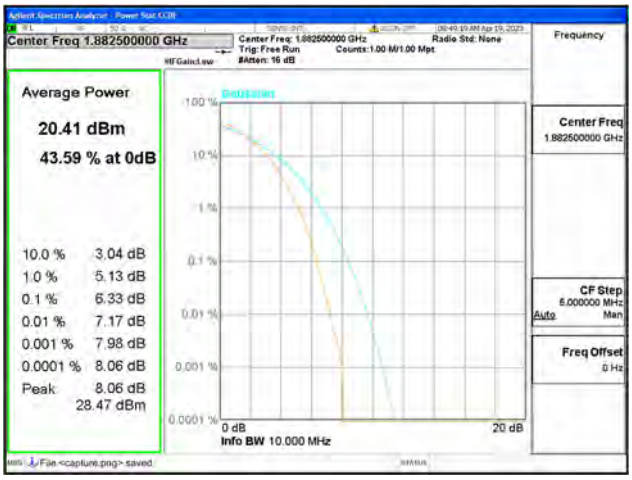
Band25 / 10MHz / Low CH / 64QAM



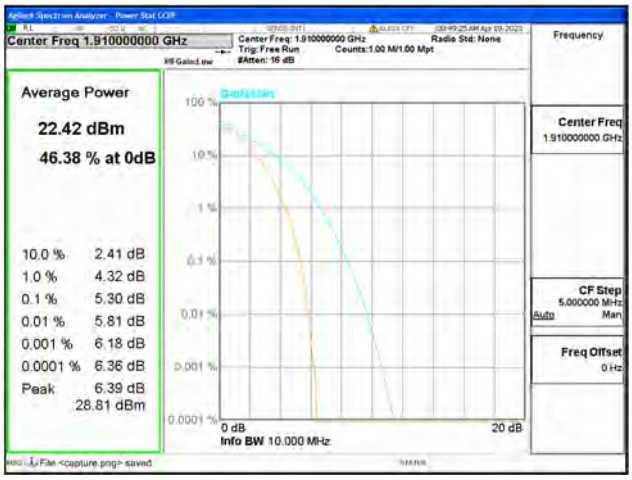
Band25 / 10MHz / Mid CH / QPSK



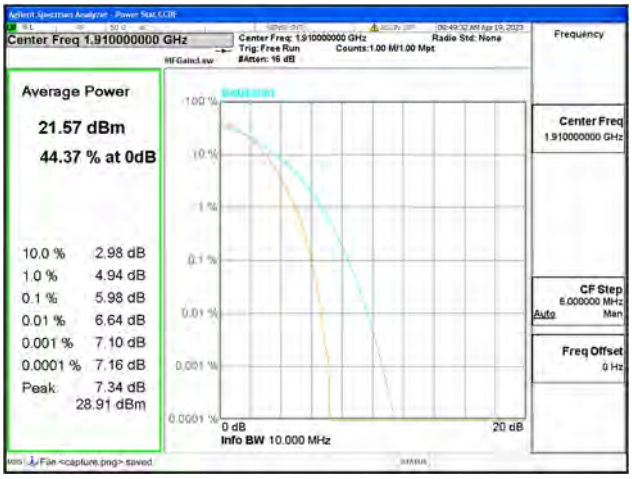
Band25 / 10MHz / Mid CH / 16QAM



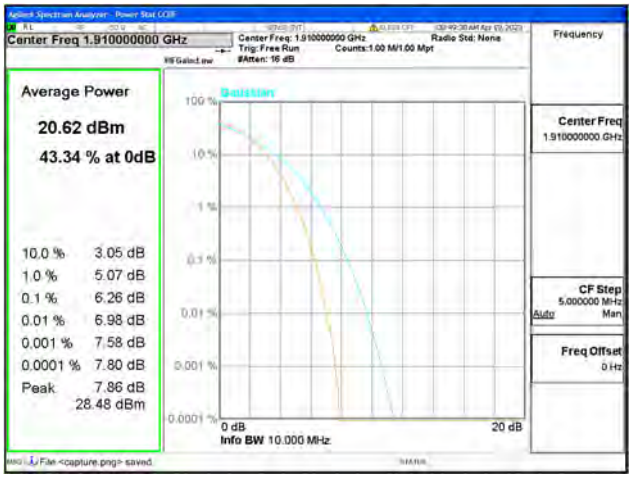
Band25 / 10MHz / Mid CH / 64QAM



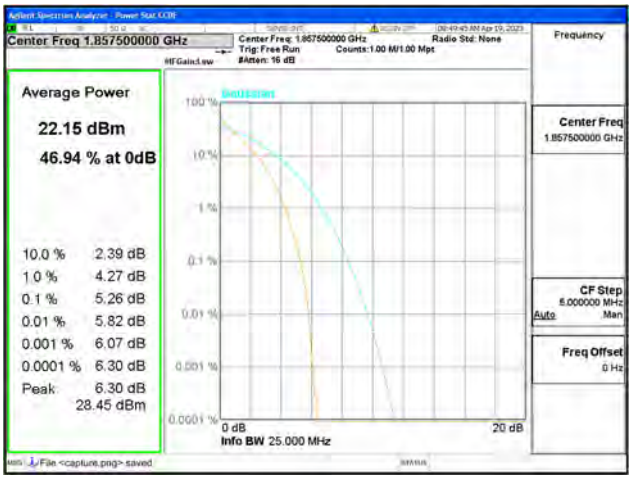
Band25 / 10MHz / High CH / QPSK



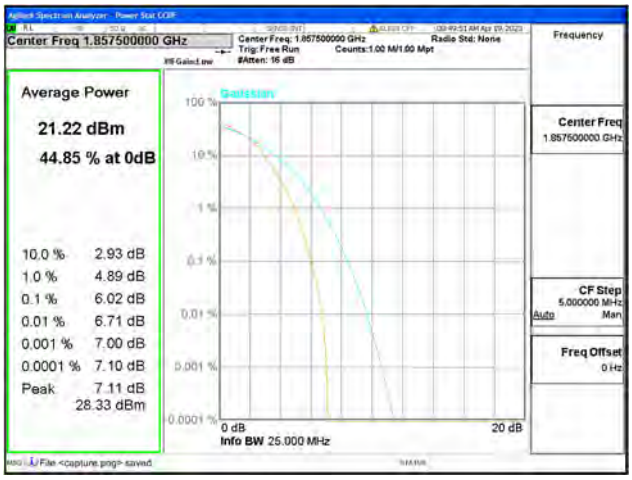
Band25 / 10MHz / High CH / 16QAM



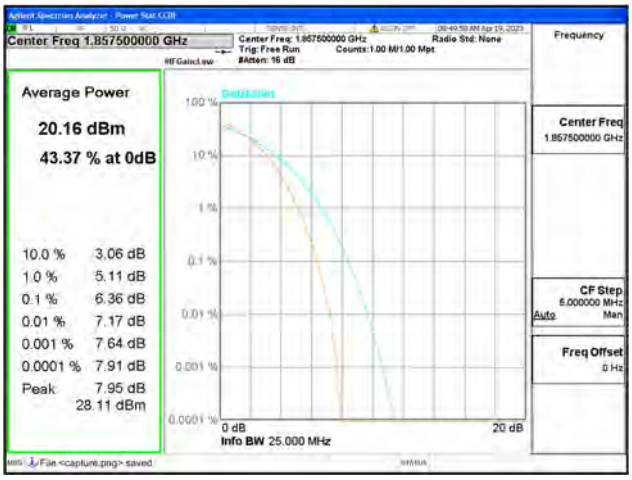
Band25 / 10MHz / High CH / 64QAM



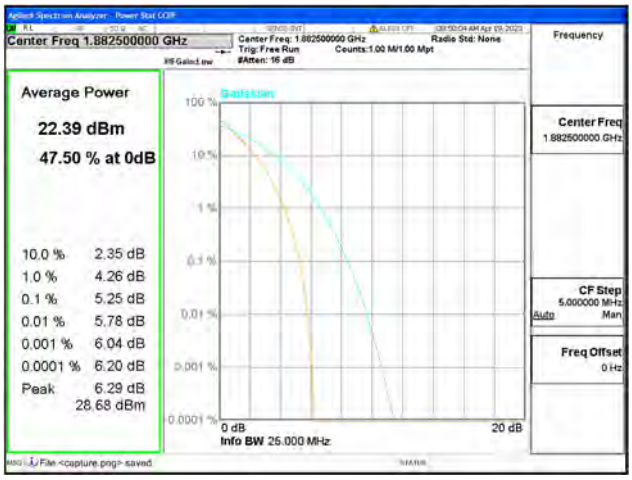
Band25 / 15MHz / Low CH / QPSK



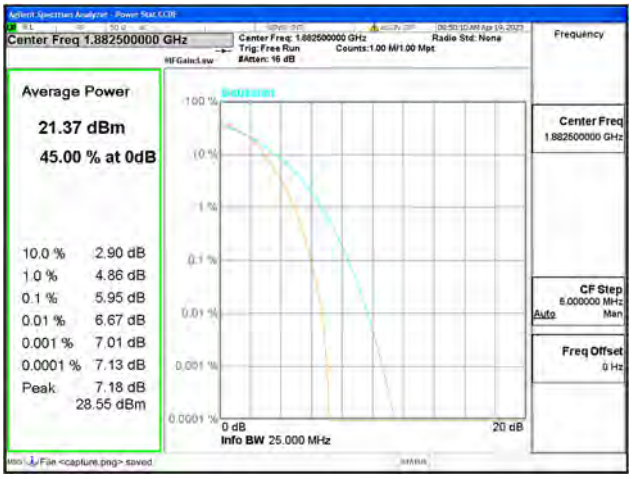
Band25 / 15MHz / Low CH / 16QAM



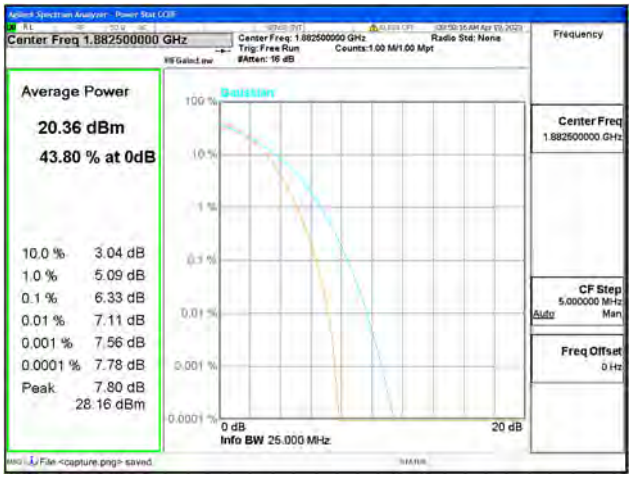
Band25 / 15MHz / Low CH / 64QAM



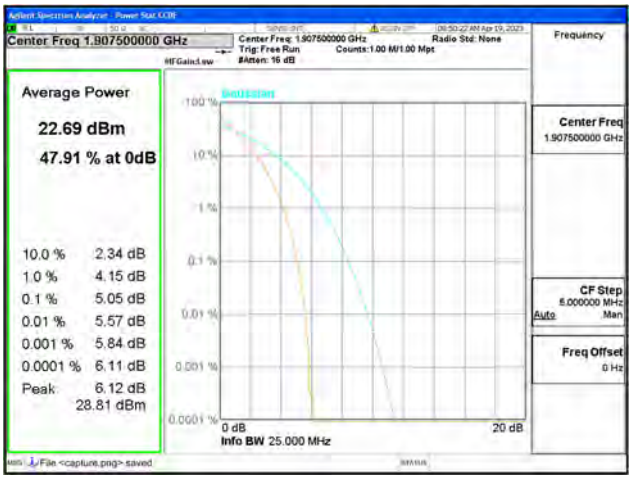
Band25 / 15MHz / Mid CH / QPSK



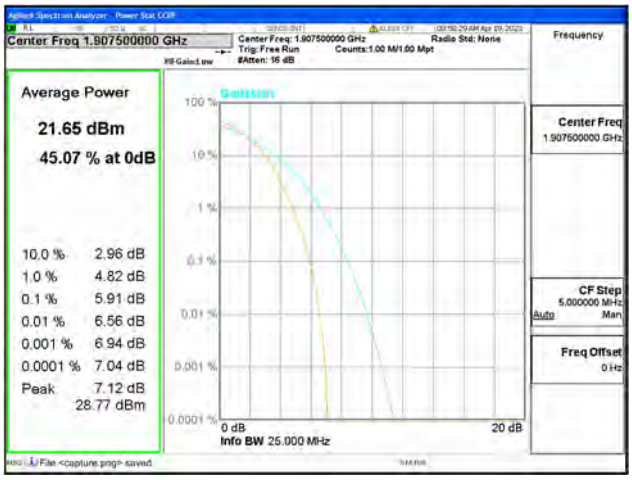
Band25 / 15MHz / Mid CH / 16QAM



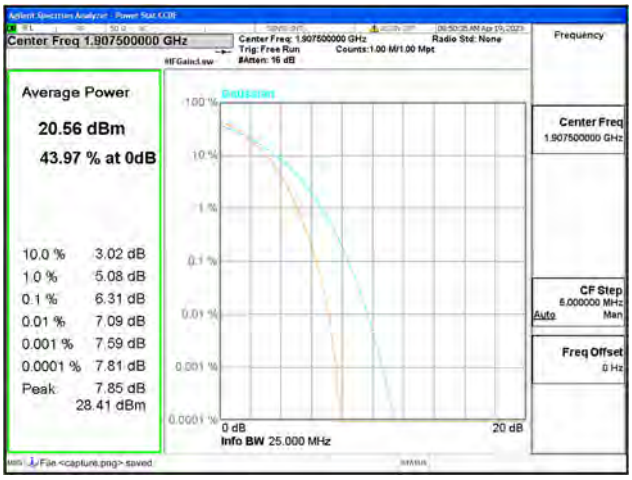
Band25 / 15MHz / Mid CH / 64QAM



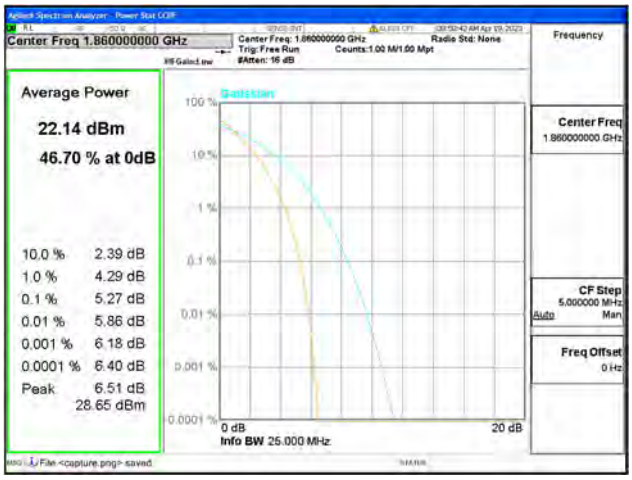
Band25 / 15MHz / High CH / QPSK



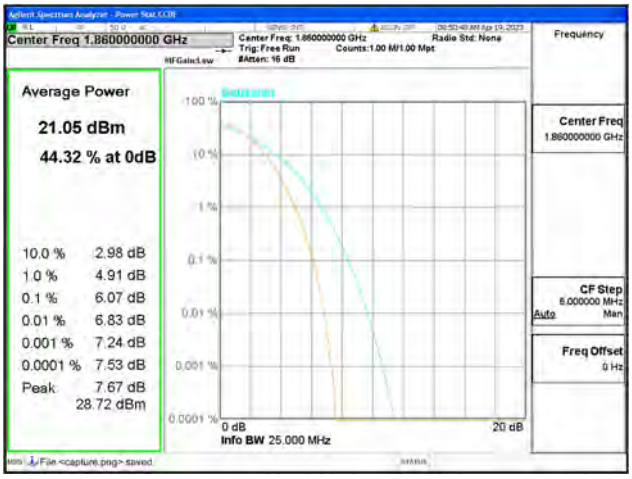
Band25 / 15MHz / High CH / 16QAM



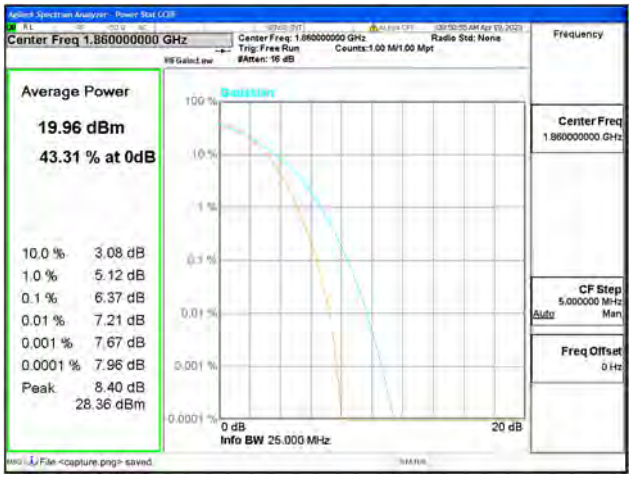
Band25 / 15MHz / High CH / 64QAM



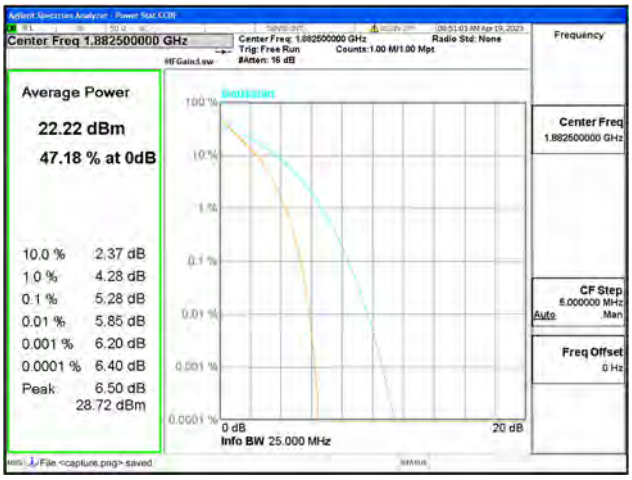
Band25 / 20MHz / Low CH / QPSK



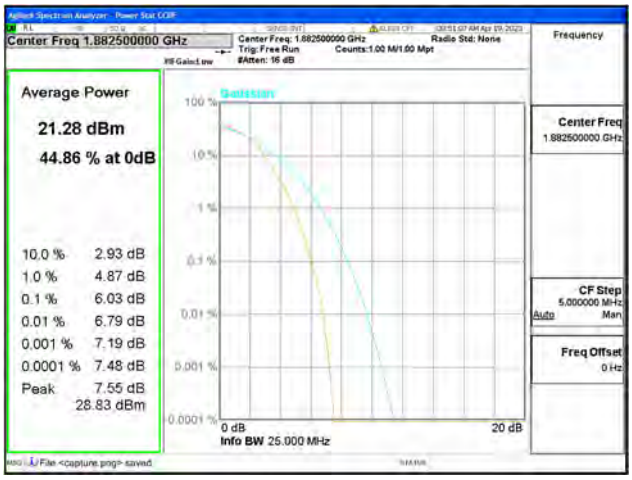
Band25 / 20MHz / Low CH / 16QAM



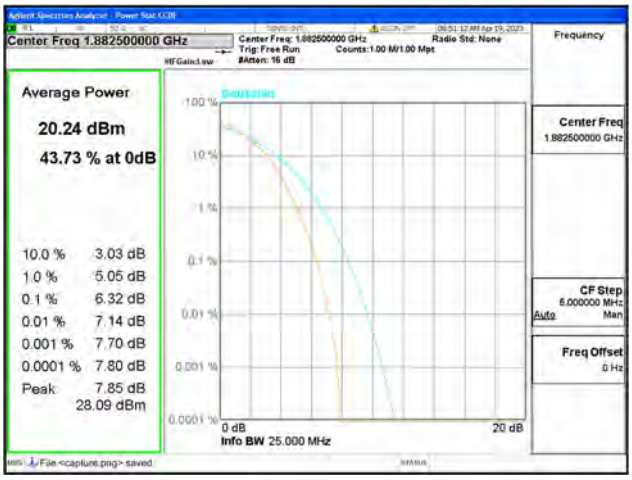
Band25 / 20MHz / Low CH / 64QAM



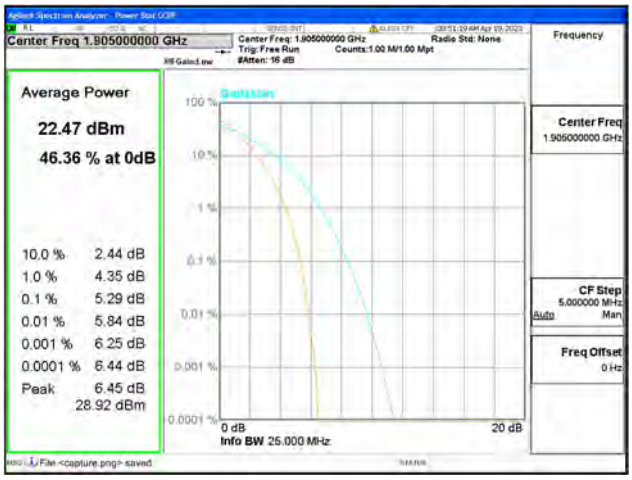
Band25 / 20MHz / Mid CH / QPSK



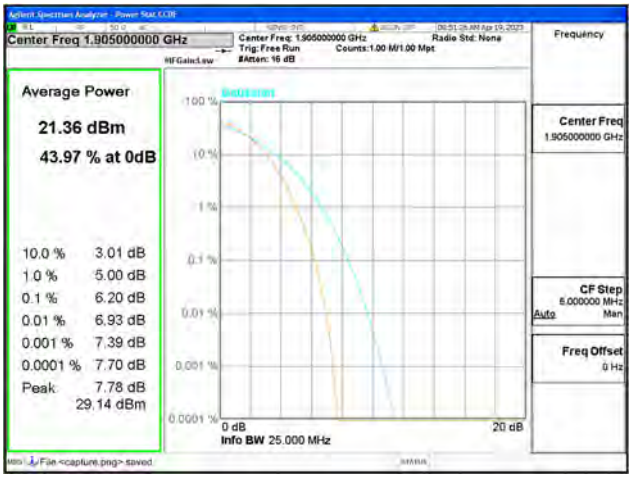
Band25 / 20MHz / Mid CH / 16QAM



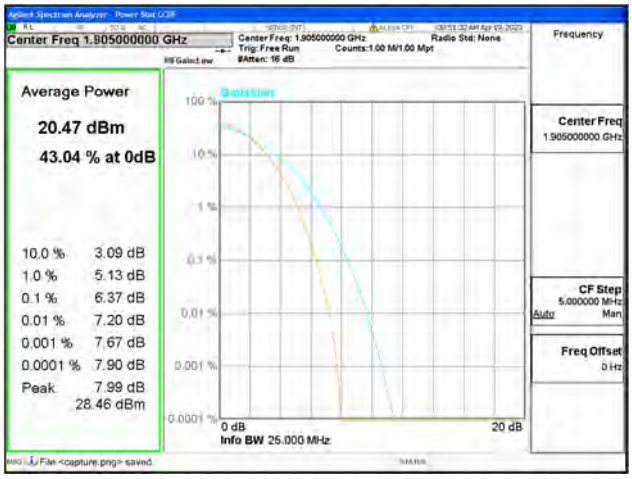
Band25 / 20MHz / Mid CH / 64QAM



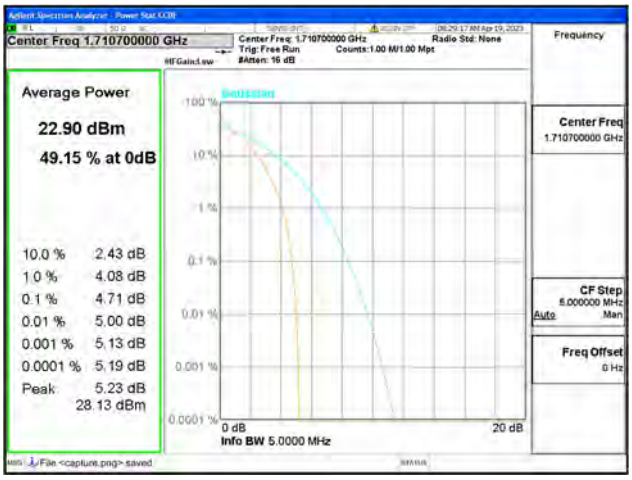
Band25 / 20MHz / High CH / QPSK



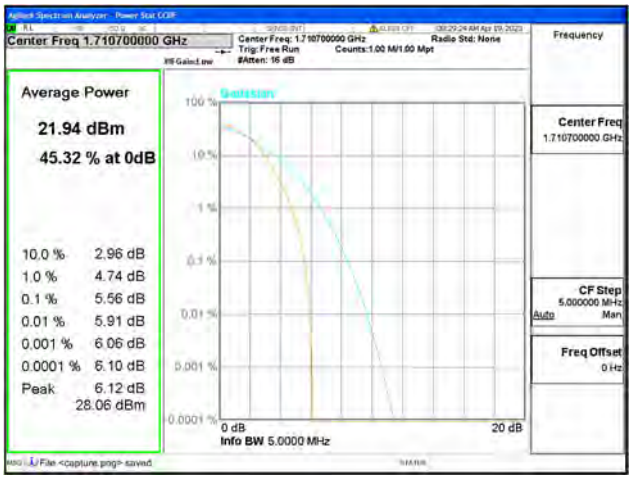
Band25 / 20MHz / High CH / 16QAM



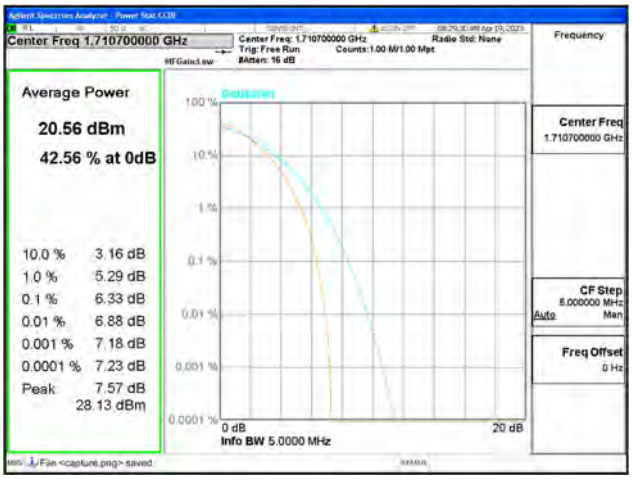
Band25 / 20MHz / High CH / 64QAM



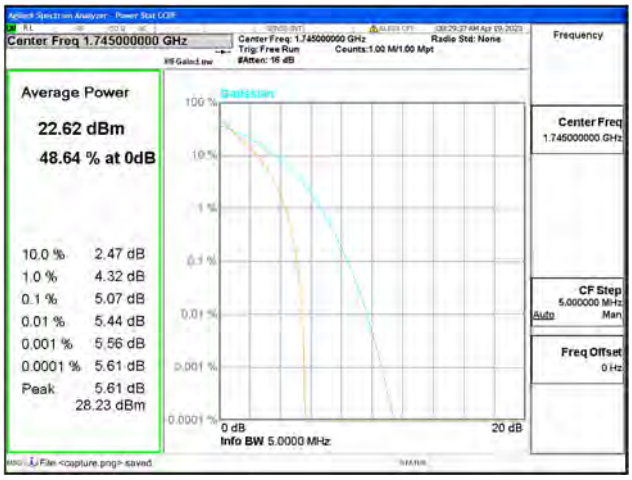
Band66 / 1.4MHz / Low CH / QPSK



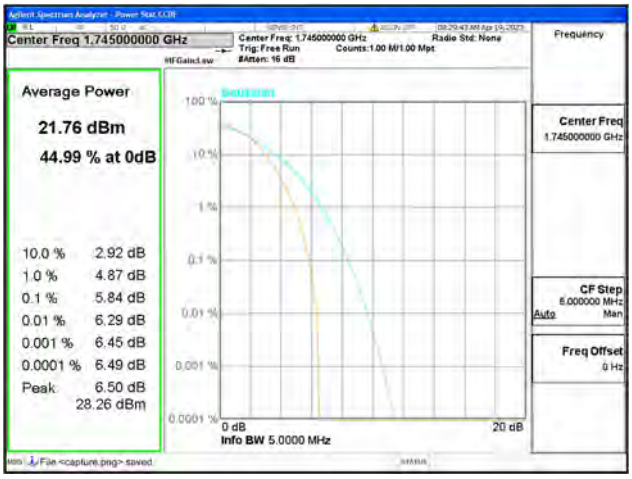
Band66 / 1.4MHz / Low CH / 16QAM



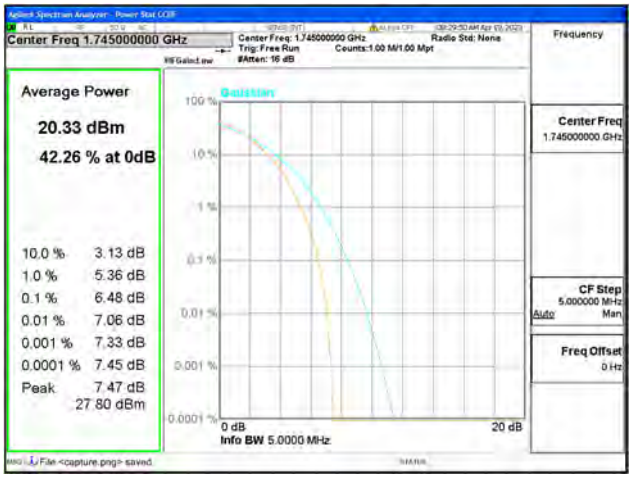
Band66 / 1.4MHz / Low CH / 64QAM



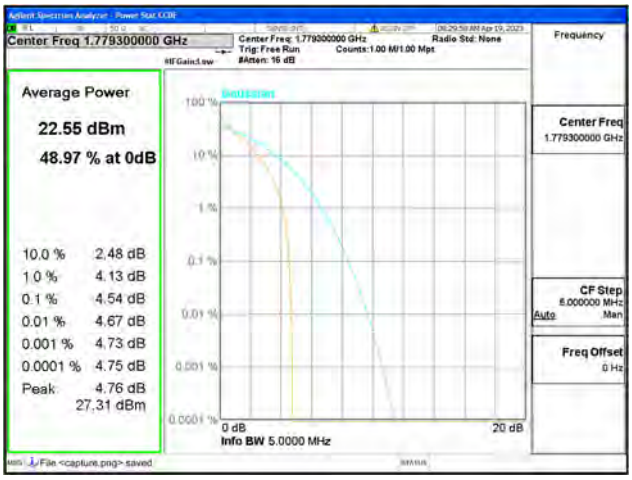
Band66 / 1.4MHz / Mid CH / QPSK



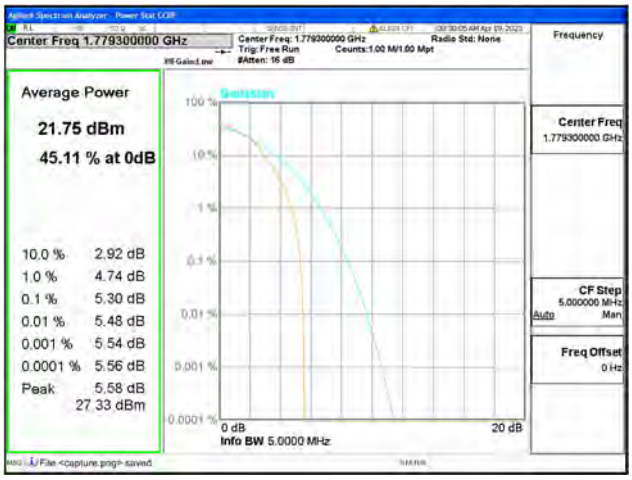
Band66 / 1.4MHz / Mid CH / 16QAM



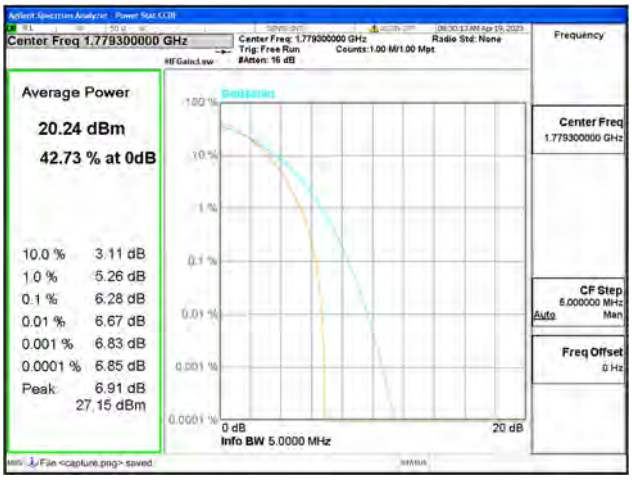
Band66 / 1.4MHz / Mid CH / 64QAM



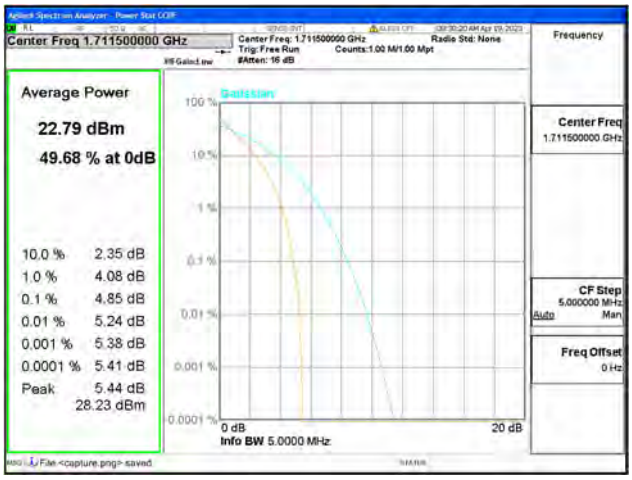
Band66 / 1.4MHz / High CH / QPSK



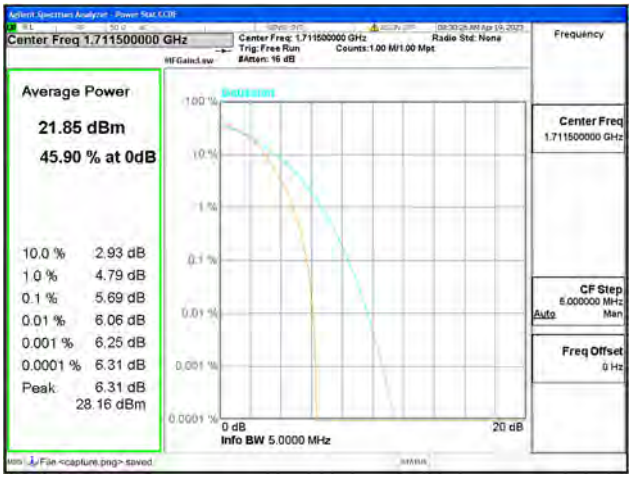
Band66 / 1.4MHz / High CH / 16QAM



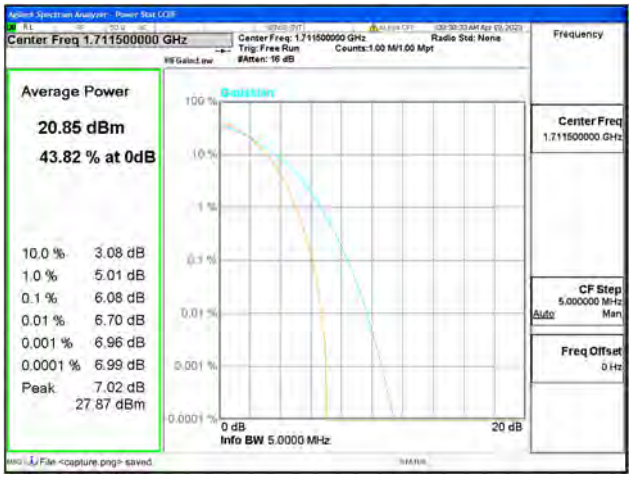
Band66 / 1.4MHz / High CH / 64QAM



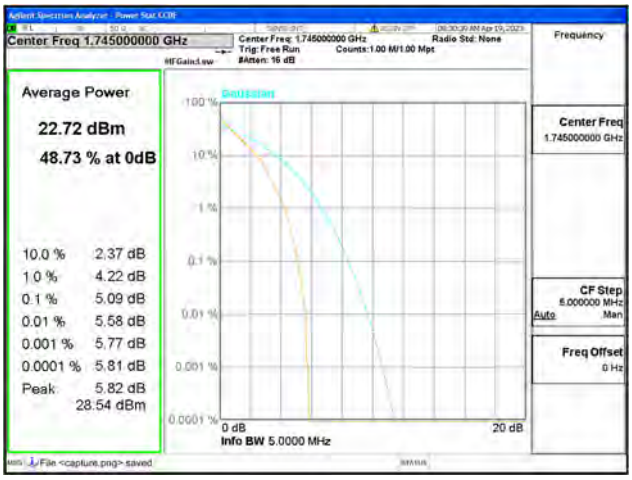
Band66 / 3MHz / Low CH / QPSK



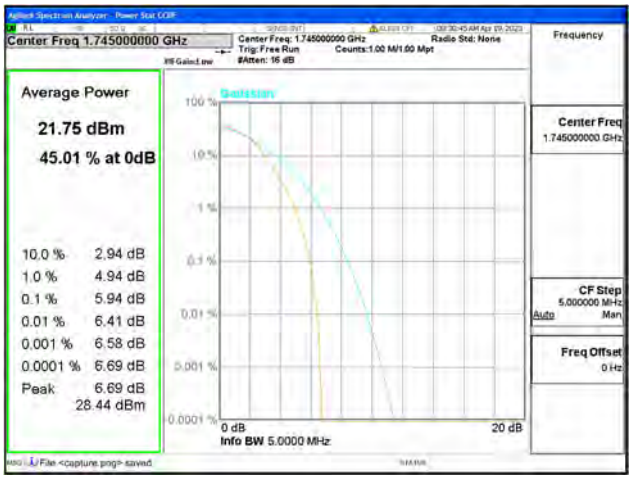
Band66 / 3MHz / Low CH / 16QAM



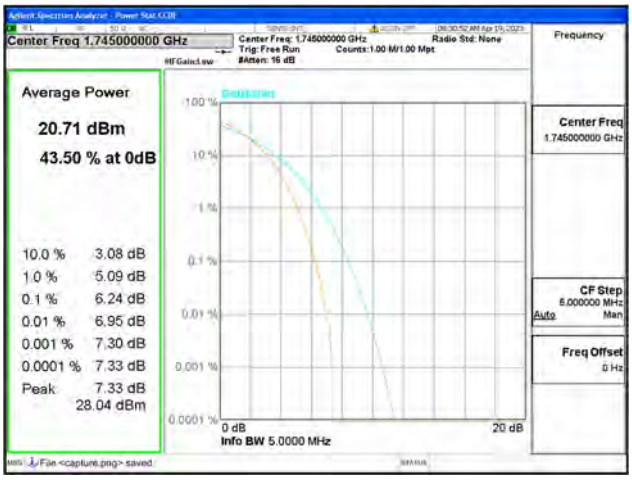
Band66 / 3MHz / Low CH / 64QAM



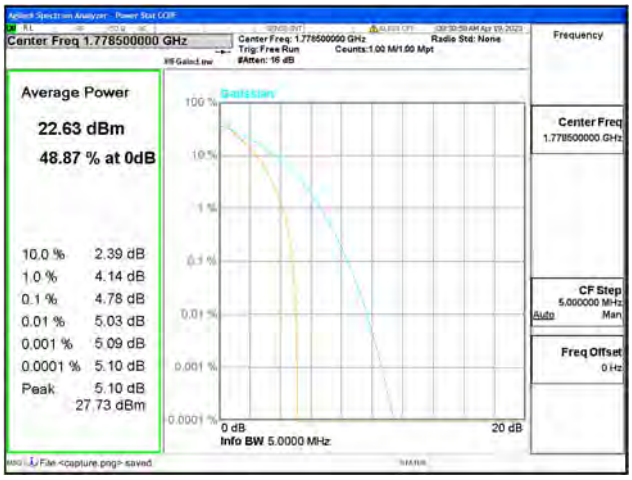
Band66 / 3MHz / Mid CH / QPSK



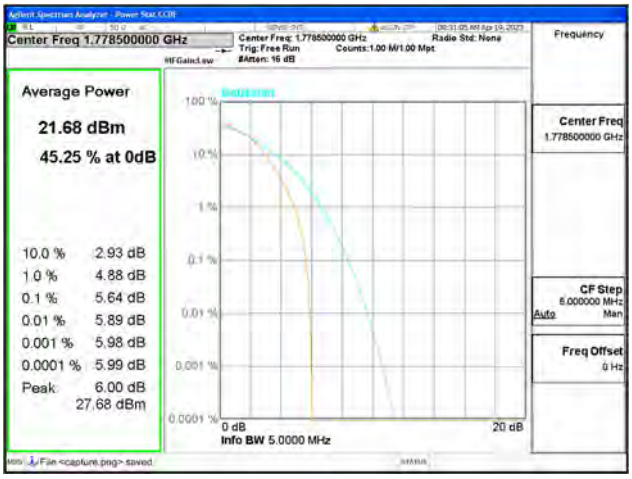
Band66 / 3MHz / Mid CH / 16QAM



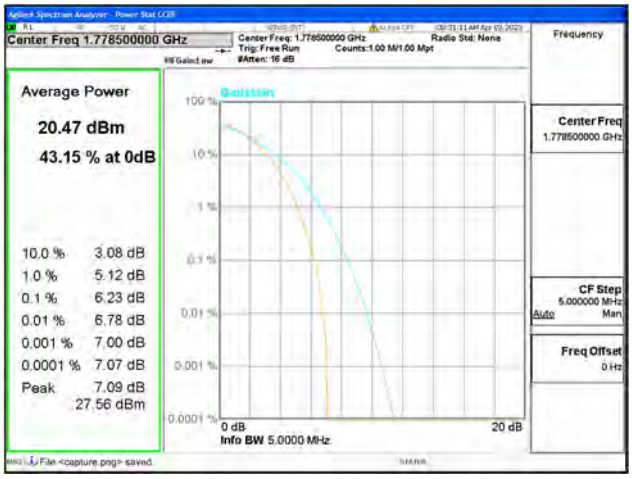
Band66 / 3MHz / Mid CH / 64QAM



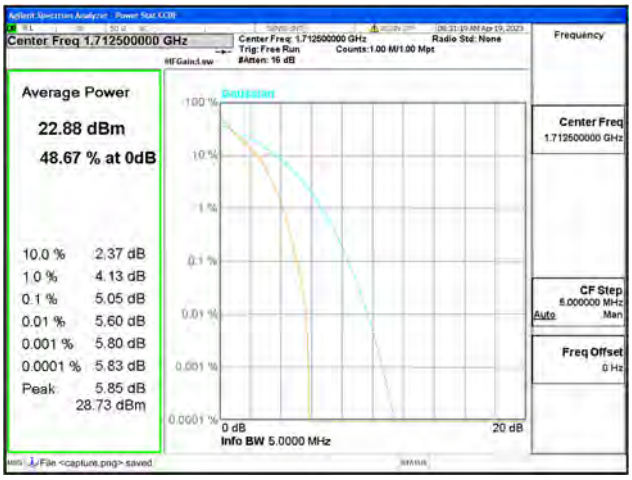
Band66 / 3MHz / High CH / QPSK



Band66 / 3MHz / High CH / 16QAM



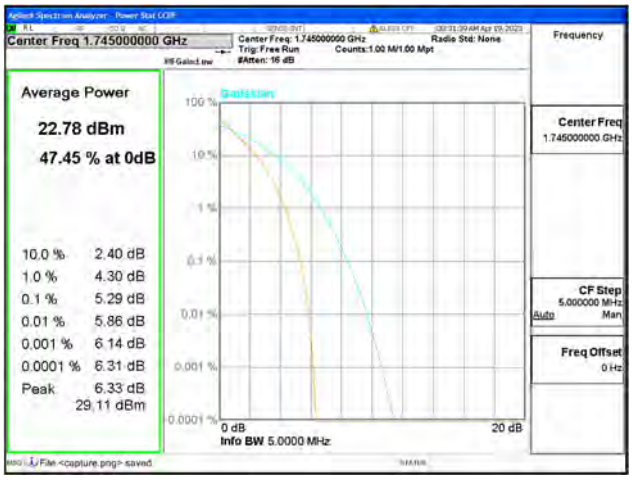
Band66 / 3MHz / High CH / 64QAM



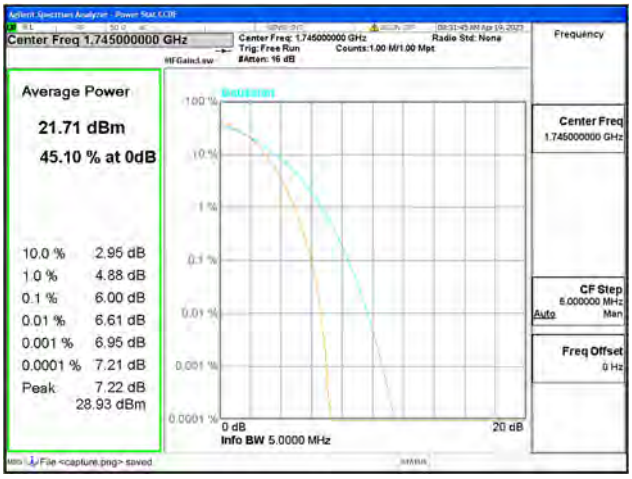
Band66 / 5MHz / Low CH / QPSK

Band66 / 5MHz / Low CH / 16QAM

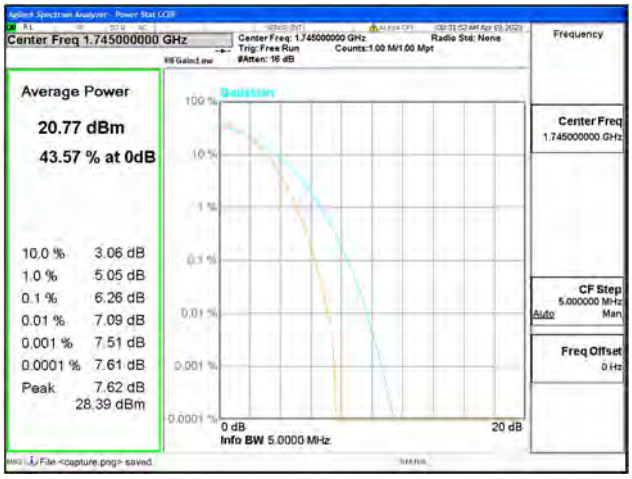
Band66 / 5MHz / Low CH / 64QAM



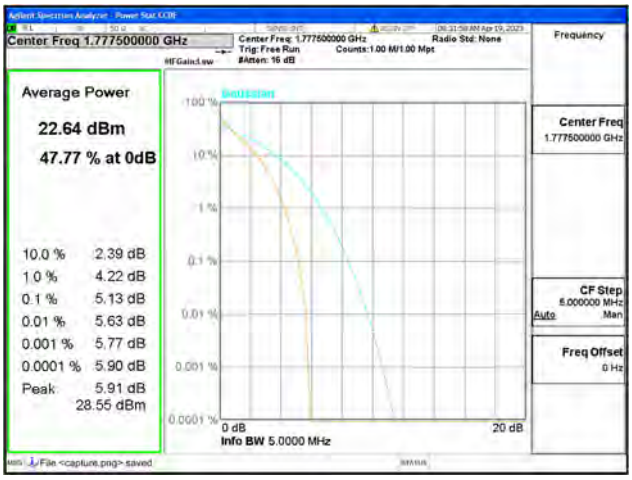
Band66 / 5MHz / Mid CH / QPSK



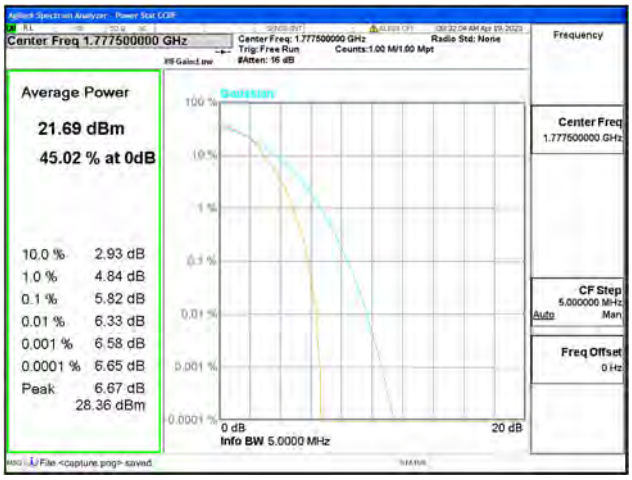
Band66 / 5MHz / Mid CH / 16QAM



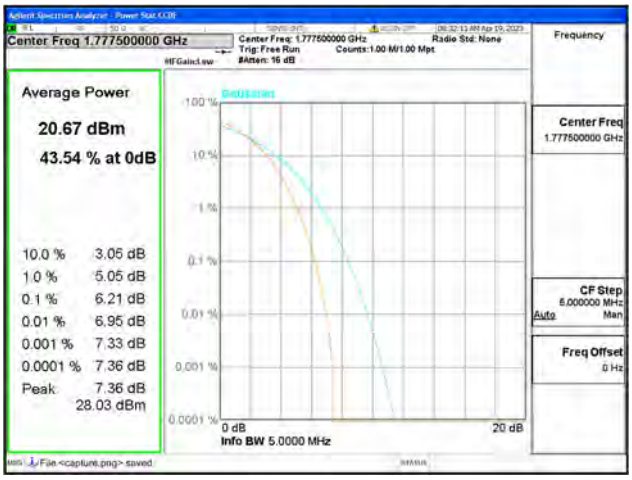
Band66 / 5MHz / Mid CH / 64QAM



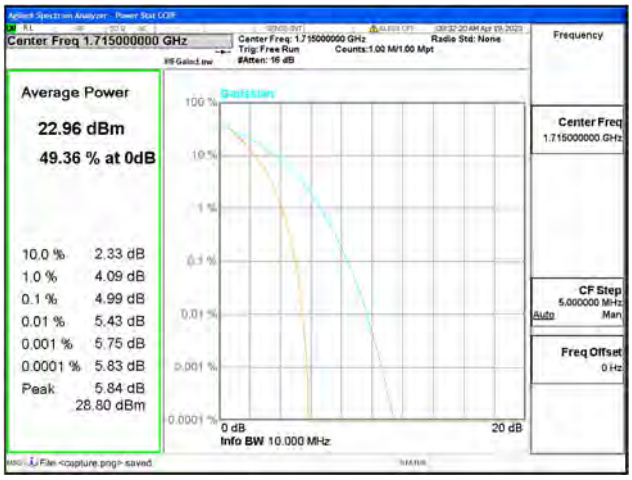
Band66 / 5MHz / High CH / QPSK



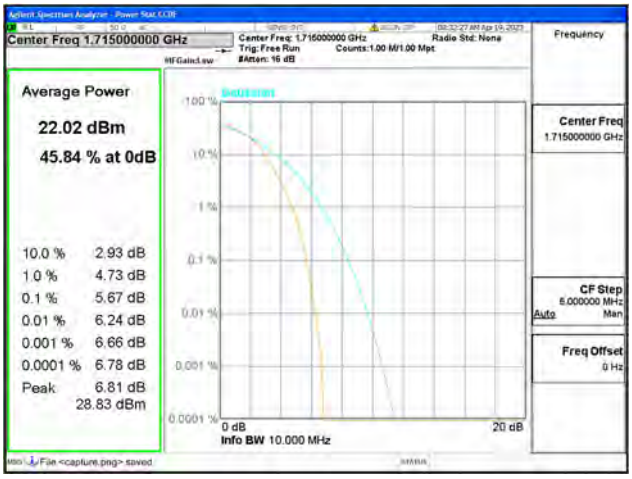
Band66 / 5MHz / High CH / 16QAM



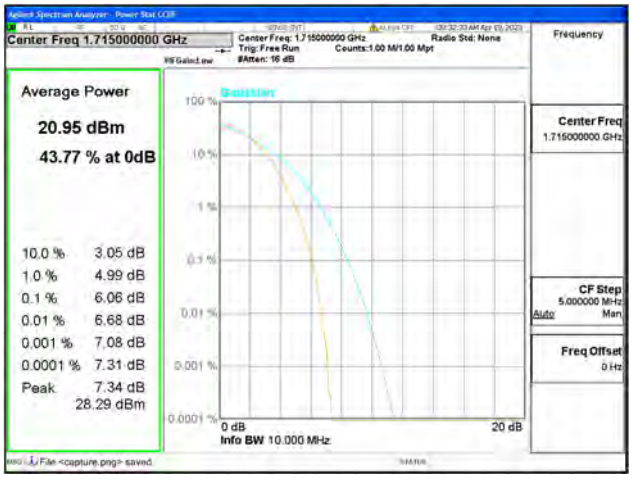
Band66 / 5MHz / High CH / 64QAM



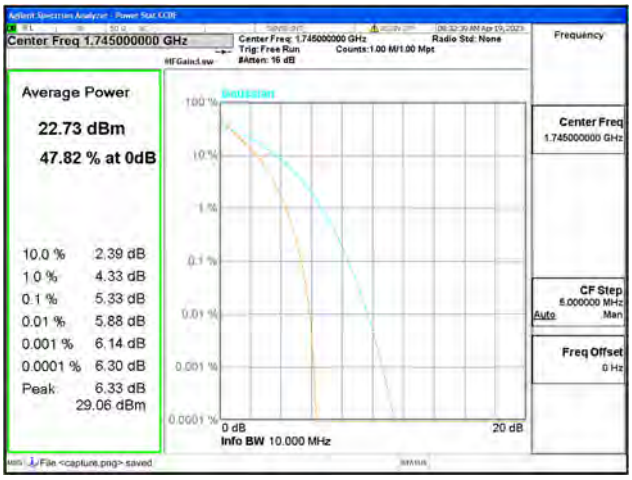
Band66 / 10MHz / Low CH / QPSK



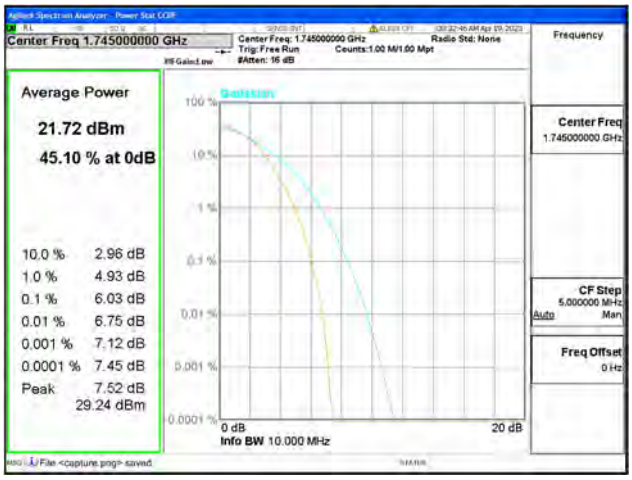
Band66 / 10MHz / Low CH / 16QAM



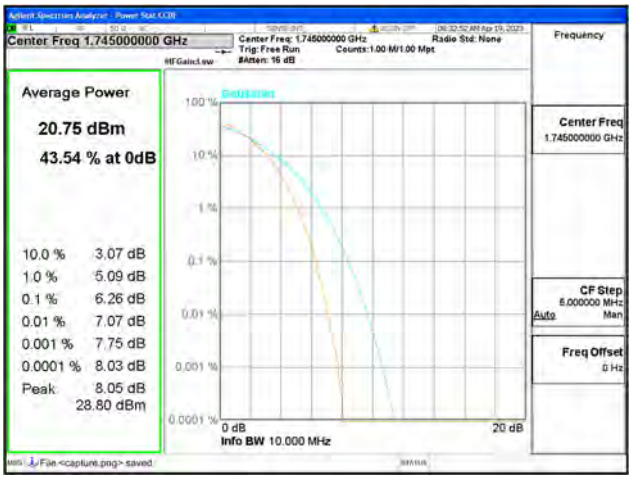
Band66 / 10MHz / Low CH / 64QAM



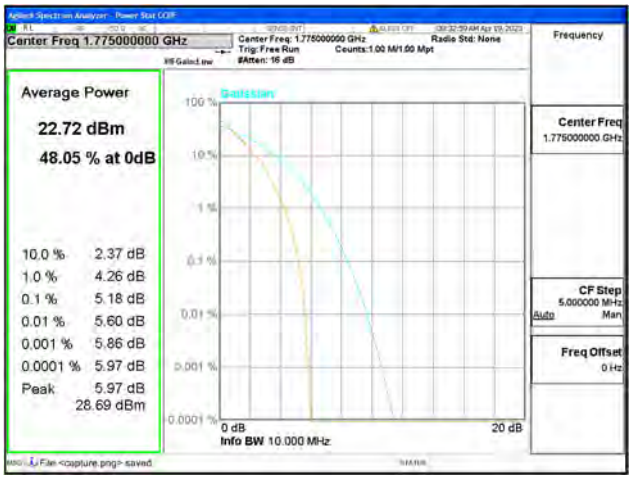
Band66 / 10MHz / Mid CH / QPSK



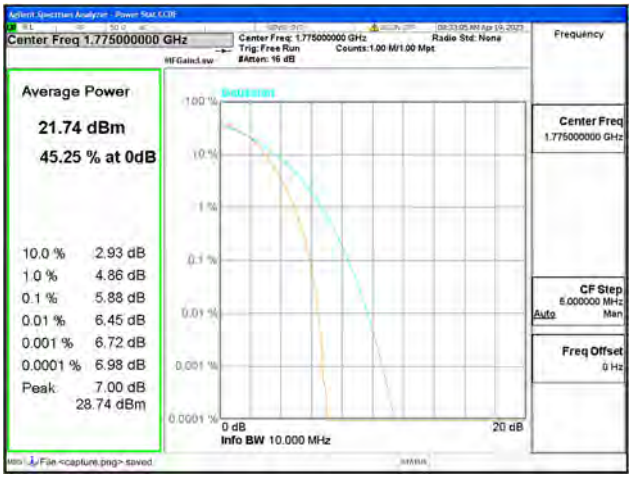
Band66 / 10MHz / Mid CH / 16QAM



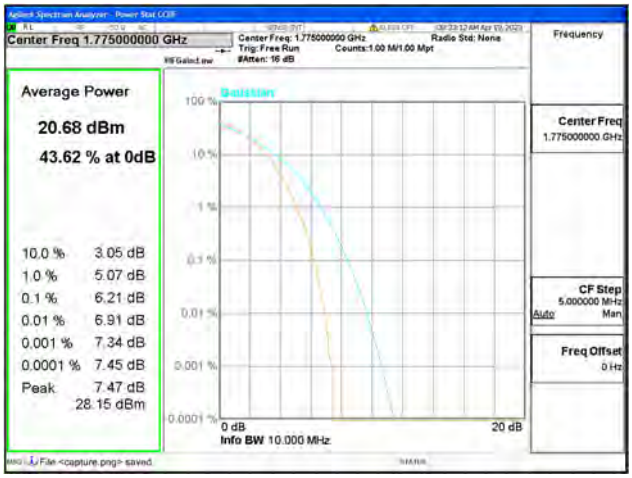
Band66 / 10MHz / Mid CH / 64QAM



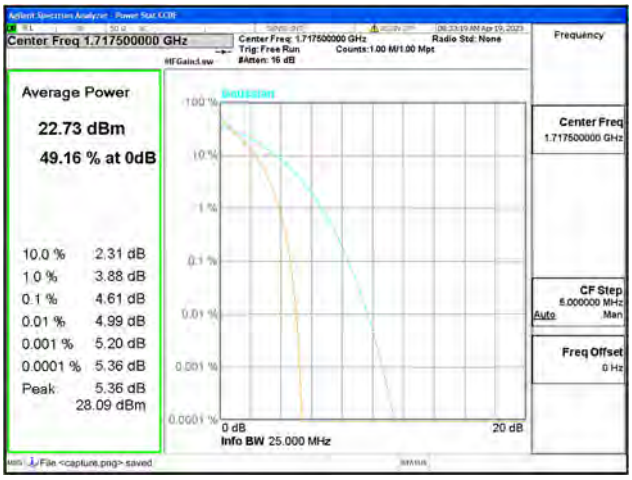
Band66 / 10MHz / High CH / QPSK



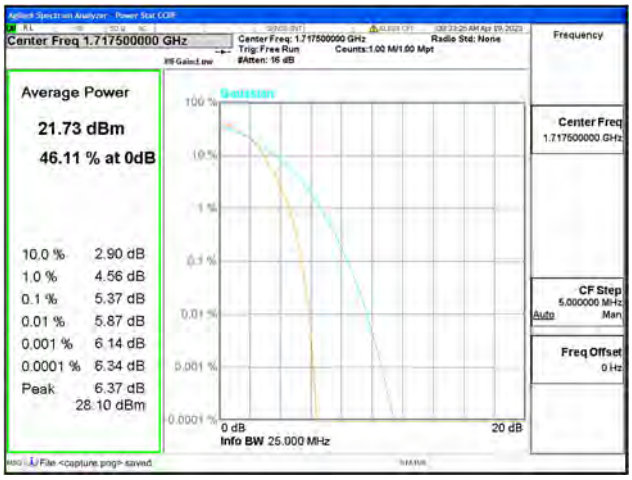
Band66 / 10MHz / High CH / 16QAM



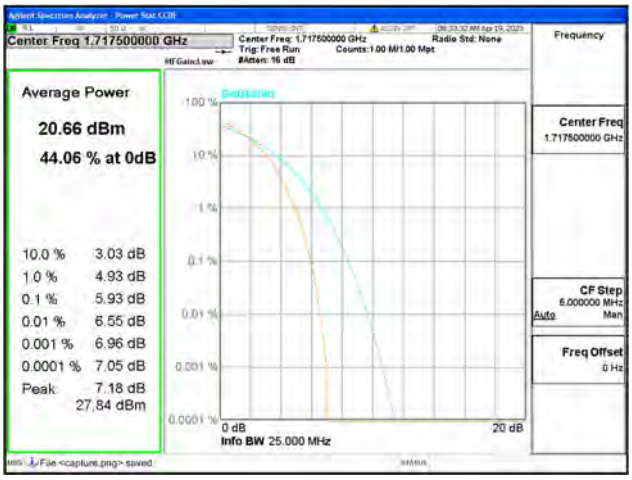
Band66 / 10MHz / High CH / 64QAM



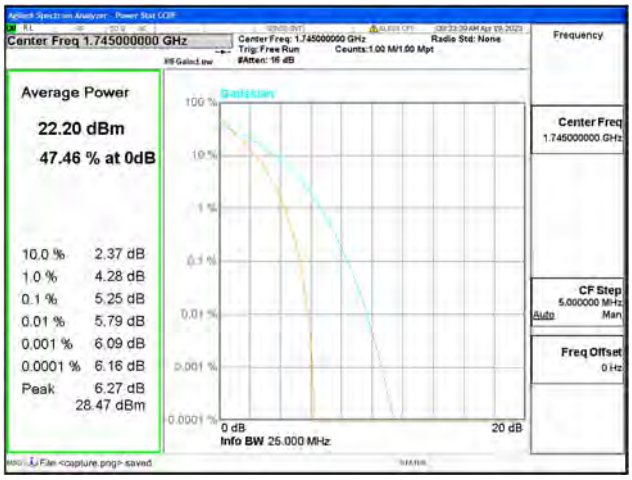
Band66 / 15MHz / Low CH / QPSK



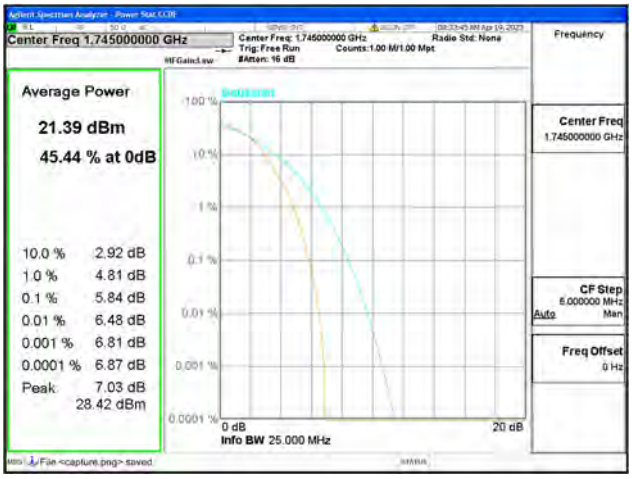
Band66 / 15MHz / Low CH / 16QAM



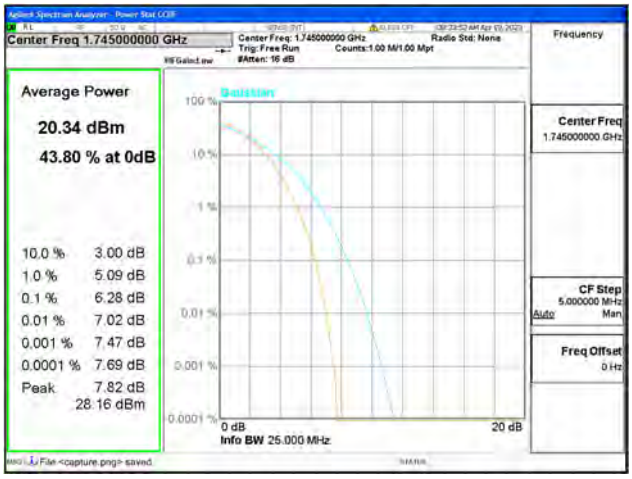
Band66 / 15MHz / Low CH / 64QAM



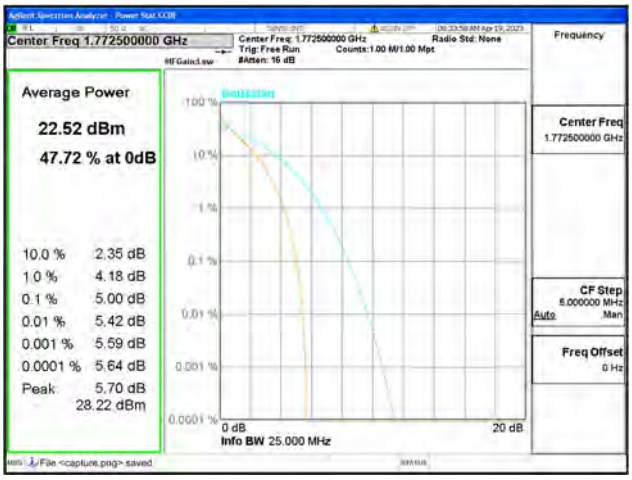
Band66 / 15MHz / Mid CH / QPSK



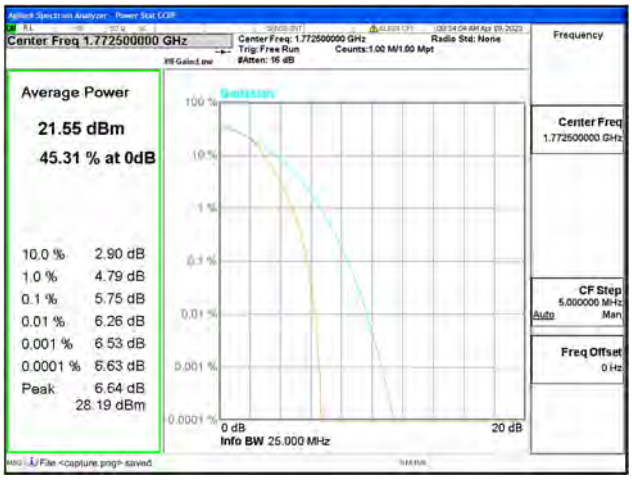
Band66 / 15MHz / Mid CH / 16QAM



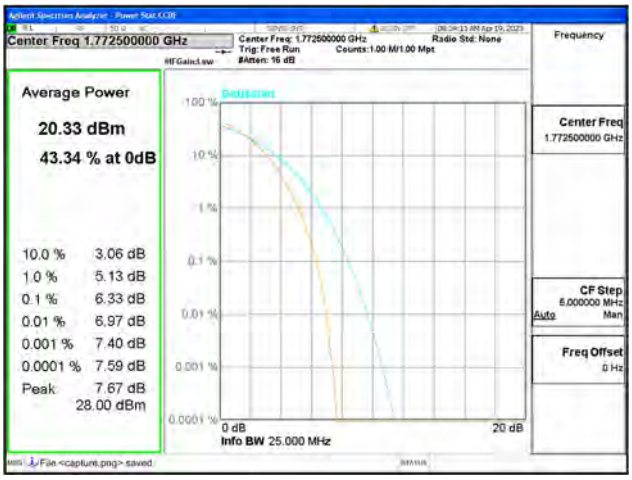
Band66 / 15MHz / Mid CH / 64QAM



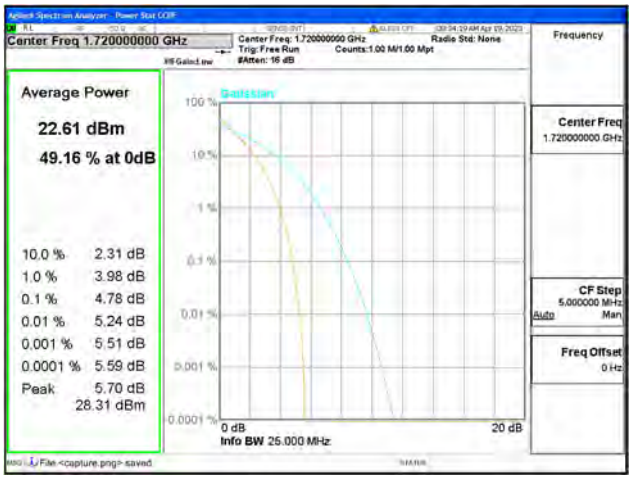
Band66 / 15MHz / High CH / QPSK



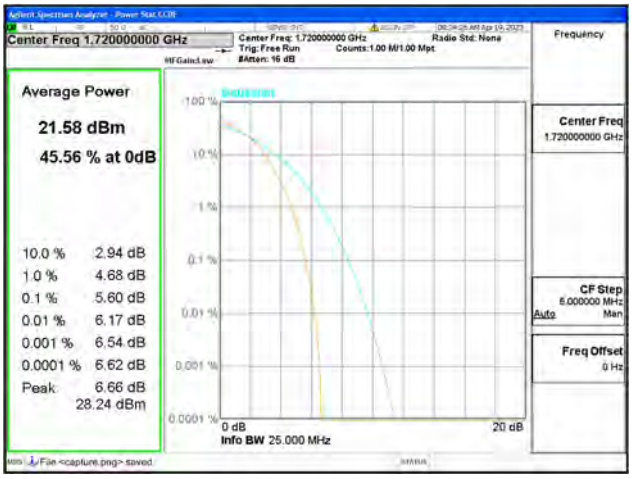
Band66 / 15MHz / High CH / 16QAM



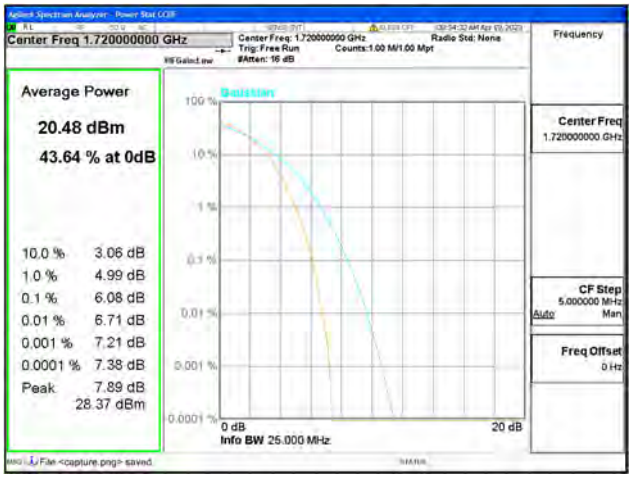
Band66 / 15MHz / High CH / 64QAM



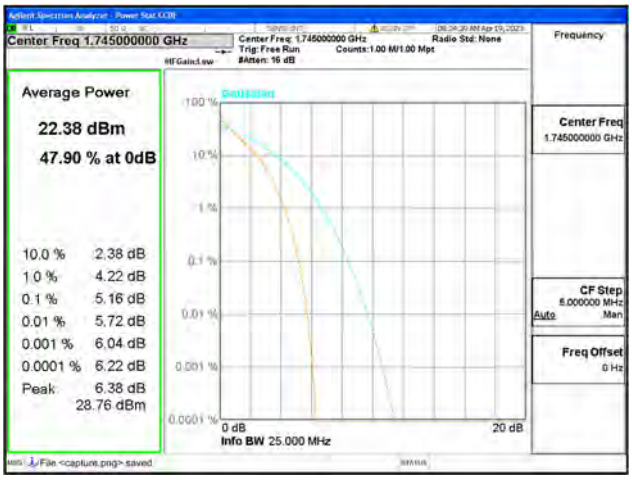
Band66 / 20MHz / Low CH / QPSK



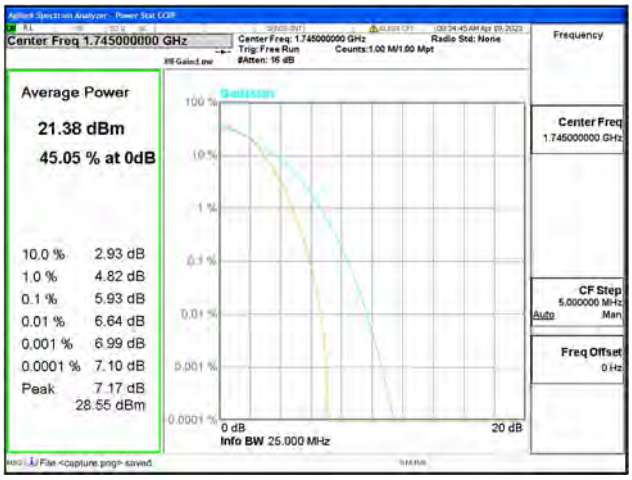
Band66 / 20MHz / Low CH / 16QAM



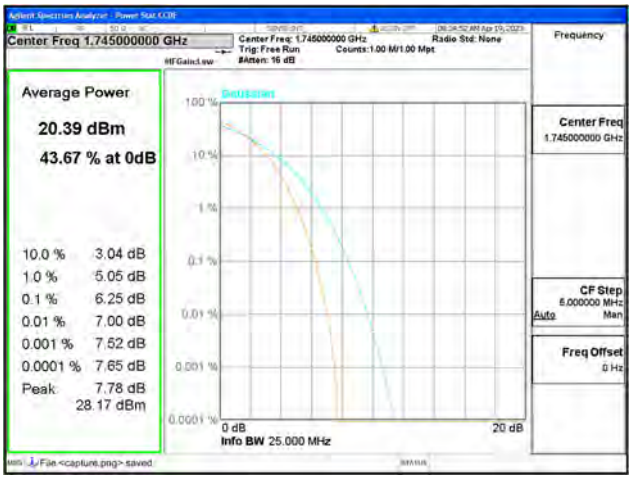
Band66 / 20MHz / Low CH / 64QAM



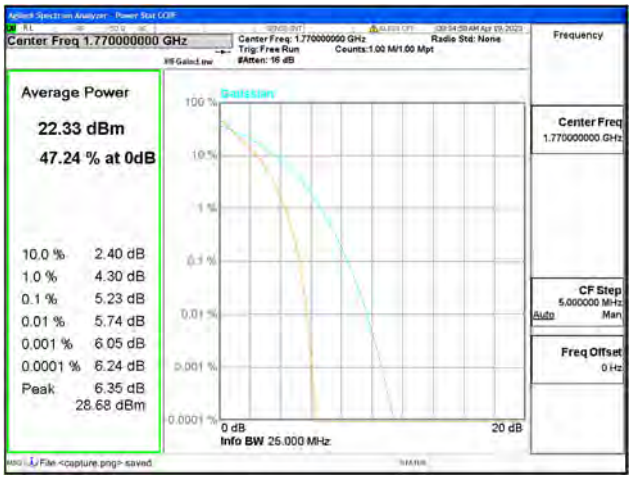
Band66 / 20MHz / Mid CH / QPSK



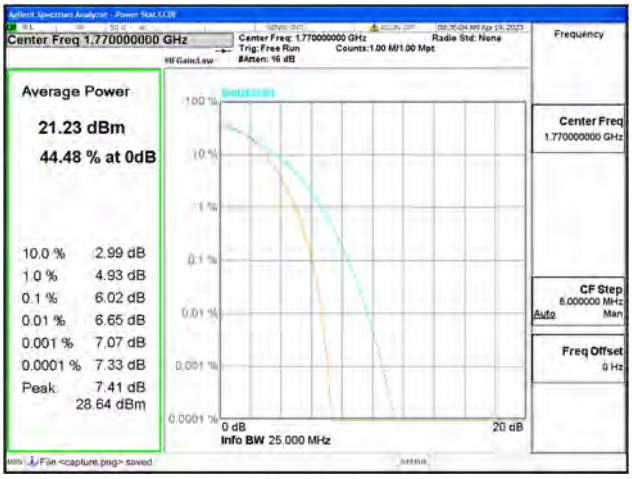
Band66 / 20MHz / Mid CH / 16QAM



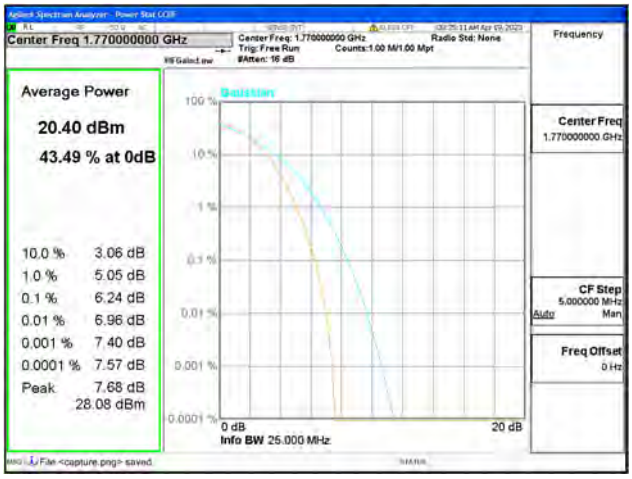
Band66 / 20MHz / Mid CH / 64QAM



Band66 / 20MHz / High CH / QPSK



Band66 / 20MHz / High CH / 16QAM



Band66 / 20MHz / High CH / 64QAM

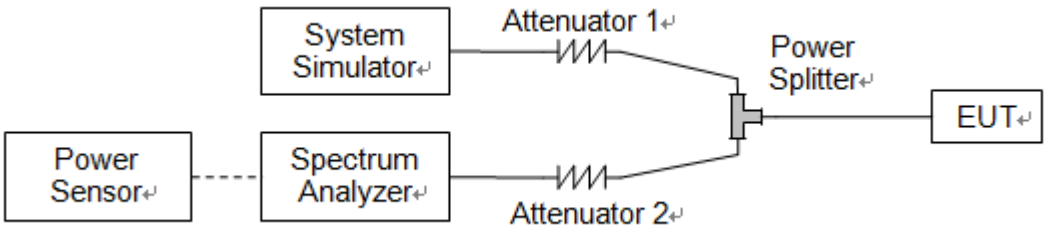
2.5. Conducted Spurious Emissions

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 7/41:
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 30:
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

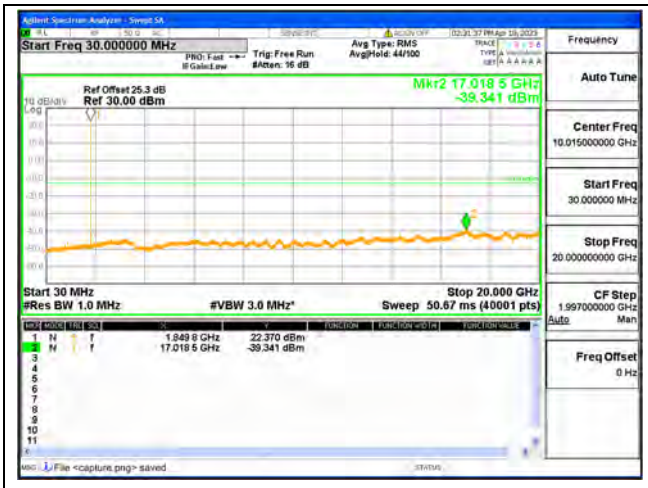


The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum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

2.5.3. Test Procedure

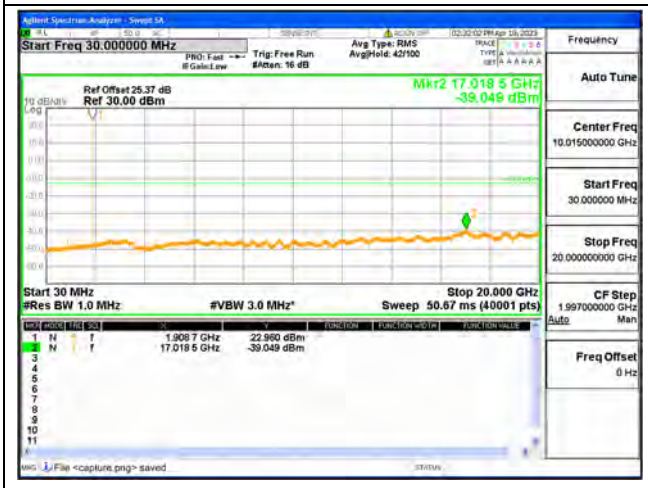
KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.

2.5.4. Test Result



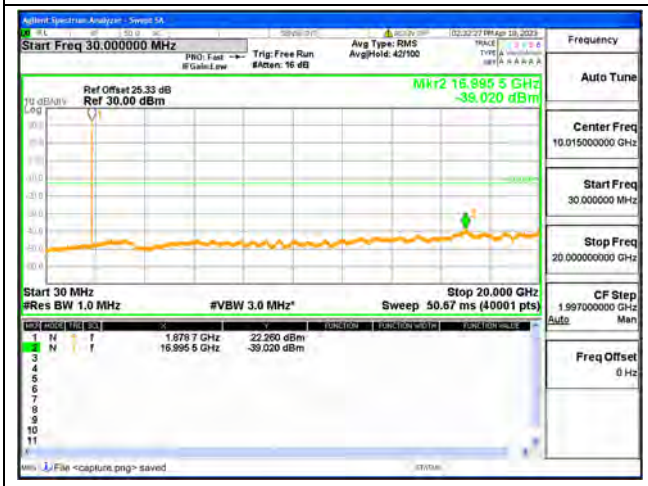
Band2 / 1.4MHz / Low CH / QPSK

Band2 / 1.4MHz / Mid CH / QPSK



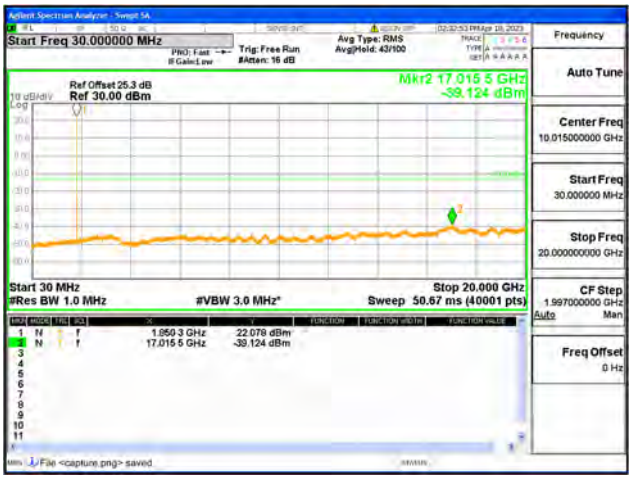
Band2 / 1.4MHz / High CH / QPSK

Band2 / 3MHz / Low CH / QPSK



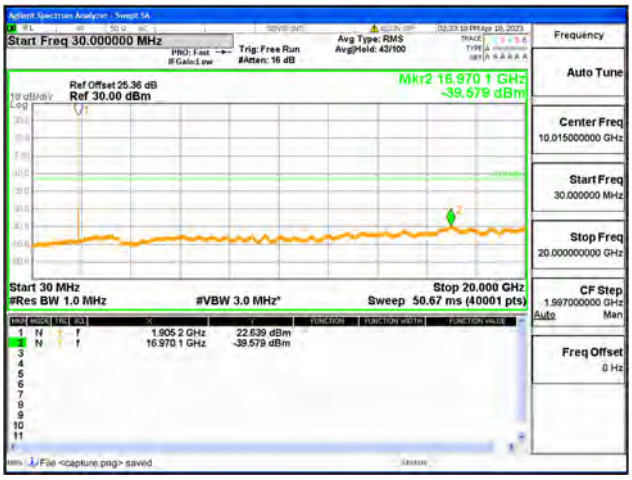
Band2 / 3MHz / Mid CH / QPSK

Band2 / 3MHz / High CH / QPSK



Band2 / 5MHz / Low CH / QPSK

Band2 / 5MHz / Mid CH / QPSK

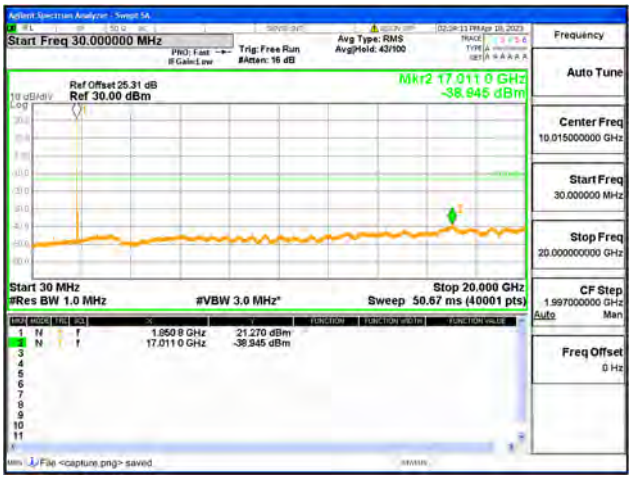


Band2 / 5MHz / High CH / QPSK

Band2 / 10MHz / Low CH / QPSK

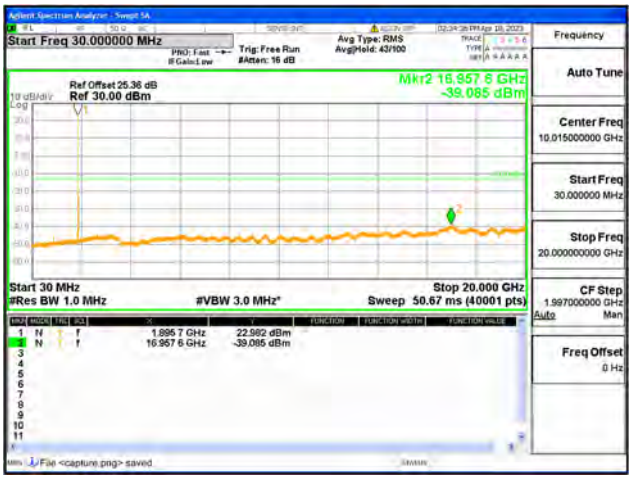
Band2 / 10MHz / Mid CH / QPSK

Band2 / 10MHz / High CH / QPSK



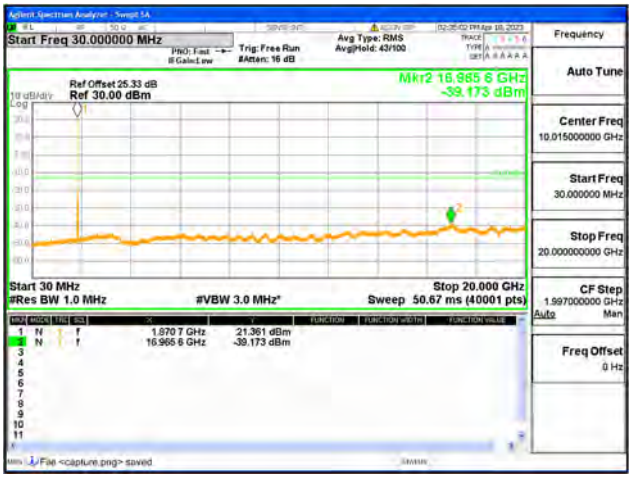
Band2 / 15MHz / Low CH / QPSK

Band2 / 15MHz / Mid CH / QPSK



Band2 / 15MHz / High CH / QPSK

Band2 / 20MHz / Low CH / QPSK



Band2 / 20MHz / Mid CH / QPSK

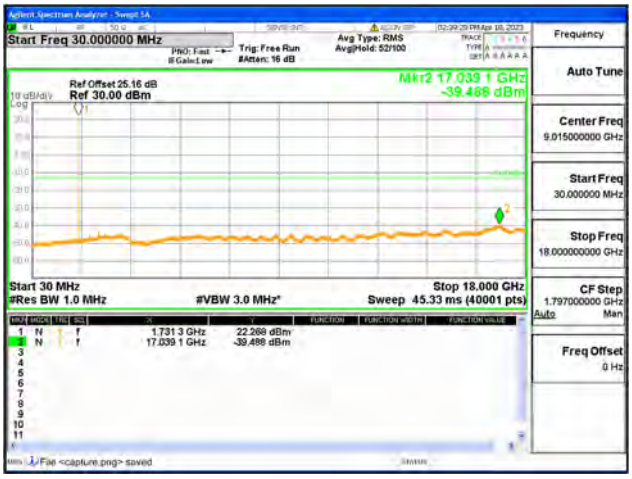
Band2 / 20MHz / High CH / QPSK

Band4 / 1.4MHz / Low CH / QPSK

Band4 / 1.4MHz / Mid CH / QPSK

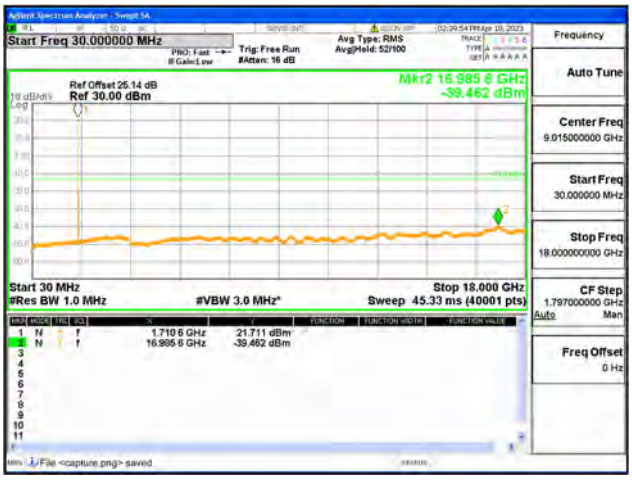
Band4 / 1.4MHz / High CH / QPSK

Band4 / 3MHz / Low CH / QPSK



Band4 / 3MHz / Mid CH / QPSK

Band4 / 3MHz / High CH / QPSK



Band4 / 5MHz / Low CH / QPSK

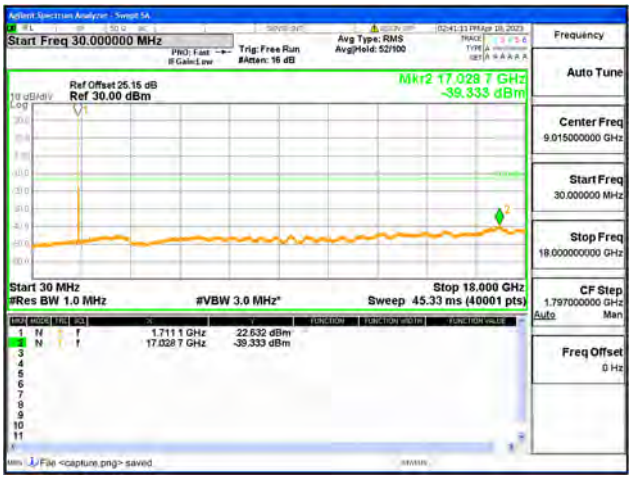
Band4 / 5MHz / Mid CH / QPSK

Band4 / 5MHz / High CH / QPSK

Band4 / 10MHz / Low CH / QPSK

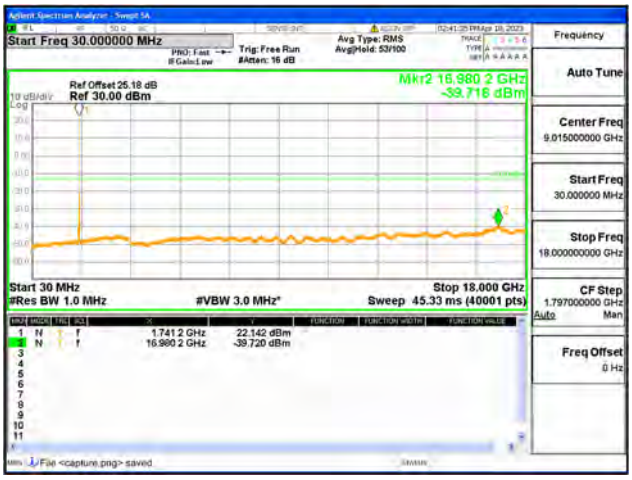
Band4 / 10MHz / Mid CH / QPSK

Band4 / 10MHz / High CH / QPSK



Band4 / 15MHz / Low CH / QPSK

Band4 / 15MHz / Mid CH / QPSK

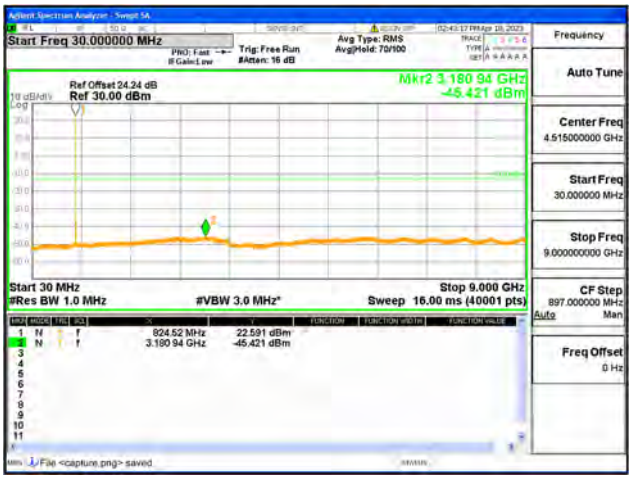


Band4 / 15MHz / High CH / QPSK

Band4 / 20MHz / Low CH / QPSK

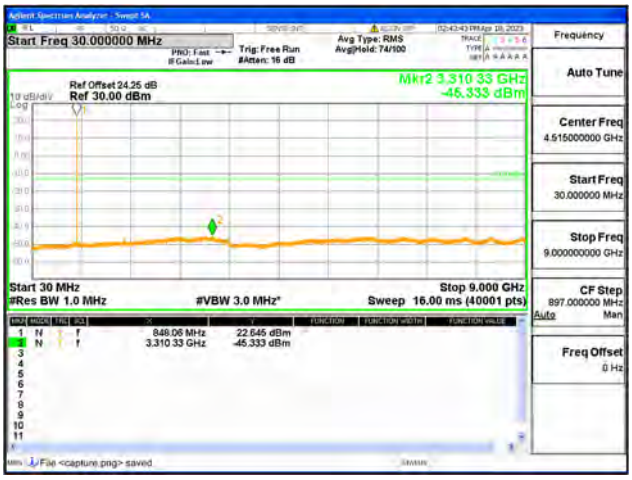
Band4 / 20MHz / Mid CH / QPSK

Band4 / 20MHz / High CH / QPSK

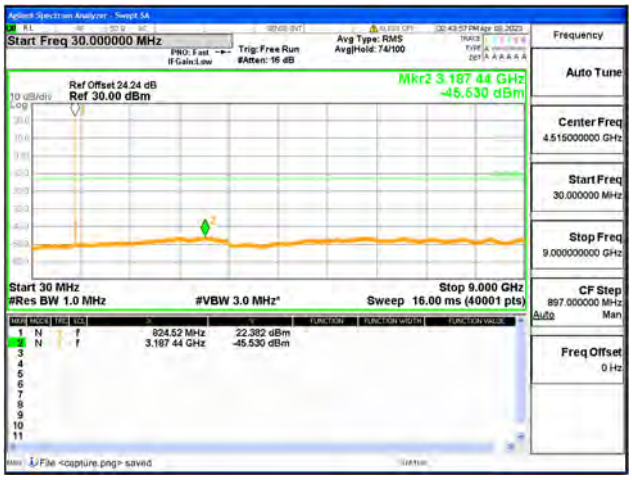


Band5 / 1.4MHz / Low CH / QPSK

Band5 / 1.4MHz / Mid CH / QPSK

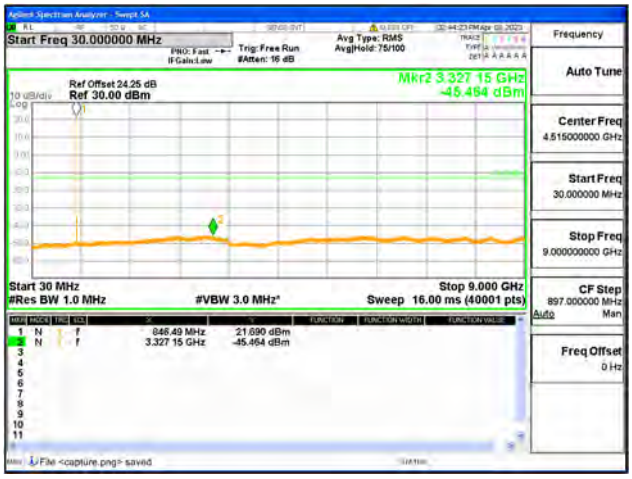


Band5 / 1.4MHz / High CH / QPSK



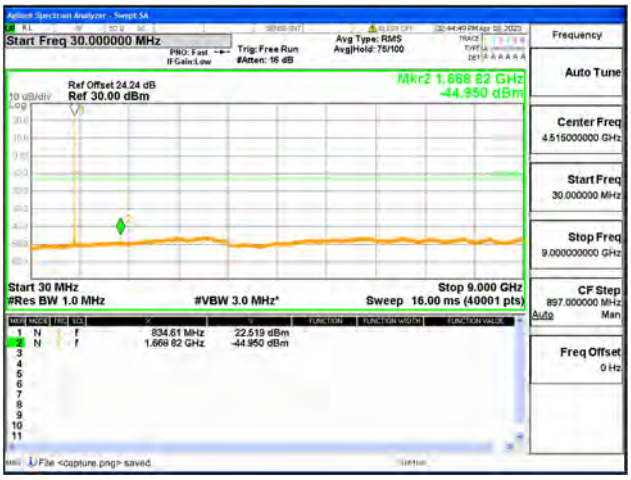
Band5 / 3MHz / Low CH / QPSK

Band5 / 3MHz / Mid CH / QPSK

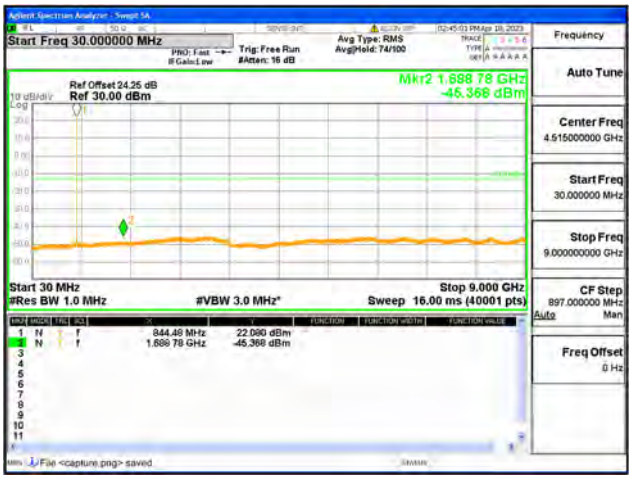


Band5 / 3MHz / High CH / QPSK

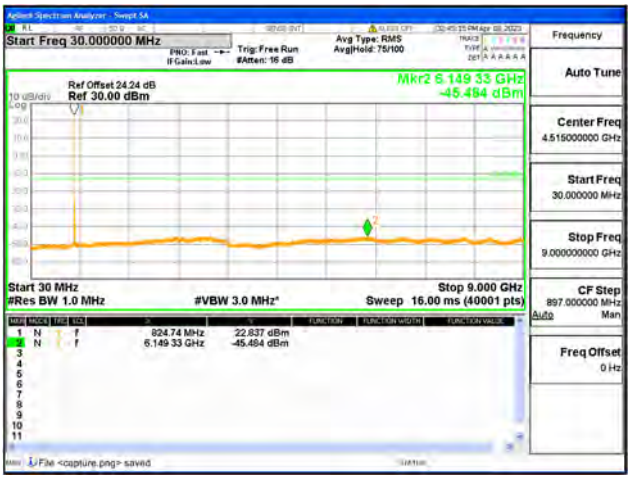
Band5 / 5MHz / Low CH / QPSK



Band5 / 5MHz / Mid CH / QPSK



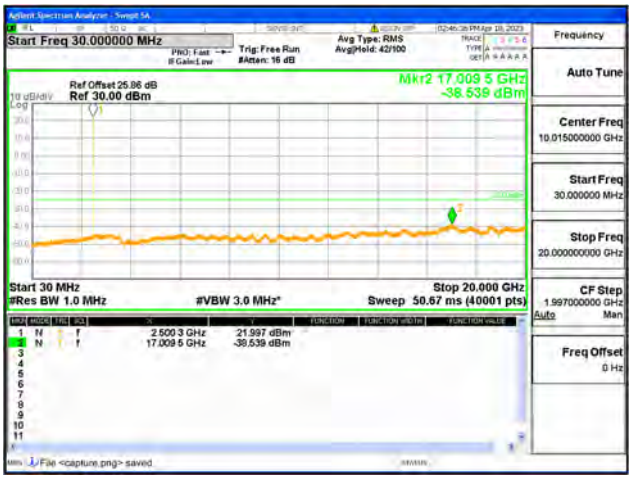
Band5 / 5MHz / High CH / QPSK



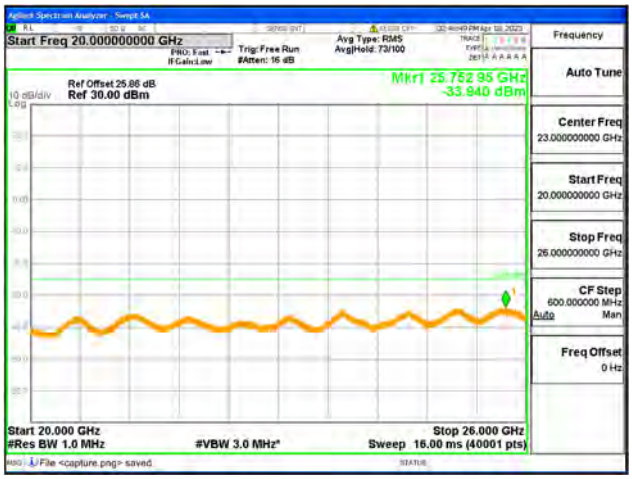
Band5 / 10MHz / Low CH / QPSK

Band5 / 10MHz / Mid CH / QPSK

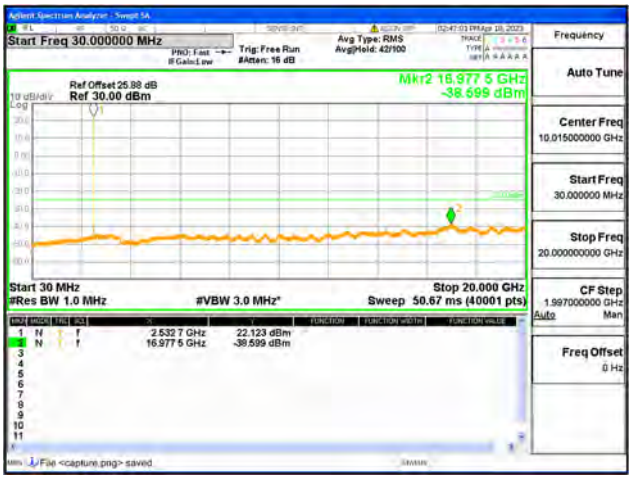
Band5 / 10MHz / High CH / QPSK



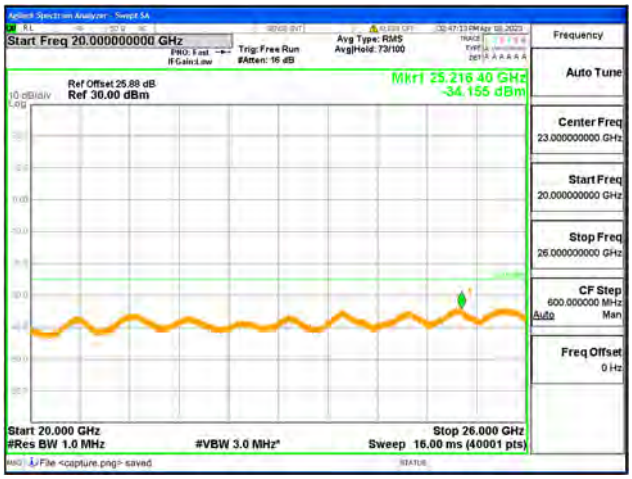
Band7-30M-20G / 5MHz / Low CH / QPSK



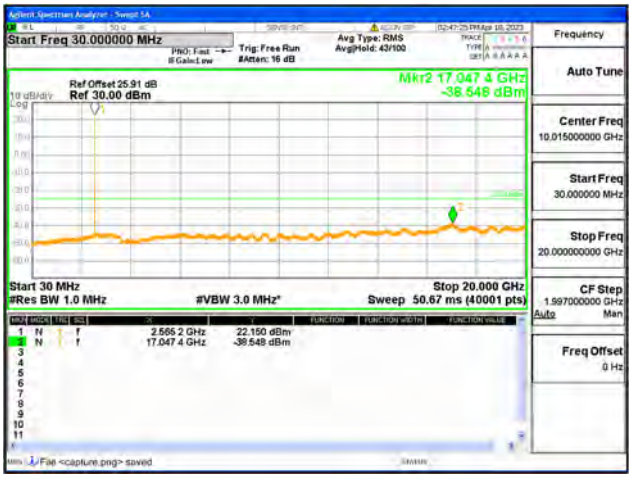
Band7-20G-26G / 5MHz / Low CH / QPSK



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

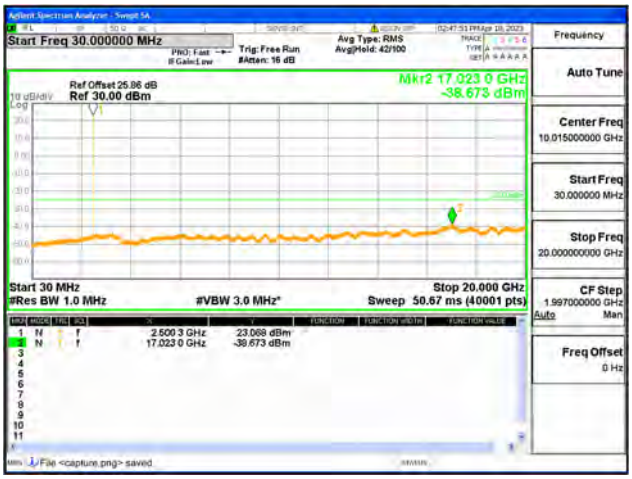


Band7-20G-26G / 5MHz / Mid CH / QPSK



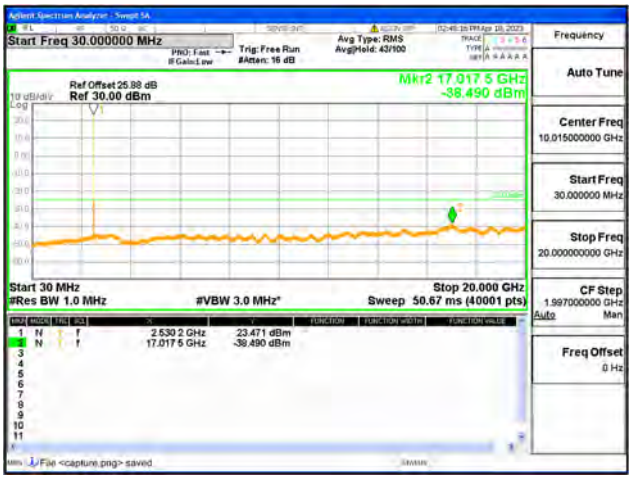
Band7-30M-20G / 5MHz / High CH / QPSK

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

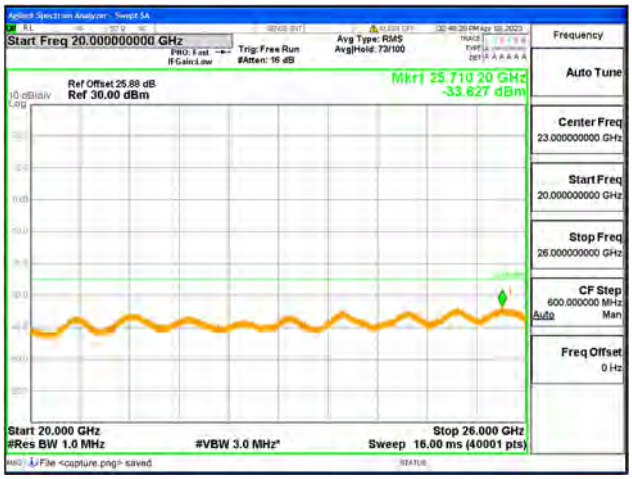


Band7-30M-20G / 10MHz / Low CH / QPSK

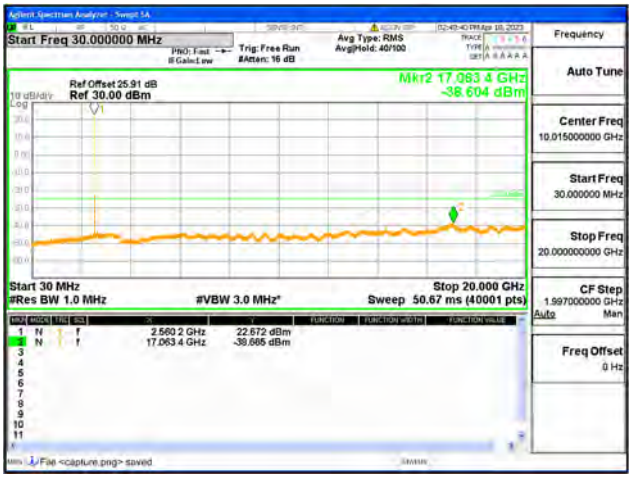
Band7-20G-26G / 10MHz / Low CH / QPSK



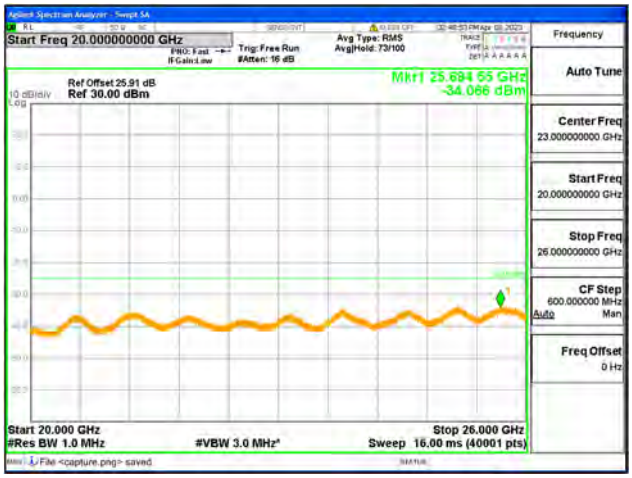
Band7-30M-20G / 10MHz / Mid CH / QPSK



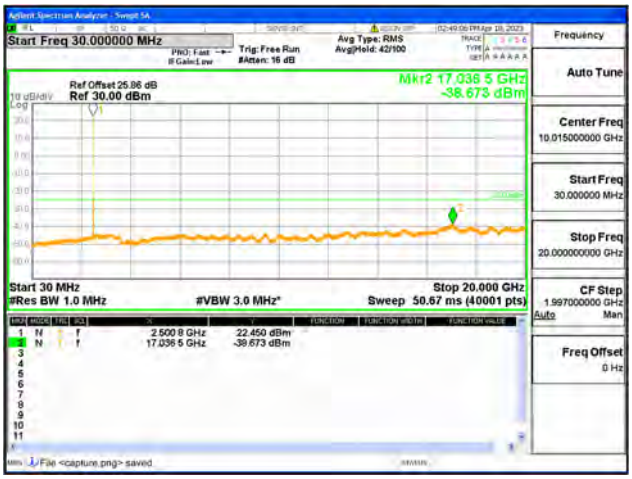
Band7-20G-26G / 10MHz / Mid CH / QPSK



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

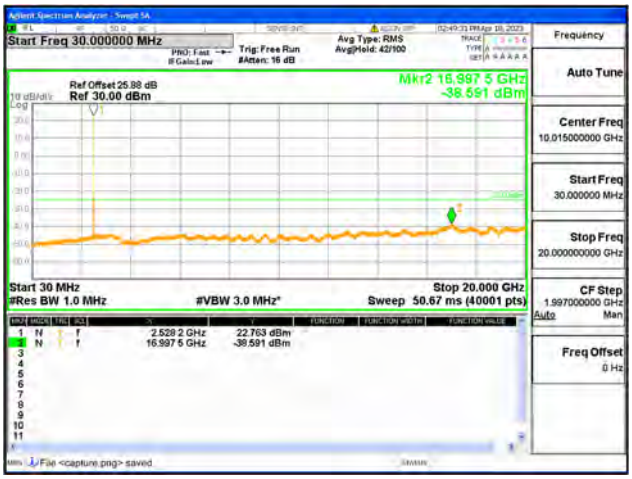


Band7-20G-26G / 10MHz / High CH / QPSK

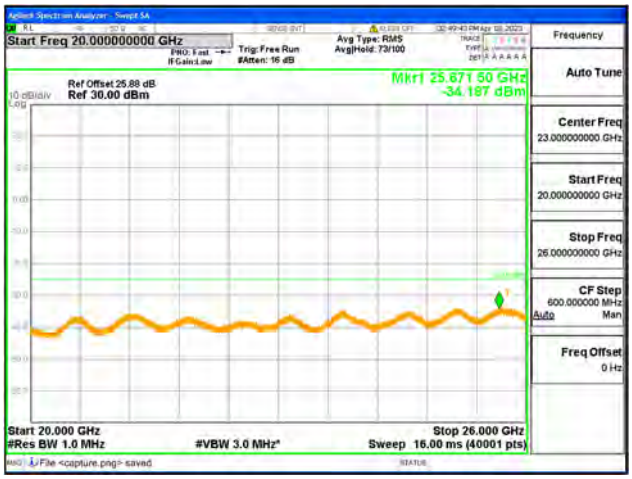


Band7-30M-20G / 15MHz / Low CH / QPSK

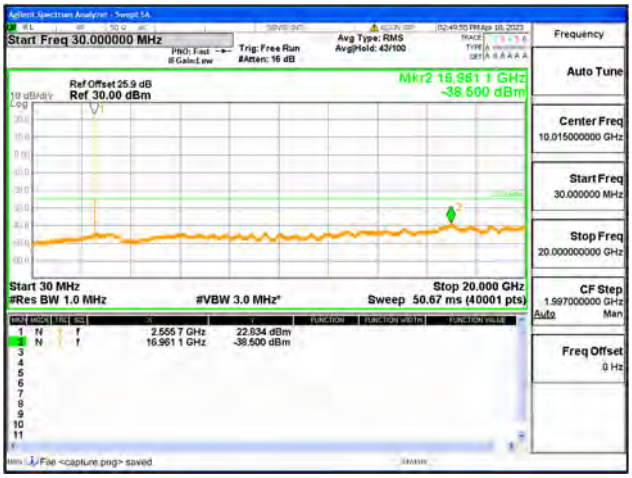
Band7-20G-26G / 15MHz / Low CH / QPSK



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

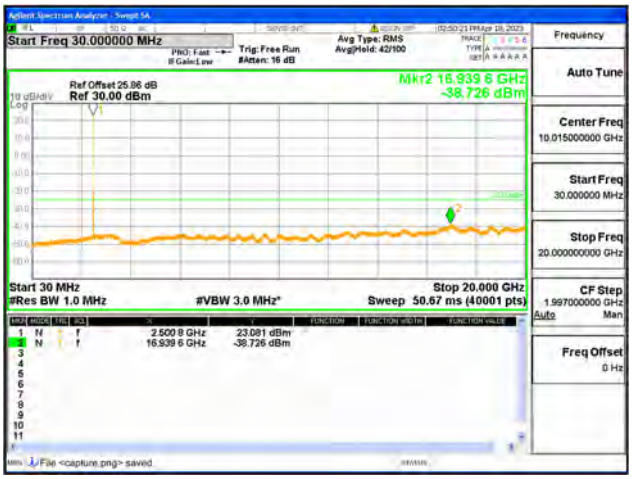


Band7-20G-26G / 15MHz / Mid CH / QPSK

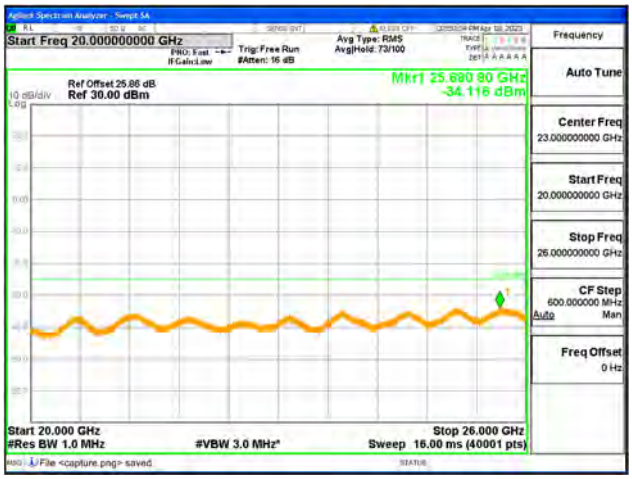


Band7-30M-20G / 15MHz / High CH / QPSK

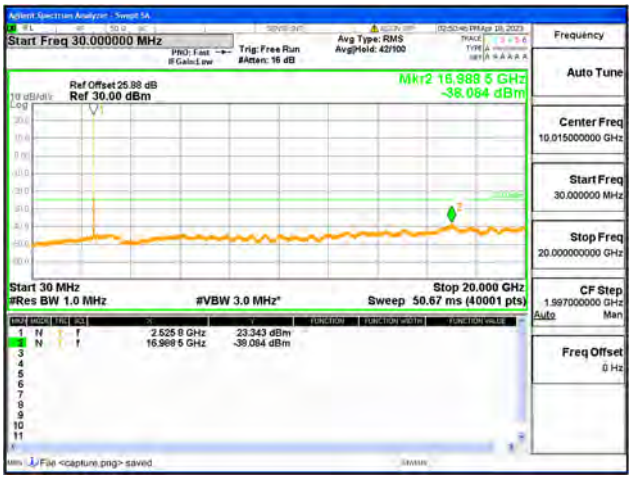
Band7-20G-26G / 15MHz / High CH / QPSK



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

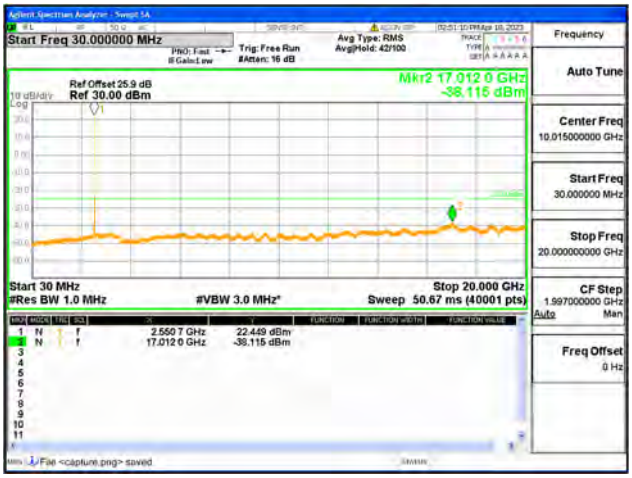


Band7-20G-26G / 20MHz / Low CH / QPSK

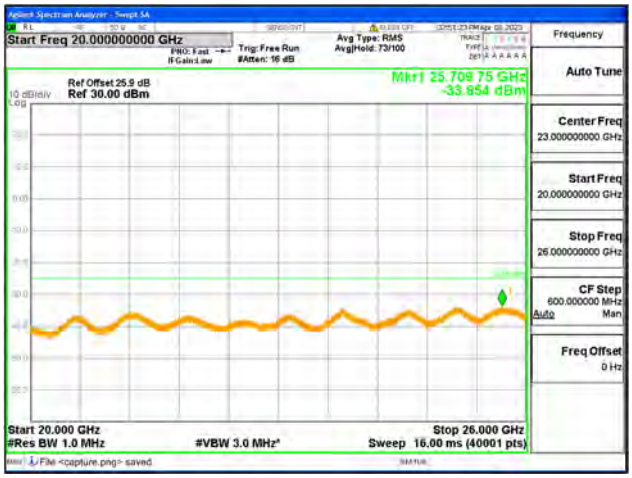


Band7-30M-20G / 20MHz / Mid CH / QPSK

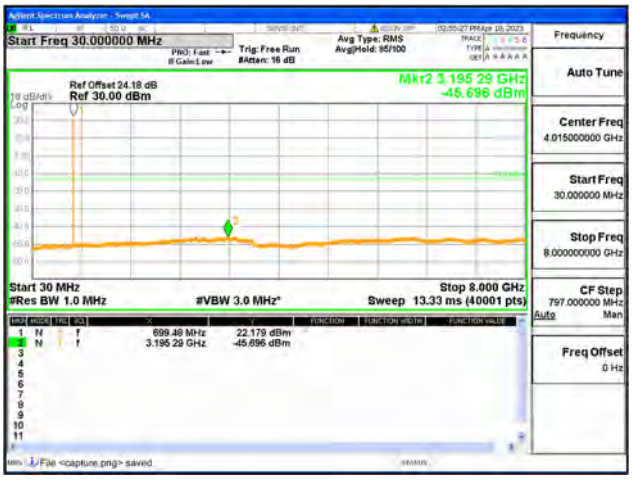
Band7-20G-26G / 20MHz / Mid CH / QPSK



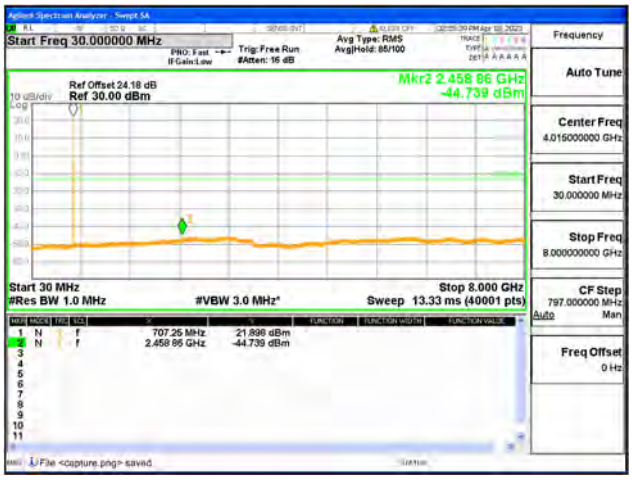
Band7-30M-20G / 20MHz / High CH / QPSK



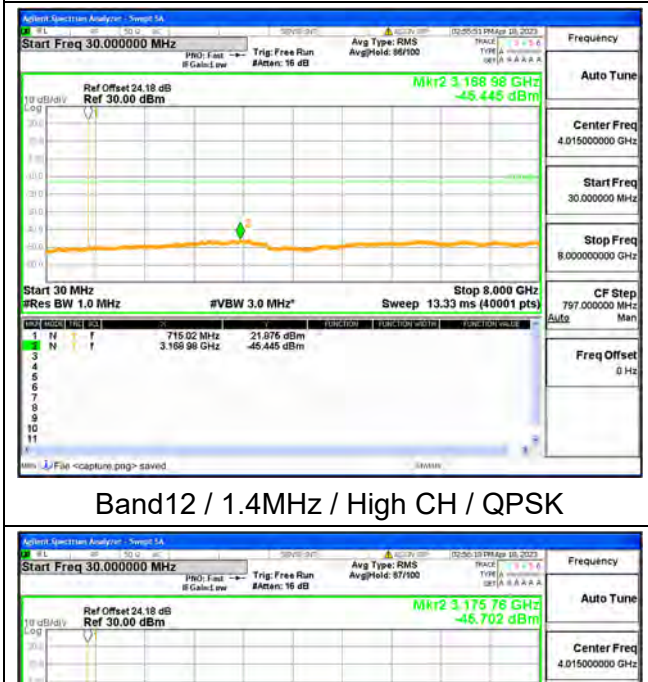
Band7-20G-26G / 20MHz / High CH / QPSK



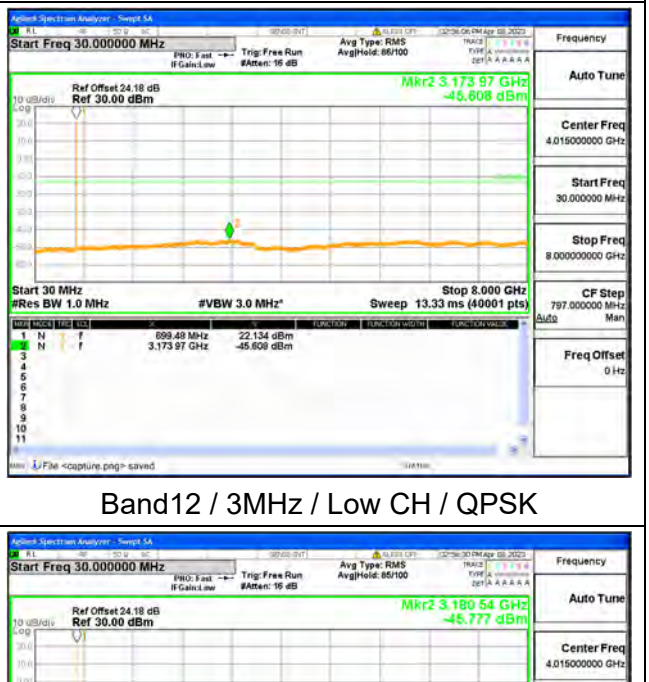
Band12 / 1.4MHz / Low CH / QPSK



Band12 / 1.4MHz / Mid CH / QPSK



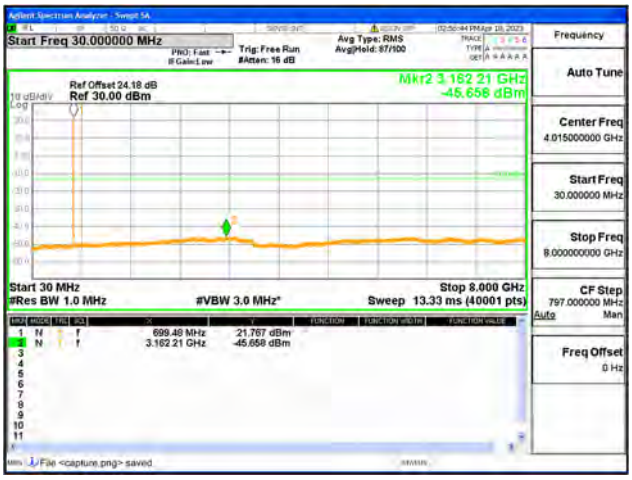
Band12 / 1.4MHz / High CH / QPSK



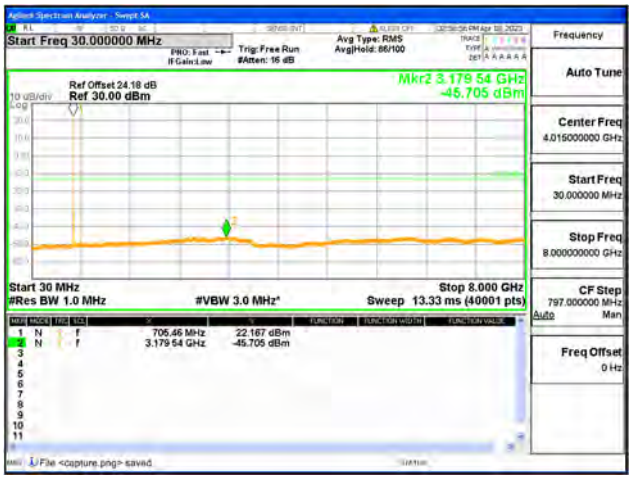
Band12 / 3MHz / Low CH / QPSK

Band12 / 3MHz / Mid CH / QPSK

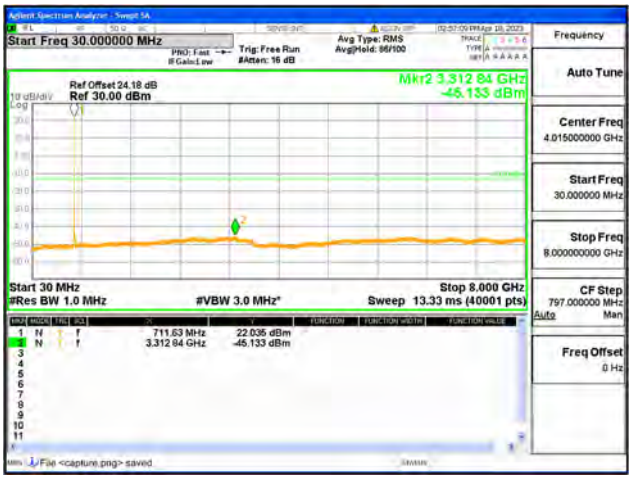
Band12 / 3MHz / High CH / QPSK



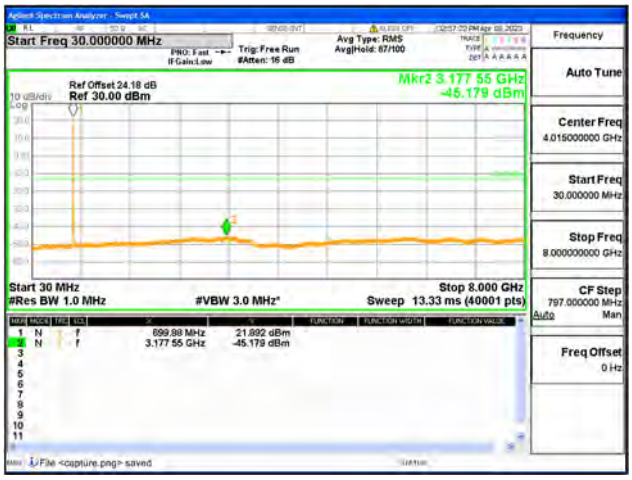
Band12 / 5MHz / Low CH / QPSK



Band12 / 5MHz / Mid CH / QPSK



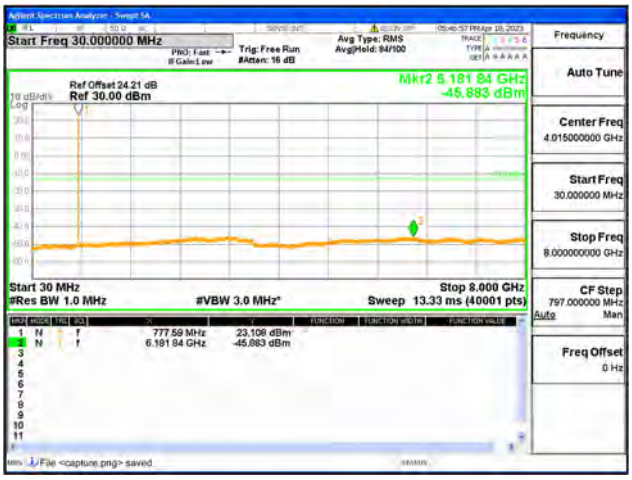
Band12 / 5MHz / High CH / QPSK



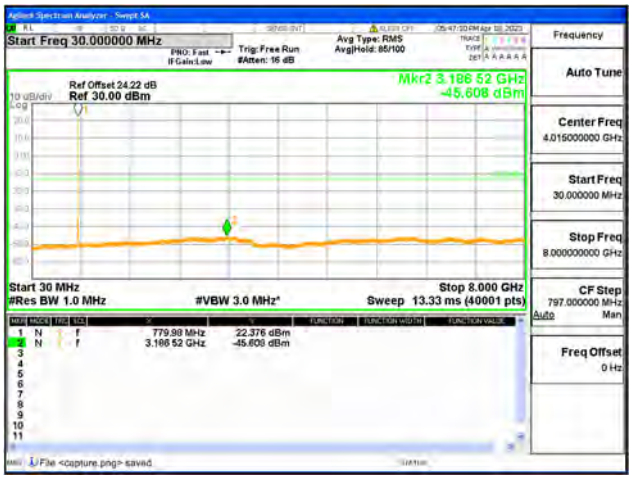
Band12 / 10MHz / Low CH / QPSK

Band12 / 10MHz / Mid CH / QPSK

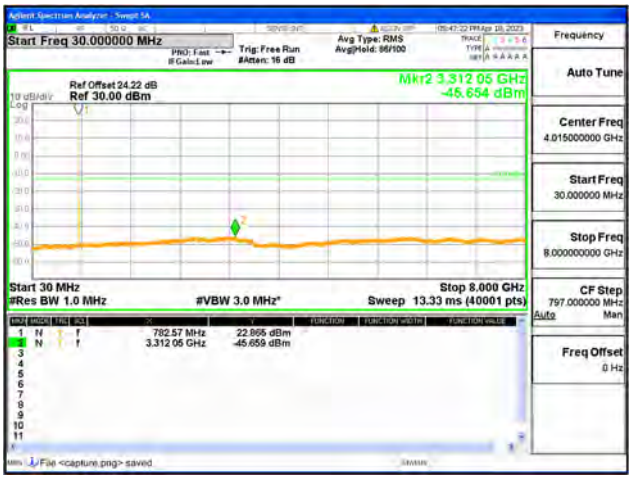
Band12 / 10MHz / High CH / QPSK



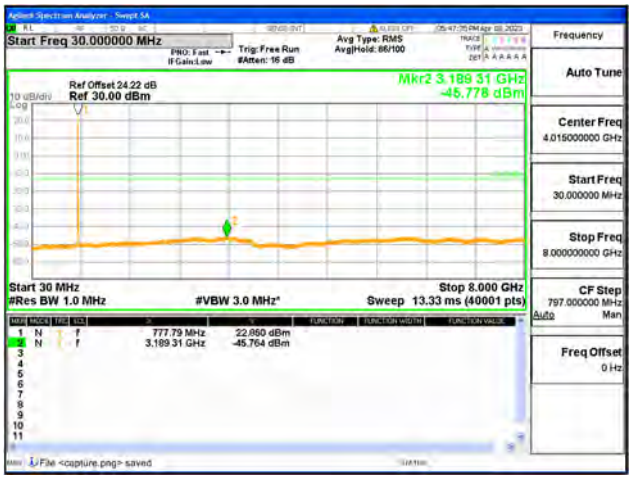
Band13 / 5MHz / Low CH / QPSK



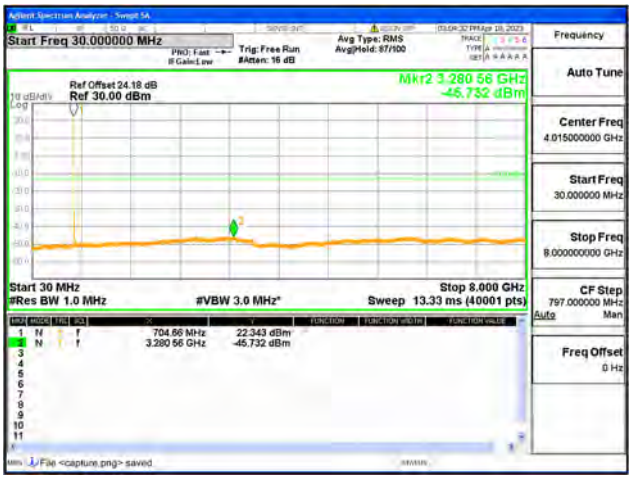
Band13 / 5MHz / Mid CH / QPSK



Band13 / 5MHz / High CH / QPSK

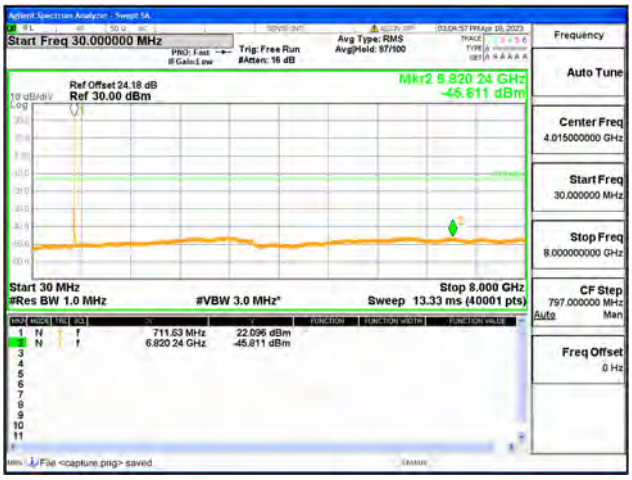


Band13 / 10MHz / Mid CH / QPSK

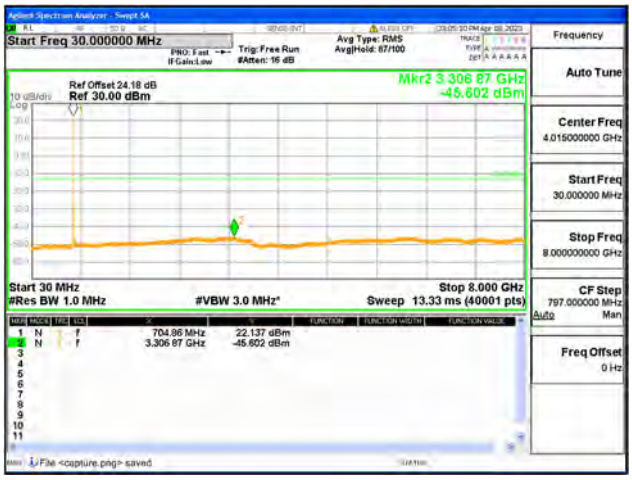


Band17 / 5MHz / Low CH / QPSK

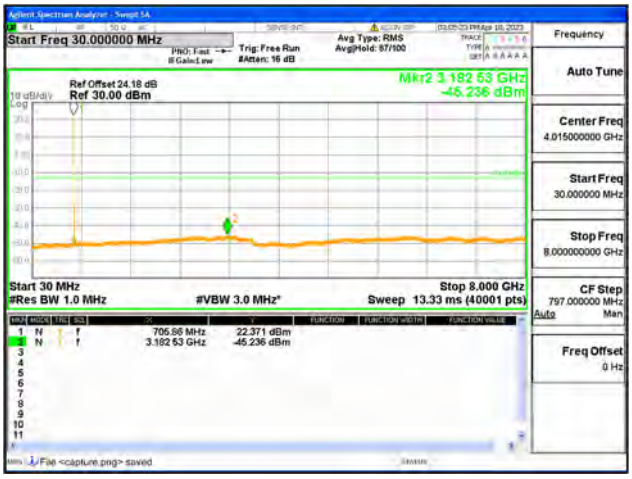
Band17 / 5MHz / Mid CH / QPSK



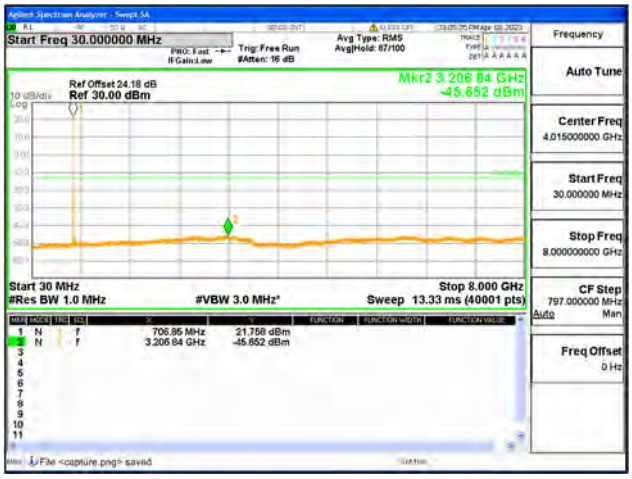
Band17 / 5MHz / High CH / QPSK



Band17 / 10MHz / Low CH / QPSK



Band17 / 10MHz / Mid CH / QPSK

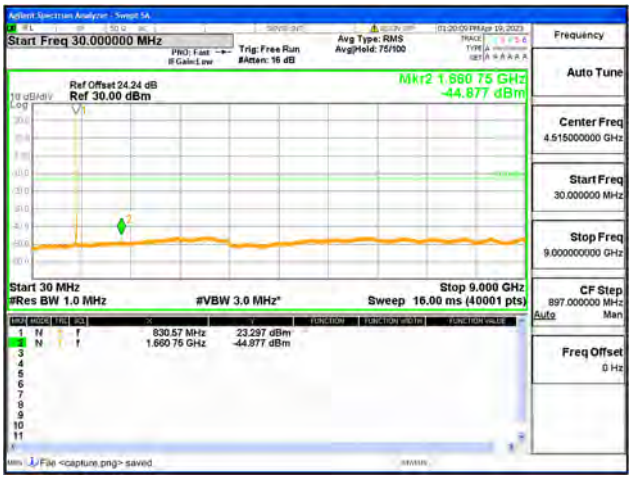


Band17 / 10MHz / High CH / QPSK

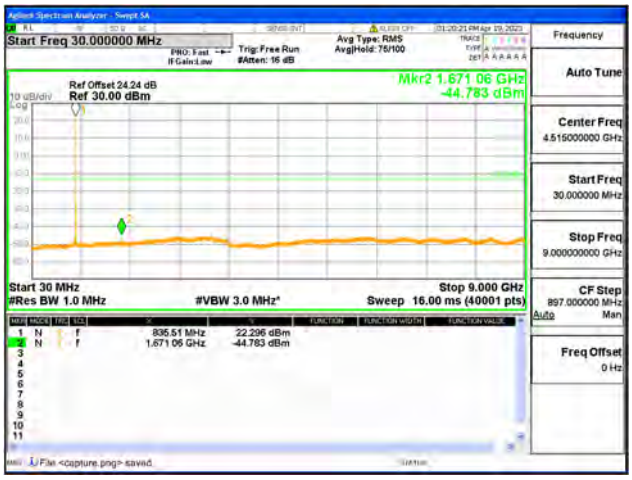
Band18 part22 / 5MHz / Low CH / QPSK

Band18 part22 / 5MHz / Mid CH / QPSK

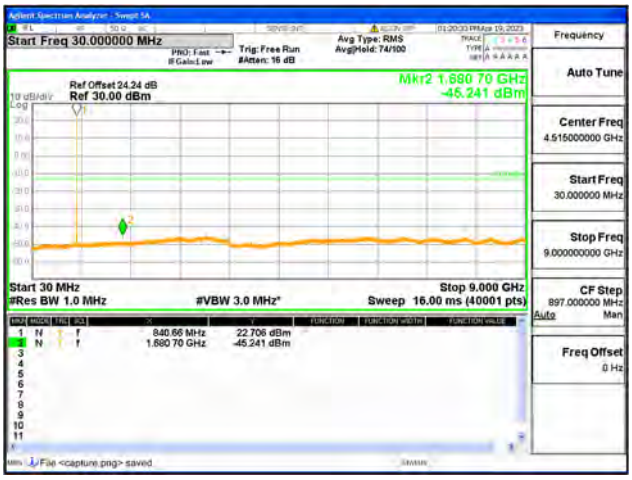
Band18 part22 / 5MHz / High CH / QPSK



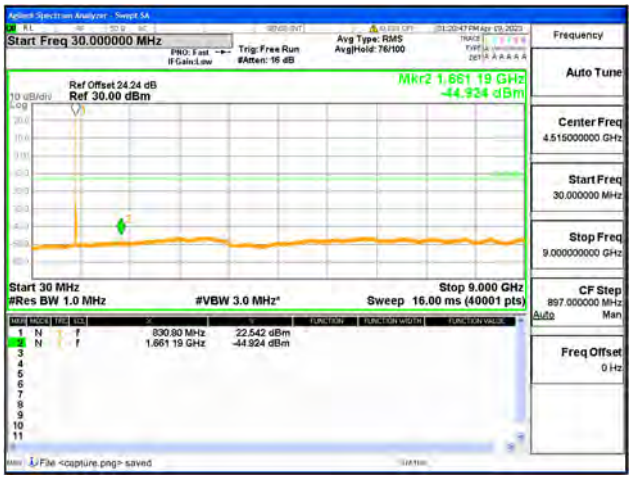
Band19 / 5MHz / Low CH / QPSK



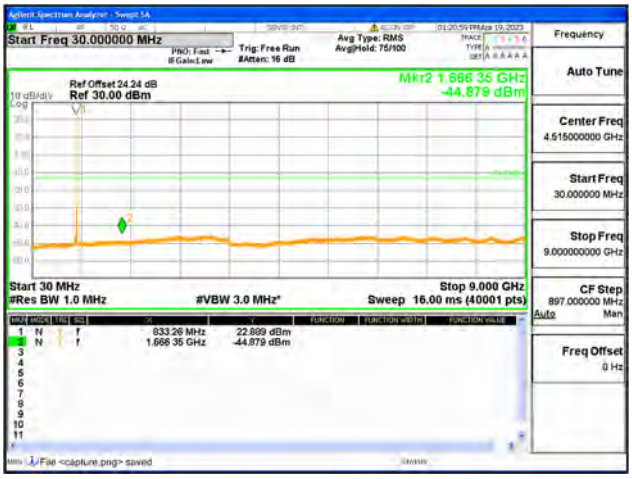
Band19 / 5MHz / Mid CH / QPSK



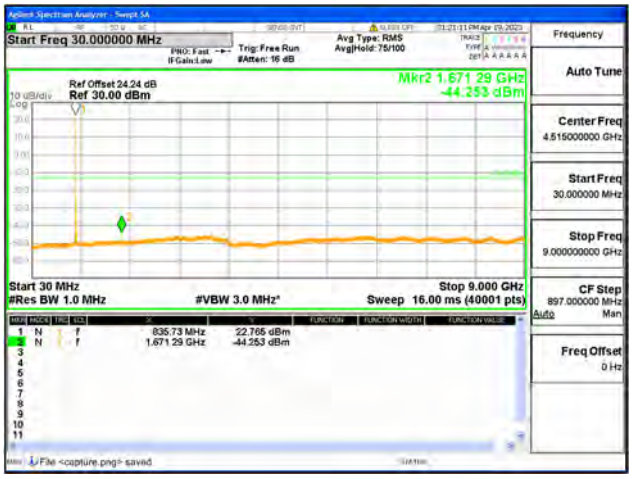
Band19 / 5MHz / High CH / QPSK



Band19 / 10MHz / Low CH / QPSK



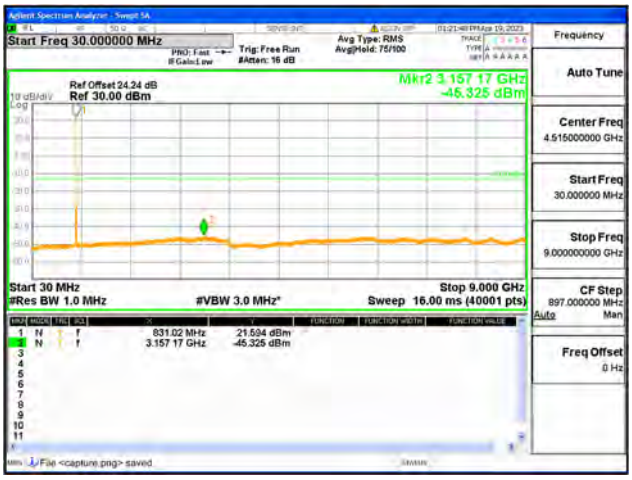
Band19 / 10MHz / Mid CH / QPSK



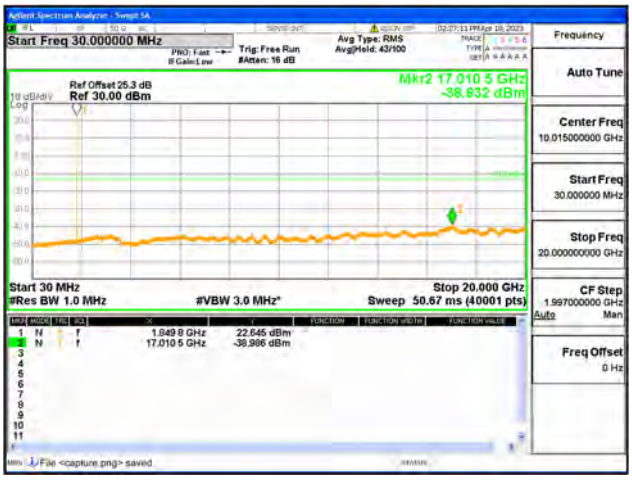
Band19 / 10MHz / High CH / QPSK

Band19 / 15MHz / Low CH / QPSK

Band19 / 15MHz / Mid CH / QPSK

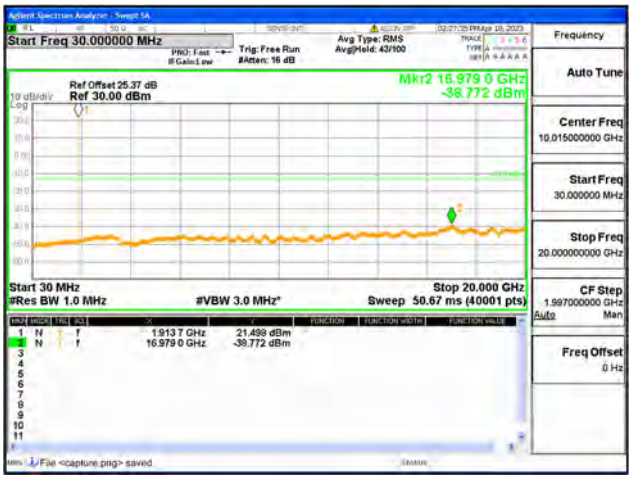


Band19 / 15MHz / High CH / QPSK



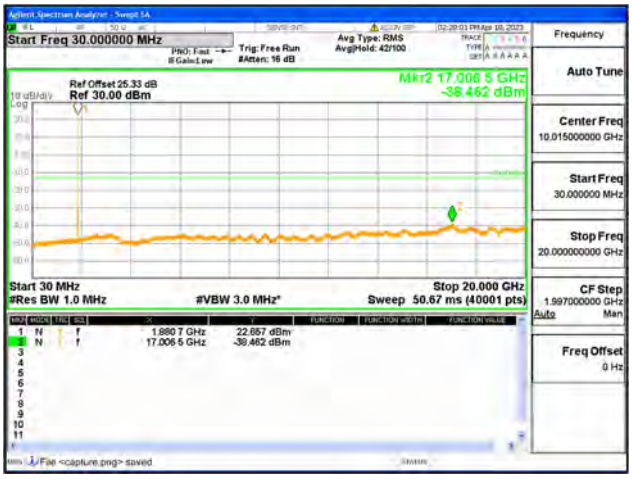
Band25 / 1.4MHz / Low CH / QPSK

Band25 / 1.4MHz / Mid CH / QPSK



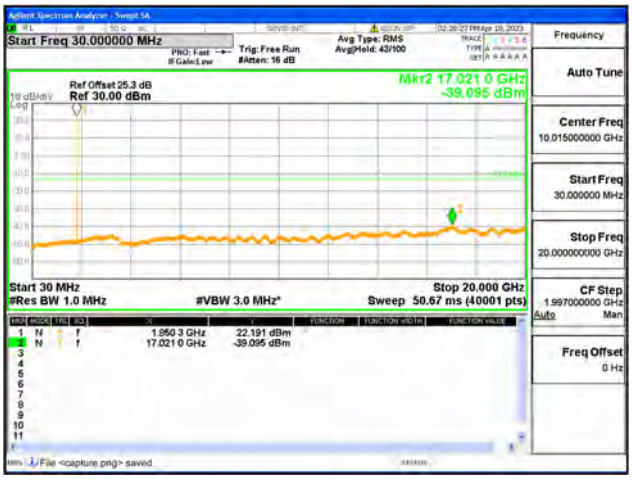
Band25 / 1.4MHz / High CH / QPSK

Band25 / 3MHz / Low CH / QPSK



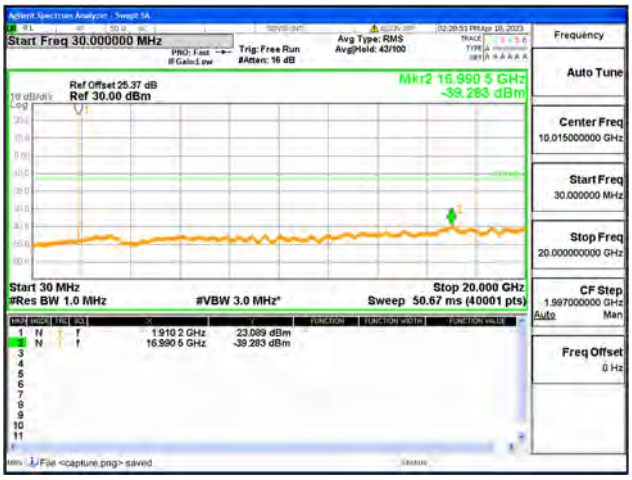
Band25 / 3MHz / Mid CH / QPSK

Band25 / 3MHz / High CH / QPSK



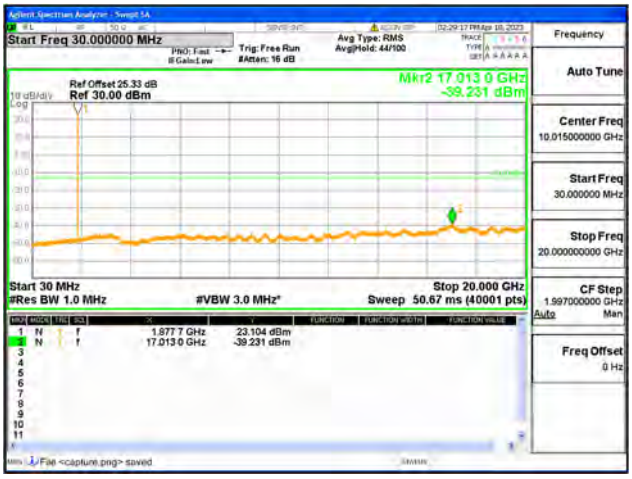
Band25 / 5MHz / Low CH / QPSK

Band25 / 5MHz / Mid CH / QPSK



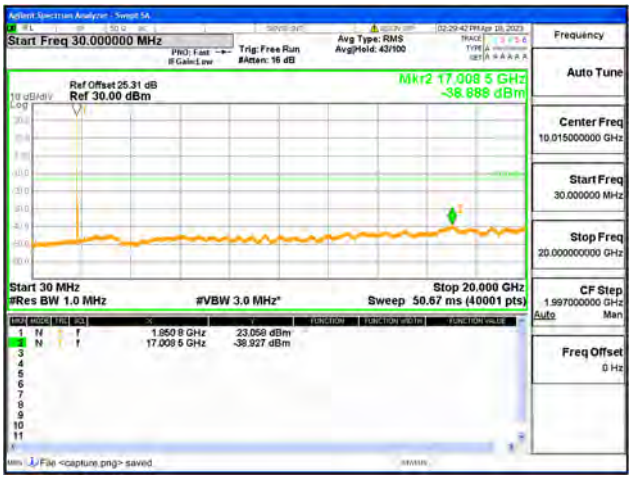
Band25 / 5MHz / High CH / QPSK

Band25 / 10MHz / Low CH / QPSK



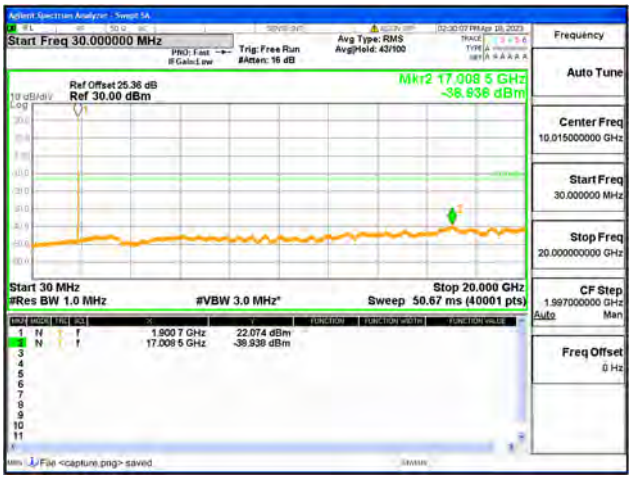
Band25 / 10MHz / Mid CH / QPSK

Band25 / 10MHz / High CH / QPSK



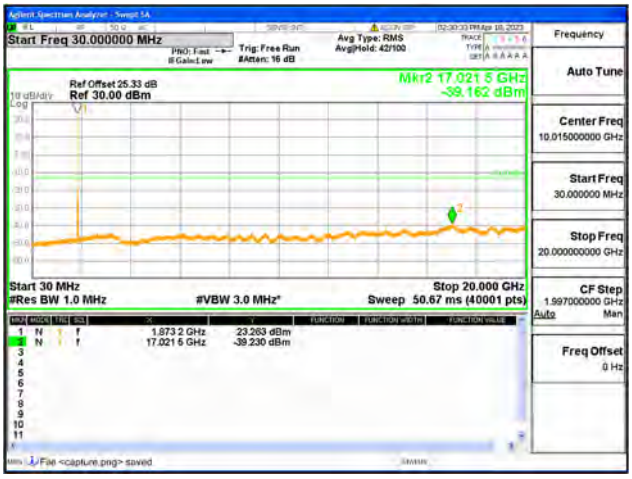
Band25 / 15MHz / Low CH / QPSK

Band25 / 15MHz / Mid CH / QPSK



Band25 / 15MHz / High CH / QPSK

Band25 / 20MHz / Low CH / QPSK



Band25 / 20MHz / Mid CH / QPSK

Band25 / 20MHz / High CH / QPSK