



Band4 / 3MHz / Mid CH / QPSK



Band4 / 3MHz / Mid CH / 16QAM



Band4 / 3MHz / Mid CH / 64QAM



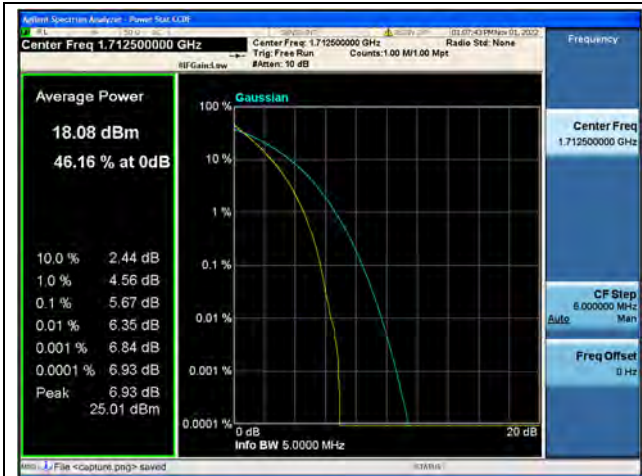
Band4 / 3MHz / High CH / QPSK



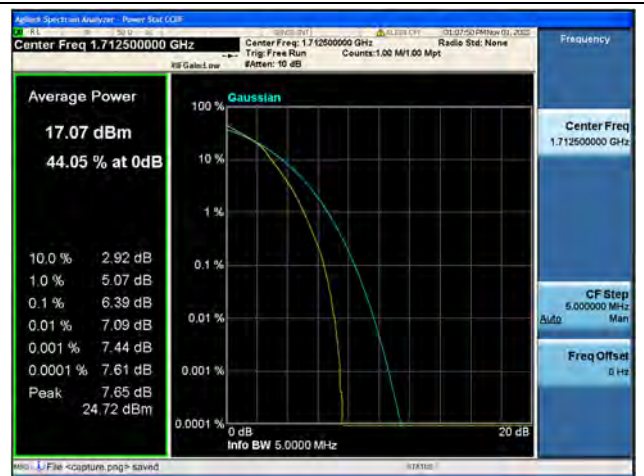
Band4 / 3MHz / High CH / 16QAM



Band4 / 3MHz / High CH / 64QAM



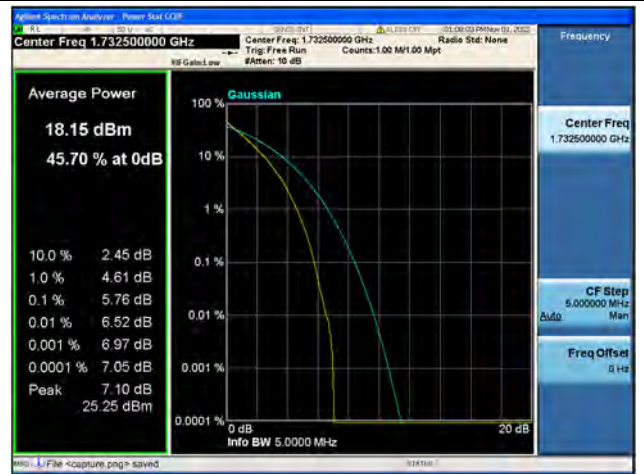
Band4 / 5MHz / Low CH / QPSK



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



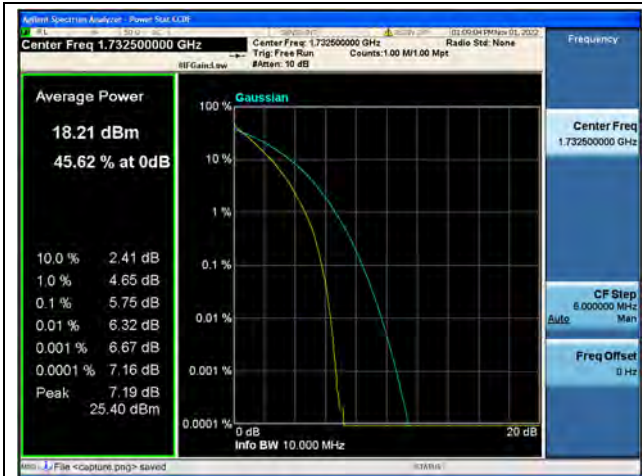
Band4 / 10MHz / Low CH / QPSK



Band4 / 10MHz / Low CH / 16QAM



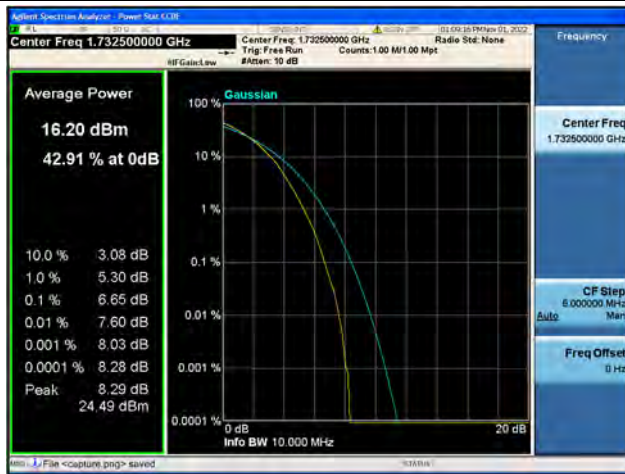
Band4 / 10MHz / Low CH / 64QAM



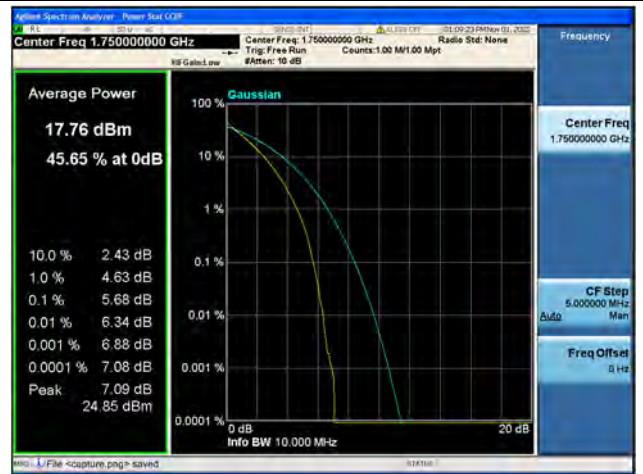
Band4 / 10MHz / Mid CH / QPSK



Band4 / 10MHz / Mid CH / 16QAM



Band4 / 10MHz / Mid CH / 64QAM



Band4 / 10MHz / High CH / QPSK



Band4 / 10MHz / High CH / 16QAM



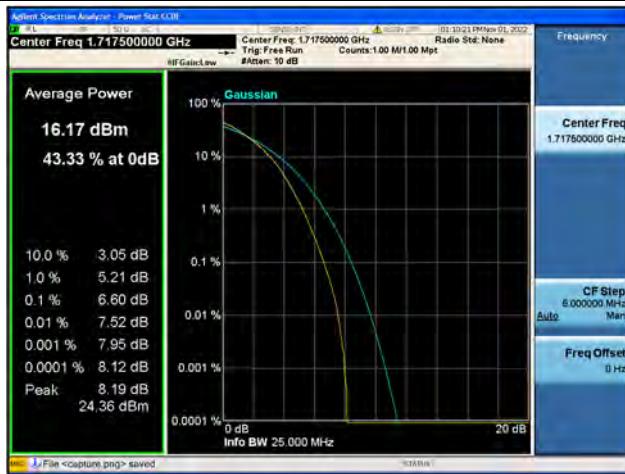
Band4 / 10MHz / High CH / 64QAM



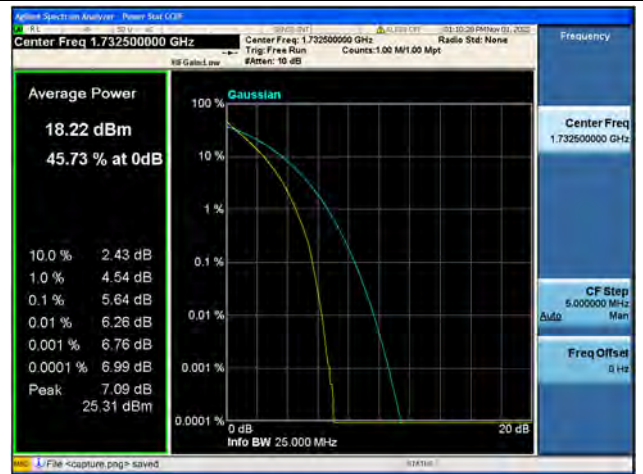
Band4 / 15MHz / Low CH / QPSK



Band4 / 15MHz / Low CH / 16QAM



Band4 / 15MHz / Low CH / 64QAM



Band4 / 15MHz / Mid CH / QPSK



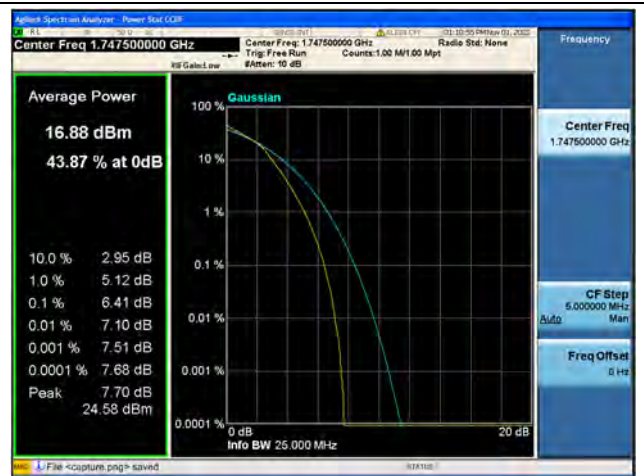
Band4 / 15MHz / Mid CH / 16QAM



Band4 / 15MHz / Mid CH / 64QAM



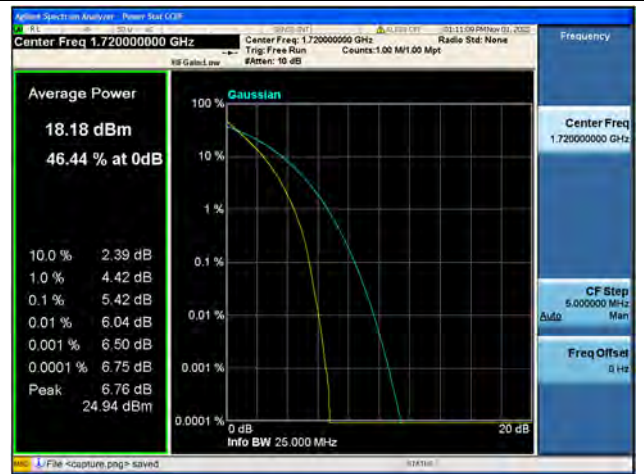
Band4 / 15MHz / High CH / QPSK



Band4 / 15MHz / High CH / 16QAM



Band4 / 15MHz / High CH / 64QAM



Band4 / 20MHz / Low CH / QPSK



Band4 / 20MHz / Low CH / 16QAM



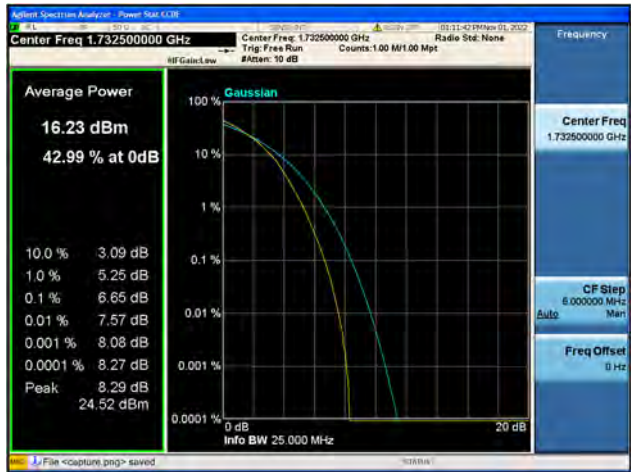
Band4 / 20MHz / Low CH / 64QAM



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



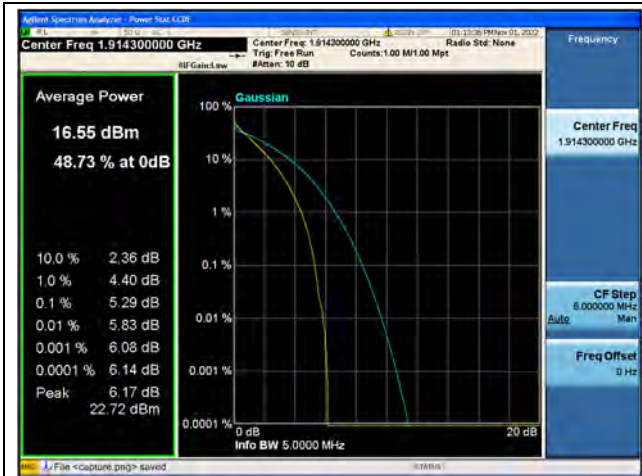
Band25 / 1.4MHz / Mid CH / QPSK



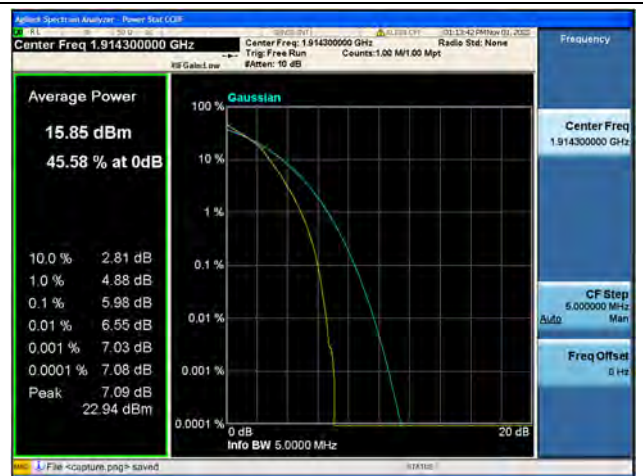
Band25 / 1.4MHz / Mid CH / 16QAM



Band25 / 1.4MHz / Mid CH / 64QAM



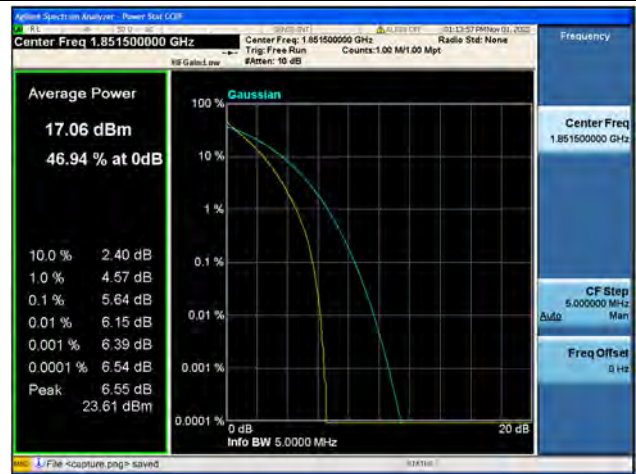
Band25 / 1.4MHz / High CH / QPSK



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



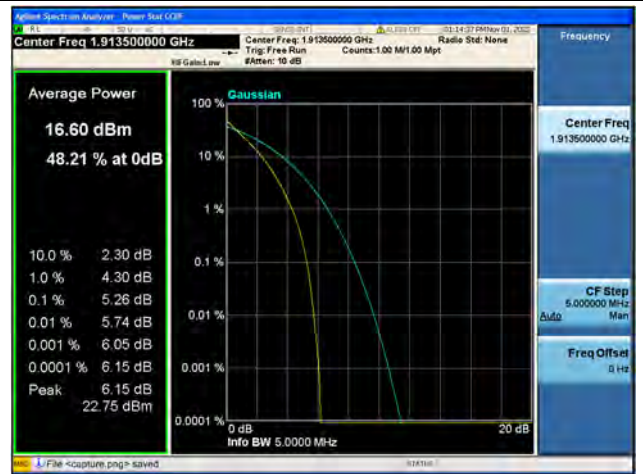
Band25 / 3MHz / Mid CH / QPSK



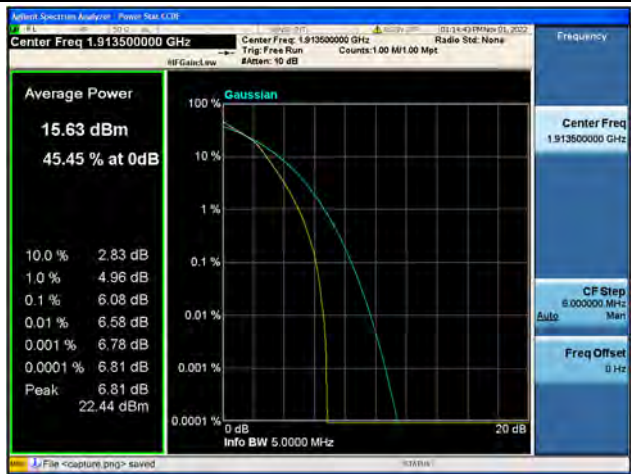
Band25 / 3MHz / Mid CH / 16QAM



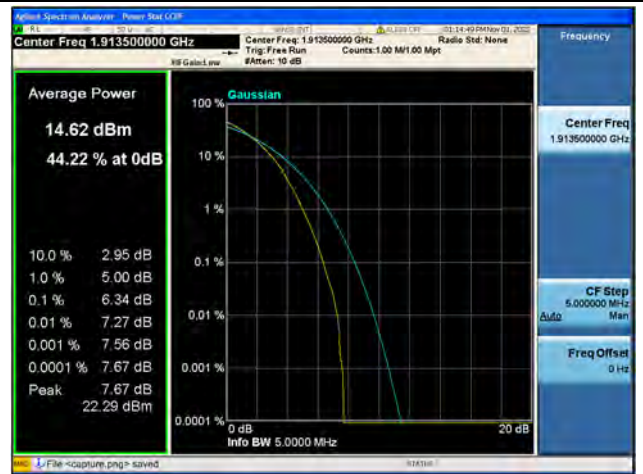
Band25 / 3MHz / Mid CH / 64QAM



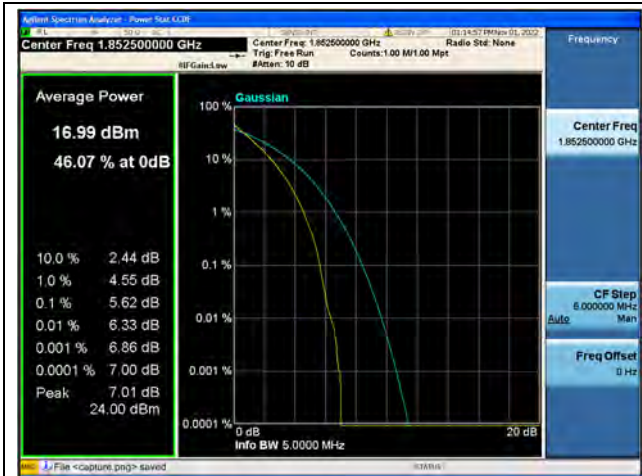
Band25 / 3MHz / High CH / QPSK



Band25 / 3MHz / High CH / 16QAM



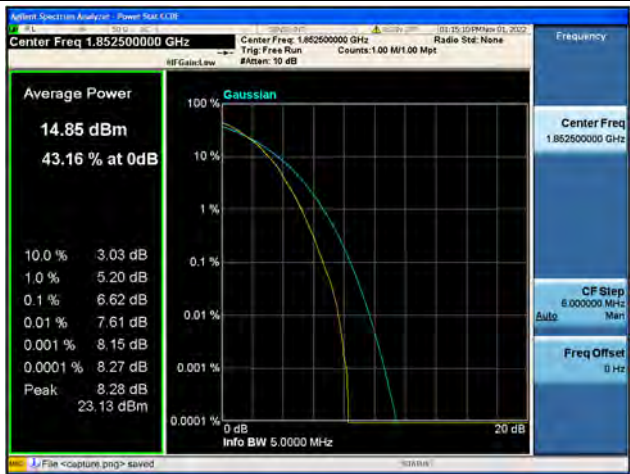
Band25 / 3MHz / High CH / 64QAM



Band25 / 5MHz / Low CH / QPSK



Band25 / 5MHz / Low CH / 16QAM



Band25 / 5MHz / Low CH / 64QAM



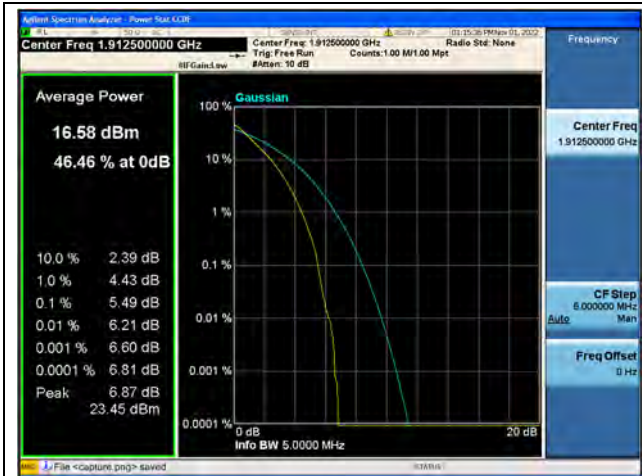
Band25 / 5MHz / Mid CH / QPSK



Band25 / 5MHz / Mid CH / 16QAM



Band25 / 5MHz / Mid CH / 64QAM



Band25 / 5MHz / High CH / QPSK



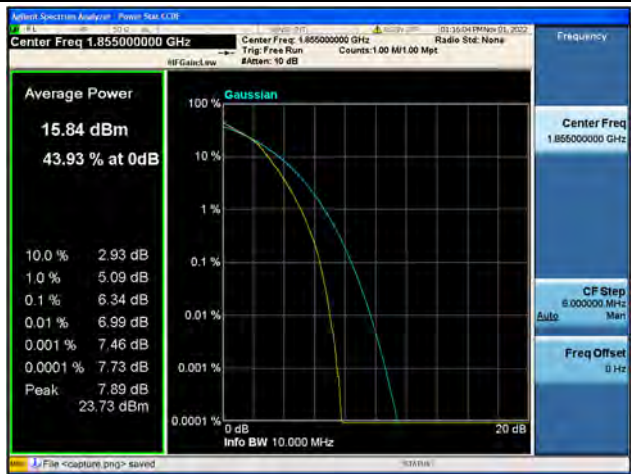
Band25 / 5MHz / High CH / 16QAM



Band25 / 5MHz / High CH / 64QAM



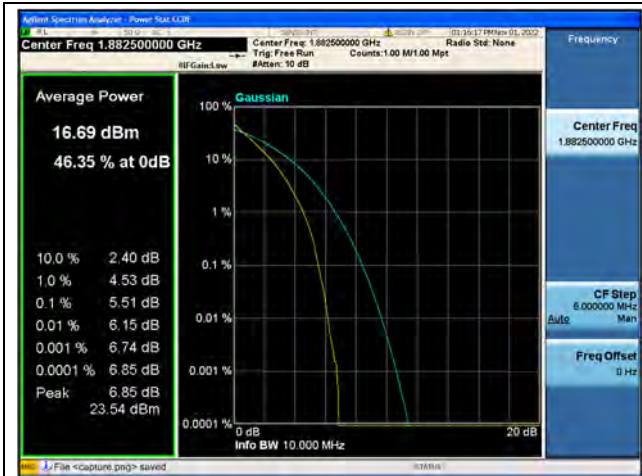
Band25 / 10MHz / Low CH / QPSK



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



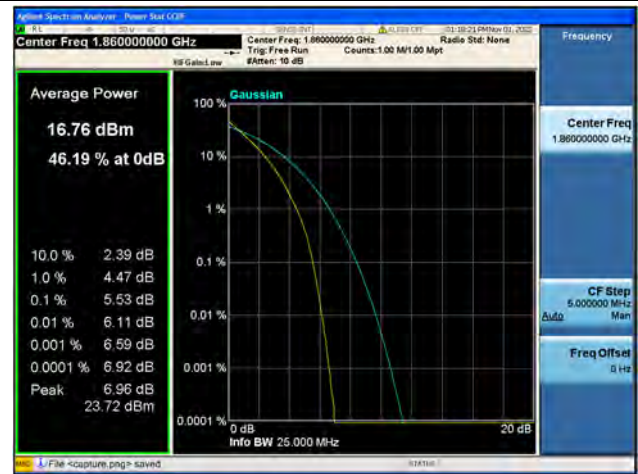
Band25 / 15MHz / High CH / QPSK



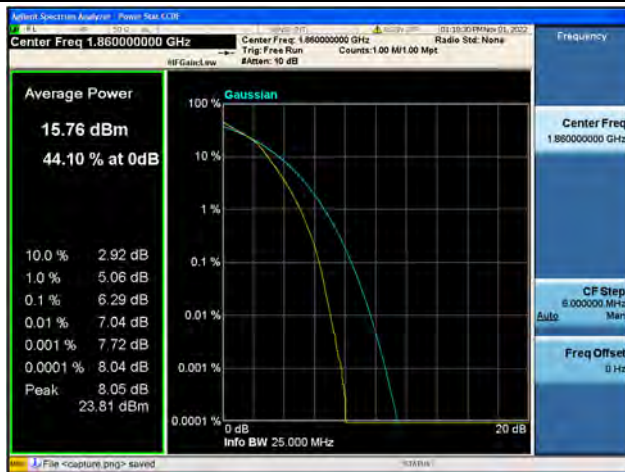
Band25 / 15MHz / High CH / 16QAM



Band25 / 15MHz / High CH / 64QAM



Band25 / 20MHz / Low CH / QPSK



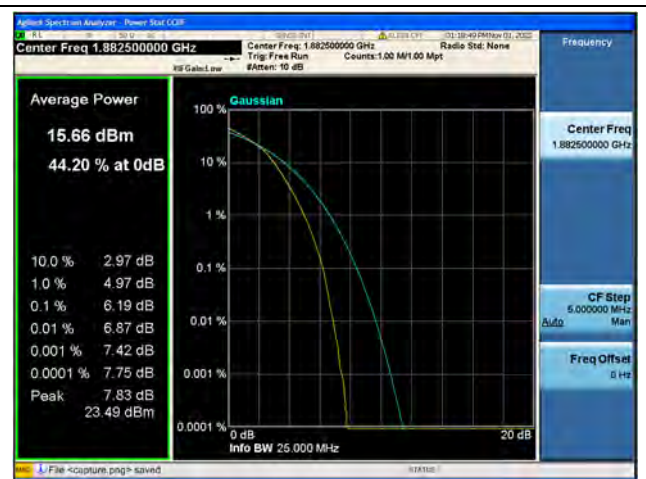
Band25 / 20MHz / Low CH / 16QAM



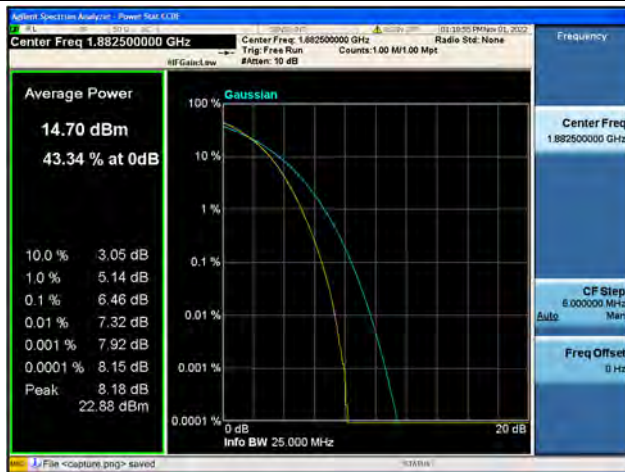
Band25 / 20MHz / Low CH / 64QAM



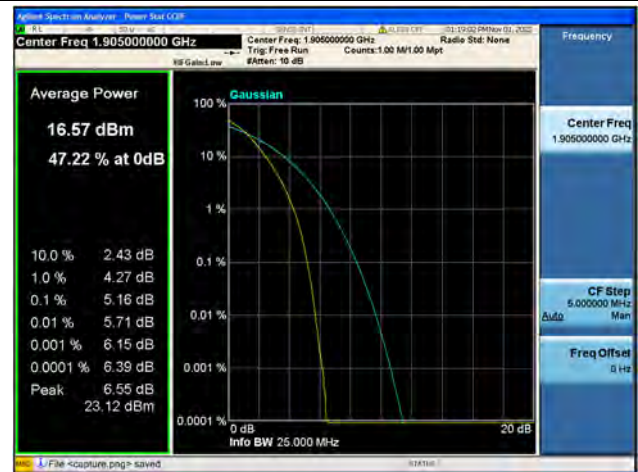
Band25 / 20MHz / Mid CH / QPSK



Band25 / 20MHz / Mid CH / 16QAM



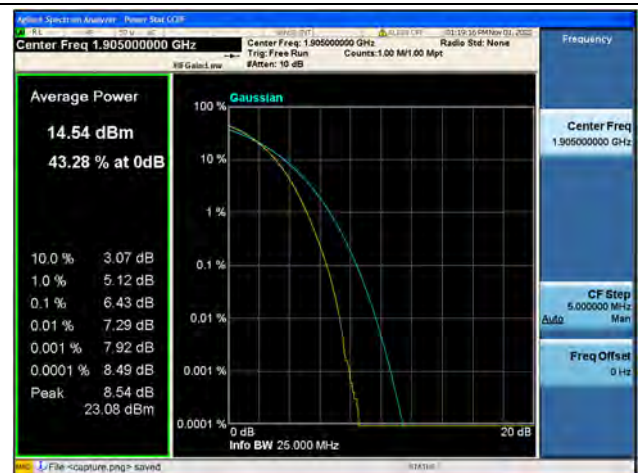
Band25 / 20MHz / Mid CH / 64QAM



Band25 / 20MHz / High CH / QPSK



Band25 / 20MHz / High CH / 16QAM



Band25 / 20MHz / High CH / 64QAM



Band42(3450~3550) / 5MHz / Low CH / QPSK



Band42(3450~3550) / 5MHz / Low CH / 16QAM



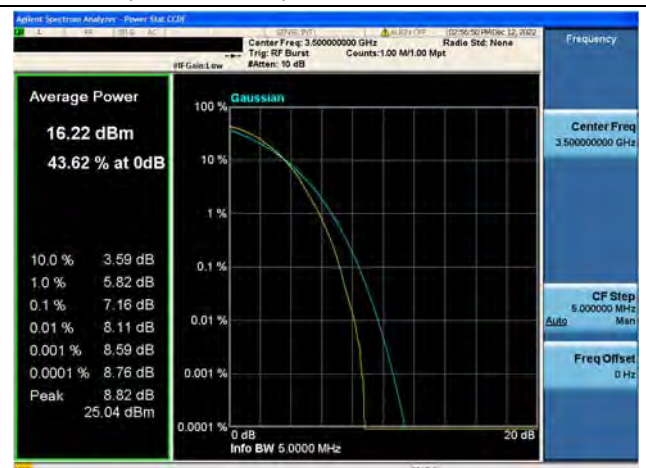
Band42(3450~3550) / 5MHz / Low CH / 64QAM



Band42(3450~3550) / 5MHz / Mid CH / QPSK



Band42(3450~3550) / 5MHz / Mid CH / 16QAM



Band42(3450~3550) / 5MHz / Mid CH / 64QAM



Band42(3450~3550) / 5MHz / High CH / QPSK



Band42(3450~3550) / 5MHz / High CH / 16QAM



Band42(3450~3550) / 5MHz / High CH / 64QAM



Band42(3450~3550) / 10MHz / Low CH / QPSK



Band42(3450~3550) / 10MHz / Low CH / 16QAM



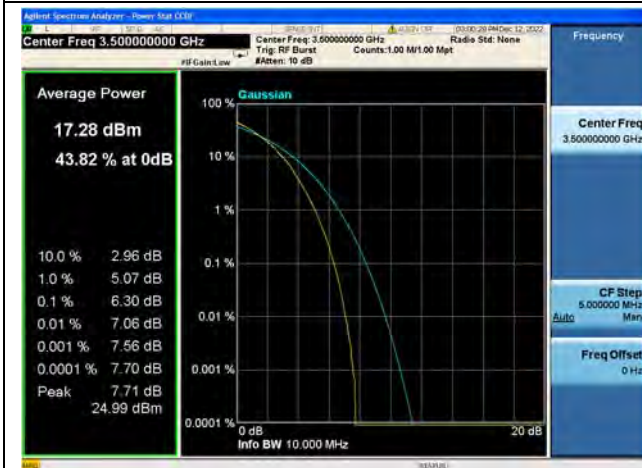
Band42(3450~3550) / 10MHz / Low CH / 64QAM



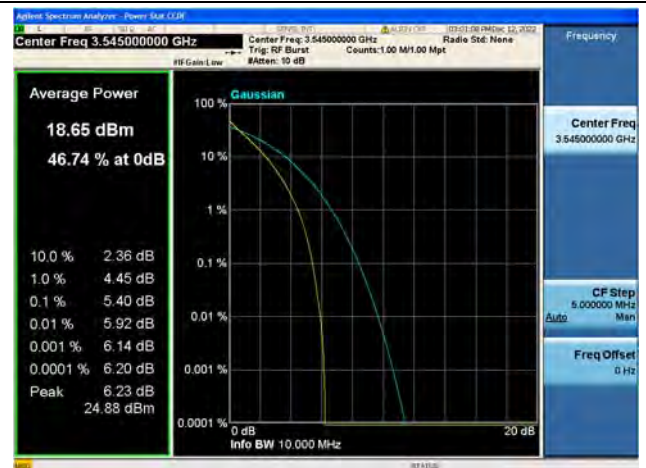
Band2(3450~3550) / 10MHz / Mid CH / QPSK



Band2(3450~3550) / 10MHz / Mid CH / 16QAM



Band2(3450~3550) / 10MHz / Mid CH / 64QAM



Band2(3450~3550) / 10MHz / High CH / QPSK



Band2(3450~3550) / 10MHz / High CH / 16QAM



Band2(3450~3550) / 10MHz / High CH / 64QAM



Band42(3450~3550) / 15MHz / Low CH / QPSK



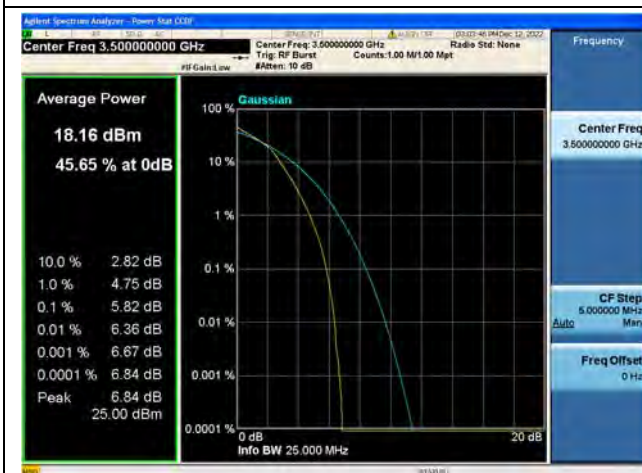
Band42(3450~3550) / 15MHz / Low CH / 16QAM



Band42(3450~3550) / 15MHz / Low CH / 64QAM



Band42(3450~3550) / 15MHz / Mid CH / QPSK



Band42(3450~3550) / 15MHz / Mid CH / 16QAM



Band42(3450~3550) / 15MHz / Mid CH / 64QAM



Band42(3450~3550) / 15MHz / High CH / QPSK



Band42(3450~3550) / 15MHz / High CH / 16QAM



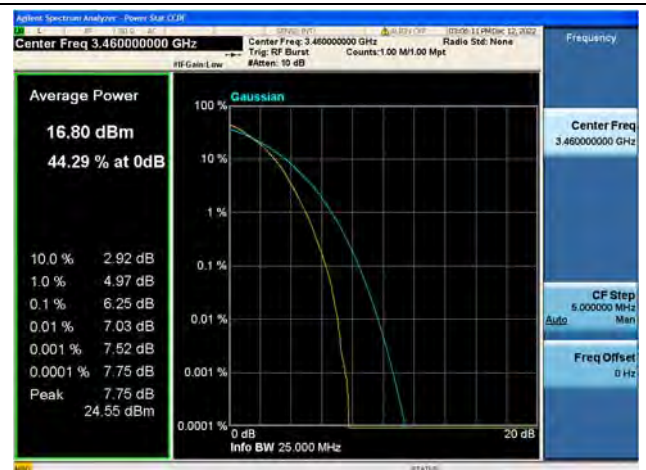
Band42(3450~3550) / 15MHz / High CH / 64QAM



Band42(3450~3550) / 20MHz / Low CH / QPSK



Band42(3450~3550) / 20MHz / Low CH / 16QAM



Band42(3450~3550) / 20MHz / Low CH / 64QAM



Band42(3450~3550) / 20MHz / Mid CH / QPSK



Band42(3450~3550) / 20MHz / Mid CH / 16QAM



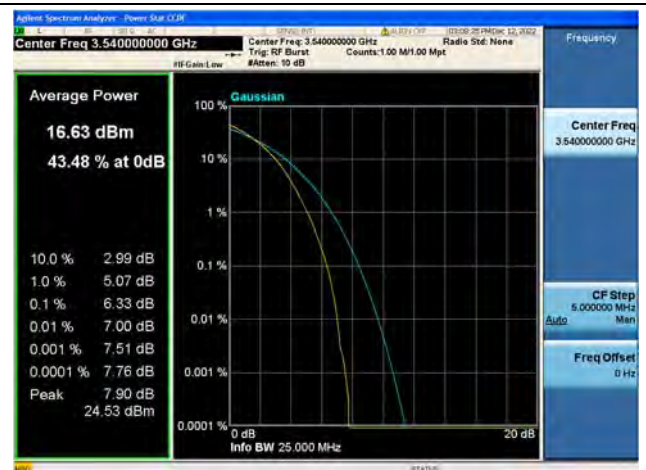
Band42(3450~3550) / 20MHz / Mid CH / 64QAM



Band42(3450~3550) / 20MHz / High CH / QPSK



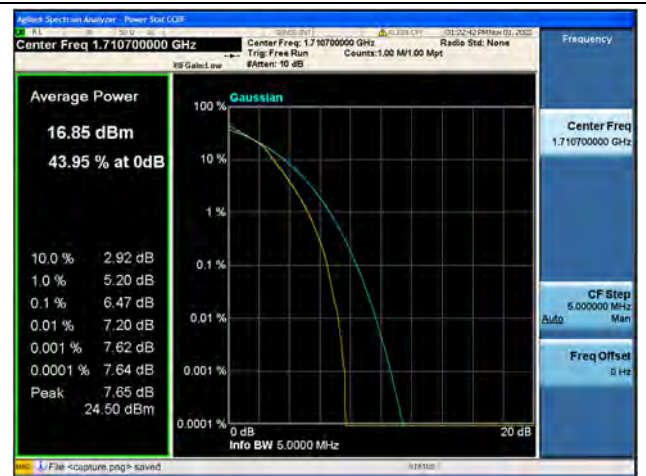
Band42(3450~3550) / 20MHz / High CH / 16QAM



Band42(3450~3550) / 20MHz / High CH / 64QAM



Band66 / 1.4MHz / Low CH / QPSK



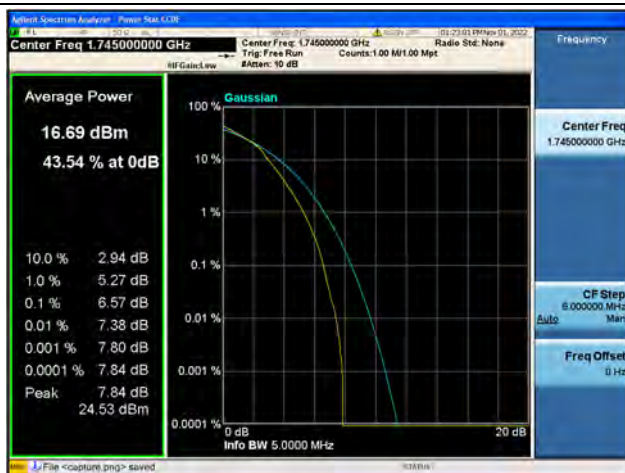
Band66 / 1.4MHz / Low CH / 16QAM



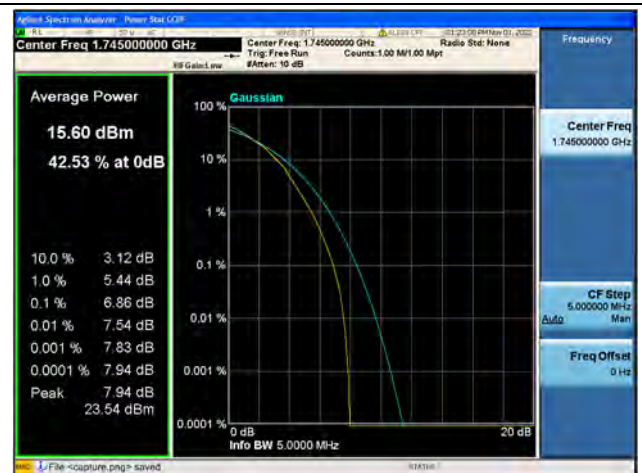
Band66 / 1.4MHz / Low CH / 64QAM



Band66 / 1.4MHz / Mid CH / QPSK



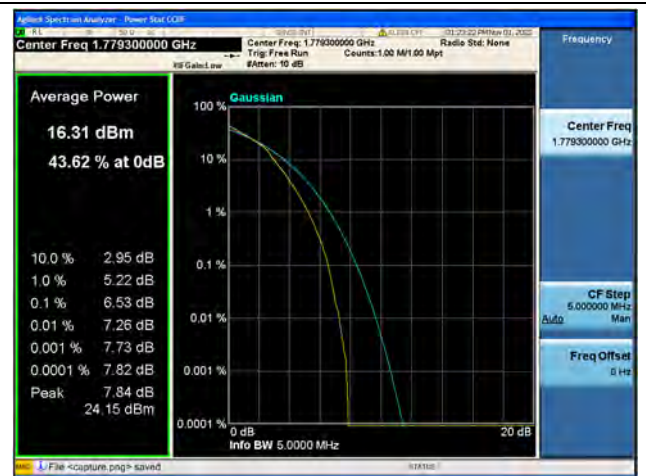
Band66 / 1.4MHz / Mid CH / 16QAM



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



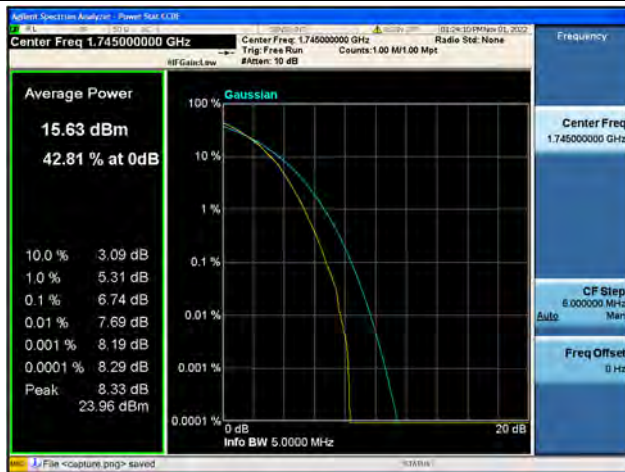
Band66 / 3MHz / Low CH / 64QAM



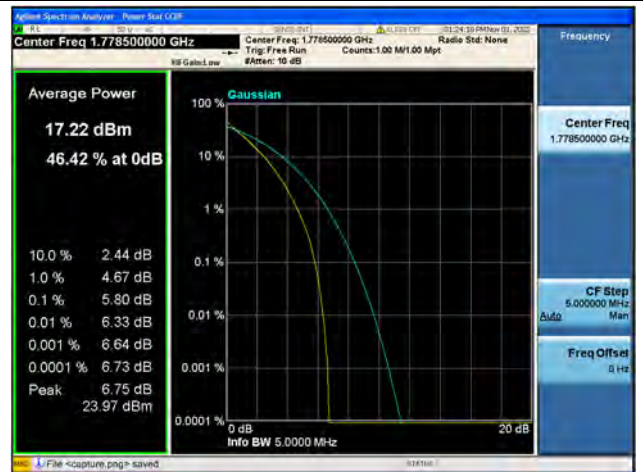
Band66 / 3MHz / Mid CH / QPSK



Band66 / 3MHz / Mid CH / 16QAM



Band66 / 3MHz / Mid CH / 64QAM



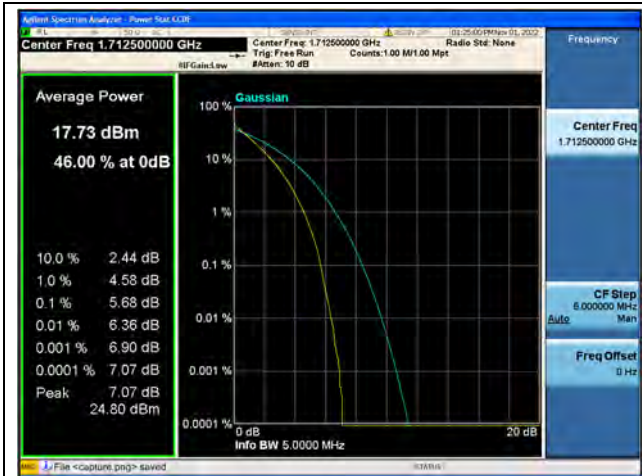
Band66 / 3MHz / High CH / QPSK



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



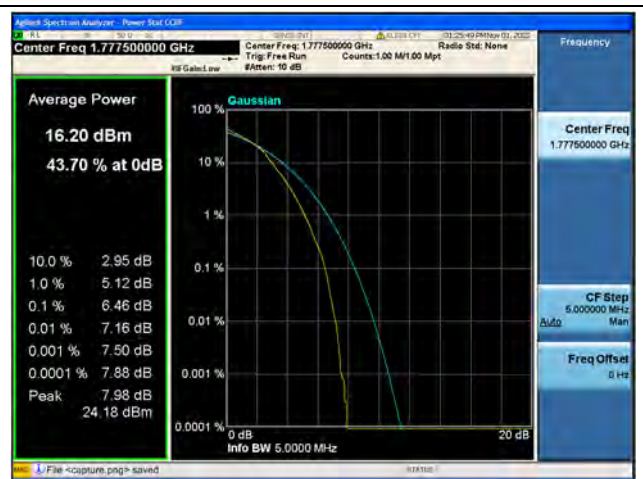
Band66 / 5MHz / Mid CH / 16QAM



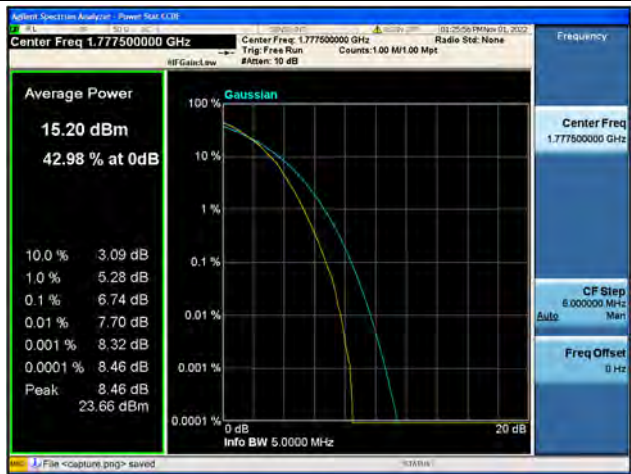
Band66 / 5MHz / Mid CH / 64QAM



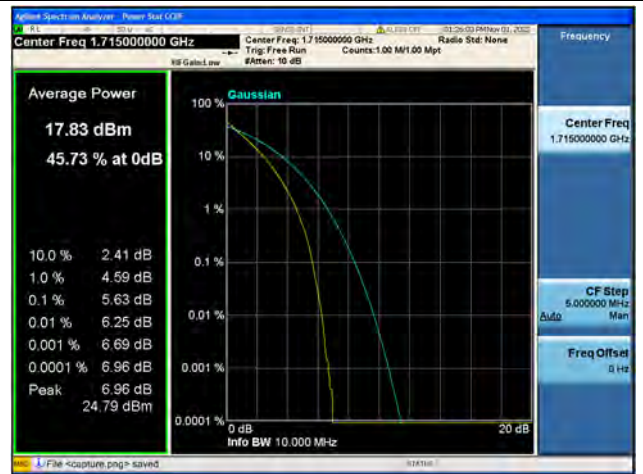
Band66 / 5MHz / High CH / QPSK



Band66 / 5MHz / High CH / 16QAM



Band66 / 5MHz / High CH / 64QAM



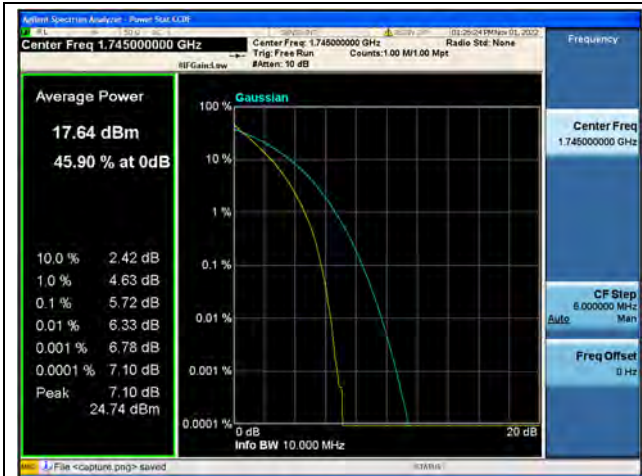
Band66 / 10MHz / Low CH / QPSK



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



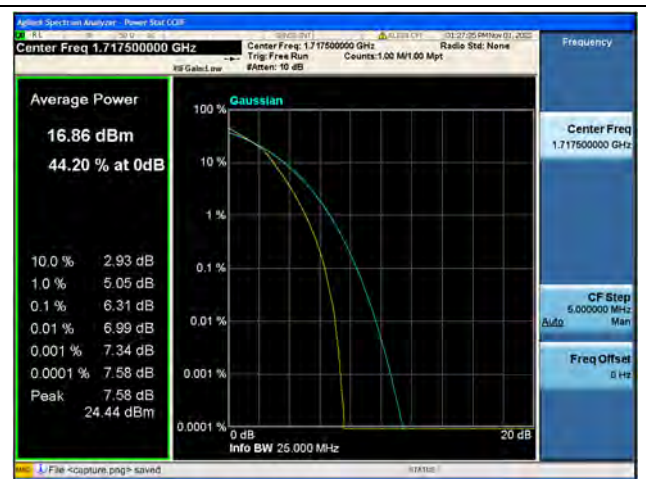
Band66 / 10MHz / High CH / 16QAM



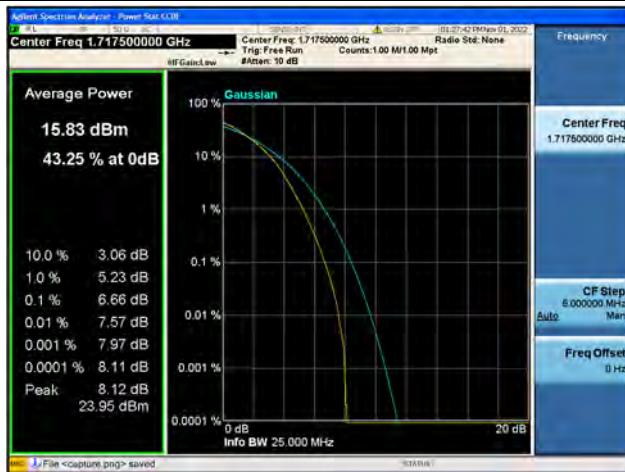
Band66 / 10MHz / High CH / 64QAM



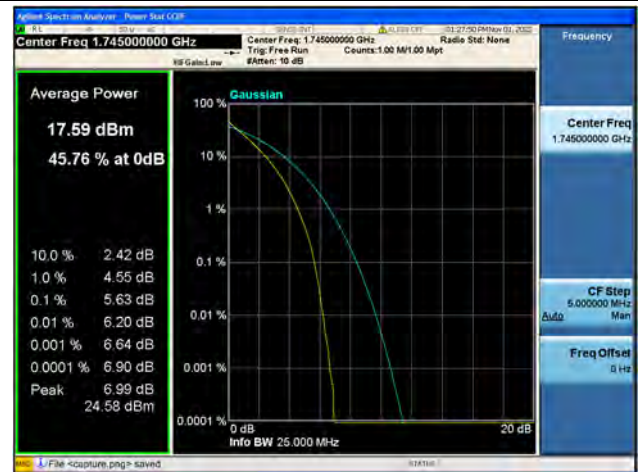
Band66 / 15MHz / Low CH / QPSK



Band66 / 15MHz / Low CH / 16QAM



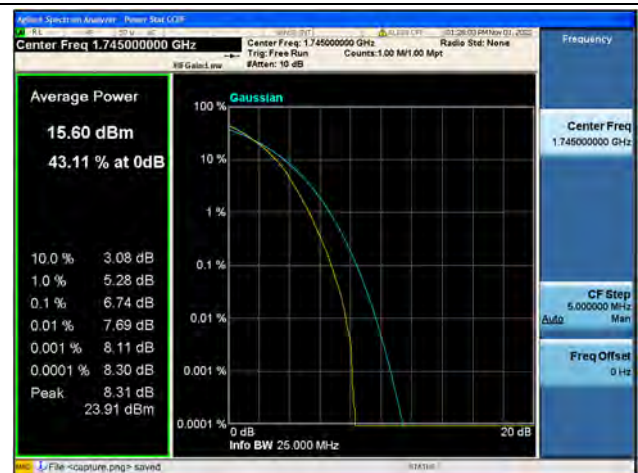
Band66 / 15MHz / Low CH / 64QAM



Band66 / 15MHz / Mid CH / QPSK



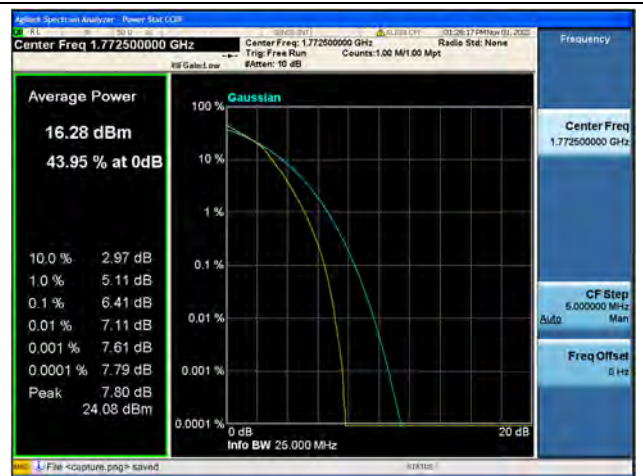
Band66 / 15MHz / Mid CH / 16QAM



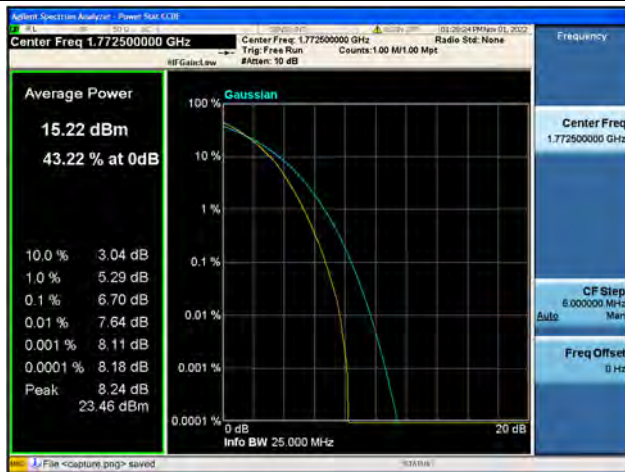
Band66 / 15MHz / Mid CH / 64QAM



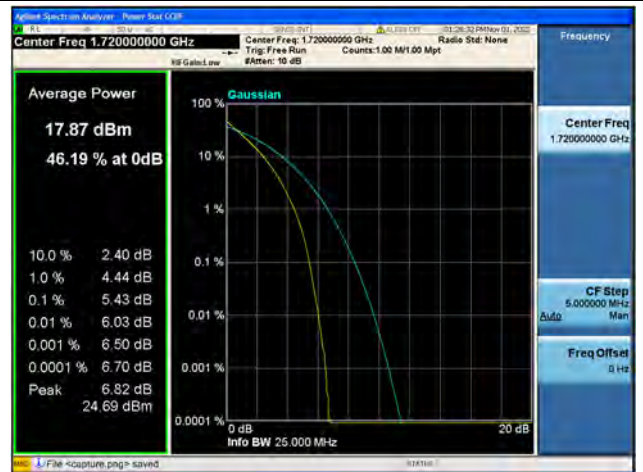
Band66 / 15MHz / High CH / QPSK



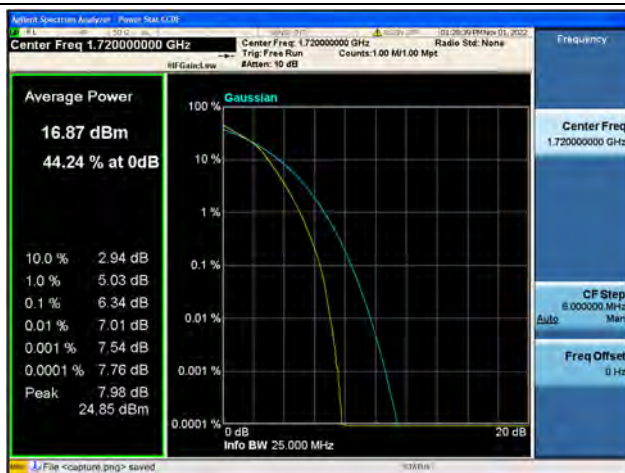
Band66 / 15MHz / High CH / 16QAM



Band66 / 15MHz / High CH / 64QAM



Band66 / 20MHz / Low CH / QPSK



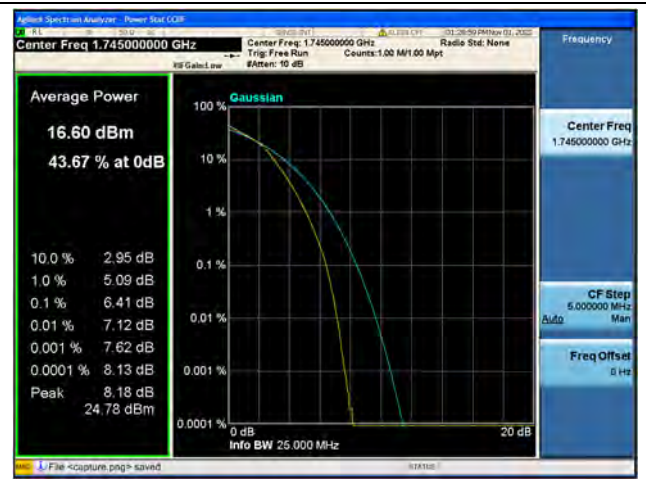
Band66 / 20MHz / Low CH / 16QAM



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

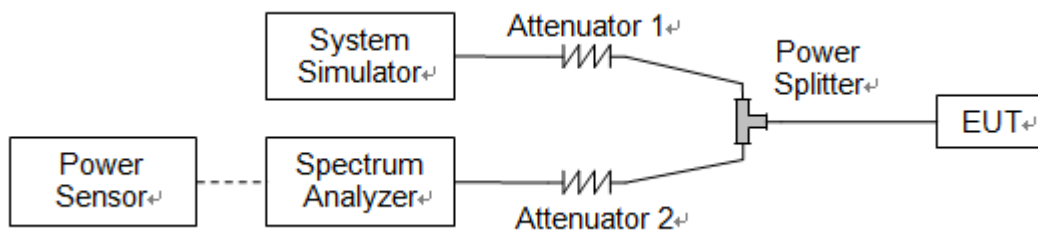
According to FCC section 2.1051, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43+10*\log(P)$ dB. This calculated to be -13dBm.

Additional requirement for LTE Band 7/38/41:

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $55 + 10 \log(P)$ dB. This calculated to be -25dBm.

According to FCC section 27.53(n)(2) for Band 42, For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

2.5.2. Test Description



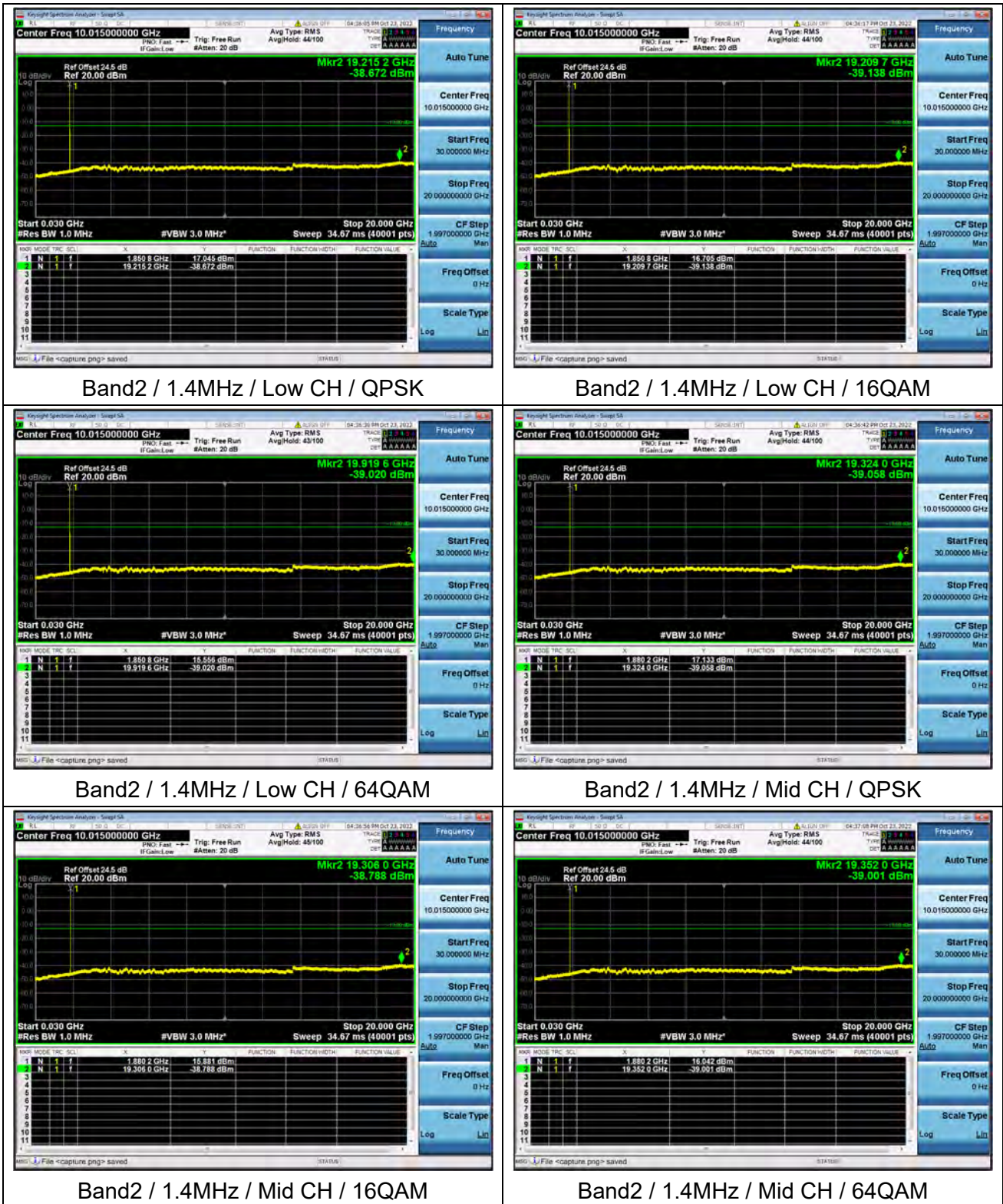
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum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

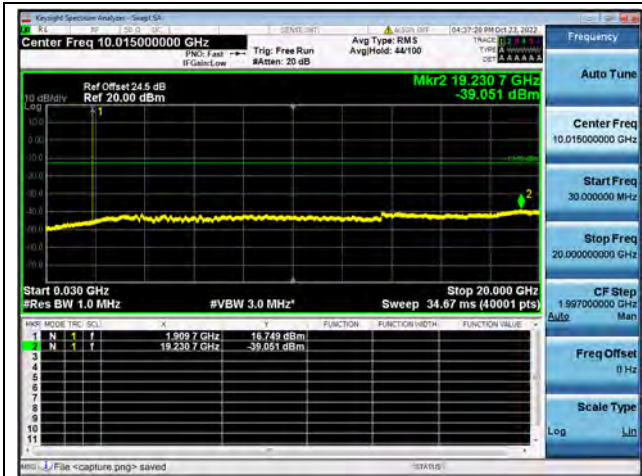
Band2 / 1.4MHz / Low CH / 16QAM

Band2 / 1.4MHz / Low CH / 64QAM

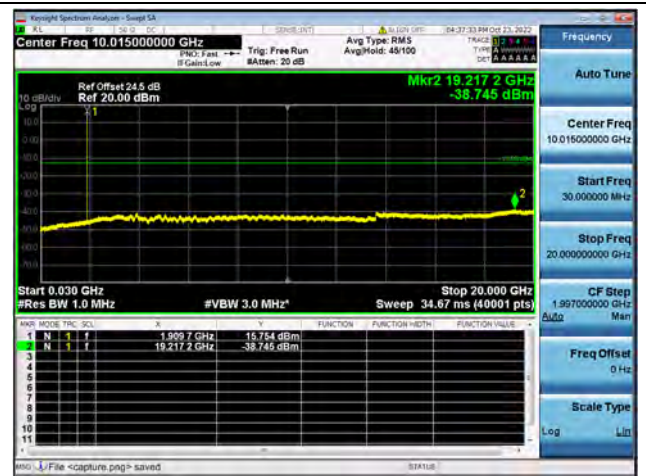
Band2 / 1.4MHz / Mid CH / QPSK

Band2 / 1.4MHz / Mid CH / 16QAM

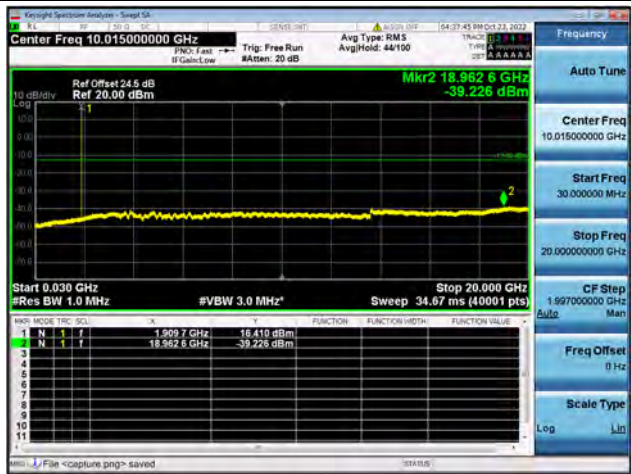
Band2 / 1.4MHz / Mid CH / 64QAM



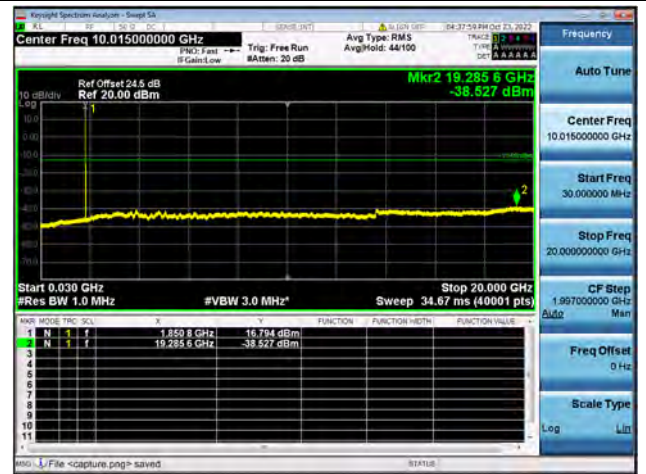
Band2 / 1.4MHz / High CH / QPSK



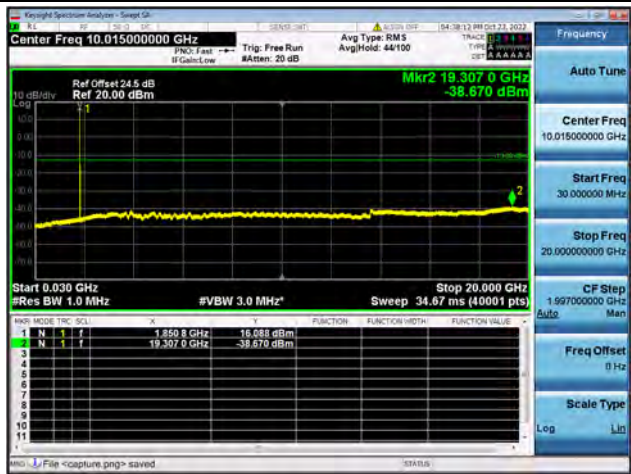
Band2 / 1.4MHz / High CH / 16QAM



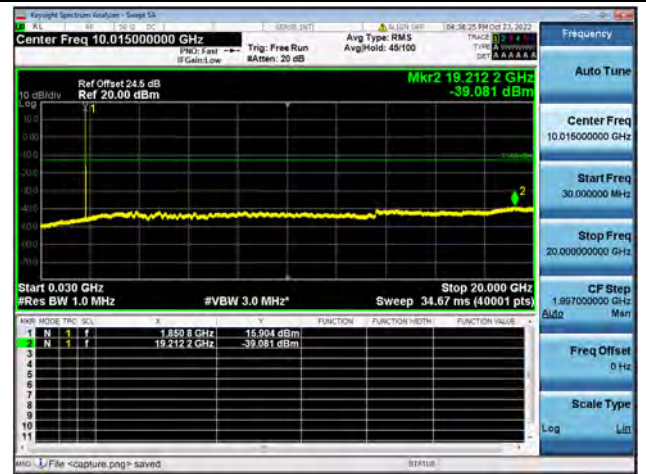
Band2 / 1.4MHz / High CH / 64QAM



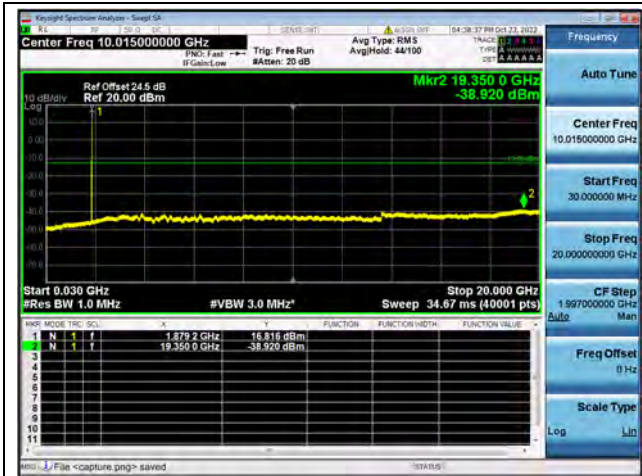
Band2 / 3MHz / Low CH / QPSK



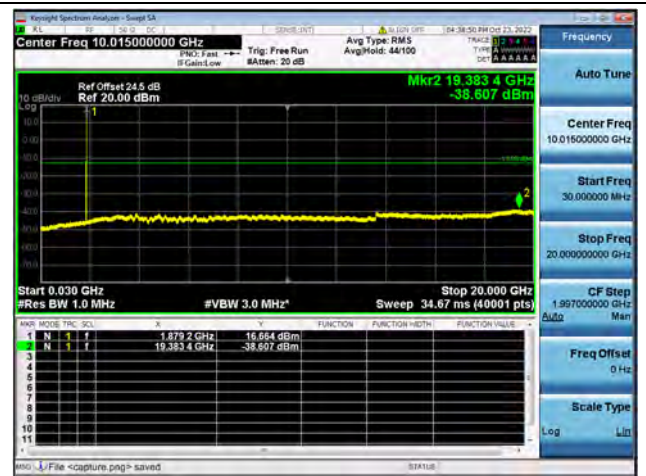
Band2 / 3MHz / Low CH / 16QAM



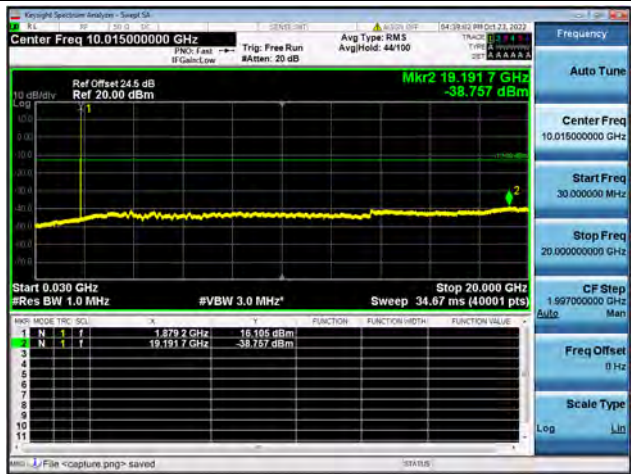
Band2 / 3MHz / Low CH / 64QAM



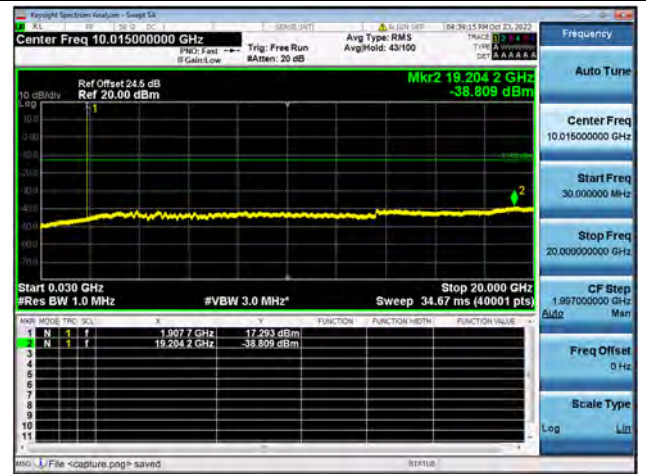
Band2 / 3MHz / Mid CH / QPSK



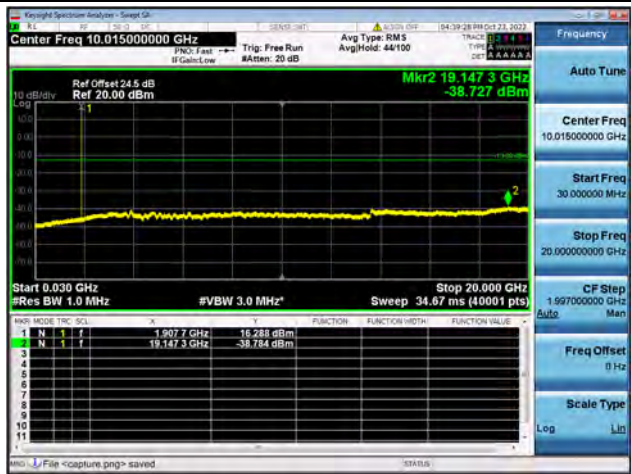
Band2 / 3MHz / Mid CH / 16QAM



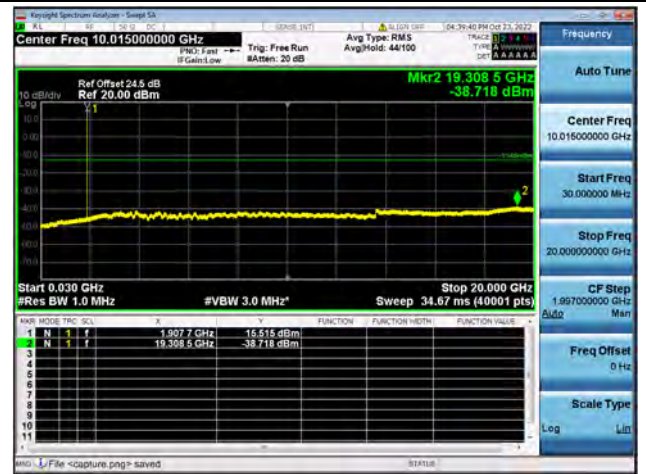
Band2 / 3MHz / Mid CH / 64QAM



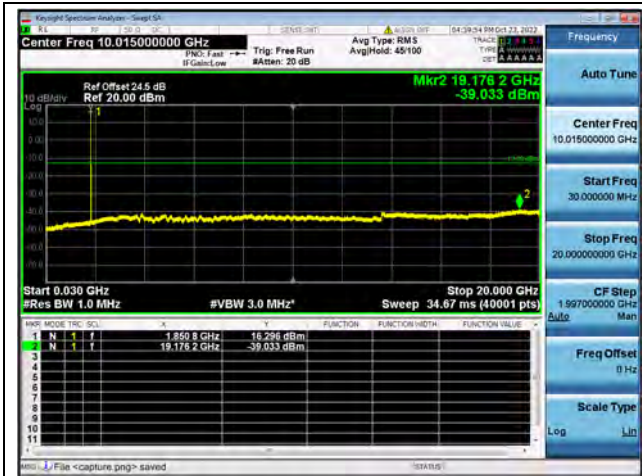
Band2 / 3MHz / High CH / QPSK



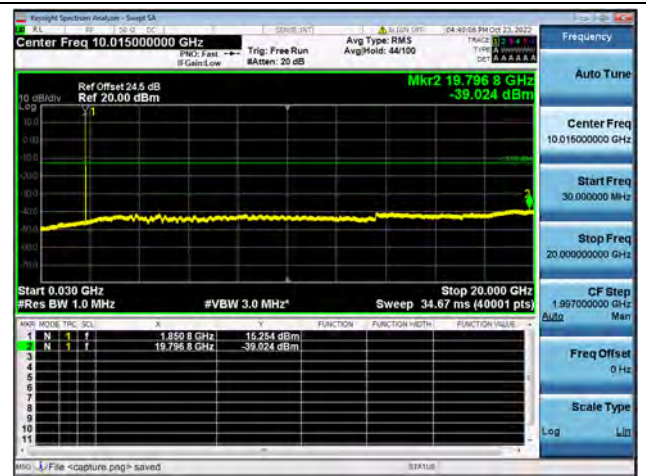
Band2 / 3MHz / High CH / 16QAM



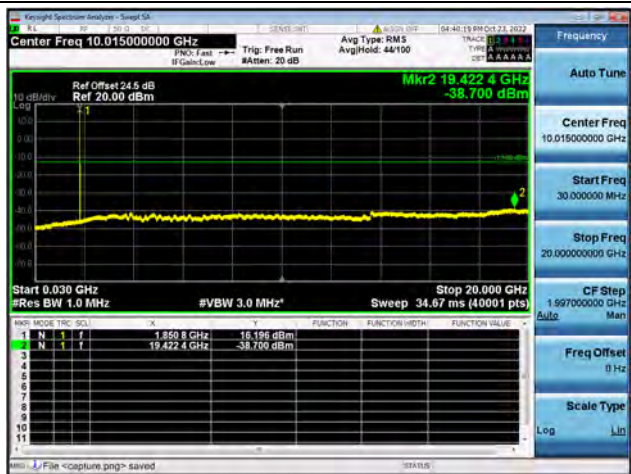
Band2 / 3MHz / High CH / 64QAM



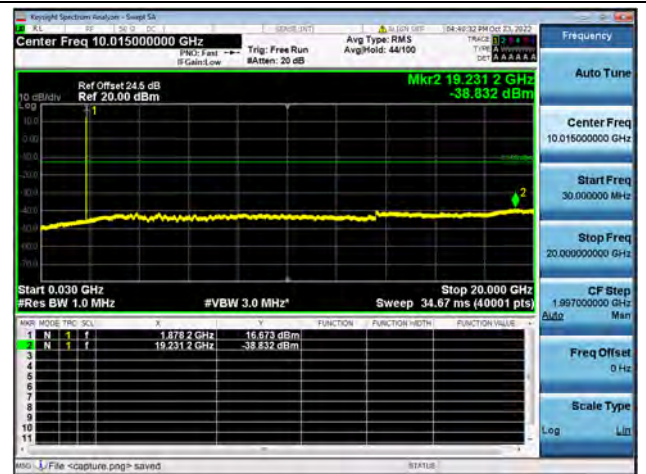
Band2 / 5MHz / Low CH / QPSK



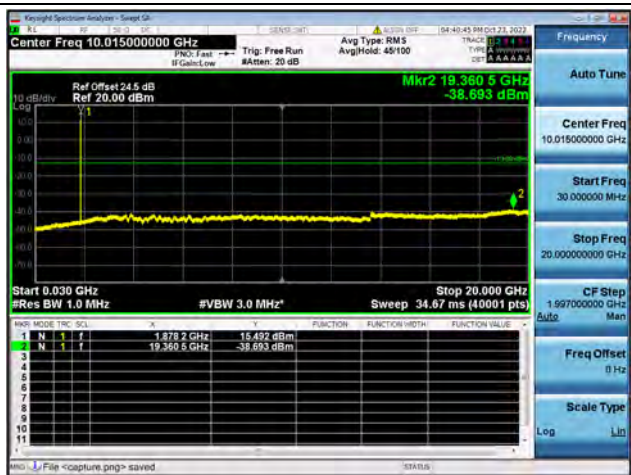
Band2 / 5MHz / Low CH / 16QAM



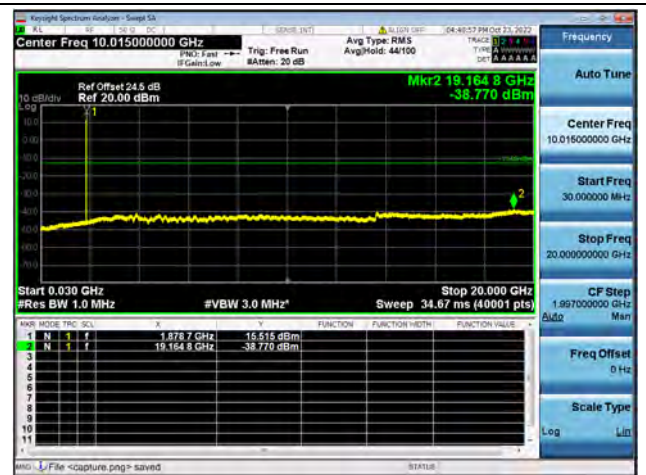
Band2 / 5MHz / Low CH / 64QAM



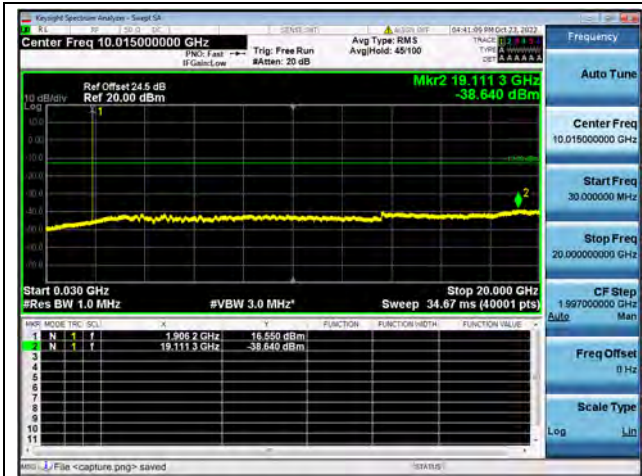
Band2 / 5MHz / Mid CH / QPSK



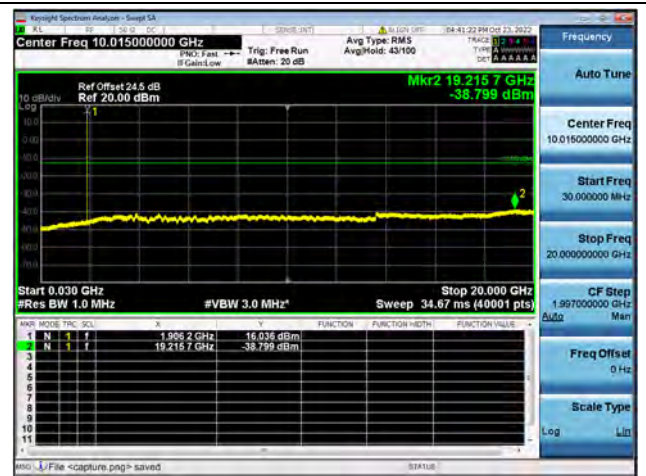
Band2 / 5MHz / Mid CH / 16QAM



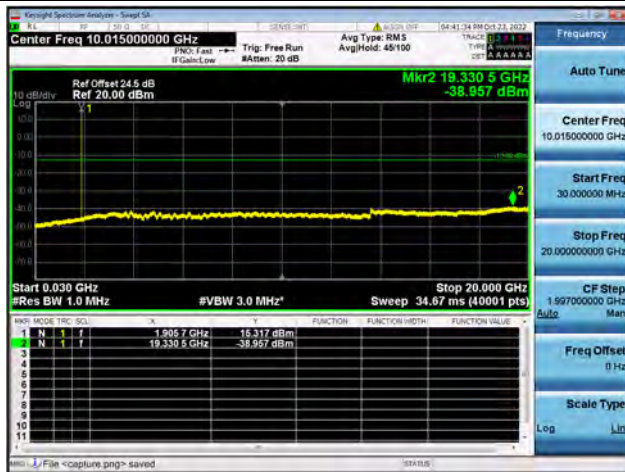
Band2 / 5MHz / Mid CH / 64QAM



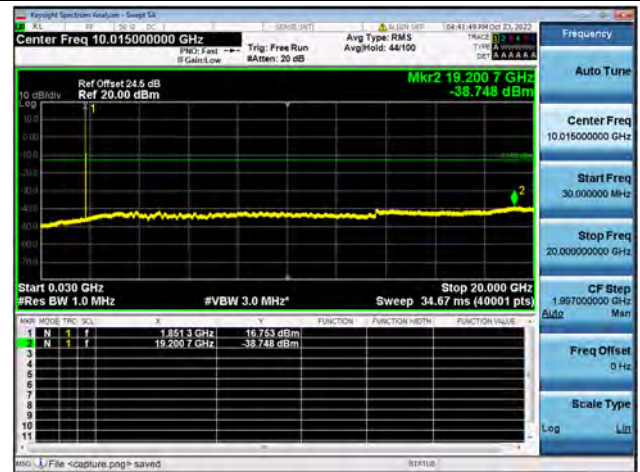
Band2 / 5MHz / High CH / QPSK



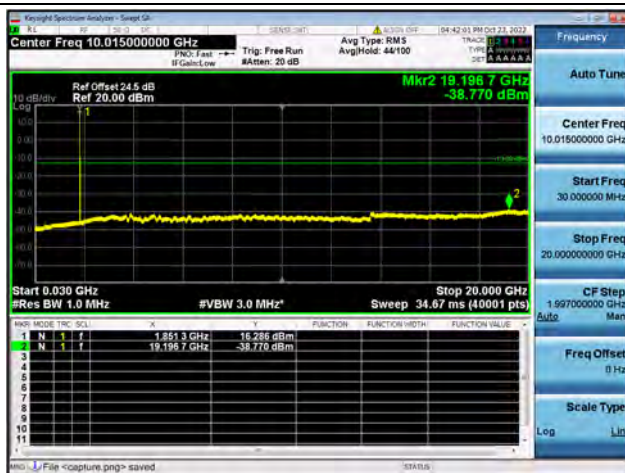
Band2 / 5MHz / High CH / 16QAM



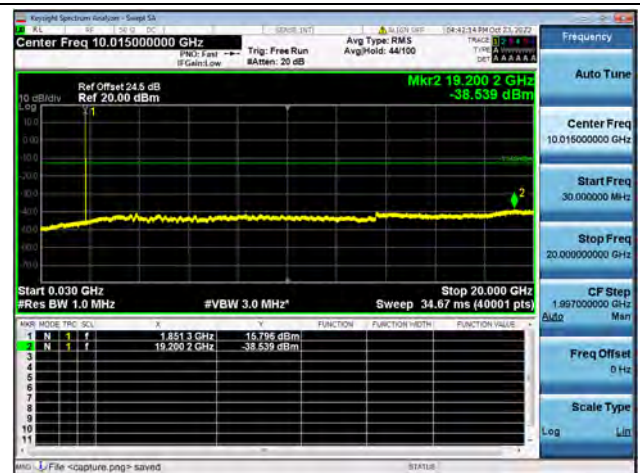
Band2 / 5MHz / High CH / 64QAM



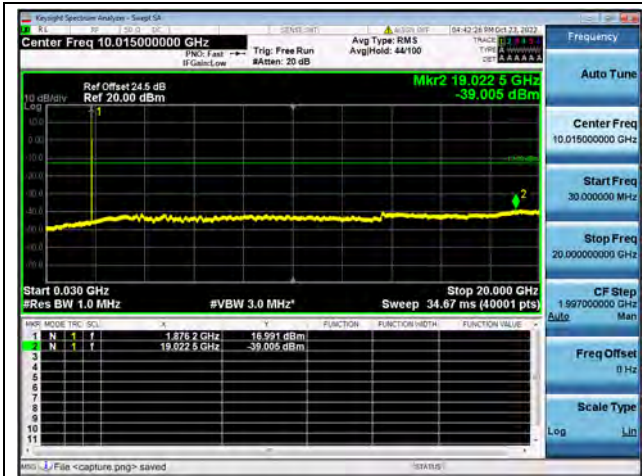
Band2 / 10MHz / Low CH / QPSK



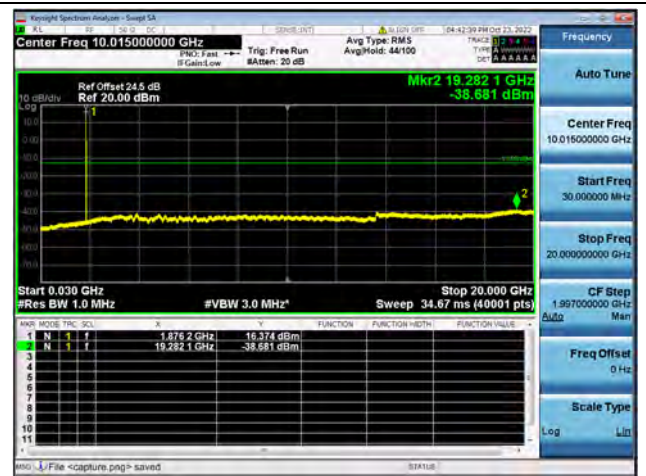
Band2 / 10MHz / Low CH / 16QAM



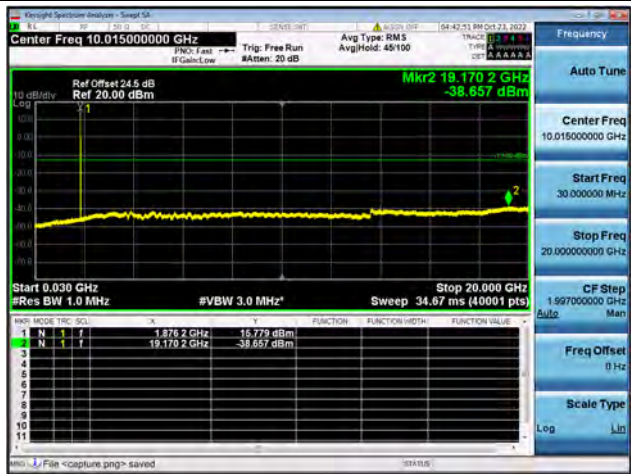
Band2 / 10MHz / Low CH / 64QAM



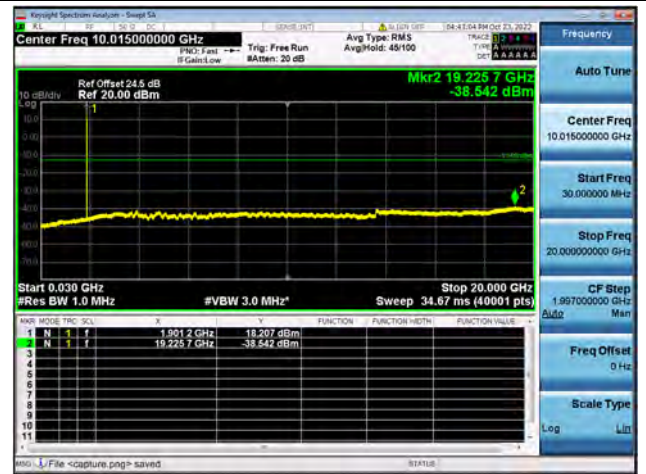
Band2 / 10MHz / Mid CH / QPSK



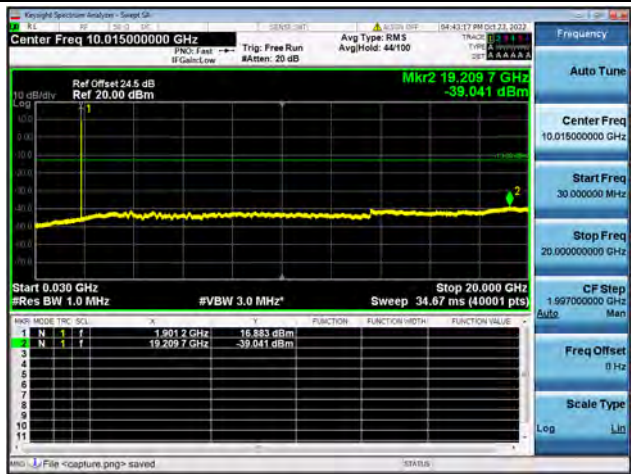
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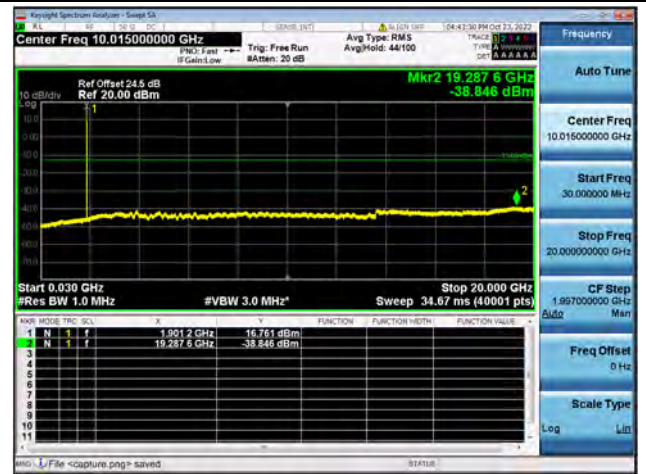
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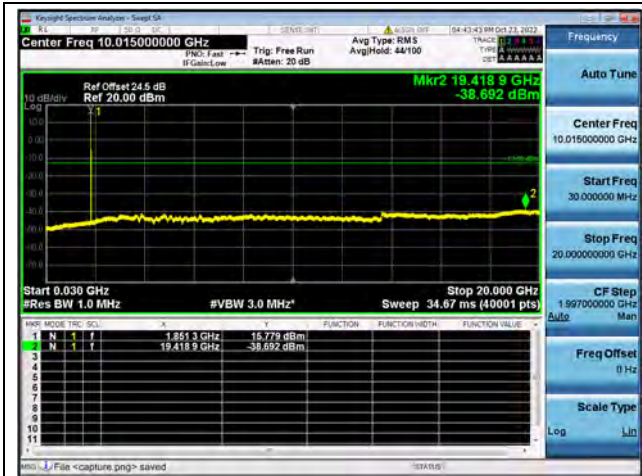
Band2 / 10MHz / High CH / QPSK



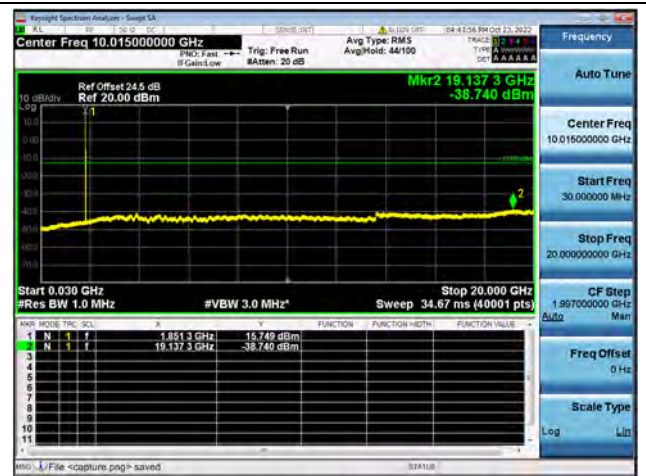
Band2 / 10MHz / High CH / 16QAM



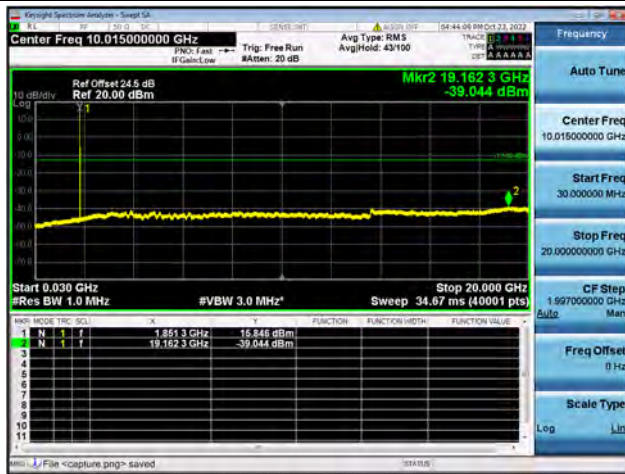
Band2 / 10MHz / High CH / 64QAM



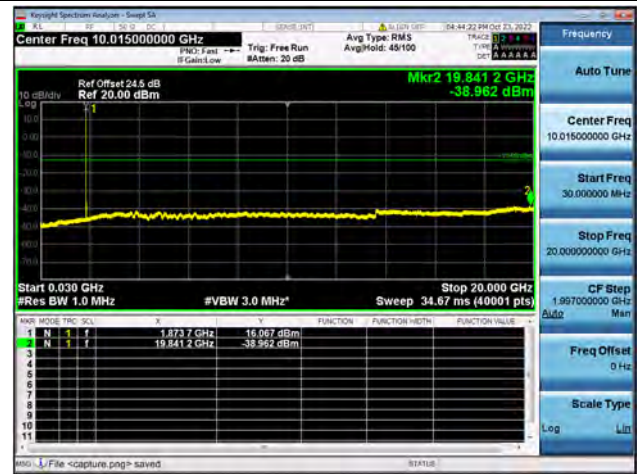
Band2 / 15MHz / Low CH / QPSK



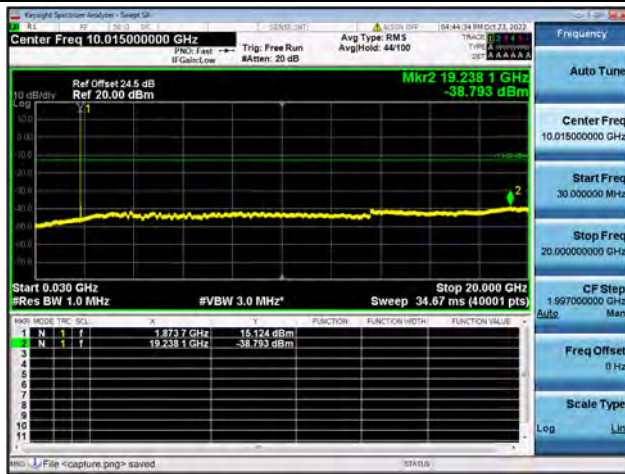
Band2 / 15MHz / Low CH / 16QAM



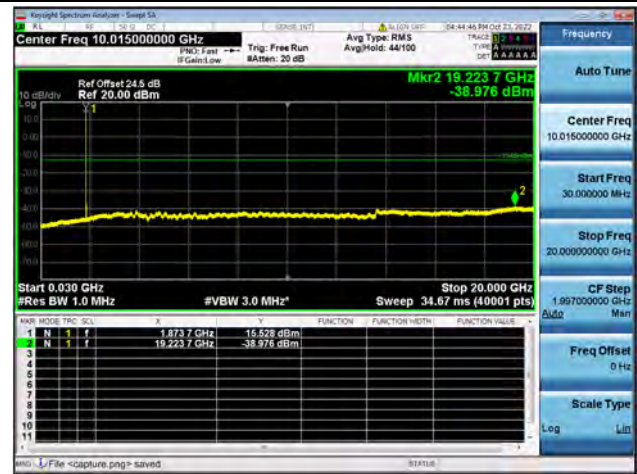
Band2 / 15MHz / Low CH / 64QAM



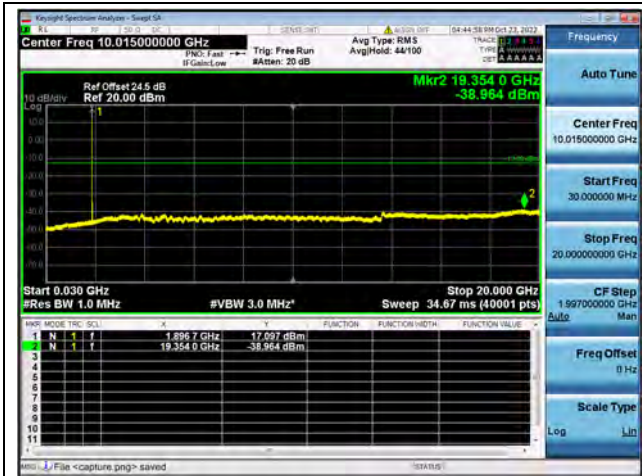
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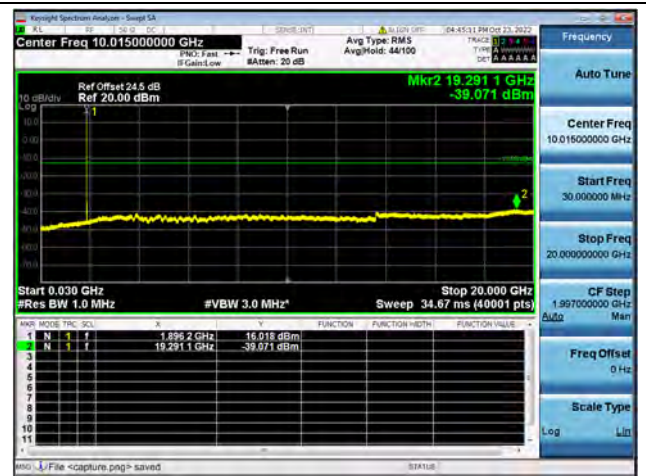
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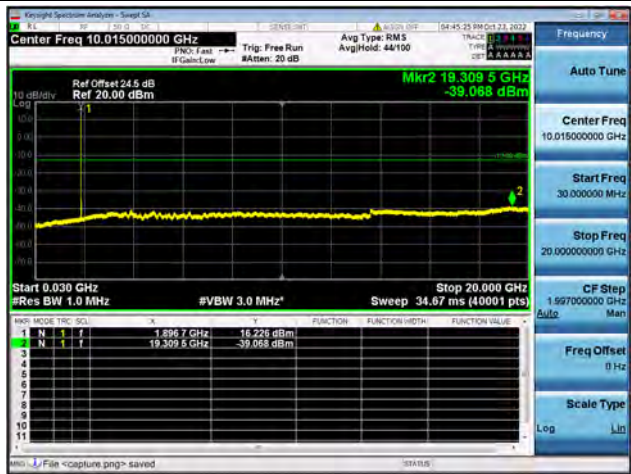
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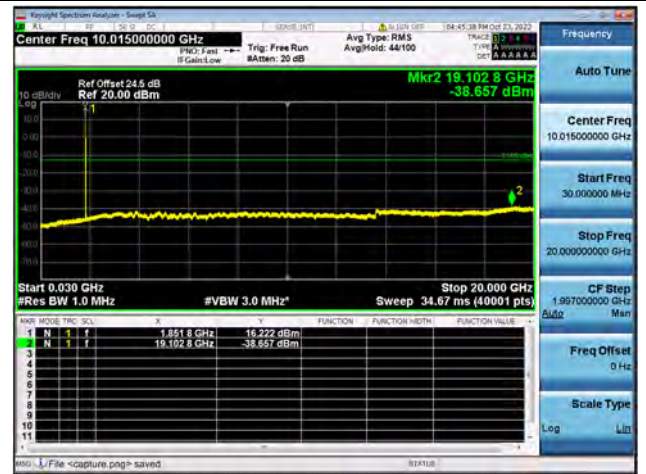
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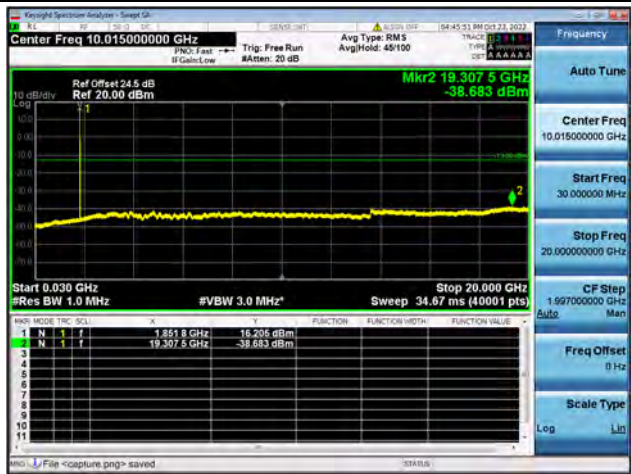
Band2 / 15MHz / High CH / 16QAM



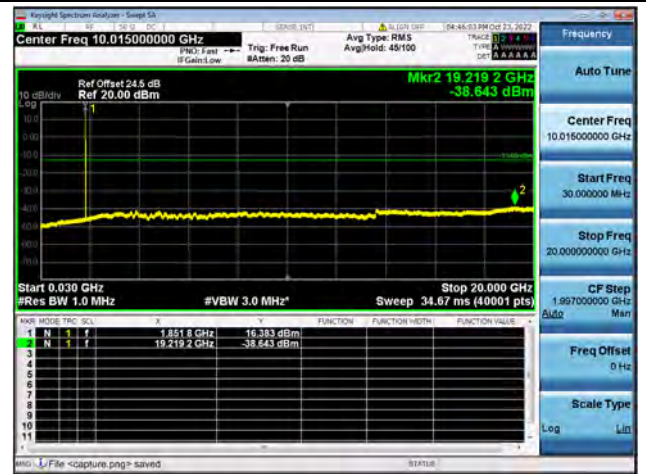
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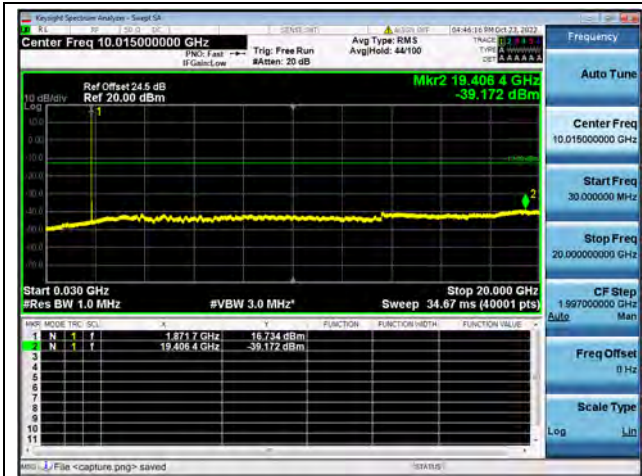
Band2 / 20MHz / Low CH / QPSK



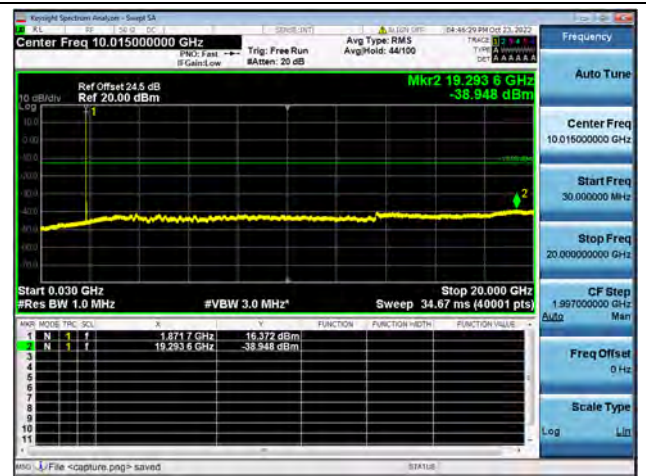
Band2 / 20MHz / Low CH / 16QAM



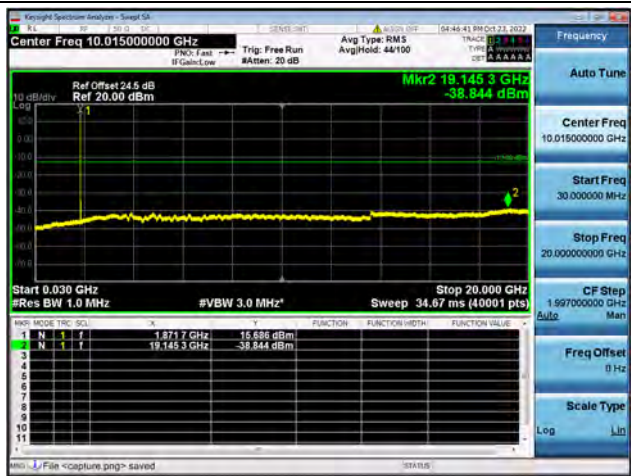
Band2 / 20MHz / Low CH / 64QAM



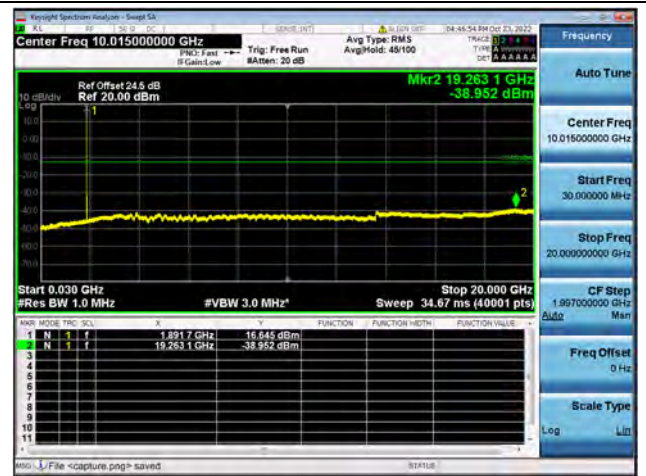
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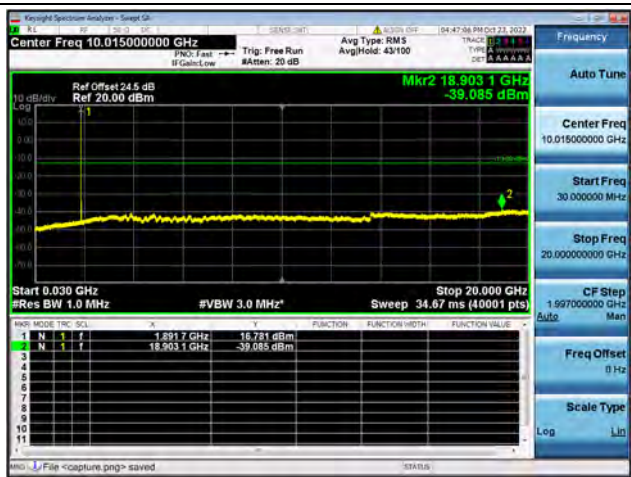
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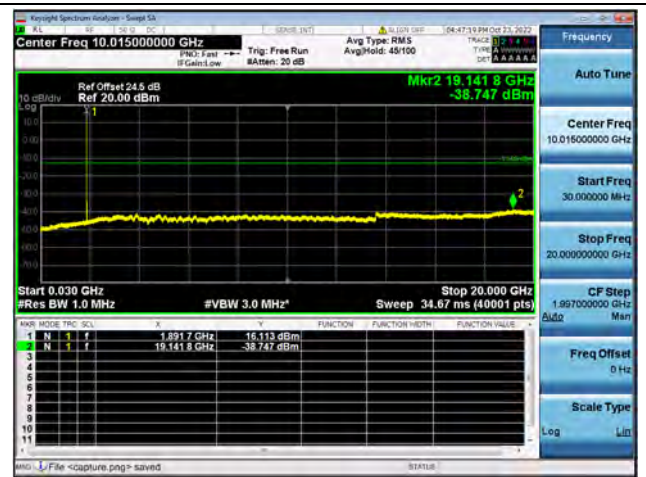
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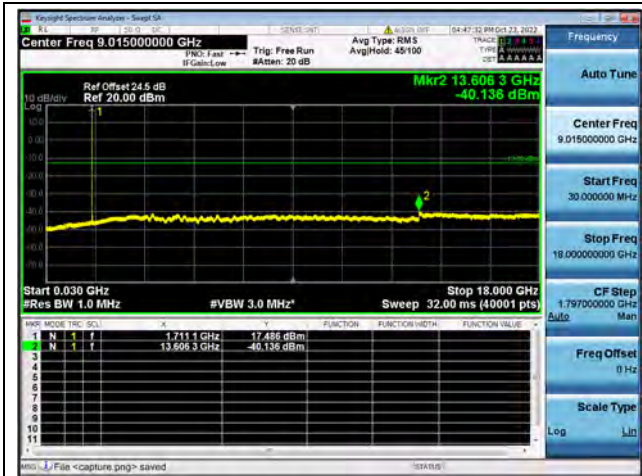
Band2 / 20MHz / High CH / QPSK



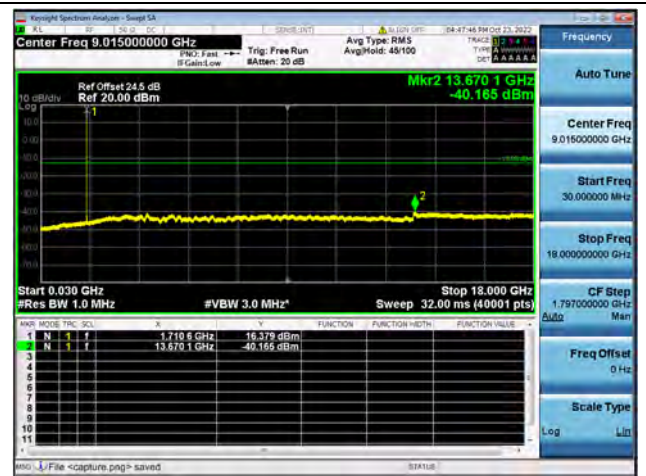
Band2 / 20MHz / High CH / 16QAM



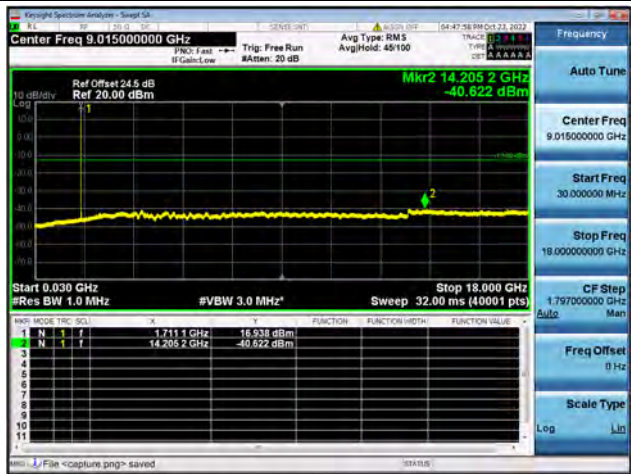
Band2 / 20MHz / High CH / 64QAM



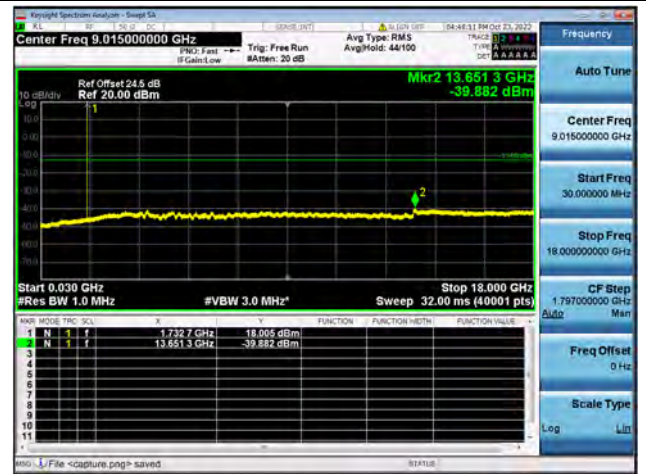
Band4 / 1.4MHz / Low CH / QPSK



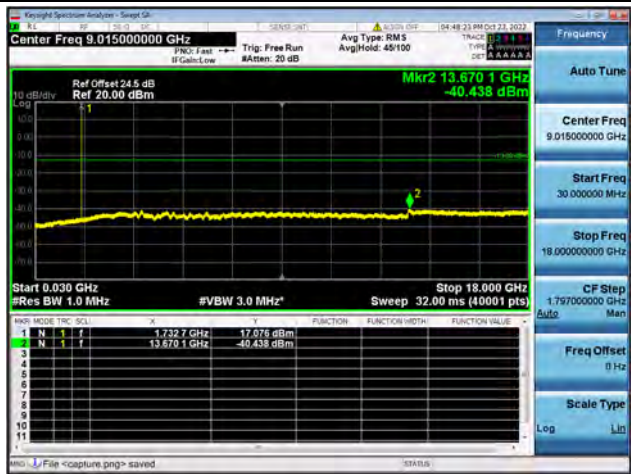
Band4 / 1.4MHz / Low CH / 16QAM



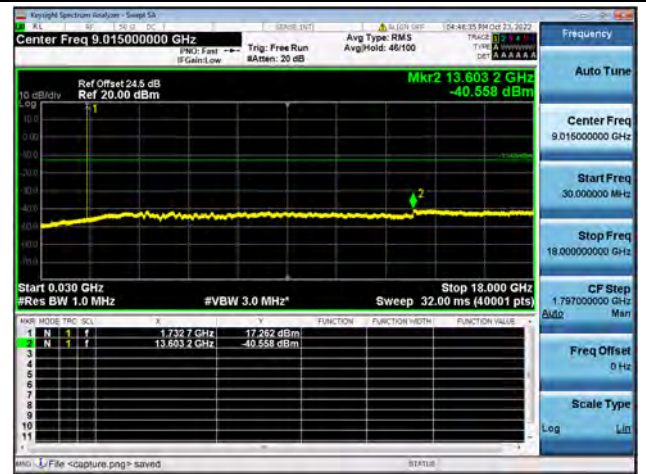
Band4 / 1.4MHz / Low CH / 64QAM



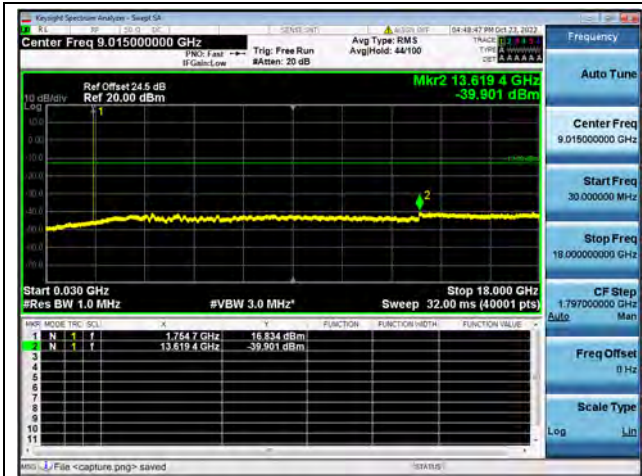
Band4 / 1.4MHz / Mid CH / QPSK



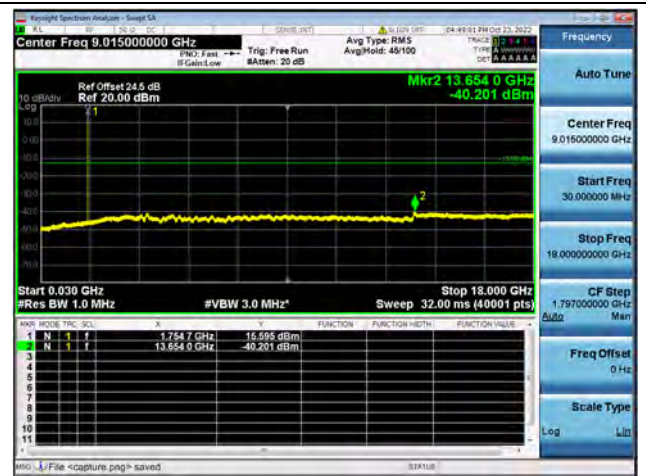
Band4 / 1.4MHz / Mid CH / 16QAM



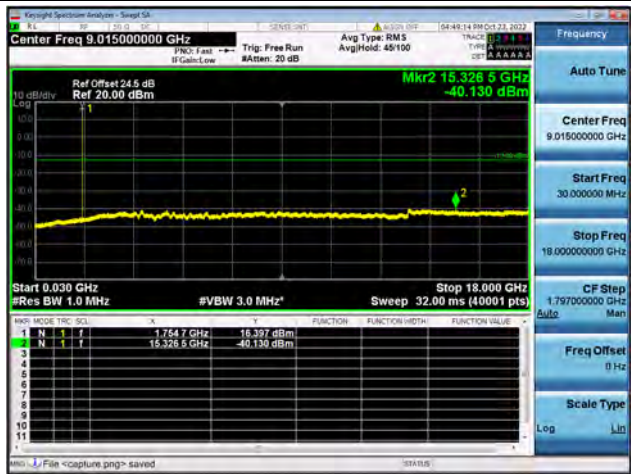
Band4 / 1.4MHz / Mid CH / 64QAM



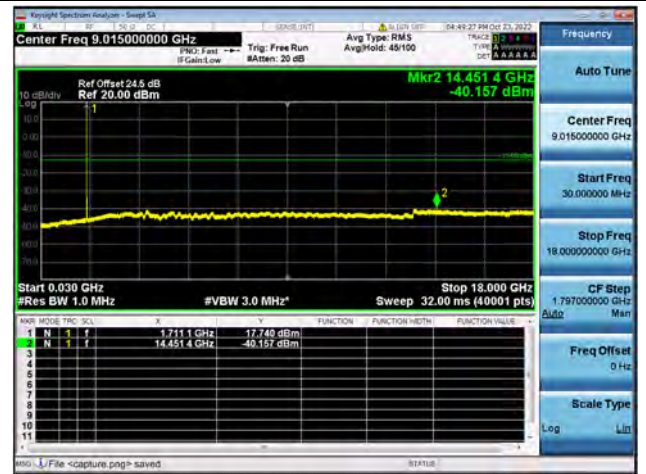
Band4 / 1.4MHz / High CH / QPSK



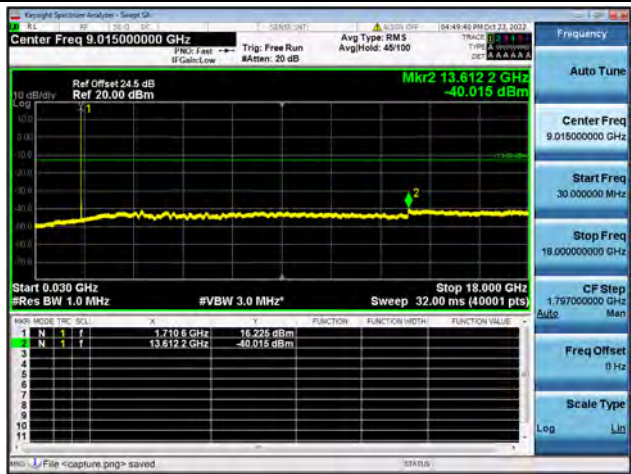
Band4 / 1.4MHz / High CH / 16QAM



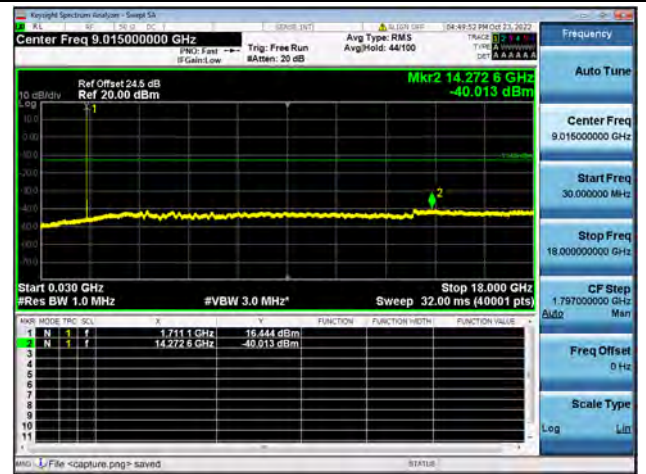
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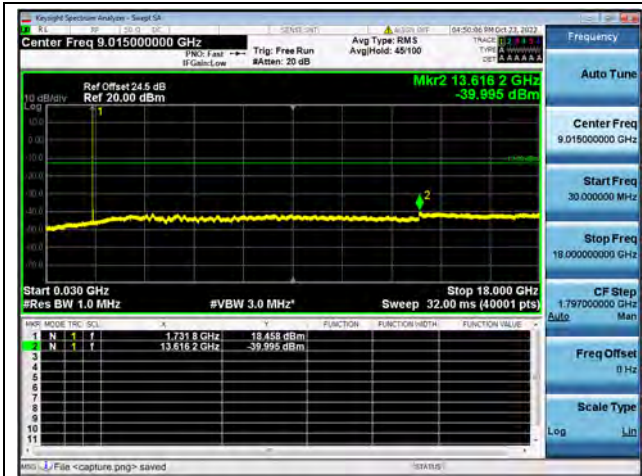
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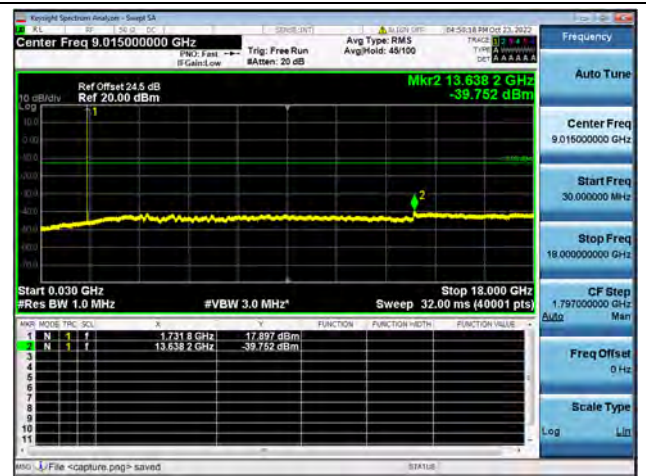
Band4 / 3MHz / Low CH / 16QAM



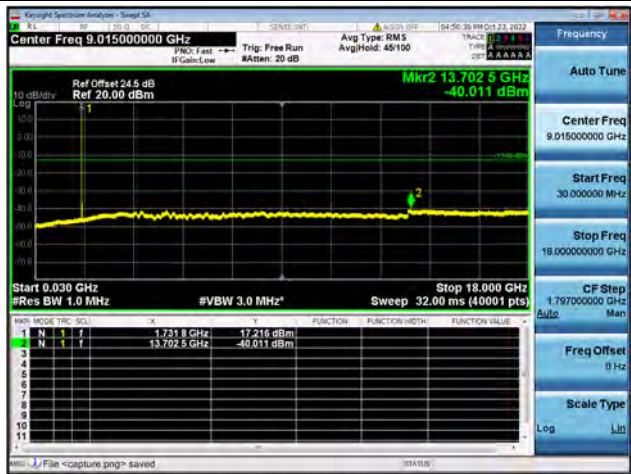
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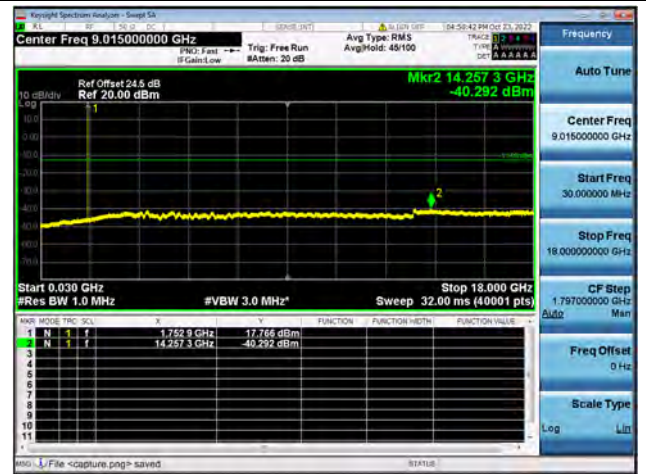
Band4 / 3MHz / Mid CH / QPSK



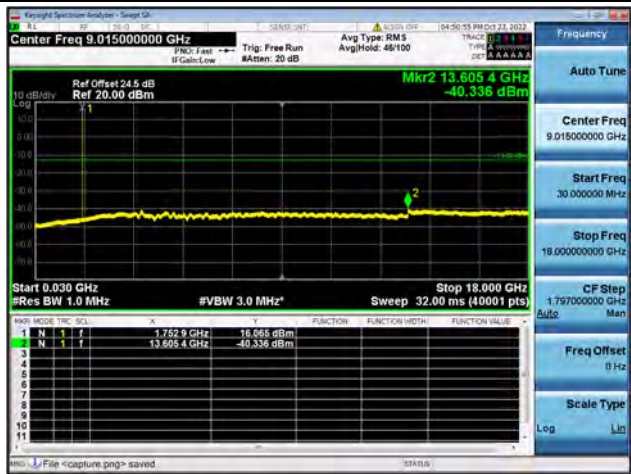
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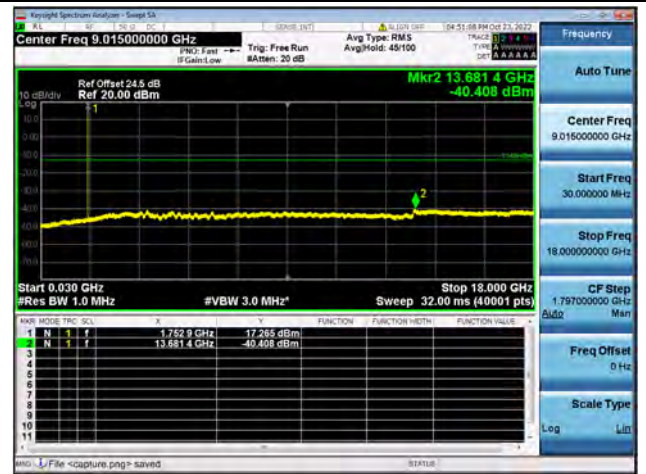
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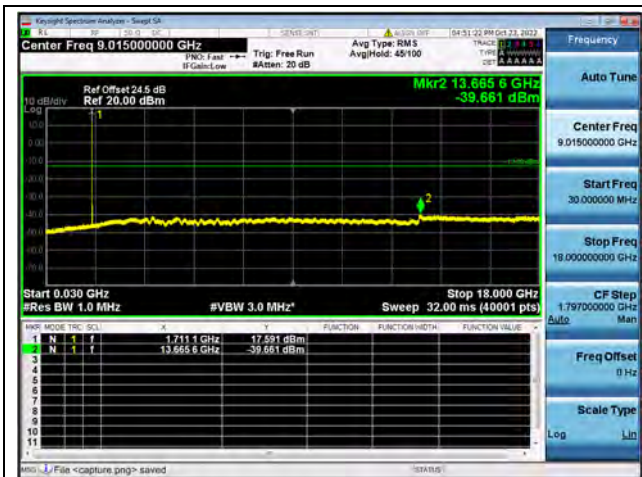
Band4 / 3MHz / High CH / QPSK



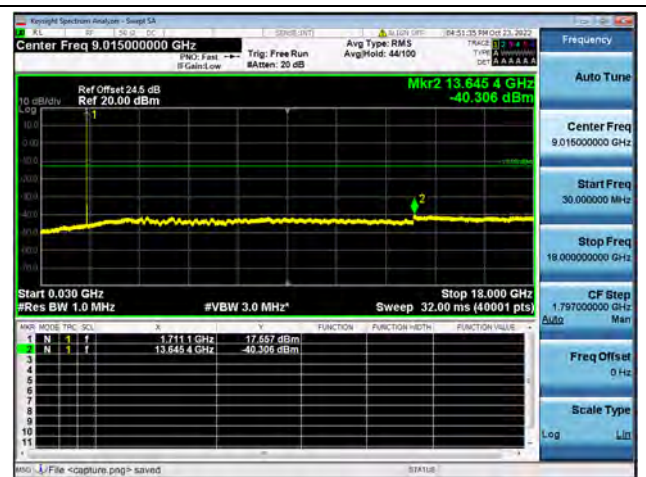
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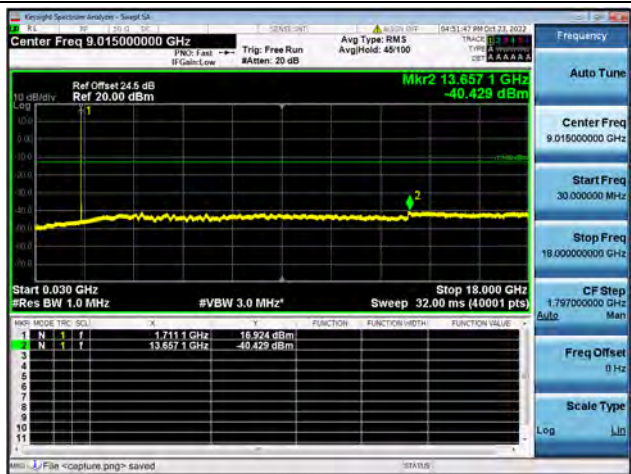
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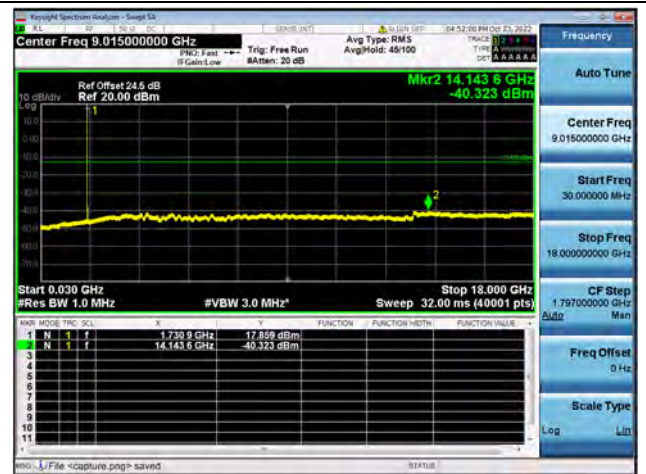
Band4 / 5MHz / Low CH / QPSK



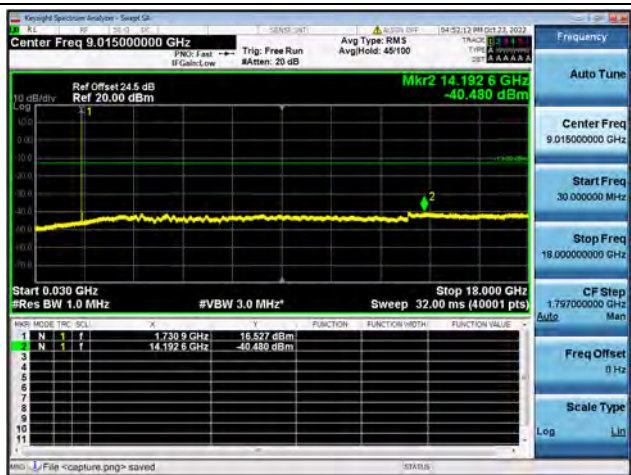
Band4 / 5MHz / Low CH / 16QAM



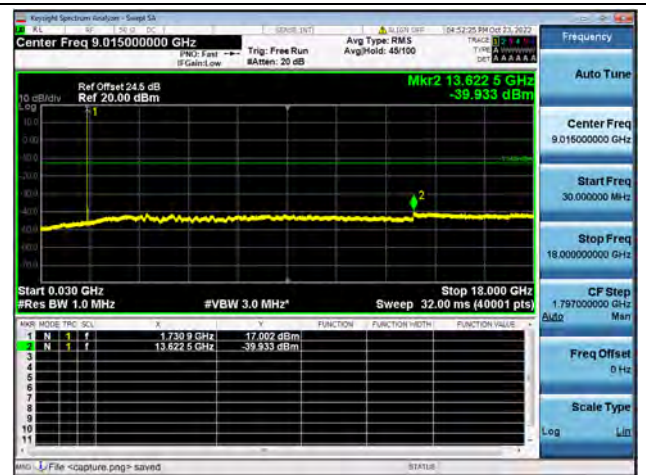
Band4 / 5MHz / Low CH / 64QAM



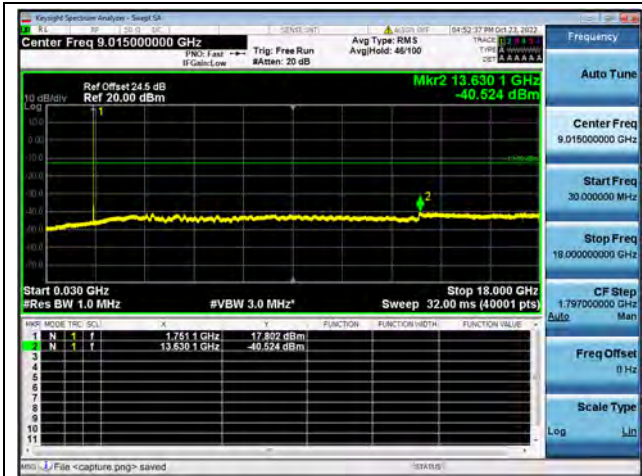
Band4 / 5MHz / Mid CH / QPSK



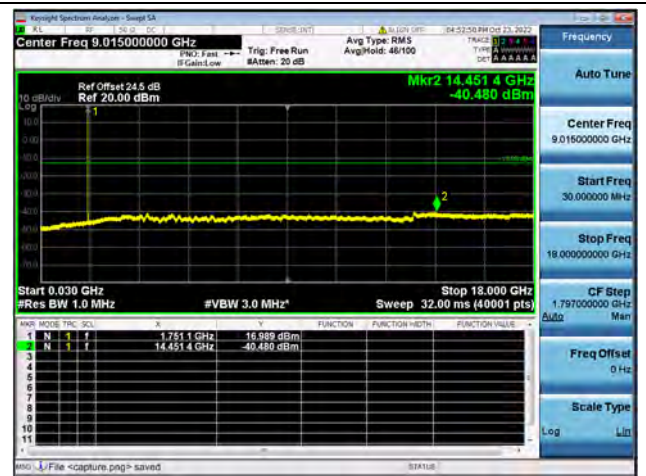
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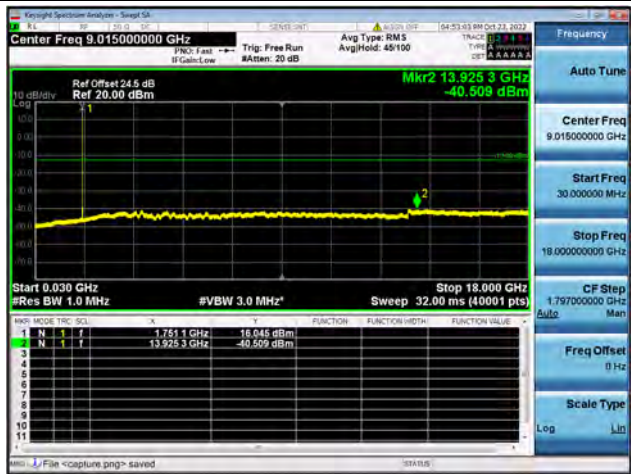
Band4 / 5MHz / Mid CH / 64QAM



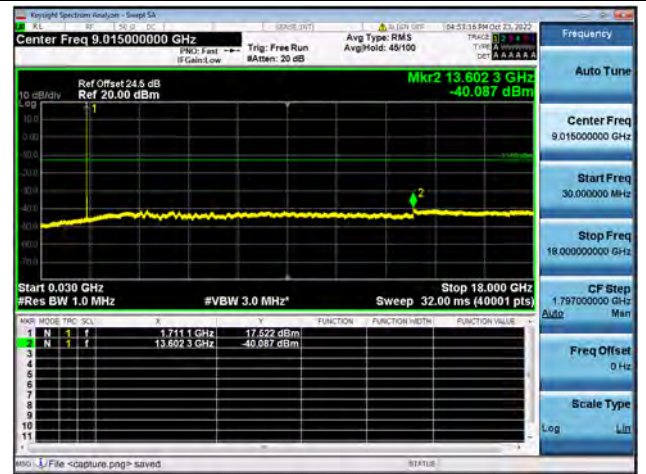
Band4 / 5MHz / High CH / QPSK



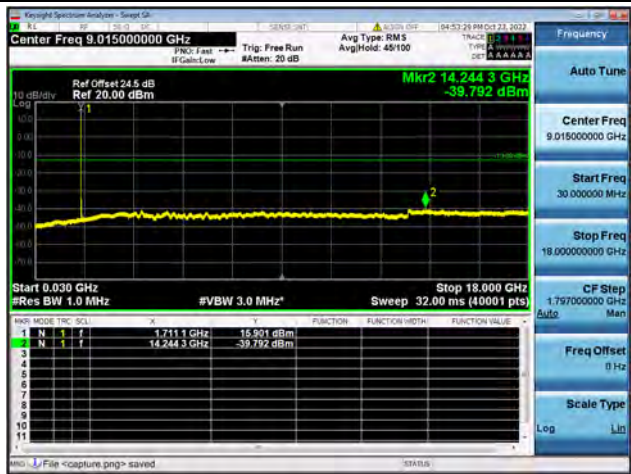
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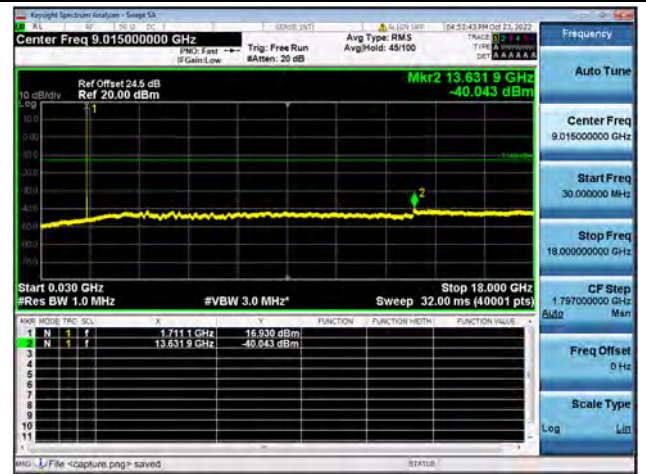
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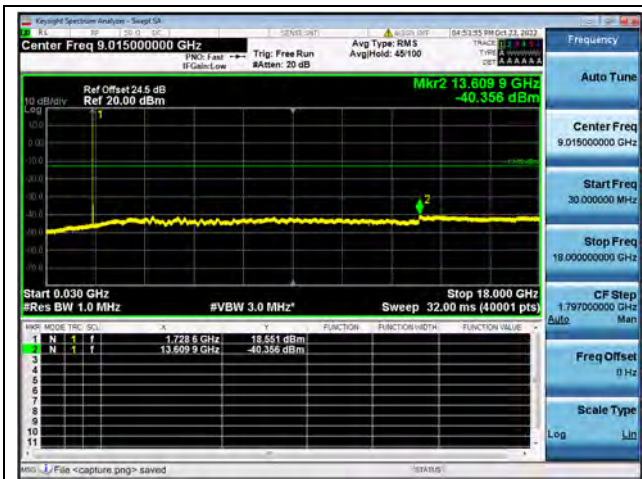
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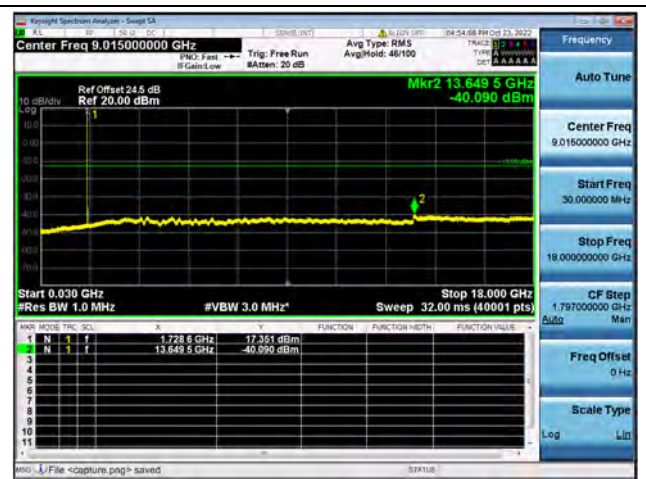
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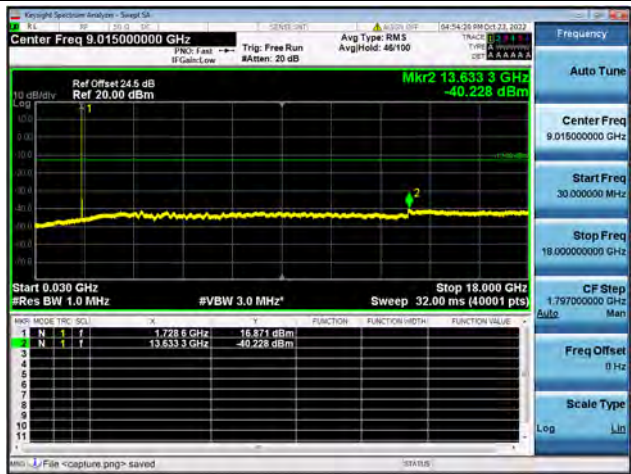
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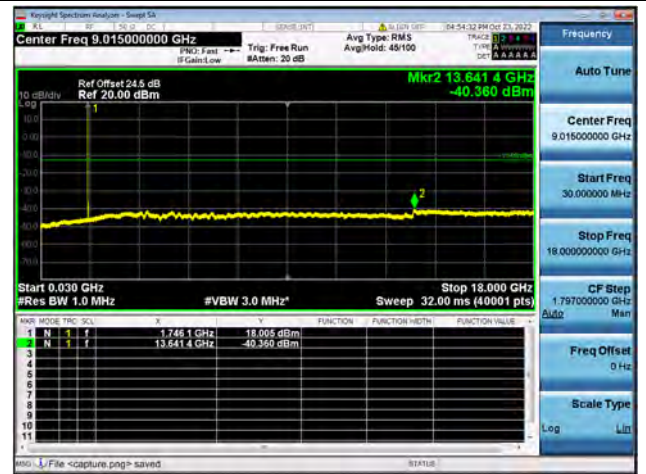
Band4 / 10MHz / Mid CH / QPSK



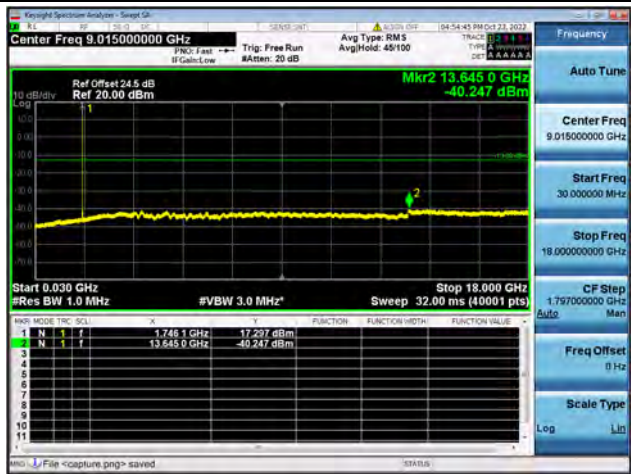
Band4 / 10MHz / Mid CH / 16QAM



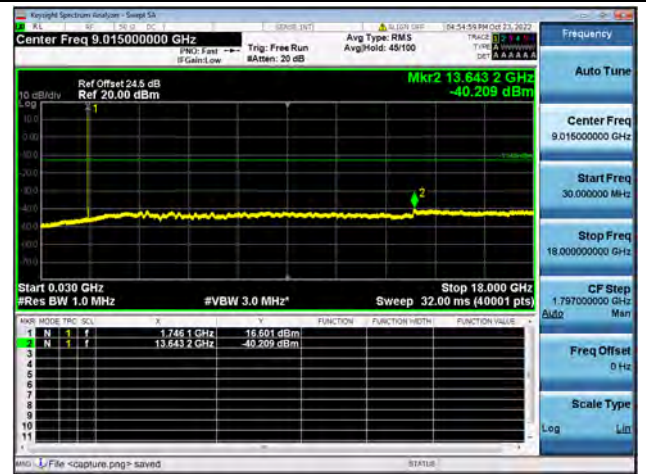
Band4 / 10MHz / Mid CH / 64QAM



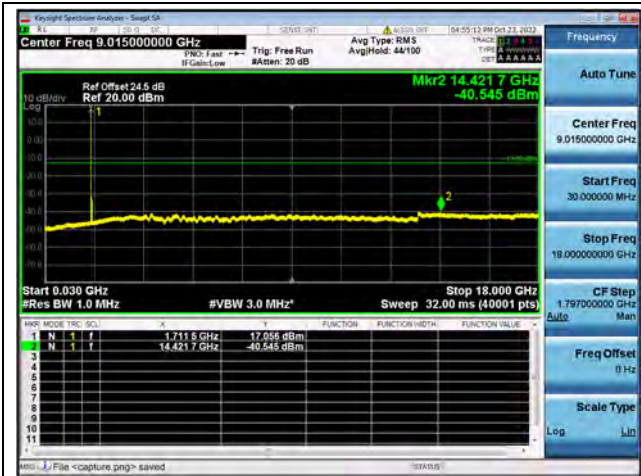
Band4 / 10MHz / High CH / QPSK



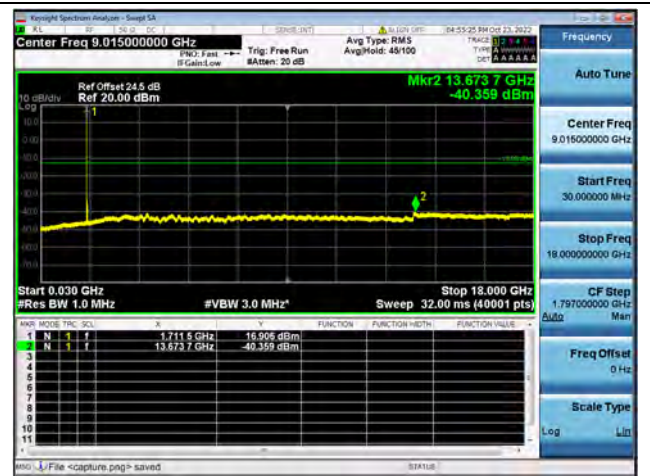
Band4 / 10MHz / High CH / 16QAM



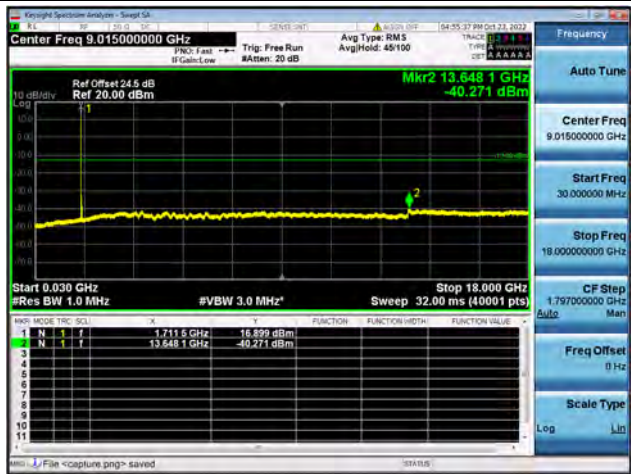
Band4 / 10MHz / High CH / 64QAM



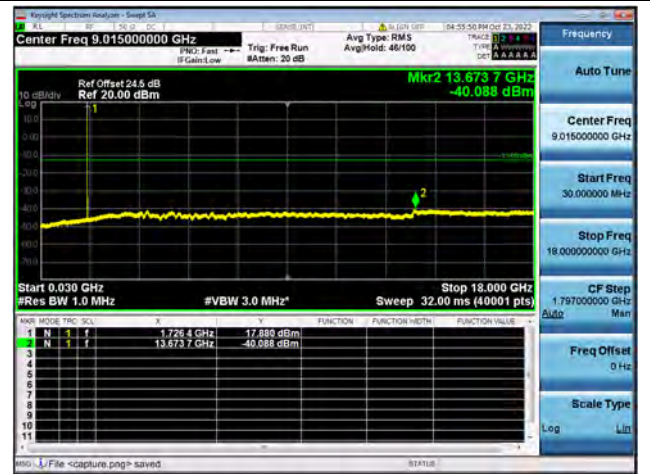
Band4 / 15MHz / Low CH / QPSK



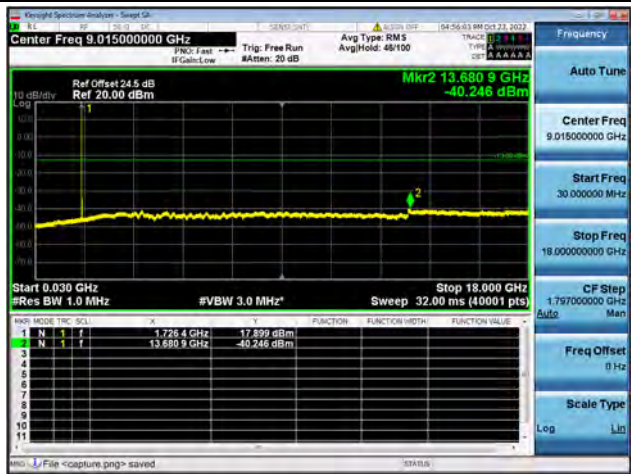
Band4 / 15MHz / Low CH / 16QAM



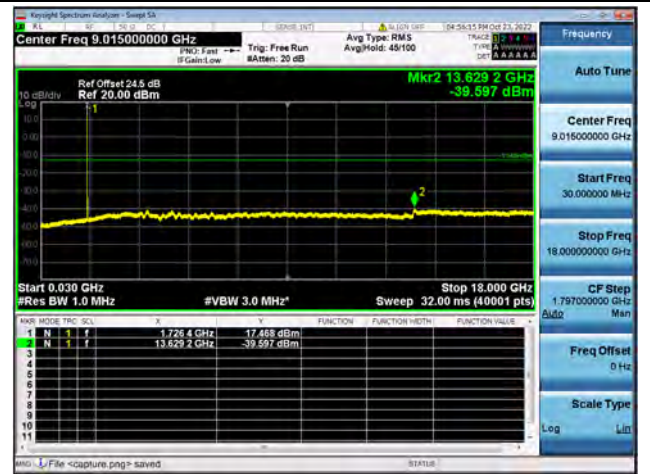
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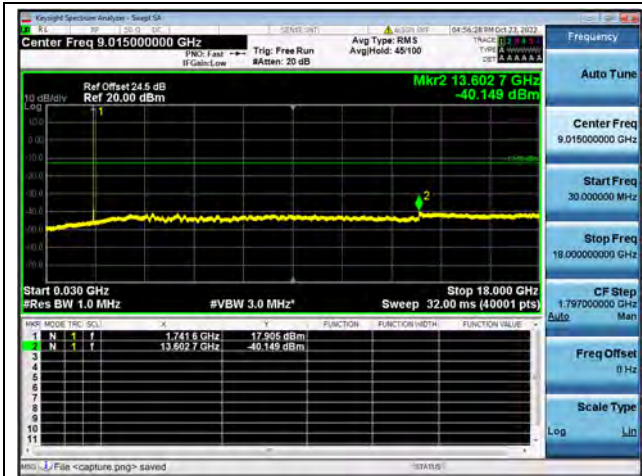
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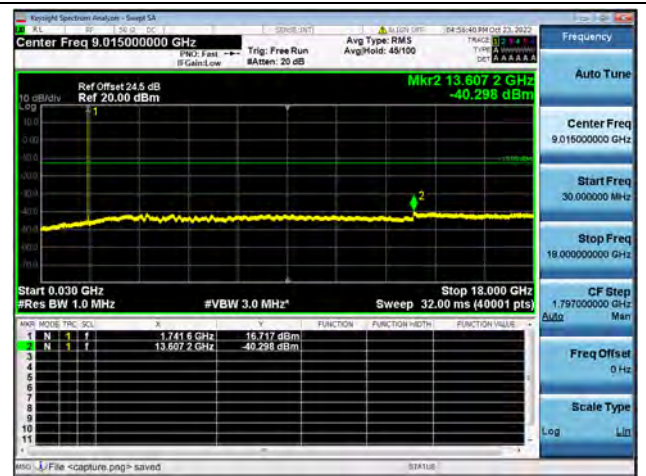
Band4 / 15MHz / Mid CH / 16QAM



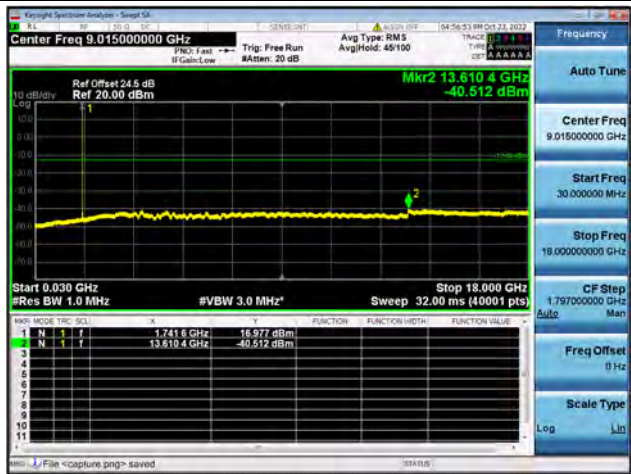
Band4 / 15MHz / Mid CH / 64QAM



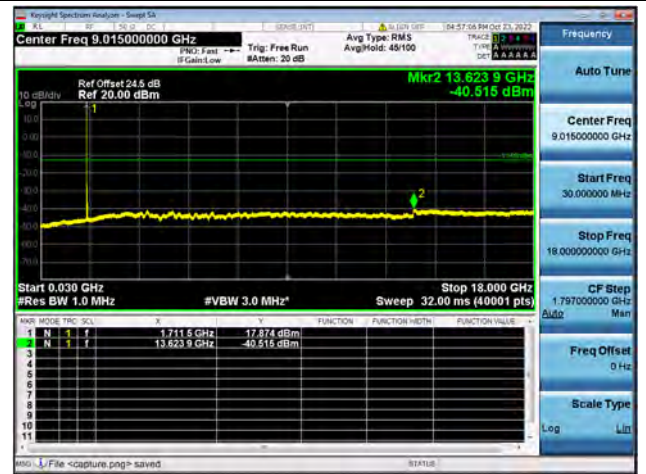
Band4 / 15MHz / High CH / QPSK



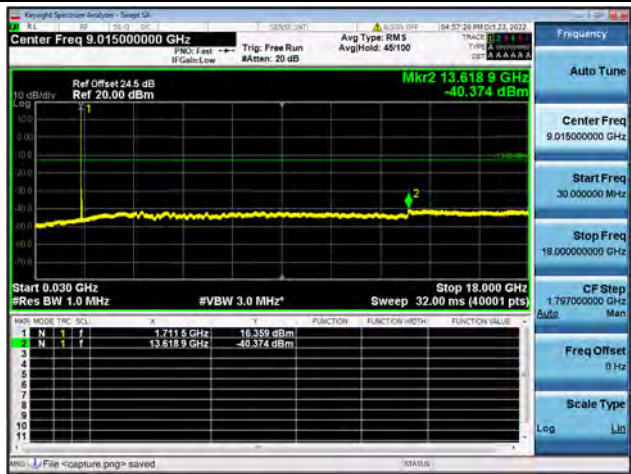
Band4 / 15MHz / High CH / 16QAM



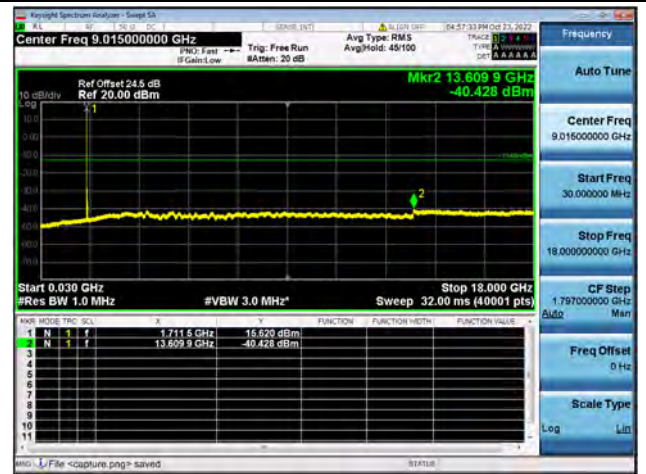
Band4 / 15MHz / High CH / 64QAM



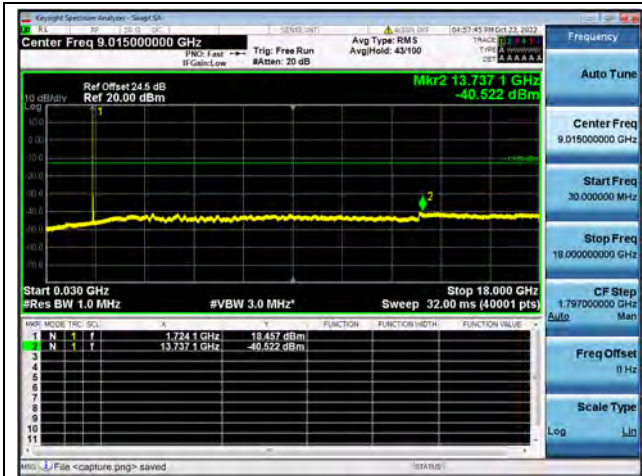
Band4 / 20MHz / Low CH / QPSK



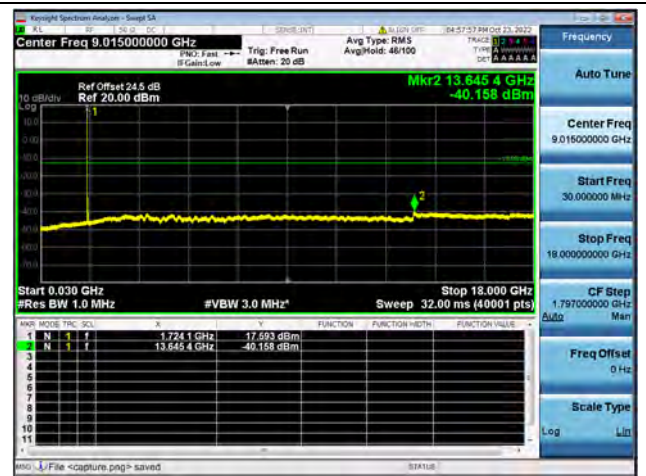
Band4 / 20MHz / Low CH / 16QAM



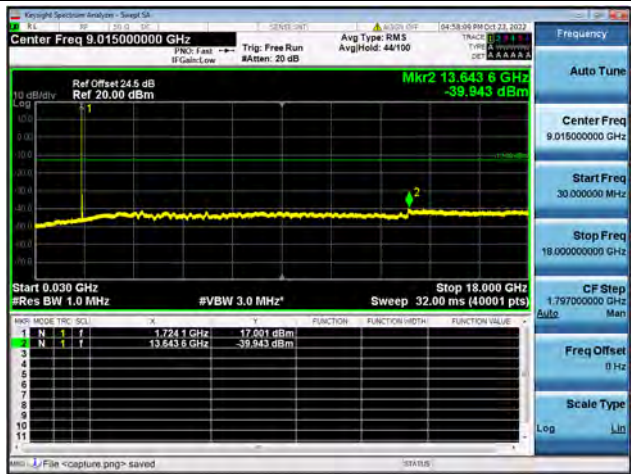
Band4 / 20MHz / Low CH / 64QAM



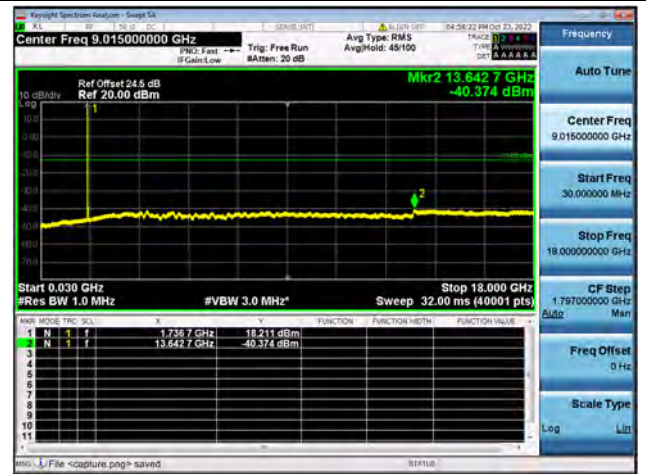
Band4 / 20MHz / Mid CH / QPSK



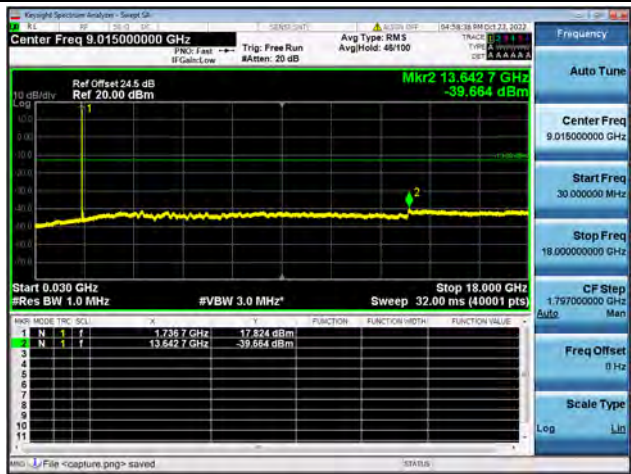
Band4 / 20MHz / Mid CH / 16QAM



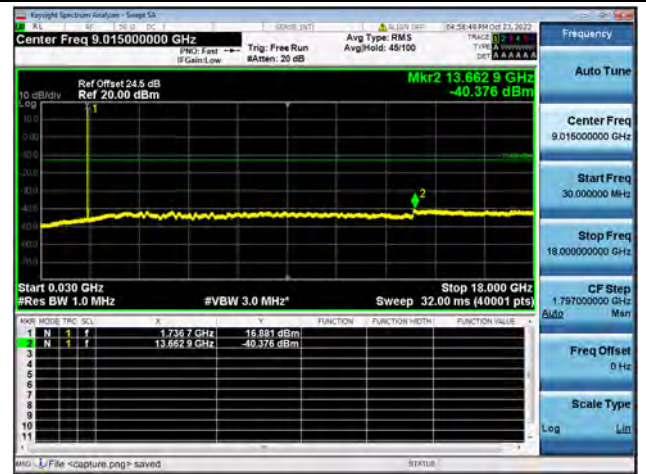
Band4 / 20MHz / Mid CH / 64QAM



Band4 / 20MHz / High CH / QPSK



Band4 / 20MHz / High CH / 16QAM



Band4 / 20MHz / High CH / 64QAM