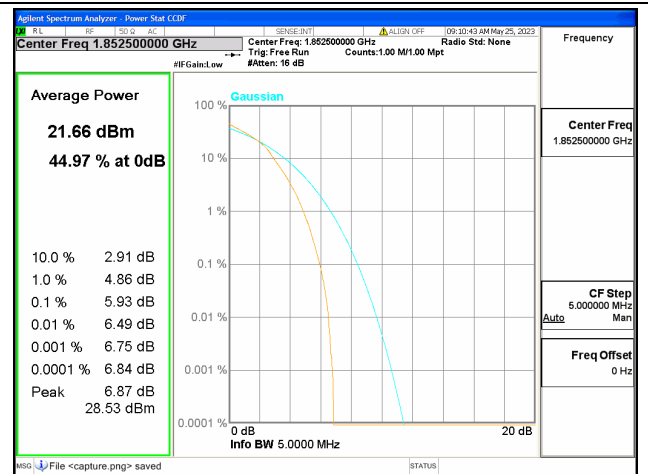
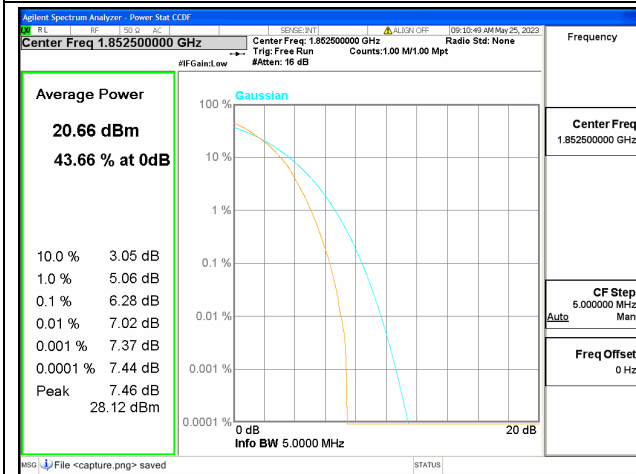


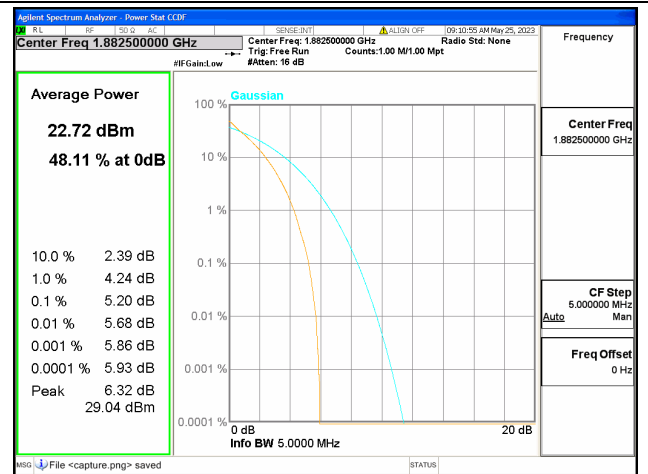
Band25 / 5MHz / Low CH / QPSK



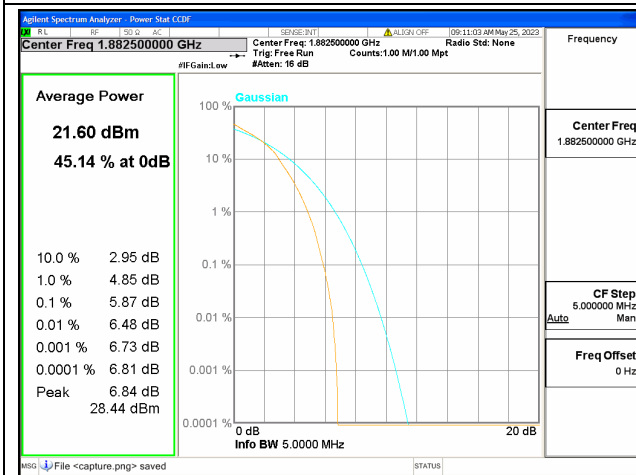
Band25 / 5MHz / Low CH / 16QAM



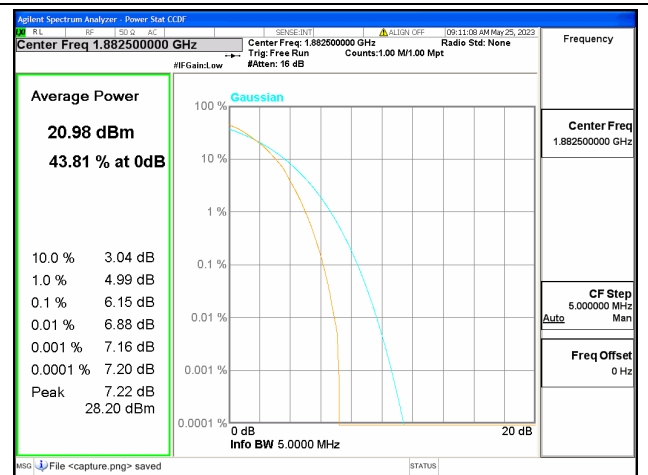
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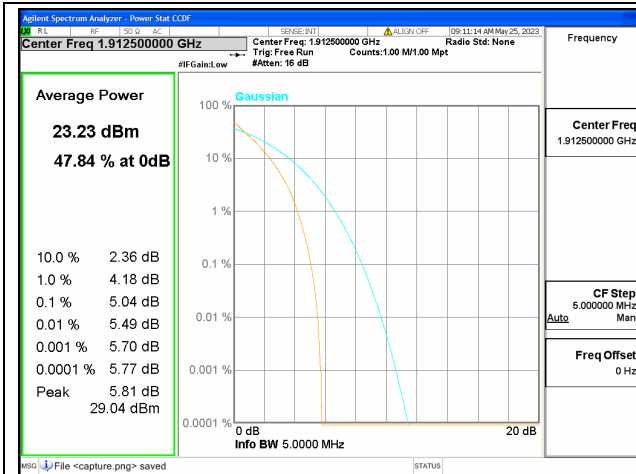
Band25 / 5MHz / Mid CH / QPSK



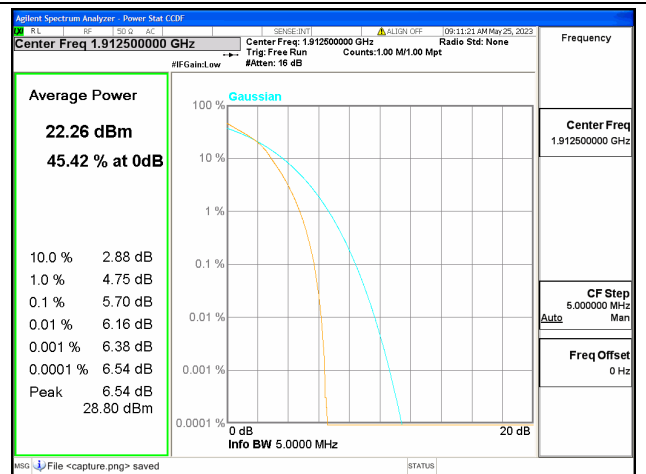
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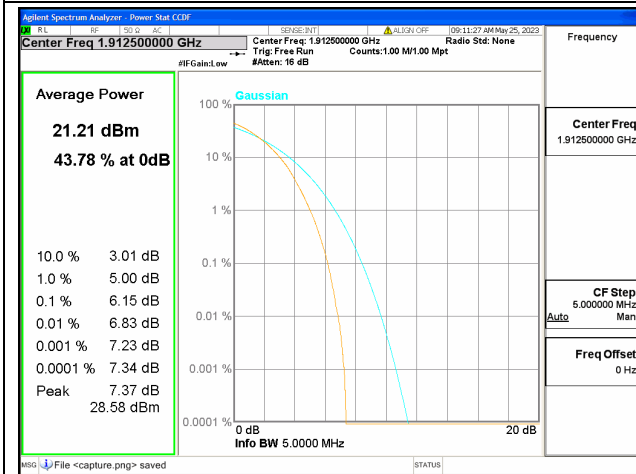
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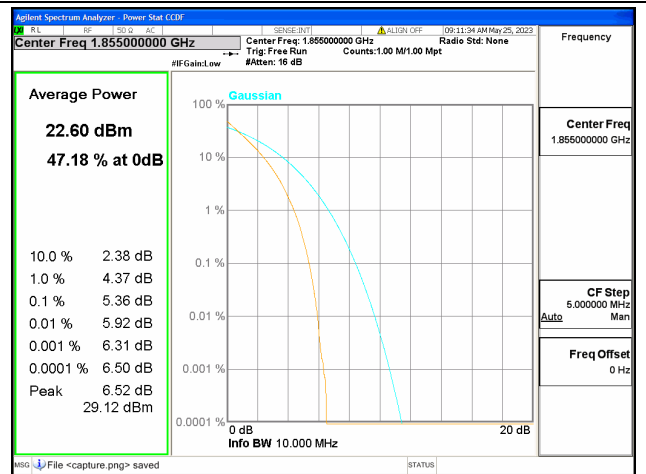
Band25 / 5MHz / High CH / QPSK



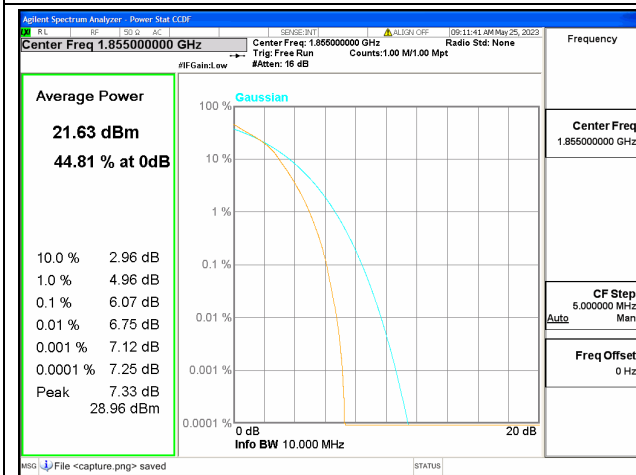
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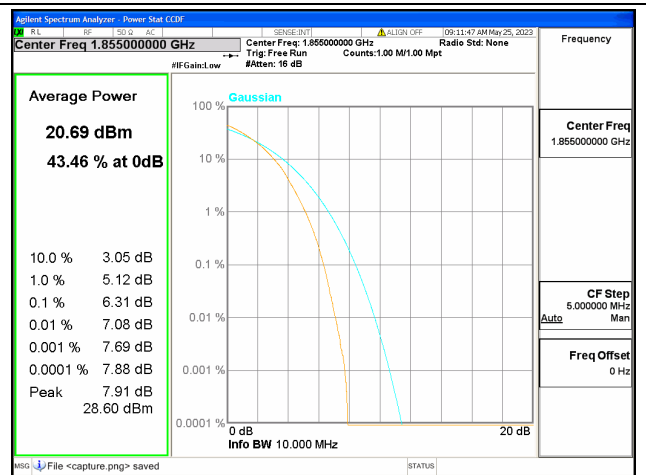
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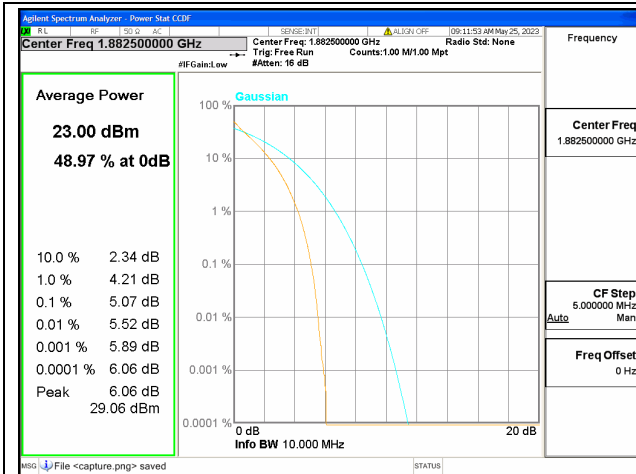
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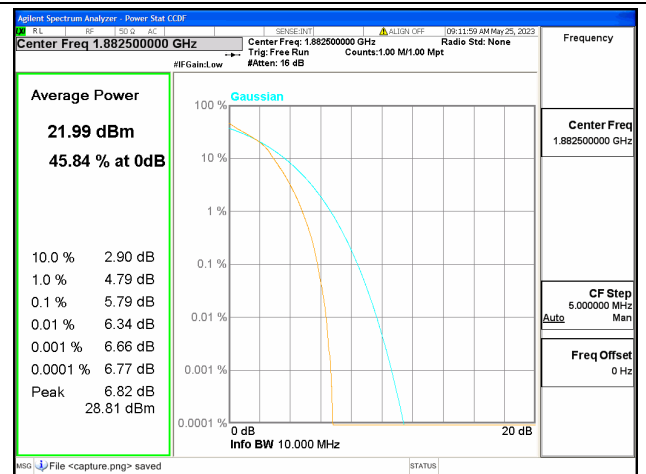
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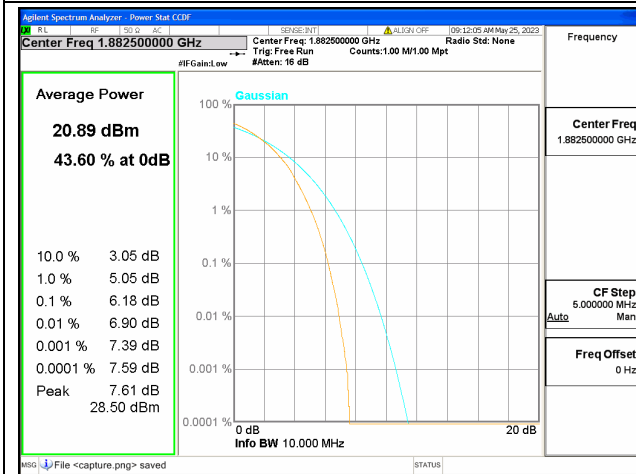
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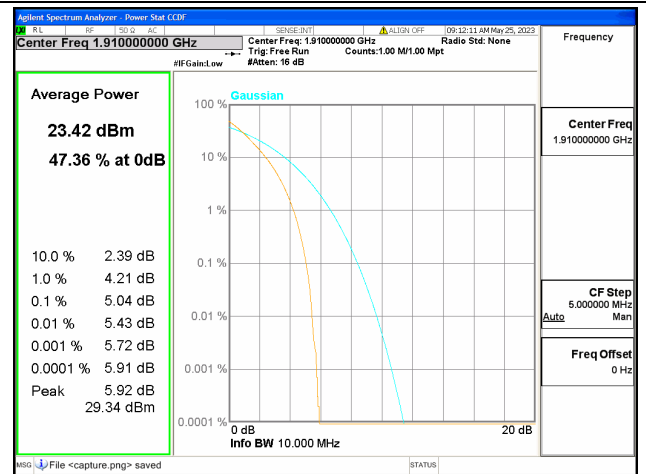
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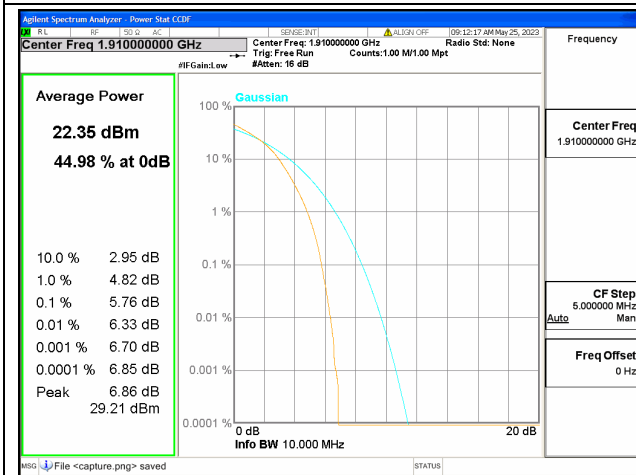
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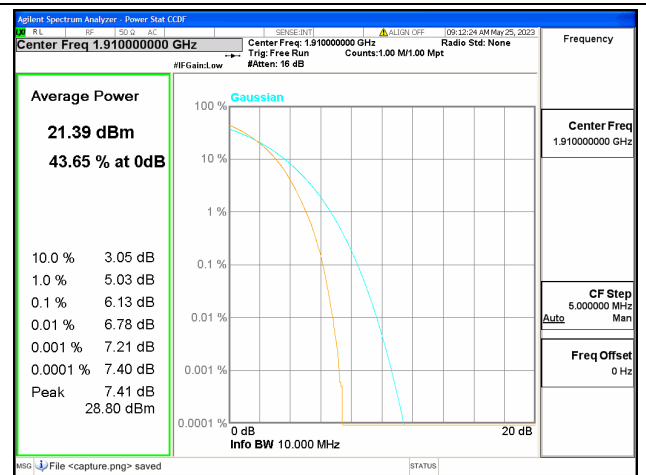
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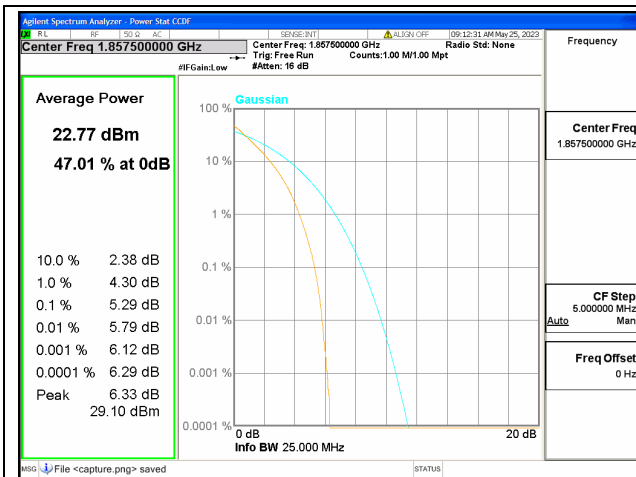
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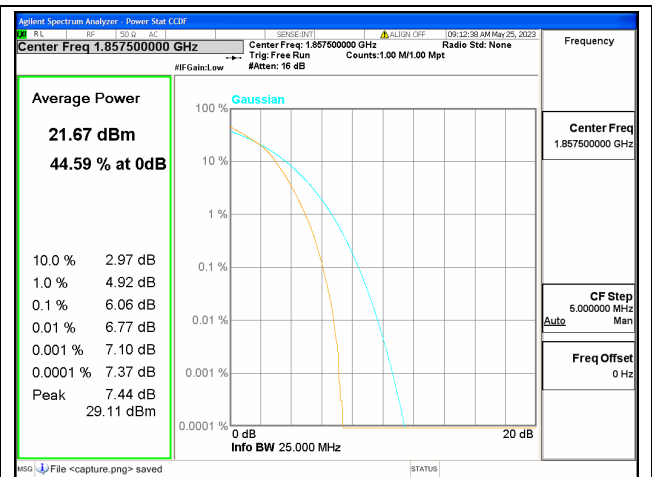
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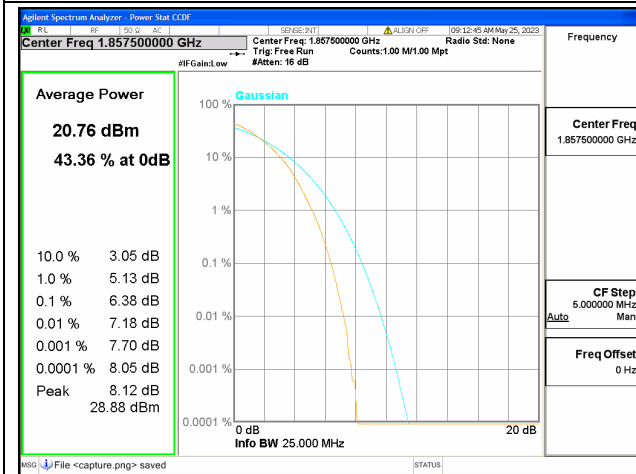
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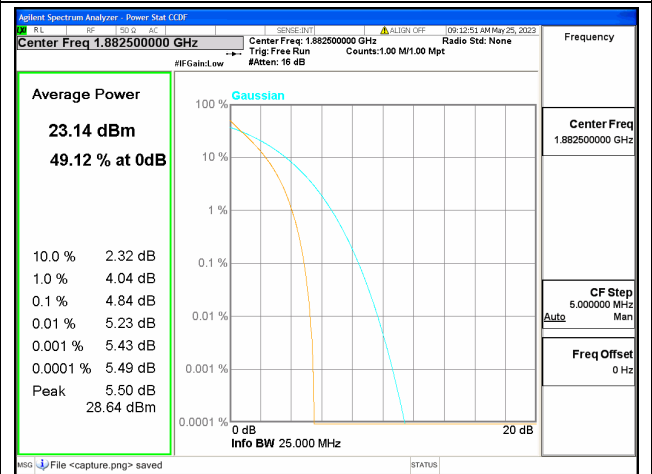
Band25 / 15MHz / Low CH / QPSK



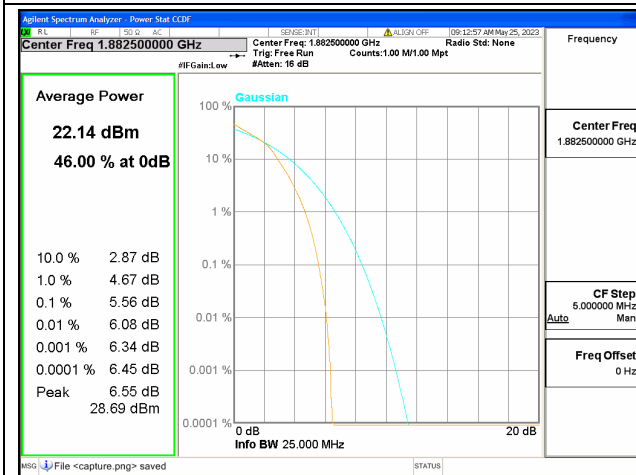
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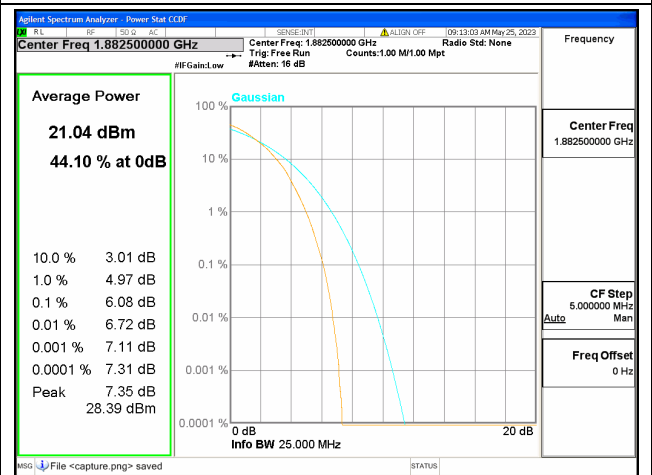
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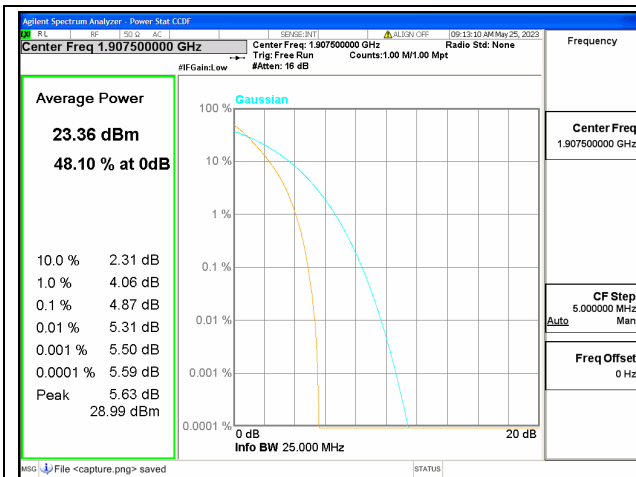
Band25 / 15MHz / Mid CH / QPSK



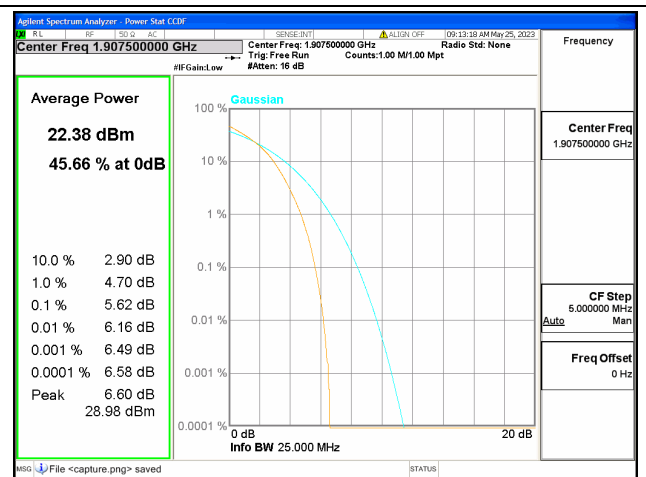
Band25 / 15MHz / Mid CH / 16QAM



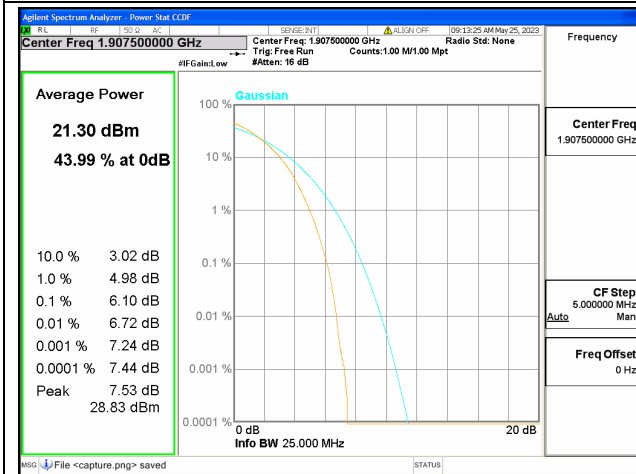
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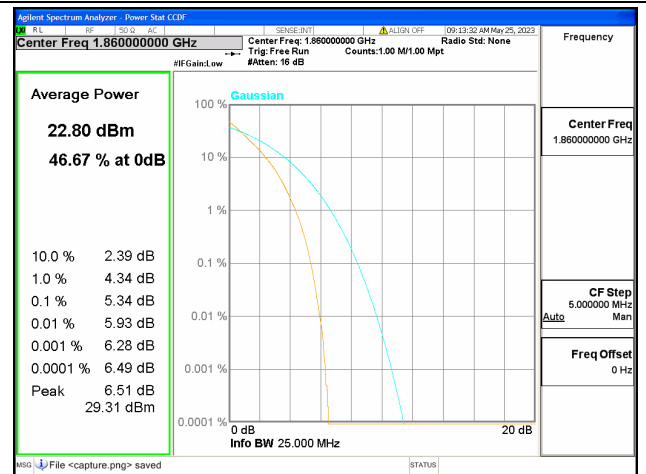
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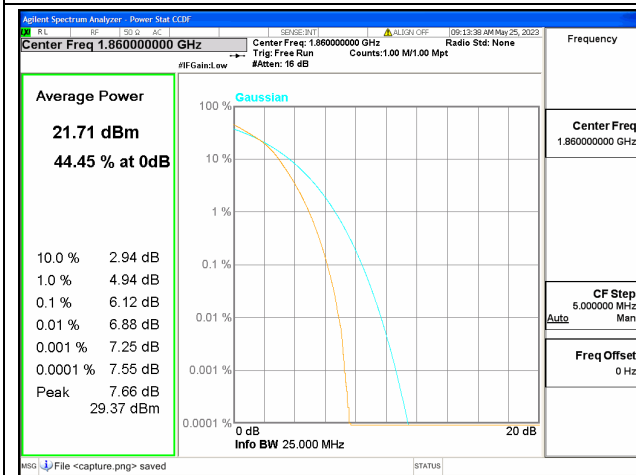
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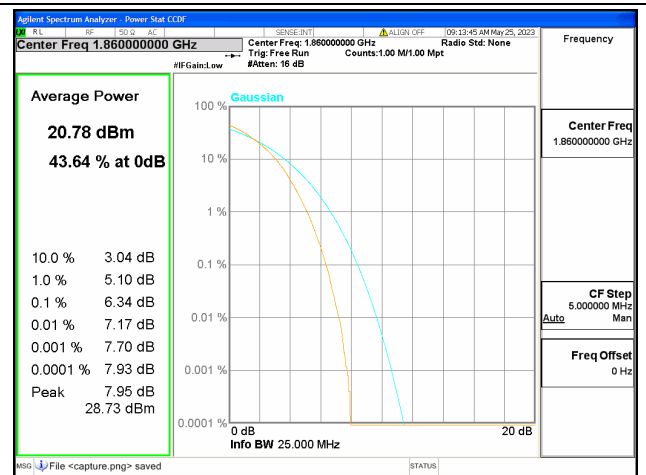
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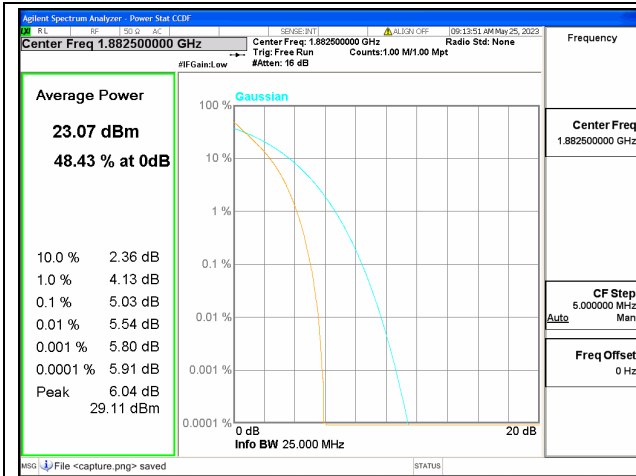
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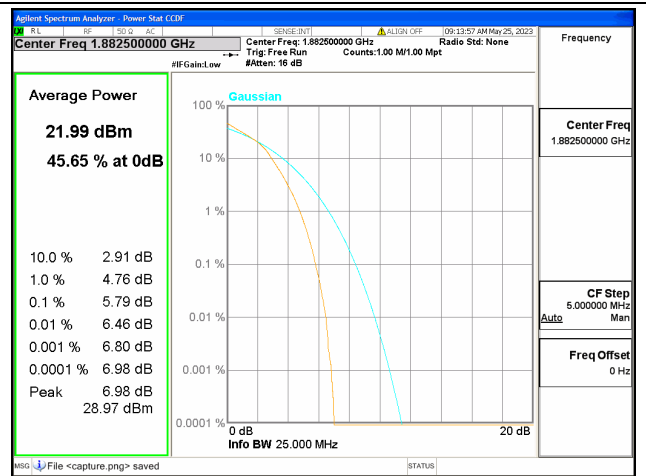
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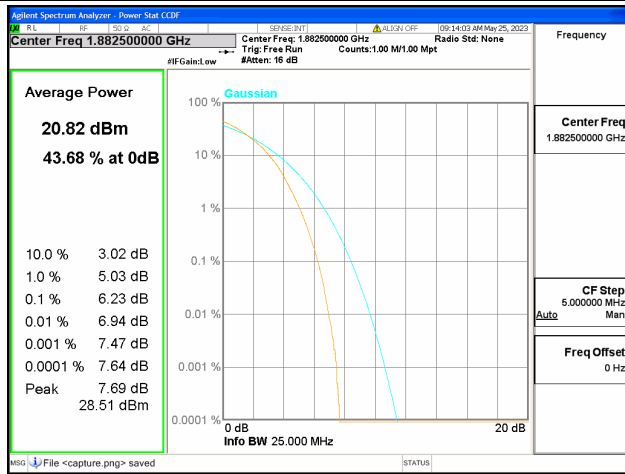
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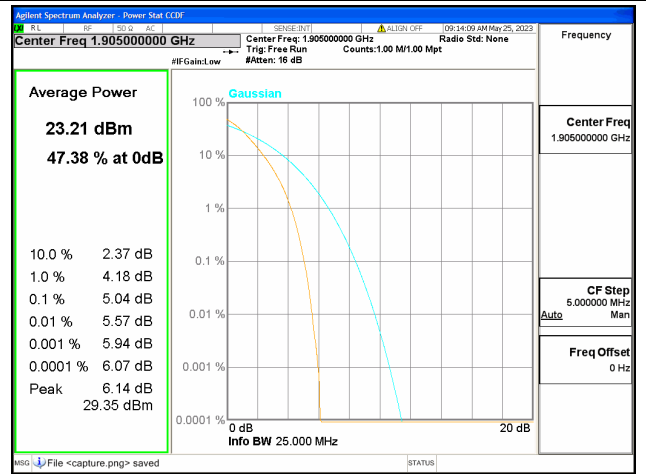
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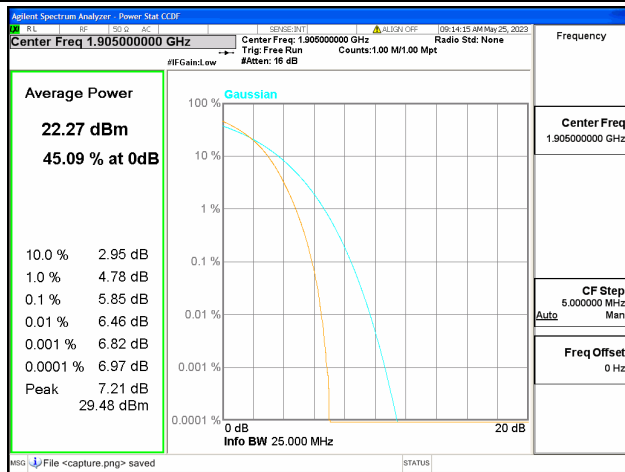
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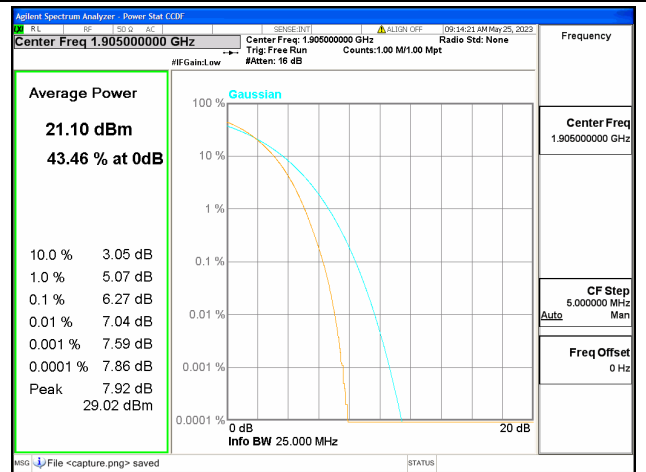
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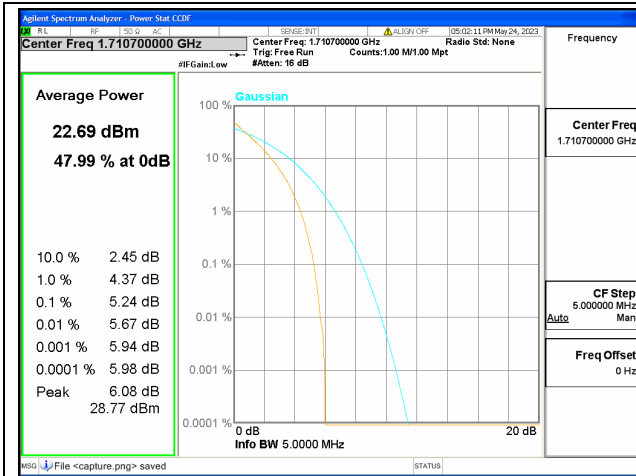
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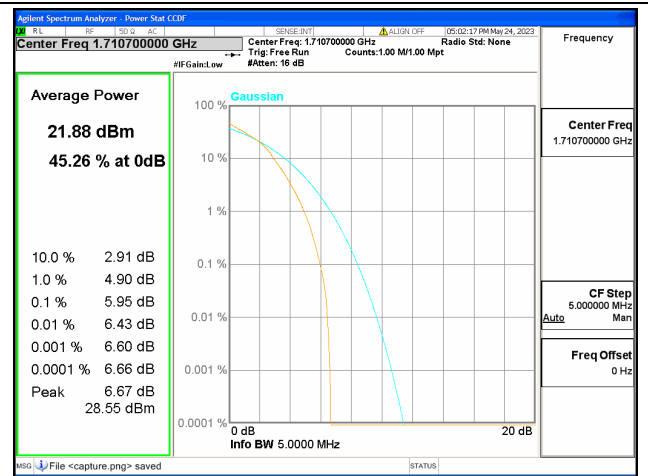
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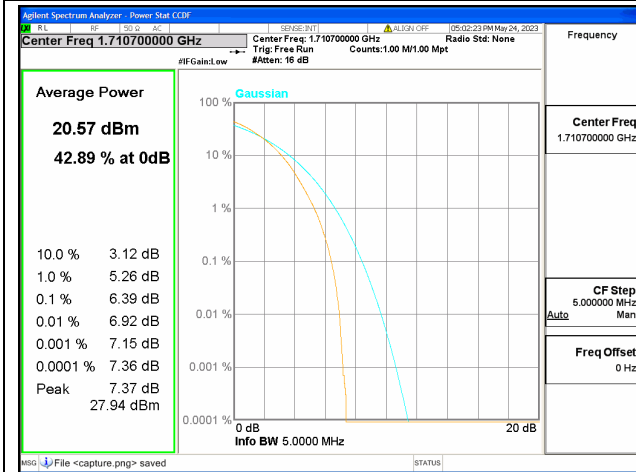
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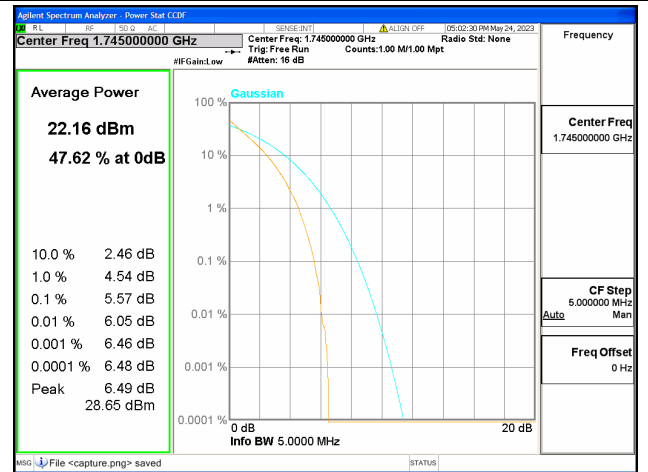
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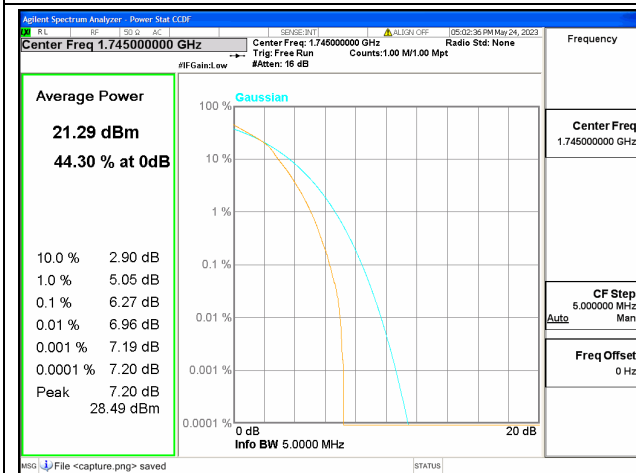
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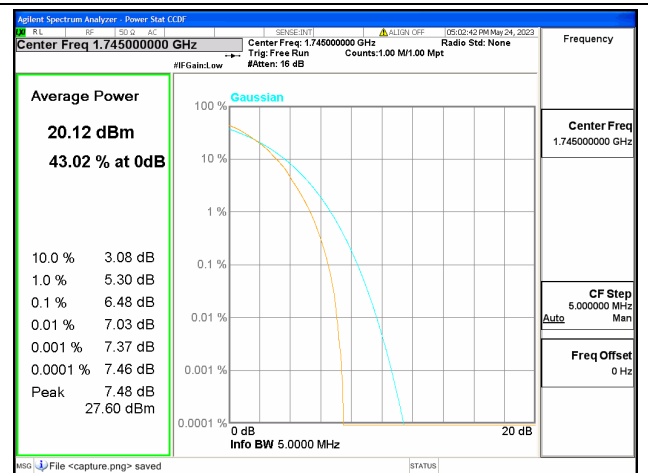
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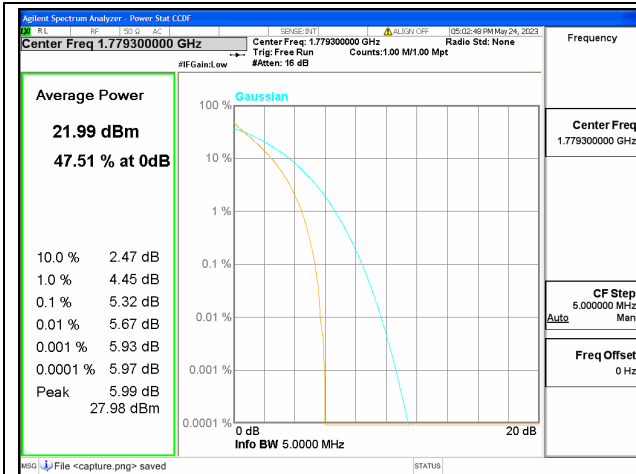
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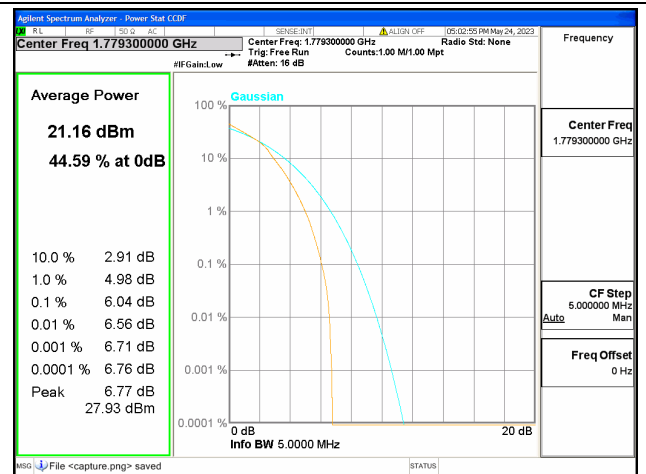
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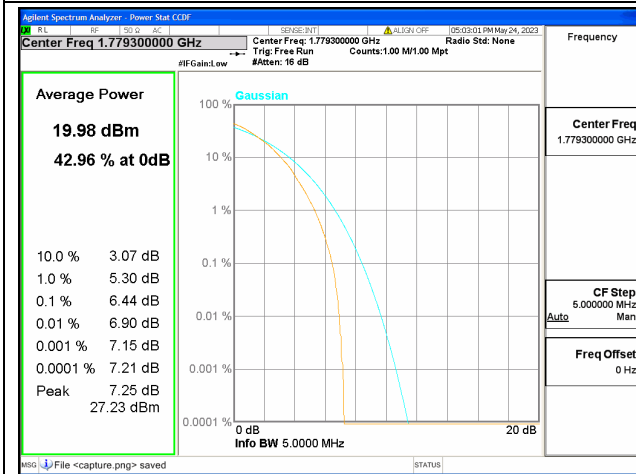
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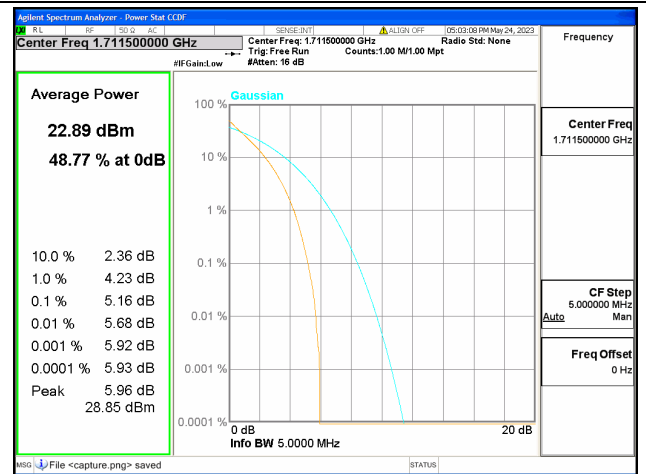
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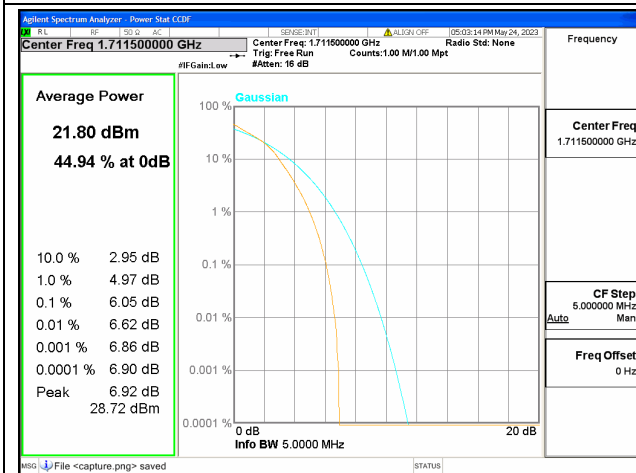
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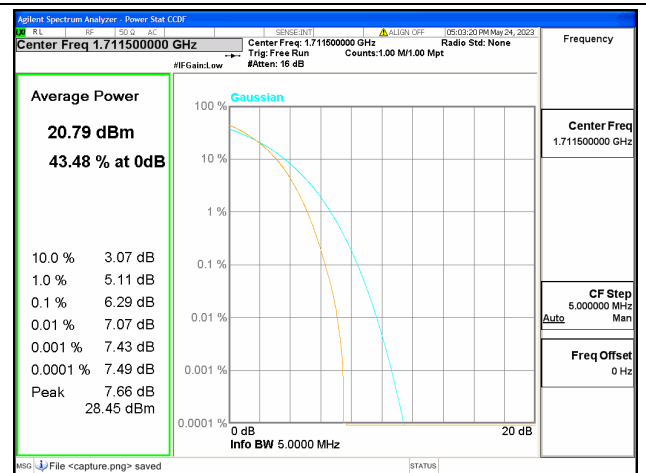
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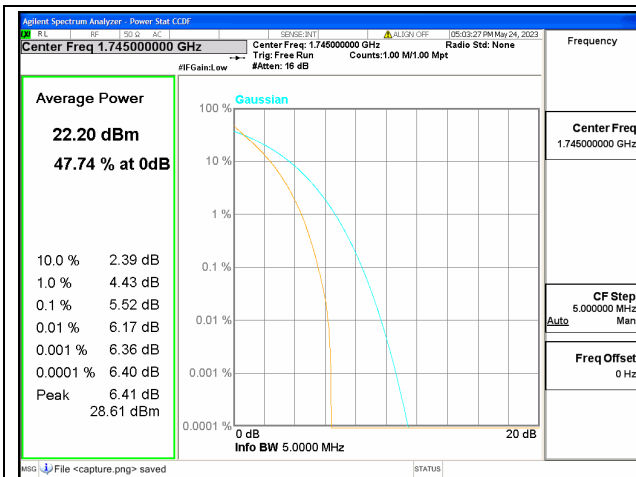
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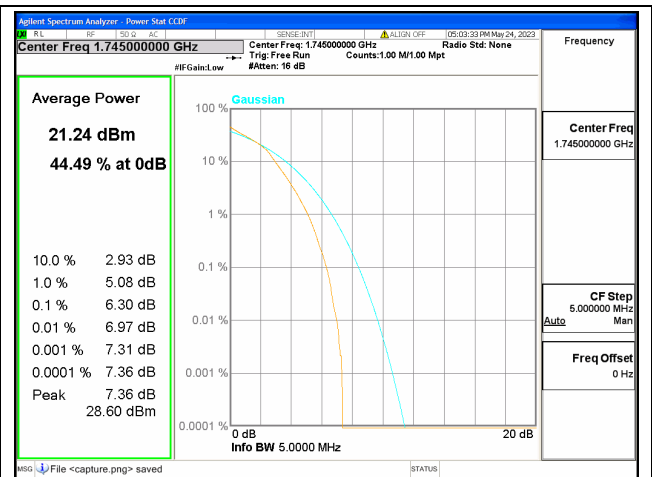
Band66 / 3MHz / Low CH / 16QAM



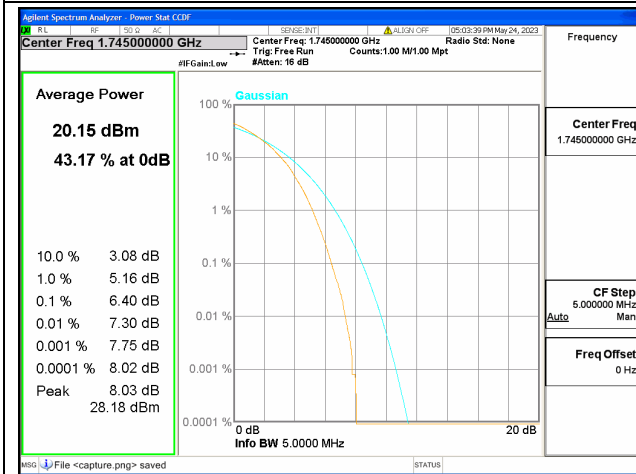
Band66 / 3MHz / Low CH / 64QAM



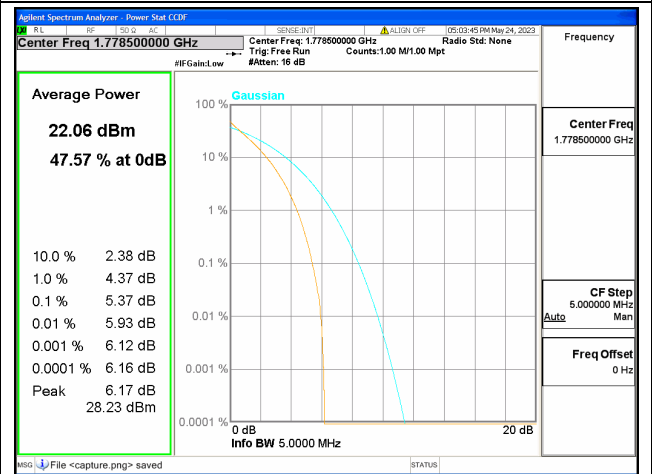
Band66 / 3MHz / Mid CH / QPSK



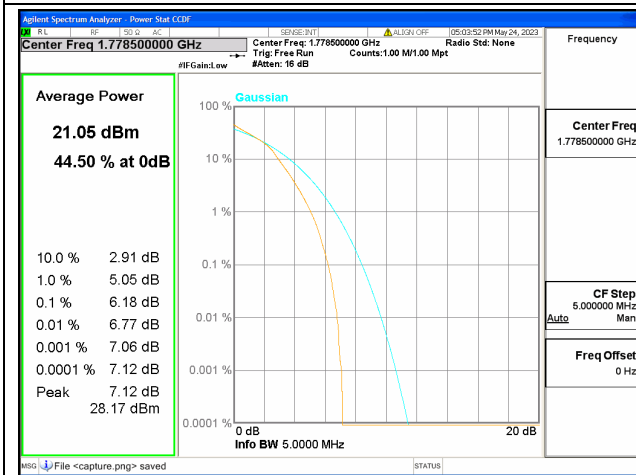
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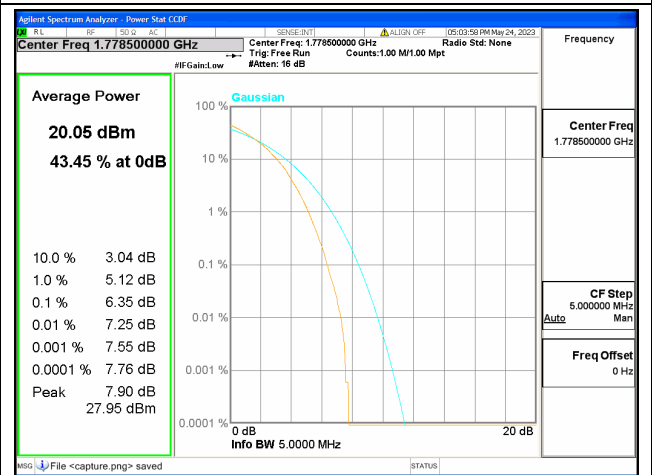
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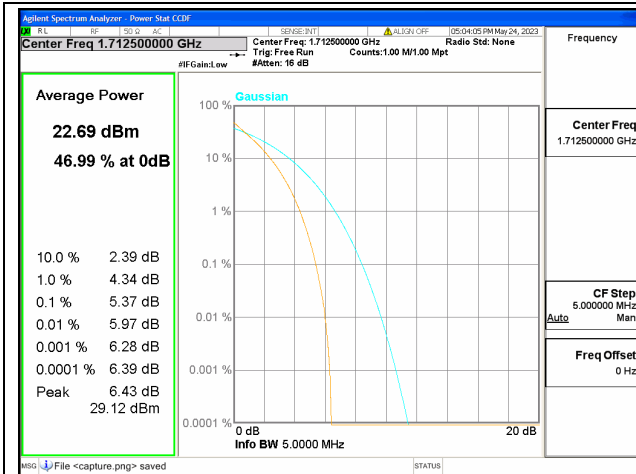
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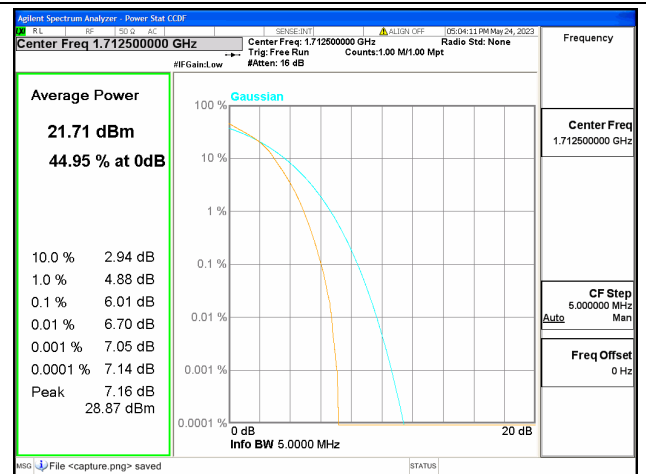
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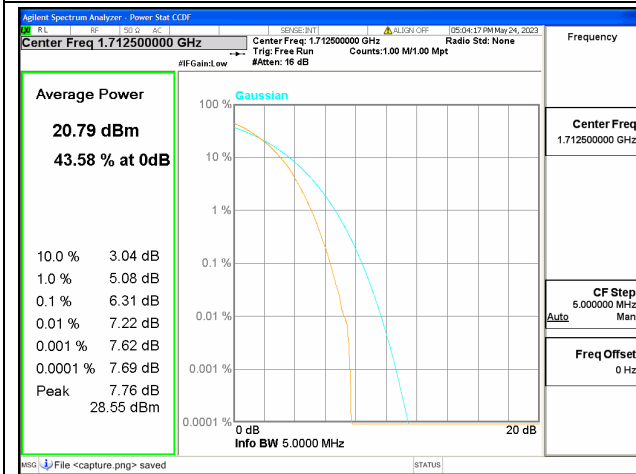
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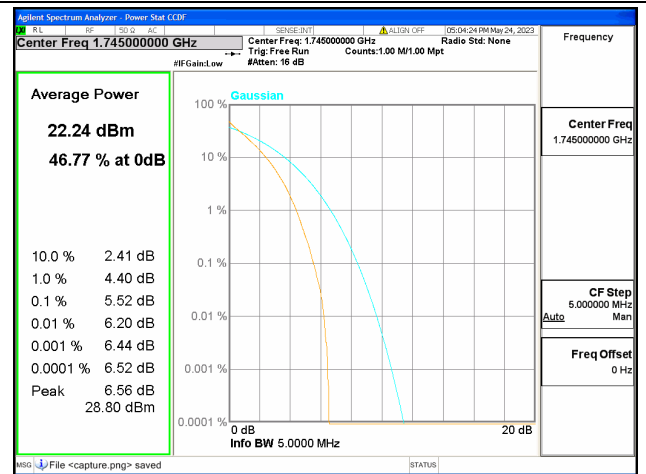
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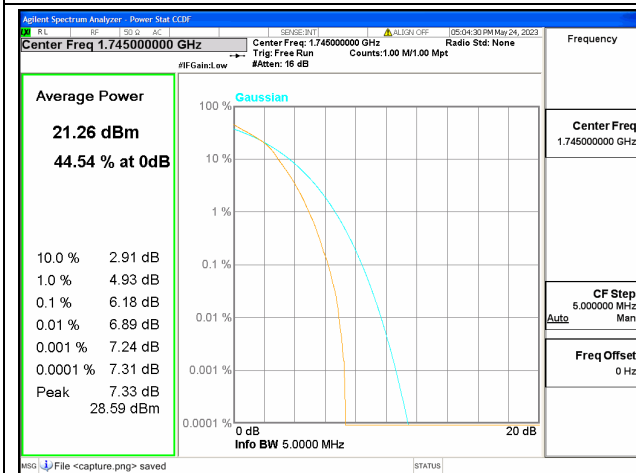
Band66 / 5MHz / Low CH / 16QAM



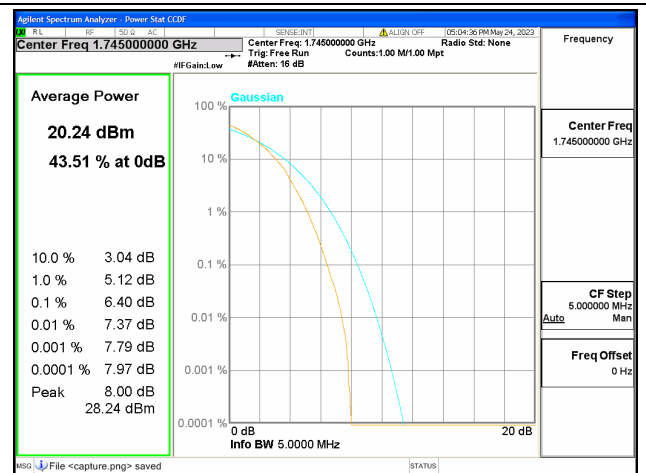
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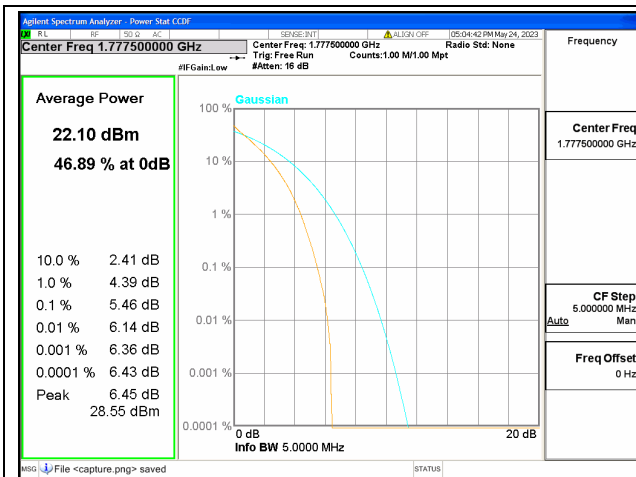
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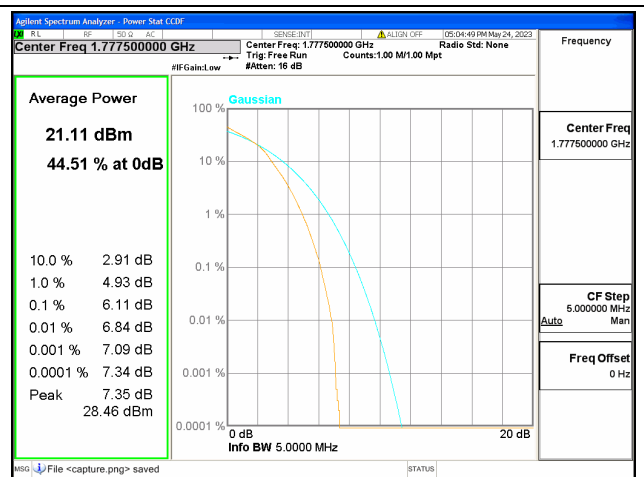
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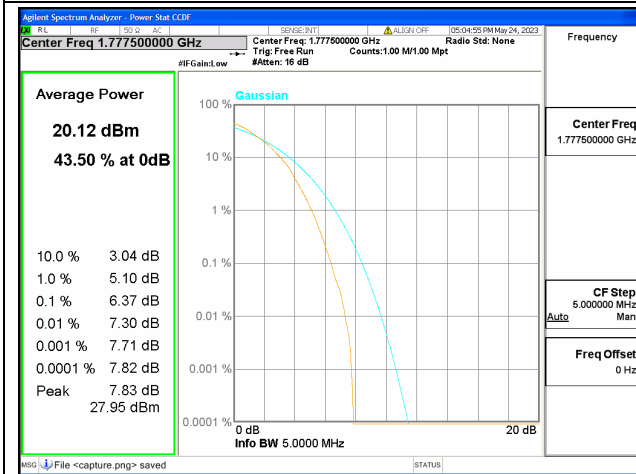
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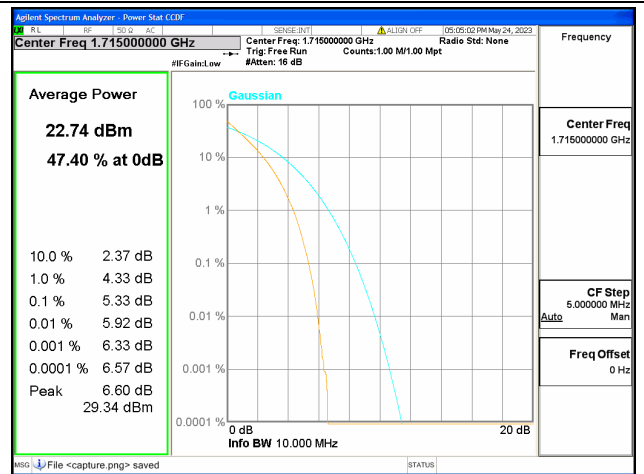
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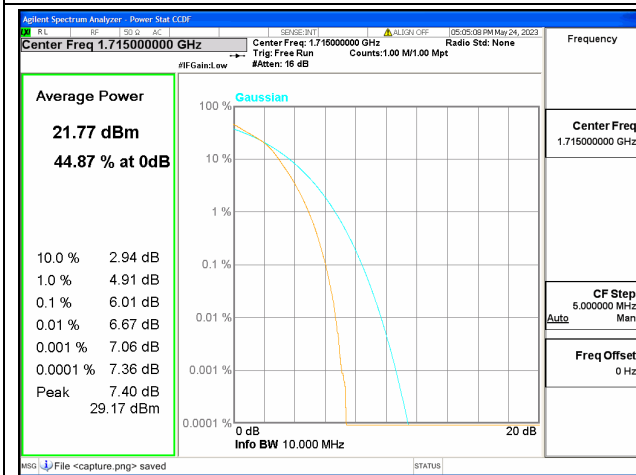
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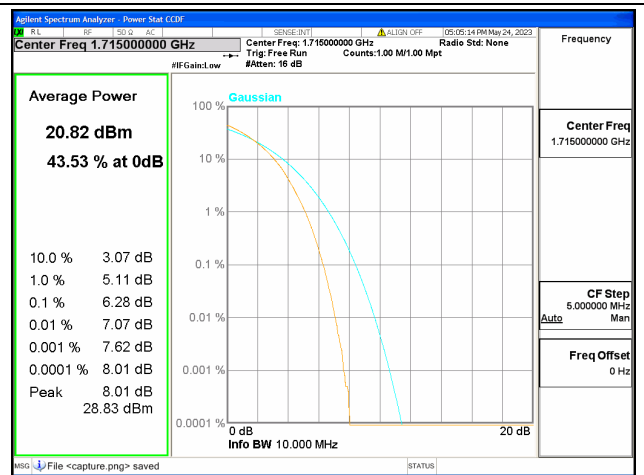
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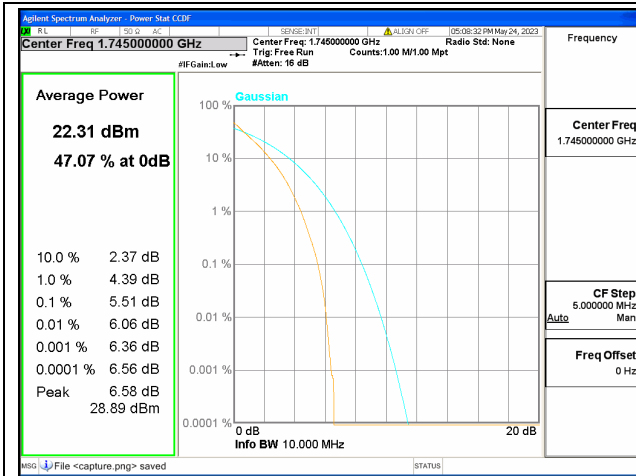
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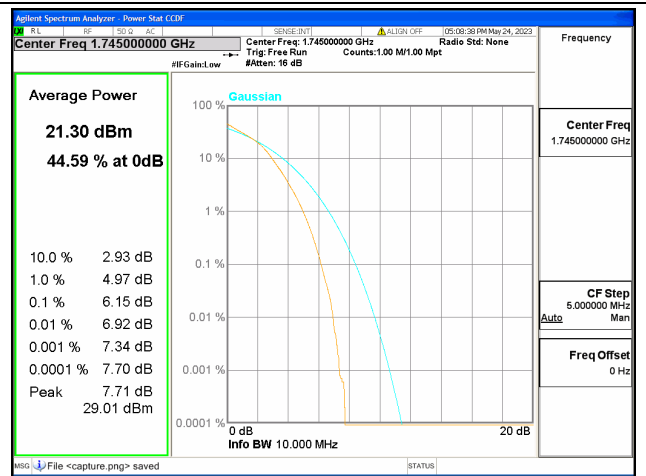
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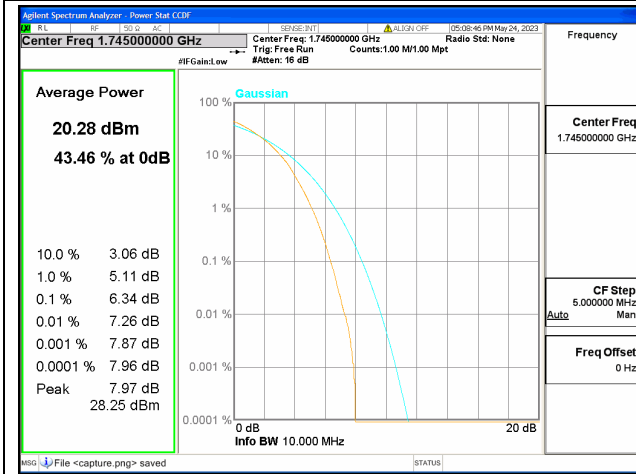
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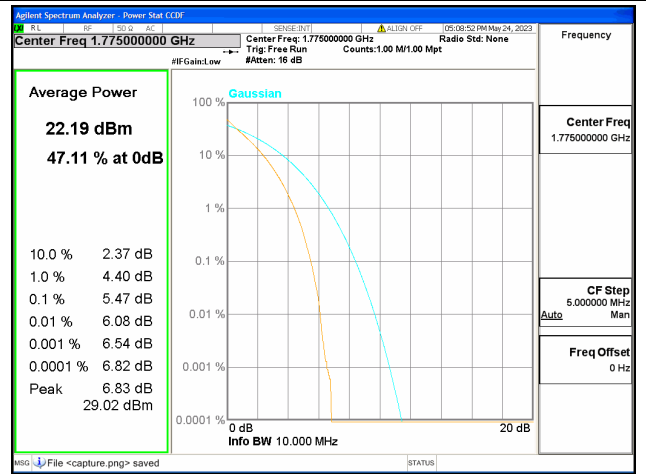
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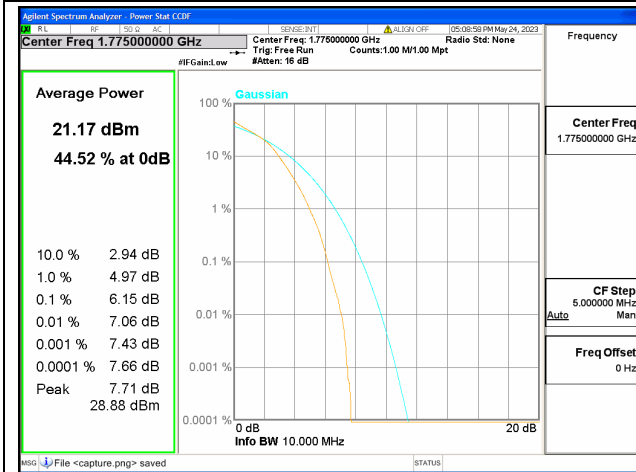
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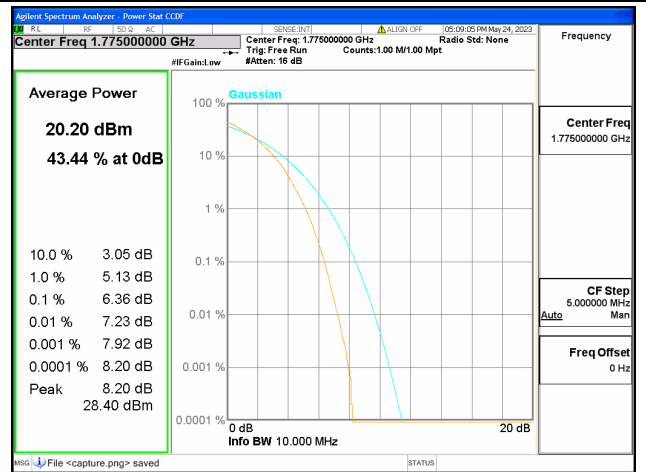
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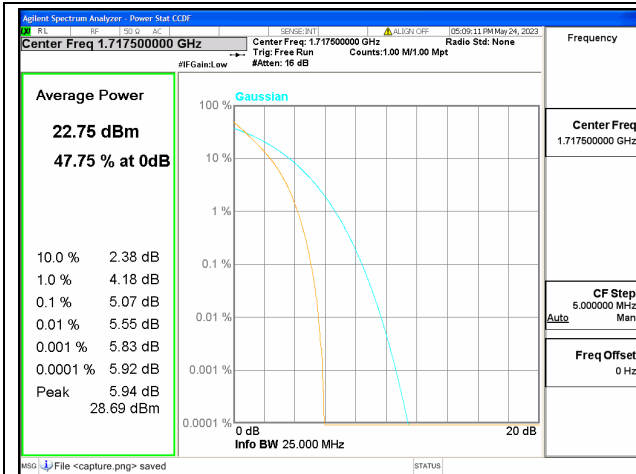
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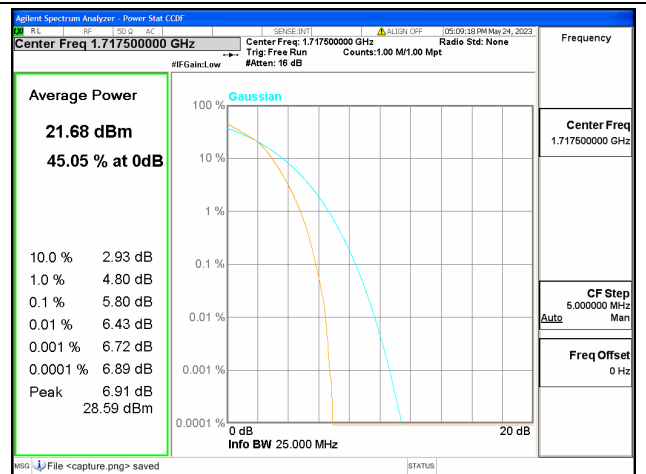
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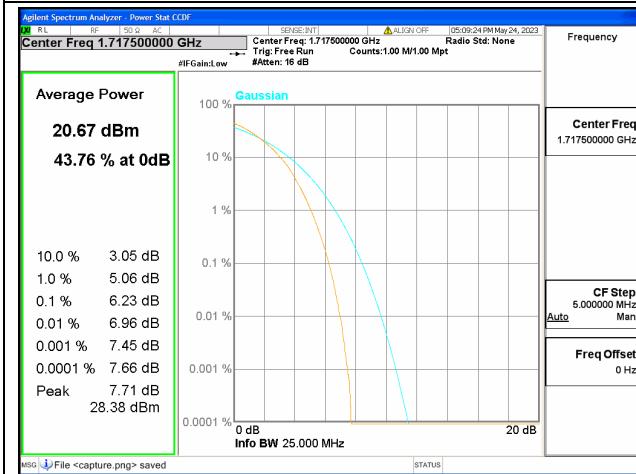
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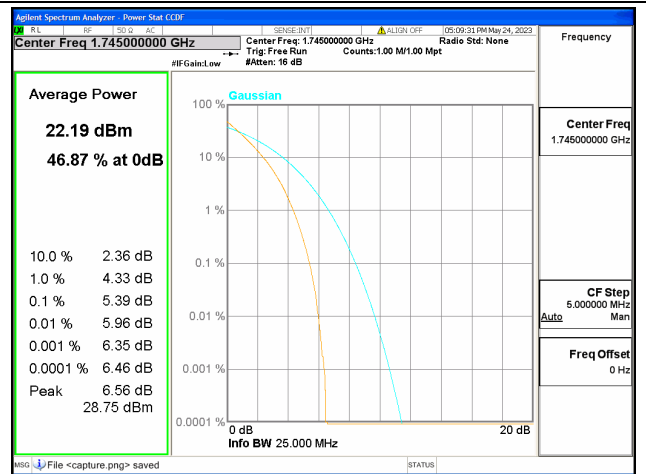
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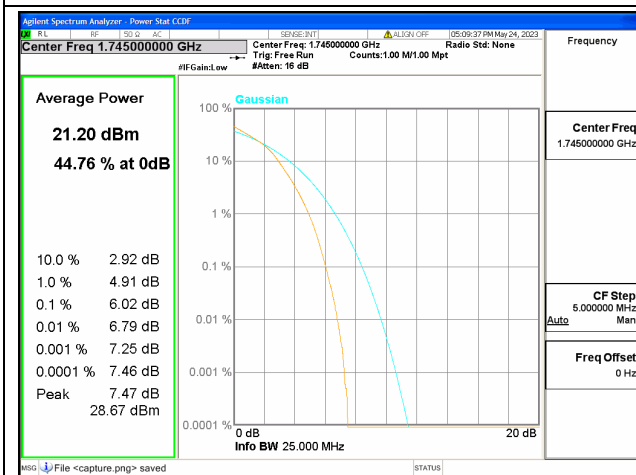
Band66 / 15MHz / Low CH / 16QAM



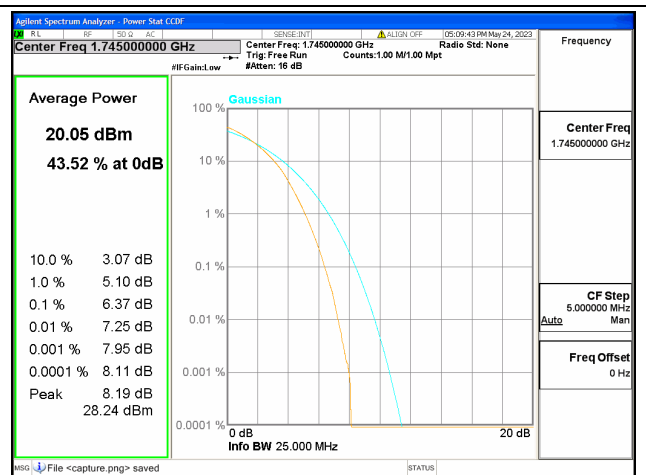
Band66 / 15MHz / Low CH / 64QAM



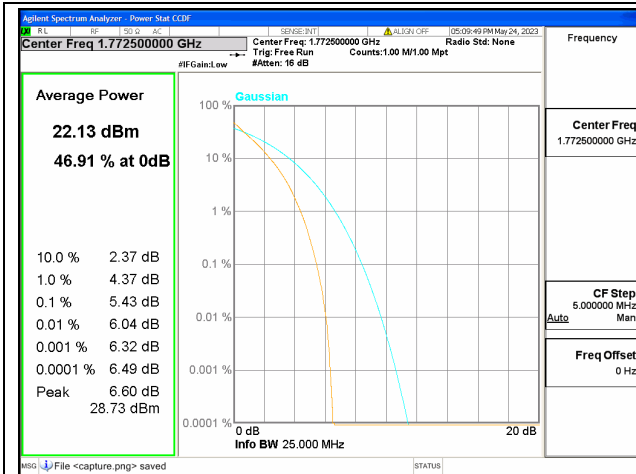
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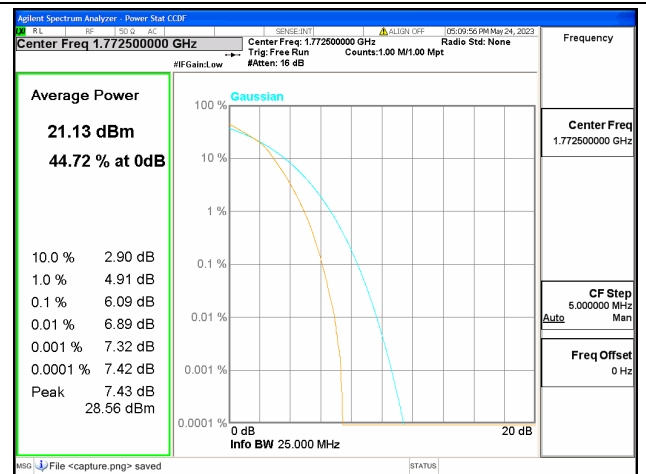
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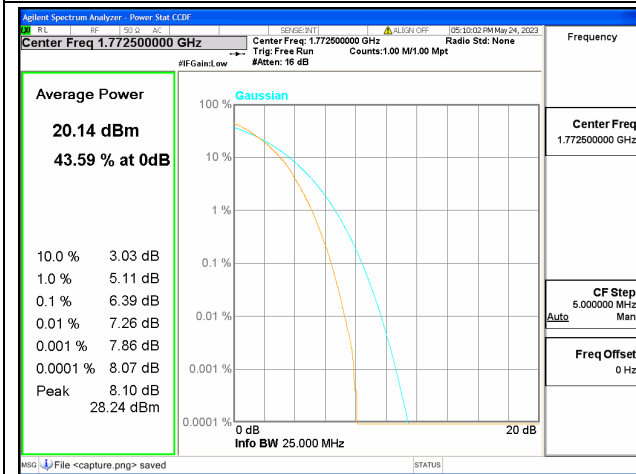
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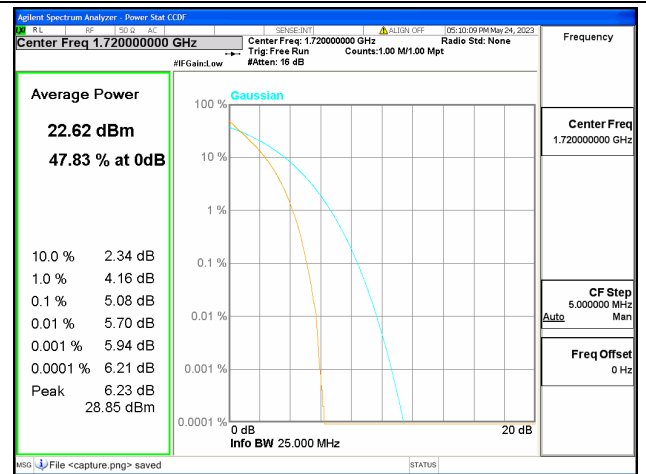
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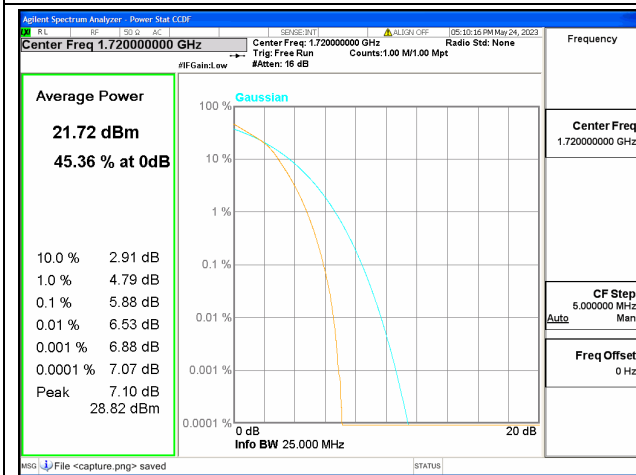
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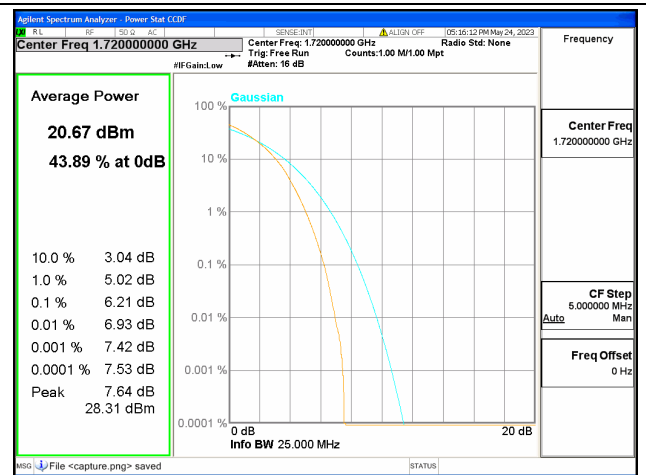
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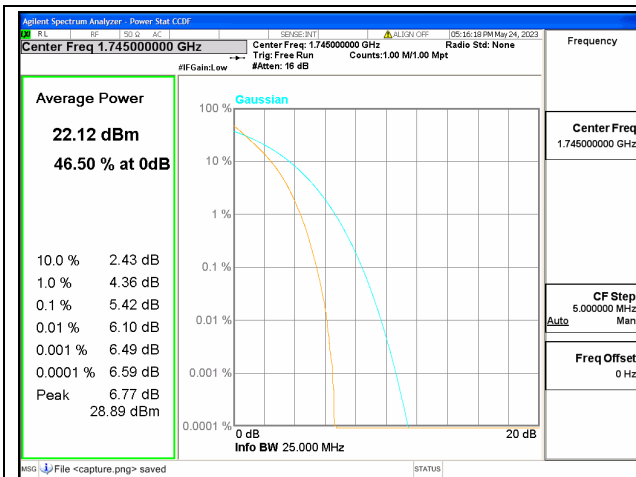
Band66 / 20MHz / Low CH / QPSK



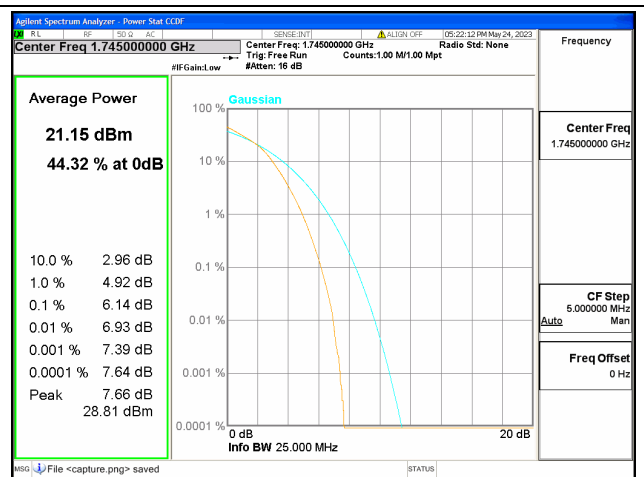
Band66 / 20MHz / Low CH / 16QAM



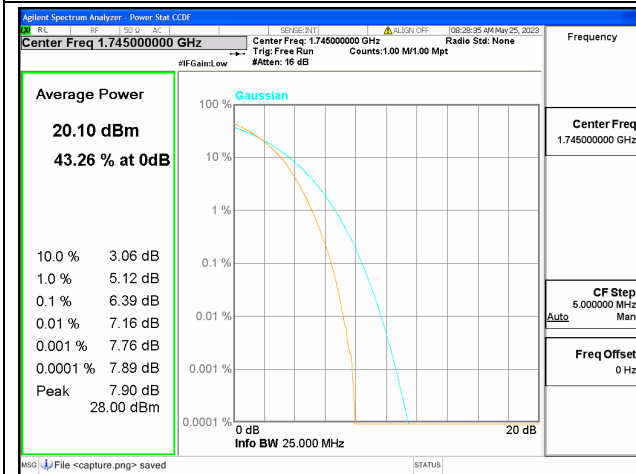
Band66 / 20MHz / Low CH / 64QAM



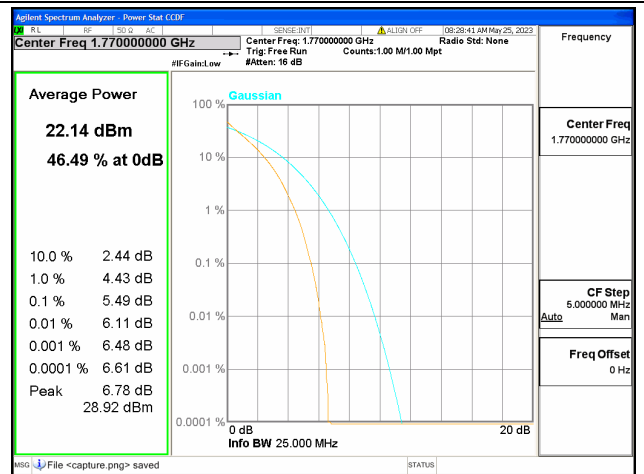
Band66 / 20MHz / Mid CH / QPSK



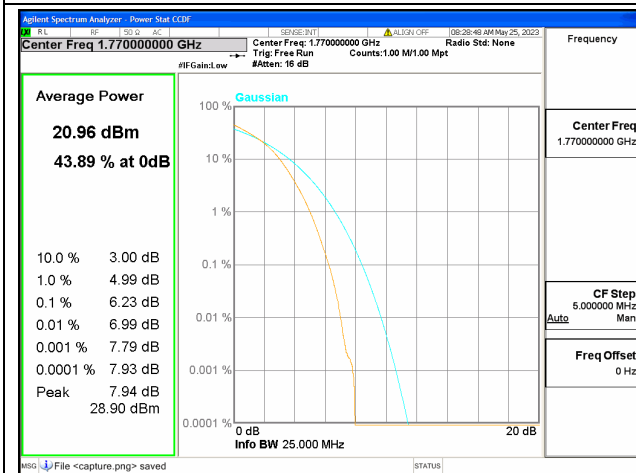
Band66 / 20MHz / Mid CH / 16QAM



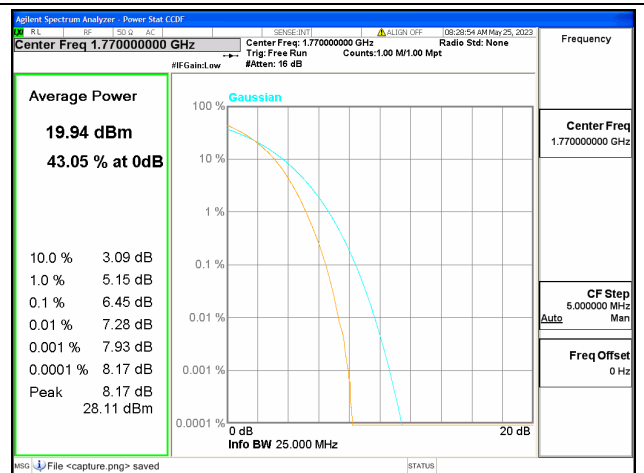
Band66 / 20MHz / Mid CH / 64QAM



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 2/25:

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

Additional requirement for LTE Band 4/66:

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

Additional requirement for LTE Band 5/26:

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 41:

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

Additional requirement for LTE Band 12/17:

For operations in the 600 MHz band and the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. This calculated to be -13dBm.

Additional requirement for LTE Band 13

According to FCC section 27.53(c)(2), any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB in a 100kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed. This calculated to be -13dBm.

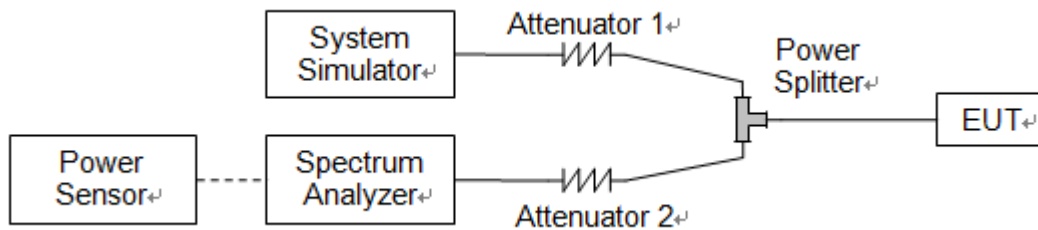
Additional requirement for LTE Band 14:

On any frequency outside of the frequency ranges covered by the ACP tables in this section, the power of any emission must be reduced below the mean output power (P) by at least $43 + 10\log(P)$ dB measured in a 100 kHz bandwidth for frequencies less than 1 GHz, and in a 1 MHz bandwidth for frequencies greater than 1 GHz.

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



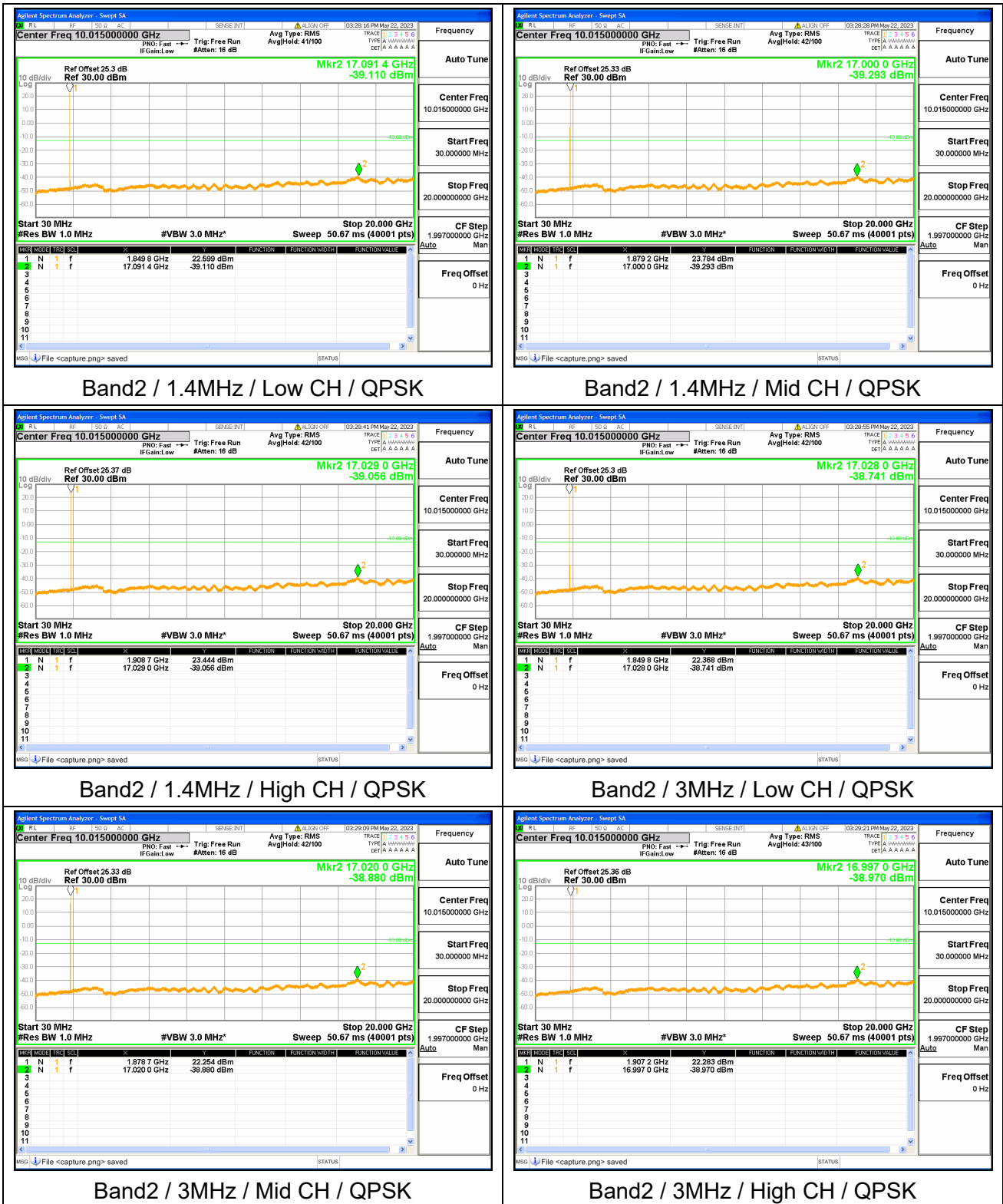
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum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

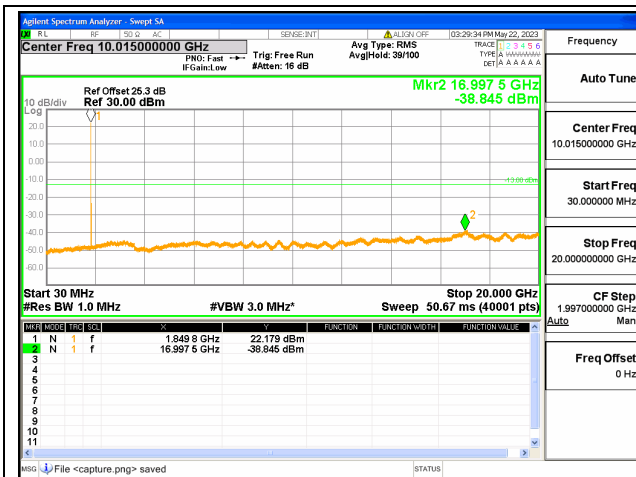
2.5.3. Test Procedure

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

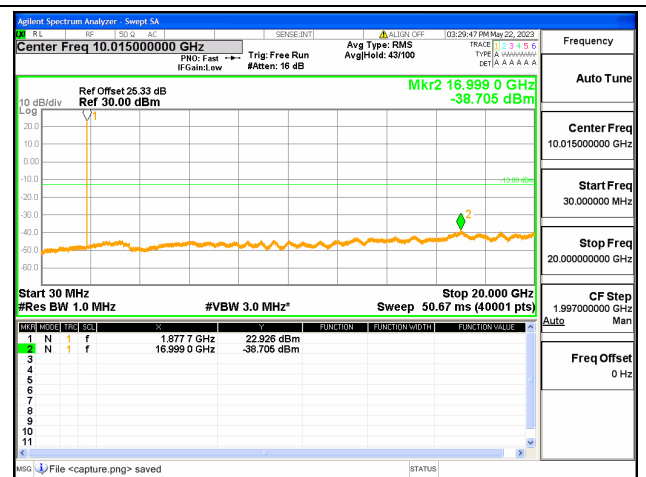


2.5.4. Test Result

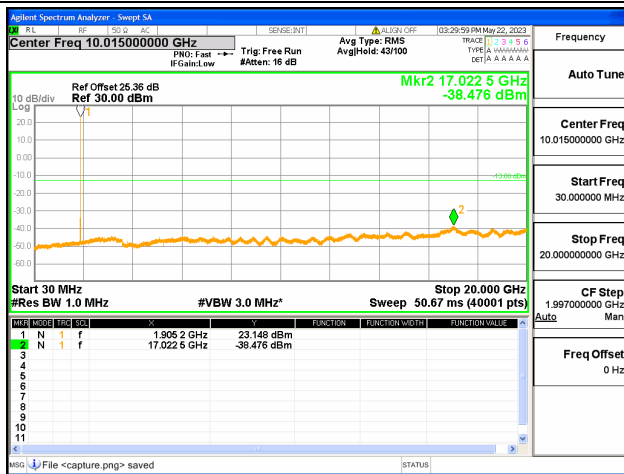




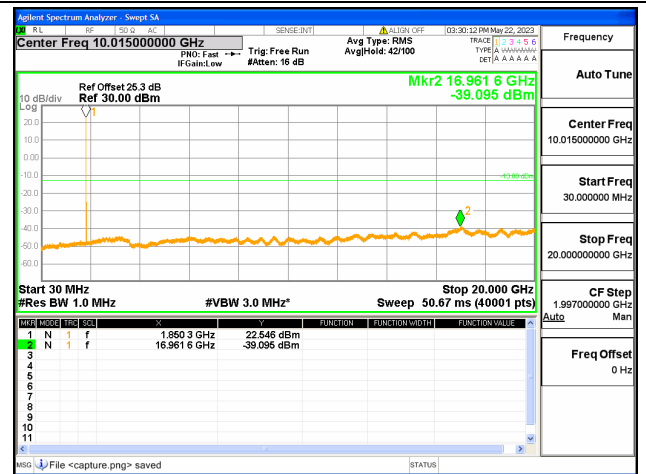
Band2 / 5MHz / Low CH / QPSK



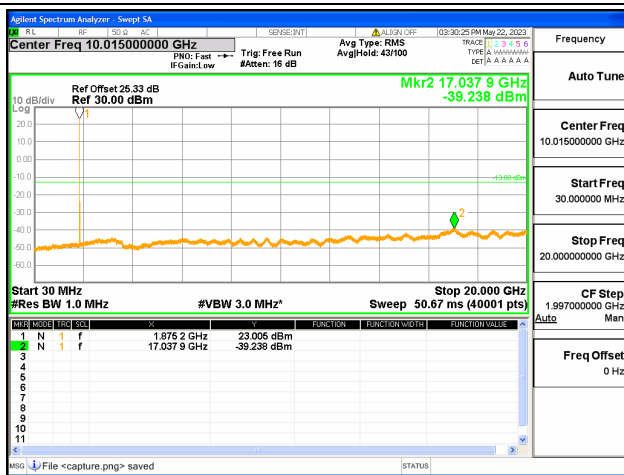
Band2 / 5MHz / Mid CH / QPSK



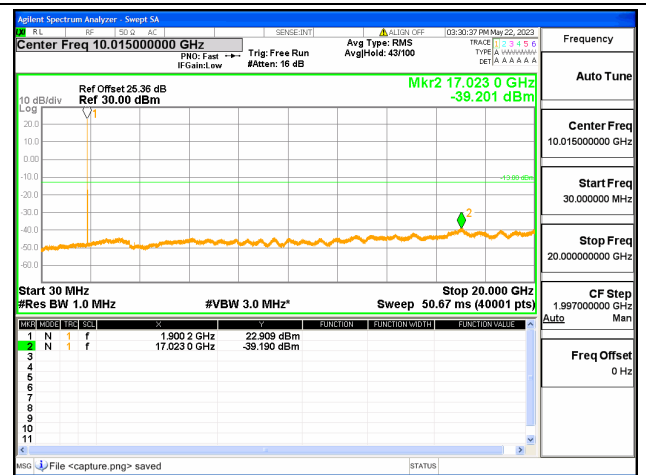
Band2 / 5MHz / High CH / QPSK



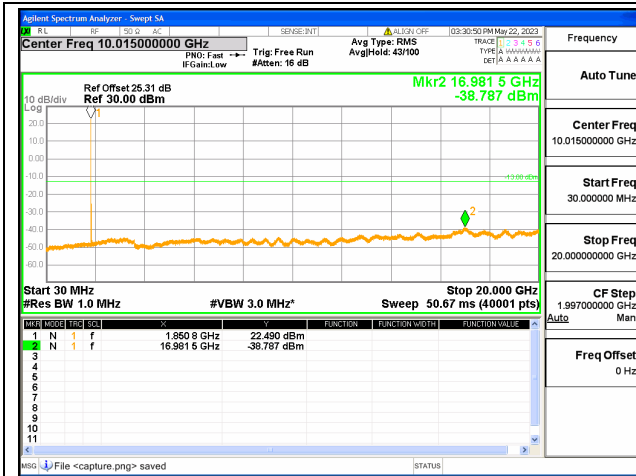
Band2 / 10MHz / Low CH / QPSK



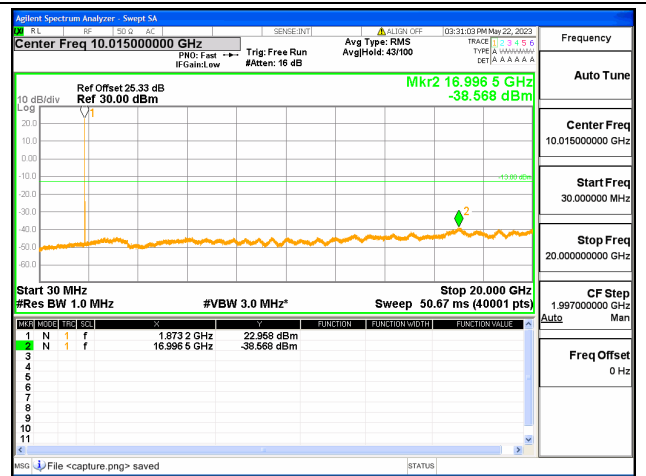
Band2 / 10MHz / Mid CH / QPSK



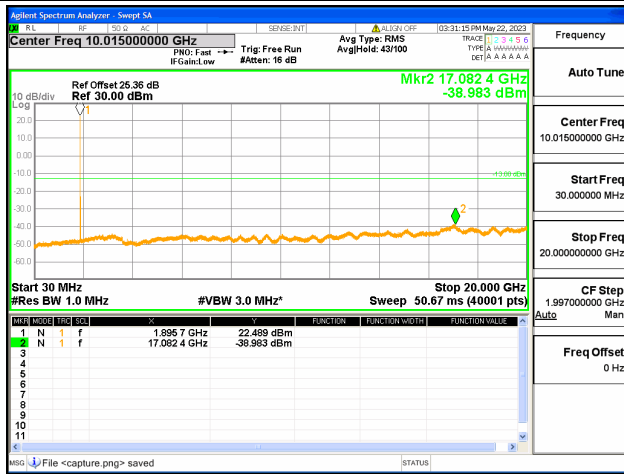
Band2 / 10MHz / High CH / QPSK



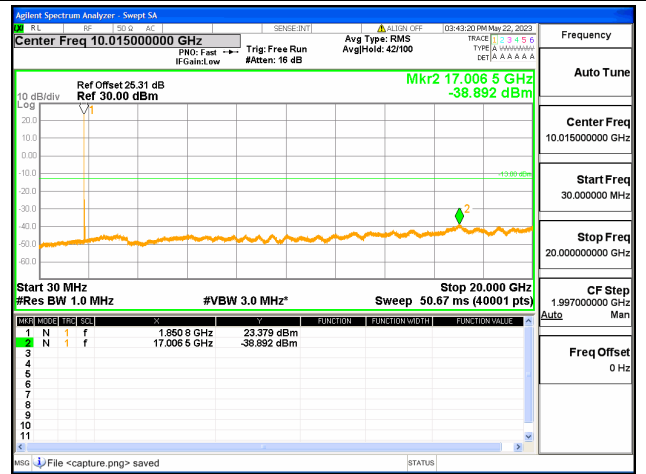
Band2 / 15MHz / Low CH / QPSK



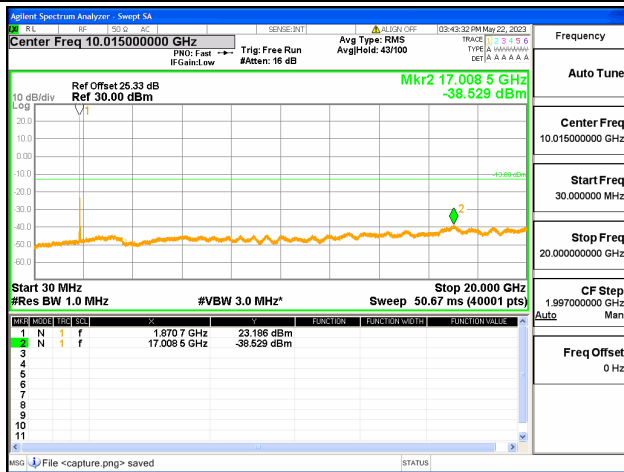
Band2 / 15MHz / Mid CH / QPSK



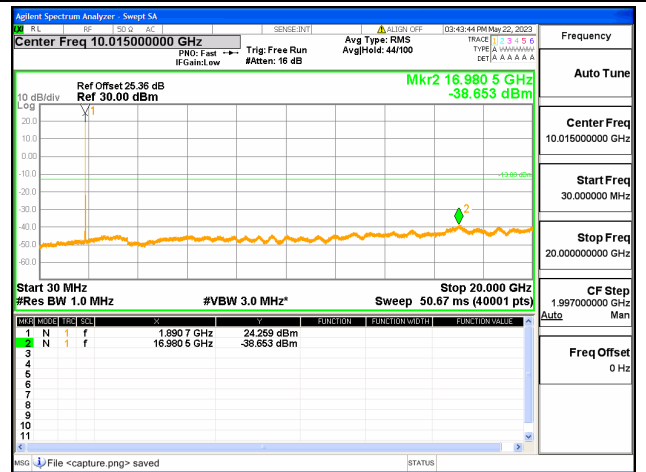
Band2 / 15MHz / High CH / QPSK



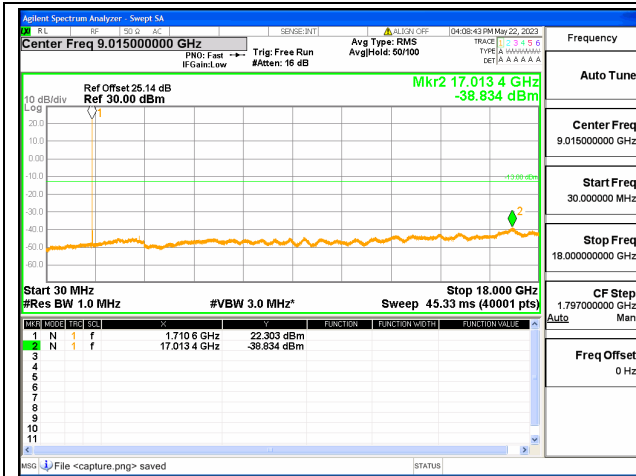
Band2 / 20MHz / Low CH / QPSK



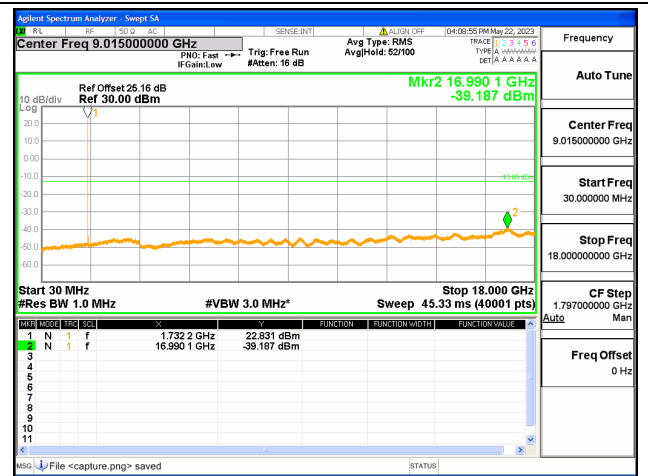
Band2 / 20MHz / Mid CH / QPSK



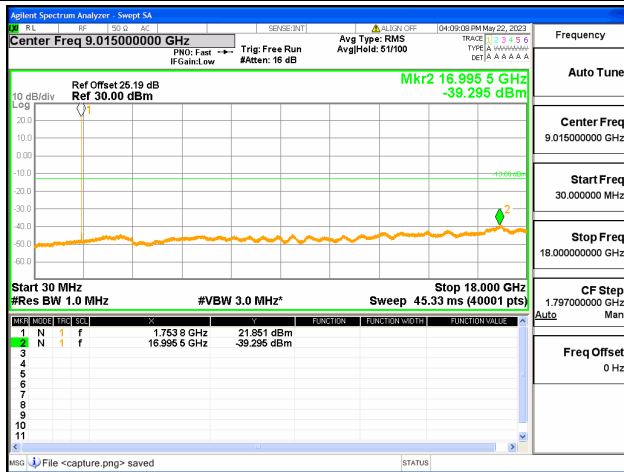
Band2 / 20MHz / High CH / QPSK



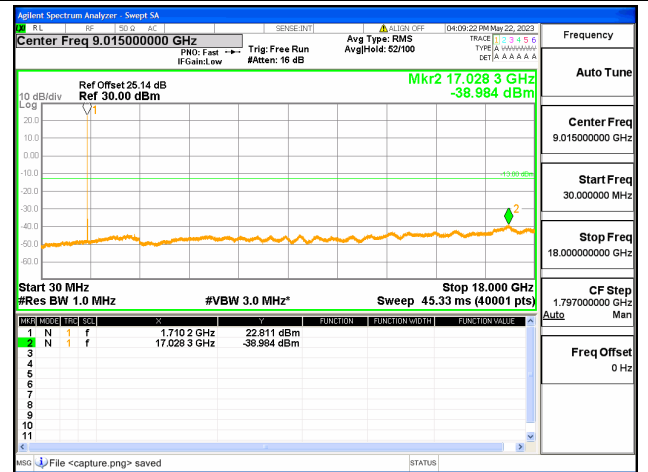
Band4 / 1.4MHz / Low CH / QPSK



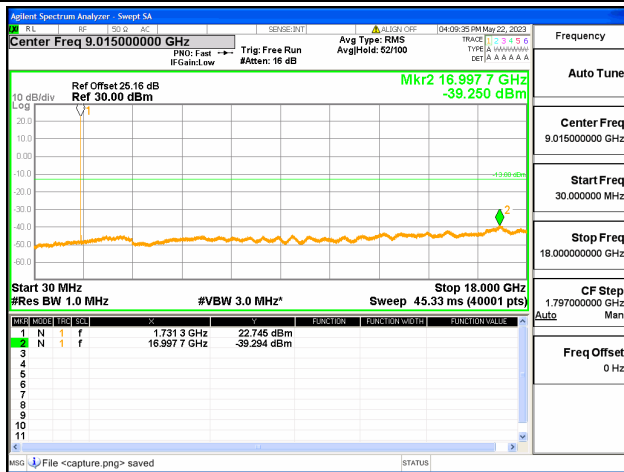
Band4 / 1.4MHz / Mid CH / QPSK



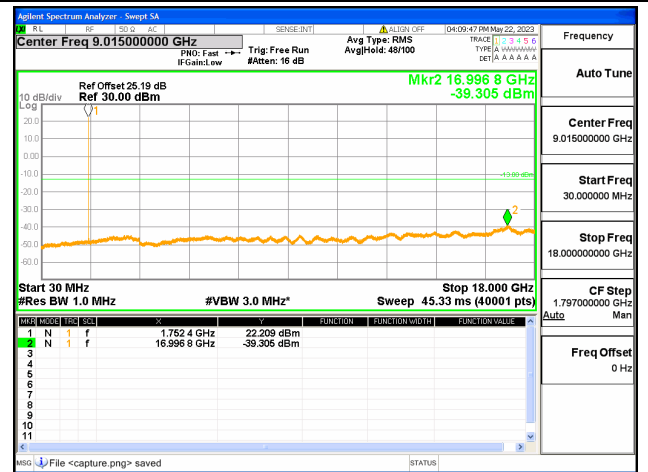
Band4 / 1.4MHz / High CH / QPSK



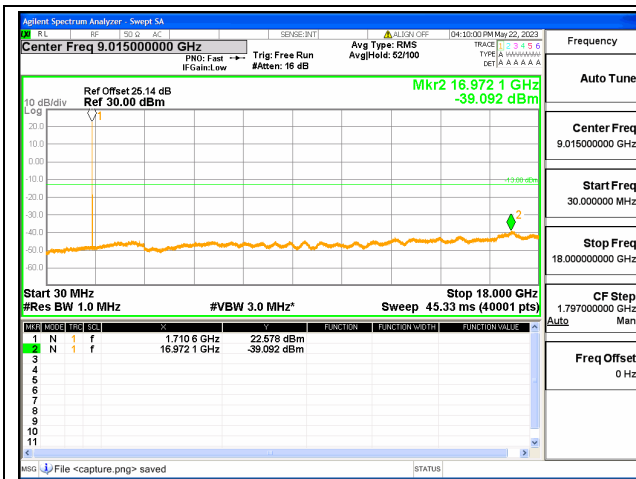
Band4 / 3MHz / Low CH / QPSK



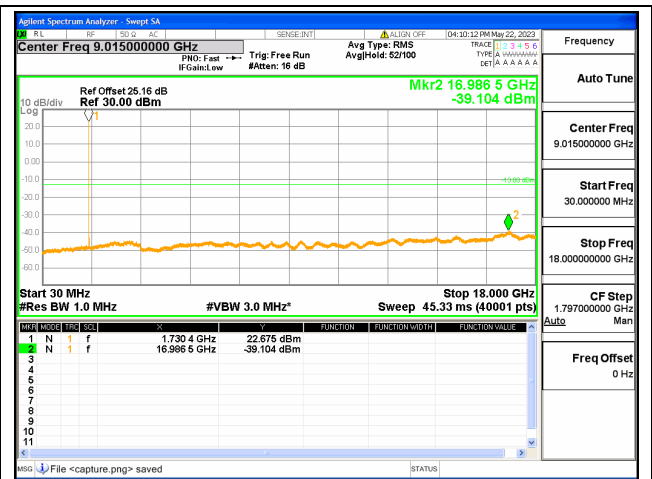
Band4 / 3MHz / Mid CH / QPSK



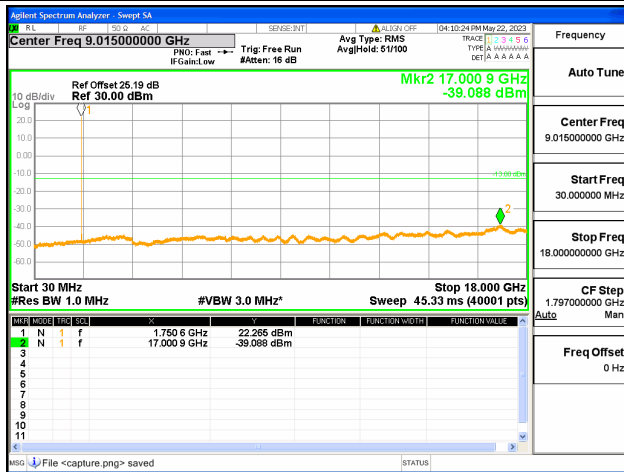
Band4 / 3MHz / High CH / QPSK



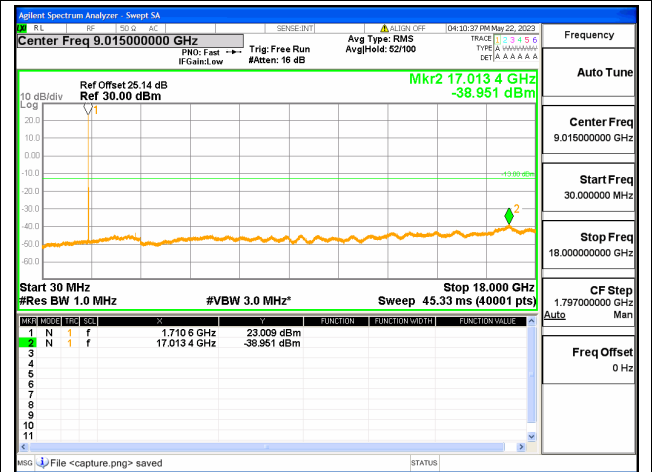
Band4 / 5MHz / Low CH / QPSK



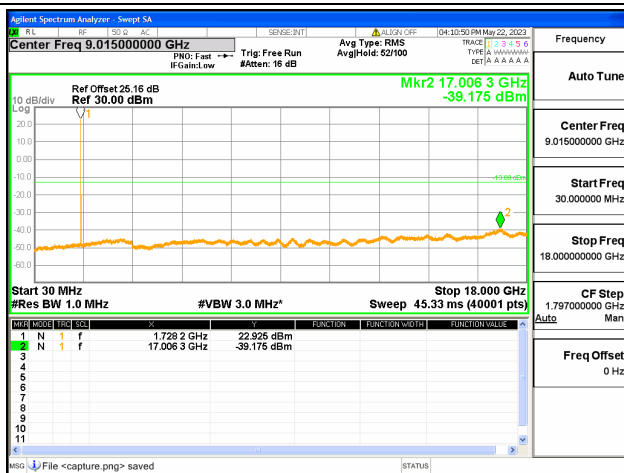
Band4 / 5MHz / Mid CH / QPSK



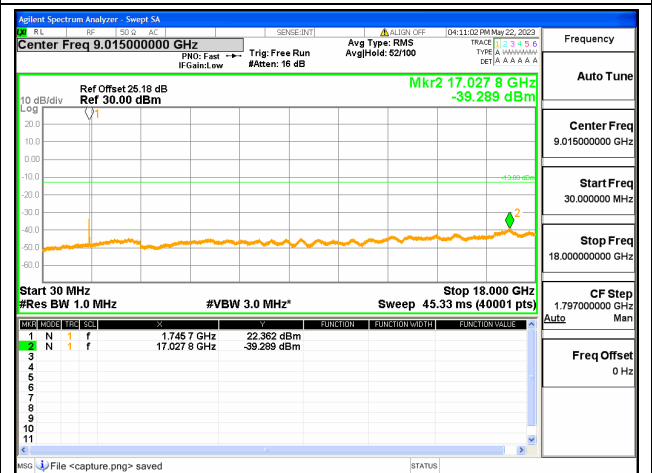
Band4 / 5MHz / High CH / QPSK



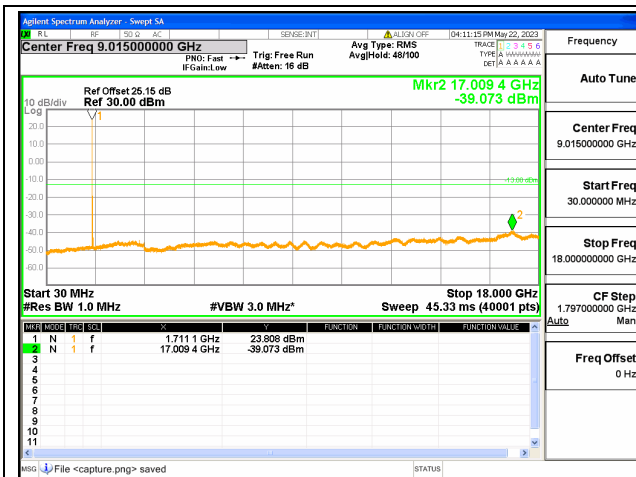
Band4 / 10MHz / Low CH / QPSK



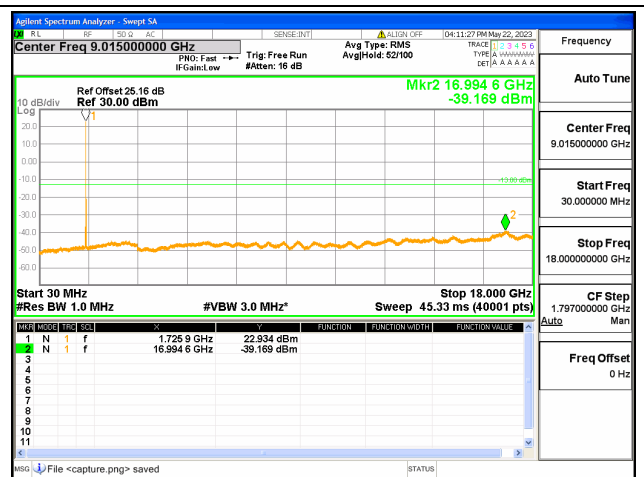
Band4 / 10MHz / Mid CH / QPSK



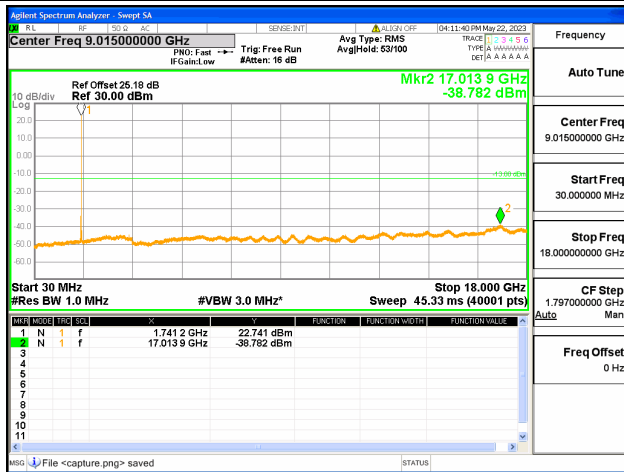
Band4 / 10MHz / High CH / QPSK



Band4 / 15MHz / Low CH / QPSK



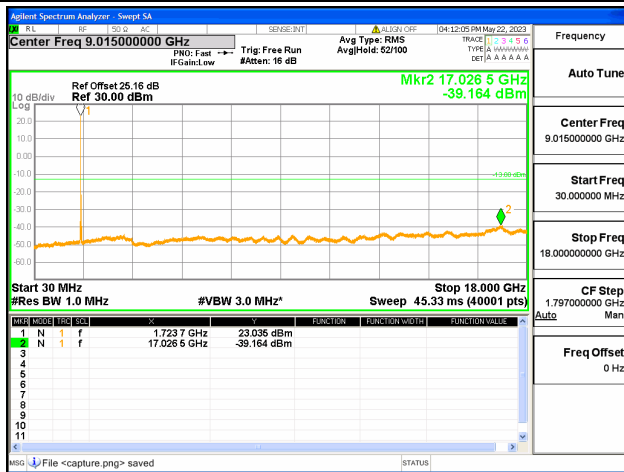
Band4 / 15MHz / Mid CH / QPSK



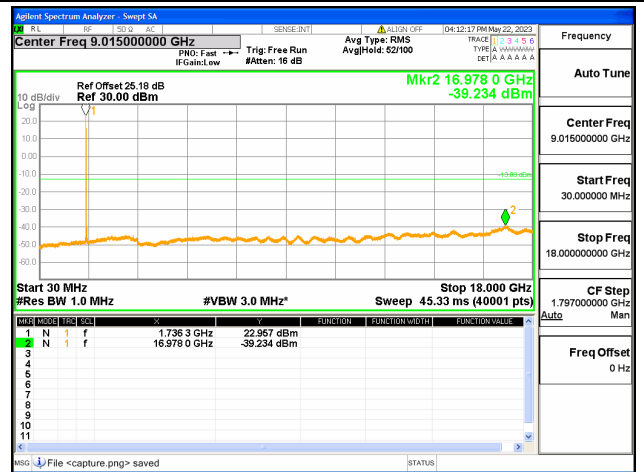
Band4 / 15MHz / High CH / QPSK



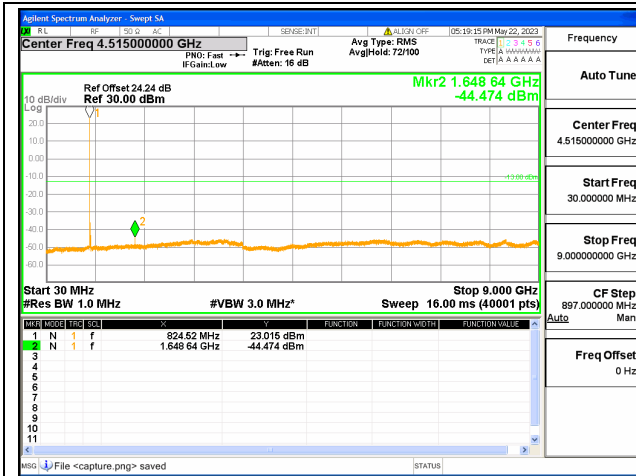
Band4 / 20MHz / Low CH / QPSK



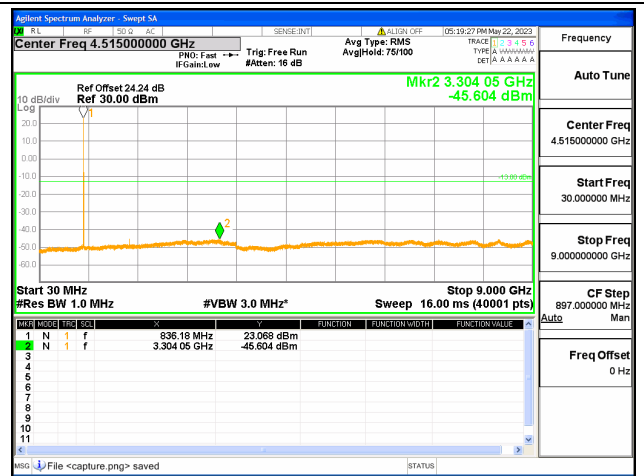
Band4 / 20MHz / Mid CH / QPSK



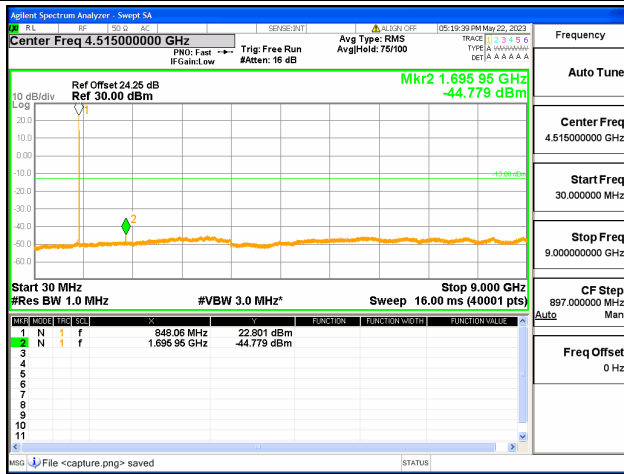
Band4 / 20MHz / High CH / QPSK



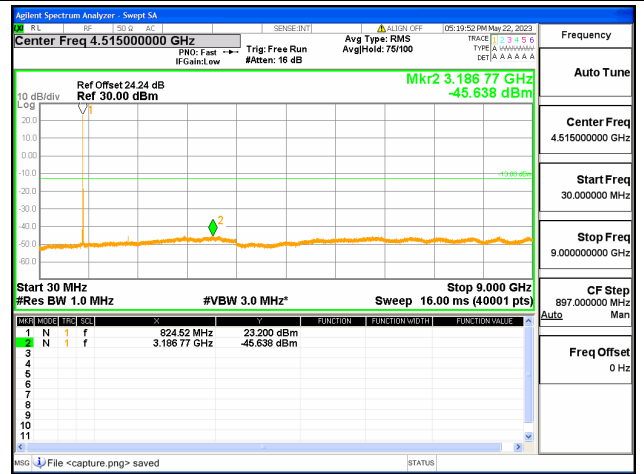
Band5 / 1.4MHz / Low CH / QPSK



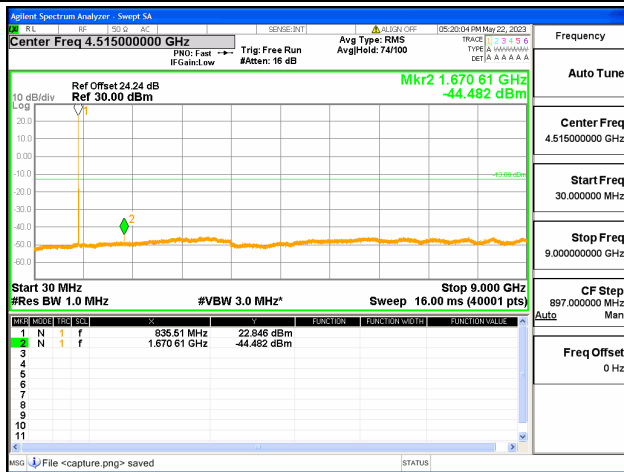
Band5 / 1.4MHz / Mid CH / QPSK



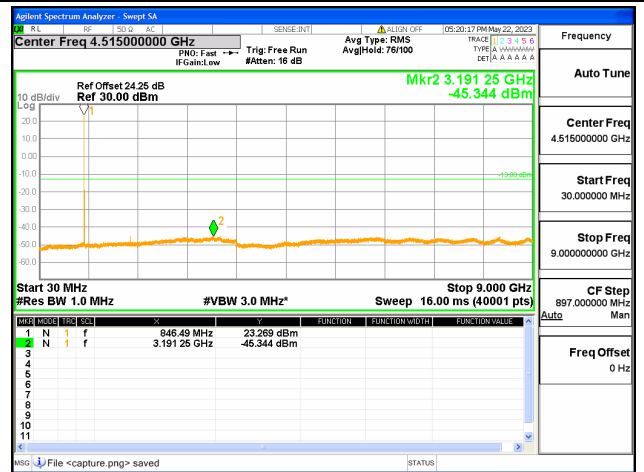
Band5 / 1.4MHz / High CH / QPSK



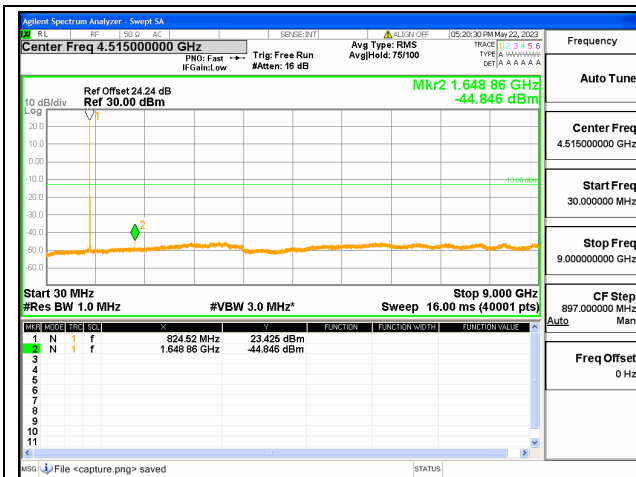
Band5 / 3MHz / Low CH / QPSK



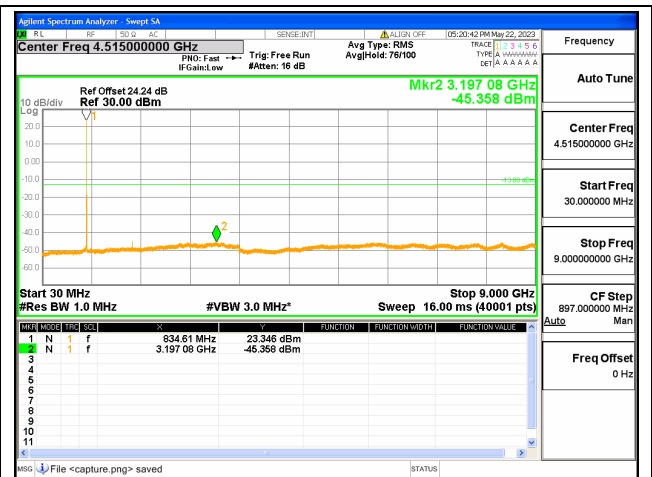
Band5 / 3MHz / Mid CH / QPSK



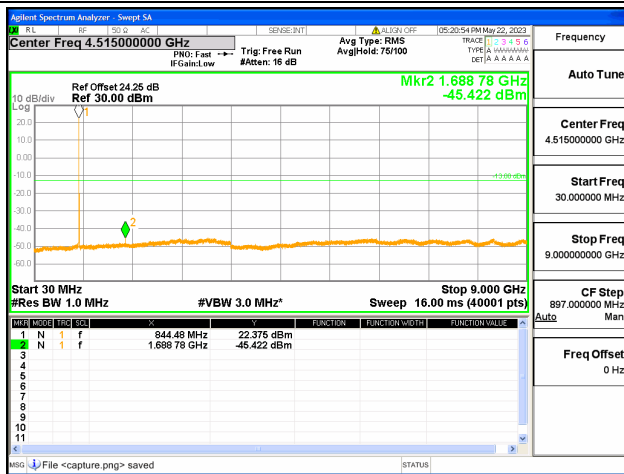
Band5 / 3MHz / High CH / QPSK



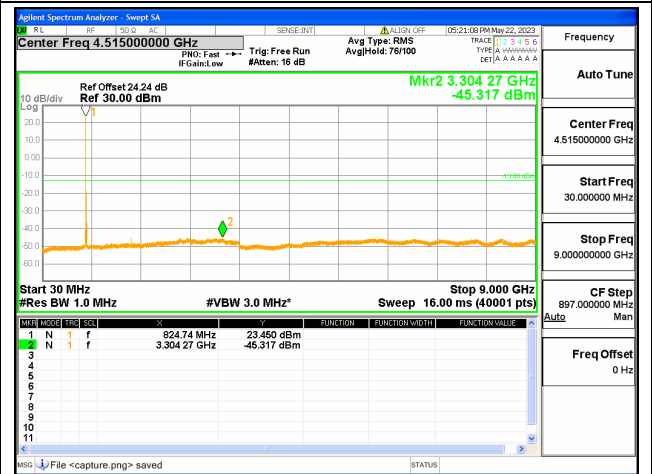
Band5 / 5MHz / Low CH / QPSK



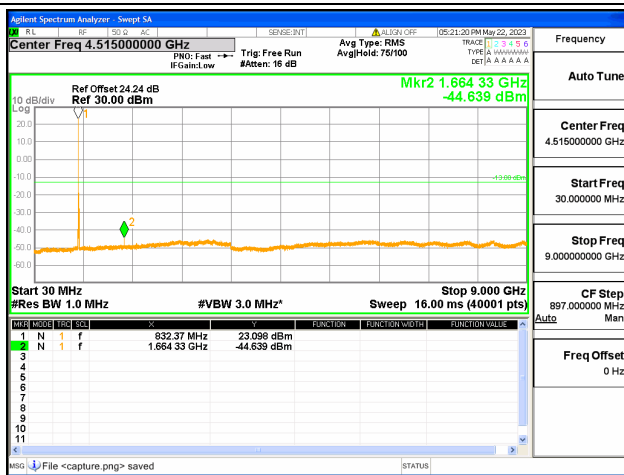
Band5 / 5MHz / Mid CH / QPSK



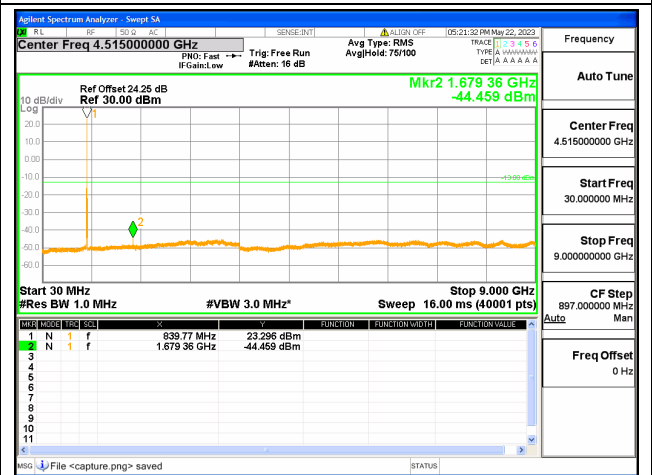
Band5 / 5MHz / High CH / QPSK



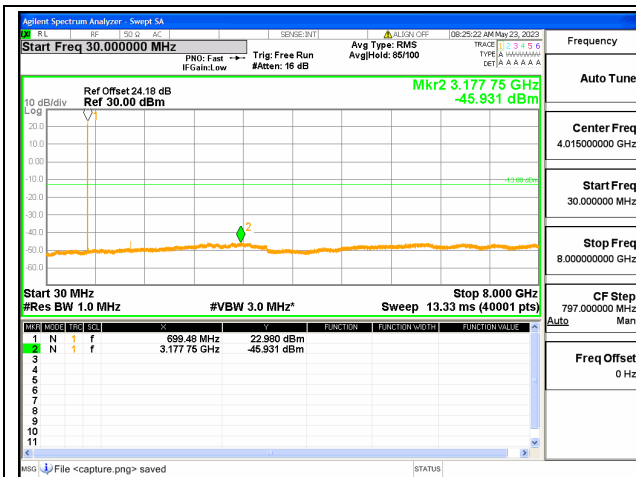
Band5 / 10MHz / Low CH / QPSK



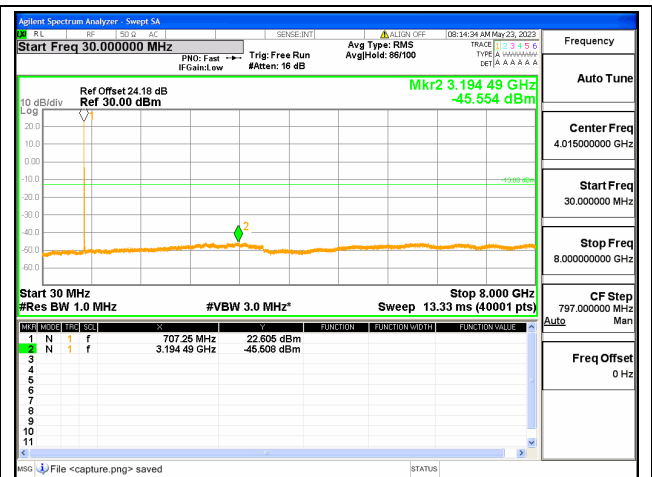
Band5 / 10MHz / Mid CH / QPSK



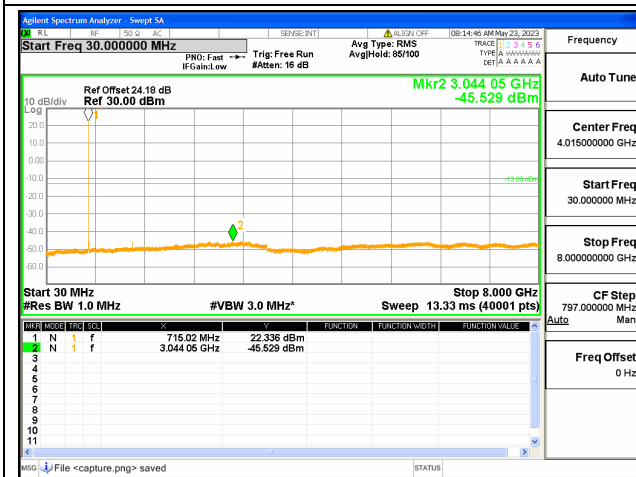
Band5 / 10MHz / High CH / QPSK



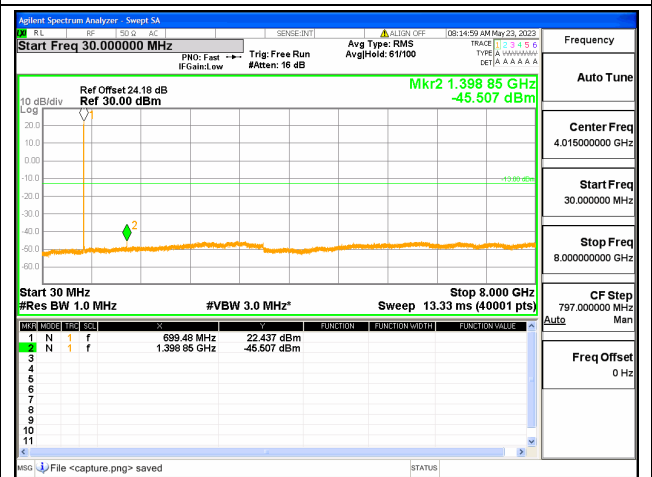
Band12 / 1.4MHz / Low CH / QPSK



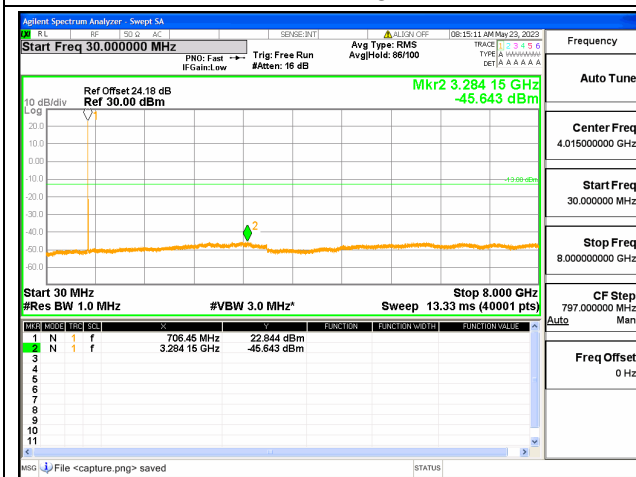
Band12 / 1.4MHz / Mid CH / QPSK



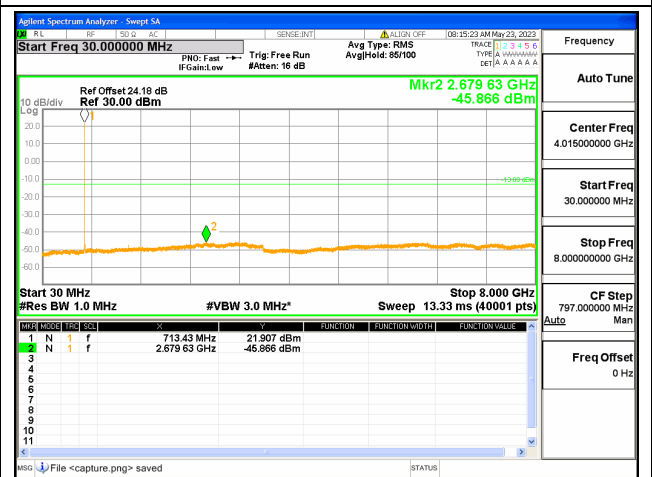
Band12 / 1.4MHz / High CH / QPSK



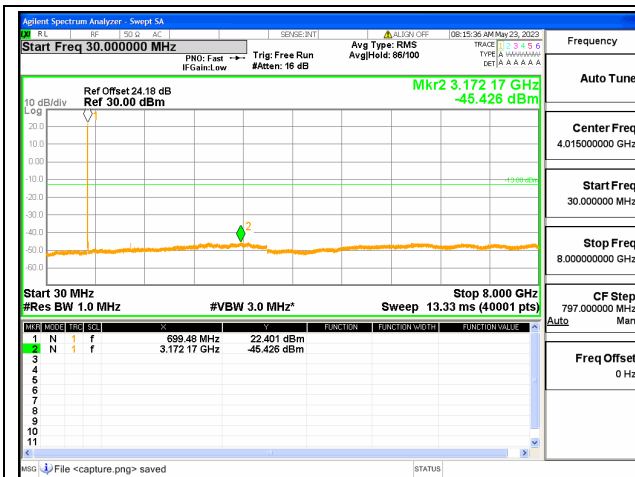
Band12 / 3MHz / Low CH / QPSK



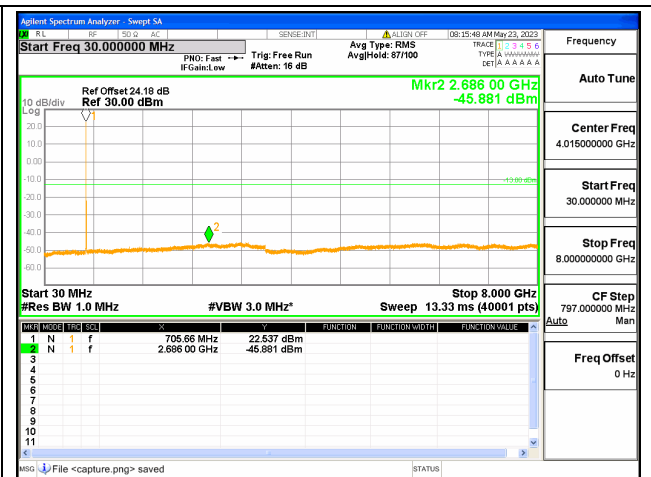
Band12 / 3MHz / Mid CH / QPSK



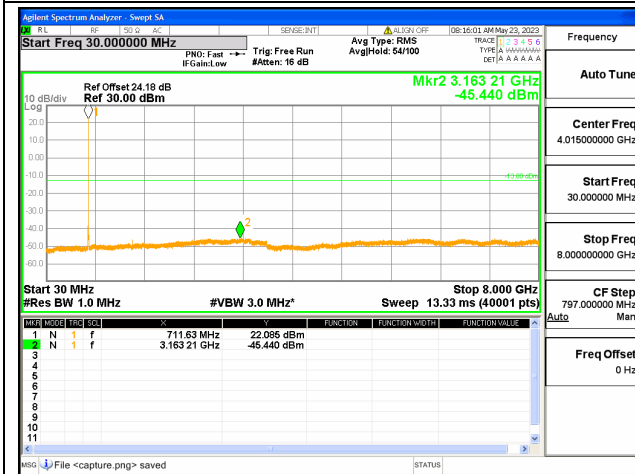
Band12 / 3MHz / High CH / QPSK



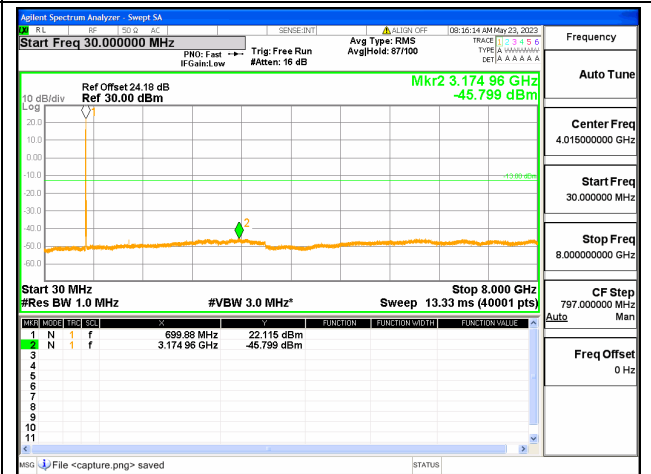
Band12 / 5MHz / Low CH / QPSK



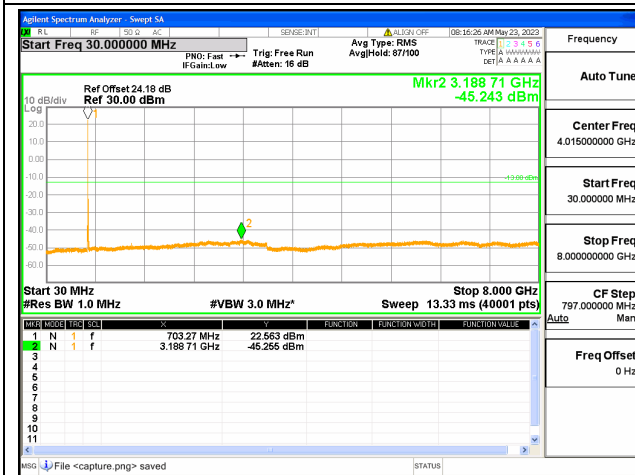
Band12 / 5MHz / Mid CH / QPSK



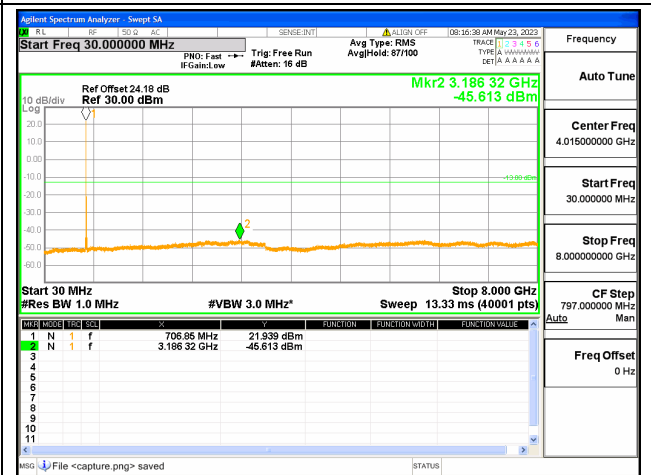
Band12 / 5MHz / High CH / QPSK



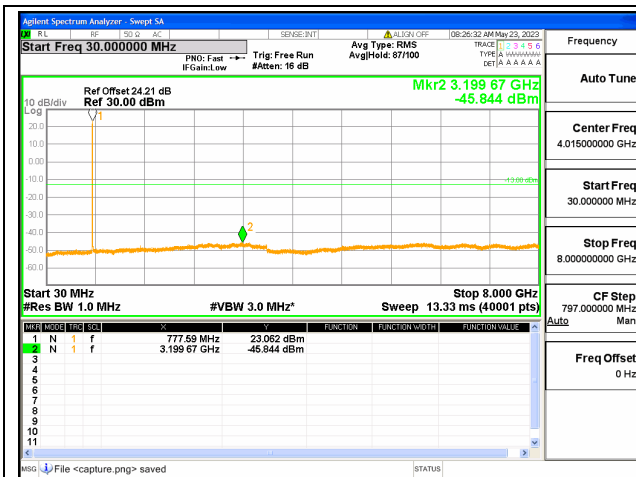
Band12 / 10MHz / Low CH / QPSK



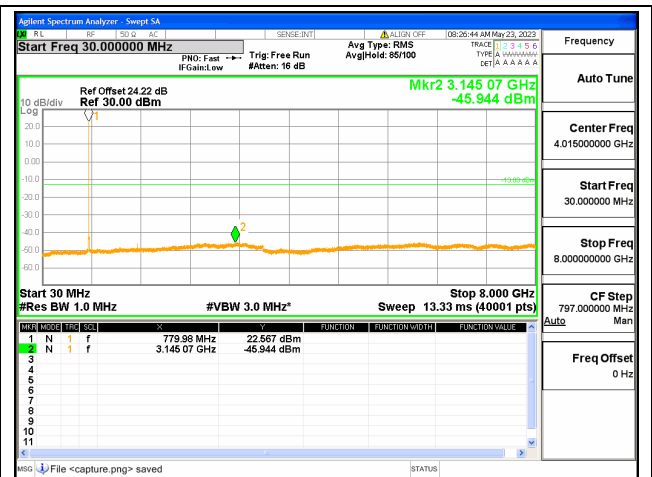
Band12 / 10MHz / Mid CH / QPSK



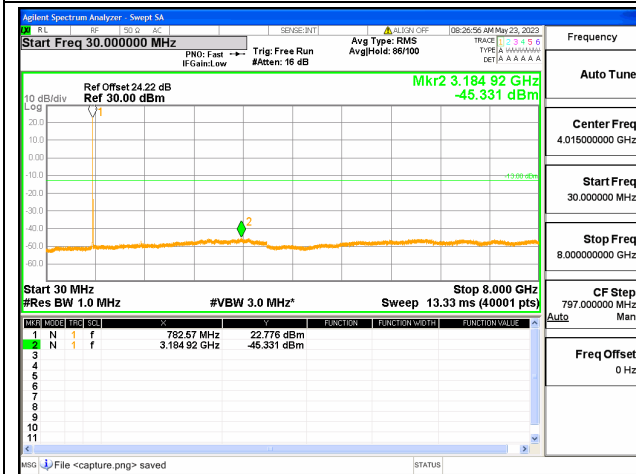
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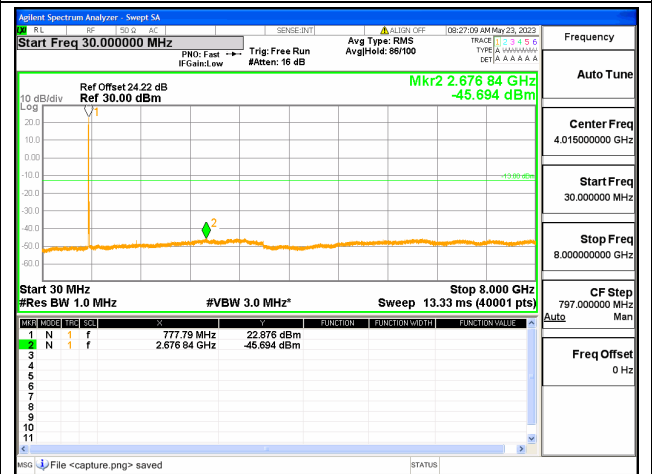
Band13 / 5MHz / Low CH / QPSK



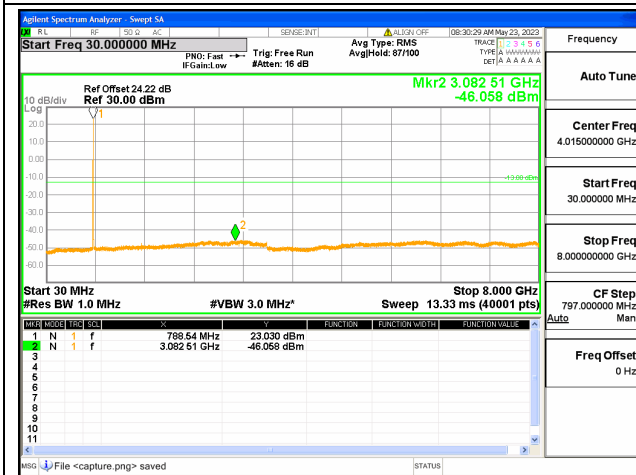
Band13 / 5MHz / Mid CH / QPSK



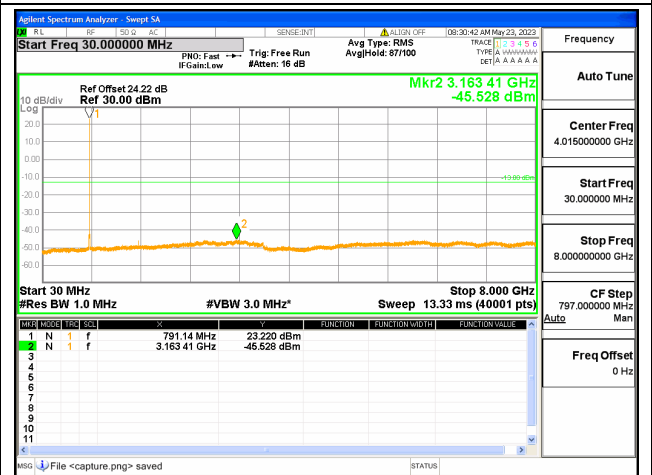
Band13 / 5MHz / High CH / QPSK



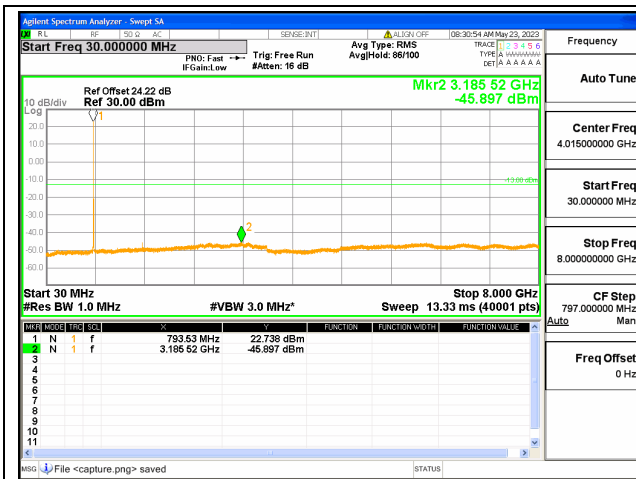
Band13 / 10MHz / Mid CH / QPSK



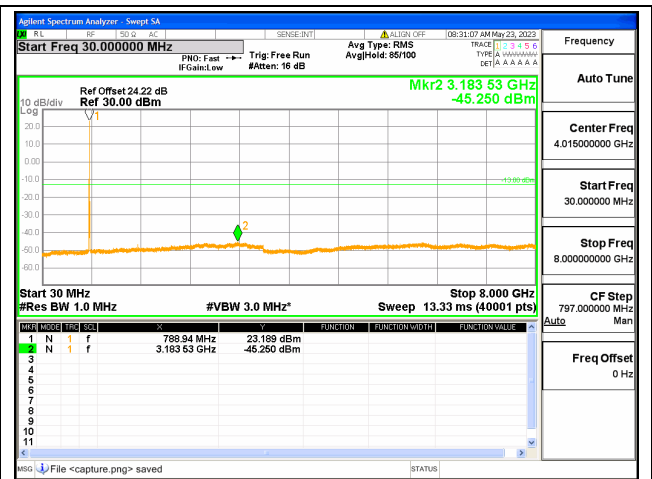
Band14 / 5MHz / Low CH / QPSK



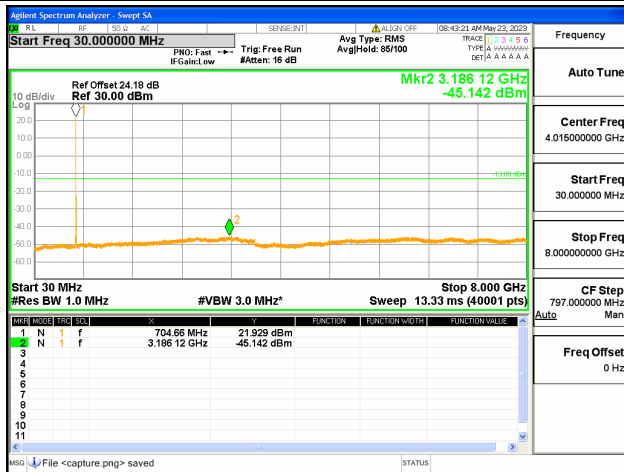
Band14 / 5MHz / Mid CH / QPSK



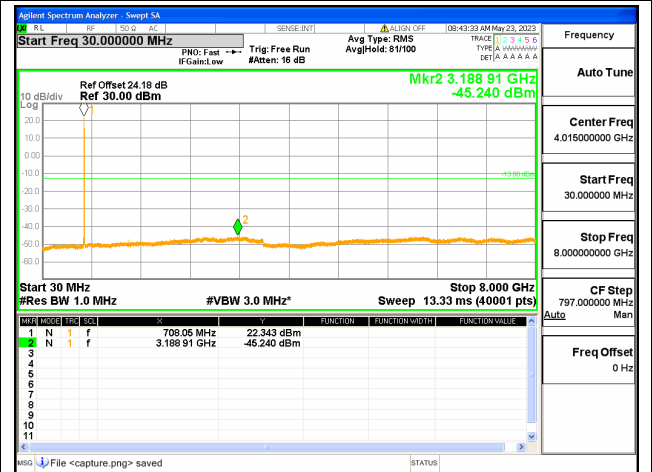
Band14 / 5MHz / High CH / QPSK



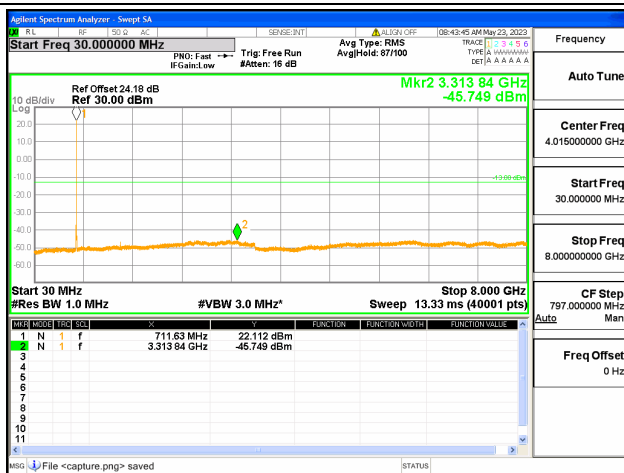
Band14 / 10MHz / Mid CH / QPSK



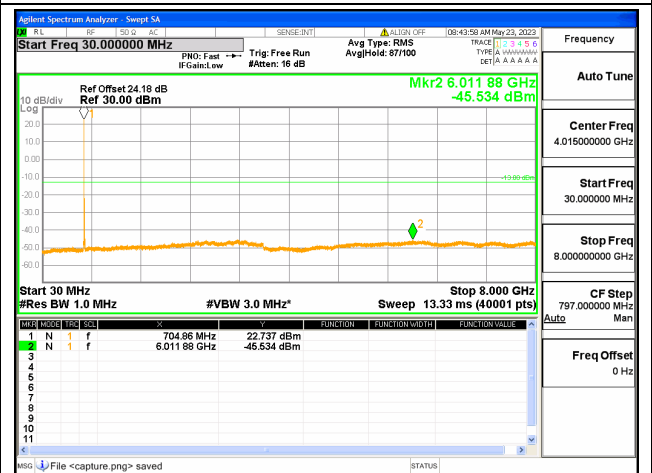
Band17 / 5MHz / Low CH / QPSK



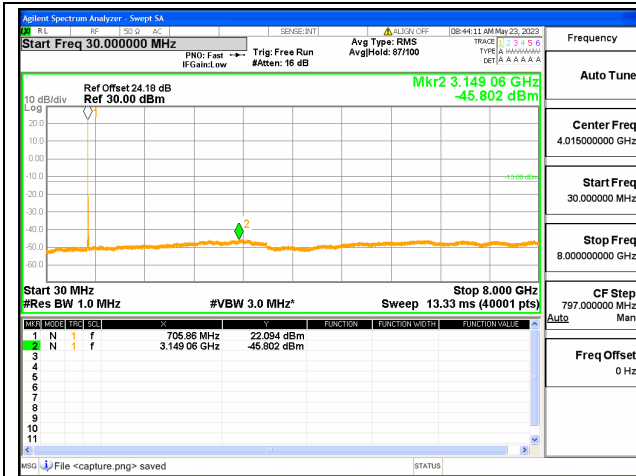
Band17 / 5MHz / Mid CH / QPSK



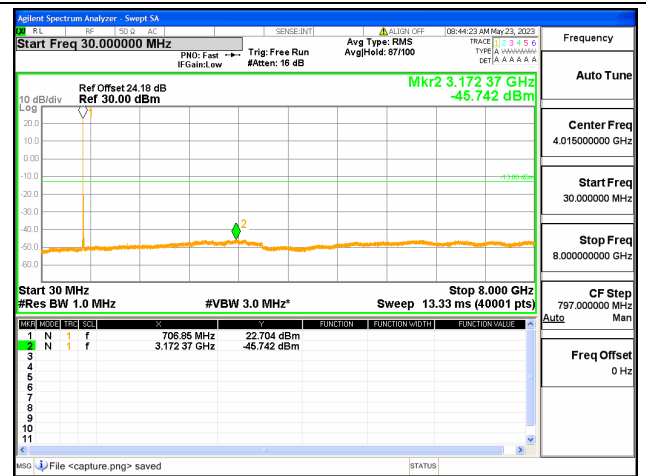
Band17 / 5MHz / High CH / QPSK



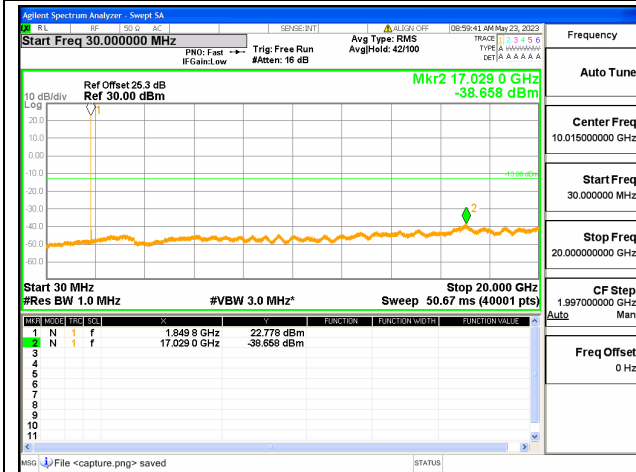
Band17 / 10MHz / Low CH / QPSK



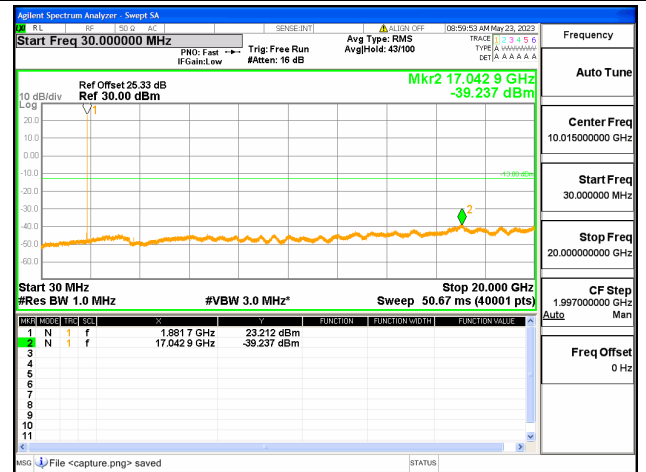
Band17 / 10MHz / Mid CH / QPSK



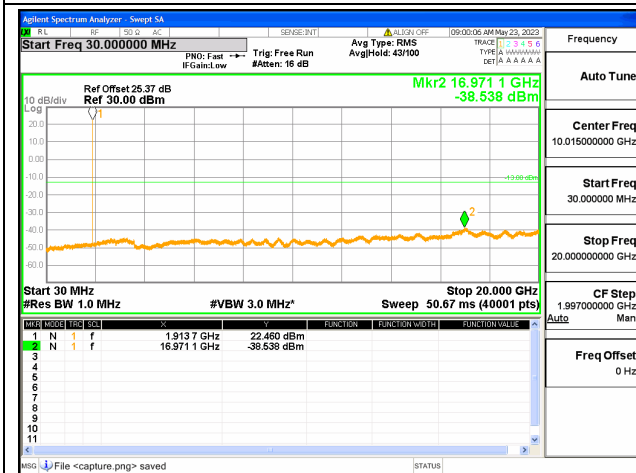
Band17 / 10MHz / High CH / QPSK



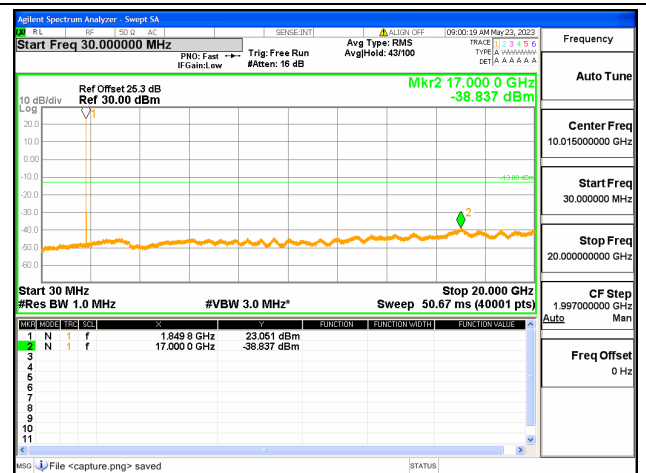
Band25 / 1.4MHz / Low CH / QPSK



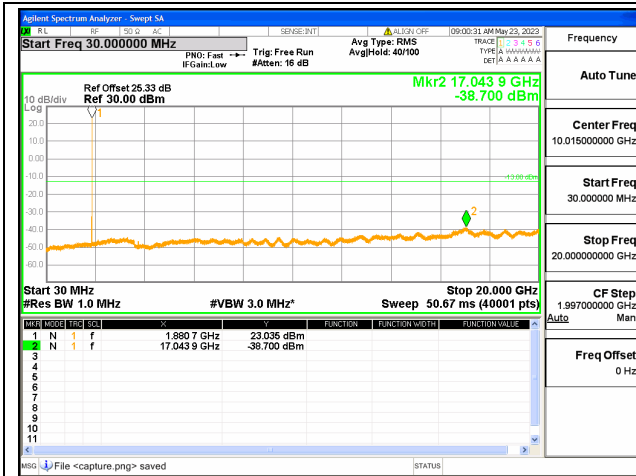
Band25 / 1.4MHz / Mid CH / QPSK



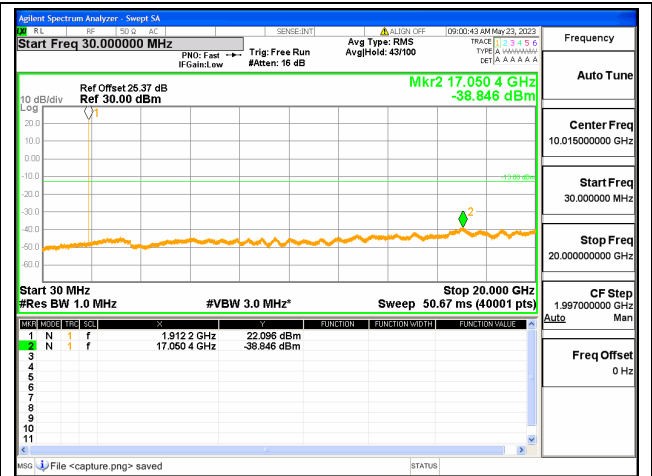
Band25 / 1.4MHz / High CH / QPSK



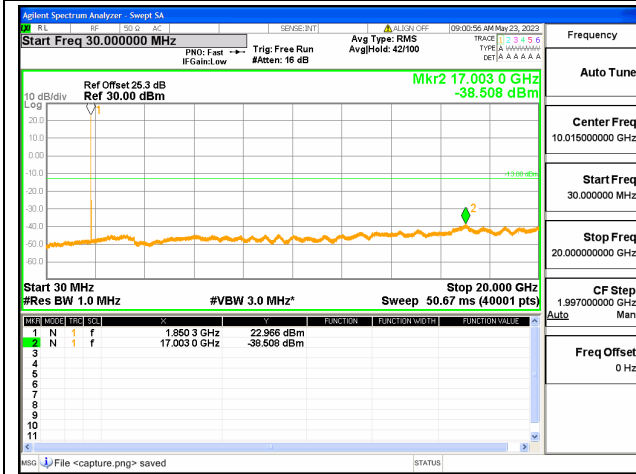
Band25 / 3MHz / Low CH / QPSK



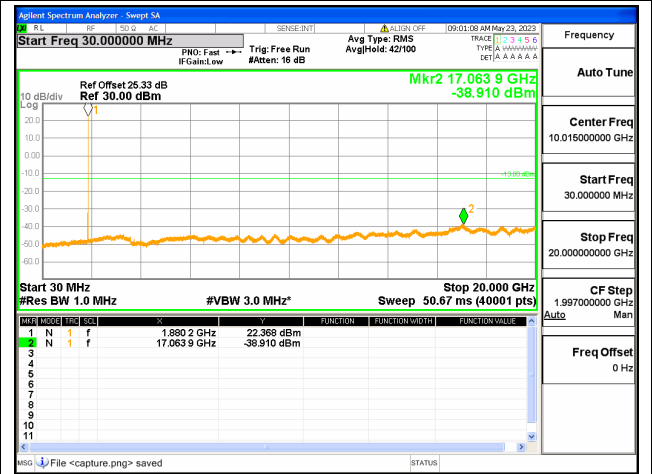
Band25 / 3MHz / Mid CH / QPSK



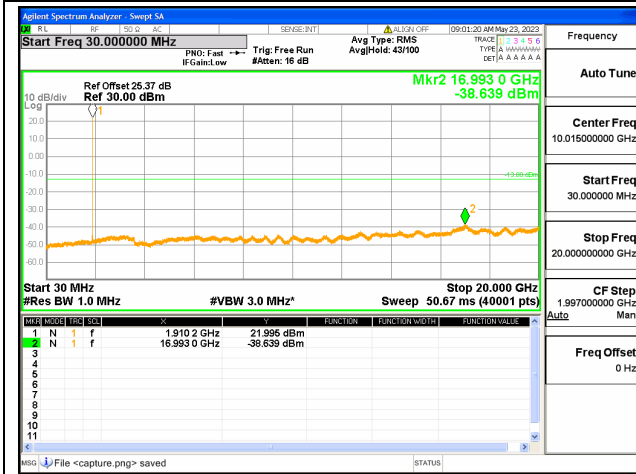
Band25 / 3MHz / High CH / QPSK



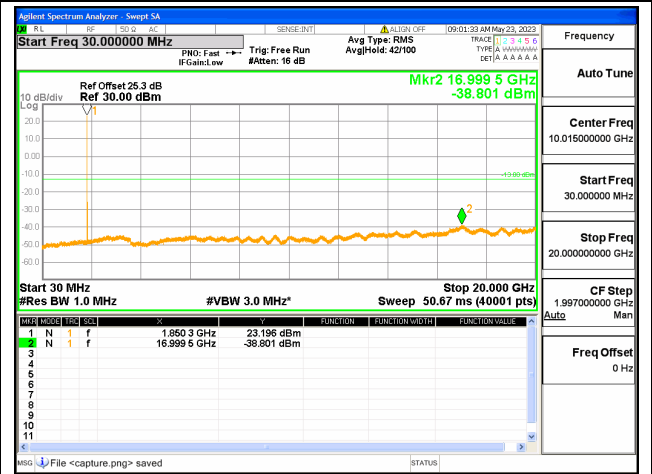
Band25 / 5MHz / Low CH / QPSK



Band25 / 5MHz / Mid CH / QPSK



Band25 / 5MHz / High CH / QPSK



Band25 / 10MHz / Low CH / QPSK