

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.

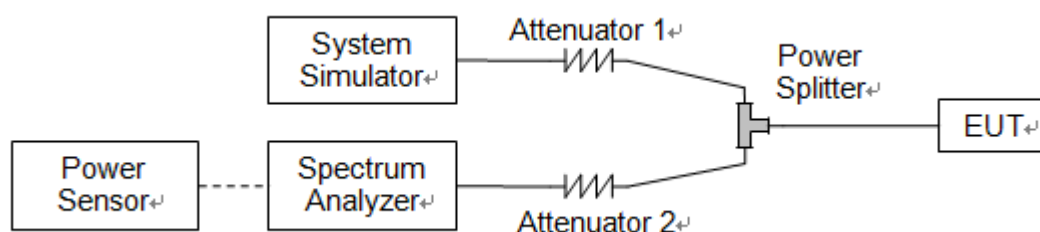
Additional requirement for LTE Band 7/41:

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



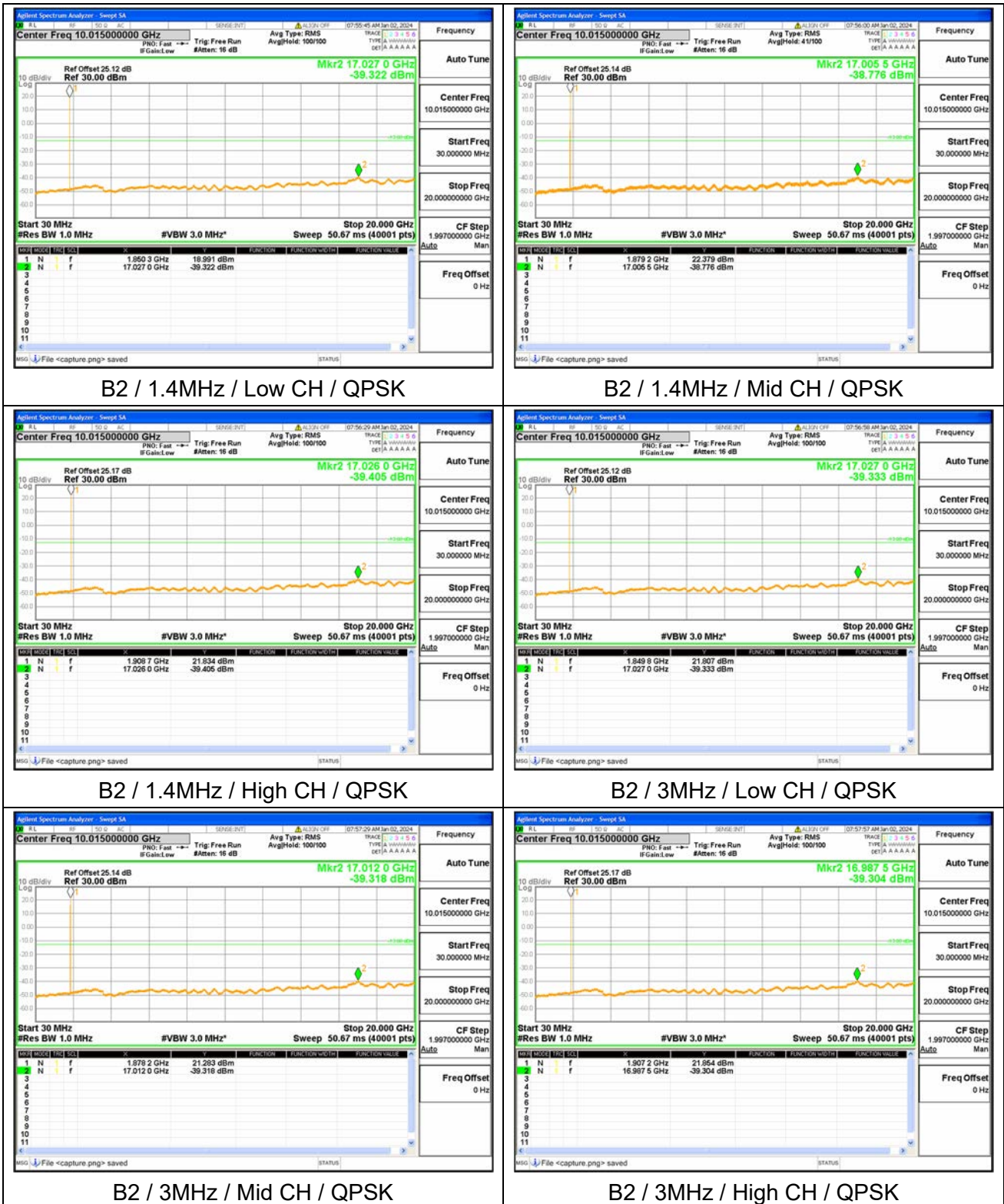
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum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



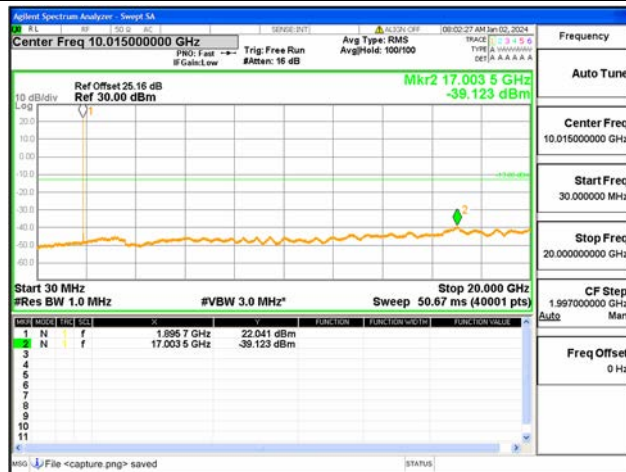




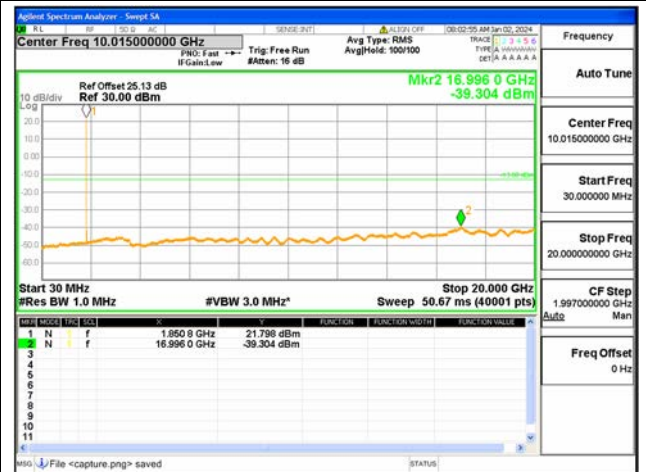
B2 / 15MHz / Low CH / QPSK



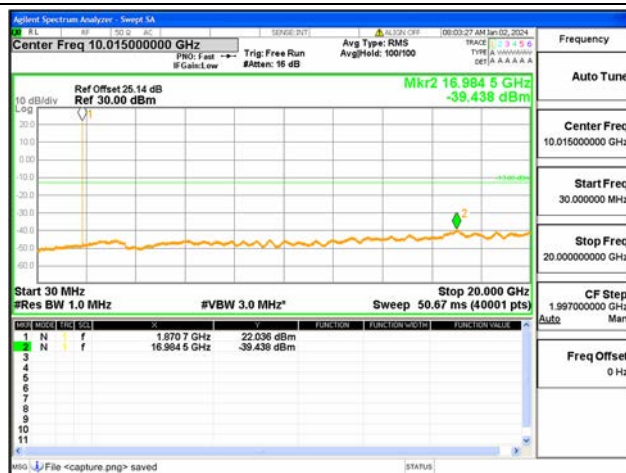
B2 / 15MHz / Mid CH / QPSK



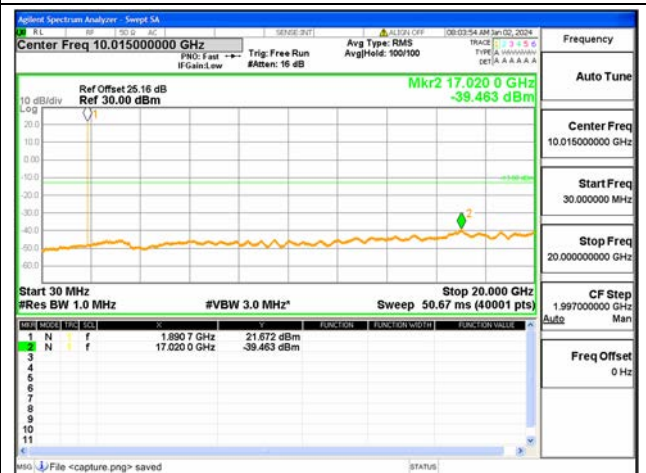
B2 / 15MHz / High CH / QPSK



B2 / 20MHz / Low CH / QPSK



B2 / 20MHz / Mid CH / QPSK



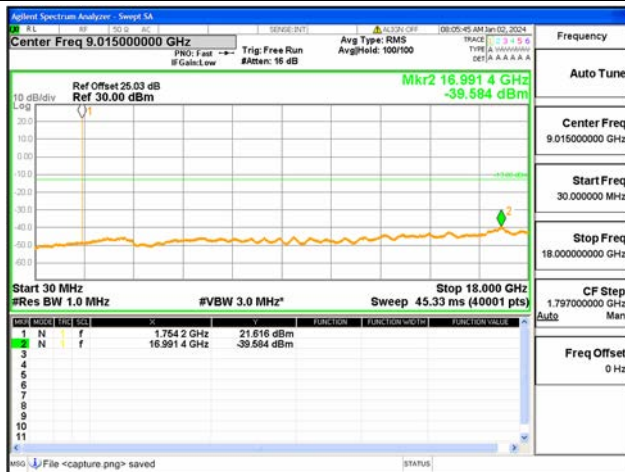
B2 / 20MHz / High CH / QPSK



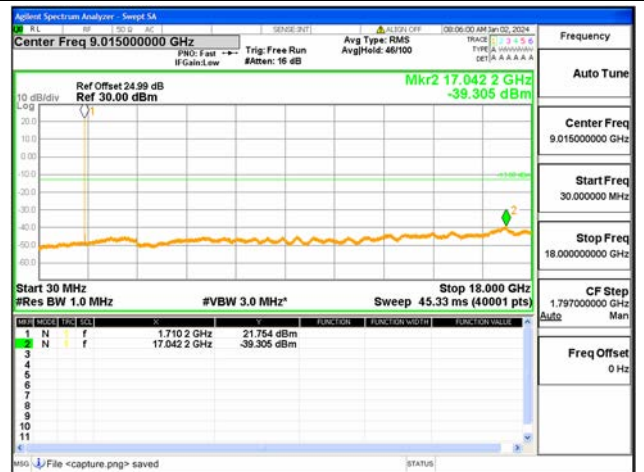
B4 / 1.4MHz / Low CH / QPSK



B4 / 1.4MHz / Mid CH / QPSK



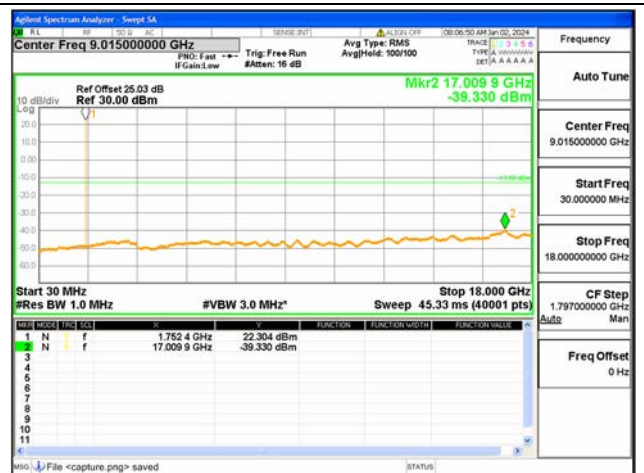
B4 / 1.4MHz / High CH / QPSK



B4 / 3MHz / Low CH / QPSK



B4 / 3MHz / Mid CH / QPSK



B4 / 3MHz / High CH / QPSK





B4 / 15MHz / Low CH / QPSK



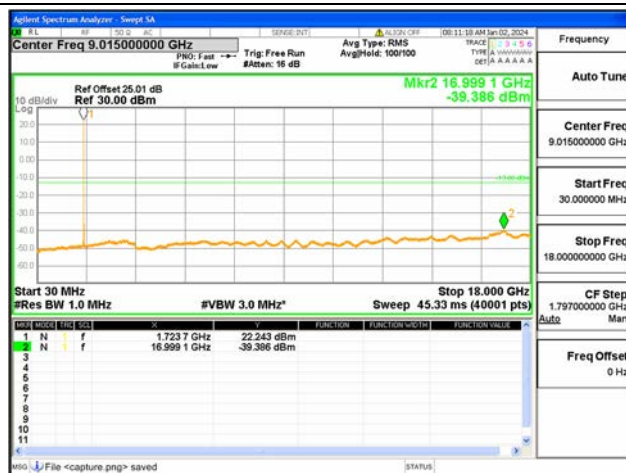
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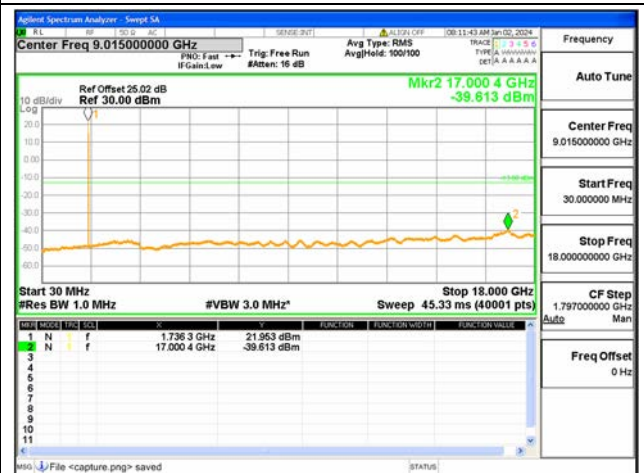
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B4 / 20MHz / Low CH / QPSK



B4 / 20MHz / Mid CH / QPSK



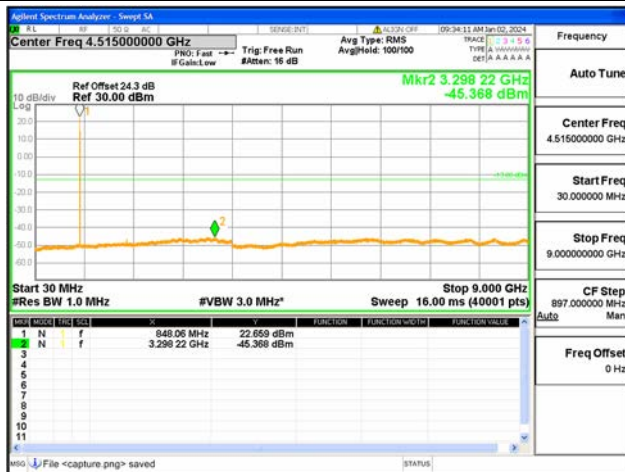
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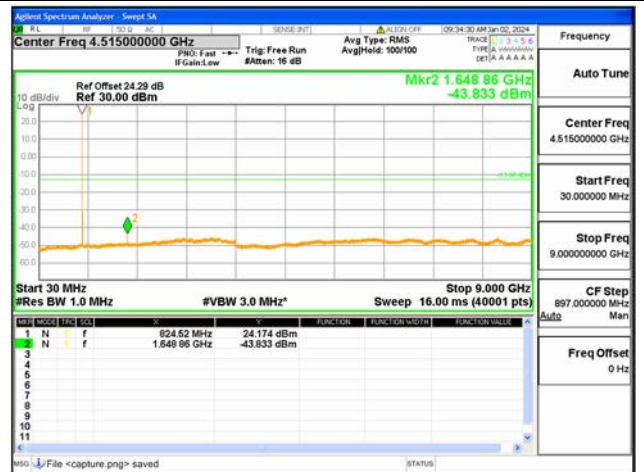
B5 / 1.4MHz / Low CH / QPSK



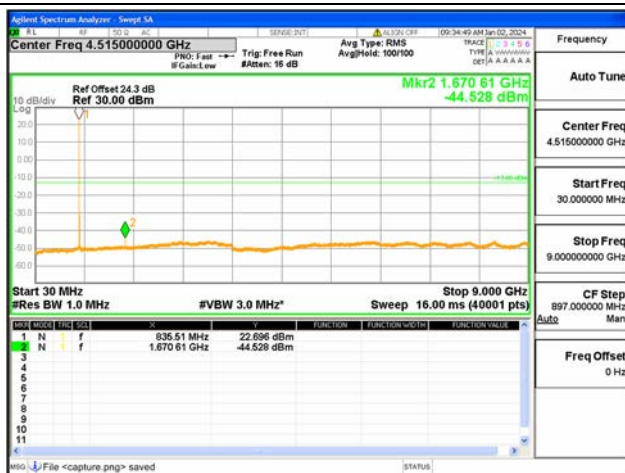
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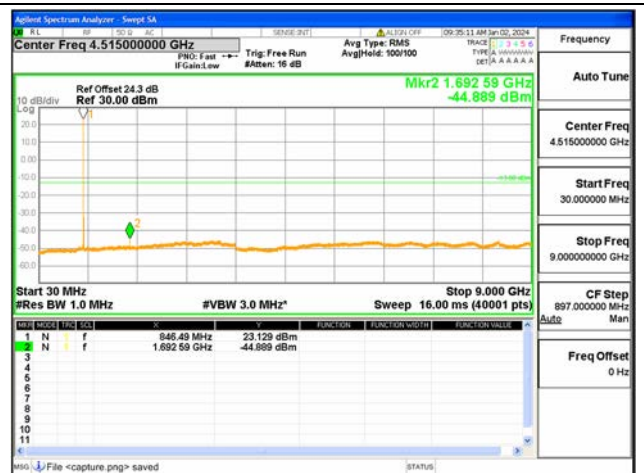
B5 / 1.4MHz / High CH / QPSK



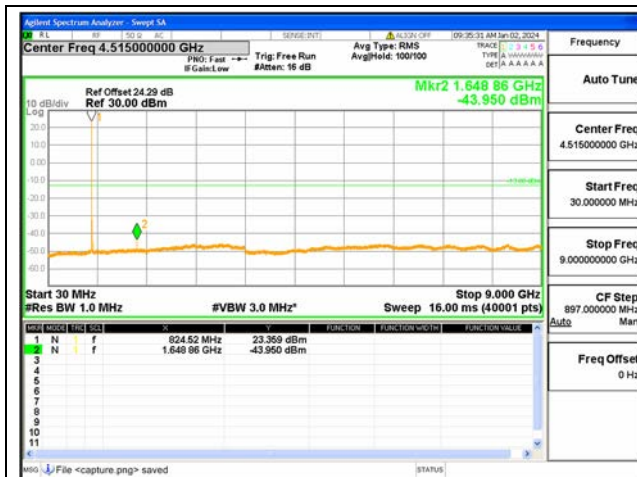
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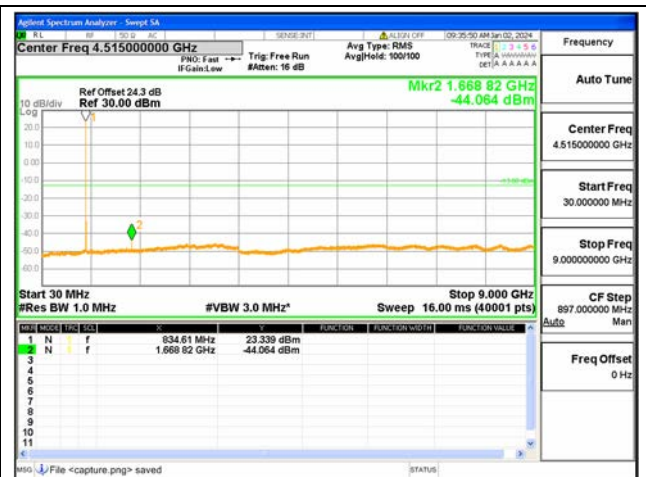
B5 / 3MHz / Mid CH / QPSK



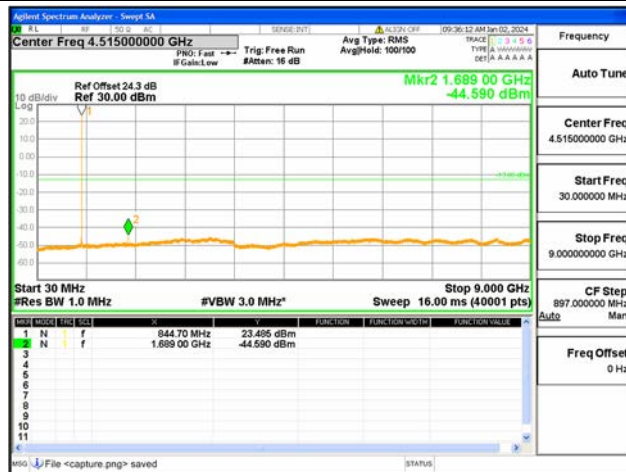
B5 / 3MHz / High CH / QPSK



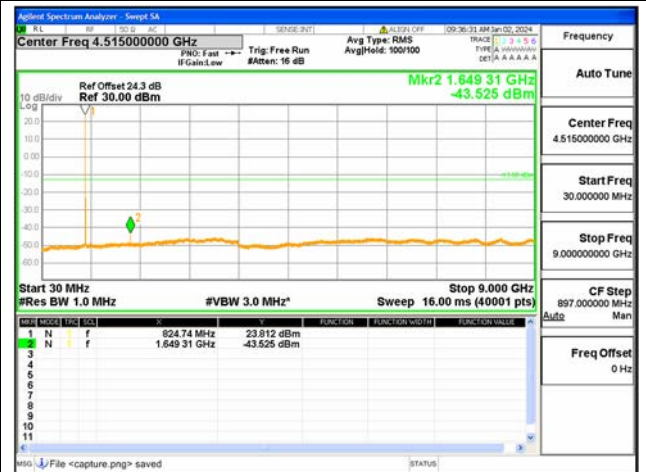
B5 / 5MHz / Low CH / QPSK



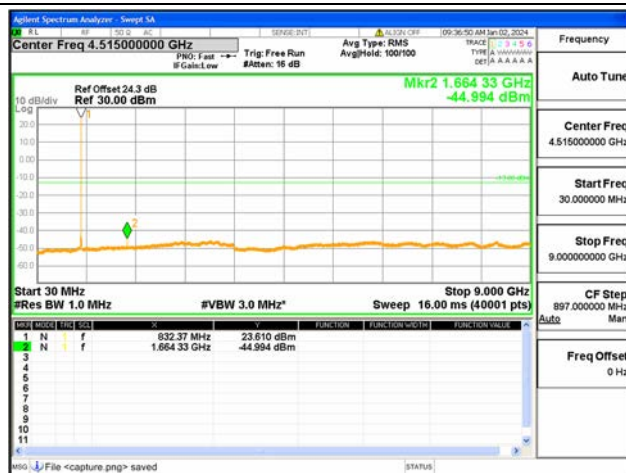
B5 / 5MHz / Mid CH / QPSK



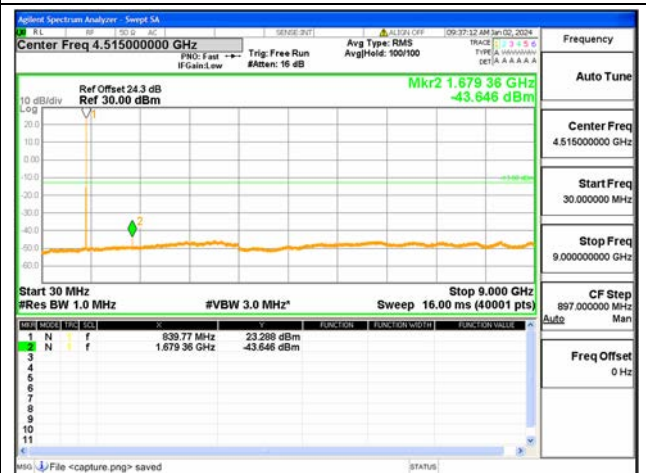
B5 / 5MHz / High CH / QPSK



B5 / 10MHz / Low CH / QPSK



B5 / 10MHz / Mid CH / QPSK



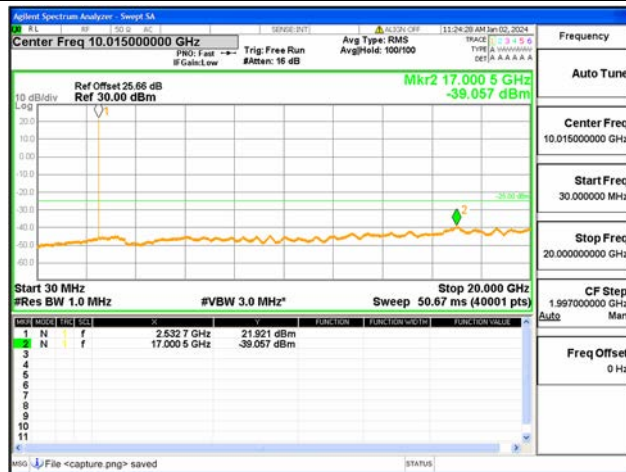
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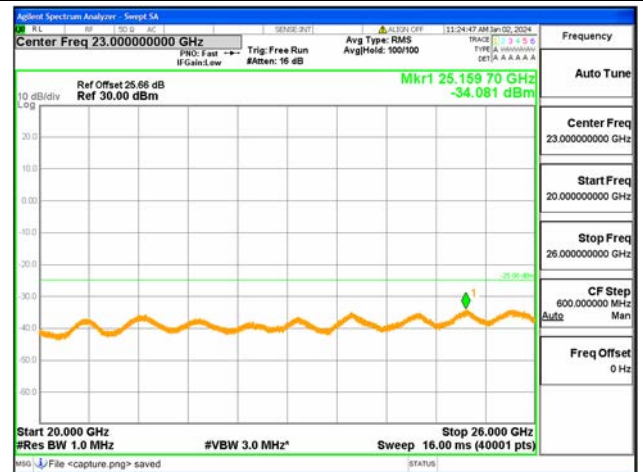
B7-30M-20G / 5MHz / Low CH / QPSK



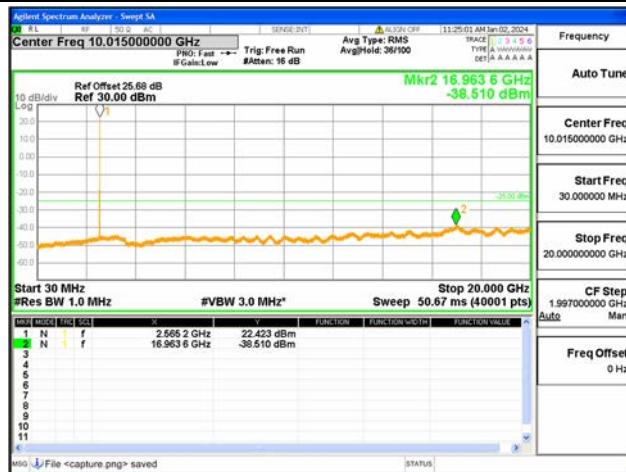
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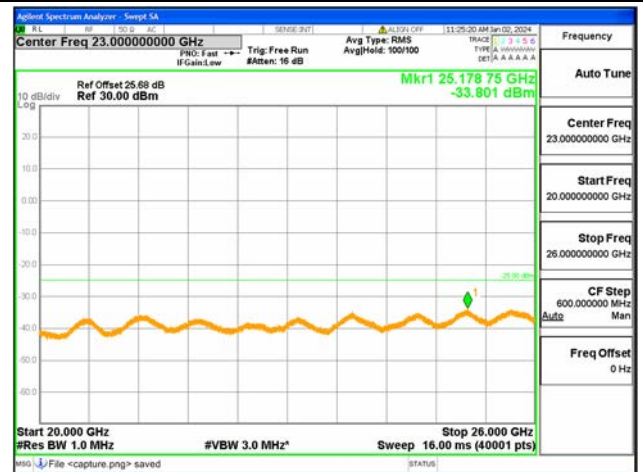
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B7-20G-26G / 5MHz / Mid CH / QPSK



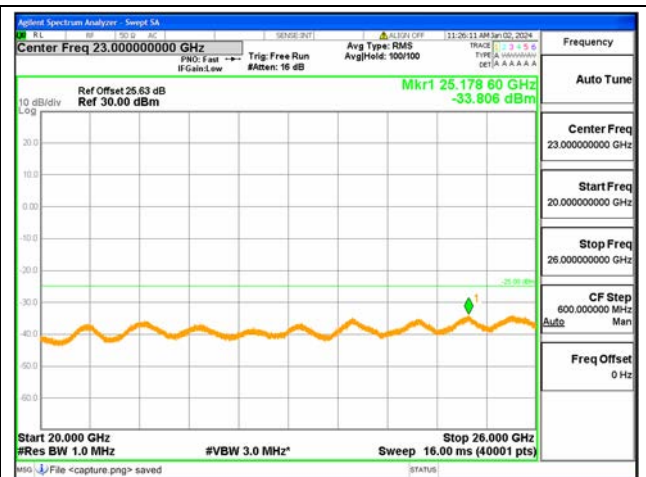
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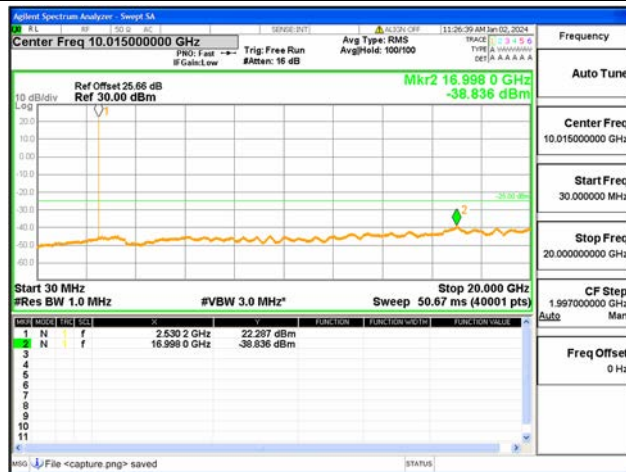
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B7-30M-20G / 10MHz / Low CH / QPSK



B7-20G-26G / 10MHz / Low CH / QPSK



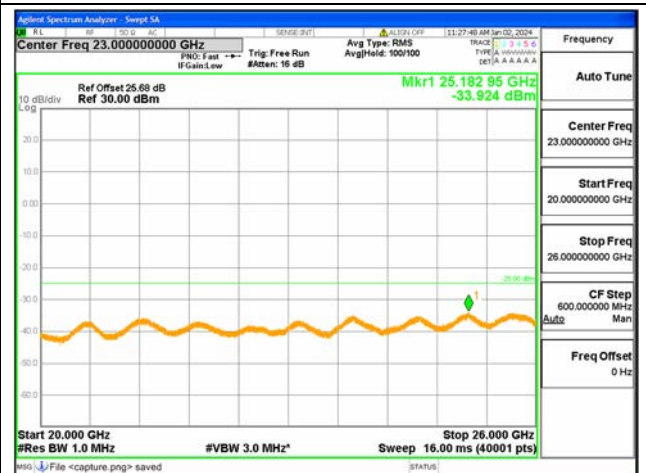
B7-30M-20G / 10MHz / Mid CH / QPSK



B7-20G-26G / 10MHz / Mid CH / QPSK



B7-30M-20G / 10MHz / High CH / QPSK



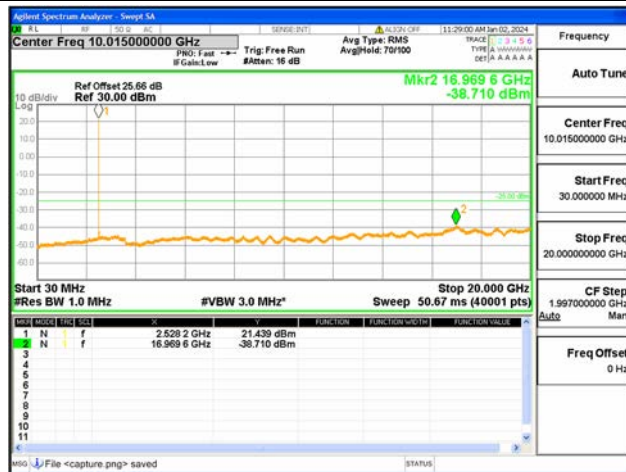
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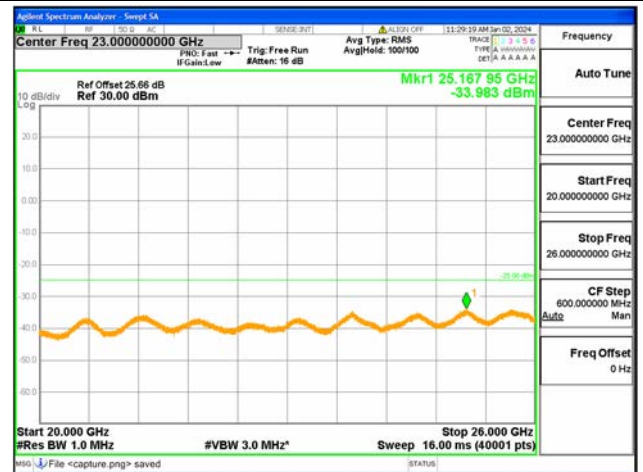
B7-30M-20G / 15MHz / Low CH / QPSK



B7-20G-26G / 15MHz / Low CH / QPSK



B7-30M-20G / 15MHz / Mid CH / QPSK



B7-20G-26G / 15MHz / Mid CH / QPSK



B7-30M-20G / 15MHz / High CH / QPSK



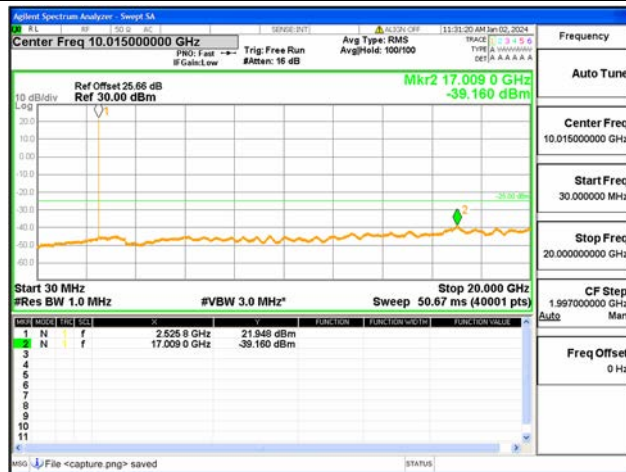
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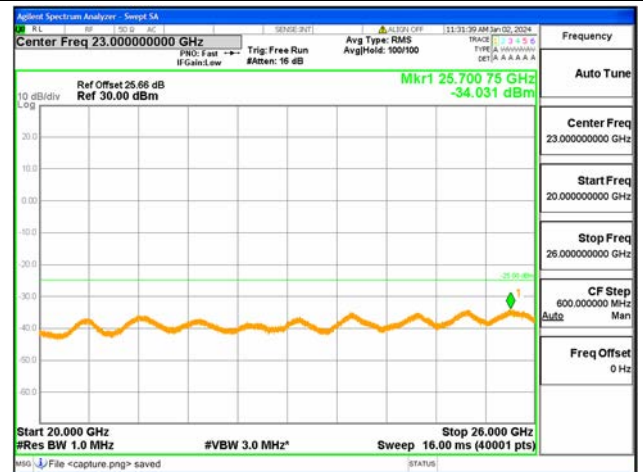
B7-30M-20G / 20MHz / Low CH / QPSK



B7-20G-26G / 20MHz / Low CH / QPSK



B7-30M-20G / 20MHz / Mid CH / QPSK



B7-20G-26G / 20MHz / Mid CH / QPSK



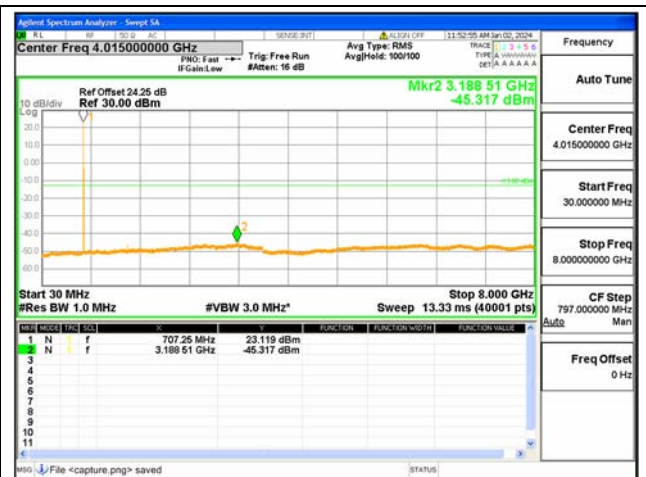
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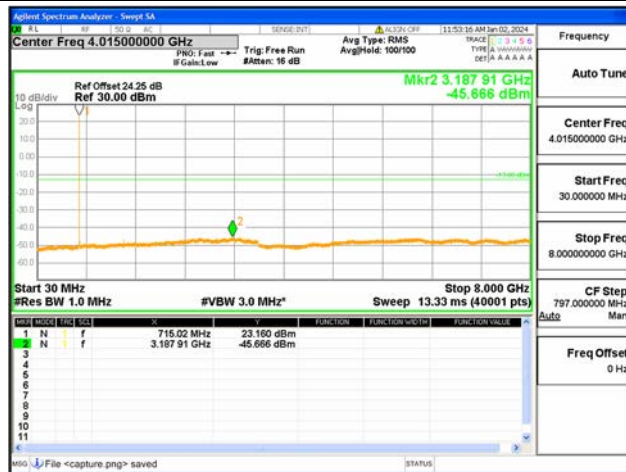
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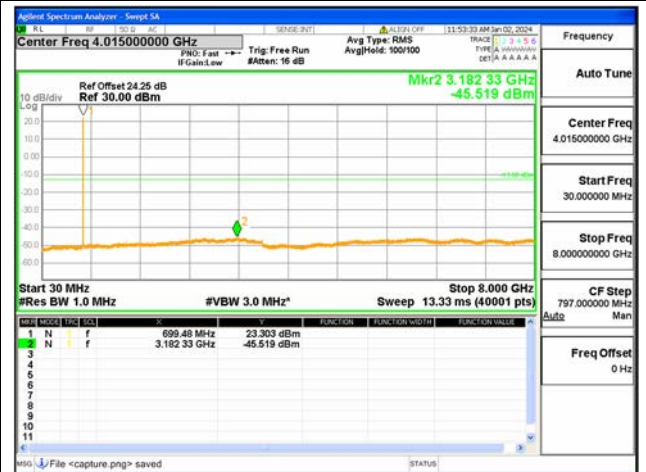
B12 / 1.4MHz / Low CH / QPSK



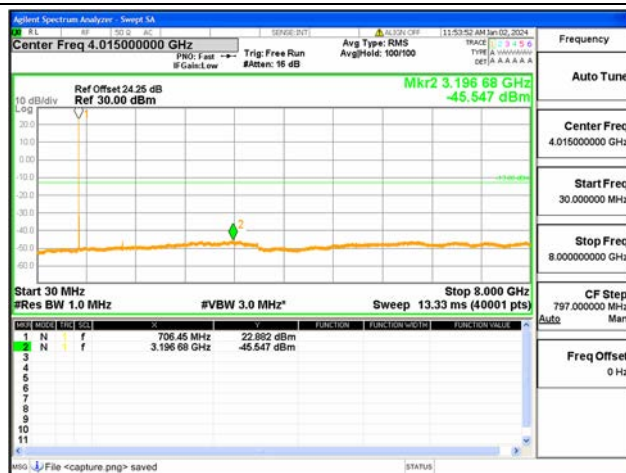
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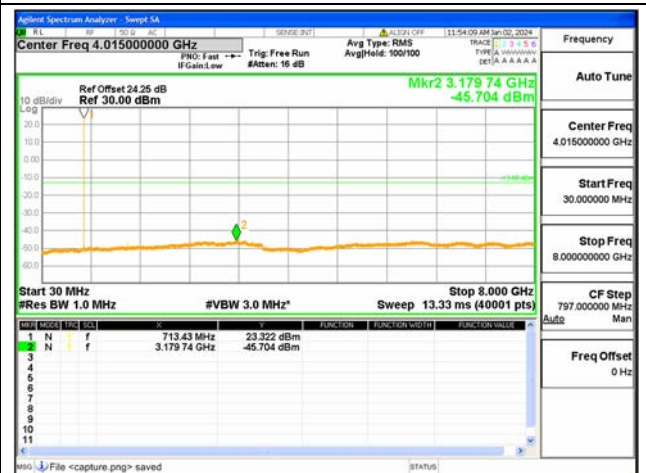
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B12 / 3MHz / Low CH / QPSK



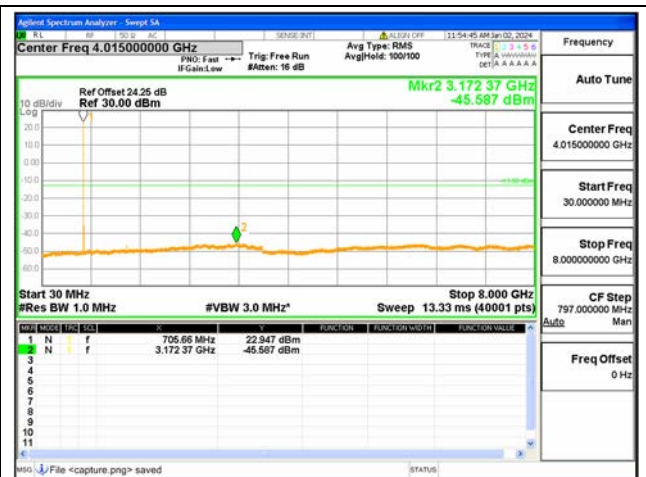
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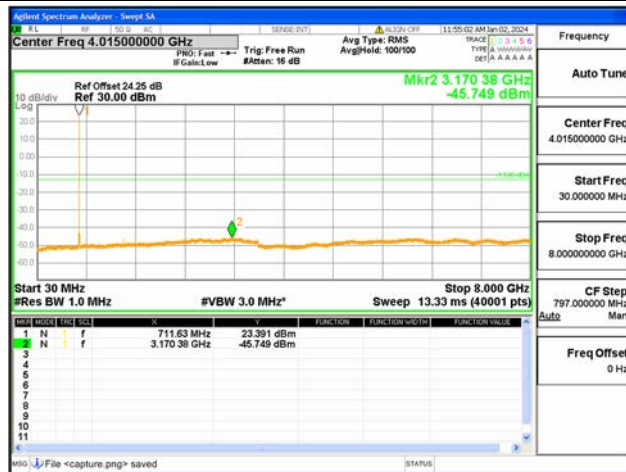
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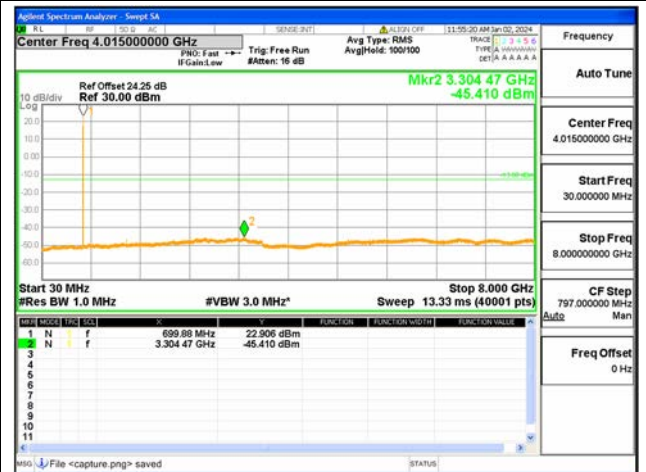
B12 / 5MHz / Low CH / QPSK



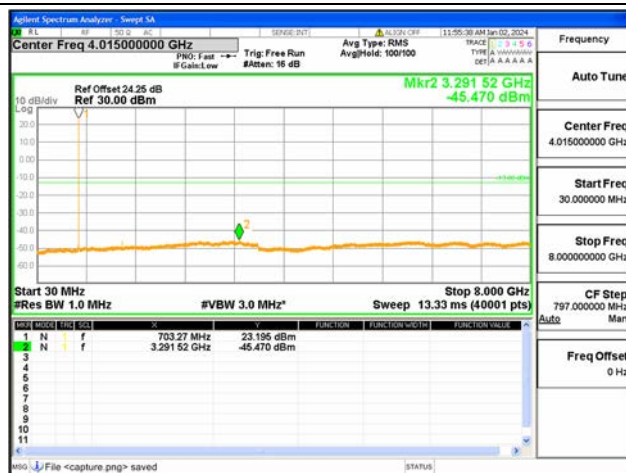
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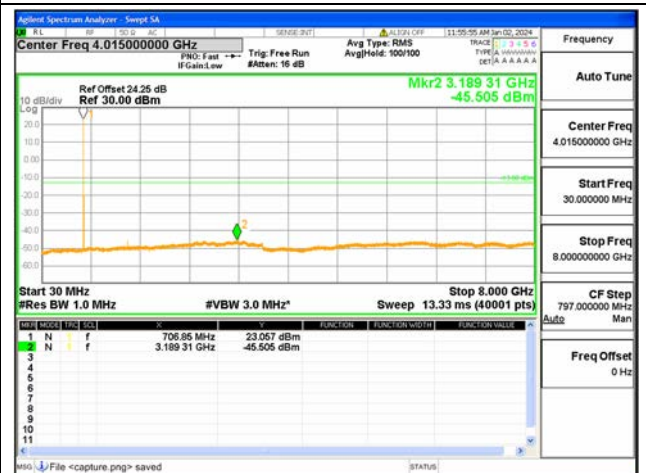
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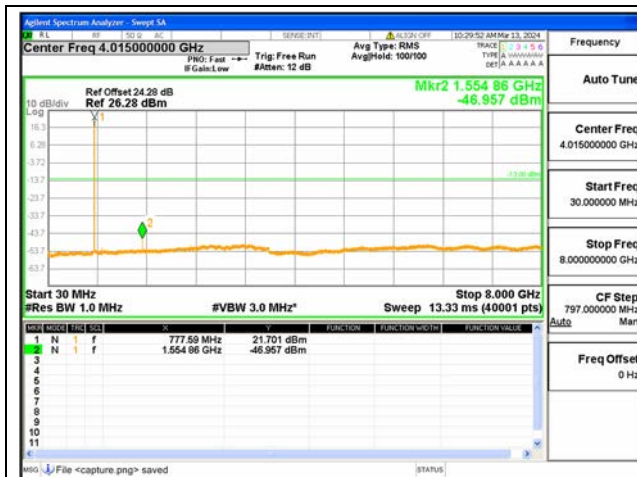
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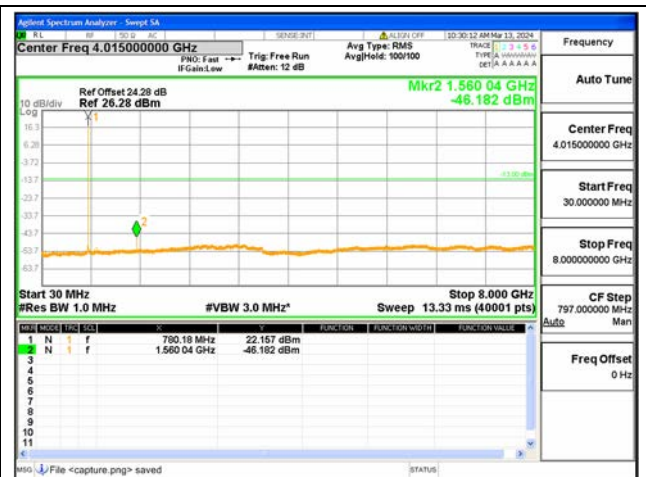
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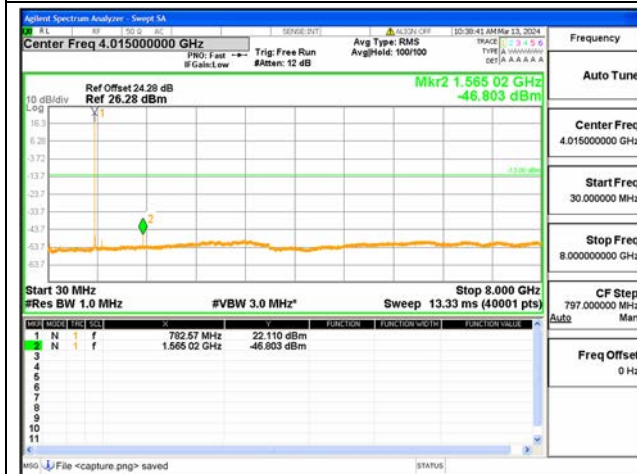
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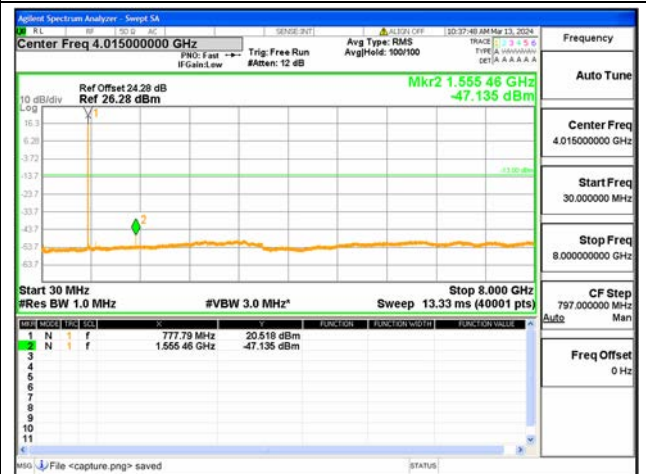
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B13 / 5MHz / Mid CH / QPSK



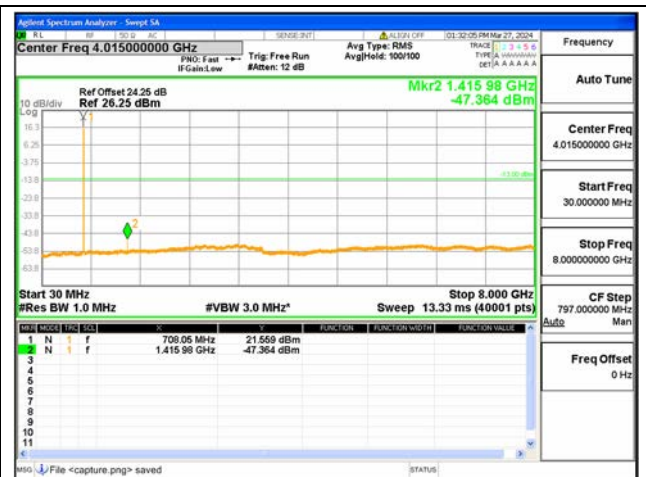
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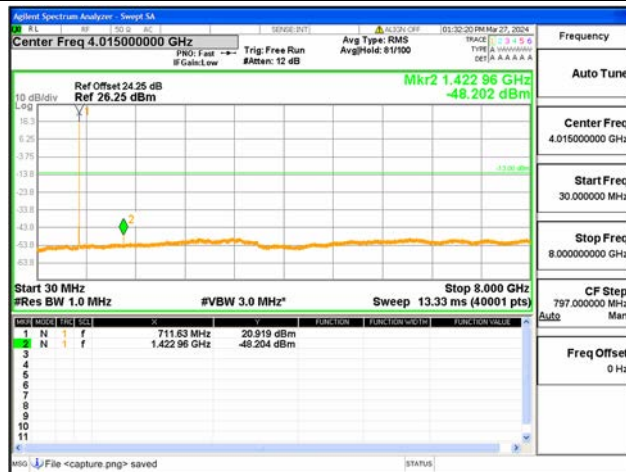
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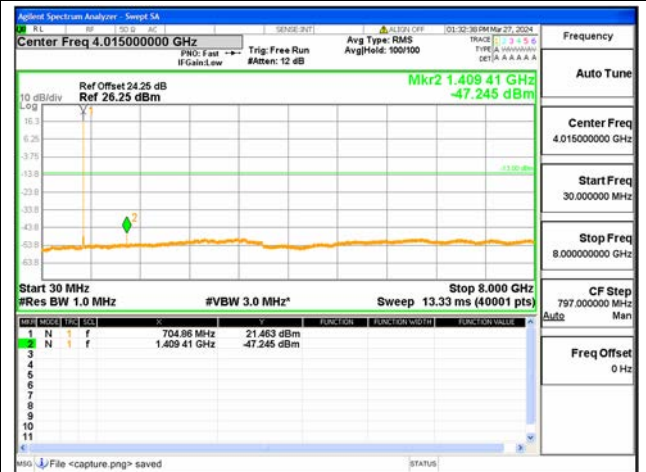
B17 / 5MHz / Low CH / QPSK



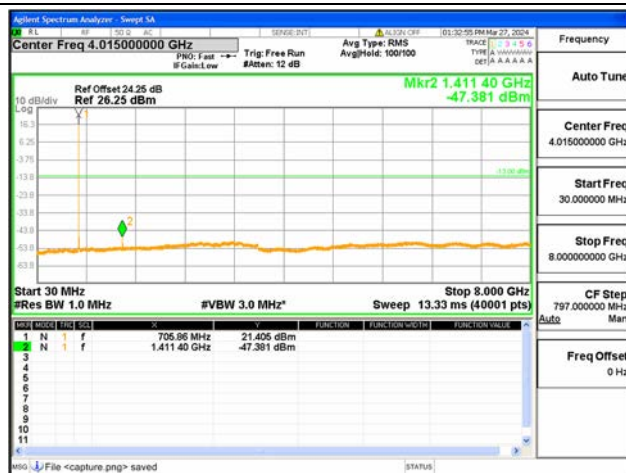
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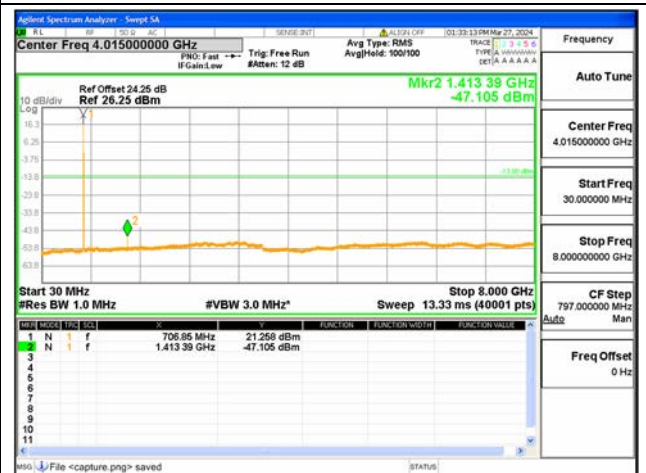
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B17 / 10MHz / Low CH / QPSK



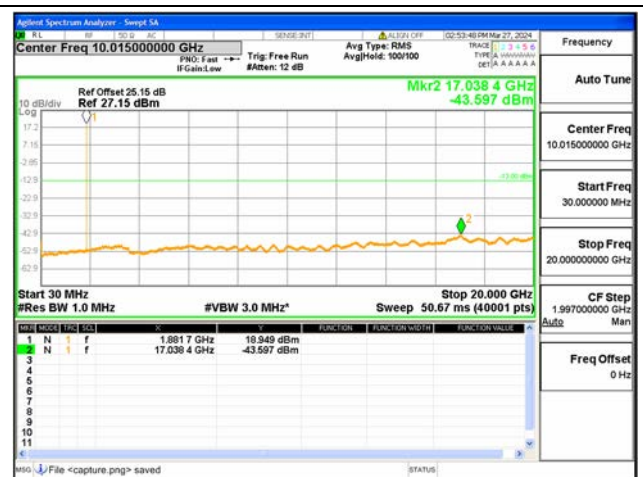
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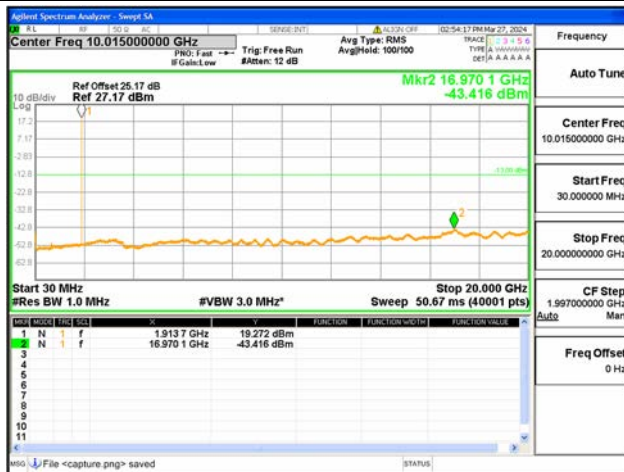
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B25 / 1.4MHz / Low CH / QPSK



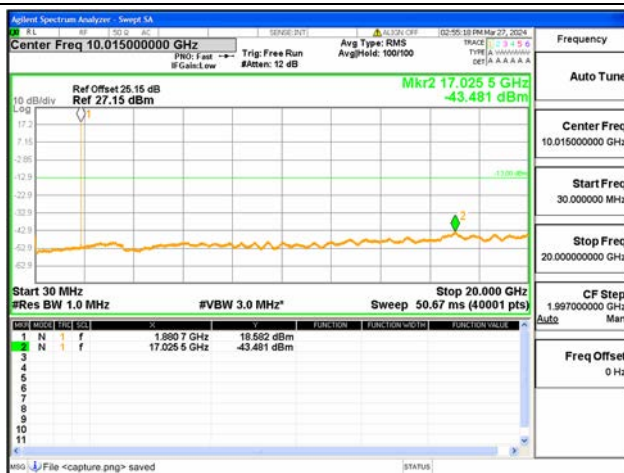
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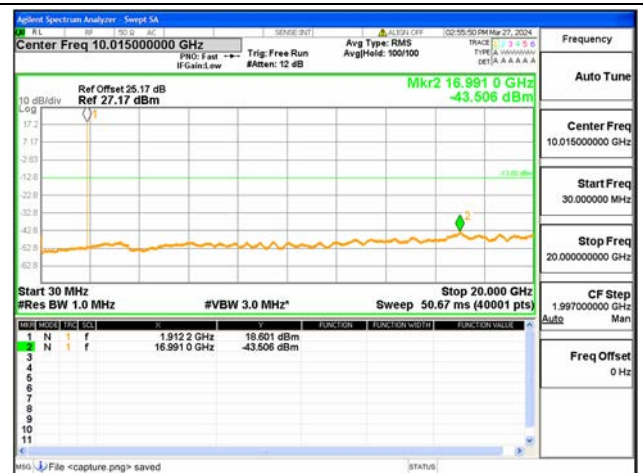
B25 / 1.4MHz / High CH / QPSK



B25 / 3MHz / Low CH / QPSK



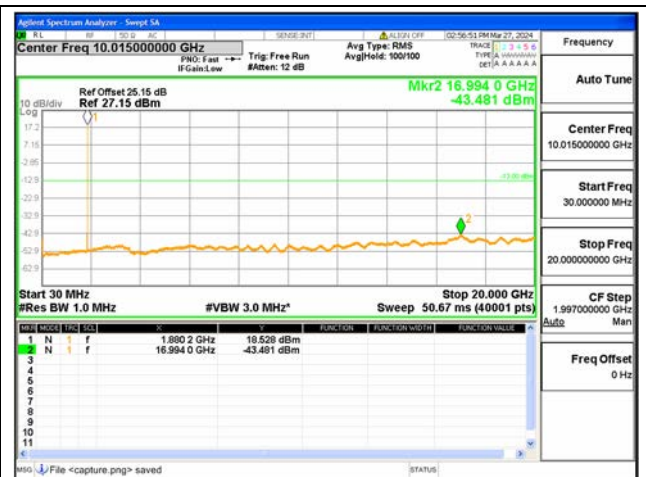
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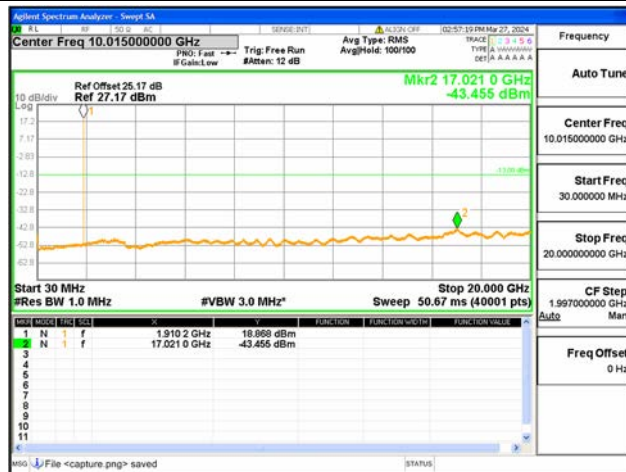
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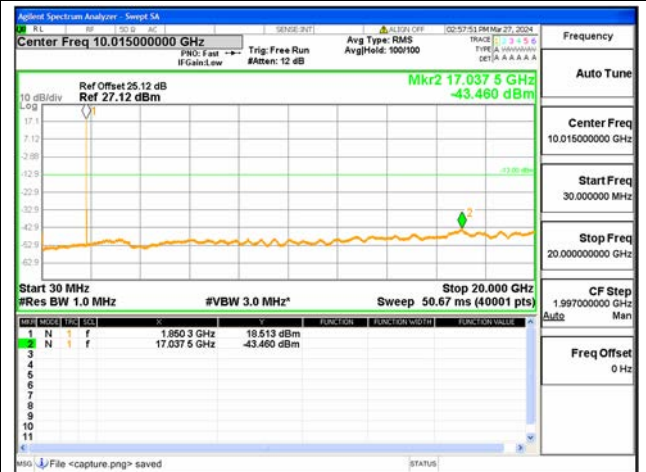
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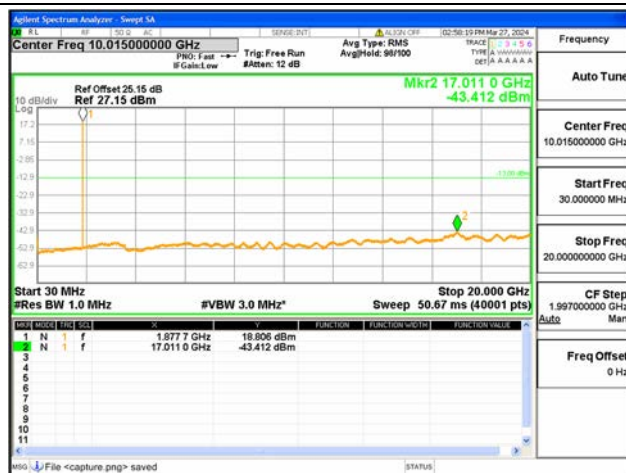
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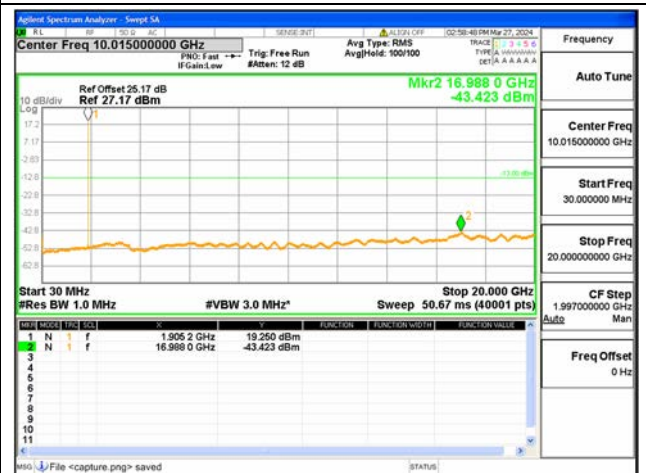
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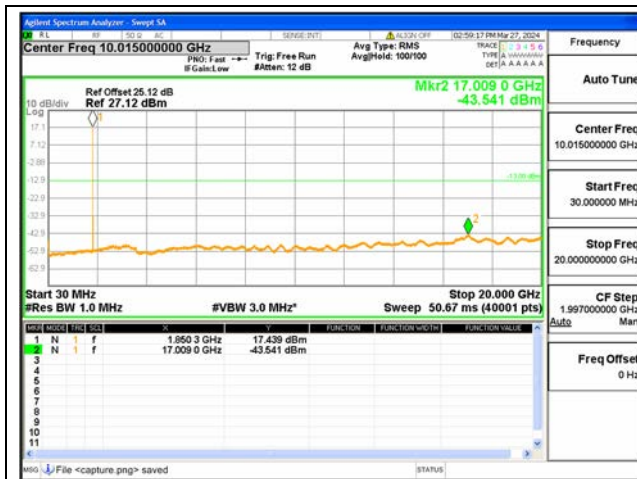
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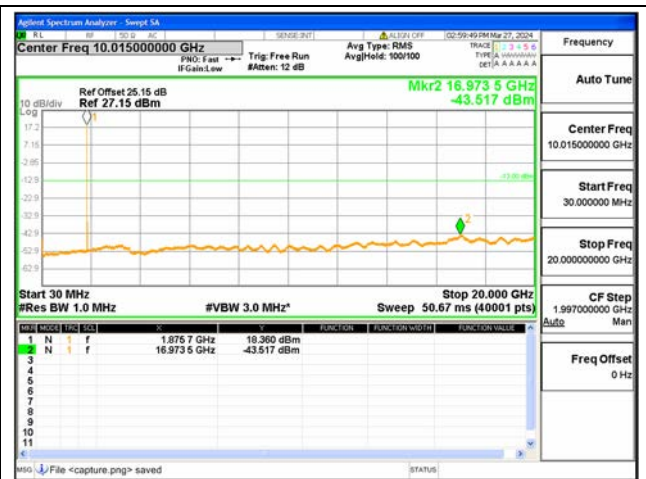
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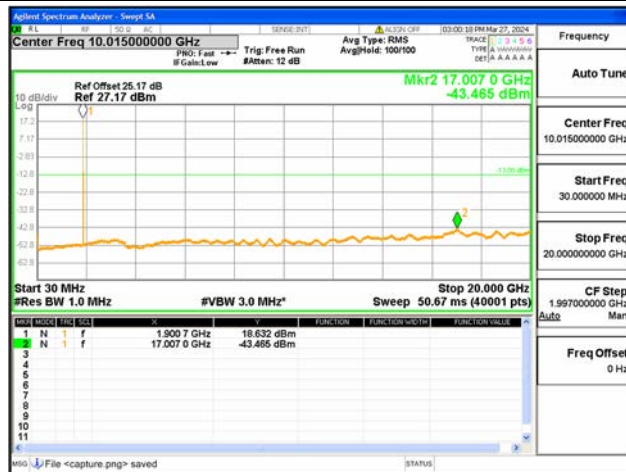
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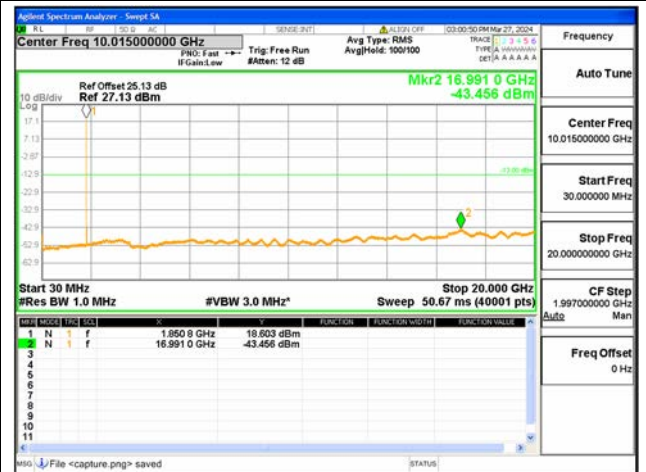
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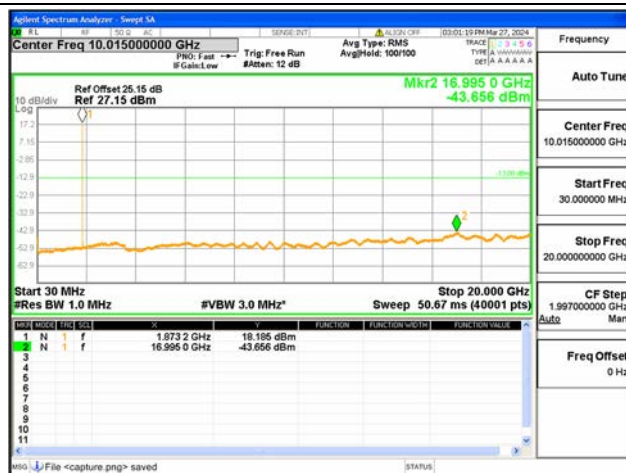
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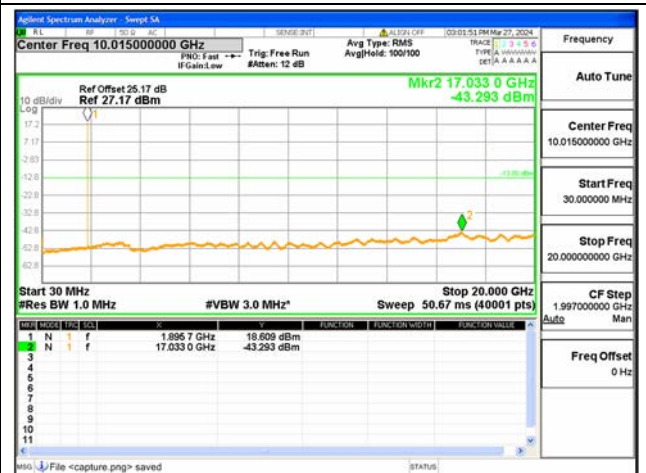
B25 / 15MHz / High CH / QPSK



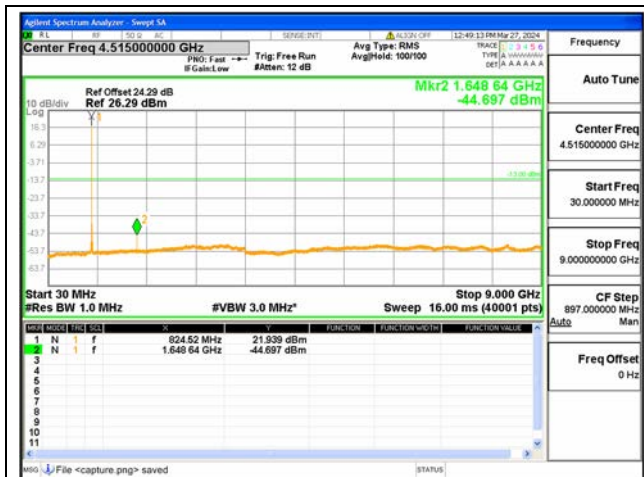
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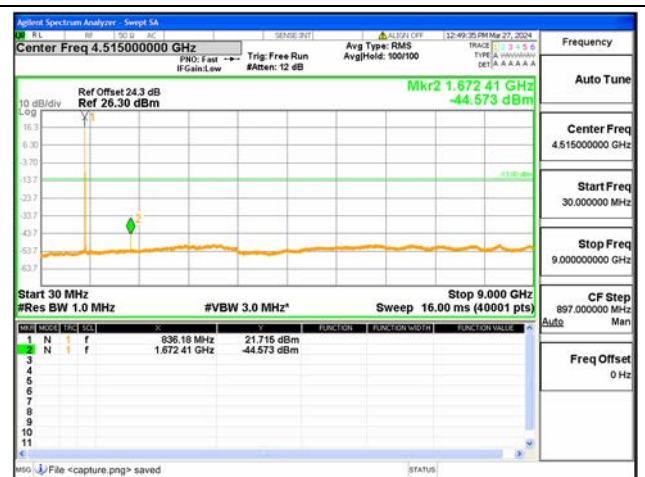
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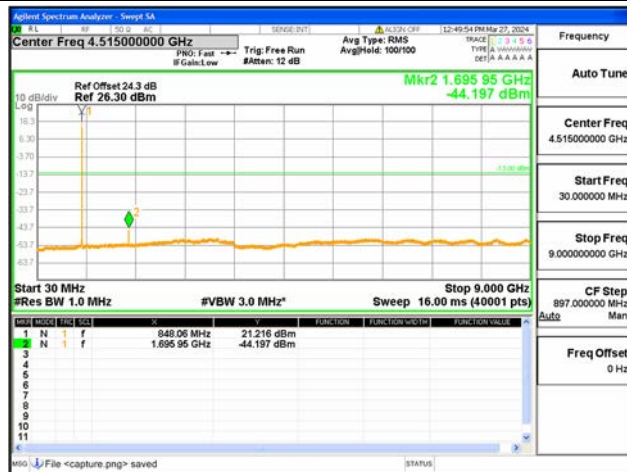
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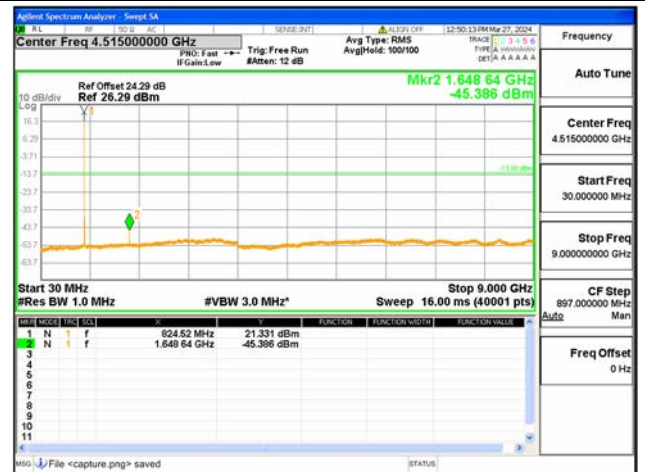
B26 Part22 / 1.4MHz / Low CH / QPSK



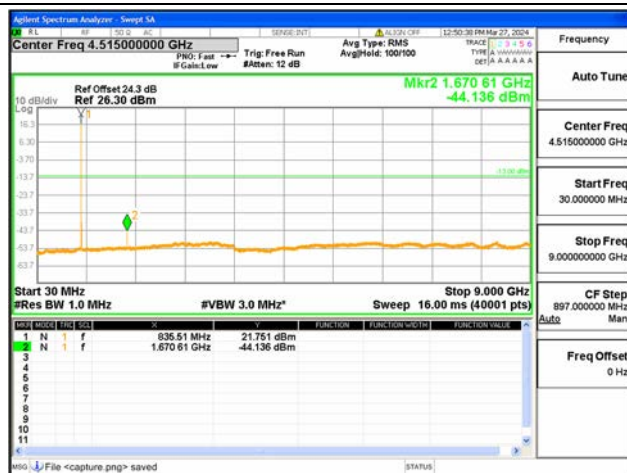
B26 Part22 / 1.4MHz / Mid CH / QPSK



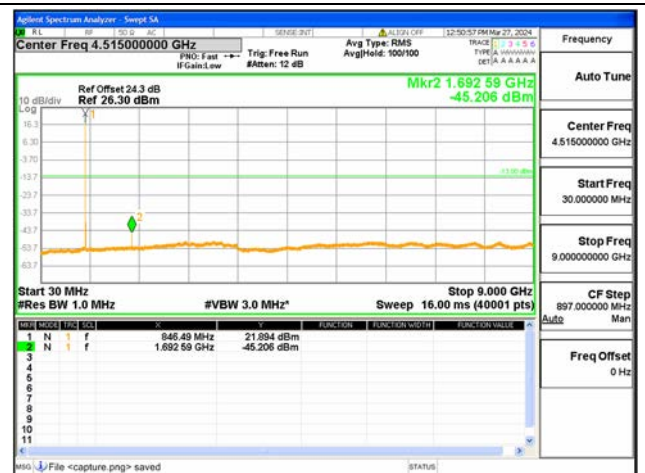
B26 Part22 / 1.4MHz / High CH / QPSK



B26 Part22 / 3MHz / Low CH / QPSK



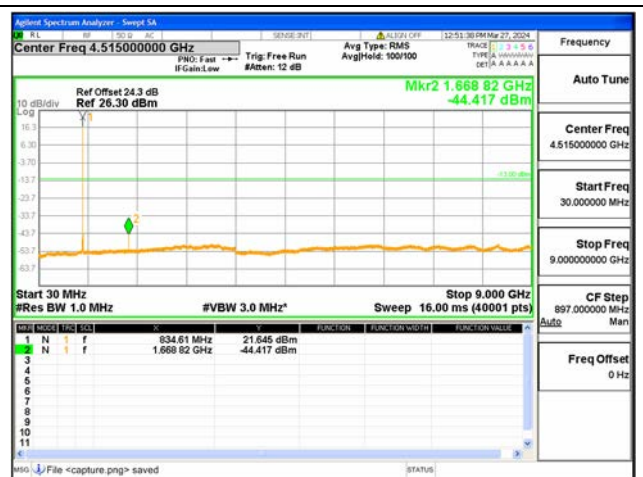
B26 Part22 / 3MHz / Mid CH / QPSK



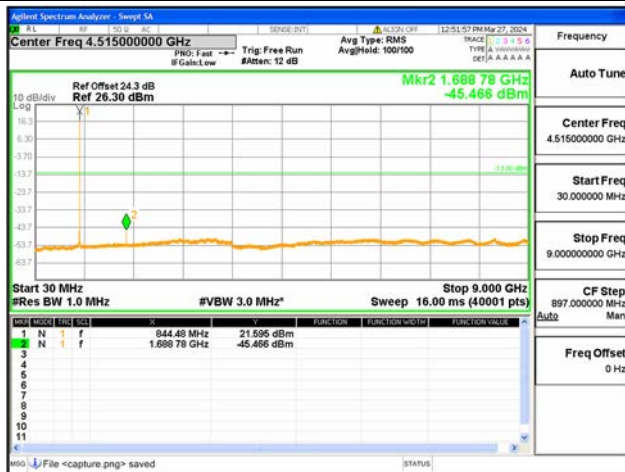
B26 Part22 / 3MHz / High CH / QPSK



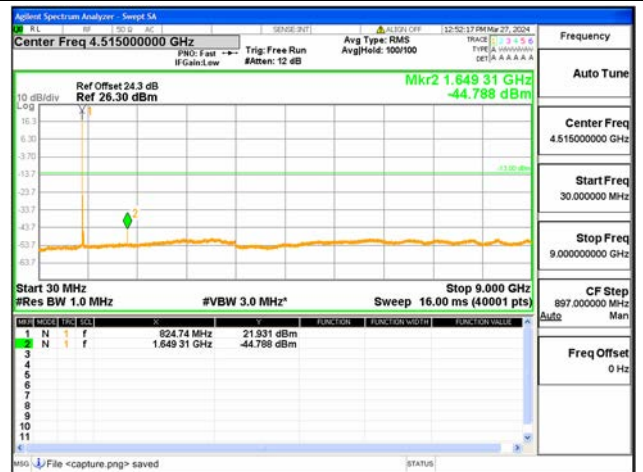
B26 Part22 / 5MHz / Low CH / QPSK



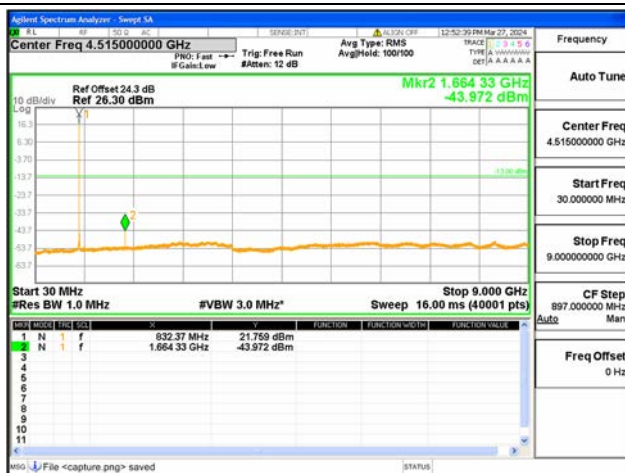
B26 Part22 / 5MHz / Mid CH / QPSK



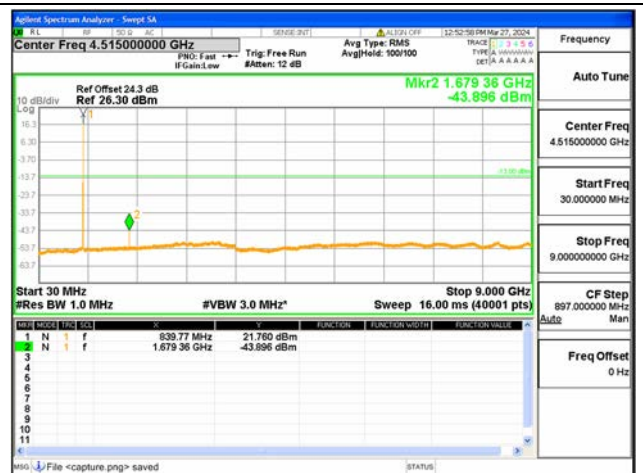
B26 Part22 / 5MHz / High CH / QPSK



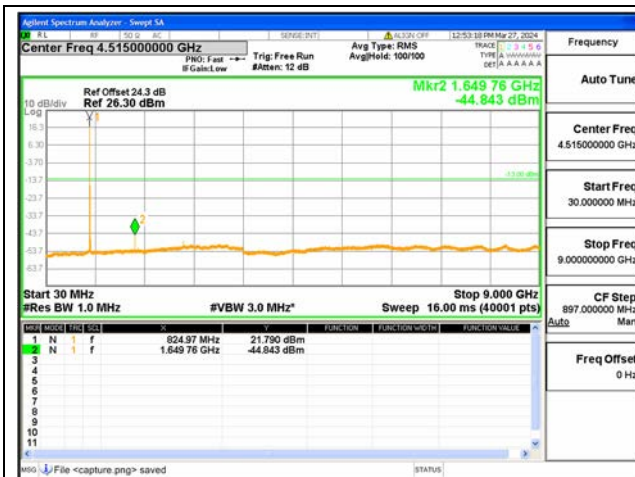
B26 Part22 / 10MHz / Low CH / QPSK



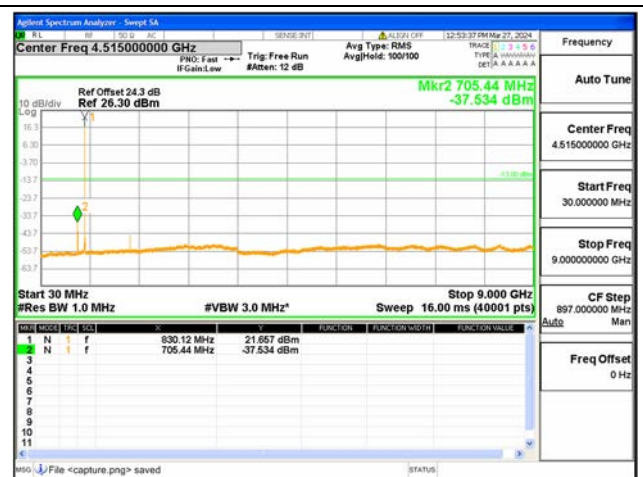
B26 Part22 / 10MHz / Mid CH / QPSK



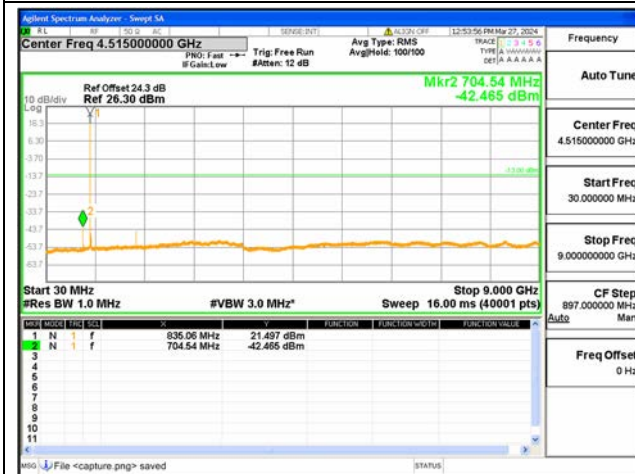
B26 Part22 / 10MHz / High CH / QPSK



B26 Part22 / 15MHz / Low CH / QPSK



B26 Part22 / 15MHz / Mid CH / QPSK



B26 Part22 / 15MHz / High CH / QPSK