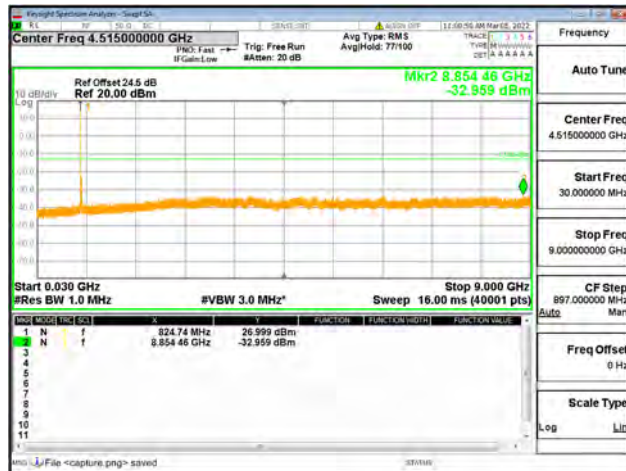
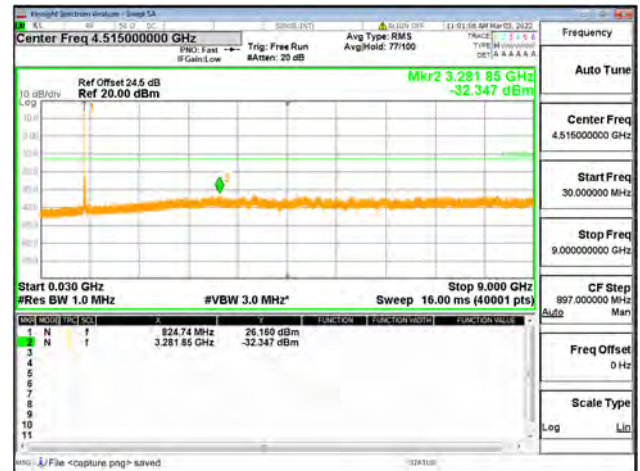




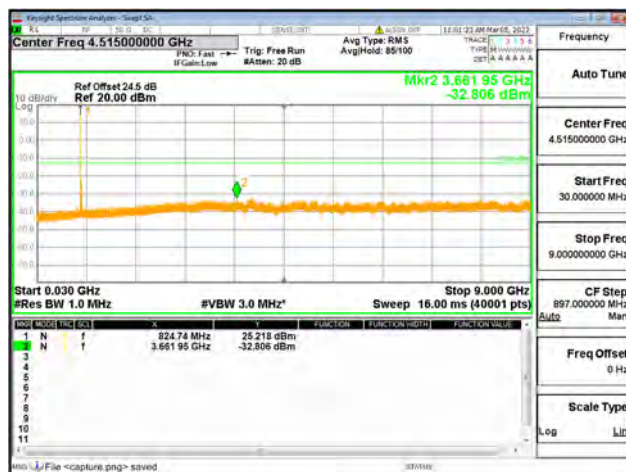
Band26Part22 / 15MHz / Low CH / QPSK



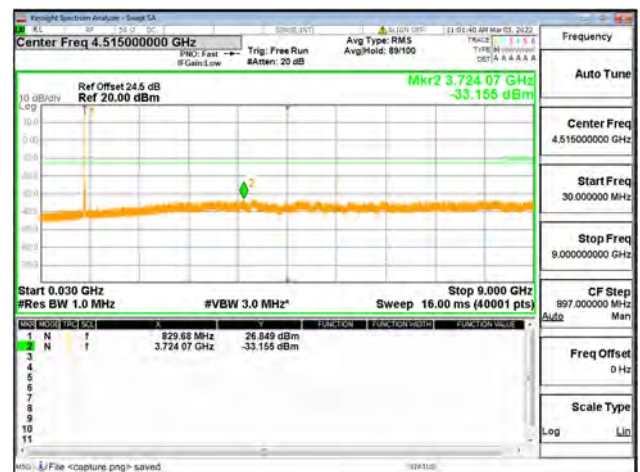
Band26Part22 / 15MHz / Low CH / 16QAM



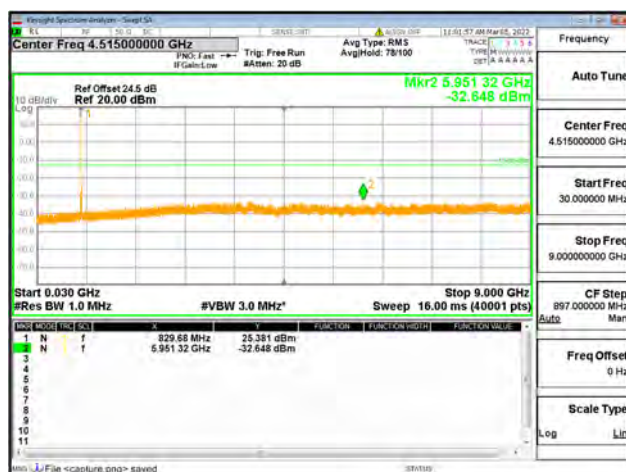
Band26Part22 / 15MHz / Low CH / 64QAM



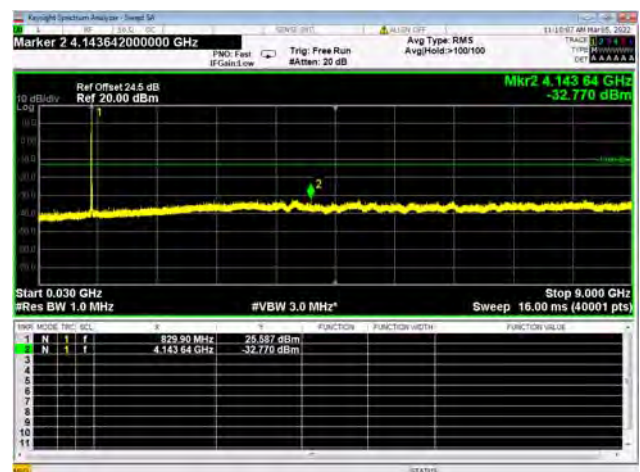
Band26Part22 / 15MHz / Mid CH / QPSK



Band26Part22 / 15MHz / Mid CH / 16QAM

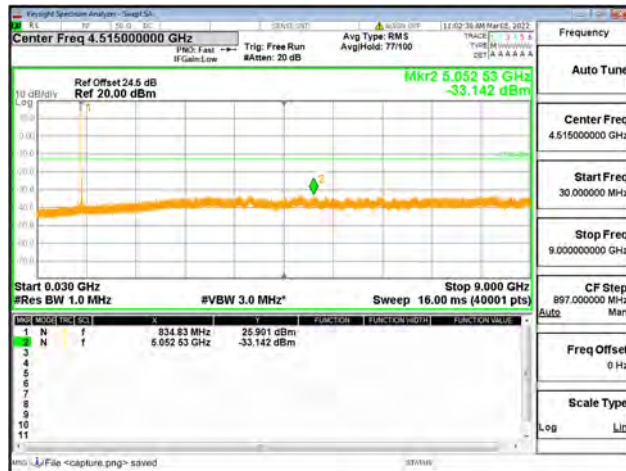


Band26Part22 / 15MHz / Mid CH / 64QAM

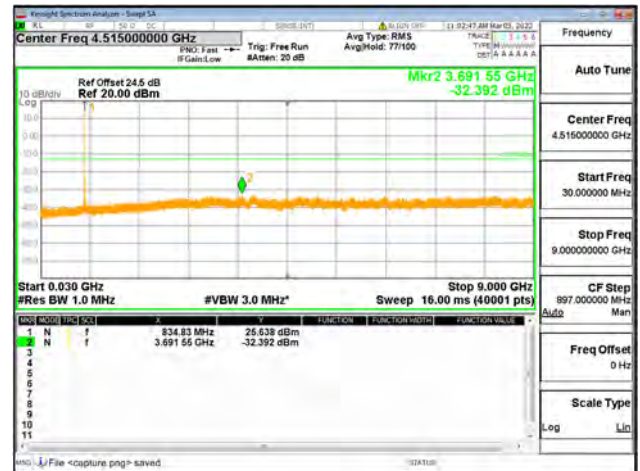




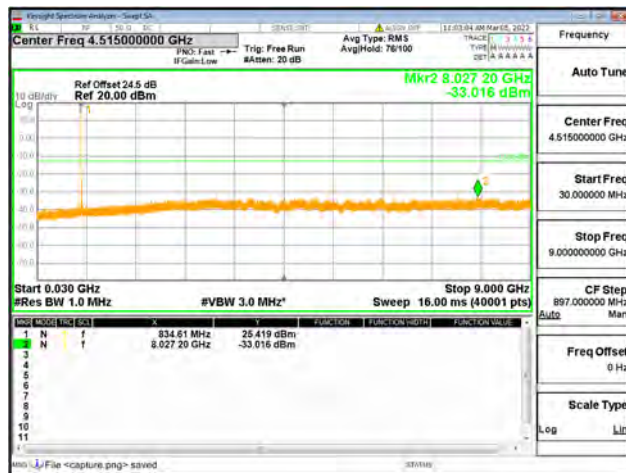
## Band26Part22 / 15MHz / High CH / QPSK



## Band26Part22 / 15MHz / High CH / 16QAM

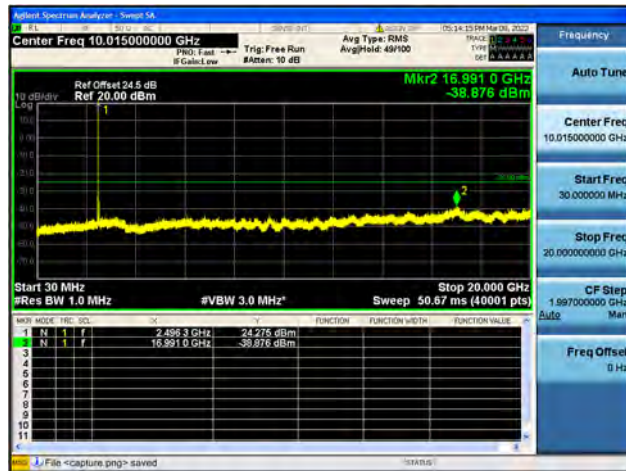


## Band26Part22 / 15MHz / High CH / 64QAM

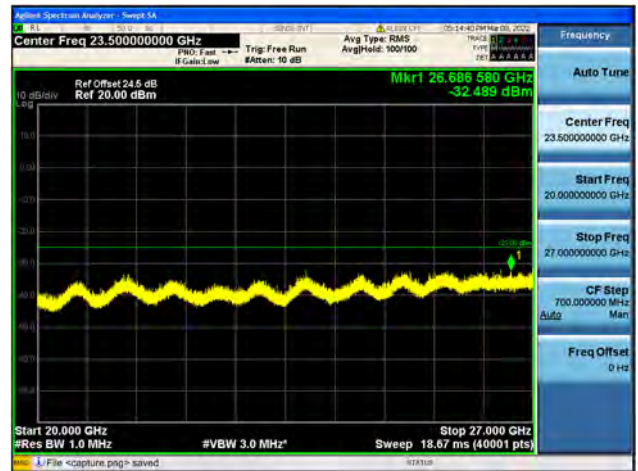




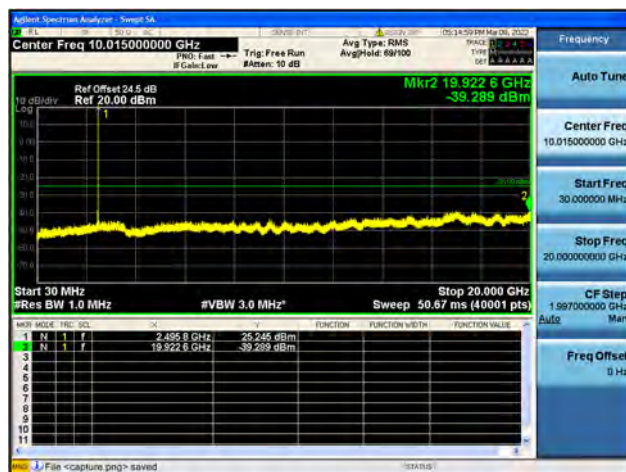
Band41-30M-20G / 5MHz / Low CH / QPSK



Band41-20G-27G / 5MHz / Low CH / QPSK



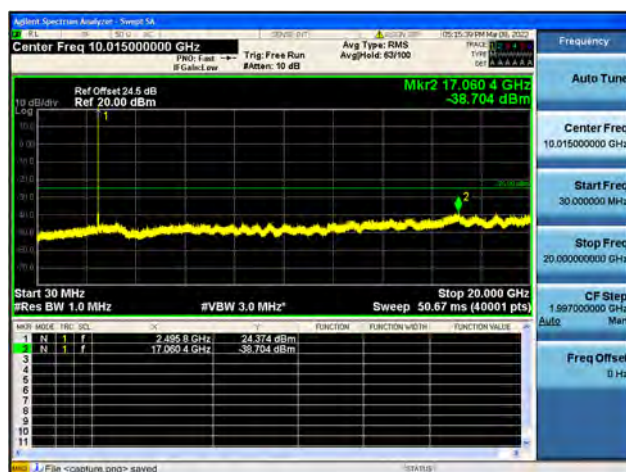
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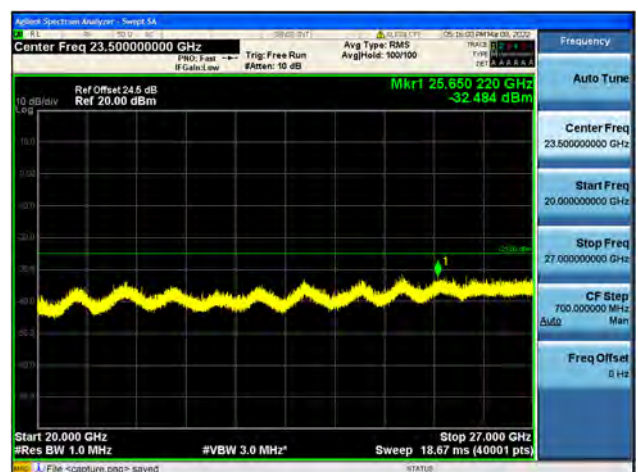
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Band41-30M-20G / 5MHz / Low CH / 64QAM

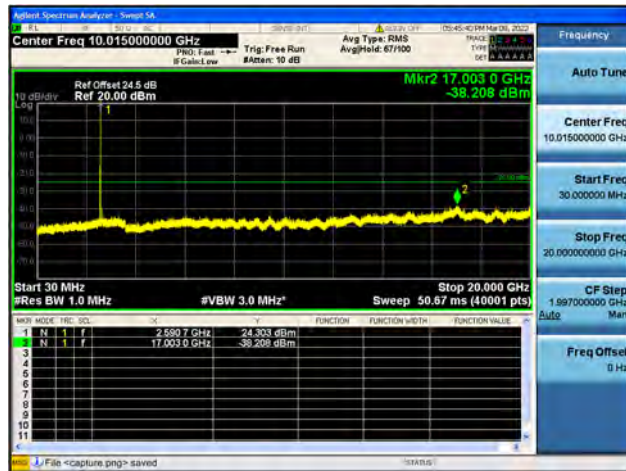


Band41-20G-27G / 5MHz / Low CH / 64QAM

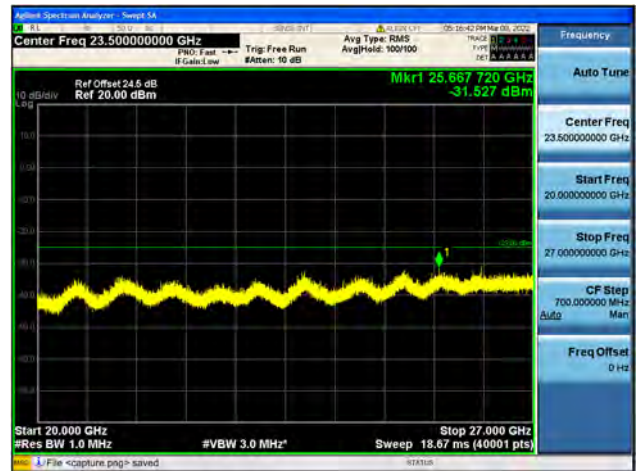




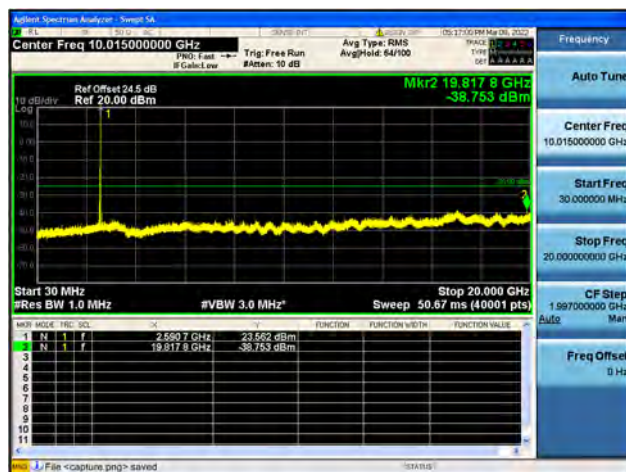
Band41-30M-20G / 5MHz / Mid CH / QPSK



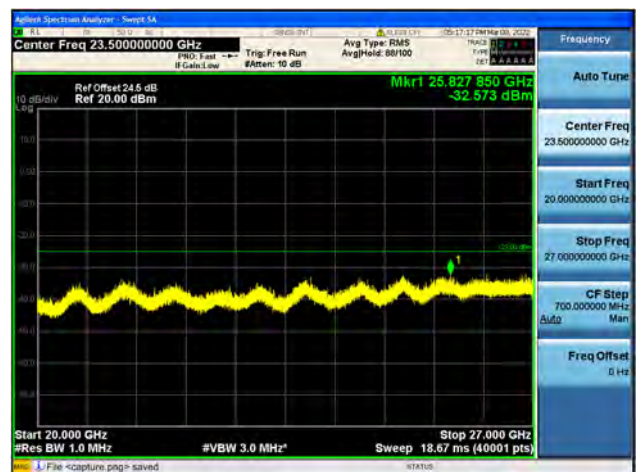
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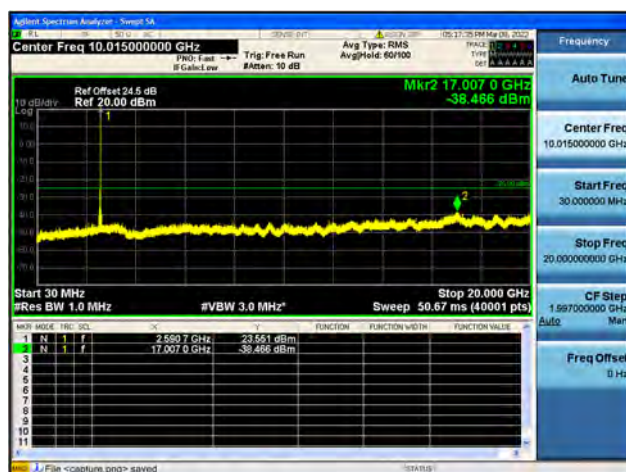
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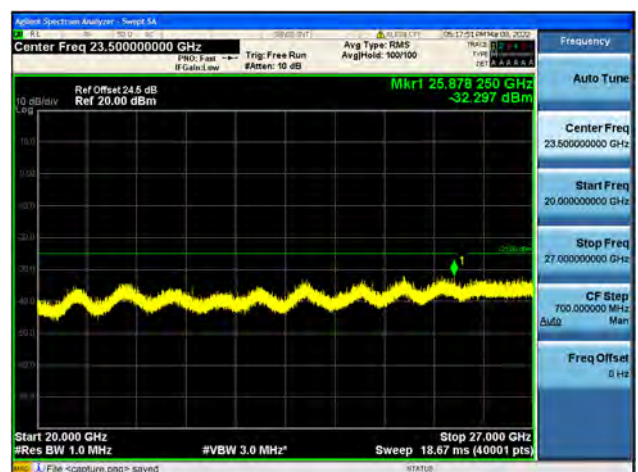
Band41-20G-27G / 5MHz / Mid CH / 16QAM



Band41-30M-20G / 5MHz / Mid CH / 64QAM

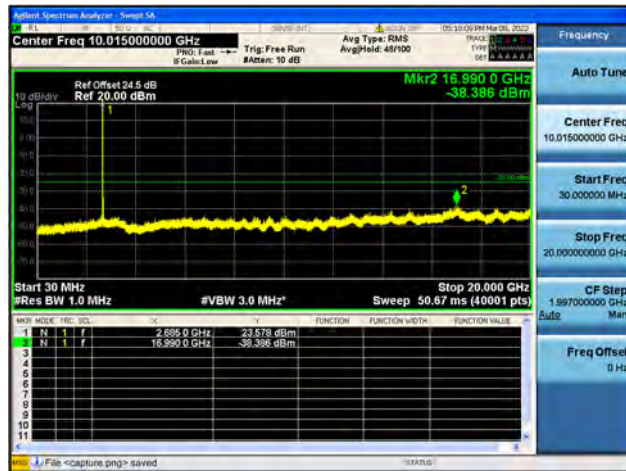


Band41-20G-27G / 5MHz / Mid CH / 64QAM

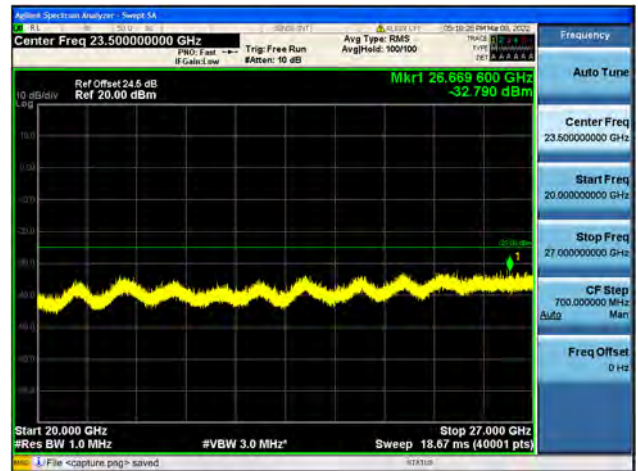




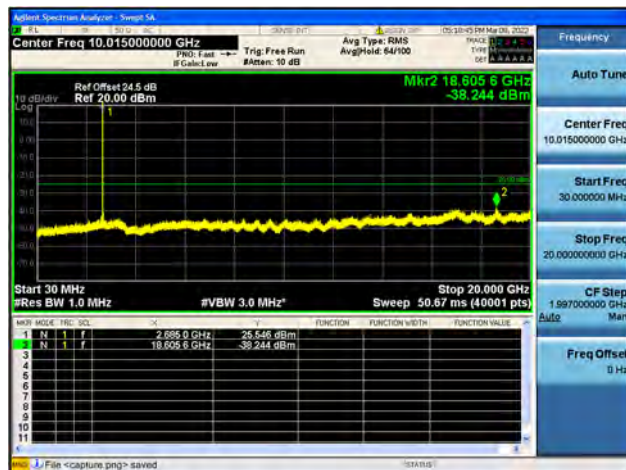
Band41-30M-20G / 5MHz / High CH / QPSK



Band41-20G-27G / 5MHz / High CH / QPSK



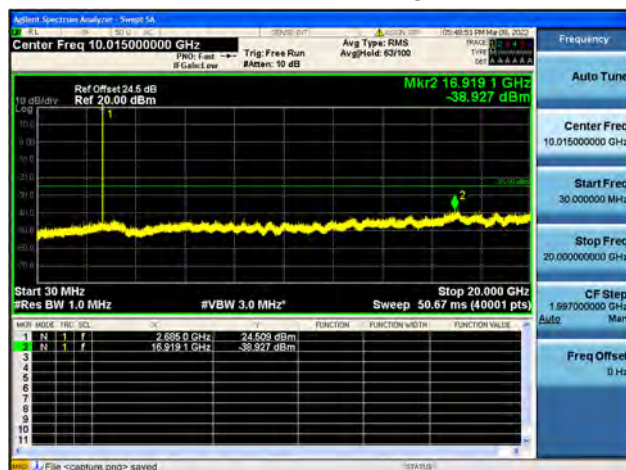
Band41-30M-20G / 5MHz / High CH / 16QAM



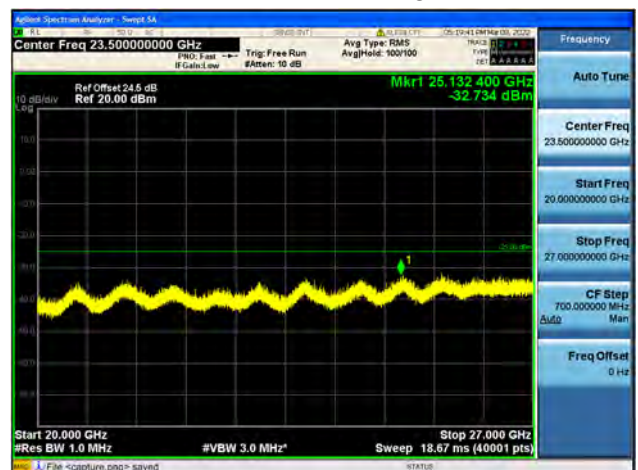
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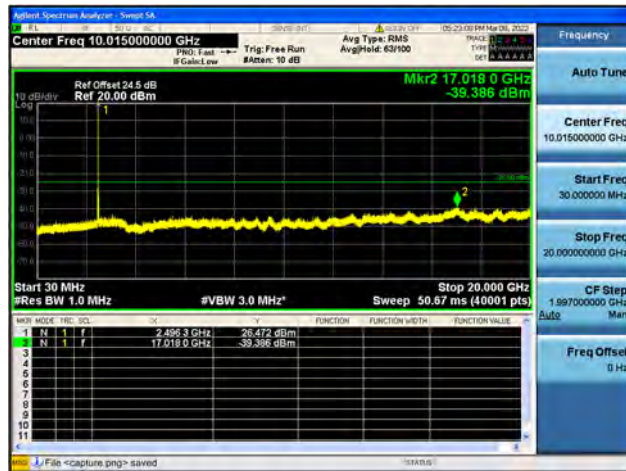
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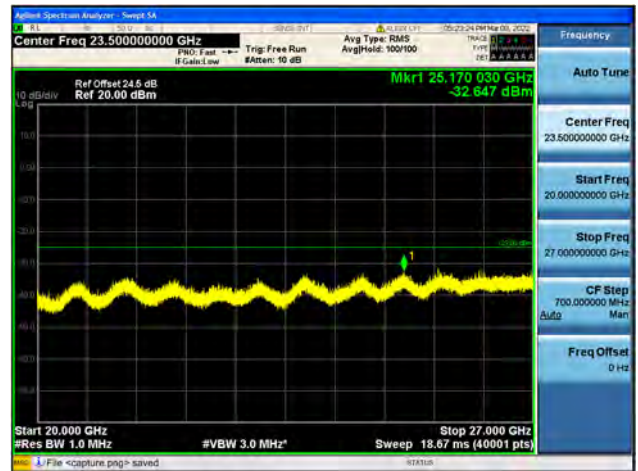
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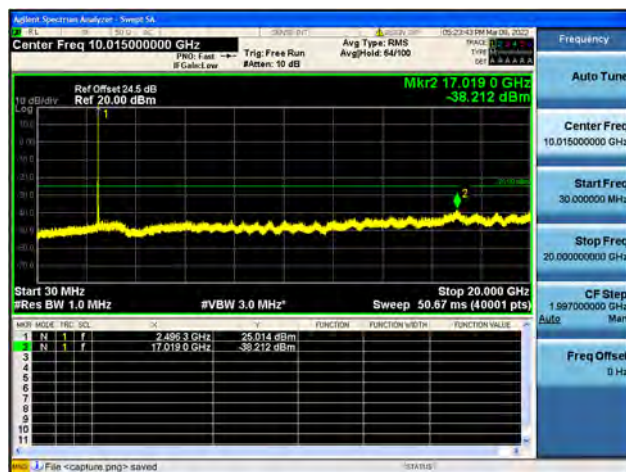
Band41-30M-20G / 10MHz / Low CH / QPSK



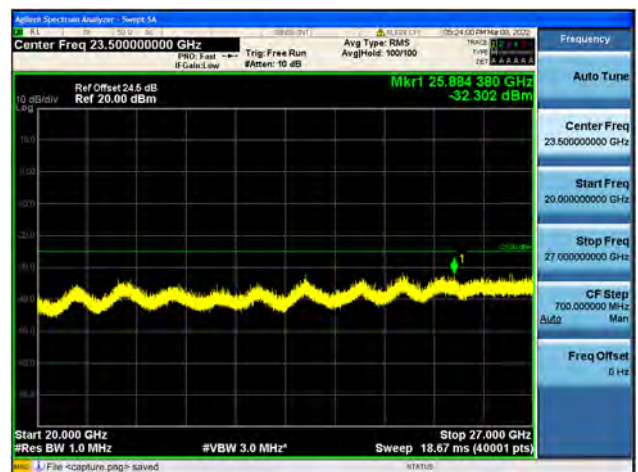
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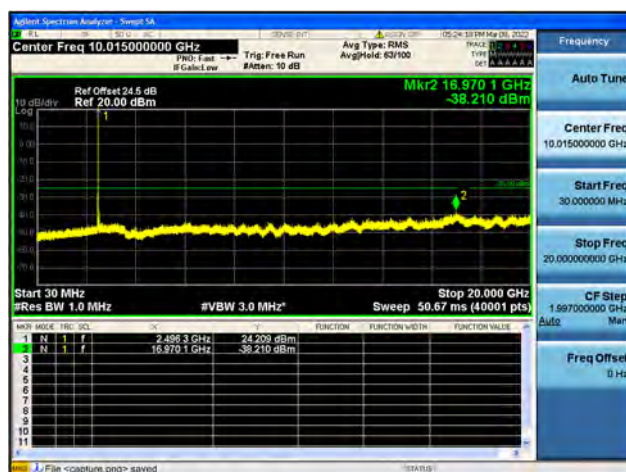
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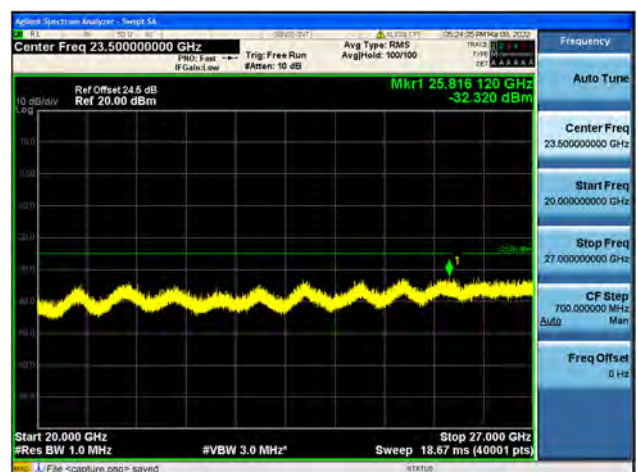
Band41-20G-27G / 10MHz / Low CH / 16QAM



Band41-30M-20G / 10MHz / Low CH / 64QAM

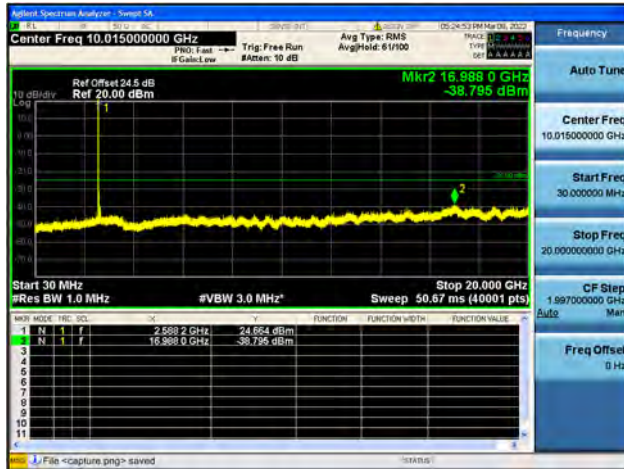


Band41-20G-27G / 10MHz / Low CH / 64QAM





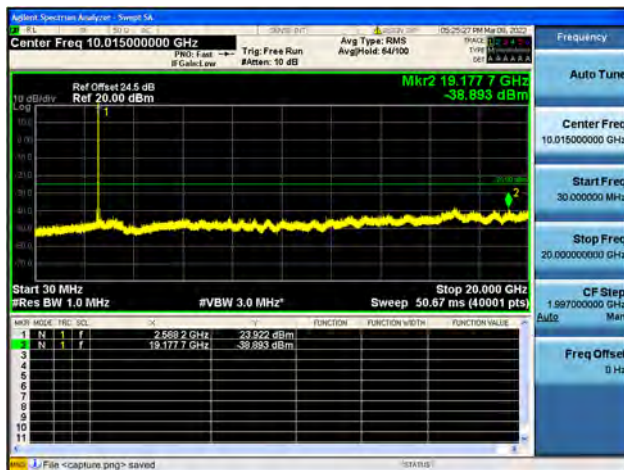
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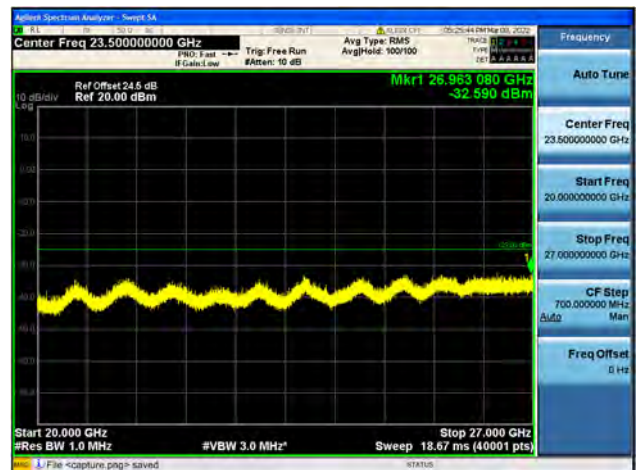
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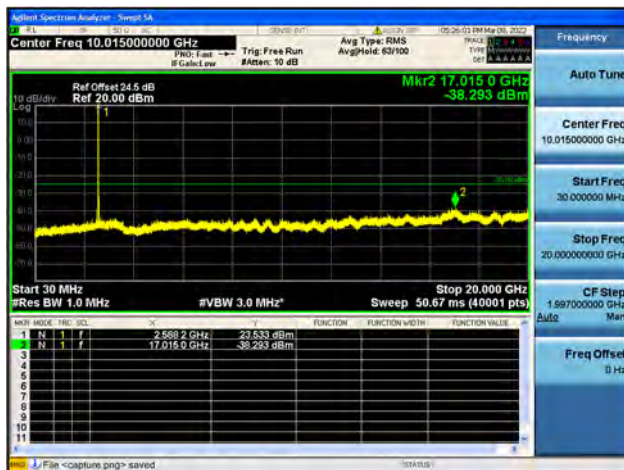
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Band41-20G-27G / 10MHz / Mid CH / 16QAM



Band41-30M-20G / 10MHz / Mid CH / 64QAM

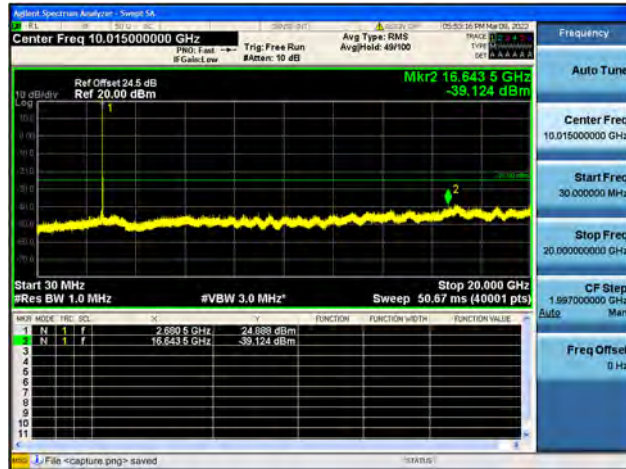


Band41-20G-27G / 10MHz / Mid CH / 64QAM





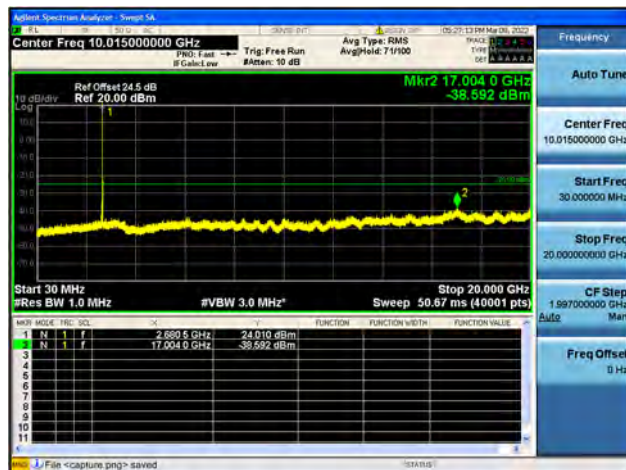
Band41-30M-20G / 10MHz / High CH / QPSK



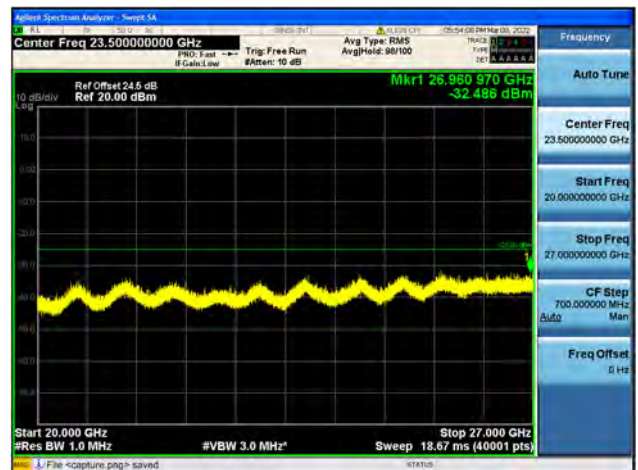
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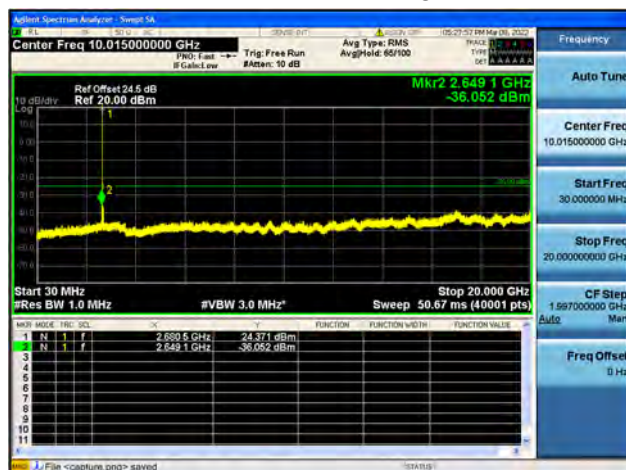
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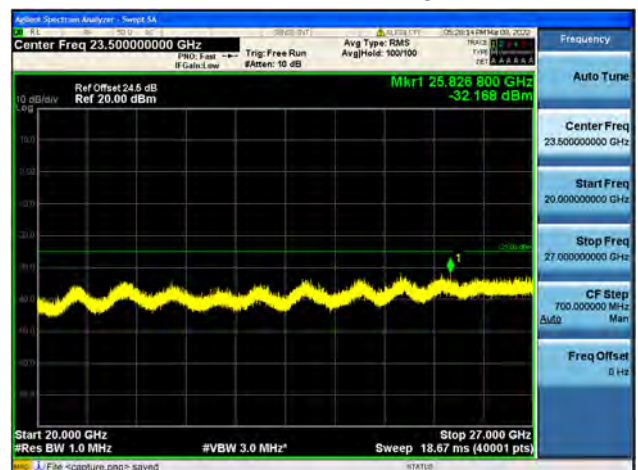
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Band41-30M-20G / 10MHz / High CH / 64QAM

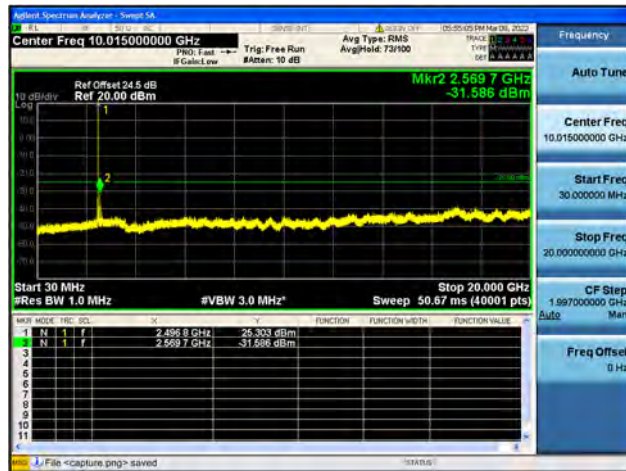


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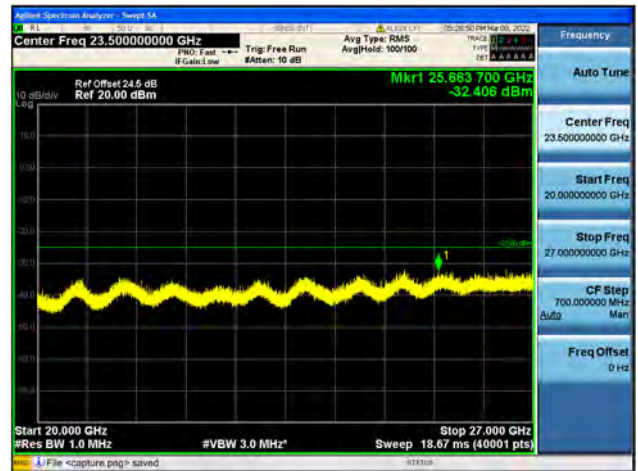




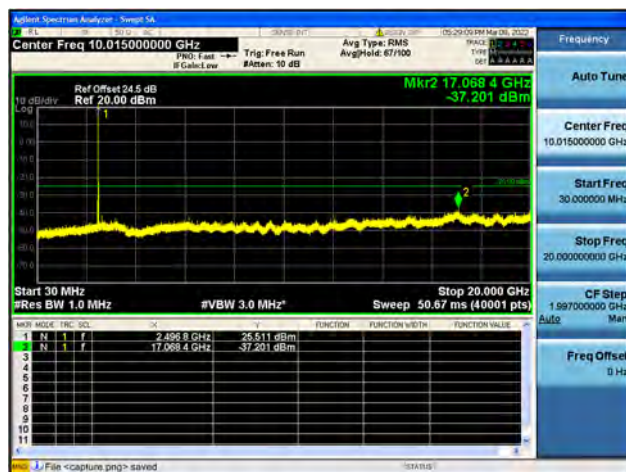
Band41-30M-20G / 15MHz / Low CH / QPSK



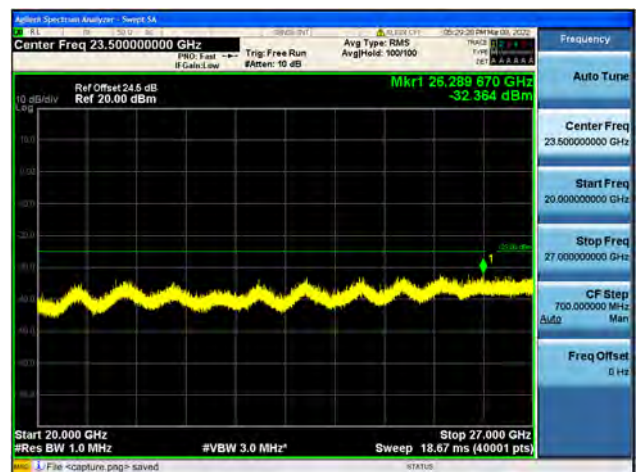
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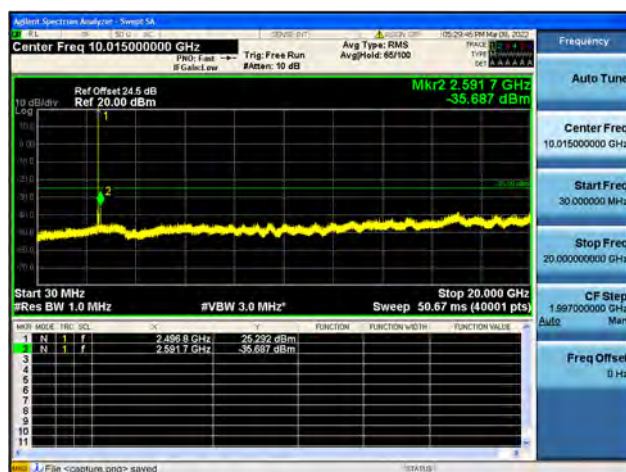
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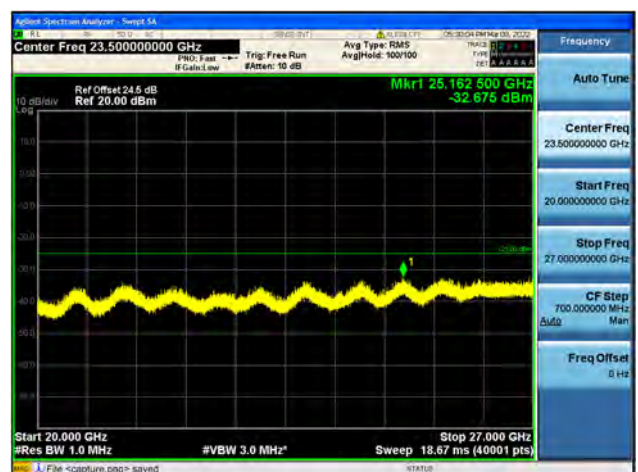
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Band41-30M-20G / 15MHz / Low CH / 64QAM

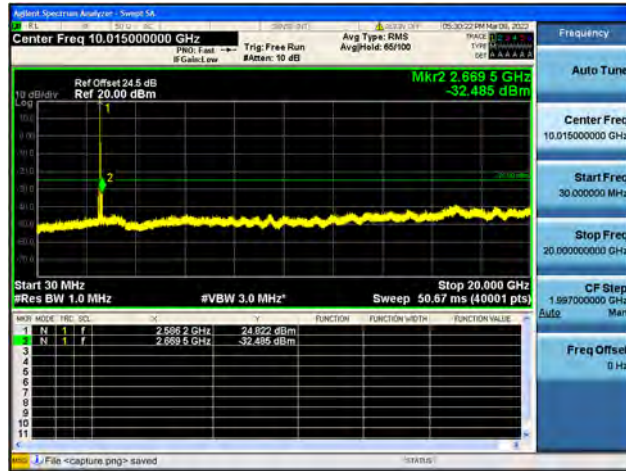


Band41-20G-27G / 15MHz / Low CH / 64QAM





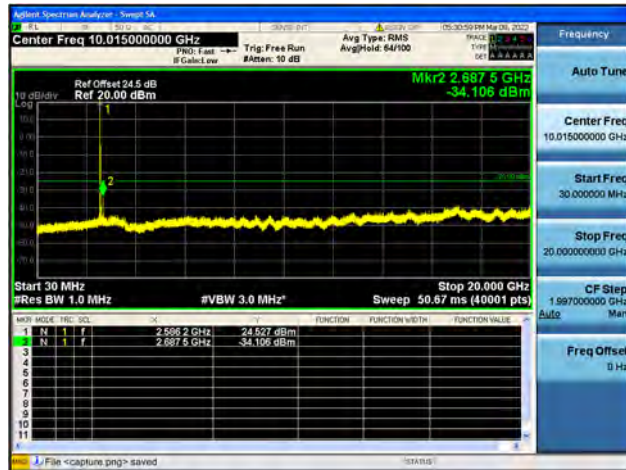
Band41-30M-20G / 15MHz / Mid CH / QPSK



Band41-20G-27G / 15MHz / Mid CH / QPSK



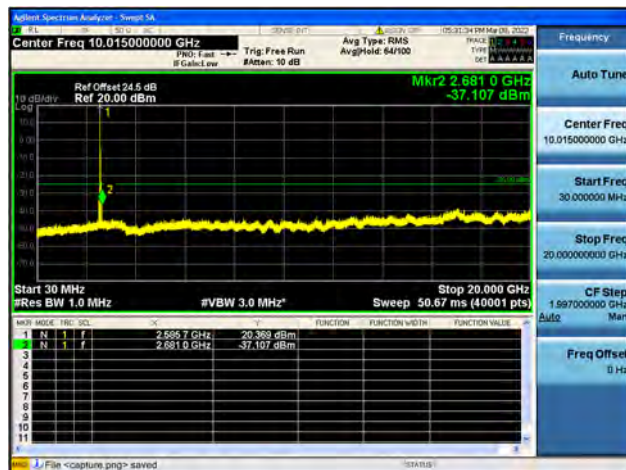
Band41-30M-20G / 15MHz / Mid CH / 16QAM



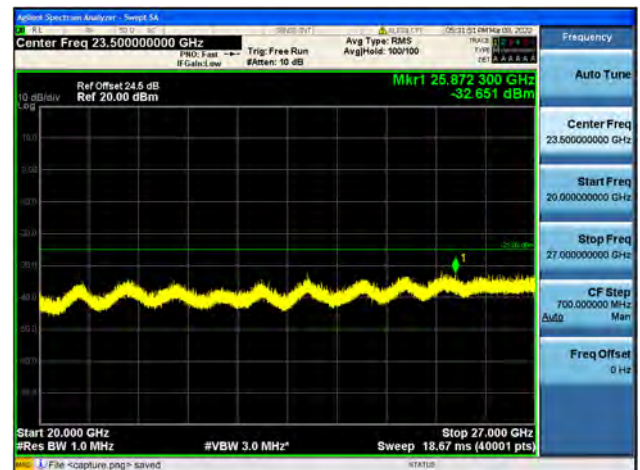
Band41-20G-27G / 15MHz / Mid CH / 16QAM



Band41-30M-20G / 15MHz / Mid CH / 64QAM

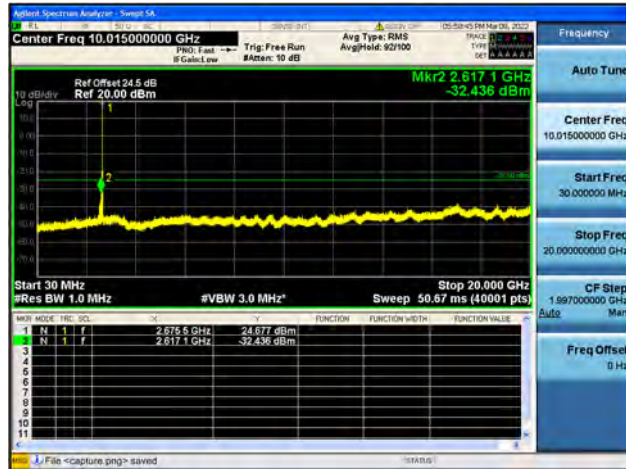


Band41-20G-27G / 15MHz / Mid CH / 64QAM





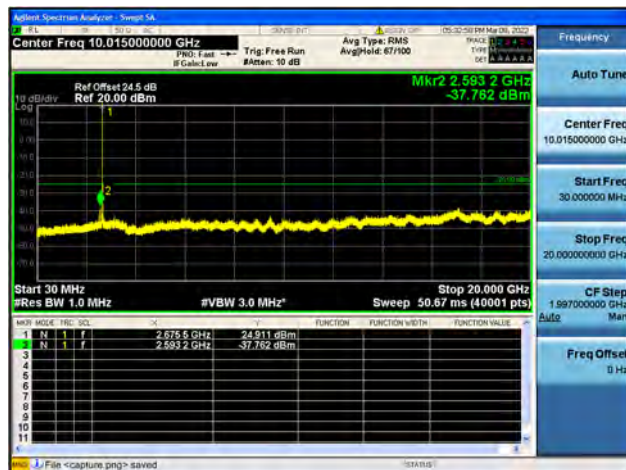
Band41-30M-20G / 15MHz / High CH / QPSK



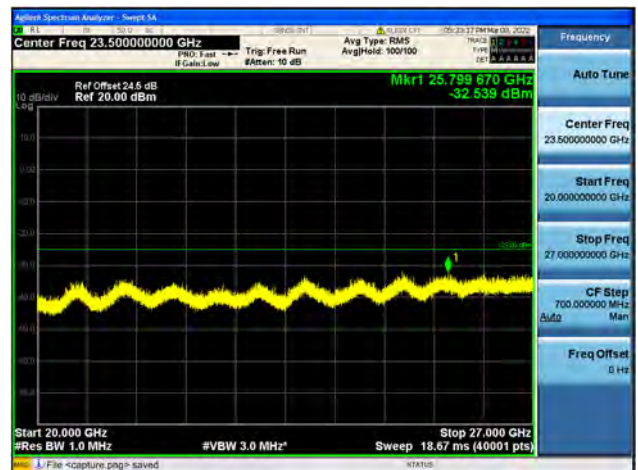
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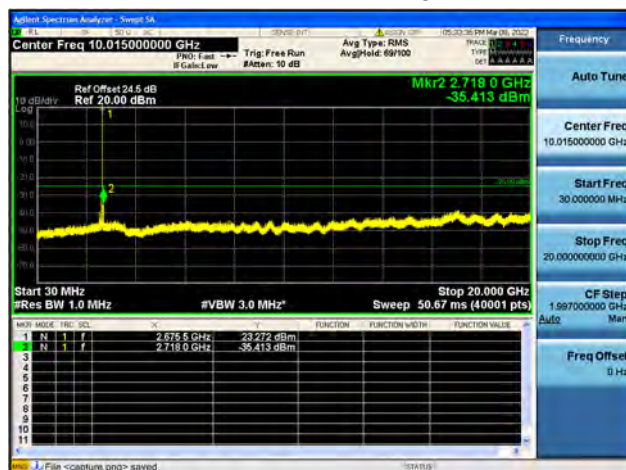
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Band41-20G-27G / 15MHz / High CH / 16QAM



Band41-30M-20G / 15MHz / High CH / 64QAM

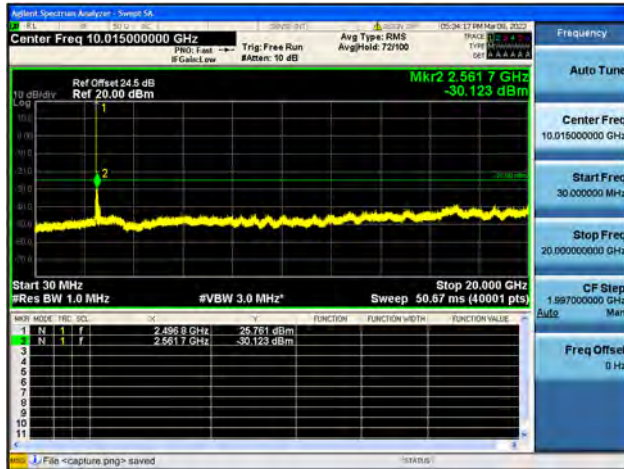


Band41-20G-27G / 15MHz / High CH / 64QAM





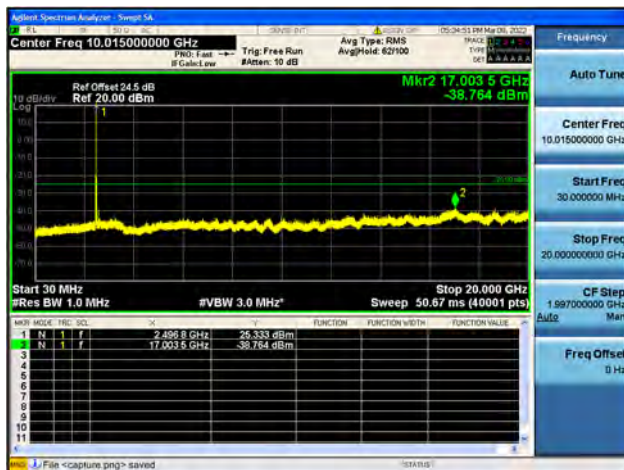
Band41-30M-20G / 20MHz / Low CH / QPSK



Band41-20G-27G / 20MHz / Low CH / QPSK



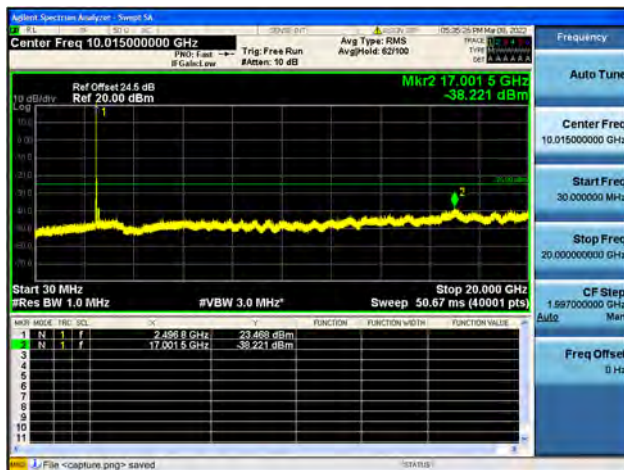
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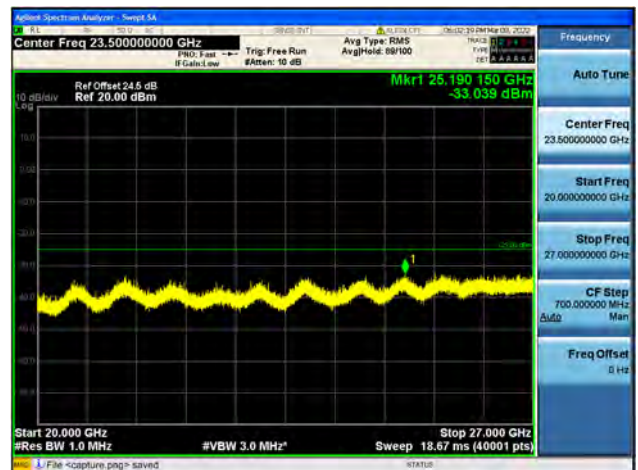
Band41-20G-27G / 20MHz / Low CH / 16QAM



Band41-30M-20G / 20MHz / Low CH / 64QAM

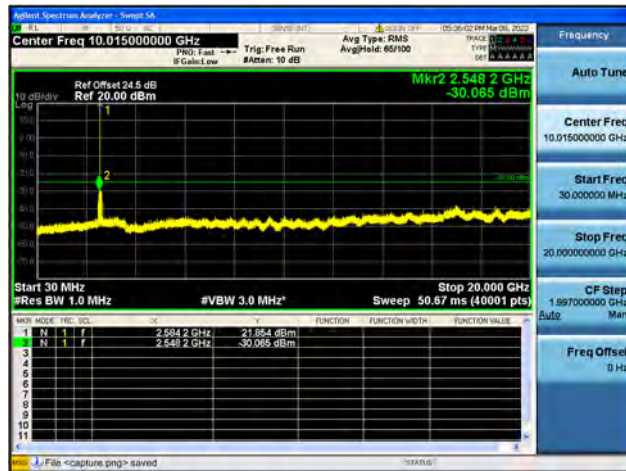


Band41-20G-27G / 20MHz / Low CH / 64QAM

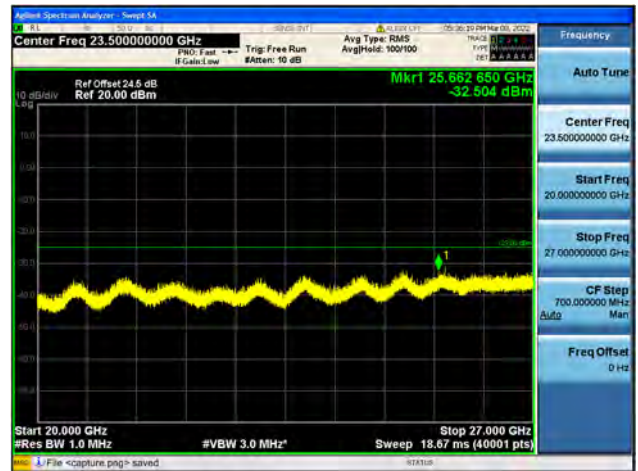




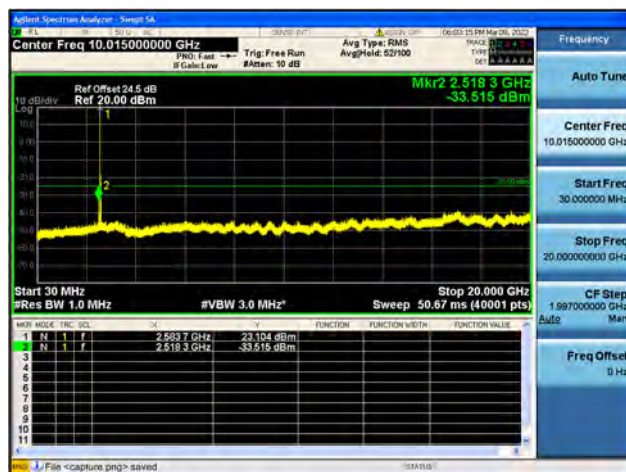
Band41-30M-20G / 20MHz / Mid CH / QPSK



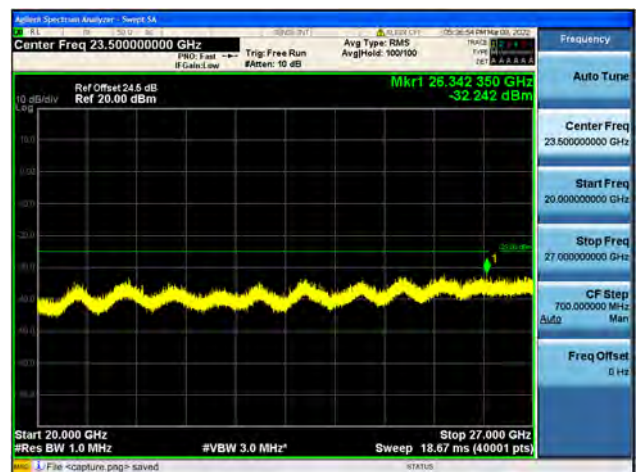
Band41-20G-27G / 20MHz / Mid CH / QPSK



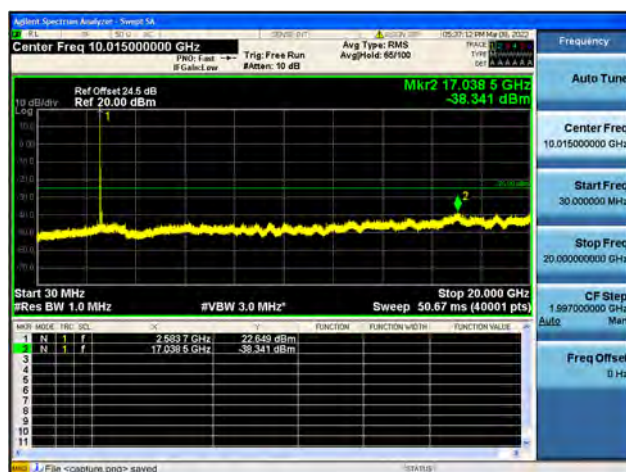
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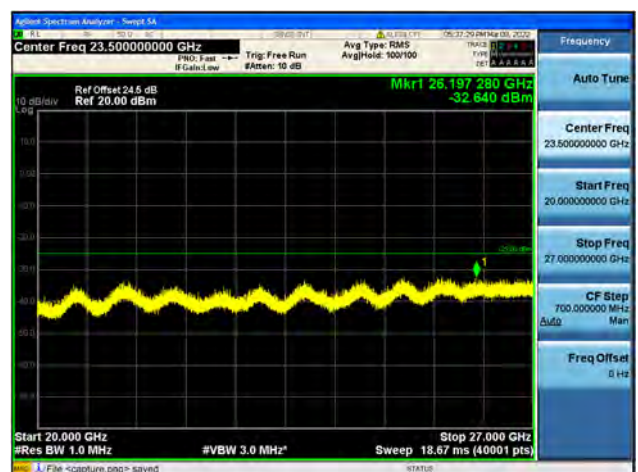
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Band41-30M-20G / 20MHz / Mid CH / 64QAM

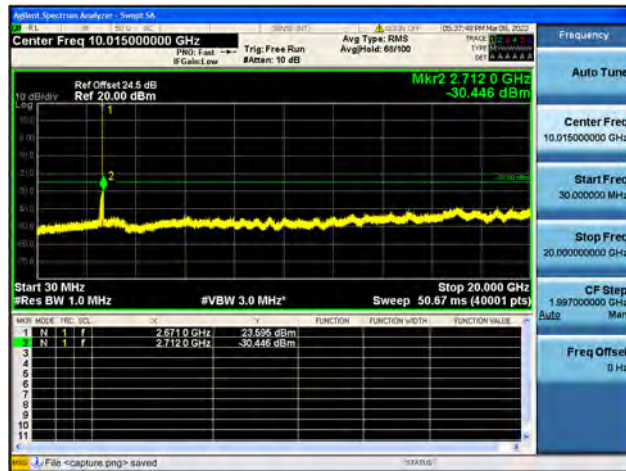


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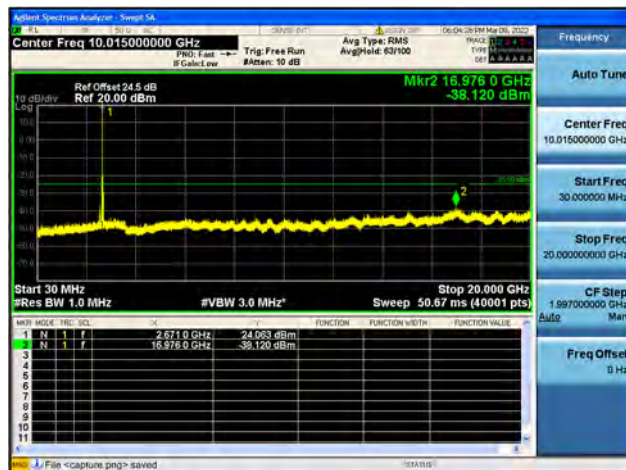
Band41-30M-20G / 20MHz / High CH / QPSK



Band41-20G-27G / 20MHz / High CH / QPSK



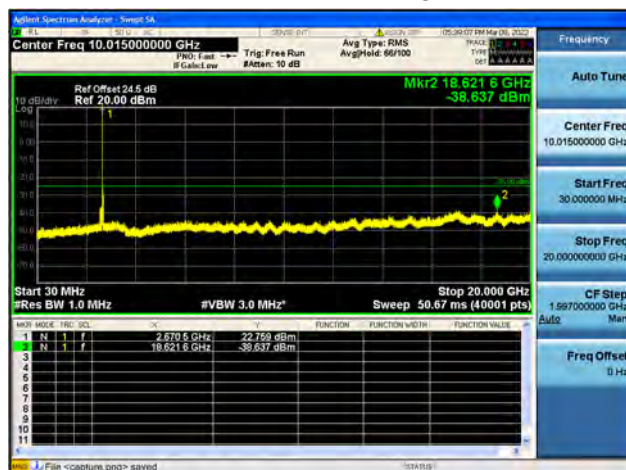
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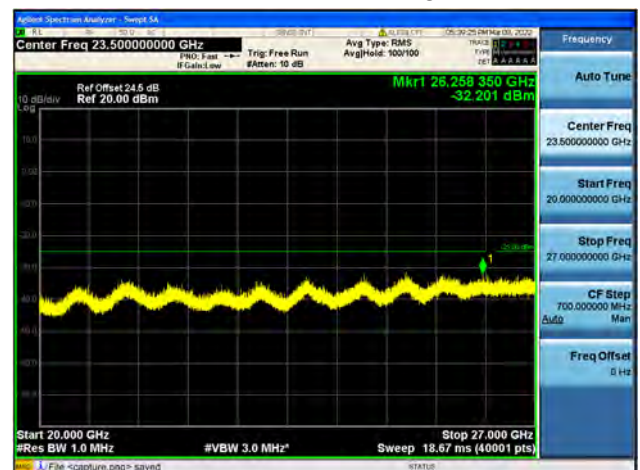
Band41-20G-27G / 20MHz / High CH / 16QAM



Band41-30M-20G / 20MHz / High CH / 64QAM

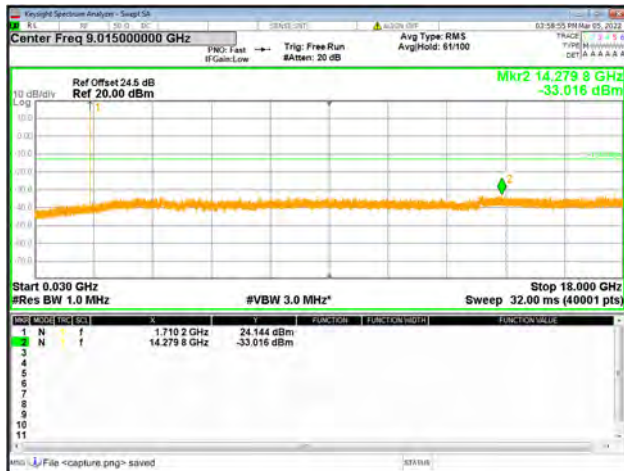


Band41-20G-27G / 20MHz / High CH / 64QAM

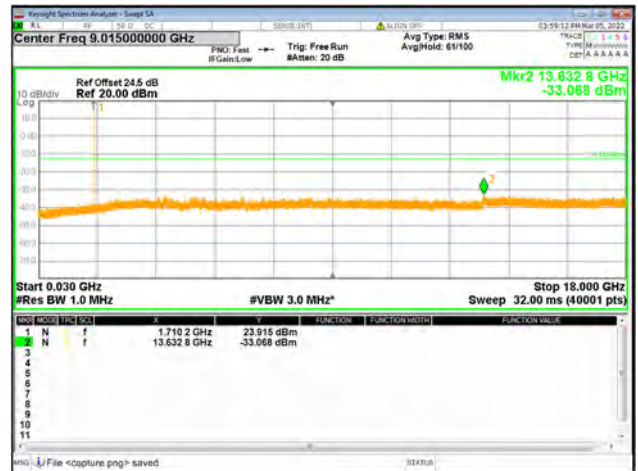




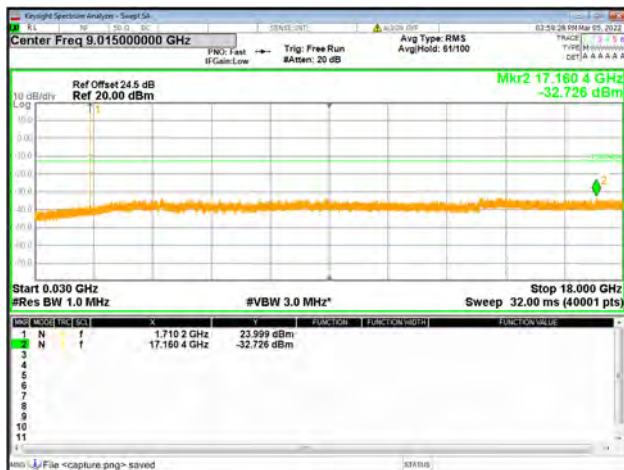
Band66 / 1.4MHz / Low CH / QPSK



Band66 / 1.4MHz / Low CH / 16QAM



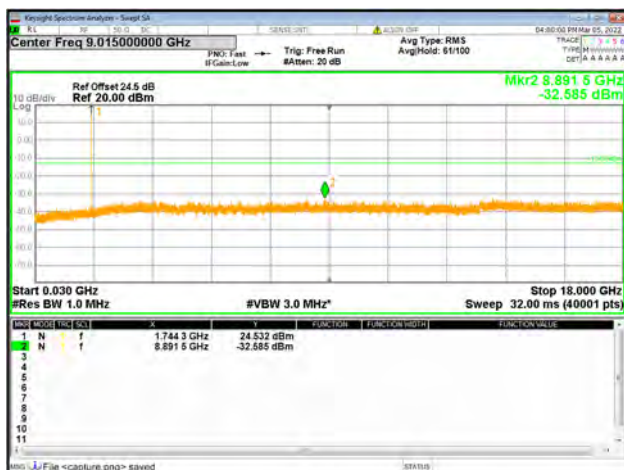
Band66 / 1.4MHz / Low CH / 64QAM



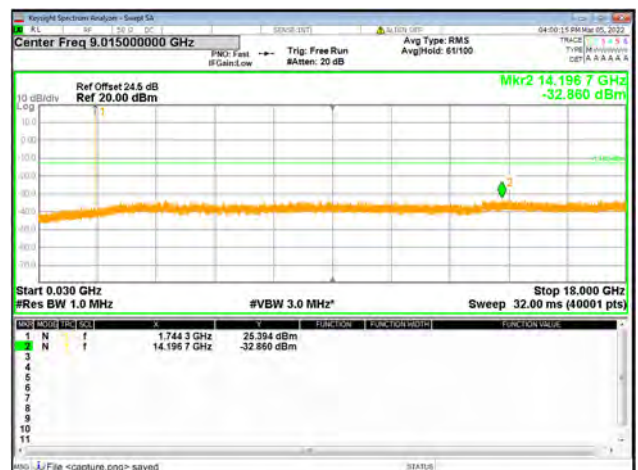
Band66 / 1.4MHz / Mid CH / QPSK



Band66 / 1.4MHz / Mid CH / 16QAM

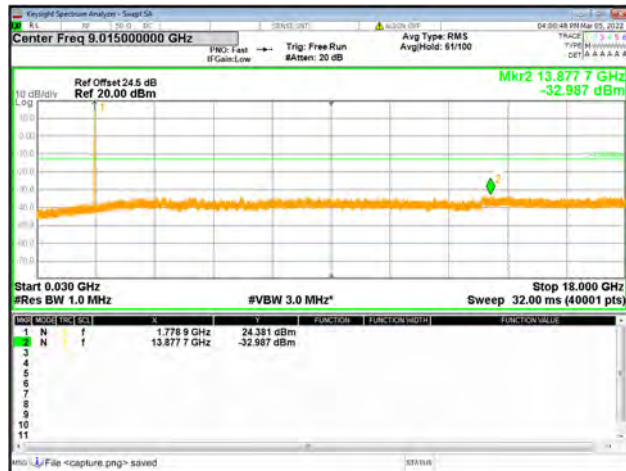


Band66 / 1.4MHz / Mid CH / 64QAM

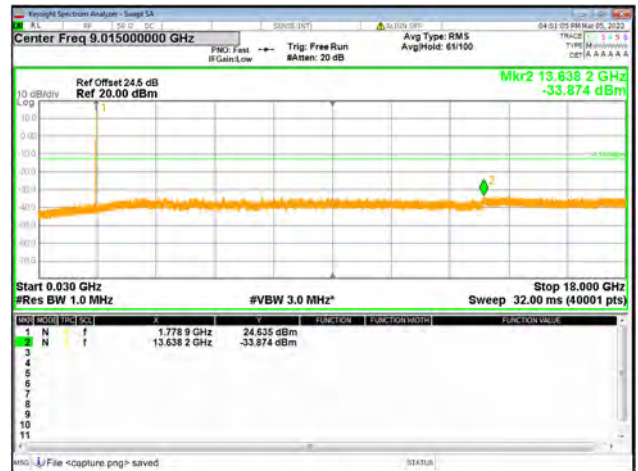




Band66 / 1.4MHz / High CH / QPSK



Band66 / 1.4MHz / High CH / 16QAM



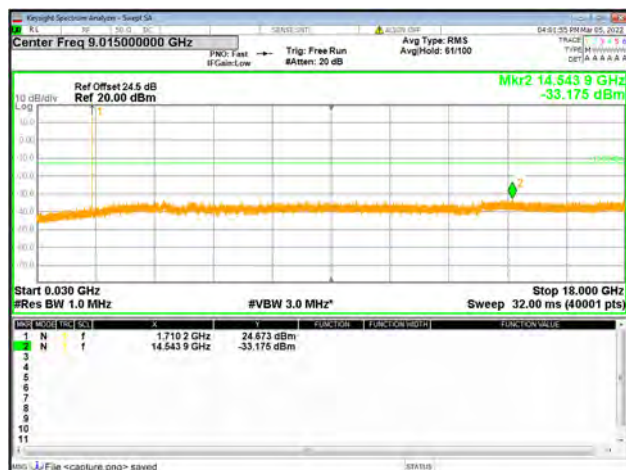
Band66 / 1.4MHz / High CH / 64QAM



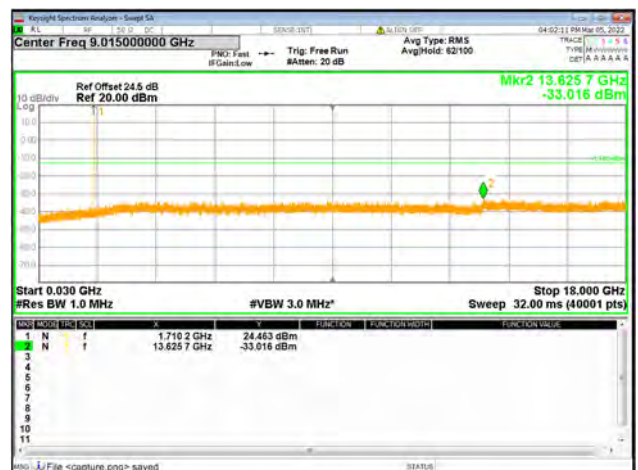
Band66 / 3MHz / Low CH / QPSK



Band66 / 3MHz / Low CH / 16QAM

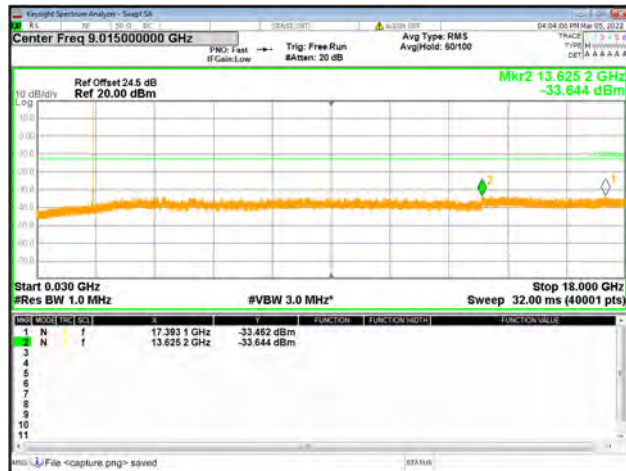


Band66 / 3MHz / Low CH / 64QAM

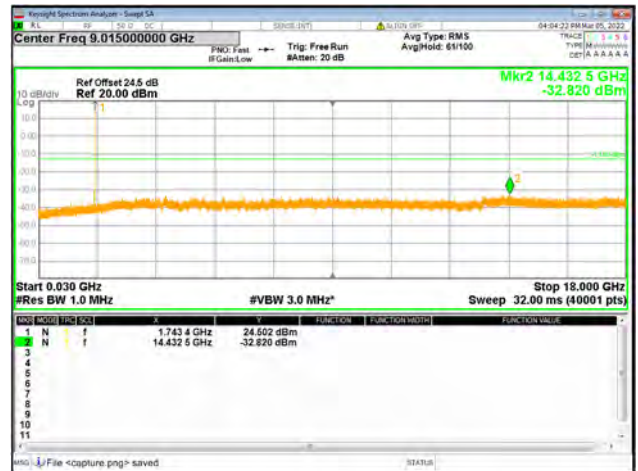




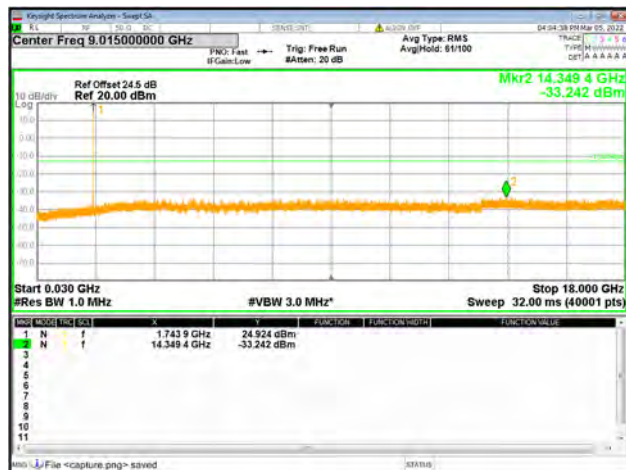
Band66 / 3MHz / Mid CH / QPSK



Band66 / 3MHz / Mid CH / 16QAM



Band66 / 3MHz / Mid CH / 64QAM



Band66 / 3MHz / High CH / QPSK



Band66 / 3MHz / High CH / 16QAM

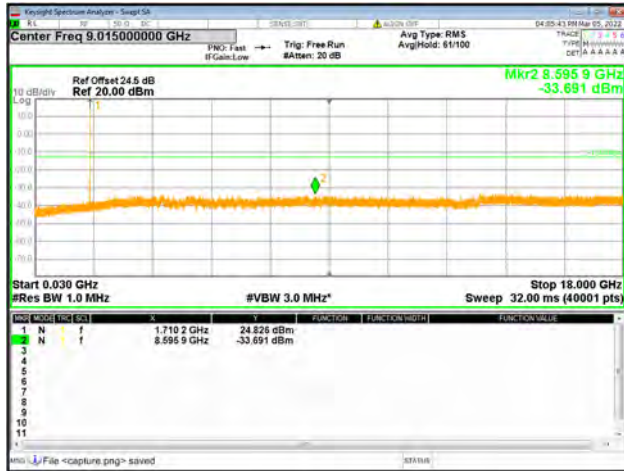


Band66 / 3MHz / High CH / 64QAM

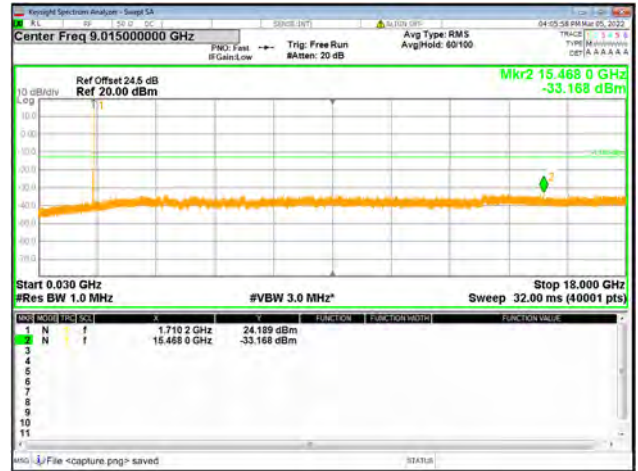




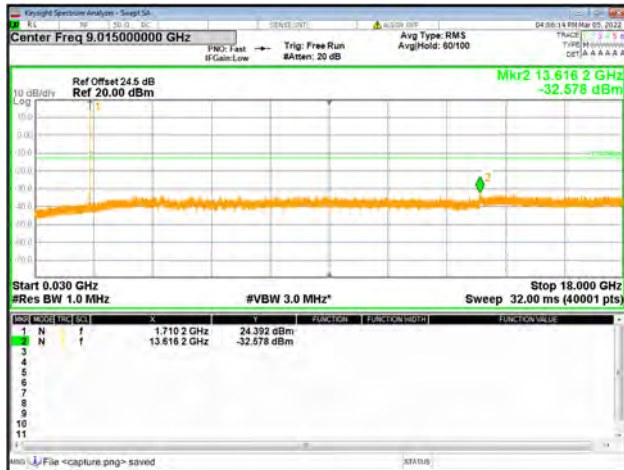
Band66 / 5MHz / Low CH / QPSK



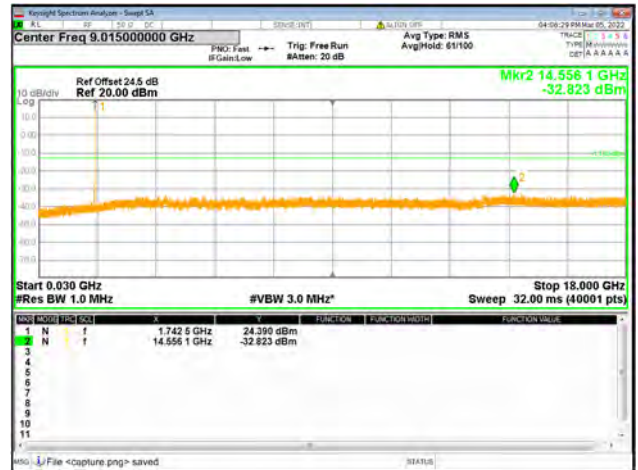
Band66 / 5MHz / Low CH / 16QAM



Band66 / 5MHz / Low CH / 64QAM



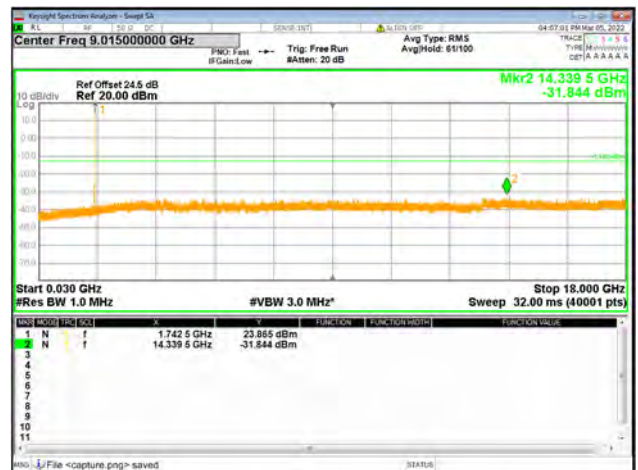
Band66 / 5MHz / Mid CH / QPSK



Band66 / 5MHz / Mid CH / 16QAM

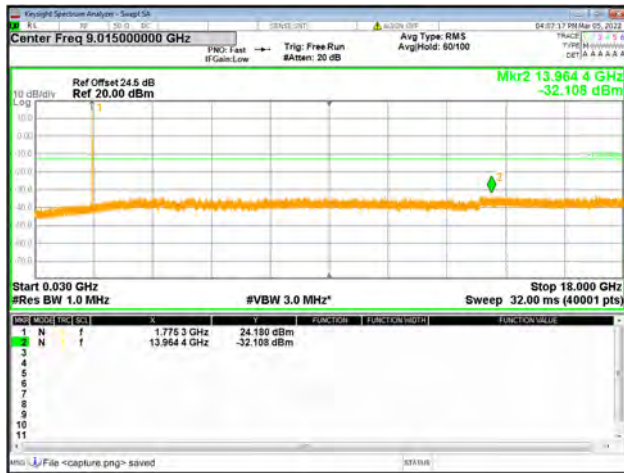


Band66 / 5MHz / Mid CH / 64QAM





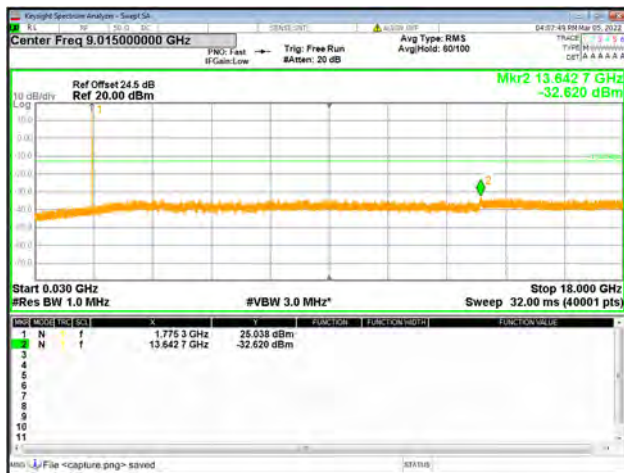
Band66 / 5MHz / High CH / QPSK



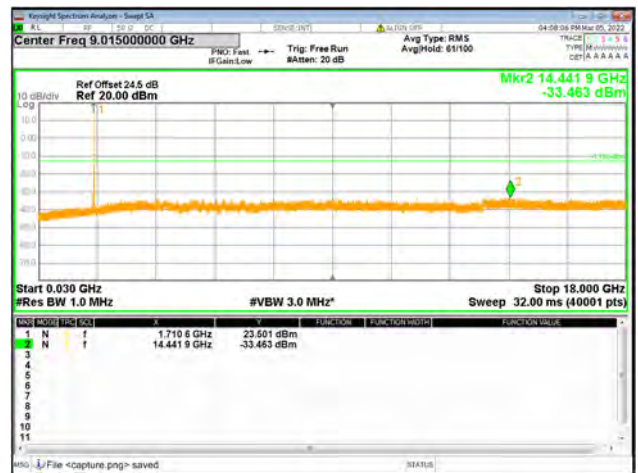
Band66 / 5MHz / High CH / 16QAM



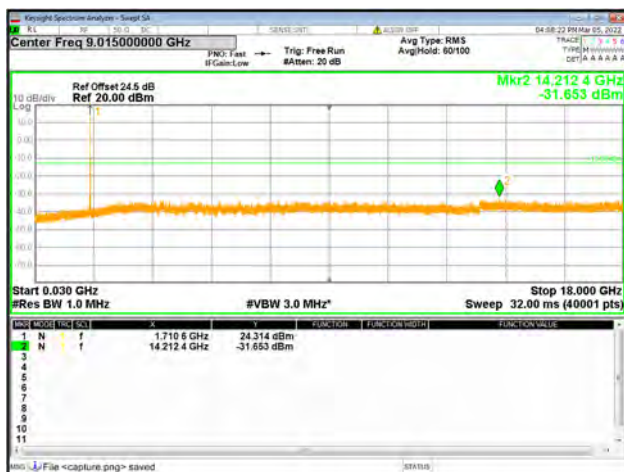
Band66 / 5MHz / High CH / 64QAM



Band66 / 10MHz / Low CH / QPSK



Band66 / 10MHz / Low CH / 16QAM

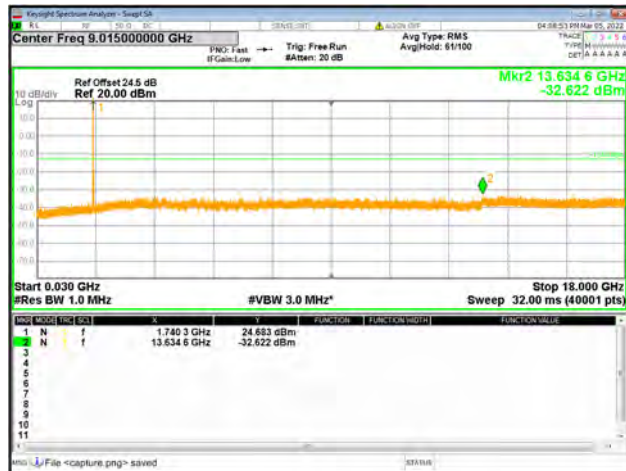


Band66 / 10MHz / Low CH / 64QAM

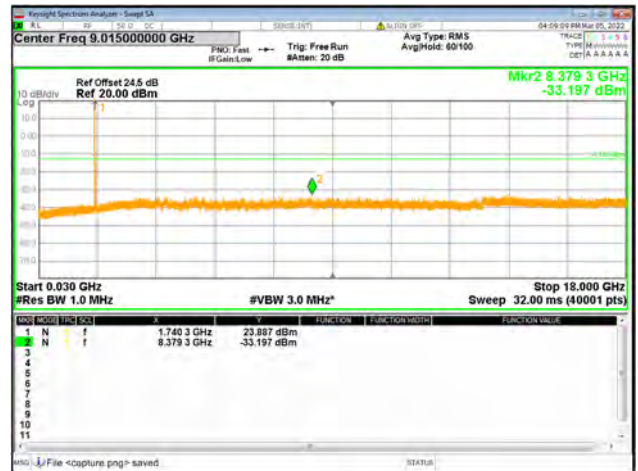




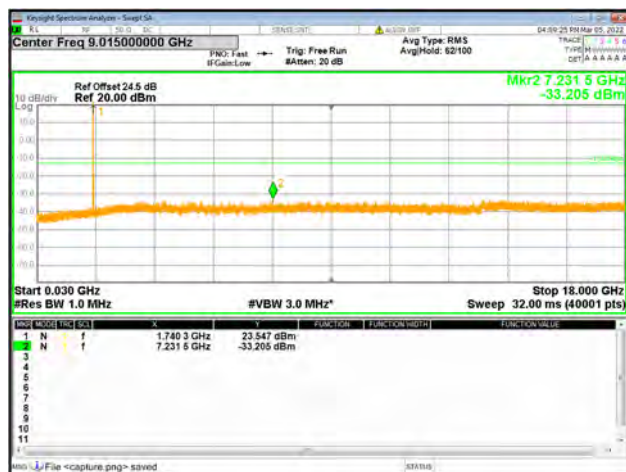
Band66 / 10MHz / Mid CH / QPSK



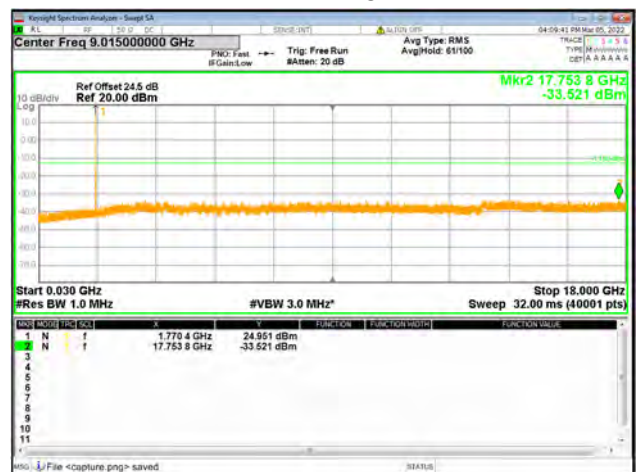
Band66 / 10MHz / Mid CH / 16QAM



Band66 / 10MHz / Mid CH / 64QAM



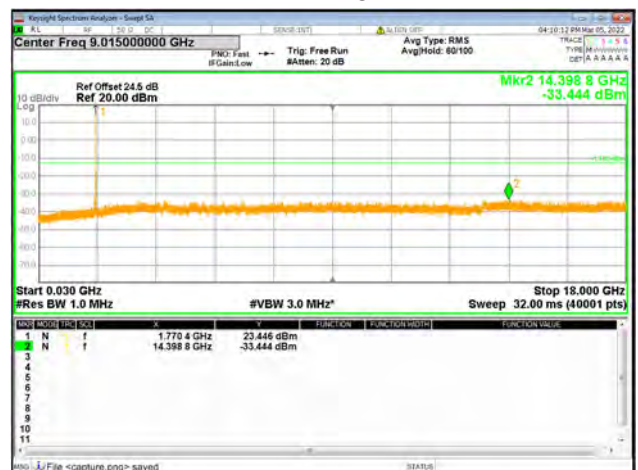
Band66 / 10MHz / High CH / QPSK



Band66 / 10MHz / High CH / 16QAM

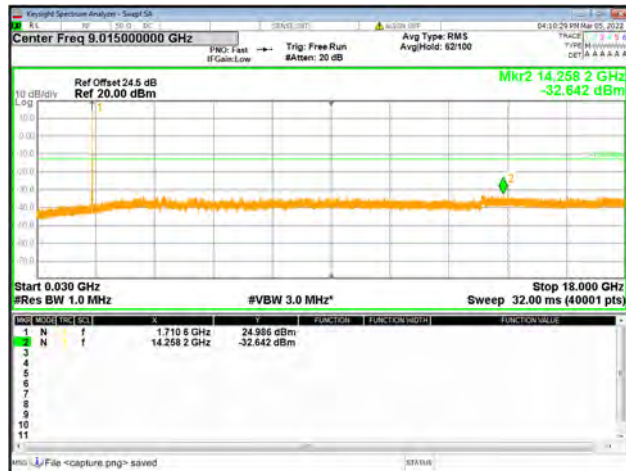


Band66 / 10MHz / High CH / 64QAM

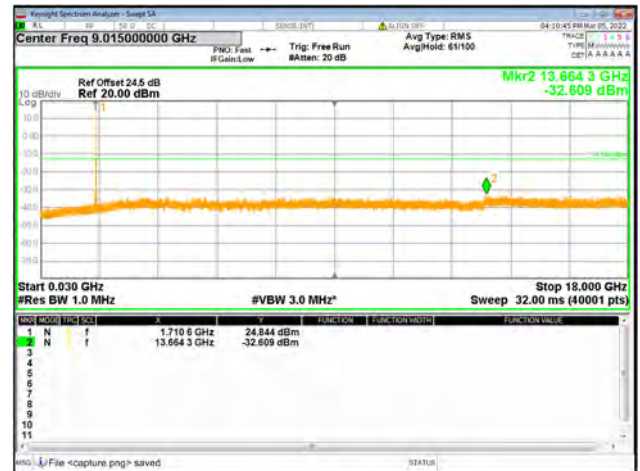




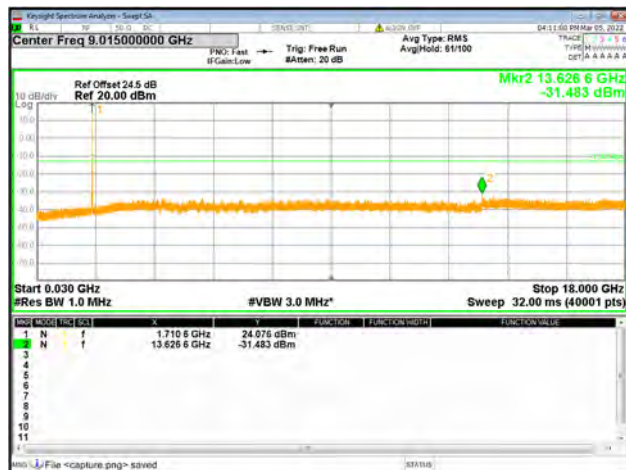
Band66 / 15MHz / Low CH / QPSK



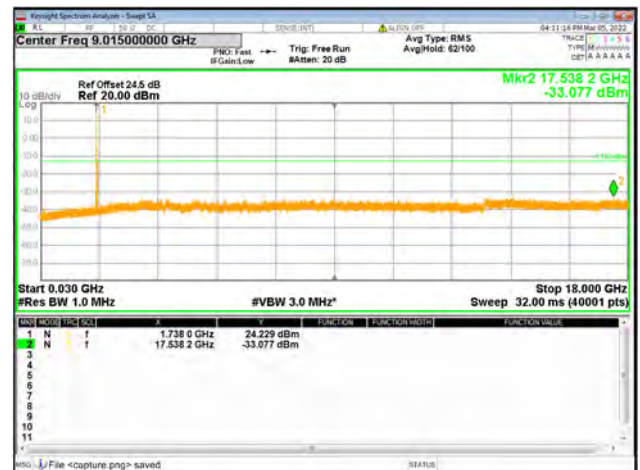
Band66 / 15MHz / Low CH / 16QAM



Band66 / 15MHz / Low CH / 64QAM



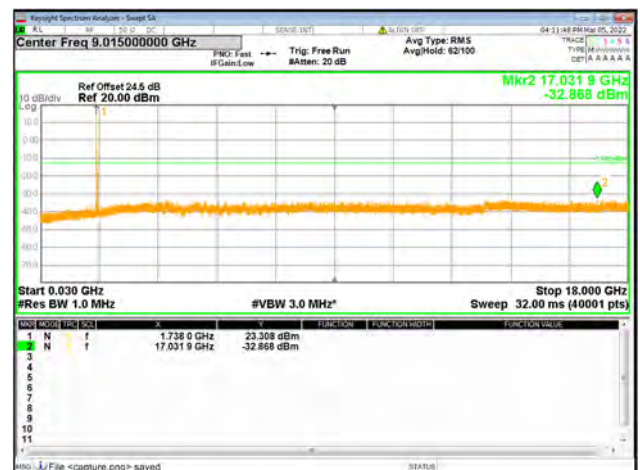
Band66 / 15MHz / Mid CH / QPSK



Band66 / 15MHz / Mid CH / 16QAM

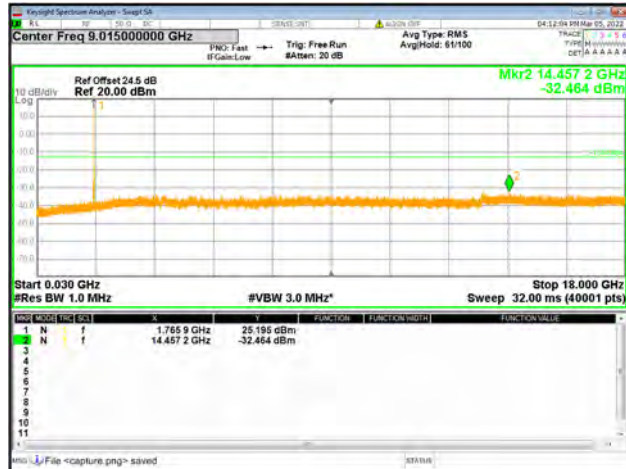


Band66 / 15MHz / Mid CH / 64QAM

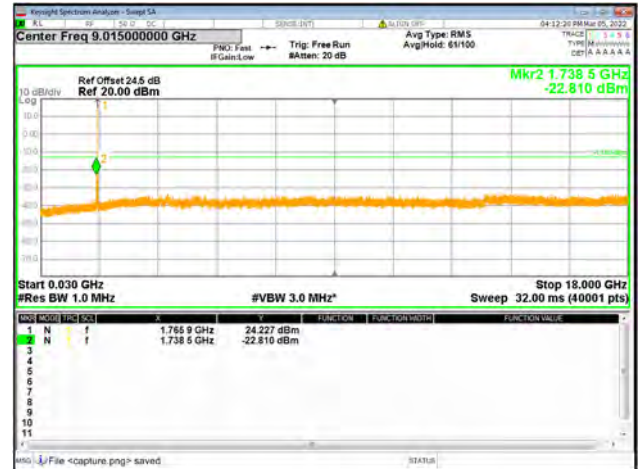




Band66 / 15MHz / High CH / QPSK



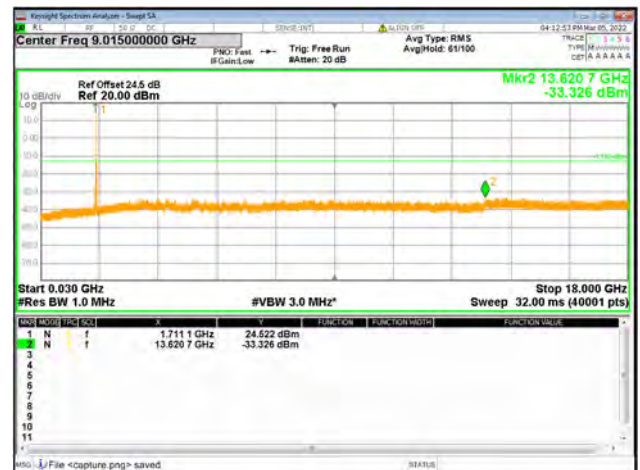
Band66 / 15MHz / High CH / 16QAM



Band66 / 15MHz / High CH / 64QAM



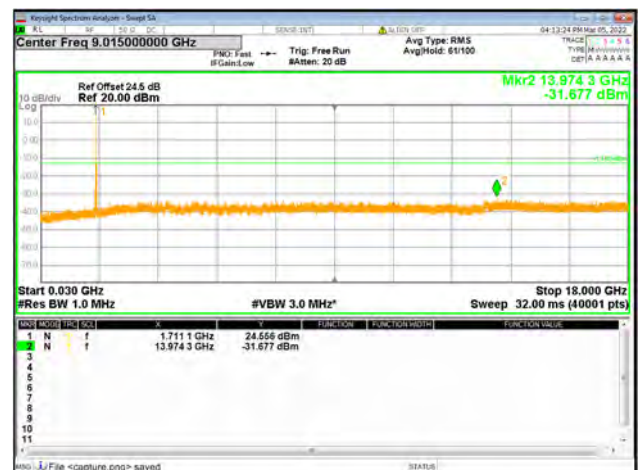
Band66 / 20MHz / Low CH / QPSK



Band66 / 20MHz / Low CH / 16QAM

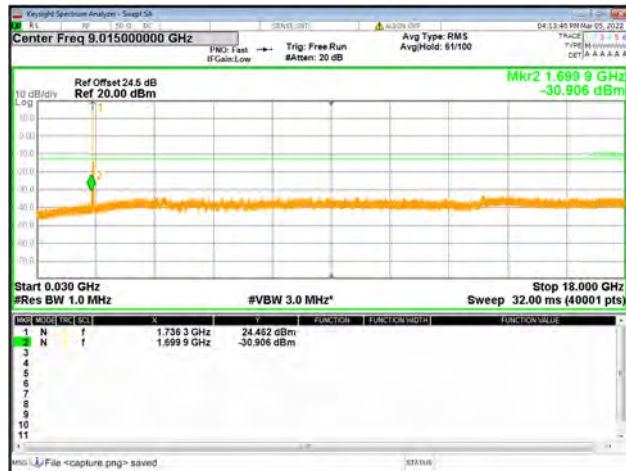


Band66 / 20MHz / Low CH / 64QAM





Band66 / 20MHz / Mid CH / QPSK



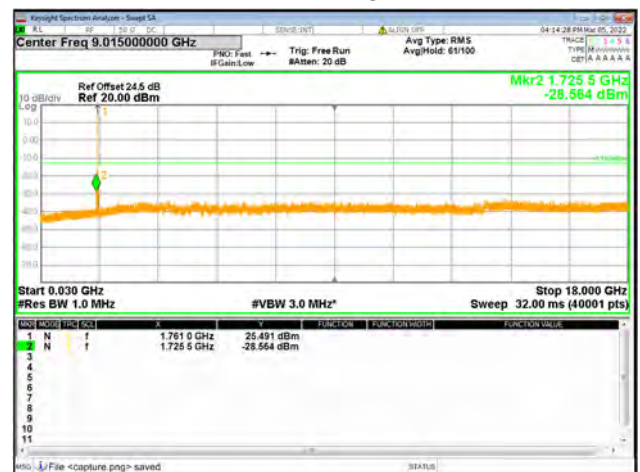
Band66 / 20MHz / Mid CH / 16QAM



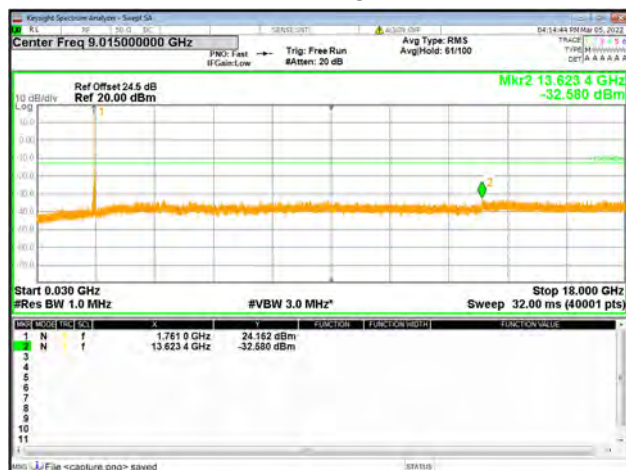
Band66 / 20MHz / Mid CH / 64QAM



Band66 / 20MHz / High CH / QPSK



Band66 / 20MHz / High CH / 16QAM



Band66 / 20MHz / High CH / 64QAM





Band71 / 5MHz / Low CH / QPSK



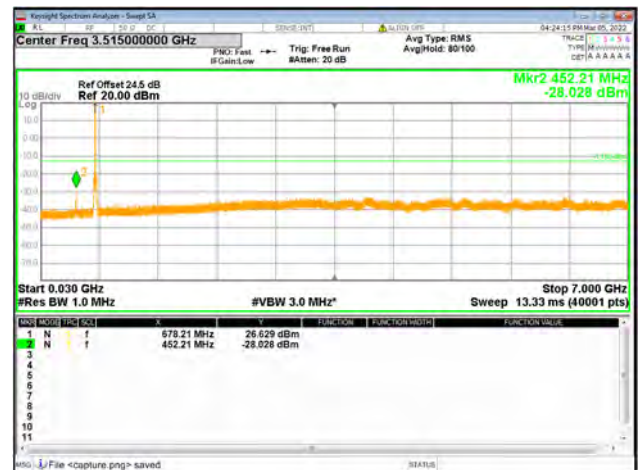
Band71 / 5MHz / Low CH / 16QAM



Band71 / 5MHz / Low CH / 64QAM



Band71 / 5MHz / Mid CH / QPSK



Band71 / 5MHz / Mid CH / 16QAM



Band71 / 5MHz / Mid CH / 64QAM





Band71 / 5MHz / High CH / QPSK



Band71 / 5MHz / High CH / 16QAM



Band71 / 5MHz / High CH / 64QAM



Band71 / 10MHz / Low CH / QPSK



Band71 / 10MHz / Low CH / 16QAM



Band71 / 10MHz / Low CH / 64QAM





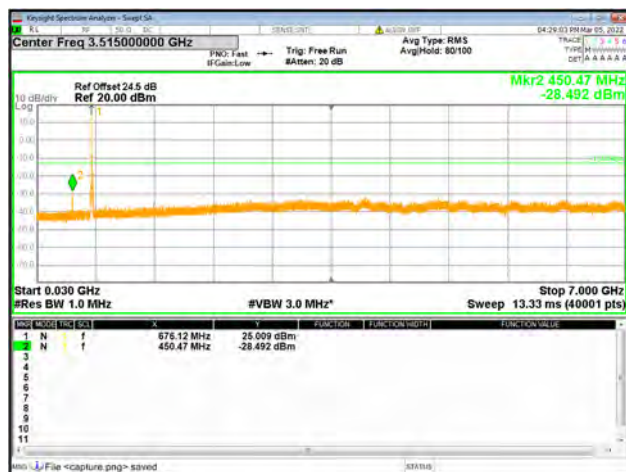
Band71 / 10MHz / Mid CH / QPSK



Band71 / 10MHz / Mid CH / 16QAM



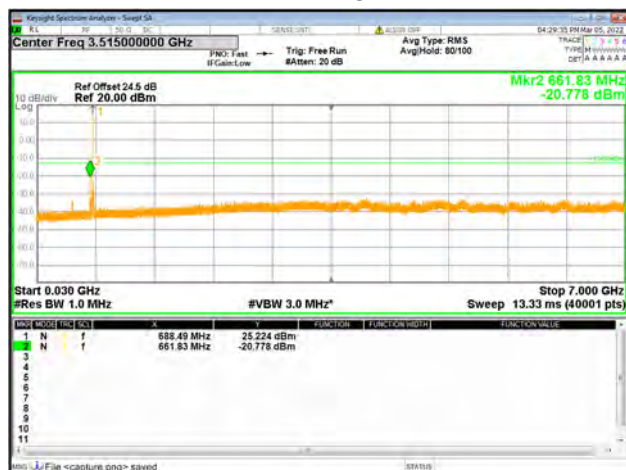
Band71 / 10MHz / Mid CH / 64QAM



Band71 / 10MHz / High CH / QPSK



Band71 / 10MHz / High CH / 16QAM



Band71 / 10MHz / High CH / 64QAM





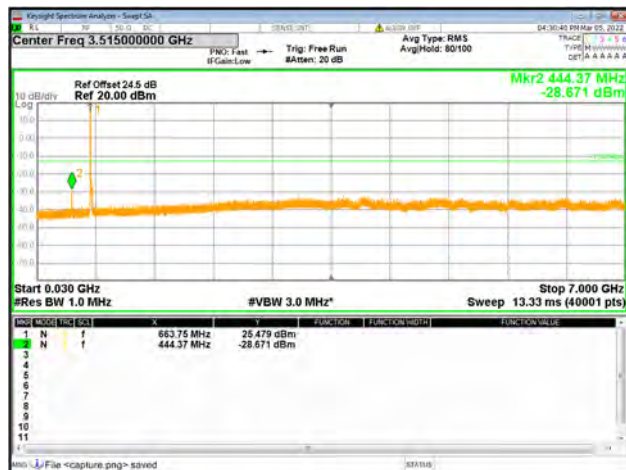
Band71 / 15MHz / Low CH / QPSK



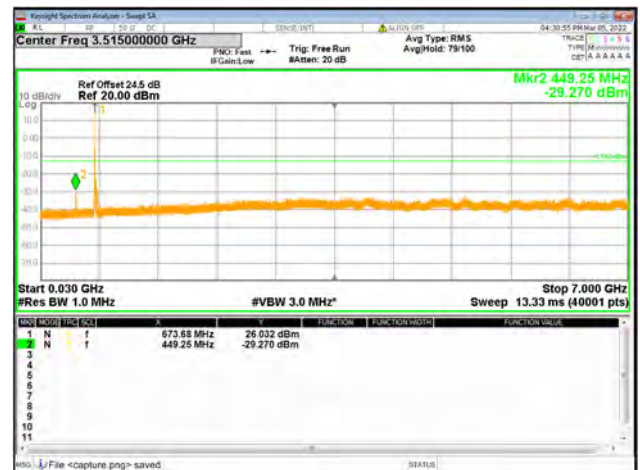
Band71 / 15MHz / Low CH / 16QAM



Band71 / 15MHz / Low CH / 64QAM



Band71 / 15MHz / Mid CH / QPSK



Band71 / 15MHz / Mid CH / 16QAM

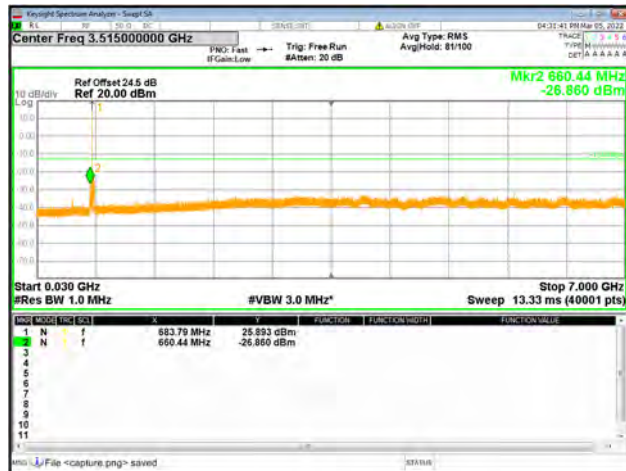


Band71 / 15MHz / Mid CH / 64QAM





Band71 / 15MHz / High CH / QPSK



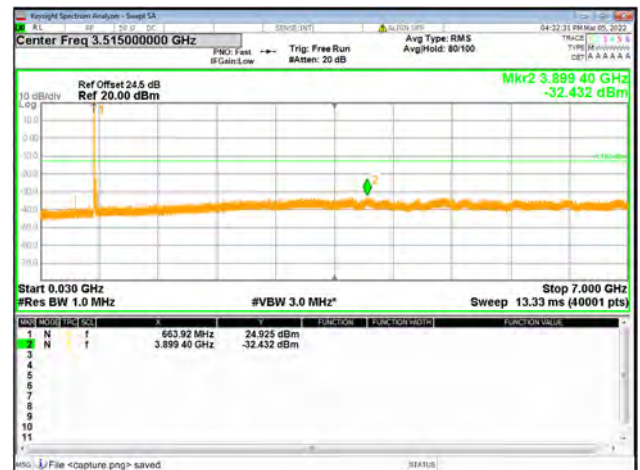
Band71 / 15MHz / High CH / 16QAM



Band71 / 15MHz / High CH / 64QAM



Band71 / 20MHz / Low CH / QPSK



Band71 / 20MHz / Low CH / 16QAM



Band71 / 20MHz / Low CH / 64QAM





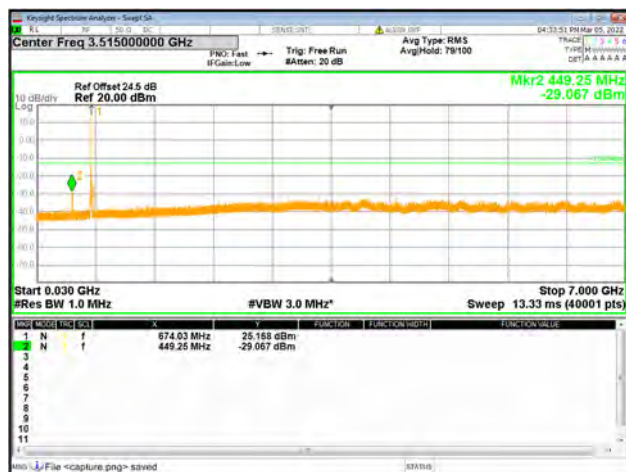
Band71 / 20MHz / Mid CH / QPSK



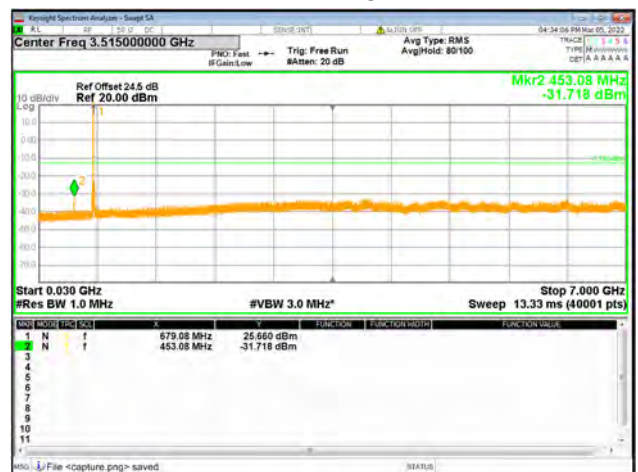
Band71 / 20MHz / Mid CH / 16QAM



Band71 / 20MHz / Mid CH / 64QAM



Band71 / 20MHz / High CH / QPSK



Band71 / 20MHz / High CH / 16QAM



Band71 / 20MHz / High CH / 64QAM





## 2.6. Band Edge

### 2.6.1. Requirement

#### Band 2, 25

According to FCC section 24.238(a), for operations in the 1850–1910MHz bands, 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 in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

#### Band 4, 66

According to FCC section 27.53(h), for operations in the 1710–1755MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least  $43 + 10 \log_{10}(P)$  dB a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

#### Band 5, 26

According to FCC section 22.917(a), for operations in the 824–849MHz bands, 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 in a 100kHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

#### Band 12, 71

According to FCC section 27.53(g), 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. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.



According to FCC section 27.53(l)(2), for mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz, based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

```
graph LR; SS[System Simulator] -- Attenuator 1 --> PS[Power Splitter]; SA[Spectrum Analyzer] -- Attenuator 2 --> PS; PS --> EUT[EUT]; PSensor[Power Sensor] -.- SA;
```

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.

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

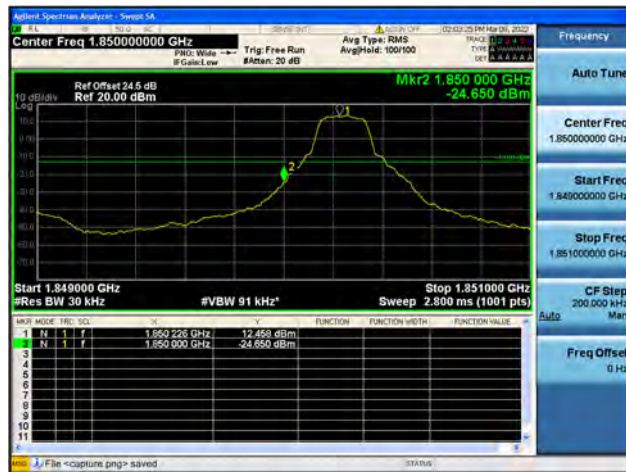


## 2.6.4. Test Result





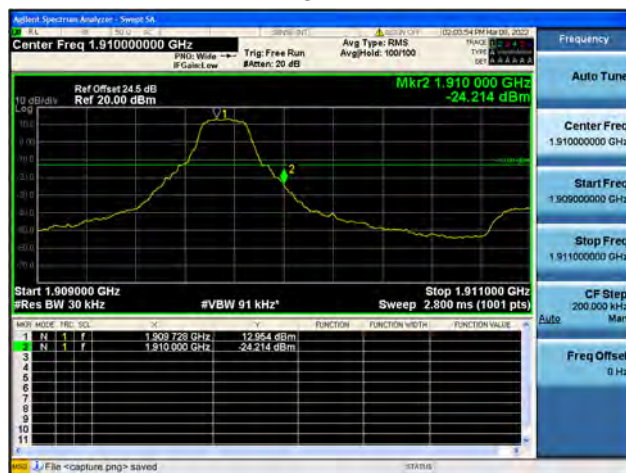
Band2 / 3MHz / Low CH / QPSK / 1 RB



Band2 / 3MHz / Low CH / QPSK / FULL RB



Band2 / 3MHz / High CH / QPSK / 1 RB



Band2 / 3MHz / High CH / QPSK / FULL RB





Band2 / 5MHz / Low CH / QPSK / 1 RB



Band2 / 5MHz / Low CH / QPSK / FULL RB



Band2 / 5MHz / High CH / QPSK / 1 RB



Band2 / 5MHz / High CH / QPSK / FULL RB





Band2 / 10MHz / Low CH / QPSK / 1 RB



Band2 / 10MHz / Low CH / QPSK / FULL RB



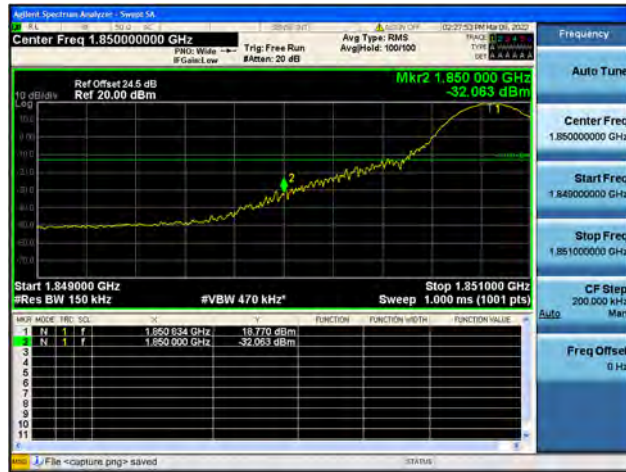
Band2 / 10MHz / High CH / QPSK / 1 RB



Band2 / 10MHz / High CH / QPSK / FULL RB



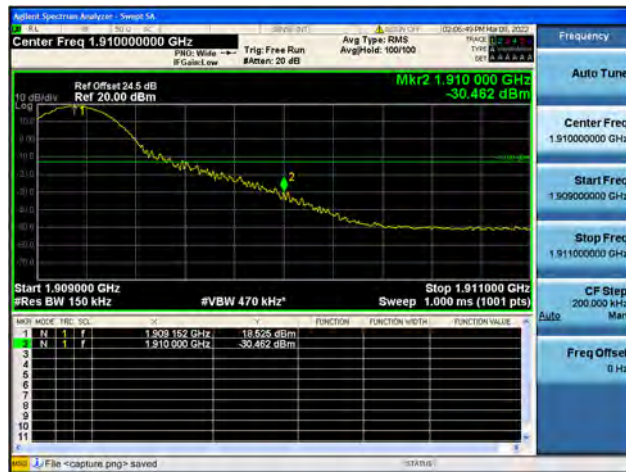
Band2 / 15MHz / Low CH / QPSK / 1 RB



Band2 / 15MHz / Low CH / QPSK / FULL RB



Band2 / 15MHz / High CH / QPSK / 1 RB

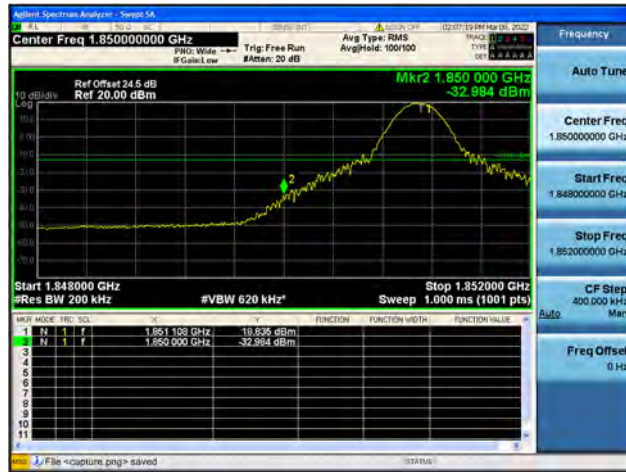


Band2 / 15MHz / High CH / QPSK / FULL RB





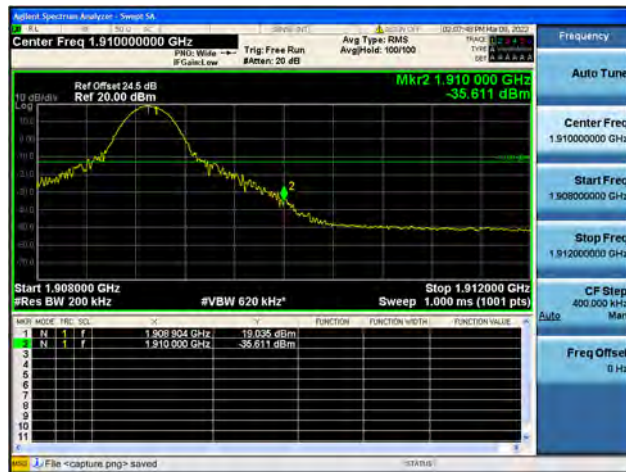
Band2 / 20MHz / Low CH / QPSK / 1 RB



Band2 / 20MHz / Low CH / QPSK / FULL RB



Band2 / 20MHz / High CH / QPSK / 1 RB



Band2 / 20MHz / High CH / QPSK / FULL RB





Band4 / 1.4MHz / Low CH / QPSK / 1 RB



Band4 / 1.4MHz / Low CH / QPSK / FULL RB



Band4 / 1.4MHz / High CH / QPSK / 1 RB

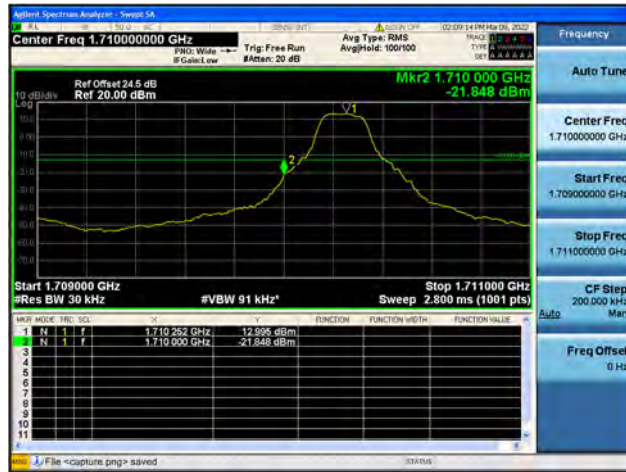


Band4 / 1.4MHz / High CH / QPSK / FULL RB





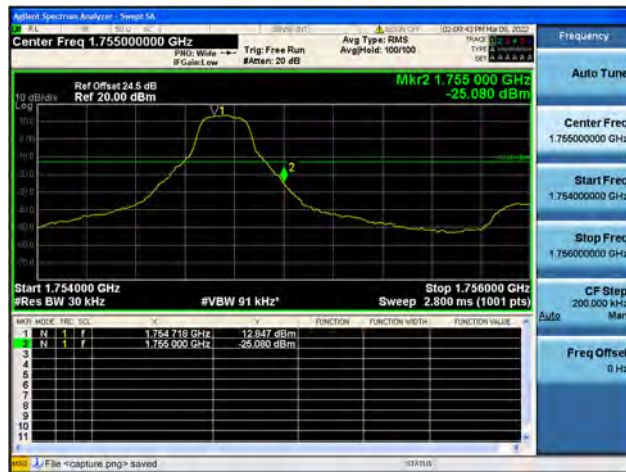
Band4 / 3MHz / Low CH / QPSK / 1 RB



Band4 / 3MHz / Low CH / QPSK / FULL RB



Band4 / 3MHz / High CH / QPSK / 1 RB



Band4 / 3MHz / High CH / QPSK / FULL RB

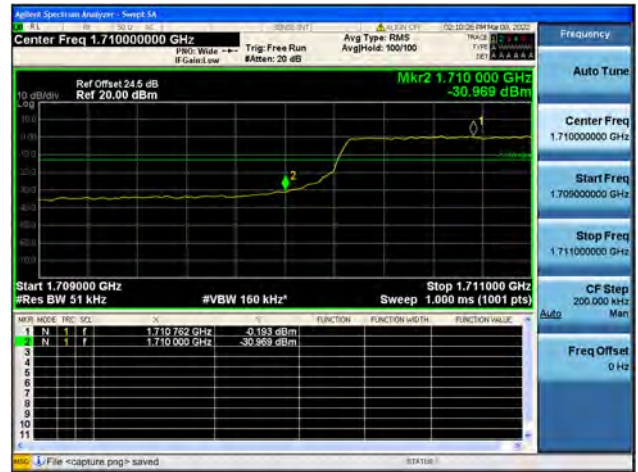




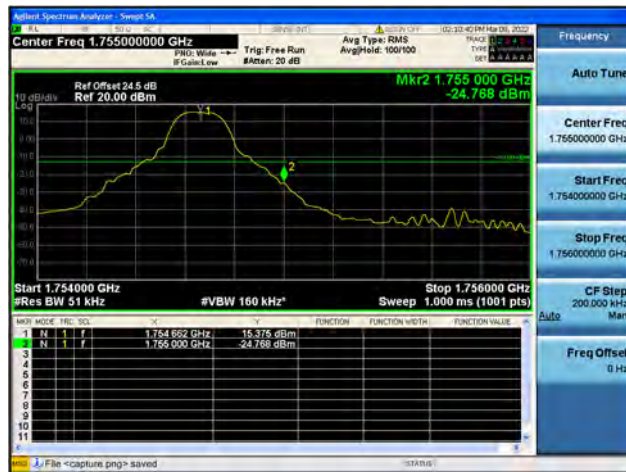
Band4 / 5MHz / Low CH / QPSK / 1 RB



Band4 / 5MHz / Low CH / QPSK / FULL RB



Band4 / 5MHz / High CH / QPSK / 1 RB



Band4 / 5MHz / High CH / QPSK / FULL RB





Band4 / 10MHz / Low CH / QPSK / 1 RB



Band4 / 10MHz / Low CH / QPSK / FULL RB



Band4 / 10MHz / High CH / QPSK / 1 RB

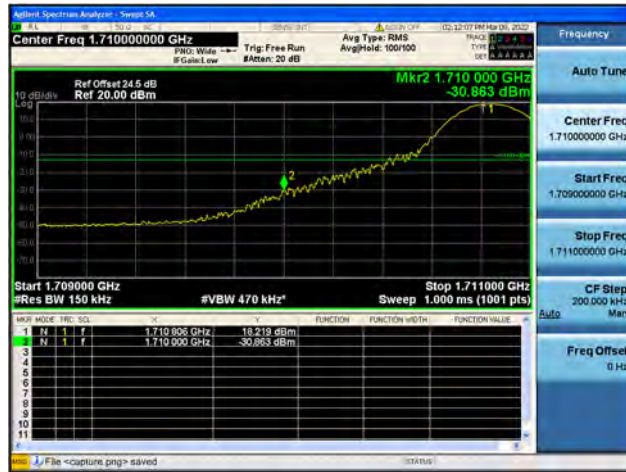


Band4 / 10MHz / High CH / QPSK / FULL RB





Band4 / 15MHz / Low CH / QPSK / 1 RB



Band4 / 15MHz / Low CH / QPSK / FULL RB



Band4 / 15MHz / High CH / QPSK / 1 RB



Band4 / 15MHz / High CH / QPSK / FULL RB





Band4 / 20MHz / Low CH / QPSK / 1 RB



Band4 / 20MHz / Low CH / QPSK / FULL RB



Band4 / 20MHz / High CH / QPSK / 1 RB

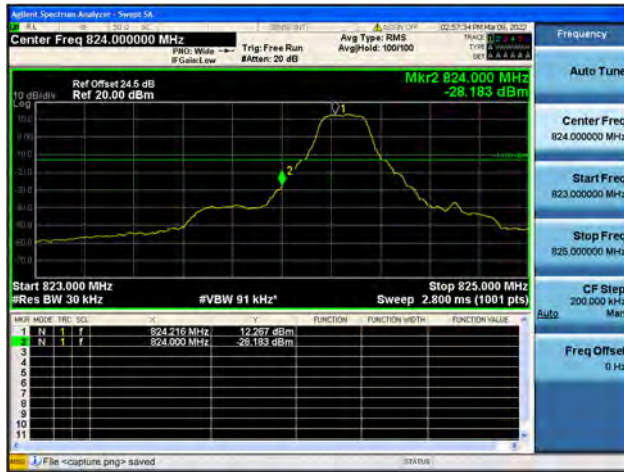


Band4 / 20MHz / High CH / QPSK / FULL RB





Band5 / 1.4MHz / Low CH / QPSK / 1 RB



Band5 / 1.4MHz / Low CH / QPSK / FULL RB



Band5 / 1.4MHz / High CH / QPSK / 1 RB

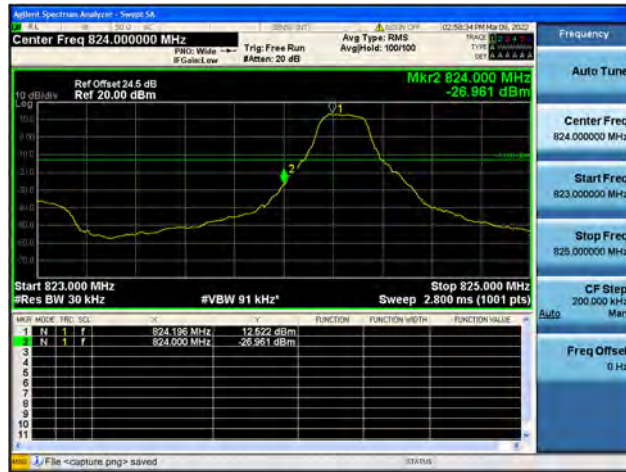


Band5 / 1.4MHz / High CH / QPSK / FULL RB





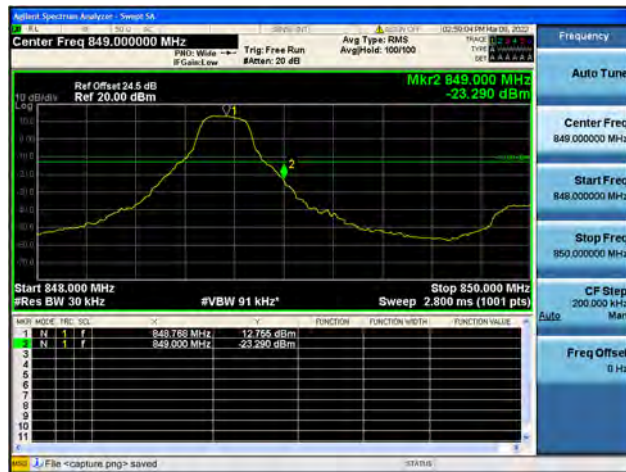
Band5 / 3MHz / Low CH / QPSK / 1 RB



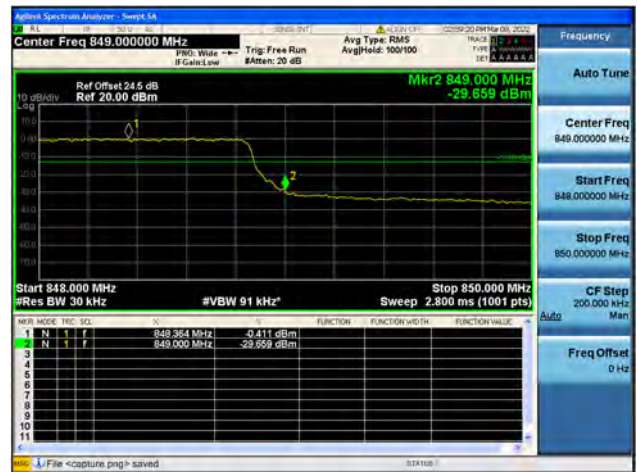
Band5 / 3MHz / Low CH / QPSK / FULL RB



Band5 / 3MHz / High CH / QPSK / 1 RB



Band5 / 3MHz / High CH / QPSK / FULL RB

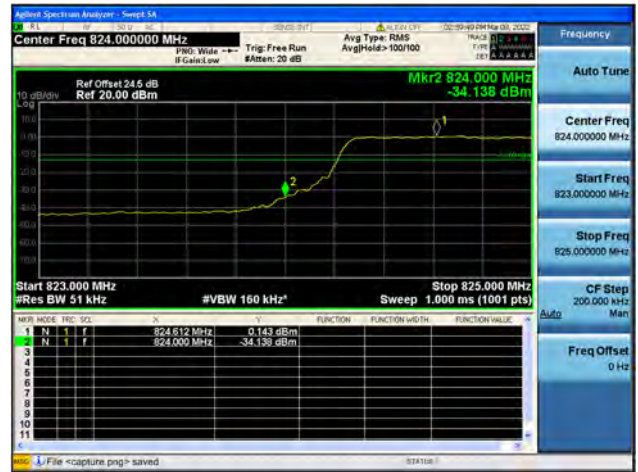




Band5 / 5MHz / Low CH / QPSK / 1 RB



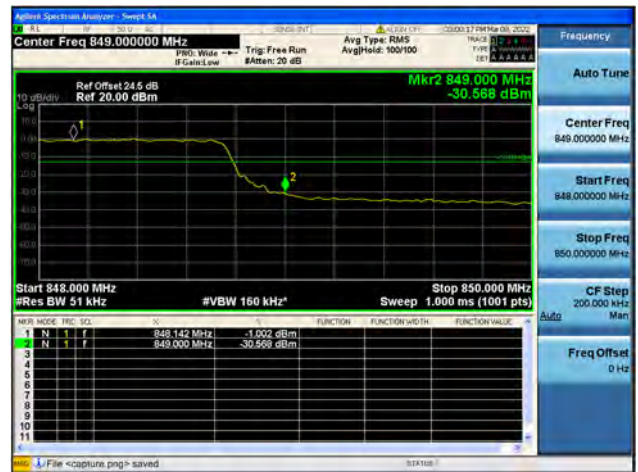
Band5 / 5MHz / Low CH / QPSK / FULL RB



Band5 / 5MHz / High CH / QPSK / 1 RB



Band5 / 5MHz / High CH / QPSK / FULL RB





Band5 / 10MHz / Low CH / QPSK / 1 RB



Band5 / 10MHz / Low CH / QPSK / FULL RB



Band5 / 10MHz / High CH / QPSK / 1 RB



Band5 / 10MHz / High CH / QPSK / FULL RB





Band12 / 1.4MHz / Low CH / QPSK / 1 RB



Band12 / 1.4MHz / Low CH / QPSK / FULL RB



Band12 / 1.4MHz / High CH / QPSK / 1 RB

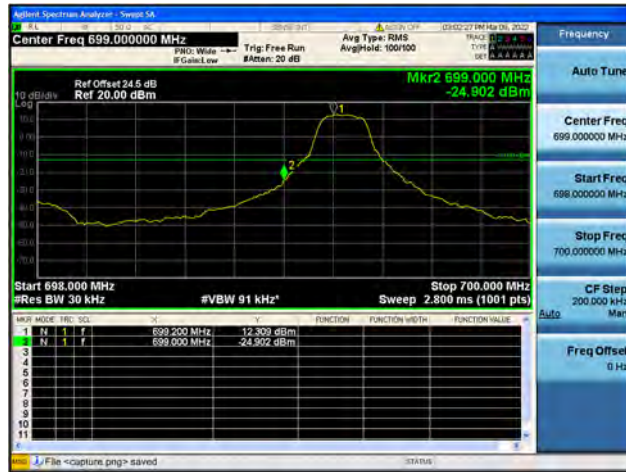


Band12 / 1.4MHz / High CH / QPSK / FULL RB





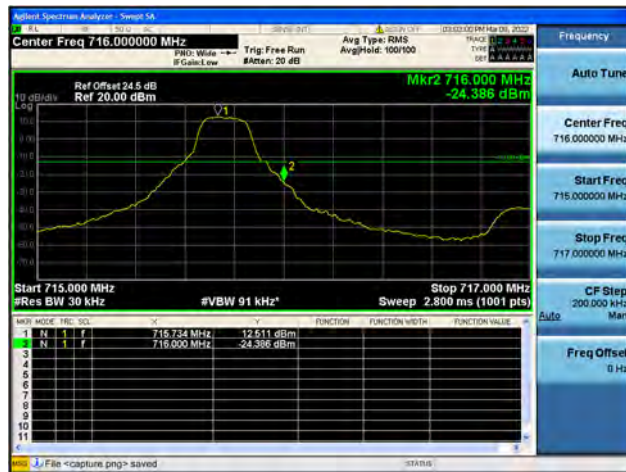
Band12 / 3MHz / Low CH / QPSK / 1 RB



Band12 / 3MHz / Low CH / QPSK / FULL RB



Band12 / 3MHz / High CH / QPSK / 1 RB



Band12 / 3MHz / High CH / QPSK / FULL RB

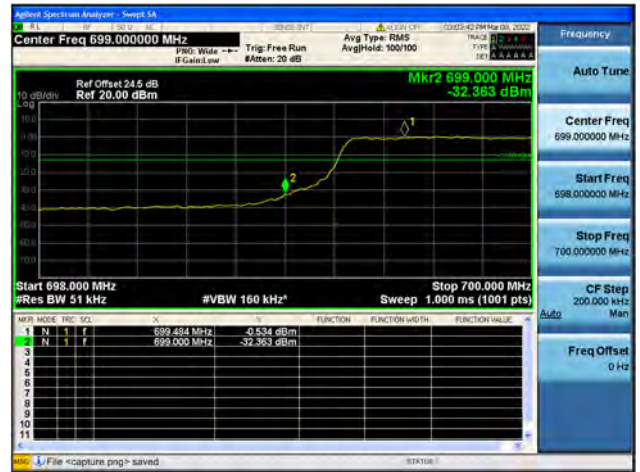




Band12 / 5MHz / Low CH / QPSK / 1 RB



Band12 / 5MHz / Low CH / QPSK / FULL RB



Band12 / 5MHz / High CH / QPSK / 1 RB



Band12 / 5MHz / High CH / QPSK / FULL RB





Band12 / 10MHz / Low CH / QPSK / 1 RB



Band12 / 10MHz / Low CH / QPSK / FULL RB



Band12 / 10MHz / High CH / QPSK / 1 RB



Band12 / 10MHz / High CH / QPSK / FULL RB





Band25 / 1.4MHz / Low CH / QPSK / 1 RB



Band25 / 1.4MHz / Low CH / QPSK / FULL RB



Band25 / 1.4MHz / High CH / QPSK / 1 RB



Band25 / 1.4MHz / High CH / QPSK / FULL RB

