



***n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=50MHz Channel=633334 RB=128@0***



***n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=60MHz Channel=633334 RB=162@0***



***n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=70MHz Channel=633334 RB=180@0***



***n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=80MHz Channel=633334 RB=216@0***



***n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=90MHz Channel=633334 RB=240@0***



***n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=100MHz Channel=633334 RB=270@0***



***n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=10MHz Channel=633334 RB=24@0***



***n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=15MHz Channel=633334 RB=36@0***



***n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=20MHz Channel=633334 RB=50@0***



***n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=30MHz Channel=633334 RB=75@0***



***n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=40MHz Channel=633334 RB=100@0***



***n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=50MHz Channel=633334 RB=128@0***



***n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=60MHz Channel=633334 RB=162@0***



***n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=70MHz Channel=633334 RB=180@0***



***n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=80MHz Channel=633334 RB=216@0***



***n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=90MHz Channel=633334 RB=240@0***





***n78(3450-3550) SCS=30kHz DFT\_QPSK BW=100MHz Channel=633334 RB=270@0***



***n78(3450-3550) SCS=30kHz DFT\_QPSK BW=10MHz Channel=633334 RB=24@0***



*n78(3450-3550) SCS=30kHz DFT\_QPSK BW=15MHz Channel=633334 RB=36@0*



*n78(3450-3550) SCS=30kHz DFT\_QPSK BW=20MHz Channel=633334 RB=50@0*



***n78(3450-3550) SCS=30kHz DFT\_QPSK BW=30MHz Channel=633334 RB=75@0***



***n78(3450-3550) SCS=30kHz DFT\_QPSK BW=40MHz Channel=633334 RB=100@0***



***n78(3450-3550) SCS=30kHz DFT\_QPSK BW=50MHz Channel=633334 RB=128@0***



***n78(3450-3550) SCS=30kHz DFT\_QPSK BW=60MHz Channel=633334 RB=162@0***



***n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=633334 RB=180@0***



***n78(3450-3550) SCS=30kHz DFT\_QPSK BW=80MHz Channel=633334 RB=216@0***



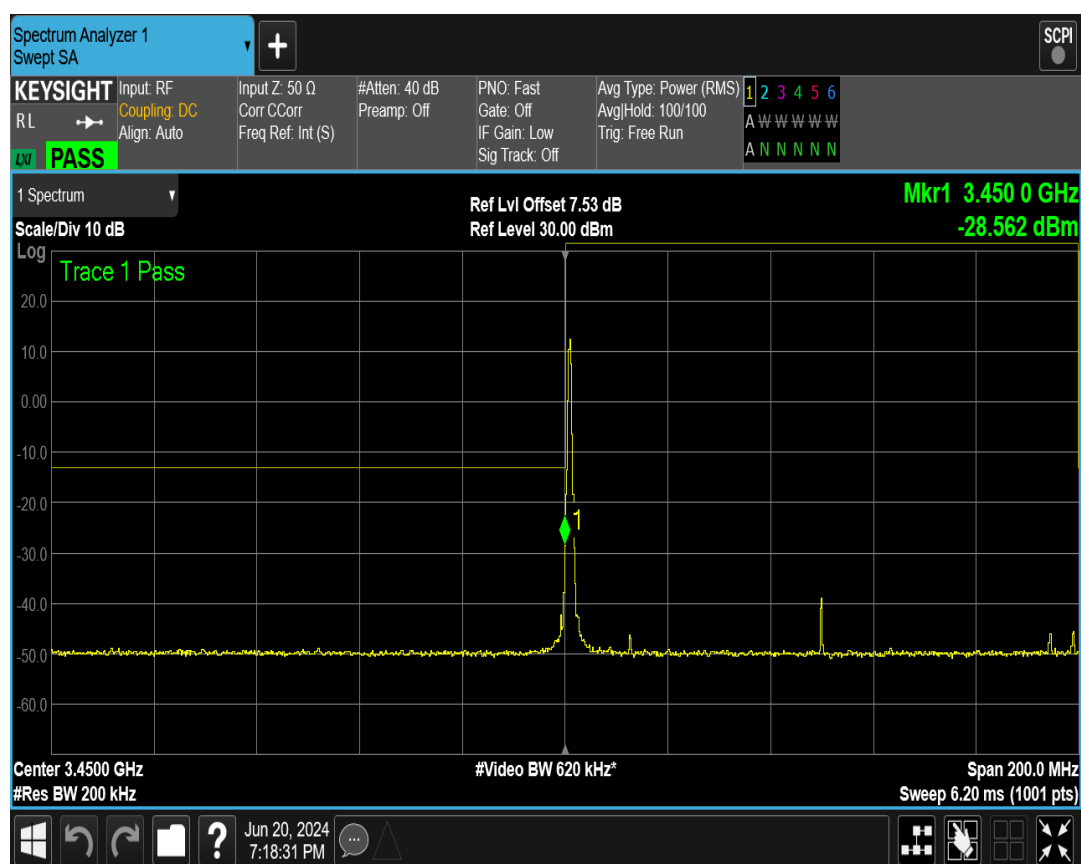
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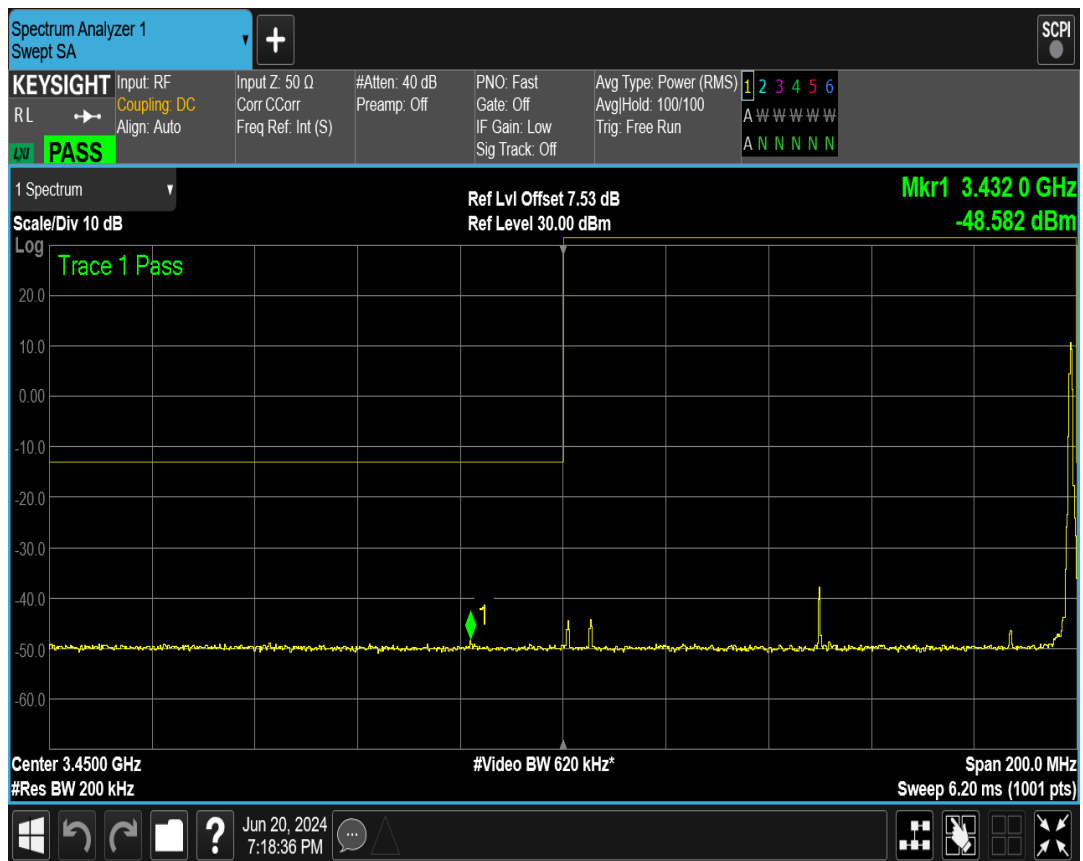
## 5 Band edge for NR FR1

| Band           | SCS<br>(kHz) | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Allocation | Modulation | Spur Freq<br>(MHz) | Spur<br>Level<br>(dBm) | Limit<br>(dBm) | Verdict |
|----------------|--------------|--------------------|---------------|------------------|------------|--------------------|------------------------|----------------|---------|
| n78(3450-3550) | 30           | 10                 | 630334        | 24@0             | CP_QPSK    | 3449.76            | -37.31                 | -13            | PASS    |
| n78(3450-3550) | 30           | 10                 | 630334        | 1@0              | CP_QPSK    | 3448.98            | -33.63                 | -13            | PASS    |
| n78(3450-3550) | 30           | 10                 | 630334        | 1@23             | CP_QPSK    | 3444.40            | -47.09                 | -13            | PASS    |
| n78(3450-3550) | 30           | 10                 | 636332        | 24@0             | CP_QPSK    | 3550.32            | -40.14                 | -13            | PASS    |
| n78(3450-3550) | 30           | 10                 | 636332        | 1@0              | CP_QPSK    | 3550.74            | -47.97                 | -13            | PASS    |
| n78(3450-3550) | 30           | 10                 | 636332        | 1@23             | CP_QPSK    | 3550.02            | -33.05                 | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 631668        | 133@0            | CP_QPSK    | 3450.00            | -38.54                 | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 631668        | 1@0              | CP_QPSK    | 3449.80            | -42.13                 | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 631668        | 1@132            | CP_QPSK    | 3437.50            | -48.60                 | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 635000        | 133@0            | CP_QPSK    | 3559.60            | -44.14                 | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 635000        | 1@0              | CP_QPSK    | 3559.60            | -48.55                 | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 635000        | 1@132            | CP_QPSK    | 3550.60            | -44.03                 | -13            | PASS    |
| n78(3450-3550) | 30           | 100                | 633334        | 273@0            | CP_QPSK    | 3450.00            | -21.74                 | -13            | PASS    |
| n78(3450-3550) | 30           | 100                | 633334        | 1@0              | CP_QPSK    | 3450.00            | -28.56                 | -13            | PASS    |
| n78(3450-3550) | 30           | 100                | 633334        | 1@272            | CP_QPSK    | 3432.00            | -48.58                 | -13            | PASS    |

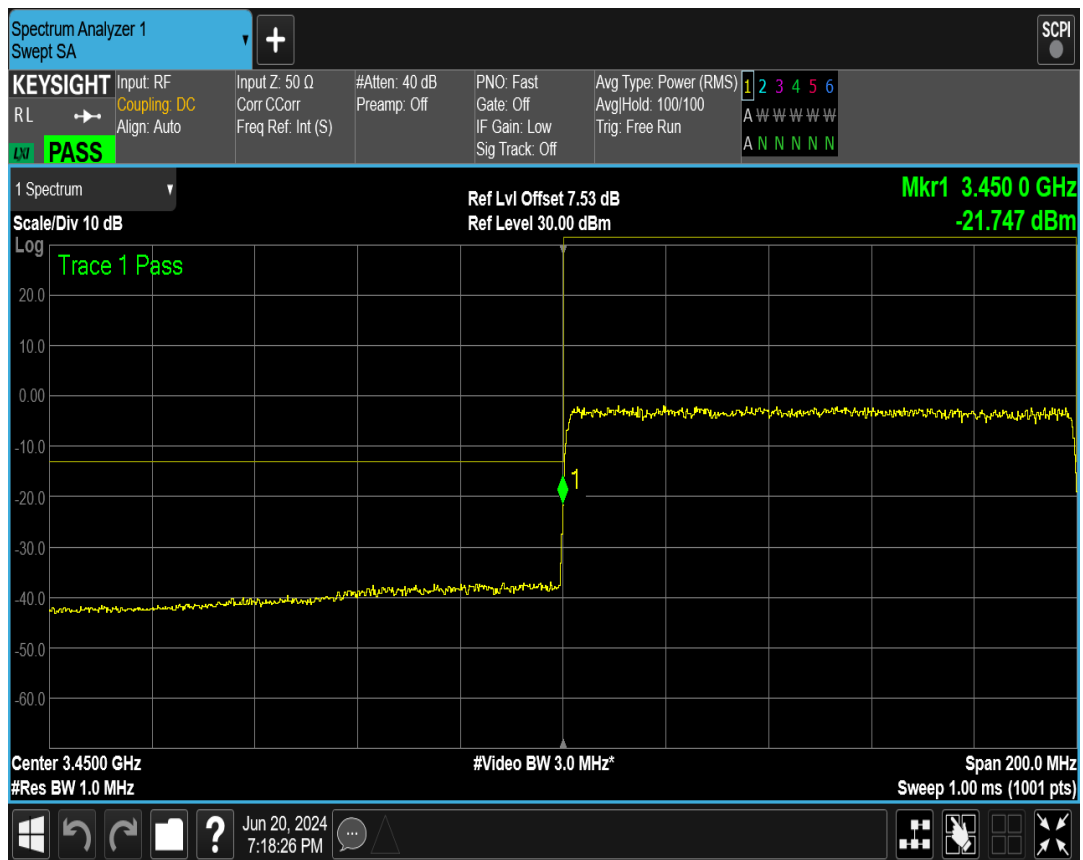
n78(3450-3550) SCS=30kHz CP\_QPSK BW=100MHz Channel=633334 RB=1@0



n78(3450-3550) SCS=30kHz CP\_QPSK BW=100MHz Channel=633334 RB=1@272

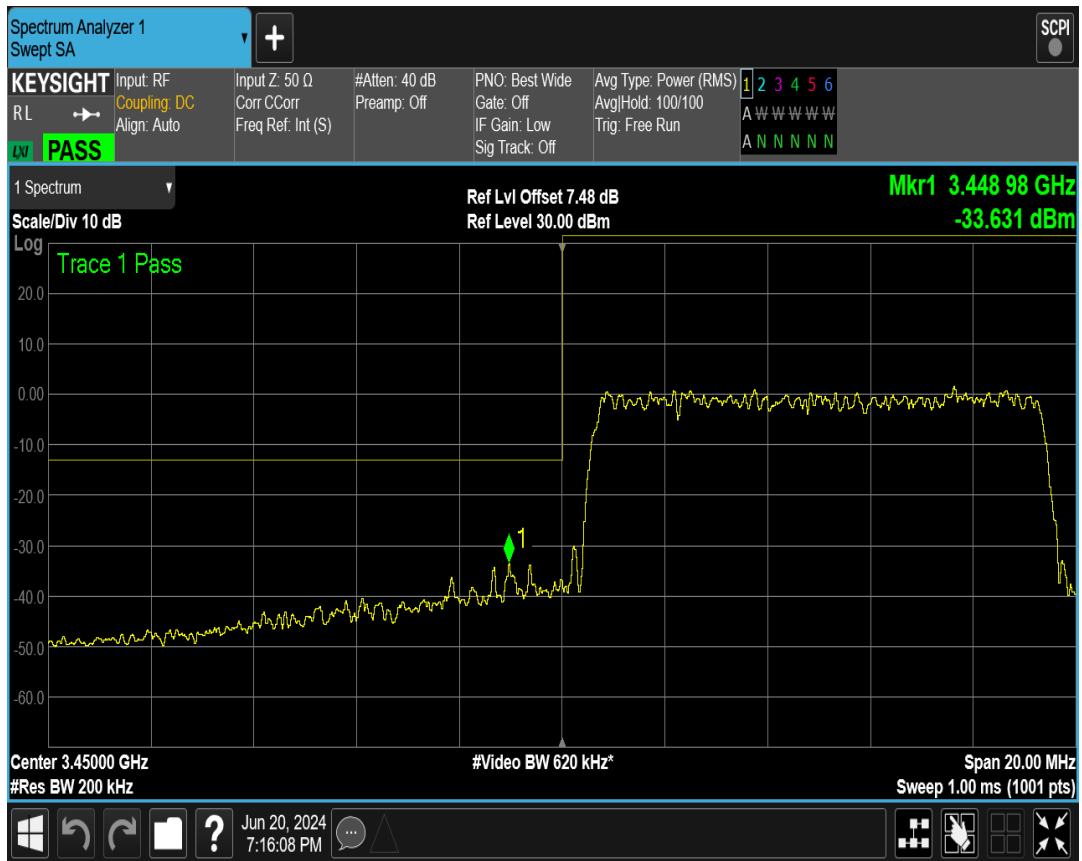


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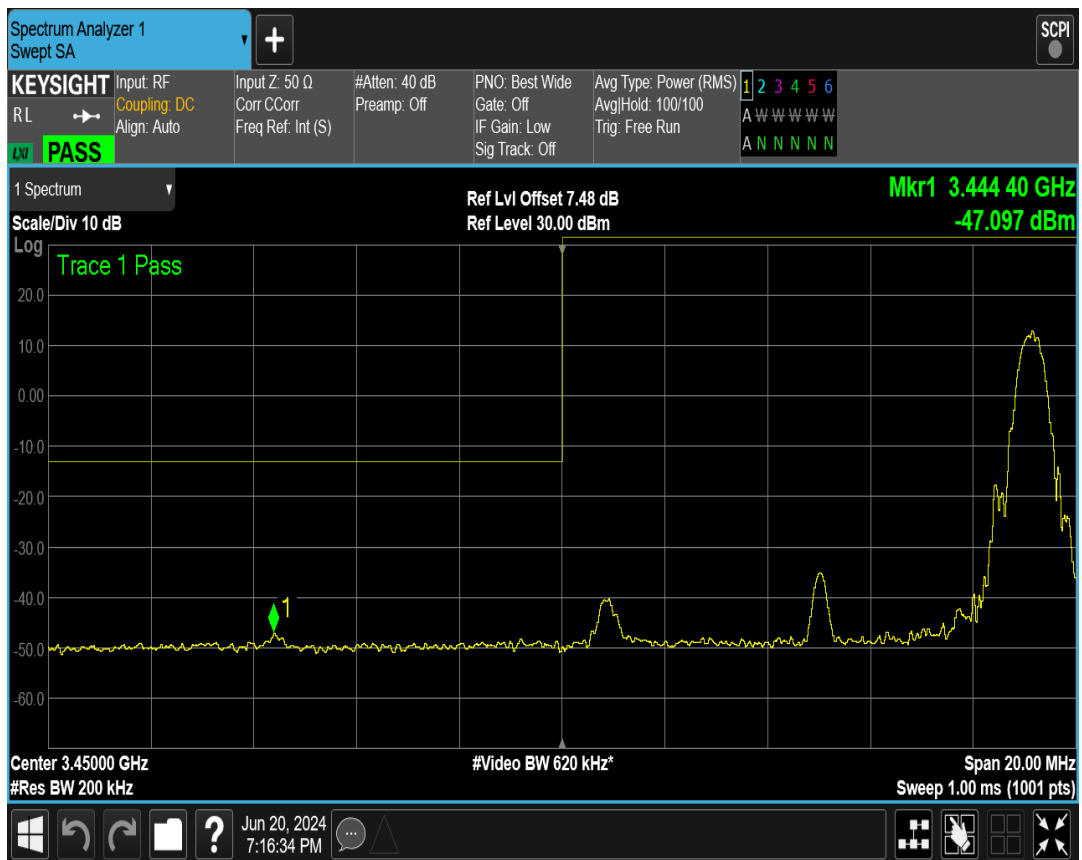


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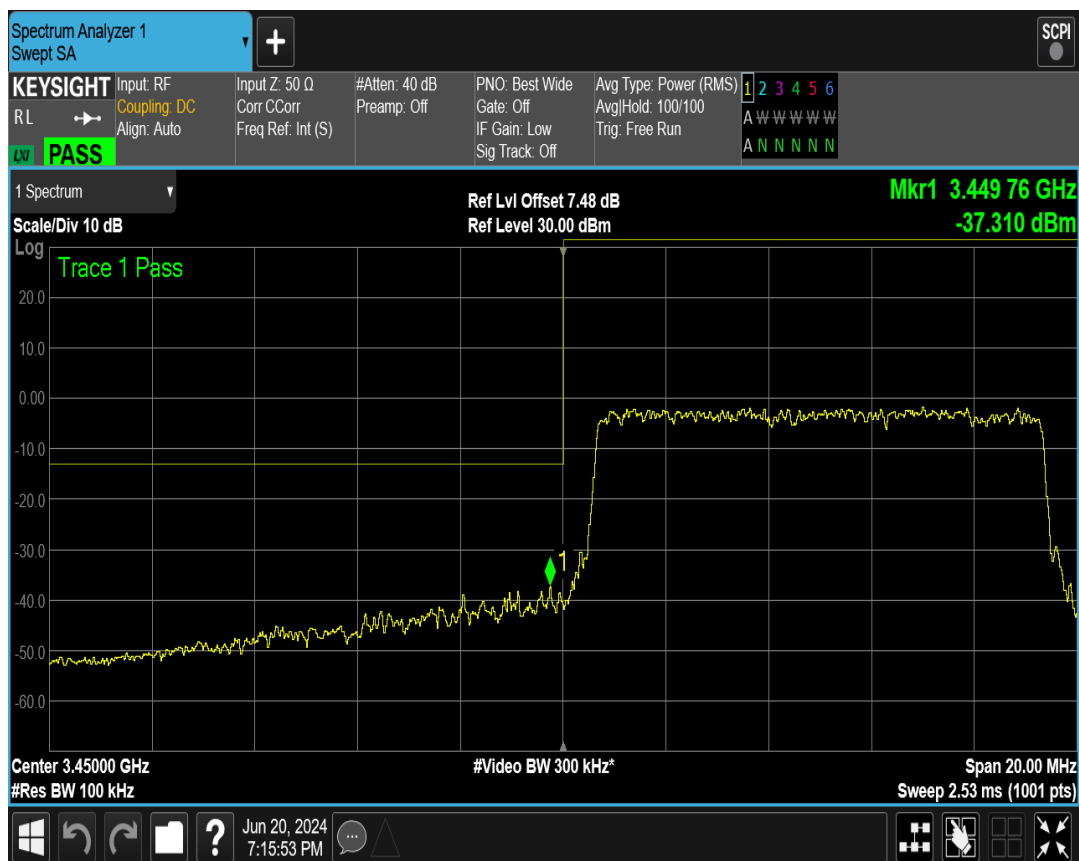




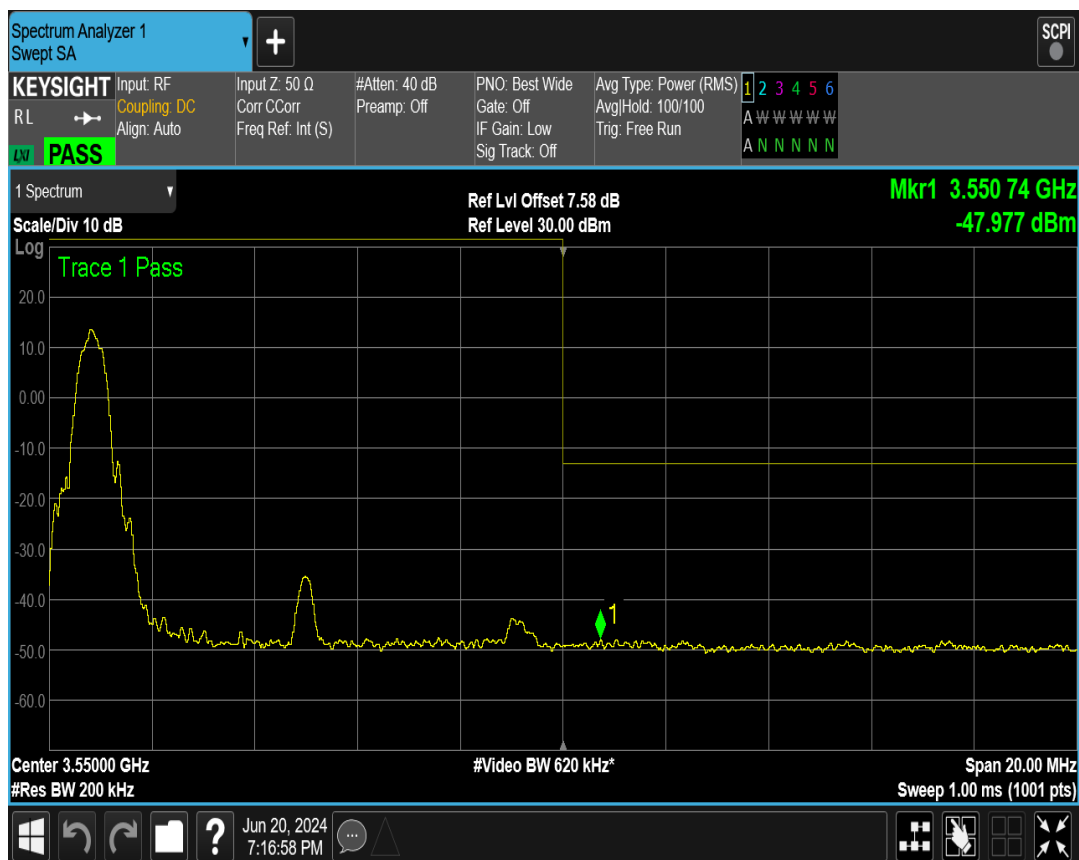
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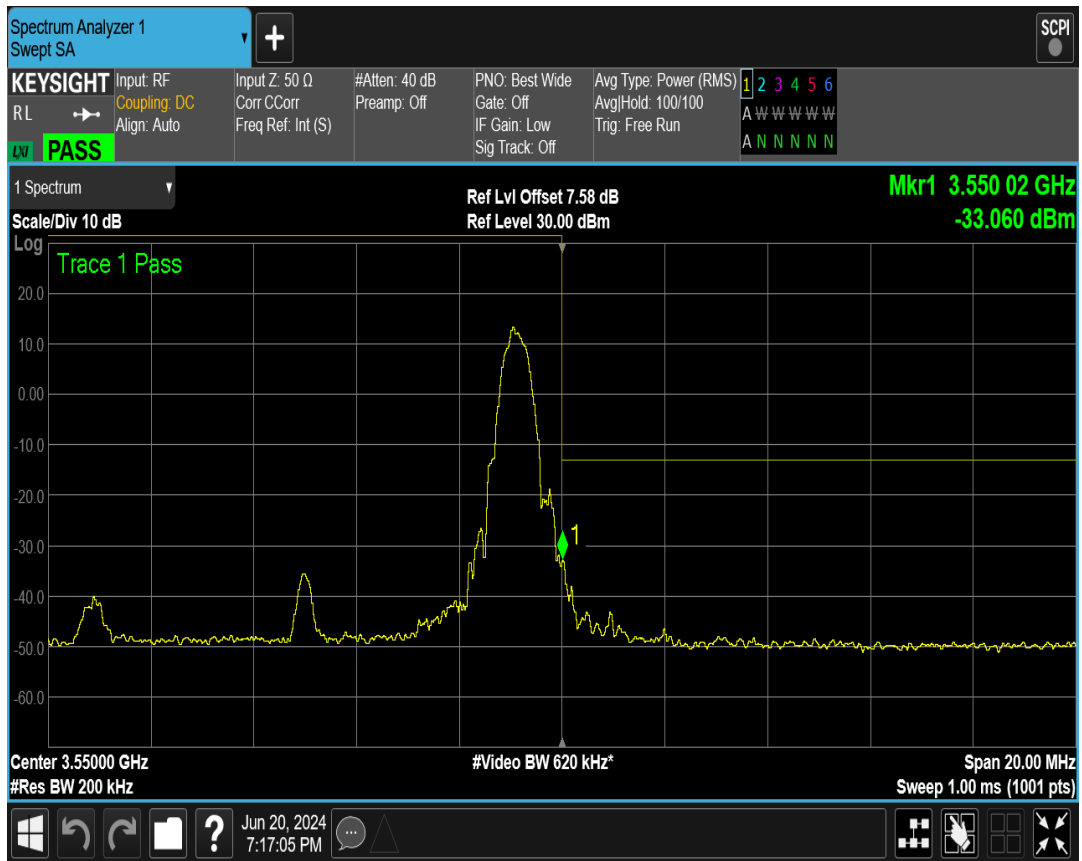
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*n78(3450-3550) SCS=30kHz CP\_QPSK BW=10MHz Channel=636332 RB=1@0*



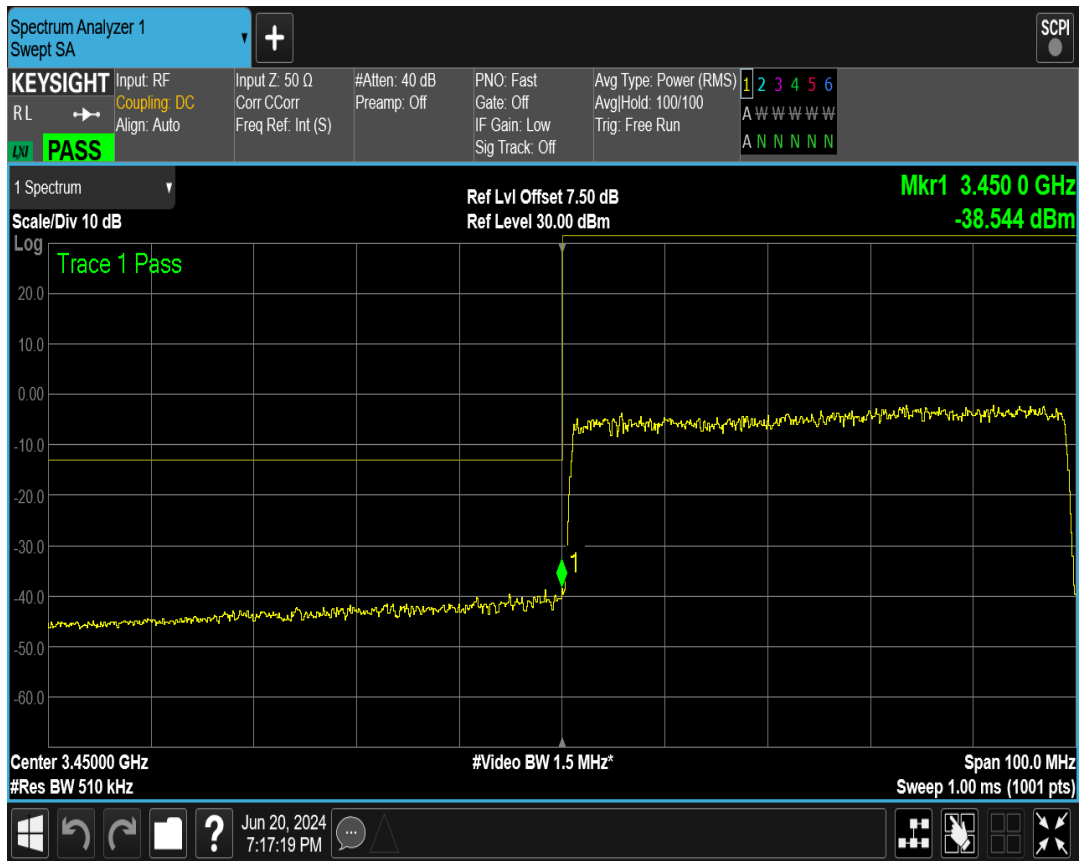
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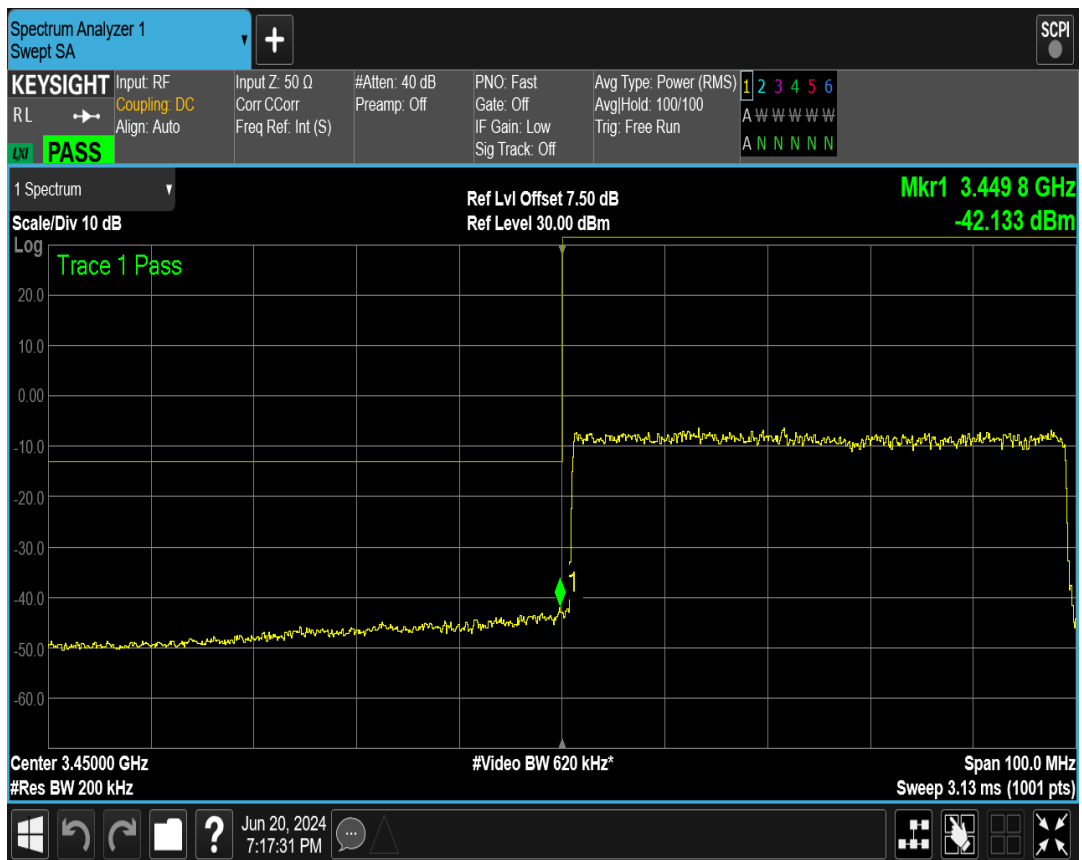
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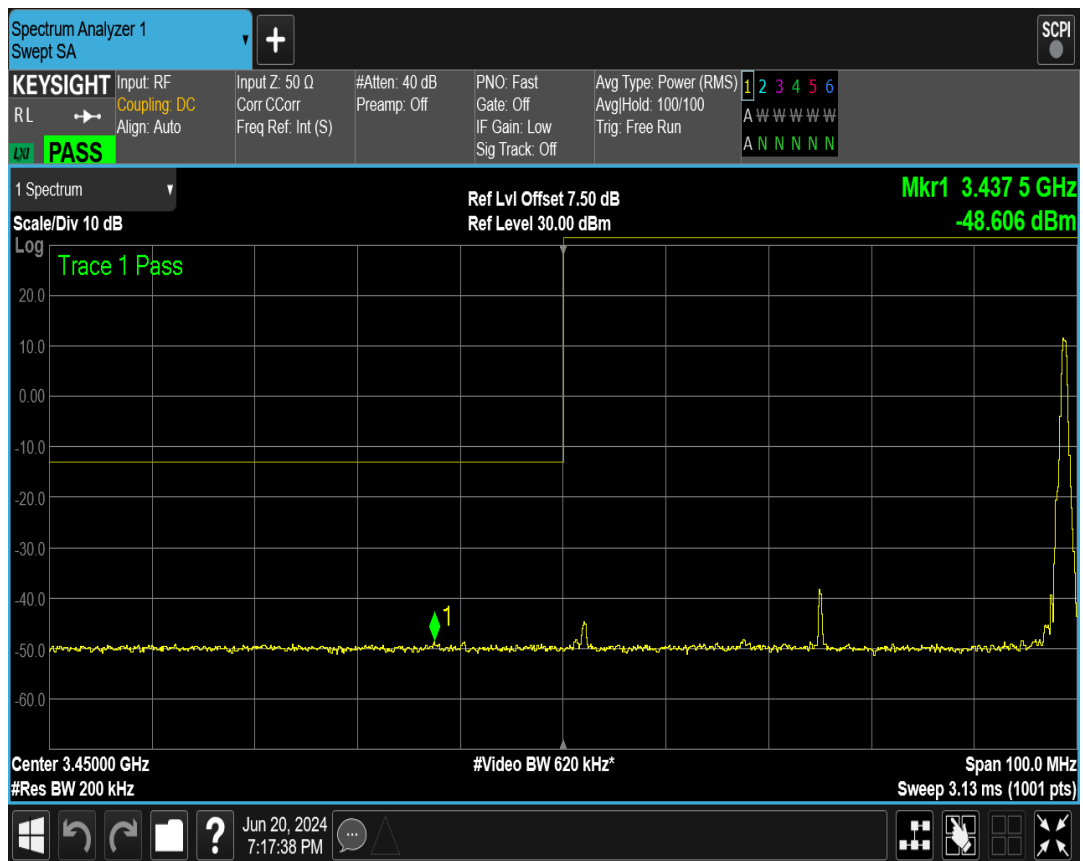
*n78(3450-3550) SCS=30kHz CP\_QPSK BW=50MHz Channel=631668 RB=133@0*



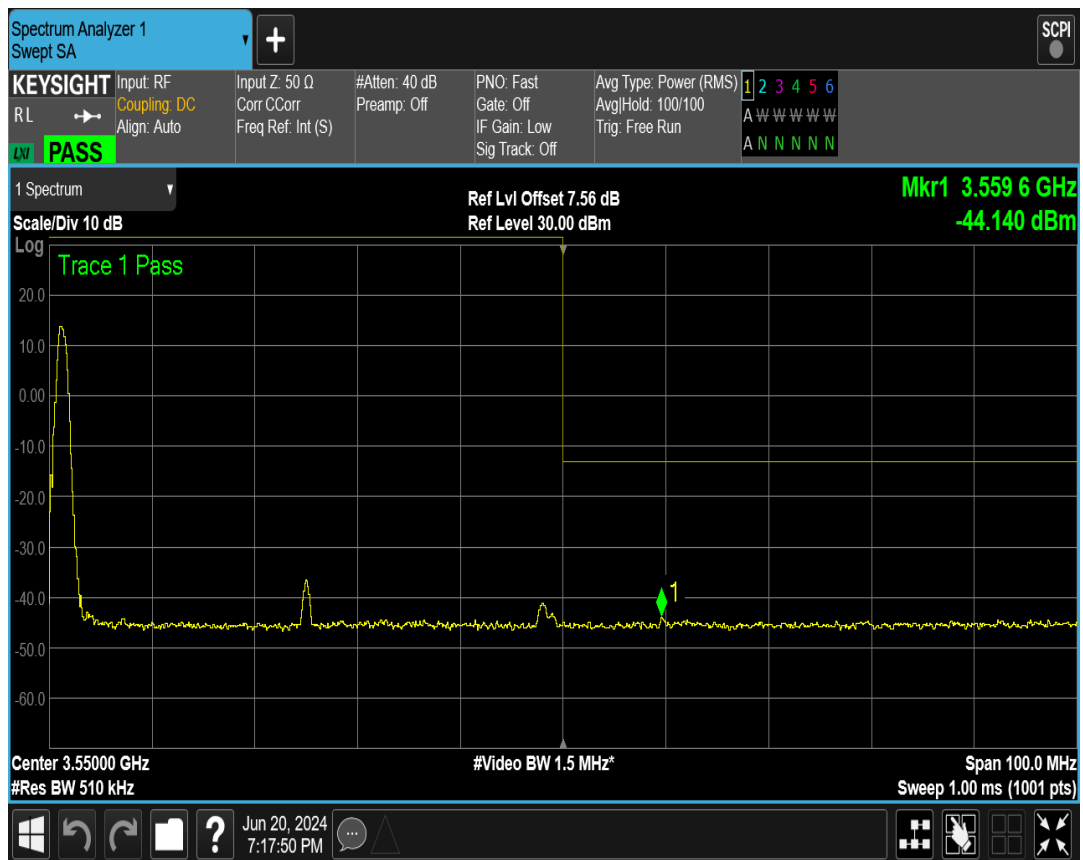
*n78(3450-3550) SCS=30kHz CP\_QPSK BW=50MHz Channel=631668 RB=1@0*



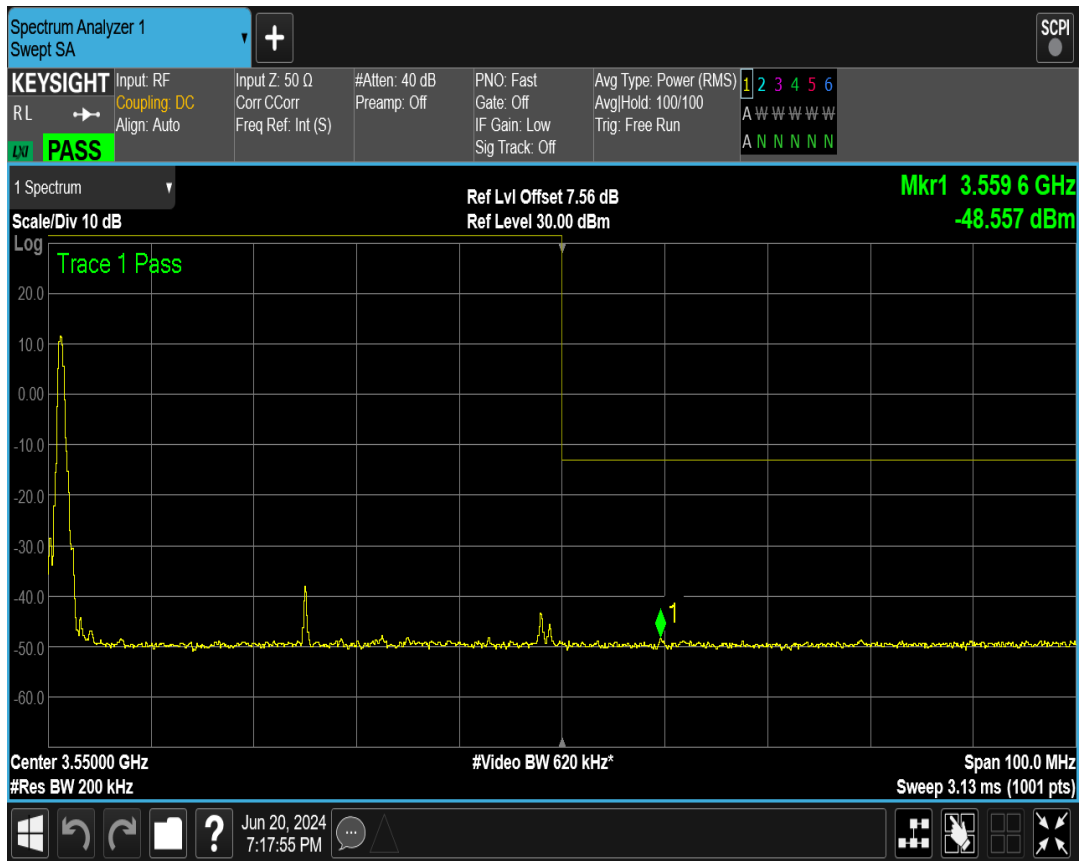
*n78(3450-3550) SCS=30kHz CP\_QPSK BW=50MHz Channel=631668 RB=1@132*



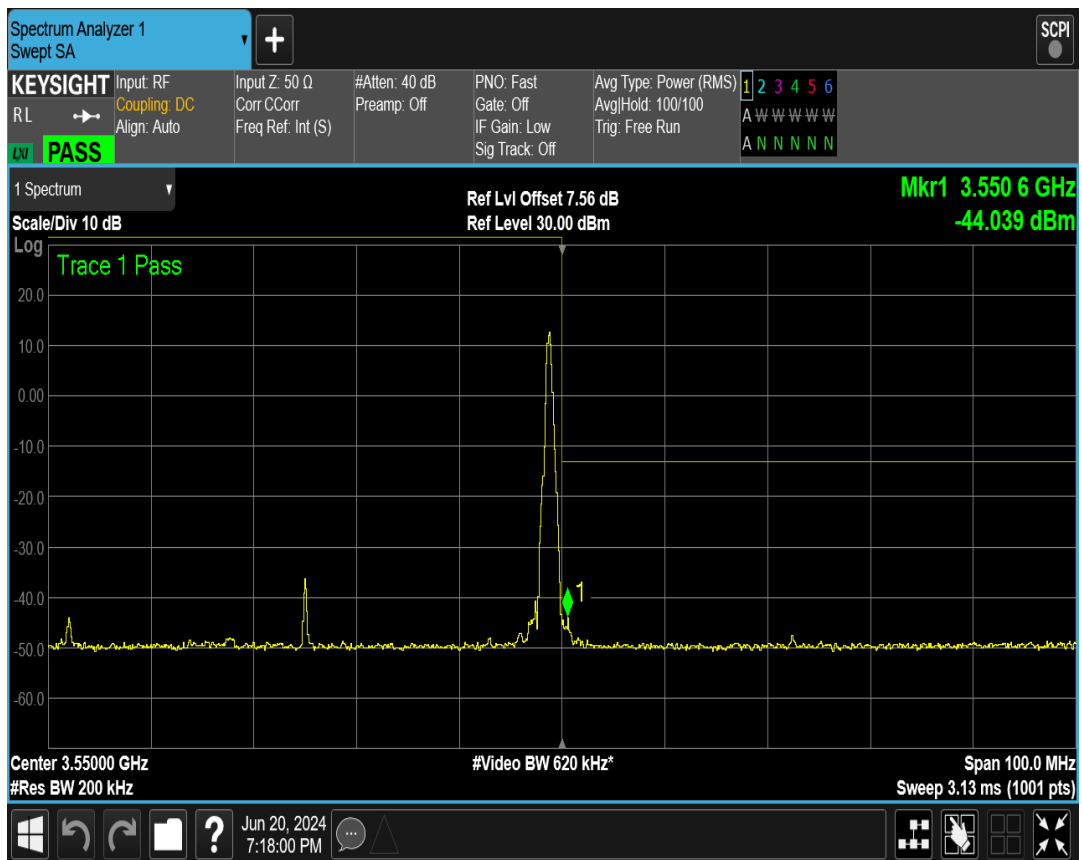
*n78(3450-3550) SCS=30kHz CP\_QPSK BW=50MHz Channel=635000 RB=133@0*



*n78(3450-3550) SCS=30kHz CP\_QPSK BW=50MHz Channel=635000 RB=1@0*



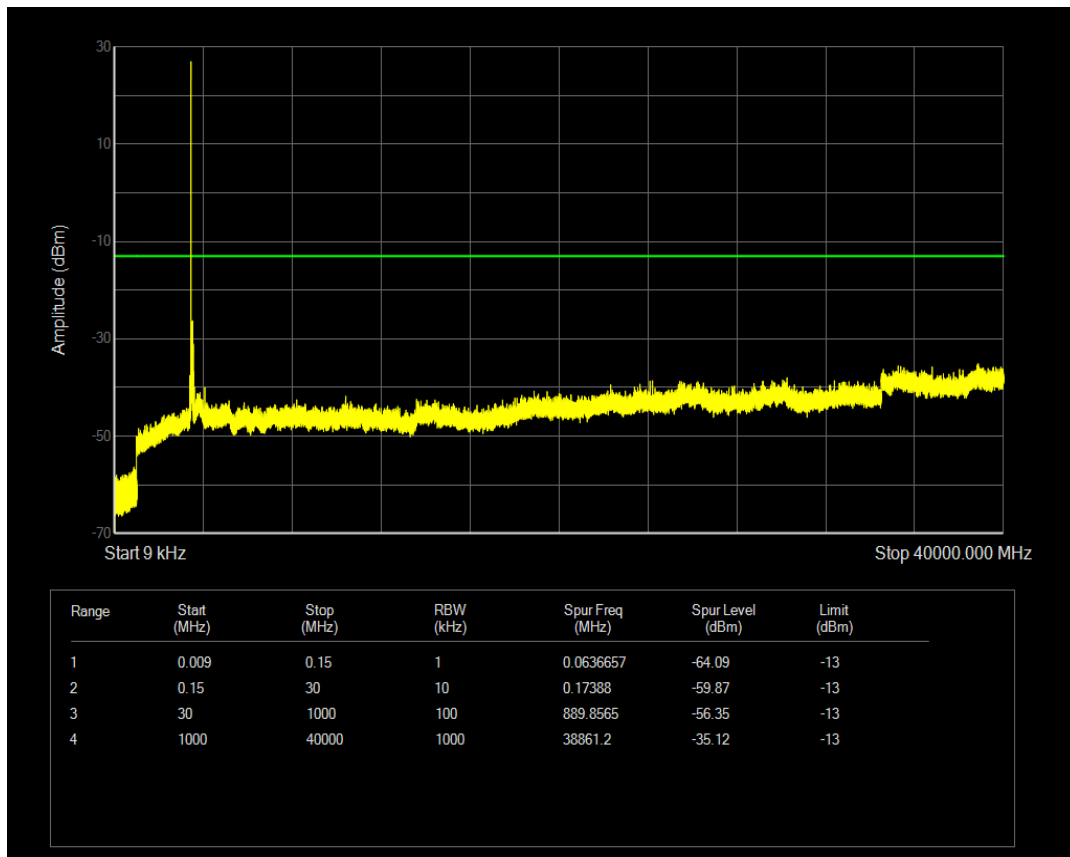
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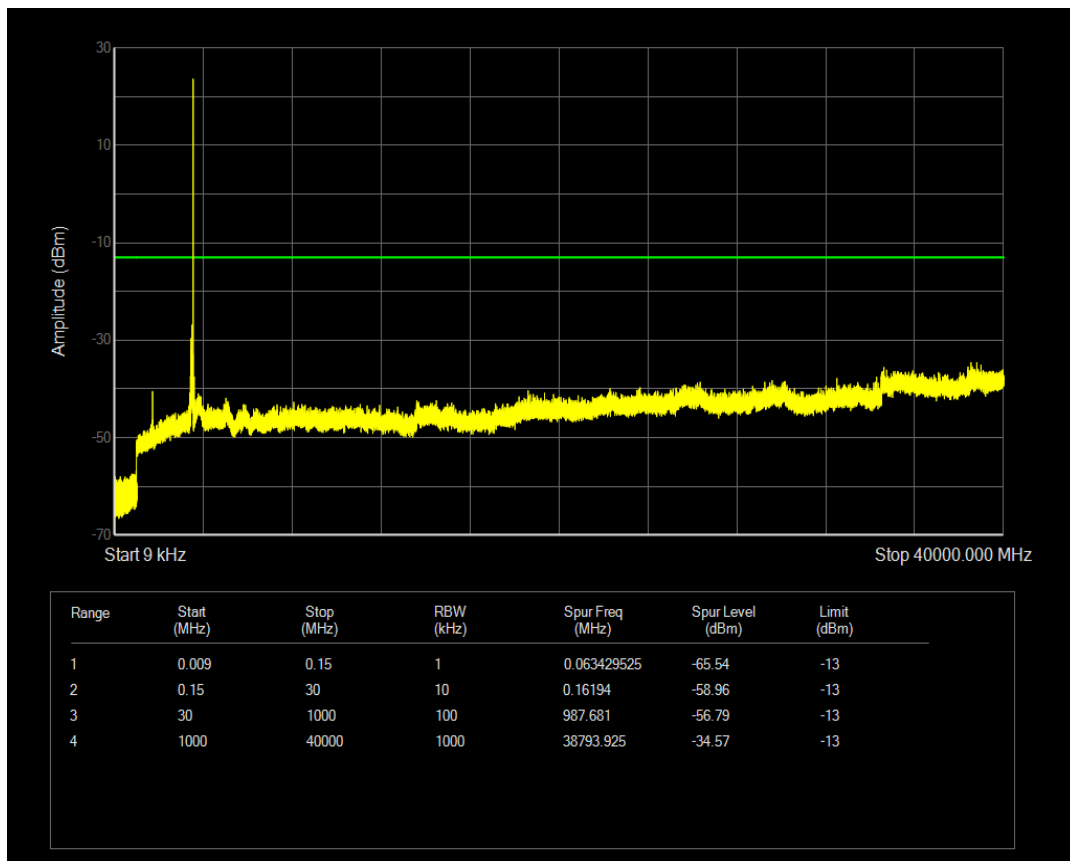
## 6 Out-of-band emissions for NR FR1

| Band           | SCS<br>(kHz) | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Allocation | Modulation | Spur Freq<br>(MHz) | Spur<br>Level<br>(dBm) | Limit<br>(dBm) | Verdict |
|----------------|--------------|--------------------|---------------|------------------|------------|--------------------|------------------------|----------------|---------|
| n78(3450-3550) | 30           | 10                 | 630334        | 24@0             | CP_QPSK    | 38842.68           | -34.28                 | -13            | PASS    |
| n78(3450-3550) | 30           | 10                 | 630334        | 1@0              | CP_QPSK    | 39520.30           | -34.92                 | -13            | PASS    |
| n78(3450-3550) | 30           | 10                 | 630334        | 1@23             | CP_QPSK    | 38994.78           | -33.29                 | -13            | PASS    |
| n78(3450-3550) | 30           | 10                 | 636332        | 24@0             | CP_QPSK    | 35481.85           | -35.61                 | -13            | PASS    |
| n78(3450-3550) | 30           | 10                 | 636332        | 1@0              | CP_QPSK    | 34555.60           | -34.69                 | -13            | PASS    |
| n78(3450-3550) | 30           | 10                 | 636332        | 1@23             | CP_QPSK    | 35414.58           | -35.11                 | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 631668        | 133@0            | CP_QPSK    | 35124.03           | -35.20                 | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 631668        | 1@0              | CP_QPSK    | 38509.23           | -35.04                 | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 631668        | 1@132            | CP_QPSK    | 39851.80           | -34.88                 | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 635000        | 133@0            | CP_QPSK    | 39573.93           | -35.07                 | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 635000        | 1@0              | CP_QPSK    | 38832.93           | -34.90                 | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 635000        | 1@132            | CP_QPSK    | 35138.65           | -35.33                 | -13            | PASS    |
| n78(3450-3550) | 30           | 100                | 633334        | 273@0            | CP_QPSK    | 39023.05           | -35.42                 | -13            | PASS    |
| n78(3450-3550) | 30           | 100                | 633334        | 1@0              | CP_QPSK    | 38861.20           | -35.12                 | -13            | PASS    |
| n78(3450-3550) | 30           | 100                | 633334        | 1@272            | CP_QPSK    | 38793.93           | -34.57                 | -13            | PASS    |

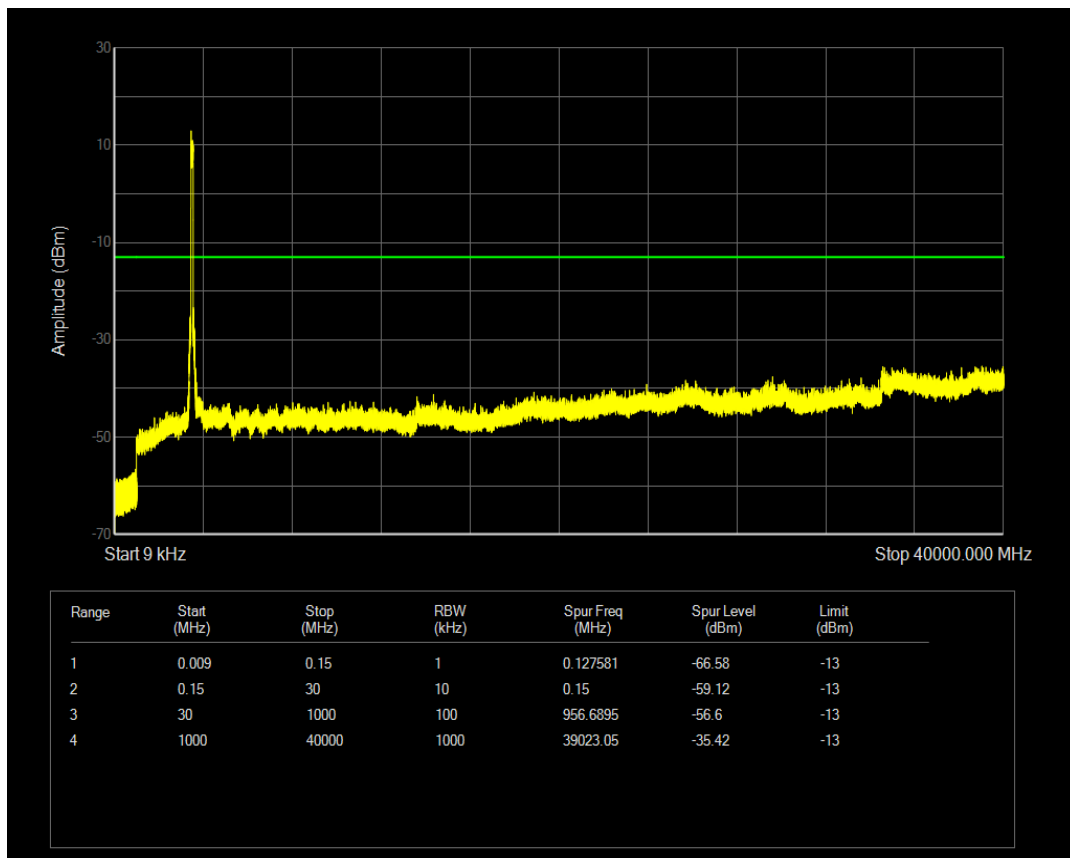
*n78(3450-3550) SCS=30kHz CP\_QPSK BW=100MHz Channel=633334 RB=1@0*



*n78(3450-3550) SCS=30kHz CP\_QPSK BW=100MHz Channel=633334 RB=1@272*

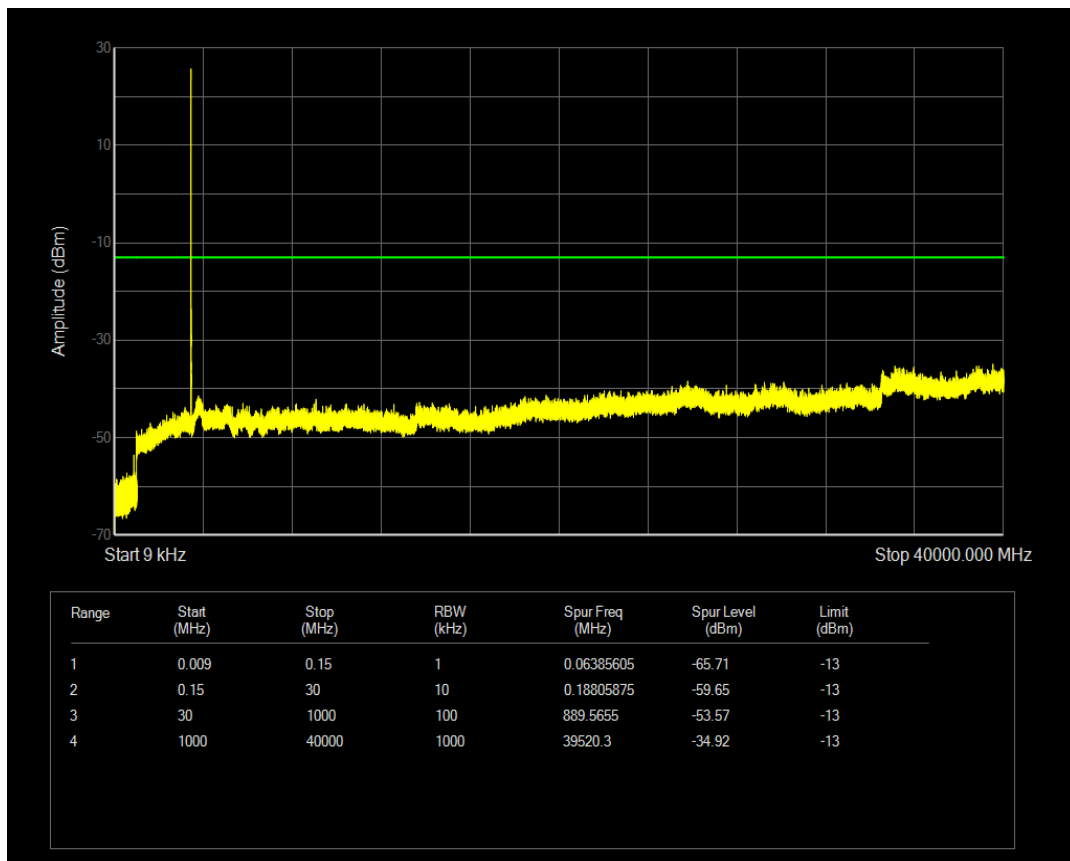


*n78(3450-3550) SCS=30kHz CP\_QPSK BW=100MHz Channel=633334 RB=273@0*

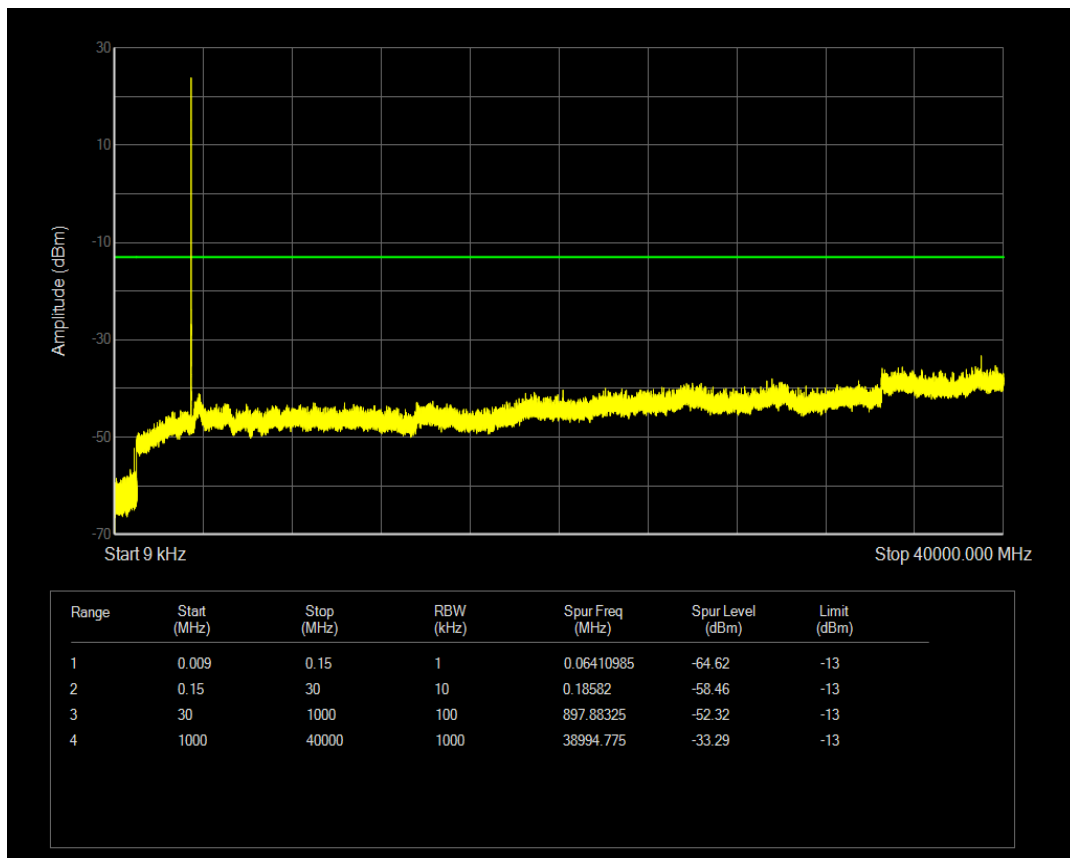


*n78(3450-3550) SCS=30kHz CP\_QPSK BW=10MHz Channel=630334 RB=1@0*

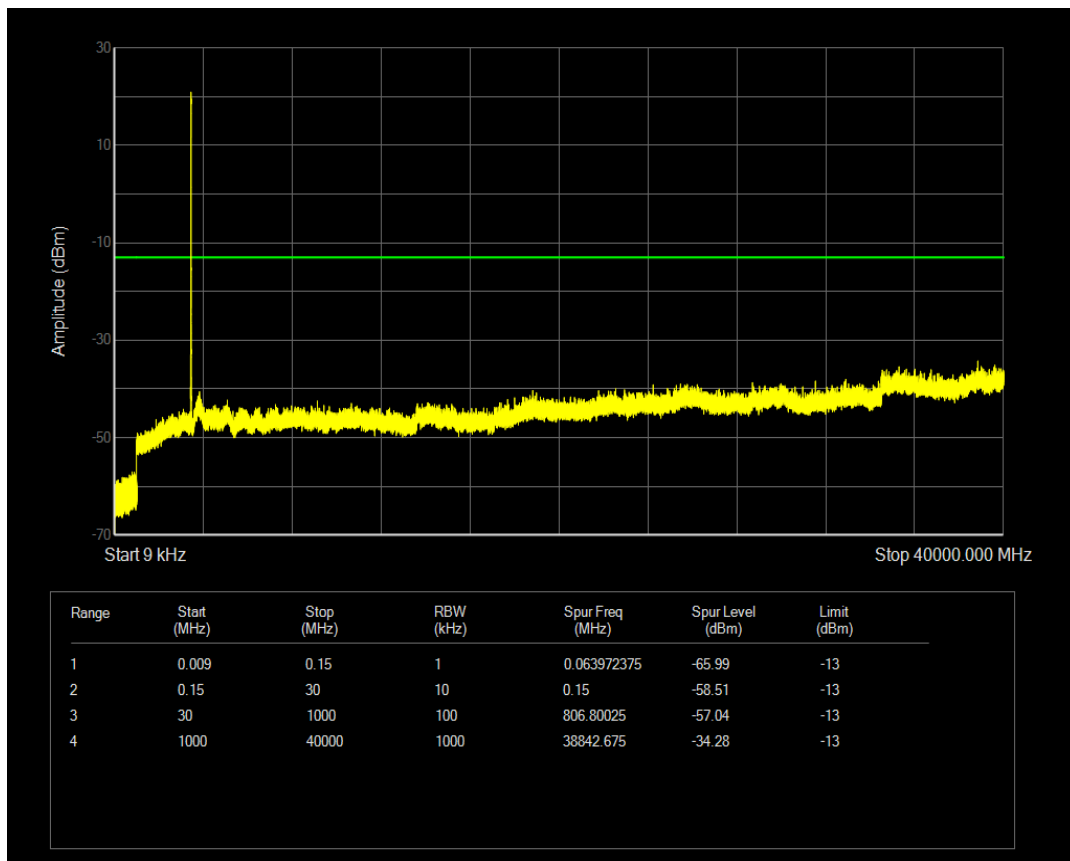




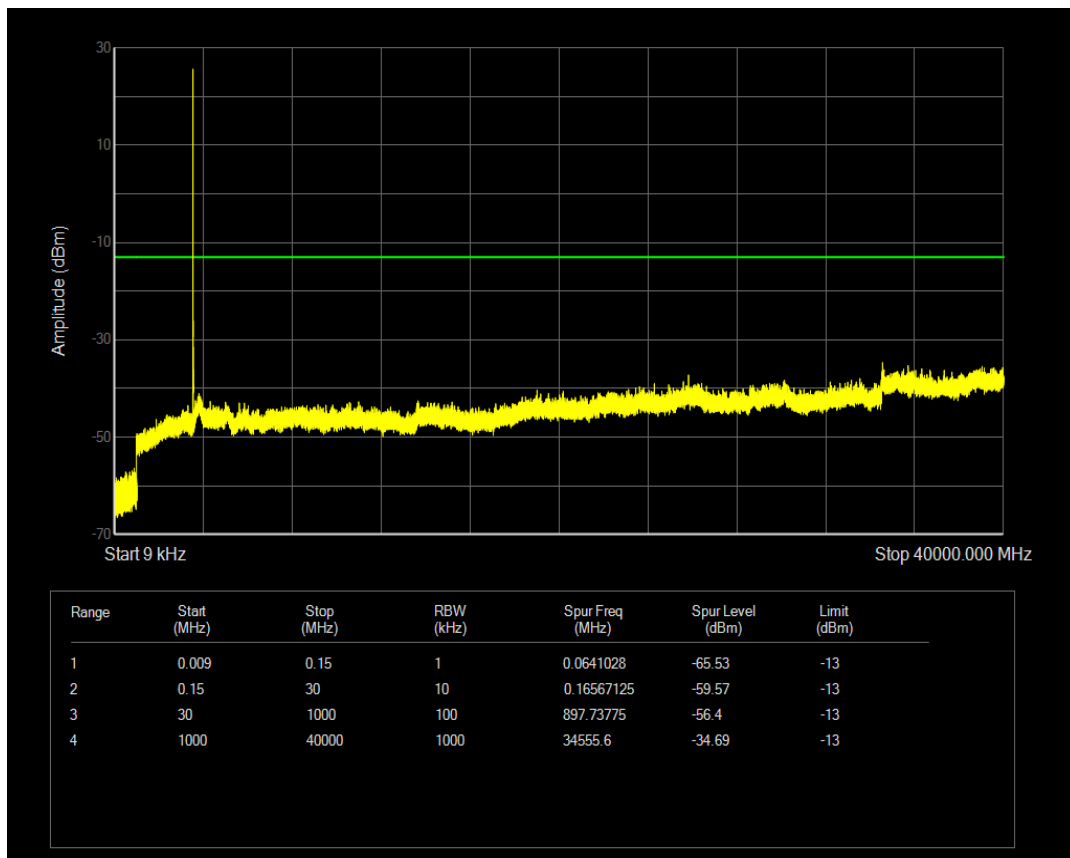
***n78(3450-3550) SCS=30kHz CP\_QPSK BW=10MHz Channel=630334 RB=1@23***



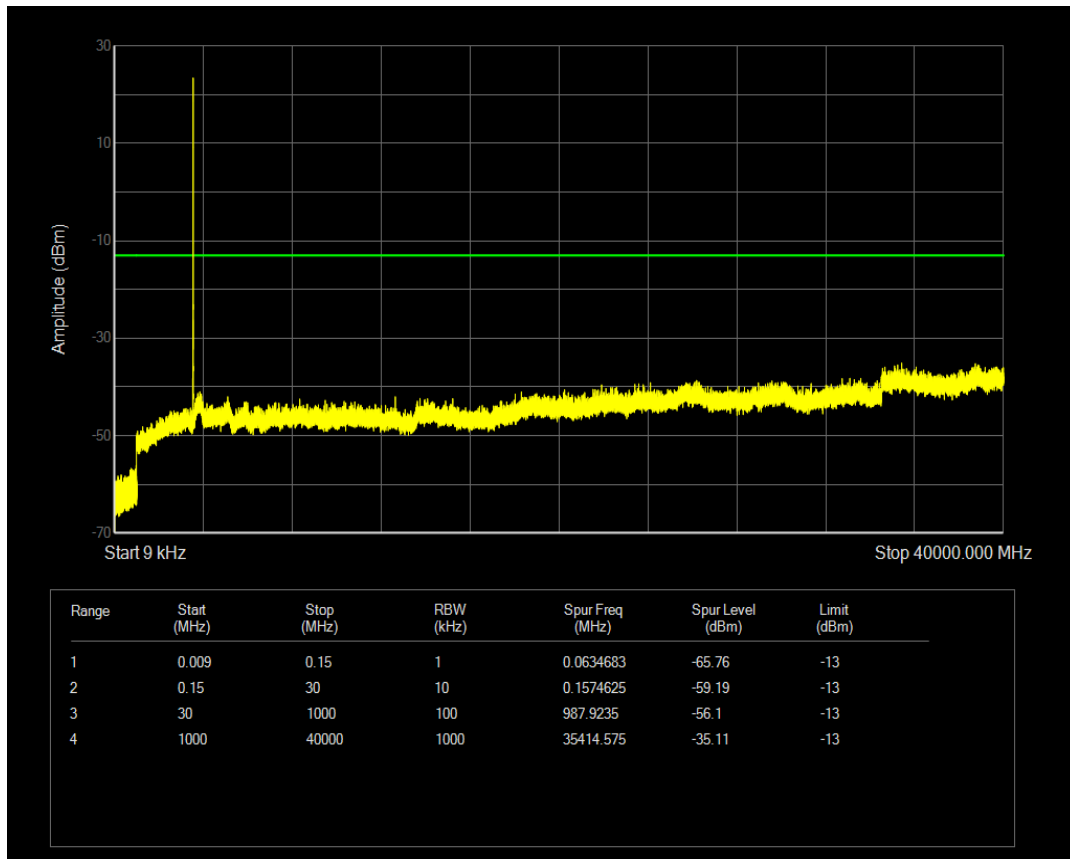
***n78(3450-3550) SCS=30kHz CP\_QPSK BW=10MHz Channel=630334 RB=24@0***



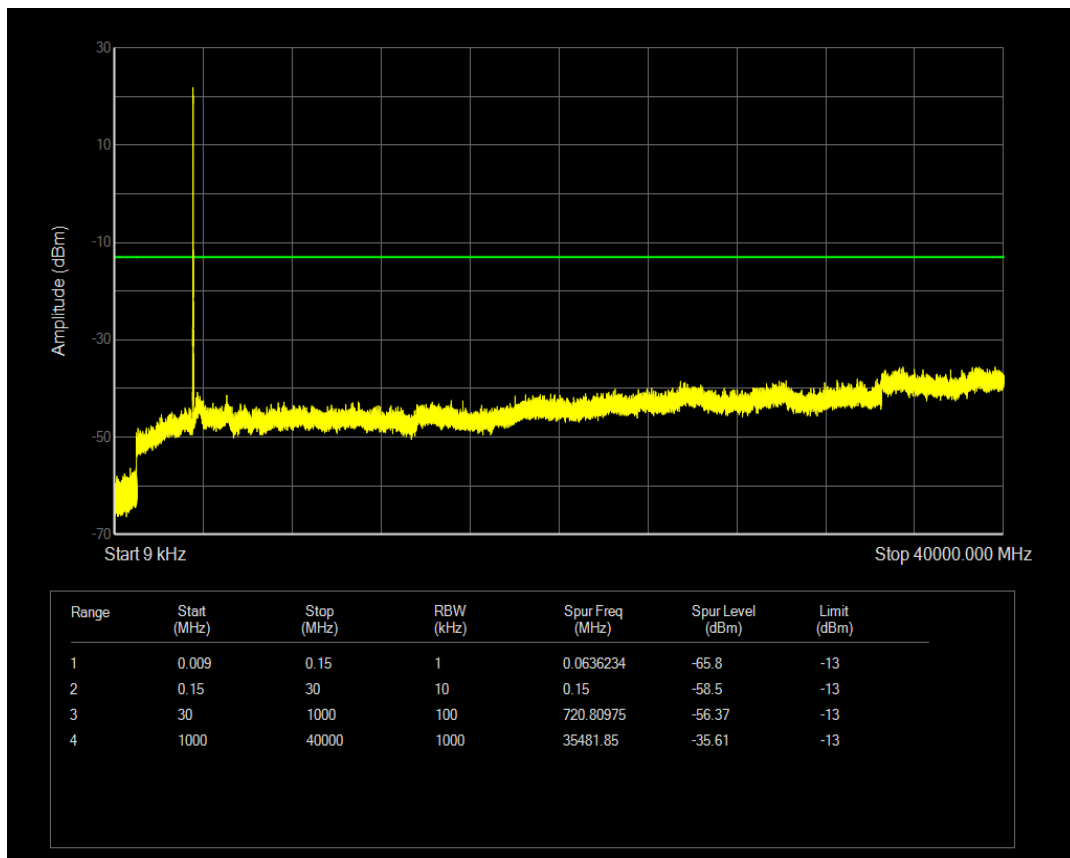
*n78(3450-3550) SCS=30kHz CP\_QPSK BW=10MHz Channel=636332 RB=1@0*



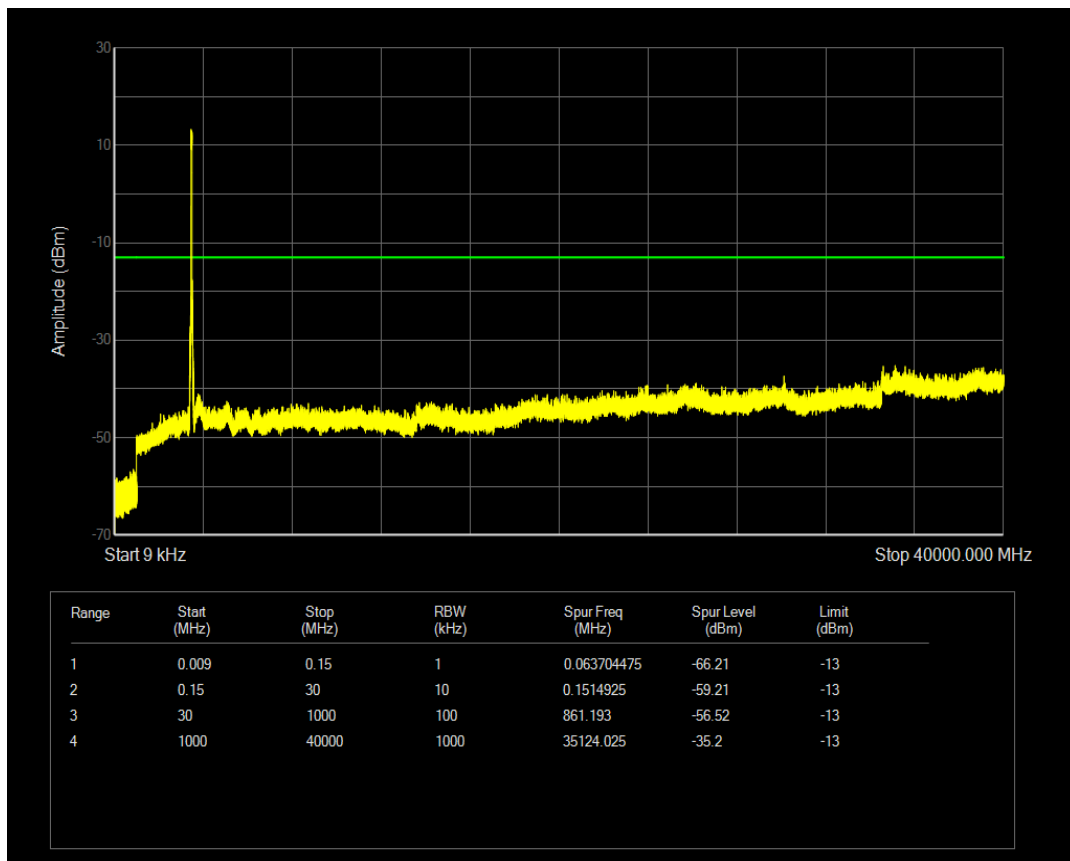
*n78(3450-3550) SCS=30kHz CP\_QPSK BW=10MHz Channel=636332 RB=1@23*



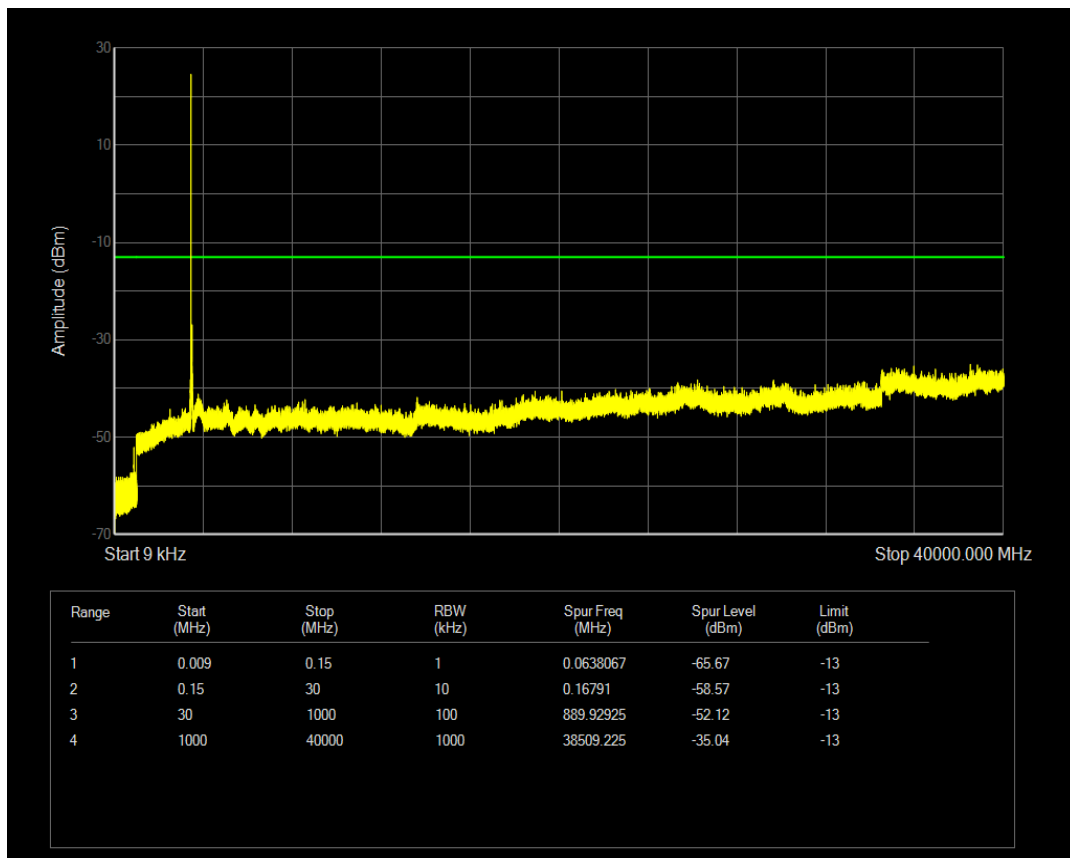
*n78(3450-3550) SCS=30kHz CP\_QPSK BW=10MHz Channel=636332 RB=24@0*



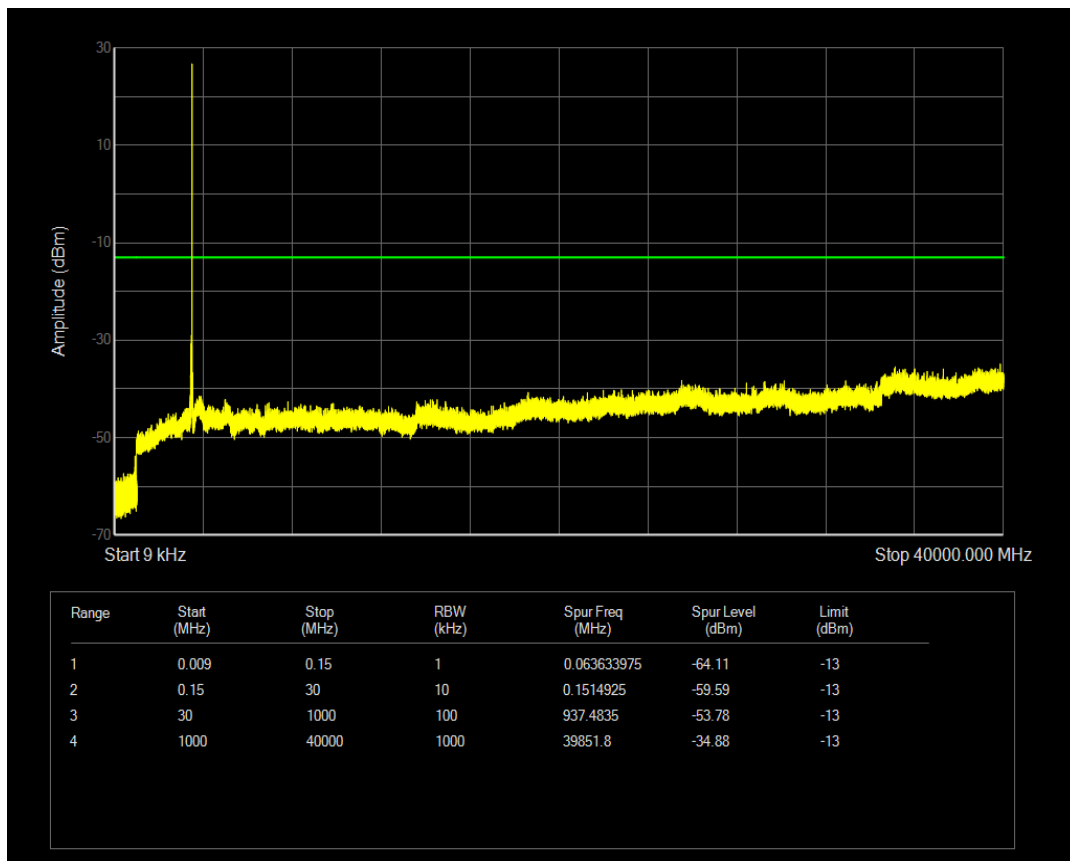
*n78(3450-3550) SCS=30kHz CP\_QPSK BW=50MHz Channel=631668 RB=133@0*



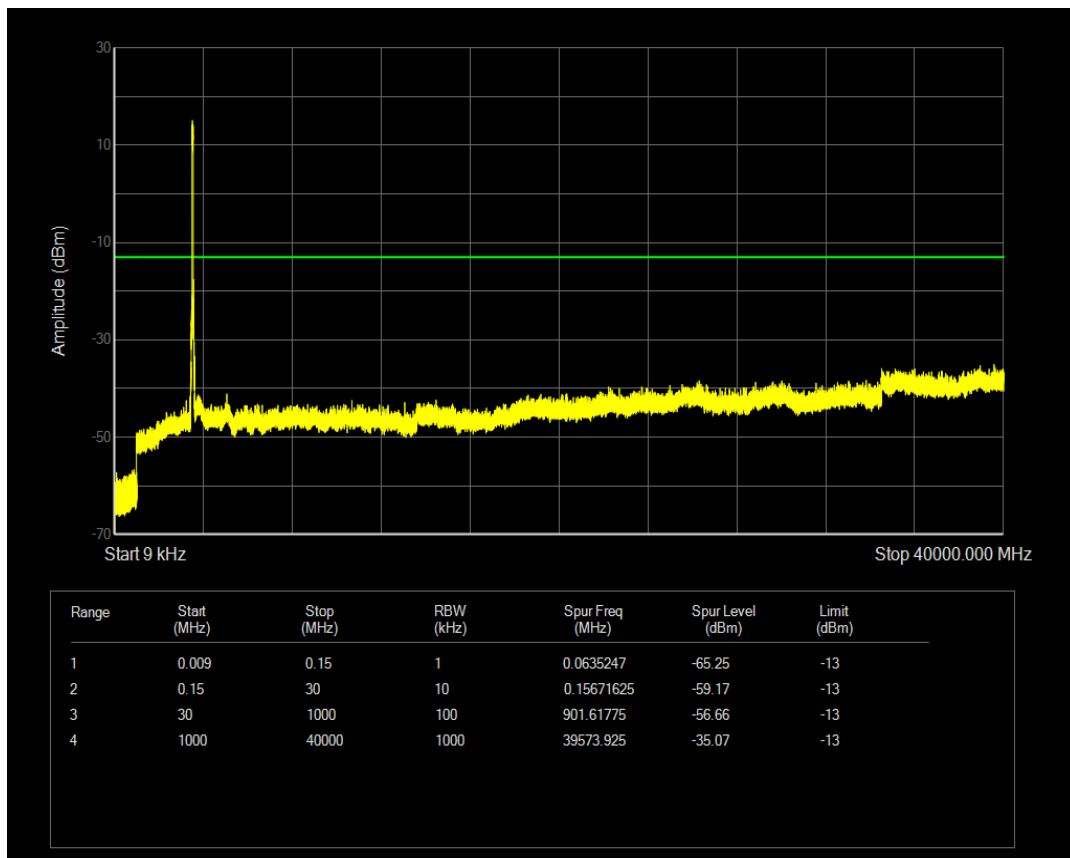
*n78(3450-3550) SCS=30kHz CP\_QPSK BW=50MHz Channel=631668 RB=1@0*



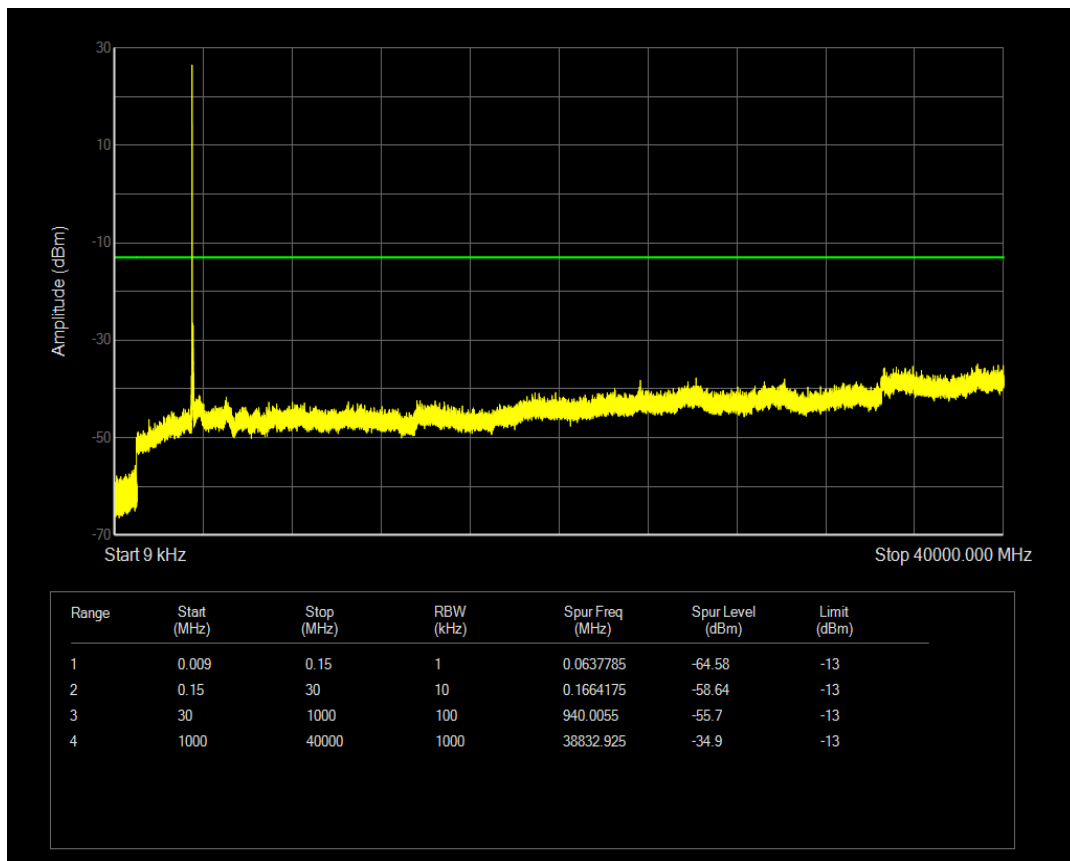
*n78(3450-3550) SCS=30kHz CP\_QPSK BW=50MHz Channel=631668 RB=1@132*



*n78(3450-3550) SCS=30kHz CP\_QPSK BW=50MHz Channel=635000 RB=133@0*



*n78(3450-3550) SCS=30kHz CP\_QPSK BW=50MHz Channel=635000 RB=1@0*



*n78(3450-3550) SCS=30kHz CP\_QPSK BW=50MHz Channel=635000 RB=1@132*

