



***n78(3700-3800) SCS=30kHz DFT\_QAM256 BW=20MHz Channel=650000 RB=50@0***



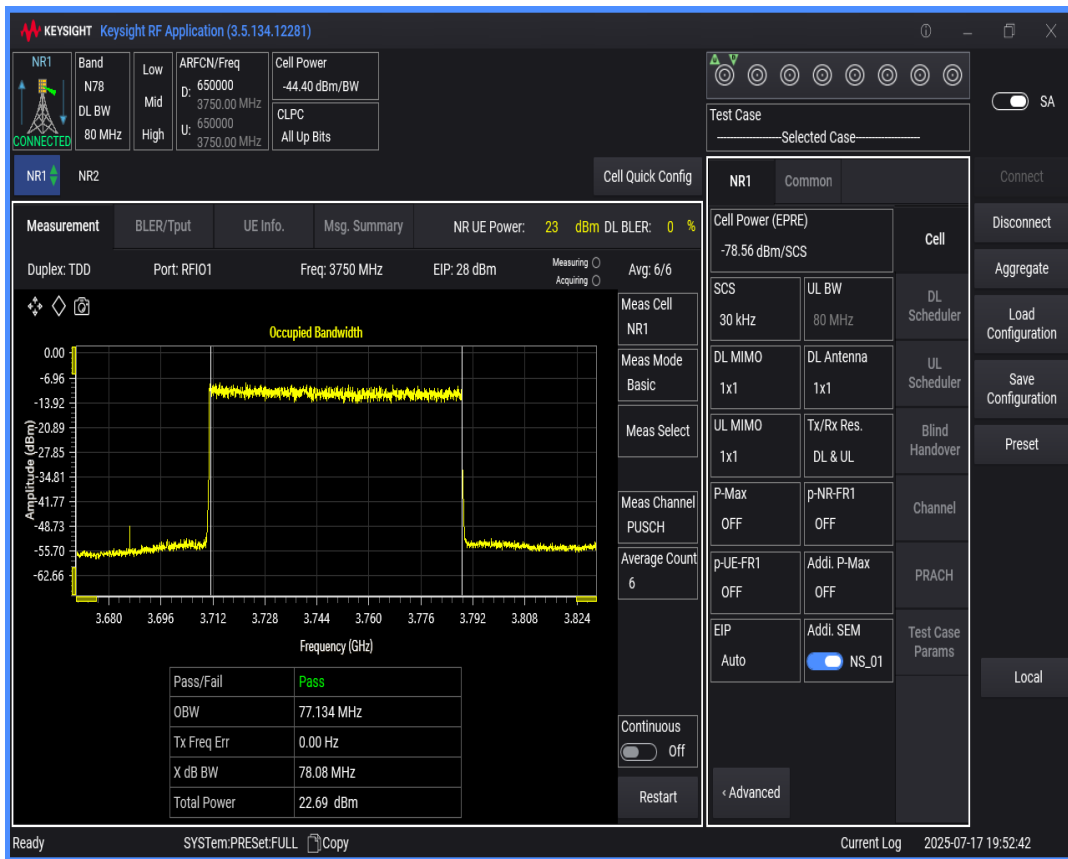
***n78(3700-3800) SCS=30kHz DFT\_QAM256 BW=30MHz Channel=650000 RB=75@0***



***n78(3700-3800) SCS=30kHz DFT\_QAM256 BW=40MHz Channel=650000 RB=100@0***



***n78(3700-3800) SCS=30kHz DFT\_QAM256 BW=80MHz Channel=650000 RB=216@0***



***n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=15MHz Channel=650000 RB=36@0***



***n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=20MHz Channel=650000 RB=50@0***



***n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=30MHz Channel=650000 RB=75@0***



***n78(3700-3800) SCS=30kHz DFT\_QAM256 BW=90MHz Channel=650000 RB=240@0***



***n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=100MHz Channel=650000 RB=270@0***



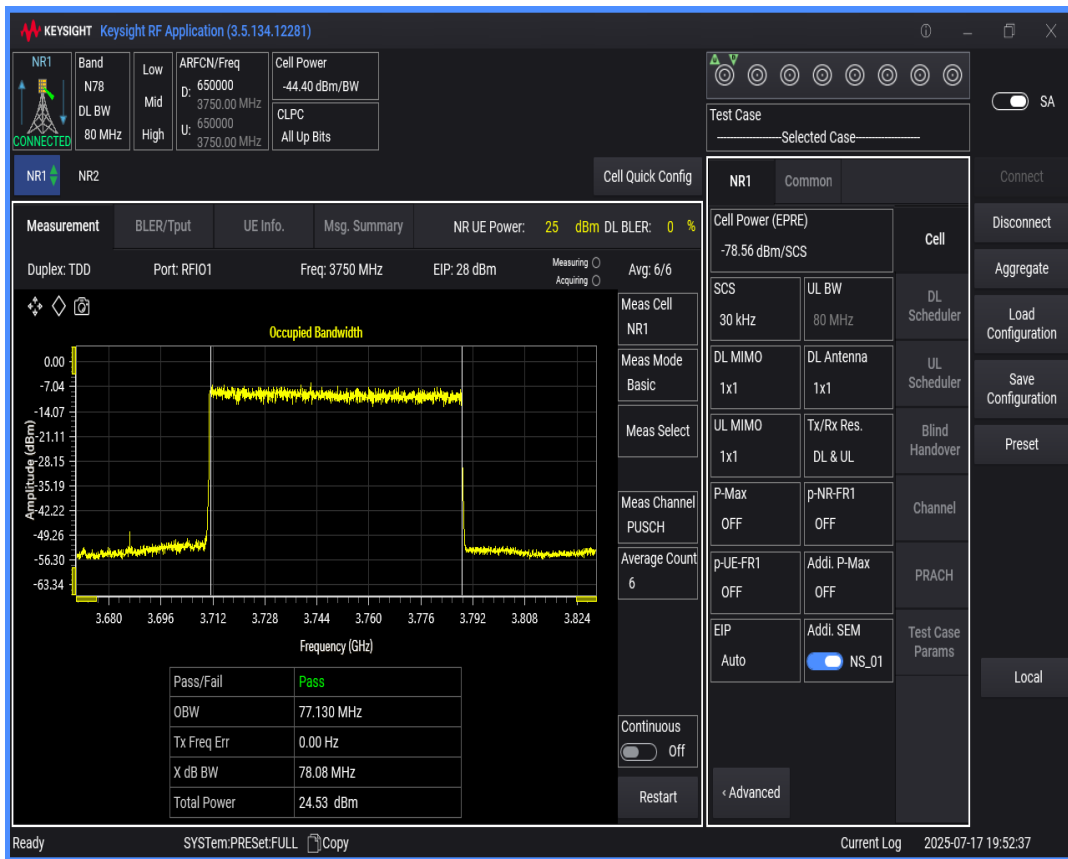
***n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=10MHz Channel=650000 RB=24@0***



***n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=70MHz Channel=650000 RB=180@0***



***n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=80MHz Channel=650000 RB=216@0***



***n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=90MHz Channel=650000 RB=240@0***



***n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=40MHz Channel=650000 RB=100@0***



***n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=50MHz Channel=650000 RB=128@0***



***n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=60MHz Channel=650000 RB=162@0***



*n78(3700-3800) SCS=30kHz DFT\_QPSK BW=10MHz Channel=650000 RB=24@0*



*n78(3700-3800) SCS=30kHz DFT\_QPSK BW=100MHz Channel=650000 RB=270@0*



*n78(3700-3800) SCS=30kHz DFT\_QPSK BW=20MHz Channel=650000 RB=50@0*



*n78(3700-3800) SCS=30kHz DFT\_QPSK BW=15MHz Channel=650000 RB=36@0*



***n78(3700-3800) SCS=30kHz DFT\_QPSK BW=50MHz Channel=650000 RB=128@0***



***n78(3700-3800) SCS=30kHz DFT\_QPSK BW=60MHz Channel=650000 RB=162@0***



*n78(3700-3800) SCS=30kHz DFT\_QPSK BW=30MHz Channel=650000 RB=75@0*



*n78(3700-3800) SCS=30kHz DFT\_QPSK BW=40MHz Channel=650000 RB=100@0*



***n78(3700-3800) SCS=30kHz DFT\_QPSK BW=90MHz Channel=650000 RB=240@0***



***n78(3700-3800) SCS=30kHz DFT\_QPSK BW=80MHz Channel=650000 RB=216@0***



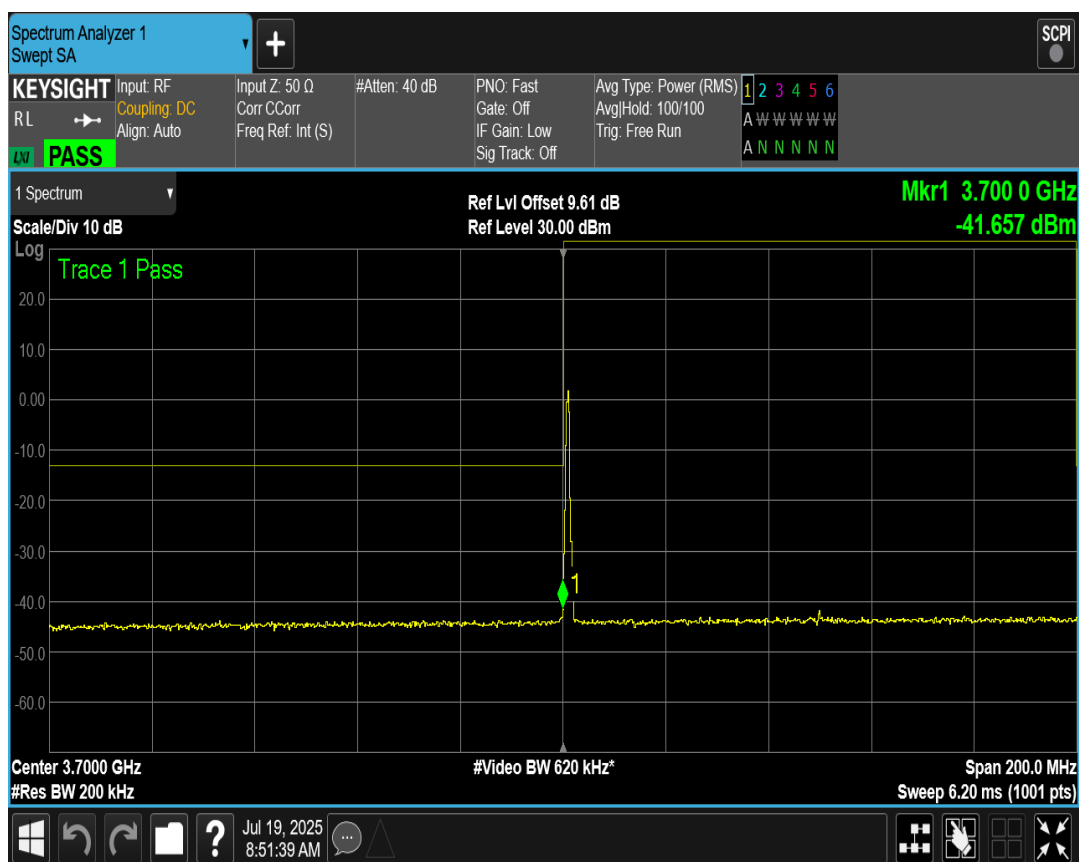
*n78(3700-3800) SCS=30kHz DFT\_QPSK BW=70MHz Channel=650000 RB=180@0*



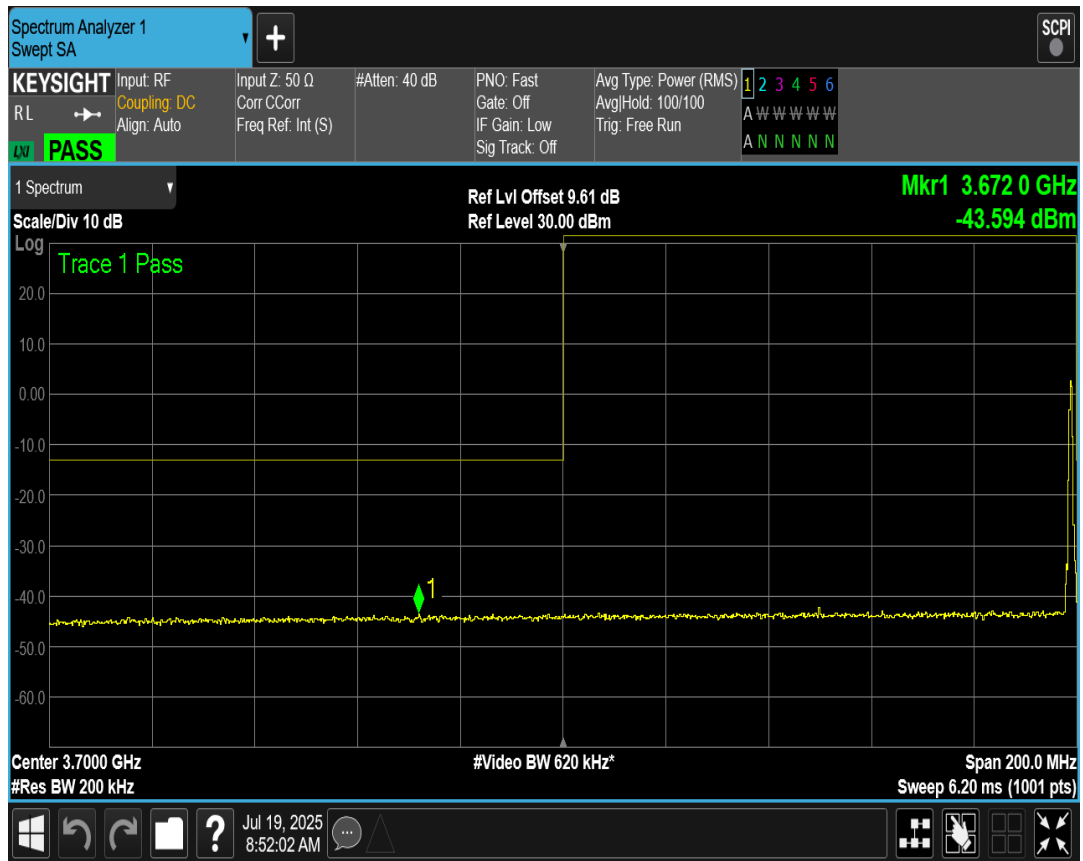
## 5 Band edge for NR FR1

| Band           | SCS<br>(kHz) | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Allocation | Modulation | Spur<br>Freq<br>(MHz) | Spur<br>Level<br>(dBm) | Limit<br>(dBm) | Verdict |
|----------------|--------------|--------------------|---------------|------------------|------------|-----------------------|------------------------|----------------|---------|
| n78(3700-3800) | 30           | 10                 | 647000        | 24@0             | CP_QPSK    | 3698.86               | -45.94                 | -13            | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 1@0              | CP_QPSK    | 3699.88               | -38.37                 | -13            | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 1@23             | CP_QPSK    | 3695.52               | -43.43                 | -13            | PASS    |
| n78(3700-3800) | 30           | 10                 | 653000        | 24@0             | CP_QPSK    | 3801.00               | -45.07                 | -13            | PASS    |
| n78(3700-3800) | 30           | 10                 | 653000        | 1@0              | CP_QPSK    | 3807.38               | -42.90                 | -13            | PASS    |
| n78(3700-3800) | 30           | 10                 | 653000        | 1@23             | CP_QPSK    | 3800.04               | -40.34                 | -13            | PASS    |
| n78(3700-3800) | 30           | 50                 | 648334        | 133@0            | CP_QPSK    | 3699.40               | -39.20                 | -13            | PASS    |
| n78(3700-3800) | 30           | 50                 | 648334        | 1@0              | CP_QPSK    | 3700.00               | -41.67                 | -13            | PASS    |
| n78(3700-3800) | 30           | 50                 | 648334        | 1@132            | CP_QPSK    | 3693.10               | -43.32                 | -13            | PASS    |
| n78(3700-3800) | 30           | 50                 | 651666        | 133@0            | CP_QPSK    | 3800.00               | -38.27                 | -13            | PASS    |
| n78(3700-3800) | 30           | 50                 | 651666        | 1@0              | CP_QPSK    | 3811.30               | -43.04                 | -13            | PASS    |
| n78(3700-3800) | 30           | 50                 | 651666        | 1@132            | CP_QPSK    | 3800.00               | -42.50                 | -13            | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 273@0            | CP_QPSK    | 3700.00               | -31.67                 | -13            | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 1@0              | CP_QPSK    | 3700.00               | -41.65                 | -13            | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 1@272            | CP_QPSK    | 3672.00               | -43.59                 | -13            | PASS    |

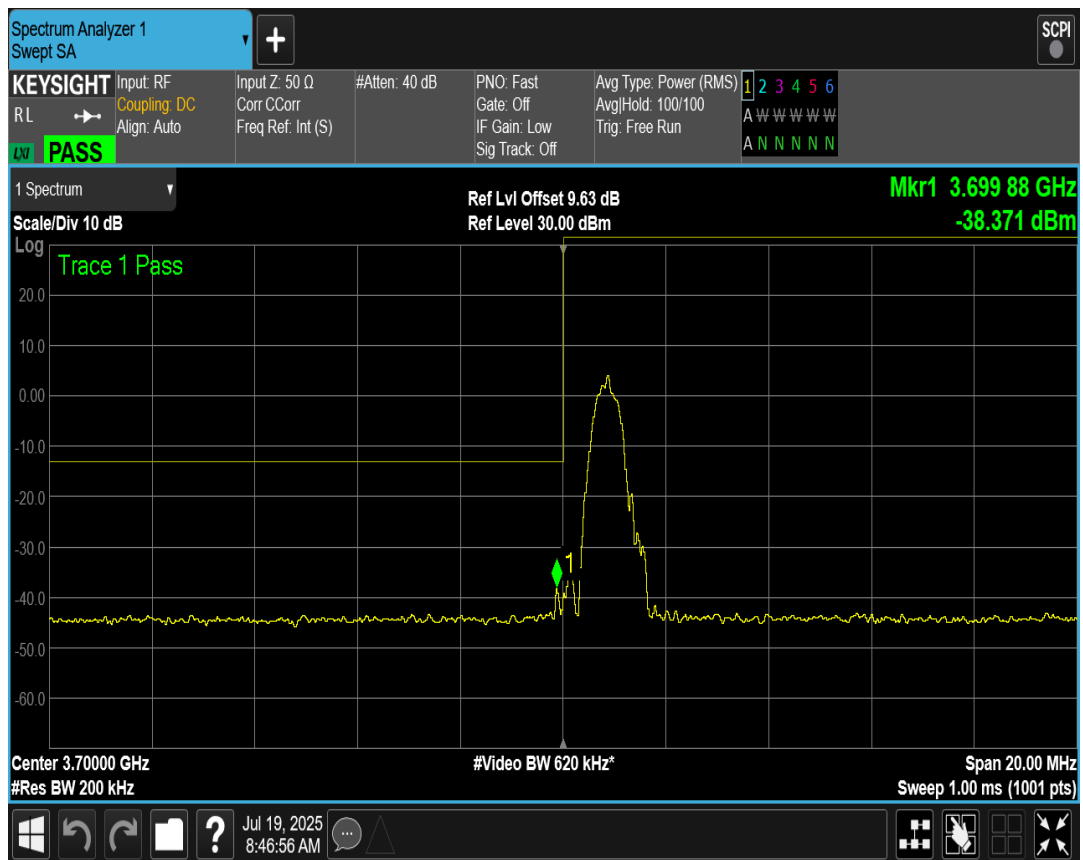
n78(3700-3800) SCS=30kHz CP\_QPSK BW=100MHz Channel=650000 RB=1@0



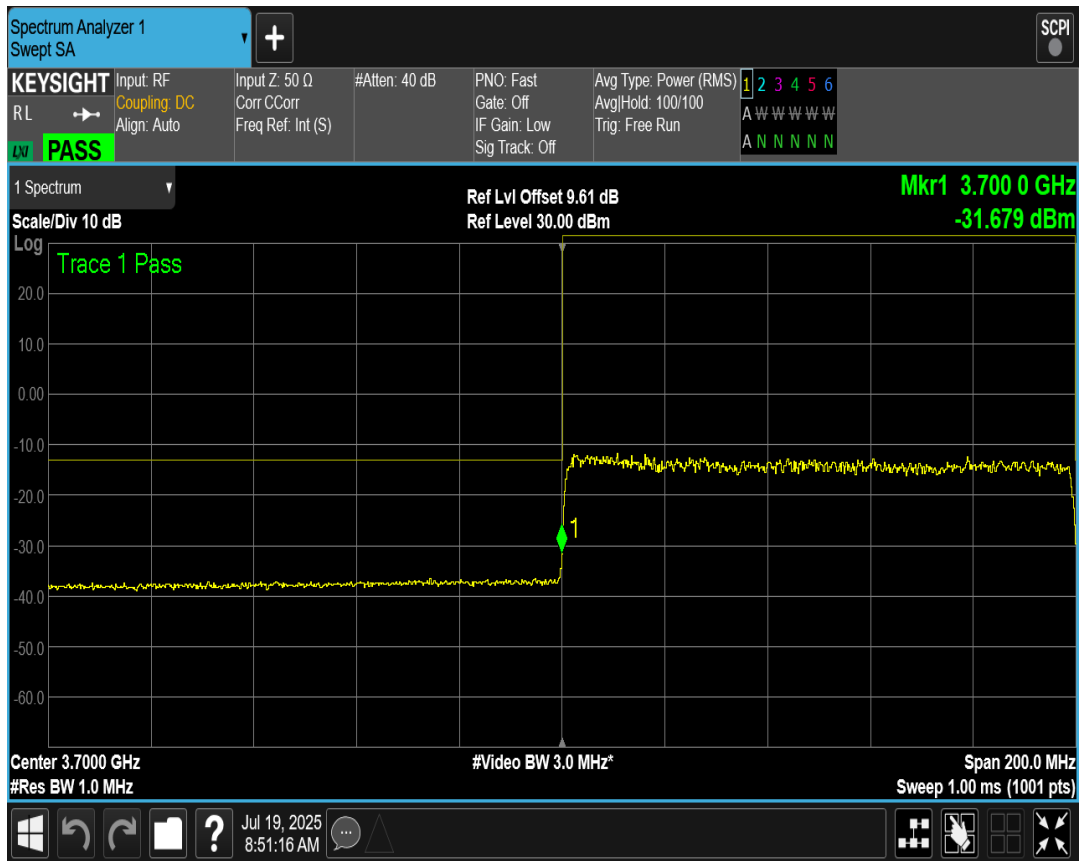
n78(3700-3800) SCS=30kHz CP\_QPSK BW=100MHz Channel=650000 RB=1@272



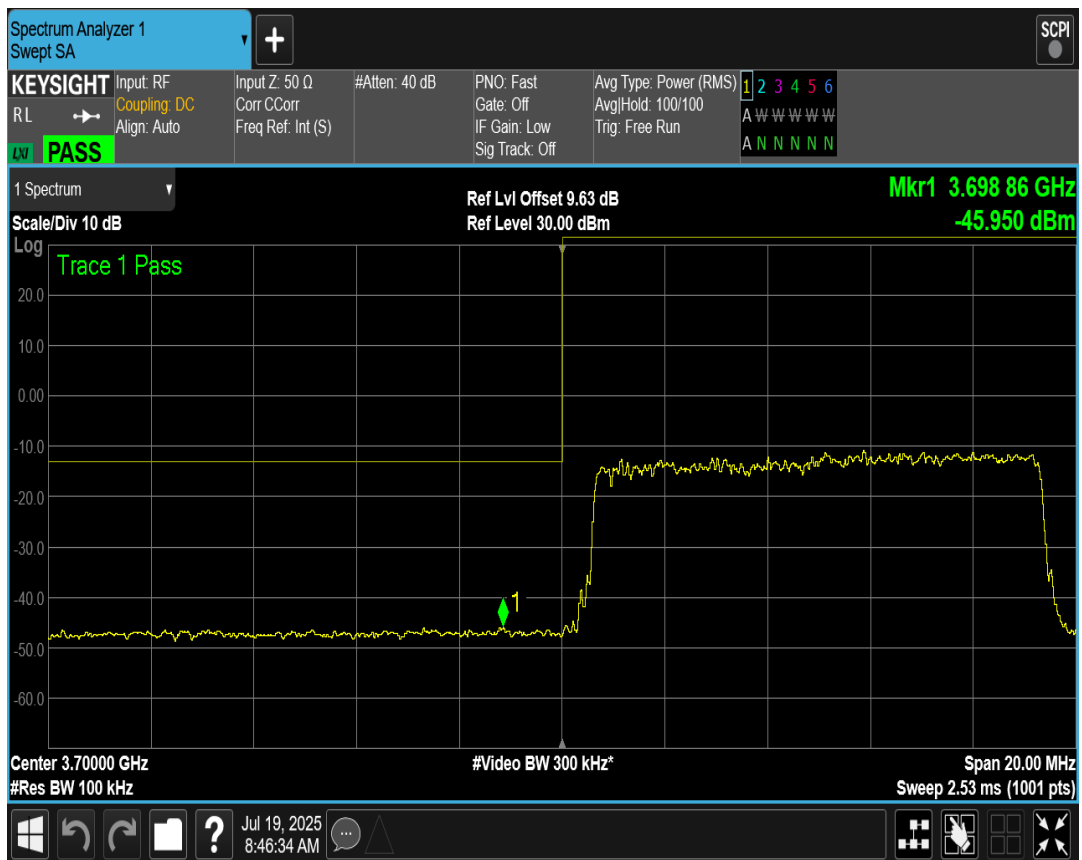
*n78(3700-3800) SCS=30kHz CP\_QPSK BW=10MHz Channel=647000 RB=1@0*



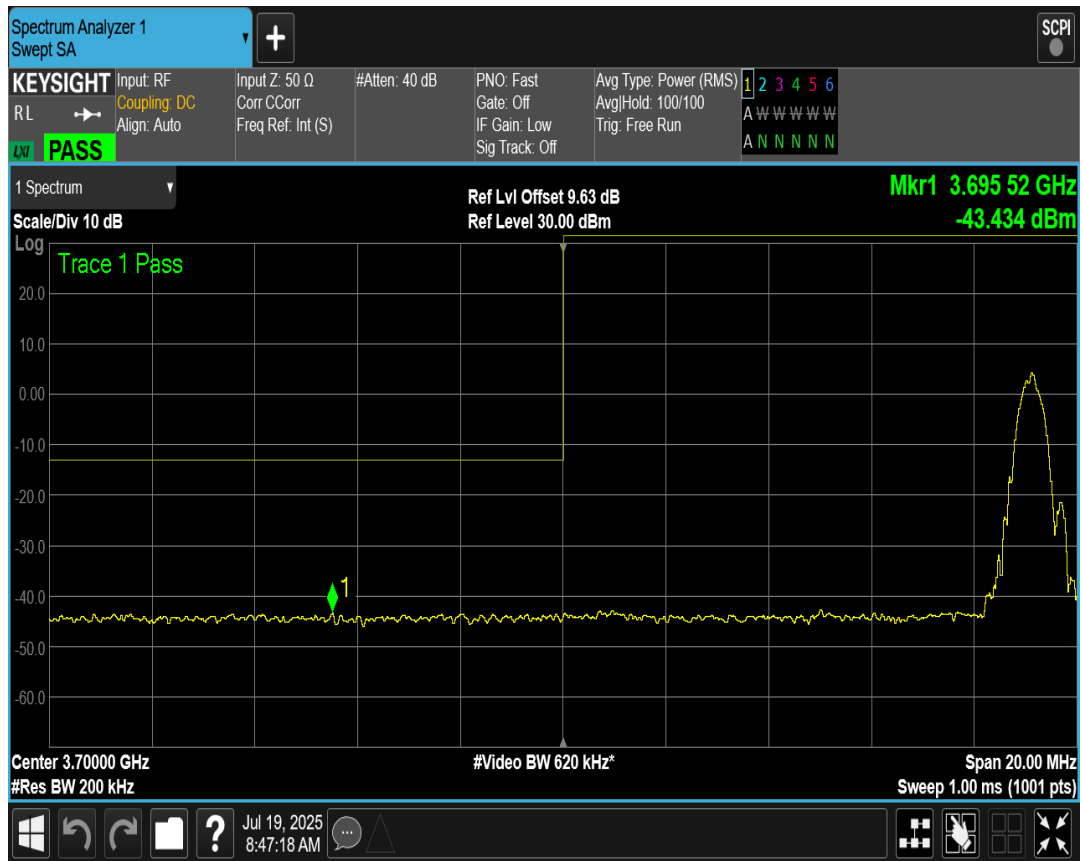
*n78(3700-3800) SCS=30kHz CP\_QPSK BW=100MHz Channel=650000 RB=273@0*



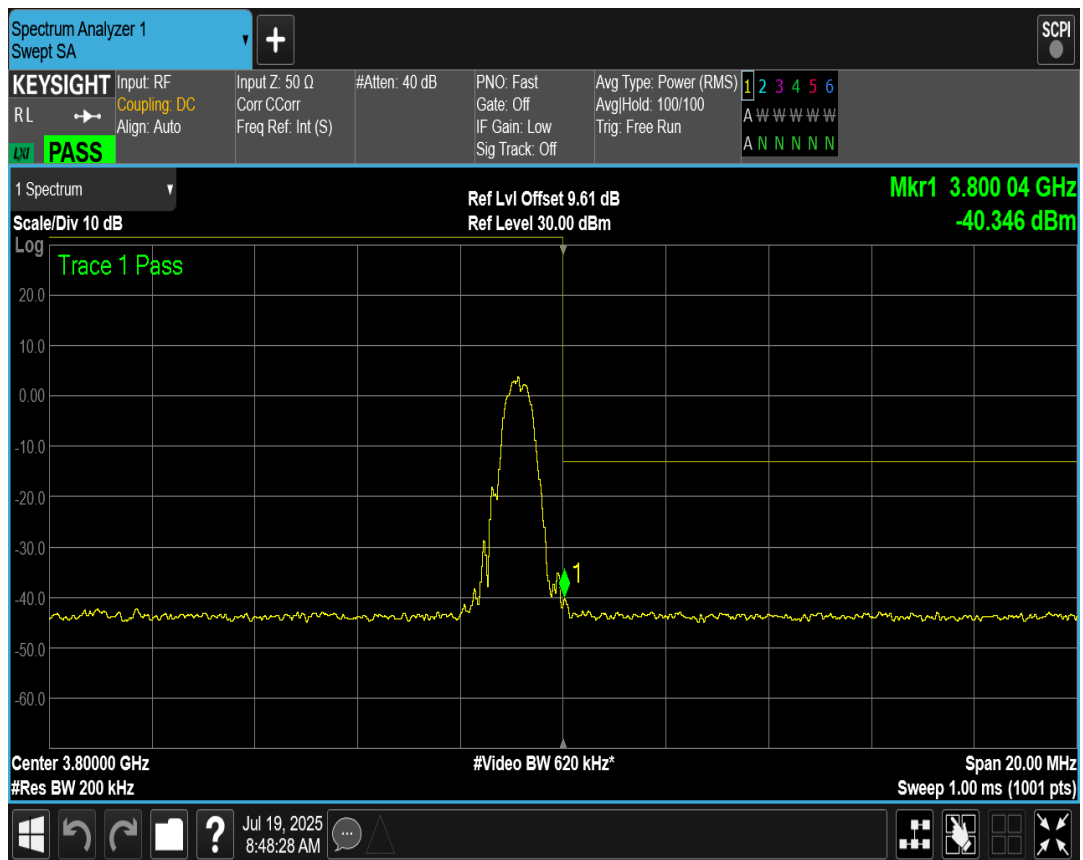
*n78(3700-3800) SCS=30kHz CP\_QPSK BW=10MHz Channel=647000 RB=24@0*



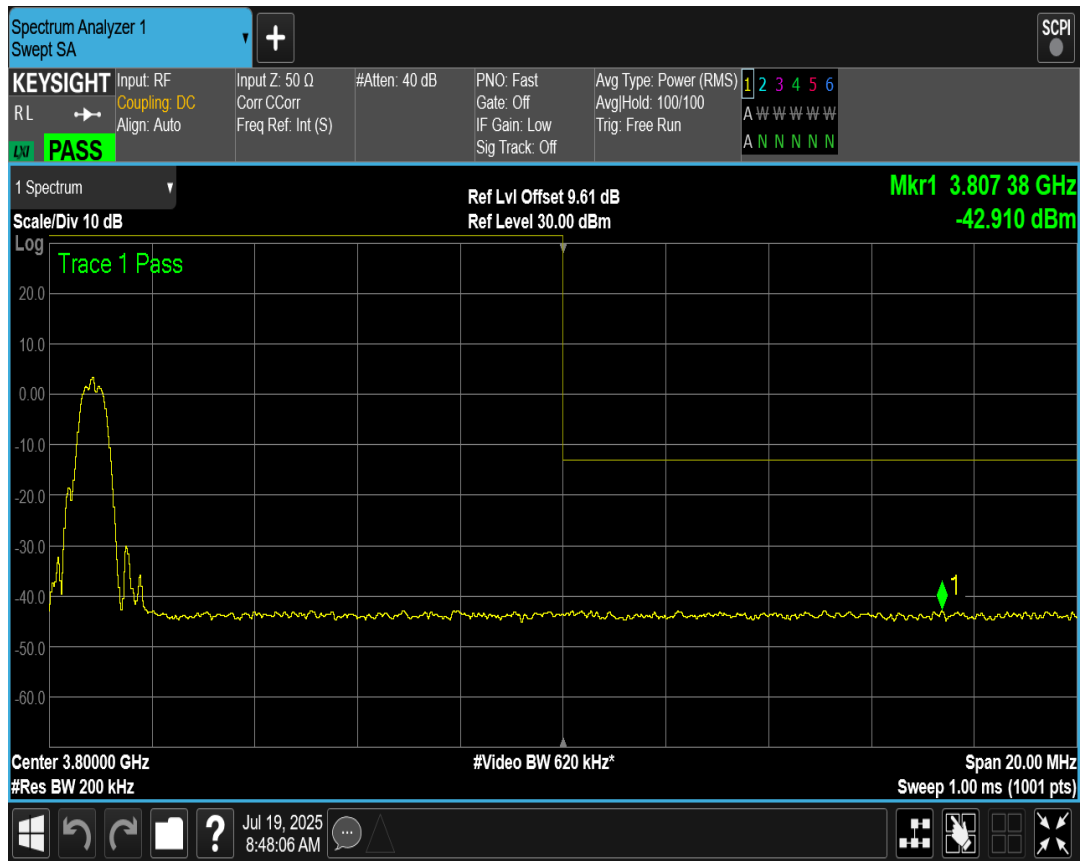
*n78(3700-3800) SCS=30kHz CP\_QPSK BW=10MHz Channel=647000 RB=1@23*



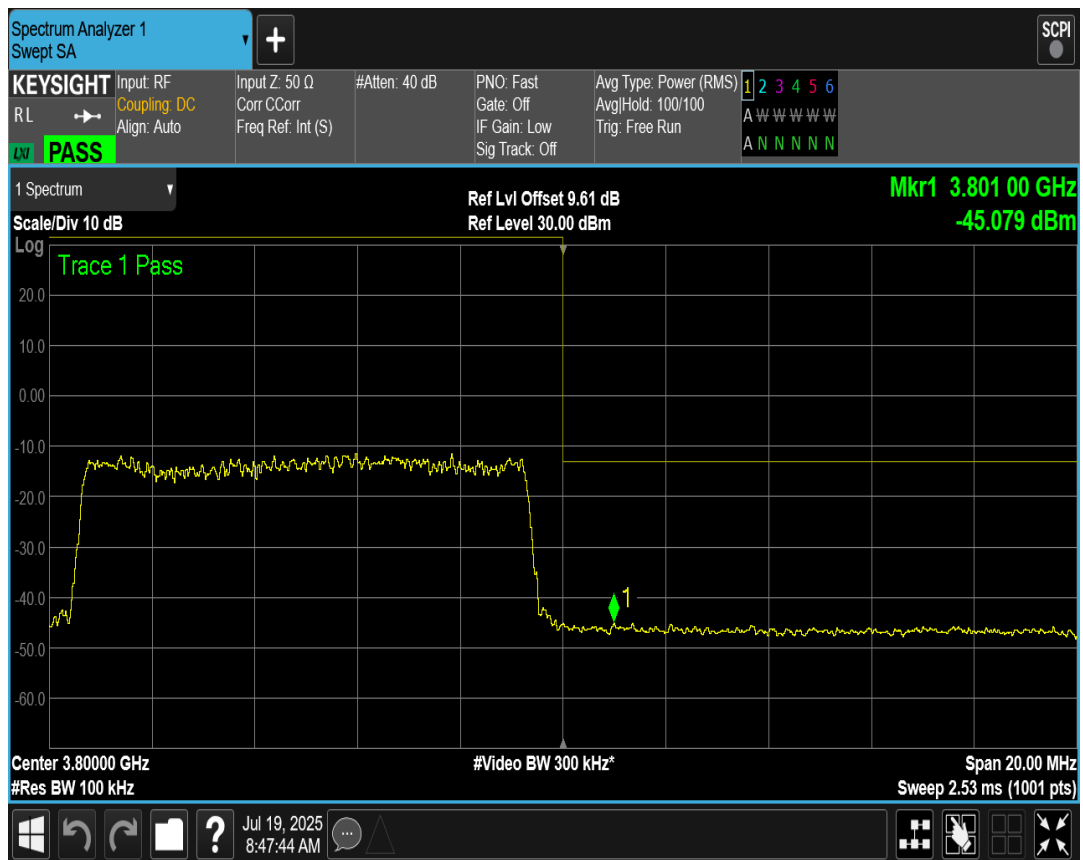
*n78(3700-3800) SCS=30kHz CP\_QPSK BW=10MHz Channel=653000 RB=1@23*



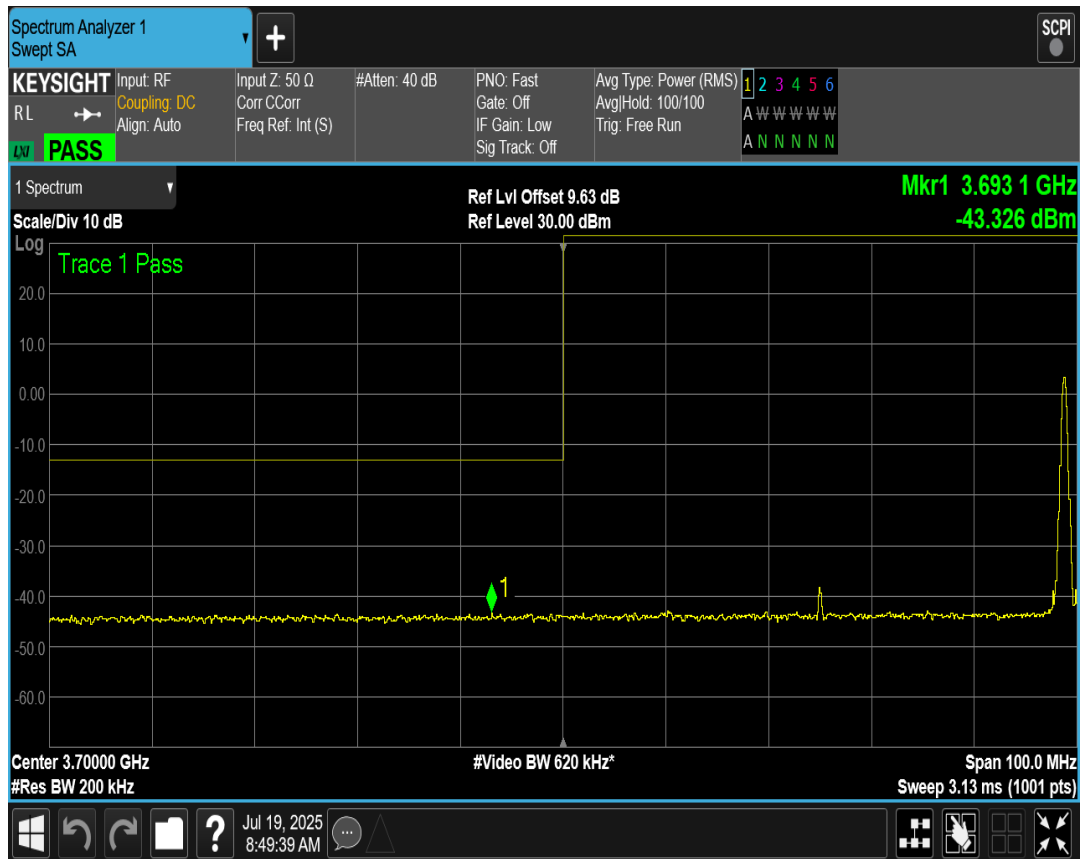
*n78(3700-3800) SCS=30kHz CP\_QPSK BW=10MHz Channel=653000 RB=1@0*



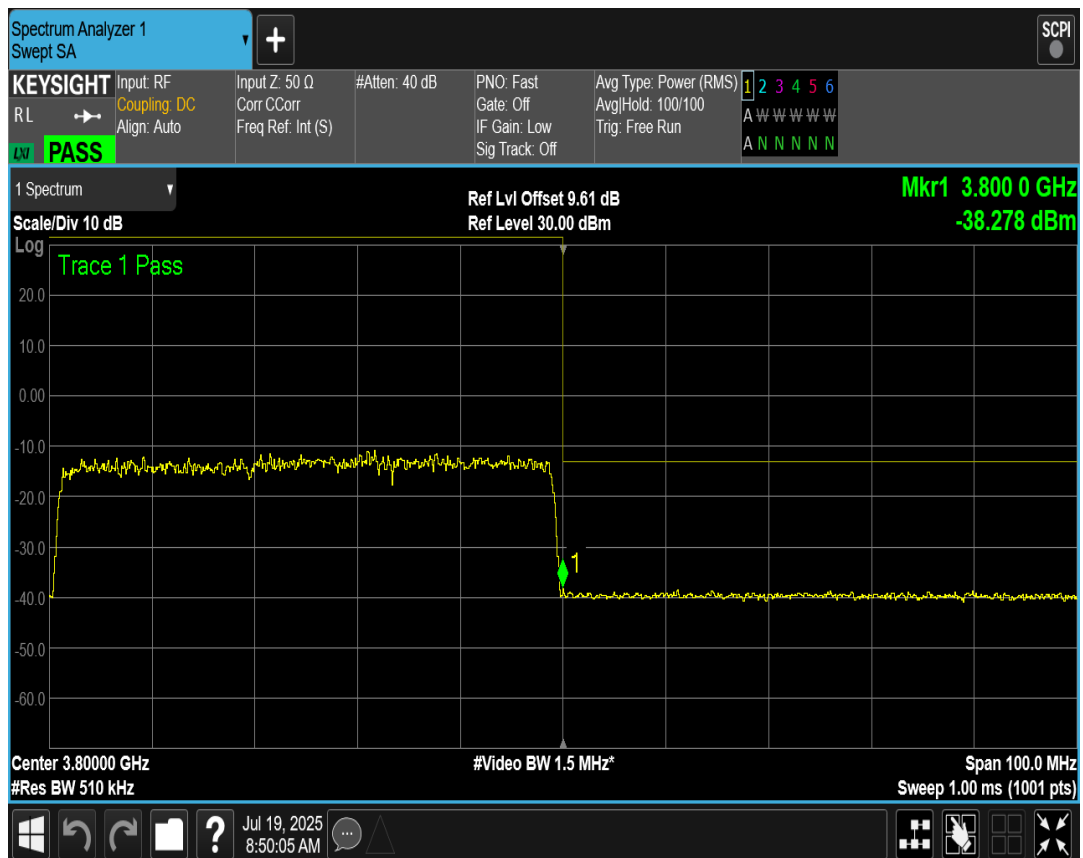
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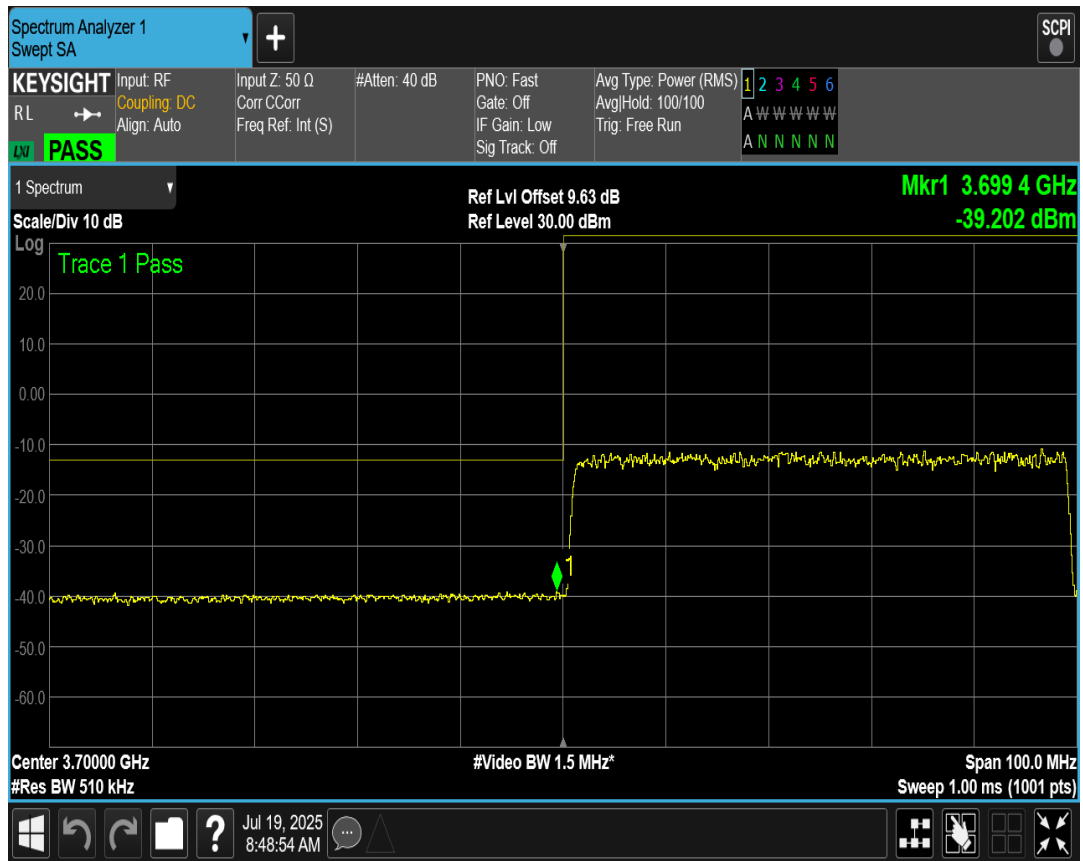
*n78(3700-3800) SCS=30kHz CP\_QPSK BW=50MHz Channel=648334 RB=1@132*



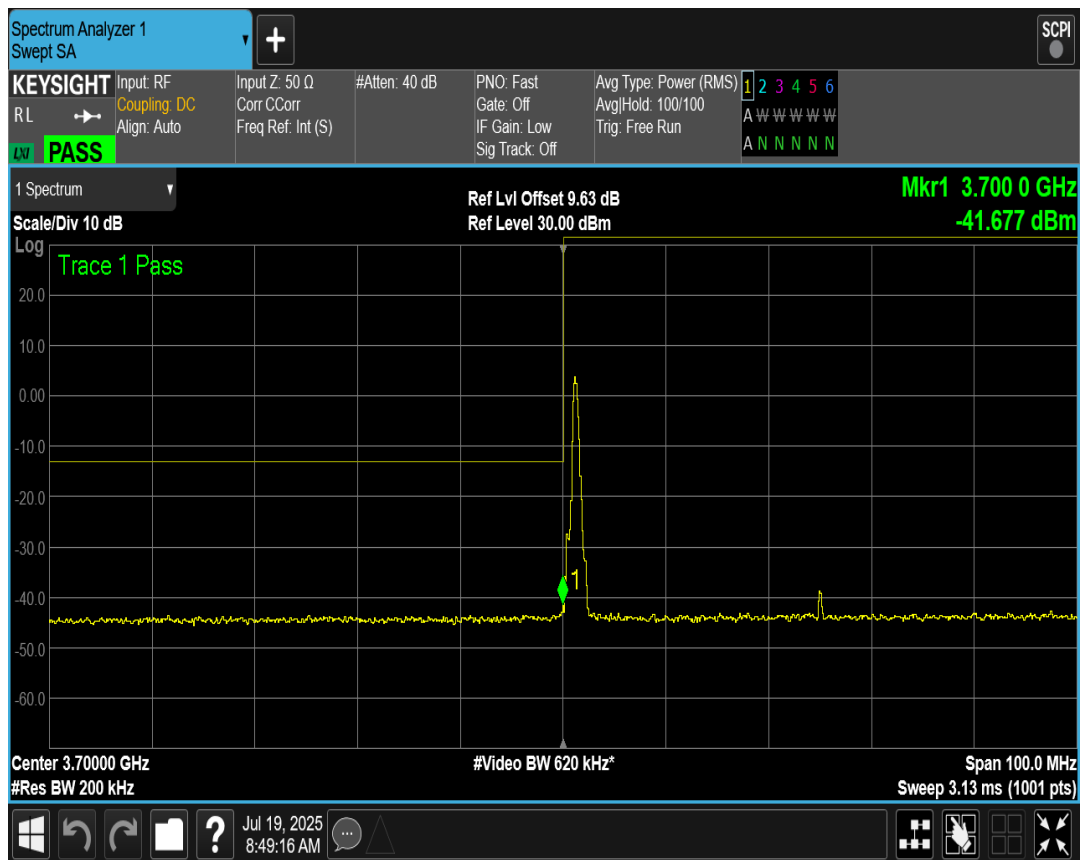
*n78(3700-3800) SCS=30kHz CP\_QPSK BW=50MHz Channel=651666 RB=133@0*



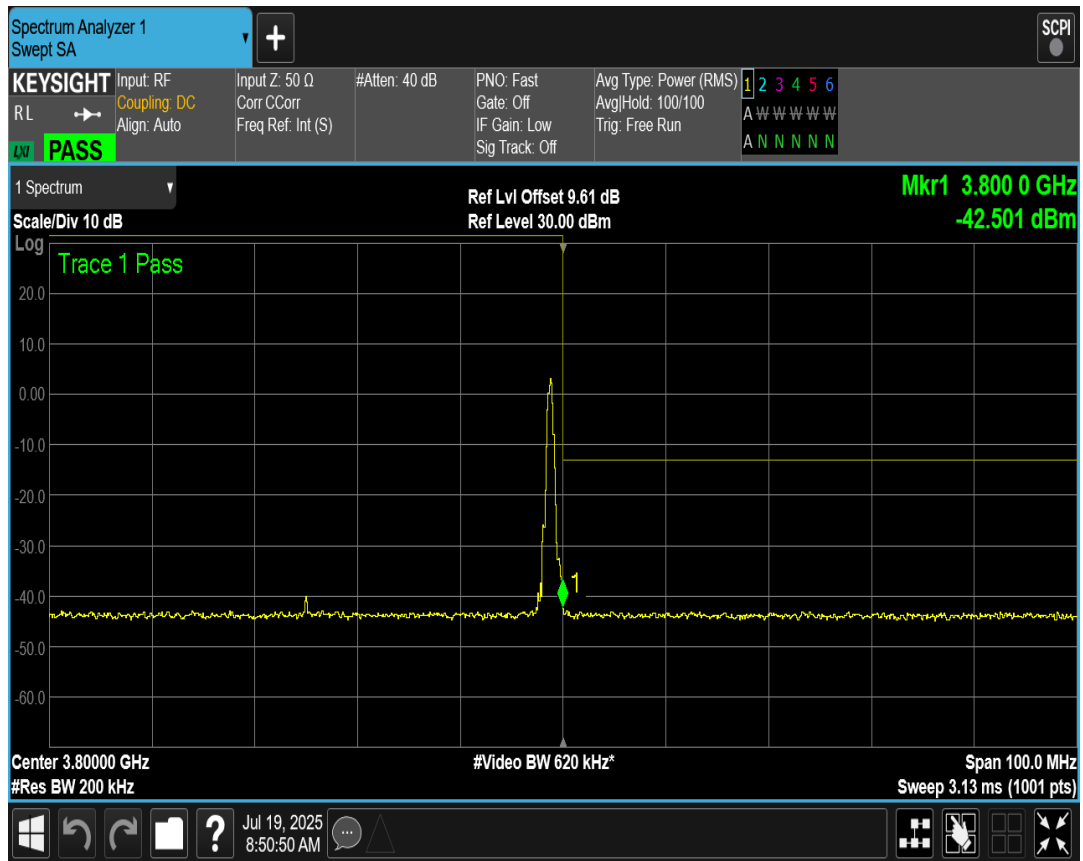
*n78(3700-3800) SCS=30kHz CP\_QPSK BW=50MHz Channel=648334 RB=133@0*



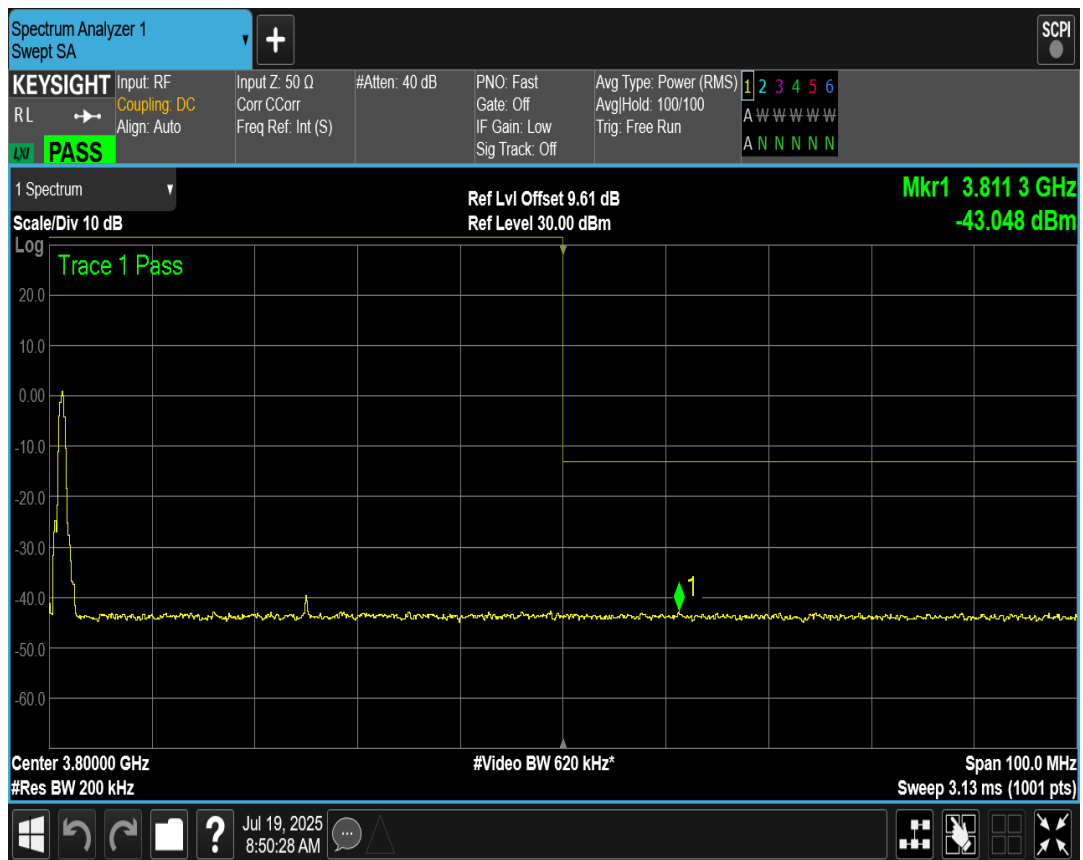
*n78(3700-3800) SCS=30kHz CP\_QPSK BW=50MHz Channel=648334 RB=1@0*



*n78(3700-3800) SCS=30kHz CP\_QPSK BW=50MHz Channel=651666 RB=1@132*



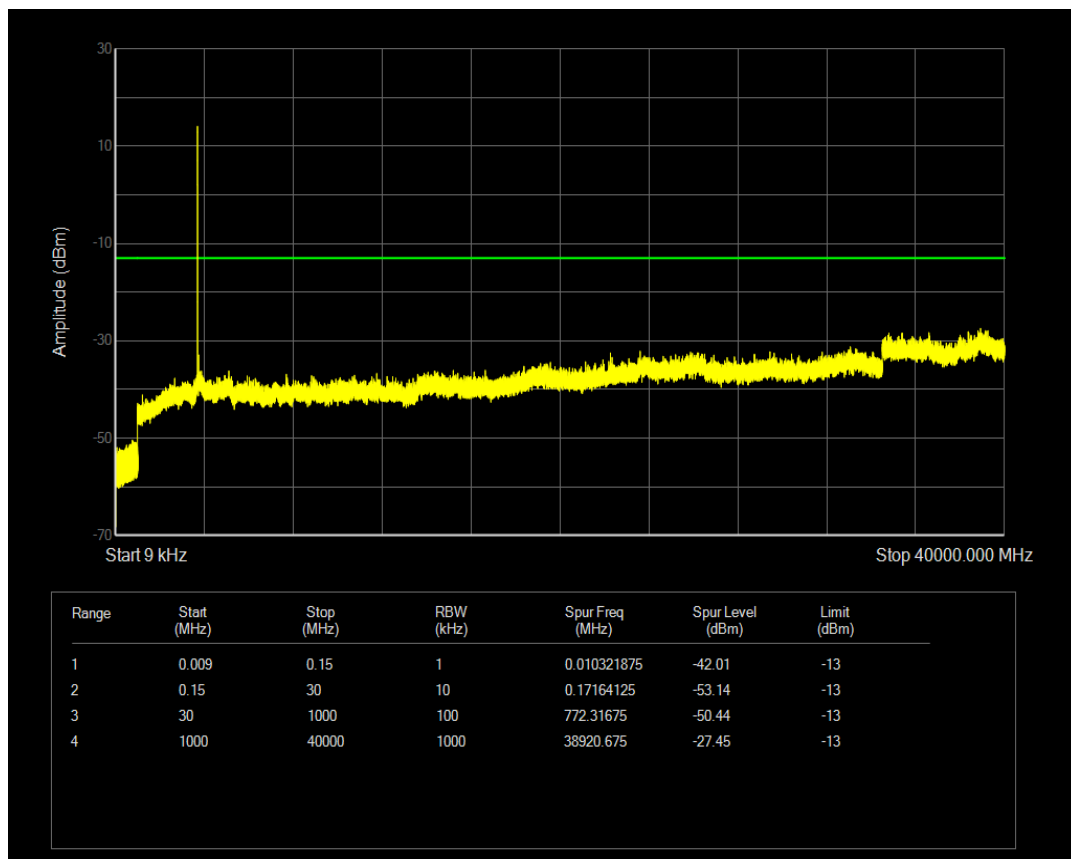
*n78(3700-3800) SCS=30kHz CP\_QPSK BW=50MHz Channel=651666 RB=1@0*



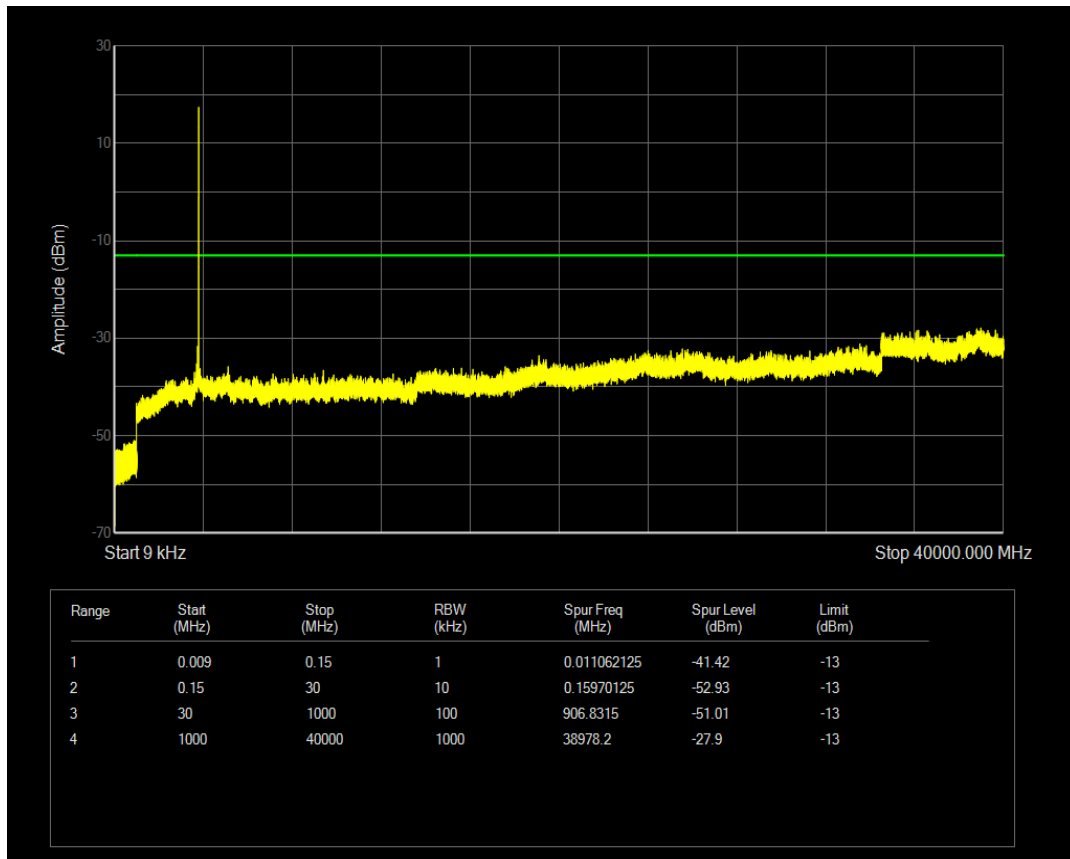
## 6 Out-of-band emissions for NR FR1

| Band           | SCS<br>(kHz) | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Allocation | Modulation | Spur<br>Freq<br>(MHz) | Spur<br>Level<br>(dBm) | Limit<br>(dBm) | Verdict |
|----------------|--------------|--------------------|---------------|------------------|------------|-----------------------|------------------------|----------------|---------|
| n78(3700-3800) | 30           | 10                 | 647000        | 24@0             | CP_QPSK    | 38866.08              | -27.56                 | -13            | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 1@0              | CP_QPSK    | 37914.48              | -27.07                 | -13            | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 1@23             | CP_QPSK    | 38894.35              | -27.96                 | -13            | PASS    |
| n78(3700-3800) | 30           | 10                 | 653000        | 24@0             | CP_QPSK    | 38925.55              | -27.64                 | -13            | PASS    |
| n78(3700-3800) | 30           | 10                 | 653000        | 1@0              | CP_QPSK    | 39075.70              | -27.89                 | -13            | PASS    |
| n78(3700-3800) | 30           | 10                 | 653000        | 1@23             | CP_QPSK    | 39097.15              | -27.10                 | -13            | PASS    |
| n78(3700-3800) | 30           | 50                 | 648334        | 133@0            | CP_QPSK    | 38855.35              | -26.54                 | -13            | PASS    |
| n78(3700-3800) | 30           | 50                 | 648334        | 1@0              | CP_QPSK    | 38861.20              | -26.75                 | -13            | PASS    |
| n78(3700-3800) | 30           | 50                 | 648334        | 1@132            | CP_QPSK    | 38846.58              | -27.03                 | -13            | PASS    |
| n78(3700-3800) | 30           | 50                 | 651666        | 133@0            | CP_QPSK    | 39020.13              | -27.73                 | -13            | PASS    |
| n78(3700-3800) | 30           | 50                 | 651666        | 1@0              | CP_QPSK    | 39224.88              | -27.92                 | -13            | PASS    |
| n78(3700-3800) | 30           | 50                 | 651666        | 1@132            | CP_QPSK    | 35454.55              | -27.25                 | -13            | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 273@0            | CP_QPSK    | 38780.28              | -27.51                 | -13            | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 1@0              | CP_QPSK    | 38920.68              | -27.45                 | -13            | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 1@272            | CP_QPSK    | 38978.20              | -27.90                 | -13            | PASS    |

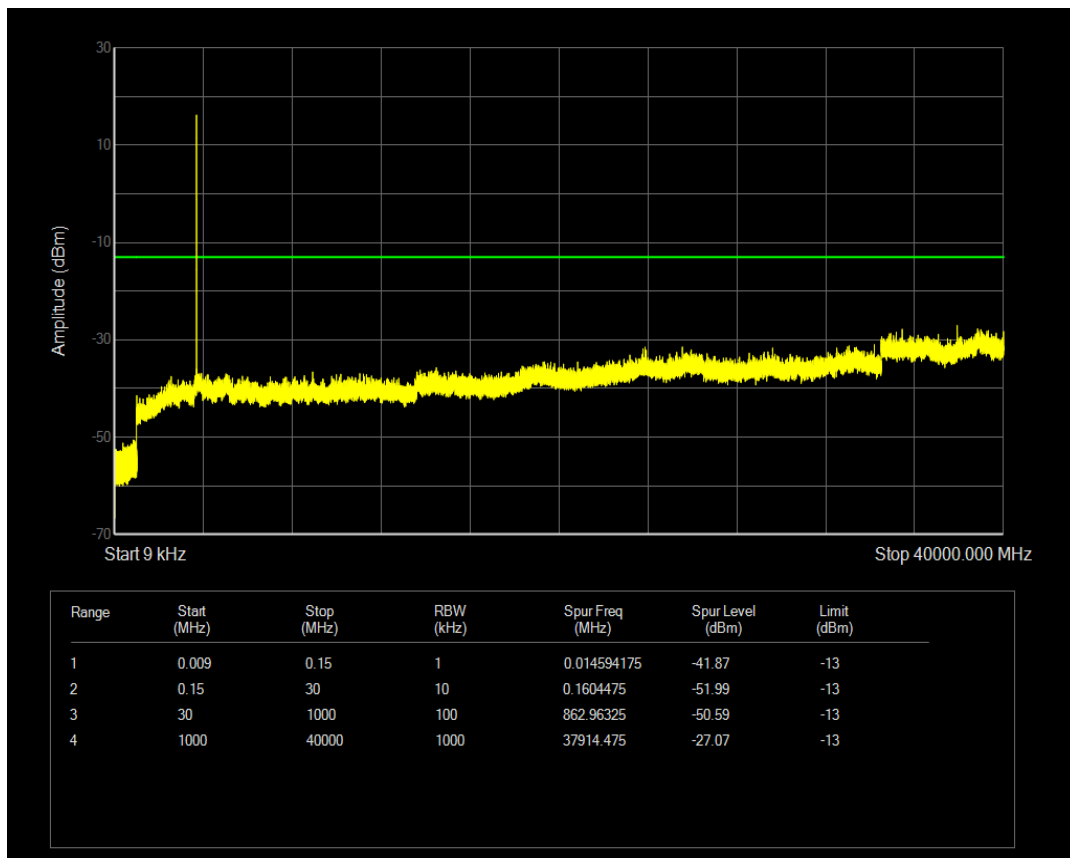
*n78(3700-3800) SCS=30kHz CP\_QPSK BW=100MHz Channel=650000 RB=1@0*



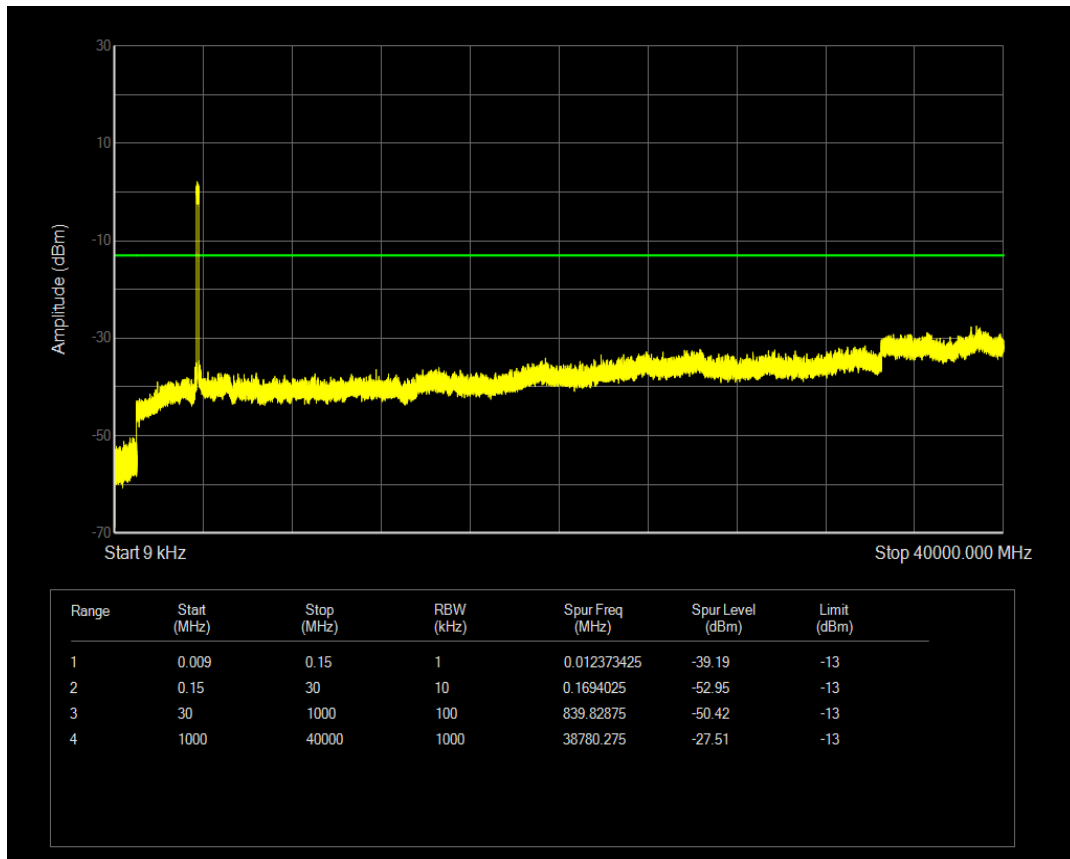
*n78(3700-3800) SCS=30kHz CP\_QPSK BW=100MHz Channel=650000 RB=1@272*



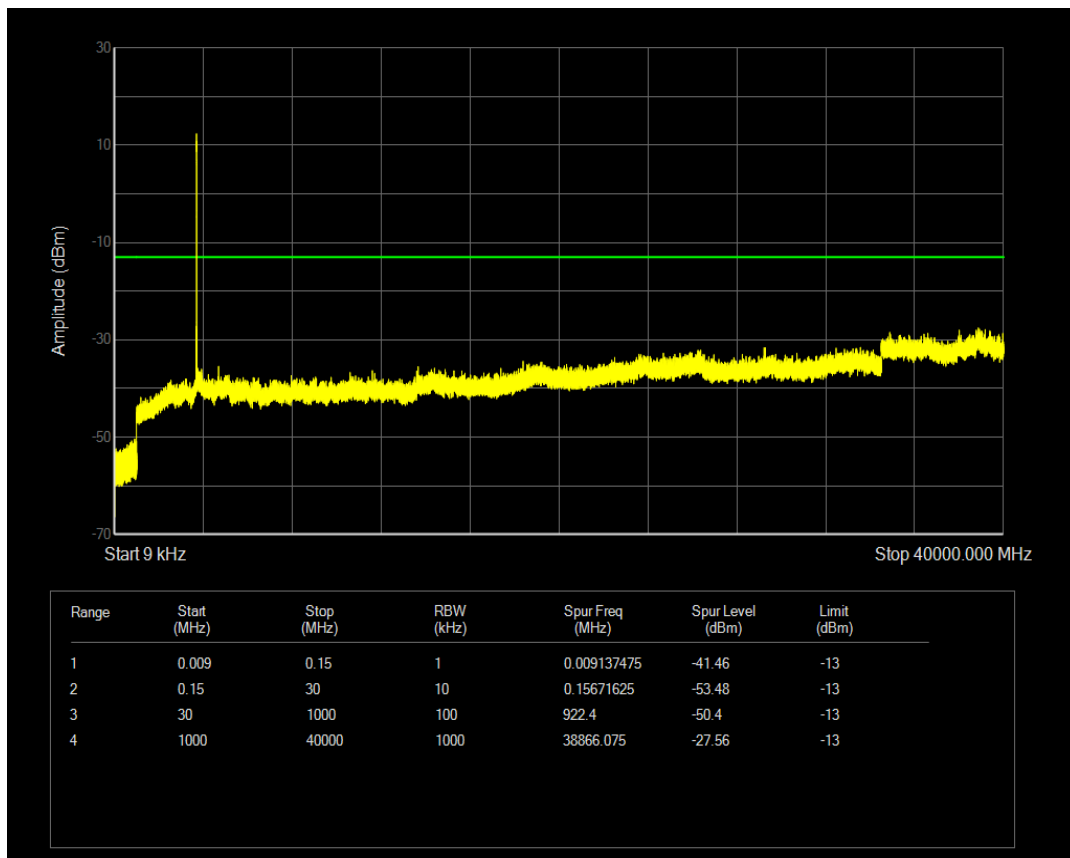
*n78(3700-3800) SCS=30kHz CP\_QPSK BW=10MHz Channel=647000 RB=1@0*



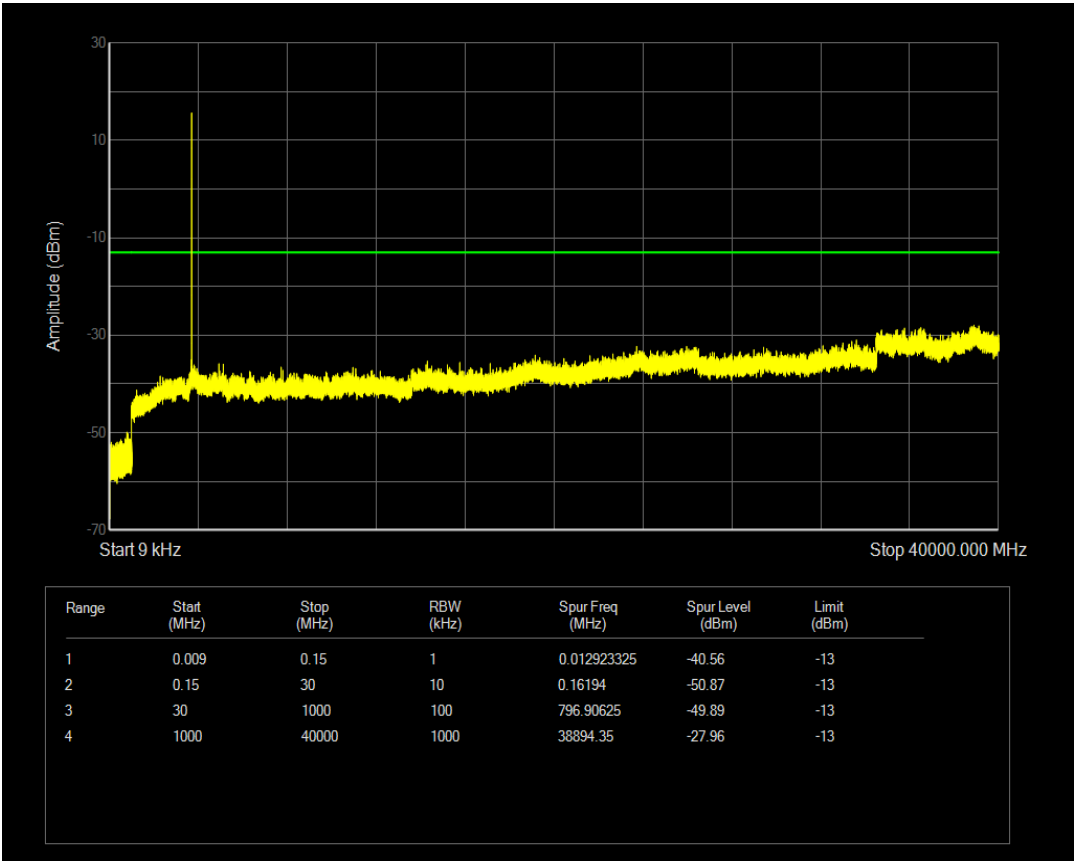
*n78(3700-3800) SCS=30kHz CP\_QPSK BW=100MHz Channel=650000 RB=273@0*



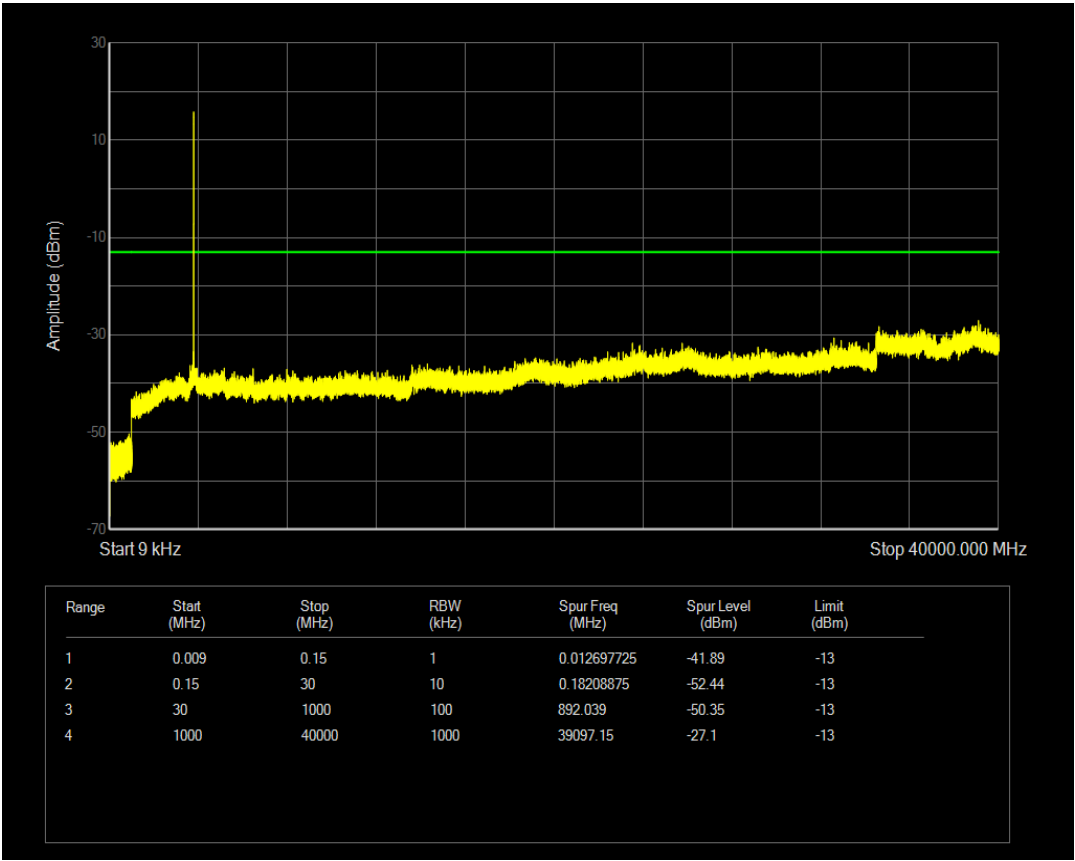
***n78(3700-3800) SCS=30kHz CP\_QPSK BW=10MHz Channel=647000 RB=24@0***



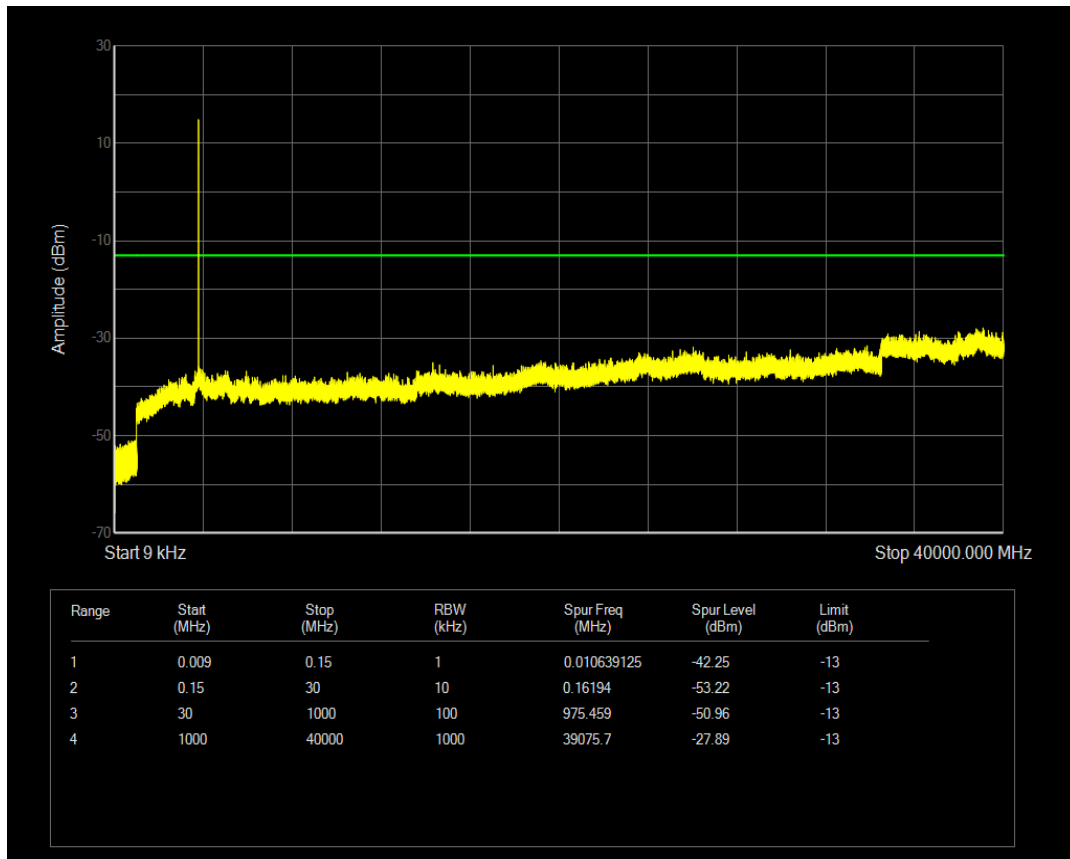
***n78(3700-3800) SCS=30kHz CP\_QPSK BW=10MHz Channel=647000 RB=1@23***



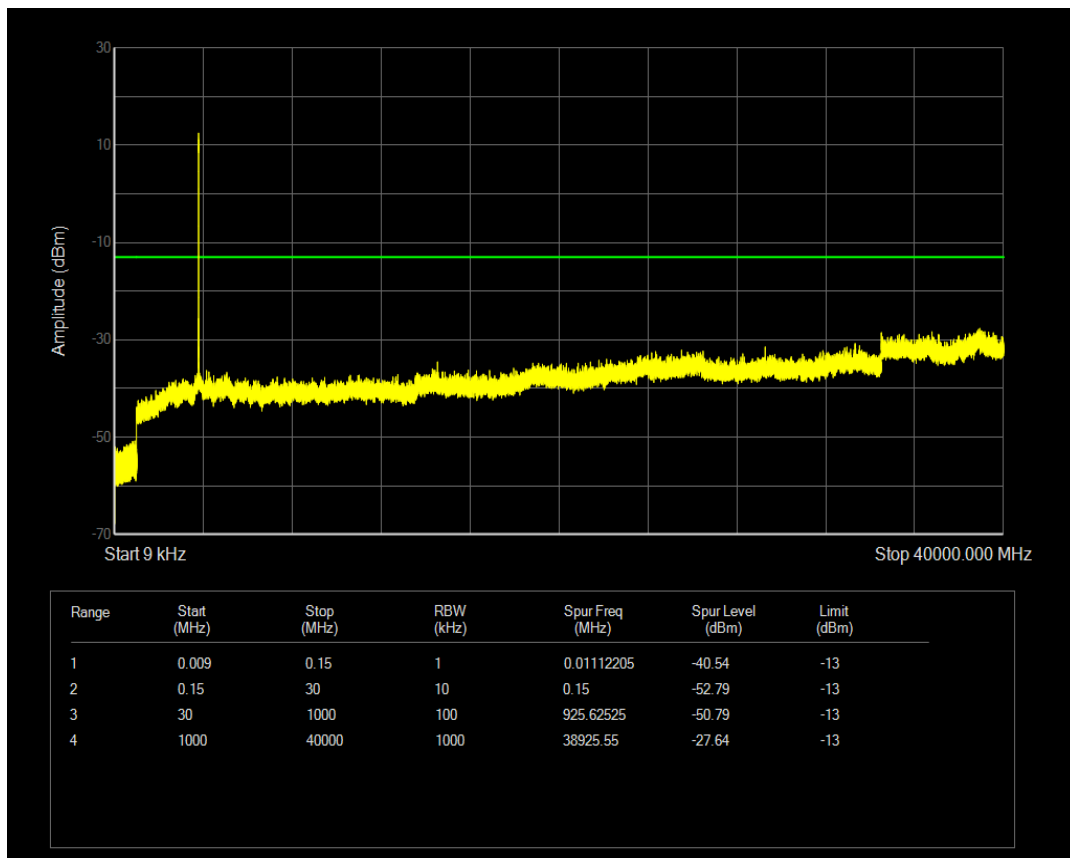
*n78(3700-3800) SCS=30kHz CP\_QPSK BW=10MHz Channel=653000 RB=1@23*



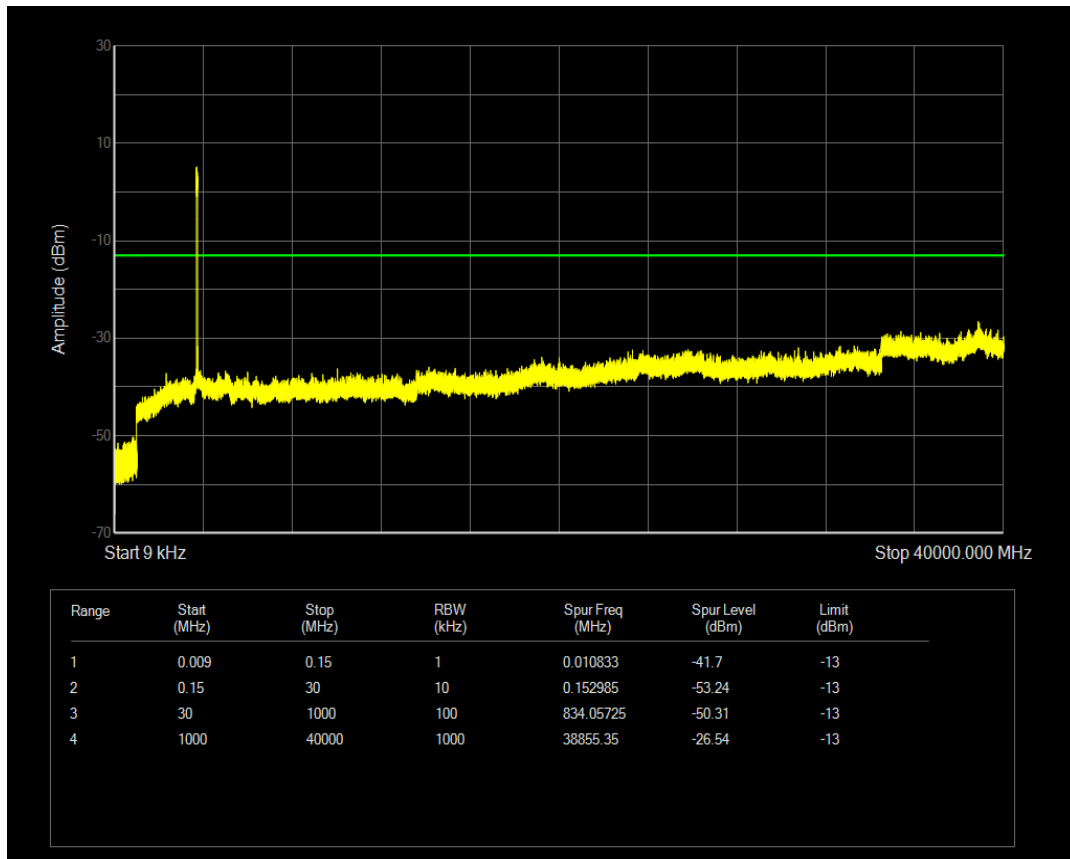
*n78(3700-3800) SCS=30kHz CP\_QPSK BW=10MHz Channel=653000 RB=1@0*



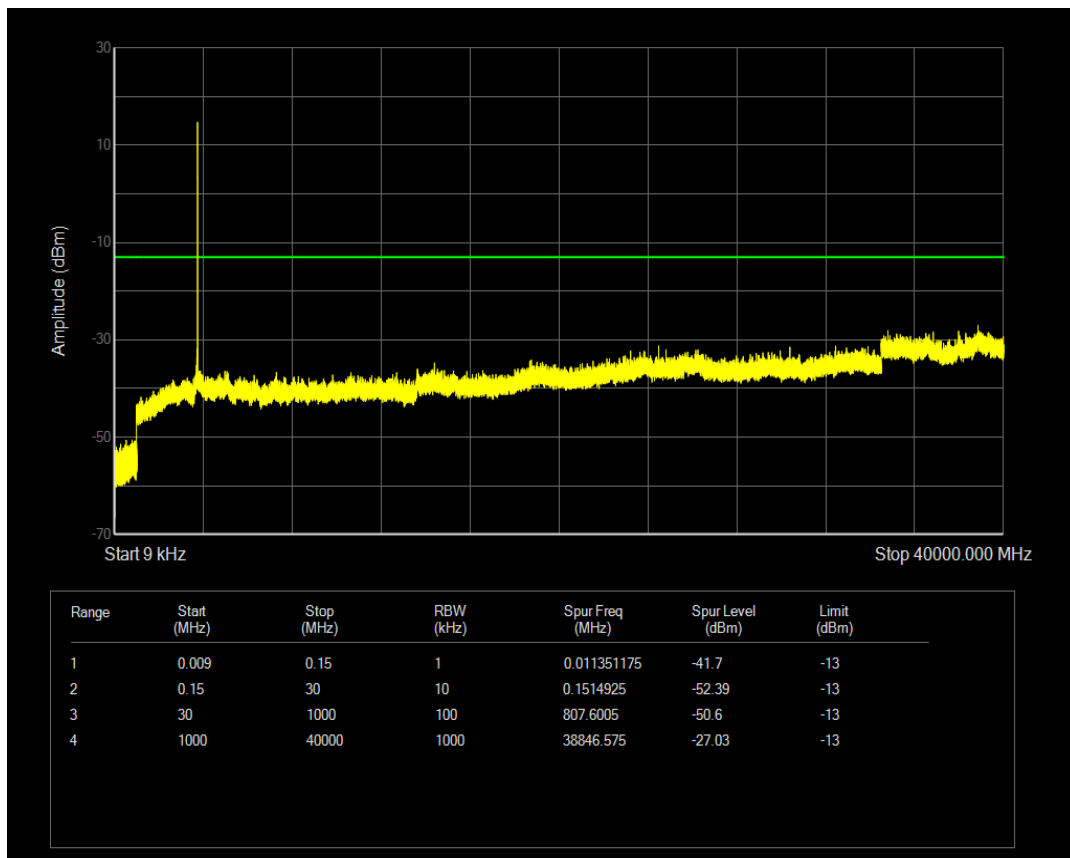
*n78(3700-3800) SCS=30kHz CP\_QPSK BW=10MHz Channel=653000 RB=24@0*



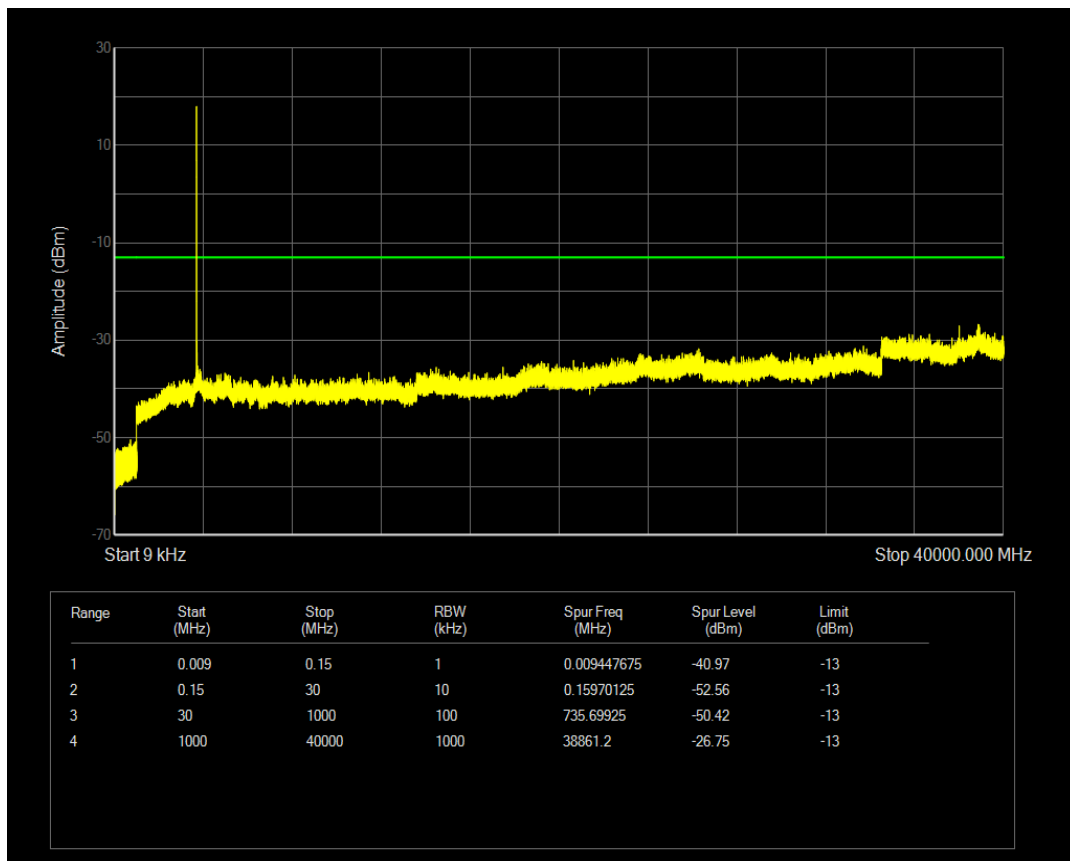
*n78(3700-3800) SCS=30kHz CP\_QPSK BW=50MHz Channel=648334 RB=133@0*



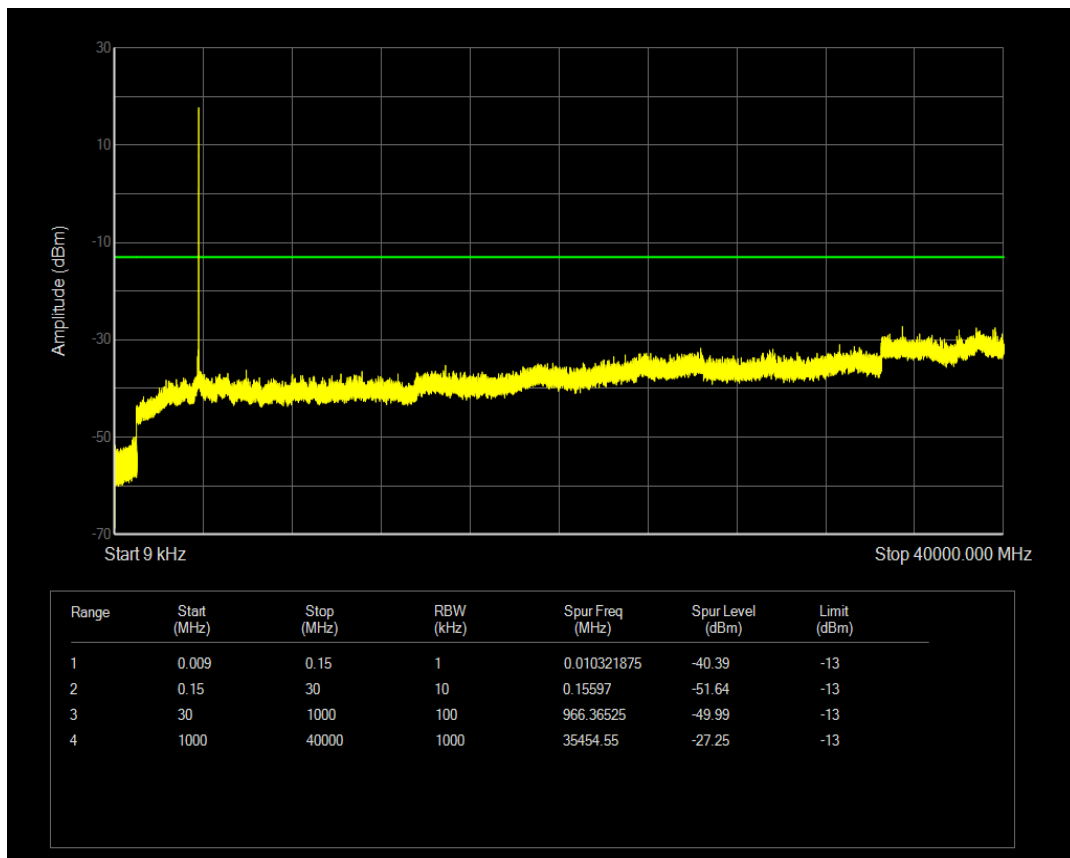
***n78(3700-3800) SCS=30kHz CP\_QPSK BW=50MHz Channel=648334 RB=1@132***



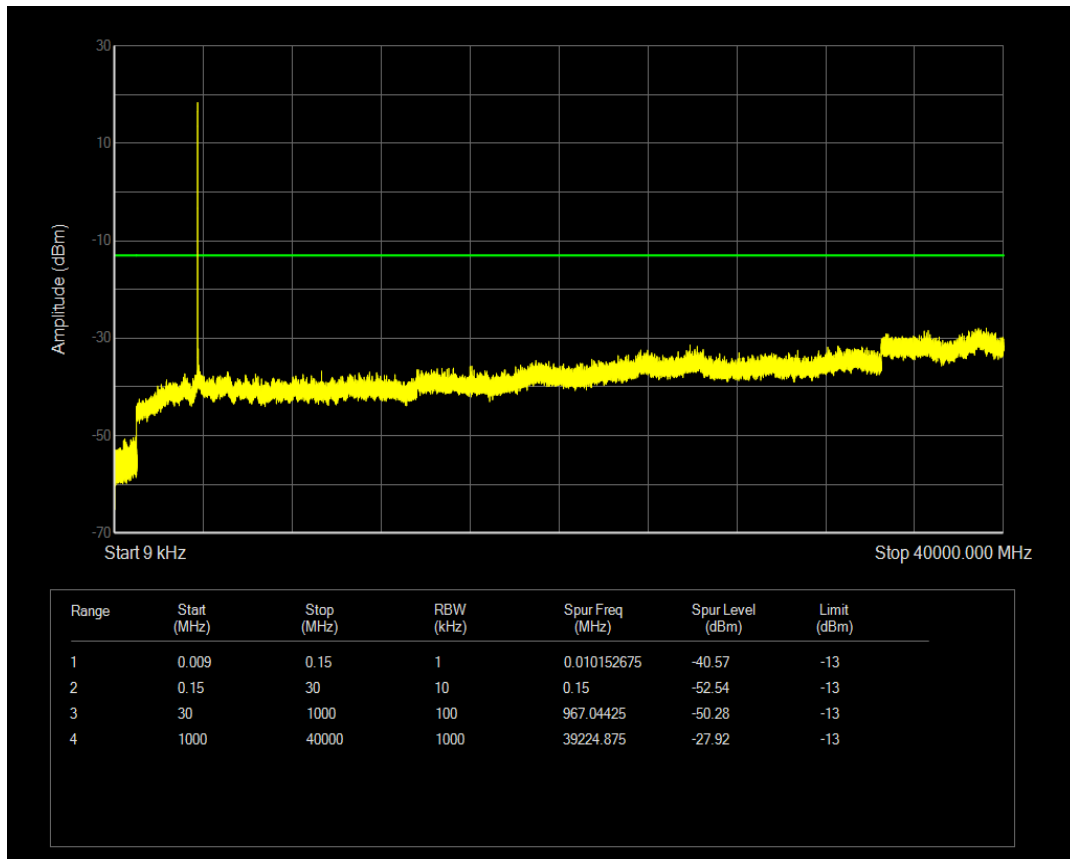
***n78(3700-3800) SCS=30kHz CP\_QPSK BW=50MHz Channel=648334 RB=1@0***



*n78(3700-3800) SCS=30kHz CP\_QPSK BW=50MHz Channel=651666 RB=1@132*



*n78(3700-3800) SCS=30kHz CP\_QPSK BW=50MHz Channel=651666 RB=1@0*



*n78(3700-3800) SCS=30kHz CP\_QPSK BW=50MHz Channel=651666 RB=133@0*

