



n66 SCS=15kHz DFT\_QAM256 BW=40MHz Channel=349000 RB=216@0



n66 SCS=15kHz DFT\_QAM256 BW=5MHz Channel=349000 RB=25@0



**n66 SCS=15kHz DFT\_QAM64 BW=10MHz Channel=349000 RB=50@0**



**n66 SCS=15kHz DFT\_QAM64 BW=20MHz Channel=349000 RB=100@0**



**n66 SCS=15kHz DFT\_QAM64 BW=15MHz Channel=349000 RB=75@0**



**n66 SCS=15kHz DFT\_QAM64 BW=40MHz Channel=349000 RB=216@0**



**n66 SCS=15kHz DFT\_QAM64 BW=5MHz Channel=349000 RB=25@0**



**n66 SCS=15kHz DFT\_QPSK BW=10MHz Channel=349000 RB=50@0**



***n66 SCS=15kHz DFT\_QPSK BW=15MHz Channel=349000 RB=75@0***



***n66 SCS=15kHz DFT\_QPSK BW=20MHz Channel=349000 RB=100@0***



**n66 SCS=15kHz DFT\_QPSK BW=40MHz Channel=349000 RB=216@0**



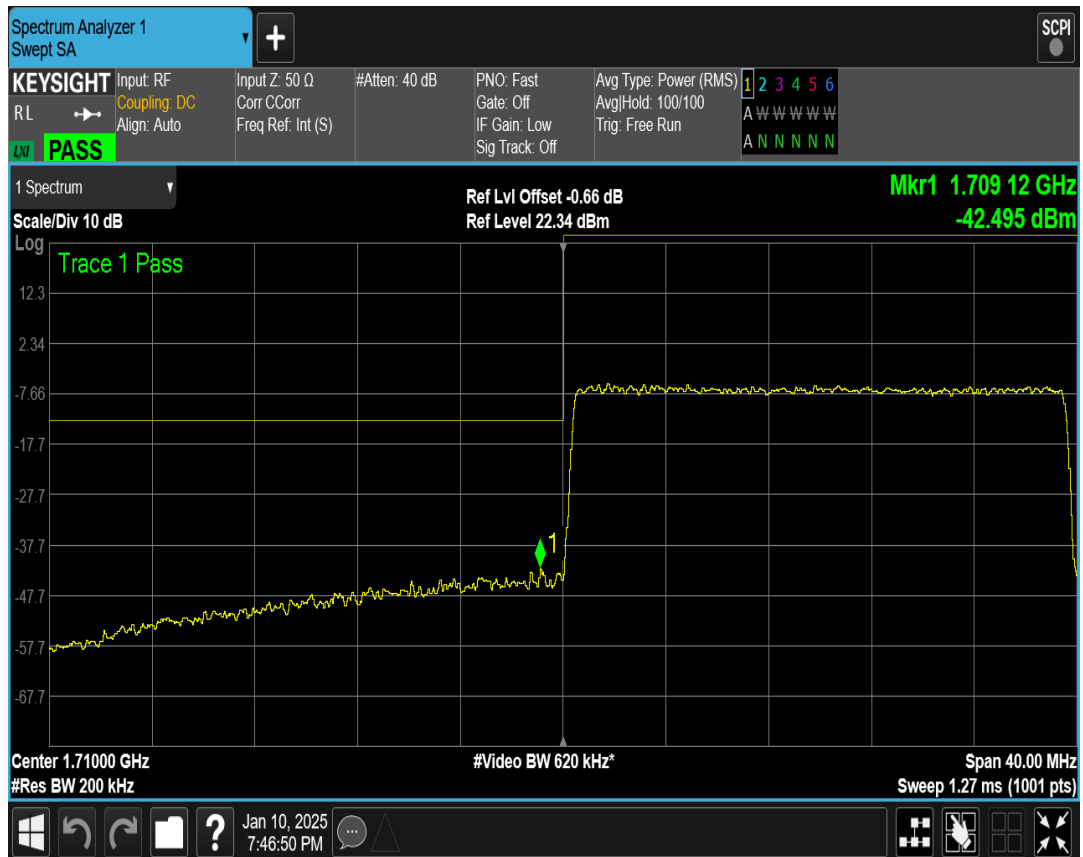
**n66 SCS=15kHz DFT\_QPSK BW=5MHz Channel=349000 RB=25@0**



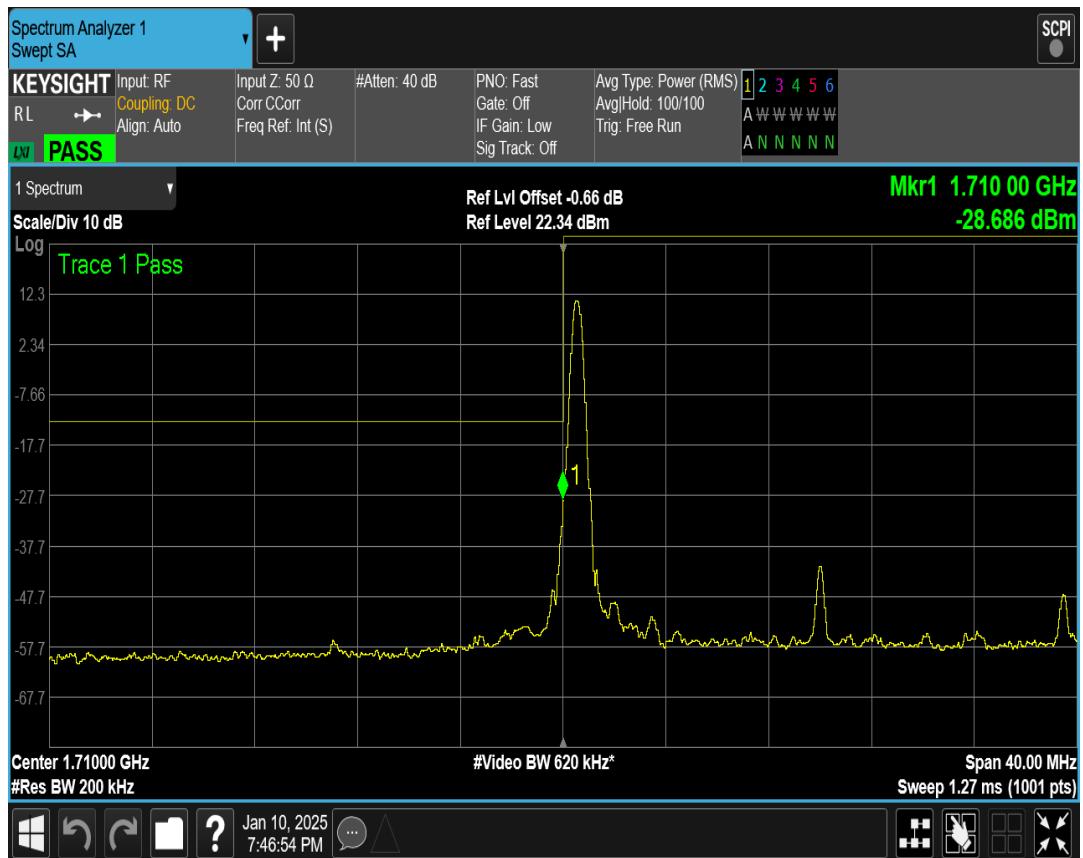
## 5 Band edge for NR FR1

| Band | SCS (kHz) | Bandwidth (MHz) | UL Channel | RB Allocation | Modulation | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|------|-----------|-----------------|------------|---------------|------------|-----------------|------------------|-------------|---------|
| n66  | 15        | 5               | 342500     | 25@0          | CP_QPSK    | 1709.98         | -34.54           | -13         | PASS    |
| n66  | 15        | 5               | 342500     | 1@0           | CP_QPSK    | 1710.00         | -13.44           | -13         | PASS    |
| n66  | 15        | 5               | 342500     | 1@24          | CP_QPSK    | 1709.66         | -52.30           | -13         | PASS    |
| n66  | 15        | 5               | 355500     | 25@0          | CP_QPSK    | 1780.00         | -43.04           | -13         | PASS    |
| n66  | 15        | 5               | 355500     | 1@0           | CP_QPSK    | 1782.63         | -52.33           | -13         | PASS    |
| n66  | 15        | 5               | 355500     | 1@24          | CP_QPSK    | 1780.00         | -16.31           | -13         | PASS    |
| n66  | 15        | 20              | 344000     | 106@0         | CP_QPSK    | 1709.12         | -42.49           | -13         | PASS    |
| n66  | 15        | 20              | 344000     | 1@0           | CP_QPSK    | 1710.00         | -28.68           | -13         | PASS    |
| n66  | 15        | 20              | 344000     | 1@105         | CP_QPSK    | 1700.20         | -51.89           | -13         | PASS    |
| n66  | 15        | 20              | 354000     | 106@0         | CP_QPSK    | 1780.04         | -43.30           | -13         | PASS    |
| n66  | 15        | 20              | 354000     | 1@0           | CP_QPSK    | 1789.80         | -51.88           | -13         | PASS    |
| n66  | 15        | 20              | 354000     | 1@105         | CP_QPSK    | 1780.00         | -35.16           | -13         | PASS    |
| n66  | 15        | 40              | 346000     | 216@0         | CP_QPSK    | 1710.00         | -36.12           | -13         | PASS    |
| n66  | 15        | 40              | 346000     | 1@0           | CP_QPSK    | 1710.00         | -33.97           | -13         | PASS    |
| n66  | 15        | 40              | 346000     | 1@215         | CP_QPSK    | 1702.64         | -53.07           | -13         | PASS    |
| n66  | 15        | 40              | 352000     | 216@0         | CP_QPSK    | 1780.00         | -33.54           | -13         | PASS    |
| n66  | 15        | 40              | 352000     | 1@0           | CP_QPSK    | 1787.36         | -54.23           | -13         | PASS    |
| n66  | 15        | 40              | 352000     | 1@215         | CP_QPSK    | 1780.00         | -24.42           | -13         | PASS    |

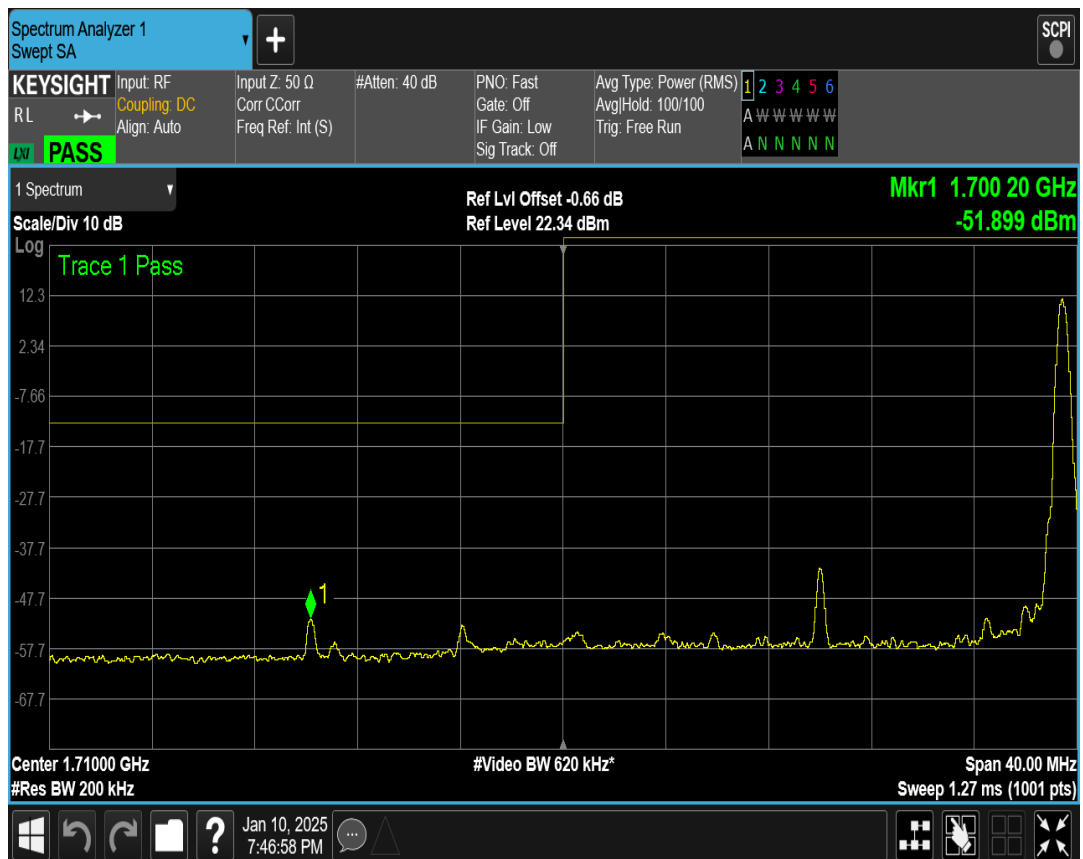
n66 SCS=15kHz CP\_QPSK BW=20MHz Channel=344000 RB=106@0



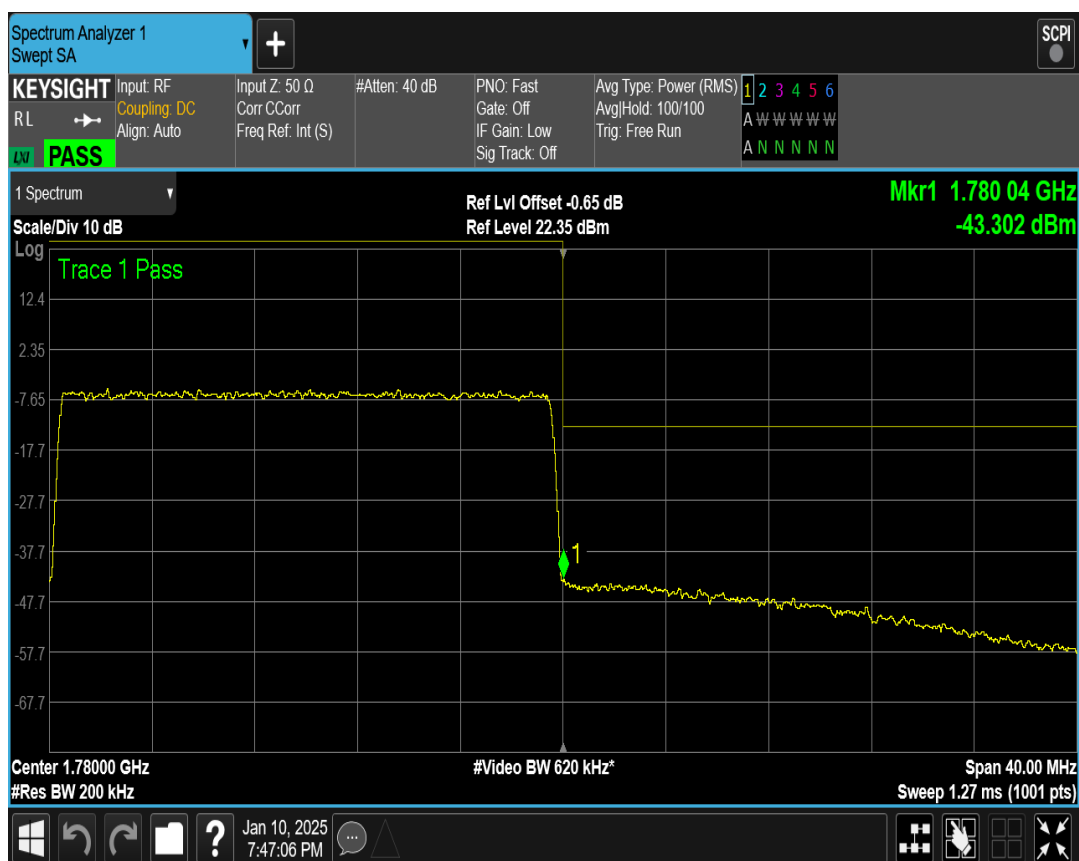
n66 SCS=15kHz CP\_QPSK BW=20MHz Channel=344000 RB=1@0



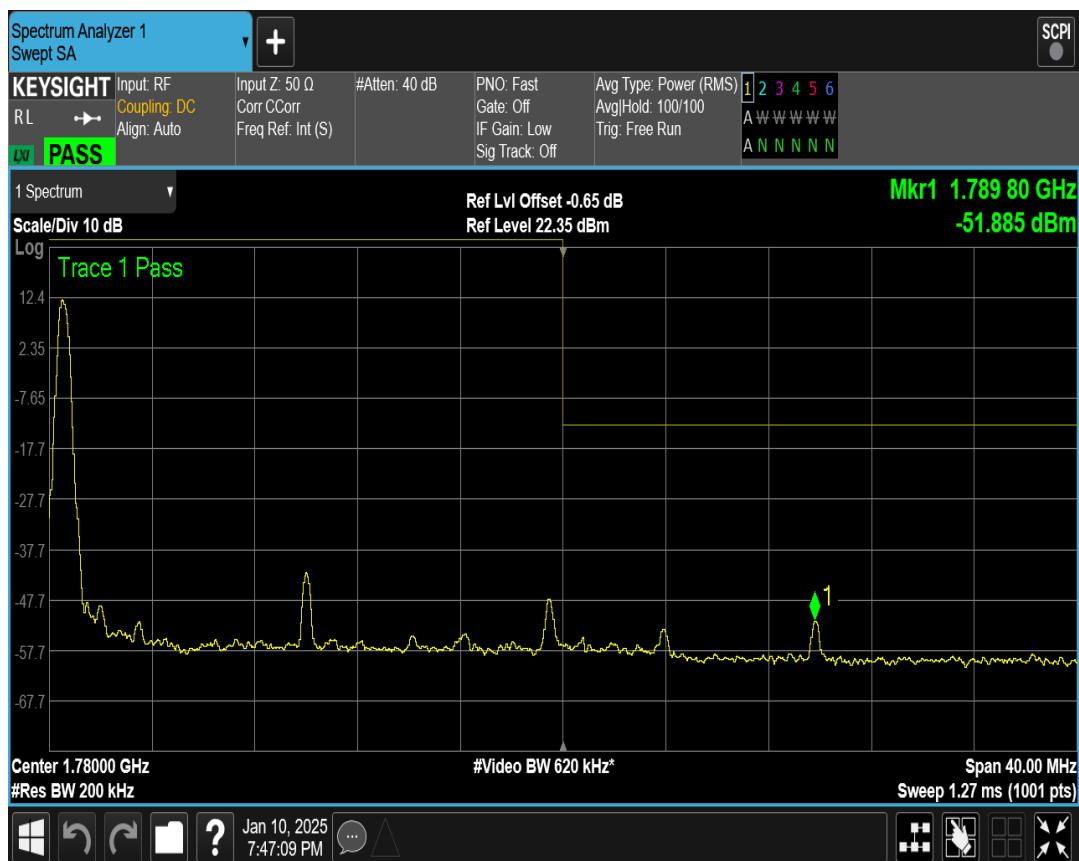
n66 SCS=15kHz CP\_QPSK BW=20MHz Channel=344000 RB=1@105



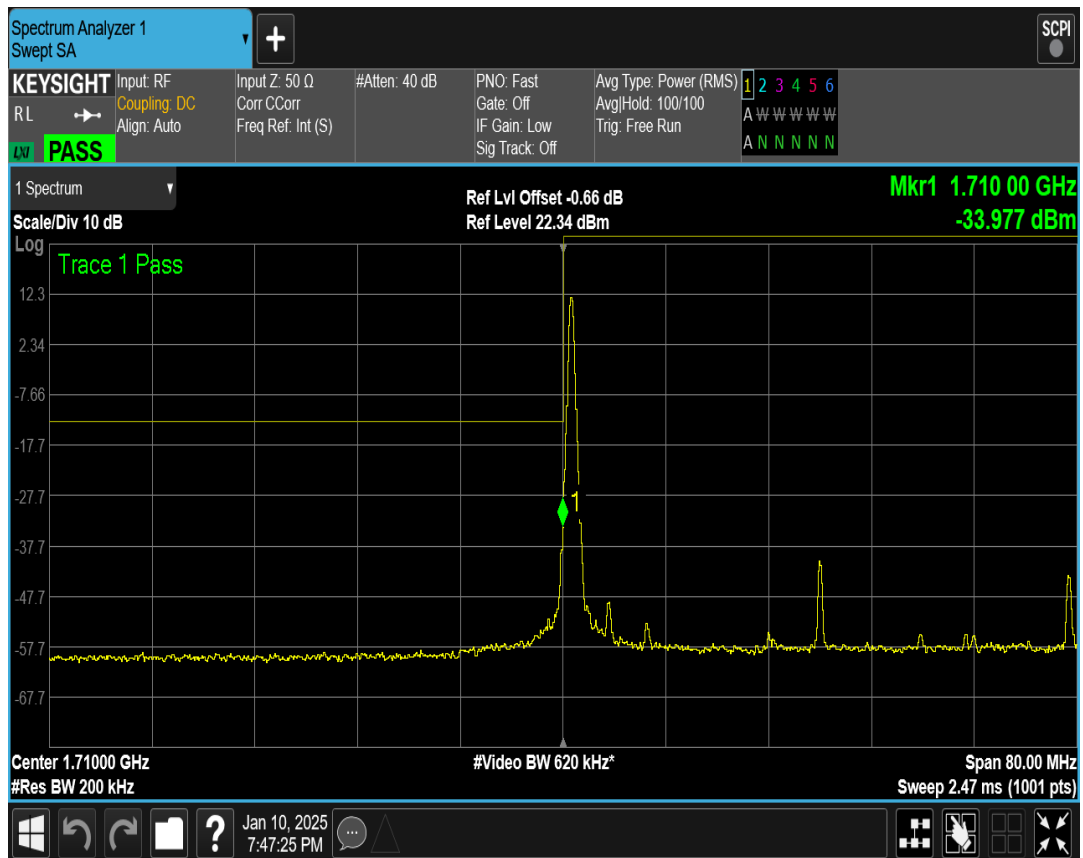
n66 SCS=15kHz CP\_QPSK BW=20MHz Channel=354000 RB=106@0



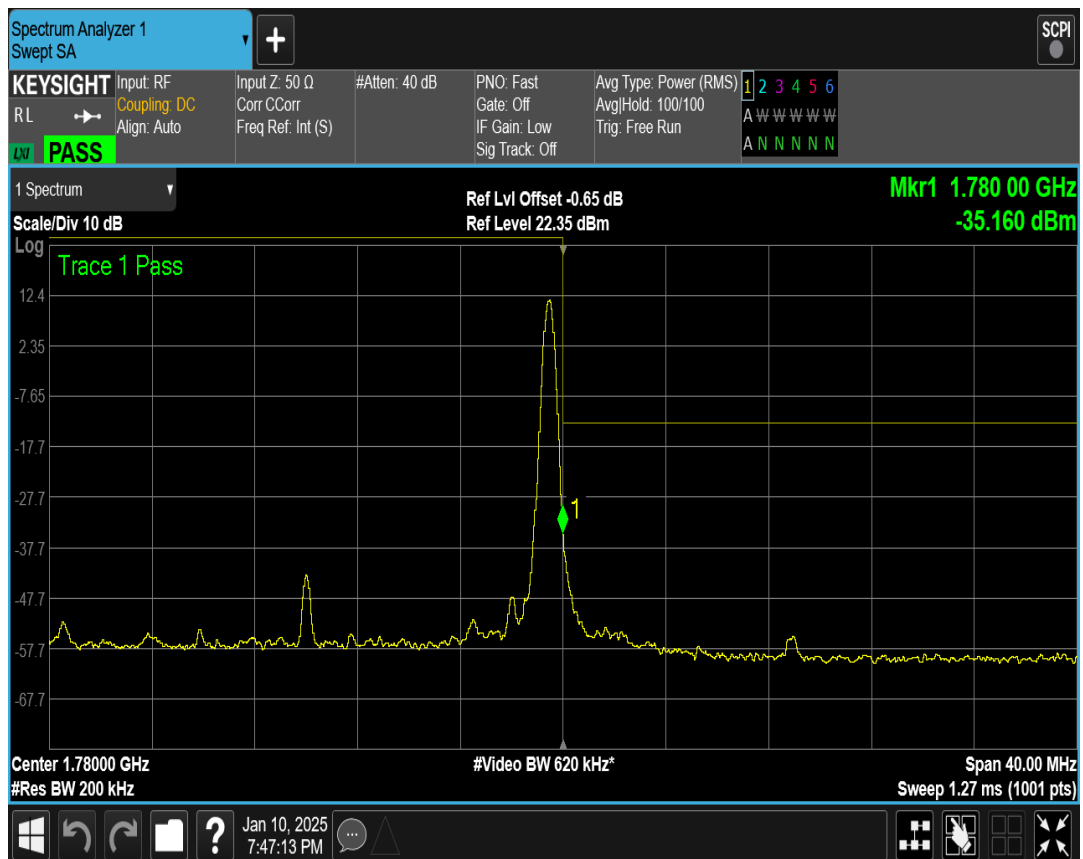
n66 SCS=15kHz CP\_QPSK BW=20MHz Channel=354000 RB=1@0



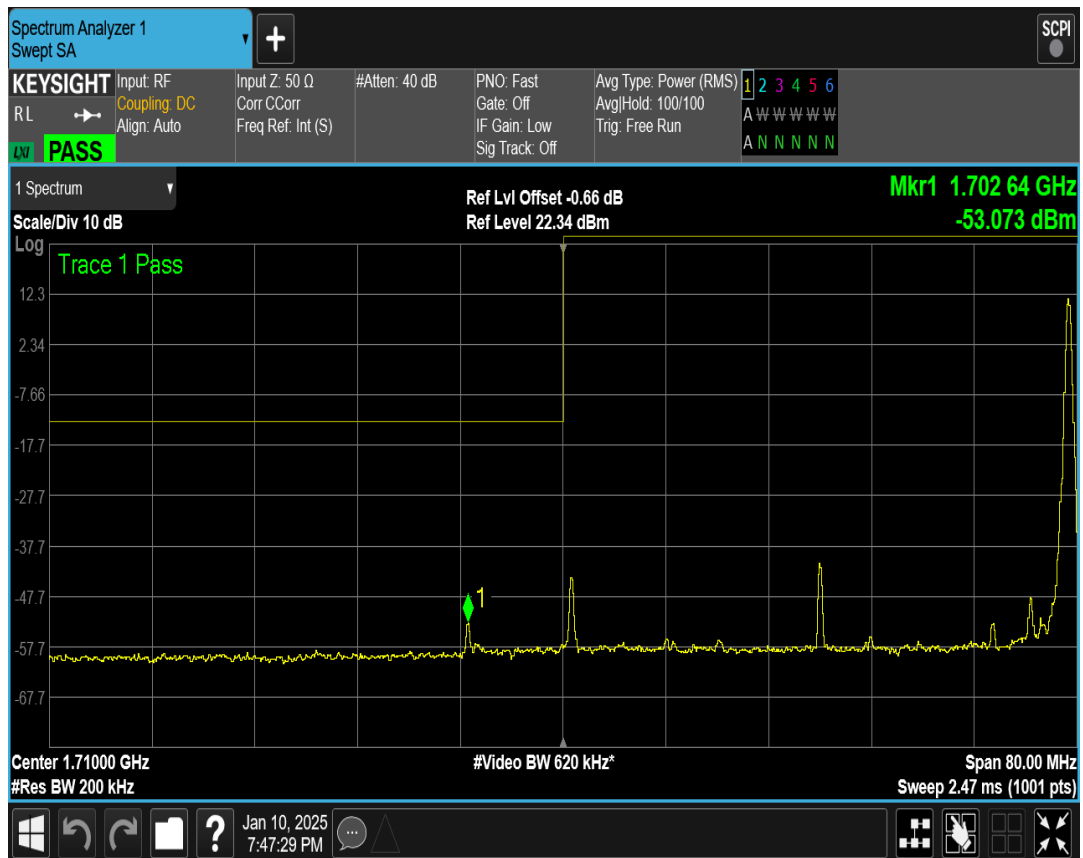
n66 SCS=15kHz CP\_QPSK BW=40MHz Channel=346000 RB=1@0



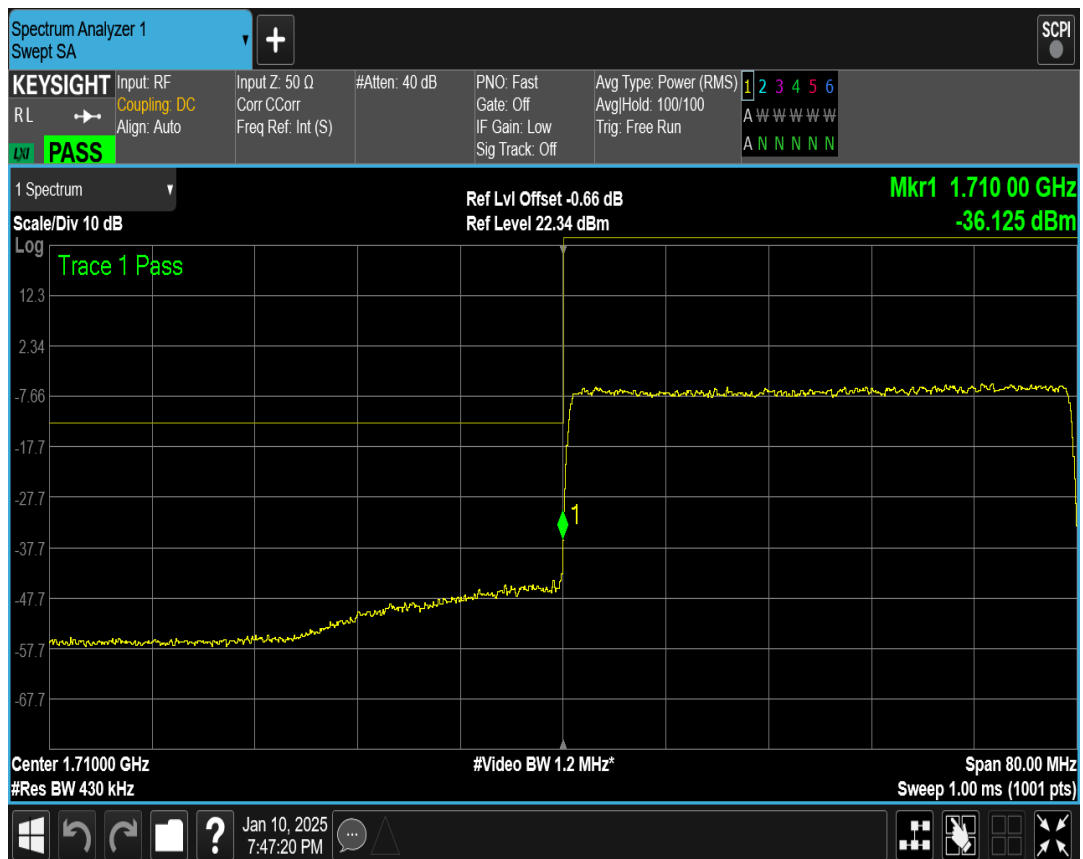
n66 SCS=15kHz CP\_QPSK BW=20MHz Channel=354000 RB=1@105



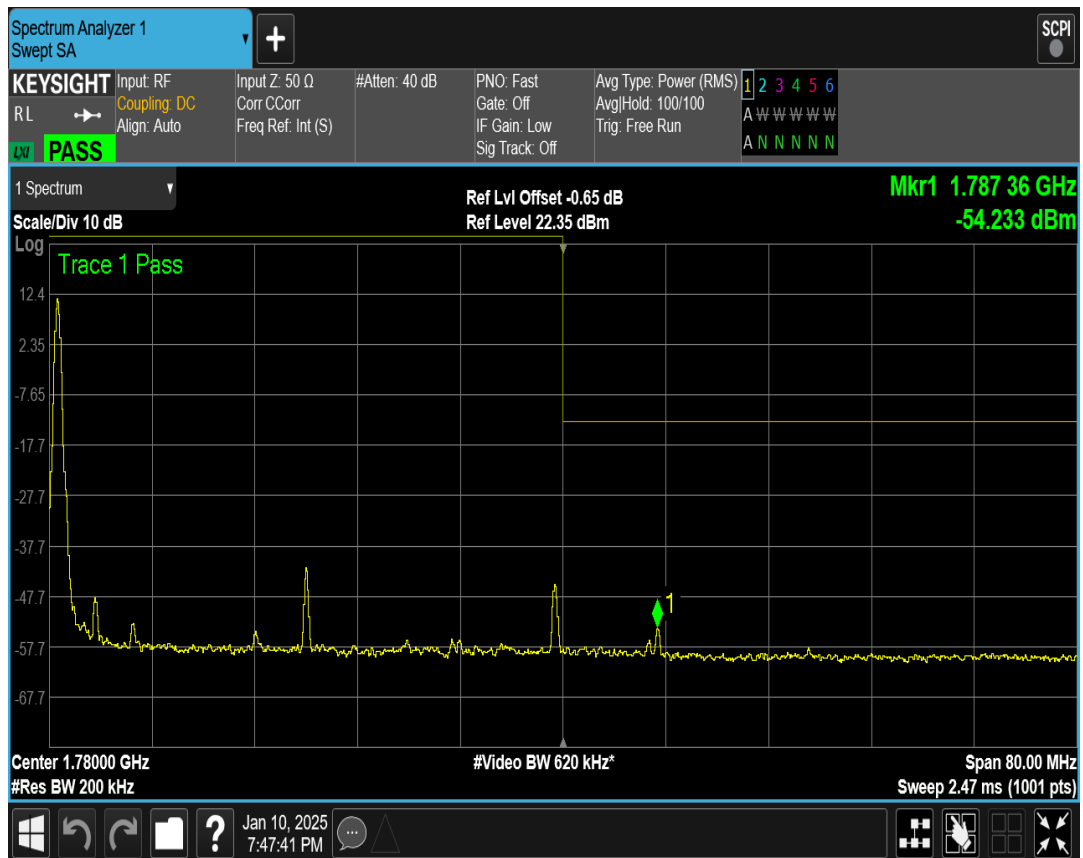
n66 SCS=15kHz CP\_QPSK BW=40MHz Channel=346000 RB=1@215



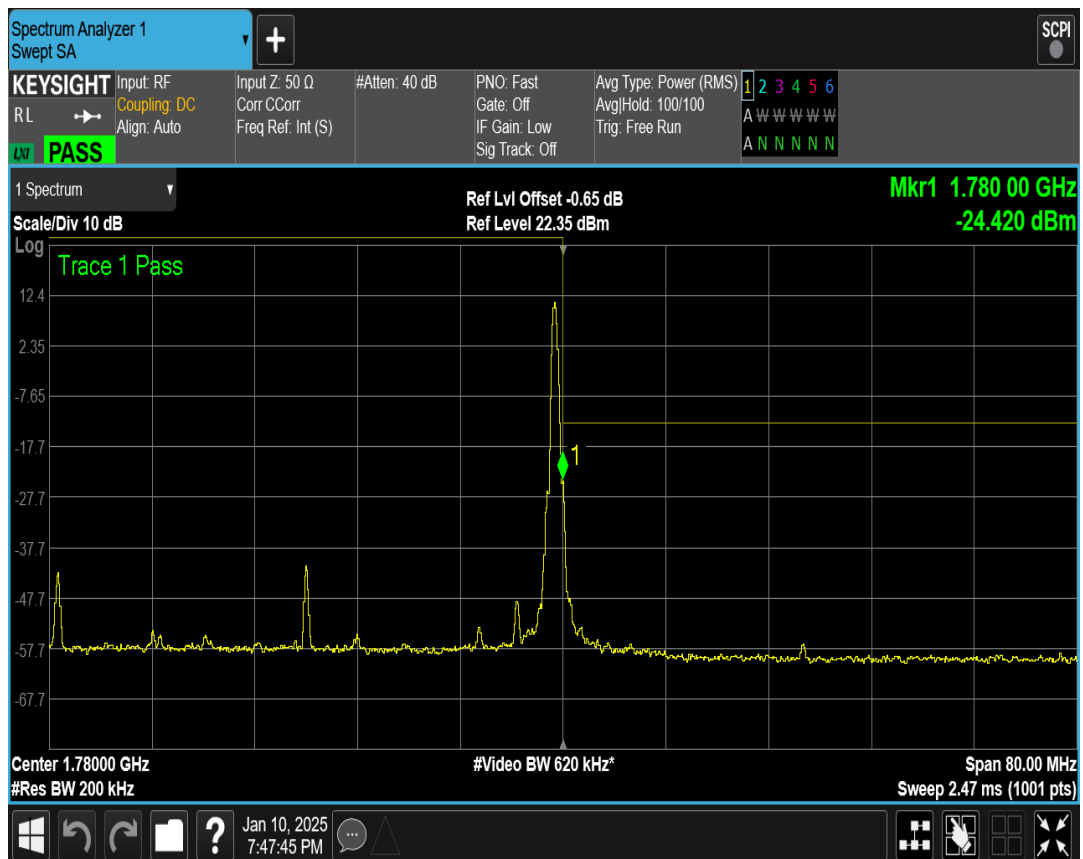
n66 SCS=15kHz CP\_QPSK BW=40MHz Channel=346000 RB=216@0



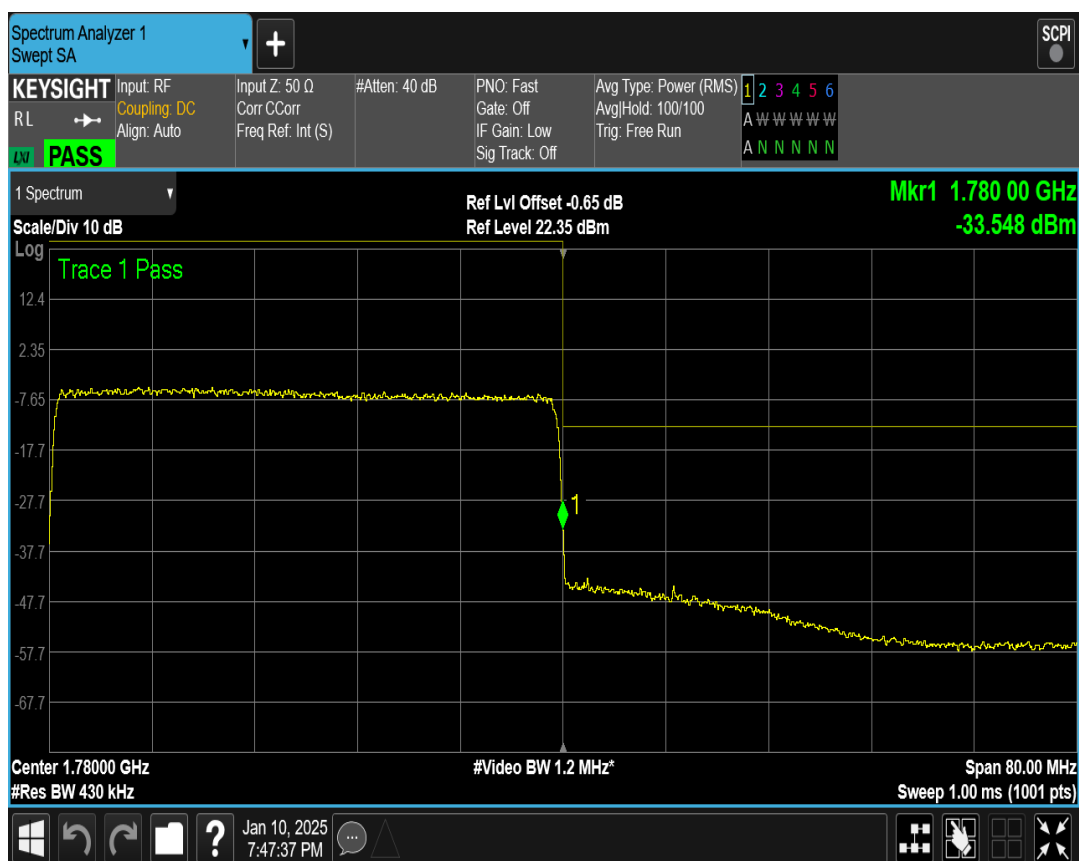
n66 SCS=15kHz CP\_QPSK BW=40MHz Channel=352000 RB=1@0



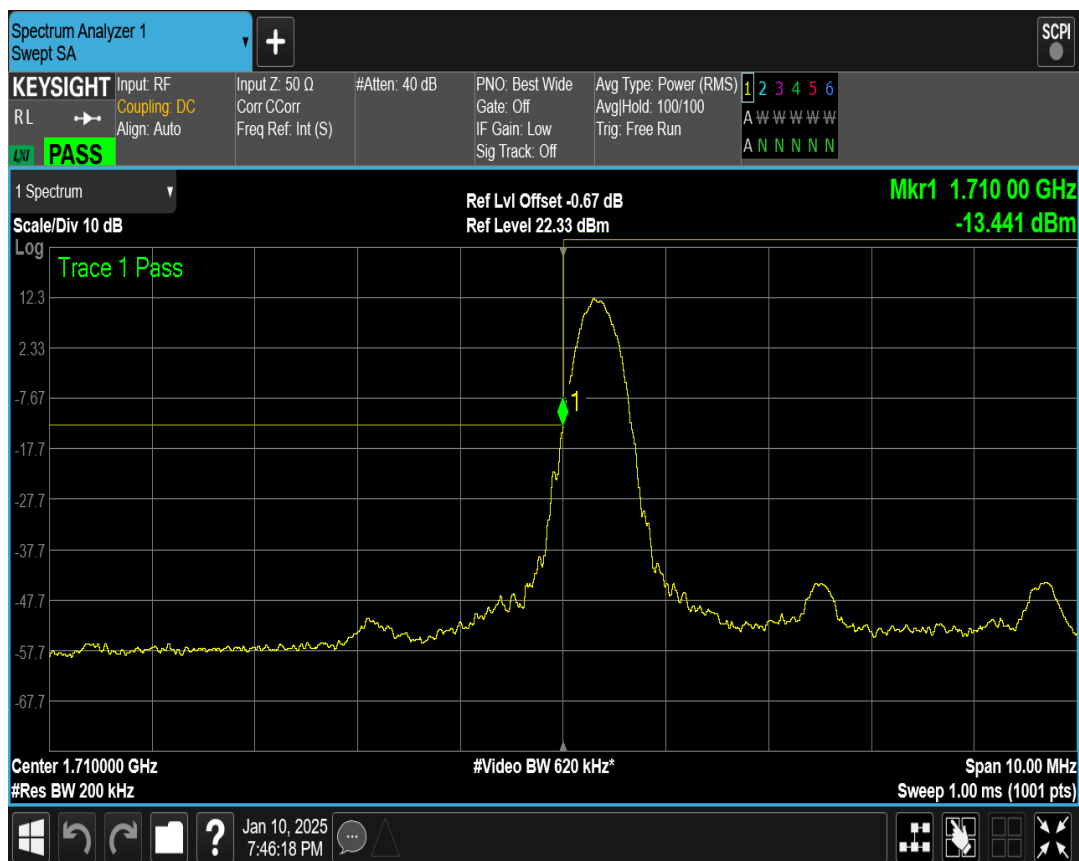
n66 SCS=15kHz CP\_QPSK BW=40MHz Channel=352000 RB=1@215



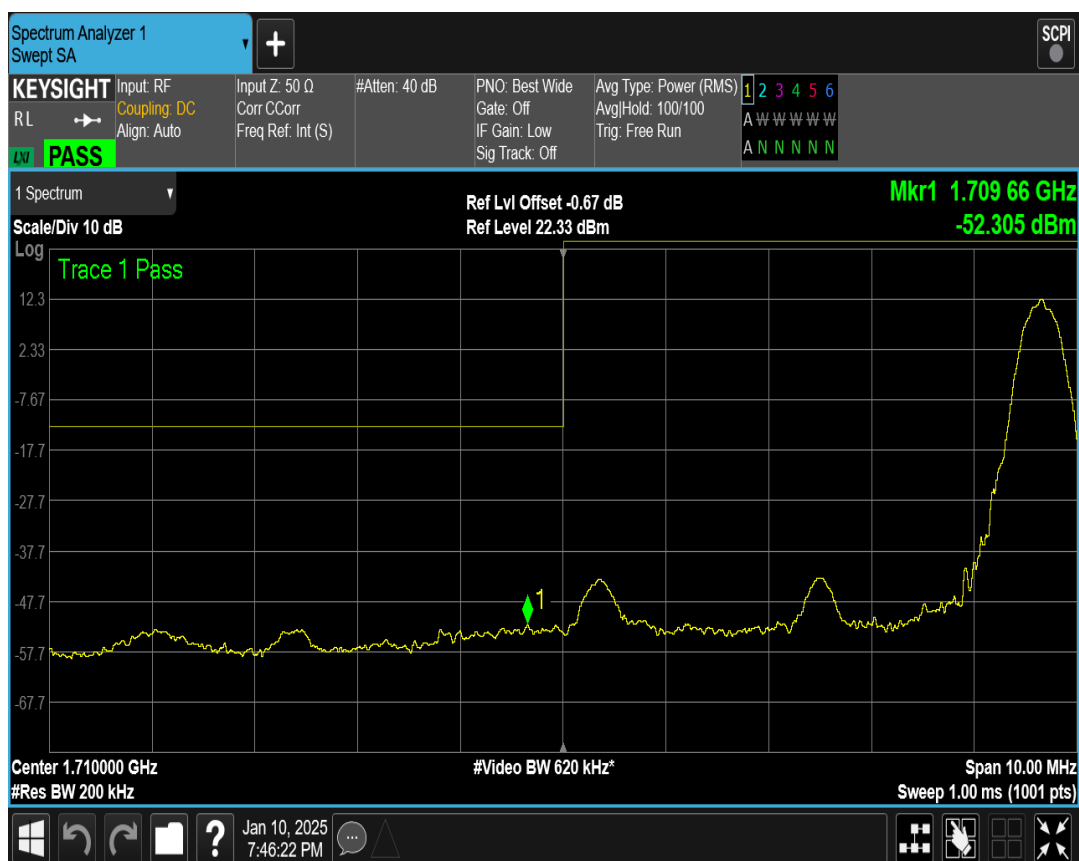
n66 SCS=15kHz CP\_QPSK BW=40MHz Channel=352000 RB=216@0



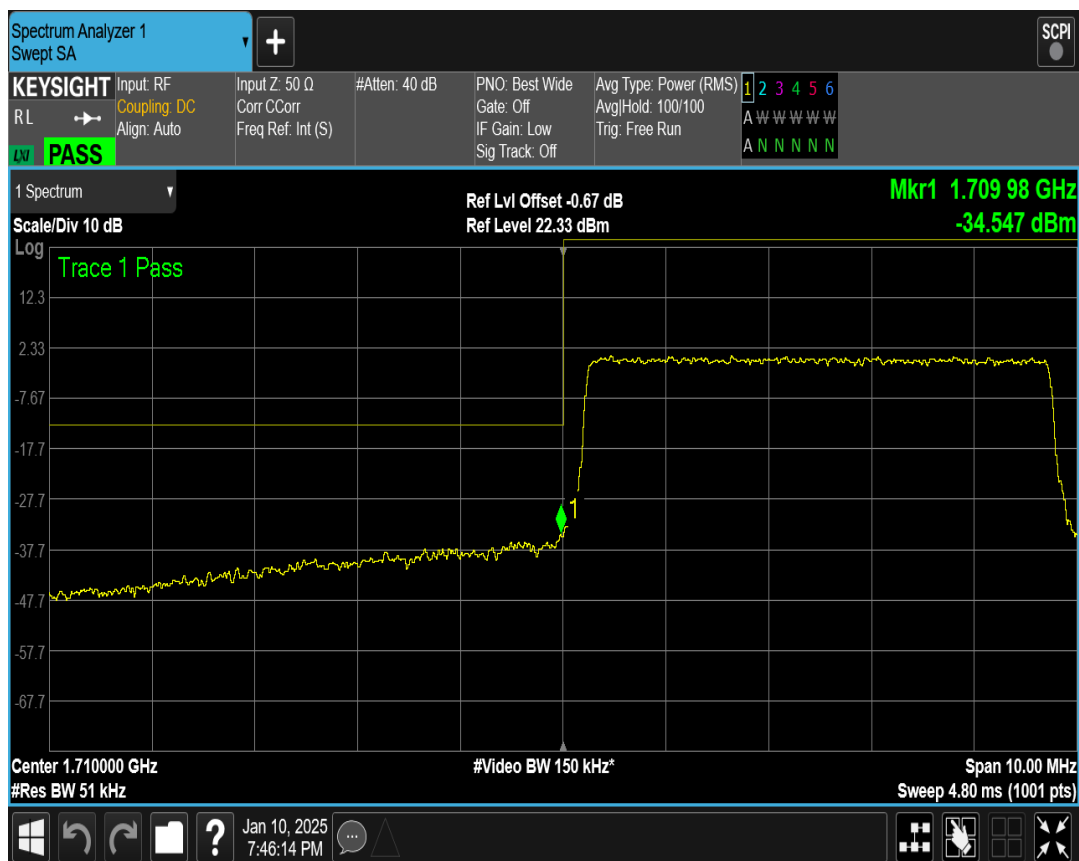
n66 SCS=15kHz CP\_QPSK BW=5MHz Channel=342500 RB=1@0



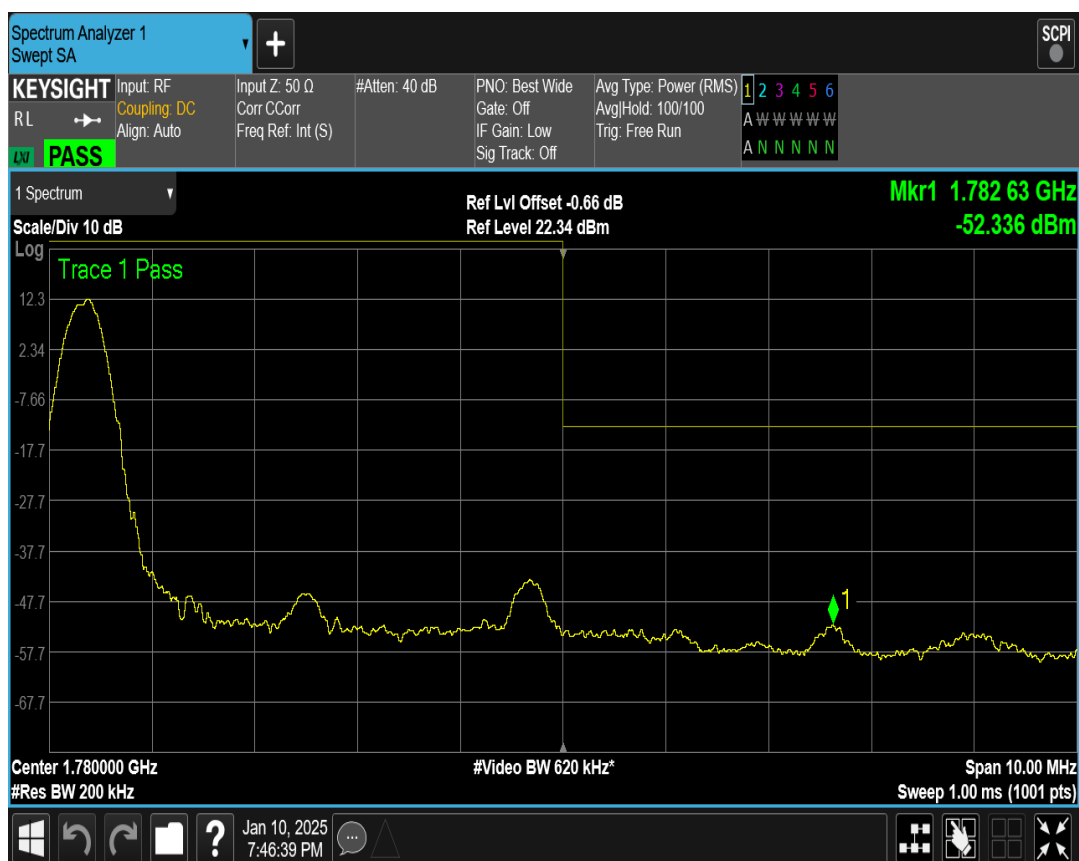
n66 SCS=15kHz CP\_QPSK BW=5MHz Channel=342500 RB=1@24



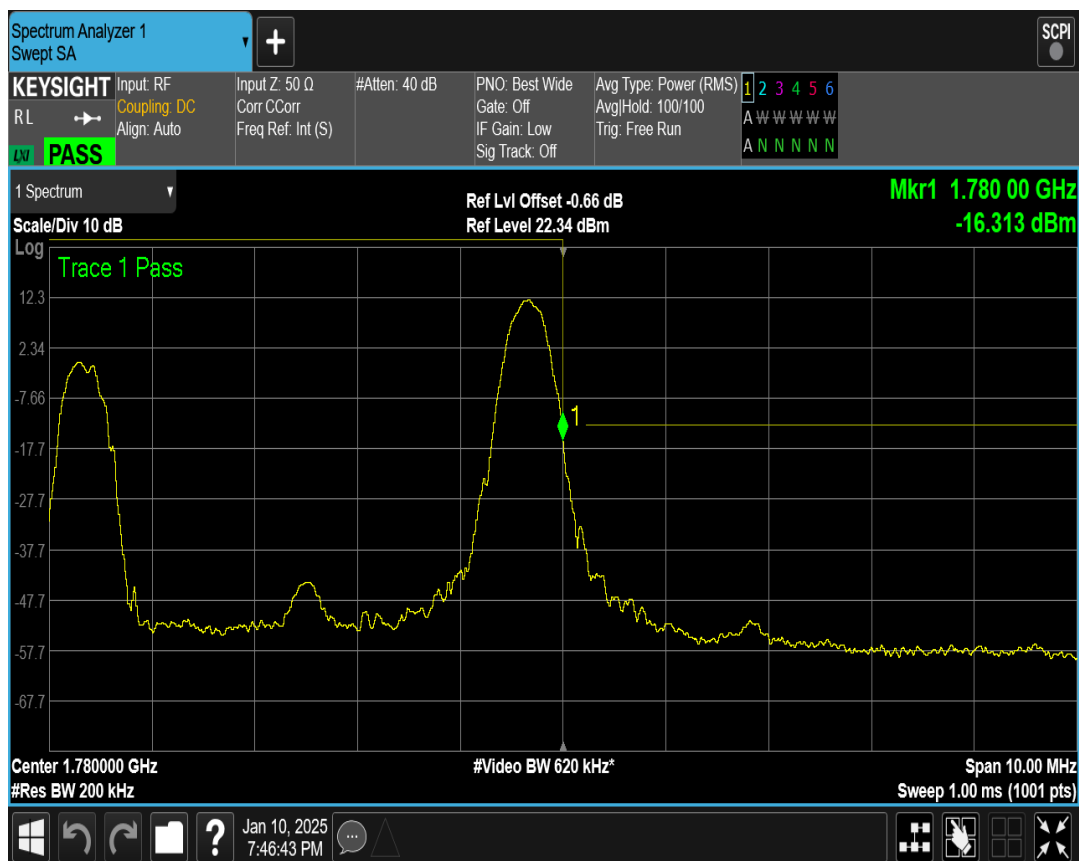
n66 SCS=15kHz CP\_QPSK BW=5MHz Channel=342500 RB=25@0



n66 SCS=15kHz CP\_QPSK BW=5MHz Channel=355500 RB=1@0



n66 SCS=15kHz CP\_QPSK BW=5MHz Channel=355500 RB=1@24



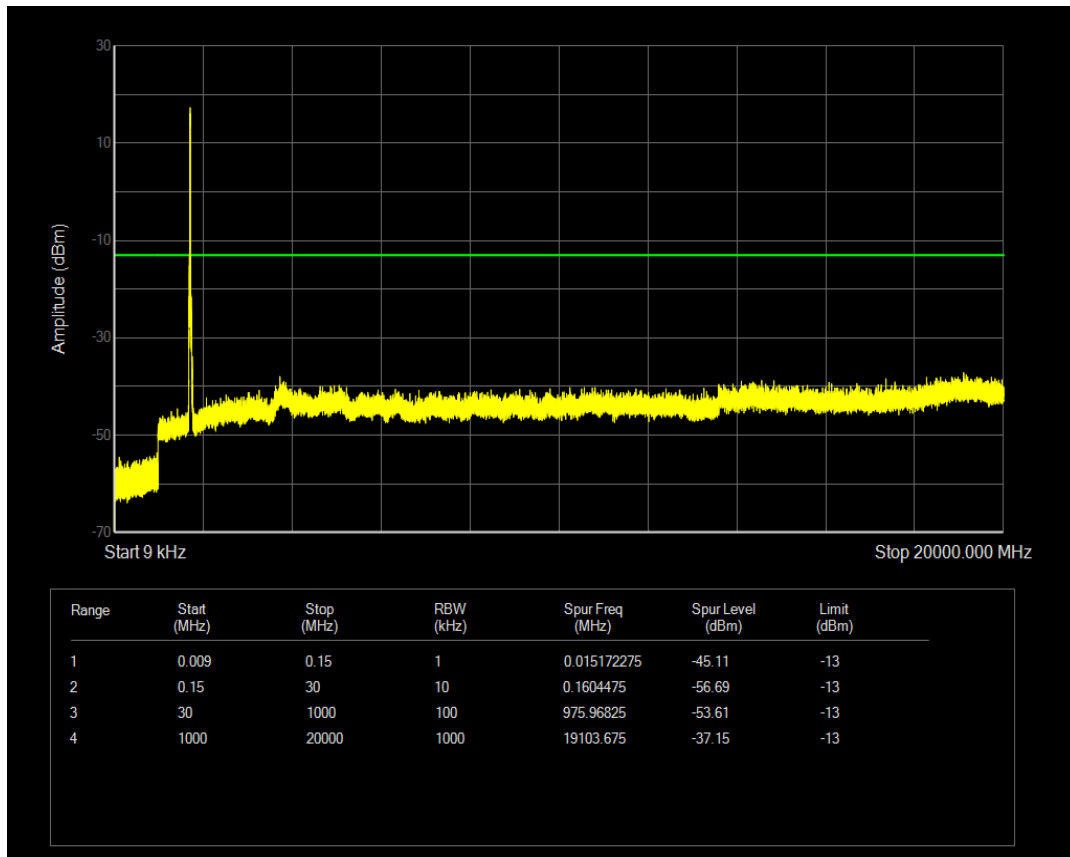
n66 SCS=15kHz CP\_QPSK BW=5MHz Channel=355500 RB=25@0

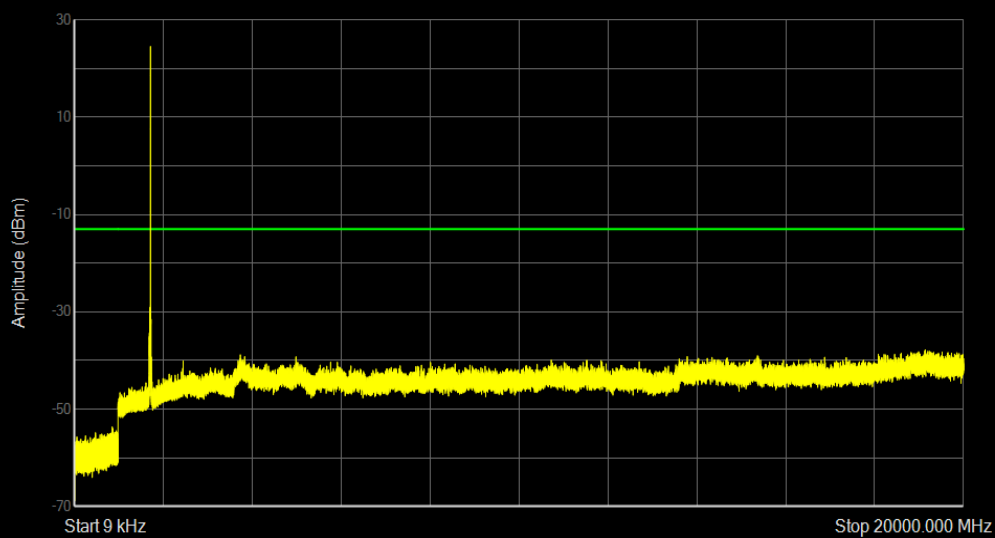


## 6 Out-of-band emissions for NR FR1

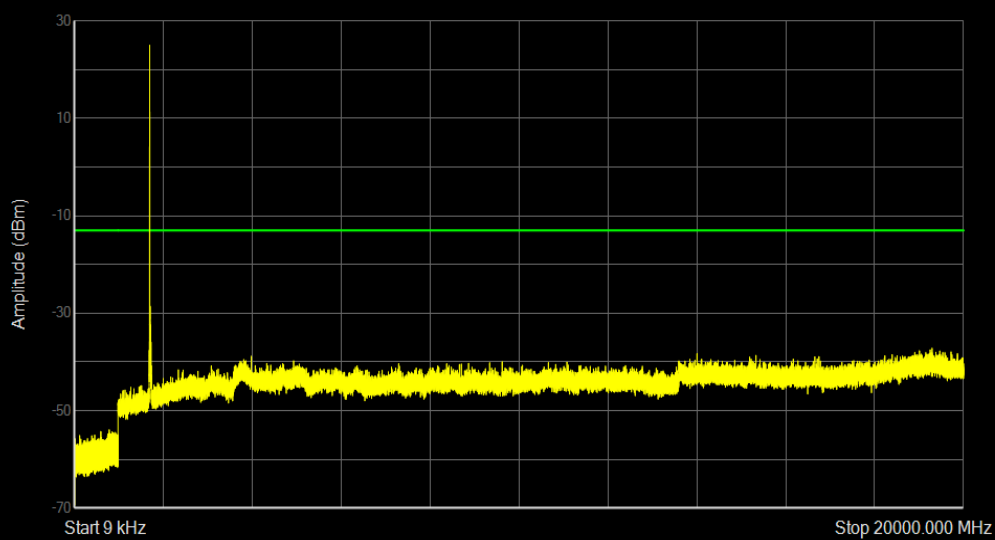
| Band | SCS (kHz) | Bandwidth (MHz) | UL Channel | RB Allocation | Modulation | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|------|-----------|-----------------|------------|---------------|------------|-----------------|------------------|-------------|---------|
| n66  | 15        | 5               | 342500     | 25@0          | CP_QPSK    | 19198.68        | -36.94           | -13         | PASS    |
| n66  | 15        | 5               | 342500     | 1@0           | CP_QPSK    | 19213.88        | -36.62           | -13         | PASS    |
| n66  | 15        | 5               | 342500     | 1@24          | CP_QPSK    | 18633.90        | -37.27           | -13         | PASS    |
| n66  | 15        | 5               | 355500     | 25@0          | CP_QPSK    | 19427.15        | -36.97           | -13         | PASS    |
| n66  | 15        | 5               | 355500     | 1@0           | CP_QPSK    | 18808.23        | -36.88           | -13         | PASS    |
| n66  | 15        | 5               | 355500     | 1@24          | CP_QPSK    | 18975.43        | -36.95           | -13         | PASS    |
| n66  | 15        | 20              | 344000     | 106@0         | CP_QPSK    | 19103.68        | -37.15           | -13         | PASS    |
| n66  | 15        | 20              | 344000     | 1@0           | CP_QPSK    | 19291.78        | -37.19           | -13         | PASS    |
| n66  | 15        | 20              | 344000     | 1@105         | CP_QPSK    | 19138.83        | -37.81           | -13         | PASS    |
| n66  | 15        | 20              | 354000     | 106@0         | CP_QPSK    | 14515.65        | -37.34           | -13         | PASS    |
| n66  | 15        | 20              | 354000     | 1@0           | CP_QPSK    | 19434.75        | -36.95           | -13         | PASS    |
| n66  | 15        | 20              | 354000     | 1@105         | CP_QPSK    | 19072.80        | -37.13           | -13         | PASS    |
| n66  | 15        | 40              | 346000     | 216@0         | CP_QPSK    | 19038.13        | -36.12           | -13         | PASS    |
| n66  | 15        | 40              | 346000     | 1@0           | CP_QPSK    | 19150.23        | -37.34           | -13         | PASS    |
| n66  | 15        | 40              | 346000     | 1@215         | CP_QPSK    | 19152.60        | -36.85           | -13         | PASS    |
| n66  | 15        | 40              | 352000     | 216@0         | CP_QPSK    | 19346.88        | -37.28           | -13         | PASS    |
| n66  | 15        | 40              | 352000     | 1@0           | CP_QPSK    | 18746.95        | -37.29           | -13         | PASS    |
| n66  | 15        | 40              | 352000     | 1@215         | CP_QPSK    | 19148.80        | -36.98           | -13         | PASS    |

n66 SCS=15kHz CP\_QPSK BW=20MHz Channel=344000 RB=106@0

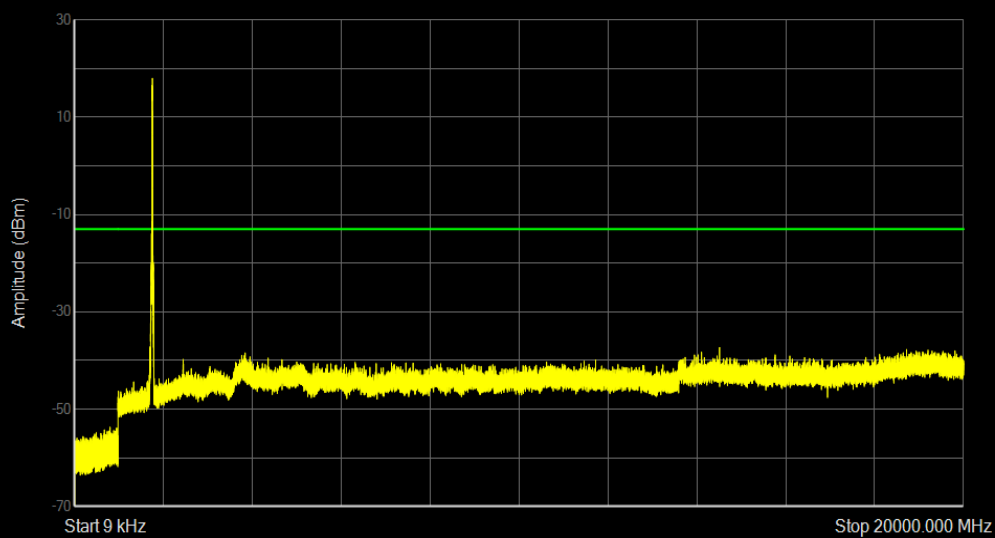


*n66 SCS=15kHz CP\_QPSK BW=20MHz Channel=344000 RB=1@105*

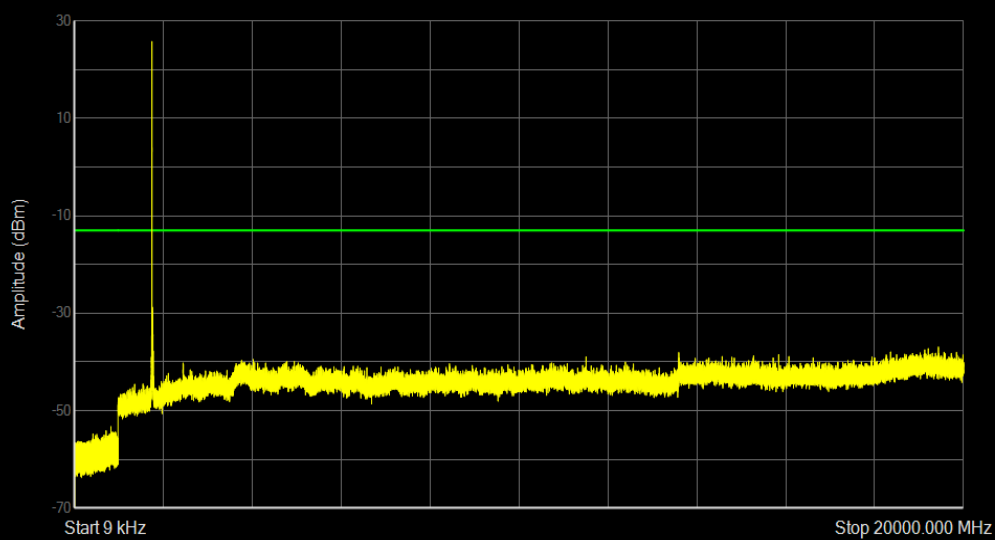
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01491495      | -45.09           | -13         |
| 2     | 0.15        | 30         | 10        | 0.16194         | -54.56           | -13         |
| 3     | 30          | 1000       | 100       | 869.8745        | -53.7            | -13         |
| 4     | 1000        | 20000      | 1000      | 19138.825       | -37.81           | -13         |

*n66 SCS=15kHz CP\_QPSK BW=20MHz Channel=344000 RB=1@0*

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01323         | -46.19           | -13         |
| 2     | 0.15        | 30         | 10        | 0.18059625      | -55.87           | -13         |
| 3     | 30          | 1000       | 100       | 801.6835        | -53.94           | -13         |
| 4     | 1000        | 20000      | 1000      | 19291.775       | -37.19           | -13         |

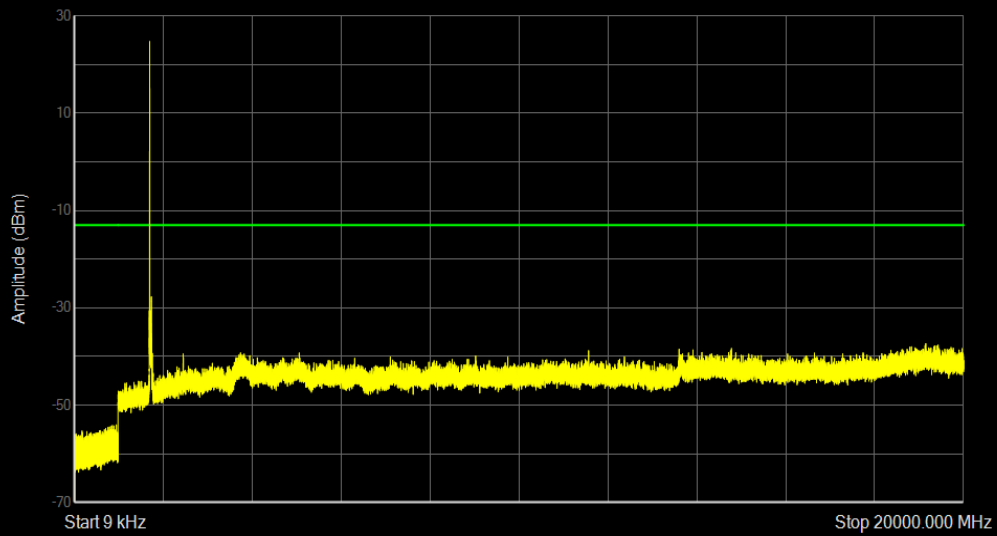
*n66 SCS=15kHz CP\_QPSK BW=20MHz Channel=354000 RB=106@0*

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.017223825     | -45.61           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15            | -54.93           | -13         |
| 3     | 30          | 1000       | 100       | 820.81675       | -53.73           | -13         |
| 4     | 1000        | 20000      | 1000      | 14515.65        | -37.34           | -13         |

*n66 SCS=15kHz CP\_QPSK BW=20MHz Channel=354000 RB=1@0*

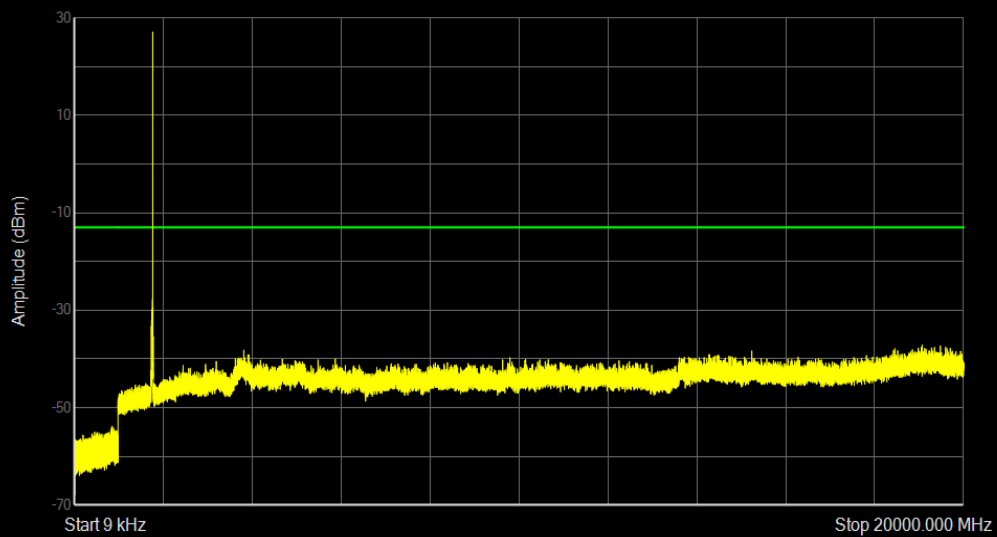
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009341925     | -44.62           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15            | -55.14           | -13         |
| 3     | 30          | 1000       | 100       | 840.1925        | -53.31           | -13         |
| 4     | 1000        | 20000      | 1000      | 19434.75        | -36.95           | -13         |

*n66 SCS=15kHz CP\_QPSK BW=40MHz Channel=346000 RB=1@0*



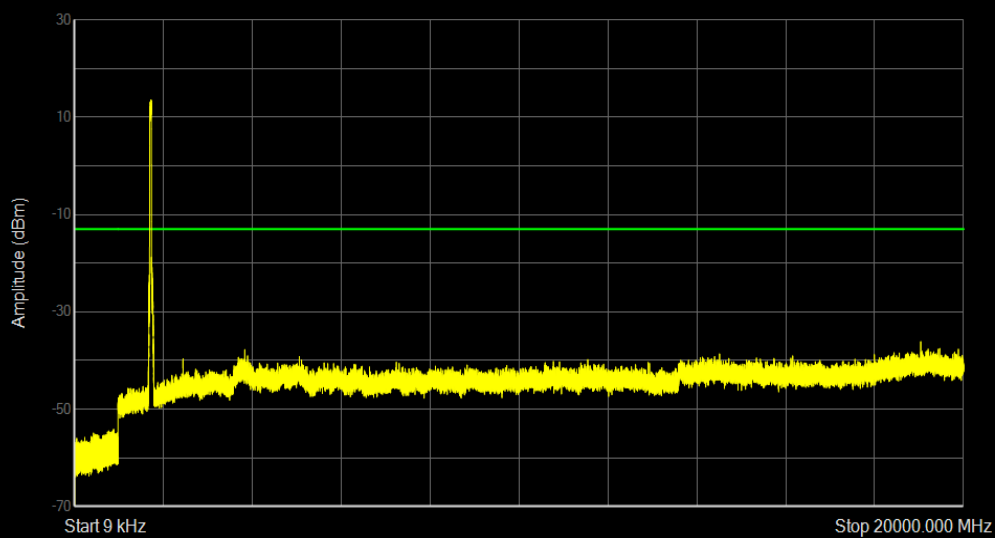
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01239105      | -45.95           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15970125      | -55.64           | -13         |
| 3     | 30          | 1000       | 100       | 960.4725        | -54.04           | -13         |
| 4     | 1000        | 20000      | 1000      | 19150.225       | -37.34           | -13         |

*n66 SCS=15kHz CP\_QPSK BW=20MHz Channel=354000 RB=1@105*



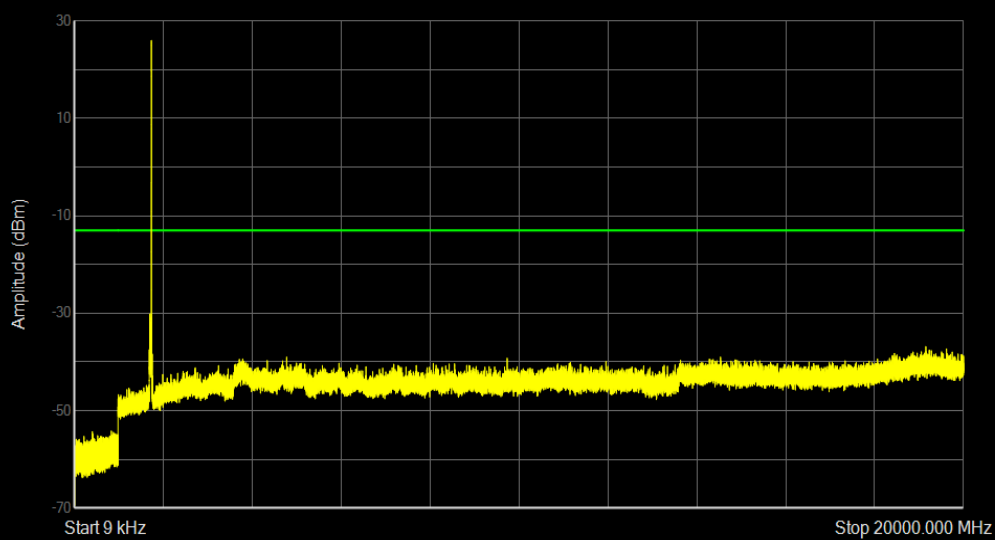
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0132018       | -44.59           | -13         |
| 2     | 0.15        | 30         | 10        | 0.152985        | -56.07           | -13         |
| 3     | 30          | 1000       | 100       | 871.15975       | -53.85           | -13         |
| 4     | 1000        | 20000      | 1000      | 19072.8         | -37.13           | -13         |

*n66 SCS=15kHz CP\_QPSK BW=40MHz Channel=346000 RB=216@0*

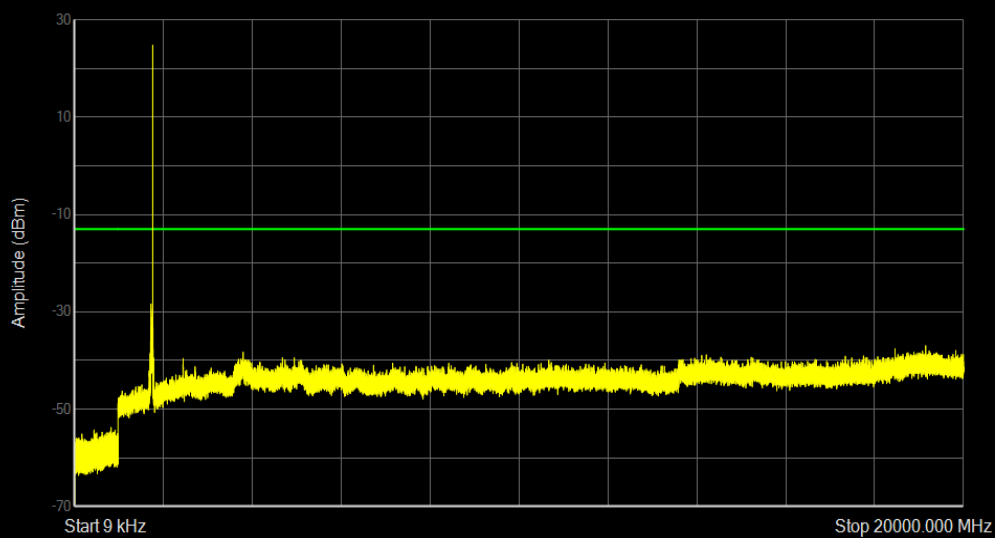


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01154505      | -44.43           | -13         |
| 2     | 0.15        | 30         | 10        | 0.152985        | -55.3            | -13         |
| 3     | 30          | 1000       | 100       | 906.56475       | -54.18           | -13         |
| 4     | 1000        | 20000      | 1000      | 19038.125       | -36.12           | -13         |

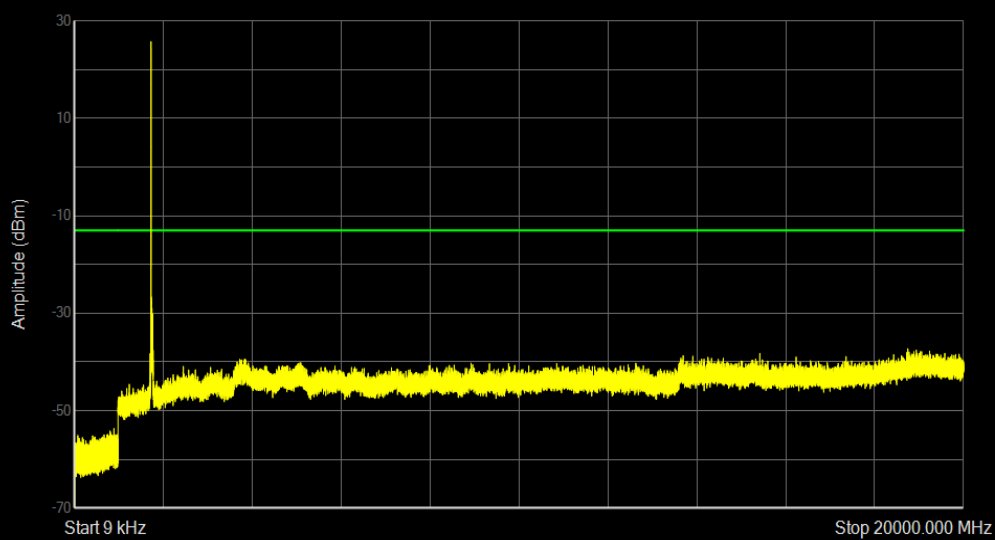
*n66 SCS=15kHz CP\_QPSK BW=40MHz Channel=346000 RB=1@215*



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.012324075     | -43.29           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15820875      | -55.4            | -13         |
| 3     | 30          | 1000       | 100       | 849.8925        | -54.2            | -13         |
| 4     | 1000        | 20000      | 1000      | 19152.6         | -36.85           | -13         |

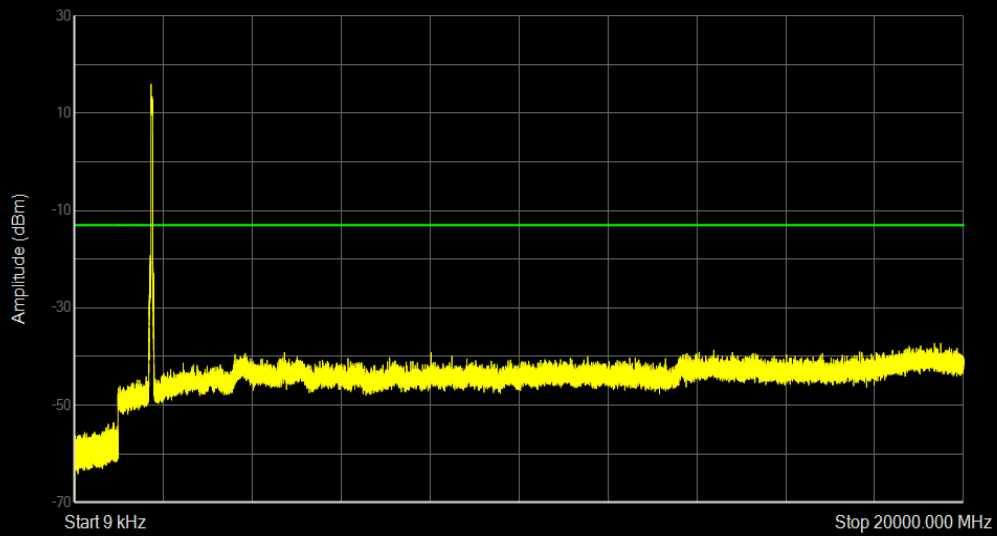
*n66 SCS=15kHz CP\_QPSK BW=40MHz Channel=352000 RB=1@215*

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.013163025     | -45.42           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15            | -55.81           | -13         |
| 3     | 30          | 1000       | 100       | 842.7145        | -53.76           | -13         |
| 4     | 1000        | 20000      | 1000      | 19148.8         | -36.98           | -13         |

*n66 SCS=15kHz CP\_QPSK BW=40MHz Channel=352000 RB=1@0*

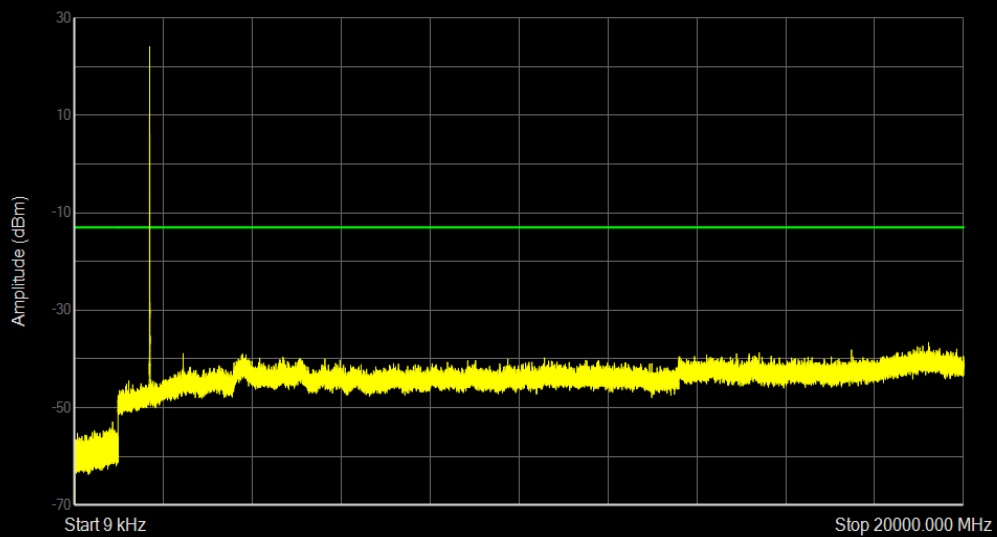
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0123981       | -44.5            | -13         |
| 2     | 0.15        | 30         | 10        | 0.15671625      | -55.89           | -13         |
| 3     | 30          | 1000       | 100       | 907.09825       | -53.66           | -13         |
| 4     | 1000        | 20000      | 1000      | 18746.95        | -37.29           | -13         |

*n66 SCS=15kHz CP\_QPSK BW=40MHz Channel=352000 RB=216@0*

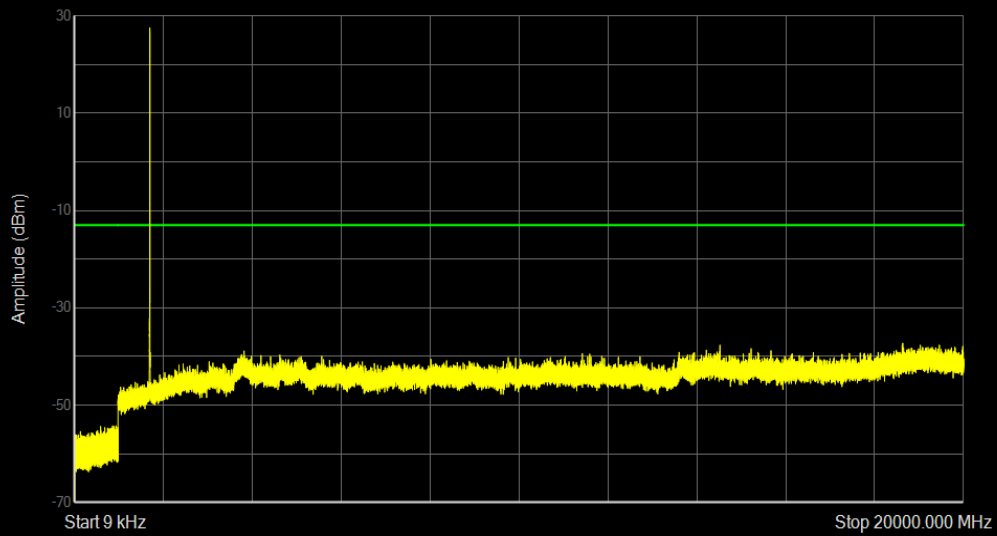


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.012627225     | -44.51           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15671625      | -55.91           | -13         |
| 3     | 30          | 1000       | 100       | 898.02875       | -53.58           | -13         |
| 4     | 1000        | 20000      | 1000      | 19346.875       | -37.28           | -13         |

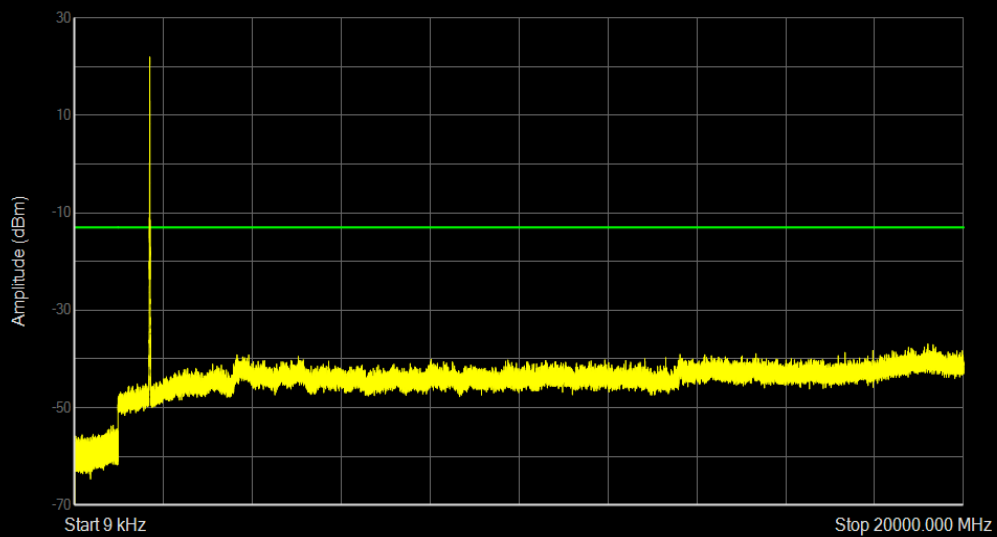
*n66 SCS=15kHz CP\_QPSK BW=5MHz Channel=342500 RB=1@0*



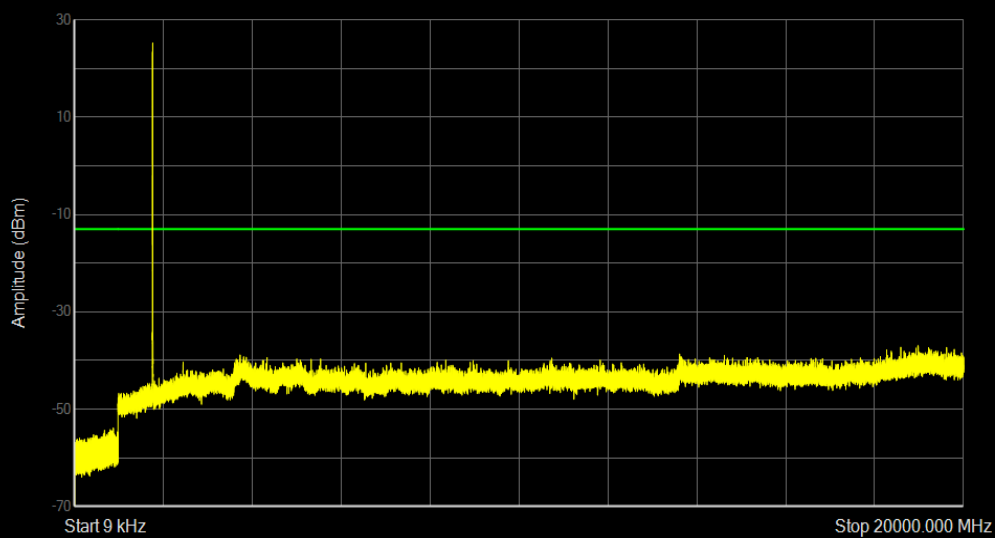
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.016850175     | -44.55           | -13         |
| 2     | 0.15        | 30         | 10        | 0.164925        | -56.15           | -13         |
| 3     | 30          | 1000       | 100       | 879.5745        | -52.97           | -13         |
| 4     | 1000        | 20000      | 1000      | 19213.875       | -36.62           | -13         |

*n66 SCS=15kHz CP\_QPSK BW=5MHz Channel=342500 RB=1@24*

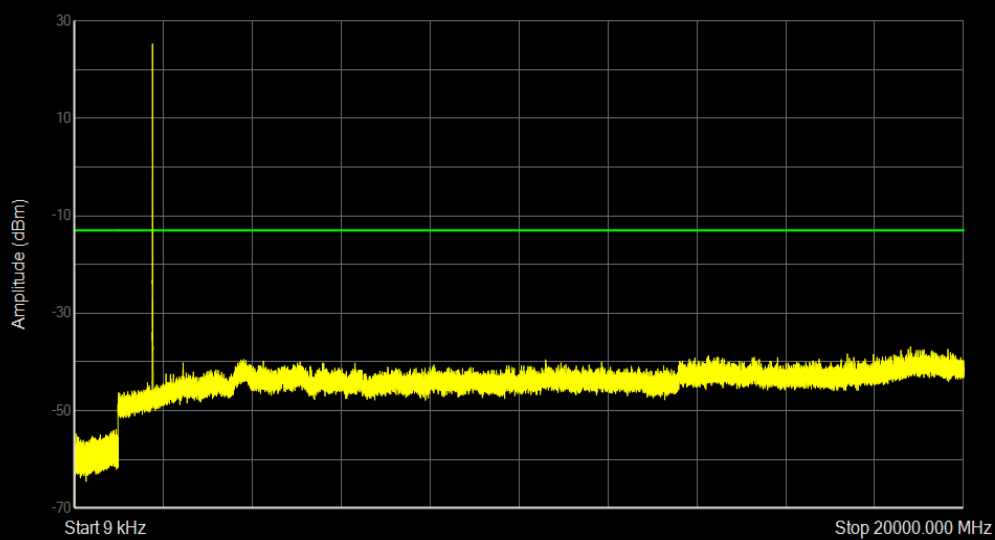
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.013656525     | -45.87           | -13         |
| 2     | 0.15        | 30         | 10        | 0.1664175       | -56              | -13         |
| 3     | 30          | 1000       | 100       | 877.90125       | -54.25           | -13         |
| 4     | 1000        | 20000      | 1000      | 18633.9         | -37.27           | -13         |

*n66 SCS=15kHz CP\_QPSK BW=5MHz Channel=342500 RB=25@0*

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.011823525     | -45.03           | -13         |
| 2     | 0.15        | 30         | 10        | 0.1514925       | -54.6            | -13         |
| 3     | 30          | 1000       | 100       | 891.4085        | -53.63           | -13         |
| 4     | 1000        | 20000      | 1000      | 19198.675       | -36.94           | -13         |

*n66 SCS=15kHz CP\_QPSK BW=5MHz Channel=355500 RB=1@24*

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009306675     | -45.29           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15820875      | -54.27           | -13         |
| 3     | 30          | 1000       | 100       | 894.9005        | -53.88           | -13         |
| 4     | 1000        | 20000      | 1000      | 18975.425       | -36.95           | -13         |

*n66 SCS=15kHz CP\_QPSK BW=5MHz Channel=355500 RB=1@0*

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.012824625     | -45.4            | -13         |
| 2     | 0.15        | 30         | 10        | 0.1664175       | -54.95           | -13         |
| 3     | 30          | 1000       | 100       | 956.51975       | -53.88           | -13         |
| 4     | 1000        | 20000      | 1000      | 18808.225       | -36.88           | -13         |

n66 SCS=15kHz CP\_QPSK BW=5MHz Channel=355500 RB=25@0

