



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



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



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



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



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



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



n78(3450-3550) SCS=30kHz DFT\_BPSK BW=70MHz Channel=633334 RB=



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



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



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=100MHz Channel=633334 RB=270@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=10MHz Channel=633334 RB=24@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=15MHz Channel=633334 RB=36@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=20MHz Channel=633334 RB=50@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=30MHz Channel=633334 RB=75@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=40MHz Channel=633334 RB=100@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=50MHz Channel=633334 RB=128@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=60MHz Channel=633334 RB=162@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=70MHz Channel=633334 RB=



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=80MHz Channel=633334 RB=216@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=90MHz Channel=633334 RB=240@0



n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=100MHz Channel=633334 RB=270@0



n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=10MHz Channel=633334 RB=24@0



n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=15MHz Channel=633334 RB=36@0



n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=20MHz Channel=633334 RB=50@0



n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=30MHz Channel=633334 RB=75@0



n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=40MHz Channel=633334 RB=100@0



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=



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=



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=



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



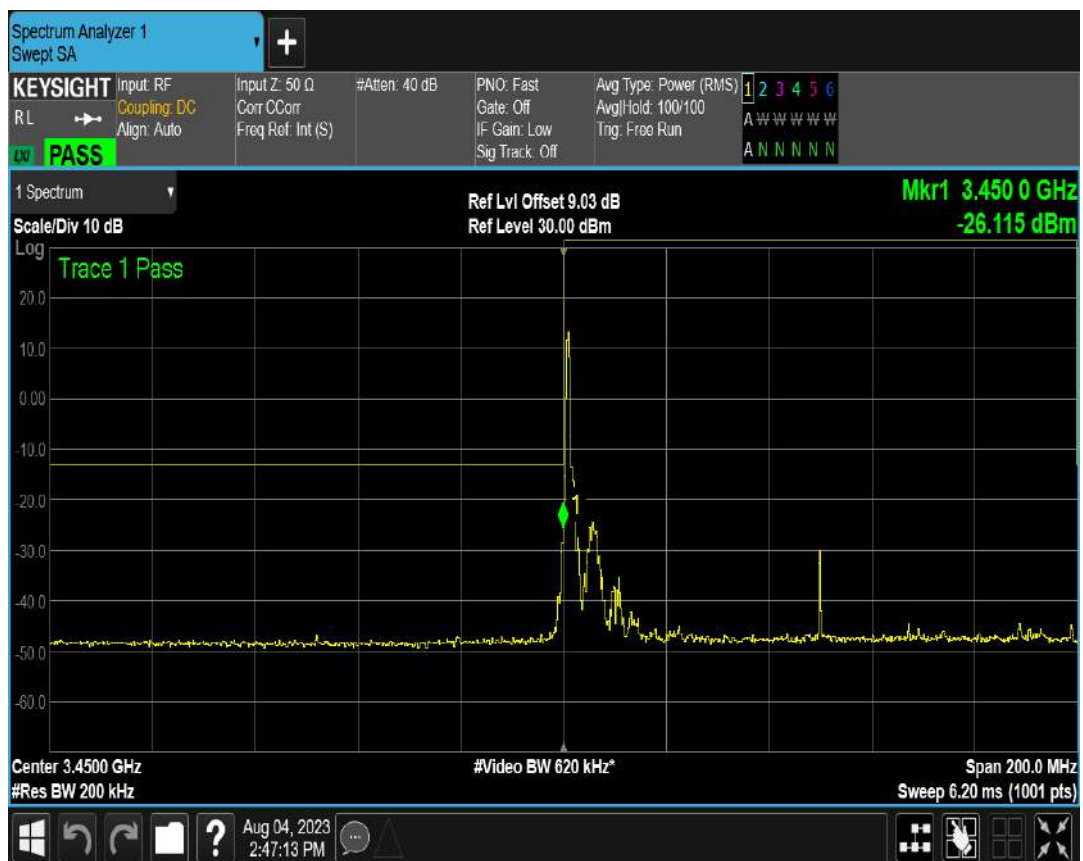
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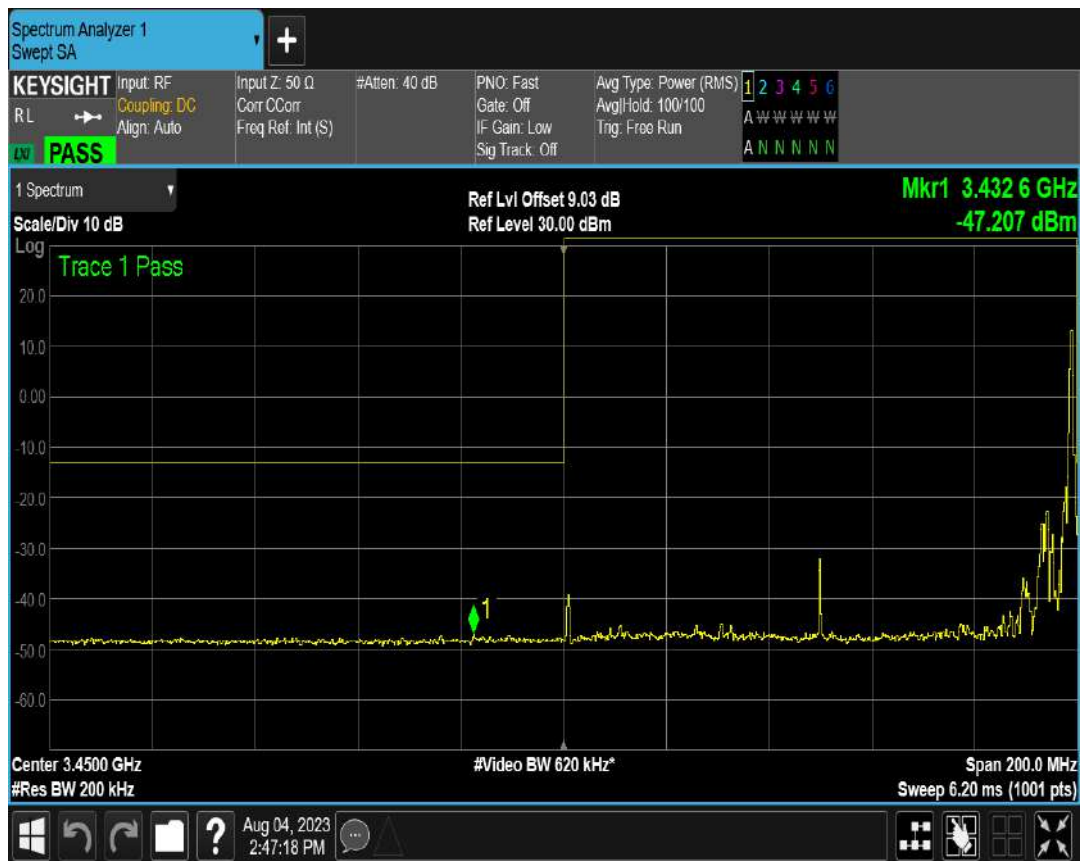
5 Band edge for NR FR1

| Band           | SCS<br>(kHz) | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Allocation | Modulation | Spur Freq<br>(MHz) | Spur Level<br>(dBm) | Limit<br>(dBm) | Verdict |
|----------------|--------------|--------------------|---------------|------------------|------------|--------------------|---------------------|----------------|---------|
| n78(3450-3550) | 30           | 10                 | 630334        | 24@0             | CP_QPSK    | 3449.86            | -37.38              | -13            | PASS    |
| n78(3450-3550) | 30           | 10                 | 630334        | 1@0              | CP_QPSK    | 3449.98            | -26.50              | -13            | PASS    |
| n78(3450-3550) | 30           | 10                 | 630334        | 1@23             | CP_QPSK    | 3446.28            | -42.17              | -13            | PASS    |
| n78(3450-3550) | 30           | 10                 | 636332        | 24@0             | CP_QPSK    | 3550.02            | -37.70              | -13            | PASS    |
| n78(3450-3550) | 30           | 10                 | 636332        | 1@0              | CP_QPSK    | 3551.46            | -41.38              | -13            | PASS    |
| n78(3450-3550) | 30           | 10                 | 636332        | 1@23             | CP_QPSK    | 3550.10            | -22.88              | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 631668        | 133@0            | CP_QPSK    | 3446.40            | -36.63              | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 631668        | 1@0              | CP_QPSK    | 3449.90            | -30.40              | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 631668        | 1@132            | CP_QPSK    | 3444.00            | -46.63              | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 635000        | 133@0            | CP_QPSK    | 3550.10            | -34.32              | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 635000        | 1@0              | CP_QPSK    | 3556.00            | -46.64              | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 635000        | 1@132            | CP_QPSK    | 3550.10            | -26.39              | -13            | PASS    |
| n78(3450-3550) | 30           | 100                | 633334        | 273@0            | CP_QPSK    | 3450.00            | -24.05              | -13            | PASS    |
| n78(3450-3550) | 30           | 100                | 633334        | 1@0              | CP_QPSK    | 3450.00            | -26.11              | -13            | PASS    |
| n78(3450-3550) | 30           | 100                | 633334        | 1@272            | CP_QPSK    | 3432.60            | -47.20              | -13            | PASS    |

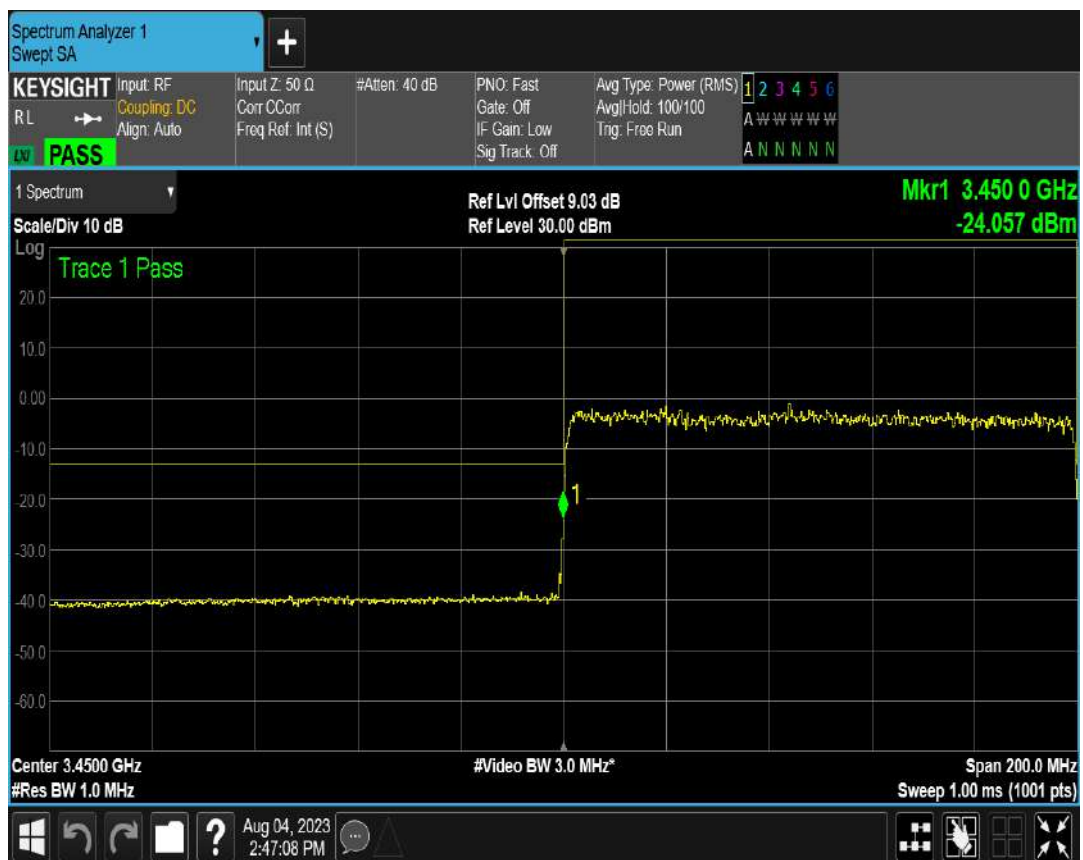
n78(3450-3550) SCS=30kHz CP\_QPSK BW=100MHz Channel=633334 RB=1@0



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



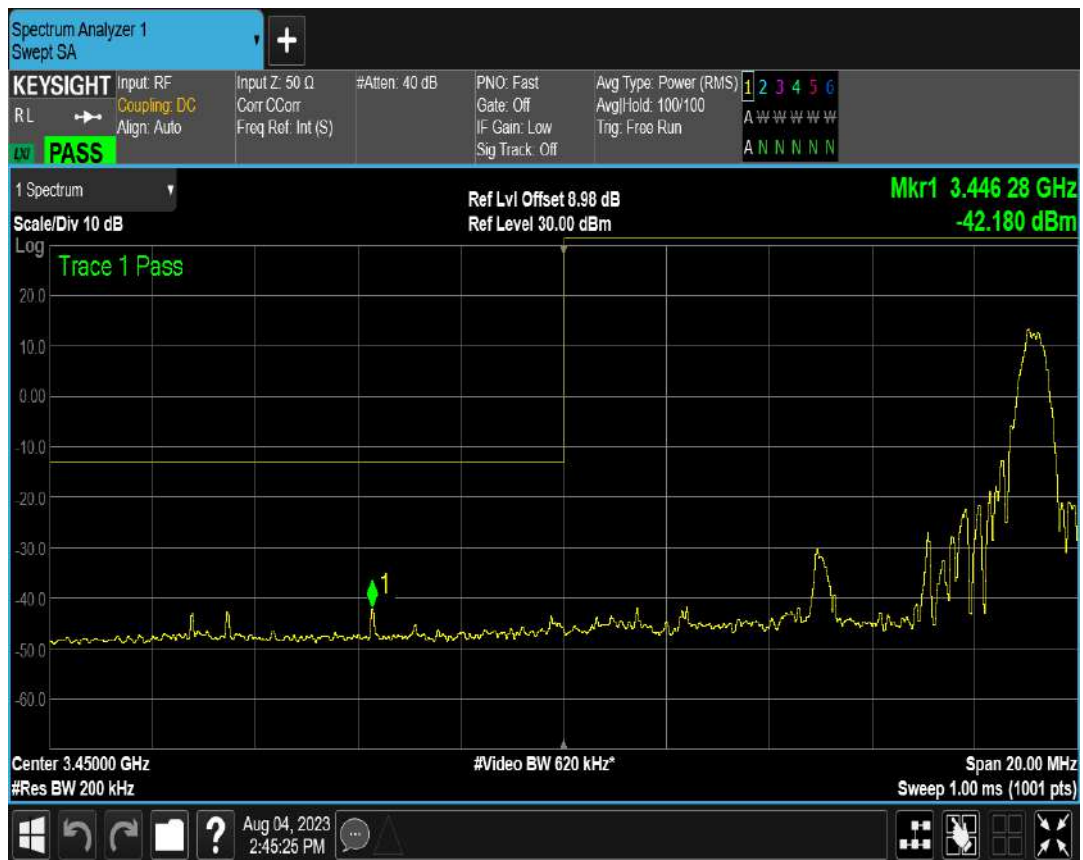
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n78(3450-3550) SCS=30kHz CP\_QPSK BW=10MHz Channel=630334 RB=1@0



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



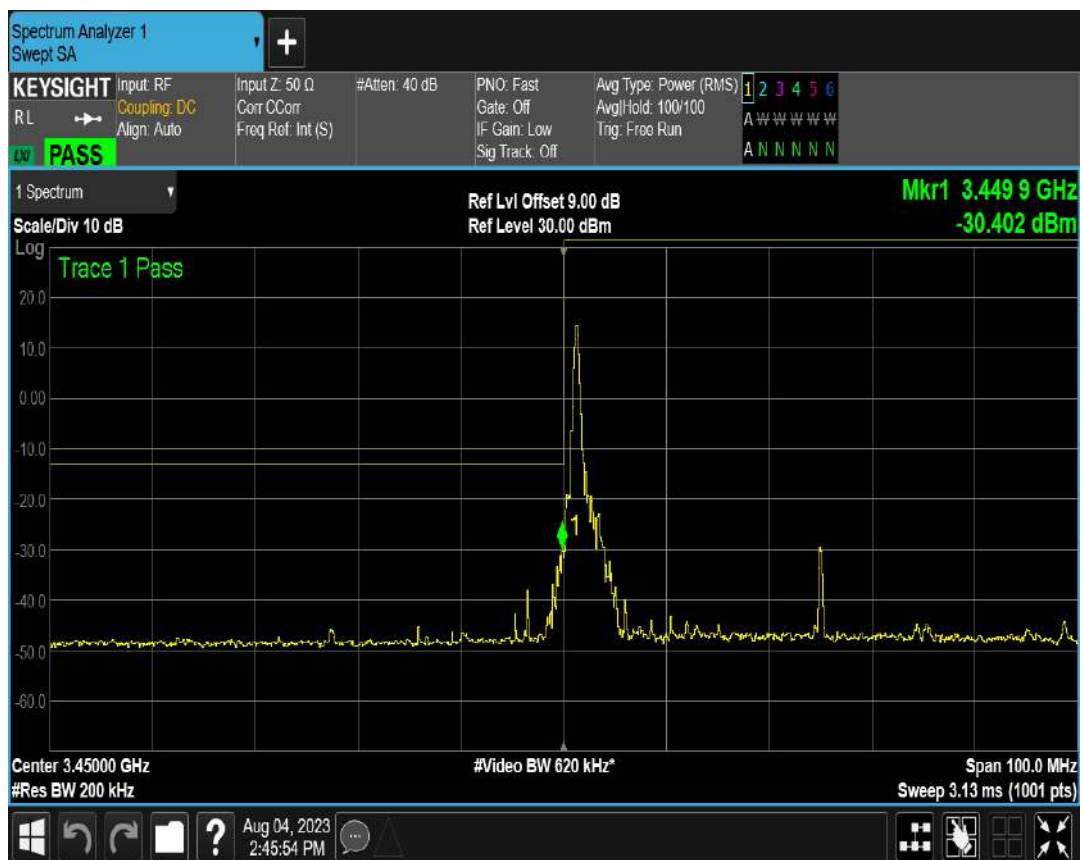
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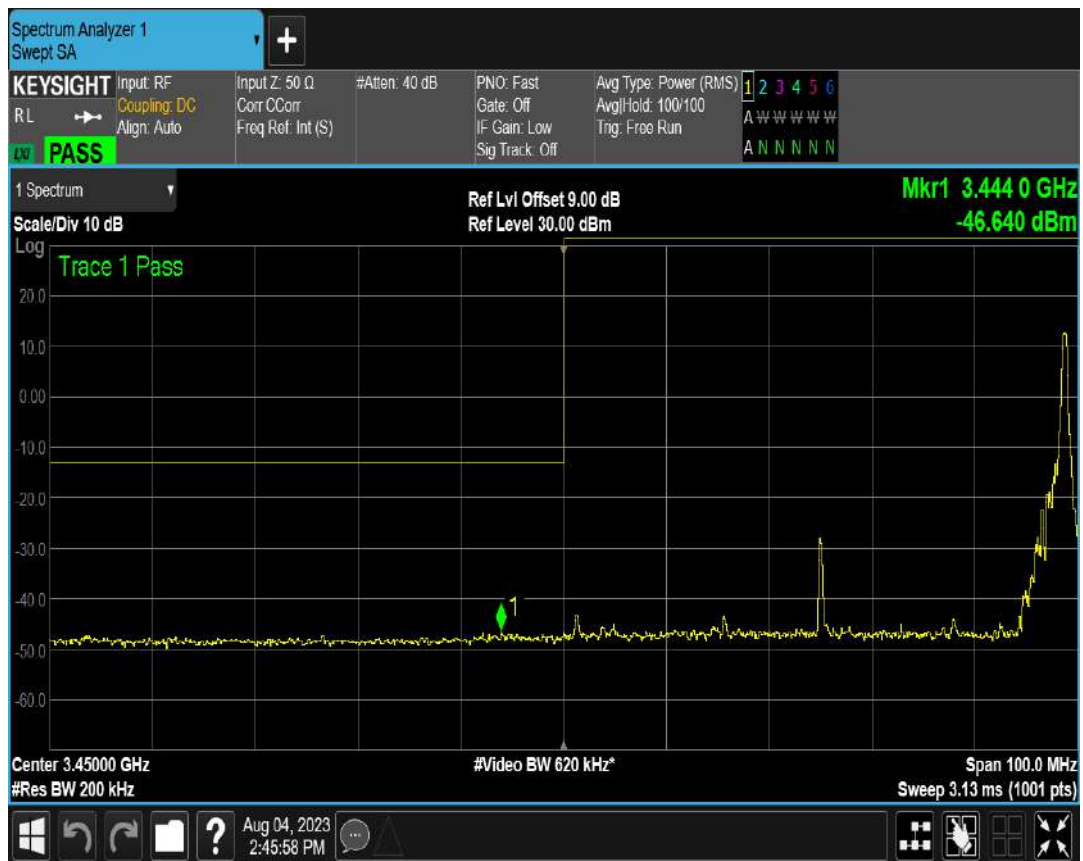
n78(3450-3550) SCS=30kHz CP\_QPSK BW=50MHz Channel=631668 RB=133@0



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



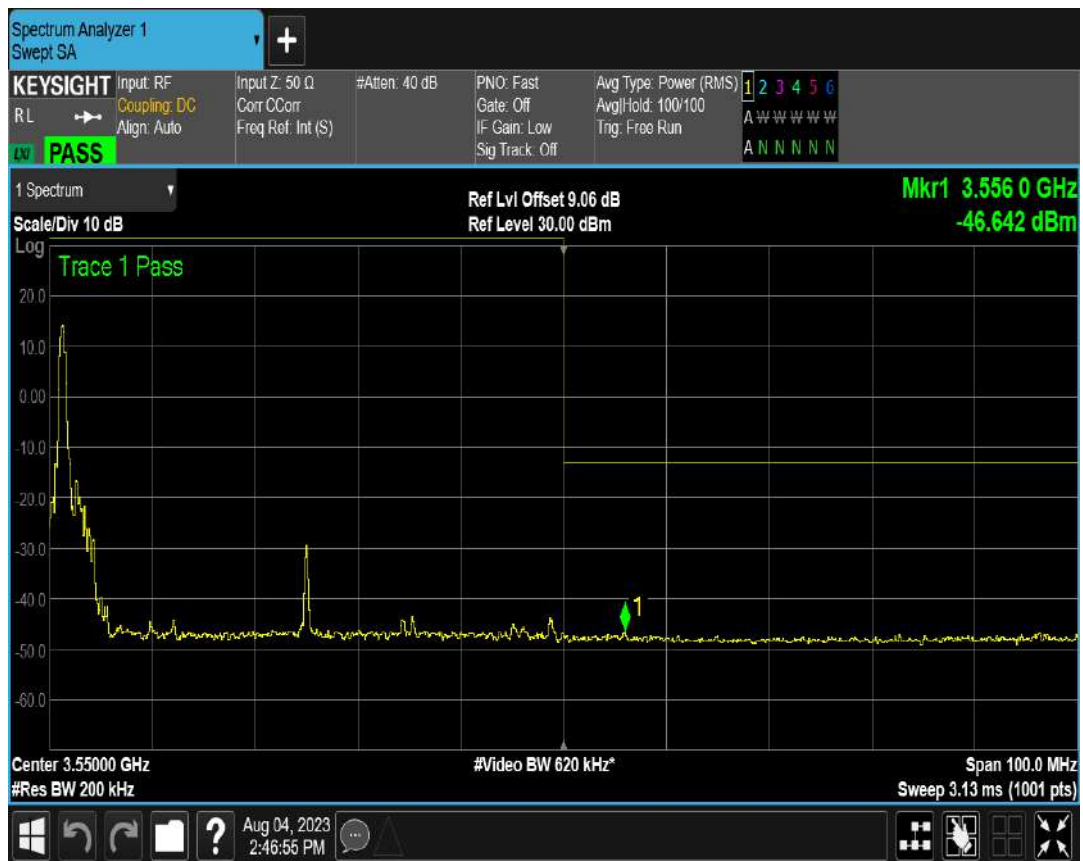
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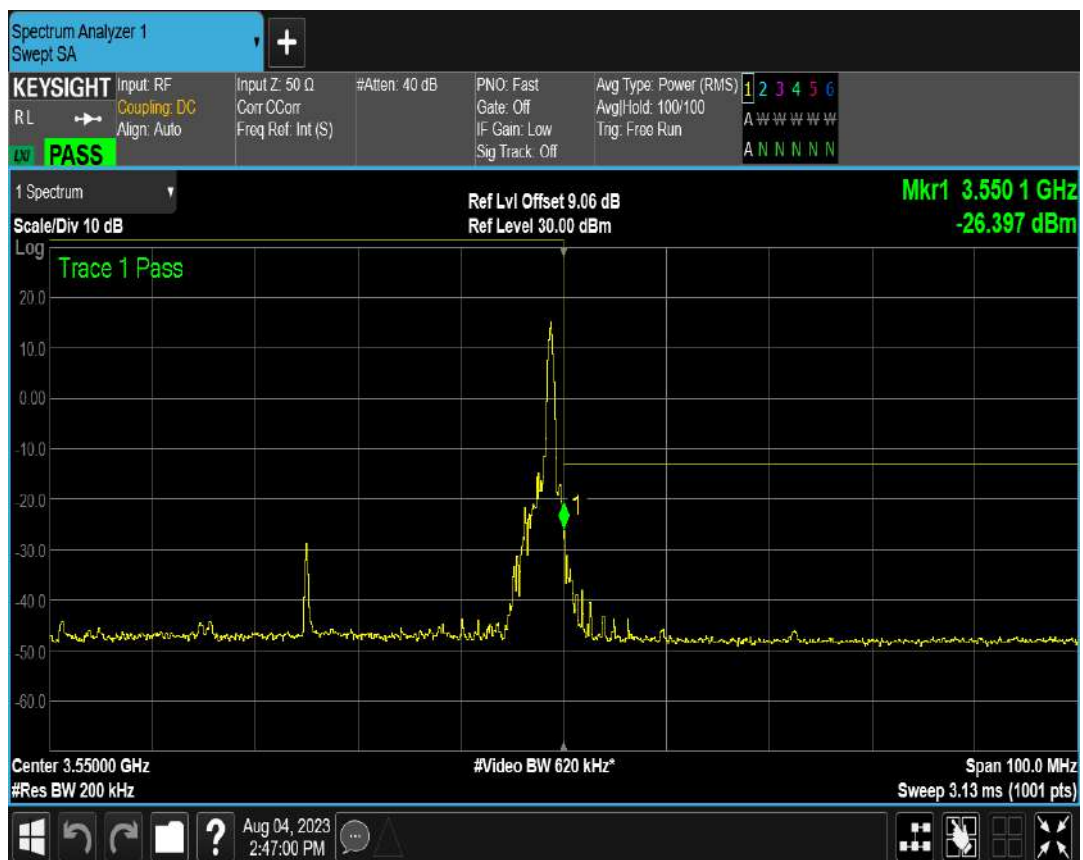
n78(3450-3550) SCS=30kHz CP\_QPSK BW=50MHz Channel=635000 RB=133@0



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



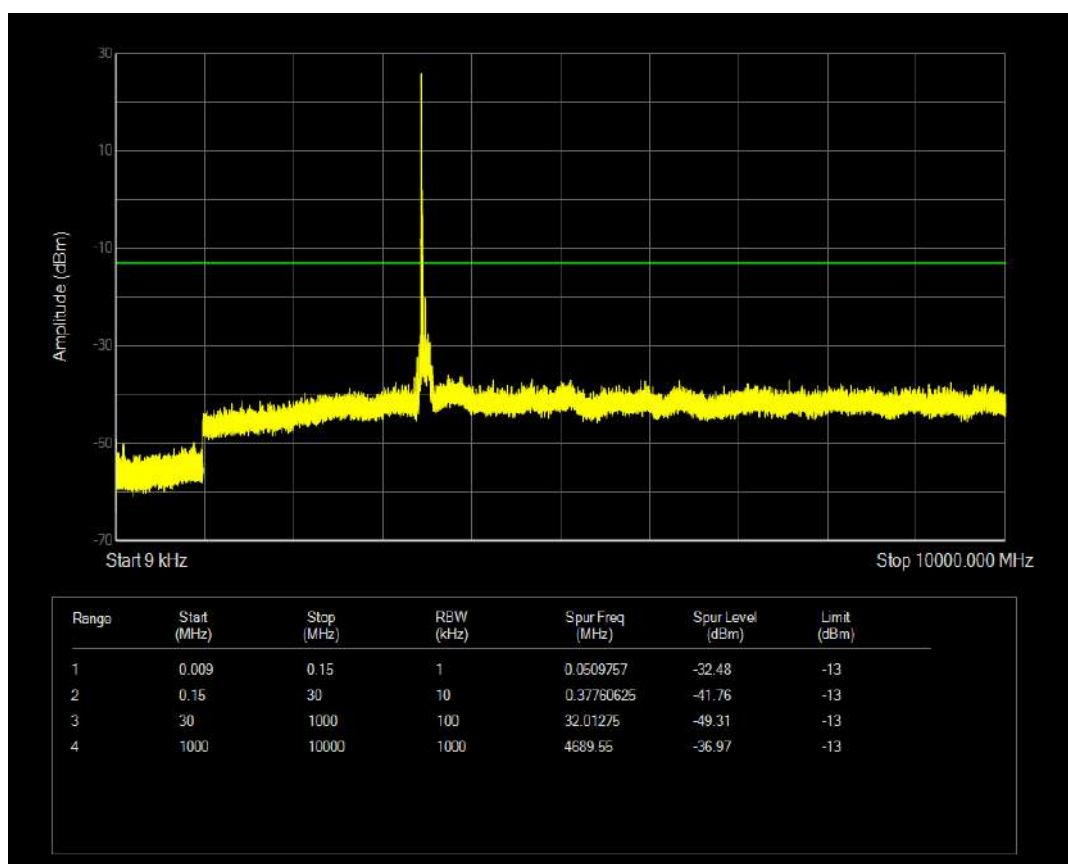
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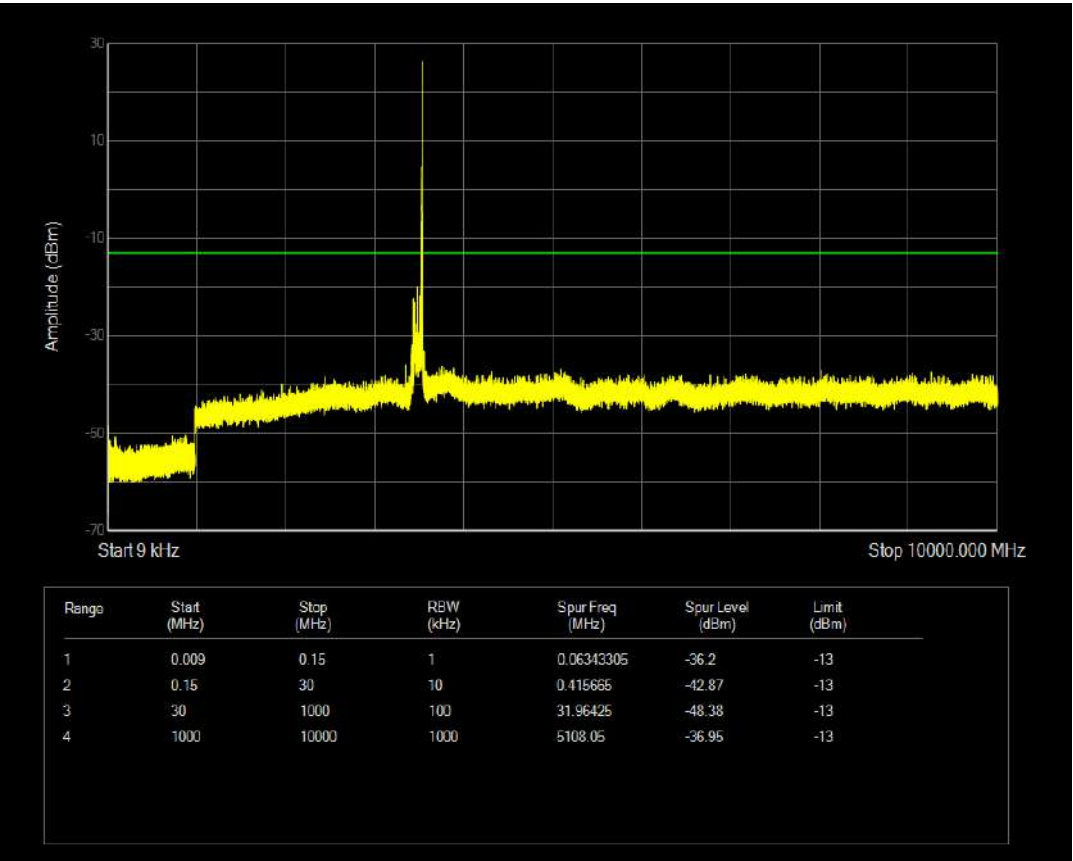
6 Out-of-band emissions for NR FR1

| Band           | SCS<br>(kHz) | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Allocation | Modulation | Spur Freq<br>(MHz) | Spur Level<br>(dBm) | Limit<br>(dBm) | Verdict |
|----------------|--------------|--------------------|---------------|------------------|------------|--------------------|---------------------|----------------|---------|
| n78(3450-3550) | 30           | 10                 | 630334        | 24@0             | CP_QPSK    | 0.06               | -35.90              | -13            | PASS    |
| n78(3450-3550) | 30           | 10                 | 630334        | 1@0              | CP_QPSK    | 0.05               | -31.89              | -13            | PASS    |
| n78(3450-3550) | 30           | 10                 | 630334        | 1@23             | CP_QPSK    | 0.05               | -34.34              | -13            | PASS    |
| n78(3450-3550) | 30           | 10                 | 636332        | 24@0             | CP_QPSK    | 0.05               | -33.01              | -13            | PASS    |
| n78(3450-3550) | 30           | 10                 | 636332        | 1@0              | CP_QPSK    | 0.05               | -32.09              | -13            | PASS    |
| n78(3450-3550) | 30           | 10                 | 636332        | 1@23             | CP_QPSK    | 0.06               | -32.92              | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 631668        | 133@0            | CP_QPSK    | 0.06               | -35.71              | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 631668        | 1@0              | CP_QPSK    | 0.05               | -31.63              | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 631668        | 1@132            | CP_QPSK    | 0.05               | -34.80              | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 635000        | 133@0            | CP_QPSK    | 0.05               | -30.42              | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 635000        | 1@0              | CP_QPSK    | 0.05               | -35.31              | -13            | PASS    |
| n78(3450-3550) | 30           | 50                 | 635000        | 1@132            | CP_QPSK    | 0.05               | -32.71              | -13            | PASS    |
| n78(3450-3550) | 30           | 100                | 633334        | 273@0            | CP_QPSK    | 0.05               | -31.43              | -13            | PASS    |
| n78(3450-3550) | 30           | 100                | 633334        | 1@0              | CP_QPSK    | 0.05               | -32.48              | -13            | PASS    |
| n78(3450-3550) | 30           | 100                | 633334        | 1@272            | CP_QPSK    | 0.06               | -36.20              | -13            | PASS    |

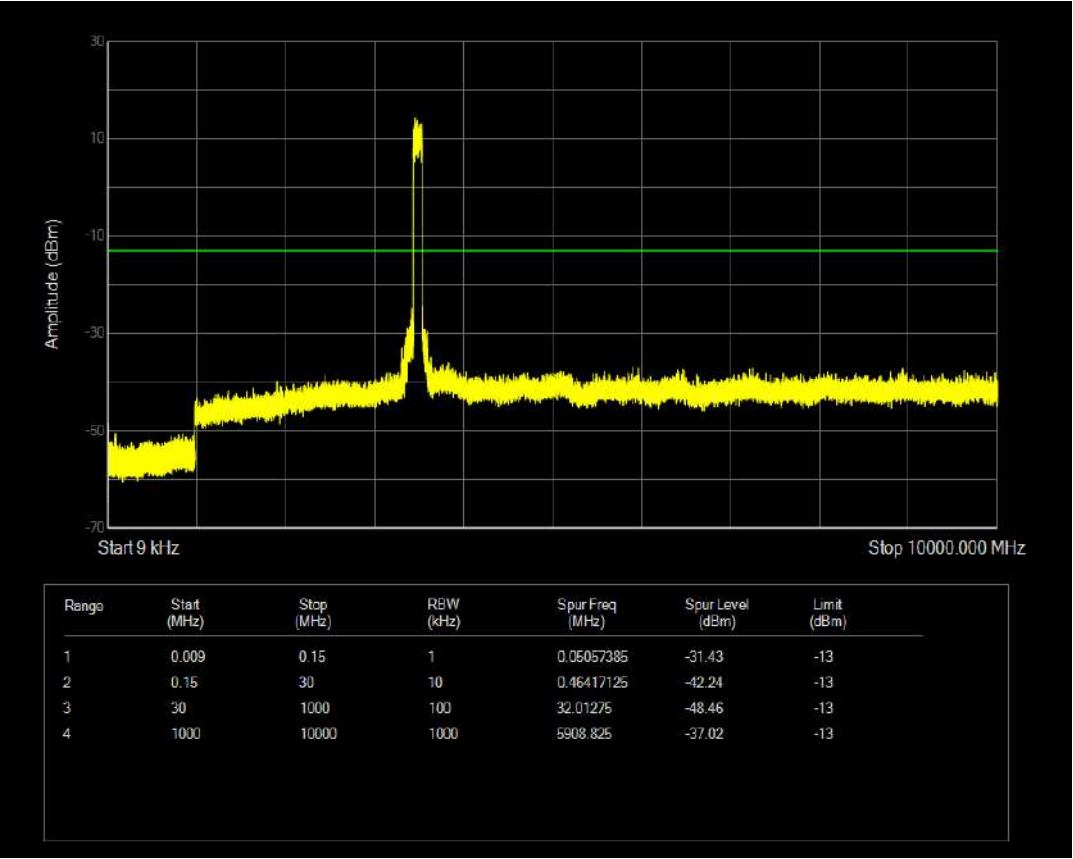
n78(3450-3550) SCS=30kHz CP\_QPSK BW=100MHz Channel=633334 RB=1@0



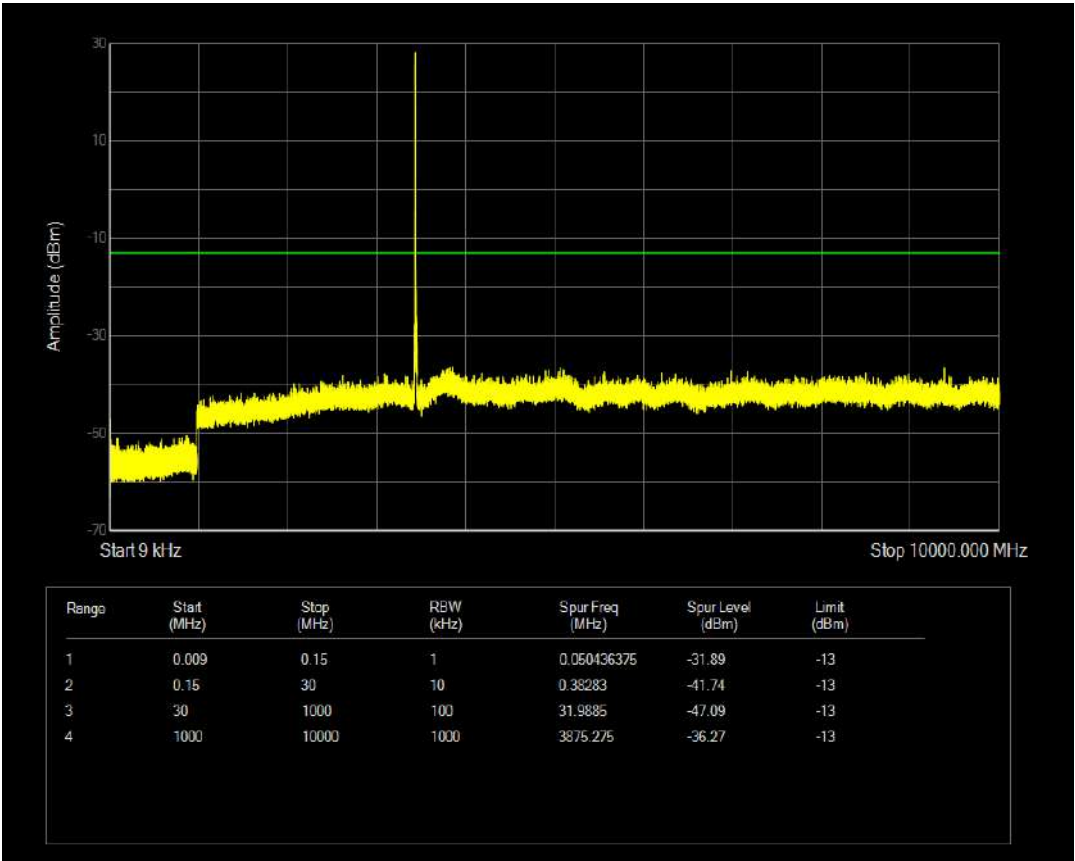
n78(3450-3550) SCS=30kHz CP\_QPSK BW=100MHz Channel=633334 RB=1@272



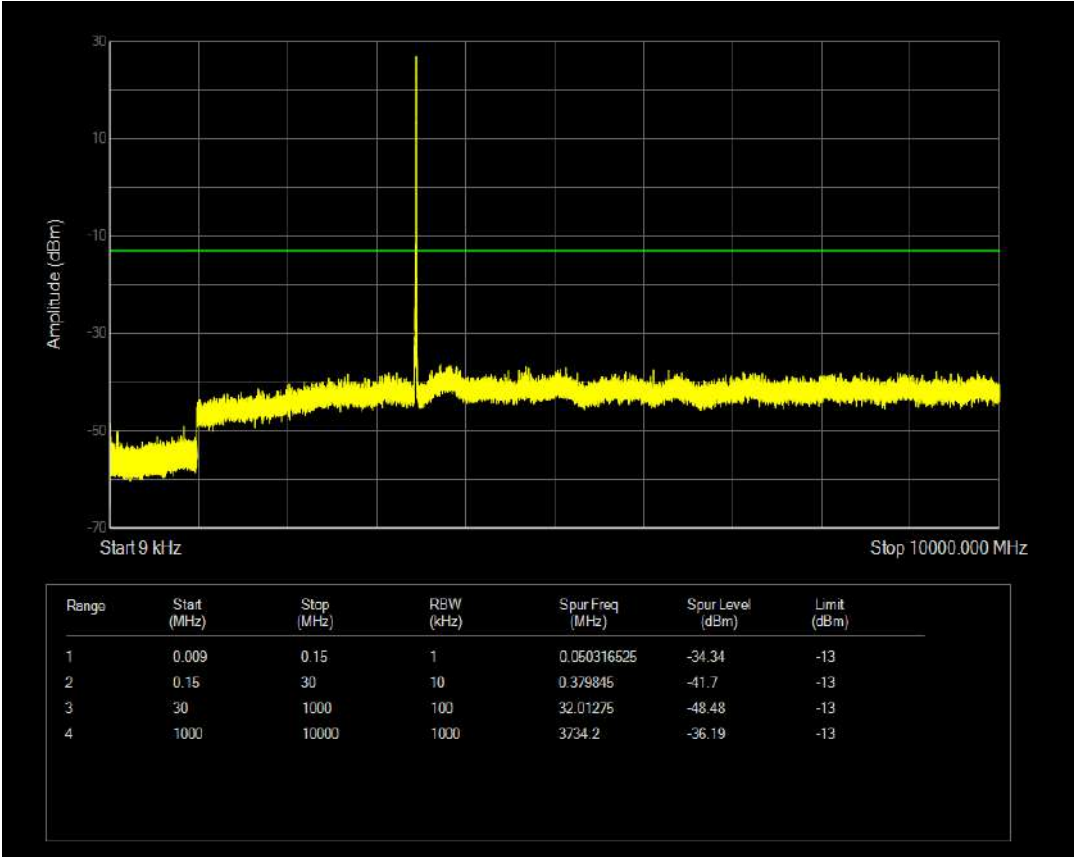
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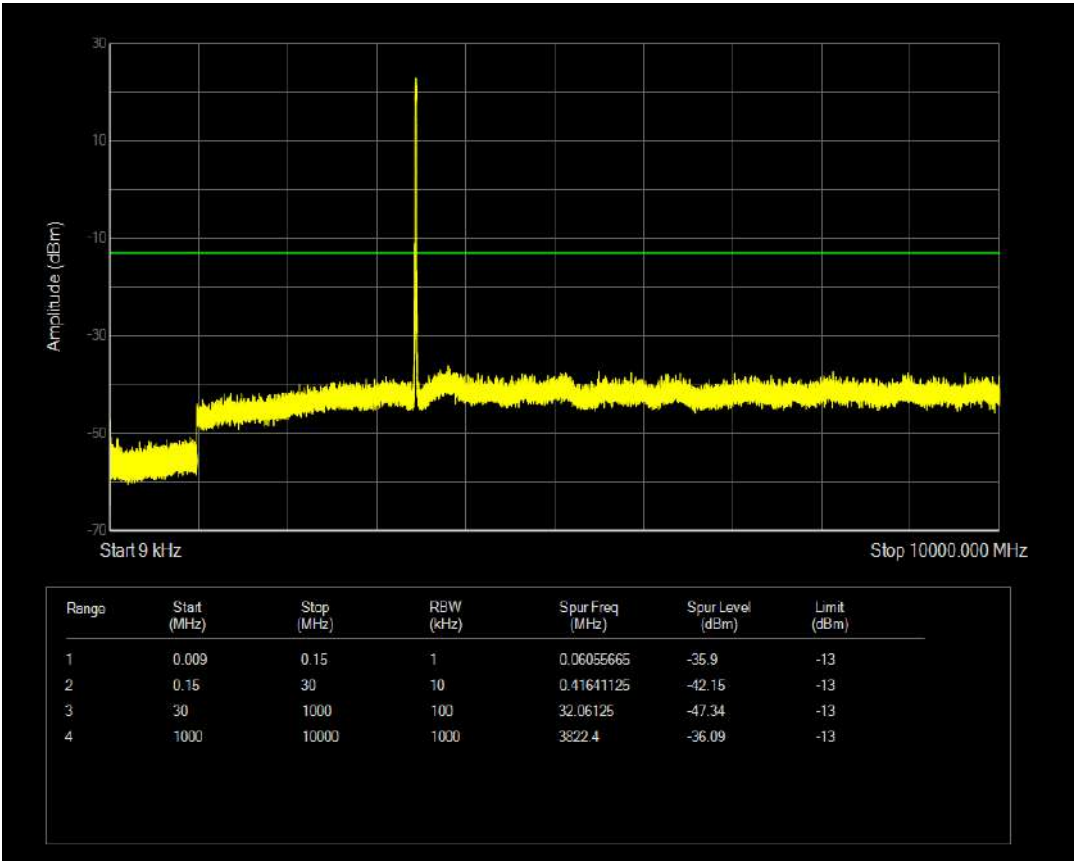
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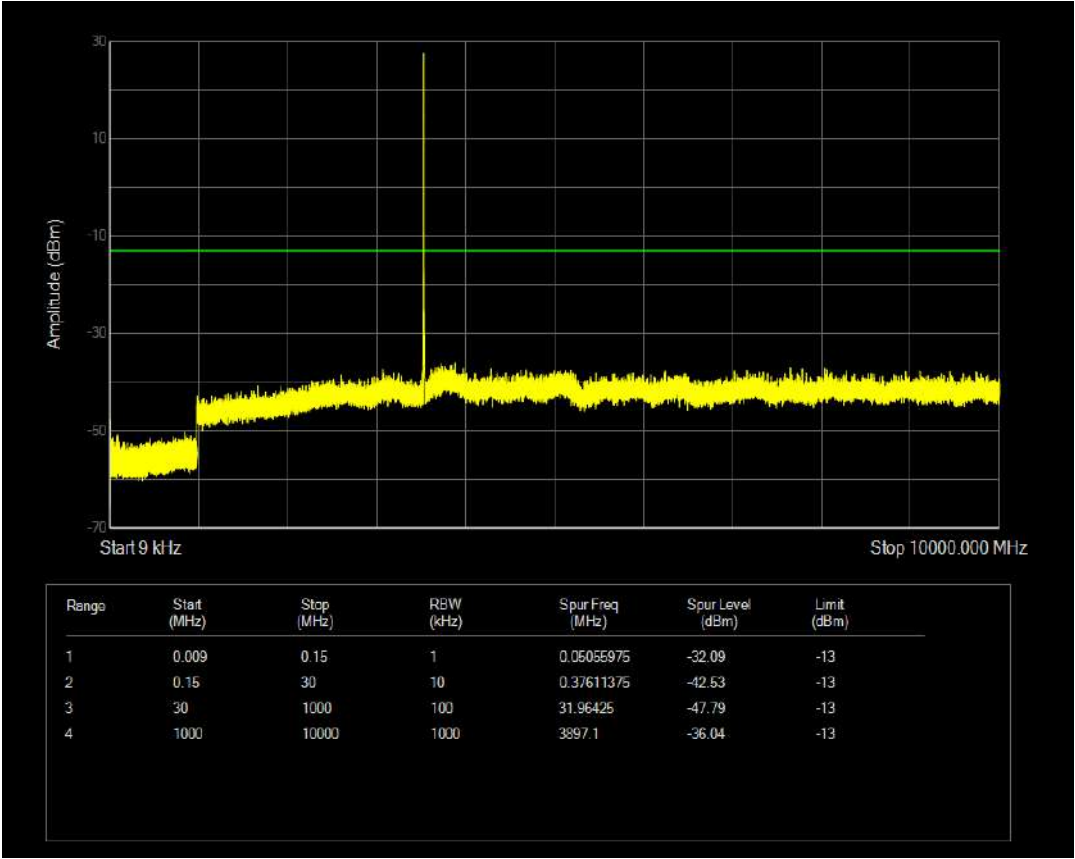
n78(3450-3550) SCS=30kHz CP\_QPSK BW=10MHz Channel=630334 RB=1@23



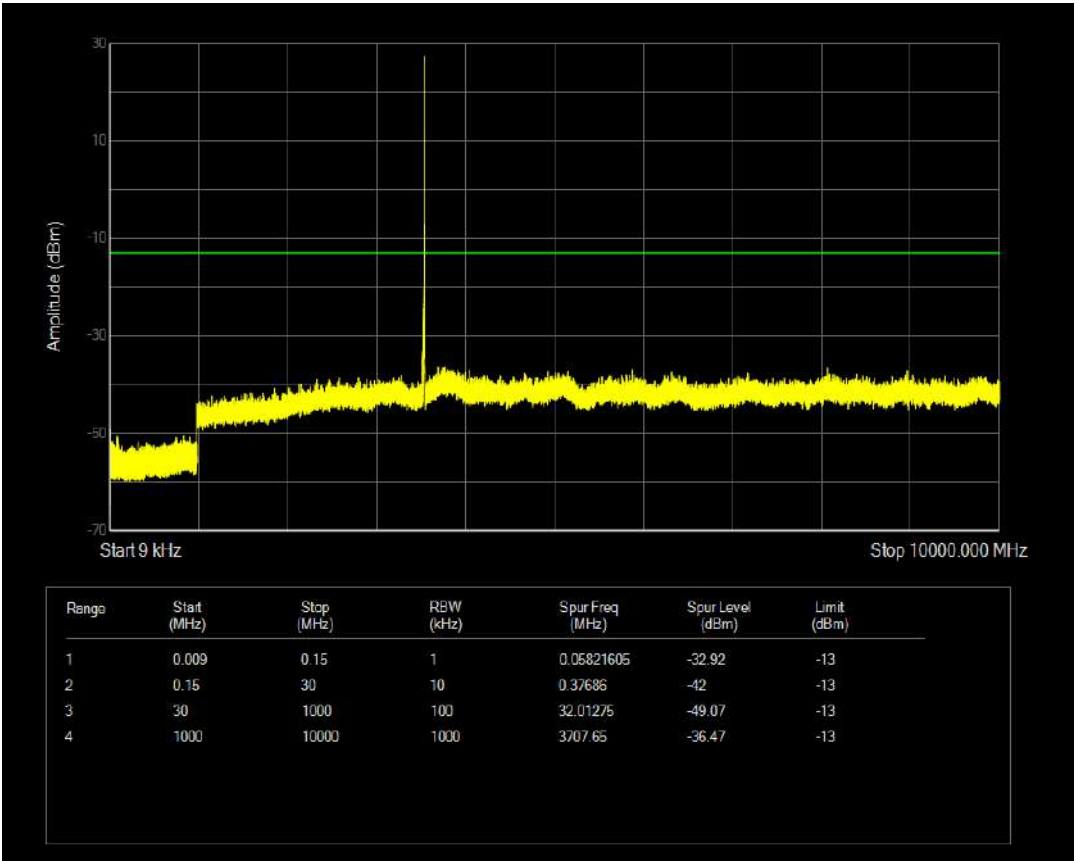
n78(3450-3550) SCS=30kHz CP\_QPSK BW=10MHz Channel=630334 RB=24@0



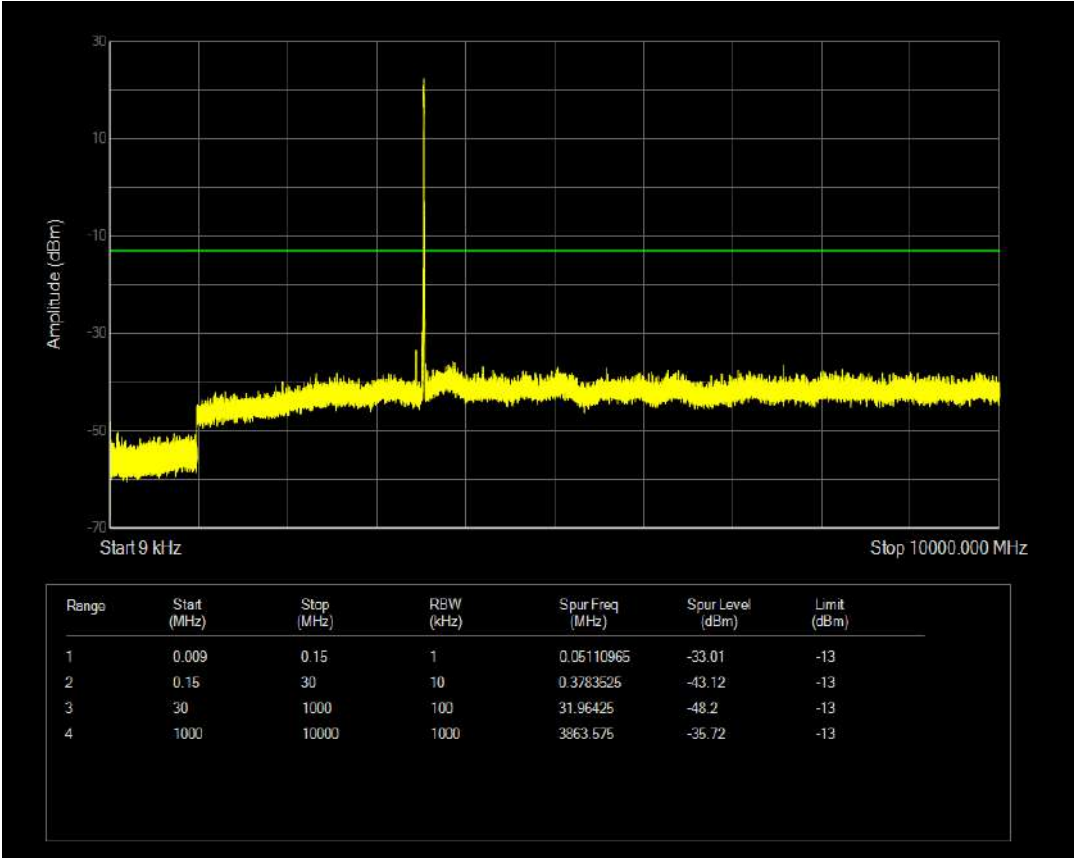
n78(3450-3550) SCS=30kHz CP\_QPSK BW=10MHz Channel=636332 RB=1@0



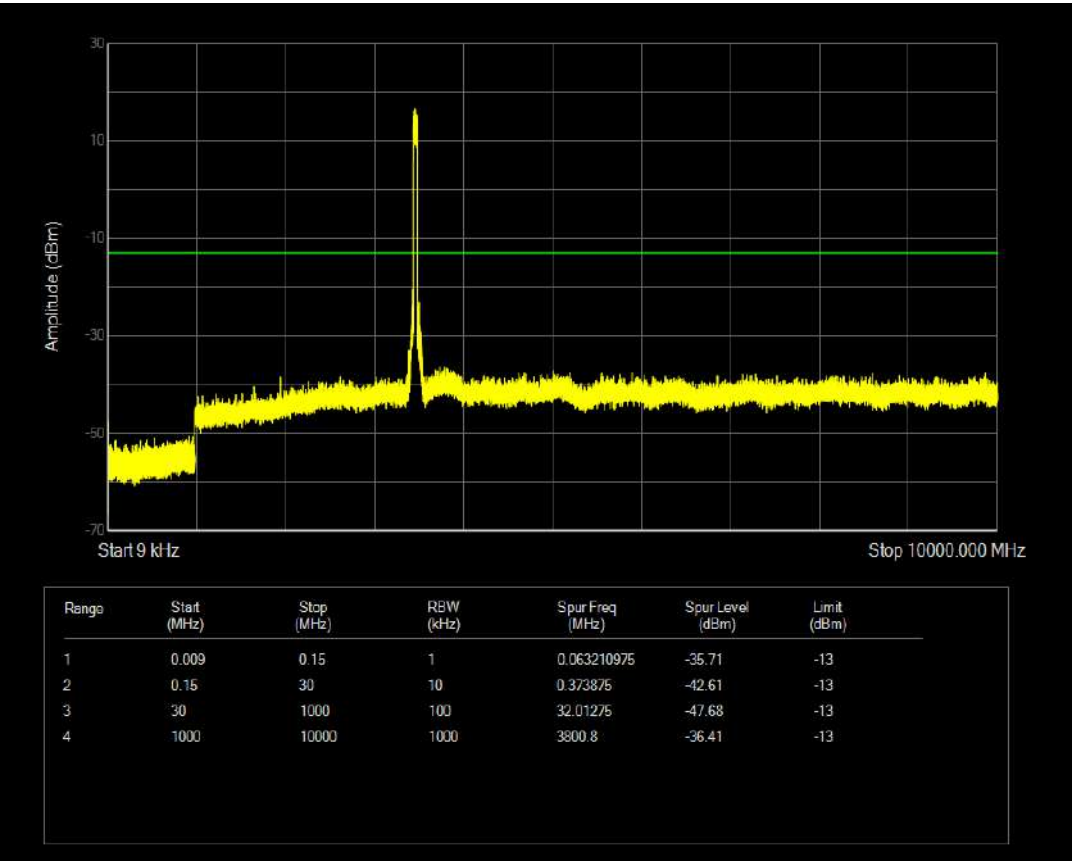
n78(3450-3550) SCS=30kHz CP\_QPSK BW=10MHz Channel=636332 RB=1@23



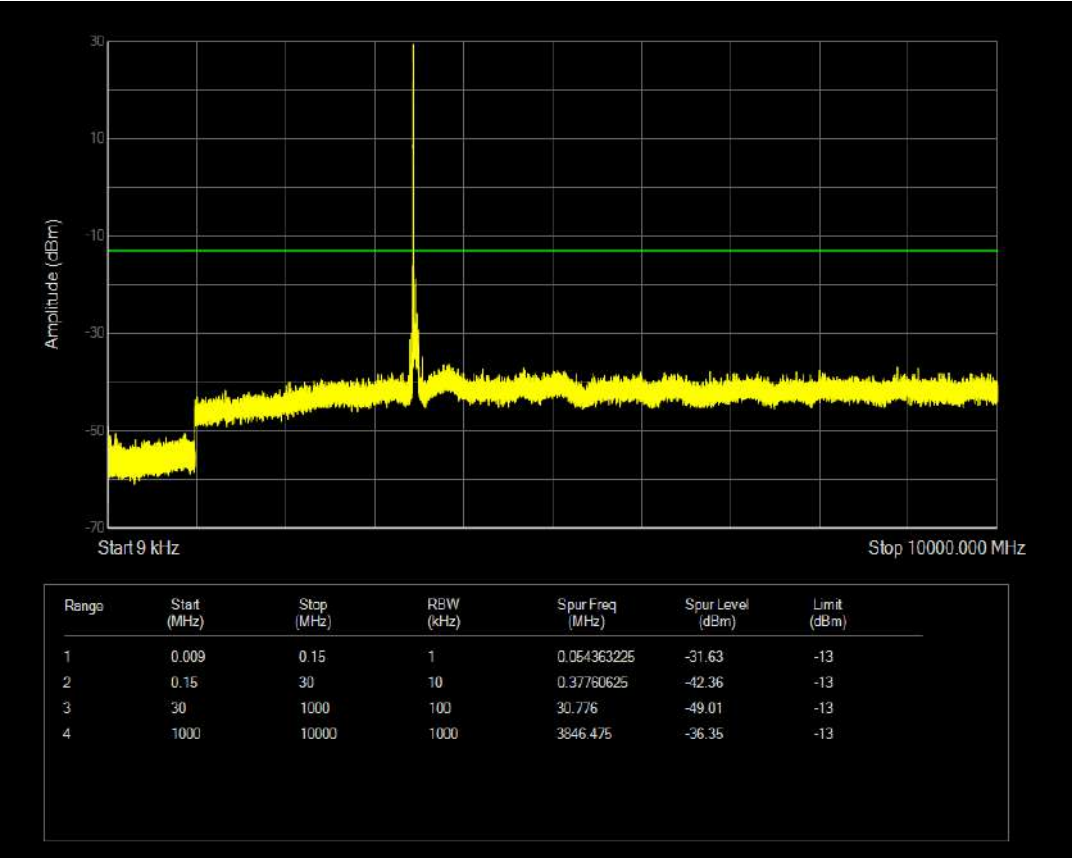
n78(3450-3550) SCS=30kHz CP\_QPSK BW=10MHz Channel=636332 RB=24@0



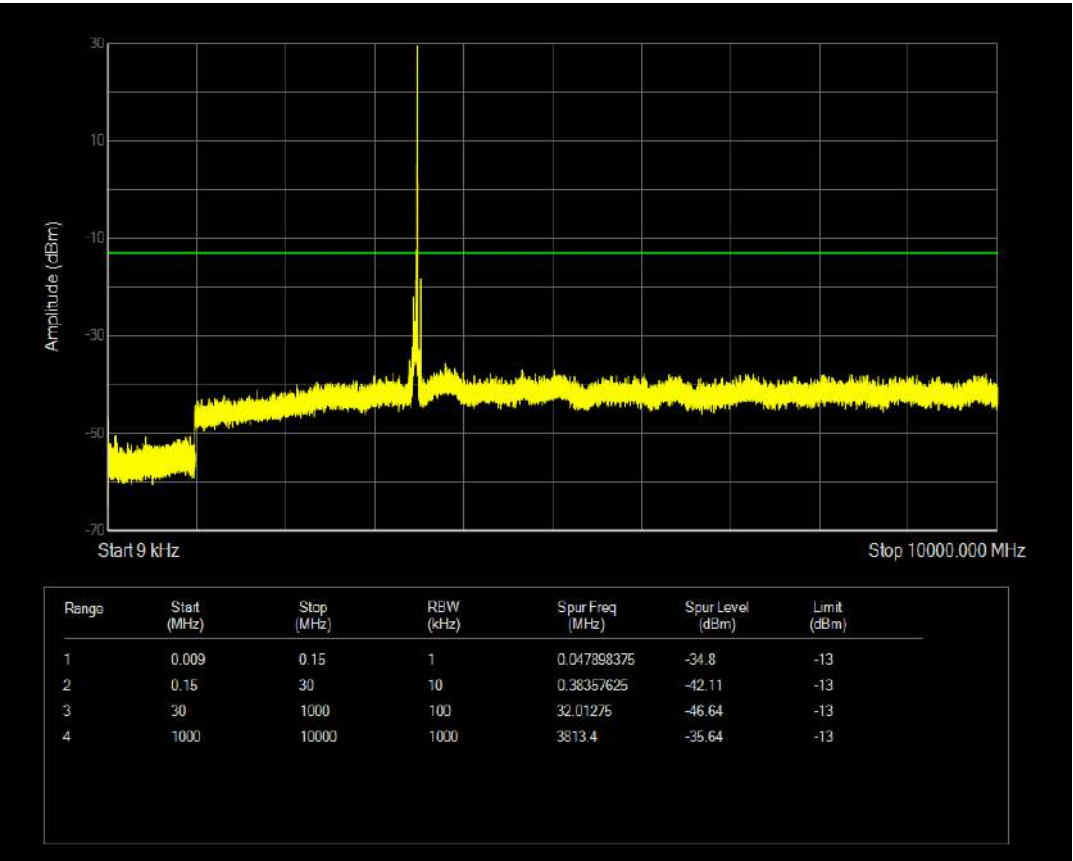
n78(3450-3550) SCS=30kHz CP\_QPSK BW=50MHz Channel=631668 RB=133@0



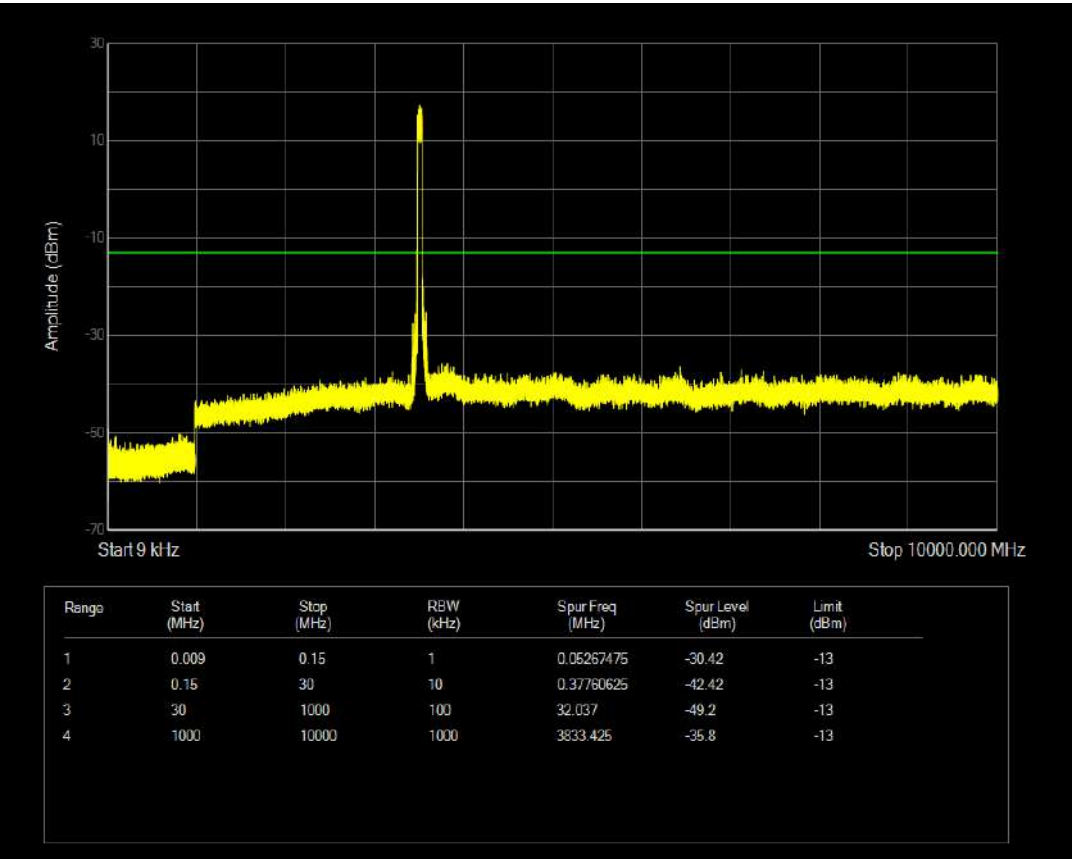
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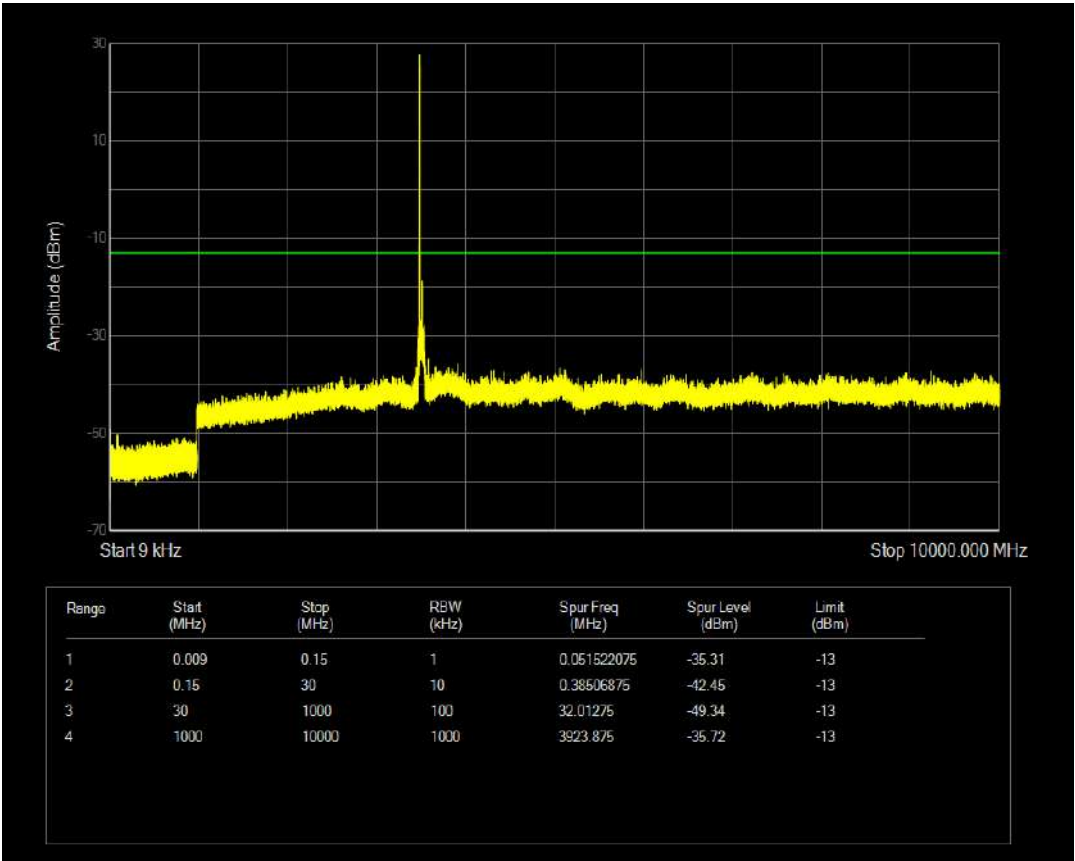
n78(3450-3550) SCS=30kHz CP\_QPSK BW=50MHz Channel=631668 RB=1@132



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

