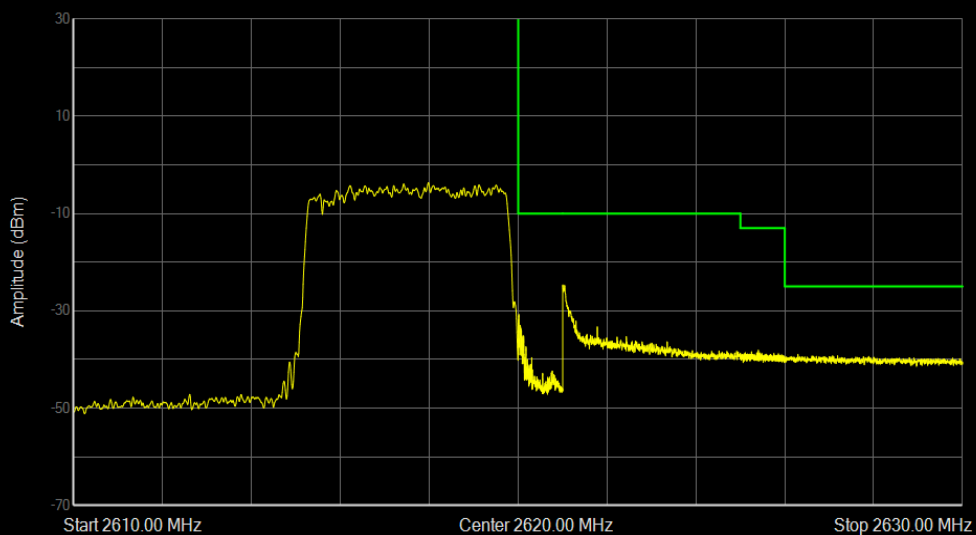




| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 2     | 2620        | 2621       | 100       | 2620.014        | -30.78           | -10         |
| 3     | 2621        | 2625       | 1000      | 2621.004        | -24.68           | -10         |
| 4     | 2625        | 2626       | 1000      | 2625.404        | -38.12           | -13         |
| 5     | 2626        | 2630       | 1000      | 2626.296        | -38.98           | -25         |

Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0



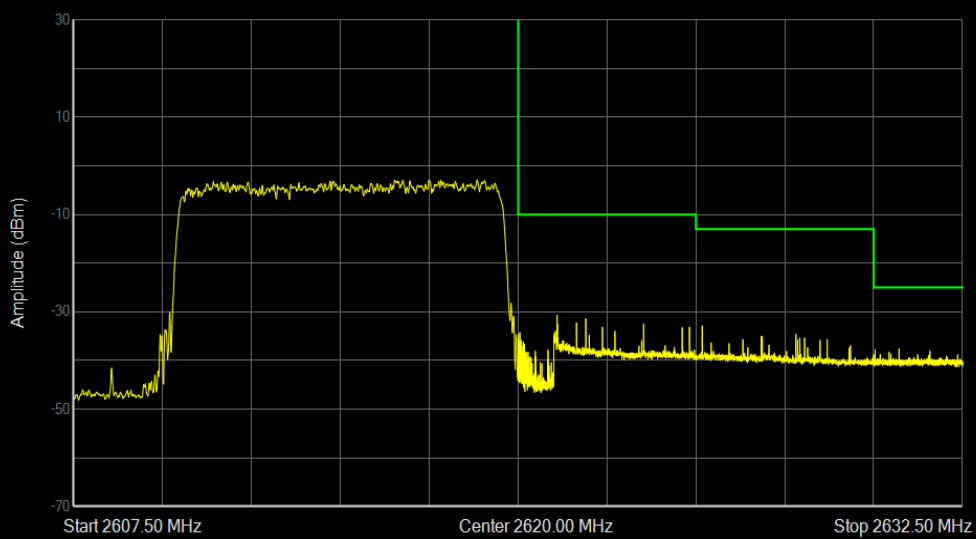
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 2557.5      | 2560       | 1000      | 2559.9575       | -36.27           | -25         |
| 2     | 2560        | 2565       | 1000      | 2563.15         | -31.54           | -13         |
| 3     | 2565        | 2569       | 1000      | 2568.884        | -25.15           | -10         |
| 4     | 2569        | 2570       | 200       | 2569.953        | -31.16           | -10         |

Band38 QAM16 BW=10MHz Channel=37800 RB Size=50 Position=#0



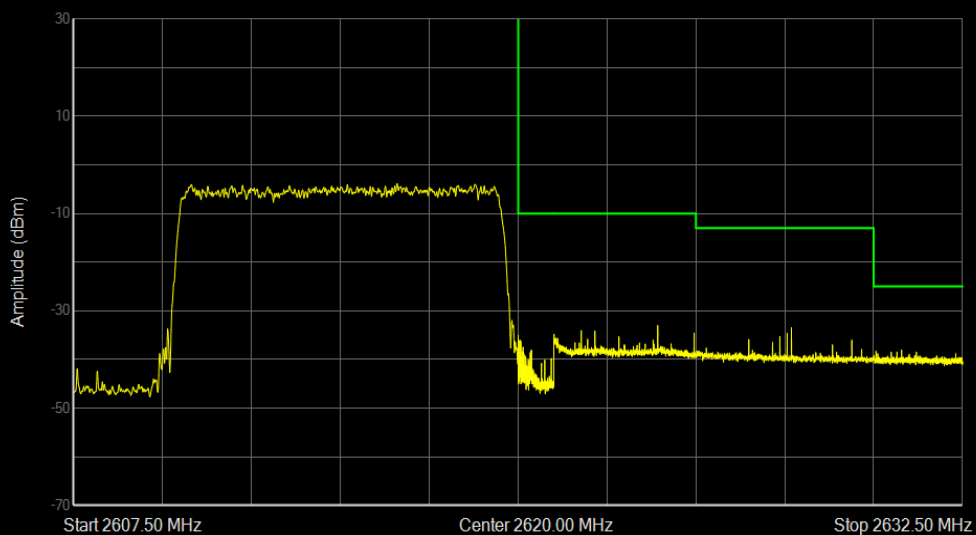
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 2557.5      | 2560       | 1000      | 2559.3925       | -35.64           | -25         |
| 2     | 2560        | 2565       | 1000      | 2564.68         | -31.48           | -13         |
| 3     | 2565        | 2569       | 1000      | 2568.548        | -28.15           | -10         |
| 4     | 2569        | 2570       | 200       | 2569.989        | -32.84           | -10         |

Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 2     | 2620        | 2621       | 200       | 2620.046        | -34.26           | -10         |
| 3     | 2621        | 2625       | 1000      | 2621.092        | -30.67           | -10         |
| 4     | 2625        | 2630       | 1000      | 2625.175        | -32.89           | -13         |
| 5     | 2630        | 2632.5     | 1000      | 2630.7125       | -37.61           | -25         |

Band38 QAM16 BW=10MHz Channel=38200 RB Size=50 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 2     | 2620        | 2621       | 200       | 2620.052        | -36.09           | -10         |
| 3     | 2621        | 2625       | 1000      | 2623.924        | -33.04           | -10         |
| 4     | 2625        | 2630       | 1000      | 2627.685        | -33.48           | -13         |
| 5     | 2630        | 2632.5     | 1000      | 2630.7825       | -38.05           | -25         |

Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 2551.25     | 2555       | 1000      | 2553.98375      | -39.62           | -25         |
| 2     | 2555        | 2565       | 1000      | 2562.38         | -37.33           | -13         |
| 3     | 2565        | 2569       | 1000      | 2568.764        | -30.07           | -10         |
| 4     | 2569        | 2570       | 300       | 2569.95         | -32.92           | -10         |

Band38 QAM16 BW=15MHz Channel=37825 RB Size=75 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 2551.25     | 2555       | 1000      | 2554.89875      | -39.42           | -25         |
| 2     | 2555        | 2565       | 1000      | 2563.86         | -38.18           | -13         |
| 3     | 2565        | 2569       | 1000      | 2568.944        | -31.56           | -10         |
| 4     | 2569        | 2570       | 300       | 2569.923        | -33.11           | -10         |

Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 2     | 2620        | 2621       | 300       | 2620.058        | -34.04           | -10         |
| 3     | 2621        | 2625       | 1000      | 2621.184        | -33.02           | -10         |
| 4     | 2625        | 2635       | 1000      | 2625.99         | -37.25           | -13         |
| 5     | 2635        | 2638.75    | 1000      | 2635.19875      | -39.59           | -25         |

Band38 QAM16 BW=15MHz Channel=38175 RB Size=75 Position=#0



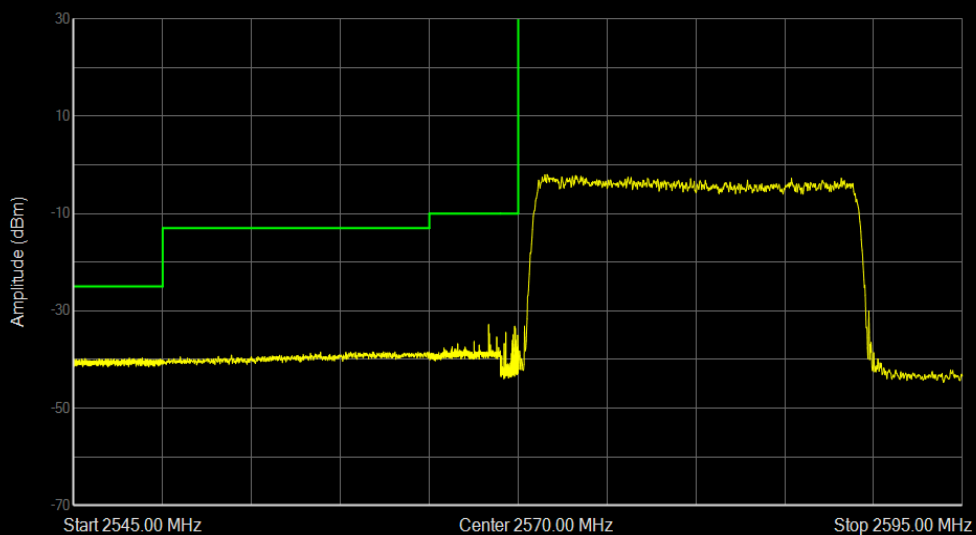
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 2     | 2620        | 2621       | 300       | 2620.356        | -33.11           | -10         |
| 3     | 2621        | 2625       | 1000      | 2621.112        | -32.42           | -10         |
| 4     | 2625        | 2635       | 1000      | 2625.22         | -38              | -13         |
| 5     | 2635        | 2638.75    | 1000      | 2635.525        | -39.33           | -25         |

Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0



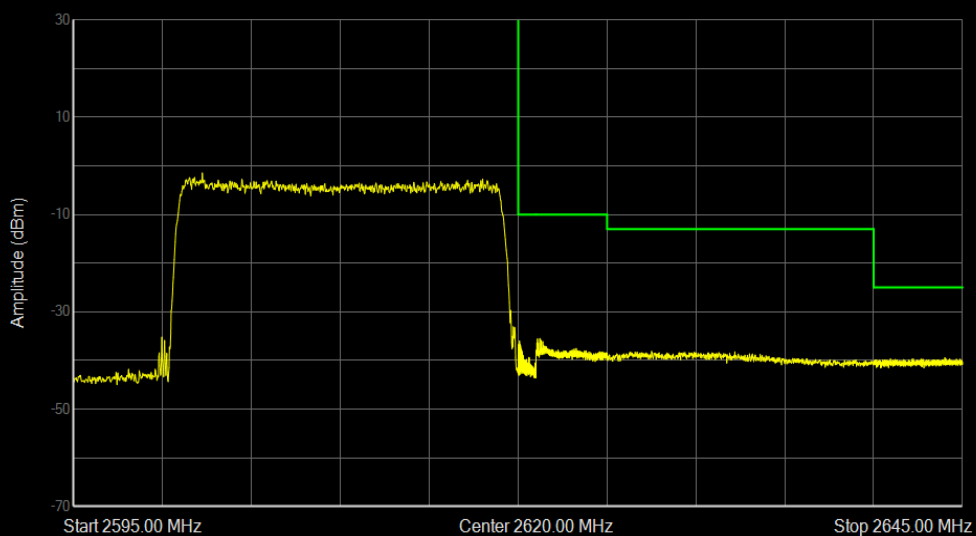
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 2545        | 2550       | 1000      | 2548.85         | -39.77           | -25         |
| 2     | 2550        | 2565       | 1000      | 2563.845        | -38.59           | -13         |
| 3     | 2565        | 2569       | 1000      | 2568.708        | -32.66           | -10         |
| 4     | 2569        | 2570       | 430       | 2569.903        | -34.55           | -10         |

Band38 QAM16 BW=20MHz Channel=37850 RB Size=100 Position=#0



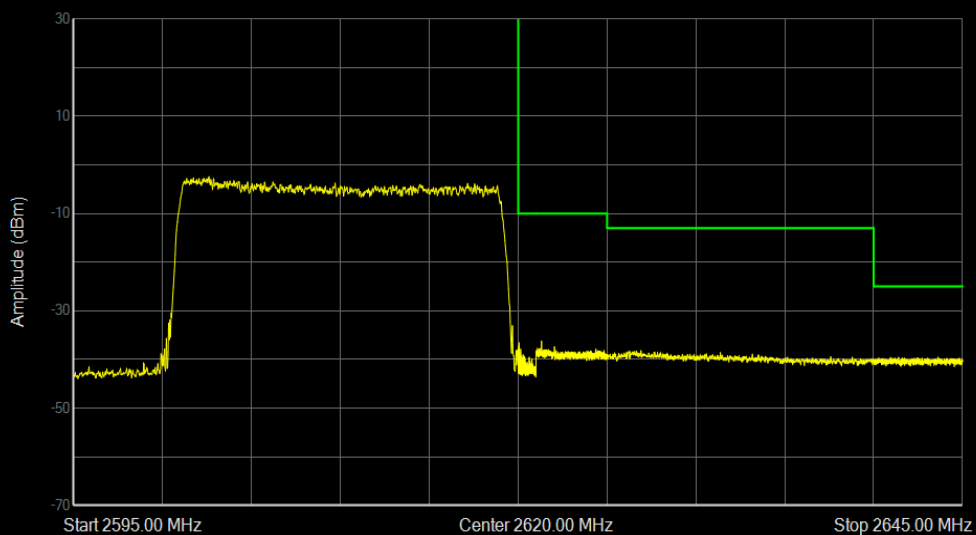
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 2545        | 2550       | 1000      | 2548.845        | -39.71           | -25         |
| 2     | 2550        | 2565       | 1000      | 2564.97         | -38.43           | -13         |
| 3     | 2565        | 2569       | 1000      | 2568.336        | -32.81           | -10         |
| 4     | 2569        | 2570       | 430       | 2569.8          | -33.16           | -10         |

Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 2     | 2620        | 2621       | 430       | 2620.075        | -35.99           | -10         |
| 3     | 2621        | 2625       | 1000      | 2621.216        | -35.47           | -10         |
| 4     | 2625        | 2640       | 1000      | 2627.505        | -38.13           | -13         |
| 5     | 2640        | 2645       | 1000      | 2644.005        | -39.43           | -25         |

Band38 QAM16 BW=20MHz Channel=38150 RB Size=100 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 2     | 2620        | 2621       | 430       | 2620.052        | -36.57           | -10         |
| 3     | 2621        | 2625       | 1000      | 2621.308        | -36.22           | -10         |
| 4     | 2625        | 2640       | 1000      | 2626.905        | -38.17           | -13         |
| 5     | 2640        | 2645       | 1000      | 2643.61         | -39.53           | -25         |

Band41(2555-2655) QPSK BW=5MHz Channel=40265 RB Size=25 Position=#0



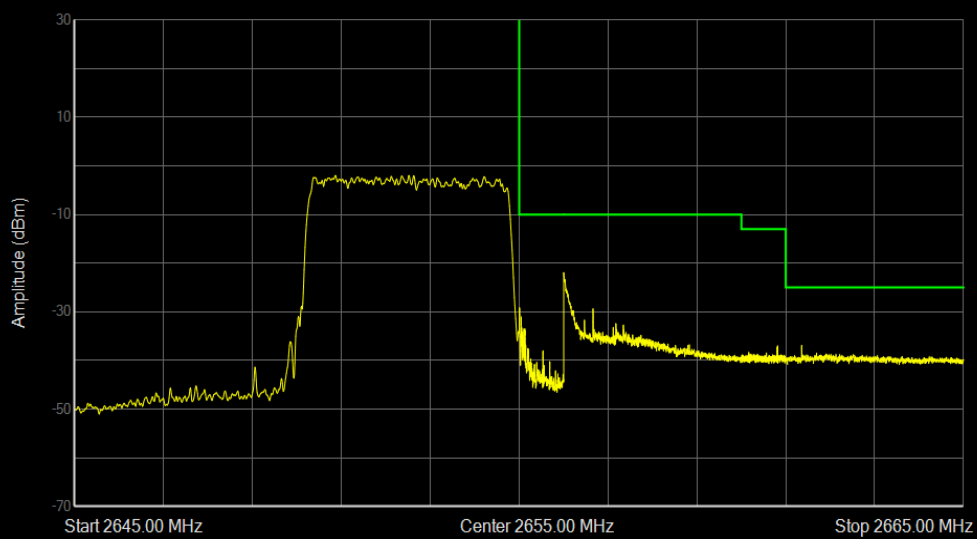
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 2545        | 2549       | 1000      | 2548.832        | -35.71           | -25         |
| 2     | 2549        | 2550       | 1000      | 2549.257        | -35.35           | -13         |
| 3     | 2550        | 2554       | 1000      | 2553.936        | -21.6            | -10         |
| 4     | 2554        | 2555       | 100       | 2554.993        | -31.09           | -10         |

Band41(2555-2655) QAM16 BW=5MHz Channel=40265 RB Size=25 Position=#0



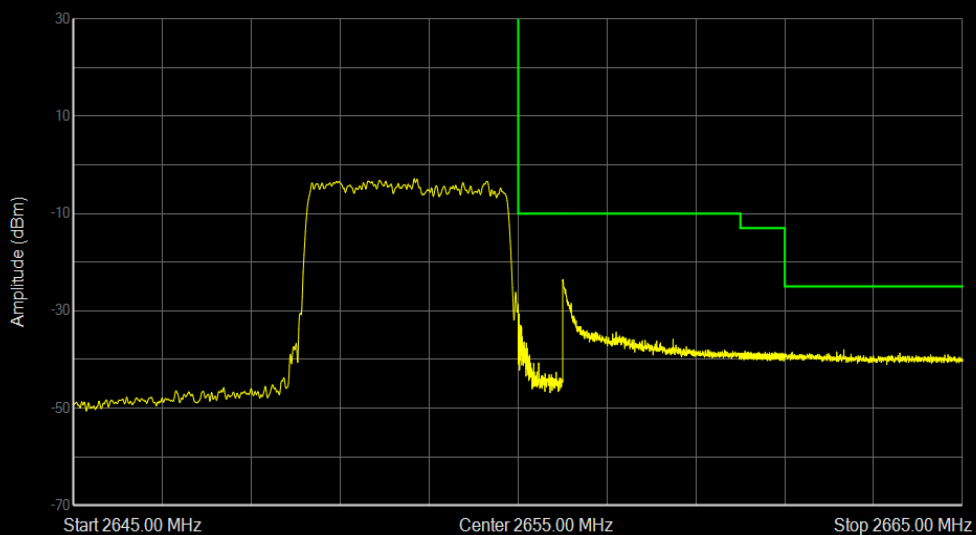
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 2545        | 2549       | 1000      | 2548.308        | -37.3            | -25         |
| 2     | 2549        | 2550       | 1000      | 2549.665        | -37.22           | -13         |
| 3     | 2550        | 2554       | 1000      | 2554            | -23.31           | -10         |
| 4     | 2554        | 2555       | 100       | 2554.962        | -30.14           | -10         |

Band41(2555-2655) QPSK BW=5MHz Channel=41215 RB Size=25 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 2     | 2655        | 2656       | 100       | 2655.007        | -29.18           | -10         |
| 3     | 2656        | 2660       | 1000      | 2656.004        | -22.22           | -10         |
| 4     | 2660        | 2661       | 1000      | 2660.815        | -36.99           | -13         |
| 5     | 2661        | 2665       | 1000      | 2661.356        | -36.89           | -25         |

Band41(2555-2655) QAM16 BW=5MHz Channel=41215 RB Size=25 Position=#0



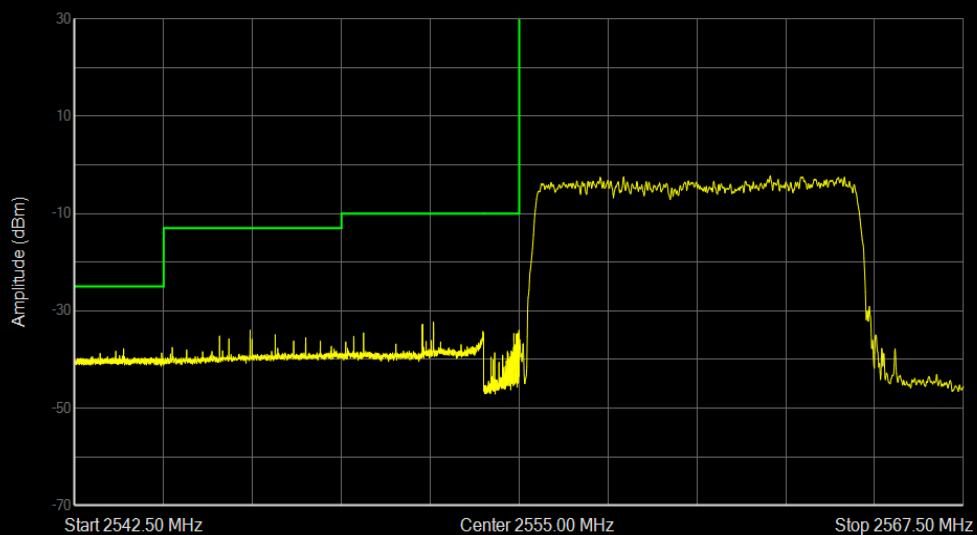
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 2     | 2655        | 2656       | 100       | 2655.018        | -30.64           | -10         |
| 3     | 2656        | 2660       | 1000      | 2656.008        | -23.56           | -10         |
| 4     | 2660        | 2661       | 1000      | 2660.102        | -38.27           | -13         |
| 5     | 2661        | 2665       | 1000      | 2662.328        | -37.99           | -25         |

Band41(2555-2655) QPSK BW=10MHz Channel=40290 RB Size=50 Position=#0



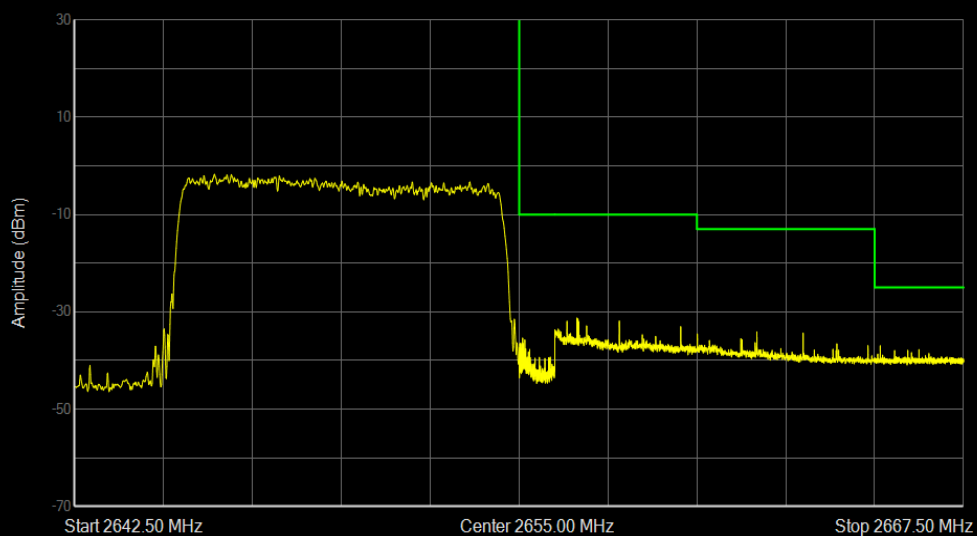
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 2542.5      | 2545       | 1000      | 2544.335        | -37.77           | -25         |
| 2     | 2545        | 2550       | 1000      | 2549.225        | -31.74           | -13         |
| 3     | 2550        | 2554       | 1000      | 2553.64         | -30.15           | -10         |
| 4     | 2554        | 2555       | 200       | 2554.949        | -30.77           | -10         |

Band41(2555-2655) QAM16 BW=10MHz Channel=40290 RB Size=50 Position=#0



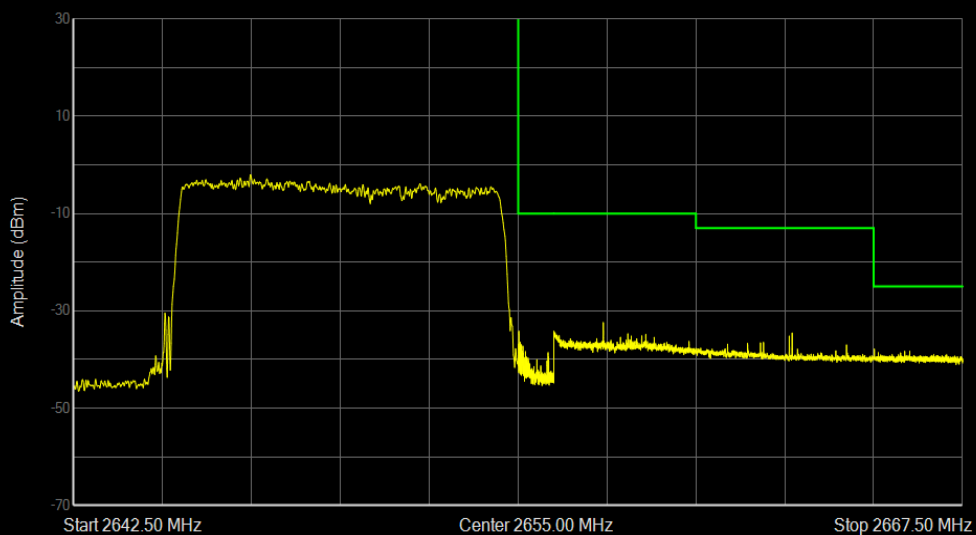
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 2542.5      | 2545       | 1000      | 2543.87         | -37.82           | -25         |
| 2     | 2545        | 2550       | 1000      | 2547.43         | -33.99           | -13         |
| 3     | 2550        | 2554       | 1000      | 2552.588        | -32.31           | -10         |
| 4     | 2554        | 2555       | 200       | 2554.991        | -33.99           | -10         |

Band41(2555-2655) QPSK BW=10MHz Channel=41190 RB Size=50 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 2     | 2655        | 2656       | 200       | 2655.097        | -35.41           | -10         |
| 3     | 2656        | 2660       | 1000      | 2656.624        | -31.28           | -10         |
| 4     | 2660        | 2665       | 1000      | 2661.685        | -34.11           | -13         |
| 5     | 2665        | 2667.5     | 1000      | 2665.155        | -36.98           | -25         |

Band41(2555-2655) QAM16 BW=10MHz Channel=41190 RB Size=50 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 2     | 2655        | 2656       | 200       | 2655.019        | -34.2            | -10         |
| 3     | 2656        | 2660       | 1000      | 2657.392        | -32.41           | -10         |
| 4     | 2660        | 2665       | 1000      | 2662.705        | -34.56           | -13         |
| 5     | 2665        | 2667.5     | 1000      | 2665.0175       | -37.86           | -25         |

Band41(2555-2655) QPSK BW=15MHz Channel=40315 RB Size=75 Position=#0



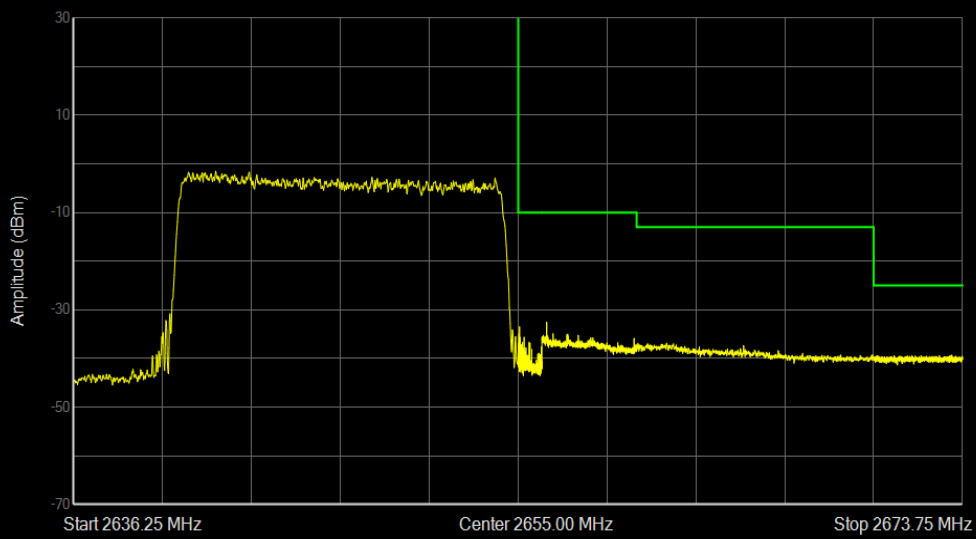
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 2536.25     | 2540       | 1000      | 2539.21625      | -39.48           | -25         |
| 2     | 2540        | 2550       | 1000      | 2546.23         | -37.43           | -13         |
| 3     | 2550        | 2554       | 1000      | 2553.72         | -28.95           | -10         |
| 4     | 2554        | 2555       | 300       | 2554.963        | -32.33           | -10         |

Band41(2555-2655) QAM16 BW=15MHz Channel=40315 RB Size=75 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 2536.25     | 2540       | 1000      | 2539.11125      | -39.61           | -25         |
| 2     | 2540        | 2550       | 1000      | 2547.34         | -37.14           | -13         |
| 3     | 2550        | 2554       | 1000      | 2553.848        | -34.65           | -10         |
| 4     | 2554        | 2555       | 300       | 2554.953        | -33.28           | -10         |

Band41(2555-2655) QPSK BW=15MHz Channel=41165 RB Size=75 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 2     | 2655        | 2656       | 300       | 2655.056        | -33.49           | -10         |
| 3     | 2656        | 2660       | 1000      | 2656.2          | -32.52           | -10         |
| 4     | 2660        | 2670       | 1000      | 2661.26         | -36.86           | -13         |
| 5     | 2670        | 2673.75    | 1000      | 2673.29625      | -39.29           | -25         |

Band41(2555-2655) QAM16 BW=15MHz Channel=41165 RB Size=75 Position=#0



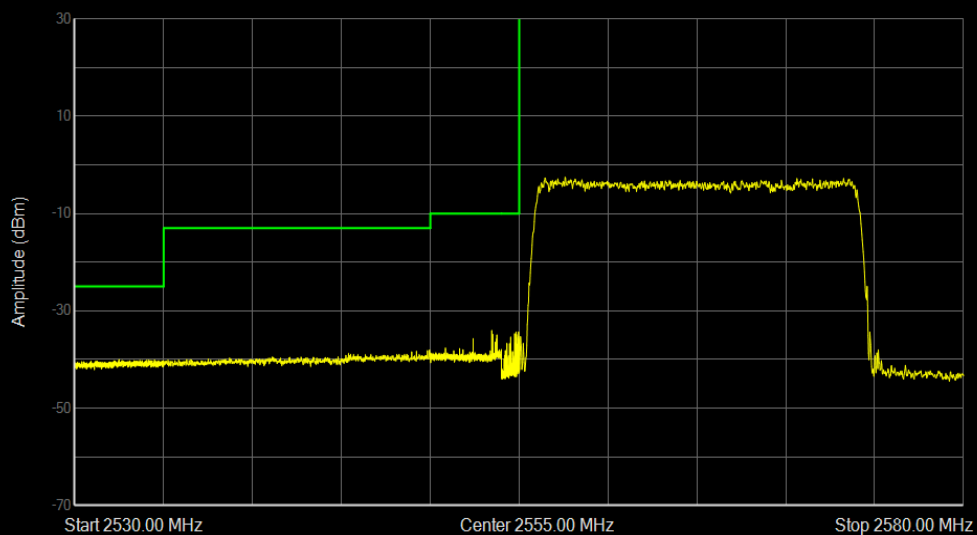
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 2     | 2655        | 2656       | 300       | 2655.022        | -34.95           | -10         |
| 3     | 2656        | 2660       | 1000      | 2657.684        | -35.27           | -10         |
| 4     | 2660        | 2670       | 1000      | 2660.31         | -37.27           | -13         |
| 5     | 2670        | 2673.75    | 1000      | 2670.94125      | -39.22           | -25         |

Band41(2555-2655) QPSK BW=20MHz Channel=40340 RB Size=100 Position=#0

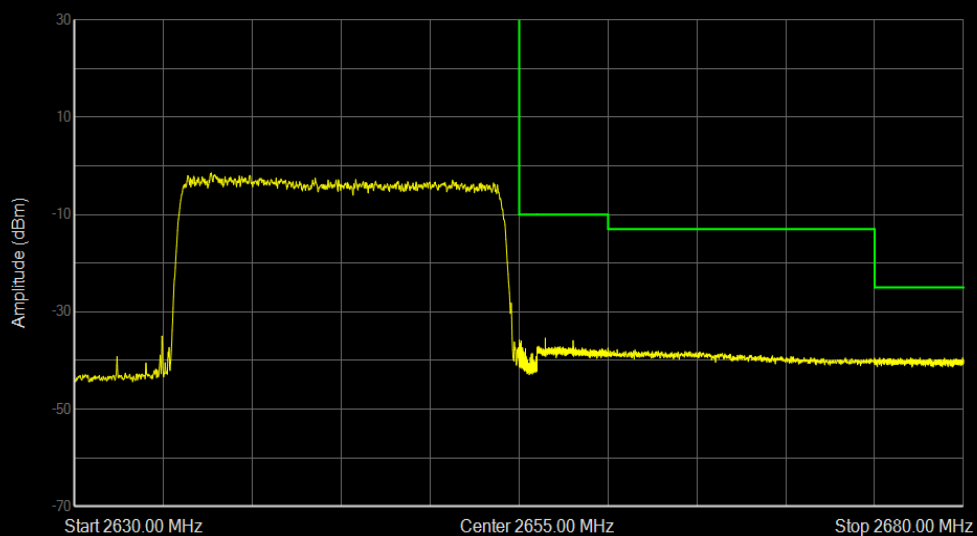


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 2530        | 2535       | 1000      | 2532.455        | -40.09           | -25         |
| 2     | 2535        | 2550       | 1000      | 2549.415        | -37.78           | -13         |
| 3     | 2550        | 2554       | 1000      | 2552.948        | -33.68           | -10         |
| 4     | 2554        | 2555       | 430       | 2554.967        | -32.75           | -10         |

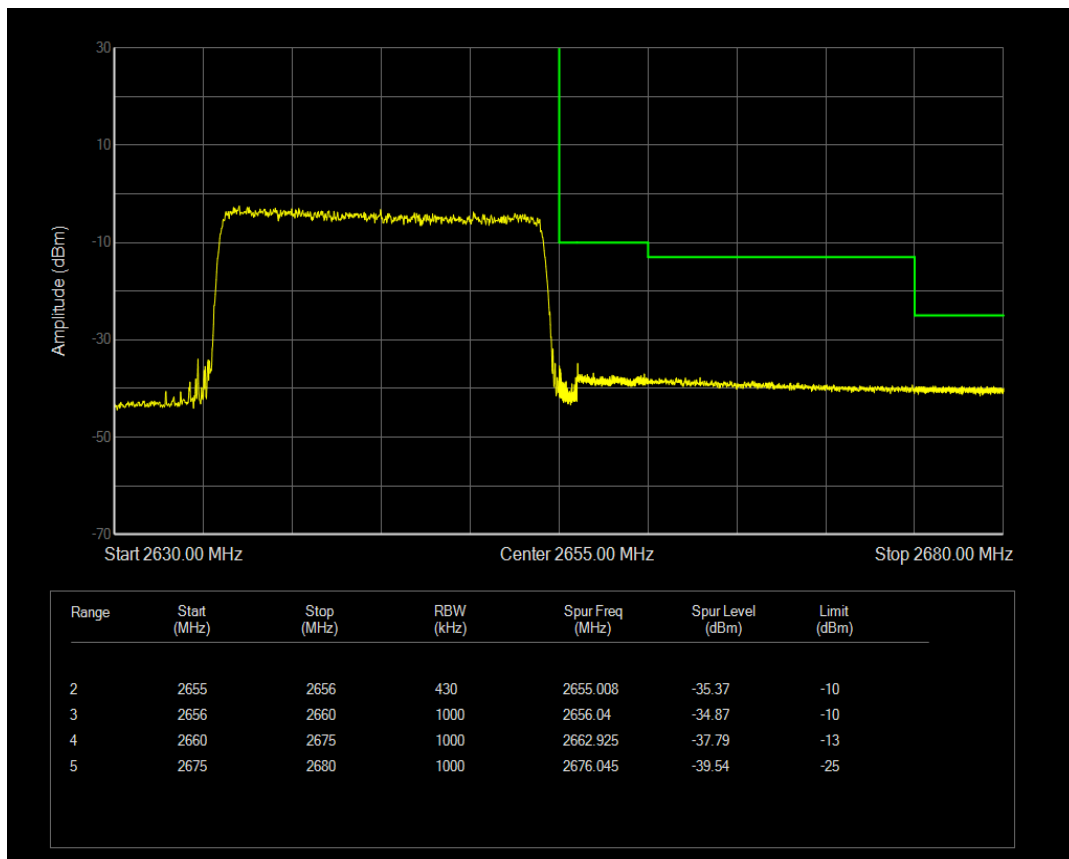
Band41(2555-2655) QAM16 BW=20MHz Channel=40340 RB Size=100 Position=#0



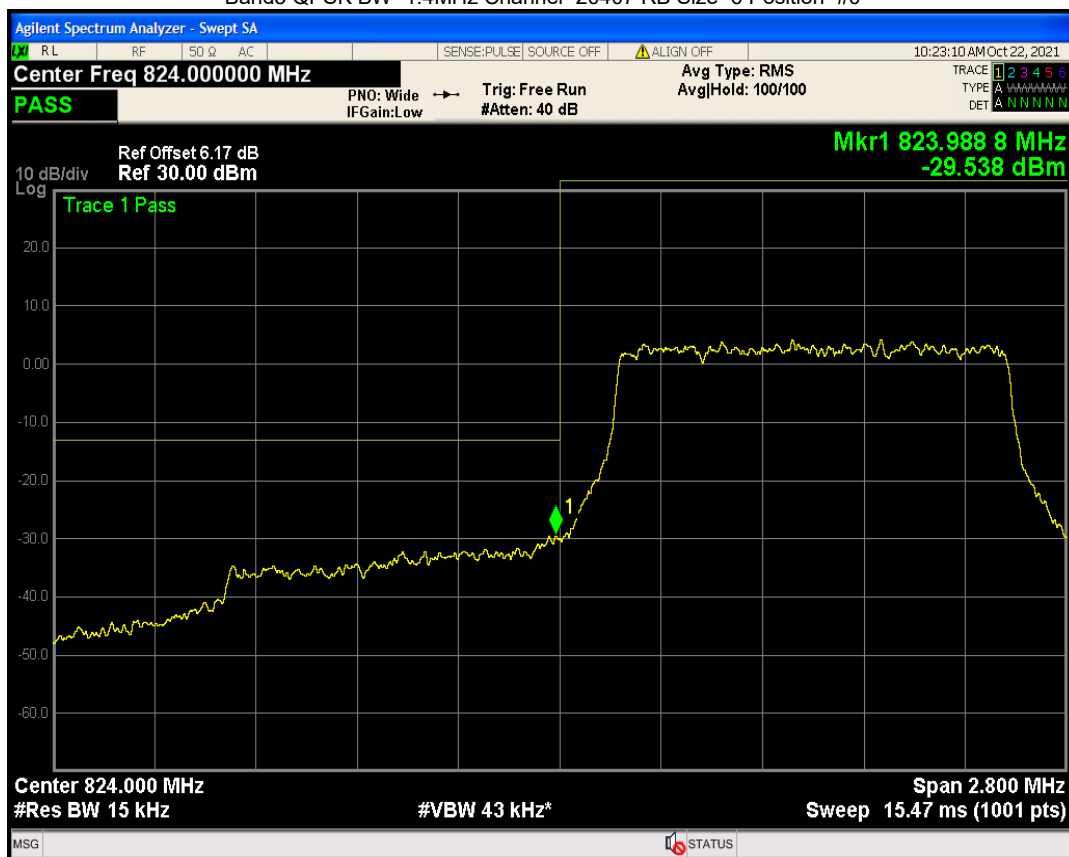
Band41(2555-2655) QPSK BW=20MHz Channel=41140 RB Size=100 Position=#0



Band41(2555-2655) QAM16 BW=20MHz Channel=41140 RB Size=100 Position=#0



Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0



Band5 QAM16 BW=1.4MHz Channel=20407 RB Size=6 Position=#0



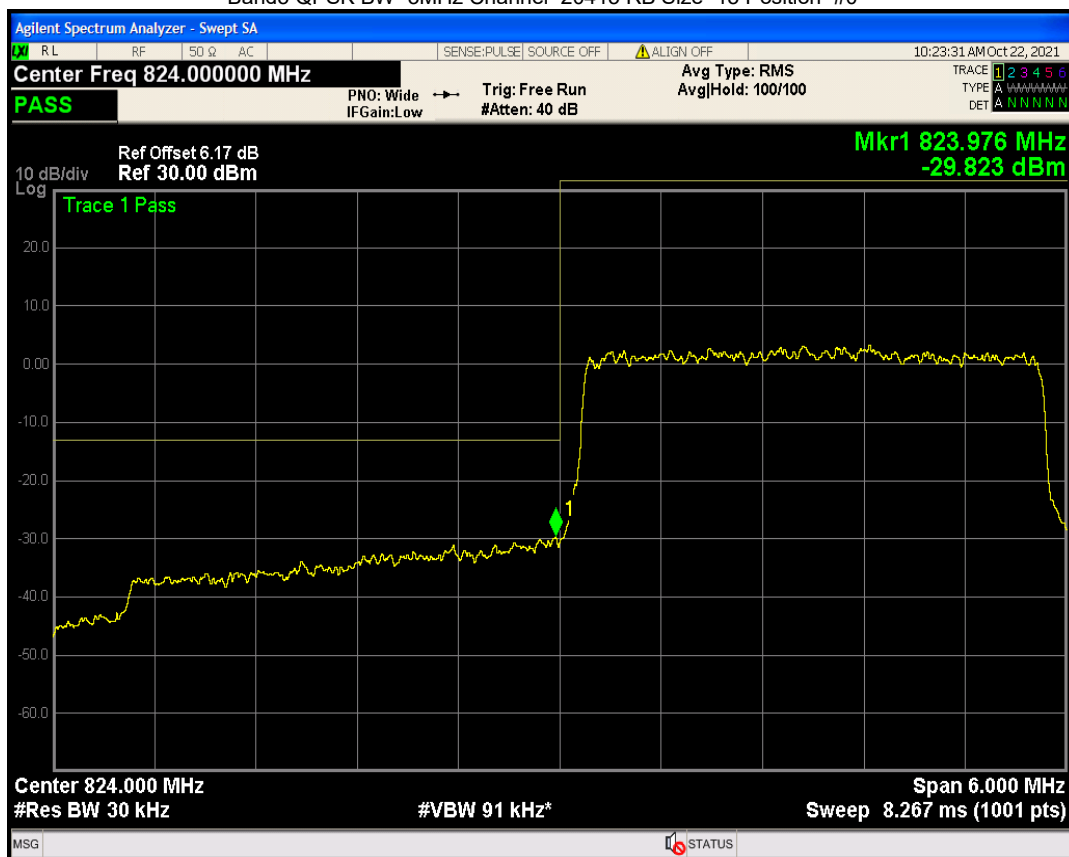
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



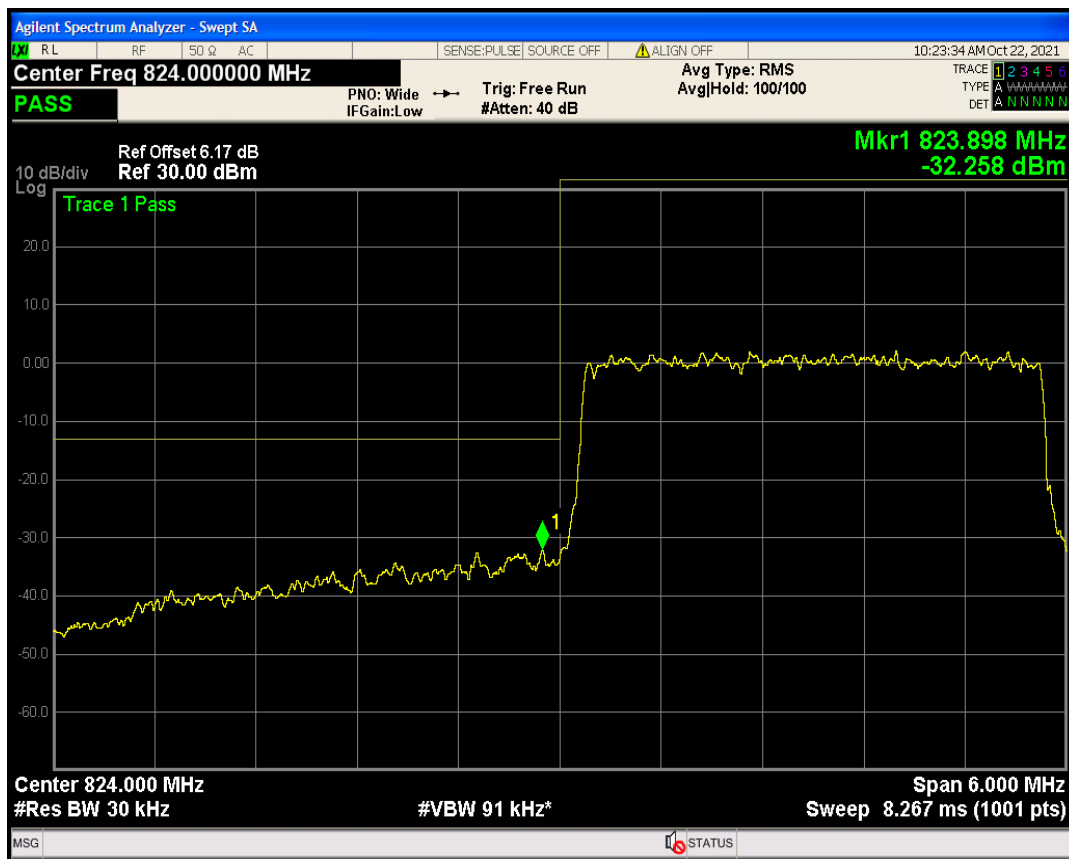
Band5 QAM16 BW=1.4MHz Channel=20643 RB Size=6 Position=#0



Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



Band5 QAM16 BW=3MHz Channel=20415 RB Size=15 Position=#0



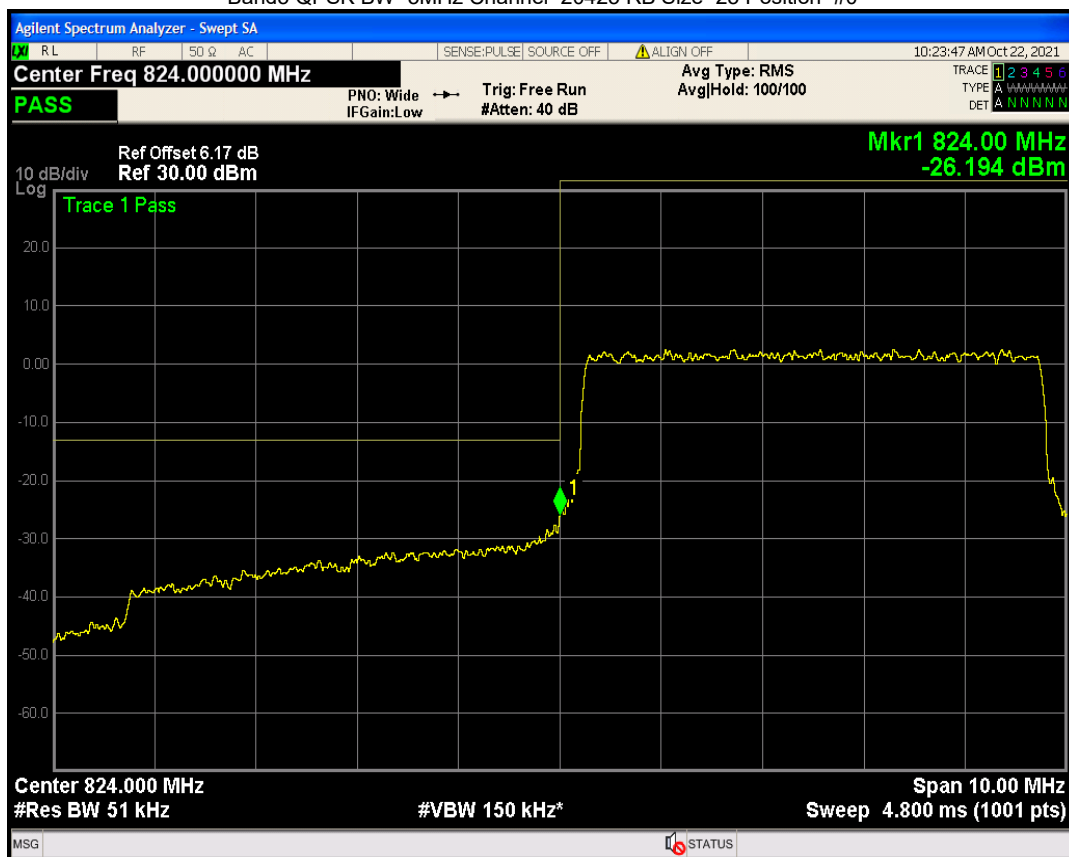
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



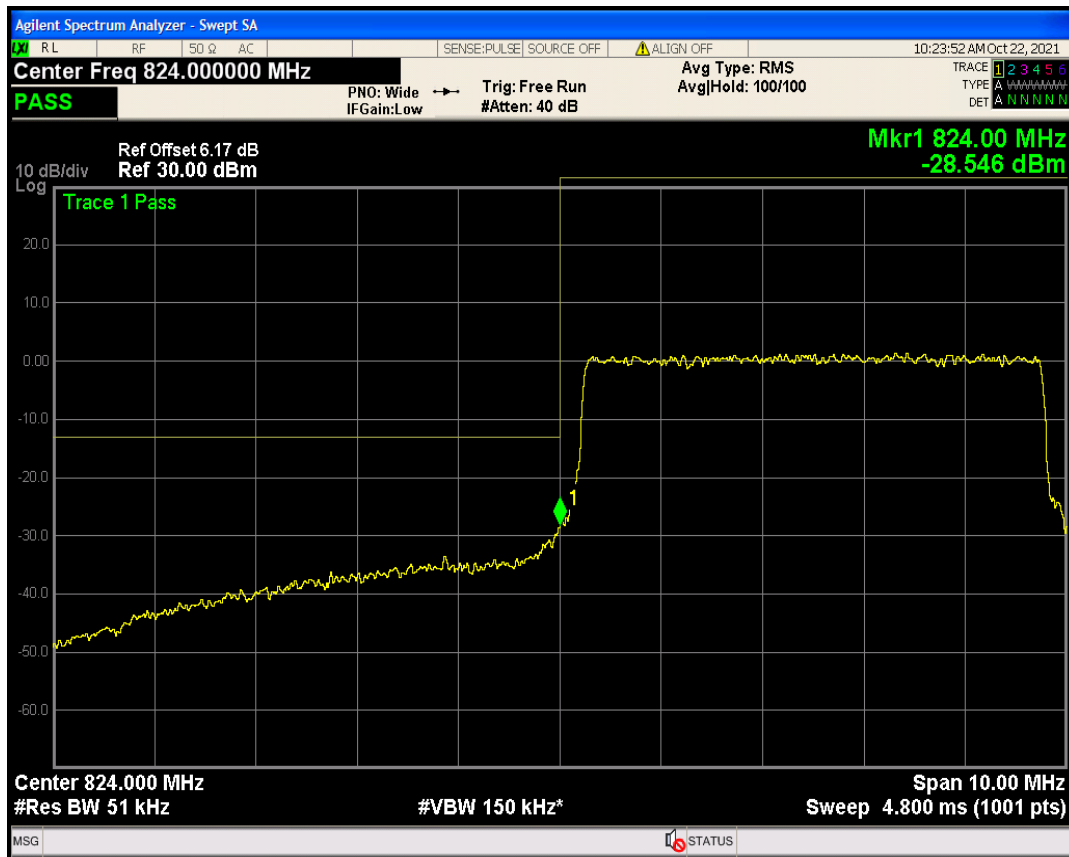
Band5 QAM16 BW=3MHz Channel=20635 RB Size=15 Position=#0



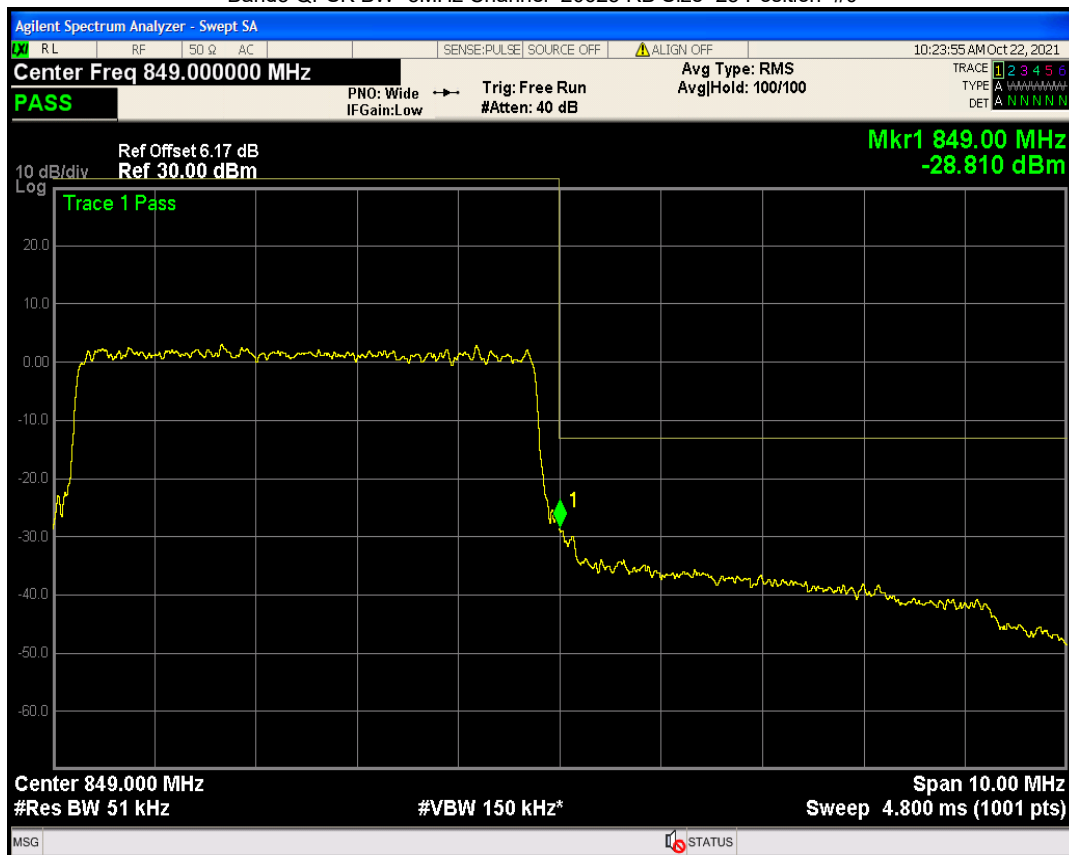
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



Band5 QAM16 BW=5MHz Channel=20425 RB Size=25 Position=#0



Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



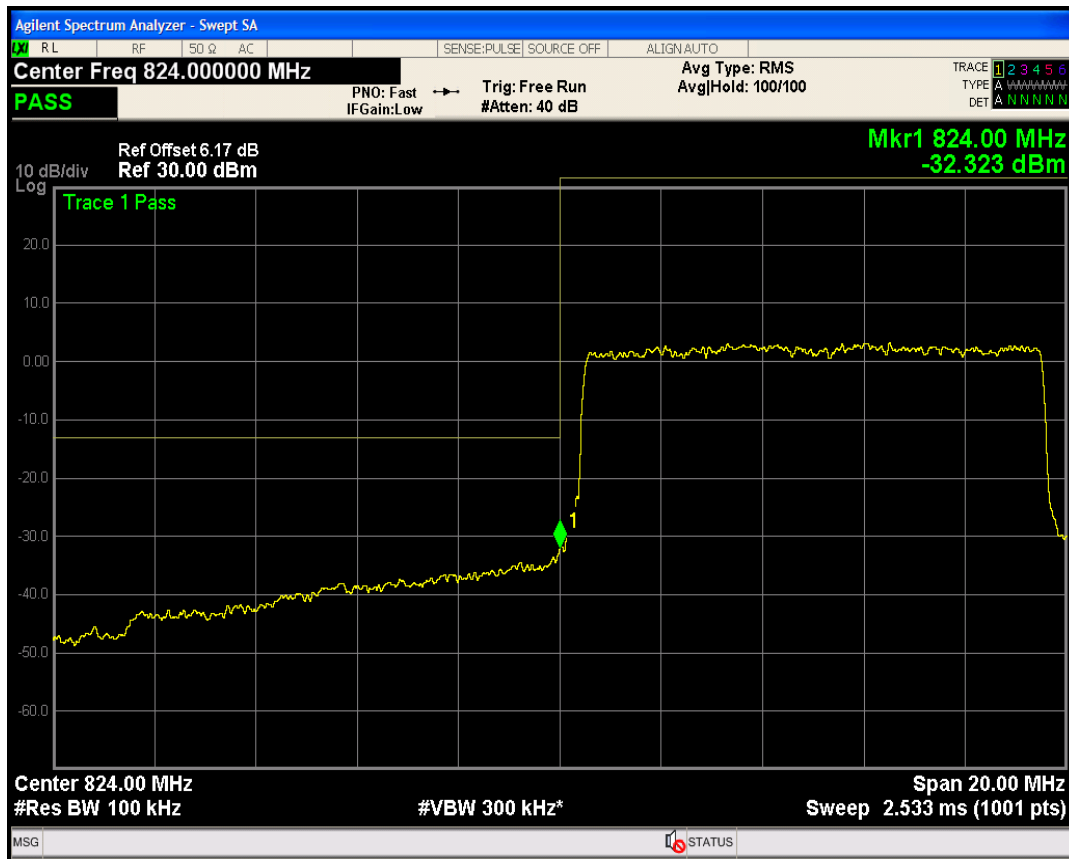
Band5 QAM16 BW=5MHz Channel=20625 RB Size=25 Position=#0



Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



Band5 QAM16 BW=10MHz Channel=20450 RB Size=50 Position=#0



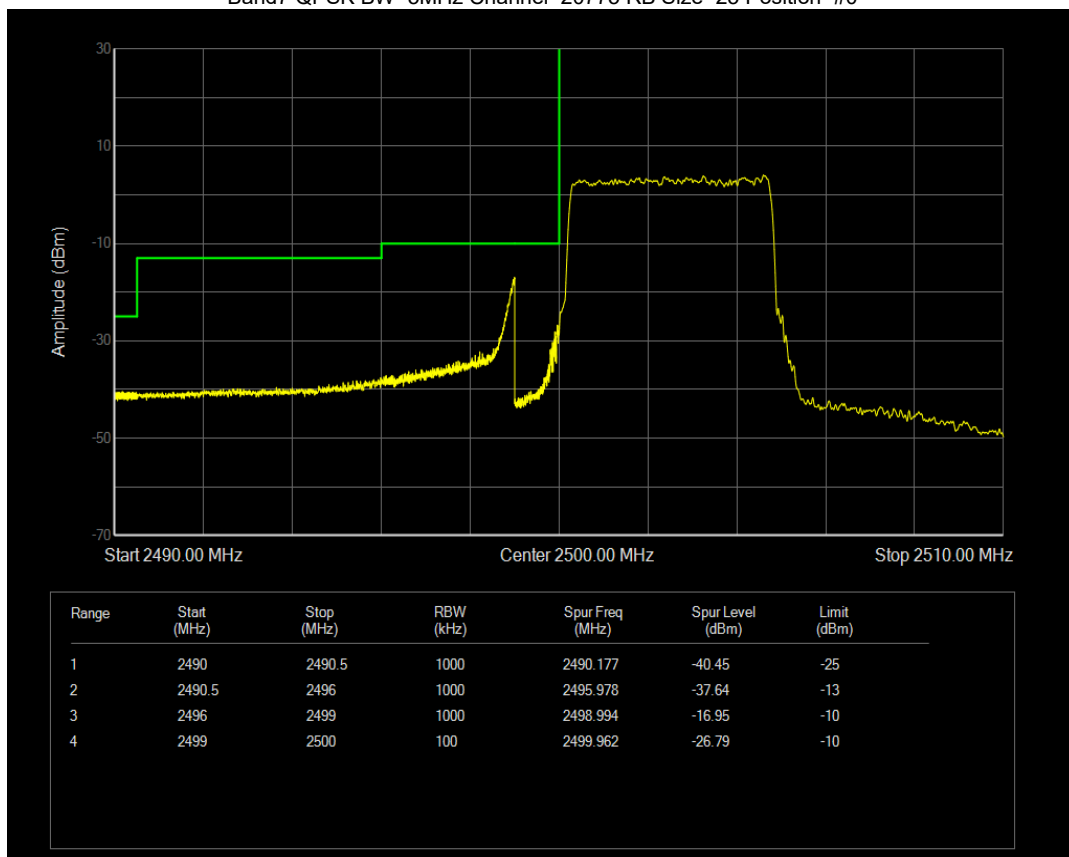
Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0



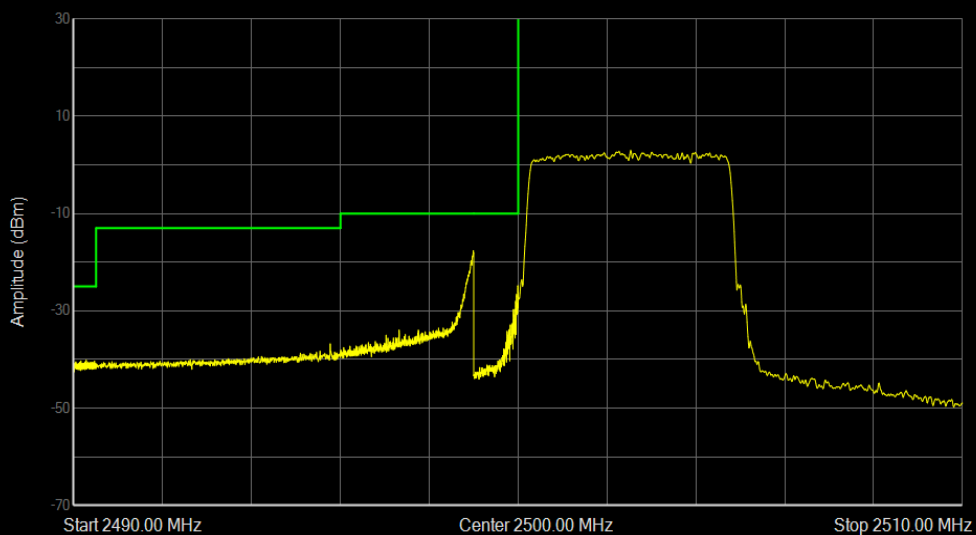
Band5 QAM16 BW=10MHz Channel=20600 RB Size=50 Position=#0



Band7 QPSK BW=5MHz Channel=20775 RB Size=25 Position=#0

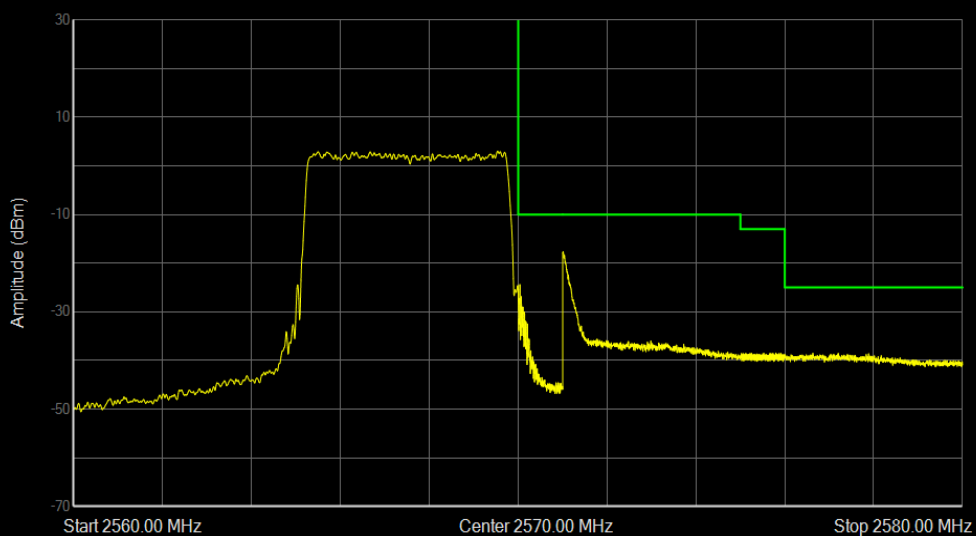


Band7 QAM16 BW=5MHz Channel=20775 RB Size=25 Position=#0



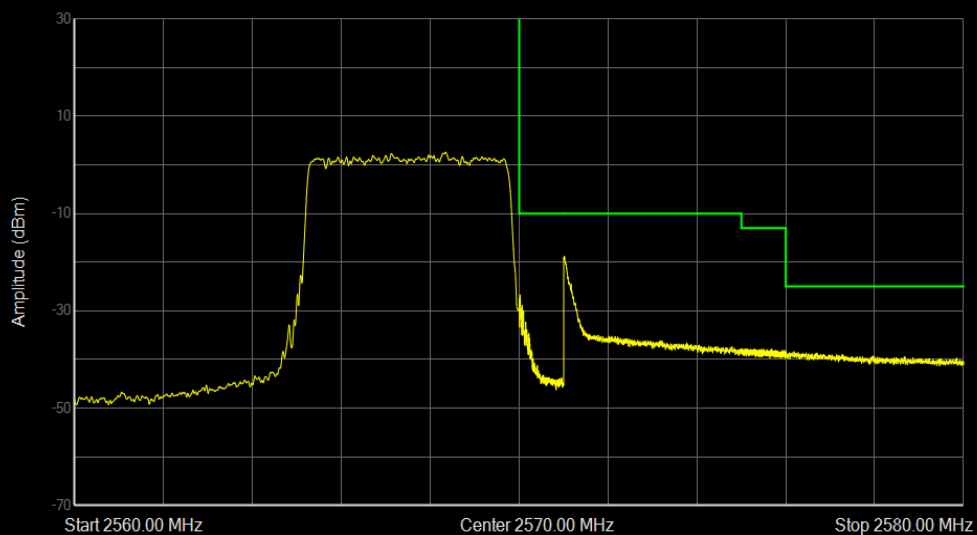
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 2490        | 2490.5     | 1000      | 2490.2785       | -40.16           | -25         |
| 2     | 2490.5      | 2496       | 1000      | 2495.769        | -36.78           | -13         |
| 3     | 2496        | 2499       | 1000      | 2498.991        | -17.64           | -10         |
| 4     | 2499        | 2500       | 100       | 2499.991        | -24.84           | -10         |

Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 2     | 2570        | 2571       | 100       | 2570.038        | -24.39           | -10         |
| 3     | 2571        | 2575       | 1000      | 2571.012        | -17.66           | -10         |
| 4     | 2575        | 2576       | 1000      | 2575.798        | -38.47           | -13         |
| 5     | 2576        | 2580       | 1000      | 2576.632        | -38.52           | -25         |

Band7 QAM16 BW=5MHz Channel=21425 RB Size=25 Position=#0



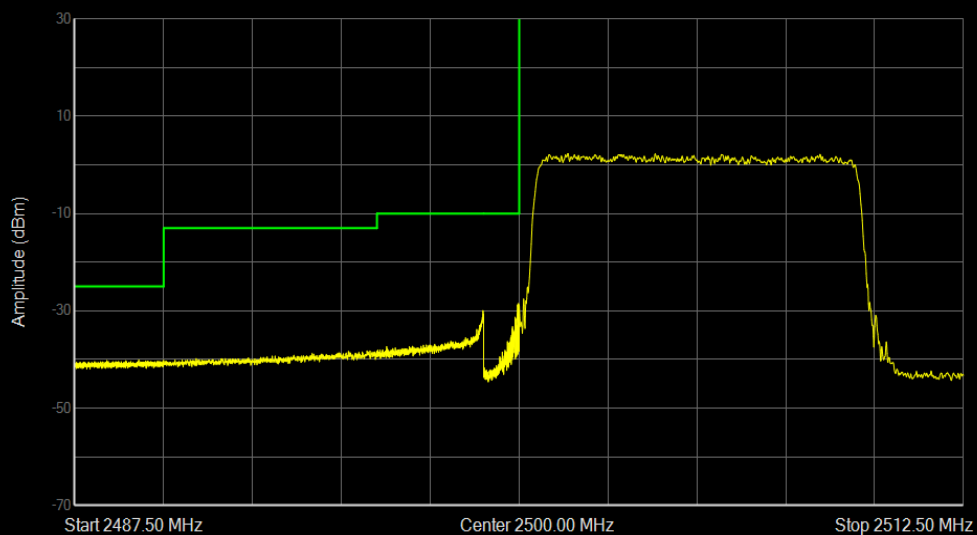
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 2     | 2570        | 2571       | 100       | 2570.019        | -26.74           | -10         |
| 3     | 2571        | 2575       | 1000      | 2571.012        | -18.85           | -10         |
| 4     | 2575        | 2576       | 1000      | 2575.133        | -37.8            | -13         |
| 5     | 2576        | 2580       | 1000      | 2576.184        | -38.39           | -25         |

Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 2487.5      | 2490       | 1000      | 2489.985        | -40.22           | -25         |
| 2     | 2490        | 2496       | 1000      | 2495.892        | -37.65           | -13         |
| 3     | 2496        | 2499       | 1000      | 2498.991        | -29.02           | -10         |
| 4     | 2499        | 2500       | 200       | 2499.999        | -27.38           | -10         |

Band7 QAM16 BW=10MHz Channel=20800 RB Size=50 Position=#0



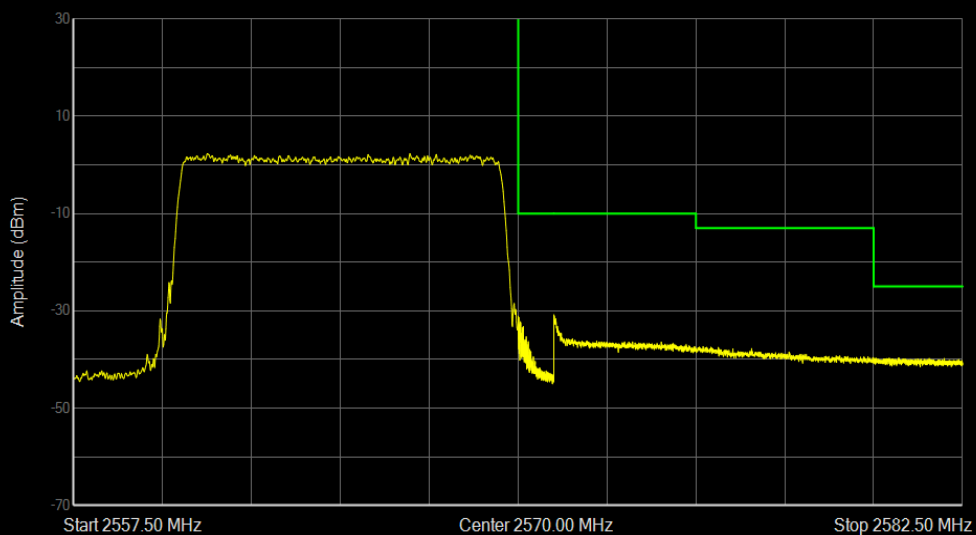
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 2487.5      | 2490       | 1000      | 2489.2975       | -40.14           | -25         |
| 2     | 2490        | 2496       | 1000      | 2495.718        | -38.24           | -13         |
| 3     | 2496        | 2499       | 1000      | 2498.979        | -29.94           | -10         |
| 4     | 2499        | 2500       | 200       | 2499.977        | -28.51           | -10         |

Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 2     | 2570        | 2571       | 200       | 2570.054        | -30.74           | -10         |
| 3     | 2571        | 2575       | 1000      | 2571.032        | -29.79           | -10         |
| 4     | 2575        | 2580       | 1000      | 2575.1          | -37.41           | -13         |
| 5     | 2580        | 2582.5     | 1000      | 2580.3025       | -39.76           | -25         |

Band7 QAM16 BW=10MHz Channel=21400 RB Size=50 Position=#0



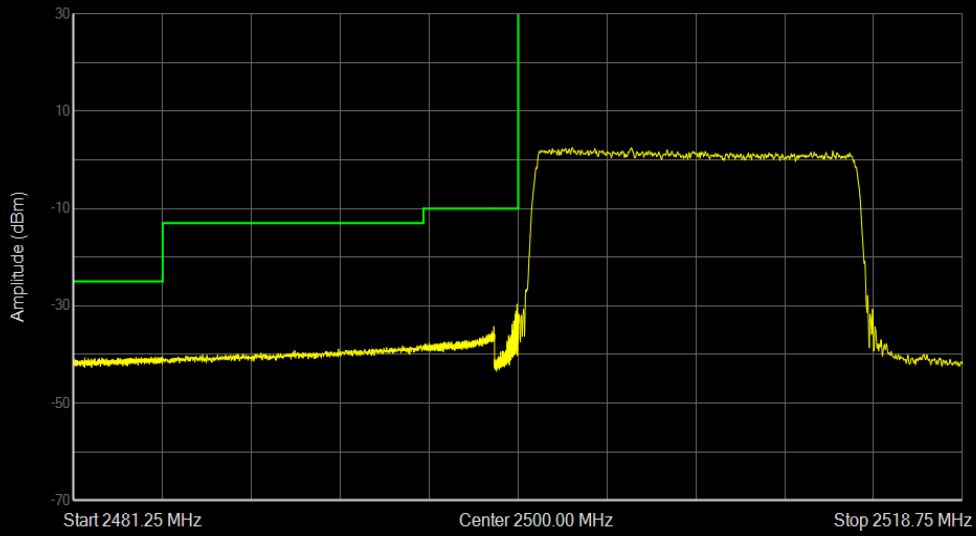
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 2     | 2570        | 2571       | 200       | 2570.016        | -31.37           | -10         |
| 3     | 2571        | 2575       | 1000      | 2571.004        | -30.83           | -10         |
| 4     | 2575        | 2580       | 1000      | 2575.2          | -37.36           | -13         |
| 5     | 2580        | 2582.5     | 1000      | 2580.7075       | -39.69           | -25         |

Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 2481.25     | 2485       | 1000      | 2483.44         | -40.64           | -25         |
| 2     | 2485        | 2496       | 1000      | 2495.527        | -37.05           | -13         |
| 3     | 2496        | 2499       | 1000      | 2498.973        | -32.72           | -10         |
| 4     | 2499        | 2500       | 300       | 2499.976        | -29.84           | -10         |

Band7 QAM16 BW=15MHz Channel=20825 RB Size=75 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 2481.25     | 2485       | 1000      | 2484.97375      | -40.48           | -25         |
| 2     | 2485        | 2496       | 1000      | 2495.89         | -38.13           | -13         |
| 3     | 2496        | 2499       | 1000      | 2498.973        | -34.26           | -10         |
| 4     | 2499        | 2500       | 300       | 2499.951        | -29.69           | -10         |

Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 2     | 2570        | 2571       | 300       | 2570.017        | -29.98           | -10         |
| 3     | 2571        | 2575       | 1000      | 2571.012        | -33.7            | -10         |
| 4     | 2575        | 2585       | 1000      | 2575.02         | -36.8            | -13         |
| 5     | 2585        | 2588.75    | 1000      | 2587.30625      | -39.89           | -25         |

Band7 QAM16 BW=15MHz Channel=21375 RB Size=75 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 2     | 2570        | 2571       | 300       | 2570.082        | -31.22           | -10         |
| 3     | 2571        | 2575       | 1000      | 2571.004        | -34.07           | -10         |
| 4     | 2575        | 2585       | 1000      | 2575.25         | -37.17           | -13         |
| 5     | 2585        | 2588.75    | 1000      | 2588.30375      | -39.98           | -25         |

Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 2475        | 2480       | 1000      | 2478.805        | -41              | -25         |
| 2     | 2480        | 2496       | 1000      | 2494.576        | -36.77           | -13         |
| 3     | 2496        | 2499       | 1000      | 2498.994        | -35.47           | -10         |
| 4     | 2499        | 2500       | 430       | 2499.956        | -31.94           | -10         |

Band7 QAM16 BW=20MHz Channel=20850 RB Size=100 Position=#0



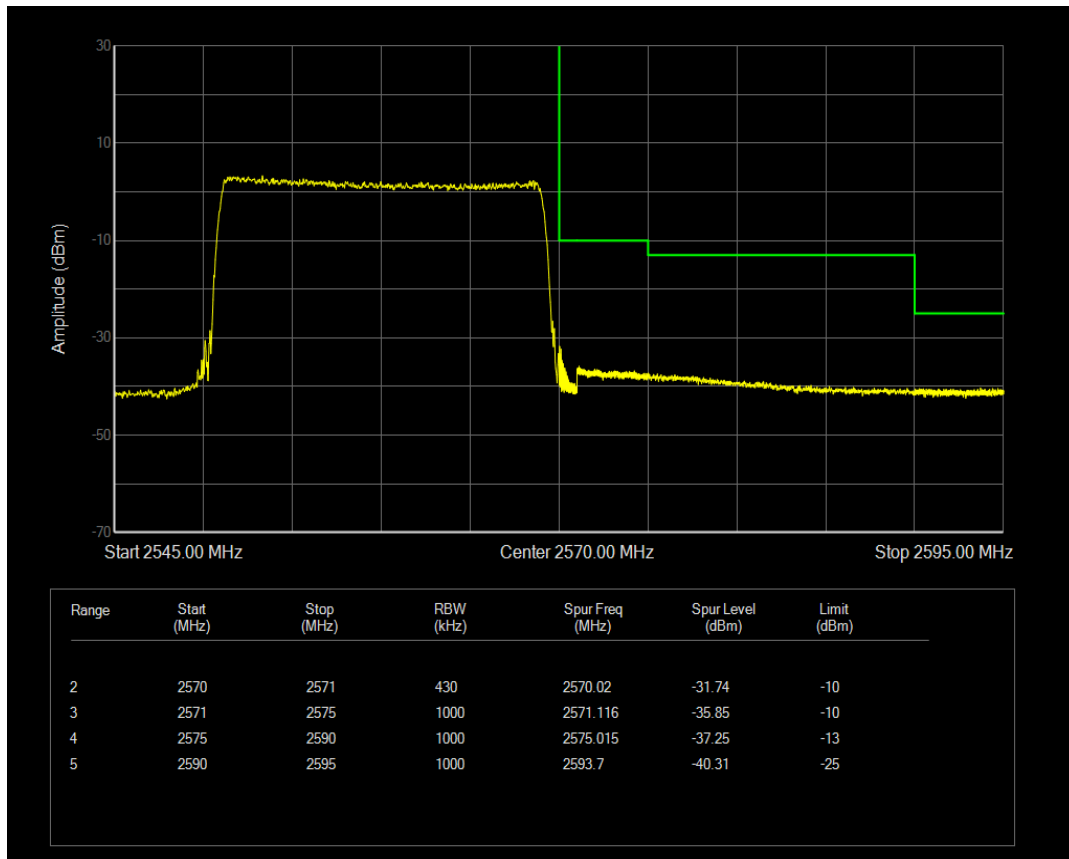
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 2475        | 2480       | 1000      | 2479.645        | -40.99           | -25         |
| 2     | 2480        | 2496       | 1000      | 2495.696        | -38.51           | -13         |
| 3     | 2496        | 2499       | 1000      | 2498.937        | -35.79           | -10         |
| 4     | 2499        | 2500       | 430       | 2499.988        | -31.74           | -10         |

Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 2     | 2570        | 2571       | 430       | 2570.107        | -31.88           | -10         |
| 3     | 2571        | 2575       | 1000      | 2571.16         | -35.26           | -10         |
| 4     | 2575        | 2590       | 1000      | 2575.09         | -36.82           | -13         |
| 5     | 2590        | 2595       | 1000      | 2590.565        | -40.22           | -25         |

Band7 QAM16 BW=20MHz Channel=21350 RB Size=100 Position=#0

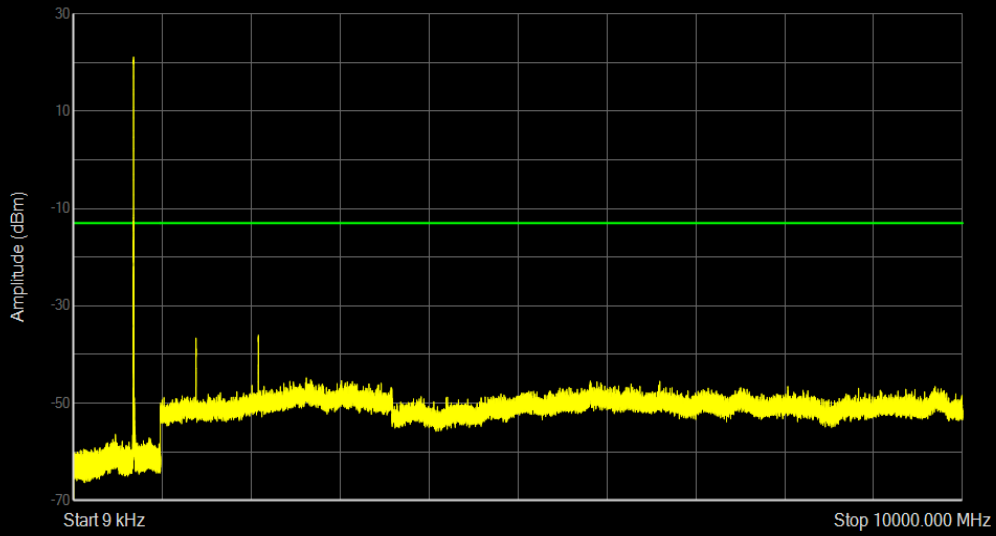


#### Appendix E Out-of-band emissions& Conducted Spurious Emission

| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|-----------------|------------------|-------------|---------|
| Band12 | 1.4             | 23017      | 6       | #0          | QPSK       | 2100.03         | -36.08           | -13         | PASS    |
| Band12 | 1.4             | 23017      | 6       | #0          | QAM16      | 2099.58         | -35.44           | -13         | PASS    |
| Band12 | 1.4             | 23173      | 6       | #0          | QPSK       | 1431.55         | -36.99           | -13         | PASS    |
| Band12 | 1.4             | 23173      | 6       | #0          | QAM16      | 1430.88         | -37.43           | -13         | PASS    |
| Band12 | 3               | 23025      | 15      | #0          | QPSK       | 2101.60         | -39.62           | -13         | PASS    |
| Band12 | 3               | 23025      | 15      | #0          | QAM16      | 1401.63         | -39.96           | -13         | PASS    |
| Band12 | 3               | 23165      | 15      | #0          | QPSK       | 1429.53         | -39.81           | -13         | PASS    |
| Band12 | 3               | 23165      | 15      | #0          | QAM16      | 1430.88         | -40.41           | -13         | PASS    |
| Band12 | 5               | 23035      | 25      | #0          | QPSK       | 2104.98         | -41.95           | -13         | PASS    |
| Band12 | 5               | 23035      | 25      | #0          | QAM16      | 1400.73         | -41.31           | -13         | PASS    |
| Band12 | 5               | 23155      | 25      | #0          | QPSK       | 1427.73         | -40.96           | -13         | PASS    |
| Band12 | 5               | 23155      | 25      | #0          | QAM16      | 1427.73         | -40.88           | -13         | PASS    |
| Band12 | 10              | 23060      | 50      | #0          | QPSK       | 1408.38         | -44.32           | -13         | PASS    |
| Band12 | 10              | 23060      | 50      | #0          | QAM16      | 1409.28         | -43.16           | -13         | PASS    |
| Band12 | 10              | 23130      | 50      | #0          | QPSK       | 1423.00         | -44.15           | -13         | PASS    |
| Band12 | 10              | 23130      | 50      | #0          | QAM16      | 2129.28         | -44.03           | -13         | PASS    |
| Band2  | 1.4             | 18607      | 6       | #0          | QPSK       | 2823.85         | -43.23           | -13         | PASS    |
| Band2  | 1.4             | 18607      | 6       | #0          | QAM16      | 3187.23         | -43.91           | -13         | PASS    |
| Band2  | 1.4             | 19193      | 6       | #0          | QPSK       | 1915.75         | -42.66           | -13         | PASS    |
| Band2  | 1.4             | 19193      | 6       | #0          | QAM16      | 3048.40         | -43.51           | -13         | PASS    |
| Band2  | 3               | 18615      | 15      | #0          | QPSK       | 9688.38         | -44.30           | -13         | PASS    |
| Band2  | 3               | 18615      | 15      | #0          | QAM16      | 5950.68         | -43.91           | -13         | PASS    |
| Band2  | 3               | 19185      | 15      | #0          | QPSK       | 3296.35         | -44.49           | -13         | PASS    |
| Band2  | 3               | 19185      | 15      | #0          | QAM16      | 2796.63         | -43.58           | -13         | PASS    |
| Band2  | 5               | 18625      | 25      | #0          | QPSK       | 2657.80         | -43.27           | -13         | PASS    |
| Band2  | 5               | 18625      | 25      | #0          | QAM16      | 2678.50         | -44.00           | -13         | PASS    |
| Band2  | 5               | 19175      | 25      | #0          | QPSK       | 1767.03         | -41.30           | -13         | PASS    |
| Band2  | 5               | 19175      | 25      | #0          | QAM16      | 2543.50         | -43.85           | -13         | PASS    |
| Band2  | 10              | 18650      | 50      | #0          | QPSK       | 3160.23         | -43.01           | -13         | PASS    |
| Band2  | 10              | 18650      | 50      | #0          | QAM16      | 2798.20         | -44.42           | -13         | PASS    |
| Band2  | 10              | 19150      | 50      | #0          | QPSK       | 2795.73         | -44.18           | -13         | PASS    |
| Band2  | 10              | 19150      | 50      | #0          | QAM16      | 3006.55         | -44.18           | -13         | PASS    |
| Band2  | 15              | 18675      | 75      | #0          | QPSK       | 3048.85         | -43.72           | -13         | PASS    |
| Band2  | 15              | 19125      | 75      | #0          | QPSK       | 2667.70         | -43.69           | -13         | PASS    |
| Band2  | 15              | 19125      | 75      | #0          | QAM16      | 6050.13         | -43.54           | -13         | PASS    |

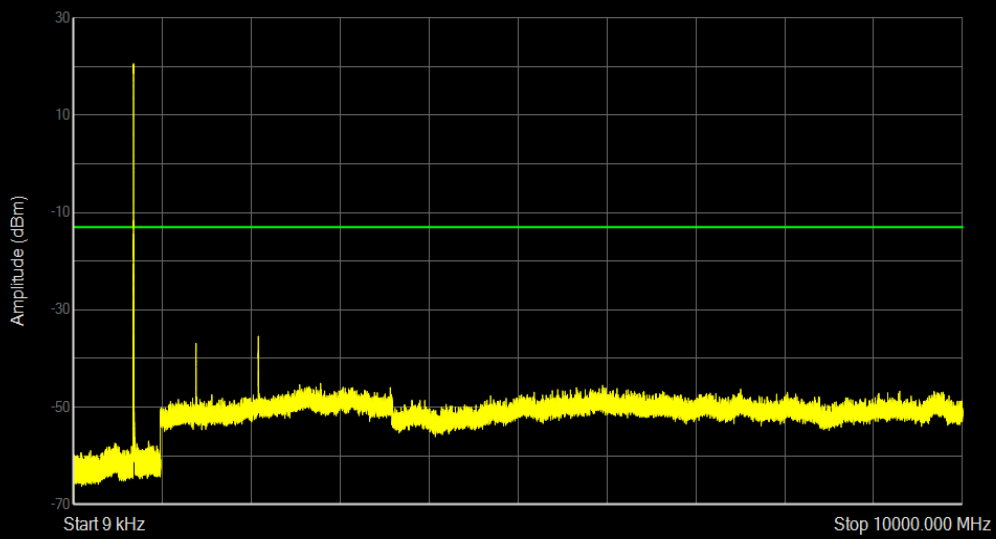
|                   |     |       |     |    |       |         |        |     |      |
|-------------------|-----|-------|-----|----|-------|---------|--------|-----|------|
| Band2             | 20  | 18700 | 100 | #0 | QPSK  | 2775.70 | -44.16 | -13 | PASS |
| Band2             | 20  | 18700 | 100 | #0 | QAM16 | 3155.50 | -43.54 | -13 | PASS |
| Band2             | 20  | 19100 | 100 | #0 | QPSK  | 3286.23 | -43.80 | -13 | PASS |
| Band2             | 20  | 19100 | 100 | #0 | QAM16 | 6996.93 | -44.08 | -13 | PASS |
| Band38            | 5   | 37775 | 25  | #0 | QPSK  | 2532.03 | -43.30 | -25 | PASS |
| Band38            | 5   | 37775 | 25  | #0 | QAM16 | 3290.05 | -43.40 | -25 | PASS |
| Band38            | 5   | 38225 | 25  | #0 | QPSK  | 2640.03 | -42.20 | -25 | PASS |
| Band38            | 5   | 38225 | 25  | #0 | QAM16 | 5864.95 | -43.85 | -25 | PASS |
| Band38            | 10  | 37800 | 50  | #0 | QPSK  | 2391.40 | -43.53 | -25 | PASS |
| Band38            | 10  | 37800 | 50  | #0 | QAM16 | 3150.10 | -43.21 | -25 | PASS |
| Band38            | 10  | 38200 | 50  | #0 | QPSK  | 5210.43 | -42.05 | -25 | PASS |
| Band38            | 10  | 38200 | 50  | #0 | QAM16 | 5210.65 | -40.24 | -25 | PASS |
| Band38            | 15  | 37825 | 75  | #0 | QPSK  | 5290.53 | -42.79 | -25 | PASS |
| Band38            | 15  | 37825 | 75  | #0 | QAM16 | 3062.13 | -42.81 | -25 | PASS |
| Band38            | 15  | 38175 | 75  | #0 | QPSK  | 3116.13 | -42.86 | -25 | PASS |
| Band38            | 15  | 38175 | 75  | #0 | QAM16 | 3148.08 | -42.97 | -25 | PASS |
| Band38            | 20  | 37850 | 100 | #0 | QPSK  | 3083.95 | -43.27 | -25 | PASS |
| Band38            | 20  | 37850 | 100 | #0 | QAM16 | 2730.03 | -43.60 | -25 | PASS |
| Band38            | 20  | 38150 | 100 | #0 | QPSK  | 2803.15 | -43.61 | -25 | PASS |
| Band38            | 20  | 38150 | 100 | #0 | QAM16 | 5178.93 | -40.73 | -25 | PASS |
| Band41(2555-2655) | 5   | 40265 | 25  | #0 | QPSK  | 2532.48 | -33.80 | -25 | PASS |
| Band41(2555-2655) | 5   | 40265 | 25  | #0 | QAM16 | 3033.10 | -43.31 | -25 | PASS |
| Band41(2555-2655) | 5   | 41215 | 25  | #0 | QPSK  | 5800.38 | -43.53 | -25 | PASS |
| Band41(2555-2655) | 5   | 41215 | 25  | #0 | QAM16 | 2675.13 | -42.45 | -25 | PASS |
| Band41(2555-2655) | 10  | 40290 | 50  | #0 | QPSK  | 6146.65 | -43.86 | -25 | PASS |
| Band41(2555-2655) | 10  | 40290 | 50  | #0 | QAM16 | 2390.95 | -43.90 | -25 | PASS |
| Band41(2555-2655) | 10  | 41190 | 50  | #0 | QPSK  | 3039.63 | -43.54 | -25 | PASS |
| Band41(2555-2655) | 10  | 41190 | 50  | #0 | QAM16 | 3142.45 | -42.98 | -25 | PASS |
| Band41(2555-2655) | 15  | 40315 | 75  | #0 | QPSK  | 2788.53 | -43.85 | -25 | PASS |
| Band41(2555-2655) | 15  | 40315 | 75  | #0 | QAM16 | 3174.63 | -43.57 | -25 | PASS |
| Band41(2555-2655) | 15  | 41165 | 75  | #0 | QPSK  | 6627.93 | -43.49 | -25 | PASS |
| Band41(2555-2655) | 15  | 41165 | 75  | #0 | QAM16 | 3065.50 | -43.60 | -25 | PASS |
| Band41(2555-2655) | 20  | 40340 | 100 | #0 | QPSK  | 3002.28 | -43.19 | -25 | PASS |
| Band41(2555-2655) | 20  | 40340 | 100 | #0 | QAM16 | 5194.68 | -43.10 | -25 | PASS |
| Band41(2555-2655) | 20  | 41140 | 100 | #0 | QPSK  | 5185.45 | -42.57 | -25 | PASS |
| Band41(2555-2655) | 20  | 41140 | 100 | #0 | QAM16 | 5824.00 | -44.05 | -25 | PASS |
| Band5             | 1.4 | 20407 | 6   | #0 | QPSK  | 818.17  | -28.55 | -13 | PASS |
| Band5             | 1.4 | 20407 | 6   | #0 | QAM16 | 817.96  | -31.49 | -13 | PASS |
| Band5             | 1.4 | 20643 | 6   | #0 | QPSK  | 2546.20 | -41.15 | -13 | PASS |
| Band5             | 1.4 | 20643 | 6   | #0 | QAM16 | 2544.85 | -42.21 | -13 | PASS |
| Band5             | 3   | 20415 | 15  | #0 | QPSK  | 2662.08 | -43.86 | -13 | PASS |
| Band5             | 3   | 20415 | 15  | #0 | QAM16 | 1651.60 | -44.41 | -13 | PASS |
| Band5             | 3   | 20635 | 15  | #0 | QPSK  | 2542.15 | -43.89 | -13 | PASS |
| Band5             | 3   | 20635 | 15  | #0 | QAM16 | 3156.63 | -45.03 | -13 | PASS |
| Band5             | 5   | 20425 | 25  | #0 | QPSK  | 9725.28 | -45.42 | -13 | PASS |
| Band5             | 5   | 20425 | 25  | #0 | QAM16 | 3150.33 | -44.47 | -13 | PASS |
| Band5             | 5   | 20625 | 25  | #0 | QPSK  | 5641.53 | -44.95 | -13 | PASS |
| Band5             | 5   | 20625 | 25  | #0 | QAM16 | 2678.73 | -43.84 | -13 | PASS |
| Band5             | 10  | 20450 | 50  | #0 | QPSK  | 2547.33 | -44.00 | -13 | PASS |
| Band5             | 10  | 20450 | 50  | #0 | QAM16 | 3185.65 | -45.11 | -13 | PASS |
| Band5             | 10  | 20600 | 50  | #0 | QPSK  | 5938.30 | -45.34 | -13 | PASS |
| Band5             | 10  | 20600 | 50  | #0 | QAM16 | 2665.45 | -44.43 | -13 | PASS |
| Band7             | 5   | 20775 | 25  | #0 | QPSK  | 3304.23 | -43.37 | -25 | PASS |
| Band7             | 5   | 20775 | 25  | #0 | QAM16 | 2676.48 | -43.04 | -25 | PASS |
| Band7             | 5   | 21425 | 25  | #0 | QPSK  | 5826.25 | -43.15 | -25 | PASS |
| Band7             | 5   | 21425 | 25  | #0 | QAM16 | 5859.55 | -42.61 | -25 | PASS |
| Band7             | 10  | 20800 | 50  | #0 | QPSK  | 5746.60 | -43.75 | -25 | PASS |
| Band7             | 10  | 20800 | 50  | #0 | QAM16 | 3006.33 | -43.48 | -25 | PASS |
| Band7             | 10  | 21400 | 50  | #0 | QPSK  | 3158.43 | -43.78 | -25 | PASS |
| Band7             | 10  | 21400 | 50  | #0 | QAM16 | 2792.58 | -42.81 | -25 | PASS |
| Band7             | 15  | 20825 | 75  | #0 | QPSK  | 6502.38 | -43.99 | -25 | PASS |
| Band7             | 15  | 21375 | 75  | #0 | QPSK  | 2666.80 | -43.52 | -25 | PASS |
| Band7             | 15  | 21375 | 75  | #0 | QAM16 | 3267.78 | -43.04 | -25 | PASS |
| Band7             | 20  | 20850 | 100 | #0 | QPSK  | 6240.70 | -43.61 | -25 | PASS |
| Band7             | 20  | 21350 | 100 | #0 | QPSK  | 3154.60 | -43.51 | -25 | PASS |
| Band7             | 20  | 21350 | 100 | #0 | QAM16 | 2684.80 | -42.89 | -25 | PASS |

Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



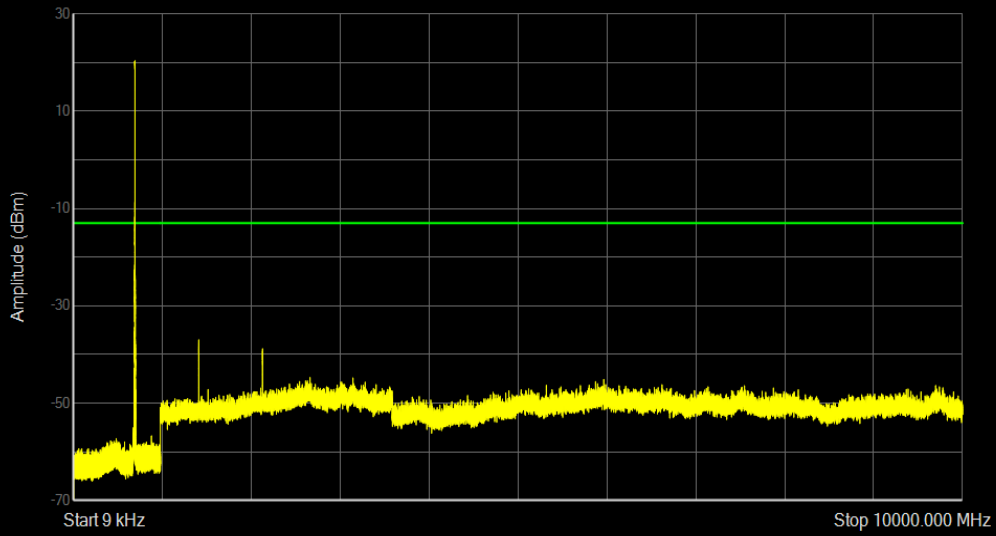
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009           | -55.91           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15223875      | -57.49           | -13         |
| 3     | 30          | 1000       | 100       | 693.2375        | -47.55           | -13         |
| 4     | 1000        | 10000      | 1000      | 2100.025        | -36.08           | -13         |

Band12 QAM16 BW=1.4MHz Channel=23017 RB Size=6 Position=#0



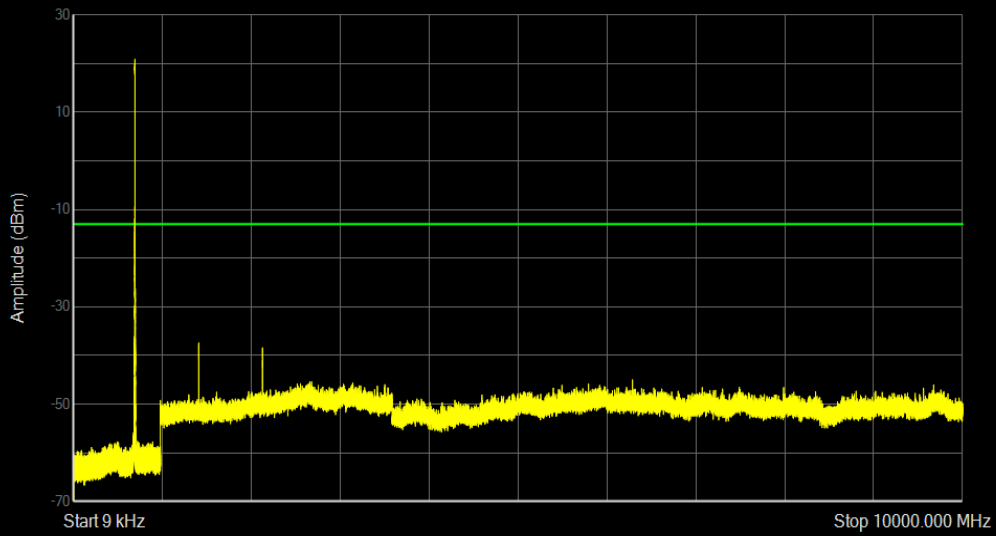
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009638025     | -55.4            | -13         |
| 2     | 0.15        | 30         | 10        | 0.15597         | -57.45           | -13         |
| 3     | 30          | 1000       | 100       | 693.01925       | -54.02           | -13         |
| 4     | 1000        | 10000      | 1000      | 2099.575        | -35.44           | -13         |

Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



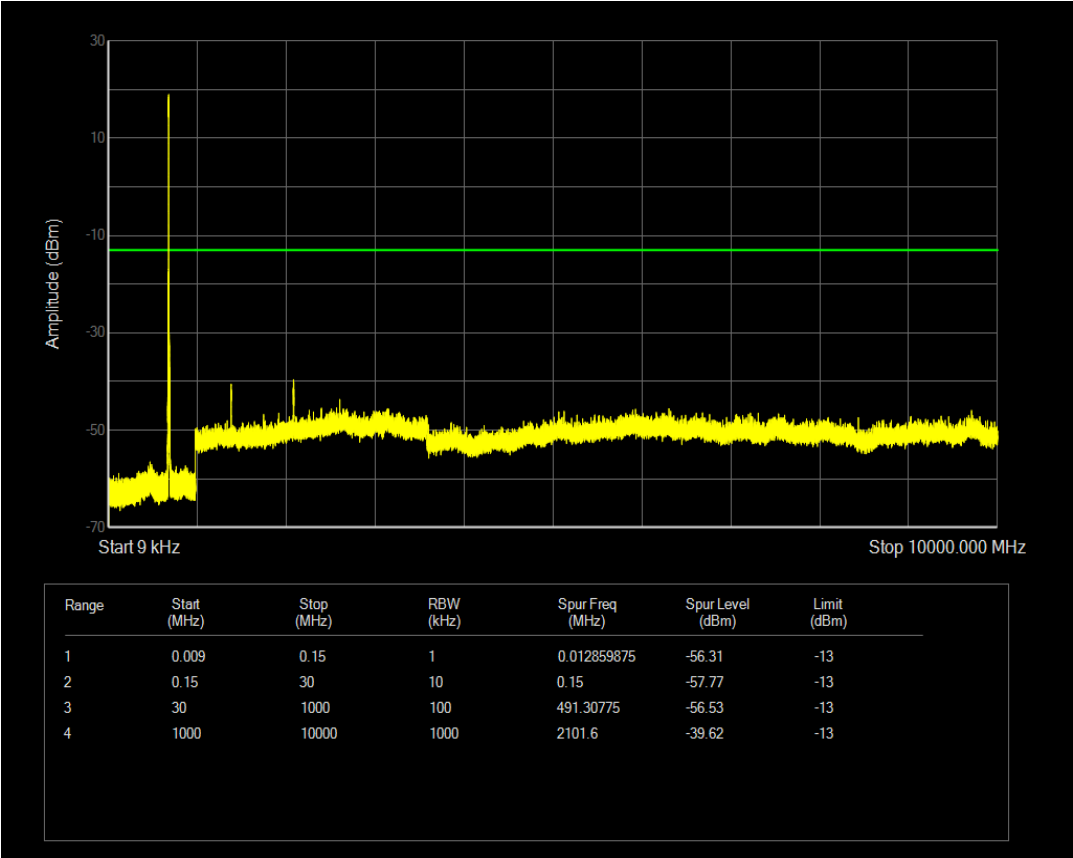
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009           | -55.48           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15223875      | -57.63           | -13         |
| 3     | 30          | 1000       | 100       | 900.06575       | -56.73           | -13         |
| 4     | 1000        | 10000      | 1000      | 1431.55         | -36.99           | -13         |

Band12 QAM16 BW=1.4MHz Channel=23173 RB Size=6 Position=#0

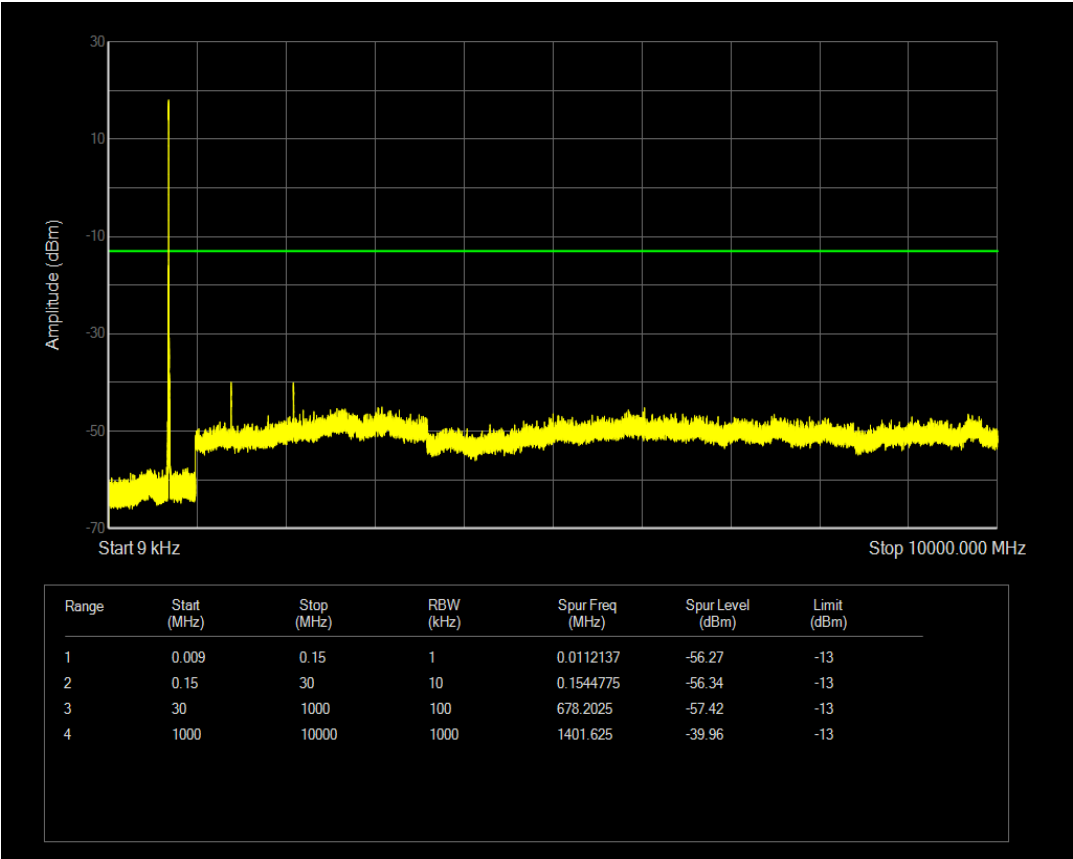


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.010004625     | -55.77           | -13         |
| 2     | 0.15        | 30         | 10        | 0.158955        | -58.37           | -13         |
| 3     | 30          | 1000       | 100       | 744.72025       | -57.66           | -13         |
| 4     | 1000        | 10000      | 1000      | 1430.875        | -37.43           | -13         |

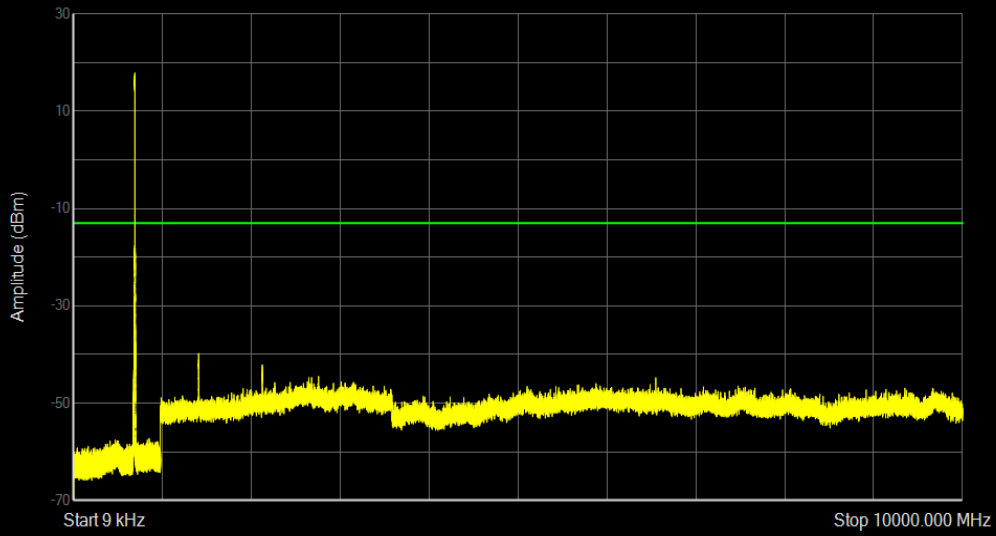
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



Band12 QAM16 BW=3MHz Channel=23025 RB Size=15 Position=#0

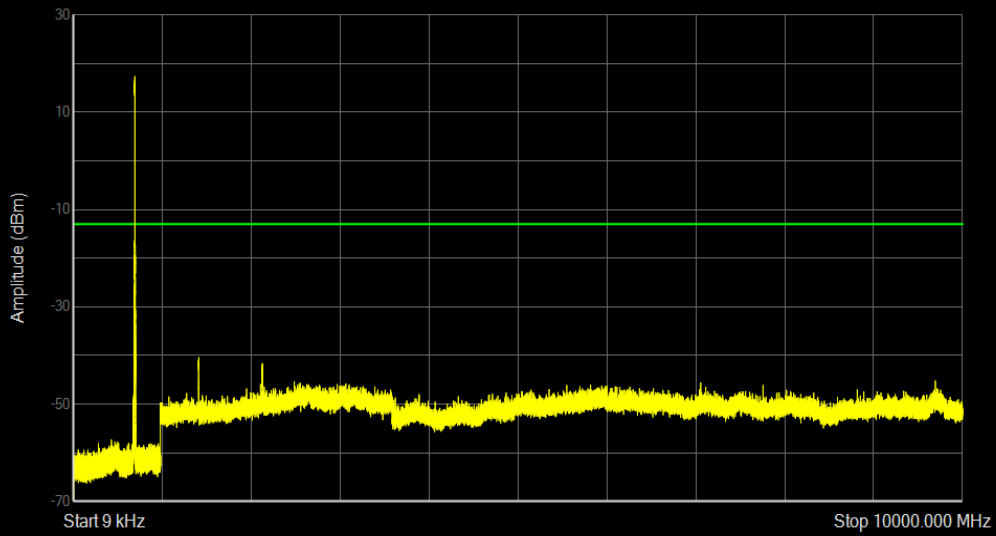


Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



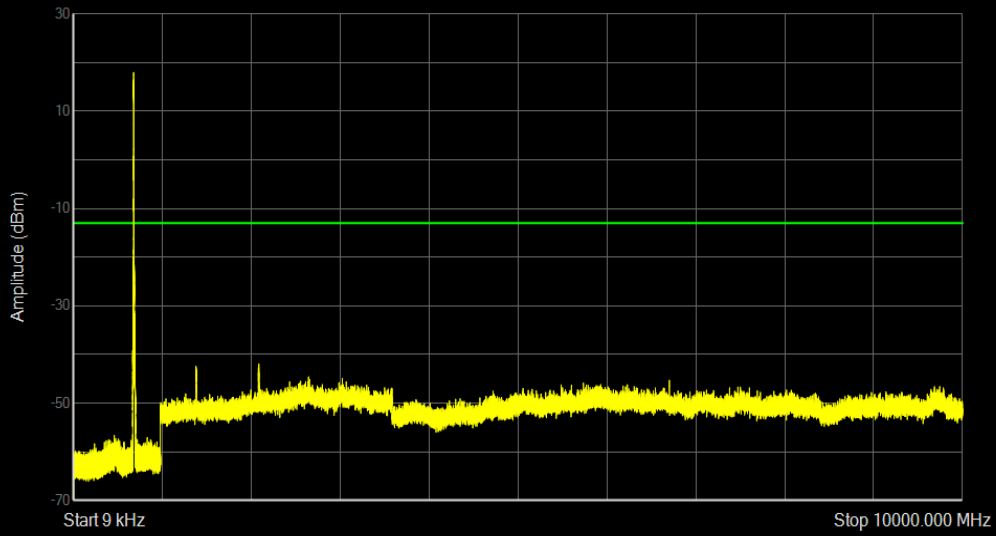
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.00937365      | -55.68           | -13         |
| 2     | 0.15        | 30         | 10        | 0.18656625      | -57.92           | -13         |
| 3     | 30          | 1000       | 100       | 874.676         | -57.25           | -13         |
| 4     | 1000        | 10000      | 1000      | 1429.525        | -39.81           | -13         |

Band12 QAM16 BW=3MHz Channel=23165 RB Size=15 Position=#0



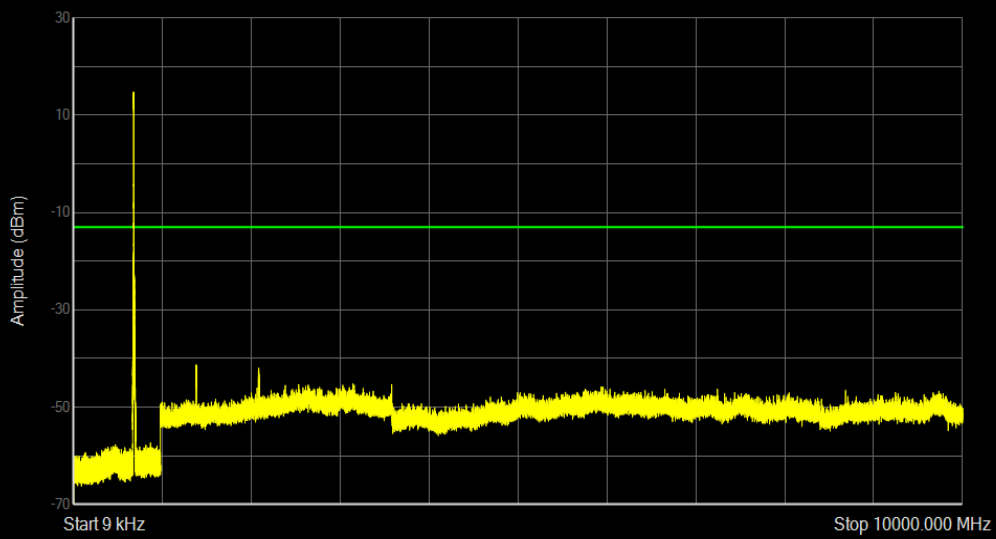
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01260255      | -56.33           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15            | -58.7            | -13         |
| 3     | 30          | 1000       | 100       | 450.27675       | -57.38           | -13         |
| 4     | 1000        | 10000      | 1000      | 1430.875        | -40.41           | -13         |

Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



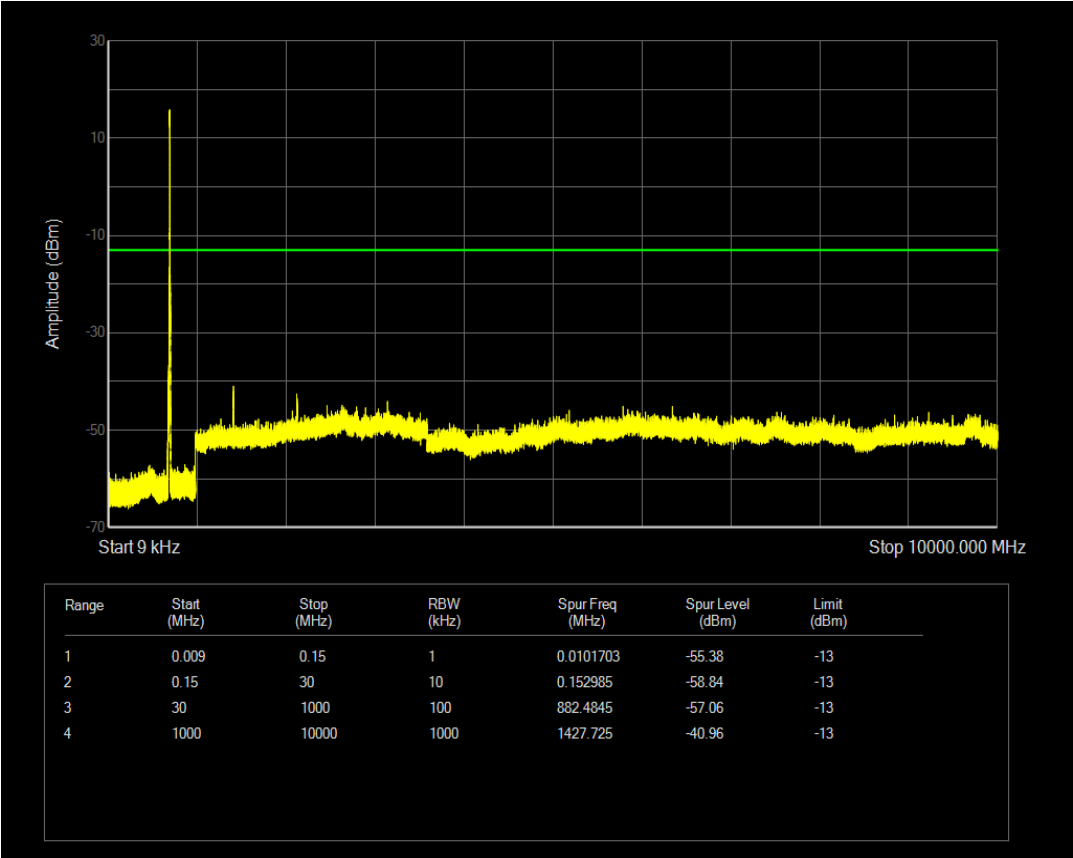
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.011026875     | -54.7            | -13         |
| 2     | 0.15        | 30         | 10        | 0.1574625       | -56.32           | -13         |
| 3     | 30          | 1000       | 100       | 482.408         | -56.62           | -13         |
| 4     | 1000        | 10000      | 1000      | 2104.975        | -41.95           | -13         |

Band12 QAM16 BW=5MHz Channel=23035 RB Size=25 Position=#0

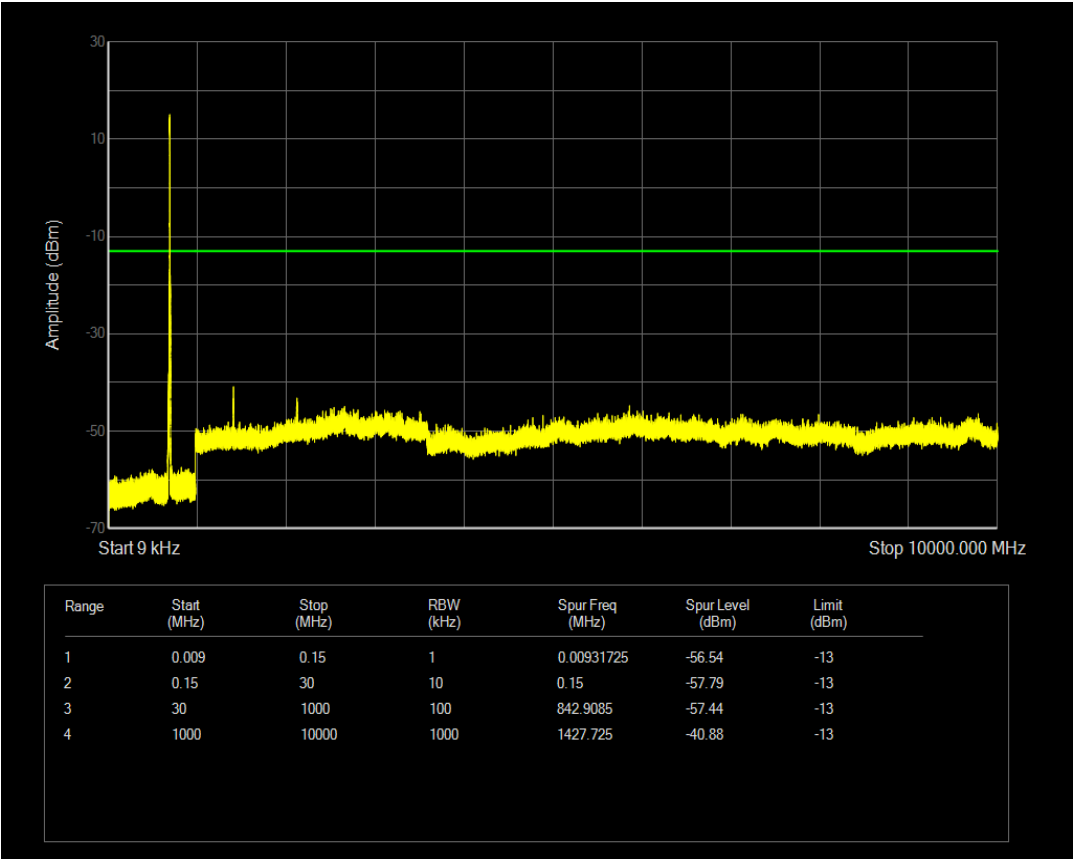


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.00999405      | -55.75           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15970125      | -57.62           | -13         |
| 3     | 30          | 1000       | 100       | 890.196         | -57.34           | -13         |
| 4     | 1000        | 10000      | 1000      | 1400.725        | -41.31           | -13         |

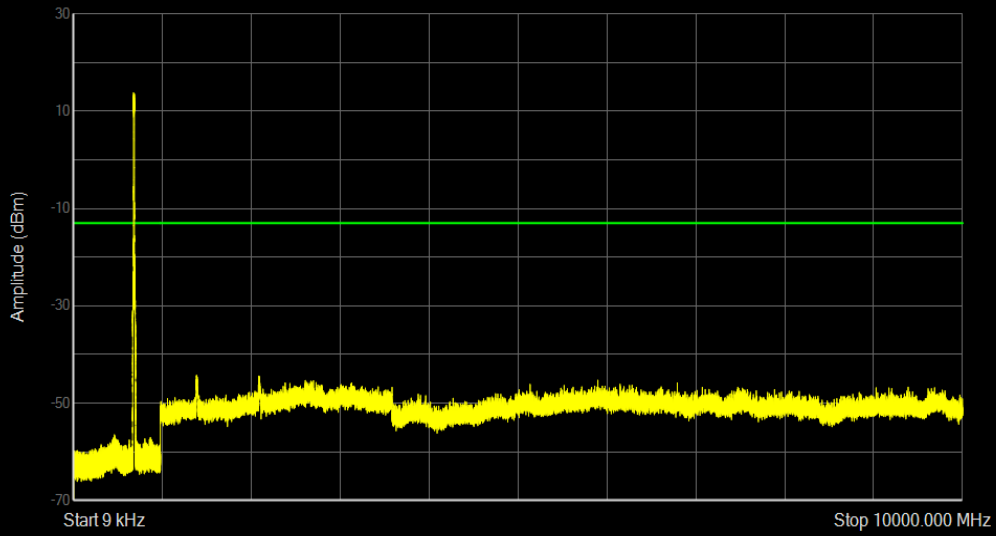
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



Band12 QAM16 BW=5MHz Channel=23155 RB Size=25 Position=#0

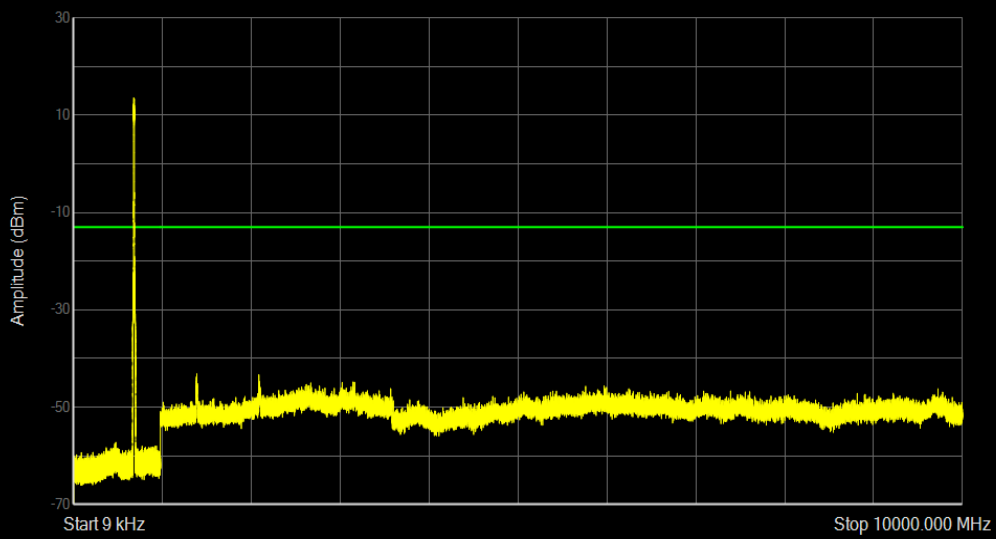


Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



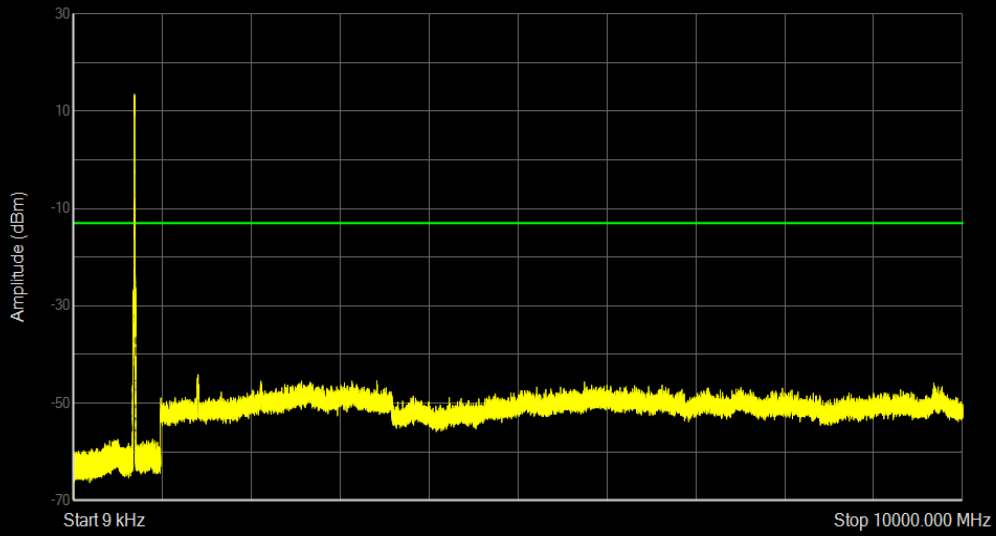
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009102225     | -54.92           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15820875      | -58.54           | -13         |
| 3     | 30          | 1000       | 100       | 485.77875       | -56.5            | -13         |
| 4     | 1000        | 10000      | 1000      | 1408.375        | -44.32           | -13         |

Band12 QAM16 BW=10MHz Channel=23060 RB Size=50 Position=#0

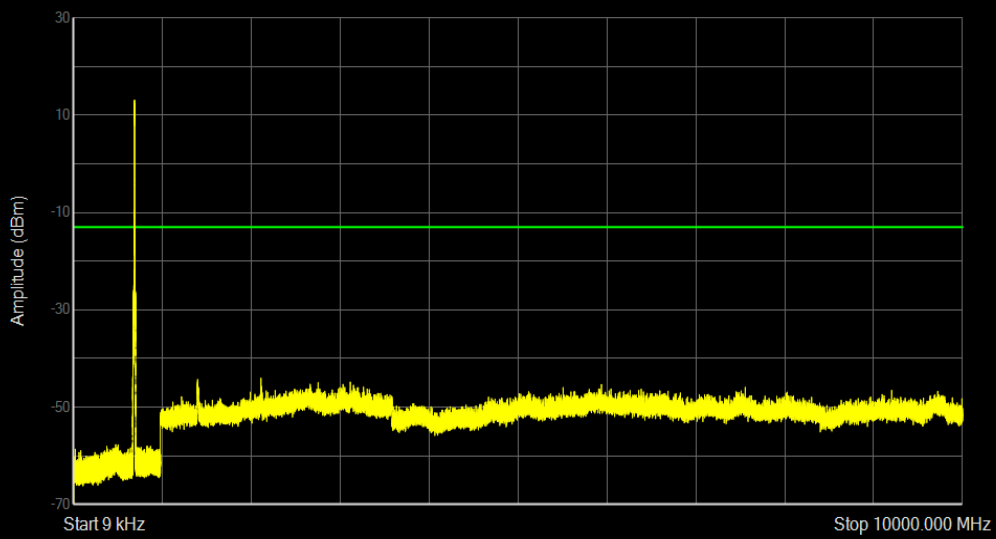


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009           | -55.04           | -13         |
| 2     | 0.15        | 30         | 10        | 0.1753725       | -59.48           | -13         |
| 3     | 30          | 1000       | 100       | 500.57125       | -57.25           | -13         |
| 4     | 1000        | 10000      | 1000      | 1409.275        | -43.16           | -13         |

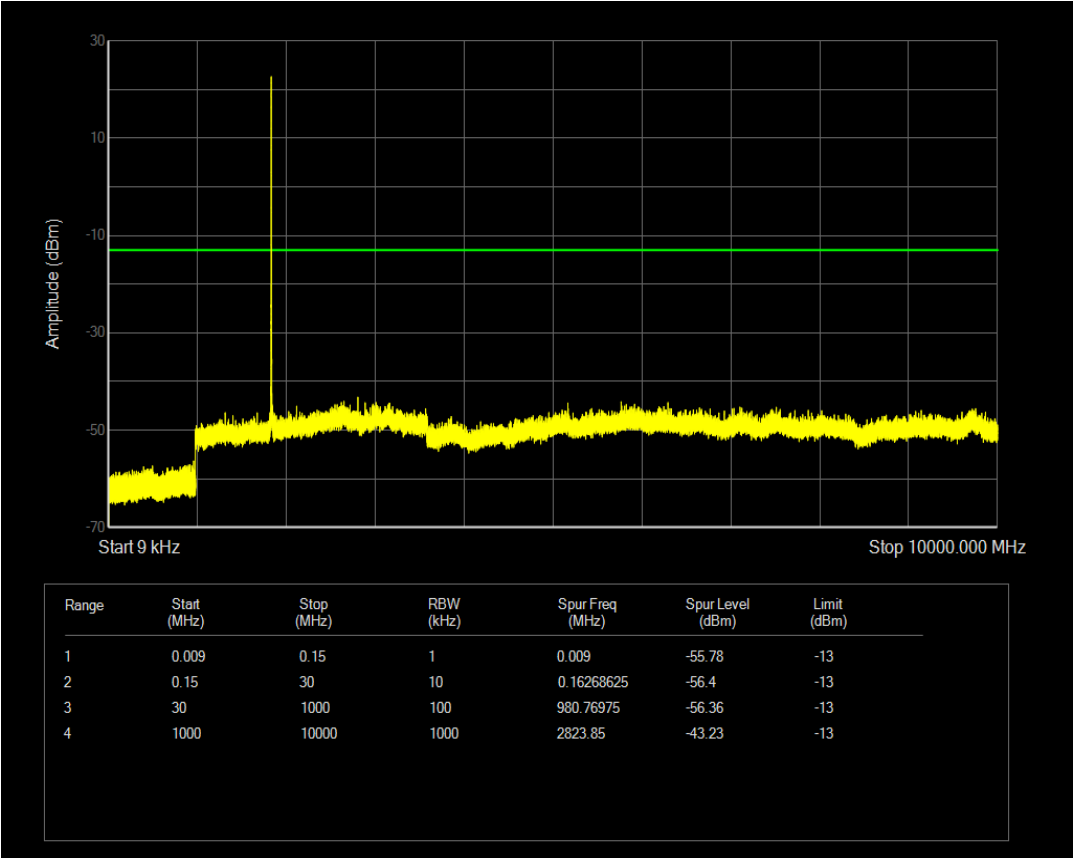
Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0



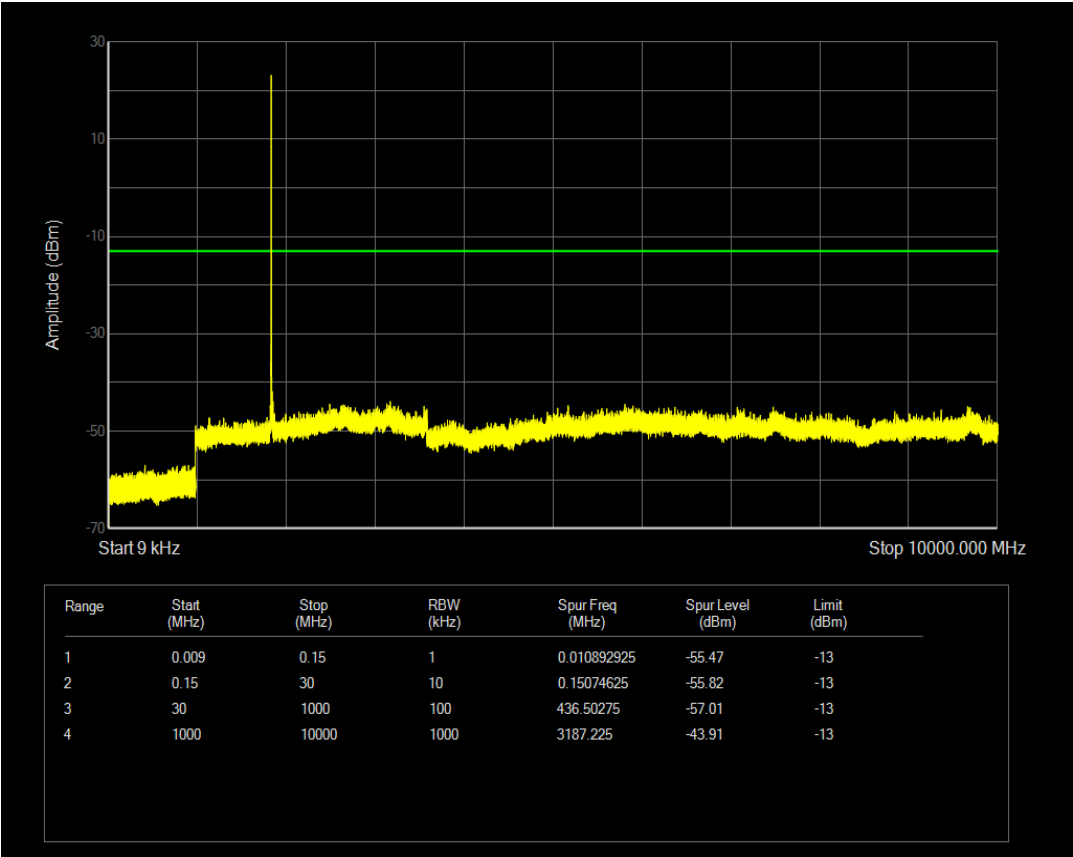
Band12 QAM16 BW=10MHz Channel=23130 RB Size=50 Position=#0



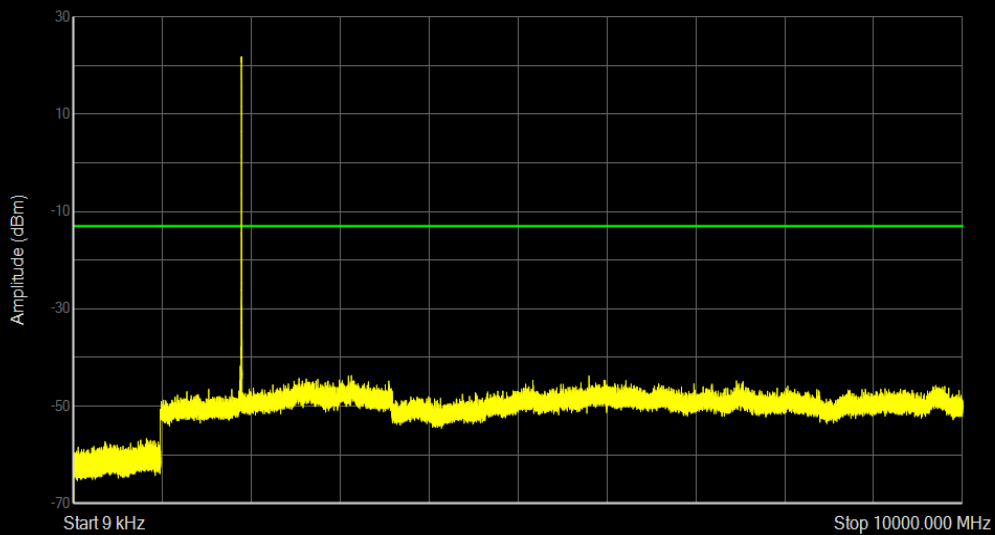
Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



Band2 QAM16 BW=1.4MHz Channel=18607 RB Size=6 Position=#0

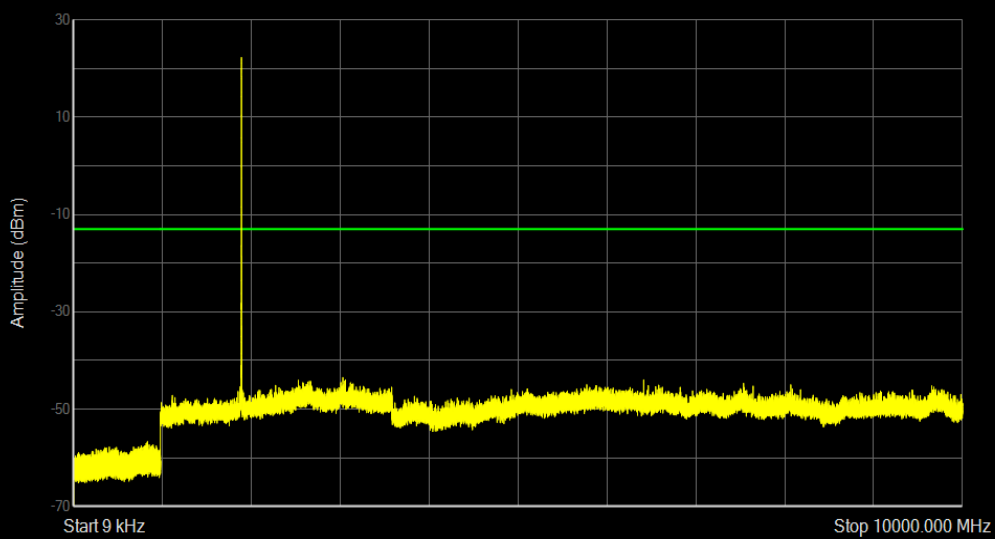


Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0



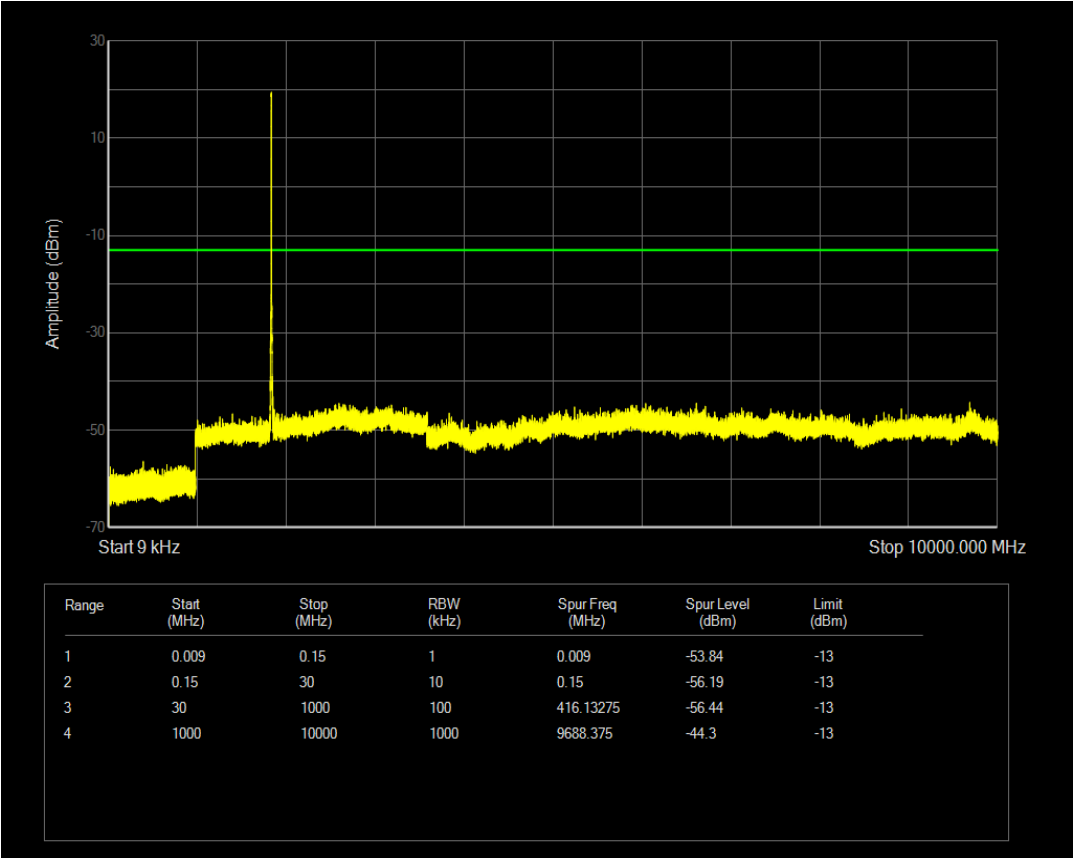
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009066975     | -54.63           | -13         |
| 2     | 0.15        | 30         | 10        | 0.16567125      | -56.89           | -13         |
| 3     | 30          | 1000       | 100       | 844.121         | -56.65           | -13         |
| 4     | 1000        | 10000      | 1000      | 1915.75         | -42.66           | -13         |

Band2 QAM16 BW=1.4MHz Channel=19193 RB Size=6 Position=#0

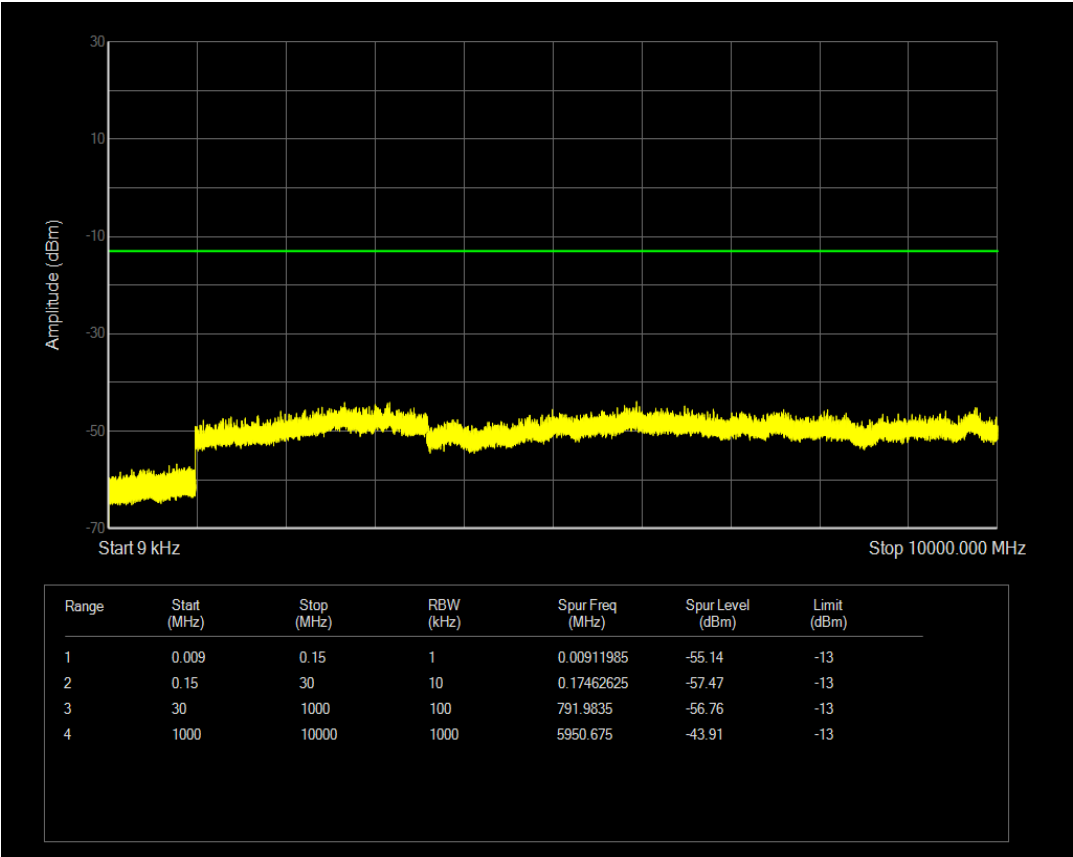


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.012525        | -54.18           | -13         |
| 2     | 0.15        | 30         | 10        | 0.1544775       | -56.13           | -13         |
| 3     | 30          | 1000       | 100       | 856.02775       | -56.66           | -13         |
| 4     | 1000        | 10000      | 1000      | 3048.4          | -43.51           | -13         |

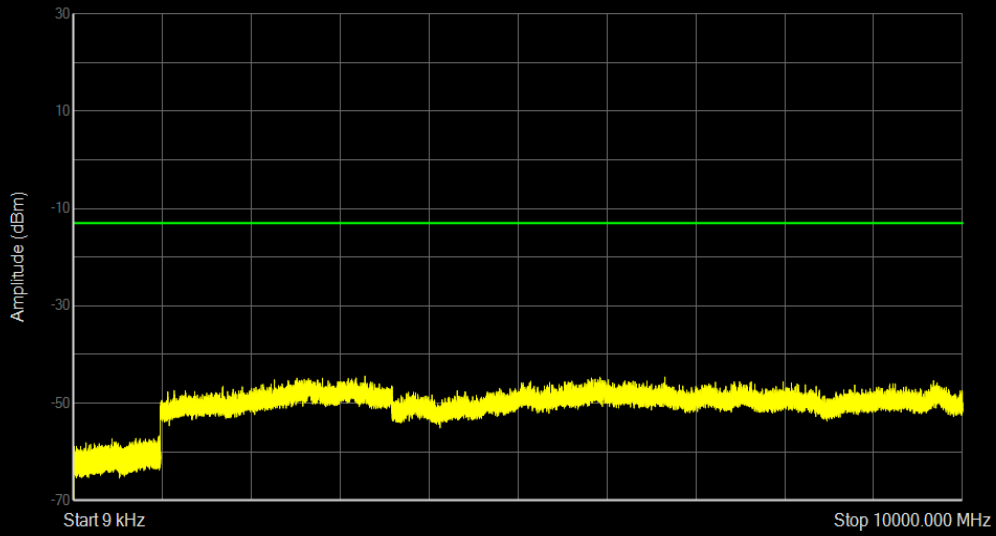
Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0



Band2 QAM16 BW=3MHz Channel=18615 RB Size=15 Position=#0

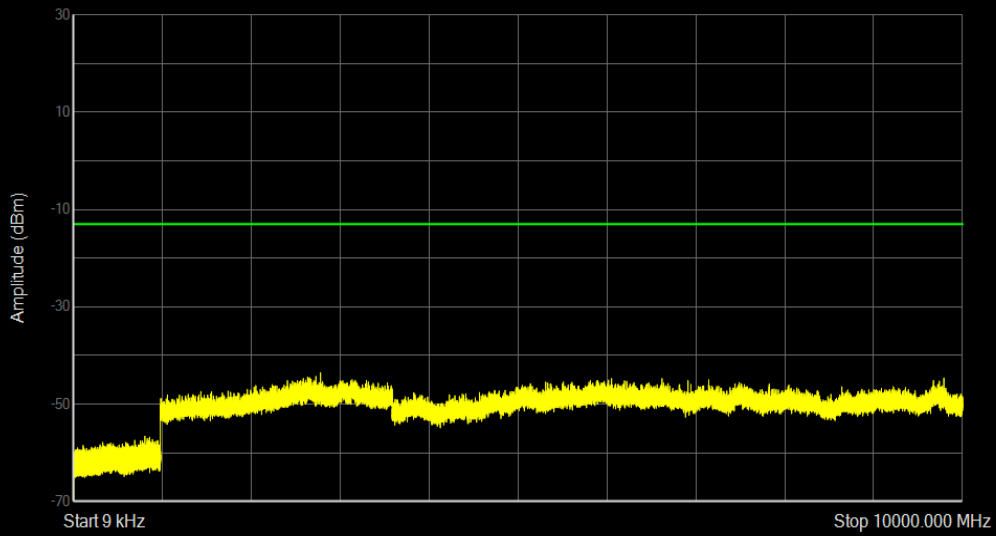


Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0



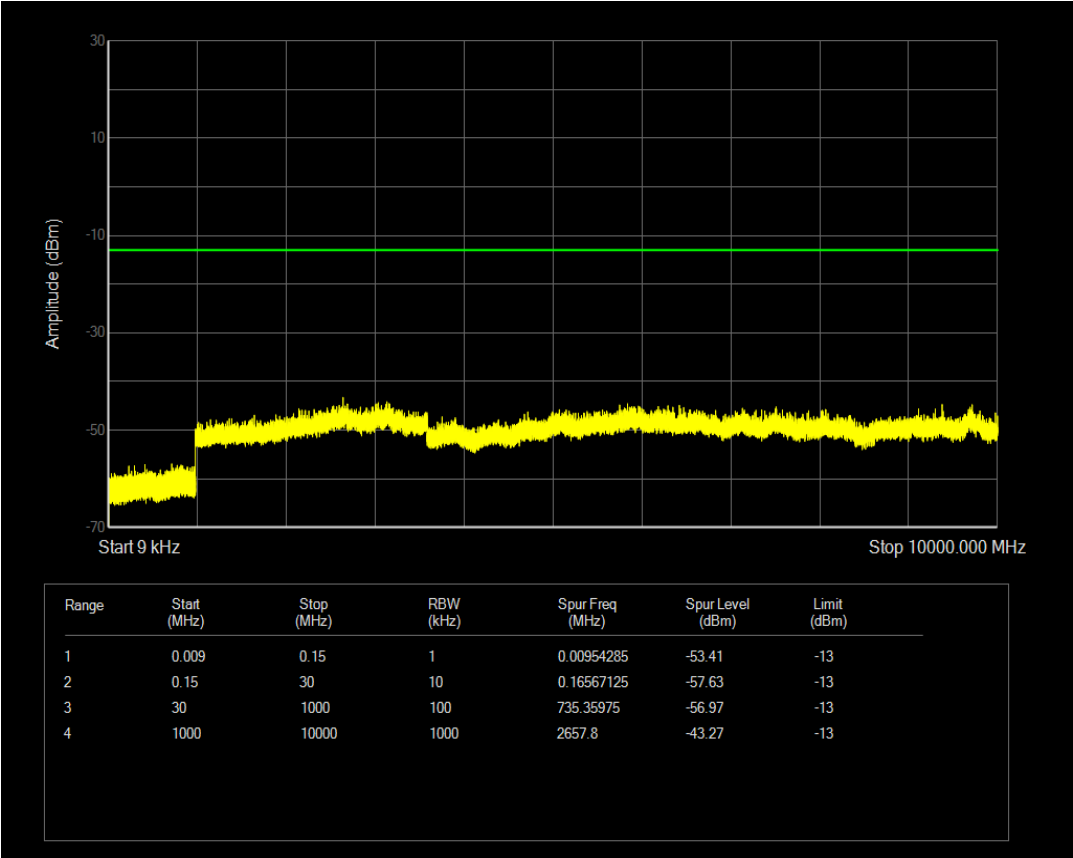
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0120879       | -54.34           | -13         |
| 2     | 0.15        | 30         | 10        | 0.16194         | -56.47           | -13         |
| 3     | 30          | 1000       | 100       | 983.704         | -56.73           | -13         |
| 4     | 1000        | 10000      | 1000      | 3296.35         | -44.49           | -13         |

Band2 QAM16 BW=3MHz Channel=19185 RB Size=15 Position=#0

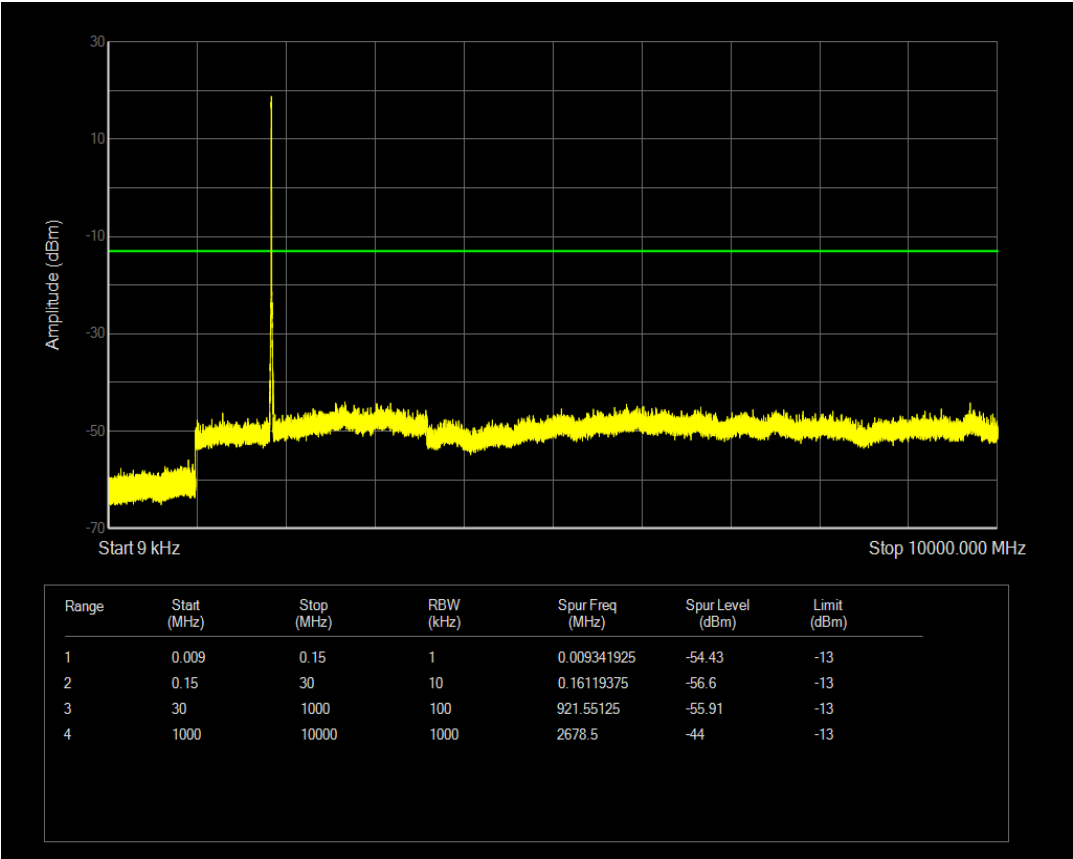


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009553425     | -53.21           | -13         |
| 2     | 0.15        | 30         | 10        | 0.1694025       | -56.94           | -13         |
| 3     | 30          | 1000       | 100       | 826.661         | -56.64           | -13         |
| 4     | 1000        | 10000      | 1000      | 2796.625        | -43.58           | -13         |

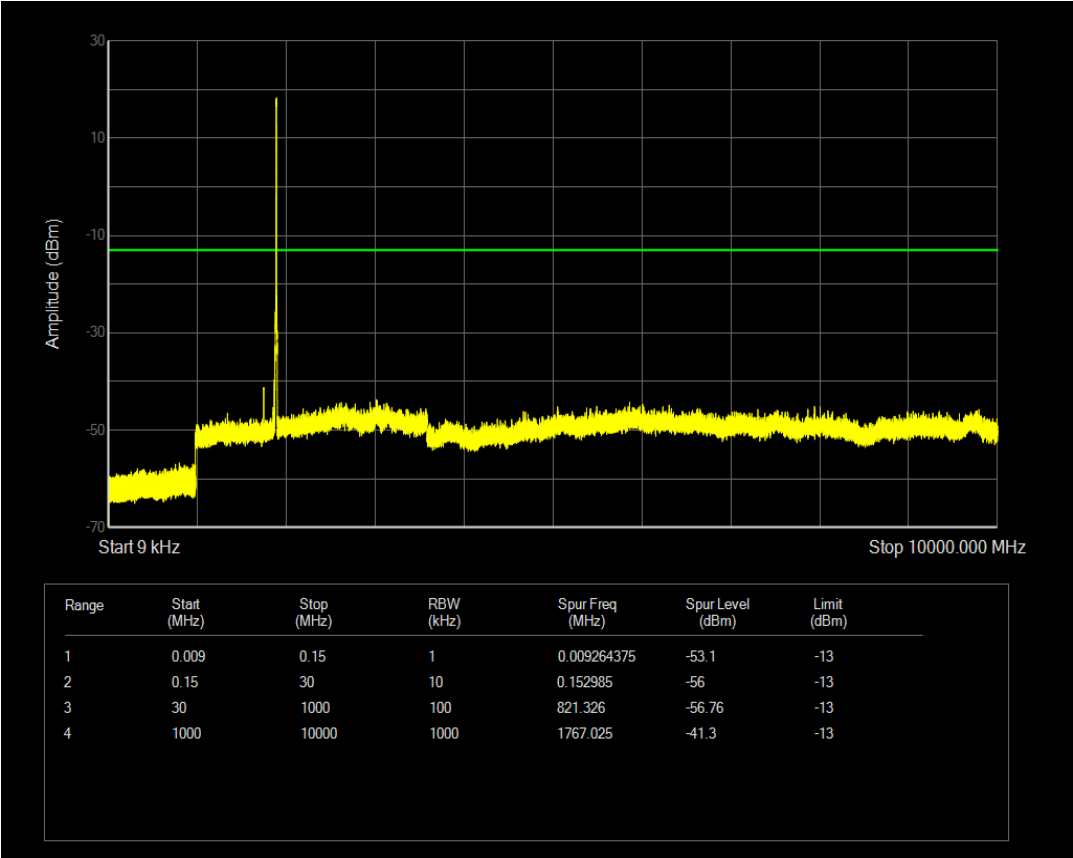
Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0



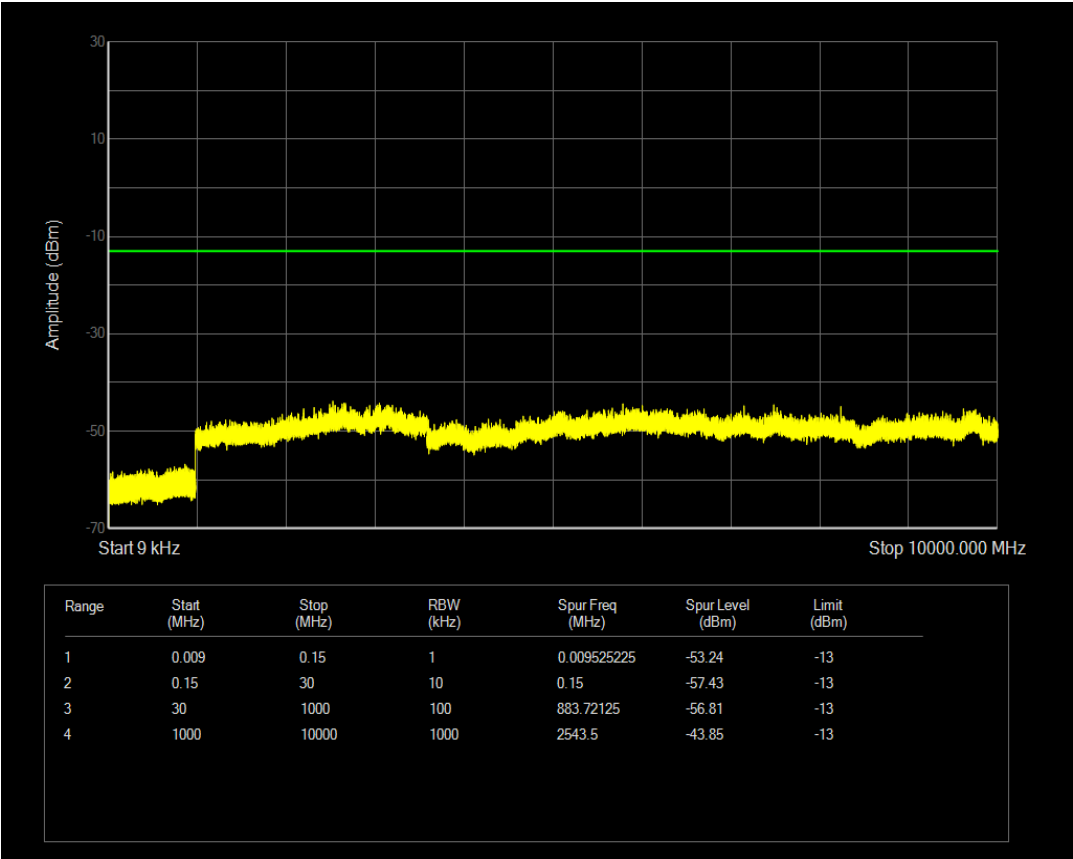
Band2 QAM16 BW=5MHz Channel=18625 RB Size=25 Position=#0



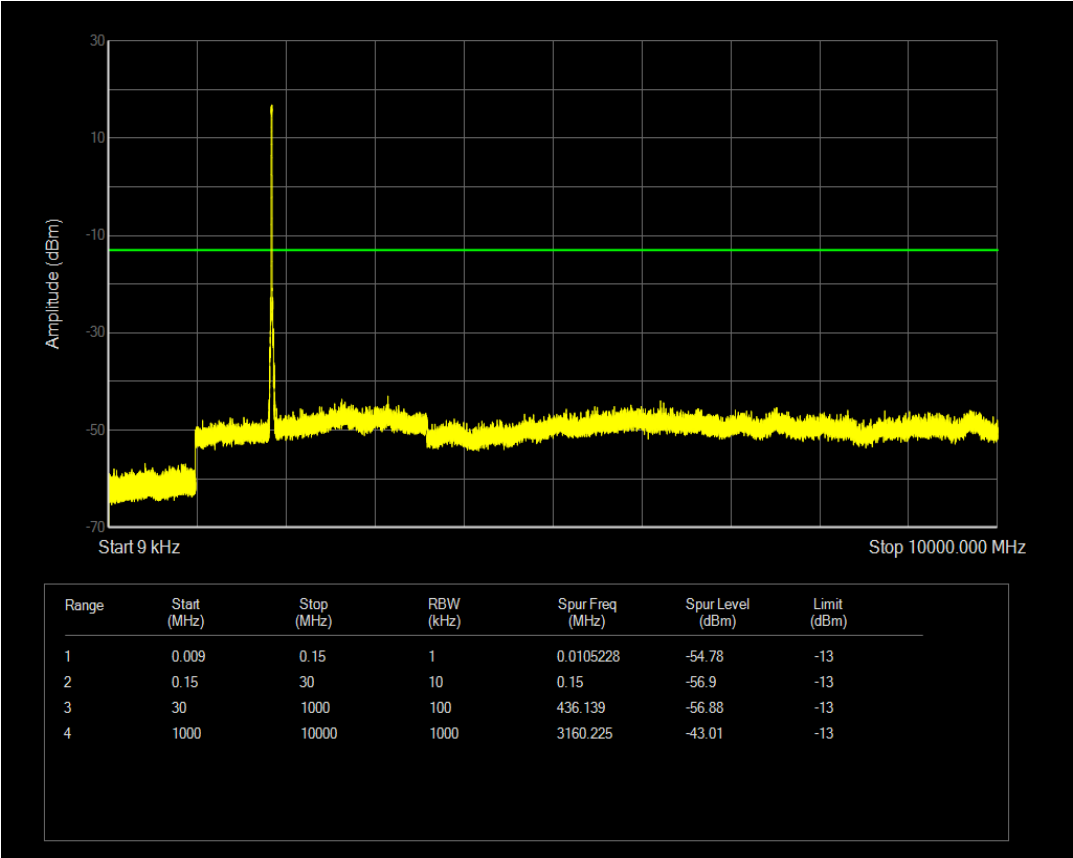
Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0



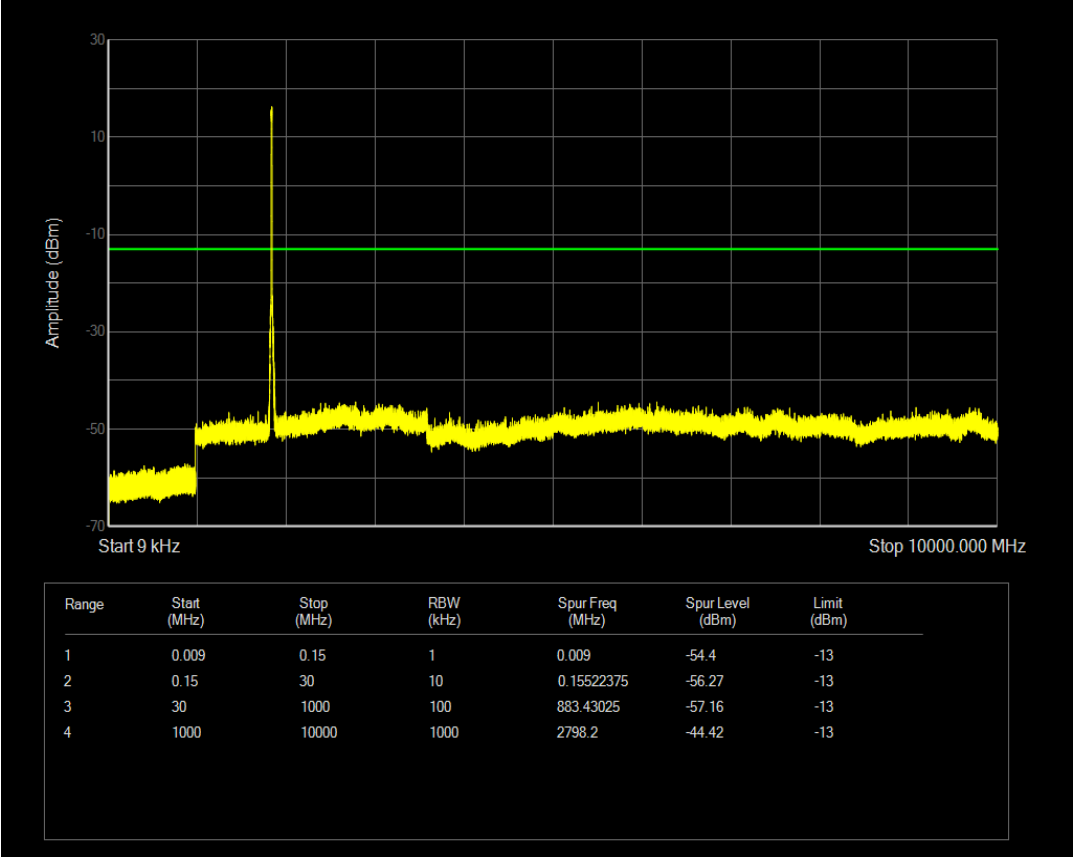
Band2 QAM16 BW=5MHz Channel=19175 RB Size=25 Position=#0



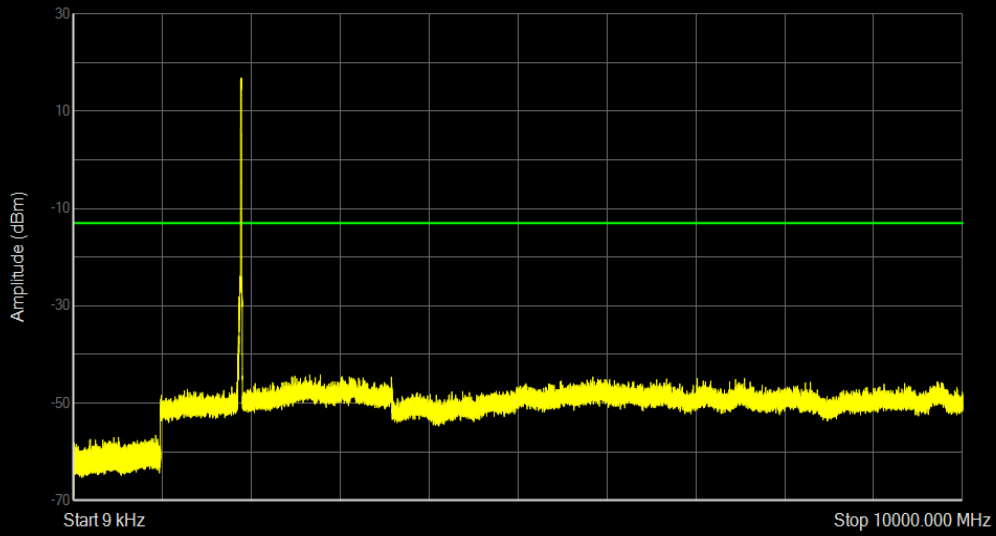
Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0



Band2 QAM16 BW=10MHz Channel=18650 RB Size=50 Position=#0

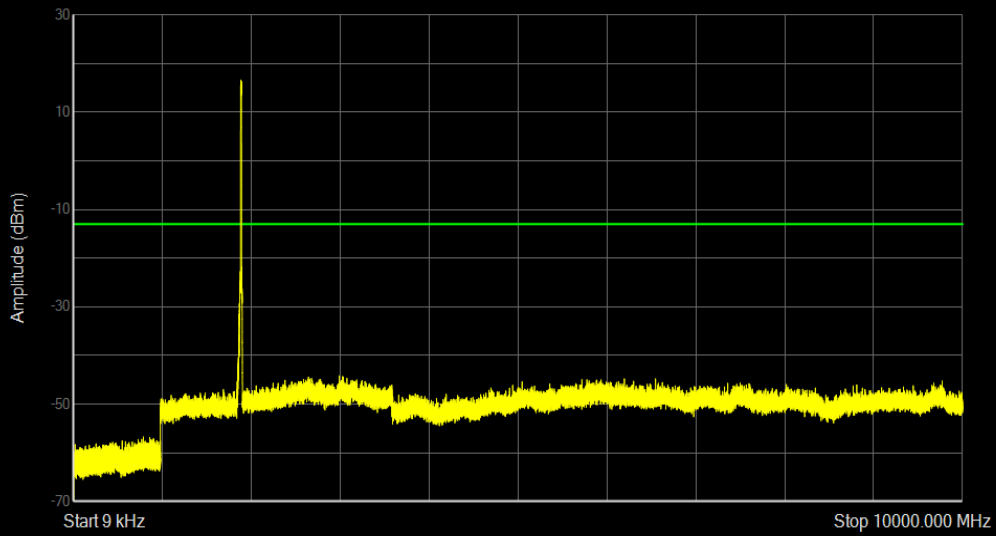


Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0



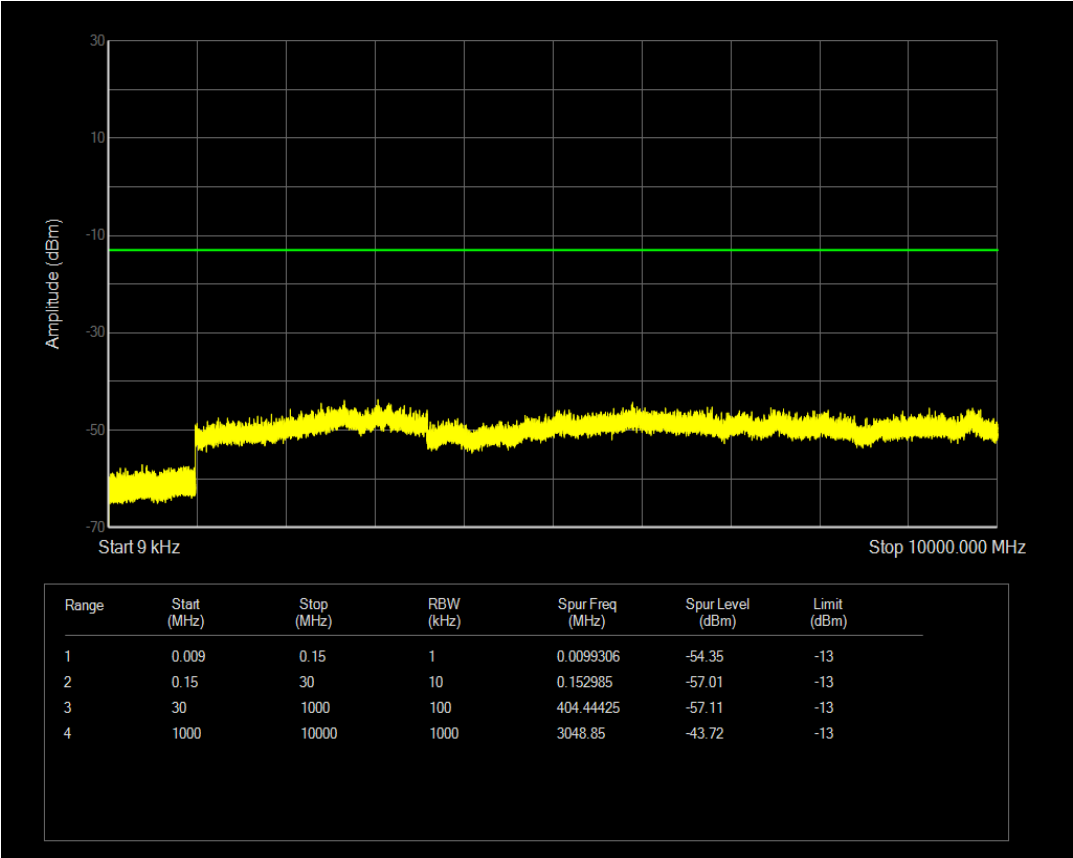
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009           | -55.01           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15223875      | -56.61           | -13         |
| 3     | 30          | 1000       | 100       | 948.32325       | -56.59           | -13         |
| 4     | 1000        | 10000      | 1000      | 2795.725        | -44.18           | -13         |

Band2 QAM16 BW=10MHz Channel=19150 RB Size=50 Position=#0

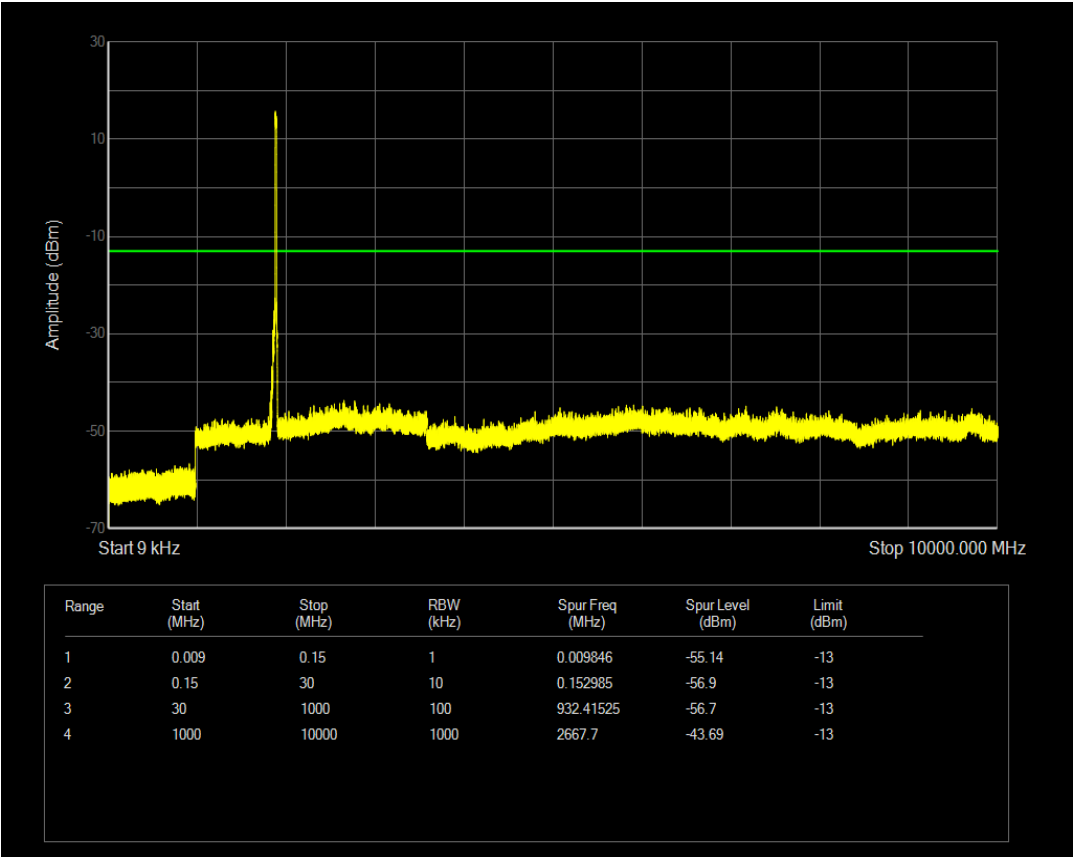


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009391275     | -54.35           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15671625      | -54              | -13         |
| 3     | 30          | 1000       | 100       | 810.29225       | -56.73           | -13         |
| 4     | 1000        | 10000      | 1000      | 3006.55         | -44.18           | -13         |

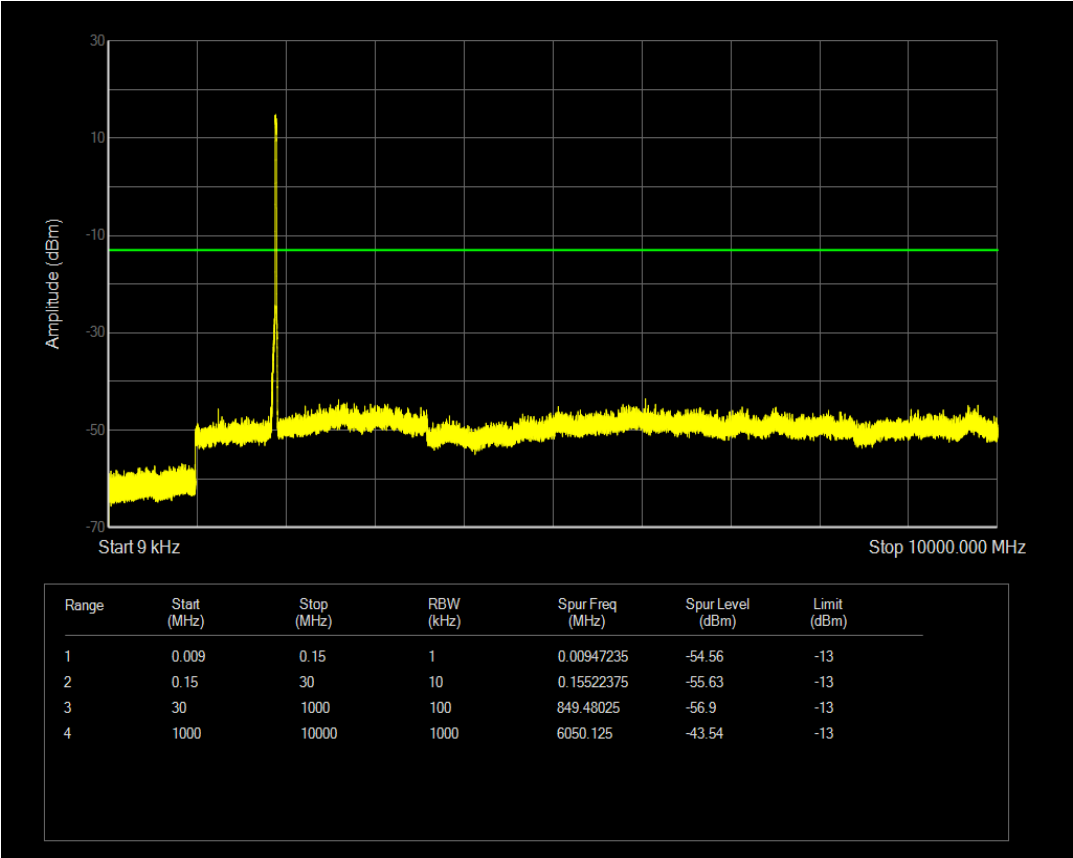
Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0



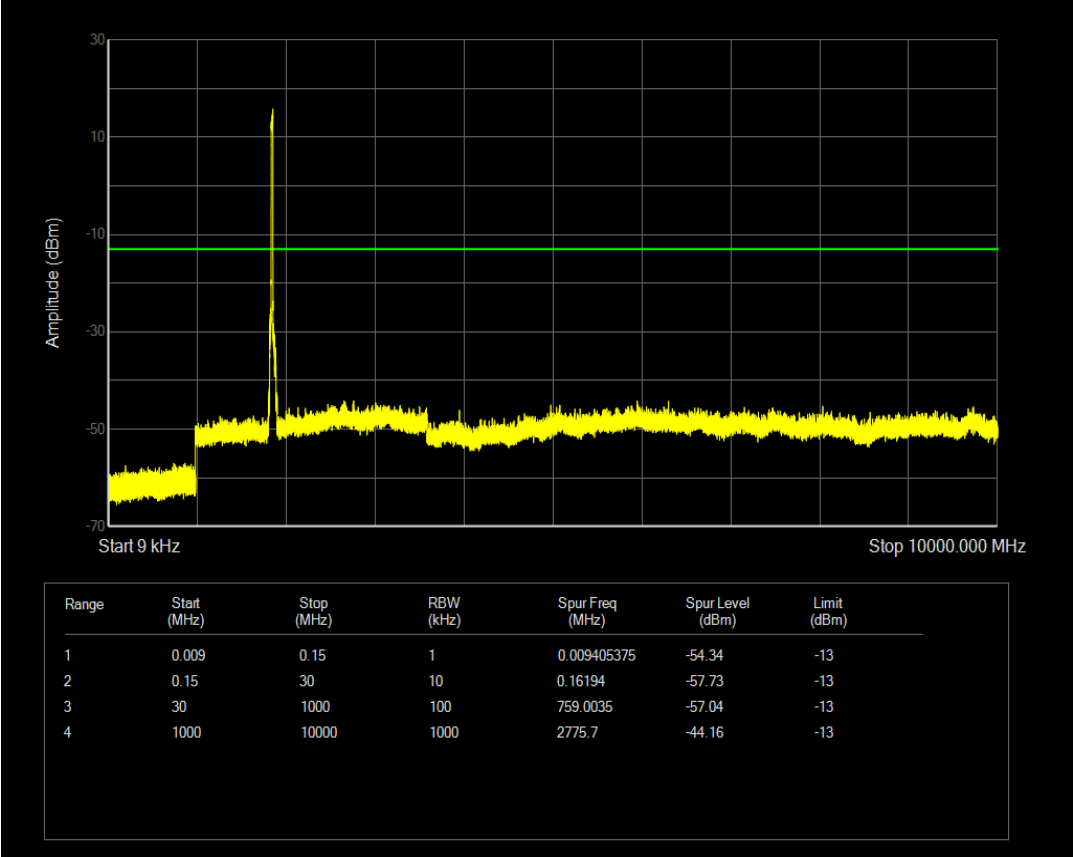
Band2 QPSK BW=15MHz Channel=19125 RB Size=75 Position=#0



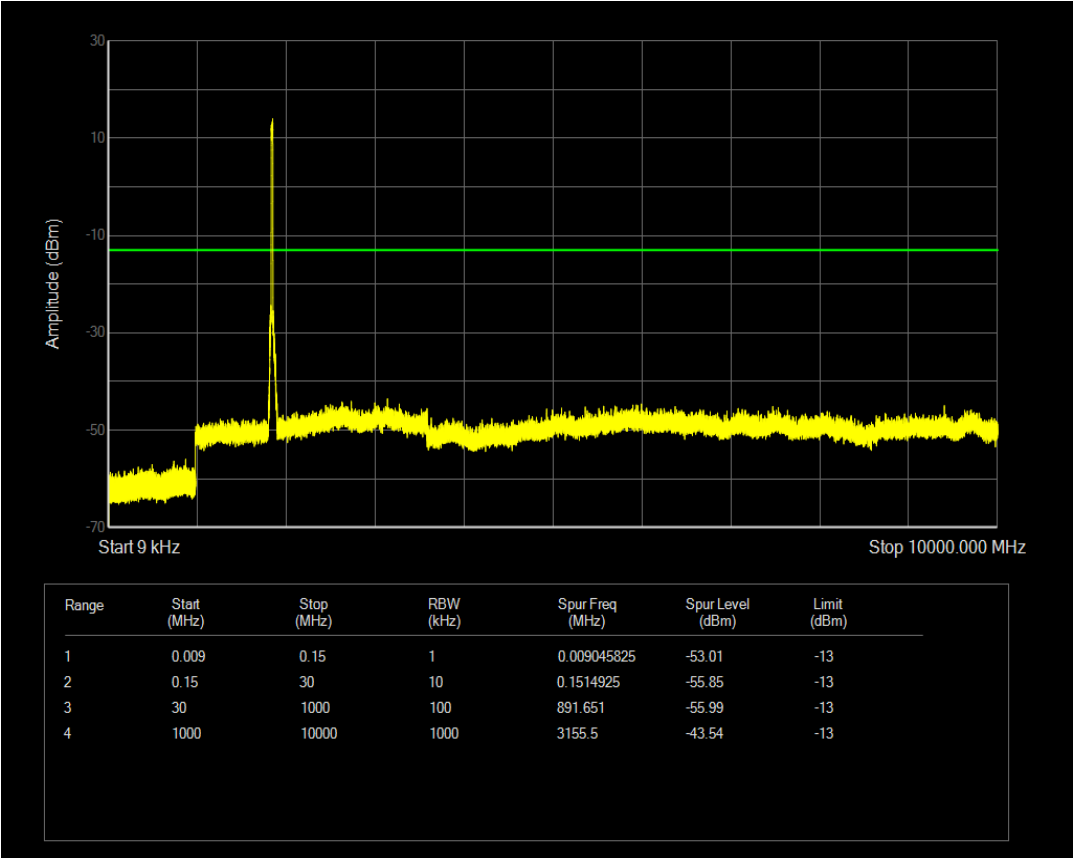
Band2 QAM16 BW=15MHz Channel=19125 RB Size=75 Position=#0



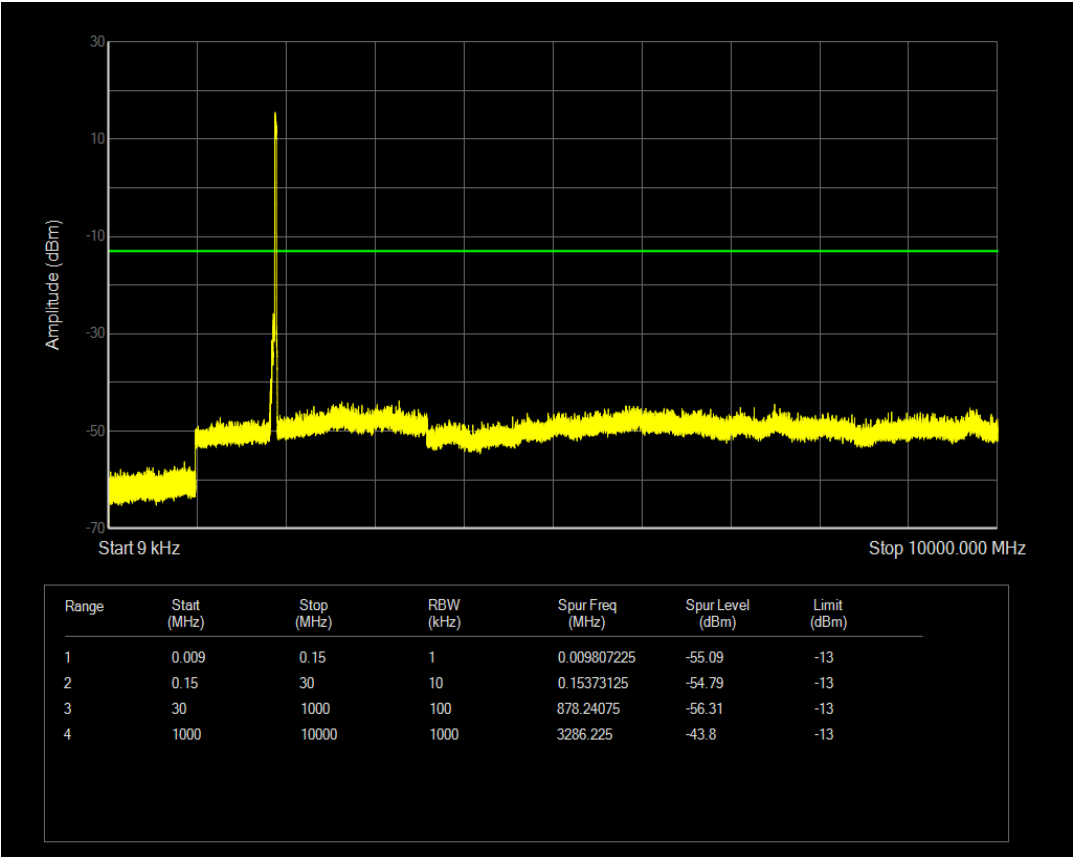
Band2 QPSK BW=20MHz Channel=18700 RB Size=100 Position=#0



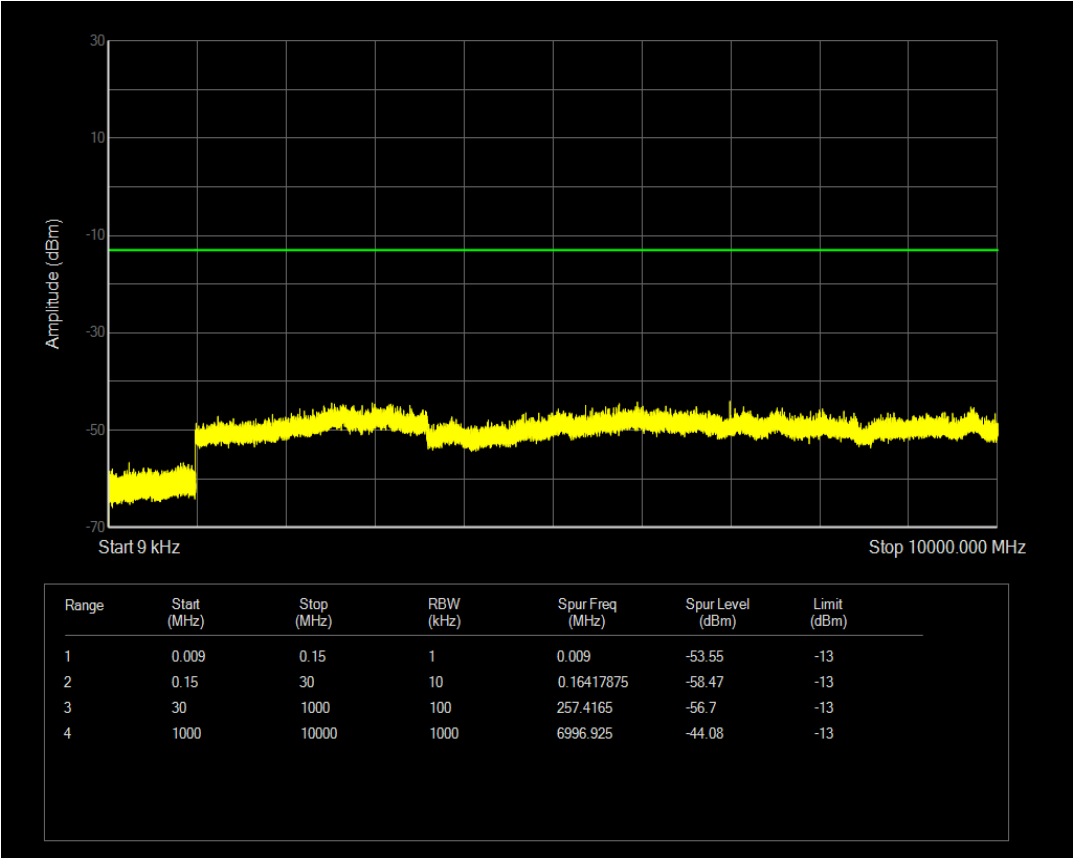
Band2 QAM16 BW=20MHz Channel=18700 RB Size=100 Position=#0



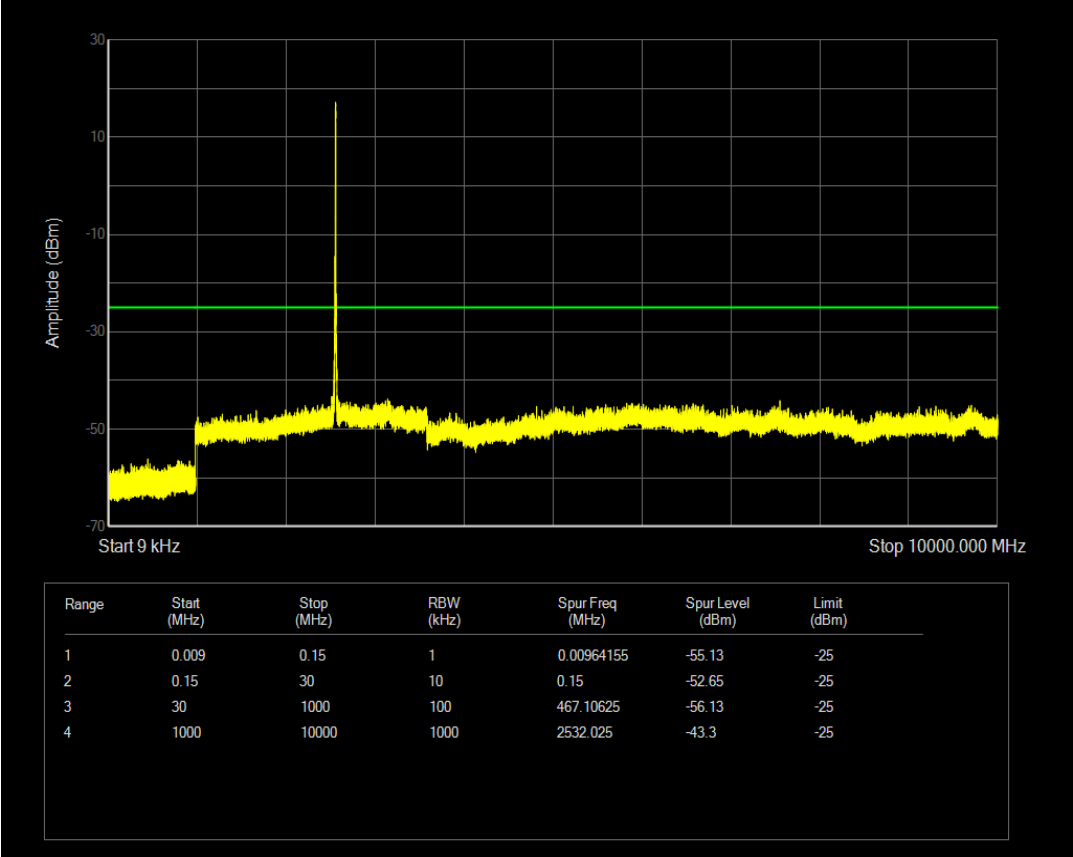
Band2 QPSK BW=20MHz Channel=19100 RB Size=100 Position=#0



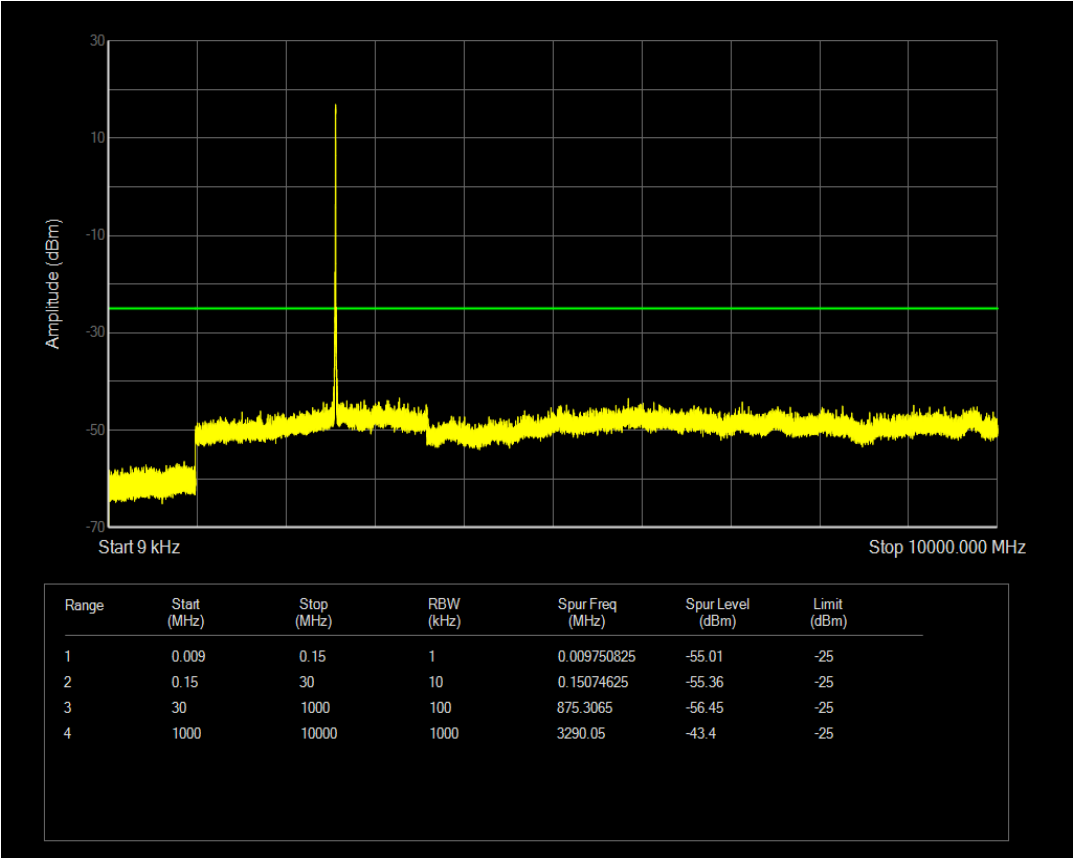
Band2 QAM16 BW=20MHz Channel=19100 RB Size=100 Position=#0



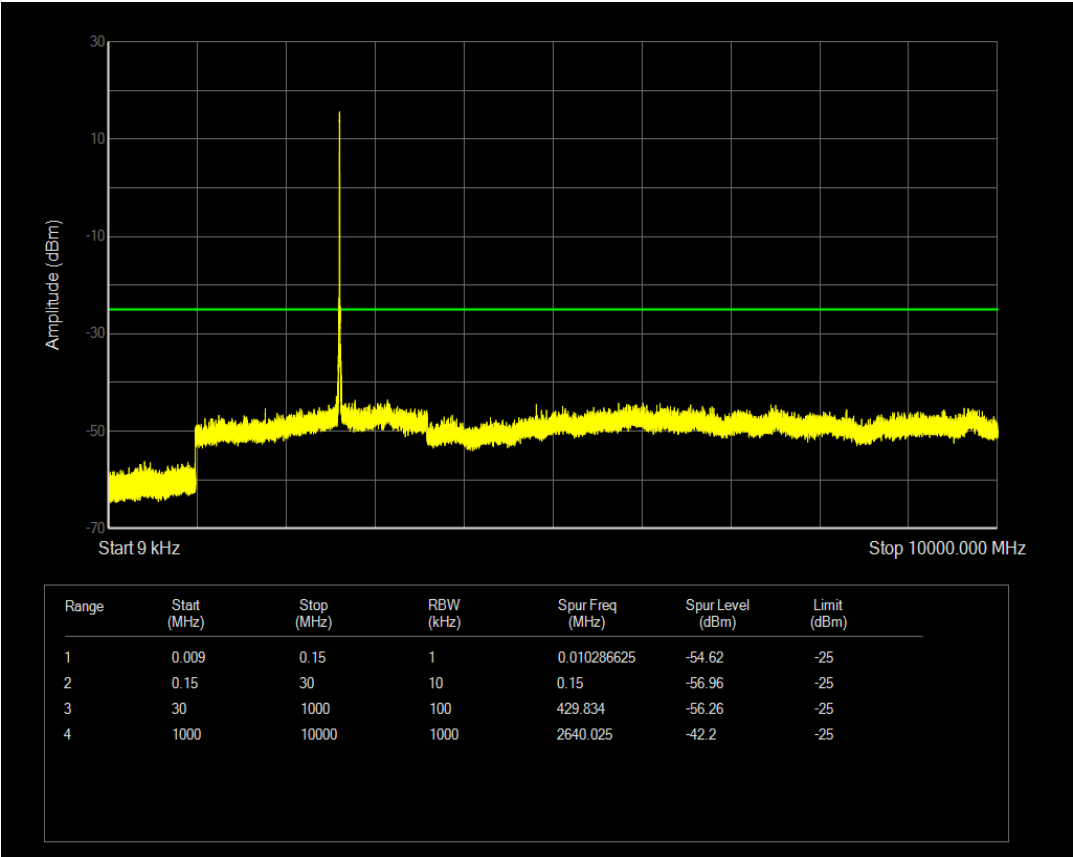
Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0



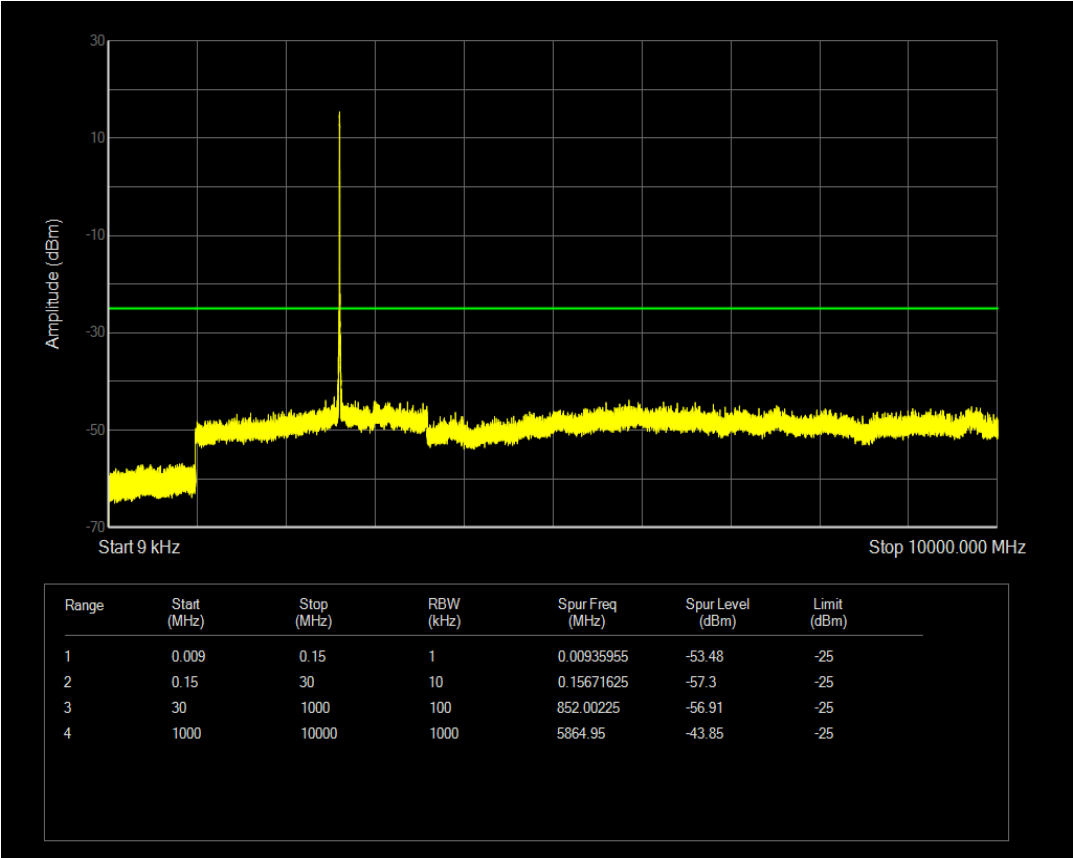
Band38 QAM16 BW=5MHz Channel=37775 RB Size=25 Position=#0



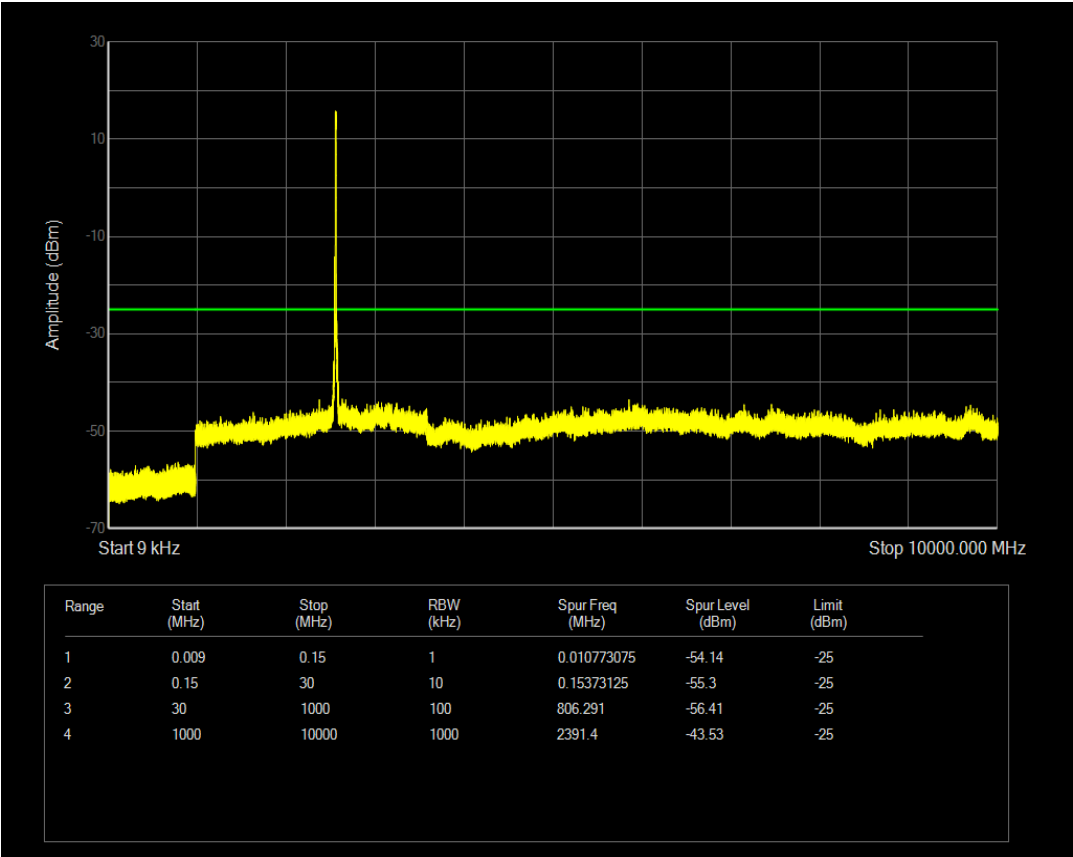
Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0



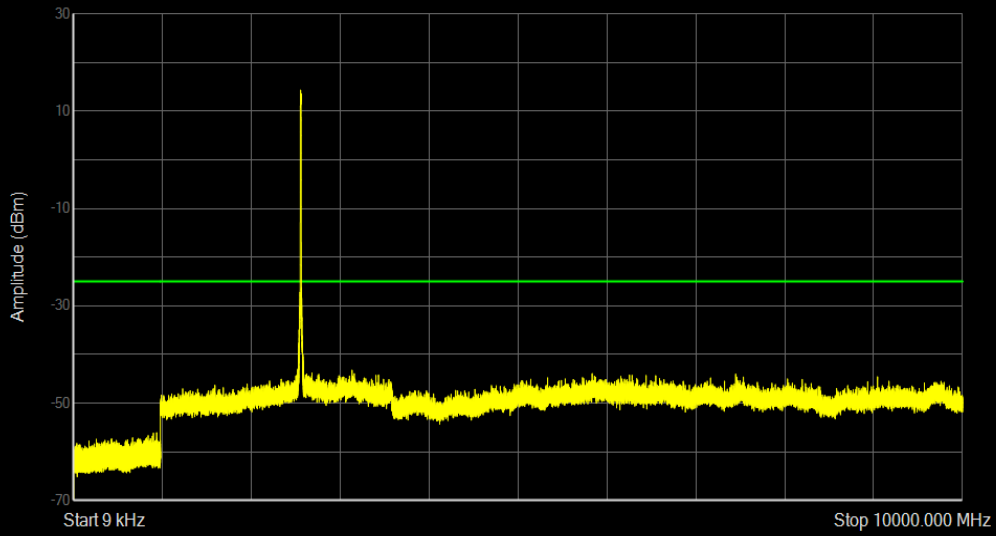
Band38 QAM16 BW=5MHz Channel=38225 RB Size=25 Position=#0



Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0

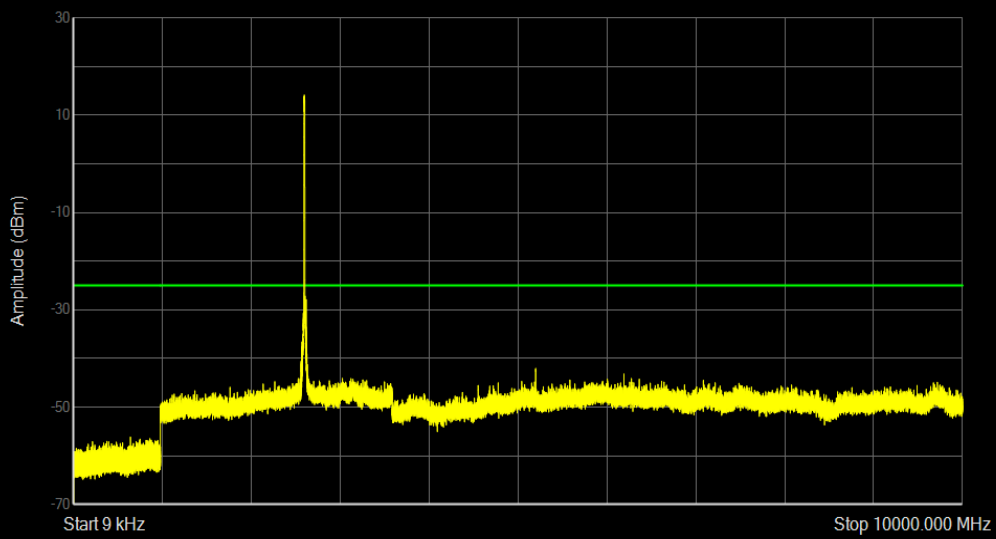


Band38 QAM16 BW=10MHz Channel=37800 RB Size=50 Position=#0



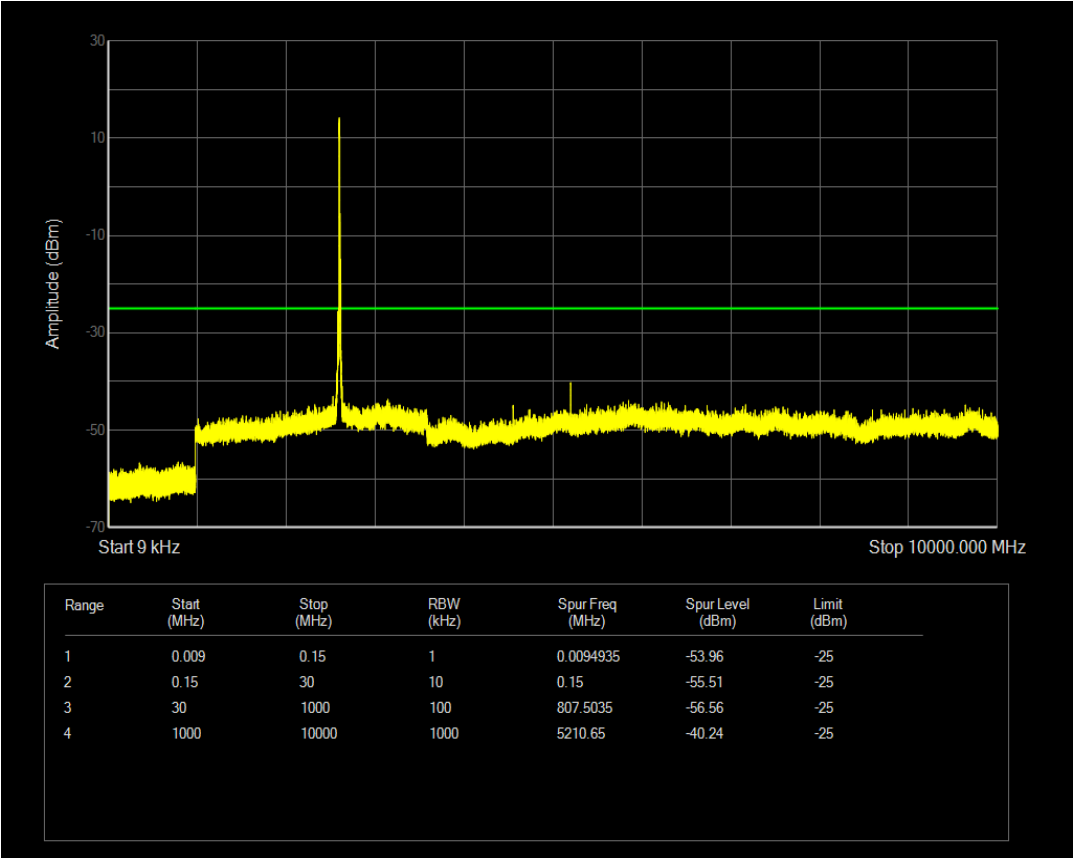
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0107766       | -54.18           | -25         |
| 2     | 0.15        | 30         | 10        | 0.16567125      | -55.39           | -25         |
| 3     | 30          | 1000       | 100       | 958.29          | -56.08           | -25         |
| 4     | 1000        | 10000      | 1000      | 3150.1          | -43.21           | -25         |

Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0

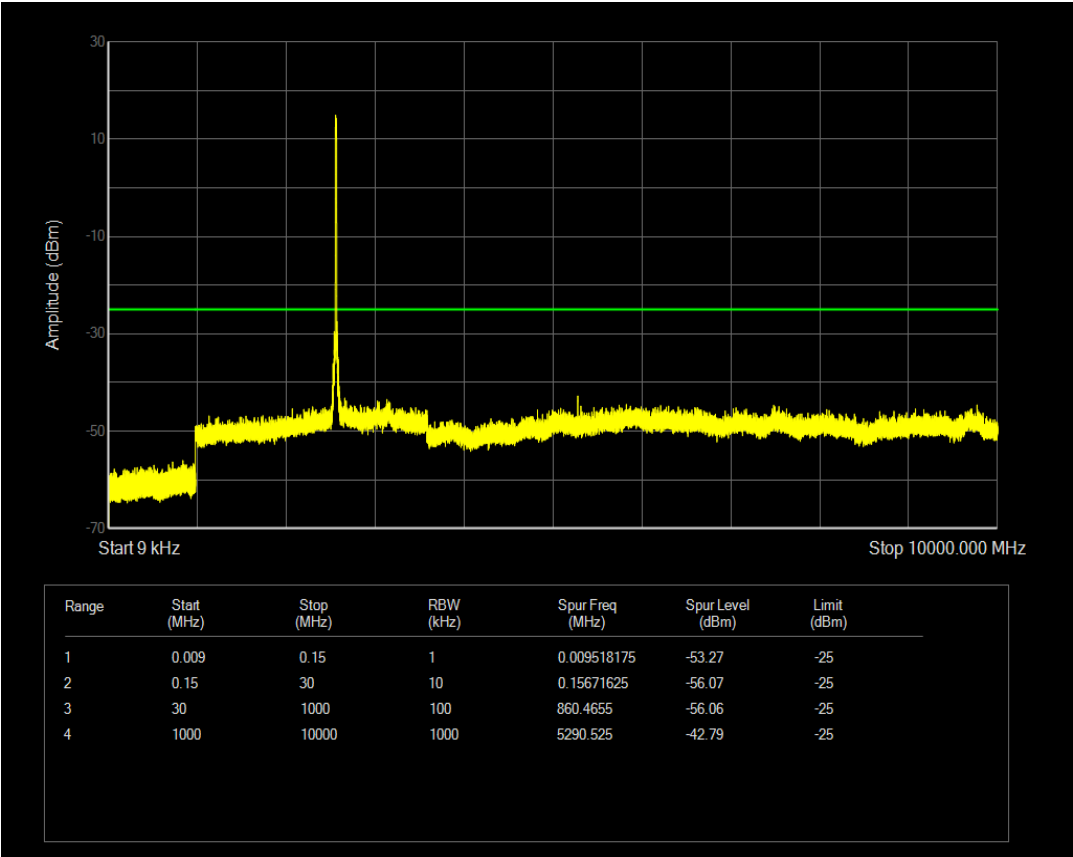


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.010420575     | -53.58           | -25         |
| 2     | 0.15        | 30         | 10        | 0.1604475       | -57.12           | -25         |
| 3     | 30          | 1000       | 100       | 664.6225        | -56.19           | -25         |
| 4     | 1000        | 10000      | 1000      | 5210.425        | -42.05           | -25         |

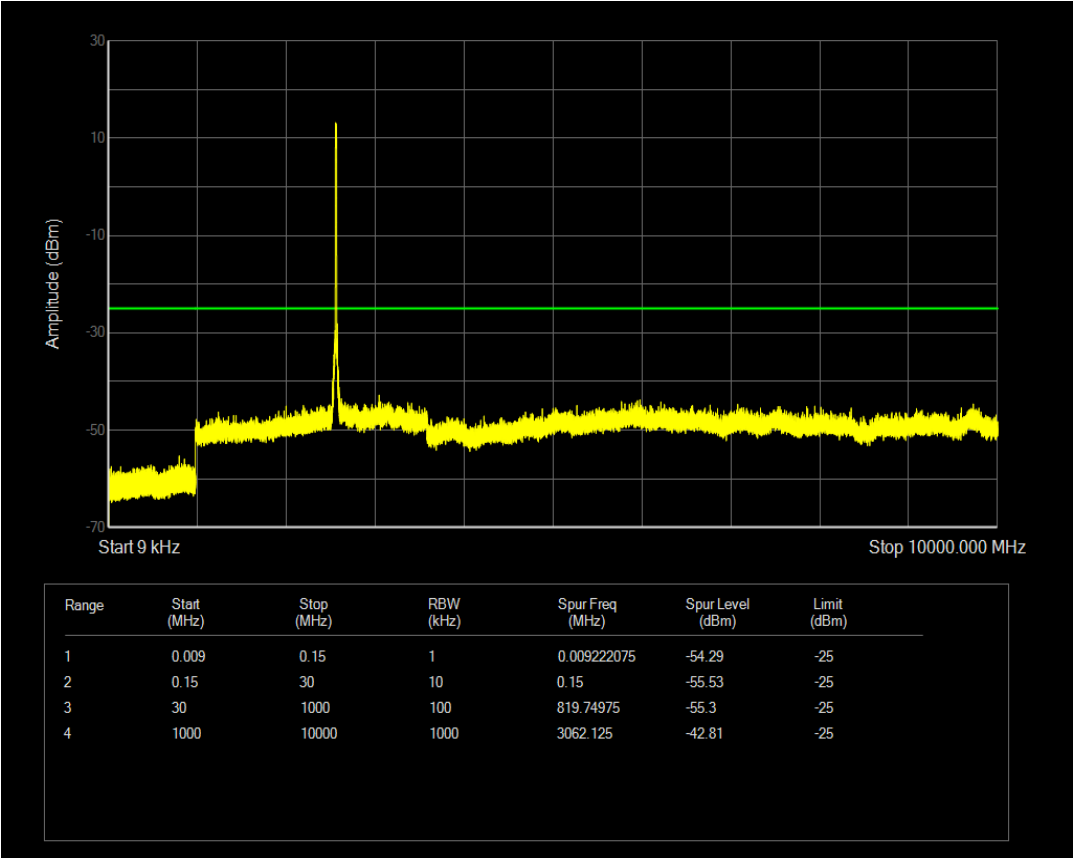
Band38 QAM16 BW=10MHz Channel=38200 RB Size=50 Position=#0



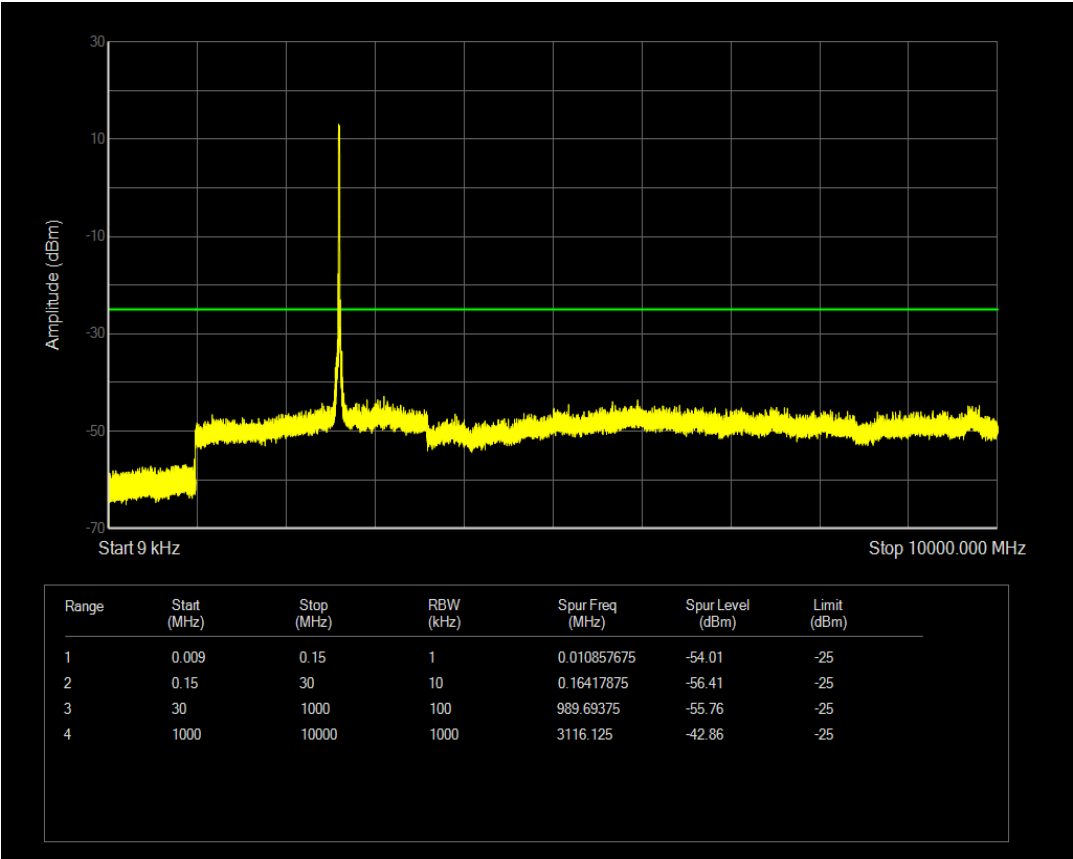
Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0



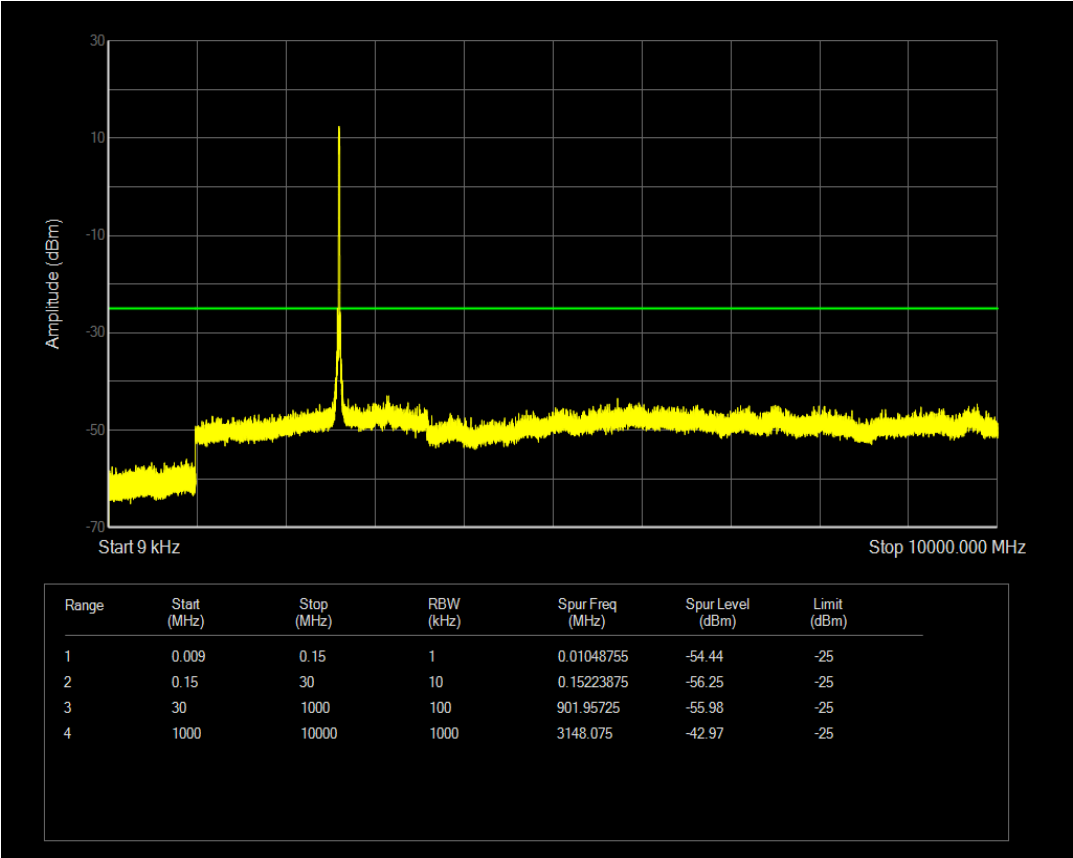
Band38 QAM16 BW=15MHz Channel=37825 RB Size=75 Position=#0



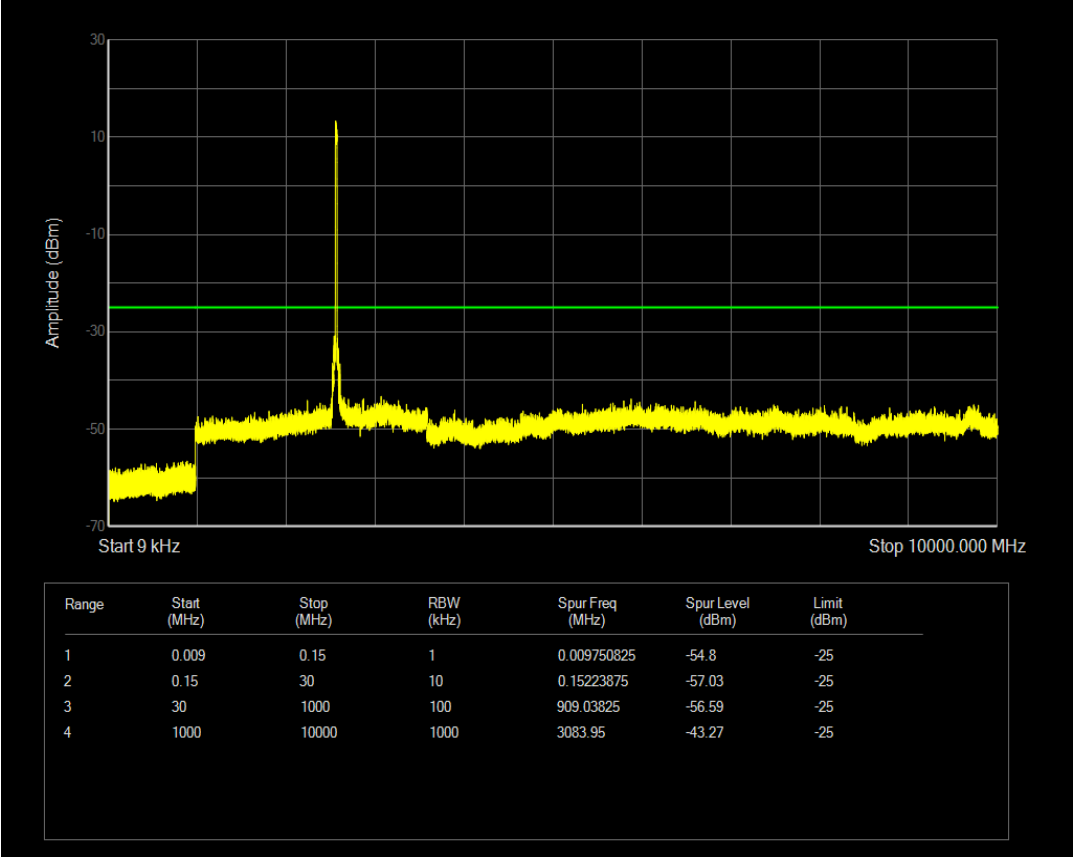
Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0



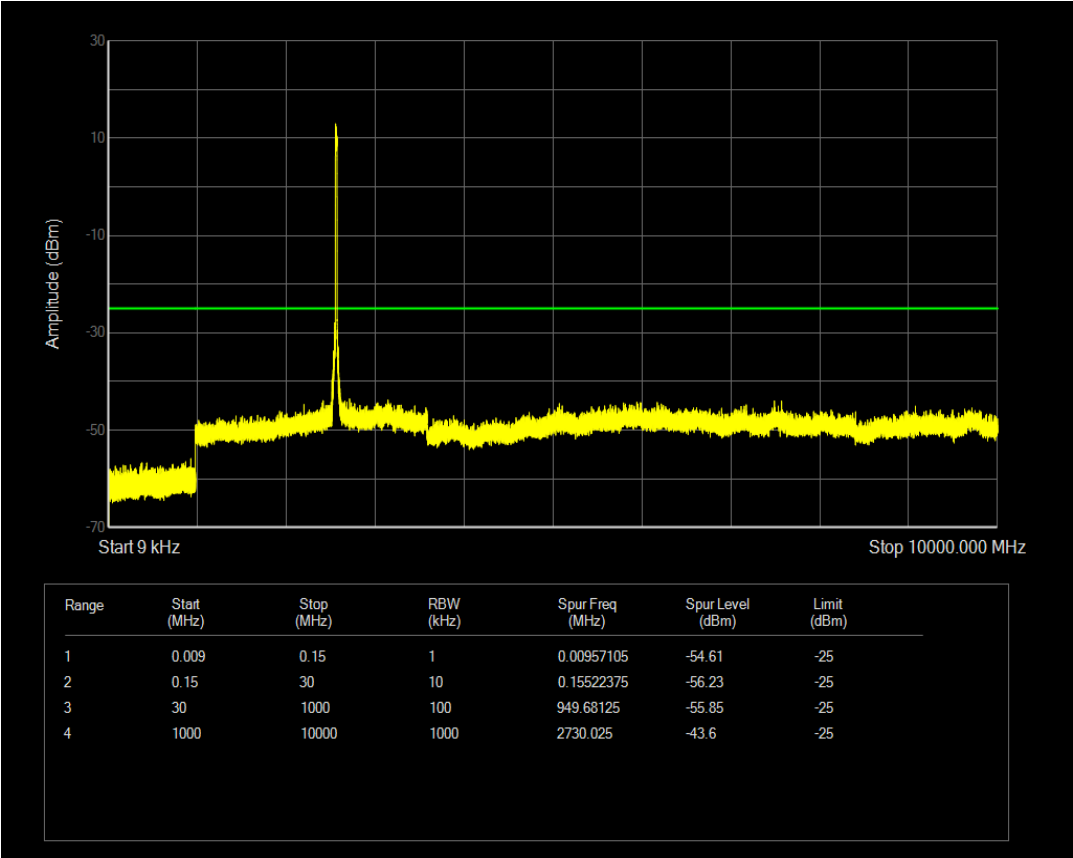
Band38 QAM16 BW=15MHz Channel=38175 RB Size=75 Position=#0



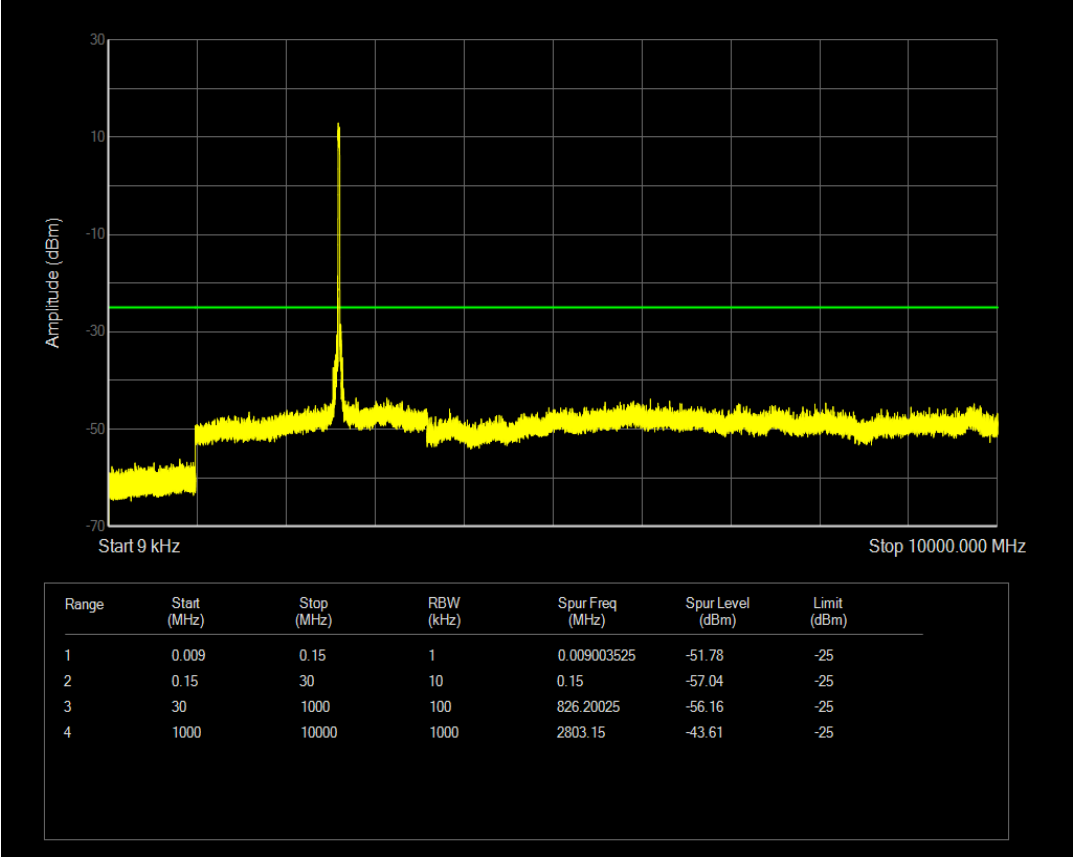
Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0



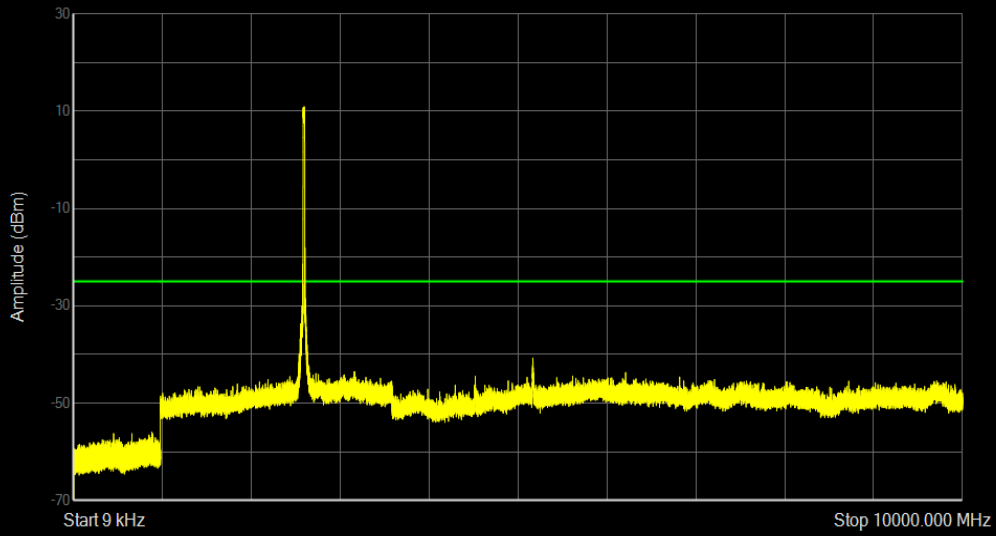
Band38 QAM16 BW=20MHz Channel=37850 RB Size=100 Position=#0



Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0

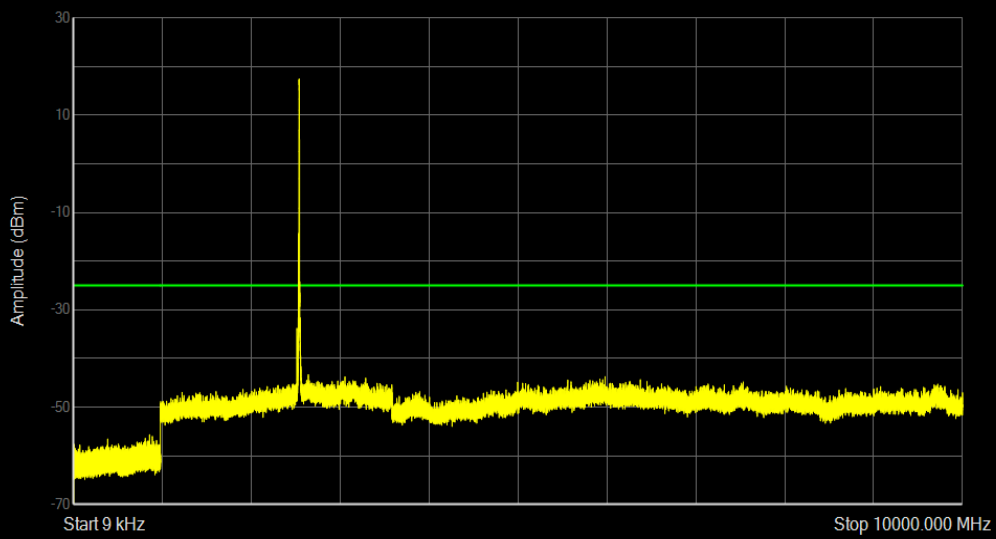


Band38 QAM16 BW=20MHz Channel=38150 RB Size=100 Position=#0



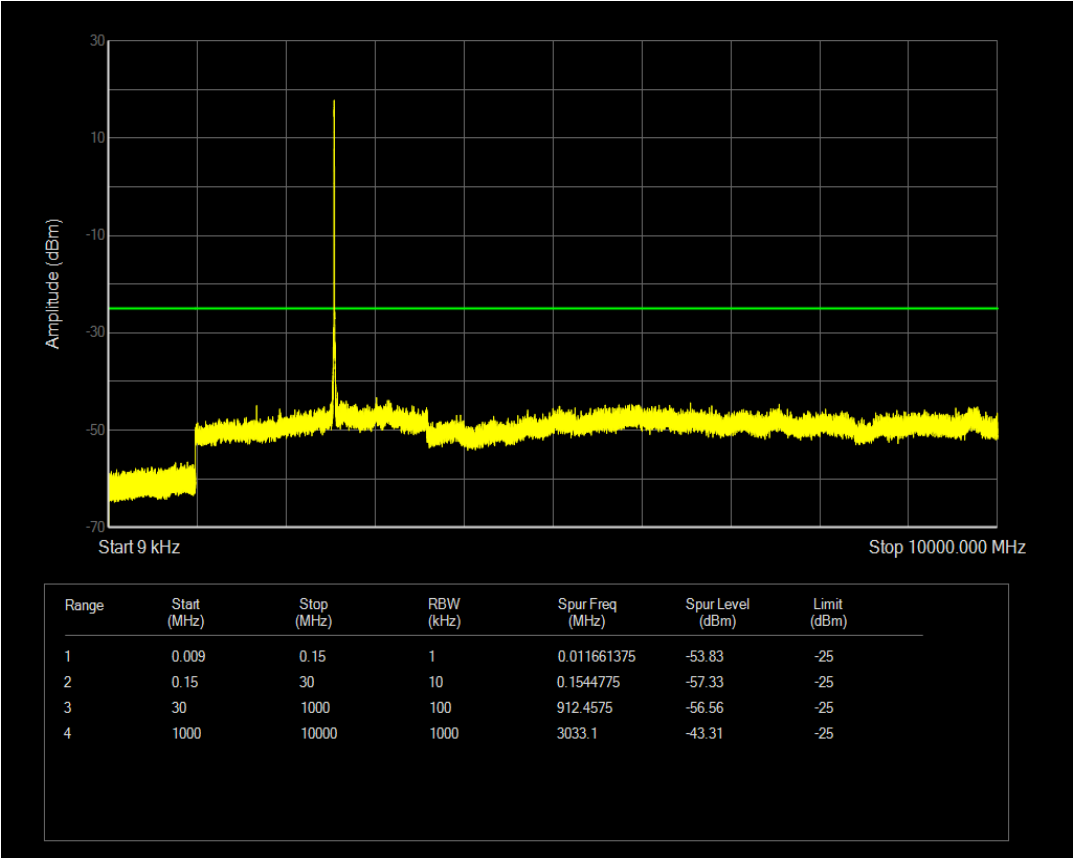
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009102225     | -53.83           | -25         |
| 2     | 0.15        | 30         | 10        | 0.188805        | -56.55           | -25         |
| 3     | 30          | 1000       | 100       | 904.0185        | -55.96           | -25         |
| 4     | 1000        | 10000      | 1000      | 5178.925        | -40.73           | -25         |

Band41(2555-2655) QPSK BW=5MHz Channel=40265 RB Size=25 Position=#0

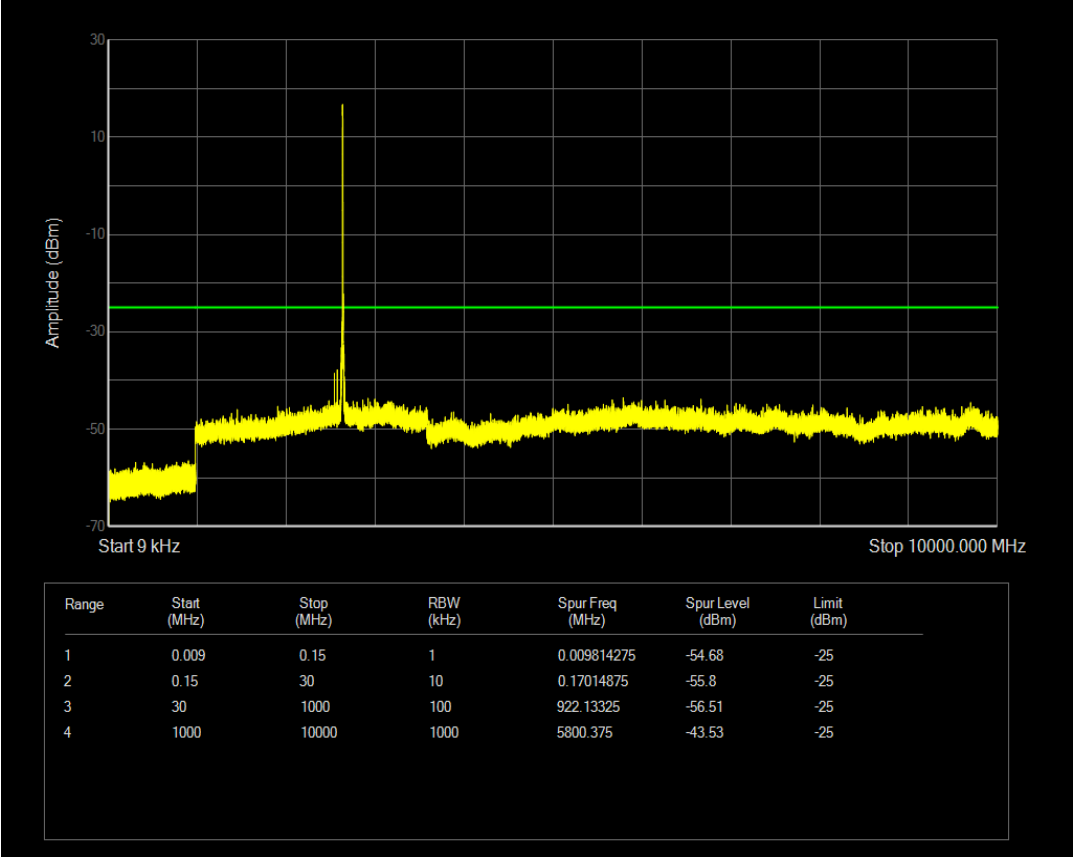


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009327825     | -54.1            | -25         |
| 2     | 0.15        | 30         | 10        | 0.1694025       | -56.18           | -25         |
| 3     | 30          | 1000       | 100       | 879.235         | -55.66           | -25         |
| 4     | 1000        | 10000      | 1000      | 2532.475        | -33.8            | -25         |

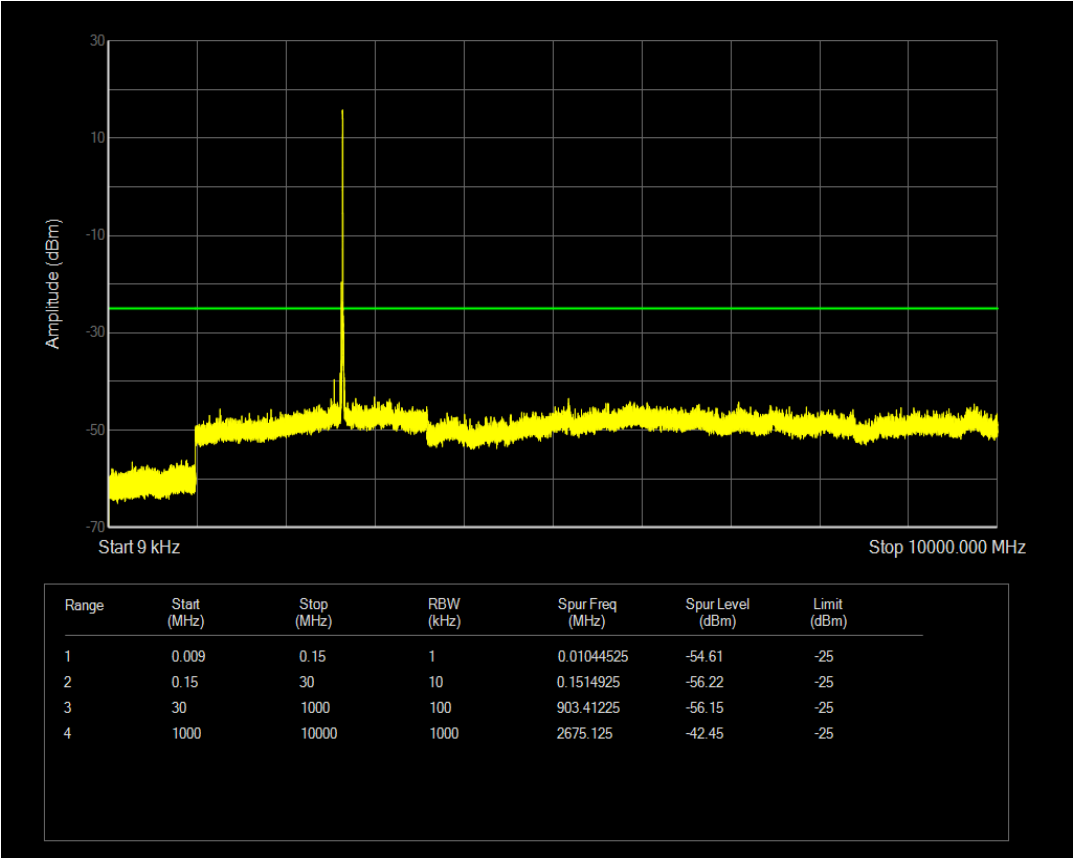
Band41(2555-2655) QAM16 BW=5MHz Channel=40265 RB Size=25 Position=#0



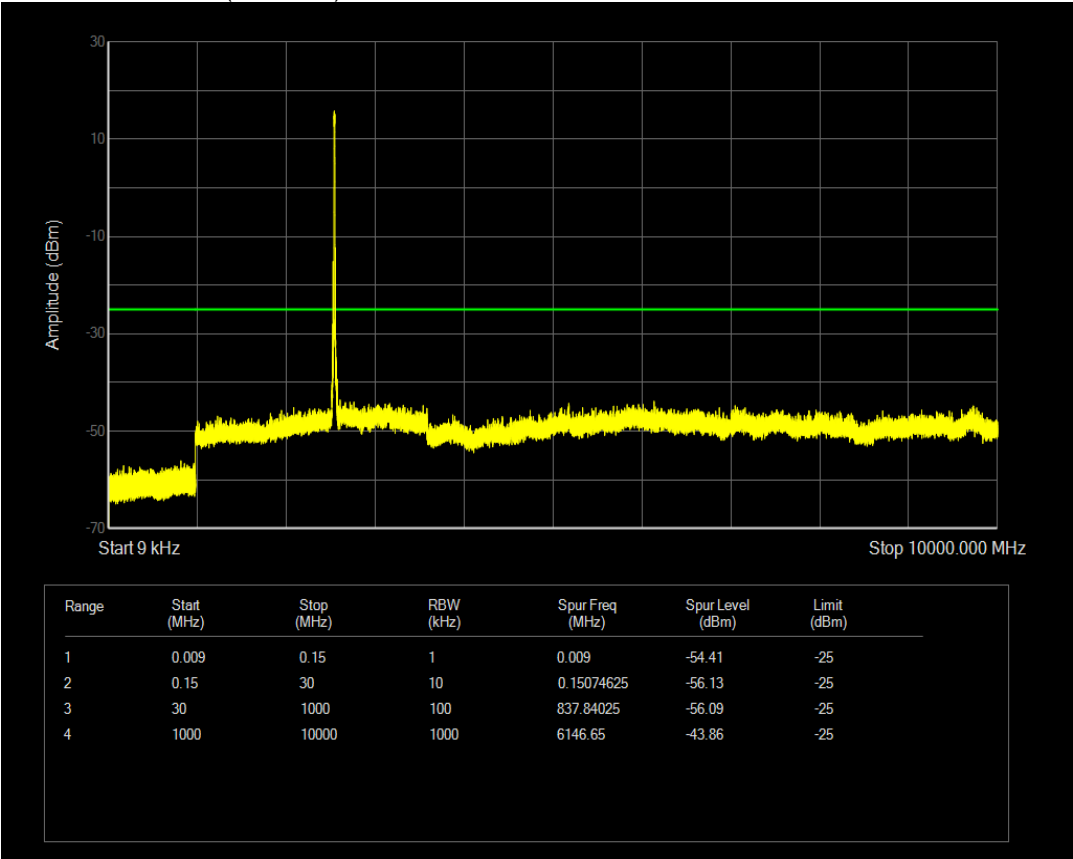
Band41(2555-2655) QPSK BW=5MHz Channel=41215 RB Size=25 Position=#0



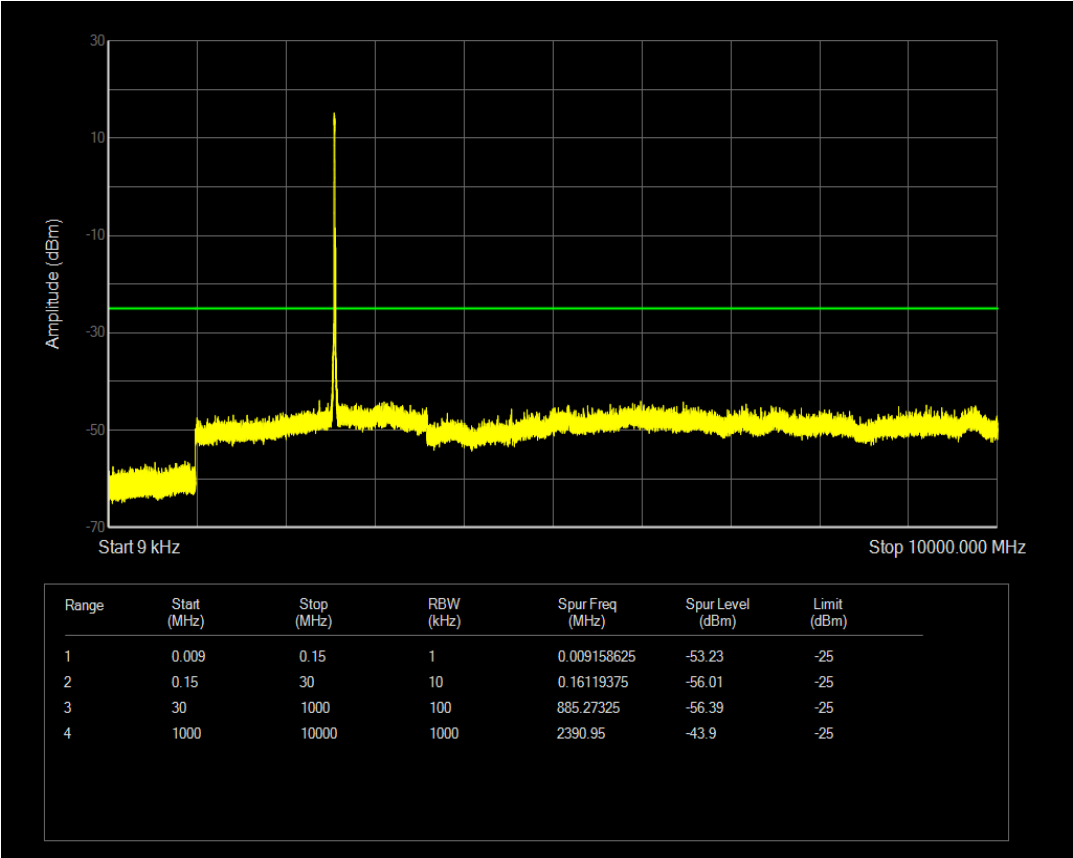
Band41(2555-2655) QAM16 BW=5MHz Channel=41215 RB Size=25 Position=#0



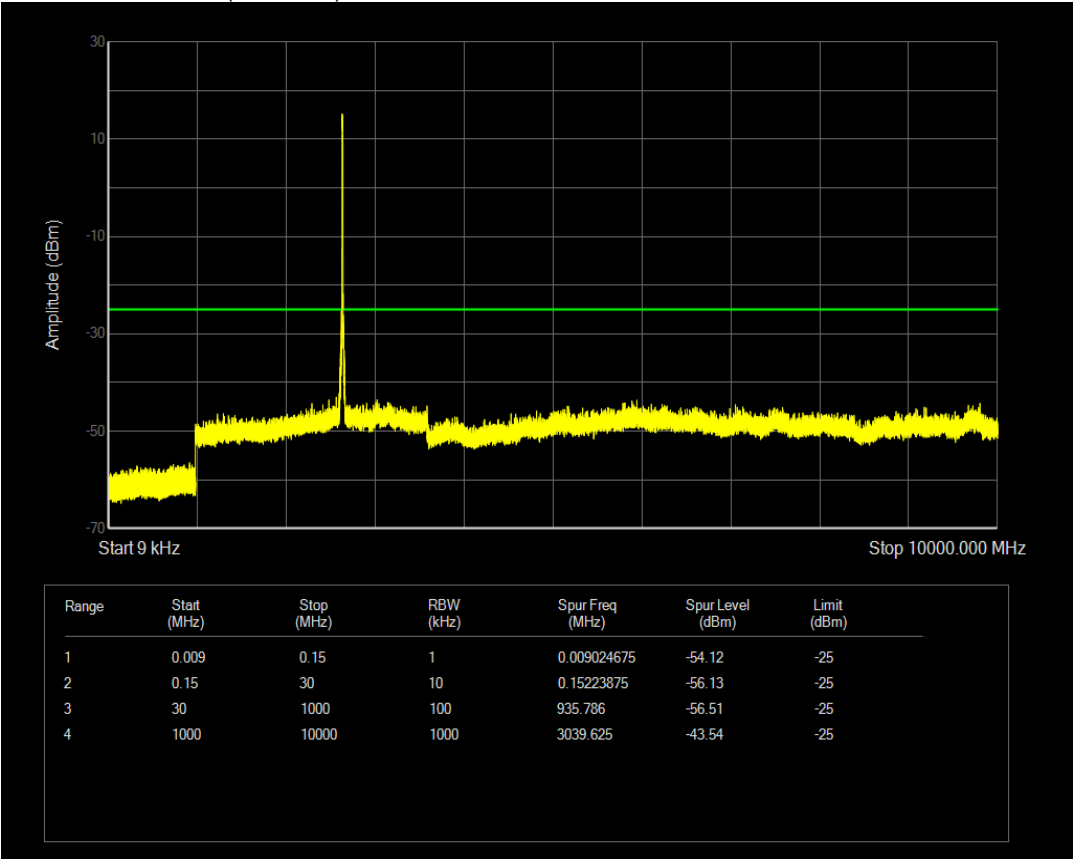
Band41(2555-2655) QPSK BW=10MHz Channel=40290 RB Size=50 Position=#0



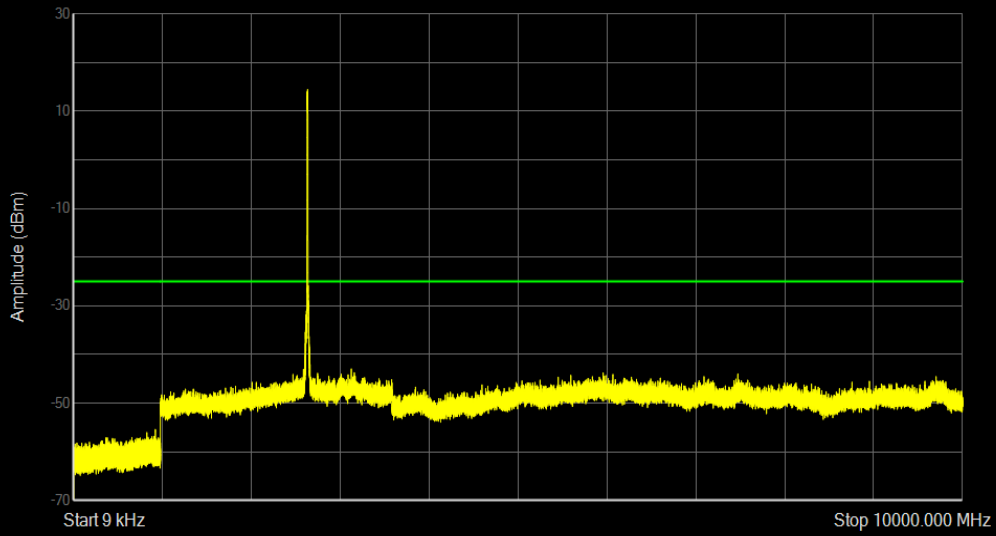
Band41(2555-2655) QAM16 BW=10MHz Channel=40290 RB Size=50 Position=#0



Band41(2555-2655) QPSK BW=10MHz Channel=41190 RB Size=50 Position=#0

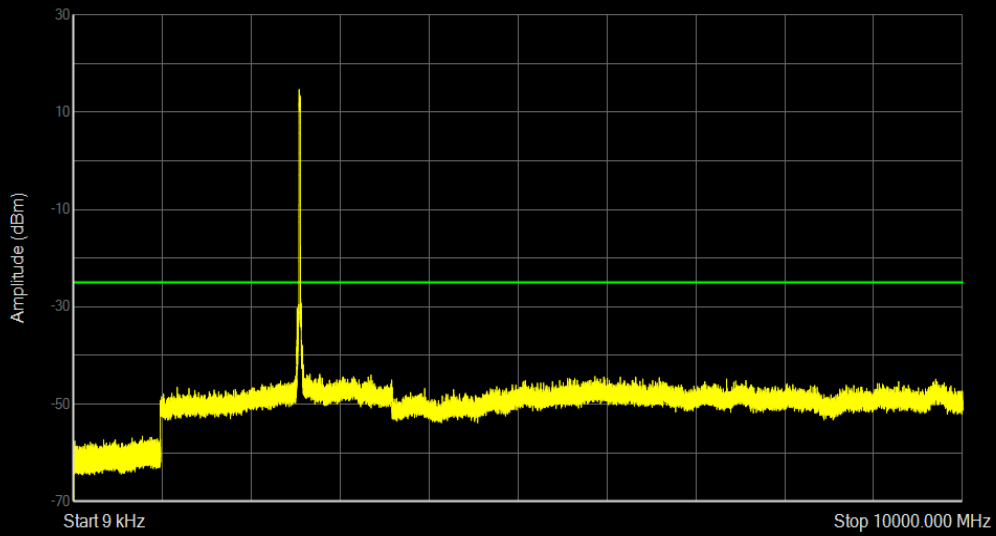


Band41(2555-2655) QAM16 BW=10MHz Channel=41190 RB Size=50 Position=#0



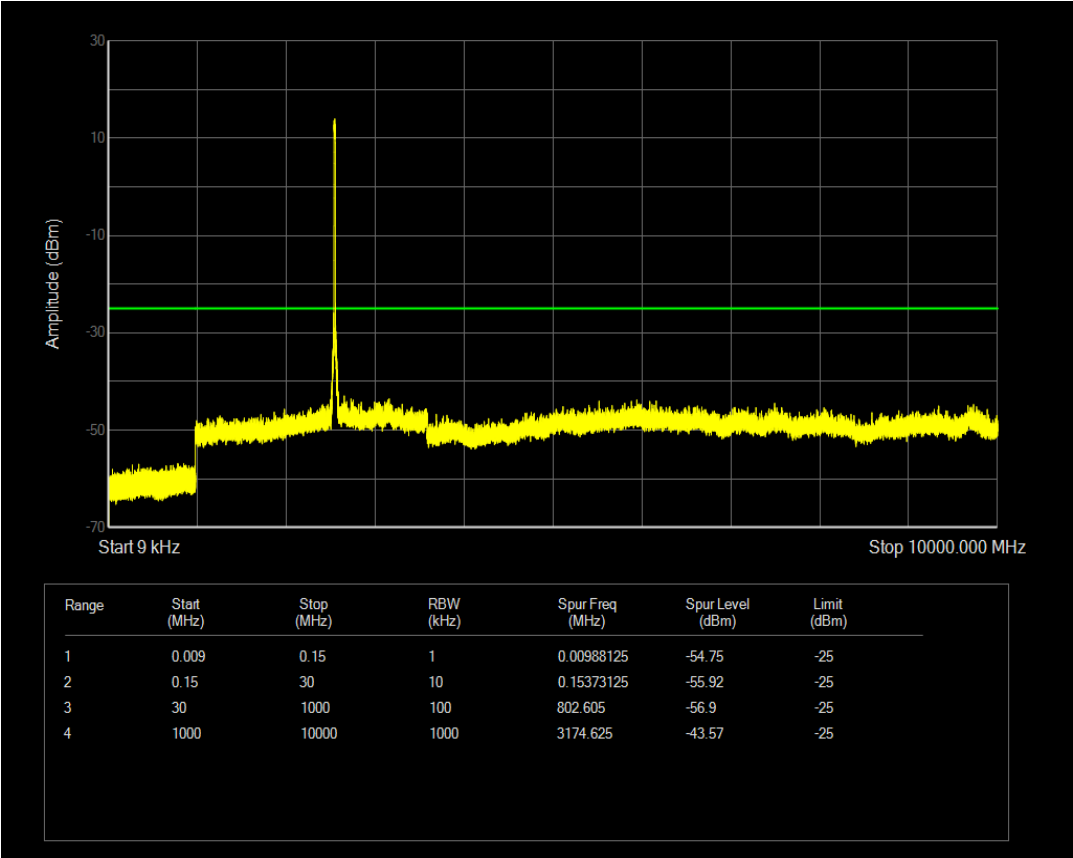
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009482925     | -53.89           | -25         |
| 2     | 0.15        | 30         | 10        | 0.16865625      | -55.01           | -25         |
| 3     | 30          | 1000       | 100       | 943.546         | -55.4            | -25         |
| 4     | 1000        | 10000      | 1000      | 3142.45         | -42.98           | -25         |

Band41(2555-2655) QPSK BW=15MHz Channel=40315 RB Size=75 Position=#0

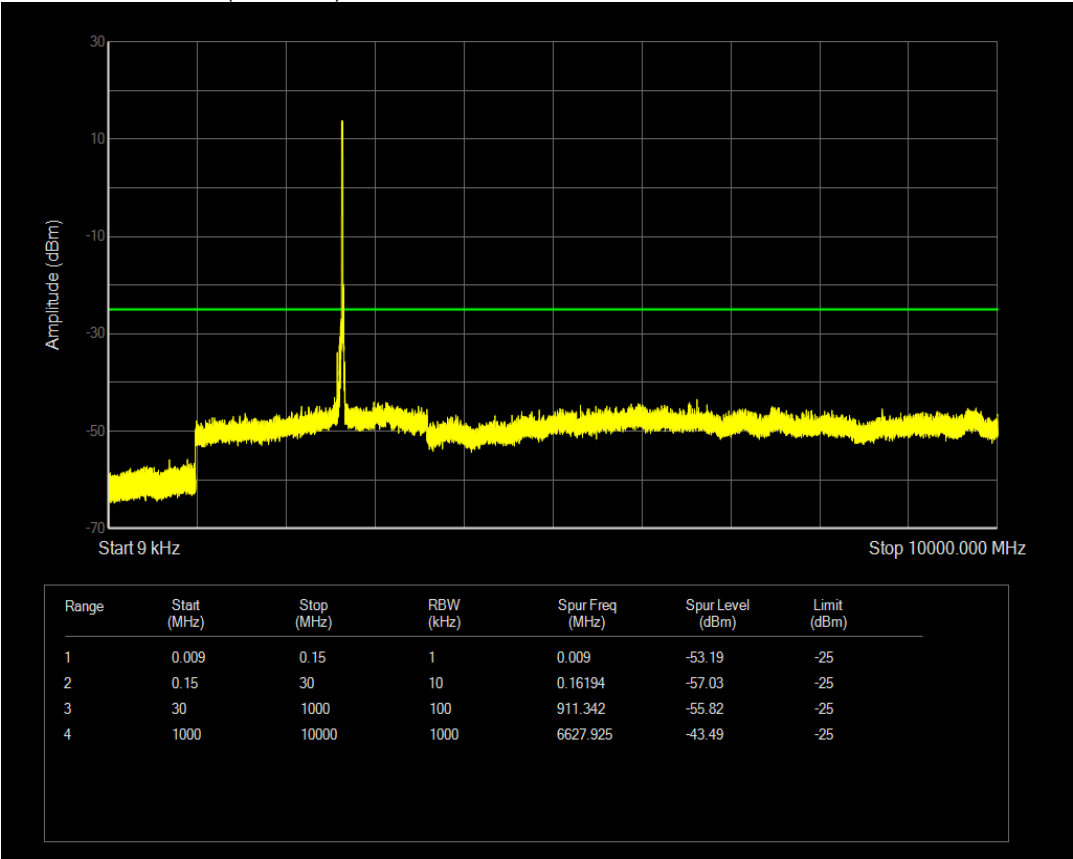


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.00978255      | -54.75           | -25         |
| 2     | 0.15        | 30         | 10        | 0.1694025       | -56.28           | -25         |
| 3     | 30          | 1000       | 100       | 798.45825       | -56.59           | -25         |
| 4     | 1000        | 10000      | 1000      | 2788.525        | -43.85           | -25         |

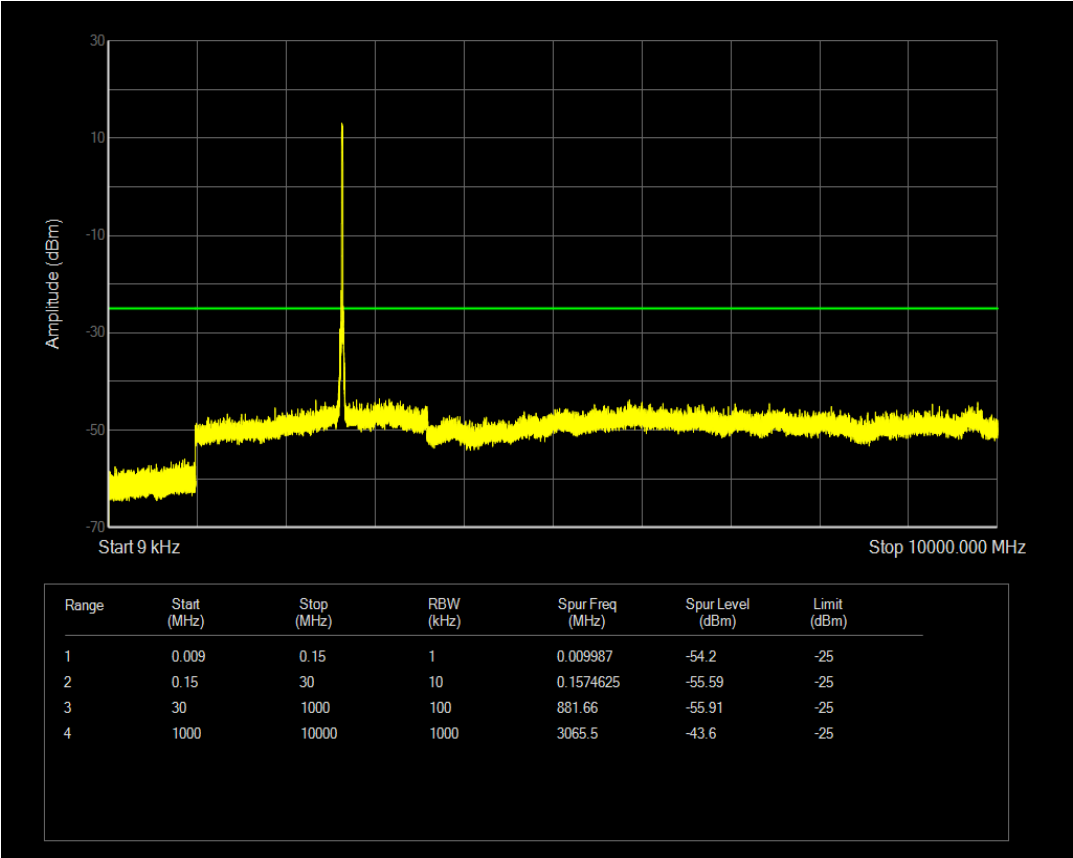
Band41(2555-2655) QAM16 BW=15MHz Channel=40315 RB Size=75 Position=#0



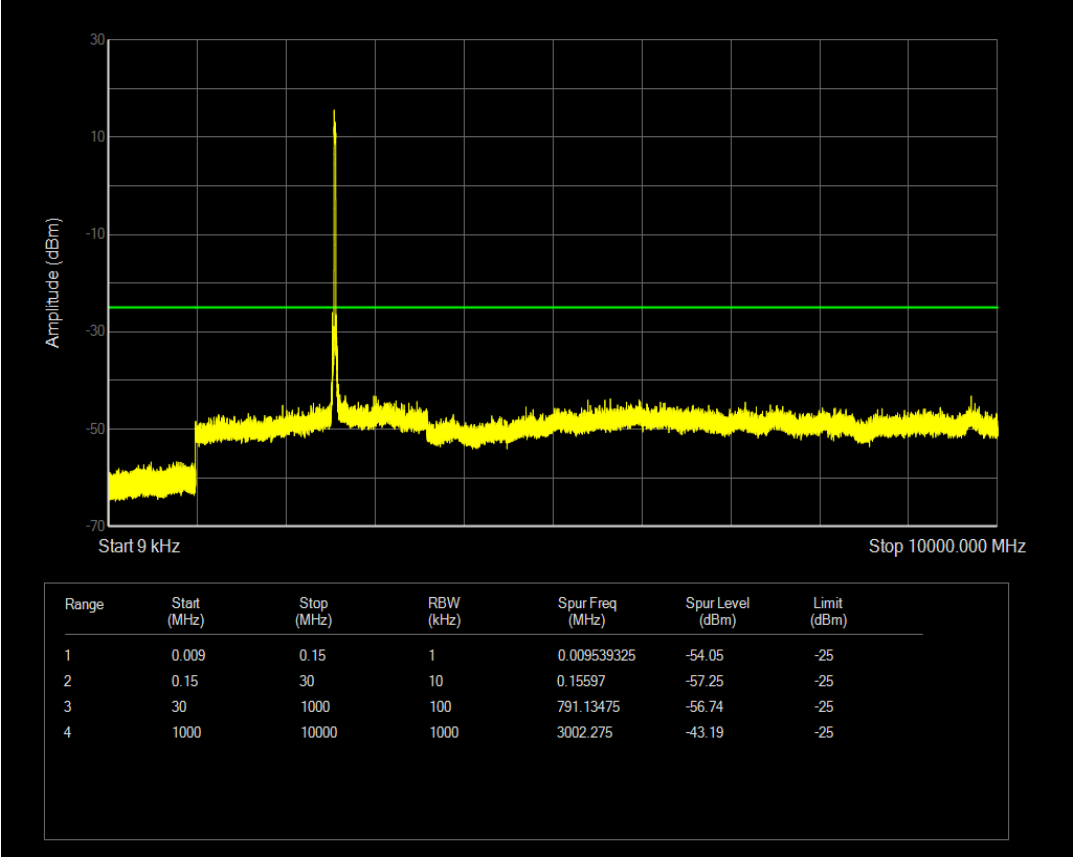
Band41(2555-2655) QPSK BW=15MHz Channel=41165 RB Size=75 Position=#0



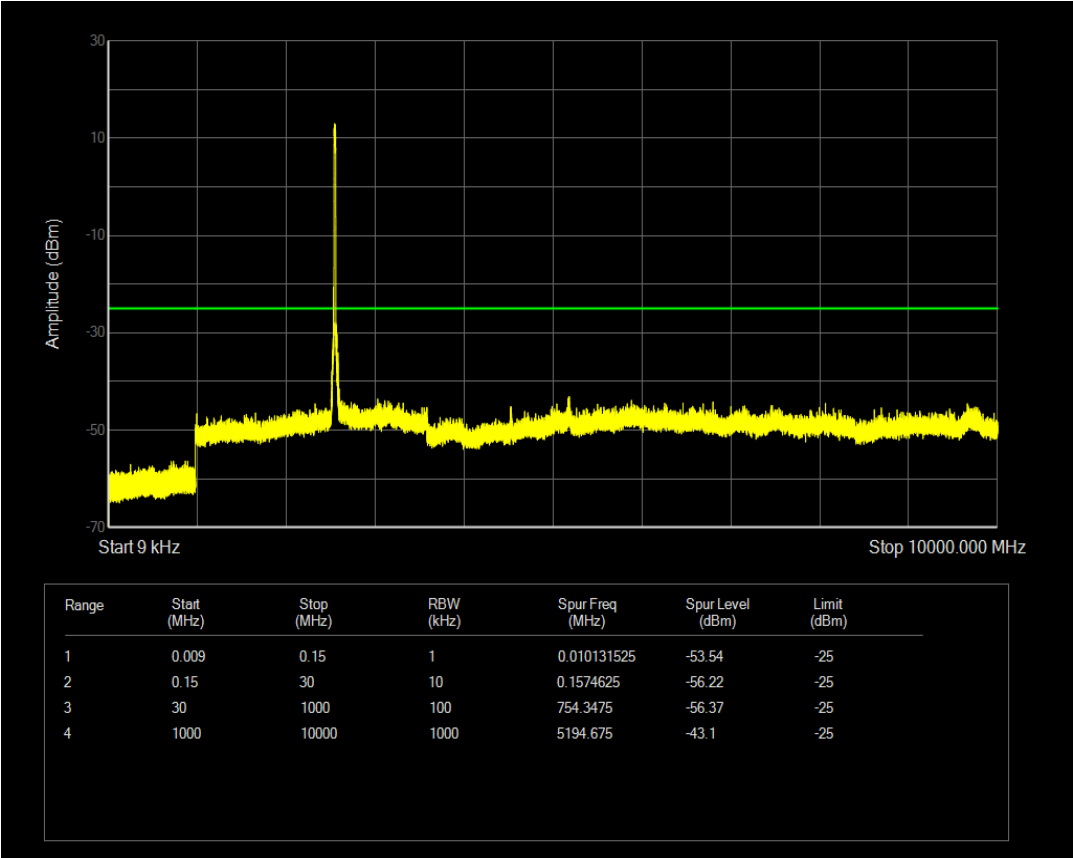
Band41(2555-2655) QAM16 BW=15MHz Channel=41165 RB Size=75 Position=#0



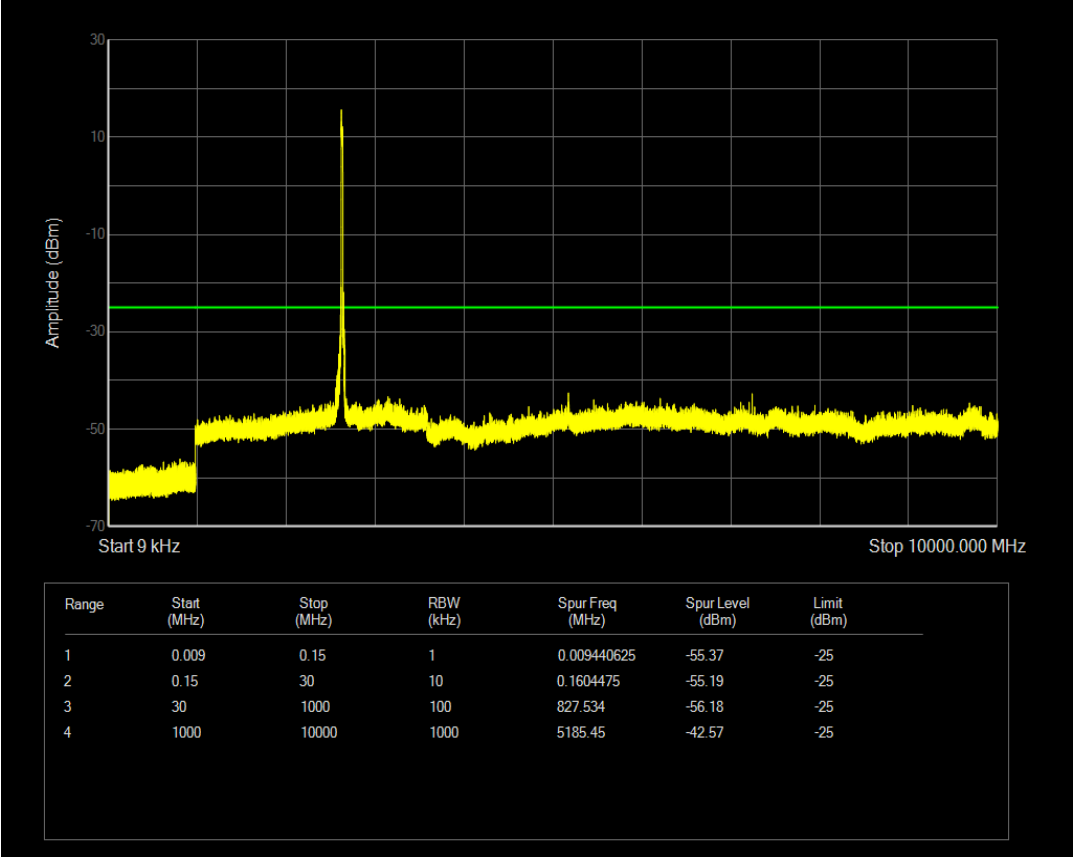
Band41(2555-2655) QPSK BW=20MHz Channel=40340 RB Size=100 Position=#0



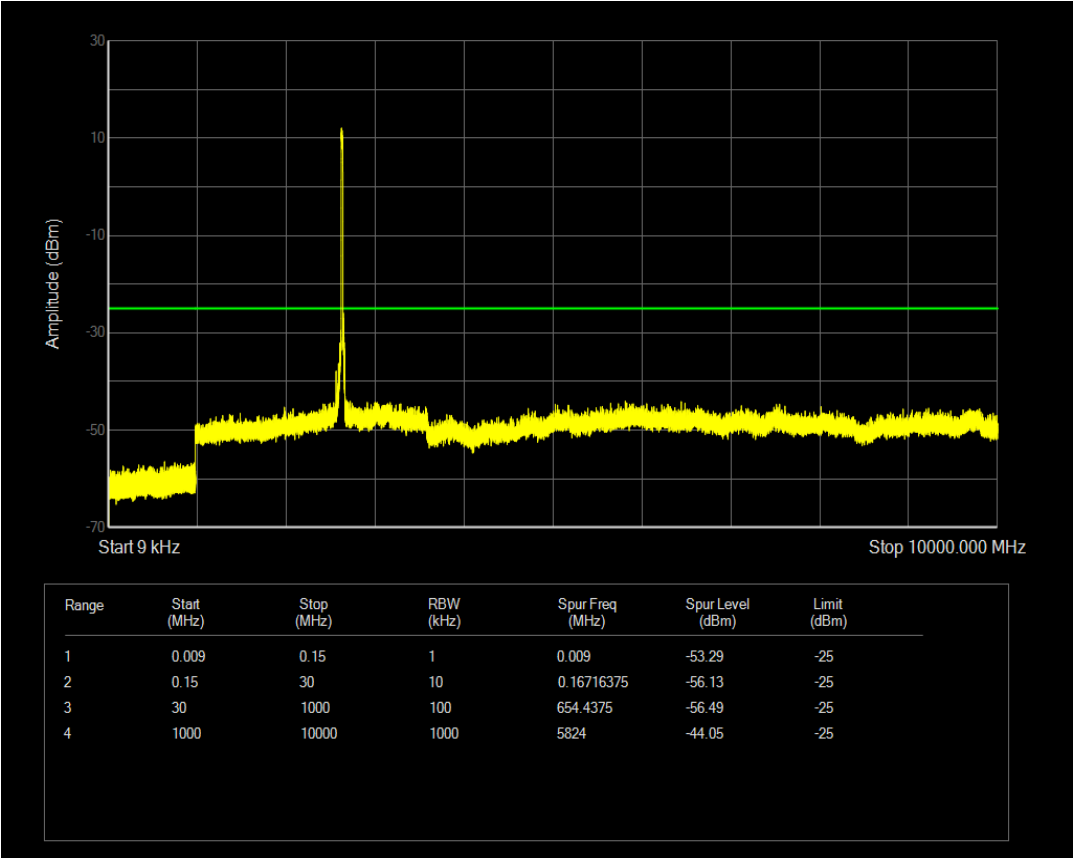
Band41(2555-2655) QAM16 BW=20MHz Channel=40340 RB Size=100 Position=#0



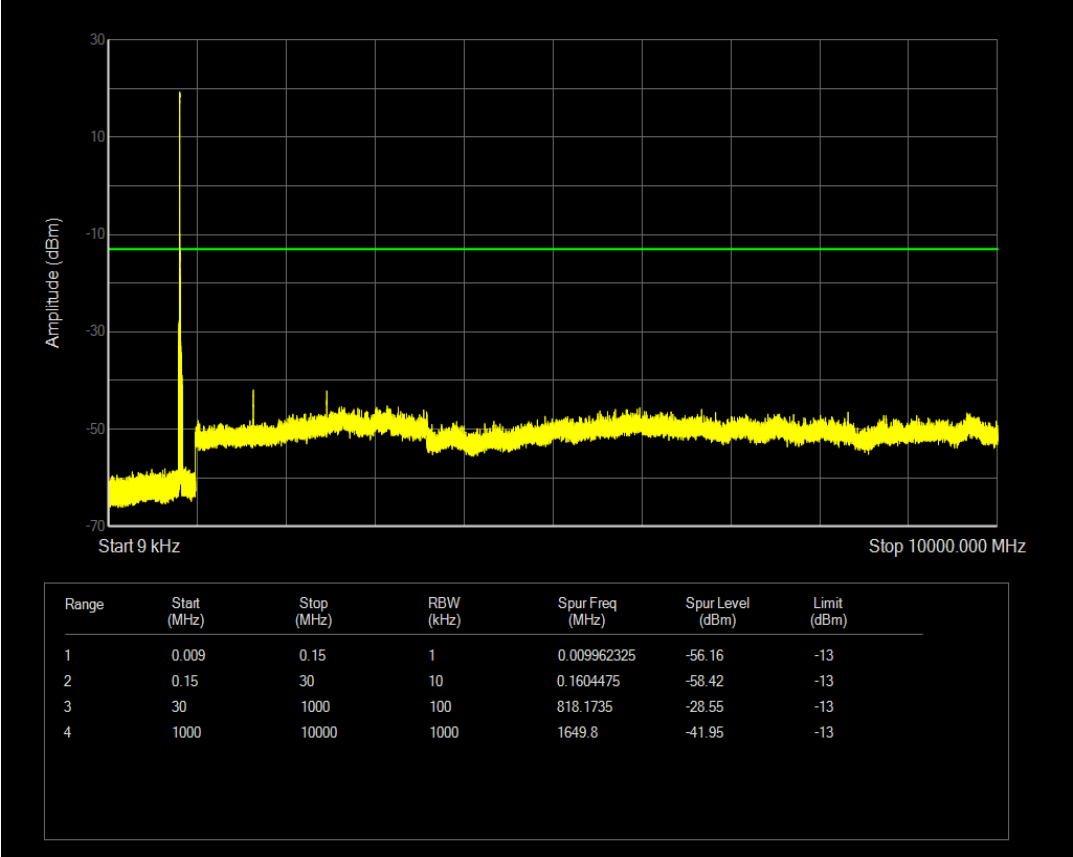
Band41(2555-2655) QPSK BW=20MHz Channel=41140 RB Size=100 Position=#0



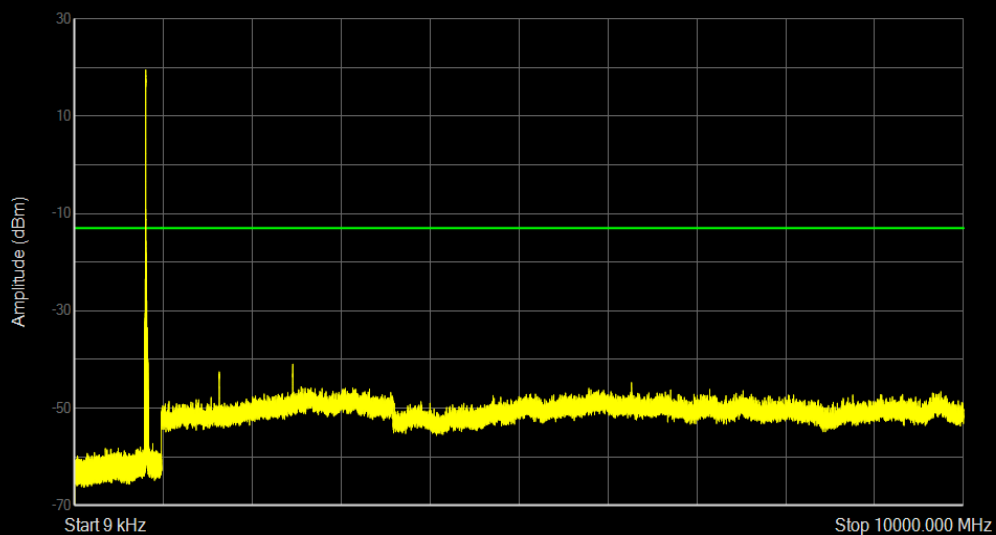
Band41(2555-2655) QAM16 BW=20MHz Channel=41140 RB Size=100 Position=#0



Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0

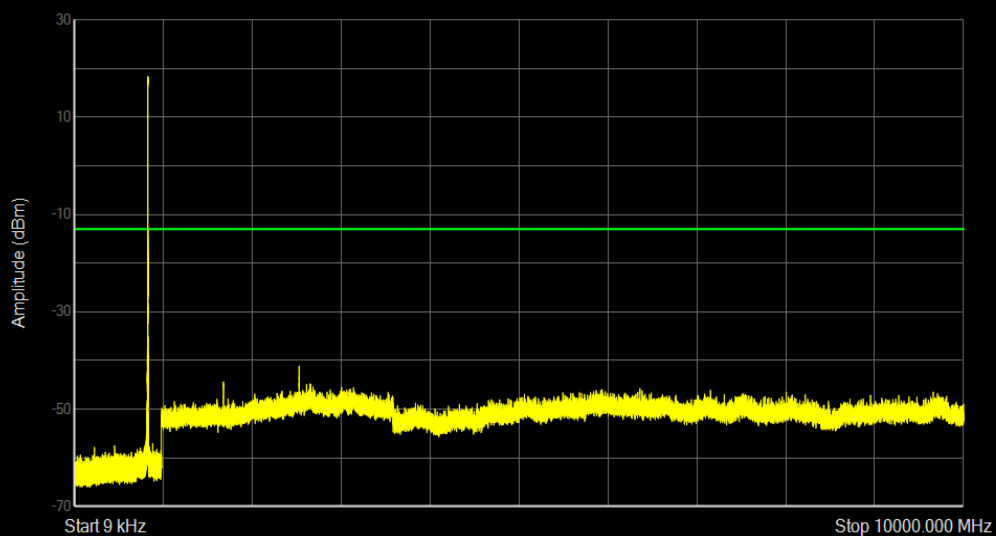


Band5 QAM16 BW=1.4MHz Channel=20407 RB Size=6 Position=#0



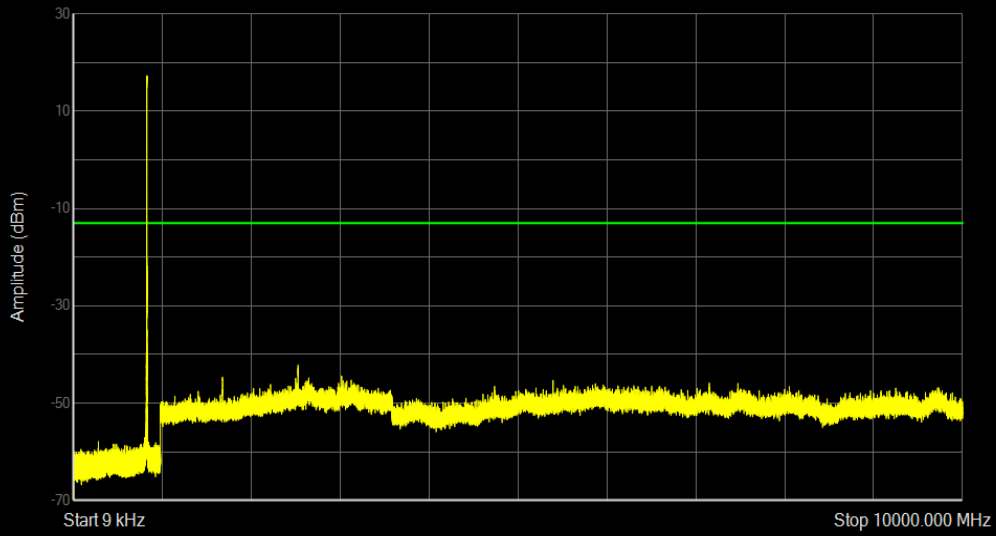
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01196805      | -56.44           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15671625      | -55.55           | -13         |
| 3     | 30          | 1000       | 100       | 817.95525       | -31.49           | -13         |
| 4     | 1000        | 10000      | 1000      | 2474.65         | -40.96           | -13         |

Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



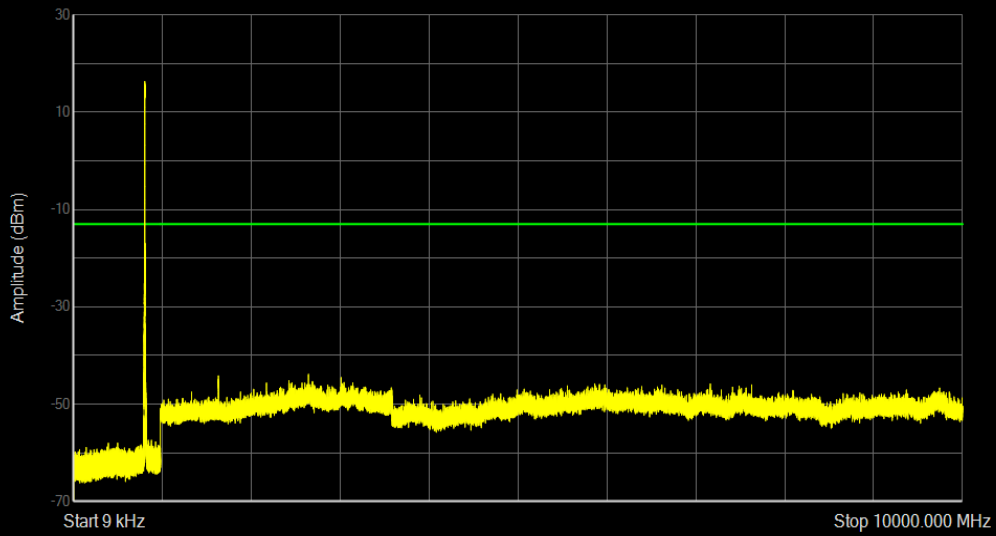
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009           | -54.87           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15074625      | -57.54           | -13         |
| 3     | 30          | 1000       | 100       | 903.2425        | -57.11           | -13         |
| 4     | 1000        | 10000      | 1000      | 2546.2          | -41.15           | -13         |

Band5 QAM16 BW=1.4MHz Channel=20643 RB Size=6 Position=#0



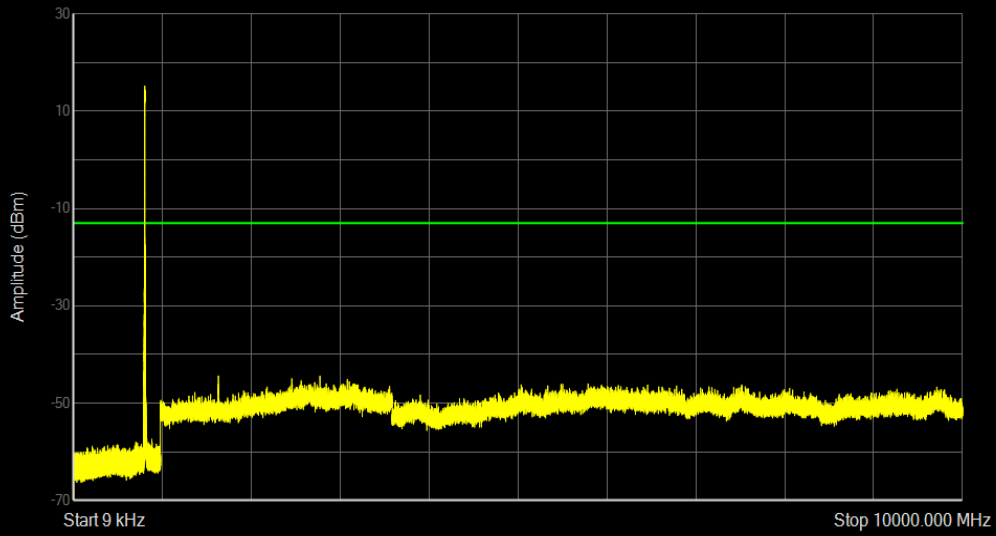
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009363075     | -54.55           | -13         |
| 2     | 0.15        | 30         | 10        | 0.1574625       | -58.18           | -13         |
| 3     | 30          | 1000       | 100       | 305.7225        | -57.89           | -13         |
| 4     | 1000        | 10000      | 1000      | 2544.85         | -42.21           | -13         |

Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



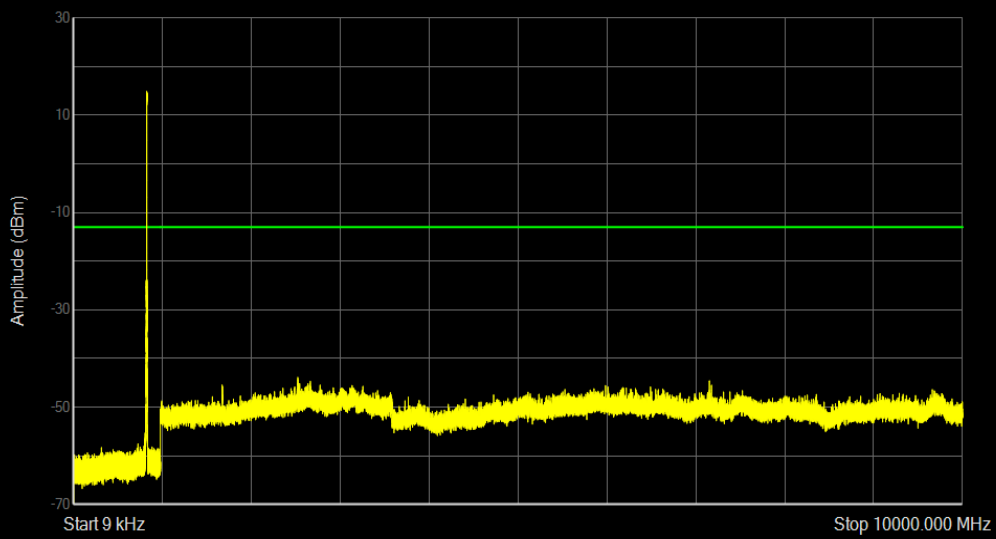
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.00962745      | -56.47           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15597         | -58.19           | -13         |
| 3     | 30          | 1000       | 100       | 865.073         | -57.41           | -13         |
| 4     | 1000        | 10000      | 1000      | 2662.075        | -43.86           | -13         |

Band5 QAM16 BW=3MHz Channel=20415 RB Size=15 Position=#0



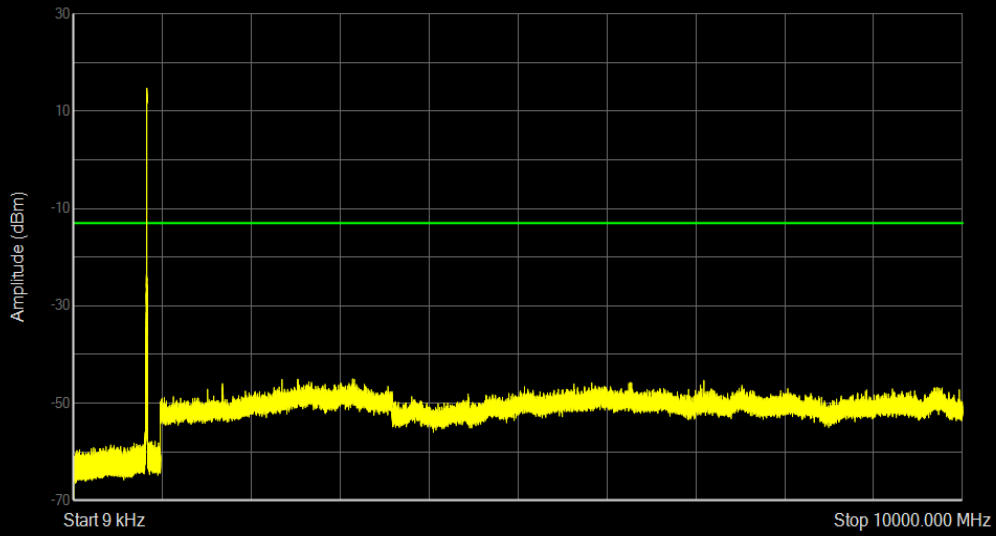
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009           | -55.59           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15597         | -57.89           | -13         |
| 3     | 30          | 1000       | 100       | 905.10975       | -57.41           | -13         |
| 4     | 1000        | 10000      | 1000      | 1651.6          | -44.41           | -13         |

Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



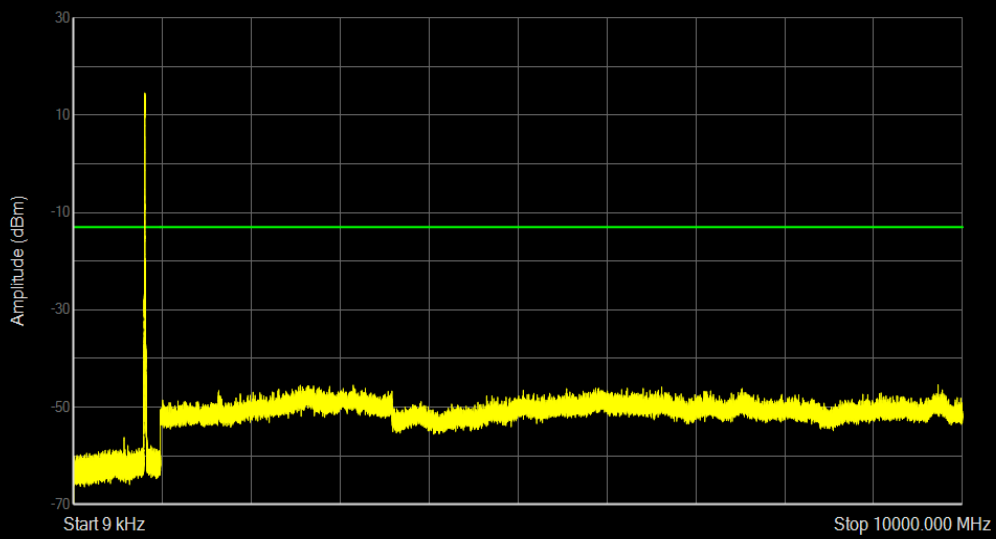
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009341925     | -56.45           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15            | -57.48           | -13         |
| 3     | 30          | 1000       | 100       | 749.546         | -57.56           | -13         |
| 4     | 1000        | 10000      | 1000      | 2542.15         | -43.89           | -13         |

Band5 QAM16 BW=3MHz Channel=20635 RB Size=15 Position=#0



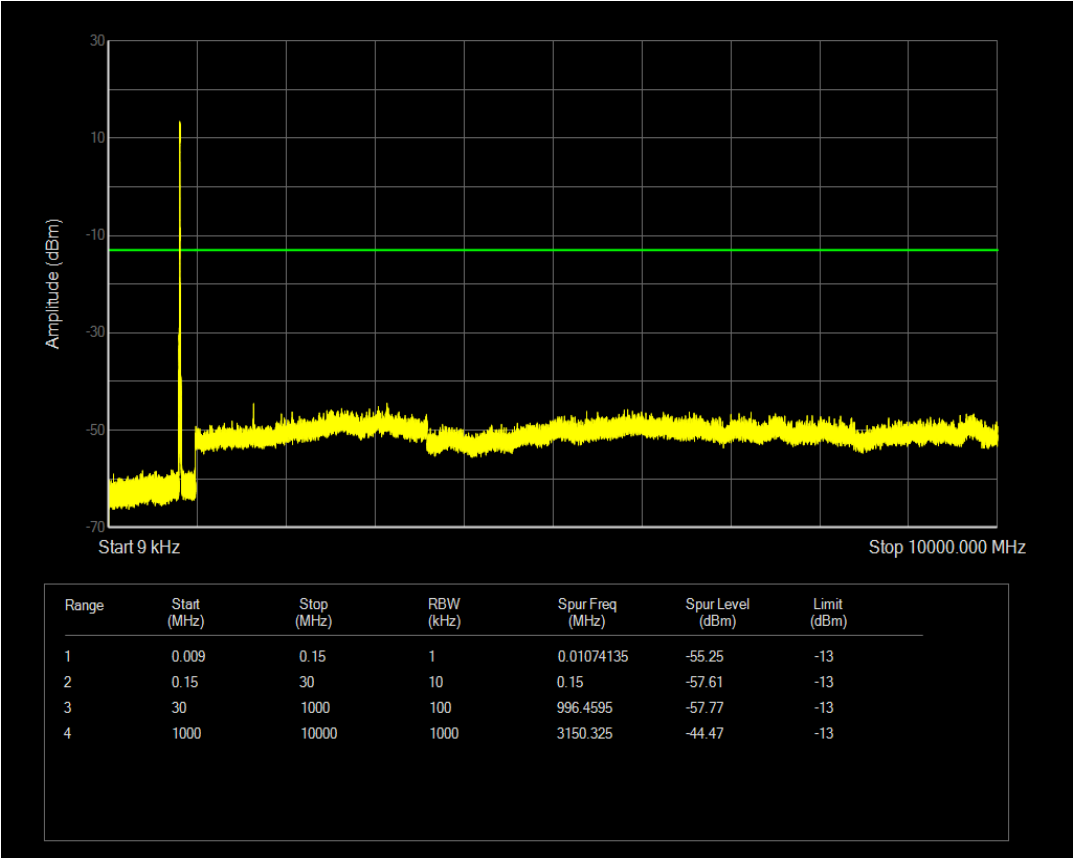
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0092256       | -53.56           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15            | -57.99           | -13         |
| 3     | 30          | 1000       | 100       | 940.99975       | -57.85           | -13         |
| 4     | 1000        | 10000      | 1000      | 3156.625        | -45.03           | -13         |

Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0

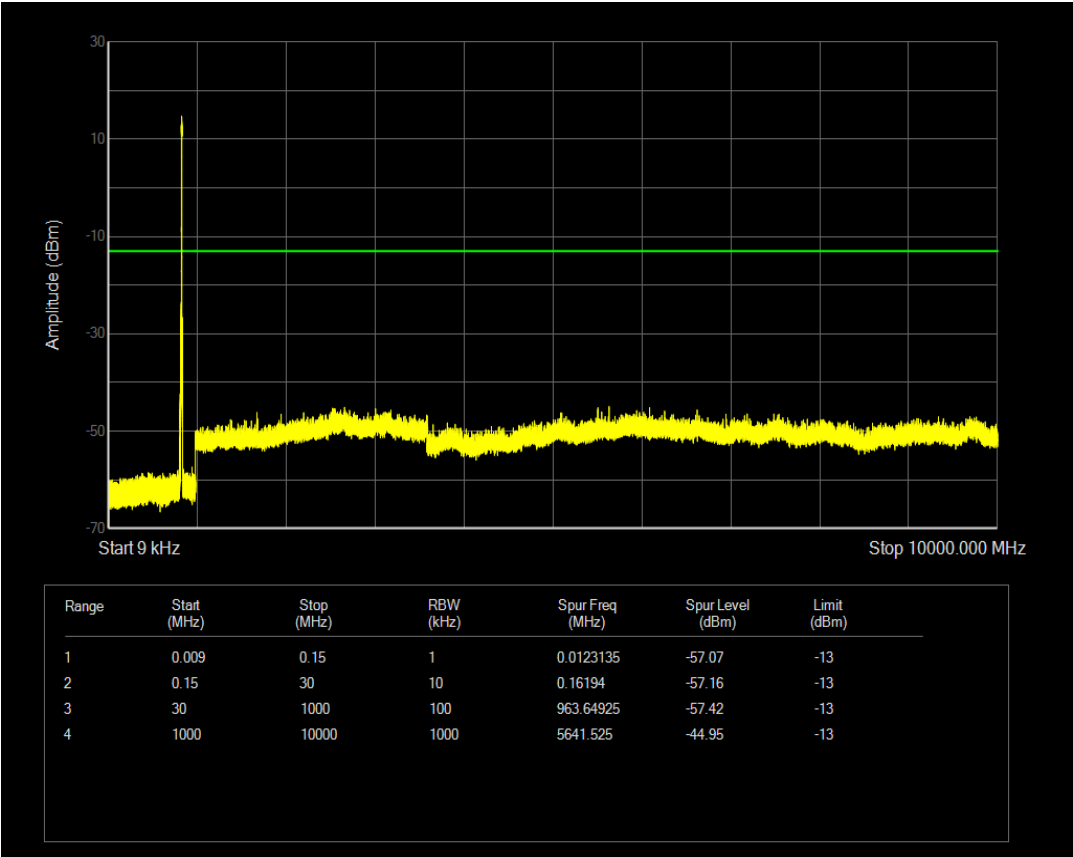


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01051575      | -55.43           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15970125      | -57.86           | -13         |
| 3     | 30          | 1000       | 100       | 593.64275       | -56.25           | -13         |
| 4     | 1000        | 10000      | 1000      | 9725.275        | -45.42           | -13         |

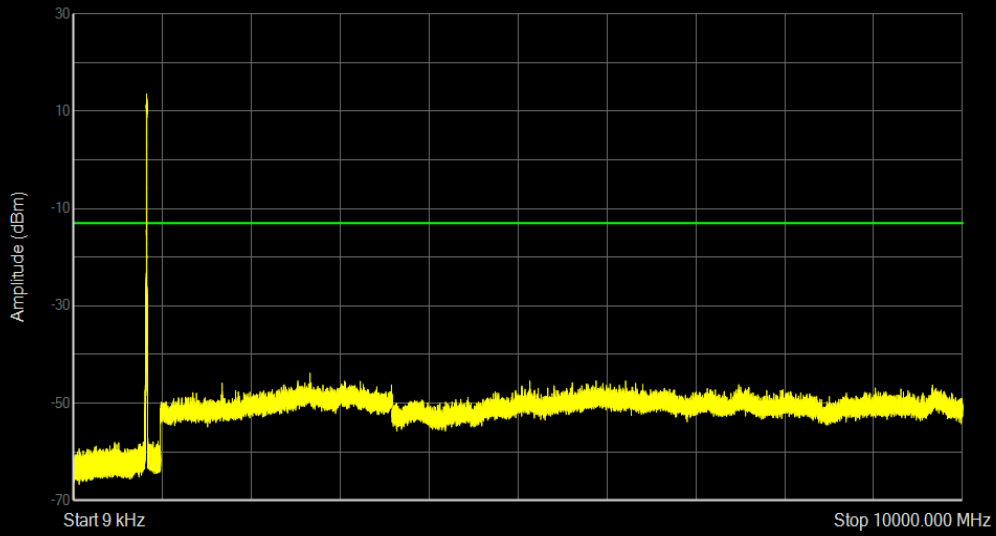
Band5 QAM16 BW=5MHz Channel=20425 RB Size=25 Position=#0



Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0

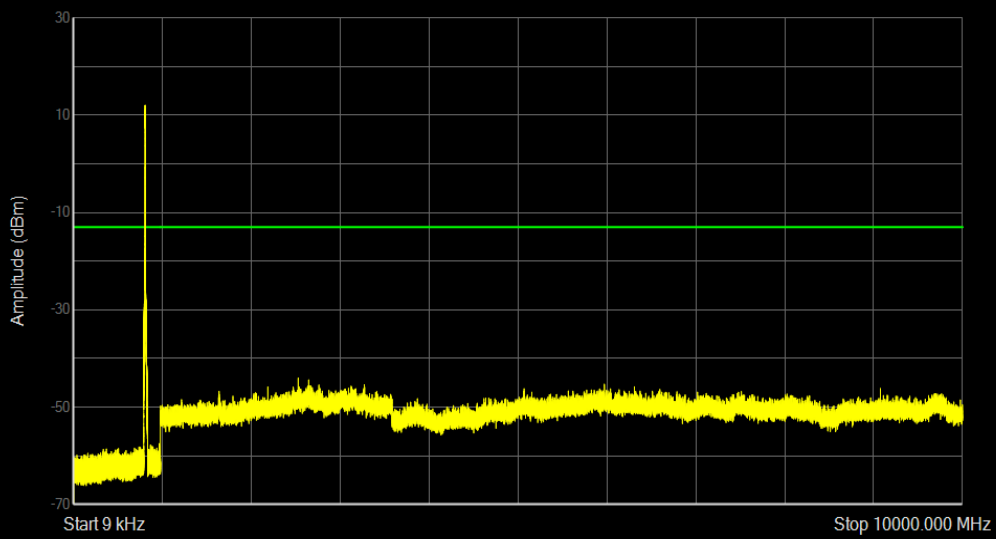


Band5 QAM16 BW=5MHz Channel=20625 RB Size=25 Position=#0



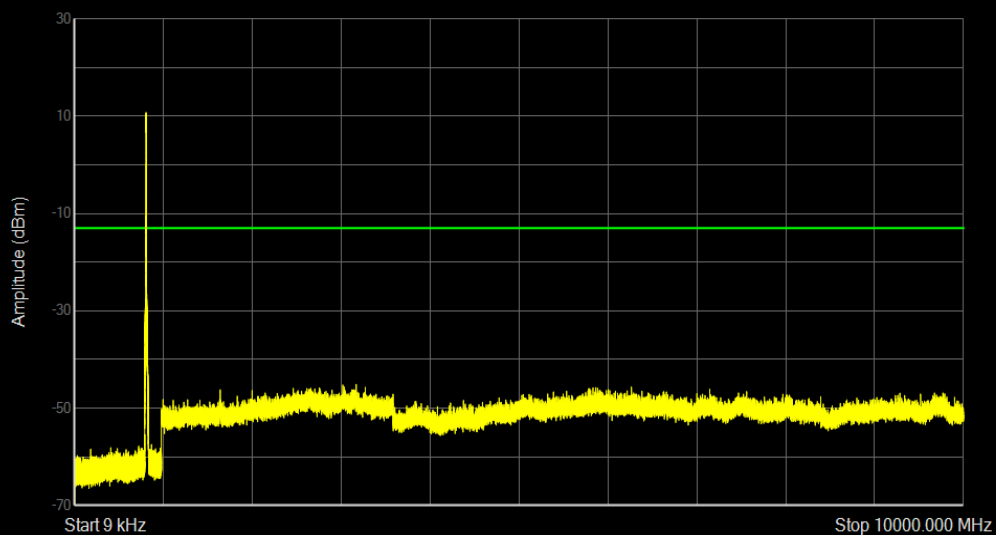
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.00914805      | -55.13           | -13         |
| 2     | 0.15        | 30         | 10        | 0.17462625      | -58.71           | -13         |
| 3     | 30          | 1000       | 100       | 974.78          | -57.84           | -13         |
| 4     | 1000        | 10000      | 1000      | 2678.725        | -43.84           | -13         |

Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



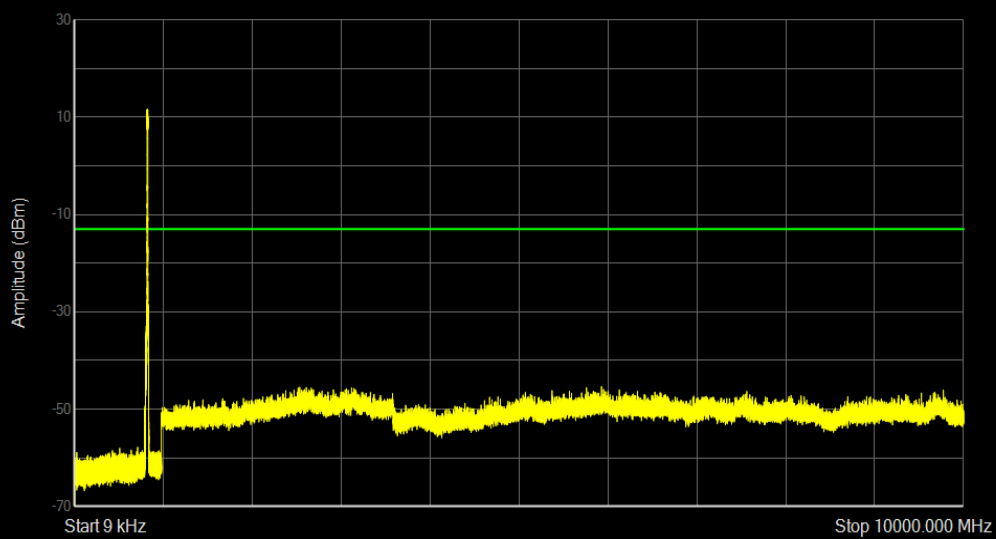
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009447675     | -55.17           | -13         |
| 2     | 0.15        | 30         | 10        | 0.1544775       | -56.31           | -13         |
| 3     | 30          | 1000       | 100       | 988.04475       | -57.5            | -13         |
| 4     | 1000        | 10000      | 1000      | 2547.325        | -44              | -13         |

Band5 QAM16 BW=10MHz Channel=20450 RB Size=50 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009370125     | -56.51           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15970125      | -58.62           | -13         |
| 3     | 30          | 1000       | 100       | 889.7595        | -57.49           | -13         |
| 4     | 1000        | 10000      | 1000      | 3185.65         | -45.11           | -13         |

Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0096768       | -55.26           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15223875      | -57.54           | -13         |
| 3     | 30          | 1000       | 100       | 734.38975       | -57.86           | -13         |
| 4     | 1000        | 10000      | 1000      | 5938.3          | -45.34           | -13         |

Band5 QAM16 BW=10MHz Channel=20600 RB Size=50 Position=#0