| | | | | | | |
|---|---|---|---|---|---|---|
| Band4 | 20MHz | QPSK | 20050 | 1RB#0 | -43.61,-40.92 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#99 | -39.31,-60.14 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 100RB#0 | -34.86,-38.01 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#0 | -60.16,-35.70 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#99 | -41.11,-43.73 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 100RB#0 | -37.51,-34.70 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | -43.92,-40.08 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#99 | -41.88,-59.87 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | -34.71,-38.43 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | -61.42,-38.44 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#99 | -39.36,-44.16 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | -38.50,-35.07 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 1RB#0 | -50.59,-24.82 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 1RB#5 | -52.10,-41.39 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 6RB#0 | -46.18,-32.62 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 1RB#0 | -40.09,-52.25 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 1RB#5 | -27.06,-49.92 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 6RB#0 | -32.93,-47.61 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 1RB#0 | -51.11,-28.00 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 1RB#5 | -52.60,-40.77 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | -45.55,-34.00 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#0 | -40.80,-52.22 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#5 | -28.26,-50.22 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | -34.55,-46.10 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 1RB#0 | -52.04,-31.93 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 1RB#49 | -48.86,-57.50 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | -41.90,-33.94 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 1RB#0 | -57.14,-41.51 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 1RB#49 | -31.49,-52.13 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 50RB#0 | -34.14,-42.06 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0 | -52.76,-35.10 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#49 | -50.13,-56.40 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | -44.17,-36.54 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0 | -58.74,-43.73 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#49 | -32.79,-52.35 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | -36.60,-44.28 | PASS |
| Band7 | 5MHz | QPSK | 20775 | 1RB#0 | -48.15,-43.74,-39.42,-30.38 | PASS |
| Band7 | 5MHz | QPSK | 20775 | 1RB#24 | -50.14,-29.52,-29.54,-55.03 | PASS |
| Band7 | 5MHz | QPSK | 20775 | 25RB#0 | -41.95,-39.61,-33.03,-37.28 | PASS |
| Band7 | 5MHz | QPSK | 21425 | 1RB#0 | -54.92,-29.54,-48.13,-50.30 | PASS |
| Band7 | 5MHz | QPSK | 21425 | 1RB#24 | -28.71,-39.61,-48.34,-48.92 | PASS |
| Band7 | 5MHz | QPSK | 21425 | 25RB#0 | -37.22,-33.37,-40.95,-42.23 | PASS |

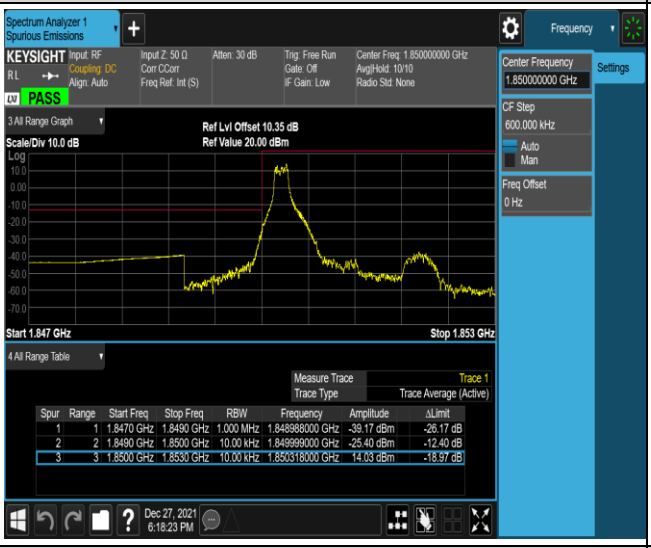
| | | | | | | |
|---|---|---|---|---|---|---|
| Band7 | 5MHz | 16QAM | 20775 | 1RB#0 | -48.78,-44.28,-40.00,-32.08 | PASS |
| Band7 | 5MHz | 16QAM | 20775 | 1RB#24 | -50.31,-31.73,-31.65,-55.57 | PASS |
| Band7 | 5MHz | 16QAM | 20775 | 25RB#0 | -42.39,-38.87,-31.95,-37.27 | PASS |
| Band7 | 5MHz | 16QAM | 21425 | 1RB#0 | -55.87,-31.75,-48.29,-50.32 | PASS |
| Band7 | 5MHz | 16QAM | 21425 | 1RB#24 | -30.34,-40.02,-48.38,-49.20 | PASS |
| Band7 | 5MHz | 16QAM | 21425 | 25RB#0 | -37.56,-33.28,-40.46,-42.26 | PASS |
| Band7 | 20MHz | QPSK | 20850 | 1RB#0 | -49.50,-47.23,-44.16,-40.62 | PASS |
| Band7 | 20MHz | QPSK | 20850 | 1RB#99 | -43.80,-47.60,-46.67,-60.52 | PASS |
| Band7 | 20MHz | QPSK | 20850 | 100RB#0 | -42.80,-39.00,-37.55,-40.95 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 1RB#0 | -60.36,-46.20,-35.05,-51.39 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 1RB#99 | -39.60,-43.91,-47.63,-51.40 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 100RB#0 | -39.94,-37.08,-38.63,-47.99 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#0 | -49.73,-47.33,-44.39,-41.22 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#99 | -45.43,-47.92,-46.64,-61.02 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | -43.28,-39.06,-37.66,-41.34 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#0 | -59.90,-46.20,-38.23,-51.43 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#99 | -38.19,-44.25,-47.59,-51.45 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | -41.44,-38.19,-39.76,-48.72 | PASS |
| Band38 | 5MHz | QPSK | 37775 | 1RB#0 | -49.59,-49.29,-43.43,-33.18 | PASS |
| Band38 | 5MHz | QPSK | 37775 | 1RB#24 | -50.66,-49.24,-32.90,-59.43 | PASS |
| Band38 | 5MHz | QPSK | 37775 | 25RB#0 | -44.82,-44.97,-36.89,-41.76 | PASS |
| Band38 | 5MHz | QPSK | 38225 | 1RB#0 | -59.81,-32.96,-49.37,-50.76 | PASS |
| Band38 | 5MHz | QPSK | 38225 | 1RB#24 | -33.43,-44.09,-49.28,-50.08 | PASS |
| Band38 | 5MHz | QPSK | 38225 | 25RB#0 | -41.62,-36.92,-44.55,-45.26 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 1RB#0 | -49.79,-49.42,-43.98,-28.34 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 1RB#24 | -50.77,-49.32,-34.87,-53.79 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 25RB#0 | -45.42,-43.87,-37.64,-43.08 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 1RB#0 | -58.31,-34.73,-49.57,-50.79 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 1RB#24 | -29.72,-44.24,-49.35,-50.16 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 25RB#0 | -42.10,-37.69,-44.44,-45.79 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 1RB#0 | -51.66,-49.53,-48.57,-44.52 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 1RB#99 | -51.66,-43.33,-49.22,-62.68 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 100RB#0 | -50.11,-46.48,-45.78,-50.38 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 1RB#0 | -61.92,-48.75,-42.71,-51.23 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 1RB#99 | -43.35,-48.29,-49.33,-51.25 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 100RB#0 | -50.03,-45.48,-46.11,-49.38 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#0 | -51.66,-49.65,-48.65,-39.09 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#99 | -51.65,-44.71,-49.26,-63.42 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | -49.83,-46.63,-45.96,-50.68 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#0 | -61.61,-48.84,-44.08,-51.34 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#99 | -43.66,-48.41,-49.52,-51.42 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | -50.58,-45.96,-46.58,-49.50 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| Band41 | 5MHz | QPSK | 40065 | 1RB#0 | -49.77,-49.60,-43.83,-27.92 | PASS |
| Band41 | 5MHz | QPSK | 40065 | 1RB#24 | -50.91,-49.24,-31.43,-58.16 | PASS |
| Band41 | 5MHz | QPSK | 40065 | 25RB#0 | -44.93,-44.55,-35.53,-39.13 | PASS |
| Band41 | 5MHz | QPSK | 41215 | 1RB#0 | -60.23,-32.58,-49.33,-50.60 | PASS |
| Band41 | 5MHz | QPSK | 41215 | 1RB#24 | -28.39,-43.51,-49.41,-49.97 | PASS |
| Band41 | 5MHz | QPSK | 41215 | 25RB#0 | -40.27,-35.13,-44.92,-45.62 | PASS |
| Band41 | 5MHz | 16QAM | 40065 | 1RB#0 | -50.12,-49.68,-44.59,-27.53 | PASS |
| Band41 | 5MHz | 16QAM | 40065 | 1RB#24 | -50.93,-49.39,-35.07,-57.33 | PASS |
| Band41 | 5MHz | 16QAM | 40065 | 25RB#0 | -45.66,-44.35,-36.34,-41.52 | PASS |
| Band41 | 5MHz | 16QAM | 41215 | 1RB#0 | -66.42,-36.87,-49.48,-50.56 | PASS |
| Band41 | 5MHz | 16QAM | 41215 | 1RB#24 | -29.37,-43.96,-49.48,-50.12 | PASS |
| Band41 | 5MHz | 16QAM | 41215 | 25RB#0 | -42.03,-39.10,-48.89,-48.94 | PASS |
| Band41 | 20MHz | QPSK | 40140 | 1RB#0 | -51.65,-49.55,-48.51,-42.11 | PASS |
| Band41 | 20MHz | QPSK | 40140 | 1RB#99 | -51.61,-44.73,-49.26,-60.70 | PASS |
| Band41 | 20MHz | QPSK | 40140 | 100RB#0 | -51.00,-45.73,-44.85,-49.53 | PASS |
| Band41 | 20MHz | QPSK | 41140 | 1RB#0 | -61.66,-49.19,-43.43,-51.56 | PASS |
| Band41 | 20MHz | QPSK | 41140 | 1RB#99 | -44.37,-48.55,-49.57,-51.59 | PASS |
| Band41 | 20MHz | QPSK | 41140 | 100RB#0 | -49.96,-45.39,-46.22,-50.07 | PASS |
| Band41 | 20MHz | 16QAM | 40140 | 1RB#0 | -51.67,-49.71,-48.62,-43.84 | PASS |
| Band41 | 20MHz | 16QAM | 40140 | 1RB#99 | -51.62,-46.02,-49.29,-63.05 | PASS |
| Band41 | 20MHz | 16QAM | 40140 | 100RB#0 | -50.96,-46.03,-45.23,-49.98 | PASS |
| Band41 | 20MHz | 16QAM | 41140 | 1RB#0 | -63.46,-49.21,-44.83,-51.56 | PASS |
| Band41 | 20MHz | 16QAM | 41140 | 1RB#99 | -43.55,-48.66,-49.74,-51.60 | PASS |
| Band41 | 20MHz | 16QAM | 41140 | 100RB#0 | -50.58,-45.86,-46.70,-49.92 | PASS |

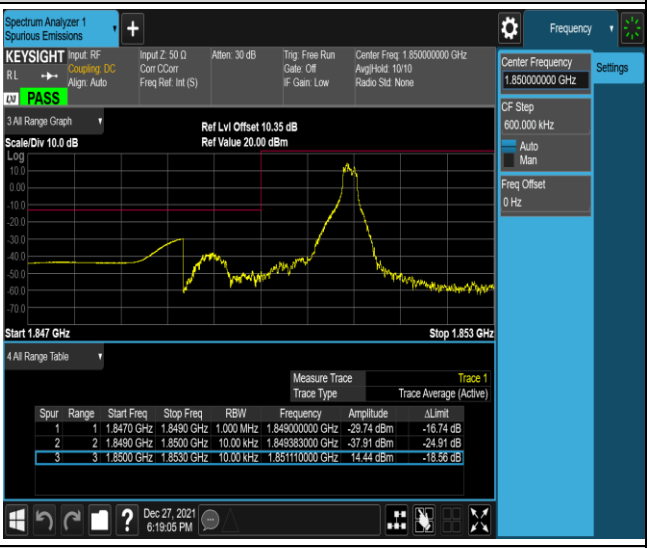
*Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.*

## Test Graphs

Band2-1.4MHz-QPSK-18607-1RB#0



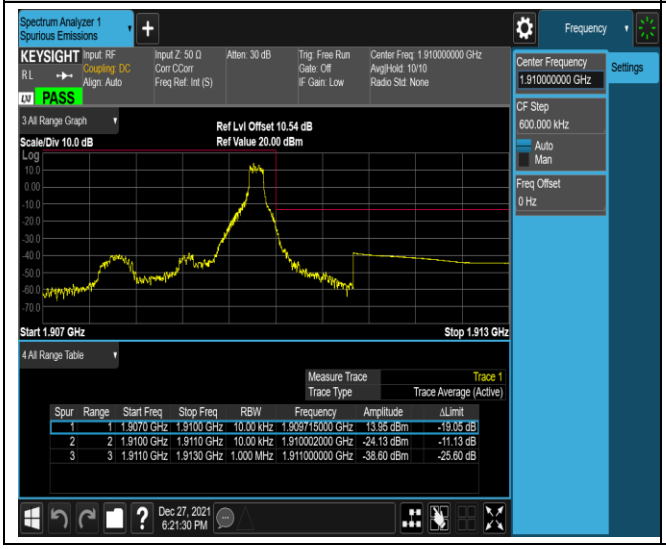

Band2-1.4MHz-QPSK-18607-1RB#5




Band2-1.4MHz-QPSK-18607-6RB#0

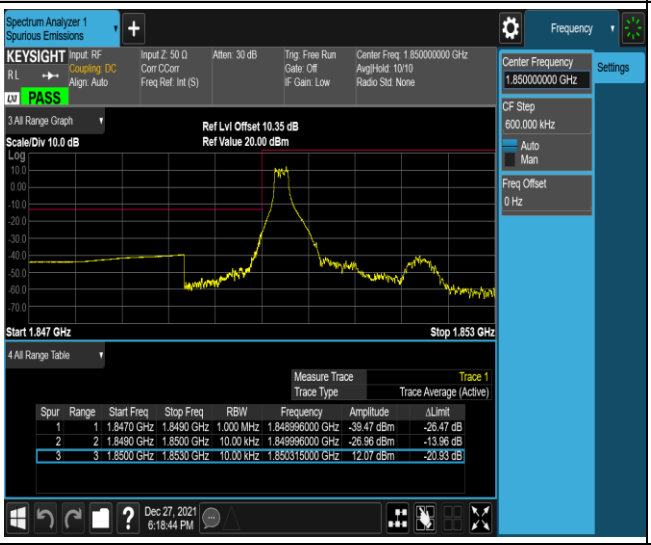
Band2-1.4MHz-QPSK-19193-1RB#0

Band2-1.4MHz-QPSK-19193-1RB#5

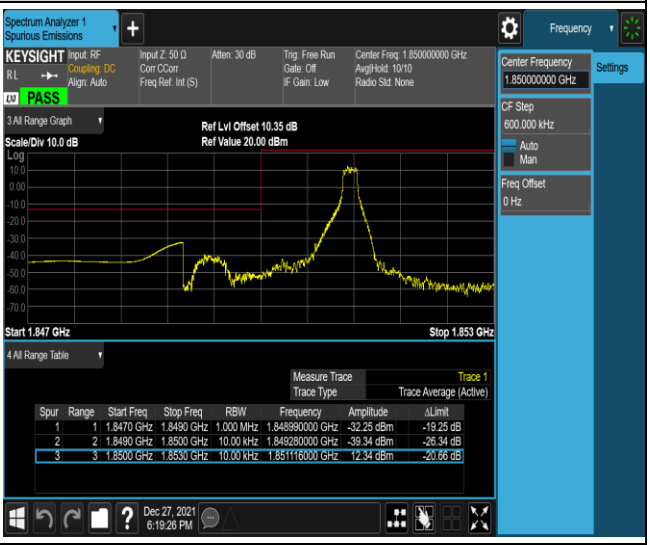



Band2-1.4MHz-QPSK-19193-6RB#0

Band2-1.4MHz-16QAM-18607-1RB#0




Band2-1.4MHz-16QAM-18607-1RB#5

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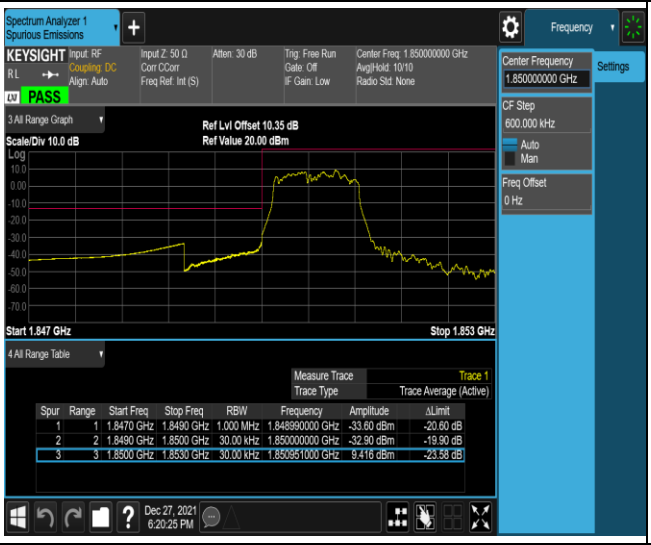
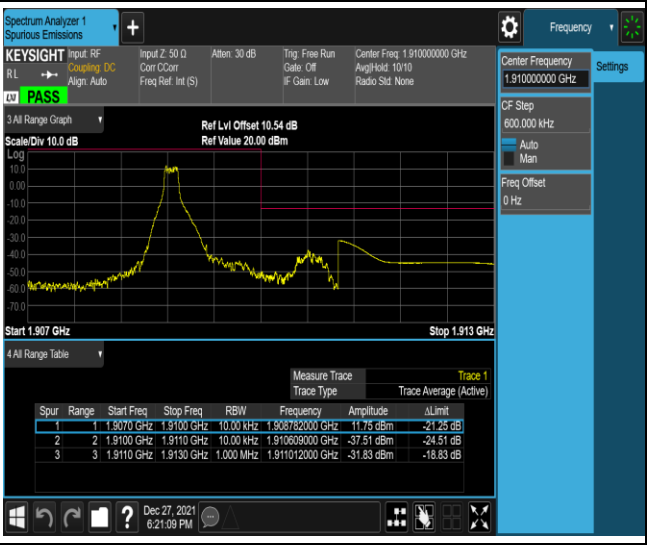



Band2-1.4MHz-16QAM-19193-1RB#0

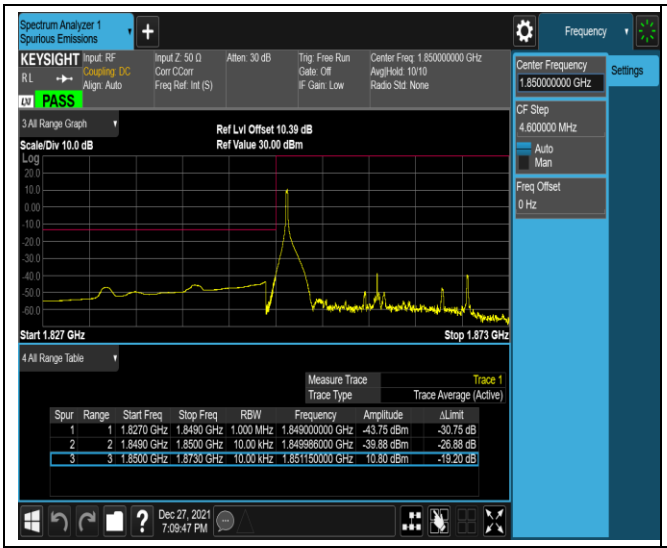



Band2-1.4MHz-16QAM-19193-1RB#5

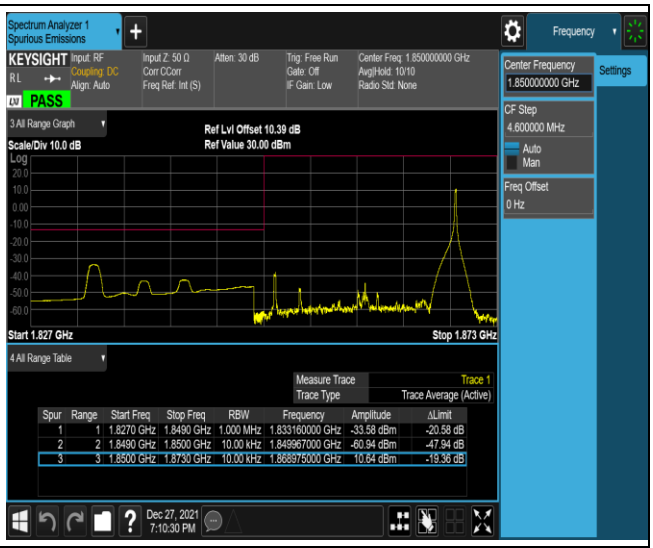
Band2-1.4MHz-16QAM-19193-6RB#0

Band2-20MHz-QPSK-18700-1RB#0

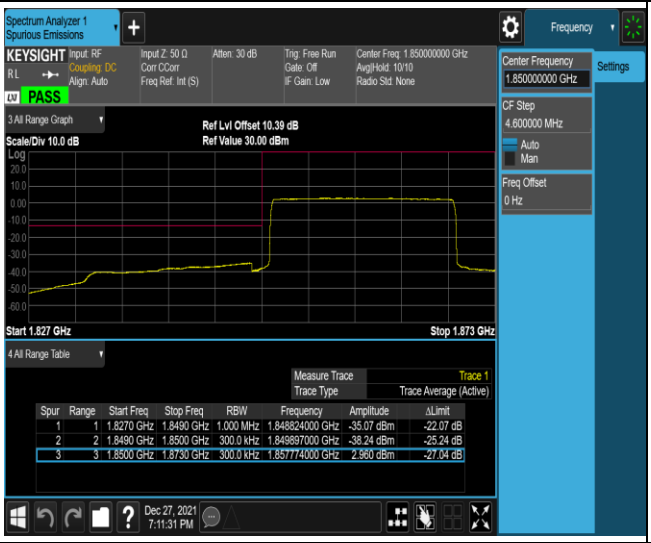
Band2-20MHz-QPSK-18700-1RB#99



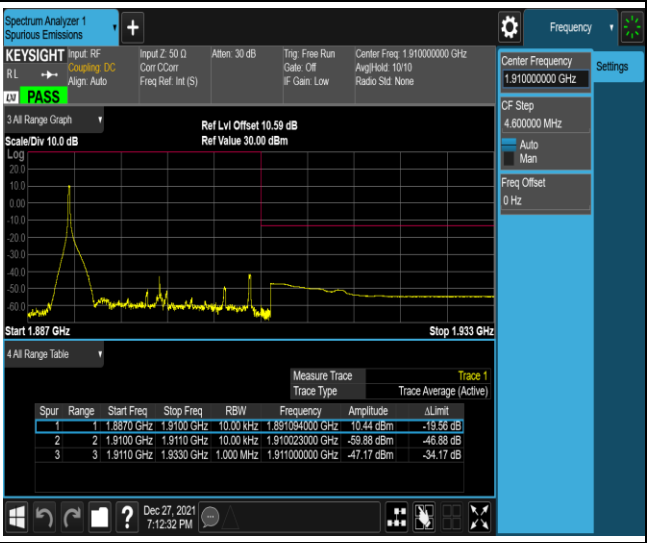

Band2-20MHz-QPSK-18700-100RB#0



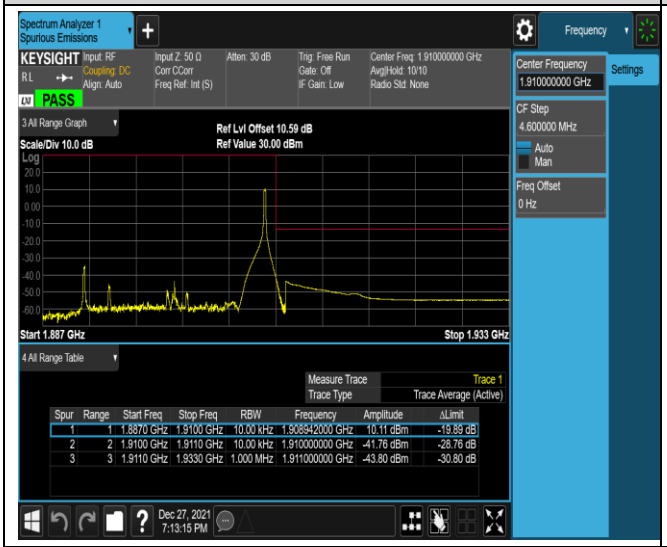

Band2-20MHz-QPSK-19100-1RB#0




Band2-20MHz-QPSK-19100-1RB#99

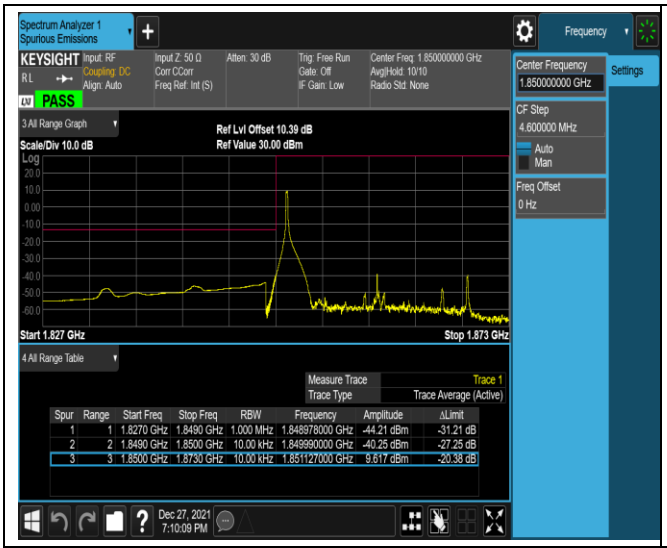



Band2-20MHz-QPSK-19100-100RB#0

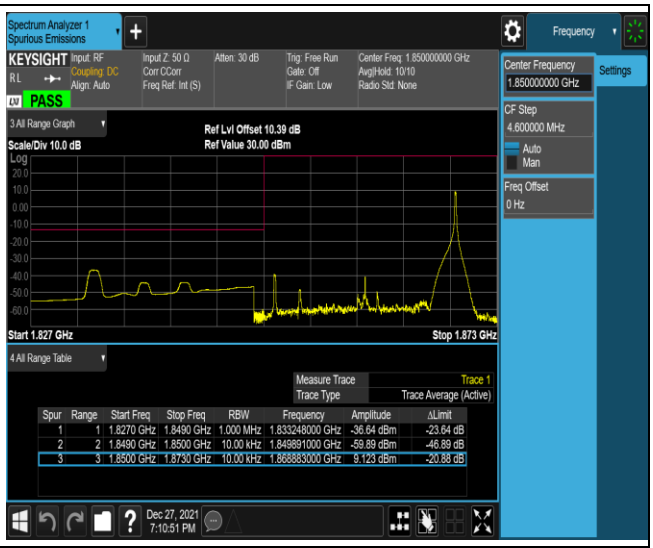



Band2-20MHz-16QAM-18700-1RB#0

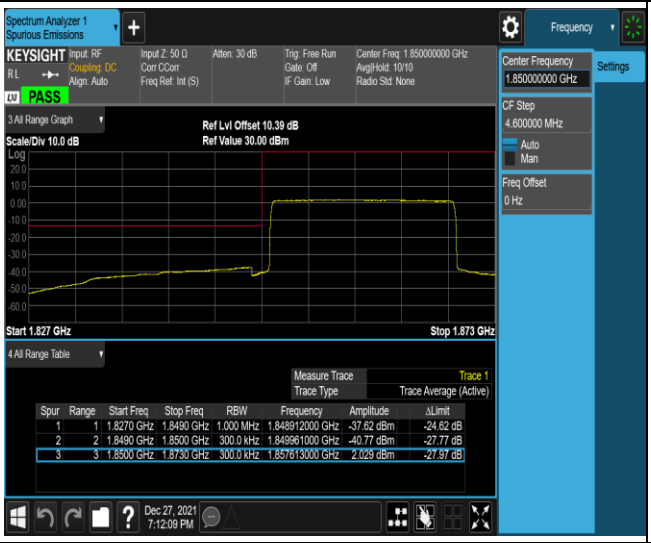
Band2-20MHz-16QAM-18700-1RB#99



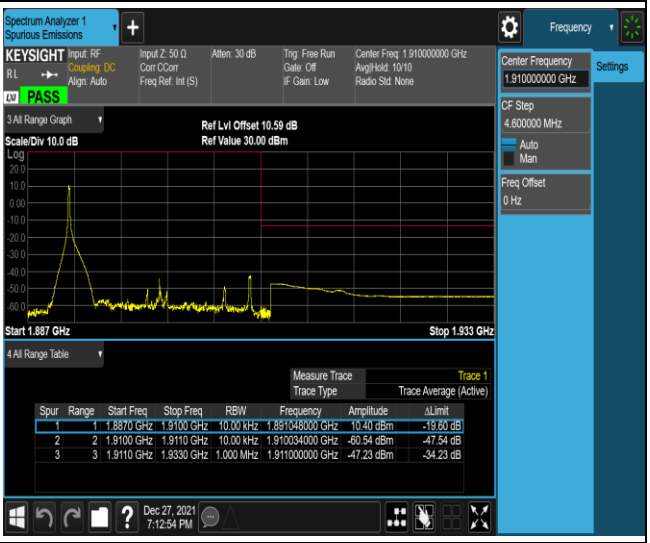

Band2-20MHz-16QAM-18700-100RB#0



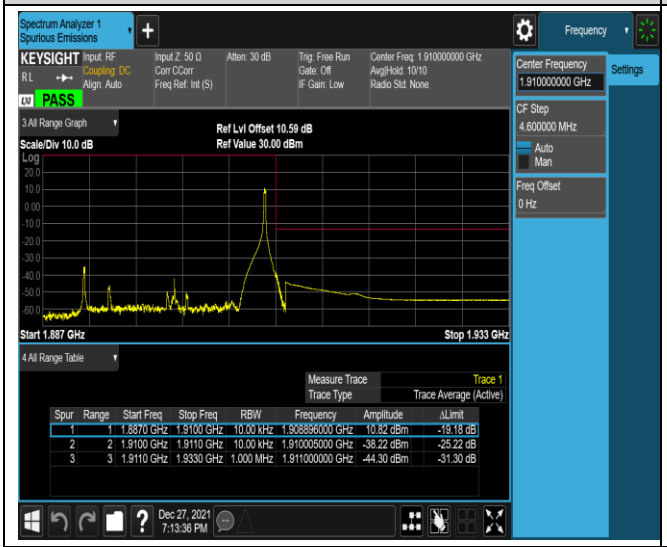

Band2-20MHz-16QAM-19100-1RB#0




Band2-20MHz-16QAM-19100-1RB#99

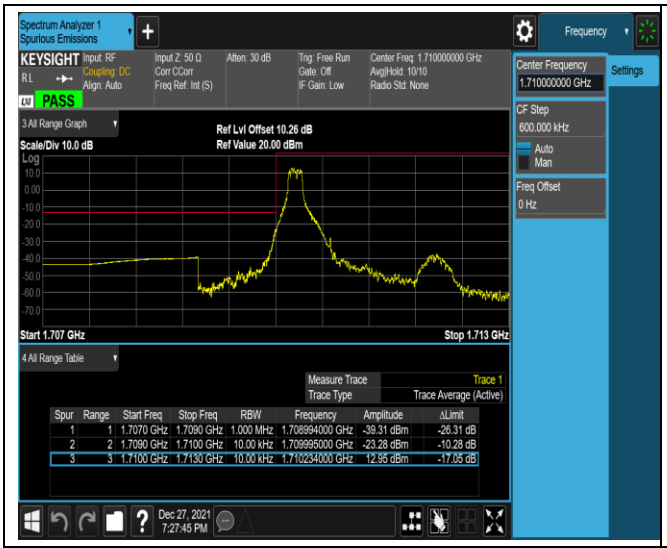



Band2-20MHz-16QAM-19100-100RB#0

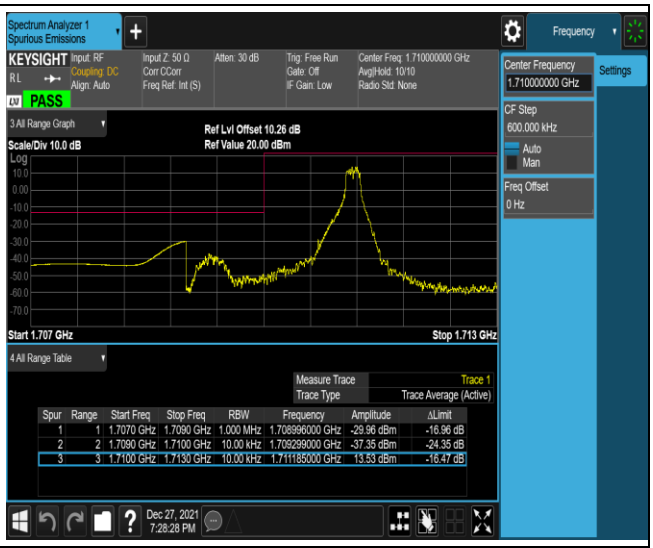



Band4-1.4MHz-QPSK-19957-1RB#0

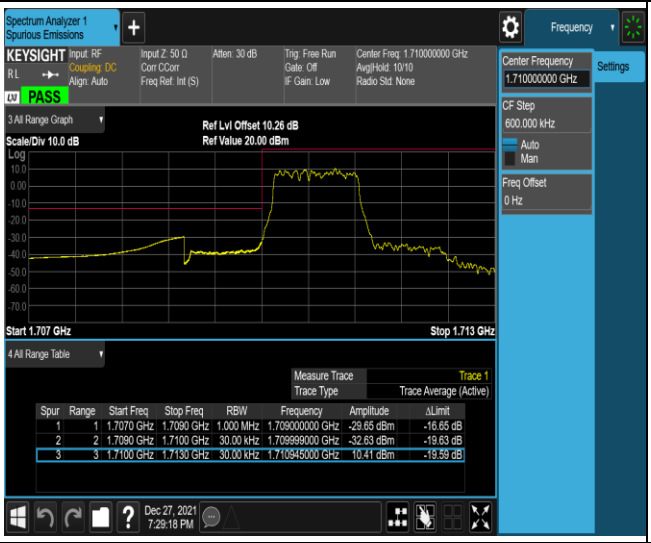
Band4-1.4MHz-QPSK-19957-1RB#5



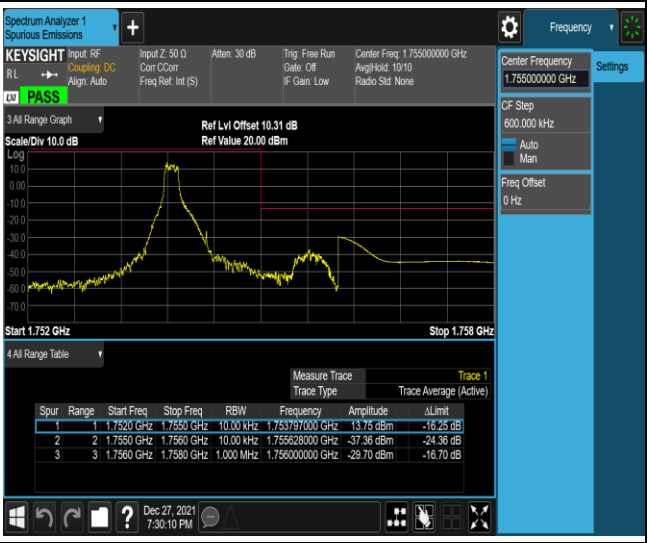

Band4-1.4MHz-QPSK-19957-6RB#0



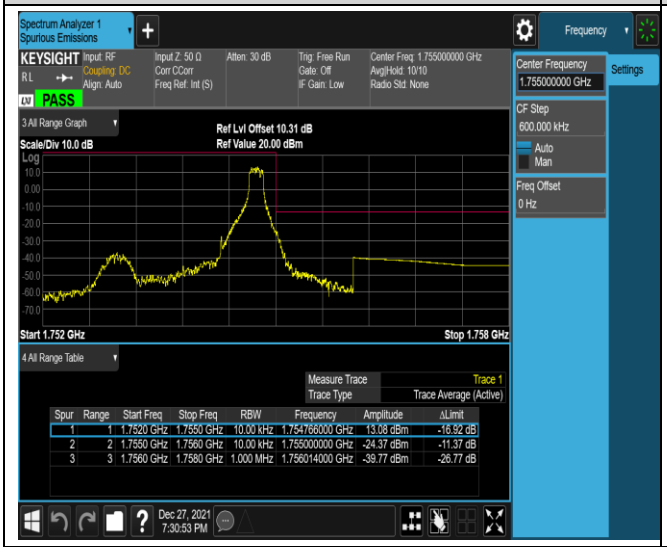

Band4-1.4MHz-QPSK-20393-1RB#0




Band4-1.4MHz-QPSK-20393-1RB#5

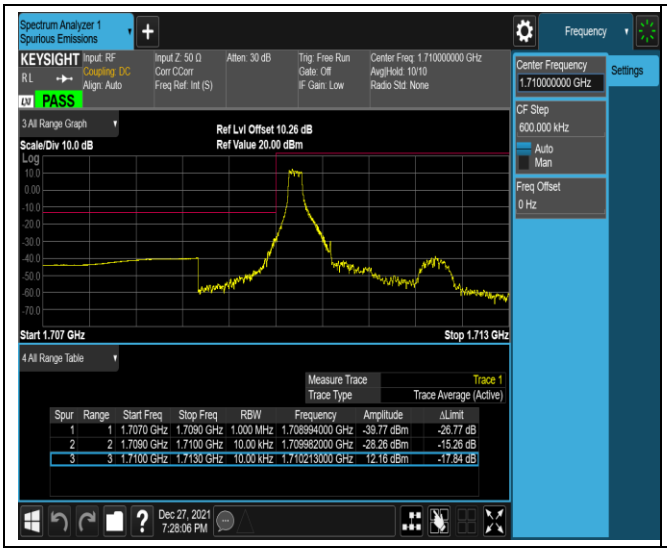



Band4-1.4MHz-QPSK-20393-6RB#0

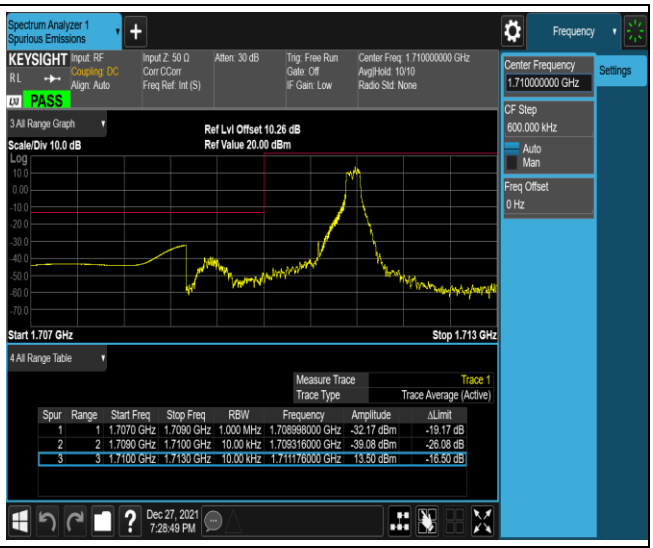



Band4-1.4MHz-16QAM-19957-1RB#0

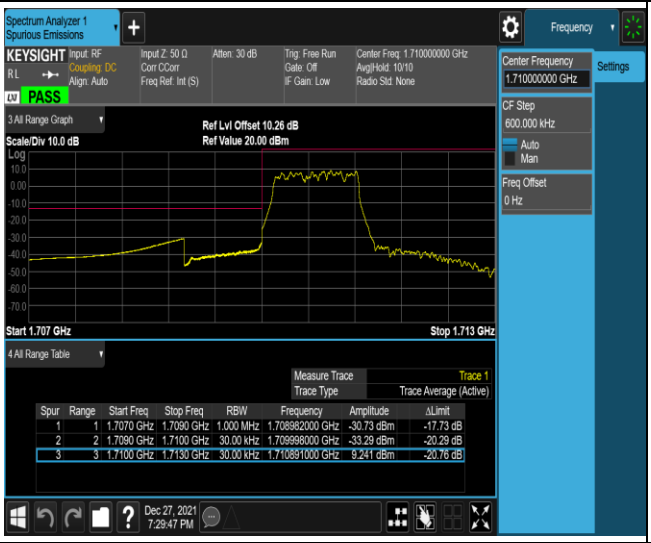
Band4-1.4MHz-16QAM-19957-1RB#5



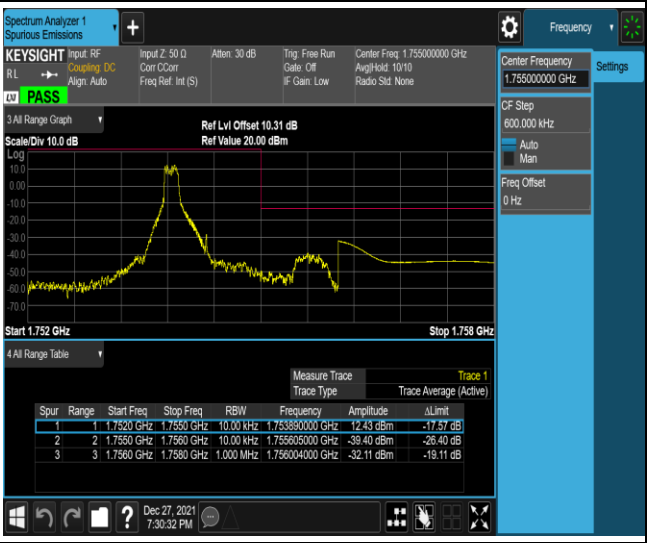

Band4-1.4MHz-16QAM-19957-6RB#0




Band4-1.4MHz-16QAM-20393-1RB#0




Band4-1.4MHz-16QAM-20393-1RB#5

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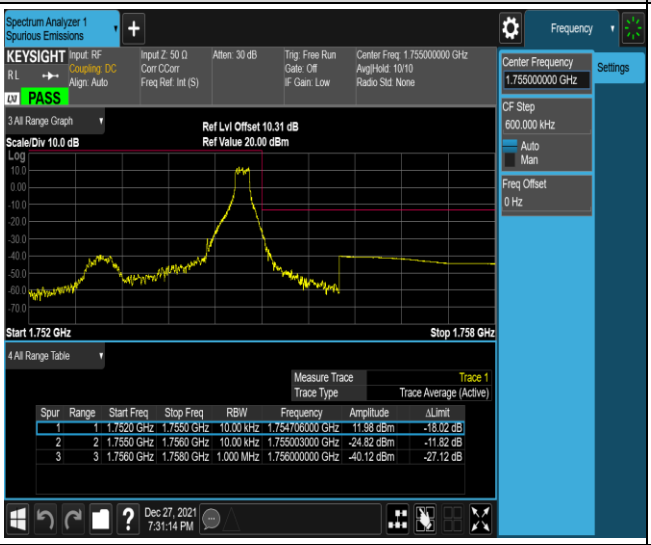
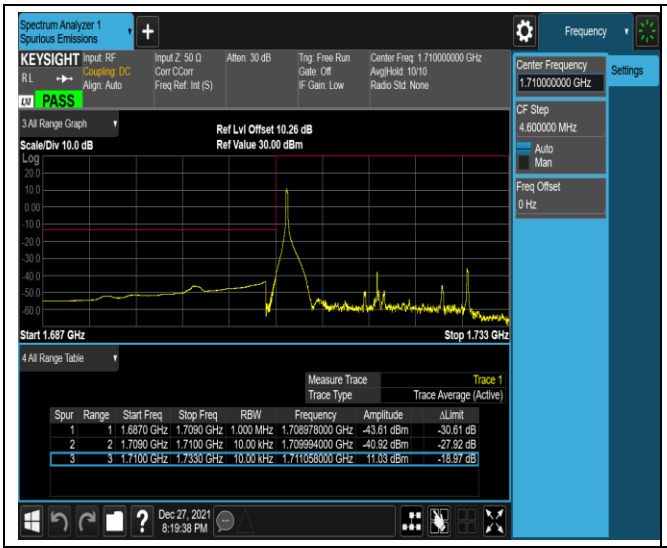



Band4-20MHz-QPSK-20050-1RB#0

Band4-20MHz-QPSK-20050-1RB#99

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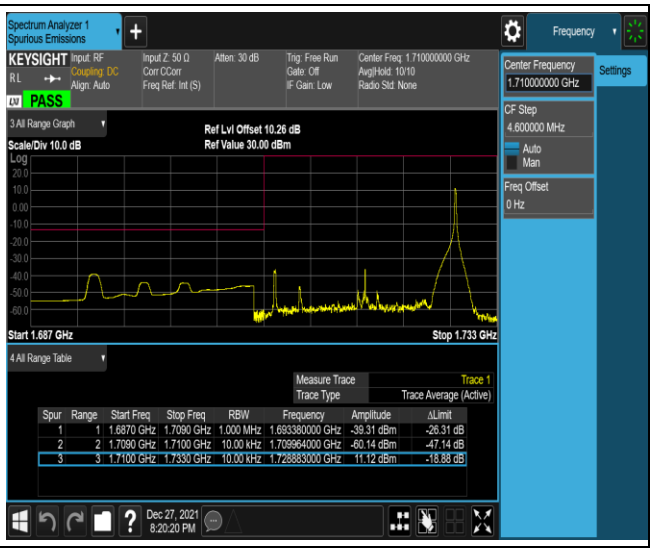


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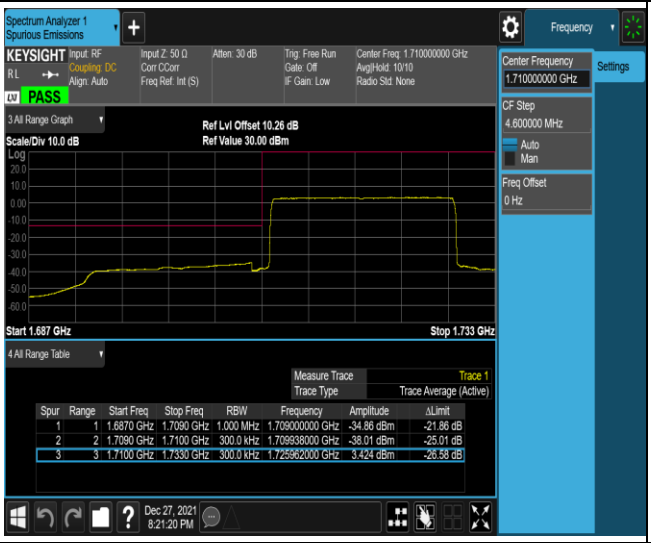


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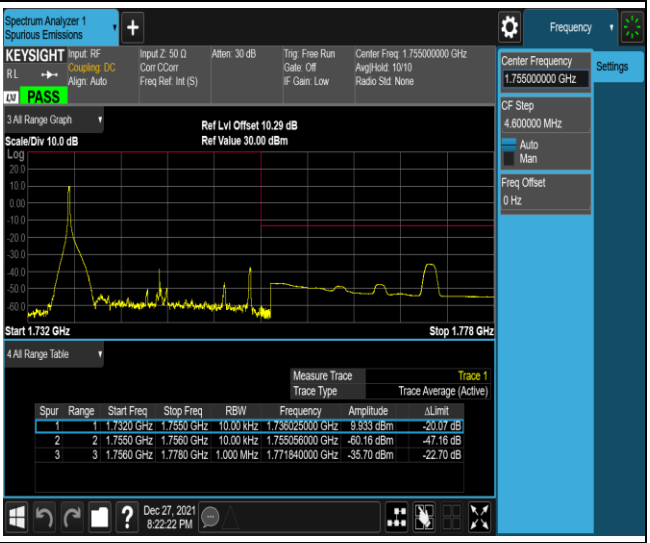


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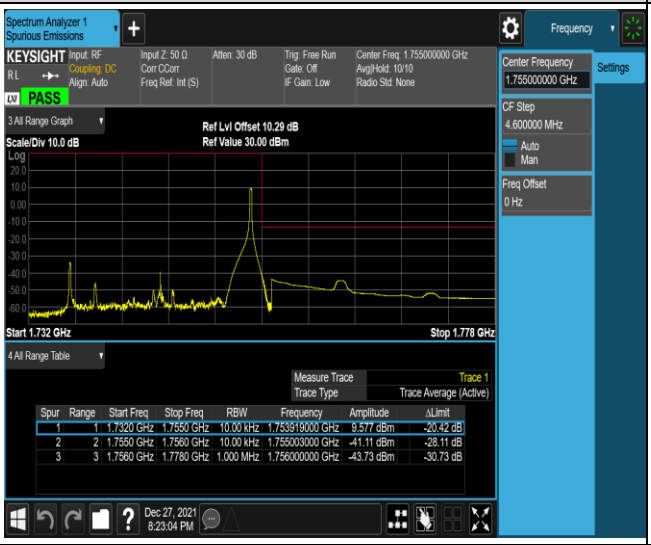


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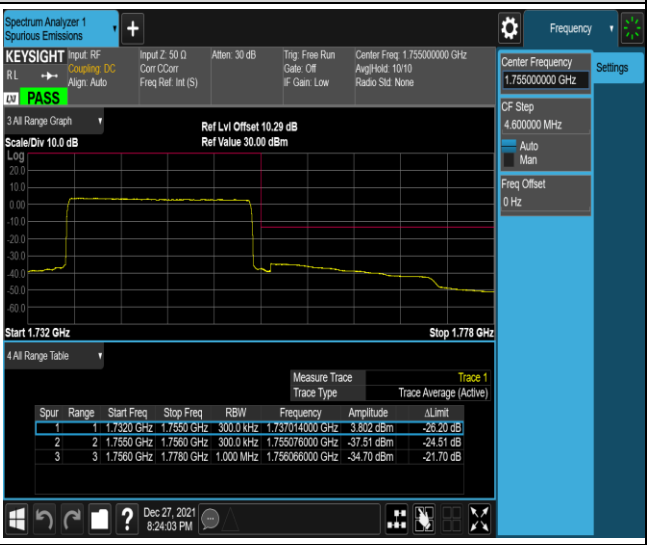


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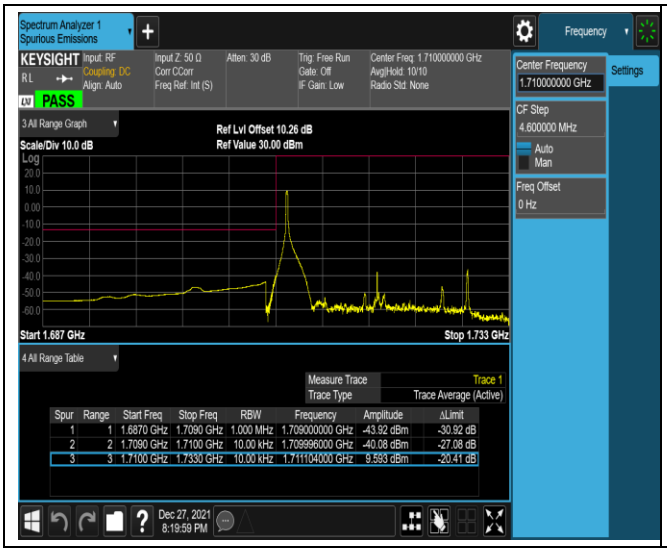


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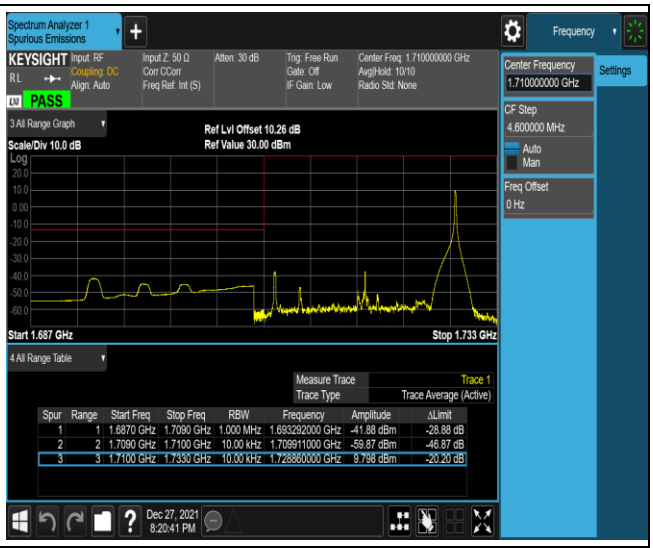
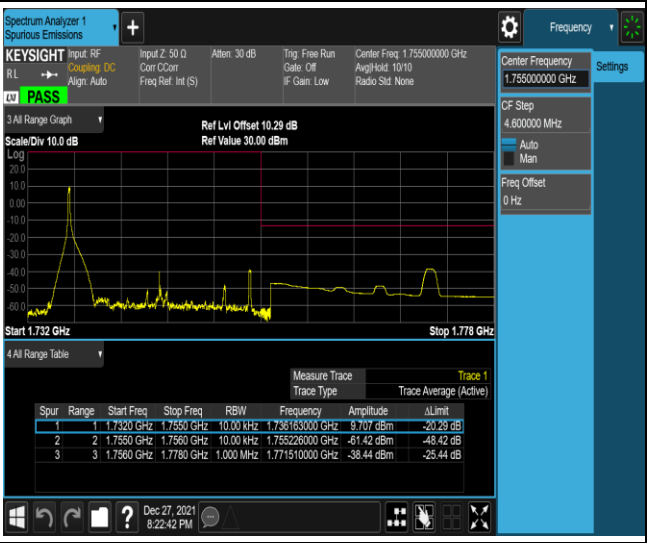



Band4-20MHz-16QAM-20300-1RB#0

Band4-20MHz-16QAM-20300-1RB#99

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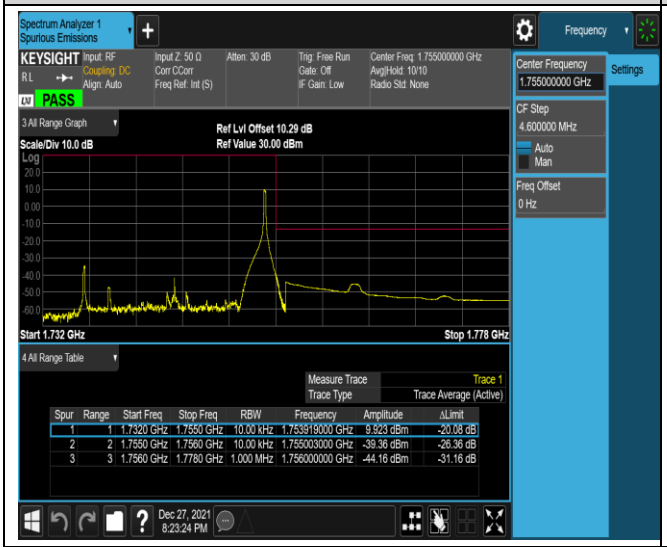
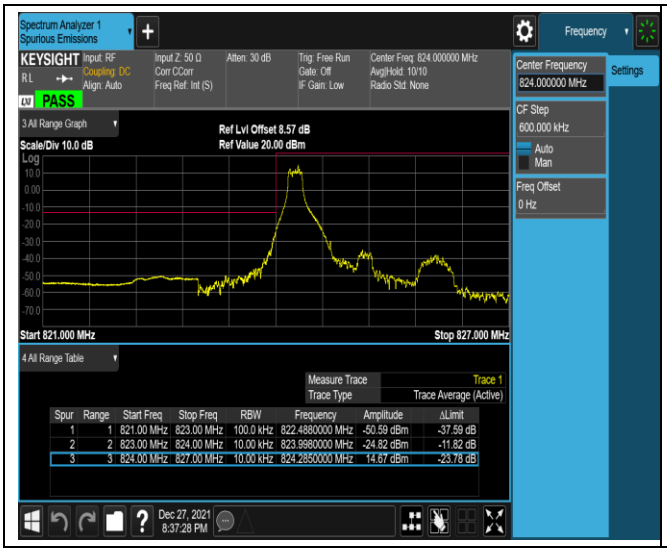


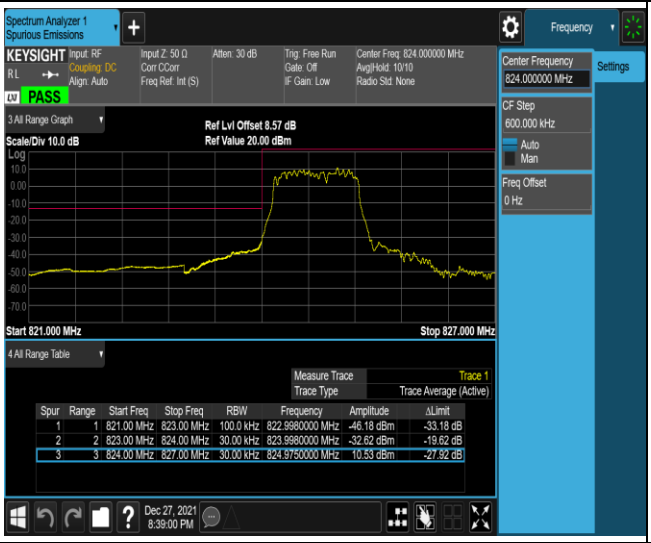

Band5-1.4MHz-QPSK-20407-1RB#0

Band5-1.4MHz-QPSK-20407-1RB#5




Band5-1.4MHz-QPSK-20407-6RB#0

Band5-1.4MHz-QPSK-20643-1RB#0

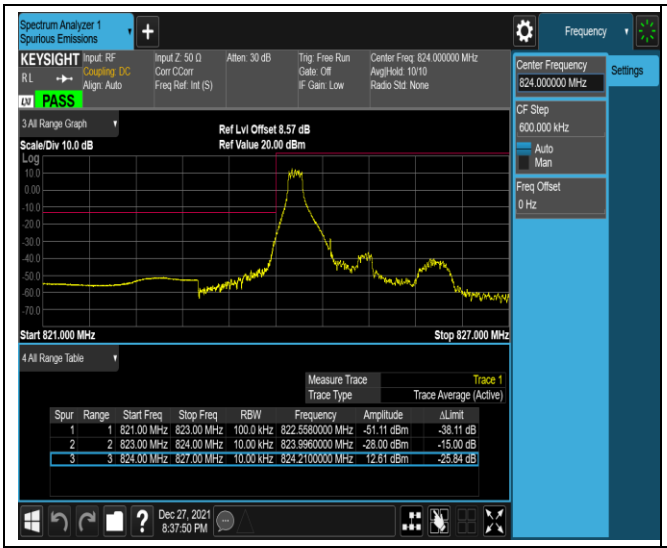



Band5-1.4MHz-QPSK-20643-1RB#5

Band5-1.4MHz-QPSK-20643-6RB#0

Band5-1.4MHz-16QAM-20407-1RB#0

Band5-1.4MHz-16QAM-20407-1RB#5




Band5-1.4MHz-16QAM-20407-6RB#0

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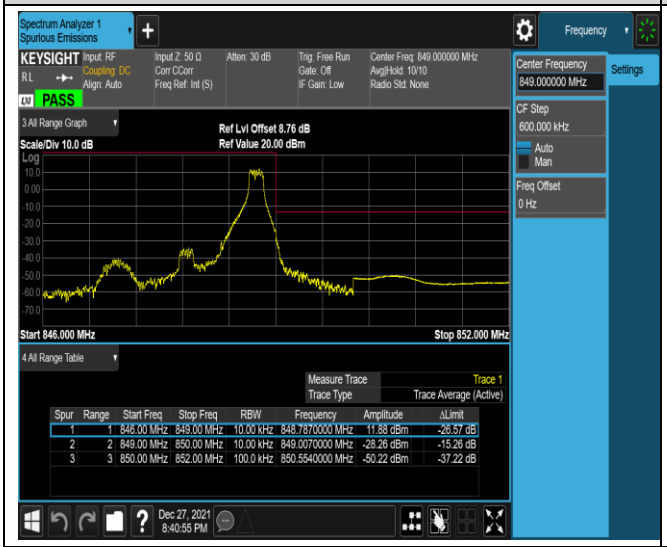
Band5-1.4MHz-16QAM-20643-1RB#5

Band5-1.4MHz-16QAM-20643-6RB#0




Band5-10MHz-QPSK-20450-1RB#0

Band5-10MHz-QPSK-20450-1RB#49