

## 5: Conducted Spurious Emission

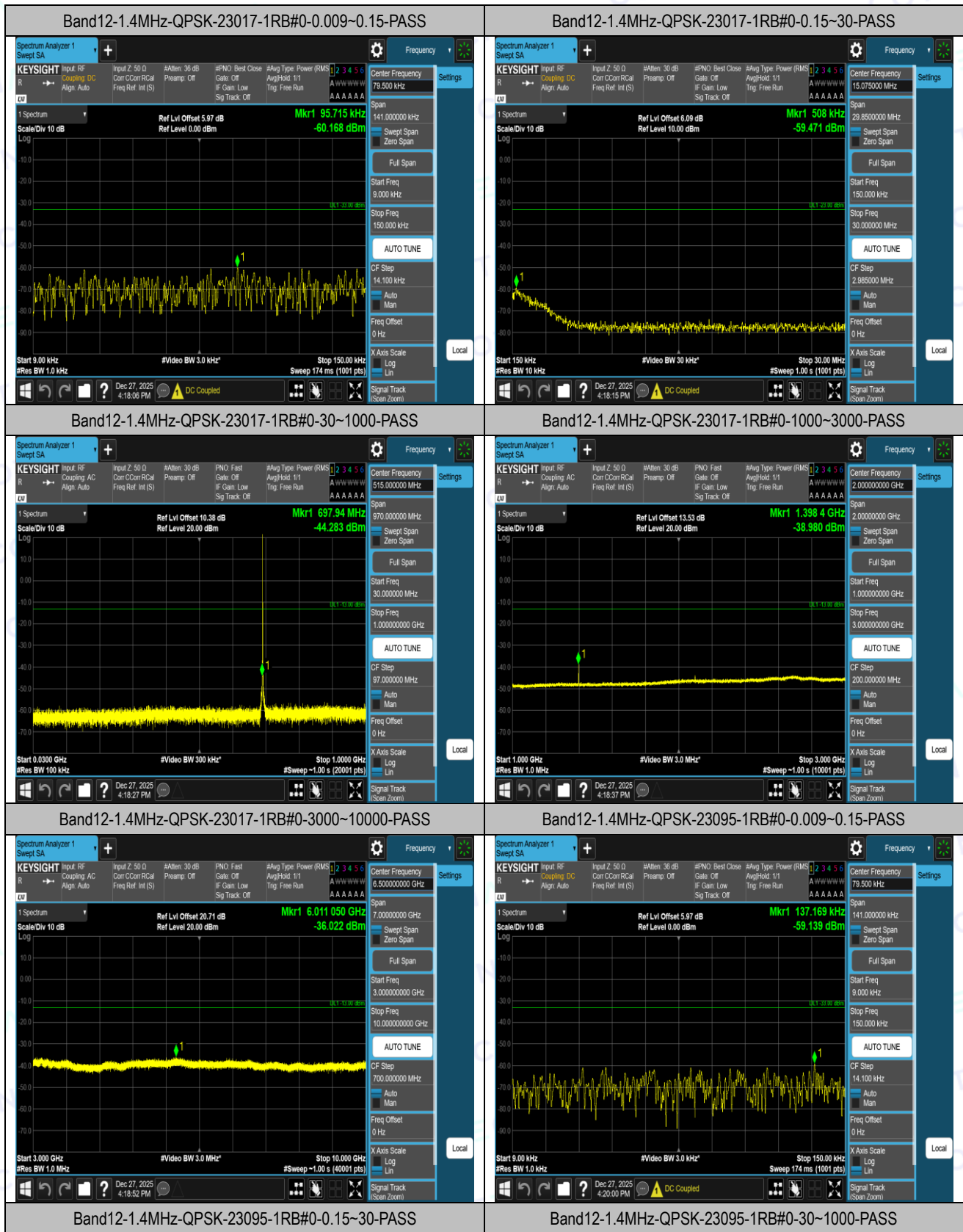
### Test Result

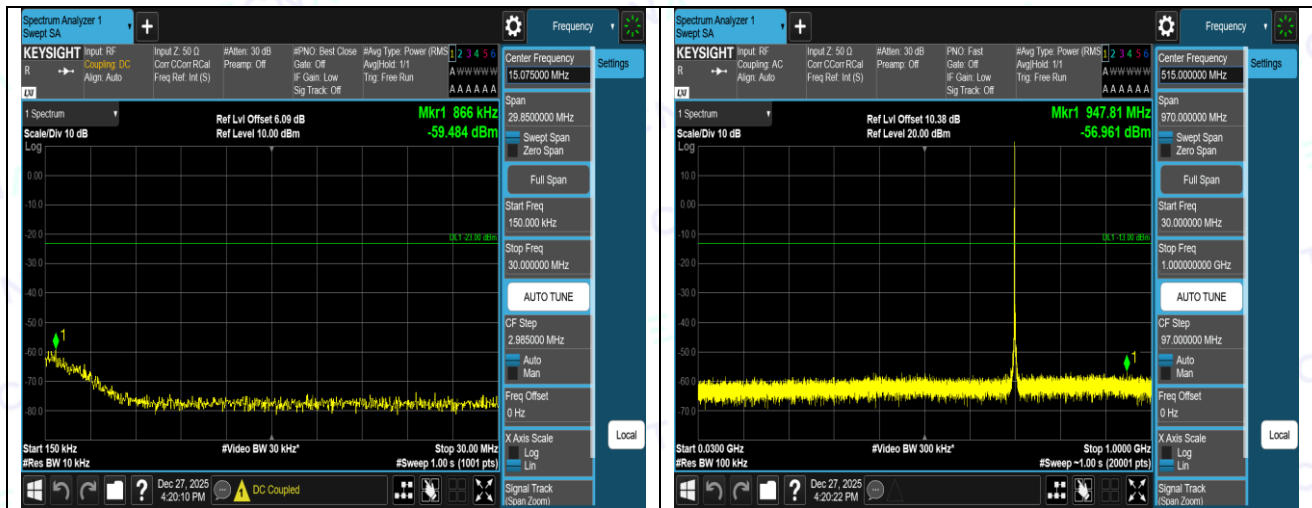
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range | Frequency | Value(dBm) | Limit (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-----------------|-----------|------------|-------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 0.009~0.15      | 0.10      | -60.17     | -33.0       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 0.15~30         | 0.51      | -59.47     | -23.0       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 30~1000         | 697.94    | -44.28     | -13.0       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 1000~3000       | 1398.40   | -38.98     | -13.0       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 3000~10000      | 6011.05   | -36.02     | -13.0       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 0.009~0.15      | 0.14      | -59.14     | -33.0       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 0.15~30         | 0.87      | -59.48     | -23.0       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 30~1000         | 947.81    | -56.96     | -13.0       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 1000~3000       | 2121.20   | -43.39     | -13.0       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 3000~10000      | 3029.93   | -35.82     | -13.0       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 0.009~0.15      | 0.14      | -57.94     | -33.0       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 0.15~30         | 0.45      | -59.69     | -23.0       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 30~1000         | 717.34    | -46.17     | -13.0       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 1000~3000       | 1429.60   | -42.32     | -13.0       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 3000~10000      | 3160.65   | -35.27     | -13.0       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 0.009~0.15      | 0.06      | -61.72     | -33.0       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 0.15~30         | 0.57      | -60.43     | -23.0       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 30~1000         | 697.94    | -46.77     | -13.0       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 1000~3000       | 1398.40   | -40.11     | -13.0       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 3000~10000      | 3065.28   | -36.30     | -13.0       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 0.009~0.15      | 0.11      | -60.86     | -33.0       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 0.15~30         | 0.87      | -59.96     | -23.0       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 30~1000         | 928.56    | -57.39     | -13.0       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 1000~3000       | 2121.40   | -43.51     | -13.0       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 3000~10000      | 3186.38   | -35.89     | -13.0       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 0.009~0.15      | 0.03      | -61.03     | -33.0       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 0.15~30         | 0.60      | -59.30     | -23.0       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 30~1000         | 717.54    | -49.04     | -13.0       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 1000~3000       | 1429.60   | -42.49     | -13.0       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 3000~10000      | 3141.23   | -35.66     | -13.0       | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 0.009~0.15      | 0.08      | -60.37     | -33.0       | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 0.15~30         | 0.57      | -59.21     | -23.0       | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 30~1000         | 697.85    | -26.46     | -13.0       | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 1000~3000       | 1398.60   | -38.90     | -13.0       | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 3000~10000      | 5149.00   | -35.90     | -13.0       | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 1RB#0            | 0.009~0.15      | 0.14      | -58.79     | -33.0       | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 1RB#0            | 0.15~30         | 0.69      | -60.31     | -23.0       | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 1RB#0            | 30~1000         | 697.12    | -56.47     | -13.0       | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 1RB#0            | 1000~3000       | 2691.80   | -43.65     | -13.0       | PASS    |

|        |      |       |       |       |            |         |        |       |      |
|--------|------|-------|-------|-------|------------|---------|--------|-------|------|
| Band12 | 3MHz | QPSK  | 23095 | 1RB#0 | 3000~10000 | 3056.18 | -36.25 | -13.0 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 0.009~0.15 | 0.12    | -60.63 | -33.0 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 0.15~30    | 0.72    | -59.70 | -23.0 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 30~1000    | 717.10  | -36.96 | -13.0 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 1000~3000  | 1426.20 | -42.26 | -13.0 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 3000~10000 | 3166.60 | -35.87 | -13.0 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 0.009~0.15 | 0.10    | -60.83 | -33.0 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 0.15~30    | 0.69    | -59.95 | -23.0 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 30~1000    | 697.75  | -28.57 | -13.0 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 1000~3000  | 1398.60 | -40.36 | -13.0 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 3000~10000 | 6021.03 | -35.96 | -13.0 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 0.009~0.15 | 0.12    | -60.20 | -33.0 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 0.15~30    | 0.69    | -58.90 | -23.0 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 30~1000    | 808.76  | -55.63 | -13.0 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 1000~3000  | 2696.60 | -43.54 | -13.0 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 3000~10000 | 5911.13 | -36.11 | -13.0 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 0.009~0.15 | 0.15    | -60.08 | -33.0 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 0.15~30    | 0.72    | -59.80 | -23.0 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 30~1000    | 717.05  | -34.74 | -13.0 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 1000~3000  | 1426.60 | -43.60 | -13.0 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 3000~10000 | 3176.23 | -36.08 | -13.0 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 0.009~0.15 | 0.07    | -57.90 | -33.0 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 0.15~30    | 0.66    | -59.79 | -23.0 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 30~1000    | 697.94  | -37.75 | -13.0 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 1000~3000  | 1398.80 | -38.74 | -13.0 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 3000~10000 | 5963.80 | -35.82 | -13.0 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0 | 0.009~0.15 | 0.11    | -57.95 | -33.0 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0 | 0.15~30    | 0.69    | -59.38 | -23.0 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0 | 30~1000    | 696.58  | -51.71 | -13.0 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0 | 1000~3000  | 2665.60 | -43.79 | -13.0 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0 | 3000~10000 | 6066.18 | -36.07 | -13.0 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#0 | 0.009~0.15 | 0.14    | -59.90 | -33.0 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#0 | 0.15~30    | 0.42    | -59.23 | -23.0 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#0 | 30~1000    | 717.92  | -47.05 | -13.0 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#0 | 1000~3000  | 1422.60 | -37.65 | -13.0 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#0 | 3000~10000 | 3187.08 | -36.04 | -13.0 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 0.009~0.15 | 0.11    | -60.29 | -33.0 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 0.15~30    | 0.66    | -59.62 | -23.0 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 30~1000    | 697.85  | -33.99 | -13.0 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 1000~3000  | 1398.40 | -39.90 | -13.0 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 3000~10000 | 3170.45 | -36.17 | -13.0 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0 | 0.009~0.15 | 0.10    | -60.10 | -33.0 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0 | 0.15~30    | 0.39    | -60.05 | -23.0 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0 | 30~1000    | 696.73  | -50.50 | -13.0 | PASS |

|        |       |       |       |       |            |         |        |       |      |
|--------|-------|-------|-------|-------|------------|---------|--------|-------|------|
| Band12 | 5MHz  | 16QAM | 23095 | 1RB#0 | 1000~3000  | 2685.40 | -43.78 | -13.0 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 1RB#0 | 3000~10000 | 6015.25 | -35.83 | -13.0 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0 | 0.009~0.15 | 0.12    | -60.11 | -33.0 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0 | 0.15~30    | 0.60    | -60.27 | -23.0 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0 | 30~1000    | 717.83  | -46.00 | -13.0 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0 | 1000~3000  | 1422.60 | -37.62 | -13.0 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0 | 3000~10000 | 5942.28 | -36.02 | -13.0 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0 | 0.009~0.15 | 0.11    | -58.82 | -33.0 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0 | 0.15~30    | 0.48    | -59.54 | -23.0 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0 | 30~1000    | 697.75  | -33.63 | -13.0 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0 | 1000~3000  | 1399.40 | -40.70 | -13.0 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0 | 3000~10000 | 6051.48 | -35.96 | -13.0 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0 | 0.009~0.15 | 0.13    | -60.85 | -33.0 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0 | 0.15~30    | 0.48    | -59.77 | -23.0 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0 | 30~1000    | 720.83  | -51.57 | -13.0 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0 | 1000~3000  | 2724.00 | -43.82 | -13.0 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0 | 3000~10000 | 3156.98 | -36.01 | -13.0 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0 | 0.009~0.15 | 0.04    | -60.39 | -33.0 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0 | 0.15~30    | 0.63    | -58.38 | -23.0 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0 | 30~1000    | 697.80  | -48.16 | -13.0 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0 | 1000~3000  | 2684.80 | -43.68 | -13.0 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0 | 3000~10000 | 3188.83 | -35.84 | -13.0 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 0.009~0.15 | 0.11    | -60.69 | -33.0 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 0.15~30    | 0.48    | -59.63 | -23.0 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 30~1000    | 697.41  | -34.73 | -13.0 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 1000~3000  | 1399.20 | -41.37 | -13.0 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 3000~10000 | 3164.15 | -36.23 | -13.0 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 0.009~0.15 | 0.15    | -58.19 | -33.0 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 0.15~30    | 0.72    | -59.43 | -23.0 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 30~1000    | 720.64  | -49.05 | -13.0 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 1000~3000  | 2706.60 | -43.87 | -13.0 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 3000~10000 | 5998.98 | -35.93 | -13.0 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 0.009~0.15 | 0.15    | -61.81 | -33.0 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 0.15~30    | 0.78    | -59.21 | -23.0 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 30~1000    | 697.70  | -47.64 | -13.0 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 1000~3000  | 2721.20 | -43.71 | -13.0 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 3000~10000 | 6001.95 | -36.19 | -13.0 | PASS |

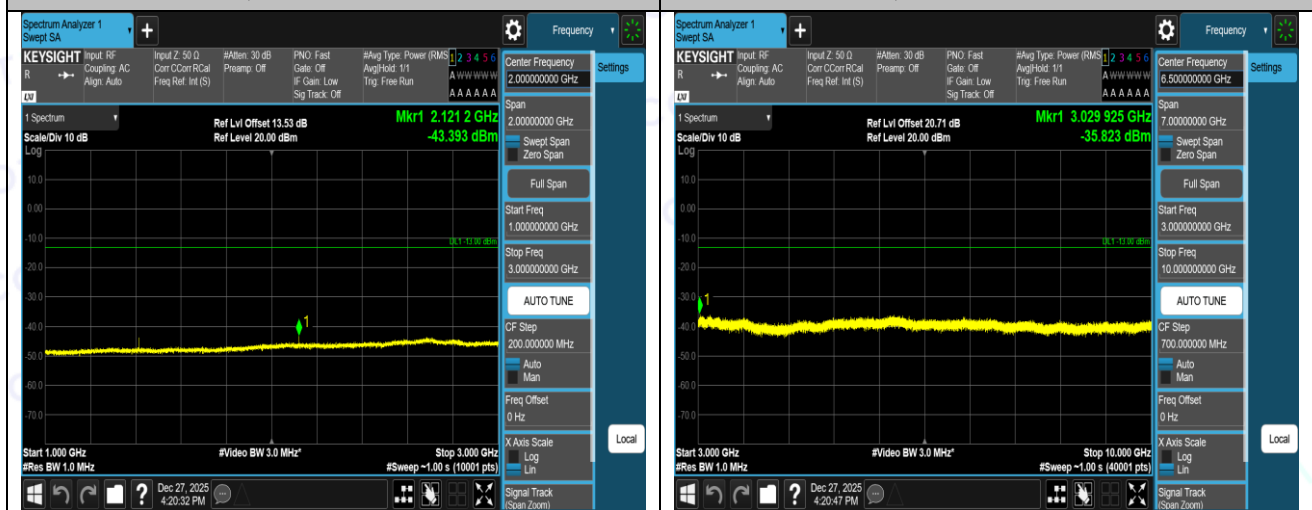
## Test Graphs





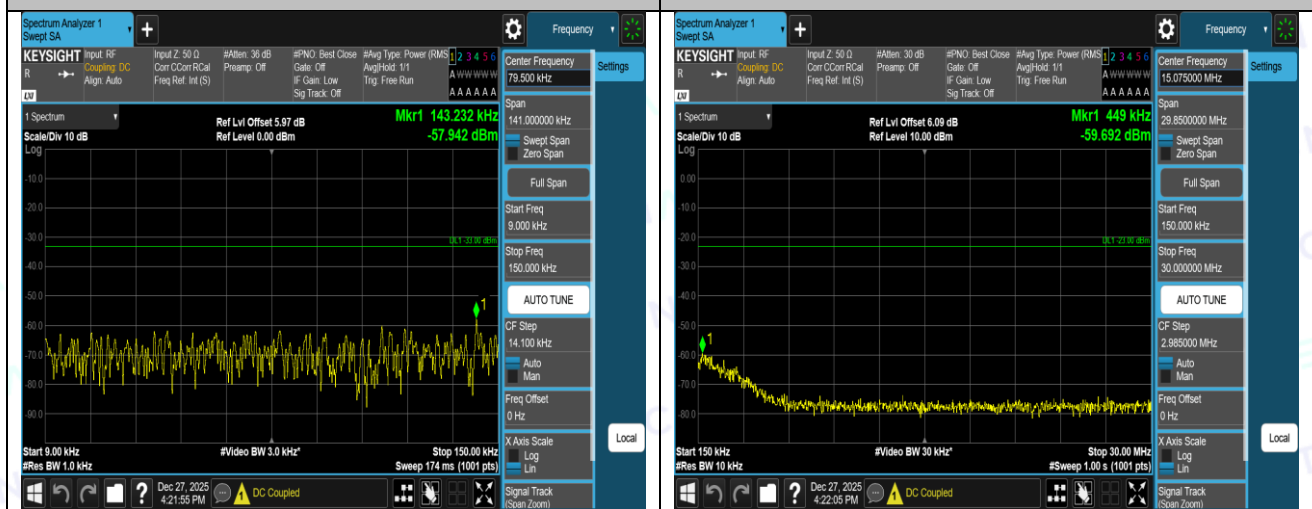
Band12-1.4MHz-QPSK-23095-1RB#0-1000~3000-PASS

Band12-1.4MHz-QPSK-23095-1RB#0-3000~10000-PASS



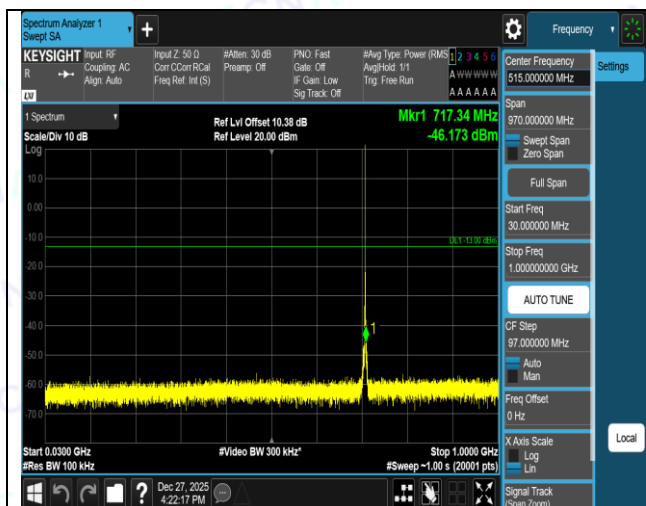
Band12-1.4MHz-QPSK-23173-1RB#0-0.009~0.15-PASS

Band12-1.4MHz-QPSK-23173-1RB#0-0.15~30-PASS



Band12-1.4MHz-QPSK-23173-1RB#0-30~1000-PASS

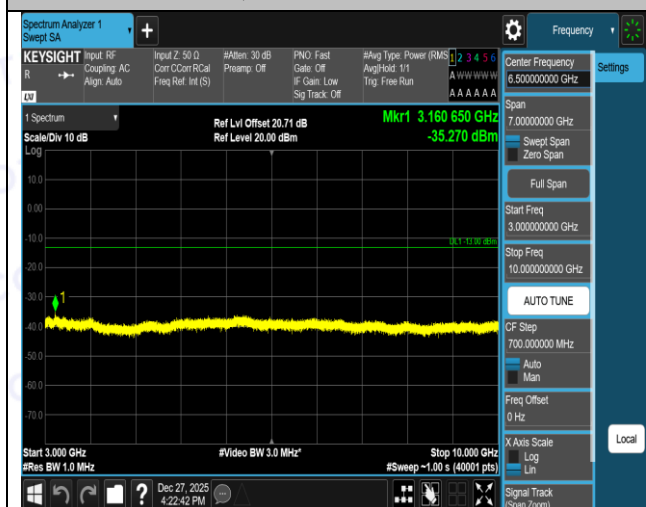
Band12-1.4MHz-QPSK-23173-1RB#0-1000~3000-PASS



Band12-1.4MHz-QPSK-23173-1RB#0-3000~10000-PASS



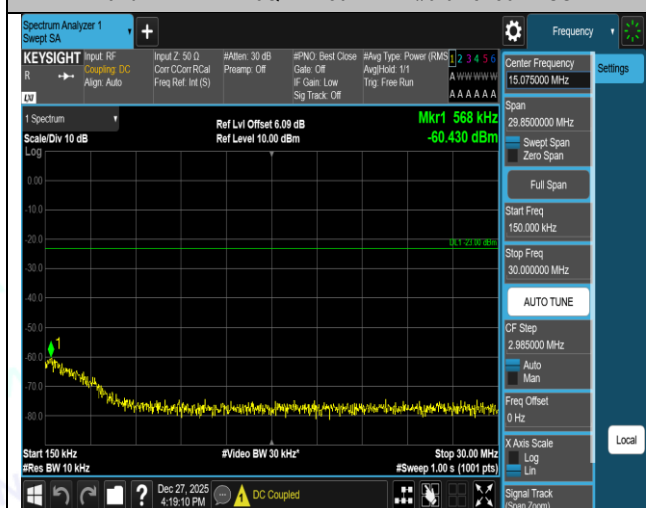
Band12-1.4MHz-16QAM-23017-1RB#0-0.009~0.15-PASS



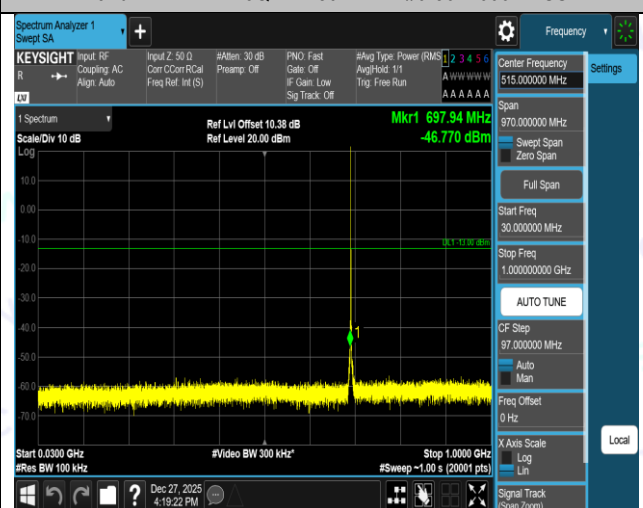
Band12-1.4MHz-16QAM-23017-1RB#0-0.15~30-PASS



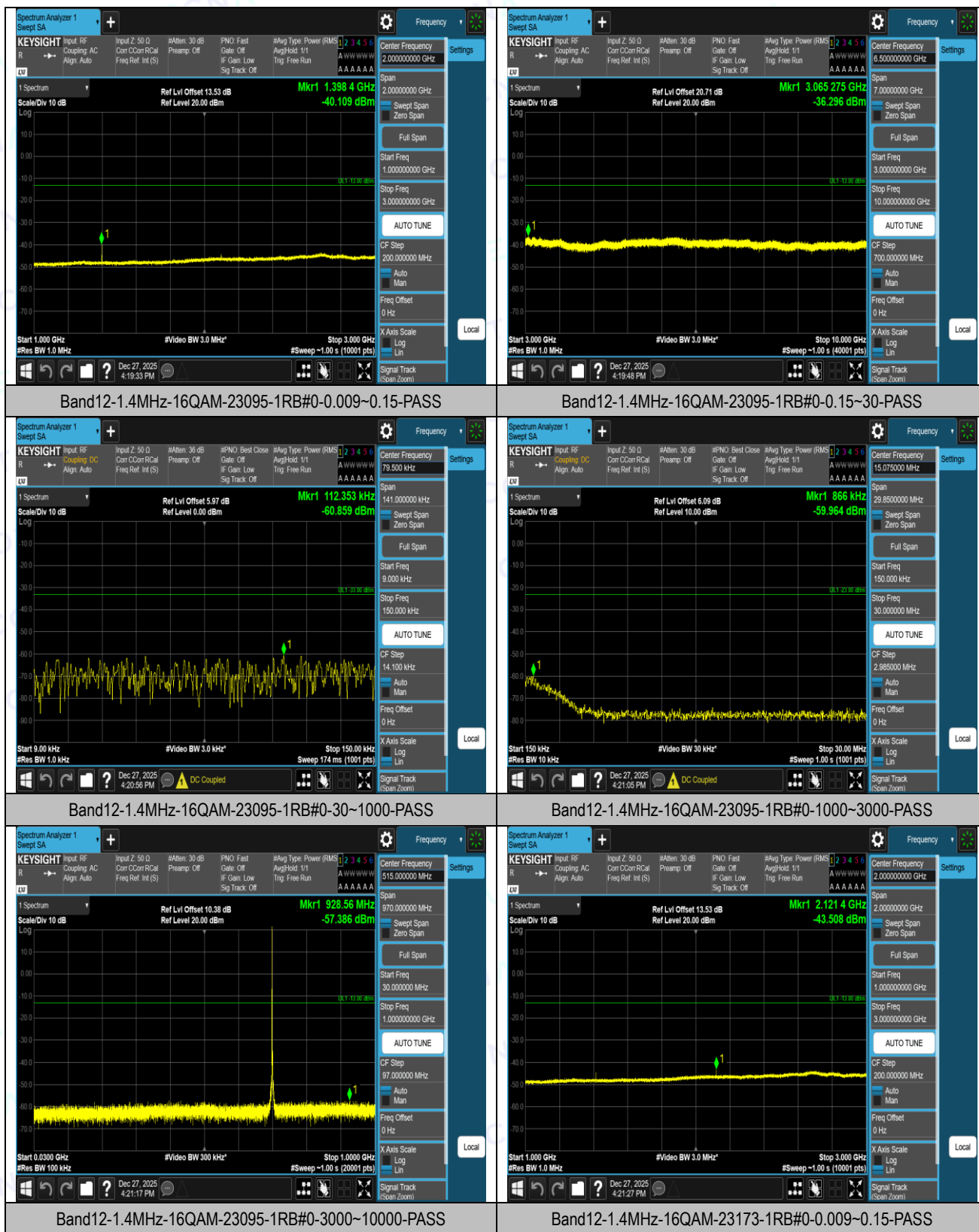
Band12-1.4MHz-16QAM-23017-1RB#0-30~1000-PASS

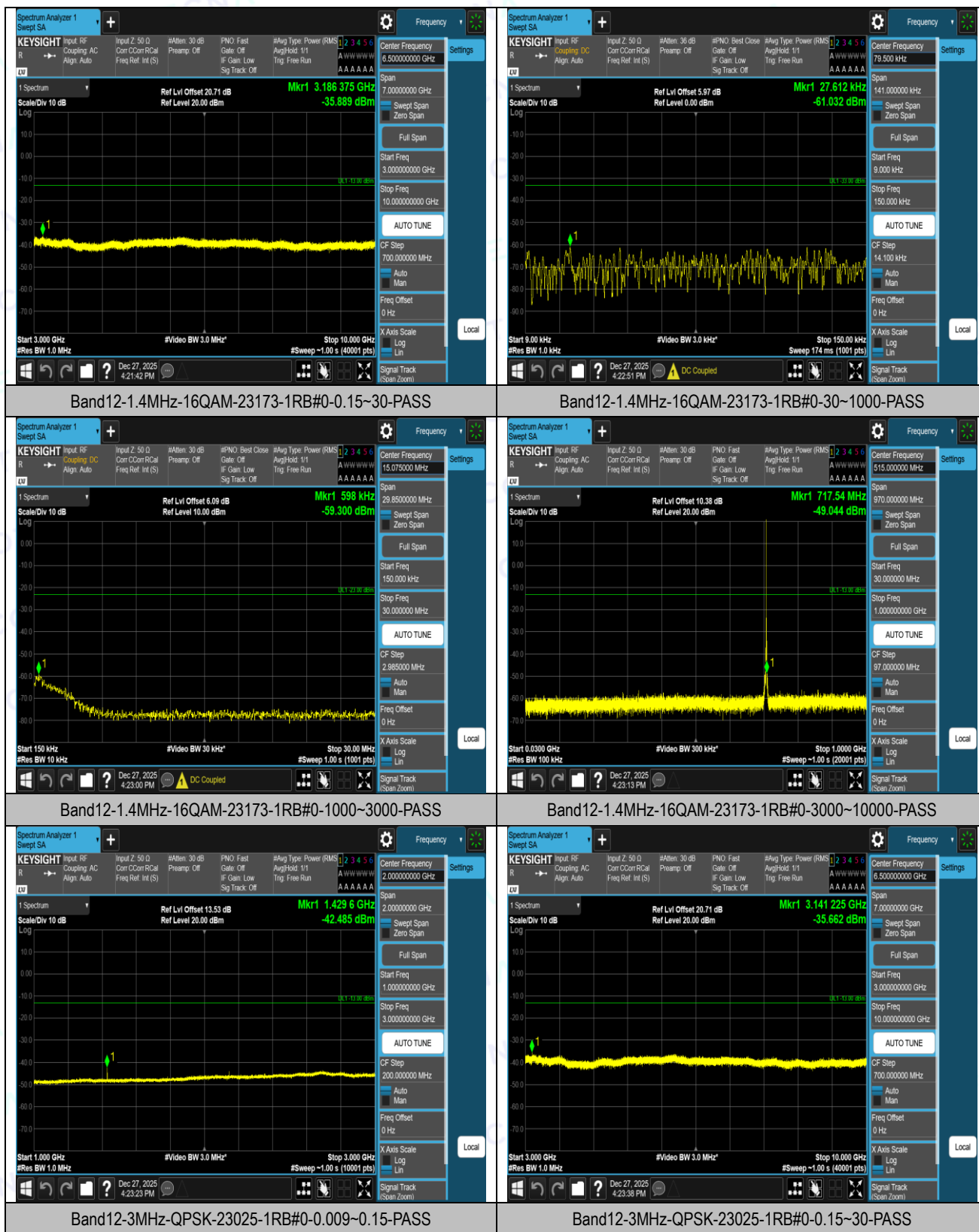


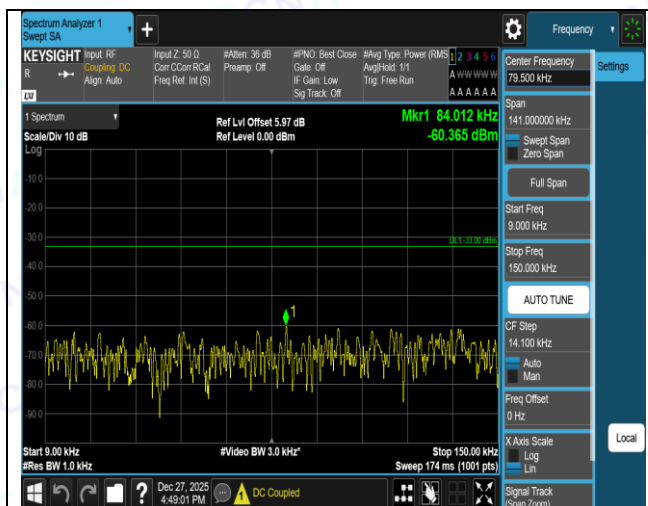
Band12-1.4MHz-16QAM-23017-1RB#0-1000~3000-PASS



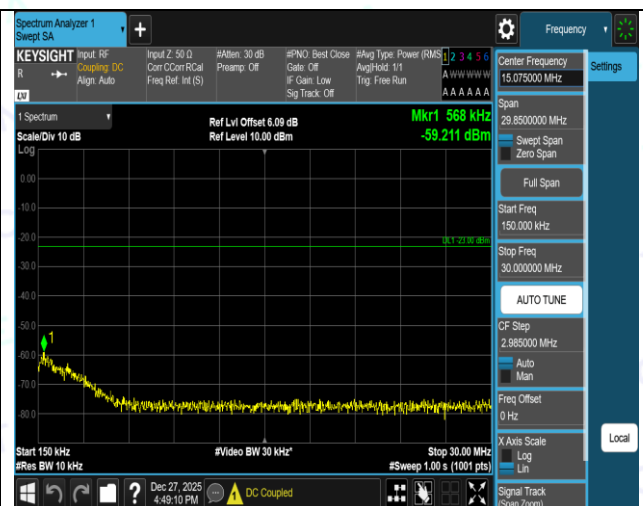
Band12-1.4MHz-16QAM-23017-1RB#0-3000~10000-PASS



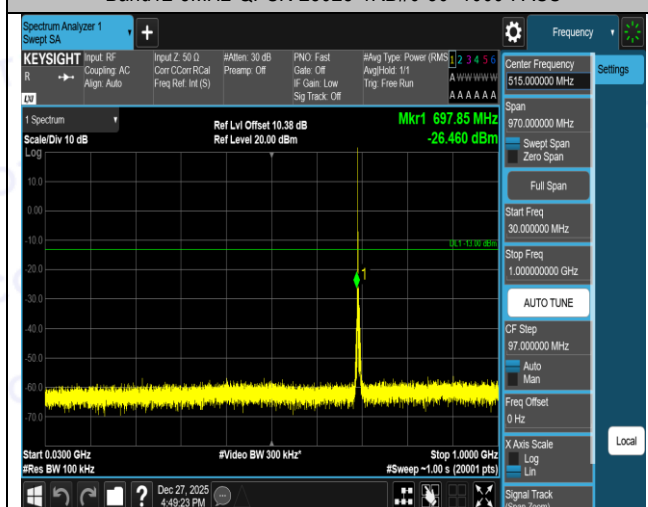




Band12-3MHz-QPSK-23025-1RB#0-30~1000-PASS



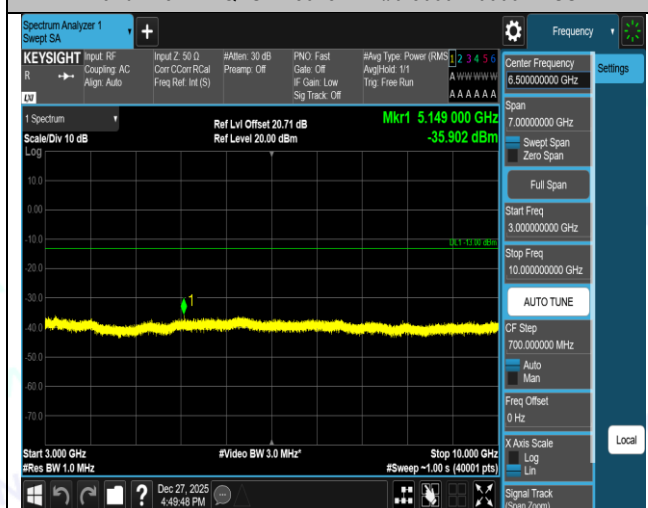
Band12-3MHz-QPSK-23025-1RB#0-1000~3000-PASS



Band12-3MHz-QPSK-23025-1RB#0-3000~10000-PASS



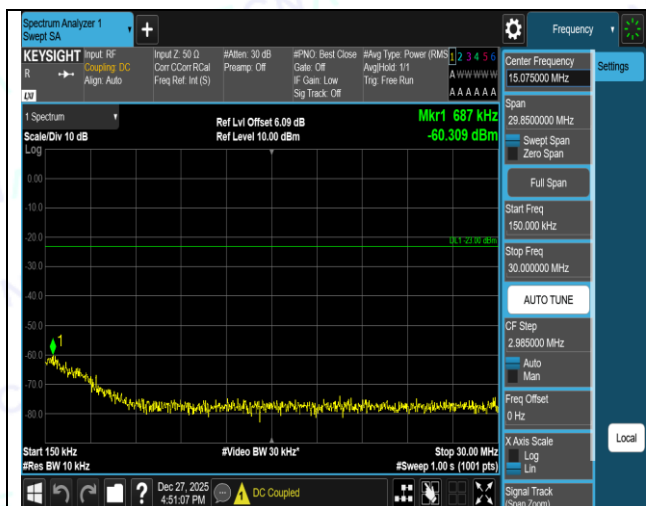
Band12-3MHz-QPSK-23095-1RB#0-0.009~0.15-PASS



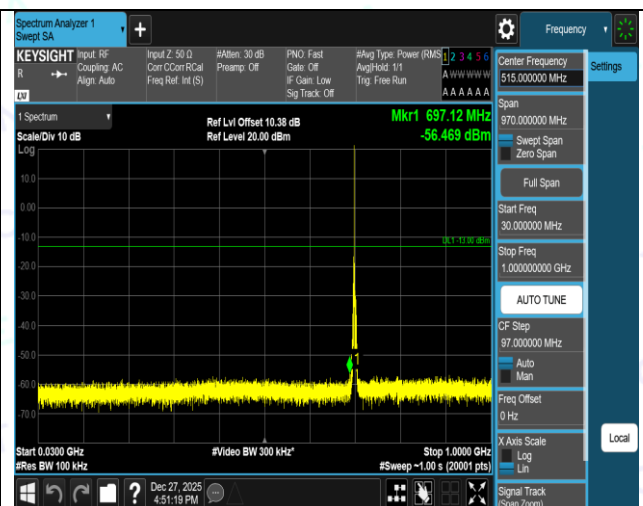
Band12-3MHz-QPSK-23095-1RB#0-0.15~30-PASS



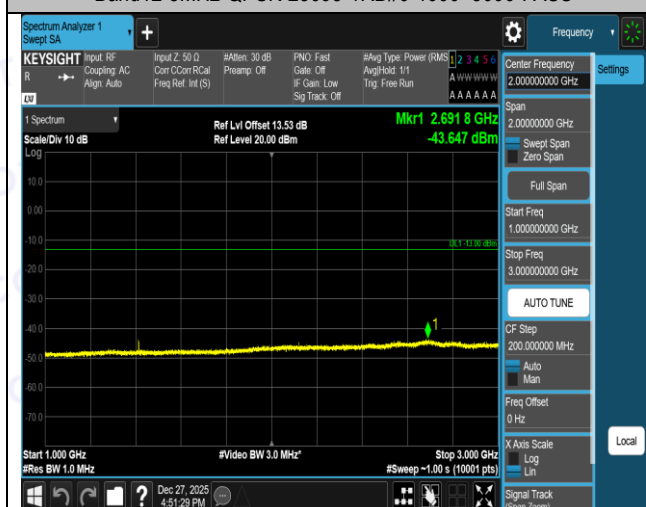
Band12-3MHz-QPSK-23095-1RB#0-30~1000-PASS



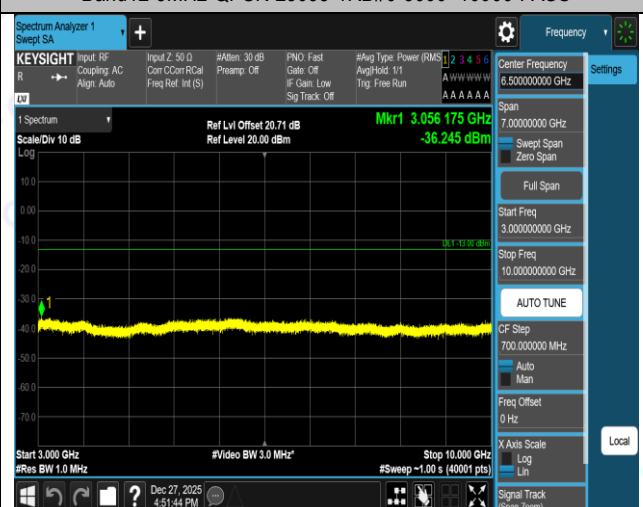
Band12-3MHz-QPSK-23095-1RB#0-1000~3000-PASS



Band12-3MHz-QPSK-23095-1RB#0-3000~10000-PASS



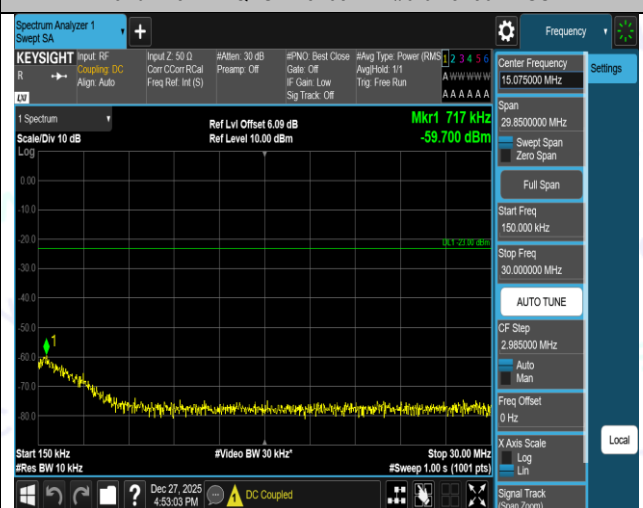
Band12-3MHz-QPSK-23165-1RB#0-0.009~0.15-PASS



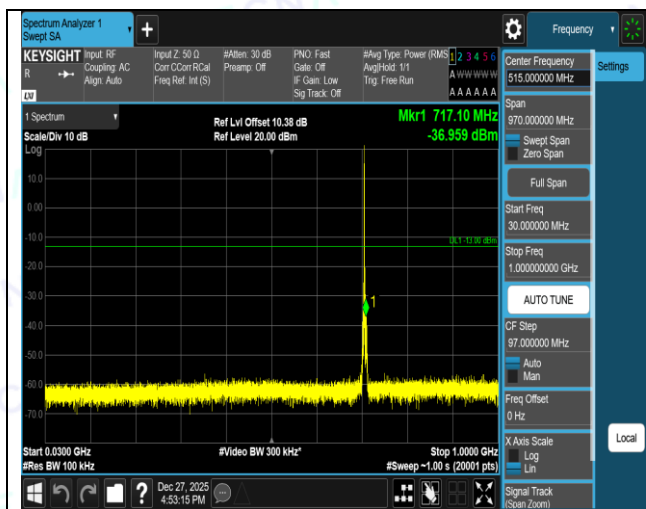
Band12-3MHz-QPSK-23165-1RB#0-0.15~30-PASS



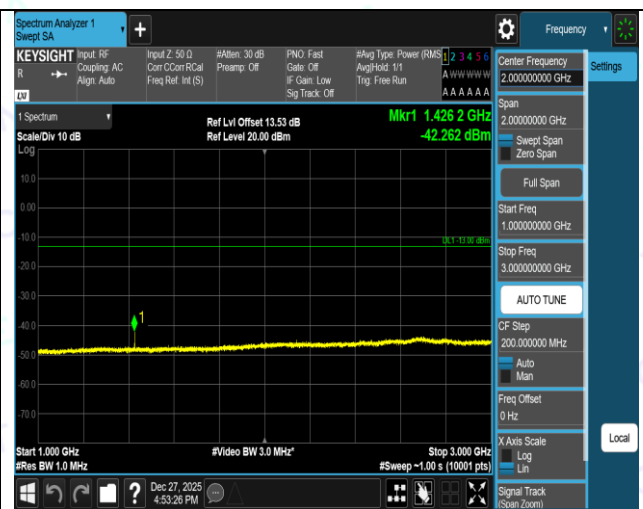
Band12-3MHz-QPSK-23165-1RB#0-30~1000-PASS



Band12-3MHz-QPSK-23165-1RB#0-1000~3000-PASS



Band12-3MHz-QPSK-23165-1RB#0-3000~10000-PASS



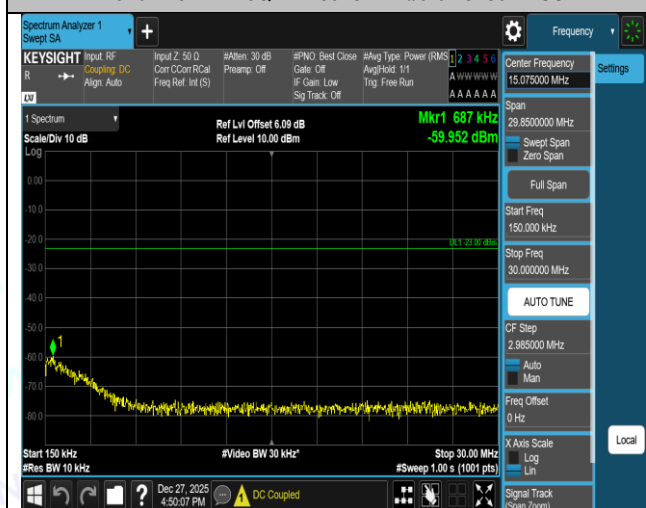
Band12-3MHz-16QAM-23025-1RB#0-0.009~0.15-PASS



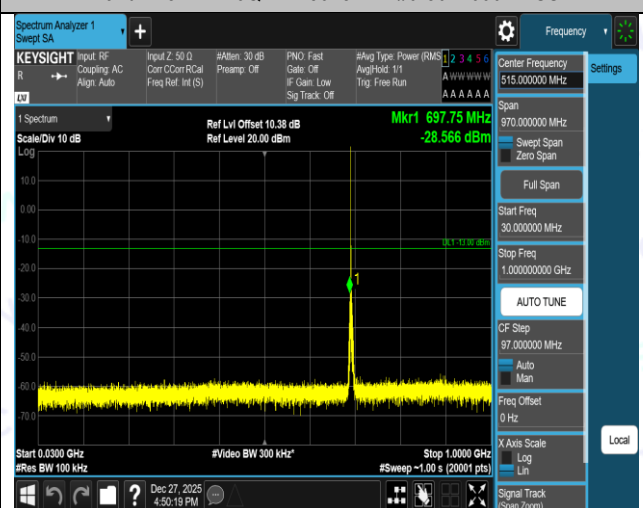
Band12-3MHz-16QAM-23025-1RB#0-0.15~30-PASS



Band12-3MHz-16QAM-23025-1RB#0-30~1000-PASS



Band12-3MHz-16QAM-23025-1RB#0-1000~3000-PASS



Band12-3MHz-16QAM-23025-1RB#0-3000~10000-PASS

