

## CONDUCTED SPURIOUS EMISSION TEST RESULT

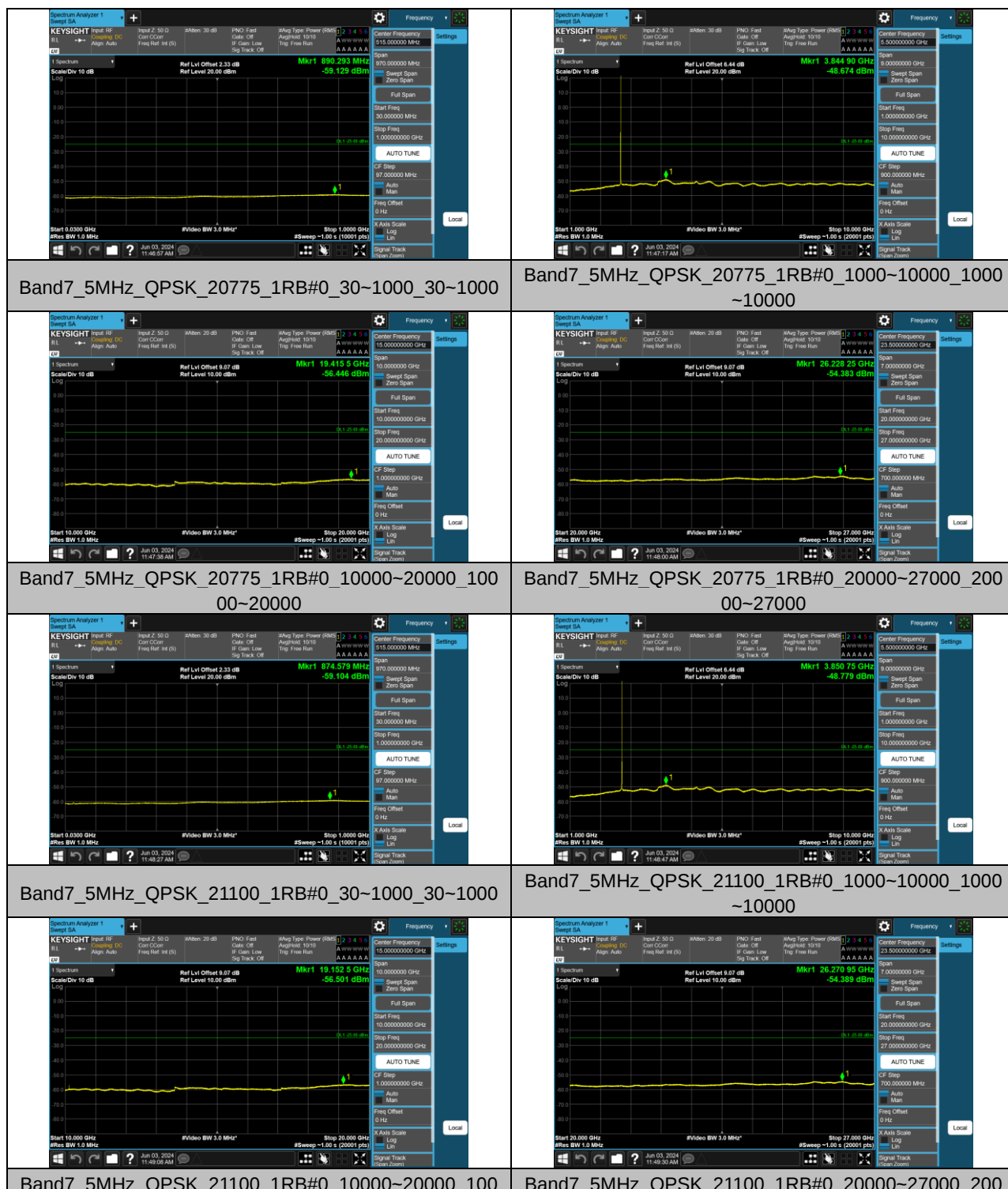
| Band  | Bandwidth | Modulation | Channel | RB<br>Configuration | Frequency<br>Range | Result<br>(dBm) | Verdict |
|-------|-----------|------------|---------|---------------------|--------------------|-----------------|---------|
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#0               | 30~1000            | -59.13          | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#0               | 1000~10000         | -48.67          | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#0               | 10000~20000        | -56.45          | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#0               | 20000~27000        | -54.38          | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 1RB#0               | 30~1000            | -59.10          | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 1RB#0               | 1000~10000         | -48.78          | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 1RB#0               | 10000~20000        | -56.50          | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 1RB#0               | 20000~27000        | -54.39          | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#0               | 30~1000            | -59.10          | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#0               | 1000~10000         | -48.80          | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#0               | 10000~20000        | -56.44          | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#0               | 20000~27000        | -54.39          | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 1RB#0               | 30~1000            | -59.05          | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 1RB#0               | 1000~10000         | -48.85          | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 1RB#0               | 10000~20000        | -56.49          | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 1RB#0               | 20000~27000        | -54.37          | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 1RB#0               | 30~1000            | -59.11          | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 1RB#0               | 1000~10000         | -48.83          | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 1RB#0               | 10000~20000        | -56.52          | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 1RB#0               | 20000~27000        | -54.33          | PASS    |
| Band7 | 10MHz     | QPSK       | 21400   | 1RB#0               | 30~1000            | -59.00          | PASS    |
| Band7 | 10MHz     | QPSK       | 21400   | 1RB#0               | 1000~10000         | -48.68          | PASS    |
| Band7 | 10MHz     | QPSK       | 21400   | 1RB#0               | 10000~20000        | -56.35          | PASS    |
| Band7 | 10MHz     | QPSK       | 21400   | 1RB#0               | 20000~27000        | -54.39          | PASS    |
| Band7 | 15MHz     | QPSK       | 20825   | 1RB#0               | 30~1000            | -59.13          | PASS    |
| Band7 | 15MHz     | QPSK       | 20825   | 1RB#0               | 1000~10000         | -48.67          | PASS    |
| Band7 | 15MHz     | QPSK       | 20825   | 1RB#0               | 10000~20000        | -56.40          | PASS    |
| Band7 | 15MHz     | QPSK       | 20825   | 1RB#0               | 20000~27000        | -54.37          | PASS    |
| Band7 | 15MHz     | QPSK       | 21100   | 1RB#0               | 30~1000            | -59.09          | PASS    |
| Band7 | 15MHz     | QPSK       | 21100   | 1RB#0               | 1000~10000         | -48.77          | PASS    |
| Band7 | 15MHz     | QPSK       | 21100   | 1RB#0               | 10000~20000        | -56.32          | PASS    |
| Band7 | 15MHz     | QPSK       | 21100   | 1RB#0               | 20000~27000        | -54.35          | PASS    |
| Band7 | 15MHz     | QPSK       | 21375   | 1RB#0               | 30~1000            | -59.10          | PASS    |
| Band7 | 15MHz     | QPSK       | 21375   | 1RB#0               | 1000~10000         | -48.75          | PASS    |
| Band7 | 15MHz     | QPSK       | 21375   | 1RB#0               | 10000~20000        | -56.34          | PASS    |
| Band7 | 15MHz     | QPSK       | 21375   | 1RB#0               | 20000~27000        | -54.32          | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 1RB#0               | 30~1000            | -59.02          | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 1RB#0               | 1000~10000         | -48.79          | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 1RB#0               | 10000~20000        | -56.37          | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 1RB#0               | 20000~27000        | -54.30          | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 1RB#0               | 30~1000            | -59.07          | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 1RB#0               | 1000~10000         | -48.77          | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 1RB#0               | 10000~20000        | -56.45          | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 1RB#0               | 20000~27000        | -54.25          | PASS    |



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|       |       |      |       |       |             |        |      |
|-------|-------|------|-------|-------|-------------|--------|------|
| Band7 | 20MHz | QPSK | 21350 | 1RB#0 | 30~1000     | -59.01 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 1RB#0 | 1000~10000  | -48.71 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 1RB#0 | 10000~20000 | -56.38 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 1RB#0 | 20000~27000 | -54.30 | PASS |

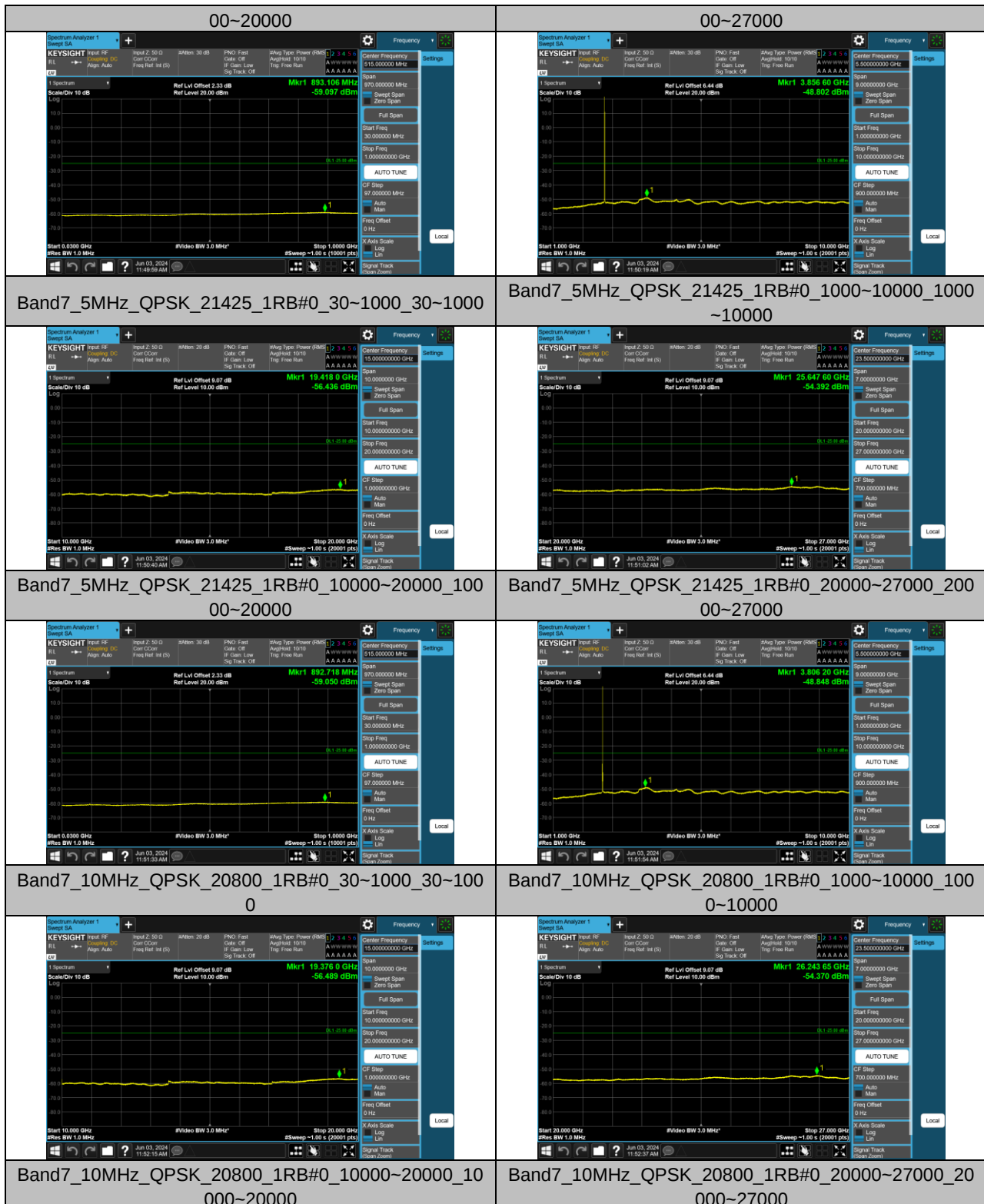
## TEST GRAPHS

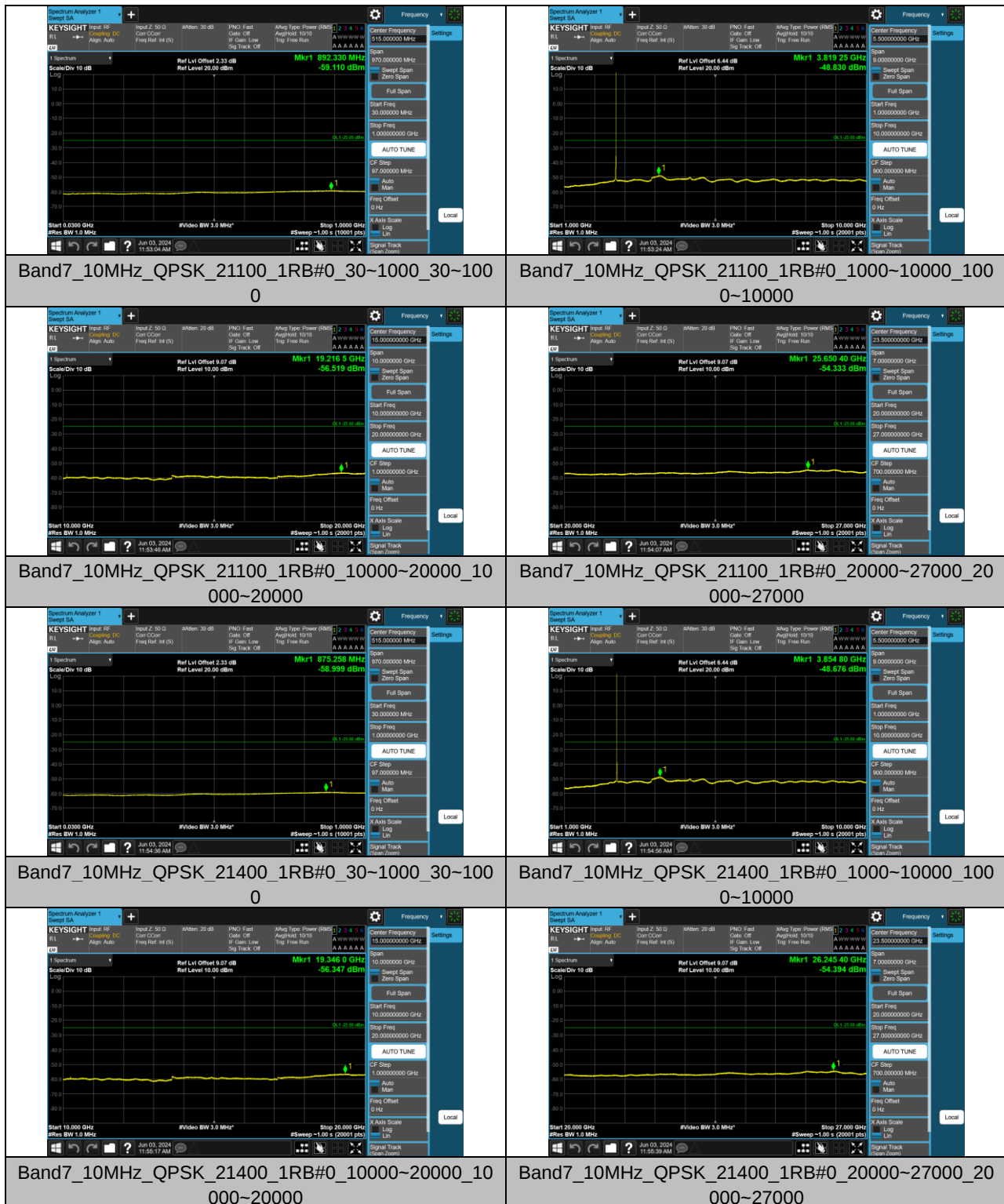


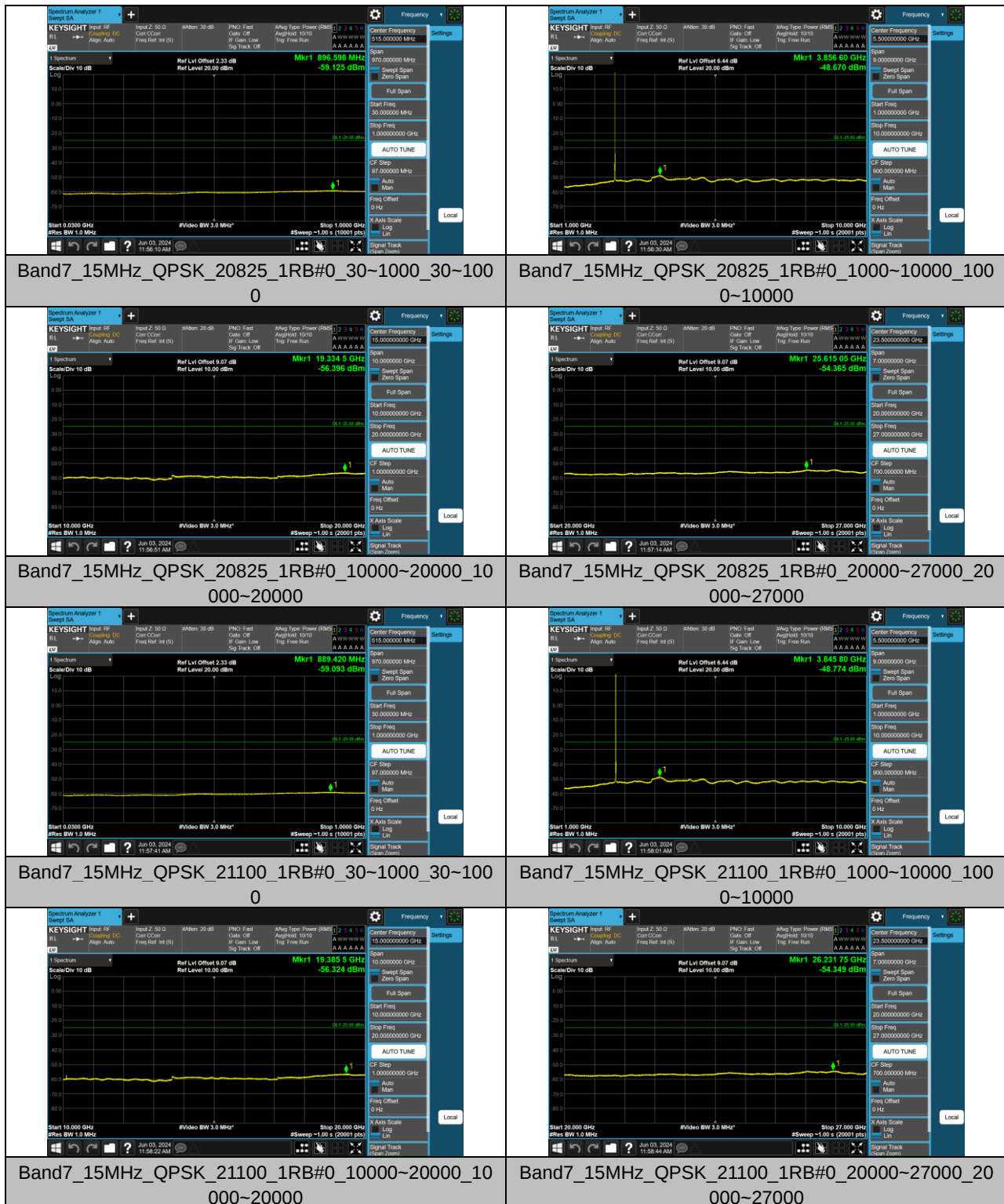


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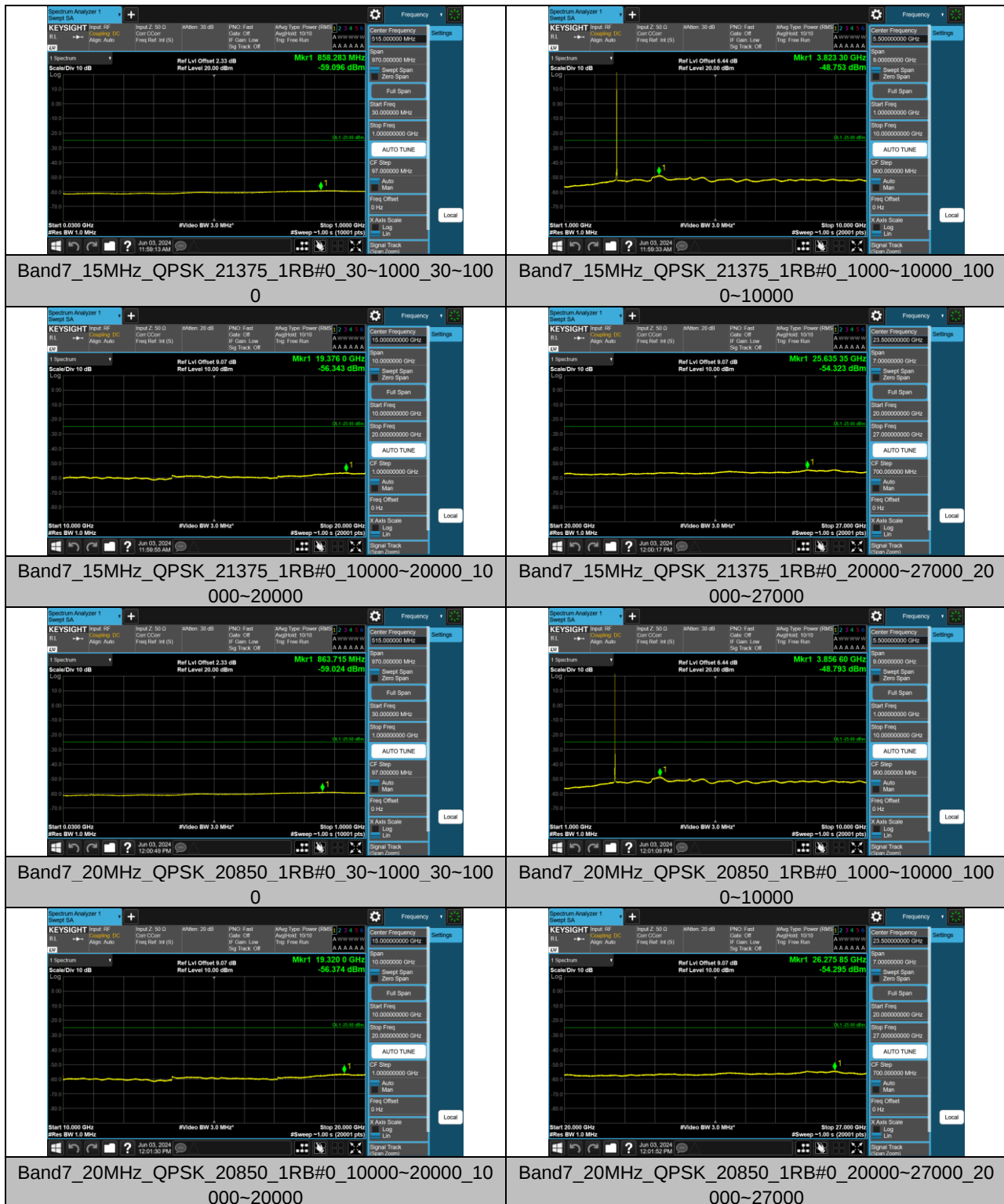


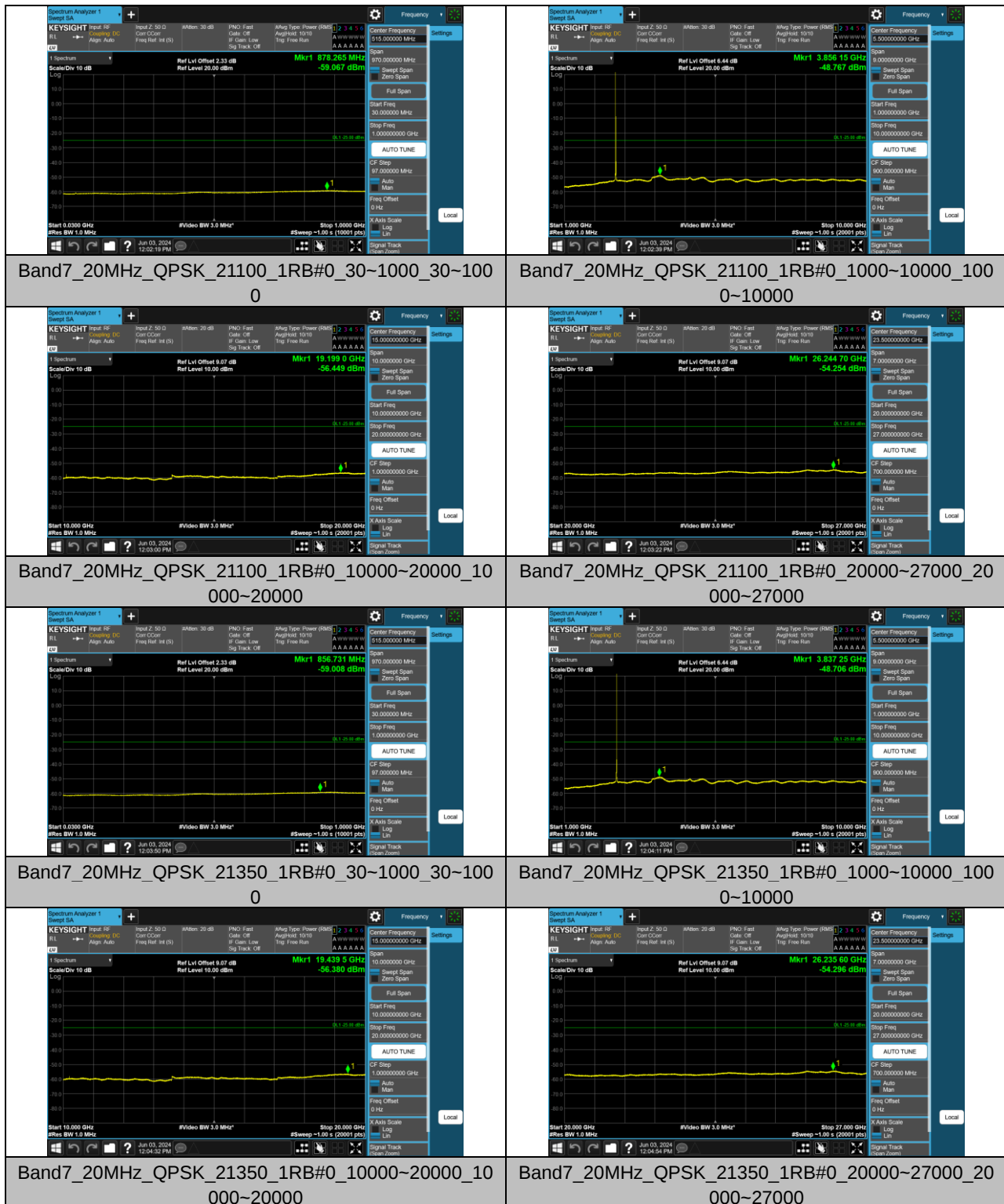






Reference No.: PSZ-NQN2412090319RF06





## FREQUENCY STABILITY TEST RESULT

| Voltage |           |            |         |                  |               |                  |                |                 |            |            |             |         |
|---------|-----------|------------|---------|------------------|---------------|------------------|----------------|-----------------|------------|------------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configuration | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | FL (MHz)   | FH (MHz)   | Limit (MHz) | Verdict |
| Band7   | 10MHz     | QPSK       | 20800   | 50RB #0          | VN            | NT               | 908.30         | 0.36            | 2500.5412  | --         | 2500-2570   | PASS    |
| Band7   | 10MHz     | QPSK       | 20800   | 50RB #0          | VL            | NT               | 915.44         | 0.37            | 2500.54464 | --         | 2500-2570   | PASS    |
| Band7   | 10MHz     | QPSK       | 20800   | 50RB #0          | VH            | NT               | 862.57         | 0.34            | 2500.53452 | --         | 2500-2570   | PASS    |
| Band7   | 10MHz     | QPSK       | 21400   | 50RB #0          | VN            | NT               | 904.47         | 0.35            | --         | 2569.47323 | 2500-2570   | PASS    |
| Band7   | 10MHz     | QPSK       | 21400   | 50RB #0          | VL            | NT               | 737.05         | 0.29            | --         | 2569.47094 | 2500-2570   | PASS    |
| Band7   | 10MHz     | QPSK       | 21400   | 50RB #0          | VH            | NT               | 489.80         | 0.19            | --         | 2569.46626 | 2500-2570   | PASS    |

| Temperature |           |            |         |                  |               |                  |                |                 |            |            |             |         |
|-------------|-----------|------------|---------|------------------|---------------|------------------|----------------|-----------------|------------|------------|-------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configuration | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | FL (MHz)   | FH (MHz)   | Limit (MHz) | Verdict |
| Band7       | 10MHz     | QPSK       | 20800   | 50RB #0          | NV            | -30              | 948.31         | 0.38            | 2500.53711 | --         | 2500-2570   | PASS    |
| Band7       | 10MHz     | QPSK       | 20800   | 50RB #0          | NV            | -20              | 948.89         | 0.38            | 2500.53757 | --         | 2500-2570   | PASS    |
| Band7       | 10MHz     | QPSK       | 20800   | 50RB #0          | NV            | 0                | 792.05         | 0.32            | 2500.5401  | --         | 2500-2570   | PASS    |
| Band7       | 10MHz     | QPSK       | 20800   | 50RB #0          | NV            | 10               | 754.28         | 0.30            | 2500.53716 | --         | 2500-2570   | PASS    |
| Band7       | 10MHz     | QPSK       | 20800   | 50RB #0          | NV            | 20               | 681.62         | 0.27            | 2500.53725 | --         | 2500-2570   | PASS    |
| Band7       | 10MHz     | QPSK       | 20800   | 50RB #0          | NV            | -10              | 532.94         | 0.21            | 2500.5431  | --         | 2500-2570   | PASS    |
| Band7       | 10MHz     | QPSK       | 20800   | 50RB #0          | NV            | 30               | 509.90         | 0.20            | 2500.53579 | --         | 2500-2570   | PASS    |
| Band7       | 10MHz     | QPSK       | 20800   | 50RB #0          | NV            | 40               | 478.48         | 0.19            | 2500.53544 | --         | 2500-2570   | PASS    |
| Band7       | 10MHz     | QPSK       | 20800   | 50RB #0          | NV            | 50               | 401.36         | 0.16            | 2500.53706 | --         | 2500-2570   | PASS    |
| Band7       | 10MHz     | QPSK       | 21400   | 50RB #0          | NV            | -20              | 929.10         | 0.36            | --         | 2569.44563 | 2500-2570   | PASS    |
| Band7       | 10MHz     | QPSK       | 21400   | 50RB #0          | NV            | -10              | 793.91         | 0.31            | --         | 2569.54664 | 2500-2570   | PASS    |
| Band7       | 10MHz     | QPSK       | 21400   | 50RB #0          | NV            | 0                | 679.44         | 0.27            | --         | 2569.48626 | 2500-2570   | PASS    |
| Band7       | 10MHz     | QPSK       | 21400   | 50RB #0          | NV            | 10               | 418.35         | 0.16            | --         | 2569.43653 | 2500-2570   | PASS    |
| Band7       | 10MHz     | QPSK       | 21400   | 50RB #0          | NV            | 20               | 268.4          | 0.10            | --         | 2569.      | 2500-       | PASS    |



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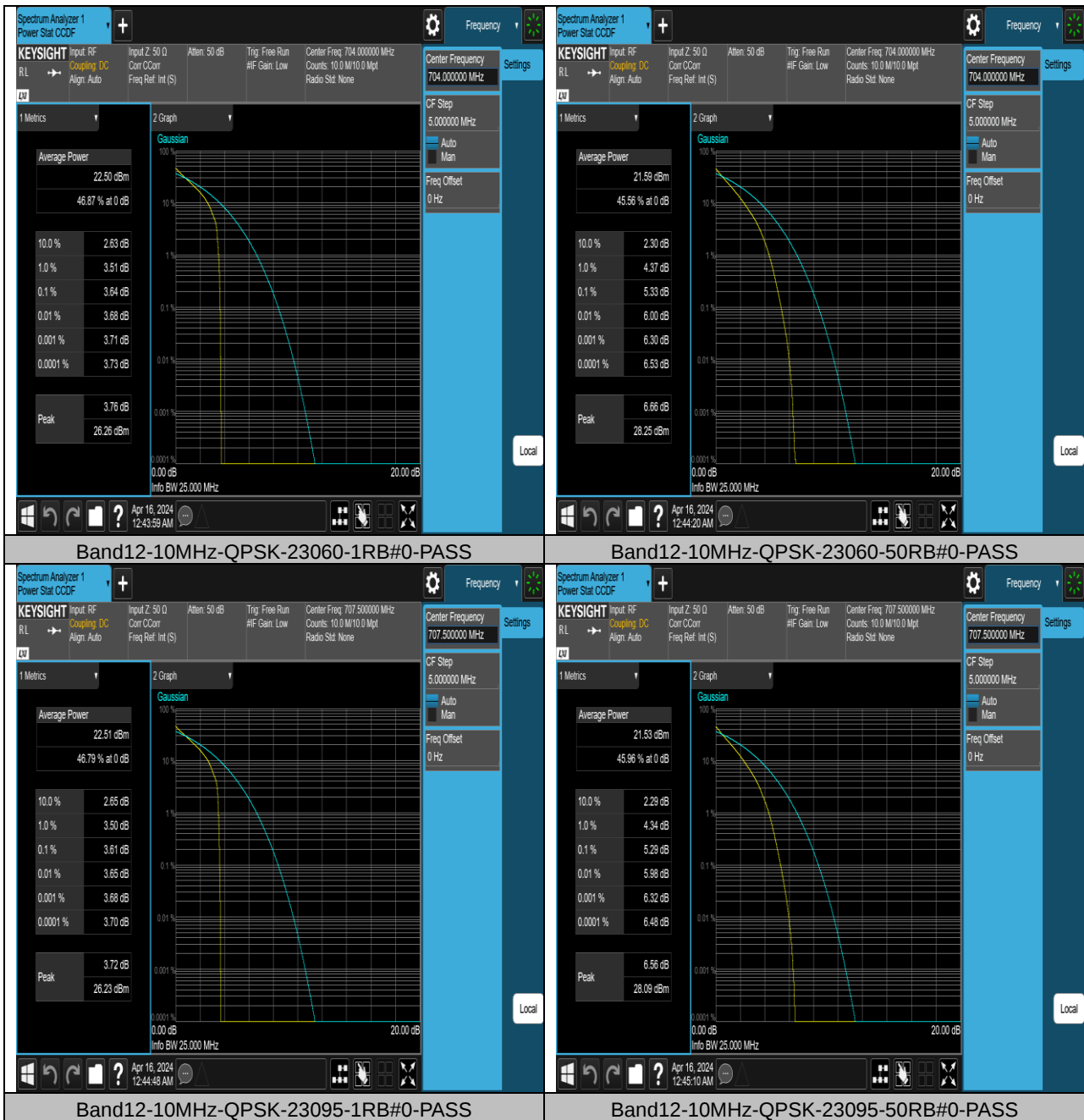
|       |           |      |       |            |    |     |             |       |    |                |               |      |
|-------|-----------|------|-------|------------|----|-----|-------------|-------|----|----------------|---------------|------|
|       | z         |      |       | #0         |    |     | 5           |       |    | 44534          | 2570          |      |
| Band7 | 10MH<br>z | QPSK | 21400 | 50RB<br>#0 | NV | 30  | 215.9<br>2  | 0.08  | -- | 2569.<br>67426 | 2500-<br>2570 | PASS |
| Band7 | 10MH<br>z | QPSK | 21400 | 50RB<br>#0 | NV | 40  | 88.04       | 0.03  | -- | 2569.<br>45323 | 2500-<br>2570 | PASS |
| Band7 | 10MH<br>z | QPSK | 21400 | 50RB<br>#0 | NV | 50  | -110.6<br>1 | -0.04 | -- | 2569.<br>75294 | 2500-<br>2570 | PASS |
| Band7 | 10MH<br>z | QPSK | 21400 | 50RB<br>#0 | NV | -30 | -335.0<br>3 | -0.13 | -- | 2569.<br>47122 | 2500-<br>2570 | PASS |

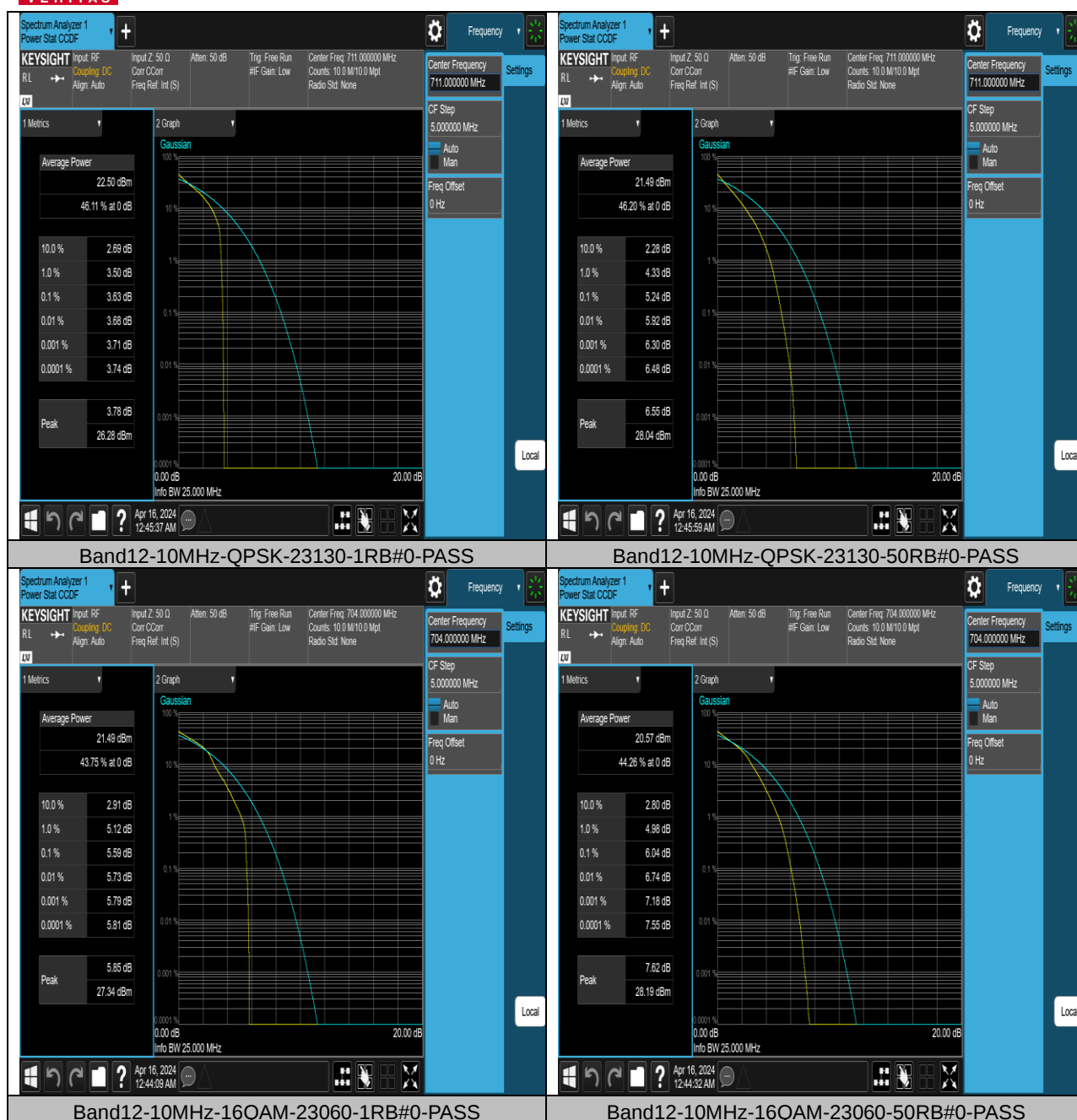
## LTE BAND12(INCLUDING B17)

### PEAK-TO-AVERAGE RATIO(CCDF) TEST RESULT

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band12 | 10MHz     | QPSK       | 23060   | 1RB#0            | 3.64       | 13        | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0           | 5.33       | 13        | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 1RB#0            | 3.61       | 13        | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0           | 5.29       | 13        | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 1RB#0            | 3.63       | 13        | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0           | 5.24       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 1RB#0            | 5.59       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 50RB#0           | 6.04       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23095   | 1RB#0            | 5.62       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23095   | 50RB#0           | 6.01       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23130   | 1RB#0            | 5.65       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23130   | 50RB#0           | 6.03       | 13        | PASS    |

## TEST GRAPHS

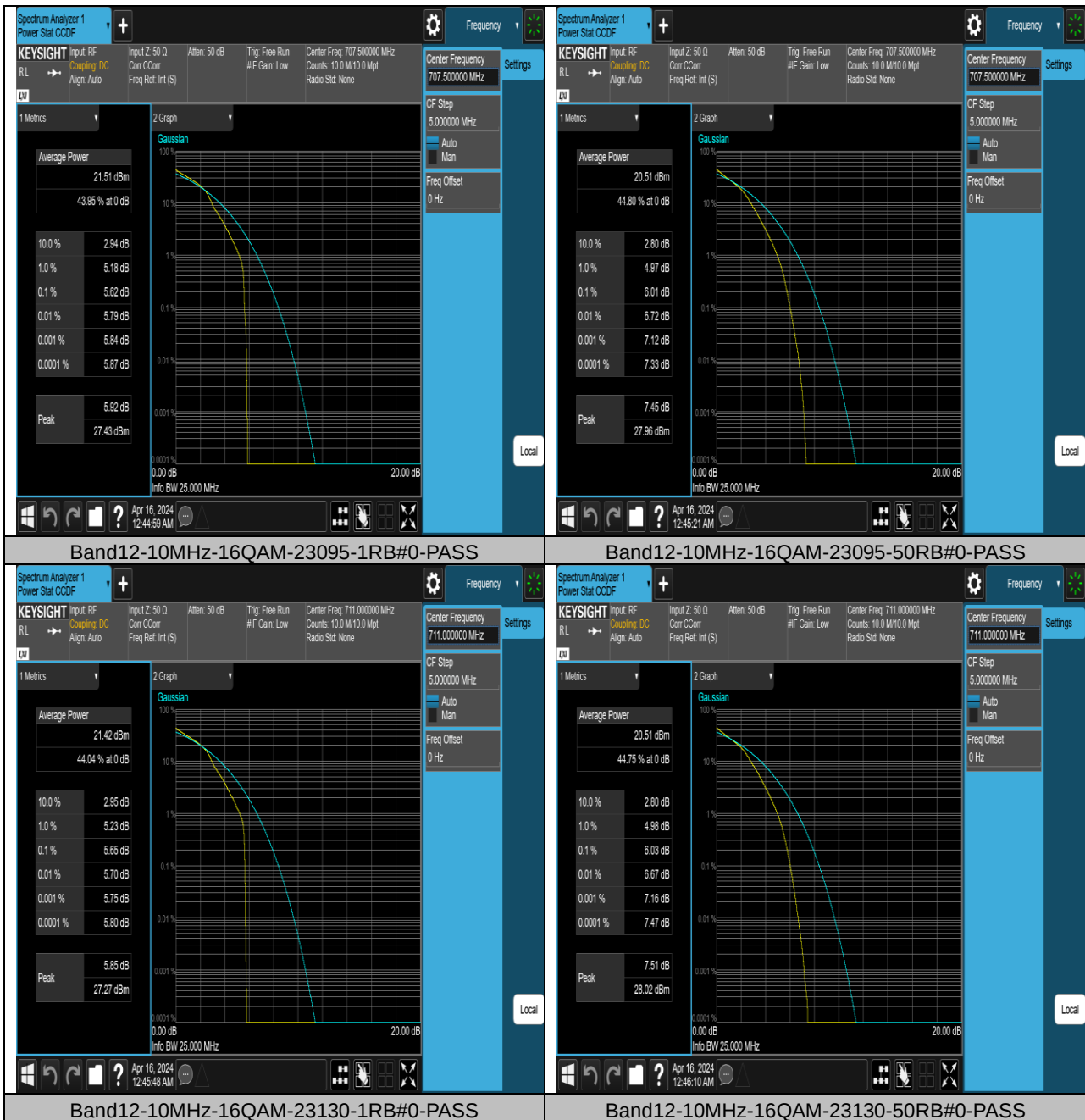






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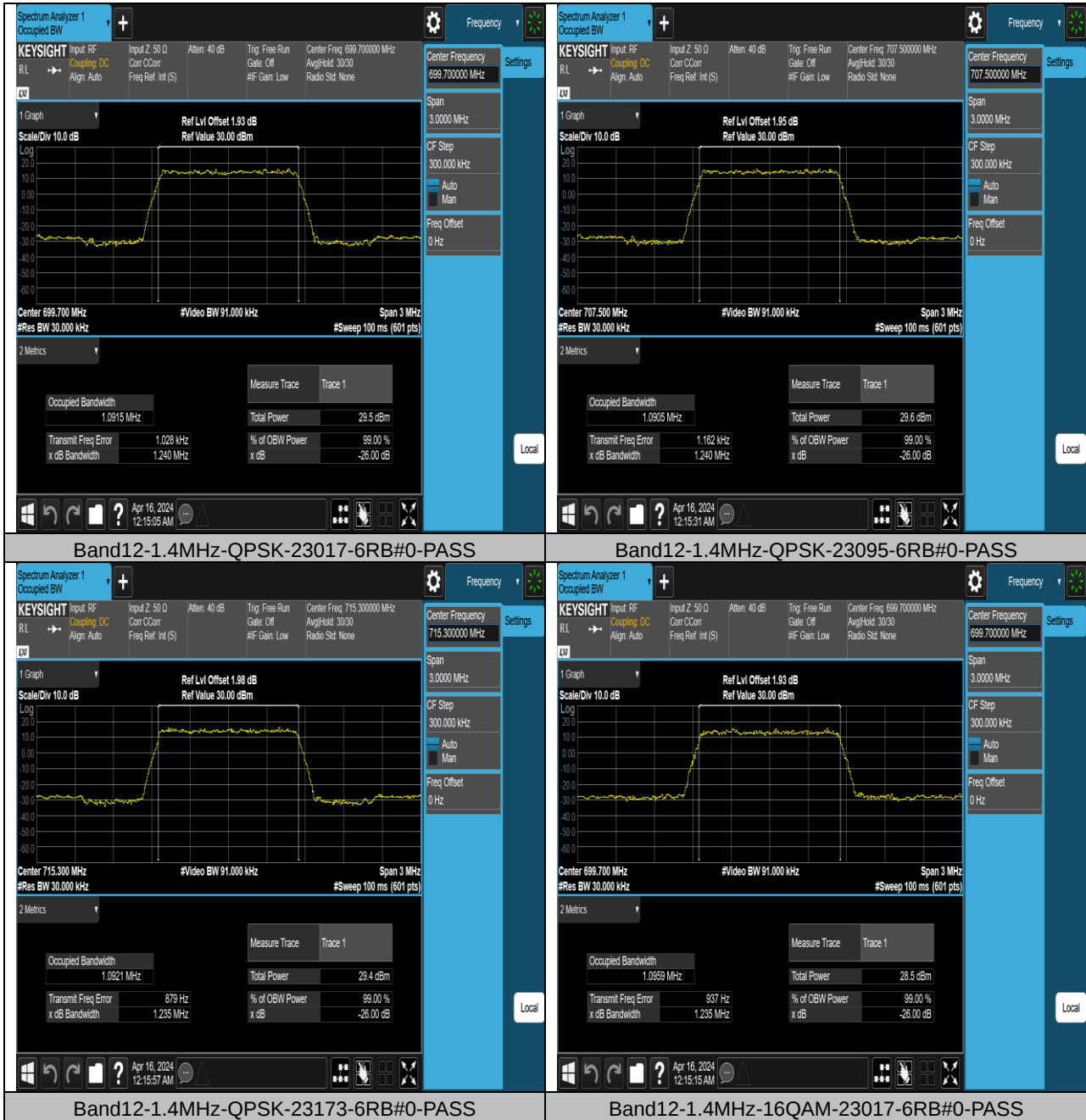
Reference No.: PSZ-NQN2412090319RF06



## 26DB BANDWIDTH AND OCCUPIED BANDWIDTH TEST RESULT

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied<br>Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------------|-------------------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | 1.0915                         | 1.240                   | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 6RB#0            | 1.0905                         | 1.240                   | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 6RB#0            | 1.0921                         | 1.235                   | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | 1.0959                         | 1.235                   | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 6RB#0            | 1.0974                         | 1.250                   | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 6RB#0            | 1.0817                         | 1.236                   | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 15RB#0           | 2.7002                         | 3.009                   | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 15RB#0           | 2.7014                         | 2.996                   | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 15RB#0           | 2.6972                         | 3.003                   | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 15RB#0           | 2.6985                         | 2.992                   | PASS    |
| Band12 | 3MHz      | 16QAM      | 23095   | 15RB#0           | 2.7012                         | 2.973                   | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 15RB#0           | 2.6938                         | 3.009                   | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 25RB#0           | 4.5368                         | 5.007                   | PASS    |
| Band12 | 5MHz      | QPSK       | 23095   | 25RB#0           | 4.5388                         | 4.995                   | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 25RB#0           | 4.4936                         | 4.959                   | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 25RB#0           | 4.5071                         | 4.979                   | PASS    |
| Band12 | 5MHz      | 16QAM      | 23095   | 25RB#0           | 4.5062                         | 4.985                   | PASS    |
| Band12 | 5MHz      | 16QAM      | 23155   | 25RB#0           | 4.4987                         | 4.973                   | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0           | 8.9866                         | 9.872                   | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0           | 8.9809                         | 9.902                   | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0           | 8.9619                         | 9.805                   | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 50RB#0           | 8.9854                         | 9.857                   | PASS    |
| Band12 | 10MHz     | 16QAM      | 23095   | 50RB#0           | 8.9741                         | 9.826                   | PASS    |
| Band12 | 10MHz     | 16QAM      | 23130   | 50RB#0           | 8.9898                         | 9.818                   | PASS    |

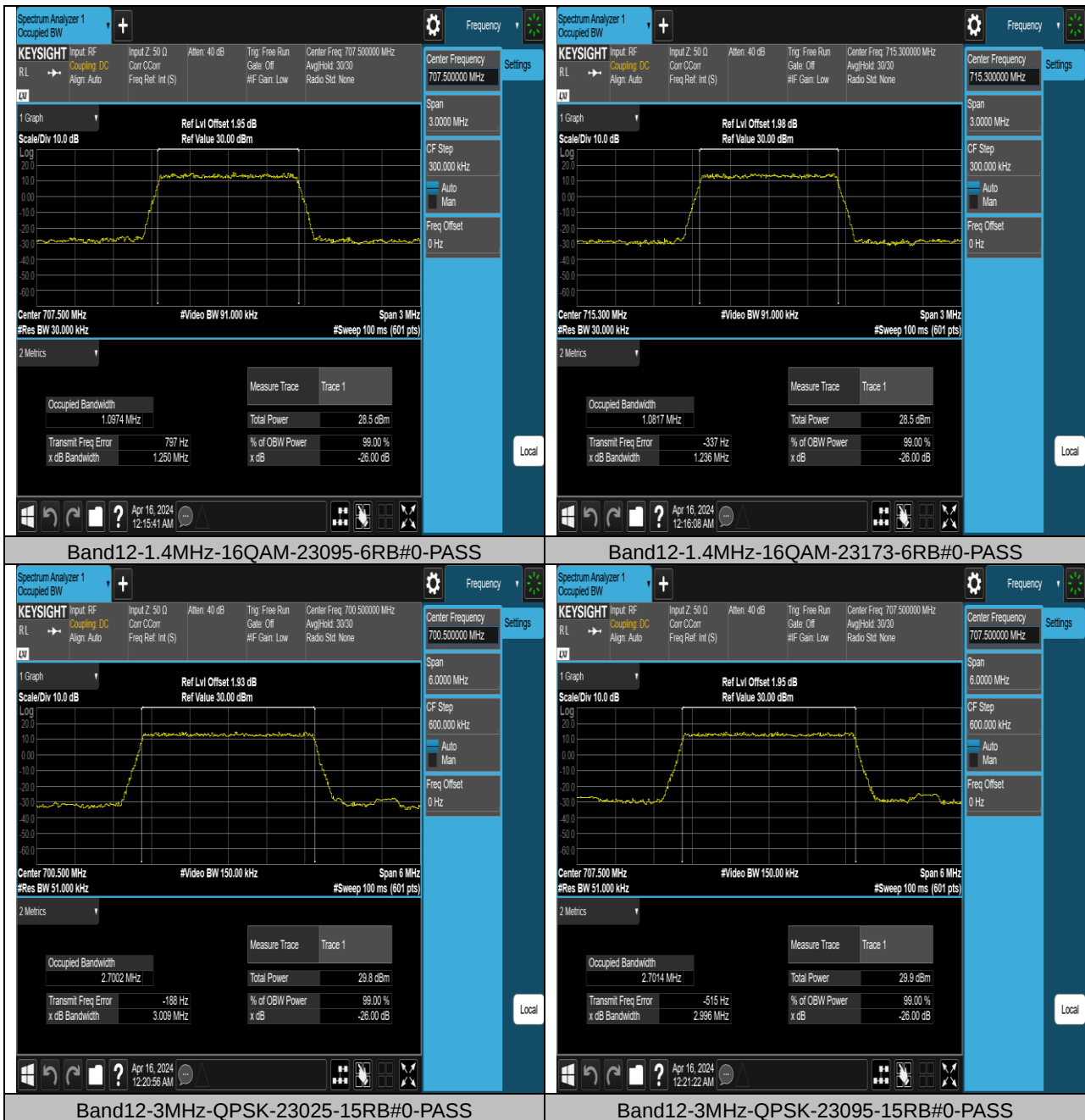
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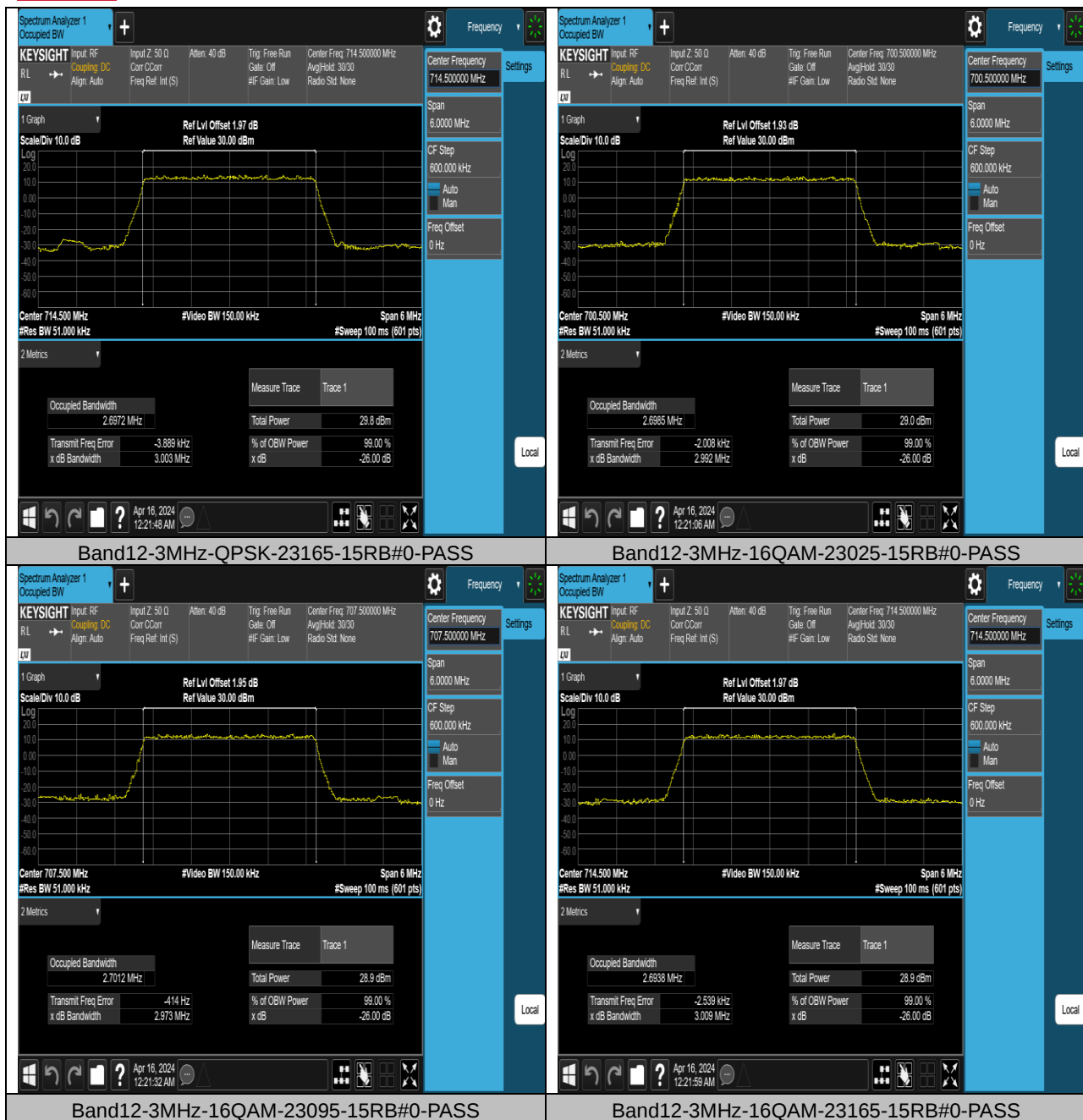
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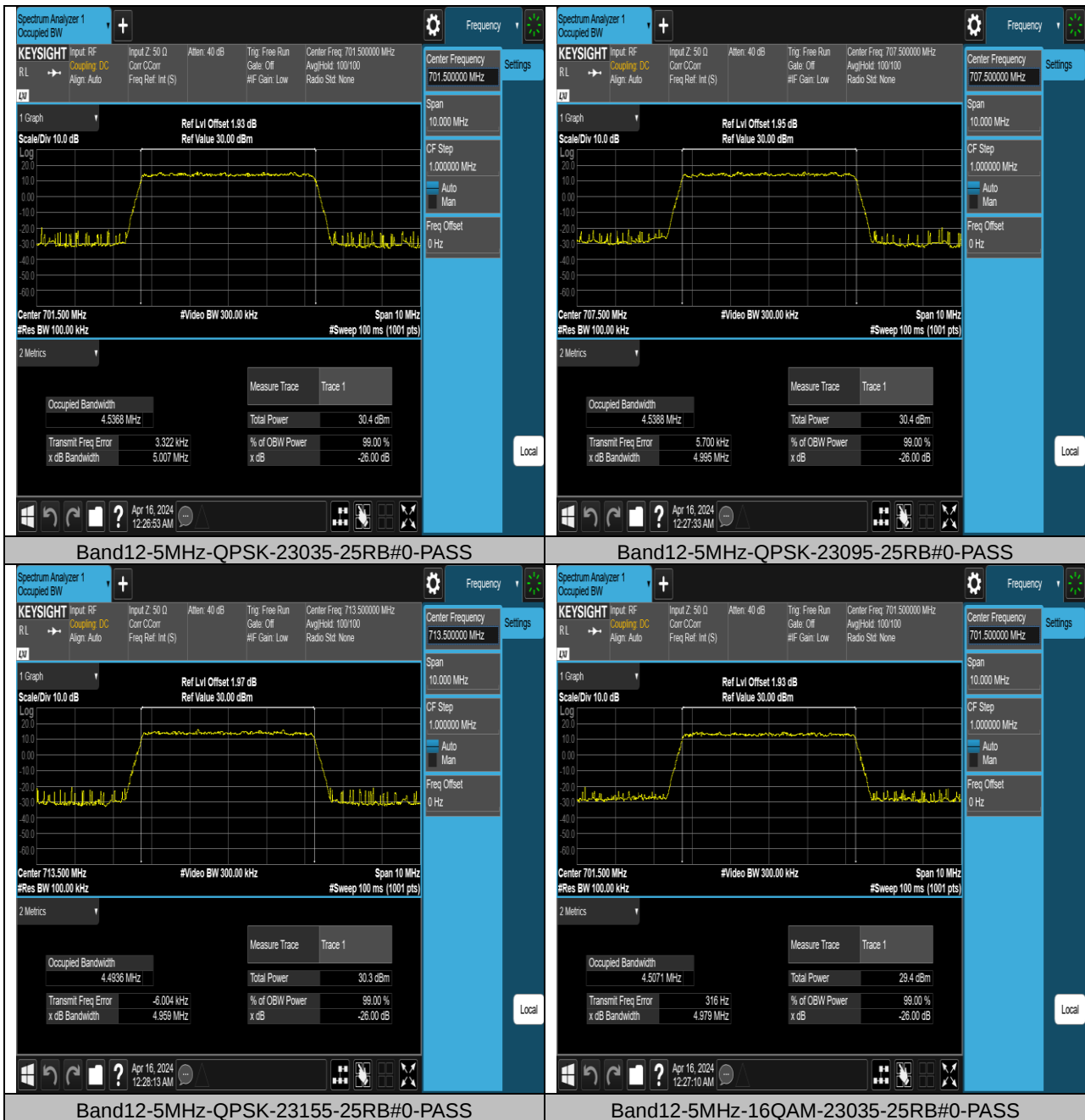
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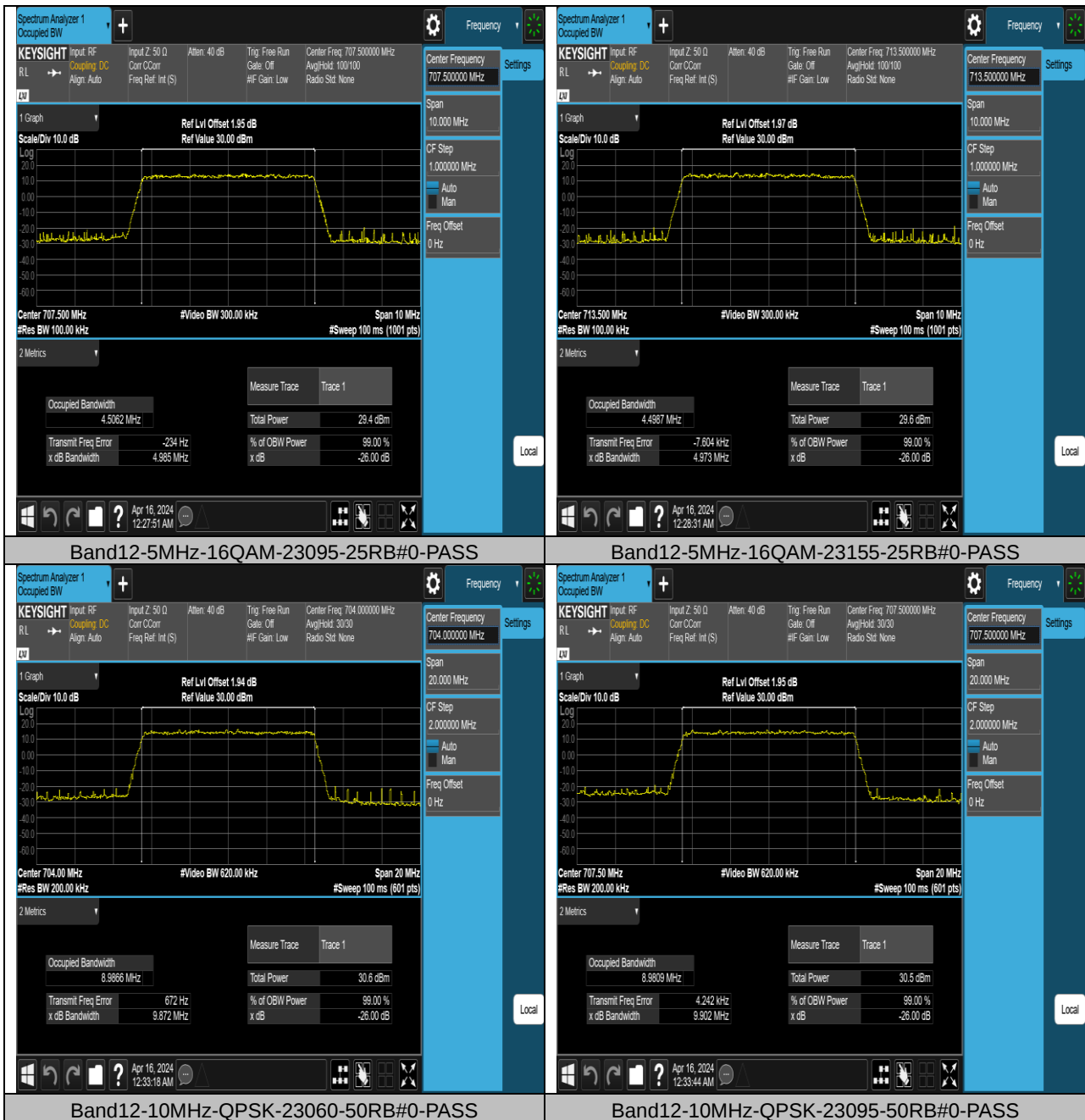
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## BAND EDGE TEST RESULT

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | -32.13      | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | -33.34      | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#5            | -32.94      | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 6RB#0            | -34.38      | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | -32.85      | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | -33.33      | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#5            | -31.87      | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 6RB#0            | -33.37      | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | -23.96      | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 15RB#0           | -32.26      | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 1RB#14           | -24.28      | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 15RB#0           | -31.67      | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 1RB#0            | -26.23      | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 15RB#0           | -32.60      | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 1RB#14           | -26.13      | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 15RB#0           | -31.69      | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 1RB#0            | -29.12      | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 25RB#0           | -36.95      | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 1RB#24           | -27.95      | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 25RB#0           | -37.48      | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 1RB#0            | -32.21      | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 25RB#0           | -38.68      | PASS    |
| Band12 | 5MHz      | 16QAM      | 23155   | 1RB#24           | -29.65      | PASS    |
| Band12 | 5MHz      | 16QAM      | 23155   | 25RB#0           | -37.58      | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 1RB#0            | -42.64      | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0           | -38.69      | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 1RB#49           | -42.02      | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0           | -39.51      | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 1RB#0            | -44.20      | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 50RB#0           | -38.00      | PASS    |
| Band12 | 10MHz     | 16QAM      | 23130   | 1RB#49           | -43.64      | PASS    |
| Band12 | 10MHz     | 16QAM      | 23130   | 50RB#0           | -38.74      | PASS    |



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## TEST GRAPHS

