

# Appendix-D LTE Band 48

## Effective (Isotropic) Radiated Power Output Data

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result (dBm) | EIRP (dBm) |
|--------|-----------|------------|---------|------------------|--------------|------------|
| Band48 | 5MHz      | QPSK       | 55265   | 1RB#0            | 17.13        | 19.12      |
| Band48 | 5MHz      | QPSK       | 55265   | 1RB#12           | 17.23        | 19.22      |
| Band48 | 5MHz      | QPSK       | 55265   | 1RB#24           | 17.29        | 19.28      |
| Band48 | 5MHz      | QPSK       | 55265   | 25RB#0           | 16.08        | 18.07      |
| Band48 | 5MHz      | 16QAM      | 55265   | 1RB#0            | 16.38        | 18.37      |
| Band48 | 5MHz      | 16QAM      | 55265   | 1RB#12           | 16.48        | 18.47      |
| Band48 | 5MHz      | 16QAM      | 55265   | 1RB#24           | 16.55        | 18.54      |
| Band48 | 5MHz      | 16QAM      | 55265   | 25RB#0           | 15.02        | 17.01      |
| Band48 | 5MHz      | 64QAM      | 55265   | 1RB#0            | 15.05        | 17.04      |
| Band48 | 5MHz      | 64QAM      | 55265   | 1RB#12           | 15.14        | 17.13      |
| Band48 | 5MHz      | 64QAM      | 55265   | 1RB#24           | 15.22        | 17.21      |
| Band48 | 5MHz      | 64QAM      | 55265   | 25RB#0           | 13.96        | 15.95      |
| Band48 | 5MHz      | 256QAM     | 55265   | 1RB#0            | 12.15        | 14.14      |
| Band48 | 5MHz      | 256QAM     | 55265   | 1RB#12           | 12.28        | 14.27      |
| Band48 | 5MHz      | 256QAM     | 55265   | 1RB#24           | 12.3         | 14.29      |
| Band48 | 5MHz      | 256QAM     | 55265   | 25RB#0           | 12.26        | 14.25      |
| Band48 | 5MHz      | QPSK       | 55990   | 1RB#0            | 17.27        | 19.26      |
| Band48 | 5MHz      | QPSK       | 55990   | 1RB#12           | 17.27        | 19.26      |
| Band48 | 5MHz      | QPSK       | 55990   | 1RB#24           | 17.25        | 19.24      |
| Band48 | 5MHz      | QPSK       | 55990   | 25RB#0           | 15.83        | 17.82      |
| Band48 | 5MHz      | 16QAM      | 55990   | 1RB#0            | 16.1         | 18.09      |
| Band48 | 5MHz      | 16QAM      | 55990   | 1RB#12           | 16.14        | 18.13      |
| Band48 | 5MHz      | 16QAM      | 55990   | 1RB#24           | 16.07        | 18.06      |
| Band48 | 5MHz      | 16QAM      | 55990   | 25RB#0           | 14.83        | 16.82      |
| Band48 | 5MHz      | 64QAM      | 55990   | 1RB#0            | 14.75        | 16.74      |
| Band48 | 5MHz      | 64QAM      | 55990   | 1RB#12           | 14.78        | 16.77      |
| Band48 | 5MHz      | 64QAM      | 55990   | 1RB#24           | 14.73        | 16.72      |
| Band48 | 5MHz      | 64QAM      | 55990   | 25RB#0           | 13.8         | 15.79      |
| Band48 | 5MHz      | 256QAM     | 55990   | 1RB#0            | 11.91        | 13.9       |
| Band48 | 5MHz      | 256QAM     | 55990   | 1RB#12           | 11.86        | 13.85      |
| Band48 | 5MHz      | 256QAM     | 55990   | 1RB#24           | 11.84        | 13.83      |
| Band48 | 5MHz      | 256QAM     | 55990   | 25RB#0           | 11.9         | 13.89      |
| Band48 | 5MHz      | QPSK       | 56715   | 1RB#0            | 17.81        | 19.8       |
| Band48 | 5MHz      | QPSK       | 56715   | 1RB#12           | 17.82        | 19.81      |
| Band48 | 5MHz      | QPSK       | 56715   | 1RB#24           | 17.77        | 19.76      |
| Band48 | 5MHz      | QPSK       | 56715   | 25RB#0           | 16.81        | 18.8       |

|        |       |        |       |        |       |       |
|--------|-------|--------|-------|--------|-------|-------|
| Band48 | 5MHz  | 16QAM  | 56715 | 1RB#0  | 16.97 | 18.96 |
| Band48 | 5MHz  | 16QAM  | 56715 | 1RB#12 | 17.04 | 19.03 |
| Band48 | 5MHz  | 16QAM  | 56715 | 1RB#24 | 17.05 | 19.04 |
| Band48 | 5MHz  | 16QAM  | 56715 | 25RB#0 | 15.84 | 17.83 |
| Band48 | 5MHz  | 64QAM  | 56715 | 1RB#0  | 15.72 | 17.71 |
| Band48 | 5MHz  | 64QAM  | 56715 | 1RB#12 | 15.79 | 17.78 |
| Band48 | 5MHz  | 64QAM  | 56715 | 1RB#24 | 15.75 | 17.74 |
| Band48 | 5MHz  | 64QAM  | 56715 | 25RB#0 | 14.8  | 16.79 |
| Band48 | 5MHz  | 256QAM | 56715 | 1RB#0  | 12.51 | 14.5  |
| Band48 | 5MHz  | 256QAM | 56715 | 1RB#12 | 12.79 | 14.78 |
| Band48 | 5MHz  | 256QAM | 56715 | 1RB#24 | 12.82 | 14.81 |
| Band48 | 5MHz  | 256QAM | 56715 | 25RB#0 | 12.88 | 14.87 |
| Band48 | 10MHz | QPSK   | 55290 | 1RB#0  | 17.13 | 19.12 |
| Band48 | 10MHz | QPSK   | 55290 | 1RB#24 | 17.33 | 19.32 |
| Band48 | 10MHz | QPSK   | 55290 | 1RB#49 | 17.35 | 19.34 |
| Band48 | 10MHz | QPSK   | 55290 | 50RB#0 | 15.95 | 17.94 |
| Band48 | 10MHz | 16QAM  | 55290 | 1RB#0  | 16.37 | 18.36 |
| Band48 | 10MHz | 16QAM  | 55290 | 1RB#24 | 16.66 | 18.65 |
| Band48 | 10MHz | 16QAM  | 55290 | 1RB#49 | 16.65 | 18.64 |
| Band48 | 10MHz | 16QAM  | 55290 | 50RB#0 | 15.13 | 17.12 |
| Band48 | 10MHz | 64QAM  | 55290 | 1RB#0  | 15.01 | 17    |
| Band48 | 10MHz | 64QAM  | 55290 | 1RB#24 | 15.02 | 17.01 |
| Band48 | 10MHz | 64QAM  | 55290 | 1RB#49 | 14.92 | 16.91 |
| Band48 | 10MHz | 64QAM  | 55290 | 50RB#0 | 13.94 | 15.93 |
| Band48 | 10MHz | 256QAM | 55290 | 1RB#0  | 12.13 | 14.12 |
| Band48 | 10MHz | 256QAM | 55290 | 1RB#24 | 12.32 | 14.31 |
| Band48 | 10MHz | 256QAM | 55290 | 1RB#49 | 12.36 | 14.35 |
| Band48 | 10MHz | 256QAM | 55290 | 50RB#0 | 12.35 | 14.34 |
| Band48 | 10MHz | QPSK   | 55990 | 1RB#0  | 17.17 | 19.16 |
| Band48 | 10MHz | QPSK   | 55990 | 1RB#24 | 17.24 | 19.23 |
| Band48 | 10MHz | QPSK   | 55990 | 1RB#49 | 17.23 | 19.22 |
| Band48 | 10MHz | QPSK   | 55990 | 50RB#0 | 15.85 | 17.84 |
| Band48 | 10MHz | 16QAM  | 55990 | 1RB#0  | 16.02 | 18.01 |
| Band48 | 10MHz | 16QAM  | 55990 | 1RB#24 | 16.12 | 18.11 |
| Band48 | 10MHz | 16QAM  | 55990 | 1RB#49 | 16.09 | 18.08 |
| Band48 | 10MHz | 16QAM  | 55990 | 50RB#0 | 14.87 | 16.86 |
| Band48 | 10MHz | 64QAM  | 55990 | 1RB#0  | 14.74 | 16.73 |
| Band48 | 10MHz | 64QAM  | 55990 | 1RB#24 | 14.8  | 16.79 |
| Band48 | 10MHz | 64QAM  | 55990 | 1RB#49 | 14.76 | 16.75 |
| Band48 | 10MHz | 64QAM  | 55990 | 50RB#0 | 13.77 | 15.76 |
| Band48 | 10MHz | 256QAM | 55990 | 1RB#0  | 11.87 | 13.86 |
| Band48 | 10MHz | 256QAM | 55990 | 1RB#24 | 11.81 | 13.8  |
| Band48 | 10MHz | 256QAM | 55990 | 1RB#49 | 11.83 | 13.82 |
| Band48 | 10MHz | 256QAM | 55990 | 50RB#0 | 11.92 | 13.91 |

|        |       |        |       |        |       |       |
|--------|-------|--------|-------|--------|-------|-------|
| Band48 | 10MHz | QPSK   | 56690 | 1RB#0  | 17.57 | 19.56 |
| Band48 | 10MHz | QPSK   | 56690 | 1RB#24 | 17.84 | 19.83 |
| Band48 | 10MHz | QPSK   | 56690 | 1RB#49 | 17.82 | 19.81 |
| Band48 | 10MHz | QPSK   | 56690 | 50RB#0 | 16.74 | 18.73 |
| Band48 | 10MHz | 16QAM  | 56690 | 1RB#0  | 16.82 | 18.81 |
| Band48 | 10MHz | 16QAM  | 56690 | 1RB#24 | 17.06 | 19.05 |
| Band48 | 10MHz | 16QAM  | 56690 | 1RB#49 | 17.08 | 19.07 |
| Band48 | 10MHz | 16QAM  | 56690 | 50RB#0 | 15.81 | 17.8  |
| Band48 | 10MHz | 64QAM  | 56690 | 1RB#0  | 15.53 | 17.52 |
| Band48 | 10MHz | 64QAM  | 56690 | 1RB#24 | 15.7  | 17.69 |
| Band48 | 10MHz | 64QAM  | 56690 | 1RB#49 | 15.75 | 17.74 |
| Band48 | 10MHz | 64QAM  | 56690 | 50RB#0 | 14.66 | 16.65 |
| Band48 | 10MHz | 256QAM | 56690 | 1RB#0  | 12.87 | 14.86 |
| Band48 | 10MHz | 256QAM | 56690 | 1RB#24 | 12.79 | 14.78 |
| Band48 | 10MHz | 256QAM | 56690 | 1RB#49 | 12.81 | 14.8  |
| Band48 | 10MHz | 256QAM | 56690 | 50RB#0 | 12.81 | 14.8  |
| Band48 | 15MHz | QPSK   | 55315 | 1RB#0  | 17.42 | 19.41 |
| Band48 | 15MHz | QPSK   | 55315 | 1RB#38 | 17.31 | 19.3  |
| Band48 | 15MHz | QPSK   | 55315 | 1RB#74 | 17.22 | 19.21 |
| Band48 | 15MHz | QPSK   | 55315 | 75RB#0 | 16.34 | 18.33 |
| Band48 | 15MHz | 16QAM  | 55315 | 1RB#0  | 16.27 | 18.26 |
| Band48 | 15MHz | 16QAM  | 55315 | 1RB#38 | 16.63 | 18.62 |
| Band48 | 15MHz | 16QAM  | 55315 | 1RB#74 | 16.47 | 18.46 |
| Band48 | 15MHz | 16QAM  | 55315 | 75RB#0 | 15.32 | 17.31 |
| Band48 | 15MHz | 256QAM | 55315 | 1RB#0  | 12.04 | 14.03 |
| Band48 | 15MHz | 256QAM | 55315 | 1RB#38 | 12.31 | 14.3  |
| Band48 | 15MHz | 256QAM | 55315 | 1RB#74 | 12.34 | 14.33 |
| Band48 | 15MHz | 256QAM | 55315 | 75RB#0 | 12.38 | 14.37 |
| Band48 | 15MHz | QPSK   | 55990 | 1RB#0  | 17.27 | 19.26 |
| Band48 | 15MHz | QPSK   | 55990 | 1RB#38 | 17.11 | 19.1  |
| Band48 | 15MHz | QPSK   | 55990 | 1RB#74 | 17.22 | 19.21 |
| Band48 | 15MHz | QPSK   | 55990 | 75RB#0 | 14.2  | 16.19 |
| Band48 | 15MHz | 16QAM  | 55990 | 1RB#0  | 16.35 | 18.34 |
| Band48 | 15MHz | 16QAM  | 55990 | 1RB#38 | 16.41 | 18.4  |
| Band48 | 15MHz | 16QAM  | 55990 | 1RB#74 | 16.38 | 18.37 |
| Band48 | 15MHz | 16QAM  | 55990 | 75RB#0 | 15.85 | 17.84 |
| Band48 | 15MHz | 256QAM | 55990 | 1RB#0  | 11.91 | 13.9  |
| Band48 | 15MHz | 256QAM | 55990 | 1RB#38 | 11.83 | 13.82 |
| Band48 | 15MHz | 256QAM | 55990 | 1RB#74 | 11.85 | 13.84 |
| Band48 | 15MHz | 256QAM | 55990 | 75RB#0 | 11.88 | 13.87 |
| Band48 | 15MHz | QPSK   | 56665 | 1RB#0  | 17.32 | 19.31 |
| Band48 | 15MHz | QPSK   | 56665 | 1RB#38 | 17.15 | 19.14 |
| Band48 | 15MHz | QPSK   | 56665 | 1RB#74 | 17.23 | 19.22 |
| Band48 | 15MHz | QPSK   | 56665 | 75RB#0 | 14.82 | 16.81 |

|        |       |        |       |         |       |       |
|--------|-------|--------|-------|---------|-------|-------|
| Band48 | 15MHz | 16QAM  | 56665 | 1RB#0   | 16.67 | 18.66 |
| Band48 | 15MHz | 16QAM  | 56665 | 1RB#38  | 16.72 | 18.71 |
| Band48 | 15MHz | 16QAM  | 56665 | 1RB#74  | 16.67 | 18.66 |
| Band48 | 15MHz | 16QAM  | 56665 | 75RB#0  | 13.7  | 15.69 |
| Band48 | 15MHz | 256QAM | 56665 | 1RB#0   | 12.46 | 14.45 |
| Band48 | 15MHz | 256QAM | 56665 | 1RB#38  | 12.69 | 14.68 |
| Band48 | 15MHz | 256QAM | 56665 | 1RB#74  | 12.77 | 14.76 |
| Band48 | 15MHz | 256QAM | 56665 | 75RB#0  | 12.71 | 14.7  |
| Band48 | 20MHz | QPSK   | 55340 | 1RB#0   | 17.26 | 19.25 |
| Band48 | 20MHz | QPSK   | 55340 | 1RB#49  | 17.33 | 19.32 |
| Band48 | 20MHz | QPSK   | 55340 | 1RB#99  | 17.28 | 19.27 |
| Band48 | 20MHz | QPSK   | 55340 | 100RB#0 | 16.01 | 18    |
| Band48 | 20MHz | 16QAM  | 55340 | 1RB#0   | 16.5  | 18.49 |
| Band48 | 20MHz | 16QAM  | 55340 | 1RB#49  | 16.46 | 18.45 |
| Band48 | 20MHz | 16QAM  | 55340 | 1RB#99  | 16.36 | 18.35 |
| Band48 | 20MHz | 16QAM  | 55340 | 100RB#0 | 14.98 | 16.97 |
| Band48 | 20MHz | 64QAM  | 55340 | 1RB#0   | 14.87 | 16.86 |
| Band48 | 20MHz | 64QAM  | 55340 | 1RB#49  | 14.84 | 16.83 |
| Band48 | 20MHz | 64QAM  | 55340 | 1RB#99  | 14.83 | 16.82 |
| Band48 | 20MHz | 64QAM  | 55340 | 100RB#0 | 13.85 | 15.84 |
| Band48 | 20MHz | 256QAM | 55340 | 1RB#0   | 12.07 | 14.06 |
| Band48 | 20MHz | 256QAM | 55340 | 1RB#49  | 12.37 | 14.36 |
| Band48 | 20MHz | 256QAM | 55340 | 1RB#99  | 12.05 | 14.04 |
| Band48 | 20MHz | 256QAM | 55340 | 100RB#0 | 12.13 | 14.12 |
| Band48 | 20MHz | QPSK   | 55990 | 1RB#0   | 17.11 | 19.1  |
| Band48 | 20MHz | QPSK   | 55990 | 1RB#49  | 17.23 | 19.22 |
| Band48 | 20MHz | QPSK   | 55990 | 1RB#99  | 17.16 | 19.15 |
| Band48 | 20MHz | QPSK   | 55990 | 100RB#0 | 16.12 | 18.11 |
| Band48 | 20MHz | 16QAM  | 55990 | 1RB#0   | 16.21 | 18.2  |
| Band48 | 20MHz | 16QAM  | 55990 | 1RB#49  | 16.66 | 18.65 |
| Band48 | 20MHz | 16QAM  | 55990 | 1RB#99  | 16.26 | 18.25 |
| Band48 | 20MHz | 16QAM  | 55990 | 100RB#0 | 15.01 | 17    |
| Band48 | 20MHz | 64QAM  | 55990 | 1RB#0   | 14.91 | 16.9  |
| Band48 | 20MHz | 64QAM  | 55990 | 1RB#49  | 14.81 | 16.8  |
| Band48 | 20MHz | 64QAM  | 55990 | 1RB#99  | 14.94 | 16.93 |
| Band48 | 20MHz | 64QAM  | 55990 | 100RB#0 | 13.91 | 15.9  |
| Band48 | 20MHz | 256QAM | 55990 | 1RB#0   | 11.94 | 13.93 |
| Band48 | 20MHz | 256QAM | 55990 | 1RB#49  | 11.81 | 13.8  |
| Band48 | 20MHz | 256QAM | 55990 | 1RB#99  | 11.78 | 13.77 |
| Band48 | 20MHz | 256QAM | 55990 | 100RB#0 | 11.86 | 13.85 |
| Band48 | 20MHz | QPSK   | 56640 | 1RB#0   | 17.65 | 19.64 |
| Band48 | 20MHz | QPSK   | 56640 | 1RB#49  | 17.73 | 19.72 |
| Band48 | 20MHz | QPSK   | 56640 | 1RB#99  | 17.68 | 19.67 |
| Band48 | 20MHz | QPSK   | 56640 | 100RB#0 | 16.81 | 18.8  |

|        |       |        |       |         |       |       |
|--------|-------|--------|-------|---------|-------|-------|
| Band48 | 20MHz | 16QAM  | 56640 | 1RB#0   | 16.89 | 18.88 |
| Band48 | 20MHz | 16QAM  | 56640 | 1RB#49  | 17.09 | 19.08 |
| Band48 | 20MHz | 16QAM  | 56640 | 1RB#99  | 16.94 | 18.93 |
| Band48 | 20MHz | 16QAM  | 56640 | 100RB#0 | 15.73 | 17.72 |
| Band48 | 20MHz | 64QAM  | 56640 | 1RB#0   | 15.32 | 17.31 |
| Band48 | 20MHz | 64QAM  | 56640 | 1RB#49  | 15.28 | 17.27 |
| Band48 | 20MHz | 64QAM  | 56640 | 1RB#99  | 15.36 | 17.35 |
| Band48 | 20MHz | 64QAM  | 56640 | 100RB#0 | 14.74 | 16.73 |
| Band48 | 20MHz | 256QAM | 56640 | 1RB#0   | 12.86 | 14.85 |
| Band48 | 20MHz | 256QAM | 56640 | 1RB#49  | 12.61 | 14.6  |
| Band48 | 20MHz | 256QAM | 56640 | 1RB#99  | 12.76 | 14.75 |
| Band48 | 20MHz | 256QAM | 56640 | 100RB#0 | 12.55 | 14.54 |

## Maximum\_power\_spectral\_density

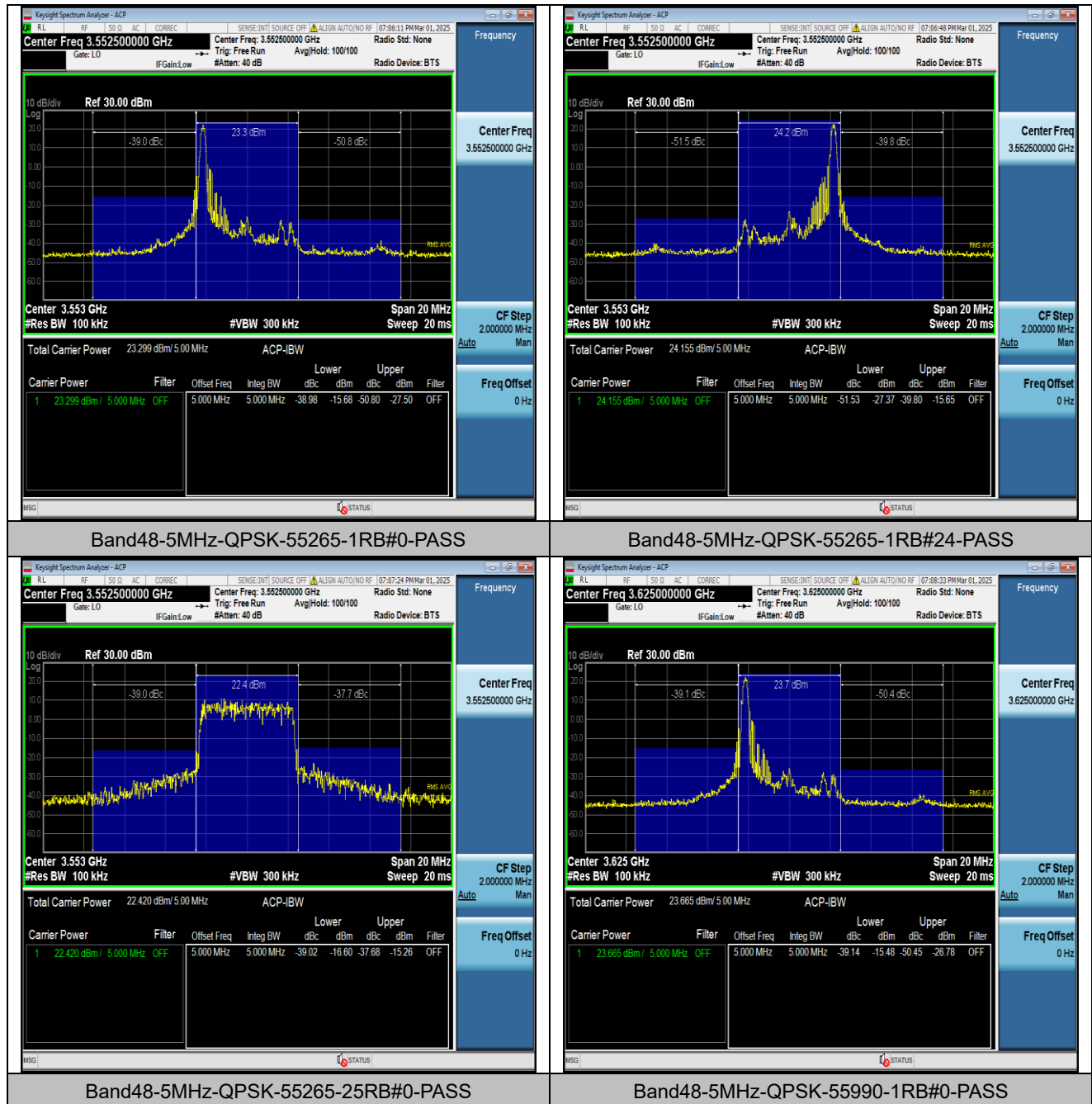
### Test Result

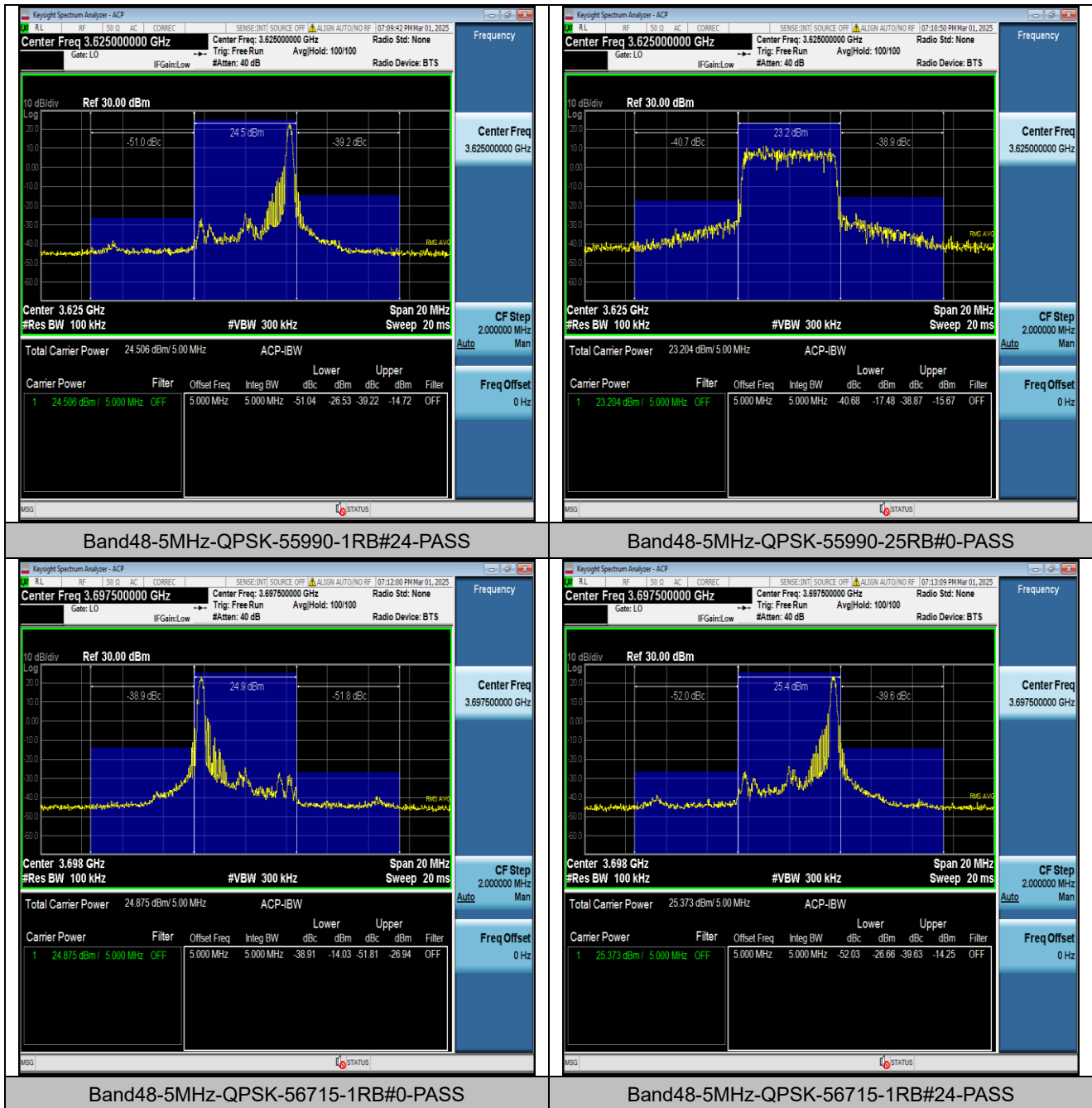
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result (10MHz/dBm) | EIRP (10MHz/dBm) | Limit (10MHz/dBm) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------|------------------|-------------------|---------|
| Band48 | 5MHz      | QPSK       | 55265   | 1RB#0            | 18.5               | 20.49            | 23                | PASS    |
| Band48 | 5MHz      | QPSK       | 55265   | 1RB#12           | 18.68              | 20.67            | 23                | PASS    |
| Band48 | 5MHz      | QPSK       | 55265   | 1RB#24           | 18.71              | 20.7             | 23                | PASS    |
| Band48 | 5MHz      | QPSK       | 55265   | 25RB#0           | 17.27              | 19.26            | 23                | PASS    |
| Band48 | 5MHz      | QPSK       | 55990   | 1RB#0            | 18.77              | 20.76            | 23                | PASS    |
| Band48 | 5MHz      | QPSK       | 55990   | 1RB#12           | 18.84              | 20.83            | 23                | PASS    |
| Band48 | 5MHz      | QPSK       | 55990   | 1RB#24           | 18.88              | 20.87            | 23                | PASS    |
| Band48 | 5MHz      | QPSK       | 55990   | 25RB#0           | 17.46              | 19.45            | 23                | PASS    |
| Band48 | 5MHz      | QPSK       | 56715   | 1RB#0            | 19.52              | 21.51            | 23                | PASS    |
| Band48 | 5MHz      | QPSK       | 56715   | 1RB#12           | 19.67              | 21.66            | 23                | PASS    |
| Band48 | 5MHz      | QPSK       | 56715   | 1RB#24           | 19.67              | 21.66            | 23                | PASS    |
| Band48 | 5MHz      | QPSK       | 56715   | 25RB#0           | 18.35              | 20.34            | 23                | PASS    |
| Band48 | 10MHz     | QPSK       | 55290   | 1RB#0            | 18.51              | 20.5             | 23                | PASS    |
| Band48 | 10MHz     | QPSK       | 55290   | 1RB#24           | 18.8               | 20.79            | 23                | PASS    |
| Band48 | 10MHz     | QPSK       | 55290   | 1RB#49           | 18.82              | 20.81            | 23                | PASS    |
| Band48 | 10MHz     | QPSK       | 55290   | 50RB#0           | 16.47              | 18.46            | 23                | PASS    |
| Band48 | 10MHz     | QPSK       | 55990   | 1RB#0            | 18.78              | 20.77            | 23                | PASS    |
| Band48 | 10MHz     | QPSK       | 55990   | 1RB#24           | 18.92              | 20.91            | 23                | PASS    |
| Band48 | 10MHz     | QPSK       | 55990   | 1RB#49           | 19.09              | 21.08            | 23                | PASS    |
| Band48 | 10MHz     | QPSK       | 55990   | 50RB#0           | 16.69              | 18.68            | 23                | PASS    |
| Band48 | 10MHz     | QPSK       | 56690   | 1RB#0            | 19.48              | 21.47            | 23                | PASS    |
| Band48 | 10MHz     | QPSK       | 56690   | 1RB#24           | 19.66              | 21.65            | 23                | PASS    |
| Band48 | 10MHz     | QPSK       | 56690   | 1RB#49           | 19.72              | 21.71            | 23                | PASS    |
| Band48 | 10MHz     | QPSK       | 56690   | 50RB#0           | 17.46              | 19.45            | 23                | PASS    |
| Band48 | 15MHz     | QPSK       | 55315   | 1RB#0            | 18.51              | 20.5             | 23                | PASS    |
| Band48 | 15MHz     | QPSK       | 55315   | 1RB#38           | 18.83              | 20.82            | 23                | PASS    |
| Band48 | 15MHz     | QPSK       | 55315   | 1RB#74           | 18.8               | 20.79            | 23                | PASS    |
| Band48 | 15MHz     | QPSK       | 55315   | 75RB#0           | 14.93              | 16.92            | 23                | PASS    |
| Band48 | 15MHz     | QPSK       | 55990   | 1RB#0            | 18.79              | 20.78            | 23                | PASS    |
| Band48 | 15MHz     | QPSK       | 55990   | 1RB#38           | 18.85              | 20.84            | 23                | PASS    |
| Band48 | 15MHz     | QPSK       | 55990   | 1RB#74           | 19.13              | 21.12            | 23                | PASS    |
| Band48 | 15MHz     | QPSK       | 55990   | 75RB#0           | 15.1               | 17.09            | 23                | PASS    |
| Band48 | 15MHz     | QPSK       | 56665   | 1RB#0            | 19.2               | 21.19            | 23                | PASS    |
| Band48 | 15MHz     | QPSK       | 56665   | 1RB#38           | 19.55              | 21.54            | 23                | PASS    |
| Band48 | 15MHz     | QPSK       | 56665   | 1RB#74           | 19.67              | 21.66            | 23                | PASS    |
| Band48 | 15MHz     | QPSK       | 56665   | 75RB#0           | 15.75              | 17.74            | 23                | PASS    |
| Band48 | 20MHz     | QPSK       | 55340   | 1RB#0            | 18.42              | 20.41            | 23                | PASS    |

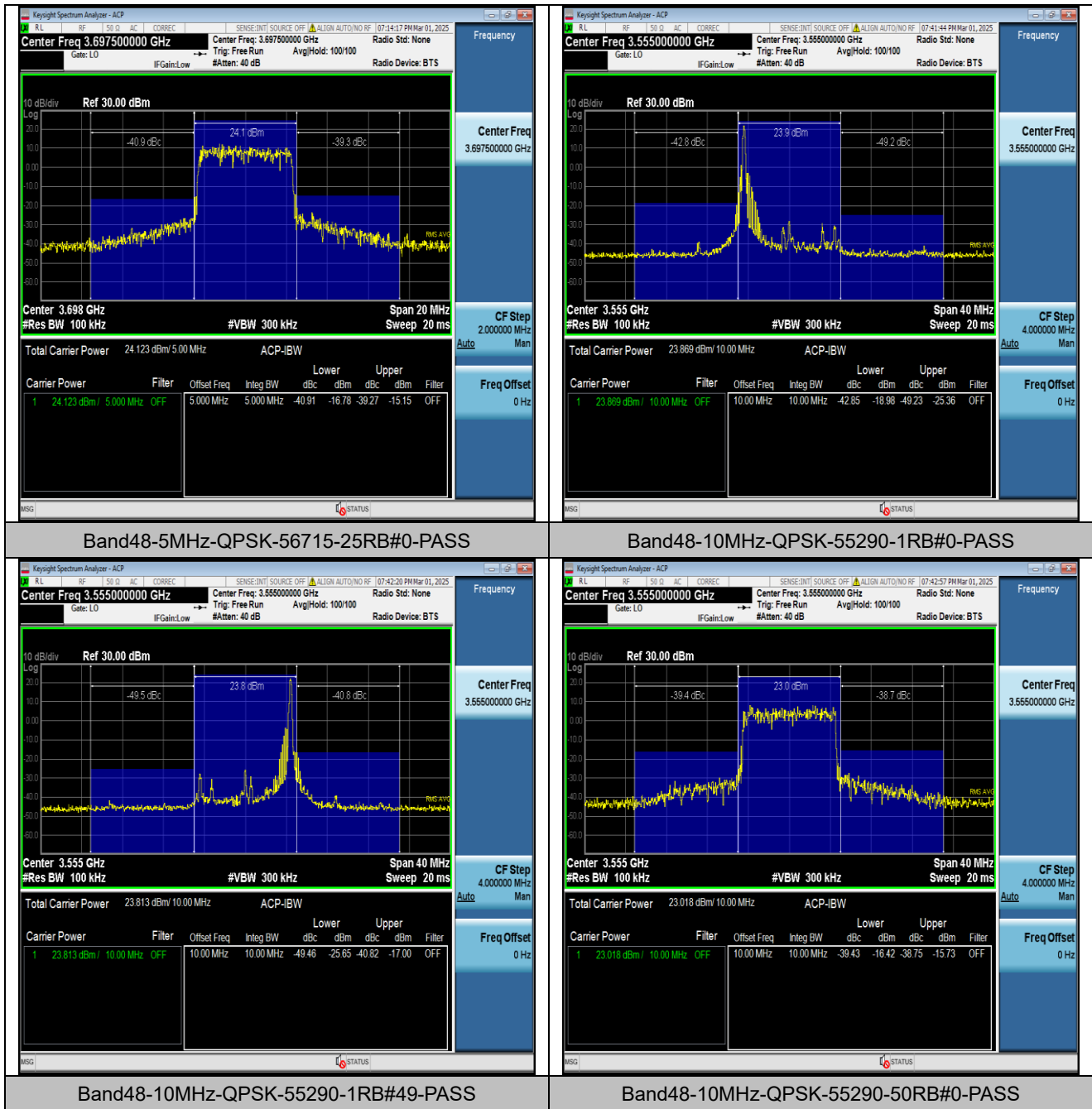
|        |       |      |       |         |       |       |    |      |
|--------|-------|------|-------|---------|-------|-------|----|------|
| Band48 | 20MHz | QPSK | 55340 | 1RB#49  | 18.83 | 20.82 | 23 | PASS |
| Band48 | 20MHz | QPSK | 55340 | 1RB#99  | 18.81 | 20.8  | 23 | PASS |
| Band48 | 20MHz | QPSK | 55340 | 100RB#0 | 13.7  | 15.69 | 23 | PASS |
| Band48 | 20MHz | QPSK | 55990 | 1RB#0   | 18.69 | 20.68 | 23 | PASS |
| Band48 | 20MHz | QPSK | 55990 | 1RB#49  | 18.85 | 20.84 | 23 | PASS |
| Band48 | 20MHz | QPSK | 55990 | 1RB#99  | 19.05 | 21.04 | 23 | PASS |
| Band48 | 20MHz | QPSK | 55990 | 100RB#0 | 13.86 | 15.85 | 23 | PASS |
| Band48 | 20MHz | QPSK | 56640 | 1RB#0   | 19.01 | 21    | 23 | PASS |
| Band48 | 20MHz | QPSK | 56640 | 1RB#49  | 19.46 | 21.45 | 23 | PASS |
| Band48 | 20MHz | QPSK | 56640 | 1RB#99  | 19.6  | 21.59 | 23 | PASS |
| Band48 | 20MHz | QPSK | 56640 | 100RB#0 | 14.43 | 16.42 | 23 | PASS |

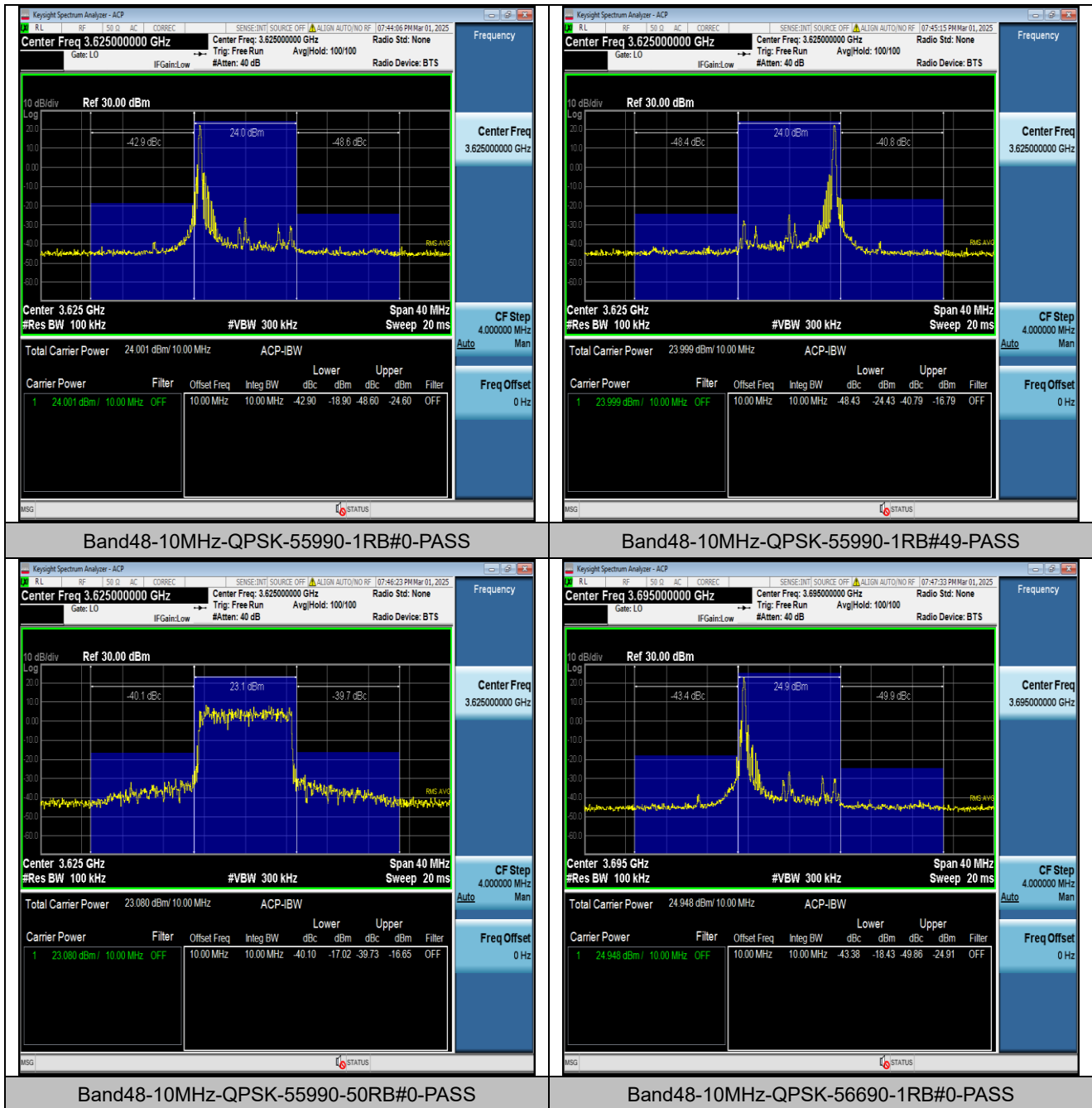
# Adjacent Channel Leakage Ratio

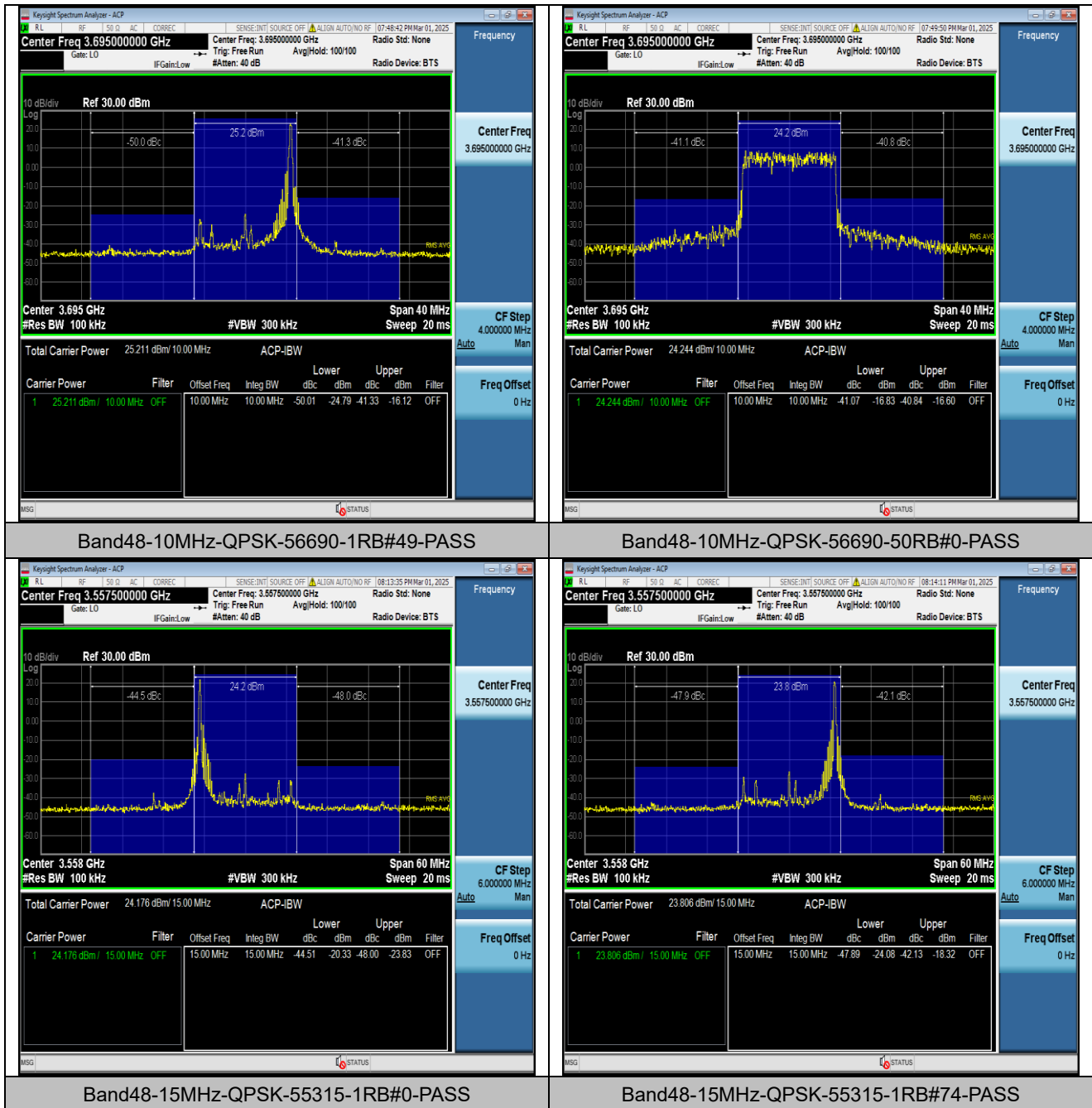
## Test Graphs

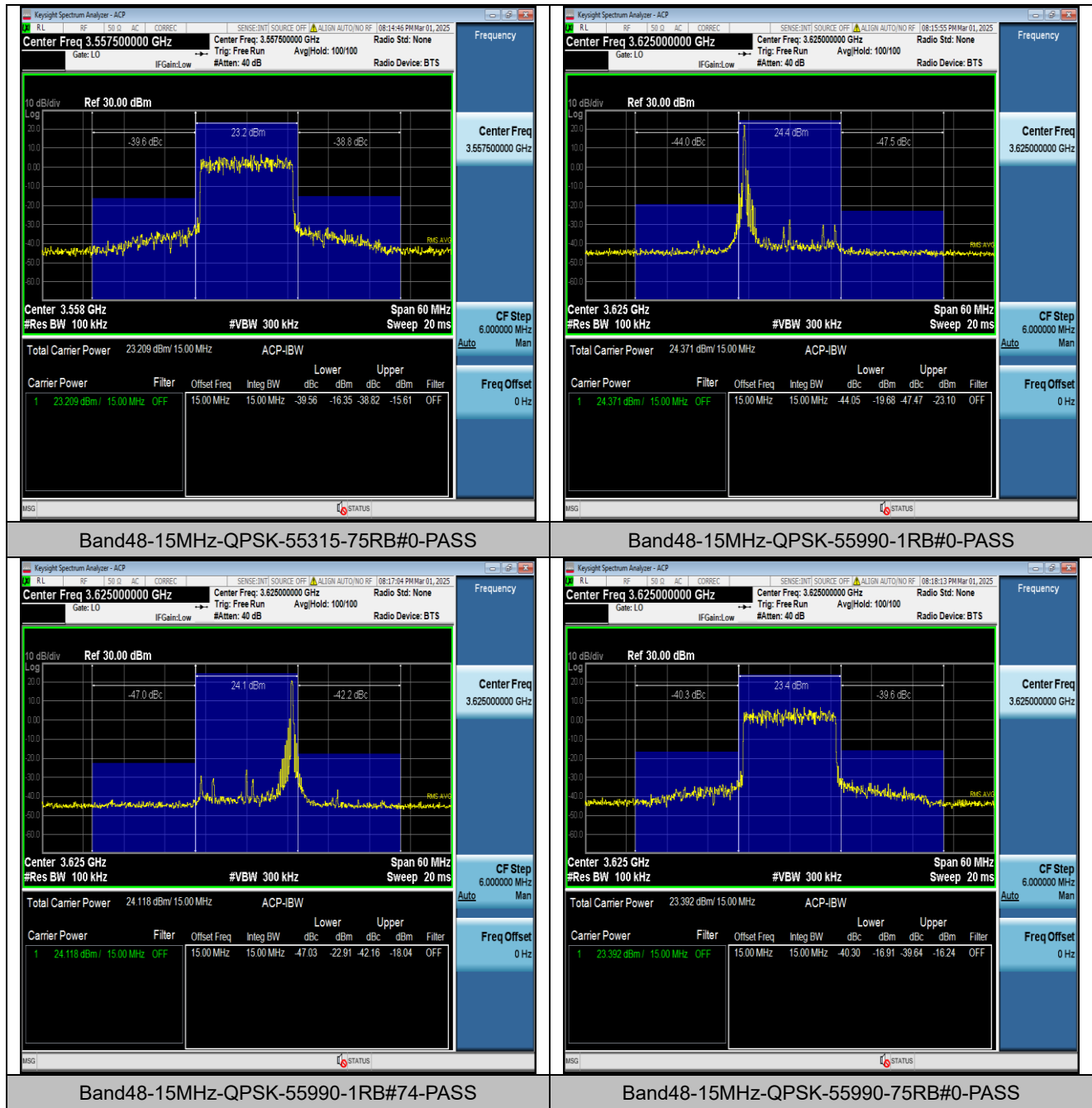


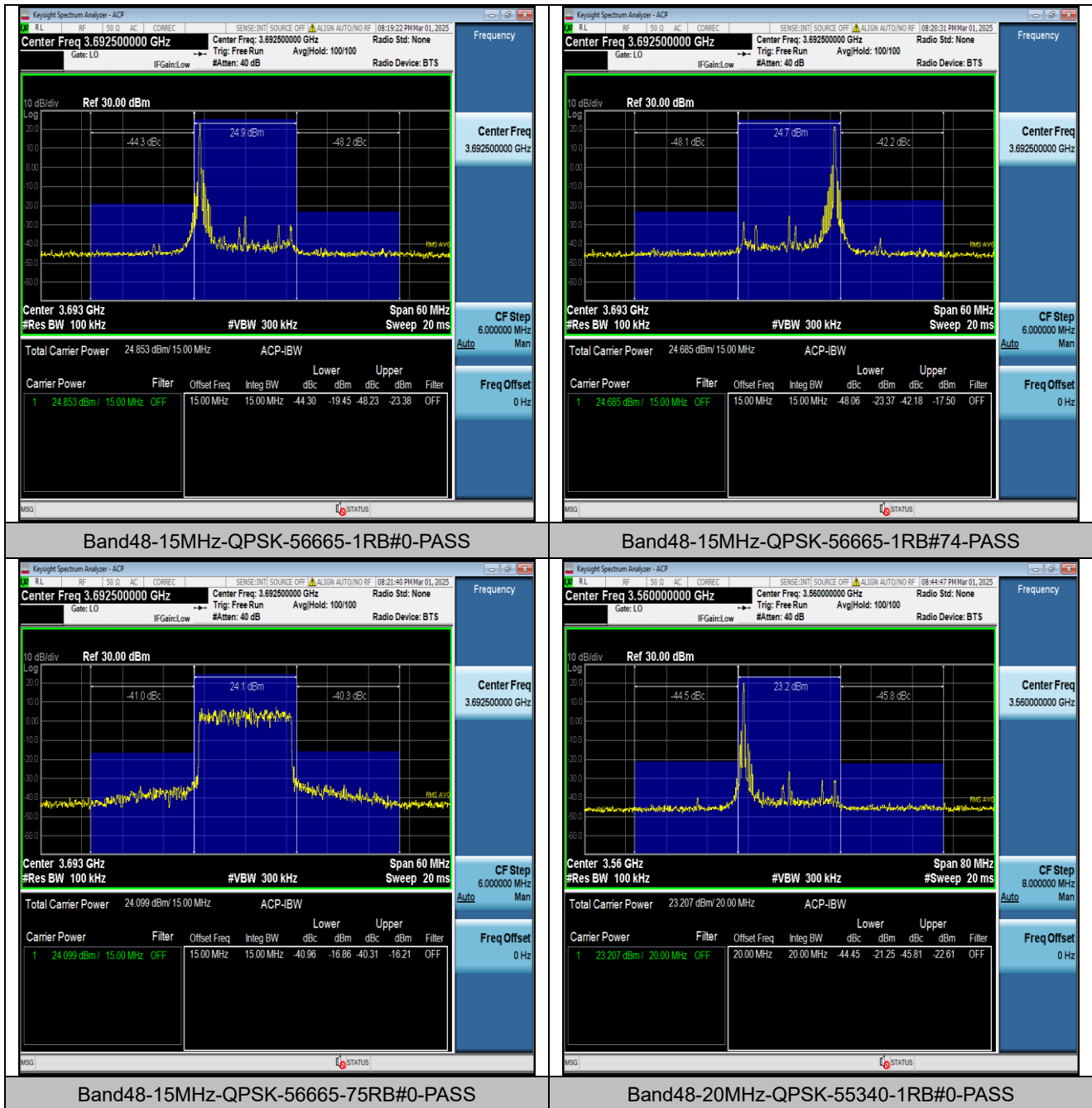


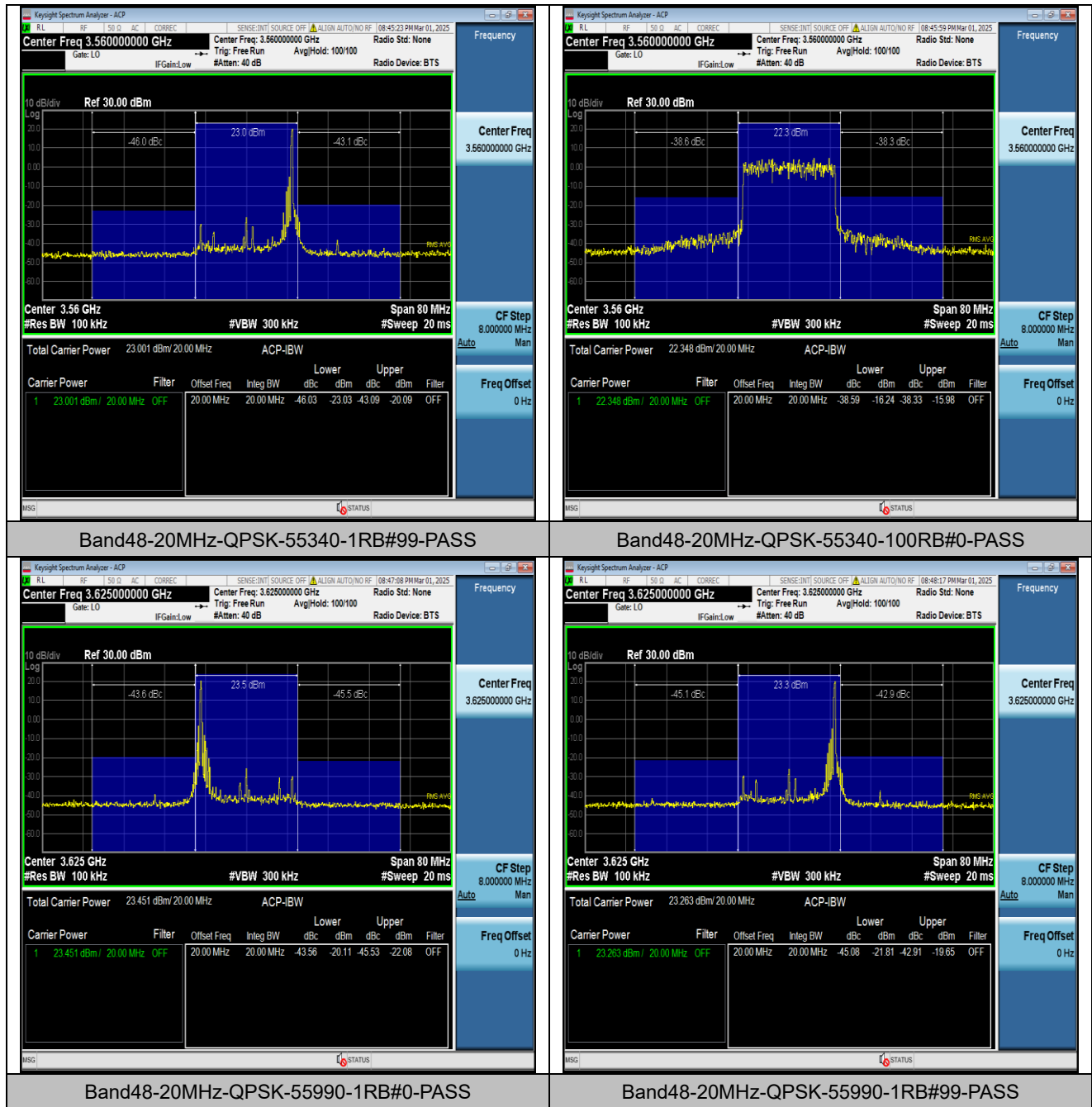


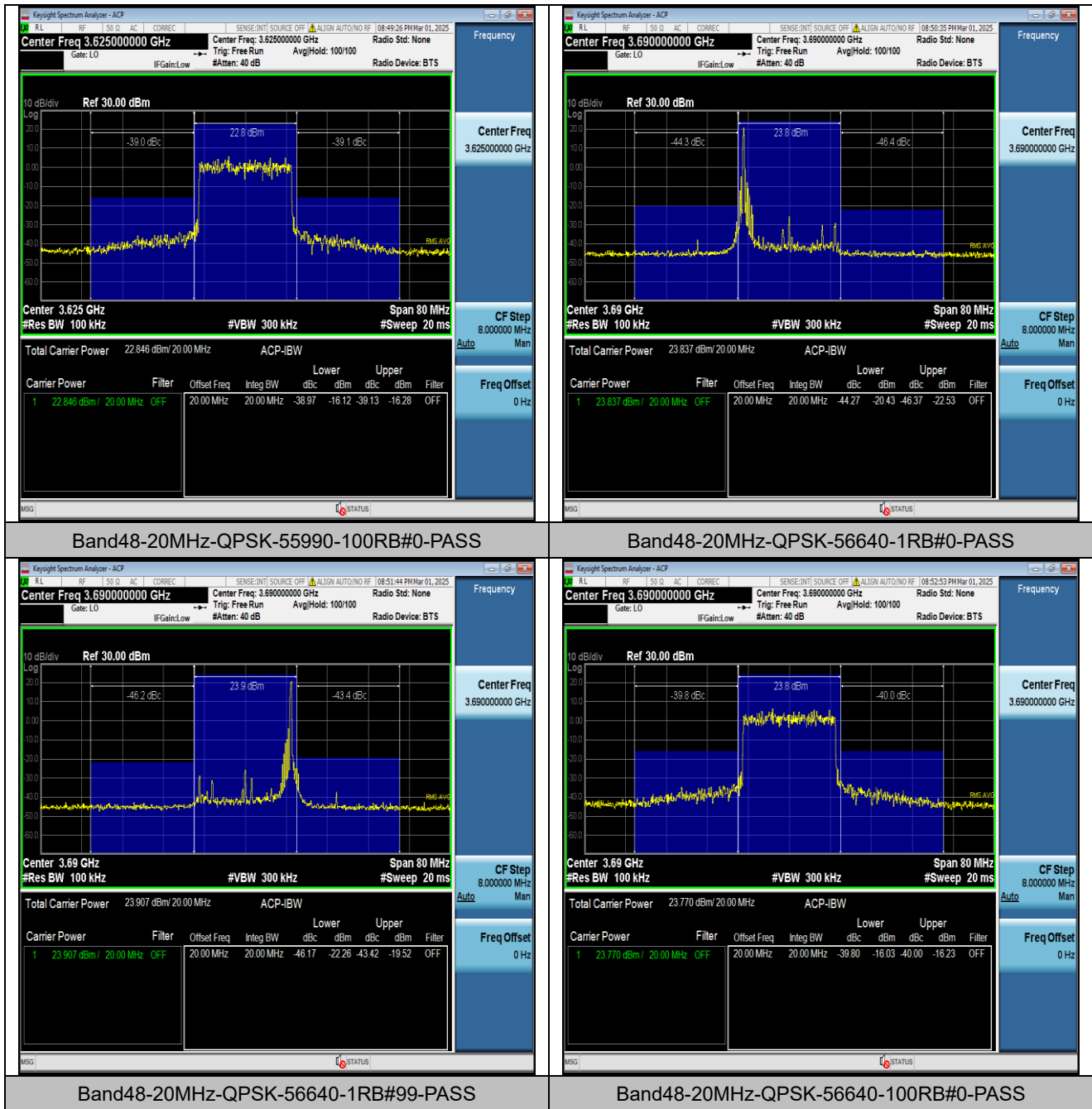










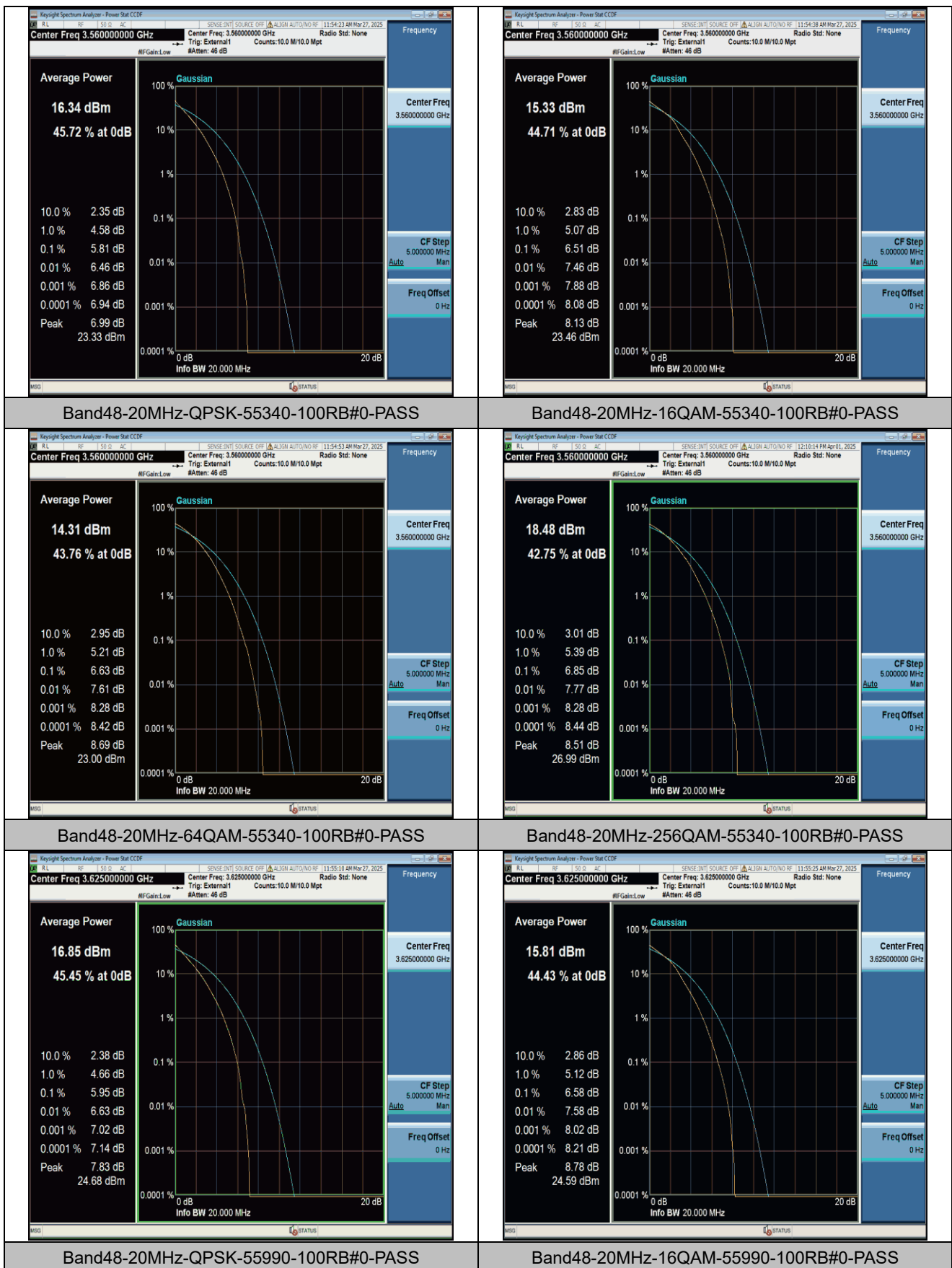


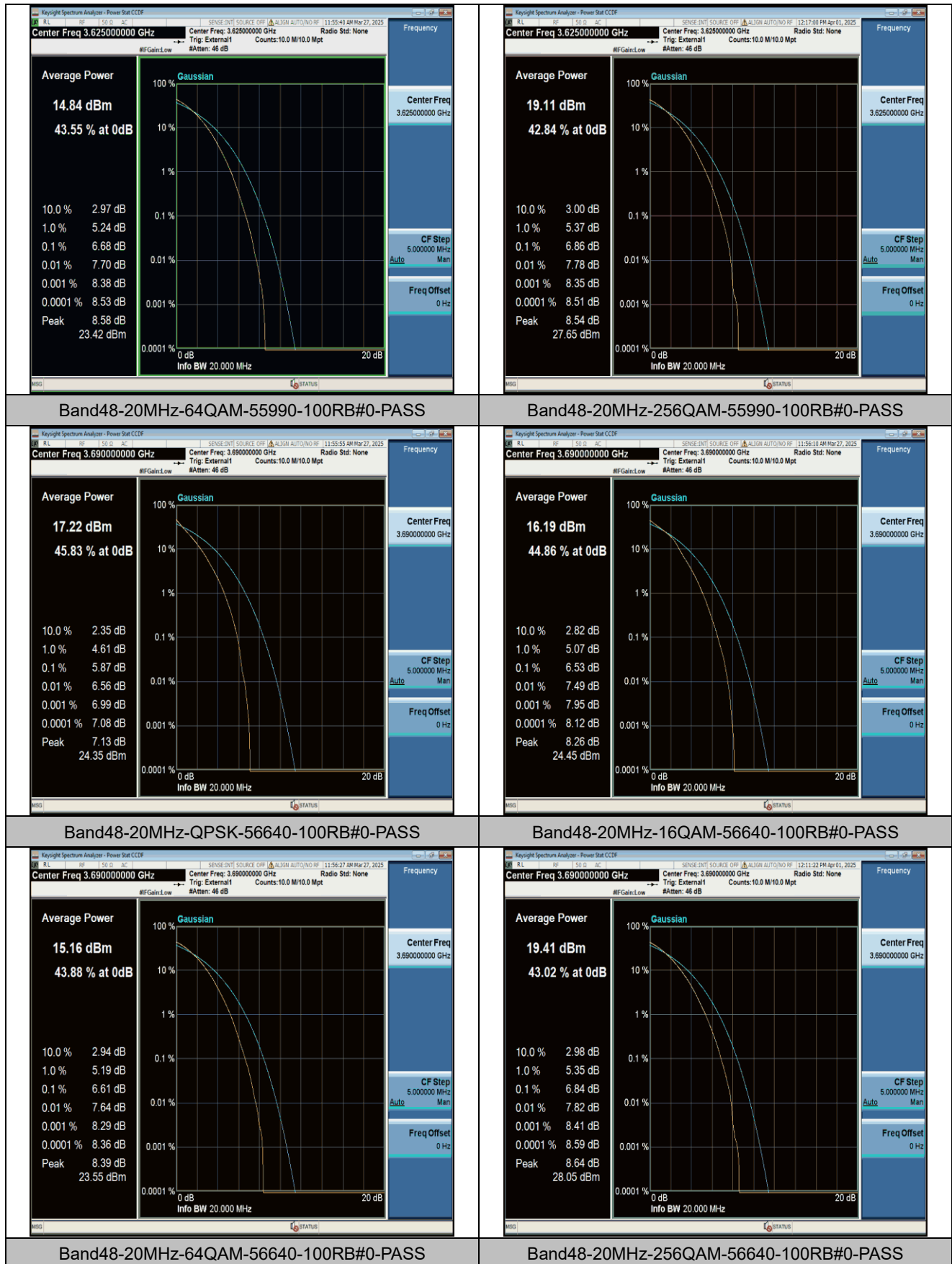
## Peak-to-Average Ratio(CCDF)

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result (dB) | Limit (dB) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|------------|---------|
| Band48 | 20MHz     | QPSK       | 55340   | 100RB#0          | 5.81        | 13         | PASS    |
| Band48 | 20MHz     | 16QAM      | 55340   | 100RB#0          | 6.51        | 13         | PASS    |
| Band48 | 20MHz     | 64QAM      | 55340   | 100RB#0          | 6.63        | 13         | PASS    |
| Band48 | 20MHz     | 256QAM     | 55340   | 100RB#0          | 6.85        | 13         | PASS    |
| Band48 | 20MHz     | QPSK       | 55990   | 100RB#0          | 5.95        | 13         | PASS    |
| Band48 | 20MHz     | 16QAM      | 55990   | 100RB#0          | 6.58        | 13         | PASS    |
| Band48 | 20MHz     | 64QAM      | 55990   | 100RB#0          | 6.68        | 13         | PASS    |
| Band48 | 20MHz     | 256QAM     | 55990   | 100RB#0          | 6.86        | 13         | PASS    |
| Band48 | 20MHz     | QPSK       | 56640   | 100RB#0          | 5.87        | 13         | PASS    |
| Band48 | 20MHz     | 16QAM      | 56640   | 100RB#0          | 6.53        | 13         | PASS    |
| Band48 | 20MHz     | 64QAM      | 56640   | 100RB#0          | 6.61        | 13         | PASS    |
| Band48 | 20MHz     | 256QAM     | 56640   | 100RB#0          | 6.84        | 13         | PASS    |

## Test Graphs



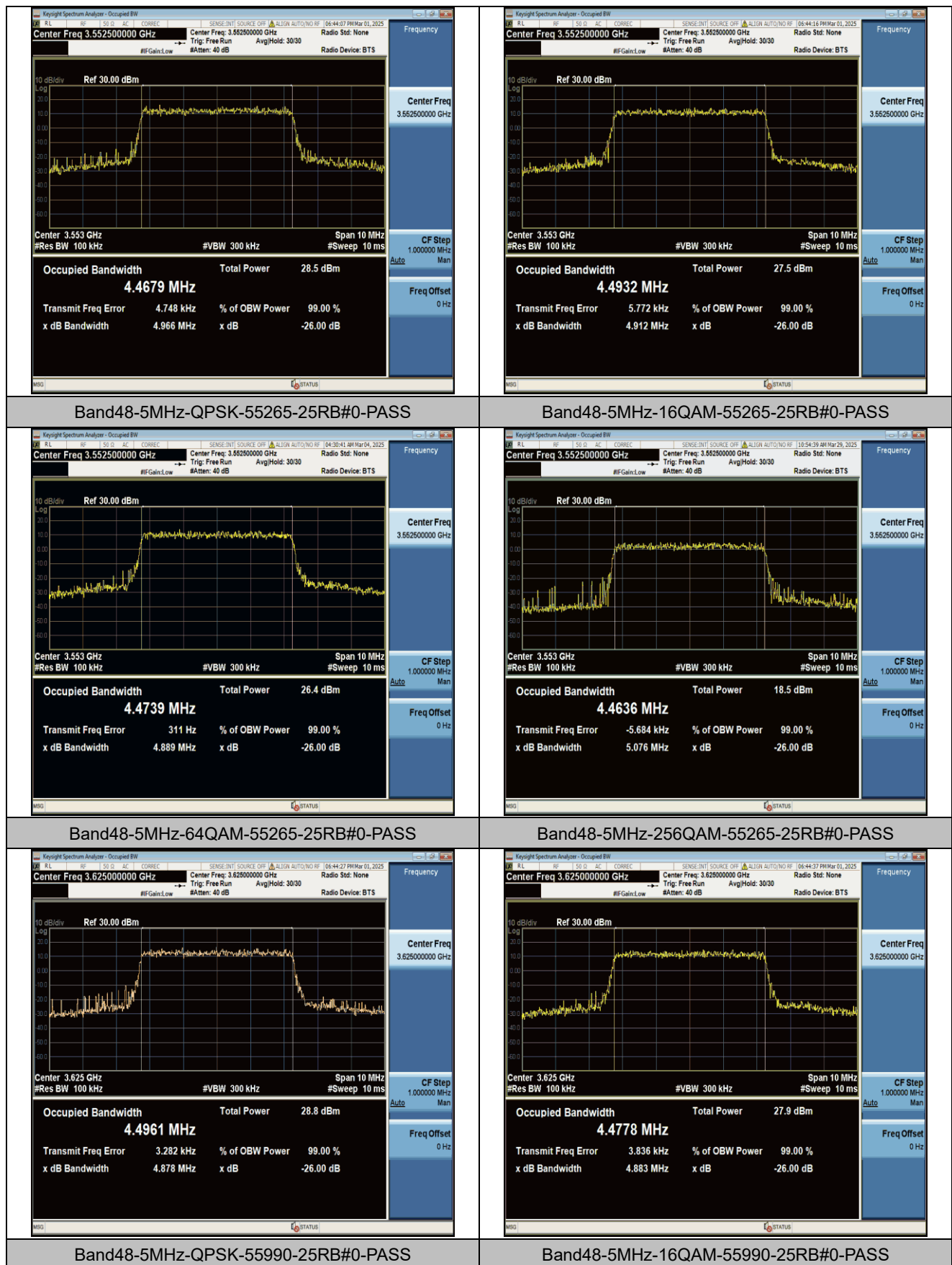


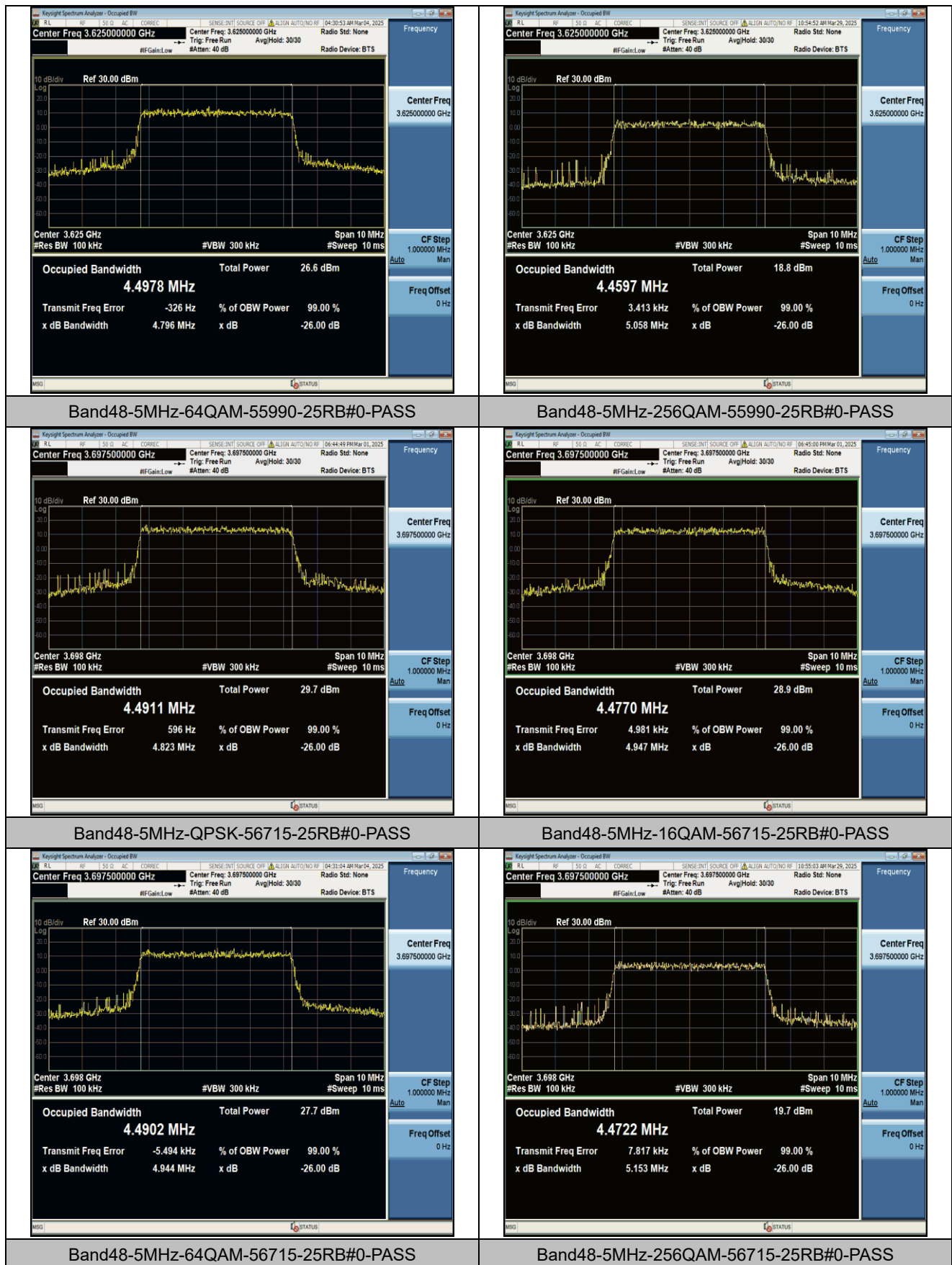
**26dB Bandwidth and Occupied Bandwidth****Test Result**

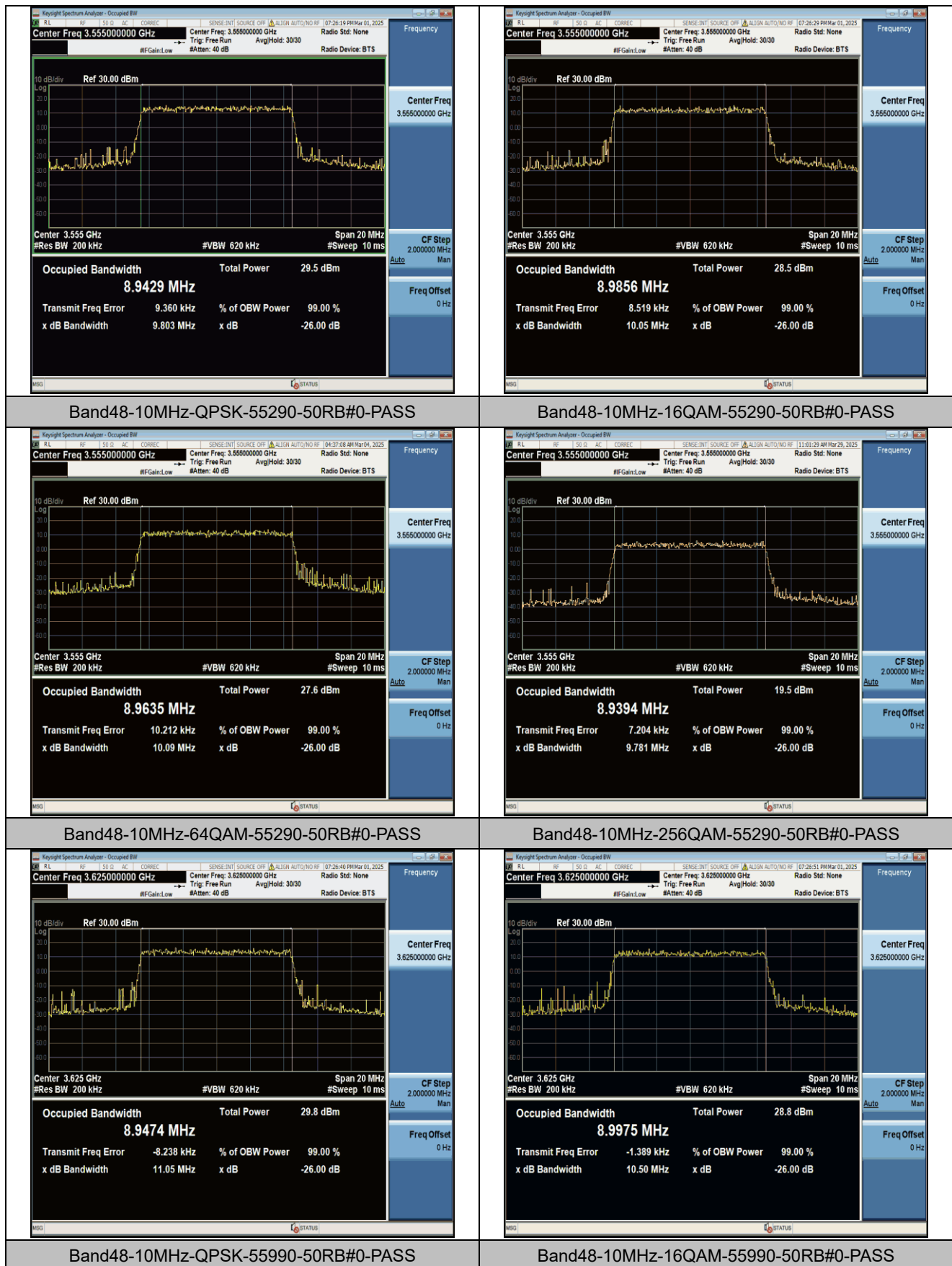
| Band   | Bandwidth | Modulation | Channel | RB Configuration | OBW (MHz) | 26dB EBW (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|-----------|----------------|---------|
| Band48 | 5MHz      | QPSK       | 55265   | 25RB#0           | 4.4679    | 4.966          | PASS    |
| Band48 | 5MHz      | 16QAM      | 55265   | 25RB#0           | 4.4932    | 4.912          | PASS    |
| Band48 | 5MHz      | 64QAM      | 55265   | 25RB#0           | 4.4739    | 4.889          | PASS    |
| Band48 | 5MHz      | 256QAM     | 55265   | 25RB#0           | 4.4636    | 5.076          | PASS    |
| Band48 | 5MHz      | QPSK       | 55990   | 25RB#0           | 4.4961    | 4.878          | PASS    |
| Band48 | 5MHz      | 16QAM      | 55990   | 25RB#0           | 4.4778    | 4.883          | PASS    |
| Band48 | 5MHz      | 64QAM      | 55990   | 25RB#0           | 4.4978    | 4.796          | PASS    |
| Band48 | 5MHz      | 256QAM     | 55990   | 25RB#0           | 4.4597    | 5.058          | PASS    |
| Band48 | 5MHz      | QPSK       | 56715   | 25RB#0           | 4.4911    | 4.823          | PASS    |
| Band48 | 5MHz      | 16QAM      | 56715   | 25RB#0           | 4.4770    | 4.947          | PASS    |
| Band48 | 5MHz      | 64QAM      | 56715   | 25RB#0           | 4.4902    | 4.944          | PASS    |
| Band48 | 5MHz      | 256QAM     | 56715   | 25RB#0           | 4.4722    | 5.153          | PASS    |
| Band48 | 10MHz     | QPSK       | 55290   | 50RB#0           | 8.9429    | 9.803          | PASS    |
| Band48 | 10MHz     | 16QAM      | 55290   | 50RB#0           | 8.9856    | 10.05          | PASS    |
| Band48 | 10MHz     | 64QAM      | 55290   | 50RB#0           | 8.9635    | 10.09          | PASS    |
| Band48 | 10MHz     | 256QAM     | 55290   | 50RB#0           | 8.9394    | 9.781          | PASS    |
| Band48 | 10MHz     | QPSK       | 55990   | 50RB#0           | 8.9474    | 11.05          | PASS    |
| Band48 | 10MHz     | 16QAM      | 55990   | 50RB#0           | 8.9975    | 10.50          | PASS    |
| Band48 | 10MHz     | 64QAM      | 55990   | 50RB#0           | 8.9546    | 11.68          | PASS    |
| Band48 | 10MHz     | 256QAM     | 55990   | 50RB#0           | 8.9646    | 10.24          | PASS    |
| Band48 | 10MHz     | QPSK       | 56690   | 50RB#0           | 8.9501    | 10.82          | PASS    |
| Band48 | 10MHz     | 16QAM      | 56690   | 50RB#0           | 8.9418    | 11.59          | PASS    |
| Band48 | 10MHz     | 64QAM      | 56690   | 50RB#0           | 8.9644    | 11.83          | PASS    |
| Band48 | 10MHz     | 256QAM     | 56690   | 50RB#0           | 8.9376    | 9.735          | PASS    |
| Band48 | 15MHz     | QPSK       | 55315   | 75RB#0           | 13.444    | 15.44          | PASS    |
| Band48 | 15MHz     | 16QAM      | 55315   | 75RB#0           | 13.402    | 15.80          | PASS    |
| Band48 | 15MHz     | 64QAM      | 55315   | 75RB#0           | 13.413    | 15.65          | PASS    |
| Band48 | 15MHz     | 256QAM     | 55315   | 75RB#0           | 13.426    | 14.94          | PASS    |
| Band48 | 15MHz     | QPSK       | 55990   | 75RB#0           | 13.532    | 17.60          | PASS    |
| Band48 | 15MHz     | 16QAM      | 55990   | 75RB#0           | 13.460    | 20.16          | PASS    |
| Band48 | 15MHz     | 64QAM      | 55990   | 75RB#0           | 13.449    | 18.06          | PASS    |
| Band48 | 15MHz     | 256QAM     | 55990   | 75RB#0           | 13.424    | 15.76          | PASS    |
| Band48 | 15MHz     | QPSK       | 56665   | 75RB#0           | 13.470    | 14.61          | PASS    |
| Band48 | 15MHz     | 16QAM      | 56665   | 75RB#0           | 13.466    | 16.84          | PASS    |
| Band48 | 15MHz     | 64QAM      | 56665   | 75RB#0           | 13.434    | 15.77          | PASS    |
| Band48 | 15MHz     | 256QAM     | 56665   | 75RB#0           | 13.396    | 14.25          | PASS    |
| Band48 | 20MHz     | QPSK       | 55340   | 100RB#0          | 17.918    | 21.65          | PASS    |
| Band48 | 20MHz     | 16QAM      | 55340   | 100RB#0          | 17.878    | 19.82          | PASS    |

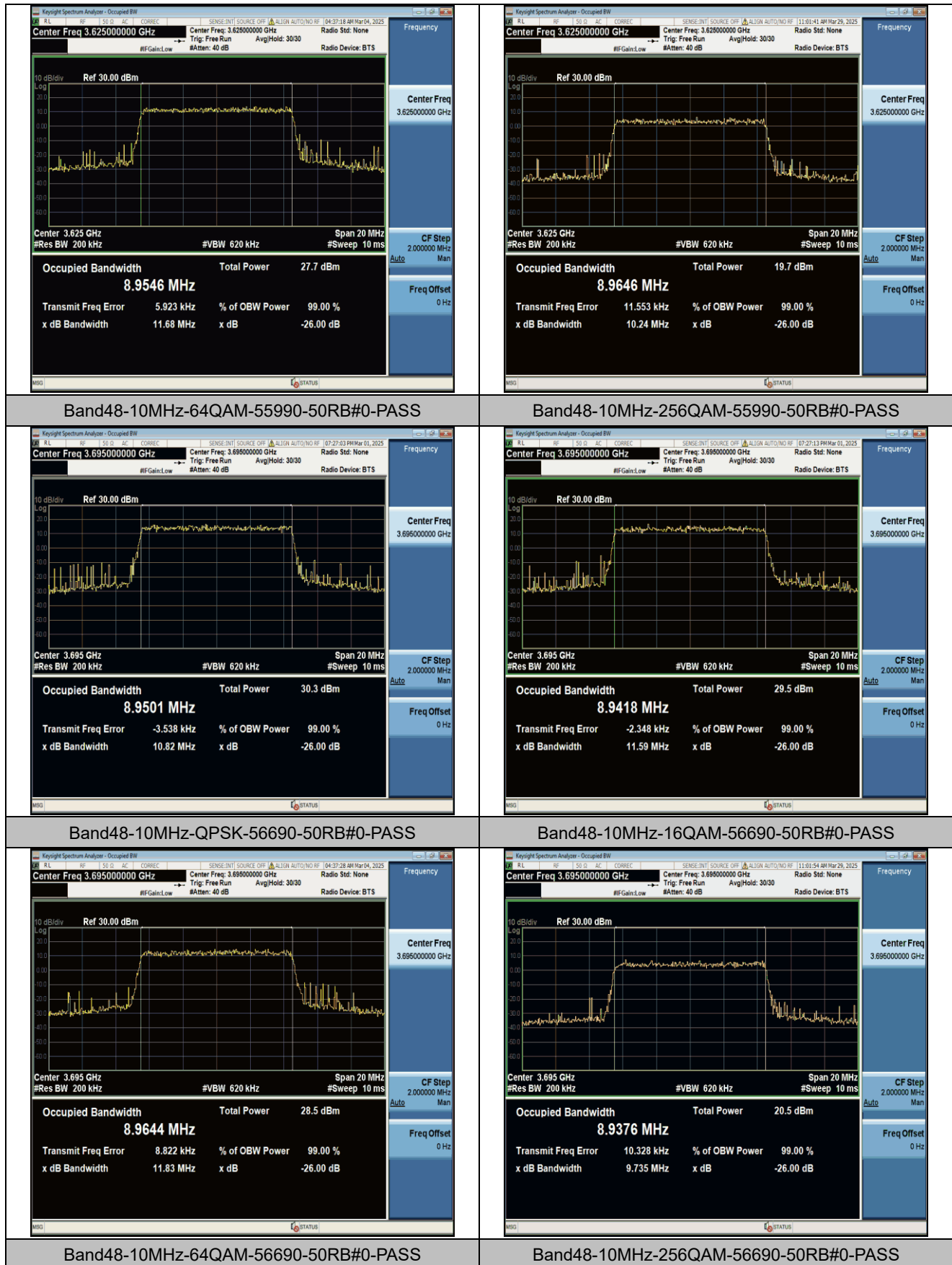
|        |       |        |       |         |        |       |      |
|--------|-------|--------|-------|---------|--------|-------|------|
| Band48 | 20MHz | 64QAM  | 55340 | 100RB#0 | 17.875 | 20.26 | PASS |
| Band48 | 20MHz | 256QAM | 55340 | 100RB#0 | 17.935 | 21.72 | PASS |
| Band48 | 20MHz | QPSK   | 55990 | 100RB#0 | 17.934 | 21.18 | PASS |
| Band48 | 20MHz | 16QAM  | 55990 | 100RB#0 | 17.903 | 19.20 | PASS |
| Band48 | 20MHz | 64QAM  | 55990 | 100RB#0 | 17.889 | 20.36 | PASS |
| Band48 | 20MHz | 256QAM | 55990 | 100RB#0 | 17.894 | 20.28 | PASS |
| Band48 | 20MHz | QPSK   | 56640 | 100RB#0 | 17.887 | 19.76 | PASS |
| Band48 | 20MHz | 16QAM  | 56640 | 100RB#0 | 17.868 | 20.47 | PASS |
| Band48 | 20MHz | 64QAM  | 56640 | 100RB#0 | 17.871 | 19.27 | PASS |
| Band48 | 20MHz | 256QAM | 56640 | 100RB#0 | 17.940 | 19.02 | PASS |

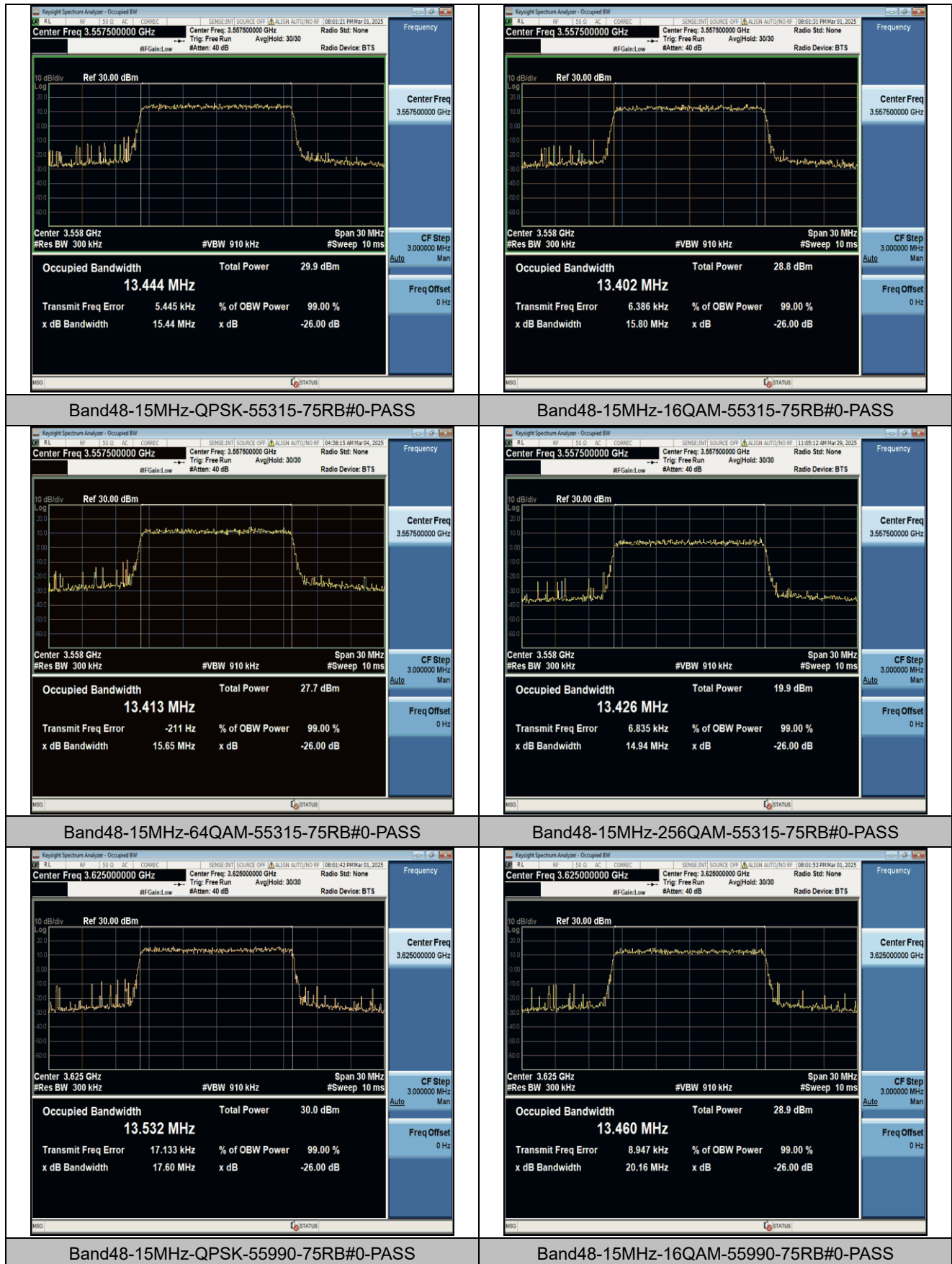
## Test Graphs

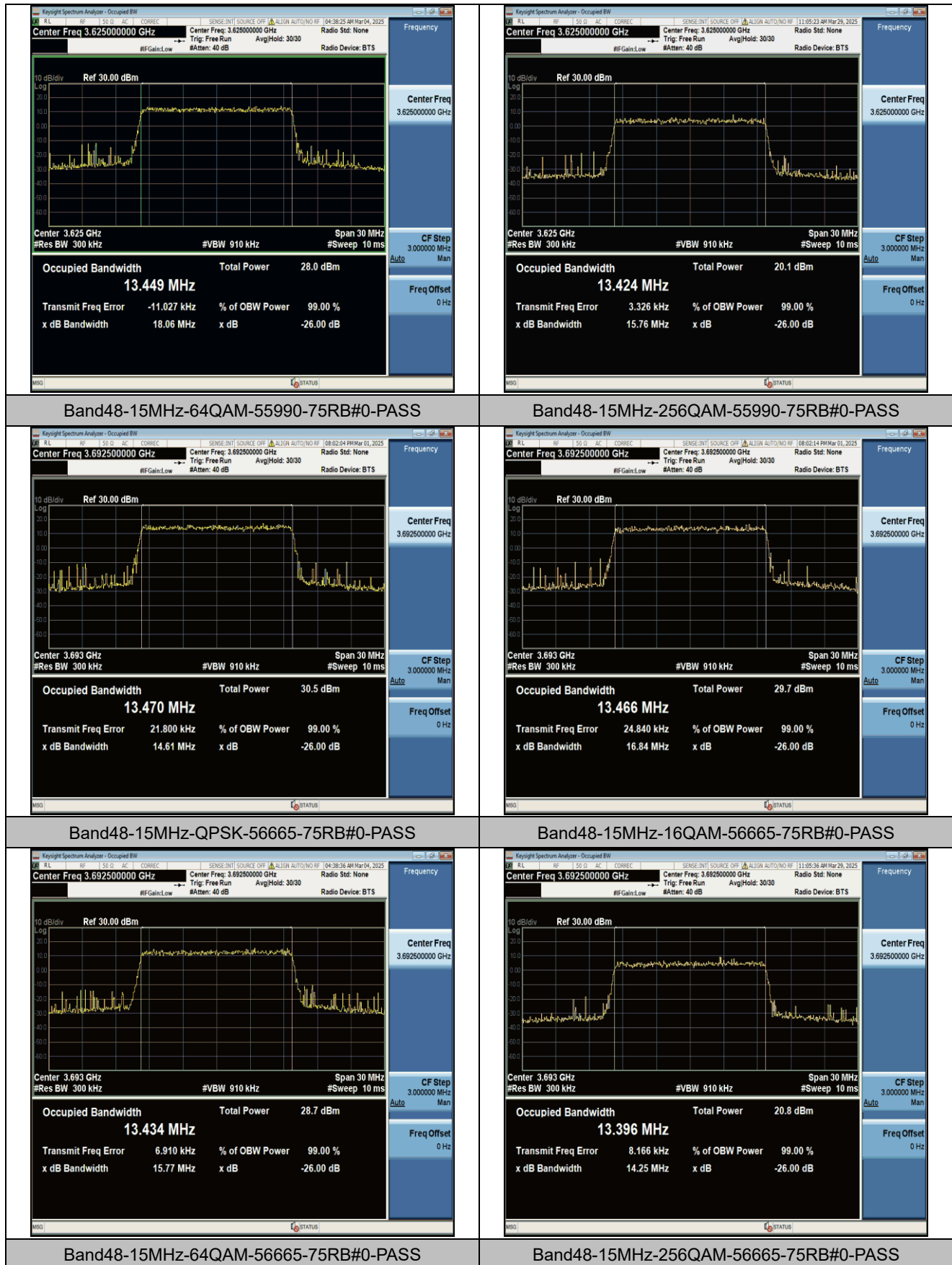


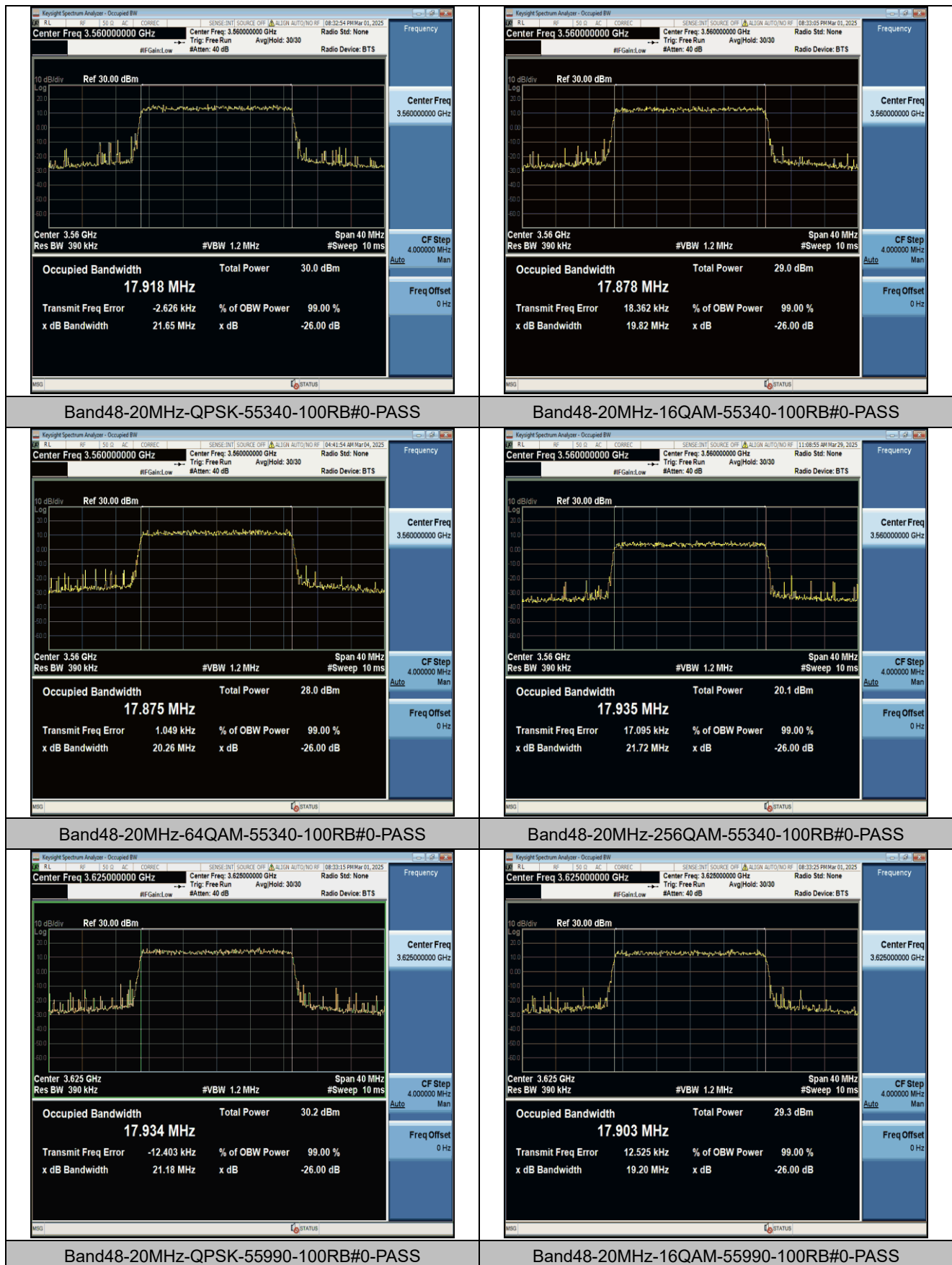














## Band Edge

## Test Graphs

