

# Appendix-A LTE Band 38

## Effective (Isotropic) Radiated Power Output Data

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result (dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|--------------|------------|-------------|---------|
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#0            | 26.18        | 27.58      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#12           | 26.38        | 27.78      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#24           | 26.11        | 27.51      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | 25.78        | 27.18      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#0            | 25.27        | 26.67      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#12           | 25.25        | 26.65      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#24           | 24.93        | 26.33      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | 24.9         | 26.3       | 33.00       | PASS    |
| Band38 | 5MHz      | 64QAM      | 37775   | 1RB#0            | 24.41        | 25.81      | 33.00       | PASS    |
| Band38 | 5MHz      | 64QAM      | 37775   | 1RB#12           | 24.15        | 25.55      | 33.00       | PASS    |
| Band38 | 5MHz      | 64QAM      | 37775   | 1RB#24           | 23.94        | 25.34      | 33.00       | PASS    |
| Band38 | 5MHz      | 64QAM      | 37775   | 25RB#0           | 23.99        | 25.39      | 33.00       | PASS    |
| Band38 | 5MHz      | 256QAM     | 37775   | 1RB#0            | 21.51        | 22.91      | 33.00       | PASS    |
| Band38 | 5MHz      | 256QAM     | 37775   | 1RB#12           | 21.26        | 22.66      | 33.00       | PASS    |
| Band38 | 5MHz      | 256QAM     | 37775   | 1RB#24           | 20.91        | 22.31      | 33.00       | PASS    |
| Band38 | 5MHz      | 256QAM     | 37775   | 25RB#0           | 21.19        | 22.59      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#0            | 26.1         | 27.5       | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#12           | 26.24        | 27.64      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#24           | 25.97        | 27.37      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | 25.65        | 27.05      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#0            | 25.09        | 26.49      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#12           | 25.14        | 26.54      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#24           | 24.83        | 26.23      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | 24.75        | 26.15      | 33.00       | PASS    |
| Band38 | 5MHz      | 64QAM      | 38000   | 1RB#0            | 24.07        | 25.47      | 33.00       | PASS    |
| Band38 | 5MHz      | 64QAM      | 38000   | 1RB#12           | 23.95        | 25.35      | 33.00       | PASS    |
| Band38 | 5MHz      | 64QAM      | 38000   | 1RB#24           | 23.66        | 25.06      | 33.00       | PASS    |
| Band38 | 5MHz      | 64QAM      | 38000   | 25RB#0           | 23.83        | 25.23      | 33.00       | PASS    |
| Band38 | 5MHz      | 256QAM     | 38000   | 1RB#0            | 21.44        | 22.84      | 33.00       | PASS    |
| Band38 | 5MHz      | 256QAM     | 38000   | 1RB#12           | 21.24        | 22.64      | 33.00       | PASS    |
| Band38 | 5MHz      | 256QAM     | 38000   | 1RB#24           | 20.93        | 22.33      | 33.00       | PASS    |
| Band38 | 5MHz      | 256QAM     | 38000   | 25RB#0           | 20.95        | 22.35      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#0            | 26.12        | 27.52      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#12           | 26.35        | 27.75      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#24           | 26.23        | 27.63      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | 25.58        | 26.98      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 1RB#0            | 25.31        | 26.71      | 33.00       | PASS    |

|        |       |        |       |        |       |       |       |      |
|--------|-------|--------|-------|--------|-------|-------|-------|------|
| Band38 | 5MHz  | 16QAM  | 38225 | 1RB#12 | 25.41 | 26.81 | 33.00 | PASS |
| Band38 | 5MHz  | 16QAM  | 38225 | 1RB#24 | 25.18 | 26.58 | 33.00 | PASS |
| Band38 | 5MHz  | 16QAM  | 38225 | 25RB#0 | 24.78 | 26.18 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM  | 38225 | 1RB#0  | 24.26 | 25.66 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM  | 38225 | 1RB#12 | 24.33 | 25.73 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM  | 38225 | 1RB#24 | 24.2  | 25.6  | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM  | 38225 | 25RB#0 | 23.8  | 25.2  | 33.00 | PASS |
| Band38 | 5MHz  | 256QAM | 38225 | 1RB#0  | 21.57 | 22.97 | 33.00 | PASS |
| Band38 | 5MHz  | 256QAM | 38225 | 1RB#12 | 21.61 | 23.01 | 33.00 | PASS |
| Band38 | 5MHz  | 256QAM | 38225 | 1RB#24 | 21.22 | 22.62 | 33.00 | PASS |
| Band38 | 5MHz  | 256QAM | 38225 | 25RB#0 | 21.01 | 22.41 | 33.00 | PASS |
| Band38 | 10MHz | QPSK   | 37800 | 1RB#0  | 26.47 | 27.87 | 33.00 | PASS |
| Band38 | 10MHz | QPSK   | 37800 | 1RB#24 | 26.18 | 27.58 | 33.00 | PASS |
| Band38 | 10MHz | QPSK   | 37800 | 1RB#49 | 26.16 | 27.56 | 33.00 | PASS |
| Band38 | 10MHz | QPSK   | 37800 | 50RB#0 | 25.69 | 27.09 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM  | 37800 | 1RB#0  | 25.43 | 26.83 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM  | 37800 | 1RB#24 | 25.11 | 26.51 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM  | 37800 | 1RB#49 | 25.26 | 26.66 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM  | 37800 | 50RB#0 | 24.81 | 26.21 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 37800 | 1RB#0  | 24.36 | 25.76 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 37800 | 1RB#24 | 23.93 | 25.33 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 37800 | 1RB#49 | 24.44 | 25.84 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 37800 | 50RB#0 | 23.96 | 25.36 | 33.00 | PASS |
| Band38 | 10MHz | 256QAM | 37800 | 1RB#0  | 21.6  | 23    | 33.00 | PASS |
| Band38 | 10MHz | 256QAM | 37800 | 1RB#24 | 21.17 | 22.57 | 33.00 | PASS |
| Band38 | 10MHz | 256QAM | 37800 | 1RB#49 | 21.74 | 23.14 | 33.00 | PASS |
| Band38 | 10MHz | 256QAM | 37800 | 50RB#0 | 21.25 | 22.65 | 33.00 | PASS |
| Band38 | 10MHz | QPSK   | 38000 | 1RB#0  | 26    | 27.4  | 33.00 | PASS |
| Band38 | 10MHz | QPSK   | 38000 | 1RB#24 | 26.36 | 27.76 | 33.00 | PASS |
| Band38 | 10MHz | QPSK   | 38000 | 1RB#49 | 26.27 | 27.67 | 33.00 | PASS |
| Band38 | 10MHz | QPSK   | 38000 | 50RB#0 | 25.75 | 27.15 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM  | 38000 | 1RB#0  | 25.14 | 26.54 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM  | 38000 | 1RB#24 | 25.33 | 26.73 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM  | 38000 | 1RB#49 | 25.17 | 26.57 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM  | 38000 | 50RB#0 | 24.78 | 26.18 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 38000 | 1RB#0  | 24.14 | 25.54 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 38000 | 1RB#24 | 24.23 | 25.63 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 38000 | 1RB#49 | 24.36 | 25.76 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 38000 | 50RB#0 | 23.8  | 25.2  | 33.00 | PASS |
| Band38 | 10MHz | 256QAM | 38000 | 1RB#0  | 21.18 | 22.58 | 33.00 | PASS |
| Band38 | 10MHz | 256QAM | 38000 | 1RB#24 | 21.54 | 22.94 | 33.00 | PASS |
| Band38 | 10MHz | 256QAM | 38000 | 1RB#49 | 21.58 | 22.98 | 33.00 | PASS |
| Band38 | 10MHz | 256QAM | 38000 | 50RB#0 | 21.17 | 22.57 | 33.00 | PASS |
| Band38 | 10MHz | QPSK   | 38200 | 1RB#0  | 26.07 | 27.47 | 33.00 | PASS |
| Band38 | 10MHz | QPSK   | 38200 | 1RB#24 | 26.42 | 27.82 | 33.00 | PASS |

|        |       |        |       |        |       |       |       |      |
|--------|-------|--------|-------|--------|-------|-------|-------|------|
| Band38 | 10MHz | QPSK   | 38200 | 1RB#49 | 26.07 | 27.47 | 33.00 | PASS |
| Band38 | 10MHz | QPSK   | 38200 | 50RB#0 | 25.62 | 27.02 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM  | 38200 | 1RB#0  | 25.13 | 26.53 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM  | 38200 | 1RB#24 | 25.46 | 26.86 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM  | 38200 | 1RB#49 | 25.01 | 26.41 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM  | 38200 | 50RB#0 | 24.69 | 26.09 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 38200 | 1RB#0  | 23.98 | 25.38 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 38200 | 1RB#24 | 24.46 | 25.86 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 38200 | 1RB#49 | 24.14 | 25.54 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 38200 | 50RB#0 | 23.81 | 25.21 | 33.00 | PASS |
| Band38 | 10MHz | 256QAM | 38200 | 1RB#0  | 20.89 | 22.29 | 33.00 | PASS |
| Band38 | 10MHz | 256QAM | 38200 | 1RB#24 | 21.45 | 22.85 | 33.00 | PASS |
| Band38 | 10MHz | 256QAM | 38200 | 1RB#49 | 21.44 | 22.84 | 33.00 | PASS |
| Band38 | 10MHz | 256QAM | 38200 | 50RB#0 | 20.97 | 22.37 | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 37825 | 1RB#0  | 26.44 | 27.84 | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 37825 | 1RB#38 | 26.22 | 27.62 | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 37825 | 1RB#74 | 26.31 | 27.71 | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 37825 | 75RB#0 | 25.87 | 27.27 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 37825 | 1RB#0  | 25.5  | 26.9  | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 37825 | 1RB#38 | 25.32 | 26.72 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 37825 | 1RB#74 | 25.42 | 26.82 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 37825 | 75RB#0 | 24.85 | 26.25 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM  | 37825 | 1RB#0  | 24.39 | 25.79 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM  | 37825 | 1RB#38 | 24.27 | 25.67 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM  | 37825 | 1RB#74 | 24.38 | 25.78 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM  | 37825 | 75RB#0 | 23.87 | 25.27 | 33.00 | PASS |
| Band38 | 15MHz | 256QAM | 37825 | 1RB#0  | 21.6  | 23    | 33.00 | PASS |
| Band38 | 15MHz | 256QAM | 37825 | 1RB#38 | 21.56 | 22.96 | 33.00 | PASS |
| Band38 | 15MHz | 256QAM | 37825 | 1RB#74 | 21.42 | 22.82 | 33.00 | PASS |
| Band38 | 15MHz | 256QAM | 37825 | 75RB#0 | 21.05 | 22.45 | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 38000 | 1RB#0  | 26.35 | 27.75 | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 38000 | 1RB#38 | 26.1  | 27.5  | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 38000 | 1RB#74 | 26.16 | 27.56 | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 38000 | 75RB#0 | 25.85 | 27.25 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 38000 | 1RB#0  | 25.22 | 26.62 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 38000 | 1RB#38 | 25.05 | 26.45 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 38000 | 1RB#74 | 24.97 | 26.37 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 38000 | 75RB#0 | 24.93 | 26.33 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM  | 38000 | 1RB#0  | 24.1  | 25.5  | 33.00 | PASS |
| Band38 | 15MHz | 64QAM  | 38000 | 1RB#38 | 24.09 | 25.49 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM  | 38000 | 1RB#74 | 23.81 | 25.21 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM  | 38000 | 75RB#0 | 24.09 | 25.49 | 33.00 | PASS |
| Band38 | 15MHz | 256QAM | 38000 | 1RB#0  | 21.11 | 22.51 | 33.00 | PASS |
| Band38 | 15MHz | 256QAM | 38000 | 1RB#38 | 21.26 | 22.66 | 33.00 | PASS |
| Band38 | 15MHz | 256QAM | 38000 | 1RB#74 | 20.75 | 22.15 | 33.00 | PASS |

|        |       |        |       |         |       |       |       |      |
|--------|-------|--------|-------|---------|-------|-------|-------|------|
| Band38 | 15MHz | 256QAM | 38000 | 75RB#0  | 21.39 | 22.79 | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 38175 | 1RB#0   | 26.16 | 27.56 | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 38175 | 1RB#38  | 26.39 | 27.79 | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 38175 | 1RB#74  | 26.3  | 27.7  | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 38175 | 75RB#0  | 25.91 | 27.31 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 38175 | 1RB#0   | 25.03 | 26.43 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 38175 | 1RB#38  | 25.54 | 26.94 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 38175 | 1RB#74  | 25.17 | 26.57 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 38175 | 75RB#0  | 25.03 | 26.43 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM  | 38175 | 1RB#0   | 24.05 | 25.45 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM  | 38175 | 1RB#38  | 24.73 | 26.13 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM  | 38175 | 1RB#74  | 24.34 | 25.74 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM  | 38175 | 75RB#0  | 24.17 | 25.57 | 33.00 | PASS |
| Band38 | 15MHz | 256QAM | 38175 | 1RB#0   | 21    | 22.4  | 33.00 | PASS |
| Band38 | 15MHz | 256QAM | 38175 | 1RB#38  | 22.13 | 23.53 | 33.00 | PASS |
| Band38 | 15MHz | 256QAM | 38175 | 1RB#74  | 21.62 | 23.02 | 33.00 | PASS |
| Band38 | 15MHz | 256QAM | 38175 | 75RB#0  | 21.41 | 22.81 | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 37850 | 1RB#0   | 26.37 | 27.77 | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 37850 | 1RB#49  | 26.4  | 27.8  | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 37850 | 1RB#99  | 26.33 | 27.73 | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 37850 | 100RB#0 | 25.94 | 27.34 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM  | 37850 | 1RB#0   | 25.19 | 26.59 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM  | 37850 | 1RB#49  | 25.53 | 26.93 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM  | 37850 | 1RB#99  | 25.25 | 26.65 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM  | 37850 | 100RB#0 | 25.08 | 26.48 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 37850 | 1RB#0   | 24.13 | 25.53 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 37850 | 1RB#49  | 24.35 | 25.75 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 37850 | 1RB#99  | 24.39 | 25.79 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 37850 | 100RB#0 | 24.27 | 25.67 | 33.00 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 1RB#0   | 21.29 | 22.69 | 33.00 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 1RB#49  | 21.37 | 22.77 | 33.00 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 1RB#99  | 21.63 | 23.03 | 33.00 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 100RB#0 | 21.42 | 22.82 | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 38000 | 1RB#0   | 26.44 | 27.84 | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 38000 | 1RB#49  | 26.46 | 27.86 | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 38000 | 1RB#99  | 26.07 | 27.47 | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 38000 | 100RB#0 | 25.76 | 27.16 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM  | 38000 | 1RB#0   | 25.35 | 26.75 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM  | 38000 | 1RB#49  | 25.38 | 26.78 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM  | 38000 | 1RB#99  | 25.1  | 26.5  | 33.00 | PASS |
| Band38 | 20MHz | 16QAM  | 38000 | 100RB#0 | 24.95 | 26.35 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 38000 | 1RB#0   | 24.39 | 25.79 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 38000 | 1RB#49  | 24.28 | 25.68 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 38000 | 1RB#99  | 24.07 | 25.47 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 38000 | 100RB#0 | 24.13 | 25.53 | 33.00 | PASS |

|        |       |        |       |         |       |       |       |      |
|--------|-------|--------|-------|---------|-------|-------|-------|------|
| Band38 | 20MHz | 256QAM | 38000 | 1RB#0   | 21.56 | 22.96 | 33.00 | PASS |
| Band38 | 20MHz | 256QAM | 38000 | 1RB#49  | 21.52 | 22.92 | 33.00 | PASS |
| Band38 | 20MHz | 256QAM | 38000 | 1RB#99  | 21.08 | 22.48 | 33.00 | PASS |
| Band38 | 20MHz | 256QAM | 38000 | 100RB#0 | 21.36 | 22.76 | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 38150 | 1RB#0   | 26.39 | 27.79 | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 38150 | 1RB#49  | 26.34 | 27.74 | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 38150 | 1RB#99  | 26.37 | 27.77 | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 38150 | 100RB#0 | 25.76 | 27.16 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM  | 38150 | 1RB#0   | 25.29 | 26.69 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM  | 38150 | 1RB#49  | 25.26 | 26.66 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM  | 38150 | 1RB#99  | 25.18 | 26.58 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM  | 38150 | 100RB#0 | 24.91 | 26.31 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 38150 | 1RB#0   | 24.21 | 25.61 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 38150 | 1RB#49  | 24.1  | 25.5  | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 38150 | 1RB#99  | 24.21 | 25.61 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 38150 | 100RB#0 | 24.01 | 25.41 | 33.00 | PASS |
| Band38 | 20MHz | 256QAM | 38150 | 1RB#0   | 21.34 | 22.74 | 33.00 | PASS |
| Band38 | 20MHz | 256QAM | 38150 | 1RB#49  | 21.42 | 22.82 | 33.00 | PASS |
| Band38 | 20MHz | 256QAM | 38150 | 1RB#99  | 21.3  | 22.7  | 33.00 | PASS |
| Band38 | 20MHz | 256QAM | 38150 | 100RB#0 | 21.17 | 22.57 | 33.00 | PASS |

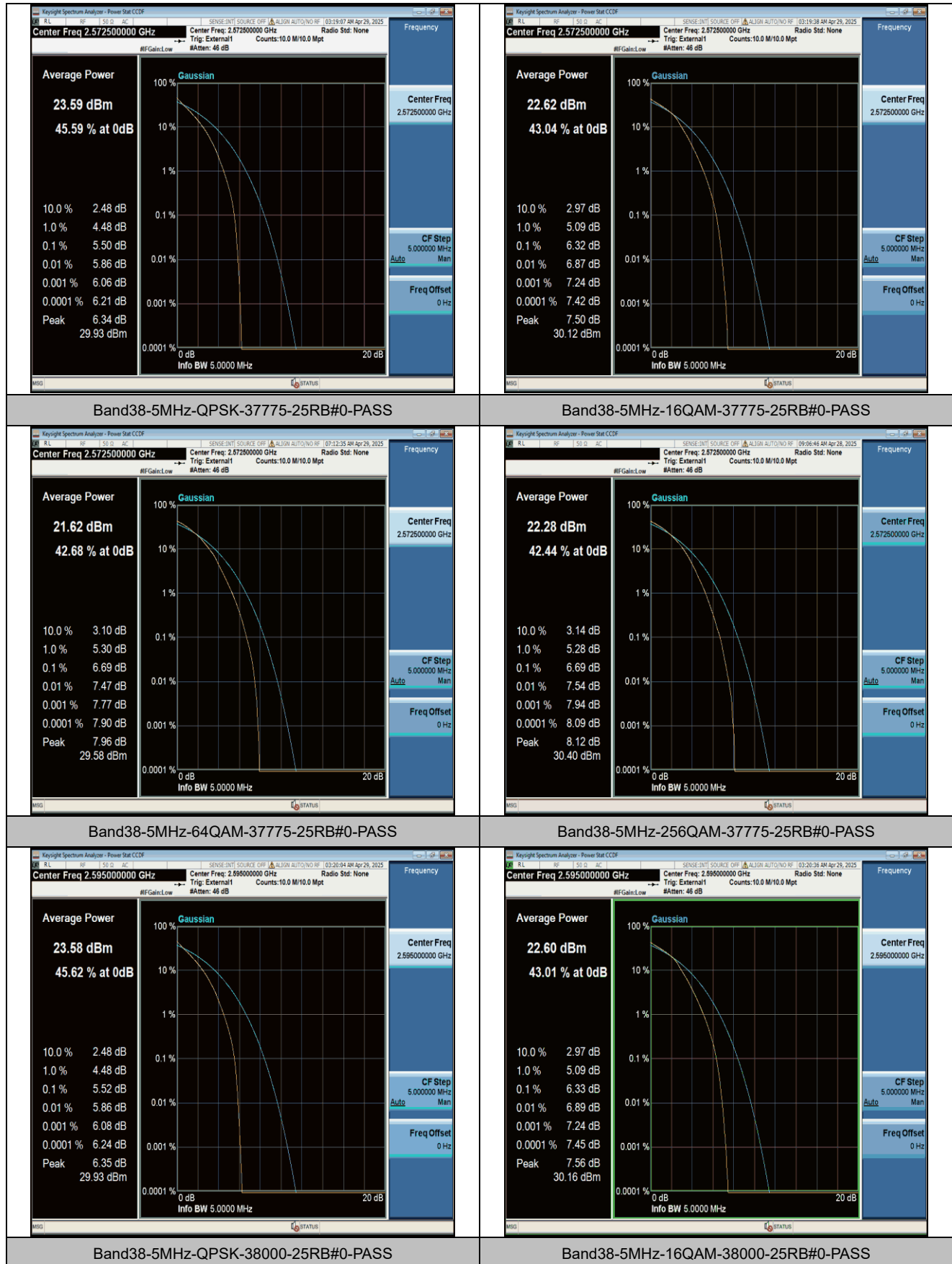
## Peak-to-Average Ratio(CCDF)

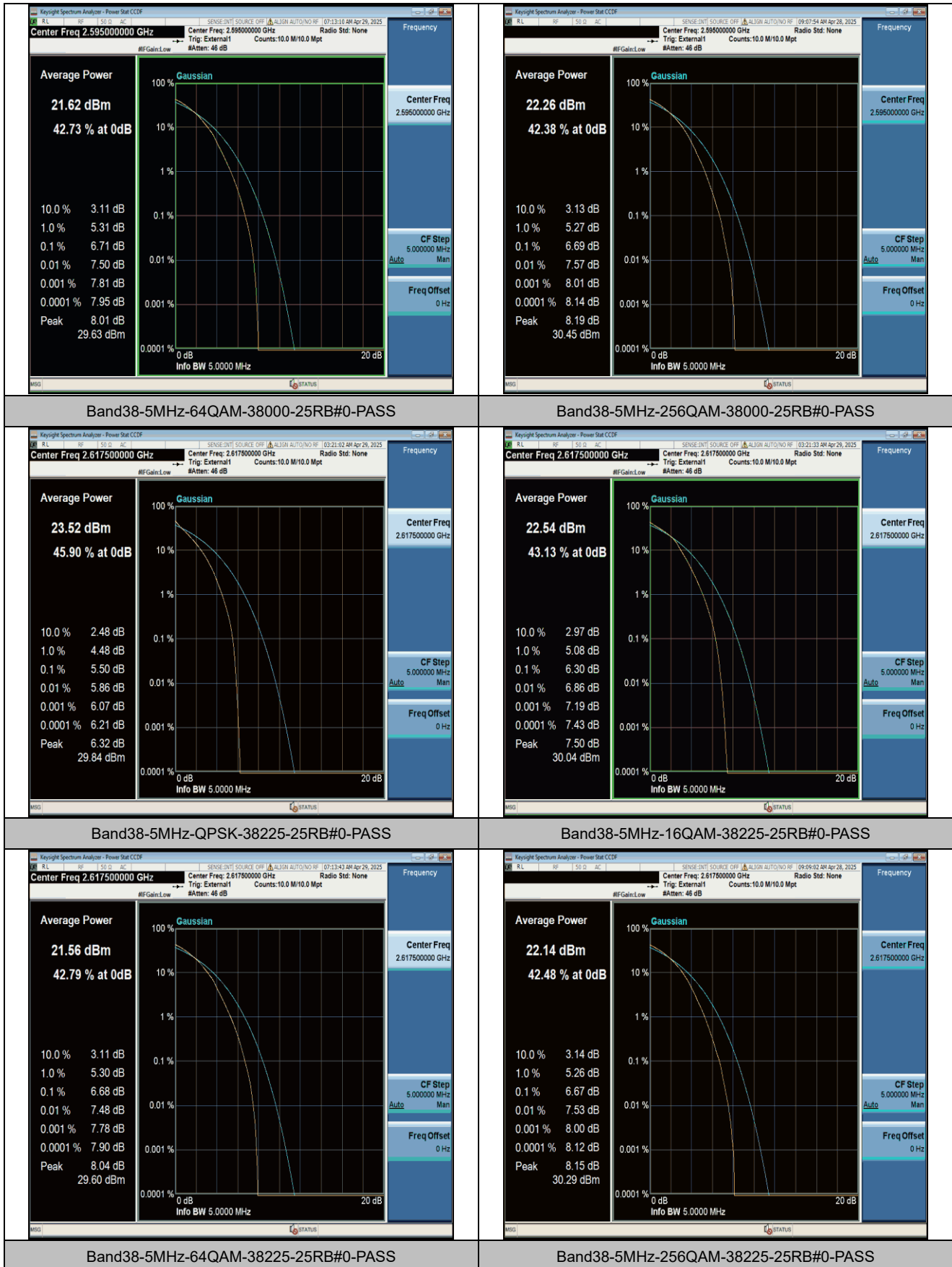
### Test Result

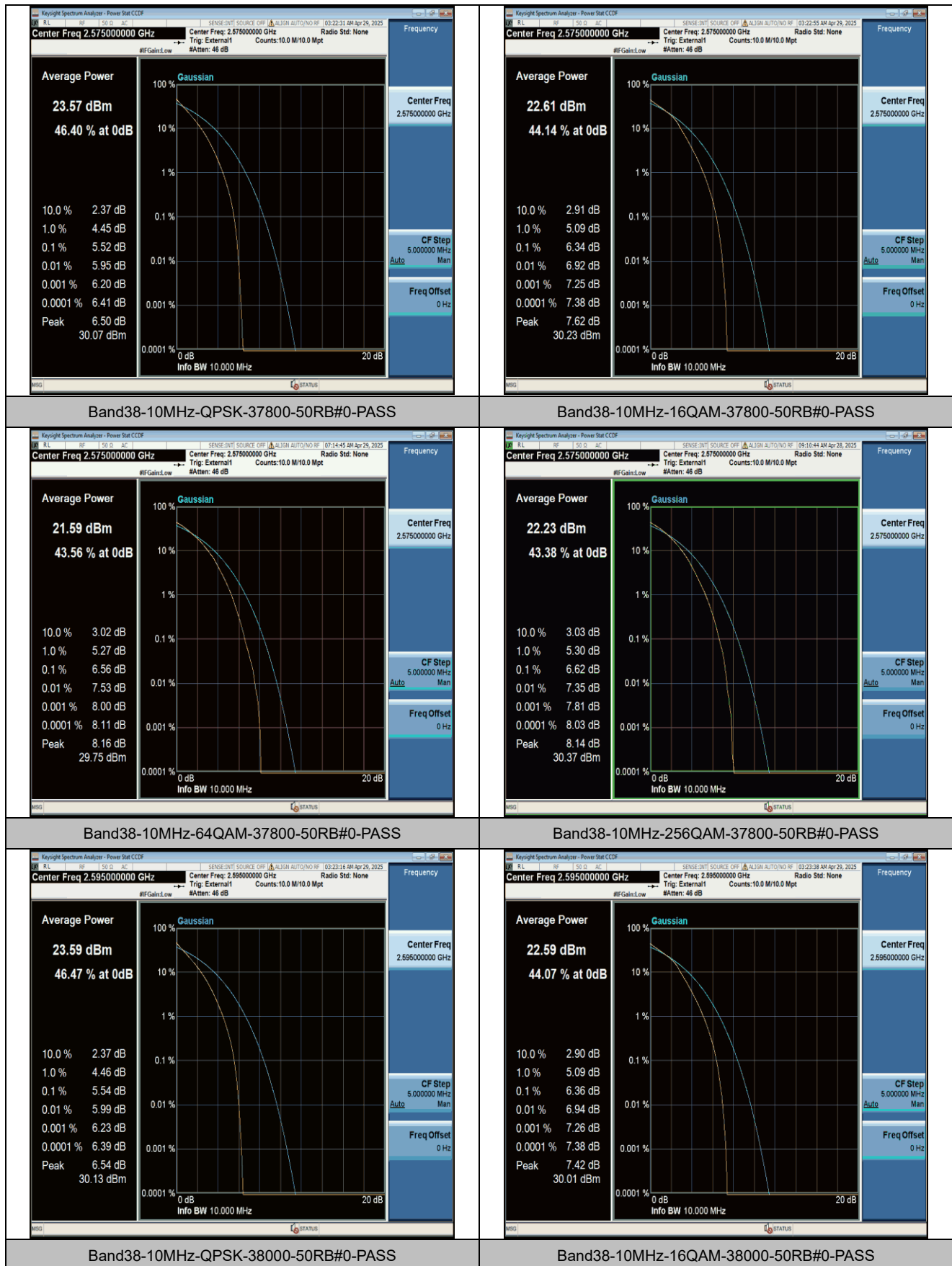
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result (dB) | Limit (dB) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|------------|---------|
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | 5.50        | 13         | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | 6.32        | 13         | PASS    |
| Band38 | 5MHz      | 64QAM      | 37775   | 25RB#0           | 6.69        | 13         | PASS    |
| Band38 | 5MHz      | 256QAM     | 37775   | 25RB#0           | 6.69        | 13         | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | 5.52        | 13         | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | 6.33        | 13         | PASS    |
| Band38 | 5MHz      | 64QAM      | 38000   | 25RB#0           | 6.71        | 13         | PASS    |
| Band38 | 5MHz      | 256QAM     | 38000   | 25RB#0           | 6.69        | 13         | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | 5.50        | 13         | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | 6.30        | 13         | PASS    |
| Band38 | 5MHz      | 64QAM      | 38225   | 25RB#0           | 6.68        | 13         | PASS    |
| Band38 | 5MHz      | 256QAM     | 38225   | 25RB#0           | 6.67        | 13         | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 50RB#0           | 5.52        | 13         | PASS    |
| Band38 | 10MHz     | 16QAM      | 37800   | 50RB#0           | 6.34        | 13         | PASS    |
| Band38 | 10MHz     | 64QAM      | 37800   | 50RB#0           | 6.56        | 13         | PASS    |
| Band38 | 10MHz     | 256QAM     | 37800   | 50RB#0           | 6.62        | 13         | PASS    |
| Band38 | 10MHz     | QPSK       | 38000   | 50RB#0           | 5.54        | 13         | PASS    |
| Band38 | 10MHz     | 16QAM      | 38000   | 50RB#0           | 6.36        | 13         | PASS    |
| Band38 | 10MHz     | 64QAM      | 38000   | 50RB#0           | 6.81        | 13         | PASS    |
| Band38 | 10MHz     | 256QAM     | 38000   | 50RB#0           | 6.67        | 13         | PASS    |
| Band38 | 10MHz     | QPSK       | 38200   | 50RB#0           | 5.53        | 13         | PASS    |
| Band38 | 10MHz     | 16QAM      | 38200   | 50RB#0           | 6.31        | 13         | PASS    |
| Band38 | 10MHz     | 64QAM      | 38200   | 50RB#0           | 6.65        | 13         | PASS    |
| Band38 | 10MHz     | 256QAM     | 38200   | 50RB#0           | 6.68        | 13         | PASS    |
| Band38 | 15MHz     | QPSK       | 37825   | 75RB#0           | 5.41        | 13         | PASS    |
| Band38 | 15MHz     | 16QAM      | 37825   | 75RB#0           | 6.24        | 13         | PASS    |
| Band38 | 15MHz     | 64QAM      | 37825   | 75RB#0           | 6.73        | 13         | PASS    |
| Band38 | 15MHz     | 256QAM     | 37825   | 75RB#0           | 6.62        | 13         | PASS    |
| Band38 | 15MHz     | QPSK       | 38000   | 75RB#0           | 5.36        | 13         | PASS    |
| Band38 | 15MHz     | 16QAM      | 38000   | 75RB#0           | 6.25        | 13         | PASS    |
| Band38 | 15MHz     | 64QAM      | 38000   | 75RB#0           | 6.72        | 13         | PASS    |
| Band38 | 15MHz     | 256QAM     | 38000   | 75RB#0           | 6.60        | 13         | PASS    |
| Band38 | 15MHz     | QPSK       | 38175   | 75RB#0           | 5.33        | 13         | PASS    |
| Band38 | 15MHz     | 16QAM      | 38175   | 75RB#0           | 6.22        | 13         | PASS    |
| Band38 | 15MHz     | 64QAM      | 38175   | 75RB#0           | 6.71        | 13         | PASS    |
| Band38 | 15MHz     | 256QAM     | 38175   | 75RB#0           | 6.61        | 13         | PASS    |
| Band38 | 20MHz     | QPSK       | 37850   | 100RB#0          | 5.54        | 13         | PASS    |
| Band38 | 20MHz     | 16QAM      | 37850   | 100RB#0          | 6.35        | 13         | PASS    |
| Band38 | 20MHz     | 64QAM      | 37850   | 100RB#0          | 6.69        | 13         | PASS    |

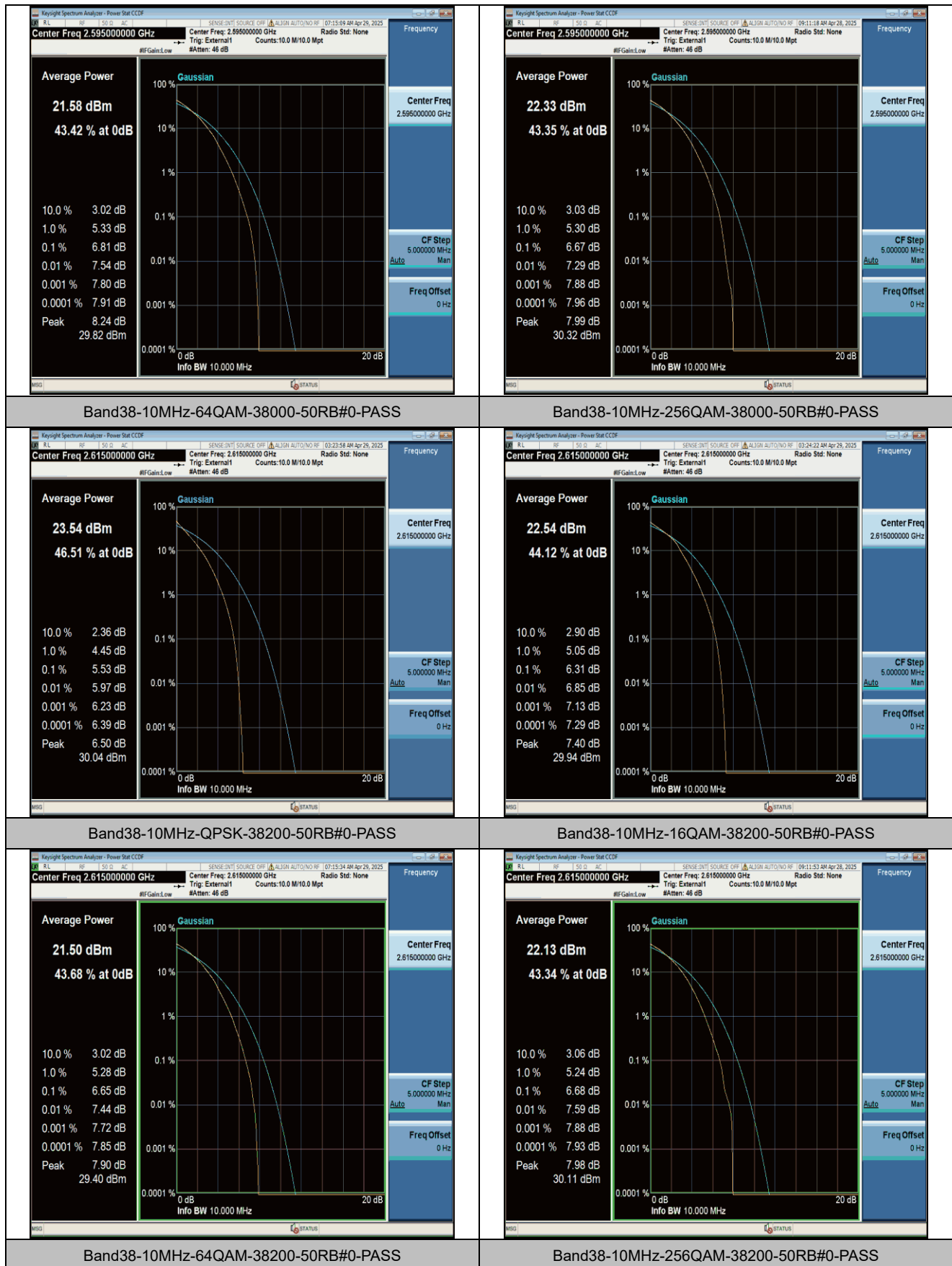
|        |       |        |       |         |      |    |      |
|--------|-------|--------|-------|---------|------|----|------|
| Band38 | 20MHz | 256QAM | 37850 | 100RB#0 | 7.13 | 13 | PASS |
| Band38 | 20MHz | QPSK   | 38000 | 100RB#0 | 5.52 | 13 | PASS |
| Band38 | 20MHz | 16QAM  | 38000 | 100RB#0 | 6.34 | 13 | PASS |
| Band38 | 20MHz | 64QAM  | 38000 | 100RB#0 | 6.62 | 13 | PASS |
| Band38 | 20MHz | 256QAM | 38000 | 100RB#0 | 6.93 | 13 | PASS |
| Band38 | 20MHz | QPSK   | 38150 | 100RB#0 | 5.53 | 13 | PASS |
| Band38 | 20MHz | 16QAM  | 38150 | 100RB#0 | 6.36 | 13 | PASS |
| Band38 | 20MHz | 64QAM  | 38150 | 100RB#0 | 6.75 | 13 | PASS |
| Band38 | 20MHz | 256QAM | 38150 | 100RB#0 | 7.11 | 13 | PASS |

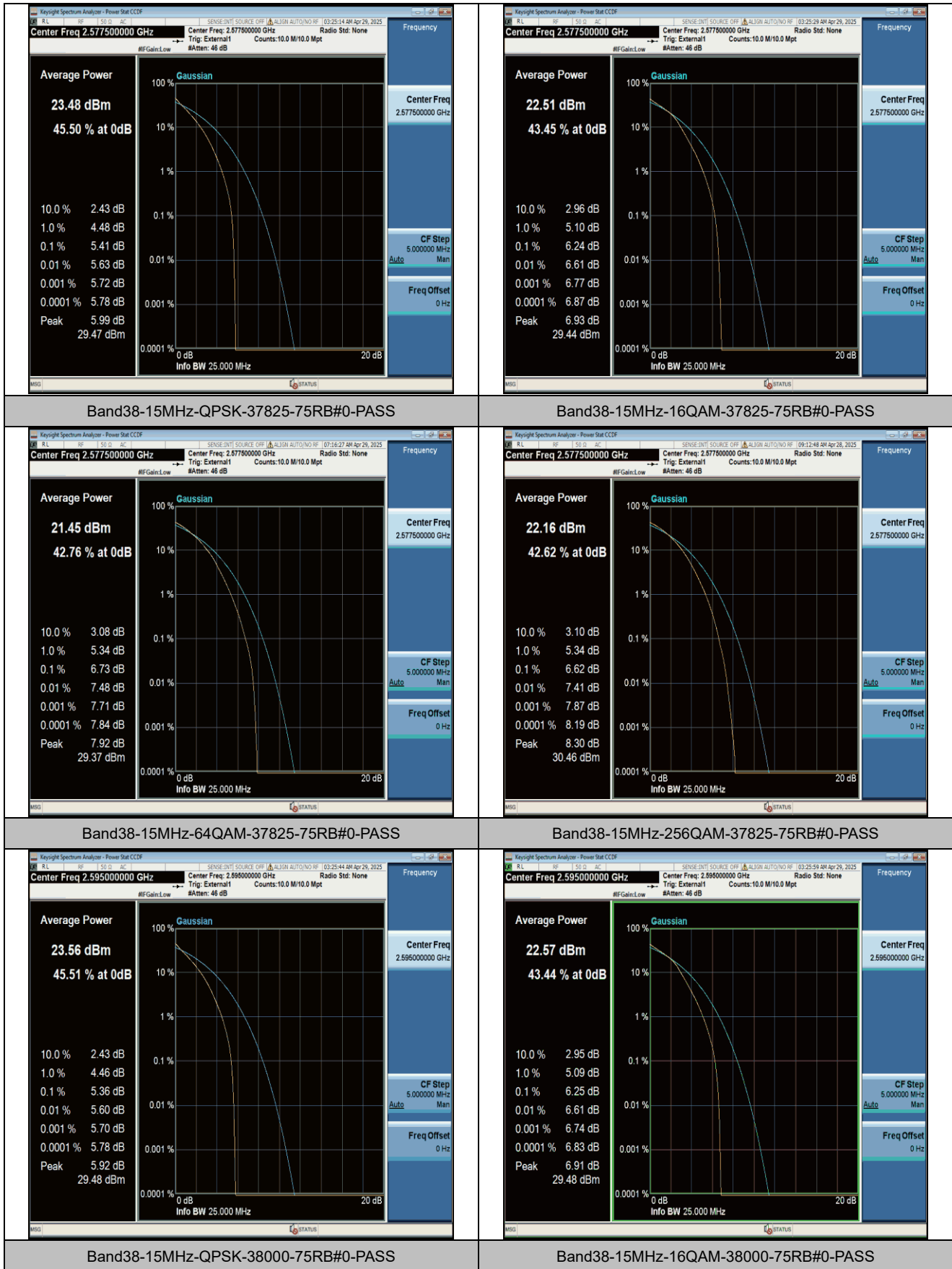
## Test Graphs

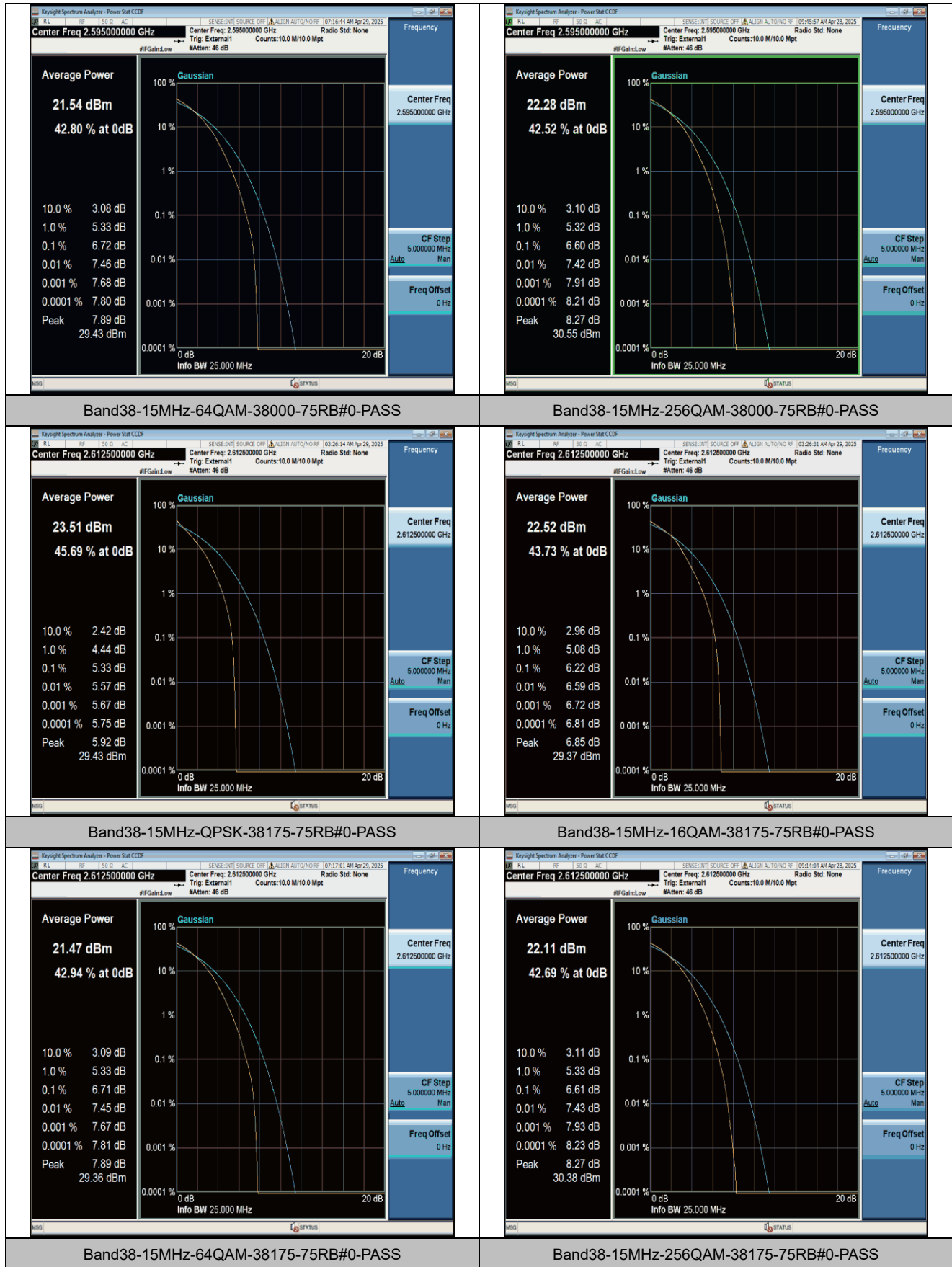


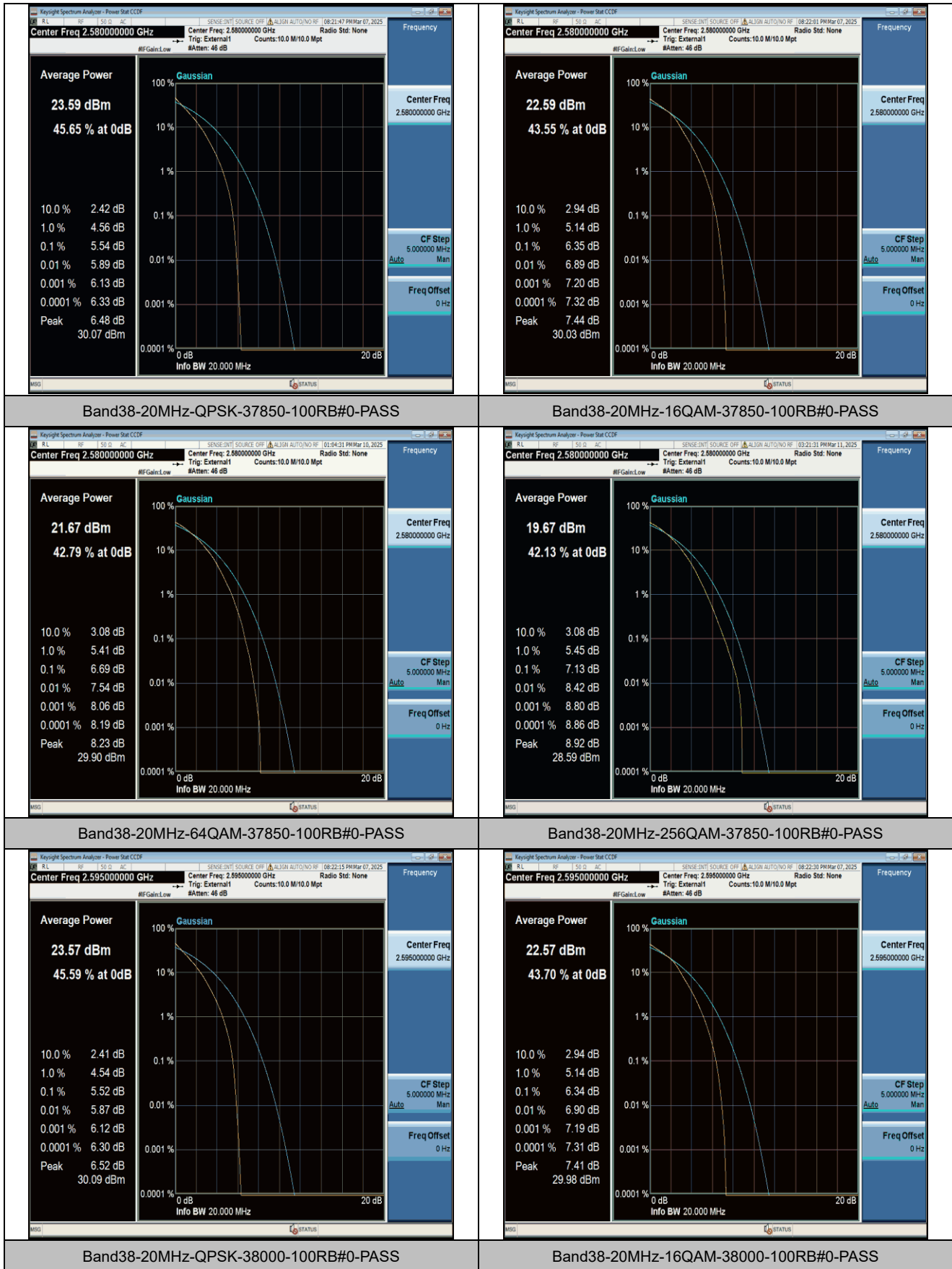


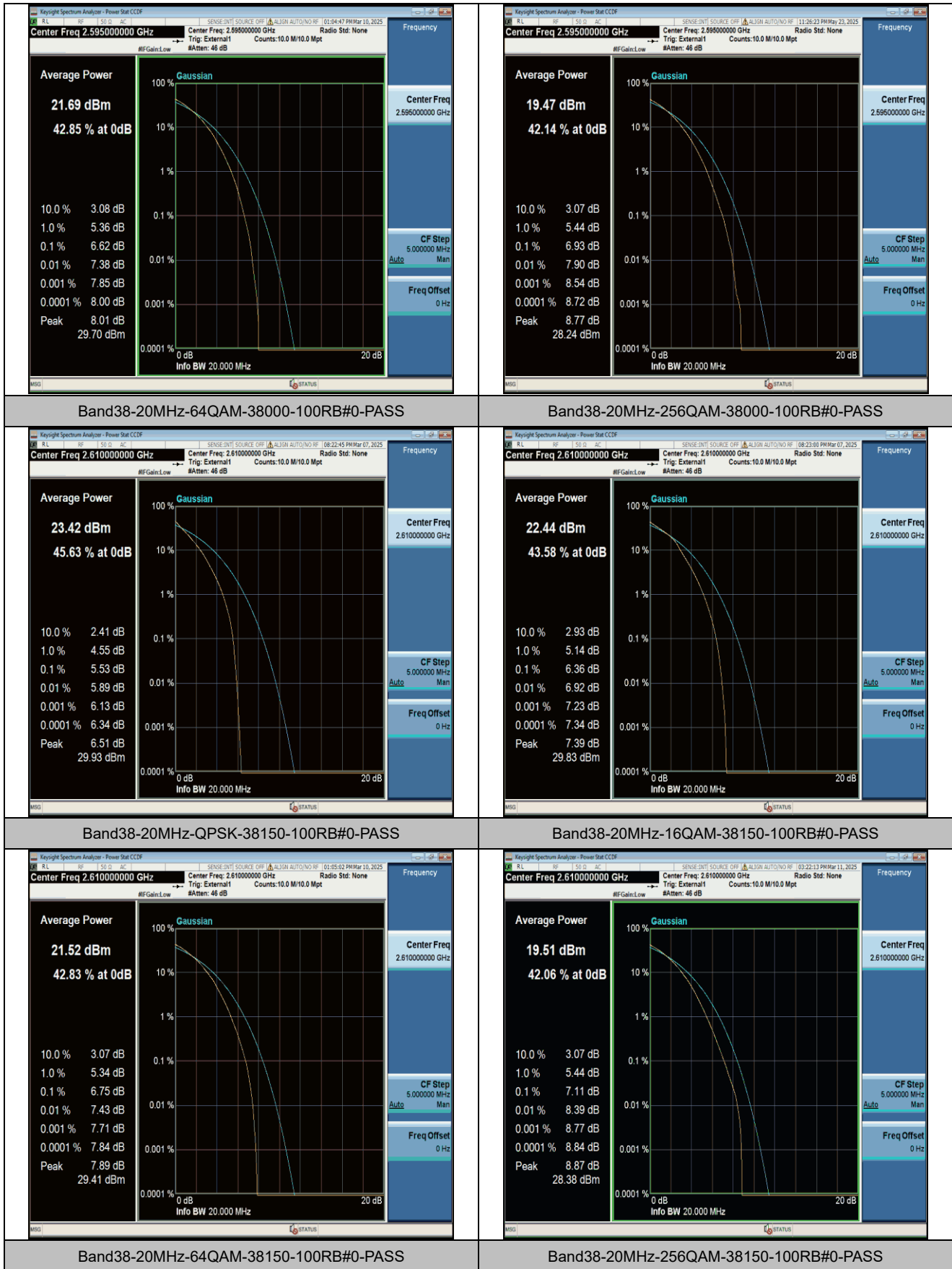












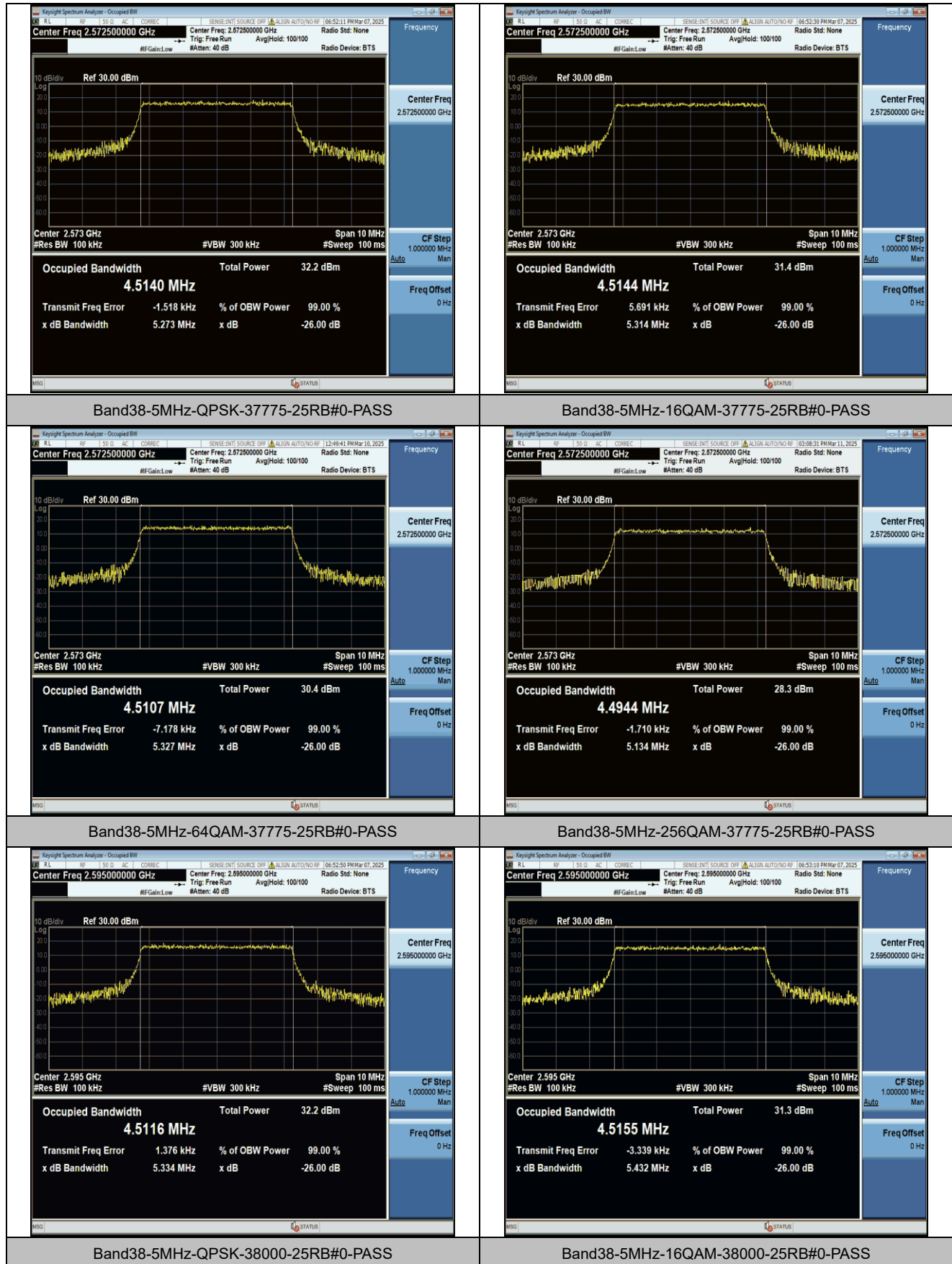
## 26dB Bandwidth and Occupied Bandwidth

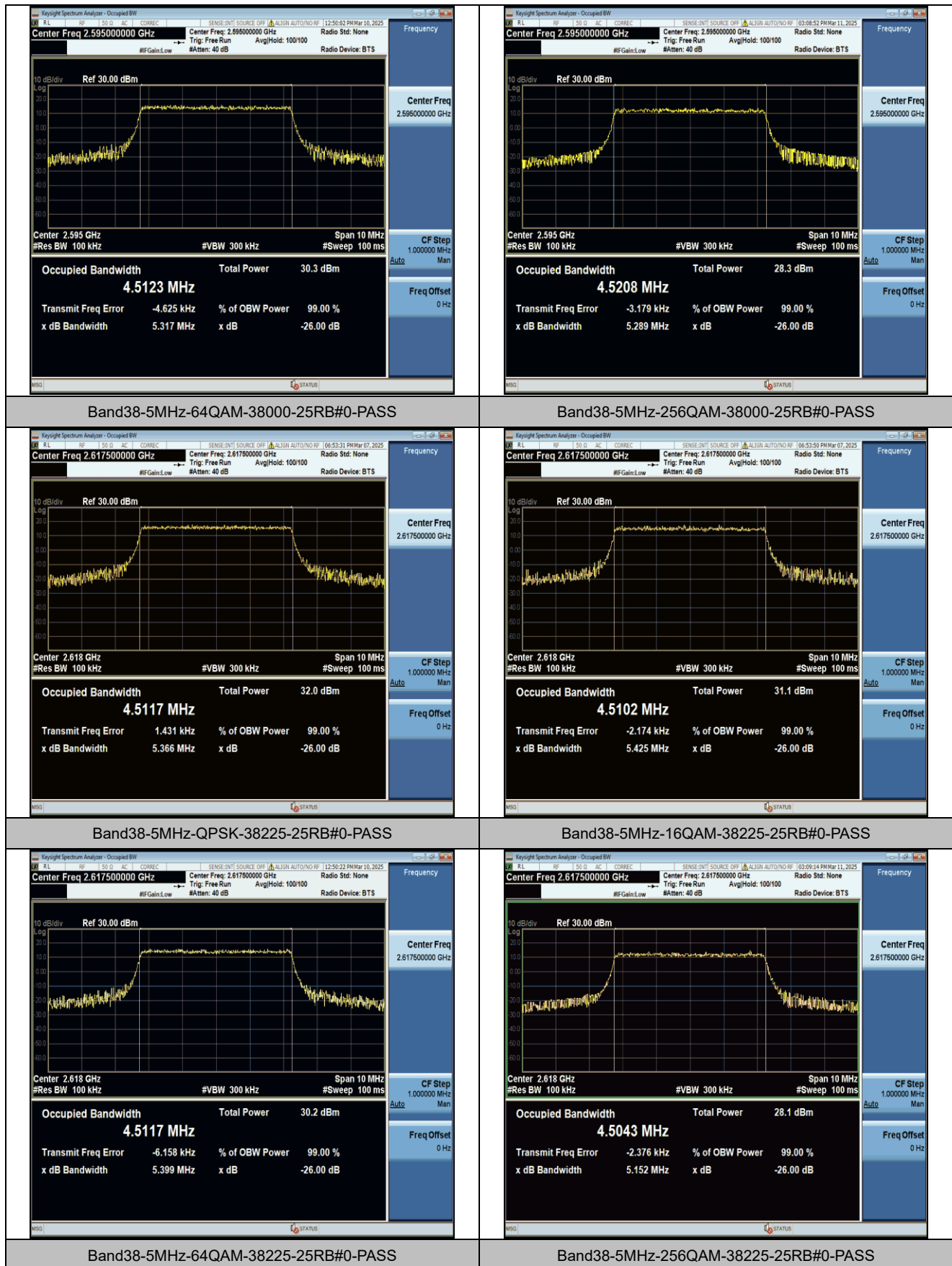
### Test Result

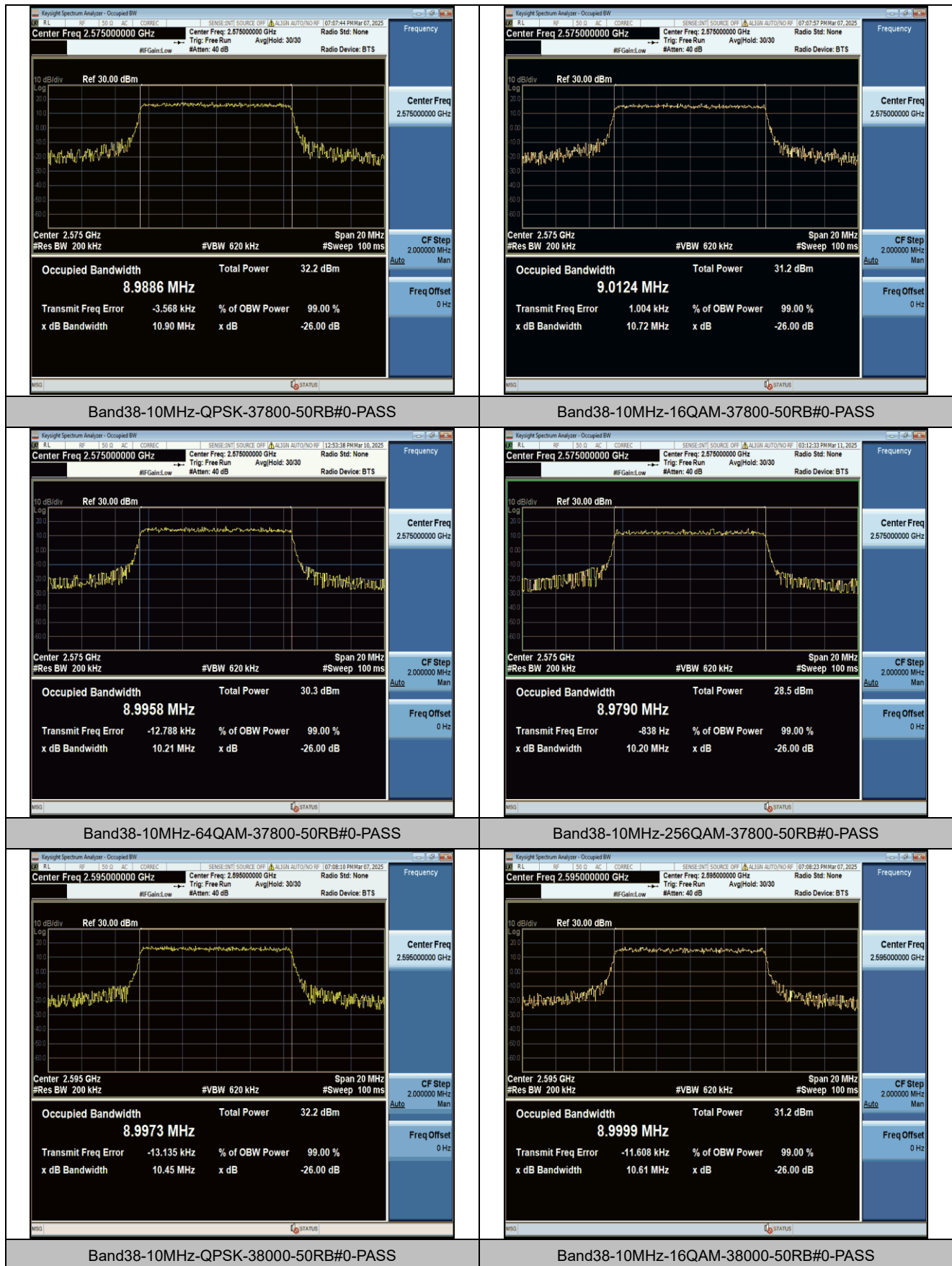
| Band   | Bandwidth | Modulation | Channel | RB Configuration | OBW (MHz) | 26dB EBW (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|-----------|----------------|---------|
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | 4.5140    | 5.273          | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | 4.5144    | 5.314          | PASS    |
| Band38 | 5MHz      | 64QAM      | 37775   | 25RB#0           | 4.5107    | 5.327          | PASS    |
| Band38 | 5MHz      | 256QAM     | 37775   | 25RB#0           | 4.4944    | 5.134          | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | 4.5116    | 5.334          | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | 4.5155    | 5.432          | PASS    |
| Band38 | 5MHz      | 64QAM      | 38000   | 25RB#0           | 4.5123    | 5.317          | PASS    |
| Band38 | 5MHz      | 256QAM     | 38000   | 25RB#0           | 4.5208    | 5.289          | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | 4.5117    | 5.366          | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | 4.5102    | 5.425          | PASS    |
| Band38 | 5MHz      | 64QAM      | 38225   | 25RB#0           | 4.5117    | 5.399          | PASS    |
| Band38 | 5MHz      | 256QAM     | 38225   | 25RB#0           | 4.5043    | 5.152          | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 50RB#0           | 8.9886    | 10.90          | PASS    |
| Band38 | 10MHz     | 16QAM      | 37800   | 50RB#0           | 9.0124    | 10.72          | PASS    |
| Band38 | 10MHz     | 64QAM      | 37800   | 50RB#0           | 8.9958    | 10.21          | PASS    |
| Band38 | 10MHz     | 256QAM     | 37800   | 50RB#0           | 8.9790    | 10.20          | PASS    |
| Band38 | 10MHz     | QPSK       | 38000   | 50RB#0           | 8.9973    | 10.45          | PASS    |
| Band38 | 10MHz     | 16QAM      | 38000   | 50RB#0           | 8.9999    | 10.61          | PASS    |
| Band38 | 10MHz     | 64QAM      | 38000   | 50RB#0           | 8.9987    | 10.25          | PASS    |
| Band38 | 10MHz     | 256QAM     | 38000   | 50RB#0           | 9.0115    | 10.43          | PASS    |
| Band38 | 10MHz     | QPSK       | 38200   | 50RB#0           | 9.0088    | 10.42          | PASS    |
| Band38 | 10MHz     | 16QAM      | 38200   | 50RB#0           | 9.0168    | 10.89          | PASS    |
| Band38 | 10MHz     | 64QAM      | 38200   | 50RB#0           | 8.9883    | 10.45          | PASS    |
| Band38 | 10MHz     | 256QAM     | 38200   | 50RB#0           | 8.9910    | 10.87          | PASS    |
| Band38 | 15MHz     | QPSK       | 37825   | 75RB#0           | 13.483    | 15.29          | PASS    |
| Band38 | 15MHz     | 16QAM      | 37825   | 75RB#0           | 13.524    | 15.44          | PASS    |
| Band38 | 15MHz     | 64QAM      | 37825   | 75RB#0           | 13.482    | 15.78          | PASS    |
| Band38 | 15MHz     | 256QAM     | 37825   | 75RB#0           | 13.473    | 15.58          | PASS    |
| Band38 | 15MHz     | QPSK       | 38000   | 75RB#0           | 13.513    | 15.45          | PASS    |
| Band38 | 15MHz     | 16QAM      | 38000   | 75RB#0           | 13.487    | 16.02          | PASS    |
| Band38 | 15MHz     | 64QAM      | 38000   | 75RB#0           | 13.491    | 16.21          | PASS    |
| Band38 | 15MHz     | 256QAM     | 38000   | 75RB#0           | 13.513    | 15.33          | PASS    |
| Band38 | 15MHz     | QPSK       | 38175   | 75RB#0           | 13.453    | 15.01          | PASS    |
| Band38 | 15MHz     | 16QAM      | 38175   | 75RB#0           | 13.495    | 15.22          | PASS    |
| Band38 | 15MHz     | 64QAM      | 38175   | 75RB#0           | 13.530    | 16.27          | PASS    |
| Band38 | 15MHz     | 256QAM     | 38175   | 75RB#0           | 13.504    | 15.29          | PASS    |
| Band38 | 20MHz     | QPSK       | 37850   | 100RB#0          | 17.983    | 21.04          | PASS    |
| Band38 | 20MHz     | 16QAM      | 37850   | 100RB#0          | 17.976    | 20.57          | PASS    |

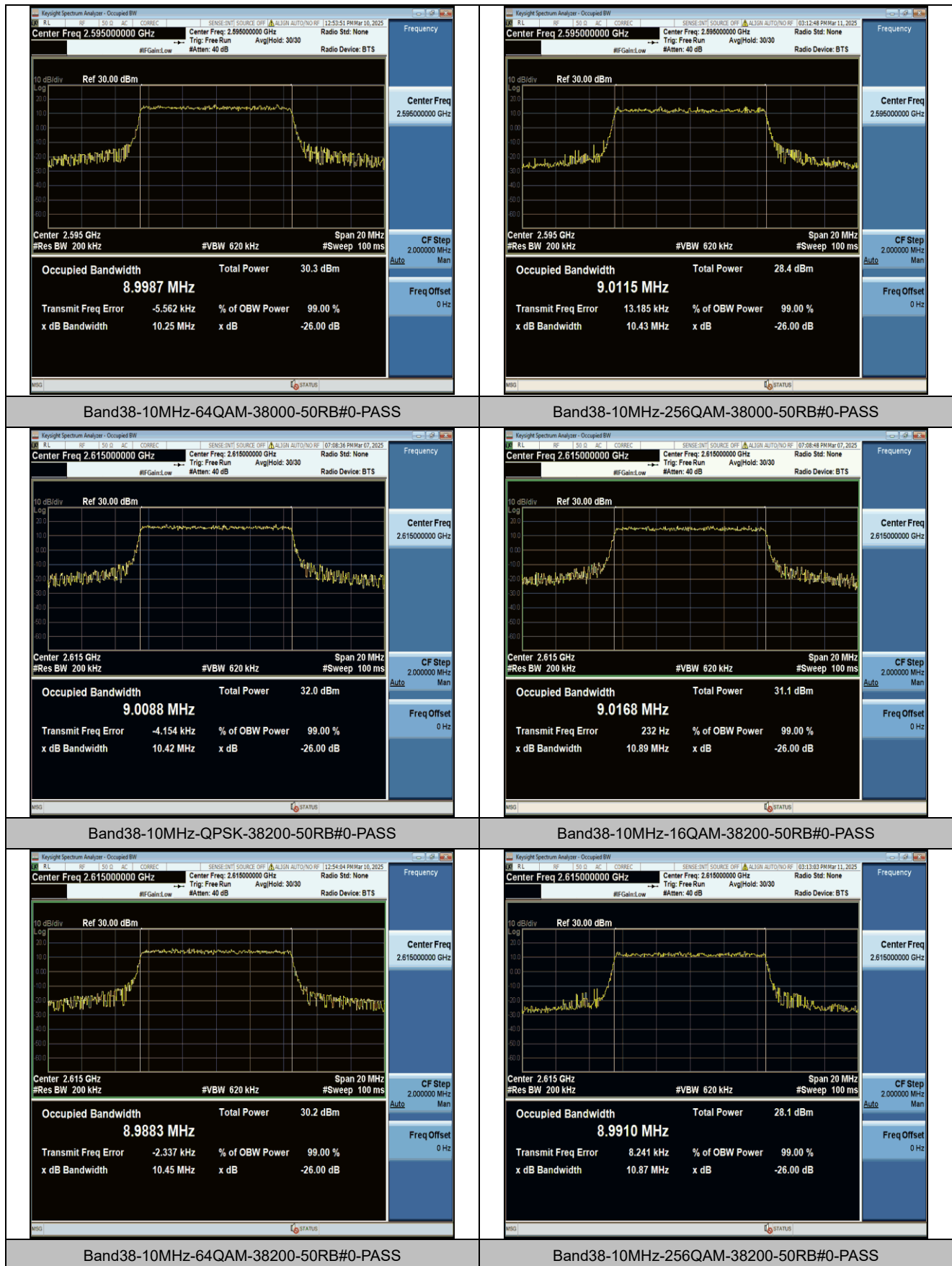
|        |       |        |       |         |        |       |      |
|--------|-------|--------|-------|---------|--------|-------|------|
| Band38 | 20MHz | 64QAM  | 37850 | 100RB#0 | 17.950 | 19.90 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 100RB#0 | 17.961 | 20.25 | PASS |
| Band38 | 20MHz | QPSK   | 38000 | 100RB#0 | 17.979 | 21.23 | PASS |
| Band38 | 20MHz | 16QAM  | 38000 | 100RB#0 | 17.988 | 21.22 | PASS |
| Band38 | 20MHz | 64QAM  | 38000 | 100RB#0 | 17.935 | 20.27 | PASS |
| Band38 | 20MHz | 256QAM | 38000 | 100RB#0 | 17.984 | 20.22 | PASS |
| Band38 | 20MHz | QPSK   | 38150 | 100RB#0 | 18.009 | 20.04 | PASS |
| Band38 | 20MHz | 16QAM  | 38150 | 100RB#0 | 18.024 | 20.51 | PASS |
| Band38 | 20MHz | 64QAM  | 38150 | 100RB#0 | 17.960 | 19.79 | PASS |
| Band38 | 20MHz | 256QAM | 38150 | 100RB#0 | 17.970 | 19.88 | PASS |

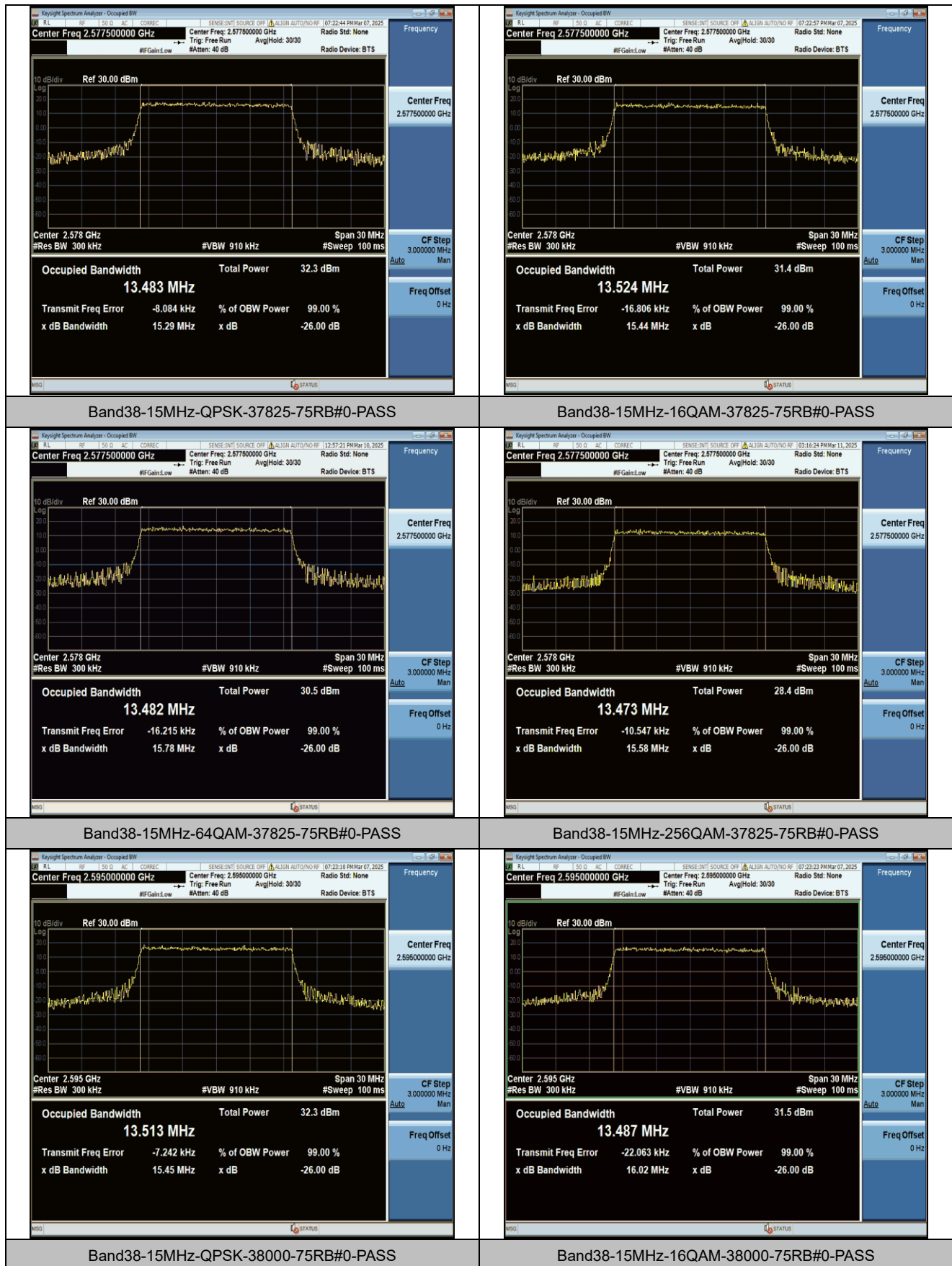
## Test Graphs

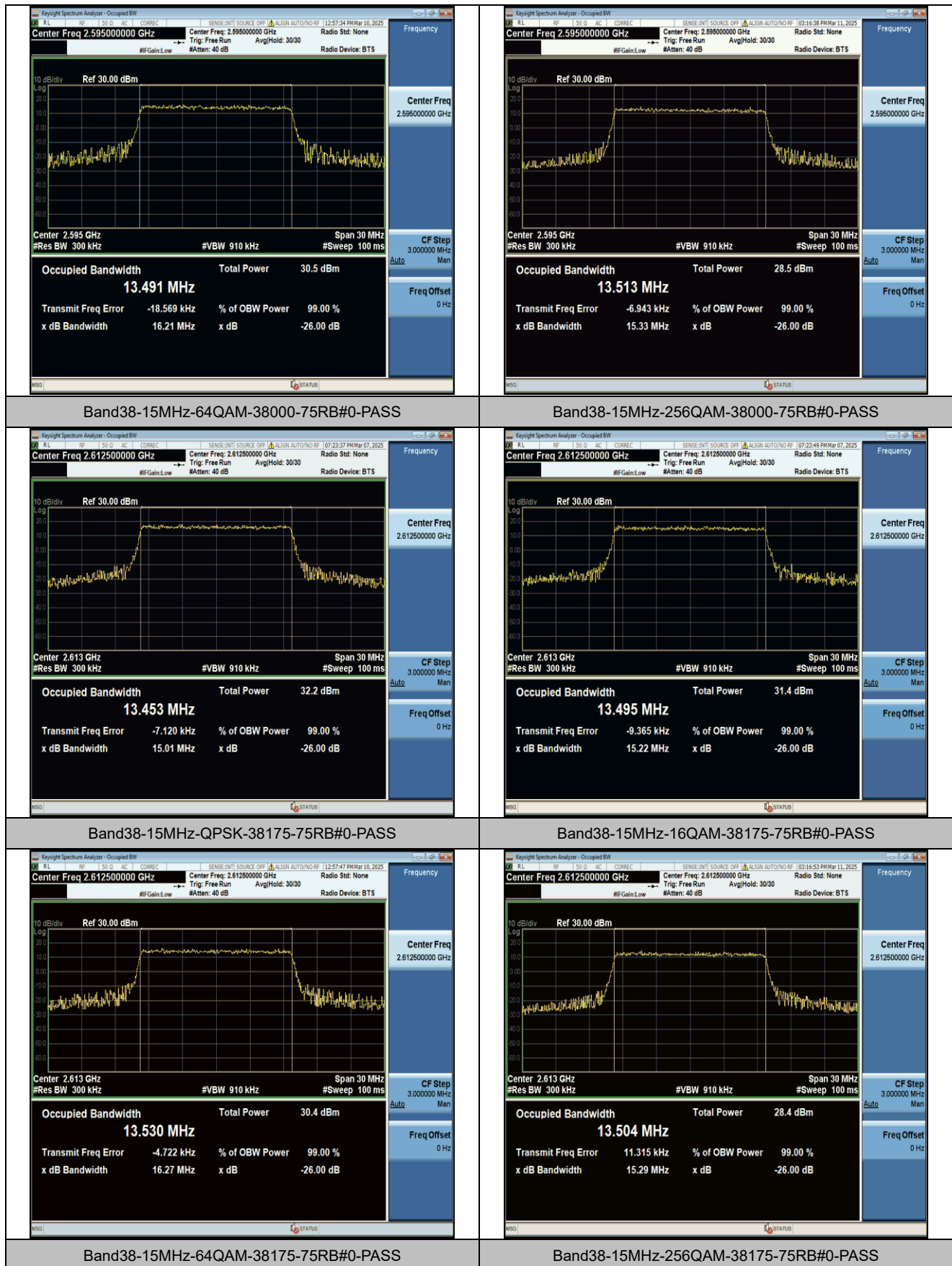


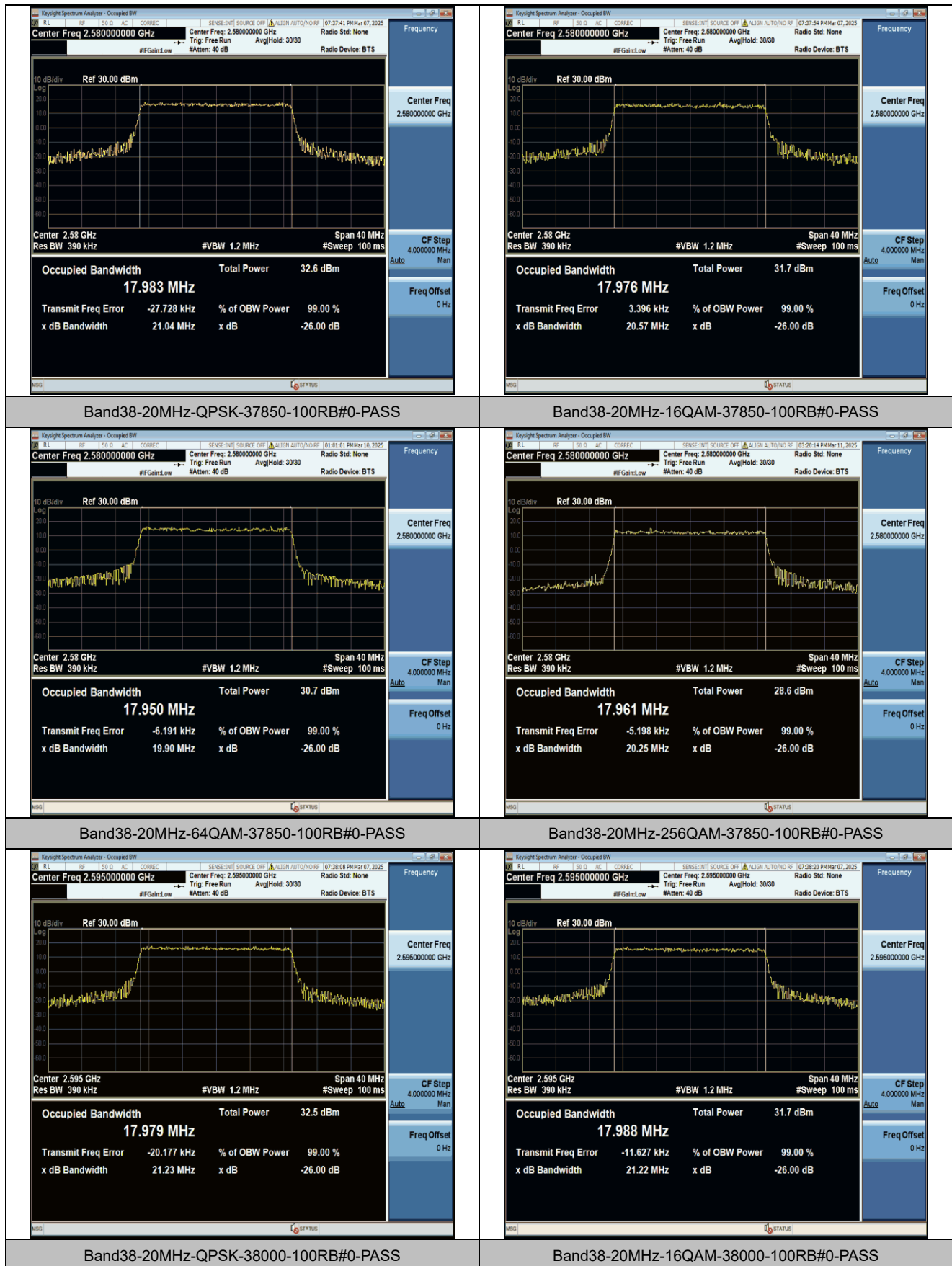


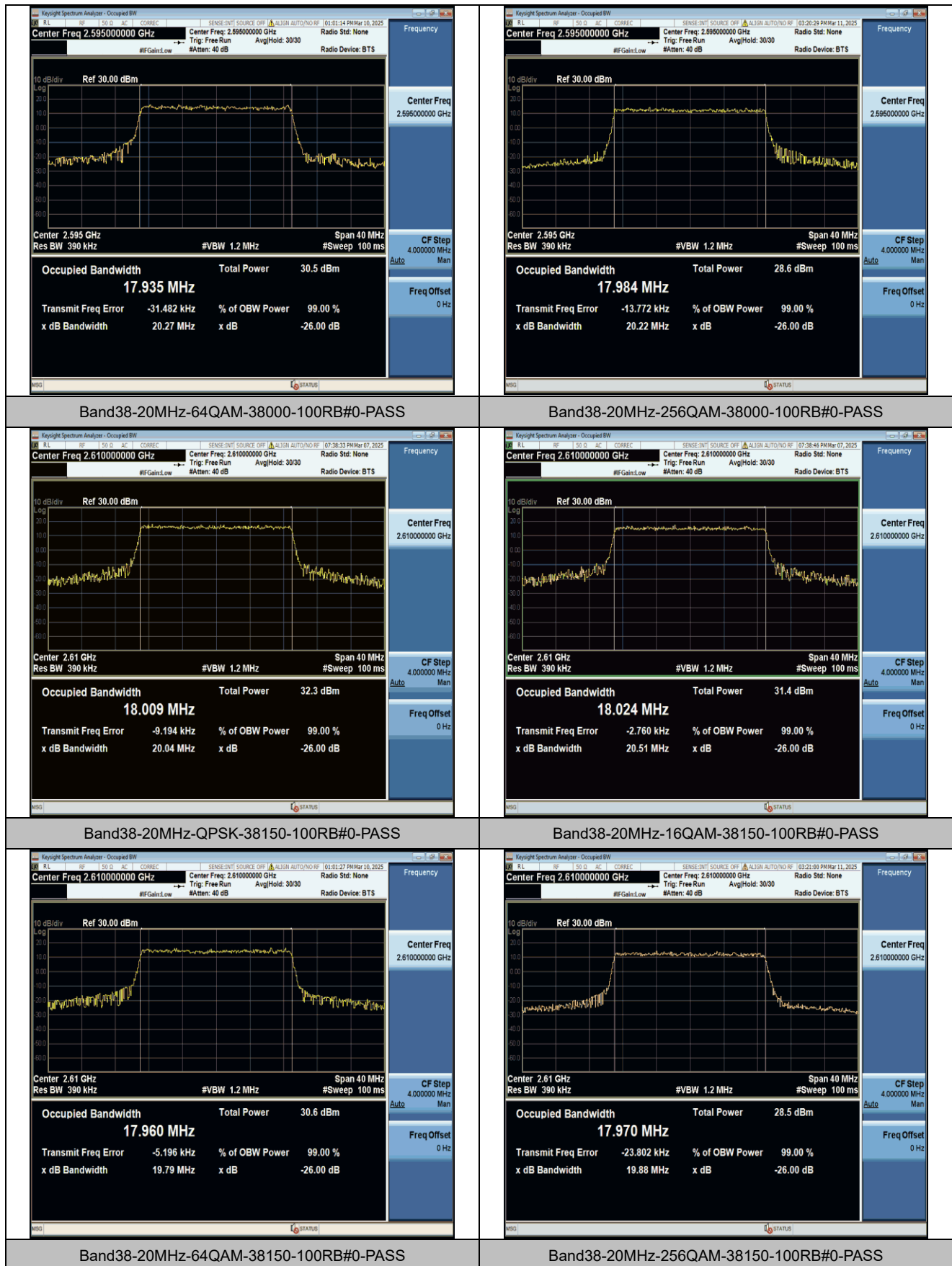






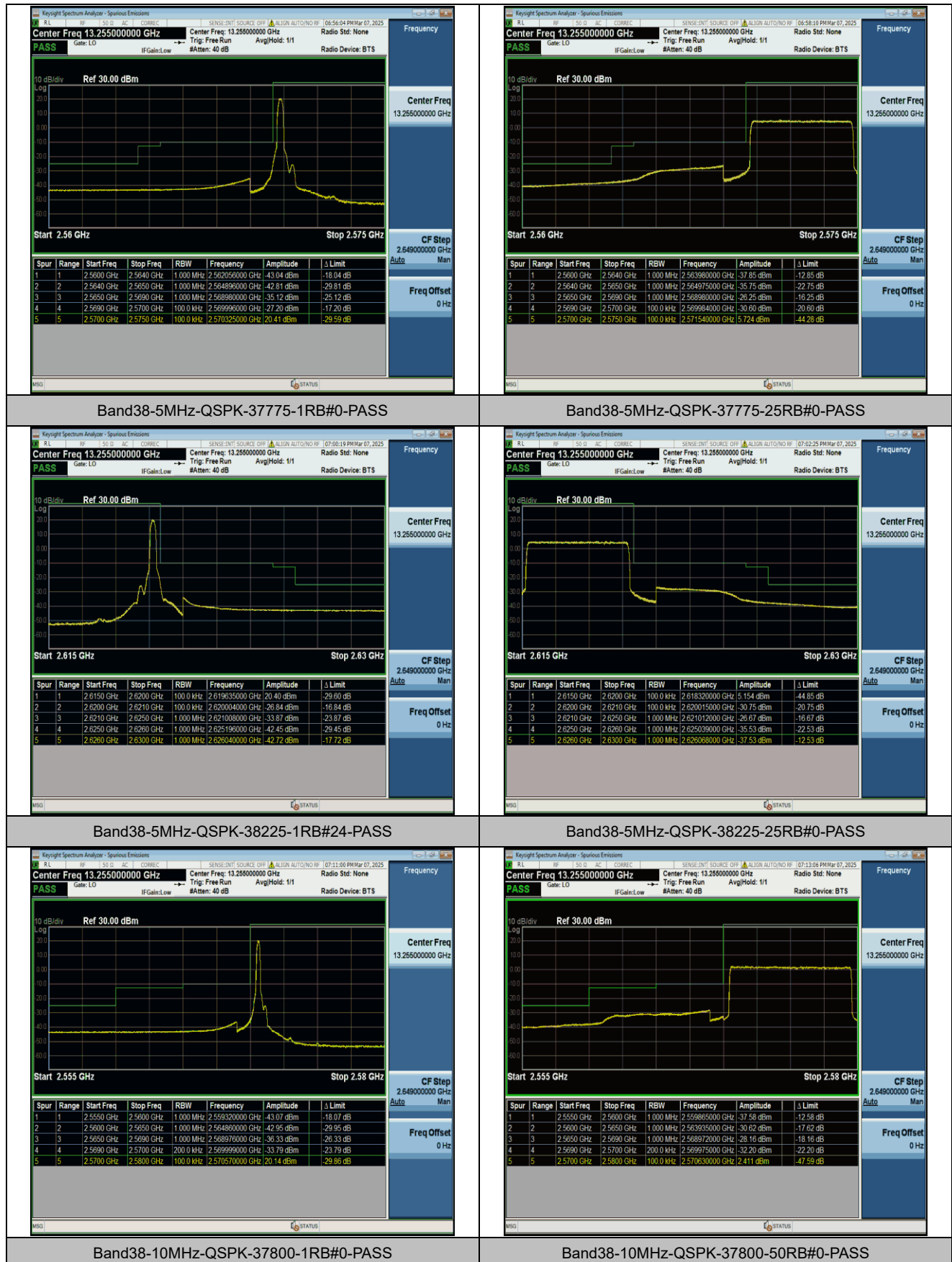


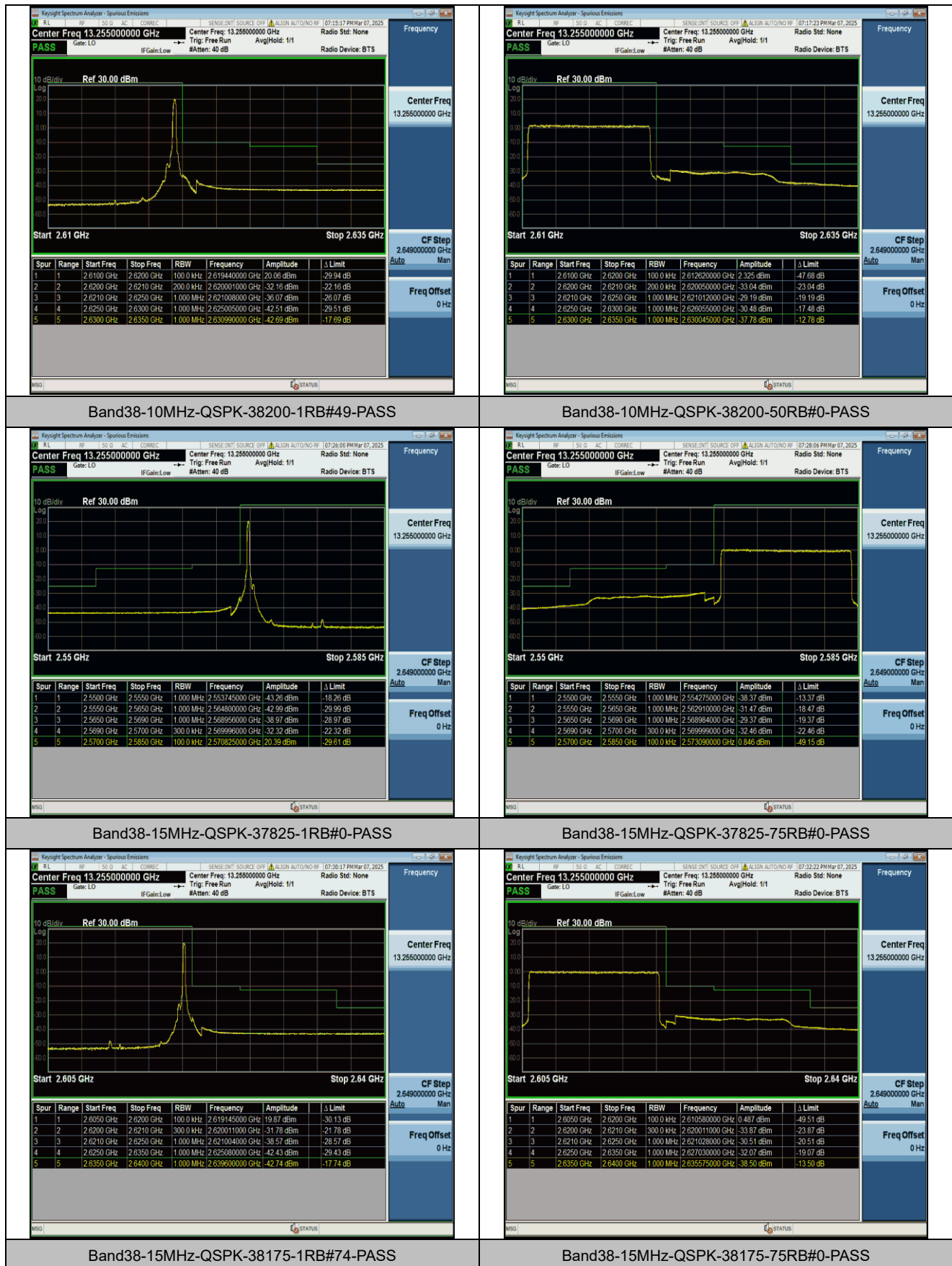


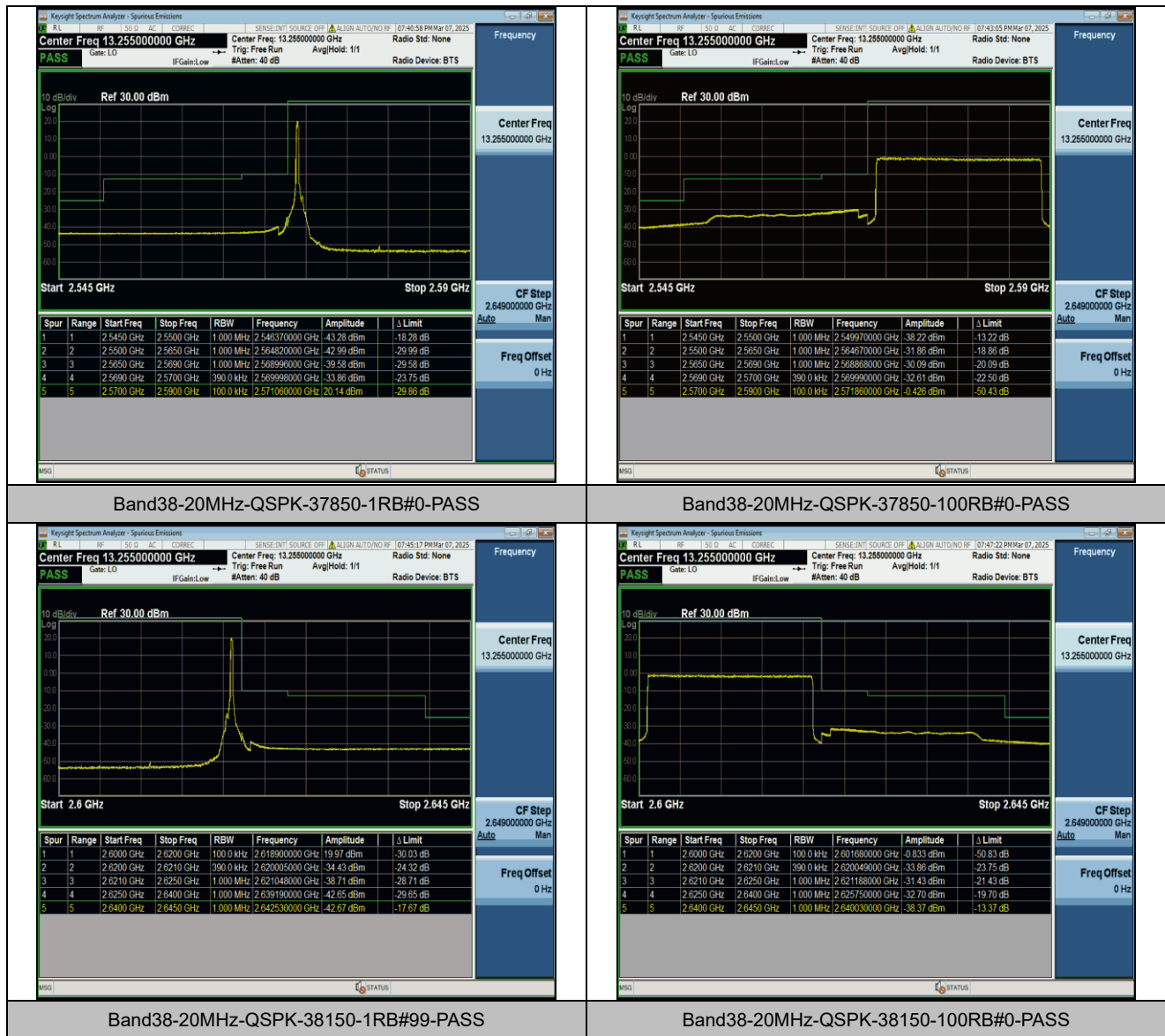


## Band Edge

## Test Graphs

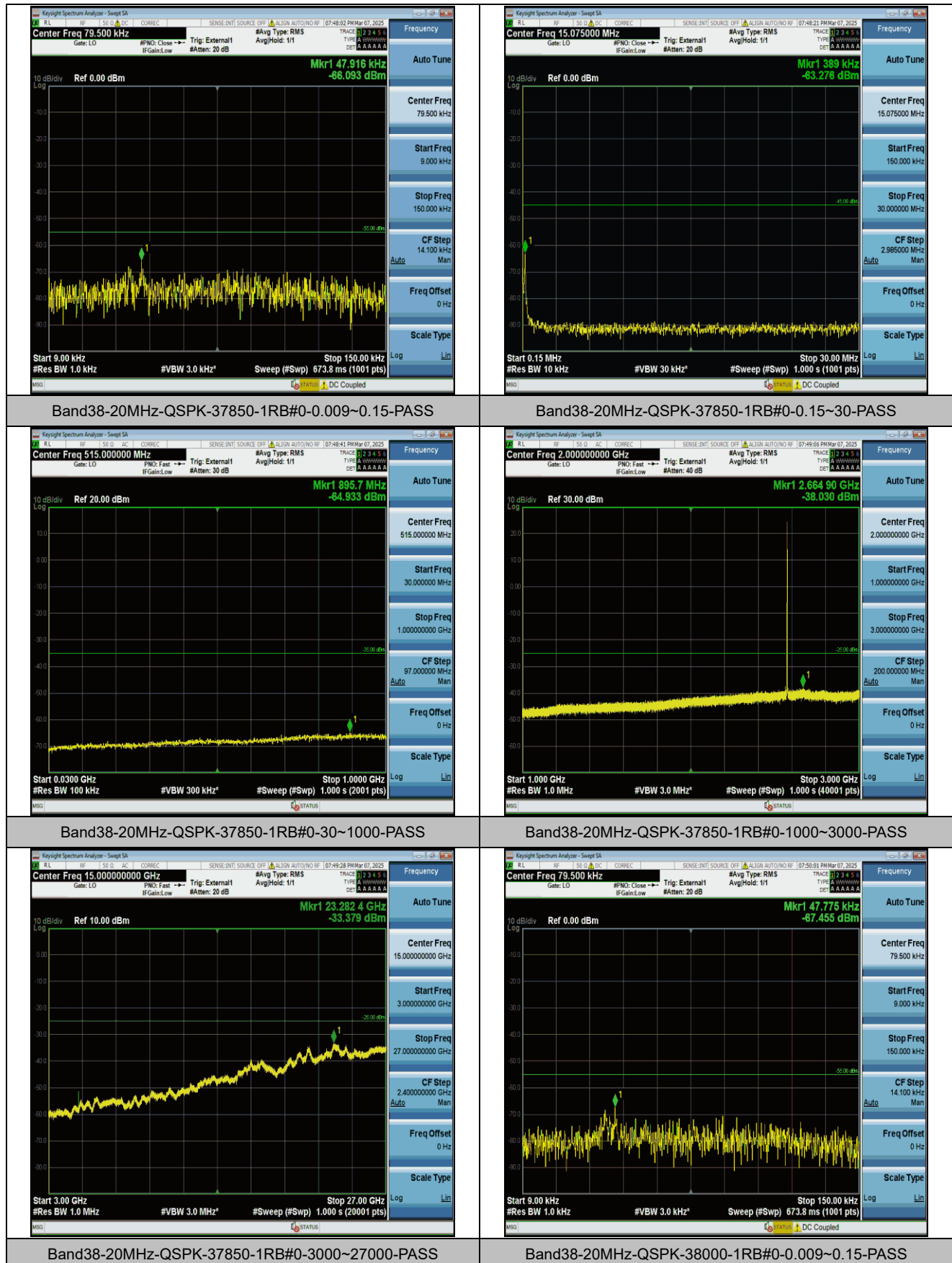


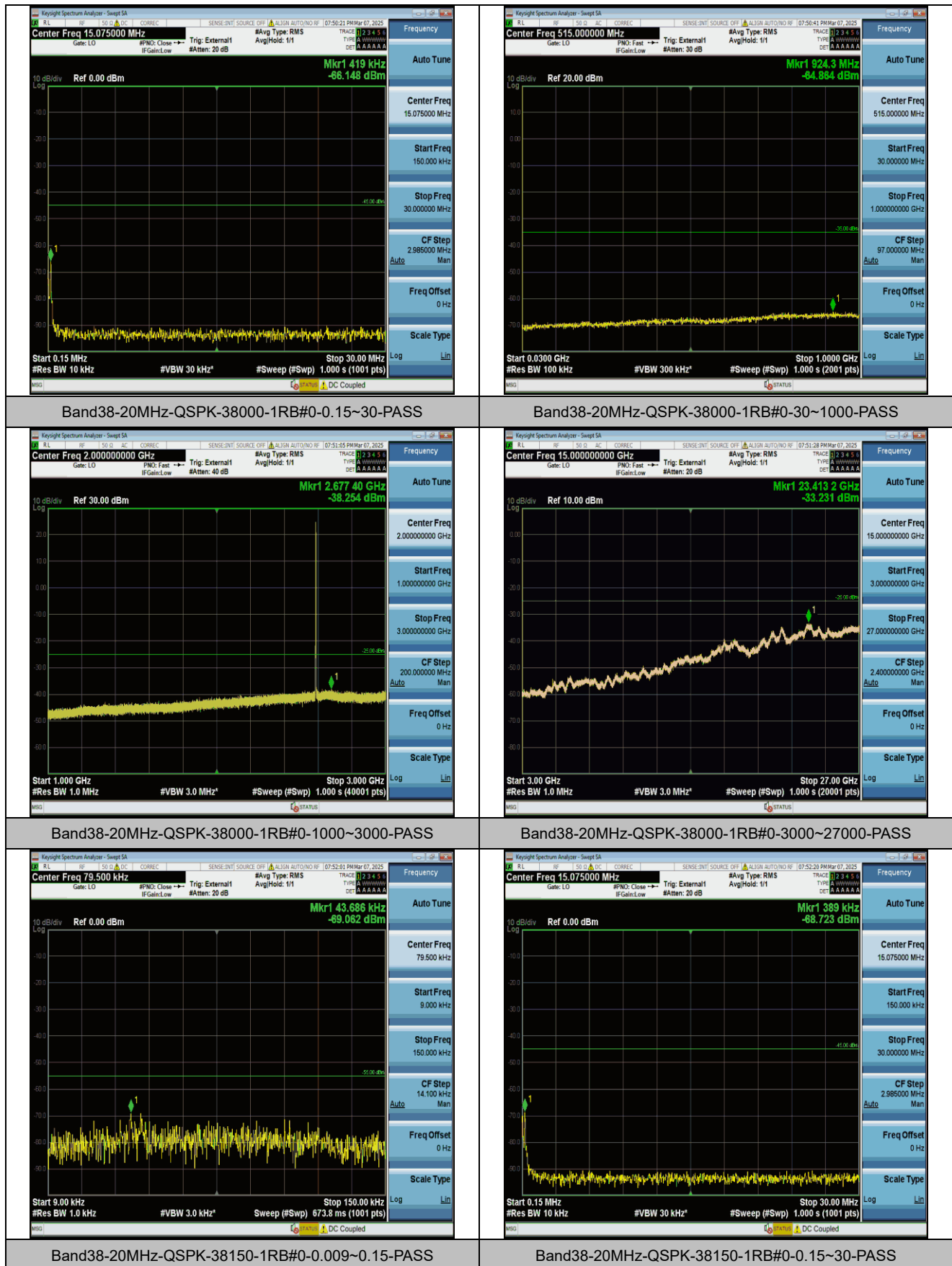


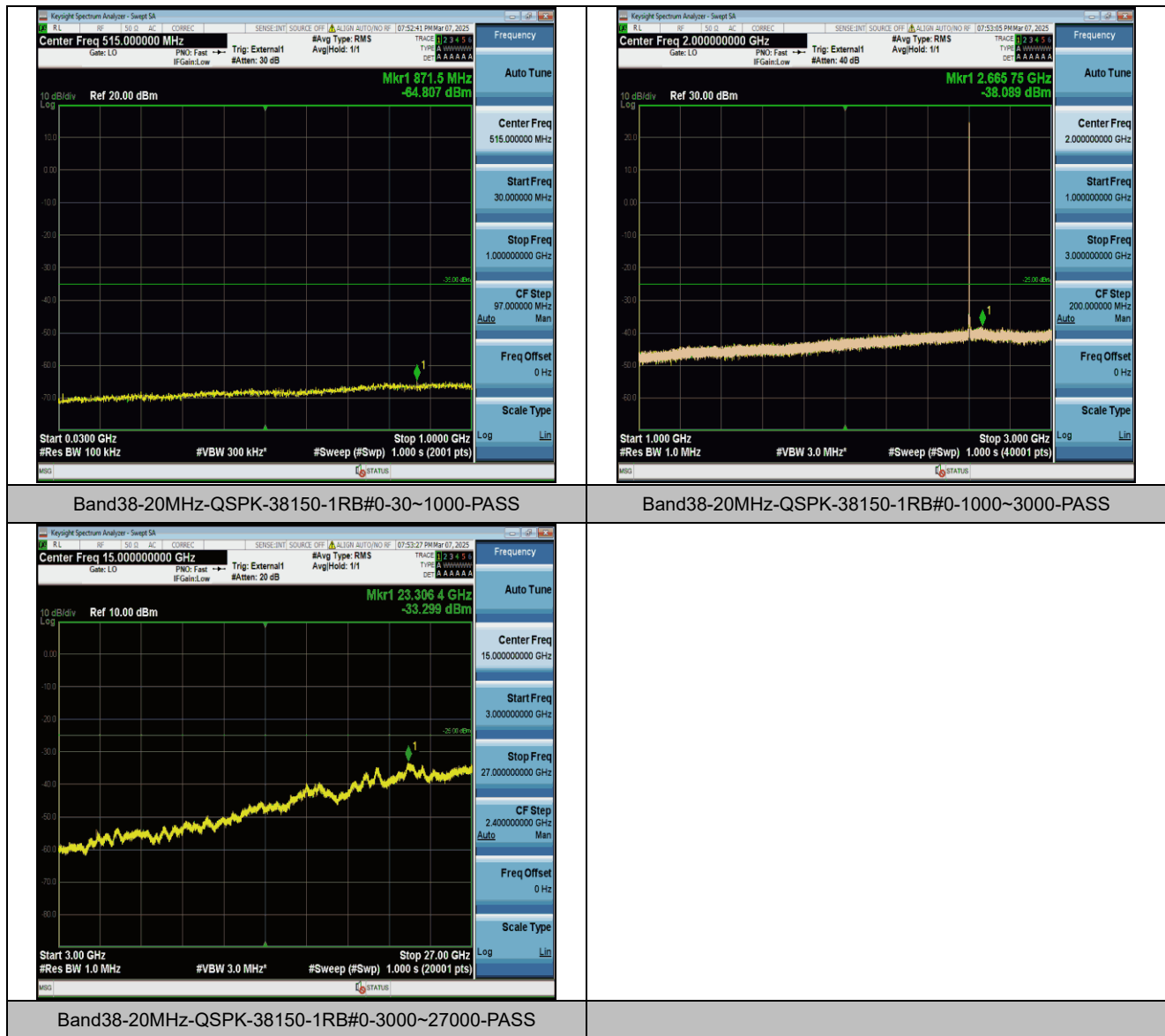


# Conducted Spurious Emission

## Test Graphs







## Frequency Stability

### Test Result

| Voltage |           |            |         |              |               |                  |                |                 |         |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
| Band38  | 20MHz     | QSPK       | 38000   | 100RB#0      | VN            | NT               | -0.50          | -0.000193       | PASS    |
| Band38  | 20MHz     | QSPK       | 38000   | 100RB#0      | VL            | NT               | -3.40          | -0.001310       | PASS    |
| Band38  | 20MHz     | QSPK       | 38000   | 100RB#0      | VH            | NT               | -1.60          | -0.000617       | PASS    |

| Temperature |           |            |         |              |               |                  |                |                 |         |
|-------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
| Band38      | 20MHz     | QSPK       | 38000   | 100RB#0      | NV            | -30              | -2.80          | -0.001079       | PASS    |
| Band38      | 20MHz     | QSPK       | 38000   | 100RB#0      | NV            | -20              | -3.00          | -0.001156       | PASS    |
| Band38      | 20MHz     | QSPK       | 38000   | 100RB#0      | NV            | -10              | -2.30          | -0.000886       | PASS    |
| Band38      | 20MHz     | QSPK       | 38000   | 100RB#0      | NV            | 0                | -2.00          | -0.000771       | PASS    |
| Band38      | 20MHz     | QSPK       | 38000   | 100RB#0      | NV            | 10               | -2.00          | -0.000771       | PASS    |
| Band38      | 20MHz     | QSPK       | 38000   | 100RB#0      | NV            | 20               | -0.90          | -0.000347       | PASS    |
| Band38      | 20MHz     | QSPK       | 38000   | 100RB#0      | NV            | 30               | -2.40          | -0.000925       | PASS    |
| Band38      | 20MHz     | QSPK       | 38000   | 100RB#0      | NV            | 40               | -3.40          | -0.001310       | PASS    |
| Band38      | 20MHz     | QSPK       | 38000   | 100RB#0      | NV            | 50               | -3.10          | -0.001195       | PASS    |

~The End~