

# Appendix-A LTE Band 70

## Effective (Isotropic) Radiated Power Output Data

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result (dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|--------------|------------|-------------|---------|
| Band70 | 5MHz      | QPSK       | 132997  | 1RB#0            | 23.49        | 24.59      | 30.00       | PASS    |
| Band70 | 5MHz      | QPSK       | 132997  | 1RB#12           | 23.57        | 24.67      | 30.00       | PASS    |
| Band70 | 5MHz      | QPSK       | 132997  | 1RB#24           | 23.45        | 24.55      | 30.00       | PASS    |
| Band70 | 5MHz      | QPSK       | 132997  | 25RB#0           | 22.91        | 24.01      | 30.00       | PASS    |
| Band70 | 5MHz      | 16QAM      | 132997  | 1RB#0            | 23.02        | 24.12      | 30.00       | PASS    |
| Band70 | 5MHz      | 16QAM      | 132997  | 1RB#12           | 23           | 24.1       | 30.00       | PASS    |
| Band70 | 5MHz      | 16QAM      | 132997  | 1RB#24           | 22.82        | 23.92      | 30.00       | PASS    |
| Band70 | 5MHz      | 16QAM      | 132997  | 25RB#0           | 21.82        | 22.92      | 30.00       | PASS    |
| Band70 | 5MHz      | 64QAM      | 132997  | 1RB#0            | 21.97        | 23.07      | 30.00       | PASS    |
| Band70 | 5MHz      | 64QAM      | 132997  | 1RB#12           | 22.14        | 23.24      | 30.00       | PASS    |
| Band70 | 5MHz      | 64QAM      | 132997  | 1RB#24           | 22.03        | 23.13      | 30.00       | PASS    |
| Band70 | 5MHz      | 64QAM      | 132997  | 25RB#0           | 20.81        | 21.91      | 30.00       | PASS    |
| Band70 | 5MHz      | 256QAM     | 132997  | 1RB#0            | 18.61        | 19.71      | 30.00       | PASS    |
| Band70 | 5MHz      | 256QAM     | 132997  | 1RB#12           | 18.63        | 19.73      | 30.00       | PASS    |
| Band70 | 5MHz      | 256QAM     | 132997  | 1RB#24           | 18.37        | 19.47      | 30.00       | PASS    |
| Band70 | 5MHz      | 256QAM     | 132997  | 25RB#0           | 18.41        | 19.51      | 30.00       | PASS    |
| Band70 | 5MHz      | QPSK       | 133047  | 1RB#0            | 23.47        | 24.57      | 30.00       | PASS    |
| Band70 | 5MHz      | QPSK       | 133047  | 1RB#12           | 23.54        | 24.64      | 30.00       | PASS    |
| Band70 | 5MHz      | QPSK       | 133047  | 1RB#24           | 23.51        | 24.61      | 30.00       | PASS    |
| Band70 | 5MHz      | QPSK       | 133047  | 25RB#0           | 22.84        | 23.94      | 30.00       | PASS    |
| Band70 | 5MHz      | 16QAM      | 133047  | 1RB#0            | 23.14        | 24.24      | 30.00       | PASS    |
| Band70 | 5MHz      | 16QAM      | 133047  | 1RB#12           | 23.1         | 24.2       | 30.00       | PASS    |
| Band70 | 5MHz      | 16QAM      | 133047  | 1RB#24           | 22.87        | 23.97      | 30.00       | PASS    |
| Band70 | 5MHz      | 16QAM      | 133047  | 25RB#0           | 21.78        | 22.88      | 30.00       | PASS    |
| Band70 | 5MHz      | 64QAM      | 133047  | 1RB#0            | 21.84        | 22.94      | 30.00       | PASS    |
| Band70 | 5MHz      | 64QAM      | 133047  | 1RB#12           | 22.05        | 23.15      | 30.00       | PASS    |
| Band70 | 5MHz      | 64QAM      | 133047  | 1RB#24           | 21.87        | 22.97      | 30.00       | PASS    |
| Band70 | 5MHz      | 64QAM      | 133047  | 25RB#0           | 20.93        | 22.03      | 30.00       | PASS    |
| Band70 | 5MHz      | 256QAM     | 133047  | 1RB#0            | 18.88        | 19.98      | 30.00       | PASS    |
| Band70 | 5MHz      | 256QAM     | 133047  | 1RB#12           | 18.72        | 19.82      | 30.00       | PASS    |
| Band70 | 5MHz      | 256QAM     | 133047  | 1RB#24           | 18.56        | 19.66      | 30.00       | PASS    |
| Band70 | 5MHz      | 256QAM     | 133047  | 25RB#0           | 18.5         | 19.6       | 30.00       | PASS    |
| Band70 | 5MHz      | QPSK       | 133097  | 1RB#0            | 23.43        | 24.53      | 30.00       | PASS    |
| Band70 | 5MHz      | QPSK       | 133097  | 1RB#12           | 23.51        | 24.61      | 30.00       | PASS    |
| Band70 | 5MHz      | QPSK       | 133097  | 1RB#24           | 23.52        | 24.62      | 30.00       | PASS    |
| Band70 | 5MHz      | QPSK       | 133097  | 25RB#0           | 22.87        | 23.97      | 30.00       | PASS    |
| Band70 | 5MHz      | 16QAM      | 133097  | 1RB#0            | 22.98        | 24.08      | 30.00       | PASS    |

|        |       |        |        |        |       |       |       |      |
|--------|-------|--------|--------|--------|-------|-------|-------|------|
| Band70 | 5MHz  | 16QAM  | 133097 | 1RB#12 | 22.69 | 23.79 | 30.00 | PASS |
| Band70 | 5MHz  | 16QAM  | 133097 | 1RB#24 | 22.74 | 23.84 | 30.00 | PASS |
| Band70 | 5MHz  | 16QAM  | 133097 | 25RB#0 | 21.86 | 22.96 | 30.00 | PASS |
| Band70 | 5MHz  | 64QAM  | 133097 | 1RB#0  | 21.96 | 23.06 | 30.00 | PASS |
| Band70 | 5MHz  | 64QAM  | 133097 | 1RB#12 | 22.23 | 23.33 | 30.00 | PASS |
| Band70 | 5MHz  | 64QAM  | 133097 | 1RB#24 | 22.27 | 23.37 | 30.00 | PASS |
| Band70 | 5MHz  | 64QAM  | 133097 | 25RB#0 | 20.96 | 22.06 | 30.00 | PASS |
| Band70 | 5MHz  | 256QAM | 133097 | 1RB#0  | 18.53 | 19.63 | 30.00 | PASS |
| Band70 | 5MHz  | 256QAM | 133097 | 1RB#12 | 18.62 | 19.72 | 30.00 | PASS |
| Band70 | 5MHz  | 256QAM | 133097 | 1RB#24 | 18.63 | 19.73 | 30.00 | PASS |
| Band70 | 5MHz  | 256QAM | 133097 | 25RB#0 | 18.49 | 19.59 | 30.00 | PASS |
| Band70 | 10MHz | QPSK   | 133022 | 1RB#0  | 23.42 | 24.52 | 30.00 | PASS |
| Band70 | 10MHz | QPSK   | 133022 | 1RB#24 | 23.51 | 24.61 | 30.00 | PASS |
| Band70 | 10MHz | QPSK   | 133022 | 1RB#49 | 23.47 | 24.57 | 30.00 | PASS |
| Band70 | 10MHz | QPSK   | 133022 | 50RB#0 | 23.02 | 24.12 | 30.00 | PASS |
| Band70 | 10MHz | 16QAM  | 133022 | 1RB#0  | 22.62 | 23.72 | 30.00 | PASS |
| Band70 | 10MHz | 16QAM  | 133022 | 1RB#24 | 22.86 | 23.96 | 30.00 | PASS |
| Band70 | 10MHz | 16QAM  | 133022 | 1RB#49 | 22.67 | 23.77 | 30.00 | PASS |
| Band70 | 10MHz | 16QAM  | 133022 | 50RB#0 | 22.06 | 23.16 | 30.00 | PASS |
| Band70 | 10MHz | 64QAM  | 133022 | 1RB#0  | 21.93 | 23.03 | 30.00 | PASS |
| Band70 | 10MHz | 64QAM  | 133022 | 1RB#24 | 22.3  | 23.4  | 30.00 | PASS |
| Band70 | 10MHz | 64QAM  | 133022 | 1RB#49 | 22.12 | 23.22 | 30.00 | PASS |
| Band70 | 10MHz | 64QAM  | 133022 | 50RB#0 | 21.01 | 22.11 | 30.00 | PASS |
| Band70 | 10MHz | 256QAM | 133022 | 1RB#0  | 18.78 | 19.88 | 30.00 | PASS |
| Band70 | 10MHz | 256QAM | 133022 | 1RB#24 | 18.57 | 19.67 | 30.00 | PASS |
| Band70 | 10MHz | 256QAM | 133022 | 1RB#49 | 18.75 | 19.85 | 30.00 | PASS |
| Band70 | 10MHz | 256QAM | 133022 | 50RB#0 | 18.51 | 19.61 | 30.00 | PASS |
| Band70 | 10MHz | QPSK   | 133047 | 1RB#0  | 23.57 | 24.67 | 30.00 | PASS |
| Band70 | 10MHz | QPSK   | 133047 | 1RB#24 | 23.62 | 24.72 | 30.00 | PASS |
| Band70 | 10MHz | QPSK   | 133047 | 1RB#49 | 23.54 | 24.64 | 30.00 | PASS |
| Band70 | 10MHz | QPSK   | 133047 | 50RB#0 | 22.97 | 24.07 | 30.00 | PASS |
| Band70 | 10MHz | 16QAM  | 133047 | 1RB#0  | 22.59 | 23.69 | 30.00 | PASS |
| Band70 | 10MHz | 16QAM  | 133047 | 1RB#24 | 22.91 | 24.01 | 30.00 | PASS |
| Band70 | 10MHz | 16QAM  | 133047 | 1RB#49 | 22.76 | 23.86 | 30.00 | PASS |
| Band70 | 10MHz | 16QAM  | 133047 | 50RB#0 | 22.03 | 23.13 | 30.00 | PASS |
| Band70 | 10MHz | 64QAM  | 133047 | 1RB#0  | 21.99 | 23.09 | 30.00 | PASS |
| Band70 | 10MHz | 64QAM  | 133047 | 1RB#24 | 22.05 | 23.15 | 30.00 | PASS |
| Band70 | 10MHz | 64QAM  | 133047 | 1RB#49 | 22.15 | 23.25 | 30.00 | PASS |
| Band70 | 10MHz | 64QAM  | 133047 | 50RB#0 | 20.88 | 21.98 | 30.00 | PASS |
| Band70 | 10MHz | 256QAM | 133047 | 1RB#0  | 18.61 | 19.71 | 30.00 | PASS |
| Band70 | 10MHz | 256QAM | 133047 | 1RB#24 | 18.58 | 19.68 | 30.00 | PASS |
| Band70 | 10MHz | 256QAM | 133047 | 1RB#49 | 18.72 | 19.82 | 30.00 | PASS |
| Band70 | 10MHz | 256QAM | 133047 | 50RB#0 | 18.6  | 19.7  | 30.00 | PASS |
| Band70 | 10MHz | QPSK   | 133072 | 1RB#0  | 23.55 | 24.65 | 30.00 | PASS |
| Band70 | 10MHz | QPSK   | 133072 | 1RB#24 | 23.62 | 24.72 | 30.00 | PASS |

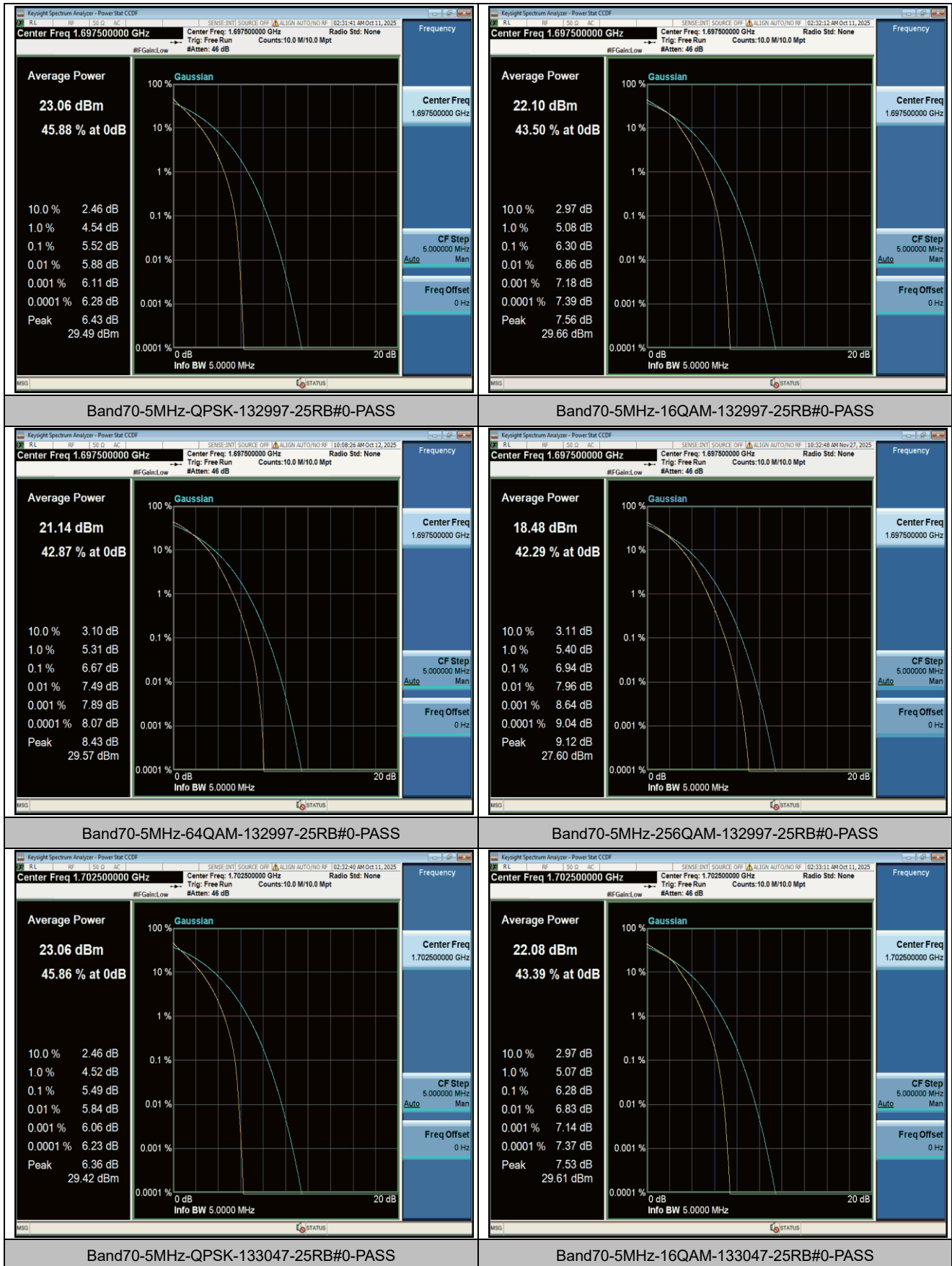
|        |       |        |        |        |       |       |       |      |
|--------|-------|--------|--------|--------|-------|-------|-------|------|
| Band70 | 10MHz | QPSK   | 133072 | 1RB#49 | 23.49 | 24.59 | 30.00 | PASS |
| Band70 | 10MHz | QPSK   | 133072 | 50RB#0 | 22.97 | 24.07 | 30.00 | PASS |
| Band70 | 10MHz | 16QAM  | 133072 | 1RB#0  | 22.78 | 23.88 | 30.00 | PASS |
| Band70 | 10MHz | 16QAM  | 133072 | 1RB#24 | 22.77 | 23.87 | 30.00 | PASS |
| Band70 | 10MHz | 16QAM  | 133072 | 1RB#49 | 22.83 | 23.93 | 30.00 | PASS |
| Band70 | 10MHz | 16QAM  | 133072 | 50RB#0 | 22.06 | 23.16 | 30.00 | PASS |
| Band70 | 10MHz | 64QAM  | 133072 | 1RB#0  | 22.02 | 23.12 | 30.00 | PASS |
| Band70 | 10MHz | 64QAM  | 133072 | 1RB#24 | 21.82 | 22.92 | 30.00 | PASS |
| Band70 | 10MHz | 64QAM  | 133072 | 1RB#49 | 22    | 23.1  | 30.00 | PASS |
| Band70 | 10MHz | 64QAM  | 133072 | 50RB#0 | 21.07 | 22.17 | 30.00 | PASS |
| Band70 | 10MHz | 256QAM | 133072 | 1RB#0  | 18.89 | 19.99 | 30.00 | PASS |
| Band70 | 10MHz | 256QAM | 133072 | 1RB#24 | 18.44 | 19.54 | 30.00 | PASS |
| Band70 | 10MHz | 256QAM | 133072 | 1RB#49 | 19.08 | 20.18 | 30.00 | PASS |
| Band70 | 10MHz | 256QAM | 133072 | 50RB#0 | 18.62 | 19.72 | 30.00 | PASS |
| Band70 | 15MHz | QPSK   | 133047 | 1RB#0  | 23.62 | 24.72 | 30.00 | PASS |
| Band70 | 15MHz | QPSK   | 133047 | 1RB#38 | 23.57 | 24.67 | 30.00 | PASS |
| Band70 | 15MHz | QPSK   | 133047 | 1RB#74 | 23.5  | 24.6  | 30.00 | PASS |
| Band70 | 15MHz | QPSK   | 133047 | 75RB#0 | 22.87 | 23.97 | 30.00 | PASS |
| Band70 | 15MHz | 16QAM  | 133047 | 1RB#0  | 22.77 | 23.87 | 30.00 | PASS |
| Band70 | 15MHz | 16QAM  | 133047 | 1RB#38 | 22.96 | 24.06 | 30.00 | PASS |
| Band70 | 15MHz | 16QAM  | 133047 | 1RB#74 | 23.02 | 24.12 | 30.00 | PASS |
| Band70 | 15MHz | 16QAM  | 133047 | 75RB#0 | 21.95 | 23.05 | 30.00 | PASS |
| Band70 | 15MHz | 64QAM  | 133047 | 1RB#0  | 21.9  | 23    | 30.00 | PASS |
| Band70 | 15MHz | 64QAM  | 133047 | 1RB#38 | 22.16 | 23.26 | 30.00 | PASS |
| Band70 | 15MHz | 64QAM  | 133047 | 1RB#74 | 22.09 | 23.19 | 30.00 | PASS |
| Band70 | 15MHz | 64QAM  | 133047 | 75RB#0 | 20.9  | 22    | 30.00 | PASS |
| Band70 | 15MHz | 256QAM | 133047 | 1RB#0  | 18.9  | 20    | 30.00 | PASS |
| Band70 | 15MHz | 256QAM | 133047 | 1RB#38 | 18.73 | 19.83 | 30.00 | PASS |
| Band70 | 15MHz | 256QAM | 133047 | 1RB#74 | 18.64 | 19.74 | 30.00 | PASS |
| Band70 | 15MHz | 256QAM | 133047 | 75RB#0 | 18.58 | 19.68 | 30.00 | PASS |

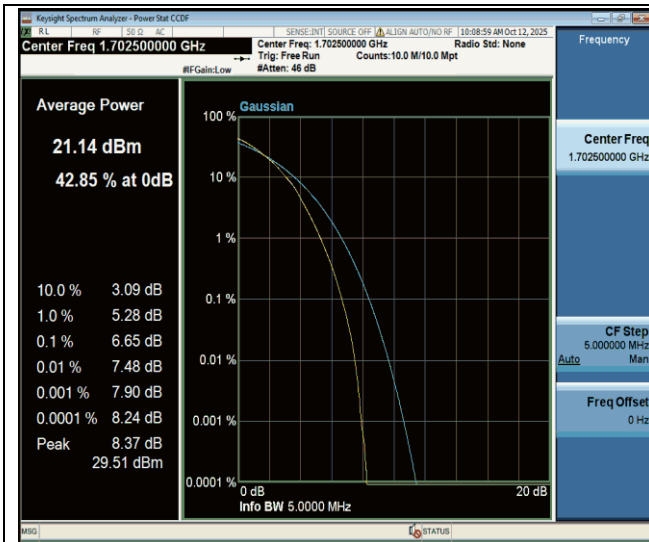
## Peak-to-Average Ratio(CCDF)

### Test Result

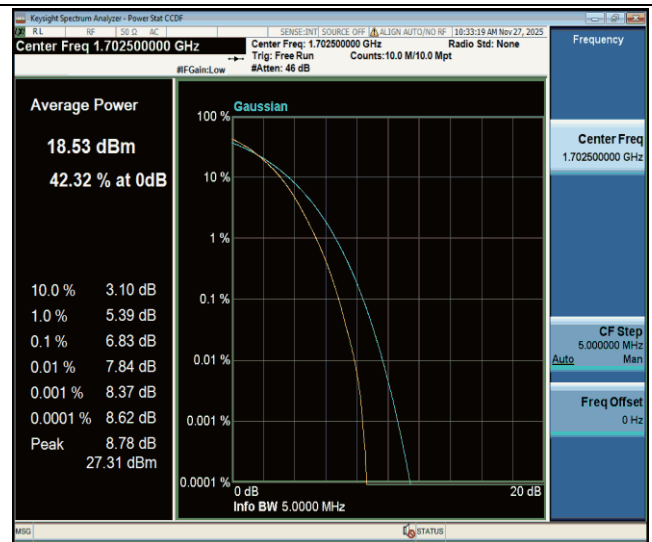
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result (dB) | Limit (dB) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|------------|---------|
| Band70 | 5MHz      | QPSK       | 132997  | 25RB#0           | 5.52        | 13         | PASS    |
| Band70 | 5MHz      | 16QAM      | 132997  | 25RB#0           | 6.30        | 13         | PASS    |
| Band70 | 5MHz      | 64QAM      | 132997  | 25RB#0           | 6.67        | 13         | PASS    |
| Band70 | 5MHz      | 256QAM     | 132997  | 25RB#0           | 6.94        | 13         | PASS    |
| Band70 | 5MHz      | QPSK       | 133047  | 25RB#0           | 5.49        | 13         | PASS    |
| Band70 | 5MHz      | 16QAM      | 133047  | 25RB#0           | 6.28        | 13         | PASS    |
| Band70 | 5MHz      | 64QAM      | 133047  | 25RB#0           | 6.65        | 13         | PASS    |
| Band70 | 5MHz      | 256QAM     | 133047  | 25RB#0           | 6.83        | 13         | PASS    |
| Band70 | 5MHz      | QPSK       | 133097  | 25RB#0           | 5.50        | 13         | PASS    |
| Band70 | 5MHz      | 16QAM      | 133097  | 25RB#0           | 6.29        | 13         | PASS    |
| Band70 | 5MHz      | 64QAM      | 133097  | 25RB#0           | 6.66        | 13         | PASS    |
| Band70 | 5MHz      | 256QAM     | 133097  | 25RB#0           | 6.89        | 13         | PASS    |
| Band70 | 10MHz     | QPSK       | 133022  | 50RB#0           | 5.56        | 13         | PASS    |
| Band70 | 10MHz     | 16QAM      | 133022  | 50RB#0           | 6.30        | 13         | PASS    |
| Band70 | 10MHz     | 64QAM      | 133022  | 50RB#0           | 6.66        | 13         | PASS    |
| Band70 | 10MHz     | 256QAM     | 133022  | 50RB#0           | 6.89        | 13         | PASS    |
| Band70 | 10MHz     | QPSK       | 133047  | 50RB#0           | 5.53        | 13         | PASS    |
| Band70 | 10MHz     | 16QAM      | 133047  | 50RB#0           | 6.28        | 13         | PASS    |
| Band70 | 10MHz     | 64QAM      | 133047  | 50RB#0           | 6.65        | 13         | PASS    |
| Band70 | 10MHz     | 256QAM     | 133047  | 50RB#0           | 6.86        | 13         | PASS    |
| Band70 | 10MHz     | QPSK       | 133072  | 50RB#0           | 5.53        | 13         | PASS    |
| Band70 | 10MHz     | 16QAM      | 133072  | 50RB#0           | 6.26        | 13         | PASS    |
| Band70 | 10MHz     | 64QAM      | 133072  | 50RB#0           | 6.62        | 13         | PASS    |
| Band70 | 10MHz     | 256QAM     | 133072  | 50RB#0           | 6.85        | 13         | PASS    |
| Band70 | 15MHz     | QPSK       | 133047  | 75RB#0           | 5.38        | 13         | PASS    |
| Band70 | 15MHz     | 16QAM      | 133047  | 75RB#0           | 6.21        | 13         | PASS    |
| Band70 | 15MHz     | 64QAM      | 133047  | 75RB#0           | 6.66        | 13         | PASS    |
| Band70 | 15MHz     | 256QAM     | 133047  | 75RB#0           | 6.89        | 13         | PASS    |

## Test Graphs

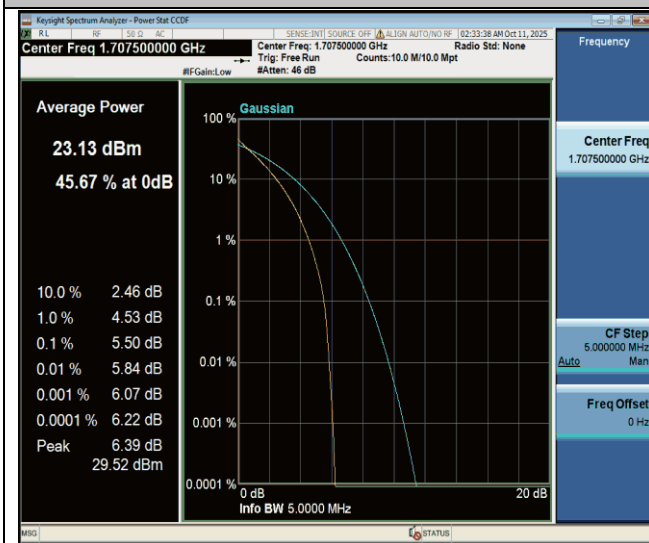




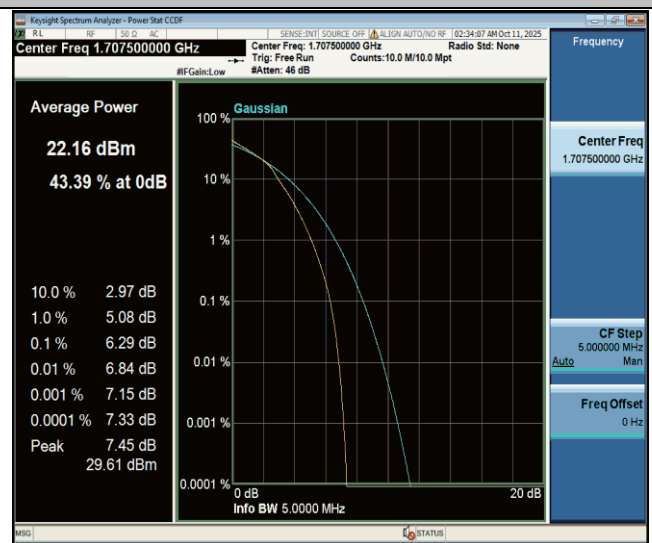
Band70-5MHz-64QAM-133047-25RB#0-PASS



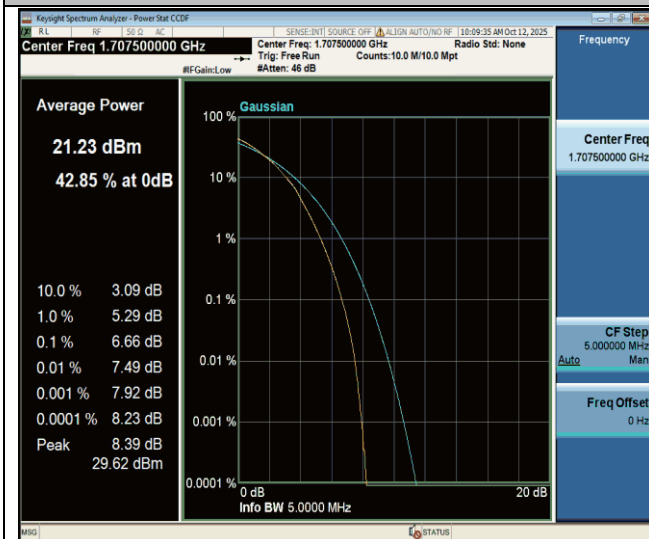
Band70-5MHz-256QAM-133047-25RB#0-PASS



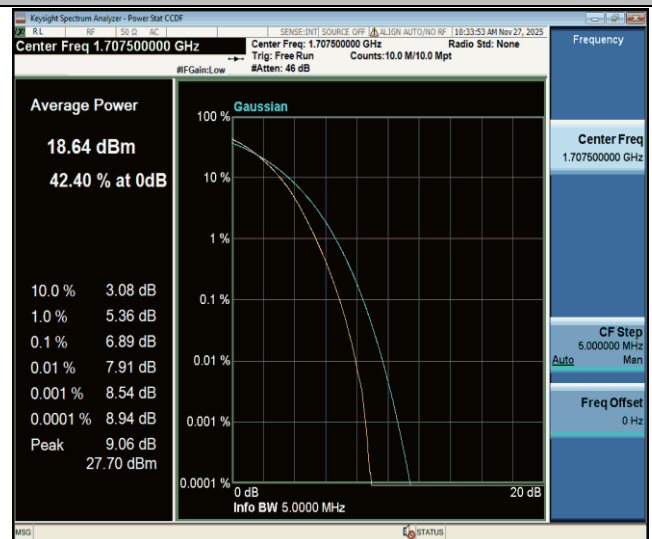
Band70-5MHz-QPSK-133097-25RB#0-PASS



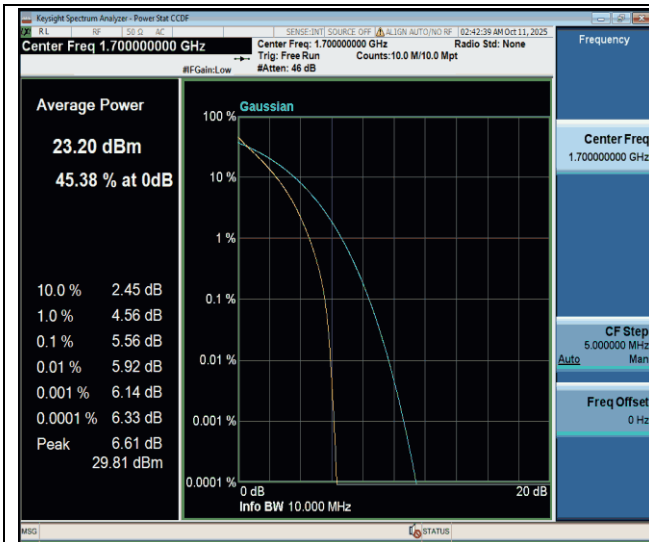
Band70-5MHz-16QAM-133097-25RB#0-PASS



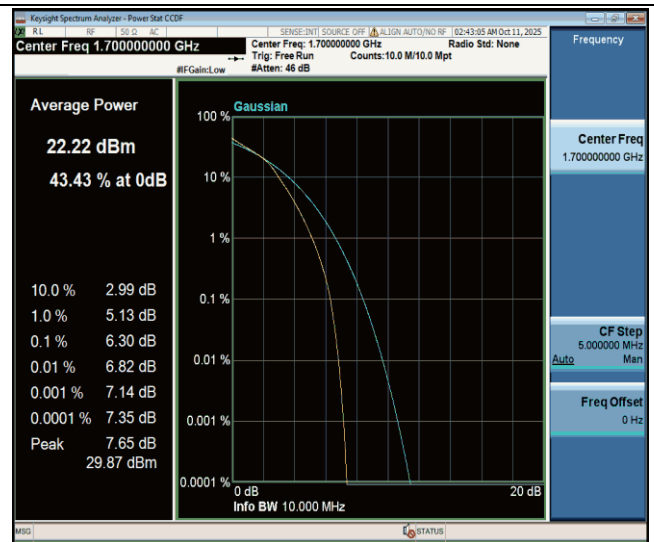
Band70-5MHz-64QAM-133097-25RB#0-PASS



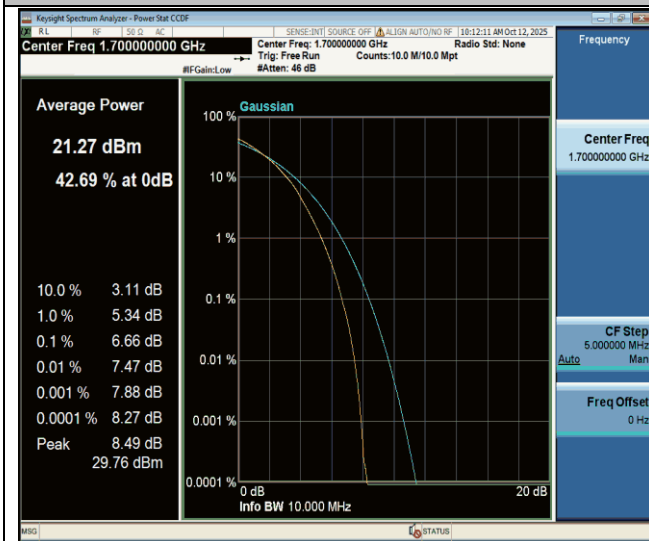
Band70-5MHz-256QAM-133097-25RB#0-PASS



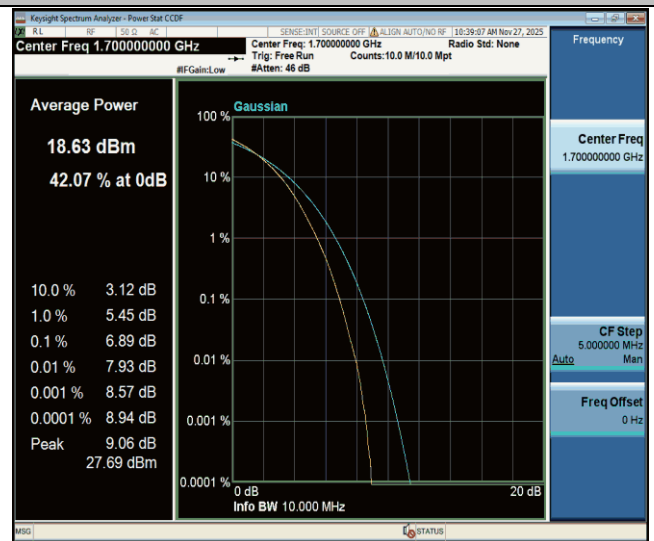
Band70-10MHz-QPSK-133022-50RB#0-PASS



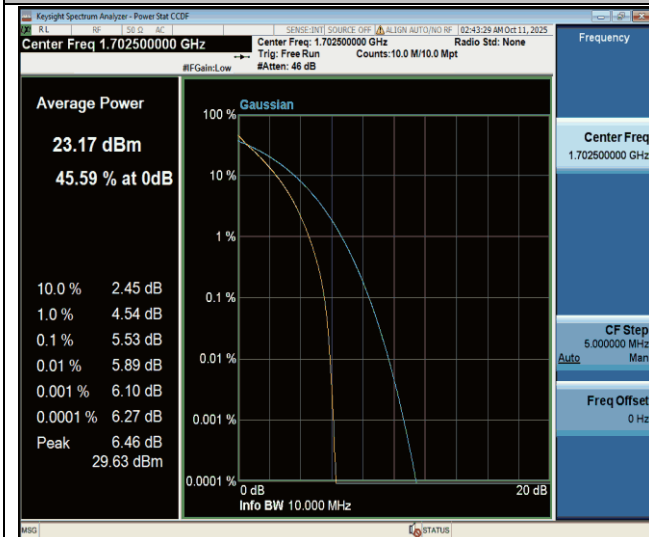
Band70-10MHz-16QAM-133022-50RB#0-PASS



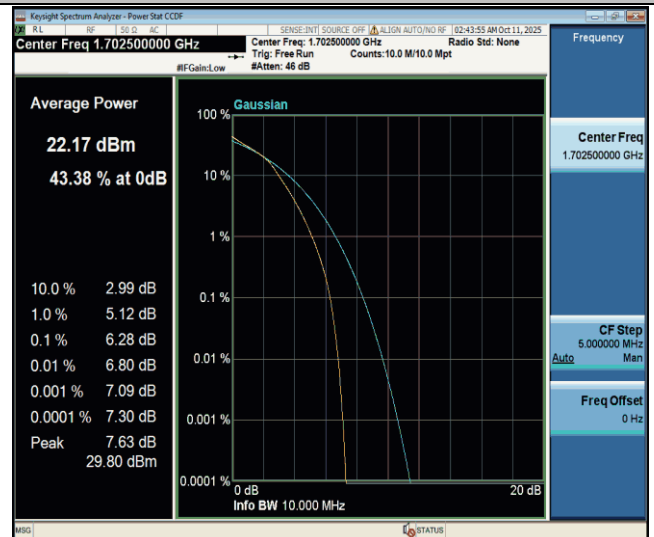
Band70-10MHz-64QAM-133022-50RB#0-PASS



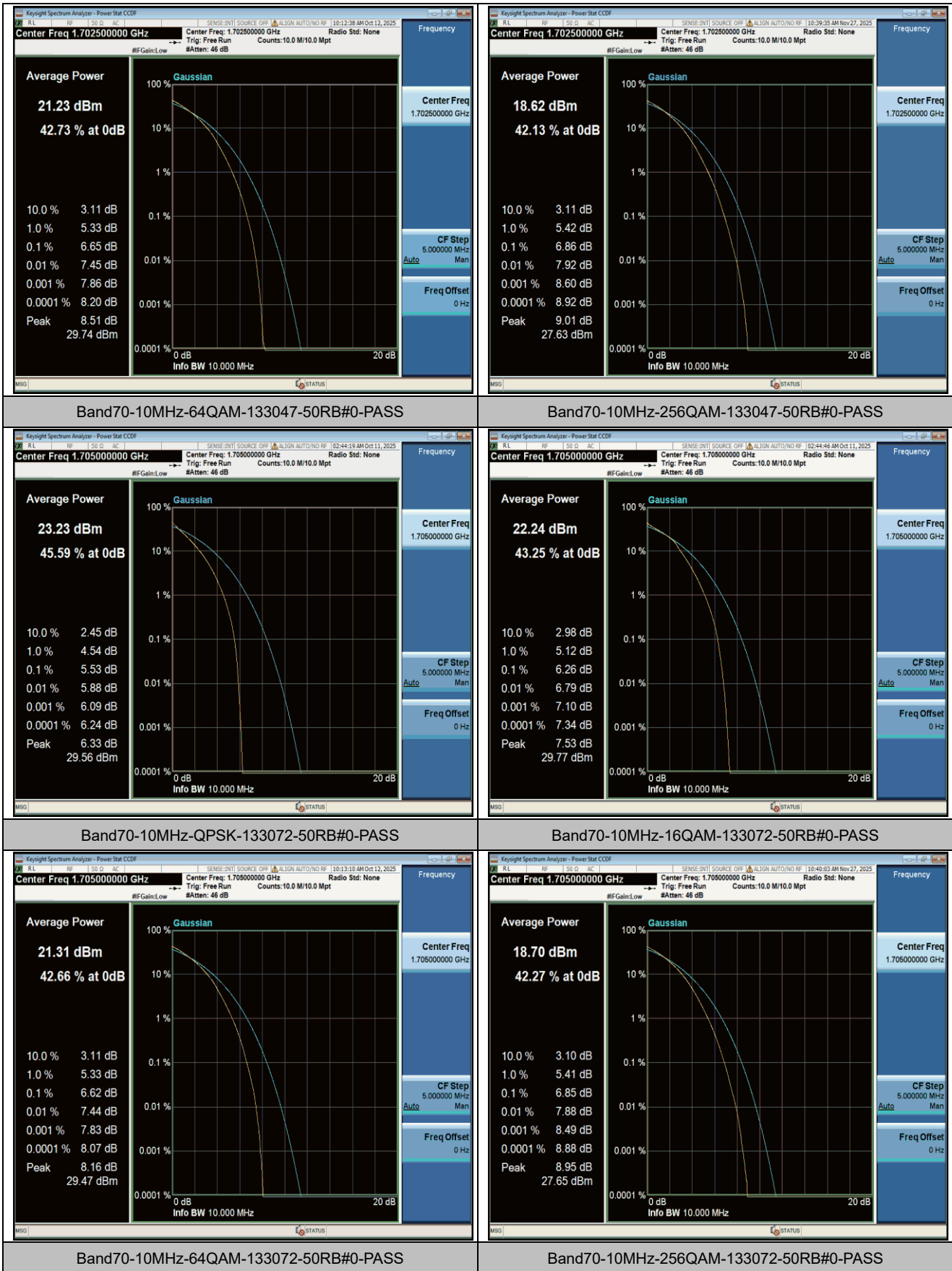
Band70-10MHz-256QAM-133022-50RB#0-PASS

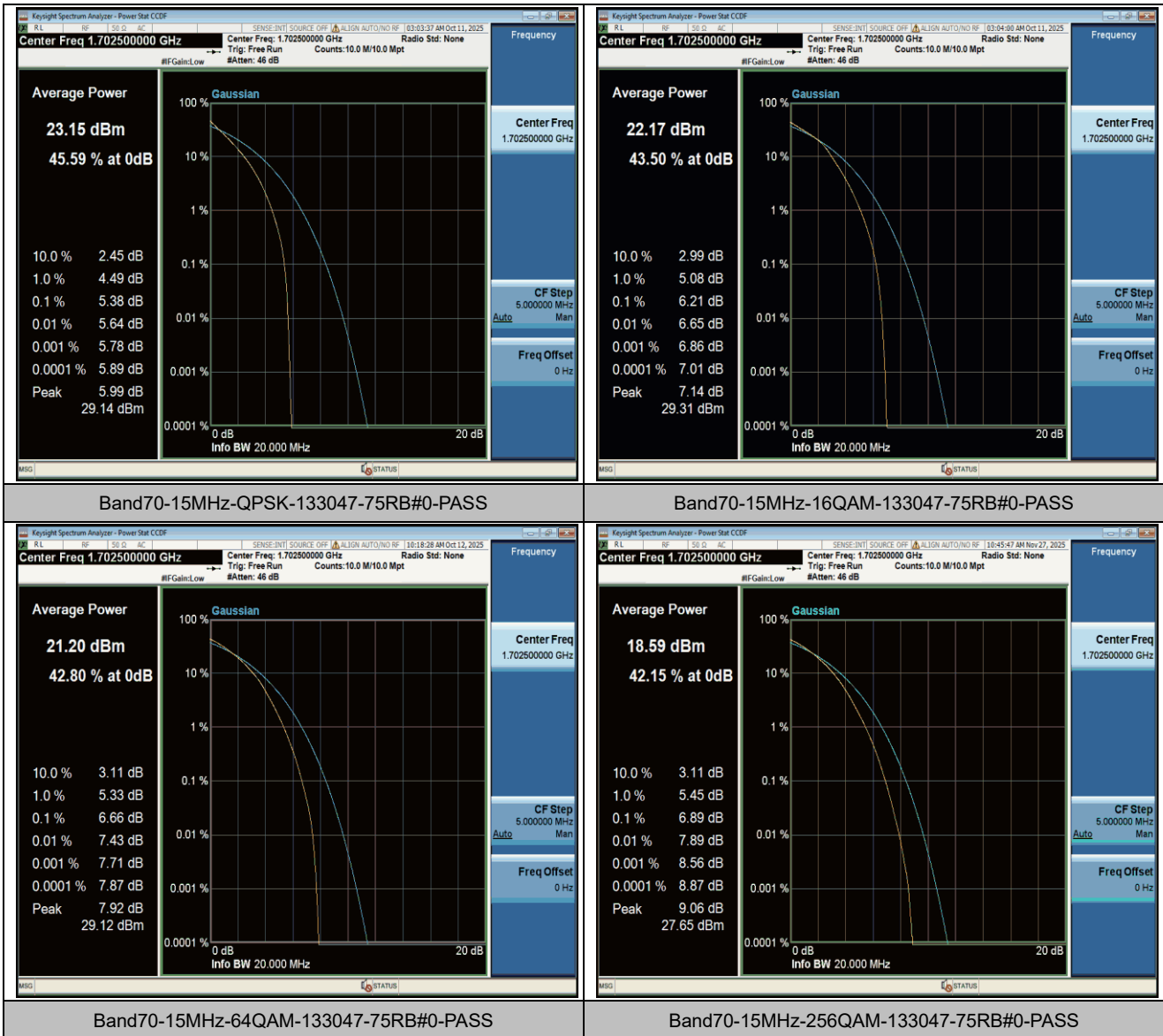


Band70-10MHz-QPSK-133047-50RB#0-PASS



Band70-10MHz-16QAM-133047-50RB#0-PASS



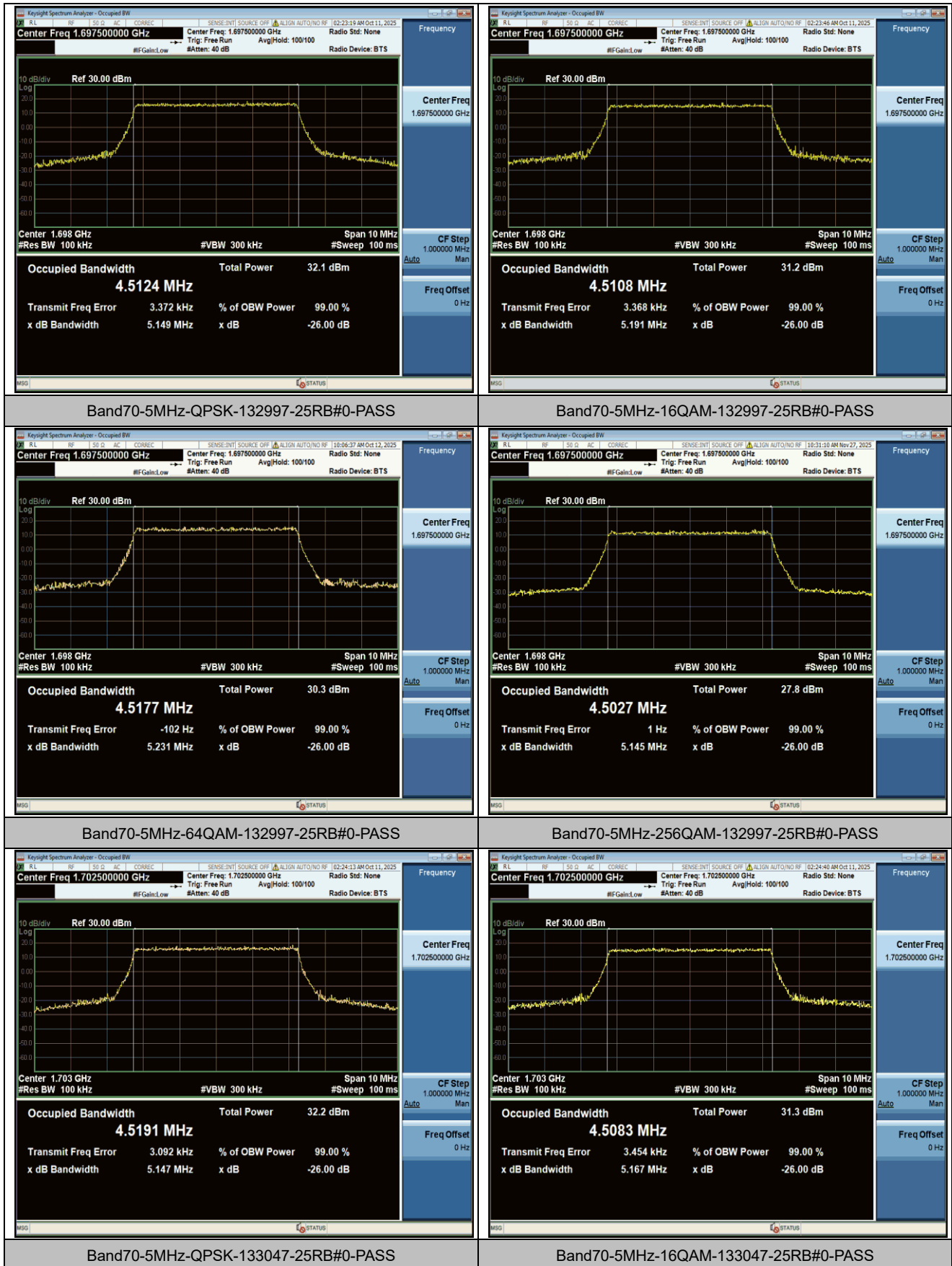


## 26dB Bandwidth and Occupied Bandwidth

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | OBW (MHz) | 26dB EBW (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|-----------|----------------|---------|
| Band70 | 5MHz      | QPSK       | 132997  | 25RB#0           | 4.5124    | 5.149          | PASS    |
| Band70 | 5MHz      | 16QAM      | 132997  | 25RB#0           | 4.5108    | 5.191          | PASS    |
| Band70 | 5MHz      | 64QAM      | 132997  | 25RB#0           | 4.5177    | 5.231          | PASS    |
| Band70 | 5MHz      | 256QAM     | 132997  | 25RB#0           | 4.5027    | 5.145          | PASS    |
| Band70 | 5MHz      | QPSK       | 133047  | 25RB#0           | 4.5191    | 5.147          | PASS    |
| Band70 | 5MHz      | 16QAM      | 133047  | 25RB#0           | 4.5083    | 5.167          | PASS    |
| Band70 | 5MHz      | 64QAM      | 133047  | 25RB#0           | 4.5106    | 5.224          | PASS    |
| Band70 | 5MHz      | 256QAM     | 133047  | 25RB#0           | 4.5054    | 5.162          | PASS    |
| Band70 | 5MHz      | QPSK       | 133097  | 25RB#0           | 4.5139    | 5.175          | PASS    |
| Band70 | 5MHz      | 16QAM      | 133097  | 25RB#0           | 4.5036    | 5.175          | PASS    |
| Band70 | 5MHz      | 64QAM      | 133097  | 25RB#0           | 4.5138    | 5.203          | PASS    |
| Band70 | 5MHz      | 256QAM     | 133097  | 25RB#0           | 4.5091    | 5.137          | PASS    |
| Band70 | 10MHz     | QPSK       | 133022  | 50RB#0           | 9.0206    | 10.15          | PASS    |
| Band70 | 10MHz     | 16QAM      | 133022  | 50RB#0           | 9.0186    | 10.11          | PASS    |
| Band70 | 10MHz     | 64QAM      | 133022  | 50RB#0           | 8.9958    | 9.970          | PASS    |
| Band70 | 10MHz     | 256QAM     | 133022  | 50RB#0           | 8.9982    | 10.08          | PASS    |
| Band70 | 10MHz     | QPSK       | 133047  | 50RB#0           | 8.9924    | 10.05          | PASS    |
| Band70 | 10MHz     | 16QAM      | 133047  | 50RB#0           | 9.0026    | 9.992          | PASS    |
| Band70 | 10MHz     | 64QAM      | 133047  | 50RB#0           | 9.0039    | 10.11          | PASS    |
| Band70 | 10MHz     | 256QAM     | 133047  | 50RB#0           | 9.0103    | 9.900          | PASS    |
| Band70 | 10MHz     | QPSK       | 133072  | 50RB#0           | 9.0262    | 10.06          | PASS    |
| Band70 | 10MHz     | 16QAM      | 133072  | 50RB#0           | 9.0107    | 10.13          | PASS    |
| Band70 | 10MHz     | 64QAM      | 133072  | 50RB#0           | 8.9925    | 9.985          | PASS    |
| Band70 | 10MHz     | 256QAM     | 133072  | 50RB#0           | 8.9908    | 9.950          | PASS    |
| Band70 | 15MHz     | QPSK       | 133047  | 75RB#0           | 13.483    | 14.98          | PASS    |
| Band70 | 15MHz     | 16QAM      | 133047  | 75RB#0           | 13.502    | 14.98          | PASS    |
| Band70 | 15MHz     | 64QAM      | 133047  | 75RB#0           | 13.529    | 15.05          | PASS    |
| Band70 | 15MHz     | 256QAM     | 133047  | 75RB#0           | 13.484    | 14.95          | PASS    |

## Test Graphs

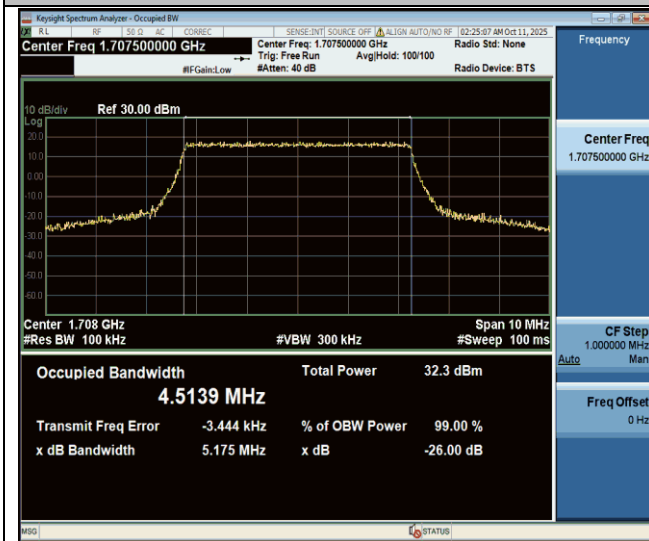




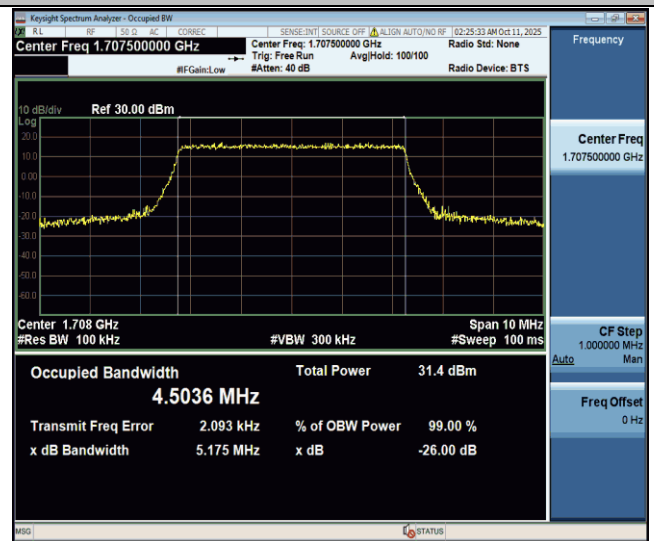
Band70-5MHz-64QAM-133047-25RB#0-PASS



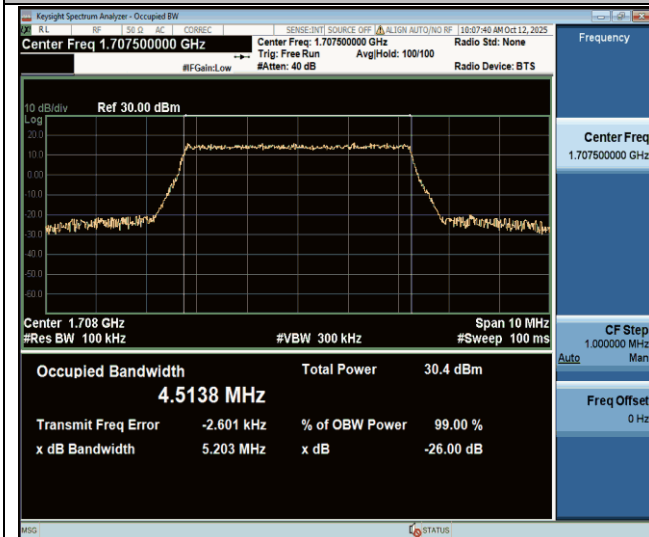
Band70-5MHz-256QAM-133047-25RB#0-PASS



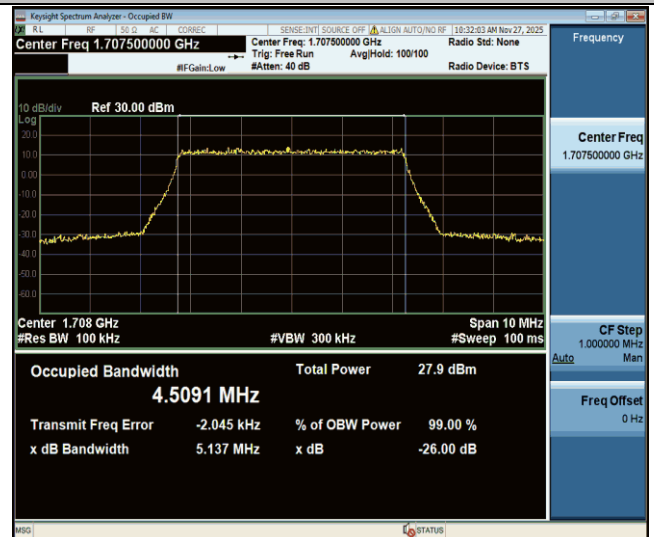
Band70-5MHz-64QAM-133097-25RB#0-PASS



Band70-5MHz-16QAM-133097-25RB#0-PASS



Band70-5MHz-64QAM-133097-25RB#0-PASS



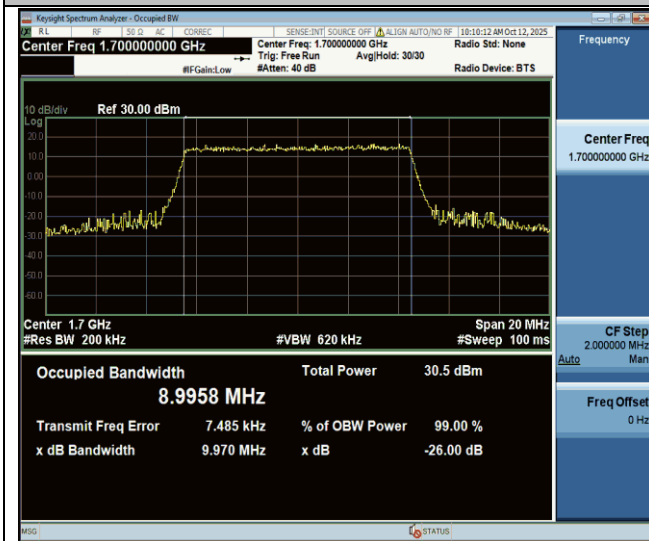
Band70-5MHz-256QAM-133097-25RB#0-PASS



Band70-10MHz-QPSK-133022-50RB#0-PASS



Band70-10MHz-16QAM-133022-50RB#0-PASS



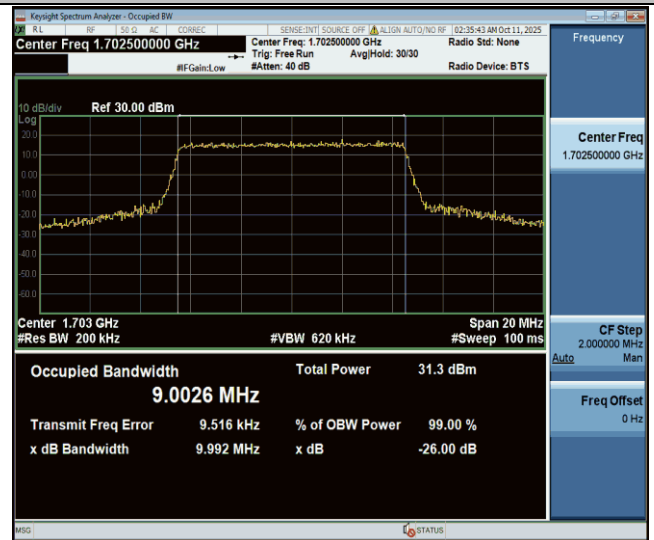
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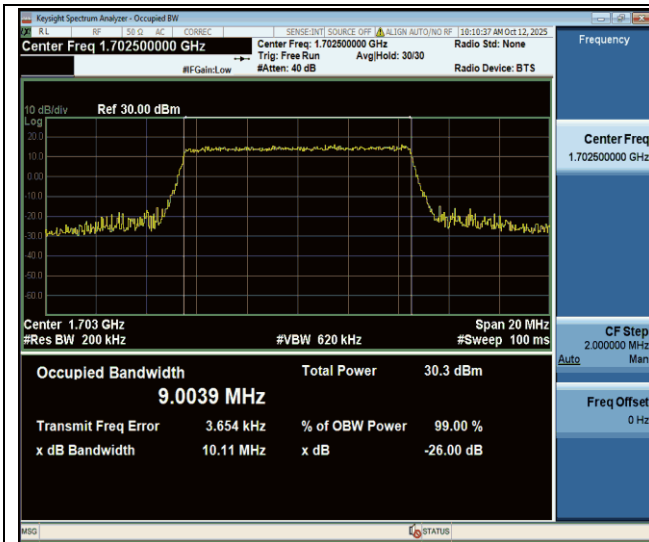
Band70-10MHz-256QAM-133022-50RB#0-PASS



Band70-10MHz-QPSK-133047-50RB#0-PASS



Band70-10MHz-16QAM-133047-50RB#0-PASS



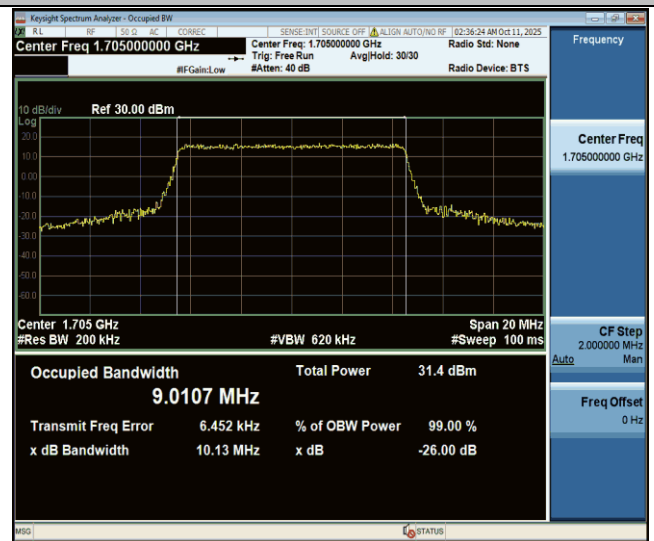
Band70-10MHz-64QAM-133047-50RB#0-PASS



Band70-10MHz-256QAM-133047-50RB#0-PASS



Band70-10MHz-64QAM-133072-50RB#0-PASS



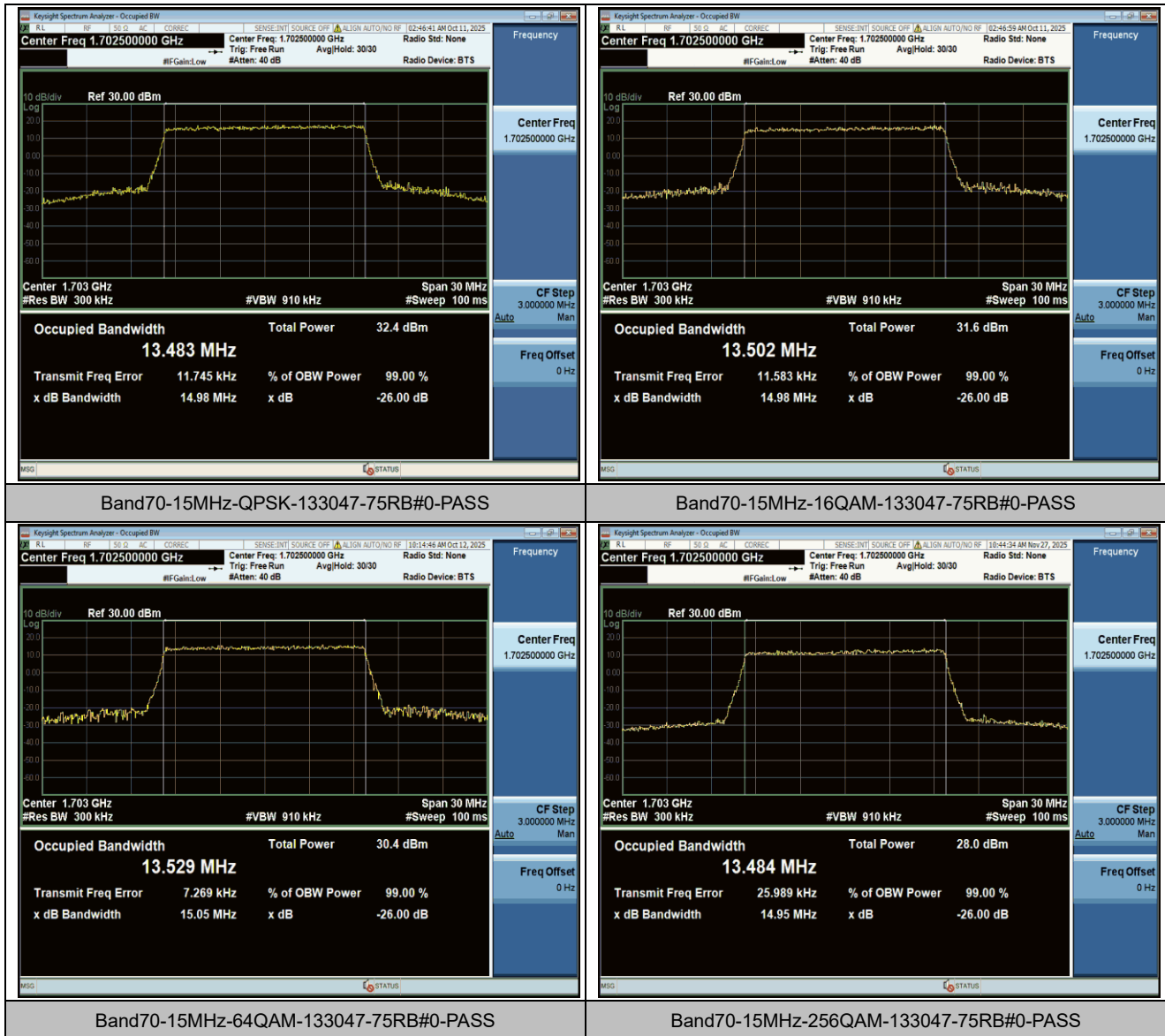
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Band70-10MHz-64QAM-133072-50RB#0-PASS

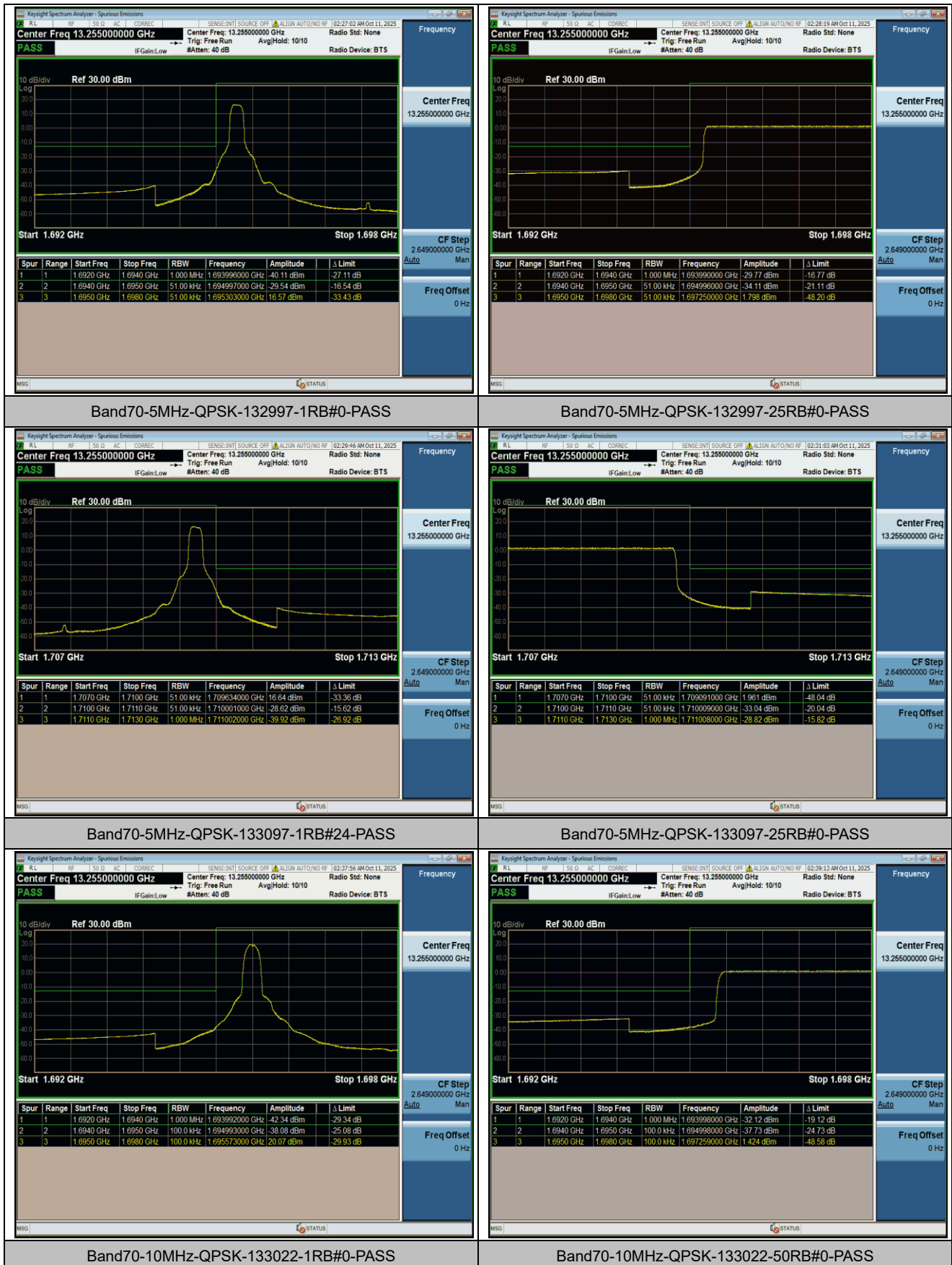


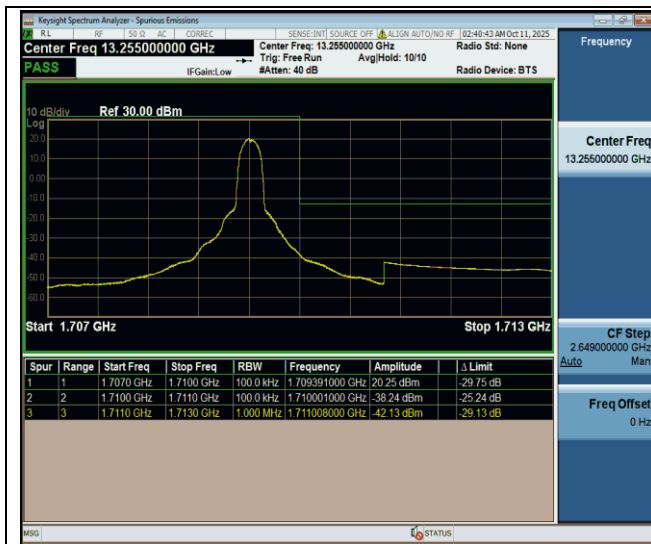
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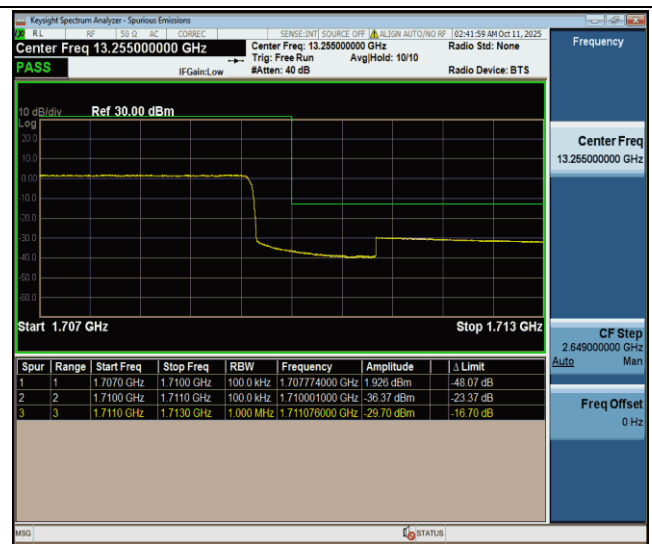
## Band Edge

## Test Graphs

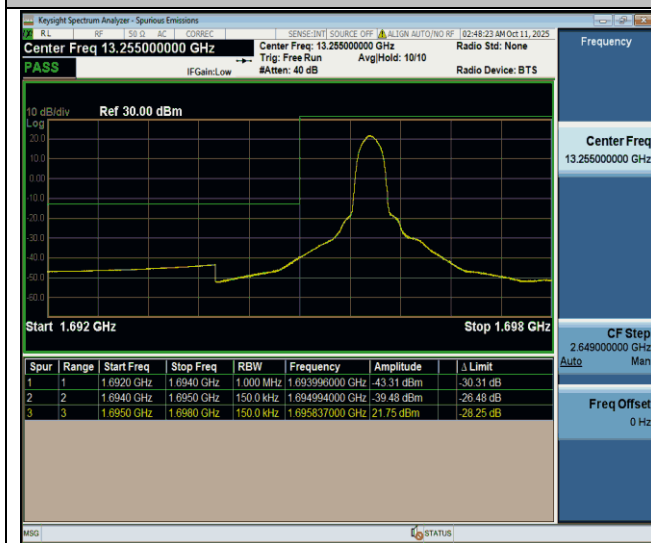




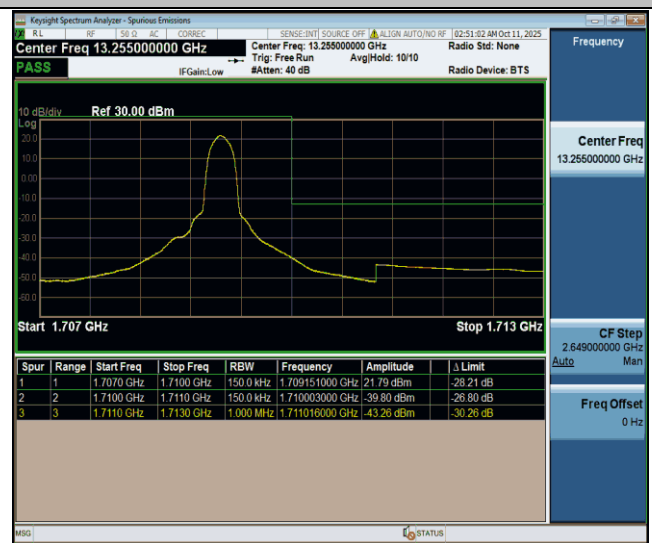
Band70-10MHz-QPSK-133072-1RB#49-PASS



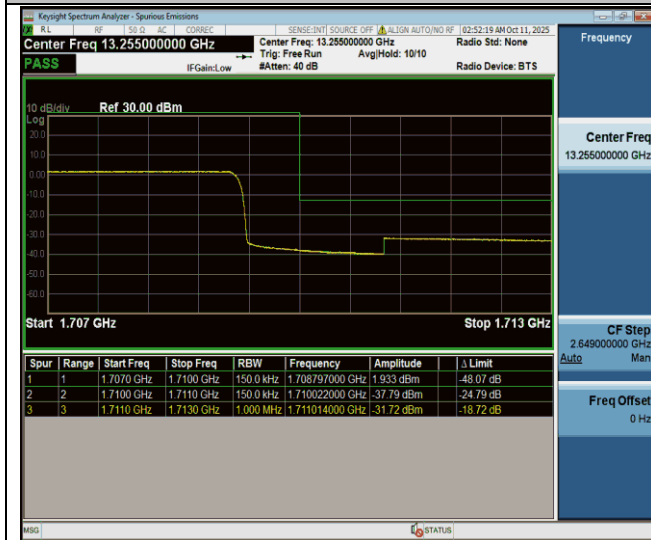
Band70-10MHz-QPSK-133072-50RB#0-PASS



Band70-15MHz-QPSK-133047-1RB#0-PASS



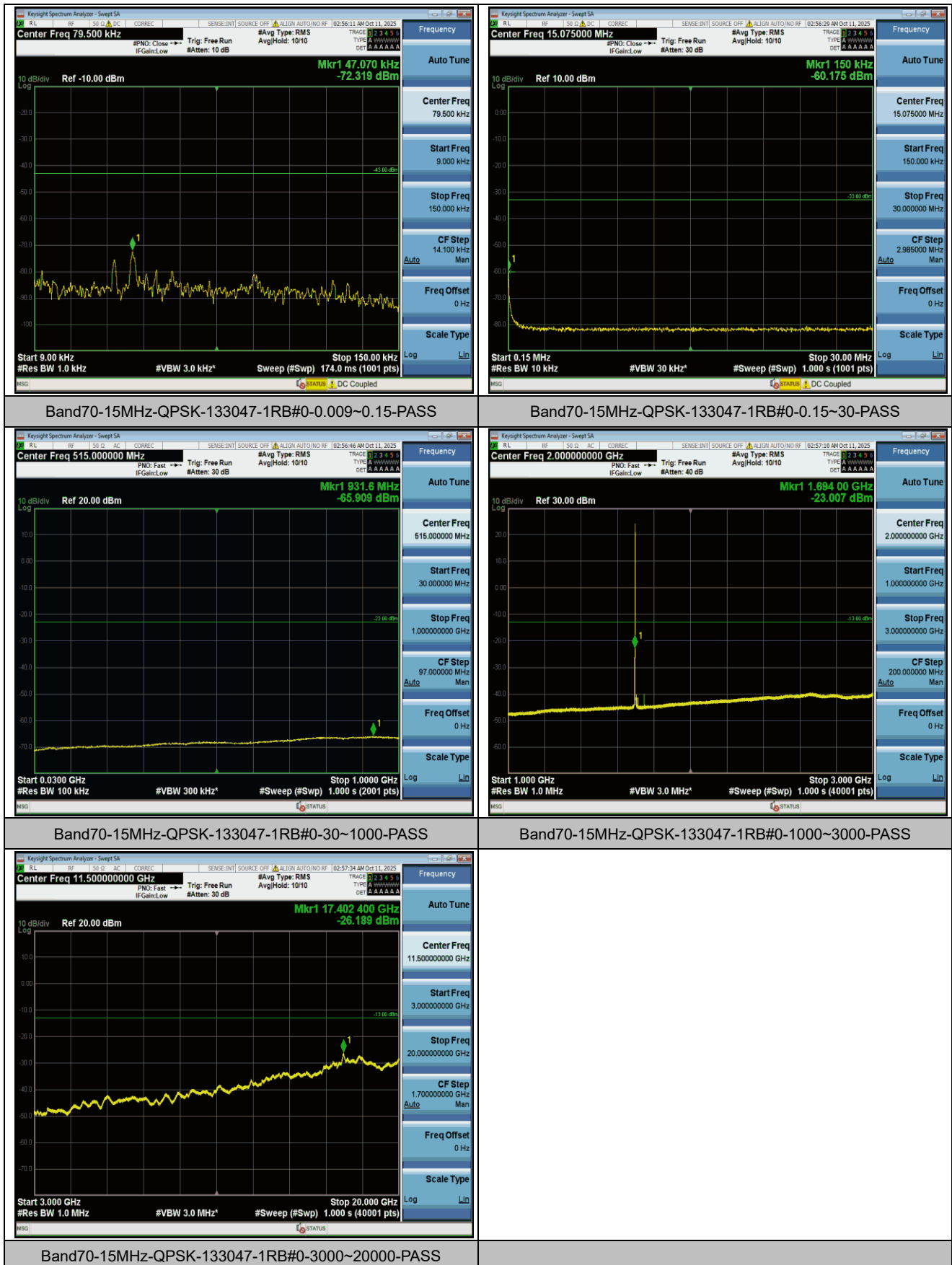
Band70-15MHz-QPSK-133047-1RB#74-PASS



Band70-15MHz-QPSK-133047-75RB#0-PASS

## 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 |
| Band70  | 15MHz     | QPSK       | 133047  | 75RB#0       | VN            | NT               | -4.40          | -0.002584       | PASS    |
| Band70  | 15MHz     | QPSK       | 133047  | 75RB#0       | VL            | NT               | -3.80          | -0.002232       | PASS    |
| Band70  | 15MHz     | QPSK       | 133047  | 75RB#0       | VH            | NT               | -3.70          | -0.002173       | PASS    |

| Temperature |           |            |         |              |               |                  |                |                 |         |
|-------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
| Band70      | 15MHz     | QPSK       | 133047  | 75RB#0       | NV            | -30              | -3.50          | -0.002056       | PASS    |
| Band70      | 15MHz     | QPSK       | 133047  | 75RB#0       | NV            | -20              | -3.30          | -0.001938       | PASS    |
| Band70      | 15MHz     | QPSK       | 133047  | 75RB#0       | NV            | -10              | -2.70          | -0.001586       | PASS    |
| Band70      | 15MHz     | QPSK       | 133047  | 75RB#0       | NV            | 0                | -3.90          | -0.002291       | PASS    |
| Band70      | 15MHz     | QPSK       | 133047  | 75RB#0       | NV            | 10               | -2.50          | -0.001468       | PASS    |
| Band70      | 15MHz     | QPSK       | 133047  | 75RB#0       | NV            | 20               | -4.90          | -0.002878       | PASS    |
| Band70      | 15MHz     | QPSK       | 133047  | 75RB#0       | NV            | 30               | -4.50          | -0.002643       | PASS    |
| Band70      | 15MHz     | QPSK       | 133047  | 75RB#0       | NV            | 40               | -5.00          | -0.002937       | PASS    |
| Band70      | 15MHz     | QPSK       | 133047  | 75RB#0       | NV            | 50               | -3.90          | -0.002291       | PASS    |

~The End~