

Appendix Test Data for LTE Band 17 (Conducted Measurement)

Product Name: 4G Mobile Phone

Trade Mark: AGM

Test Model: M10

FCC ID: 2A3DR-M10

Environmental Conditions

| | |
|--------------------|-----------|
| Temperature: | 23.5°C |
| Relative Humidity: | 58% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | Allen Lai |
| Supervised by: | Max Zhang |
| NOTE | N/A |

Appendix A:RF output power

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band17 | 5MHz | QPSK | 23755 | 1RB#0 | 22.68 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#0 | 21.62 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 1RB#12 | 22.63 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#12 | 21.70 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 1RB#24 | 22.64 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#24 | 22.15 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 12RB#0 | 22.05 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 12RB#0 | 21.10 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 12RB#6 | 22.04 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 12RB#6 | 21.11 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 12RB#13 | 22.60 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 12RB#13 | 21.54 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 25RB#0 | 22.19 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | 20.92 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 1RB#0 | 22.64 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#0 | 22.08 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 1RB#12 | 22.65 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#12 | 21.60 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 1RB#24 | 22.64 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#24 | 21.54 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 12RB#0 | 22.46 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 12RB#0 | 21.48 | PASS |

| | | | | | | |
|--------|-------|-------|-------|---------|-------|------|
| Band17 | 5MHz | QPSK | 23790 | 12RB#6 | 22.45 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 12RB#6 | 21.54 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 12RB#13 | 22.11 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 12RB#13 | 21.58 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 25RB#0 | 22.08 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 25RB#0 | 21.56 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#0 | 22.89 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#0 | 21.42 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#12 | 22.90 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#12 | 21.50 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#24 | 22.90 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#24 | 21.47 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 12RB#0 | 22.09 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 12RB#0 | 21.54 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 12RB#6 | 22.08 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 12RB#6 | 21.54 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 12RB#13 | 22.20 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 12RB#13 | 21.27 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 25RB#0 | 22.28 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 25RB#0 | 21.48 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#0 | 22.43 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#0 | 21.58 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#24 | 22.40 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#24 | 22.08 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#49 | 22.58 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#49 | 21.62 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 25RB#0 | 22.01 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#0 | 20.98 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 25RB#12 | 22.12 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#12 | 21.00 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 25RB#25 | 22.06 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#25 | 21.53 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | 22.43 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | 21.62 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 1RB#0 | 22.69 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#0 | 21.50 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 1RB#24 | 22.59 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#24 | 21.52 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 1RB#49 | 22.64 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#49 | 21.50 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 25RB#0 | 22.61 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#0 | 21.60 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 25RB#12 | 22.61 | PASS |

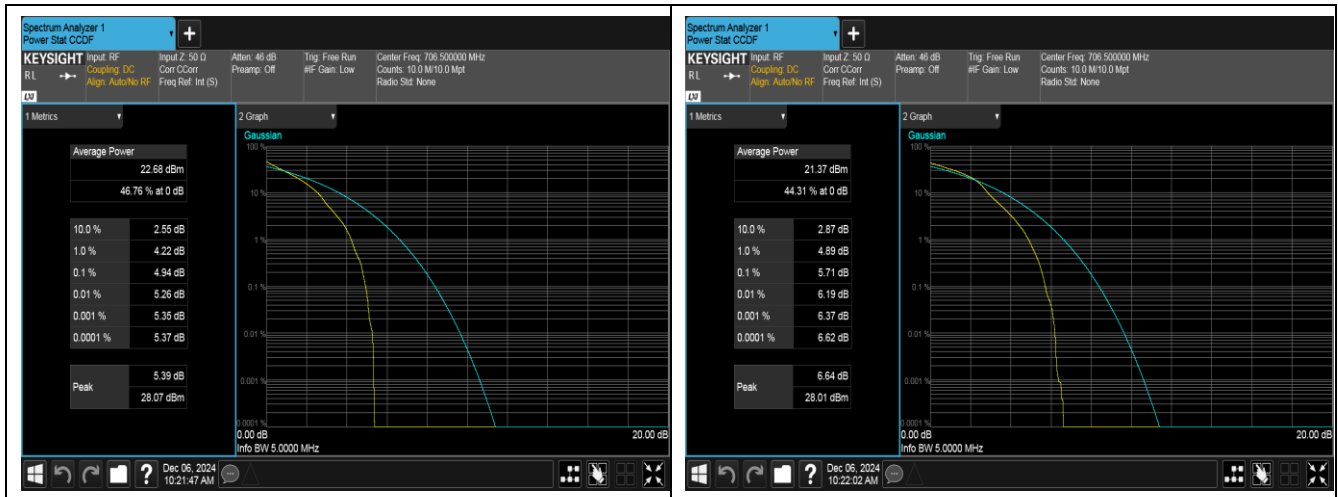
| | | | | | | |
|--------|-------|-------|-------|---------|-------|------|
| Band17 | 10MHz | 16QAM | 23790 | 25RB#12 | 21.60 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 25RB#25 | 21.99 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#25 | 21.67 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | 22.12 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | 21.57 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#0 | 22.55 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#0 | 22.64 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#24 | 22.54 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#24 | 22.65 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#49 | 22.55 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#49 | 22.63 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 25RB#0 | 22.55 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#0 | 21.62 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 25RB#12 | 22.56 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#12 | 21.63 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 25RB#25 | 22.24 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#25 | 21.31 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | 22.17 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | 21.57 | PASS |

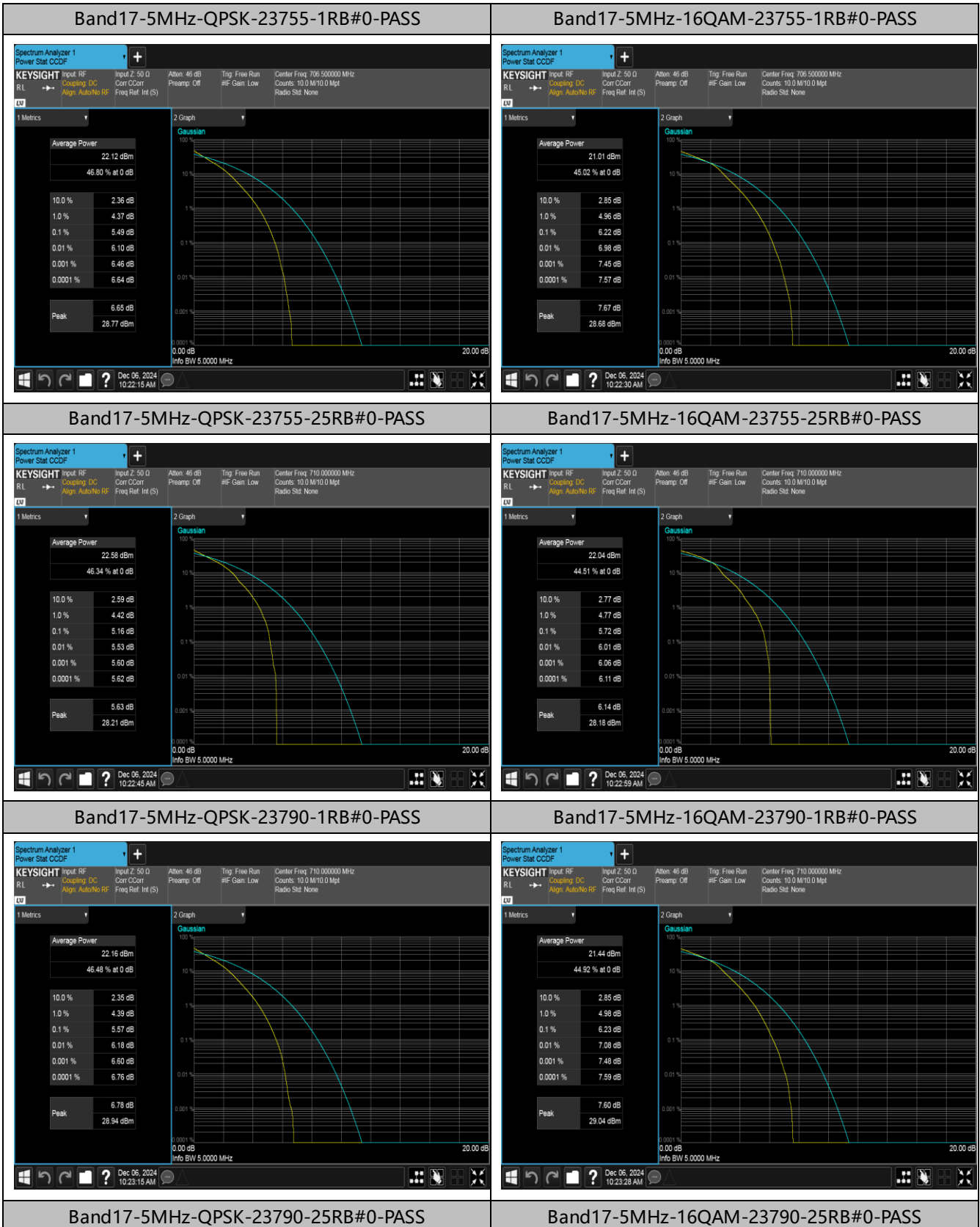
Appendix B: Peak-to-Average Ratio (CCDF)

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band17 | 5MHz | QPSK | 23755 | 1RB#0 | 4.94 | 13 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#0 | 5.71 | 13 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 25RB#0 | 5.49 | 13 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | 6.22 | 13 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 1RB#0 | 5.16 | 13 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#0 | 5.72 | 13 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 25RB#0 | 5.57 | 13 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 25RB#0 | 6.23 | 13 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#0 | 5.19 | 13 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#0 | 5.80 | 13 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 25RB#0 | 5.55 | 13 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 25RB#0 | 6.32 | 13 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#0 | 4.92 | 13 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#0 | 5.66 | 13 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | 5.47 | 13 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | 6.24 | 13 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 1RB#0 | 4.99 | 13 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#0 | 5.83 | 13 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | 5.61 | 13 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | 6.23 | 13 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#0 | 4.95 | 13 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#0 | 5.74 | 13 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | 5.53 | 13 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | 6.25 | 13 | PASS |

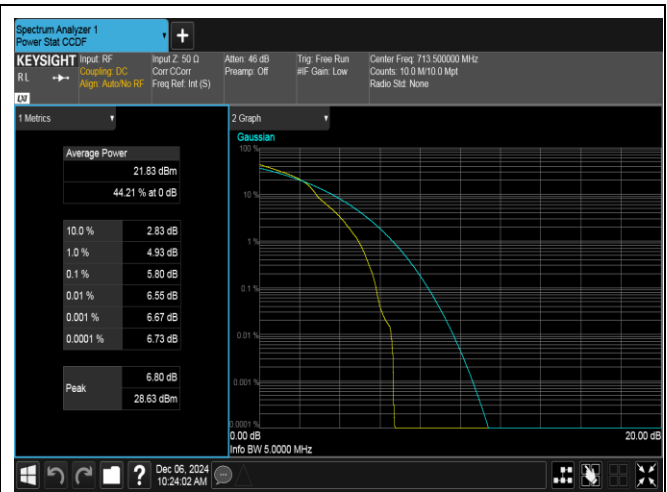
Test Graphs



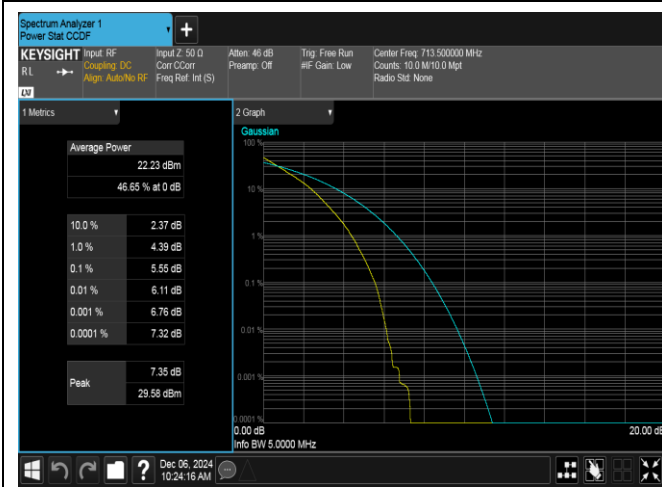




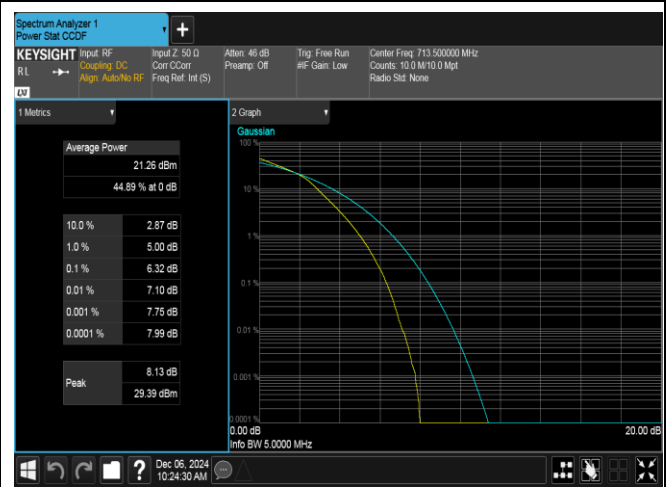
Band17-5MHz-QPSK-23825-1RB#0-PASS



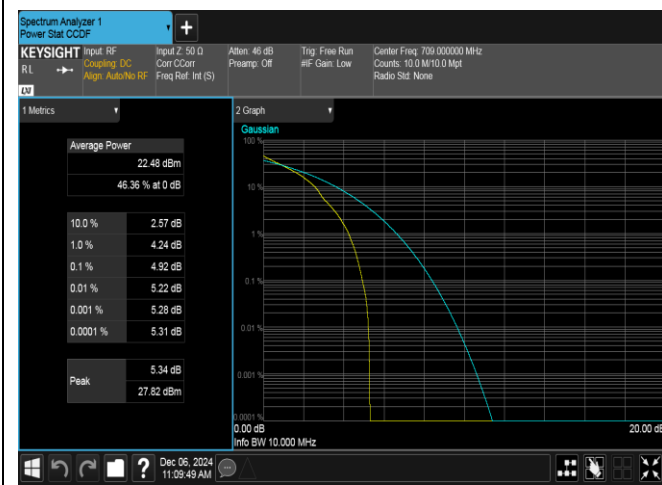
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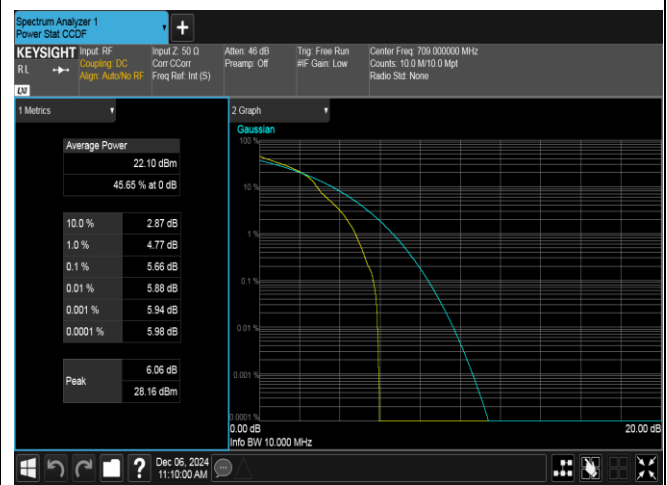
Band17-5MHz-QPSK-23825-25RB#0-PASS



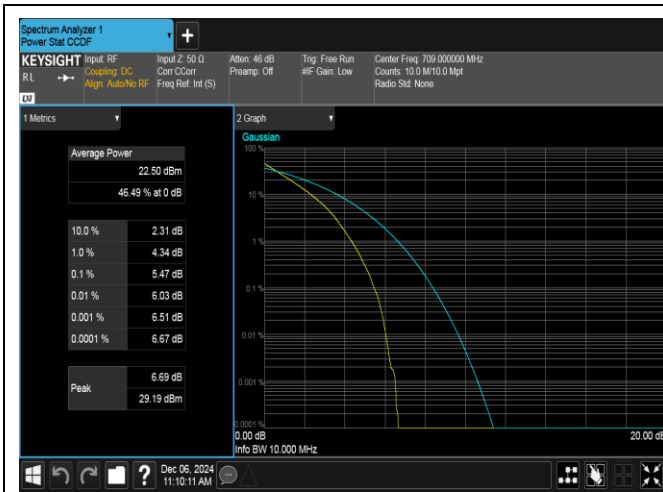
Band17-5MHz-16QAM-23825-25RB#0-PASS



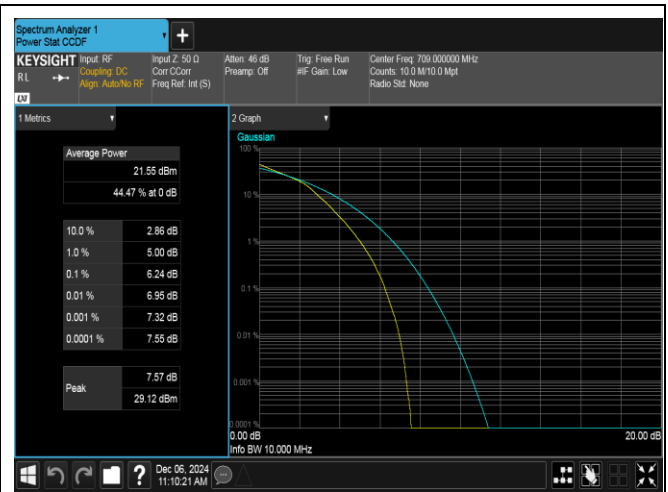
Band17-10MHz-QPSK-23780-1RB#0-PASS



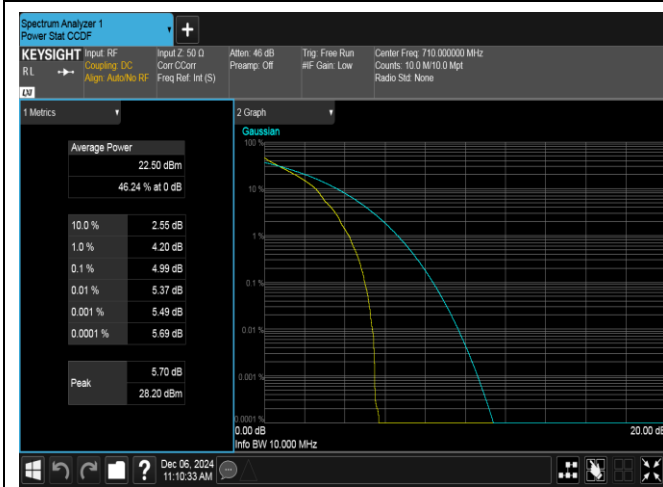
Band17-10MHz-16QAM-23780-1RB#0-PASS



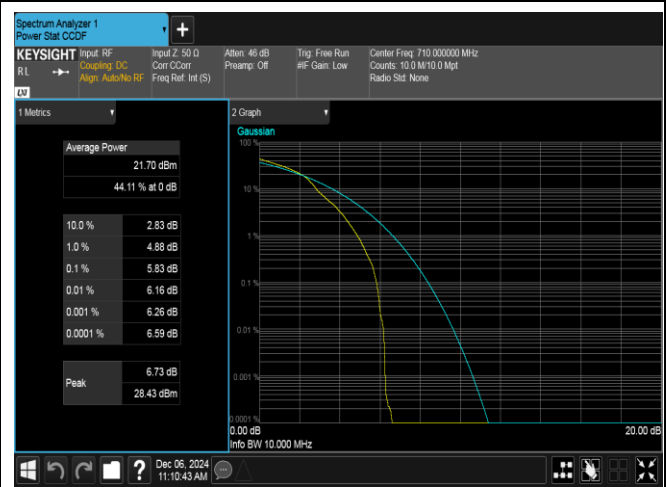
Band17-10MHz-QPSK-23780-50RB#0-PASS



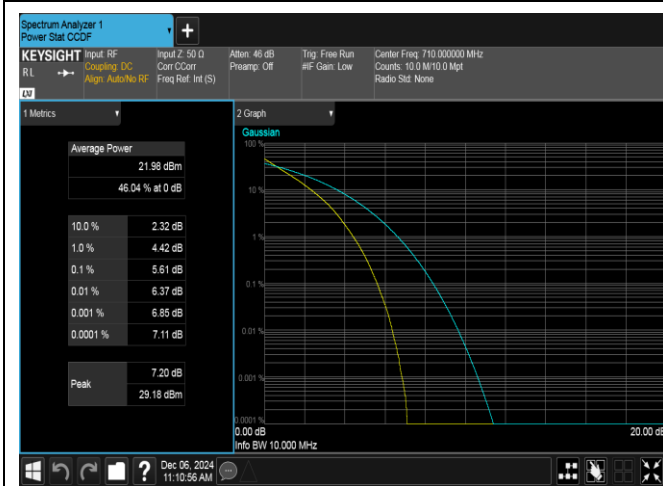
Band17-10MHz-16QAM-23780-50RB#0-PASS



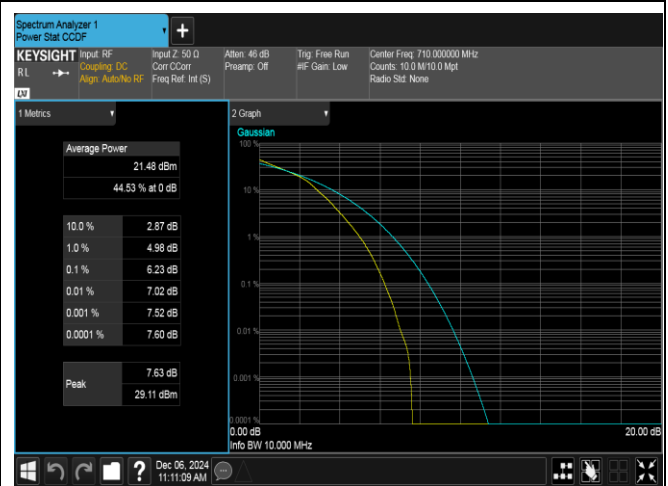
Band17-10MHz-QPSK-23790-1RB#0-PASS



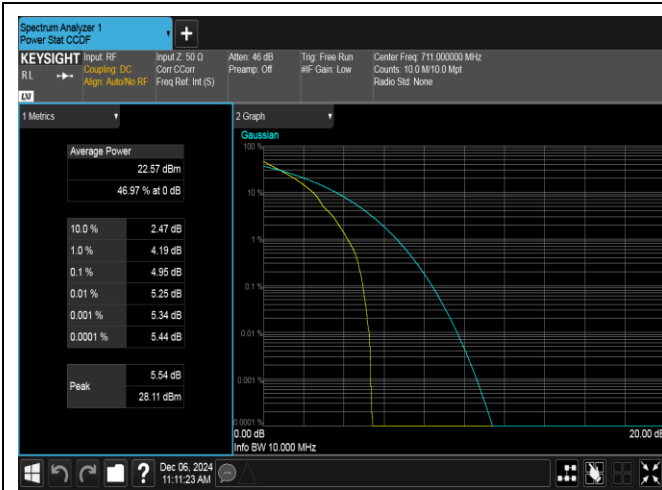
Band17-10MHz-16QAM-23790-1RB#0-PASS



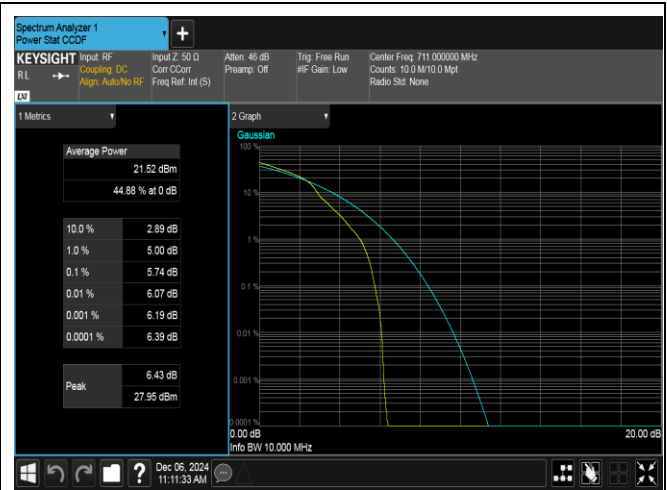
Band17-10MHz-QPSK-23790-50RB#0-PASS



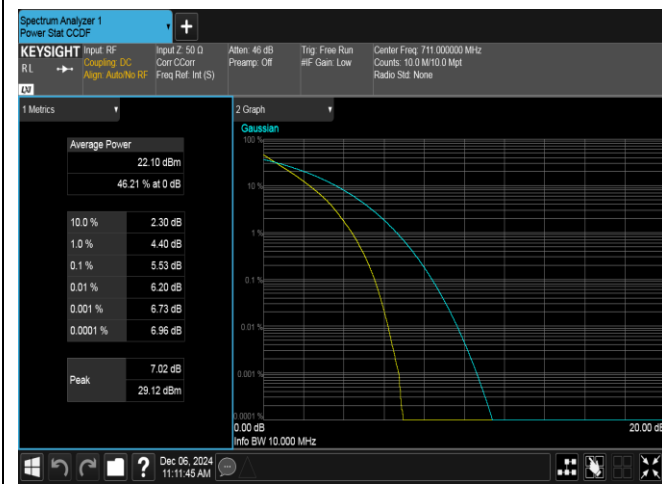
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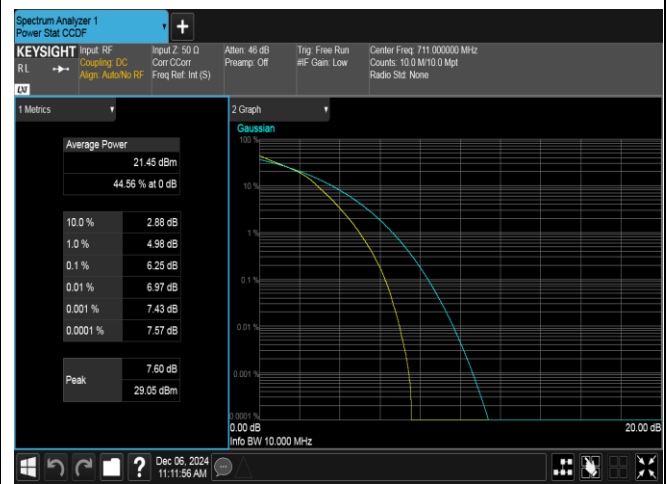
Band17-10MHz-QPSK-23800-1RB#0-PASS



Band17-10MHz-16QAM-23800-1RB#0-PASS



Band17-10MHz-QPSK-23800-50RB#0-PASS



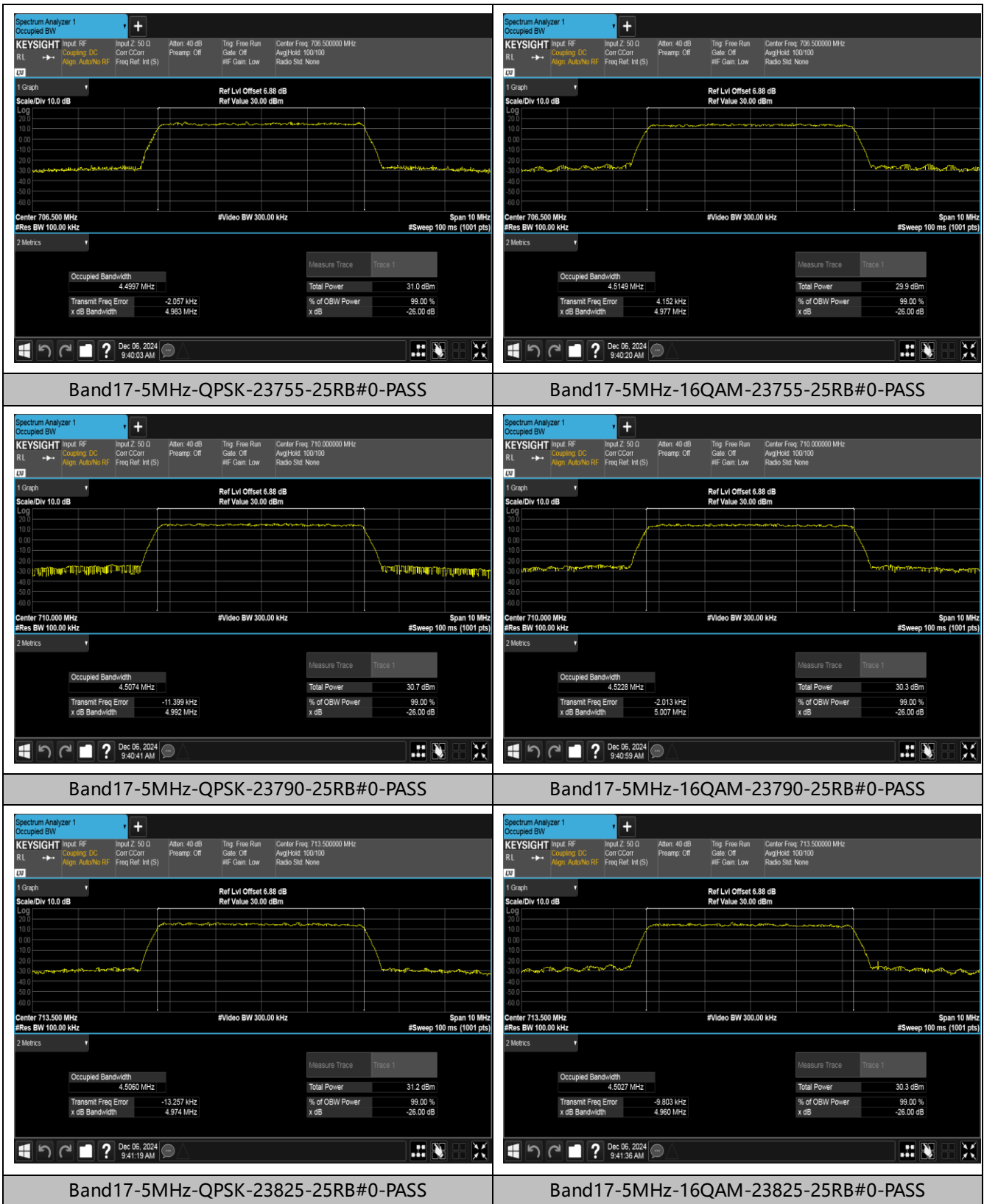
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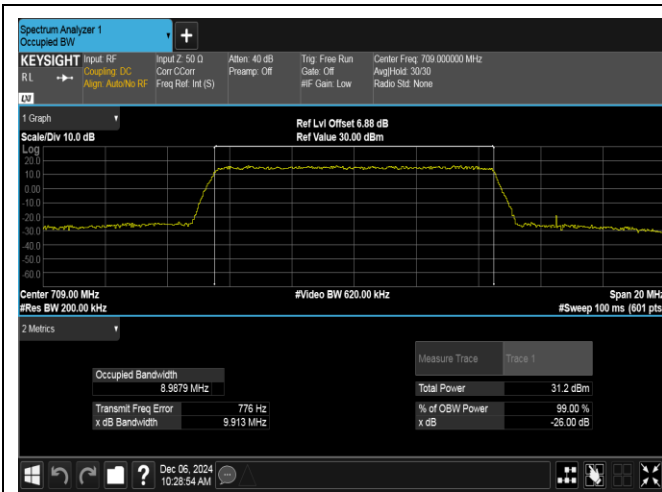
Appendix C: Occupied bandwidth

Test Result

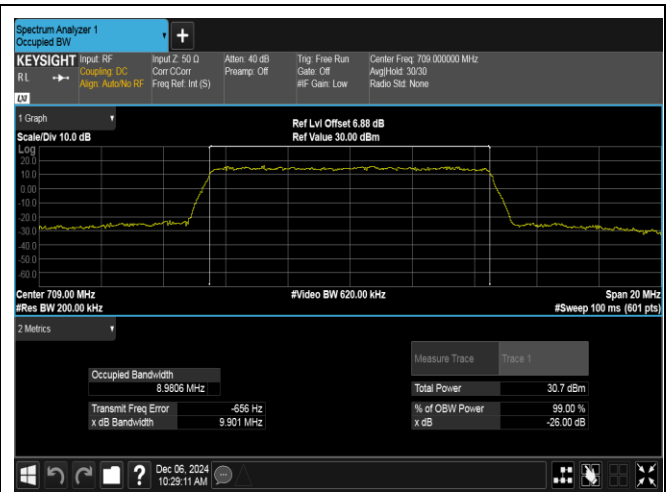
| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band17 | 5MHz | QPSK | 23755 | 25RB#0 | 4.4997 | 4.983 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | 4.5149 | 4.977 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 25RB#0 | 4.5074 | 4.992 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 25RB#0 | 4.5228 | 5.007 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 25RB#0 | 4.5060 | 4.974 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 25RB#0 | 4.5027 | 4.960 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | 8.9879 | 9.913 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | 8.9806 | 9.901 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | 8.9929 | 9.882 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | 8.9906 | 9.937 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | 8.9736 | 9.829 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | 8.9814 | 9.889 | PASS |

Test Graphs

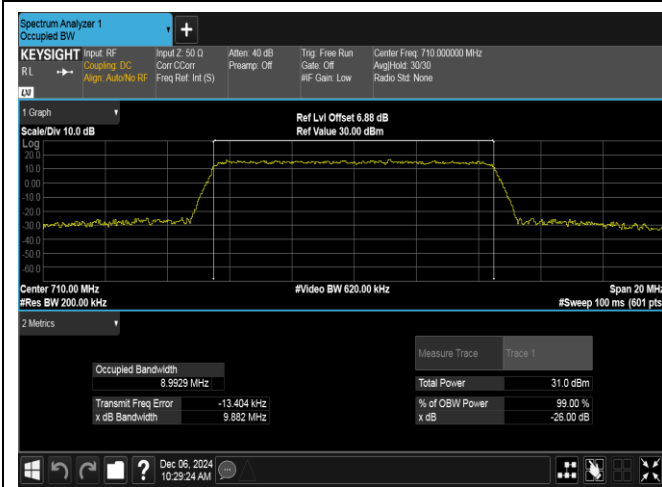




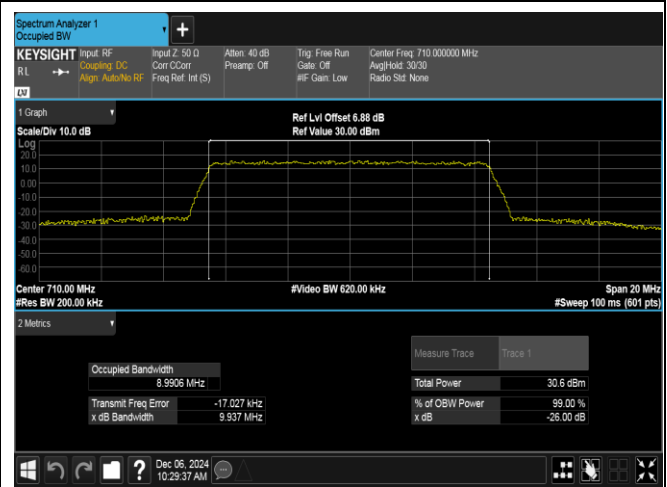
Band17-10MHz-QPSK-23780-50RB#0-PASS



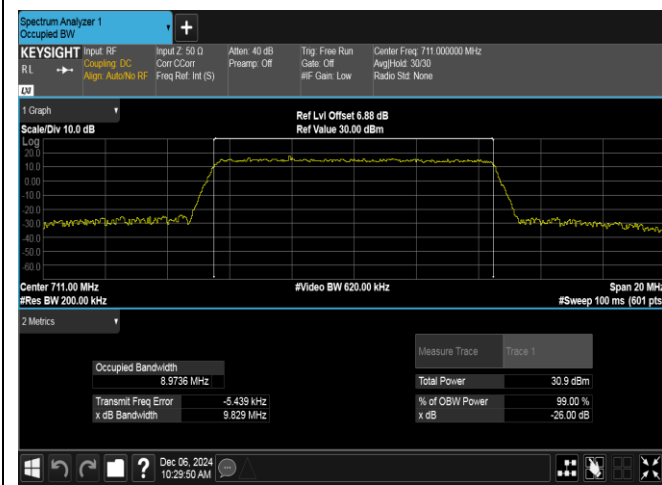
Band17-10MHz-16QAM-23780-50RB#0-PASS



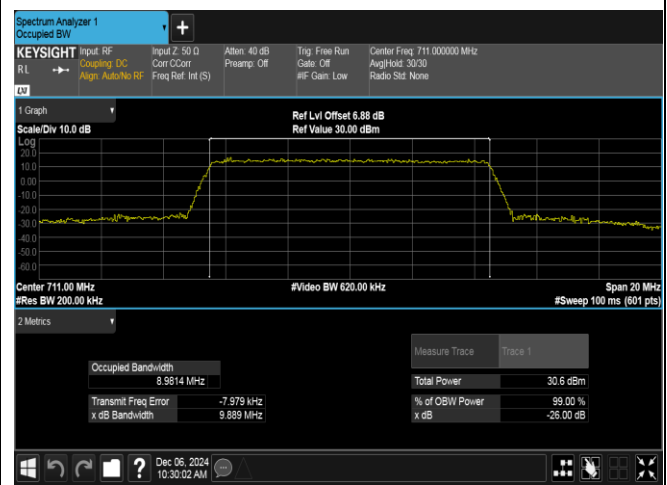
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Band17-10MHz-16QAM-23790-50RB#0-PASS



Band17-10MHz-QPSK-23800-50RB#0-PASS



Band17-10MHz-16QAM-23800-50RB#0-PASS

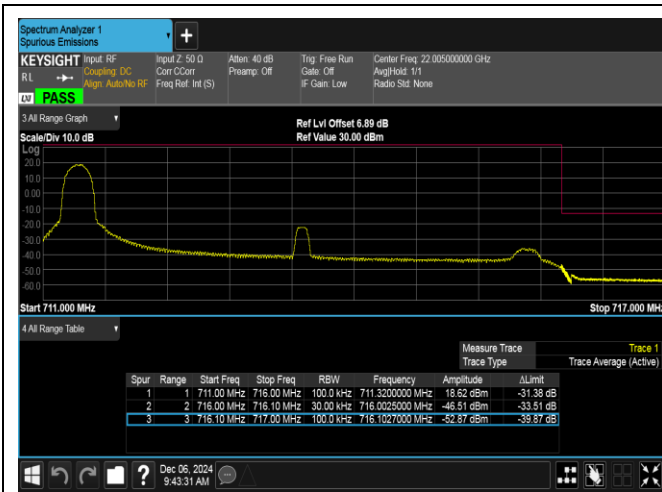
Appendix D: Band edge emissions

Test Result

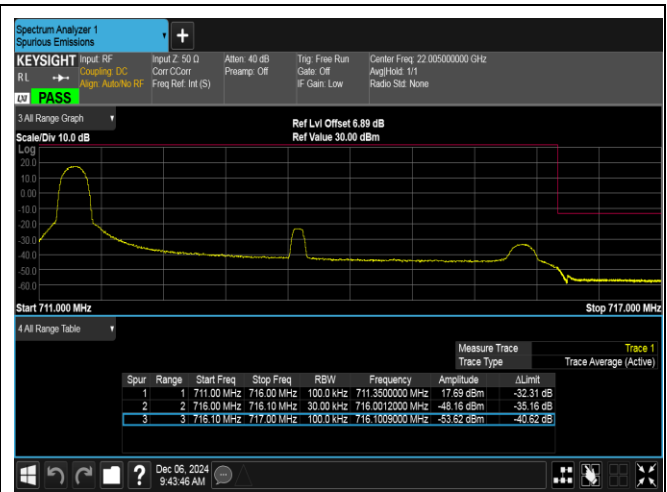
| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band17 | 5MHz | QPSK | 23755 | 1RB#0 | -28.40 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#0 | -30.35 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 1RB#24 | -46.61 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#24 | -47.01 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 25RB#0 | -39.35 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | -40.97 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#0 | -46.51 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#0 | -48.16 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#24 | -28.92 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#24 | -28.80 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 25RB#0 | -40.04 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 25RB#0 | -40.88 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#0 | -35.53 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#0 | -36.06 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#49 | -51.49 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#49 | -51.33 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | -44.96 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | -44.95 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#0 | -52.88 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#0 | -53.59 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#49 | -35.50 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#49 | -35.67 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | -45.52 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | -45.49 | PASS |

Test Graphs

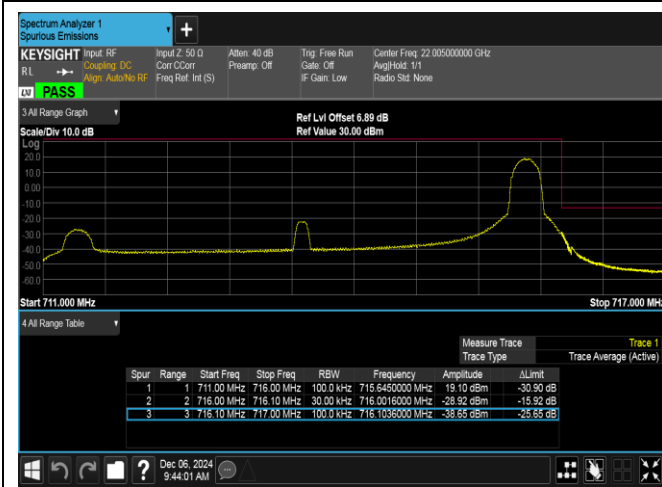




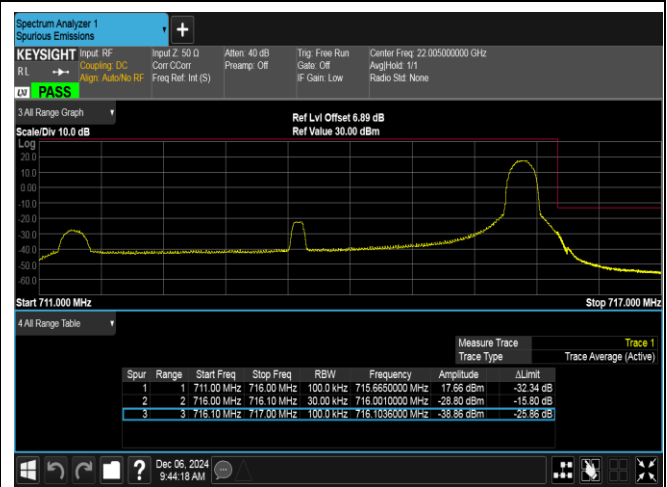
Band17_5MHz_QPSK_23825_1RB#0



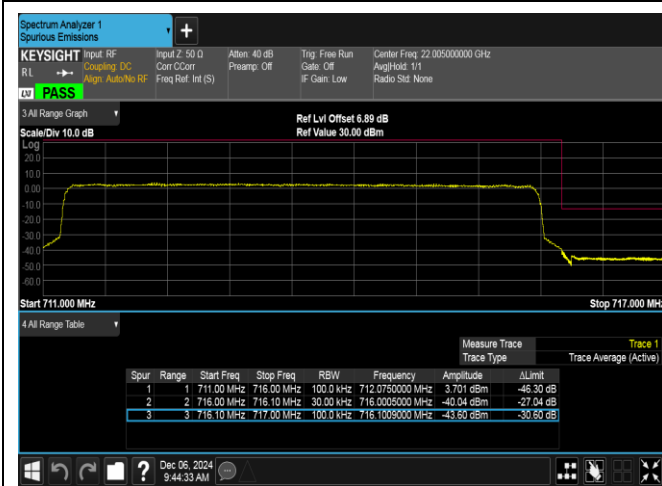
Band17_5MHz_16QAM_23825_1RB#0



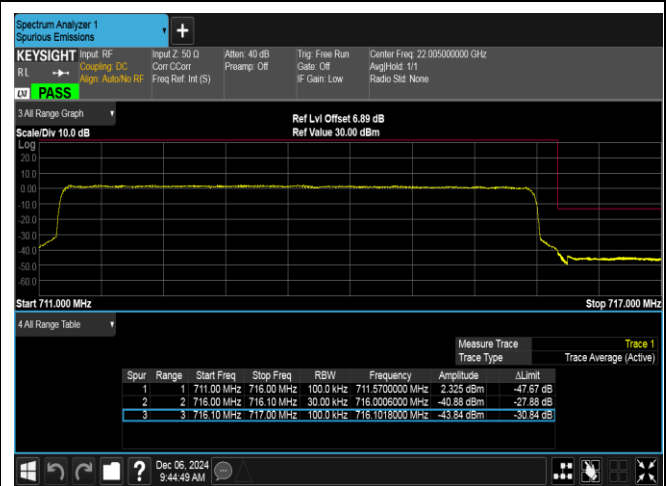
Band17_5MHz_QPSK_23825_1RB#24



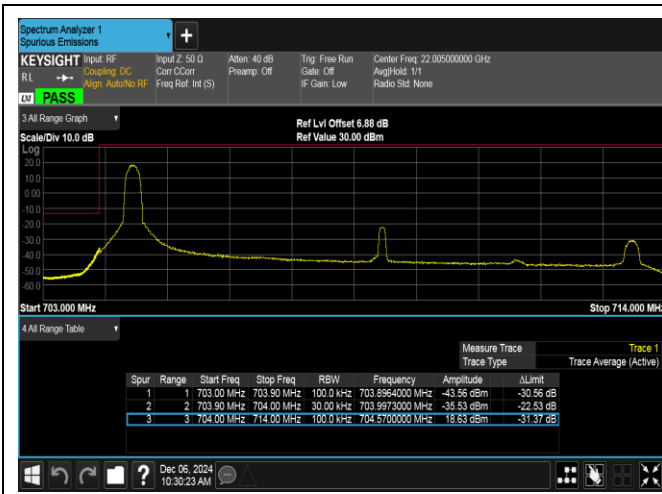
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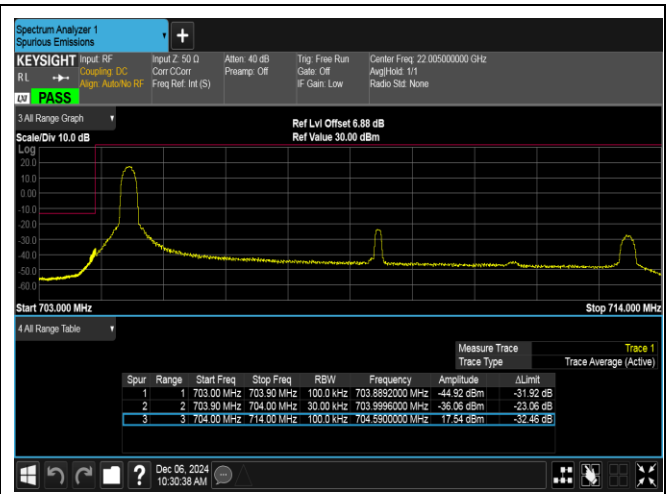
Band17_5MHz_QPSK_23825_25RB#0



Band17_5MHz_16QAM_23825_25RB#0



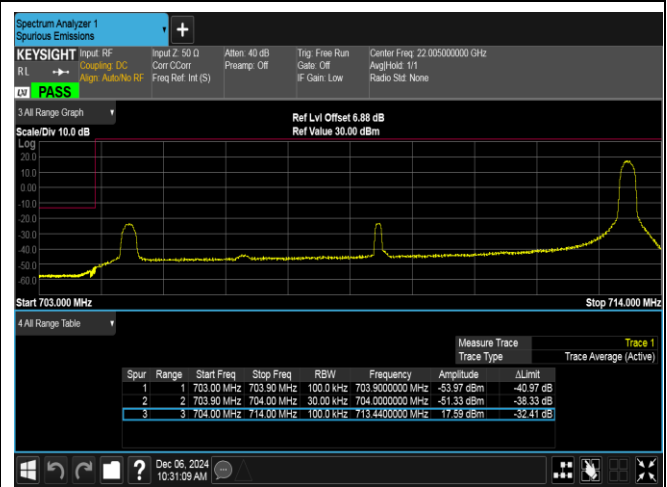
Band17_10MHz_QPSK_23780_1RB#0



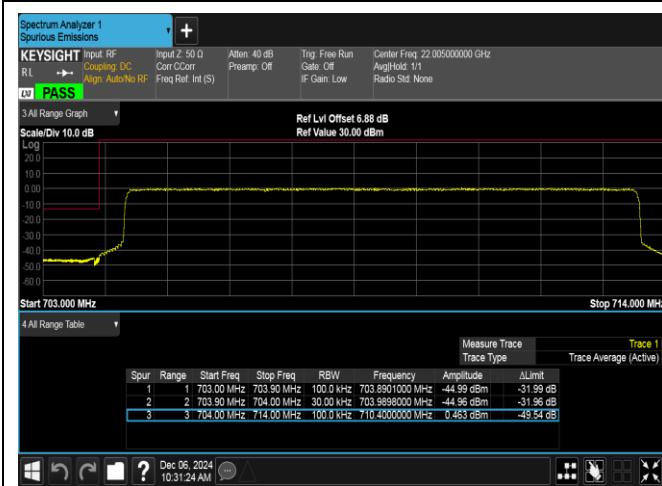
Band17_10MHz_16QAM_23780_1RB#0



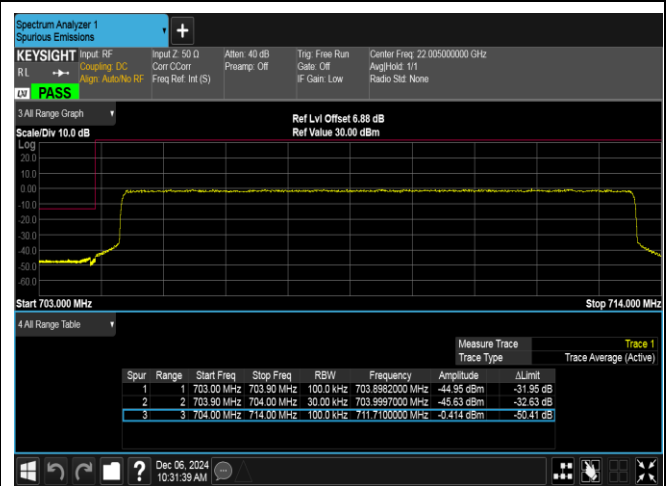
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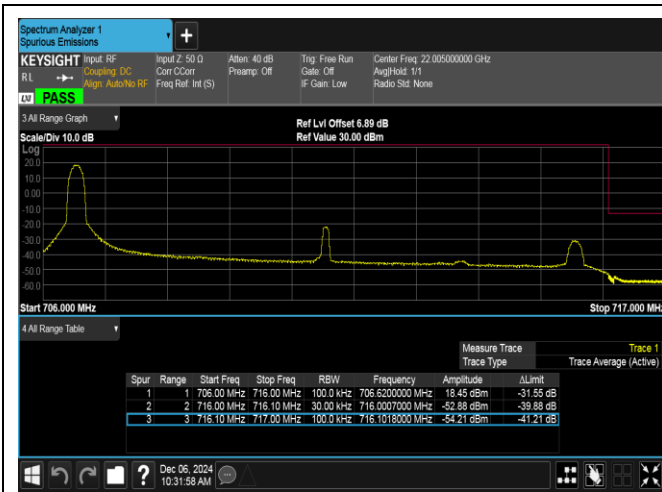
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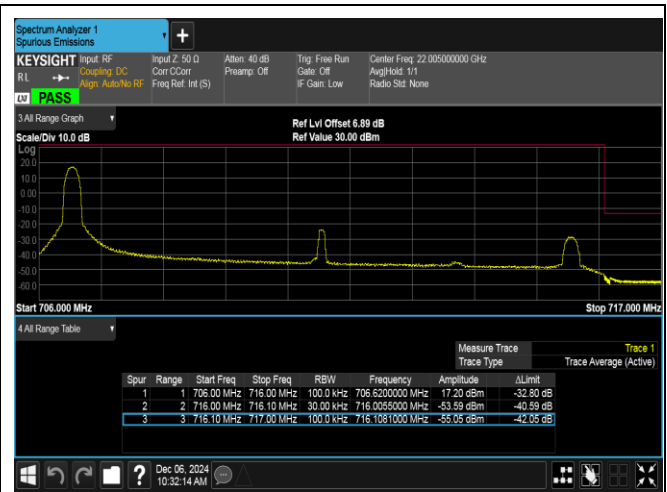
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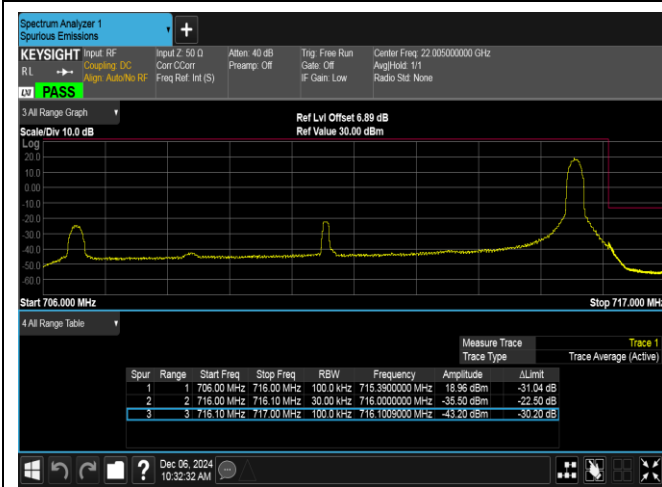
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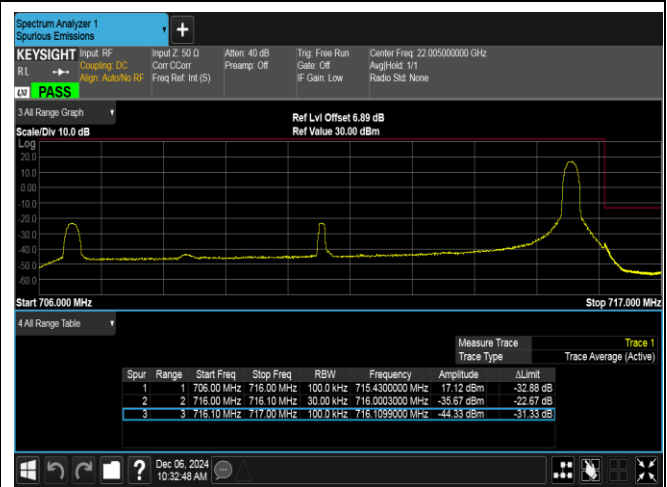
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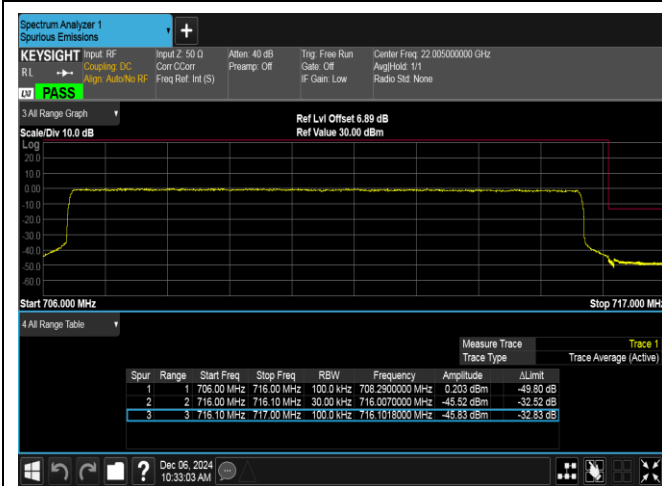
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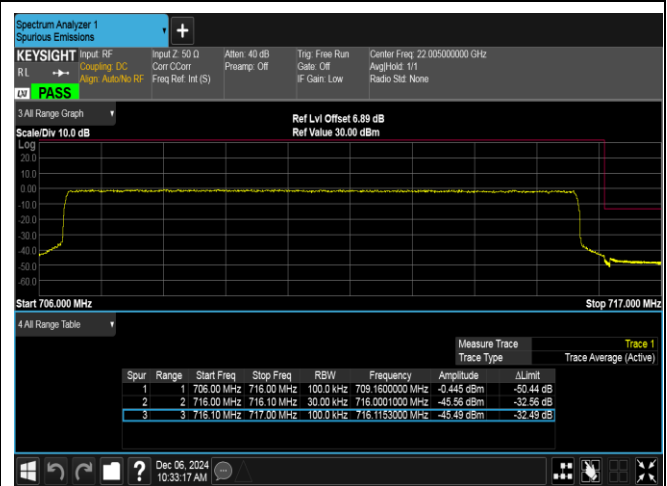
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Band17_10MHz_16QAM_23800_1RB#49



Band17_10MHz_QPSK_23800_50RB#0



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