



## Appendix J: Test Data for E-UTRA Band 12

**Product Name: Automatic Intelligent Medicine Dispenser**

**Test Model: GS01**

### Environmental Conditions

|                    |            |
|--------------------|------------|
| Temperature:       | 23.8° C    |
| Relative Humidity: | 52.1%      |
| ATM Pressure:      | 100.0 kPa  |
| Test Engineer:     | Paddi Chen |
| Supervised by:     | Nick Peng  |



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## Appendix J.1: Conducted Power Output Data

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 23.18       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 22.66       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#2            | 23.22       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#2            | 22.73       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#5            | 23.31       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#5            | 22.73       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#0            | 23.33       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 3RB#0            | 22.21       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#1            | 23.48       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 3RB#1            | 22.39       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#3            | 23.43       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 3RB#3            | 22.42       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | 22.39       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | 21.61       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 23.18       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 22.87       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#2            | 23.14       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#2            | 22.91       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#5            | 23.24       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#5            | 23.26       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#0            | 23.25       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 3RB#0            | 22.42       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#1            | 23.19       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 3RB#1            | 22.42       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#3            | 23.05       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 3RB#3            | 21.84       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 6RB#0            | 22.24       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 6RB#0            | 21.50       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 23.06       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 21.65       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#2            | 22.86       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#2            | 21.60       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#5            | 22.82       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#5            | 21.62       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 3RB#0            | 22.98       | PASS    |



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|        |        |       |       |        |       |      |
|--------|--------|-------|-------|--------|-------|------|
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#0  | 22.24 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 3RB#1  | 23.06 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#1  | 22.23 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 3RB#3  | 23.14 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#3  | 22.27 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 6RB#0  | 22.36 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0  | 21.52 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#0  | 22.59 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 1RB#0  | 21.65 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#8  | 22.75 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 1RB#8  | 21.55 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#14 | 22.53 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 1RB#14 | 21.61 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#0  | 21.87 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 8RB#0  | 21.10 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#4  | 21.87 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 8RB#4  | 21.26 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#7  | 21.86 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 8RB#7  | 21.24 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 15RB#0 | 21.86 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 15RB#0 | 20.92 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#0  | 22.60 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 1RB#0  | 21.34 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#8  | 22.54 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 1RB#8  | 21.34 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#14 | 22.76 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 1RB#14 | 21.62 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#0  | 21.54 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 8RB#0  | 20.92 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#4  | 21.55 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 8RB#4  | 20.93 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#7  | 21.56 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 8RB#7  | 20.99 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 15RB#0 | 21.69 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 15RB#0 | 20.66 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#0  | 22.29 | PASS |
| Band12 | 3MHz   | 16QAM | 23165 | 1RB#0  | 22.36 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#8  | 22.32 | PASS |
| Band12 | 3MHz   | 16QAM | 23165 | 1RB#8  | 22.26 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#14 | 22.24 | PASS |



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|--------|------|-------|-------|---------|-------|------|
| Band12 | 3MHz | 16QAM | 23165 | 1RB#14  | 22.31 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 8RB#0   | 21.46 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#0   | 20.86 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 8RB#4   | 21.46 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#4   | 20.75 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 8RB#7   | 21.56 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#7   | 20.63 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 15RB#0  | 21.52 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0  | 20.65 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0   | 23.18 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0   | 21.81 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#12  | 23.09 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#12  | 21.78 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#24  | 23.14 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#24  | 21.59 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#0  | 22.33 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#0  | 21.38 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#6  | 22.33 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#6  | 21.38 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#13 | 22.09 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#13 | 21.29 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 25RB#0  | 22.24 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 25RB#0  | 21.45 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0   | 22.81 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0   | 22.41 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#12  | 22.79 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#12  | 22.39 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#24  | 22.81 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#24  | 21.84 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#0  | 22.29 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#0  | 21.26 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#6  | 22.23 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#6  | 21.26 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#13 | 21.78 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#13 | 21.14 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 25RB#0  | 22.33 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 25RB#0  | 21.30 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#0   | 22.66 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#0   | 21.81 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#12  | 22.71 | PASS |



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|--------|-------|-------|-------|---------|-------|------|
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#12  | 21.81 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 1RB#24  | 22.64 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#24  | 21.70 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 12RB#0  | 21.93 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#0  | 21.08 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 12RB#6  | 21.93 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#6  | 21.16 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 12RB#13 | 21.79 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#13 | 21.20 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 25RB#0  | 22.08 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 25RB#0  | 21.25 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0   | 22.96 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0   | 22.41 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#24  | 22.88 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#24  | 22.23 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#49  | 22.71 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#49  | 22.17 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#0  | 22.12 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#0  | 21.31 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#12 | 22.12 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#12 | 21.30 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#25 | 22.00 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#25 | 21.17 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 50RB#0  | 22.10 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0  | 21.26 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0   | 23.15 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0   | 22.14 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#24  | 23.05 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#24  | 22.10 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#49  | 22.94 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#49  | 22.01 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#0  | 22.03 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#0  | 21.40 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#12 | 22.22 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#12 | 21.34 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#25 | 21.95 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#25 | 21.36 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 50RB#0  | 22.00 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0  | 21.35 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0   | 22.69 | PASS |



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|--------|-------|-------|-------|---------|-------|------|
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0   | 22.76 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#24  | 22.69 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#24  | 22.70 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#49  | 22.58 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#49  | 22.64 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#0  | 21.95 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#0  | 21.17 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#12 | 21.83 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#12 | 21.17 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#25 | 21.99 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#25 | 21.17 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 50RB#0  | 21.95 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0  | 21.28 | PASS |





## Appendix J.2: Peak-to-Average Ratio(CCDF)

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 4.69       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 5.16       | 13        | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | 5.32       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | 6.04       | 13        | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 4.65       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 5.06       | 13        | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 6RB#0            | 5.34       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 6RB#0            | 6.04       | 13        | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 4.17       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 4.71       | 13        | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 6RB#0            | 4.82       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 6RB#0            | 5.48       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 4.83       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 1RB#0            | 5.64       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 15RB#0           | 5.37       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 15RB#0           | 6.11       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 1RB#0            | 4.76       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23095   | 1RB#0            | 5.58       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 15RB#0           | 5.36       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23095   | 15RB#0           | 6.08       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 1RB#0            | 4.50       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 1RB#0            | 5.27       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 15RB#0           | 4.97       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 15RB#0           | 5.72       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 1RB#0            | 4.89       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 1RB#0            | 5.59       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 25RB#0           | 5.49       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 25RB#0           | 6.15       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23095   | 1RB#0            | 4.88       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23095   | 1RB#0            | 5.60       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23095   | 25RB#0           | 5.49       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23095   | 25RB#0           | 6.13       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 1RB#0            | 4.79       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23155   | 1RB#0            | 5.58       | 13        | PASS    |



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|        |       |       |       |        |      |    |      |
|--------|-------|-------|-------|--------|------|----|------|
| Band12 | 5MHz  | QPSK  | 23155 | 25RB#0 | 5.29 | 13 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 25RB#0 | 5.94 | 13 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0  | 4.81 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0  | 5.54 | 13 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 50RB#0 | 5.49 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | 6.16 | 13 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0  | 4.86 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0  | 5.71 | 13 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 50RB#0 | 5.54 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | 6.19 | 13 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0  | 4.79 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0  | 5.50 | 13 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 50RB#0 | 5.42 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | 6.10 | 13 | PASS |



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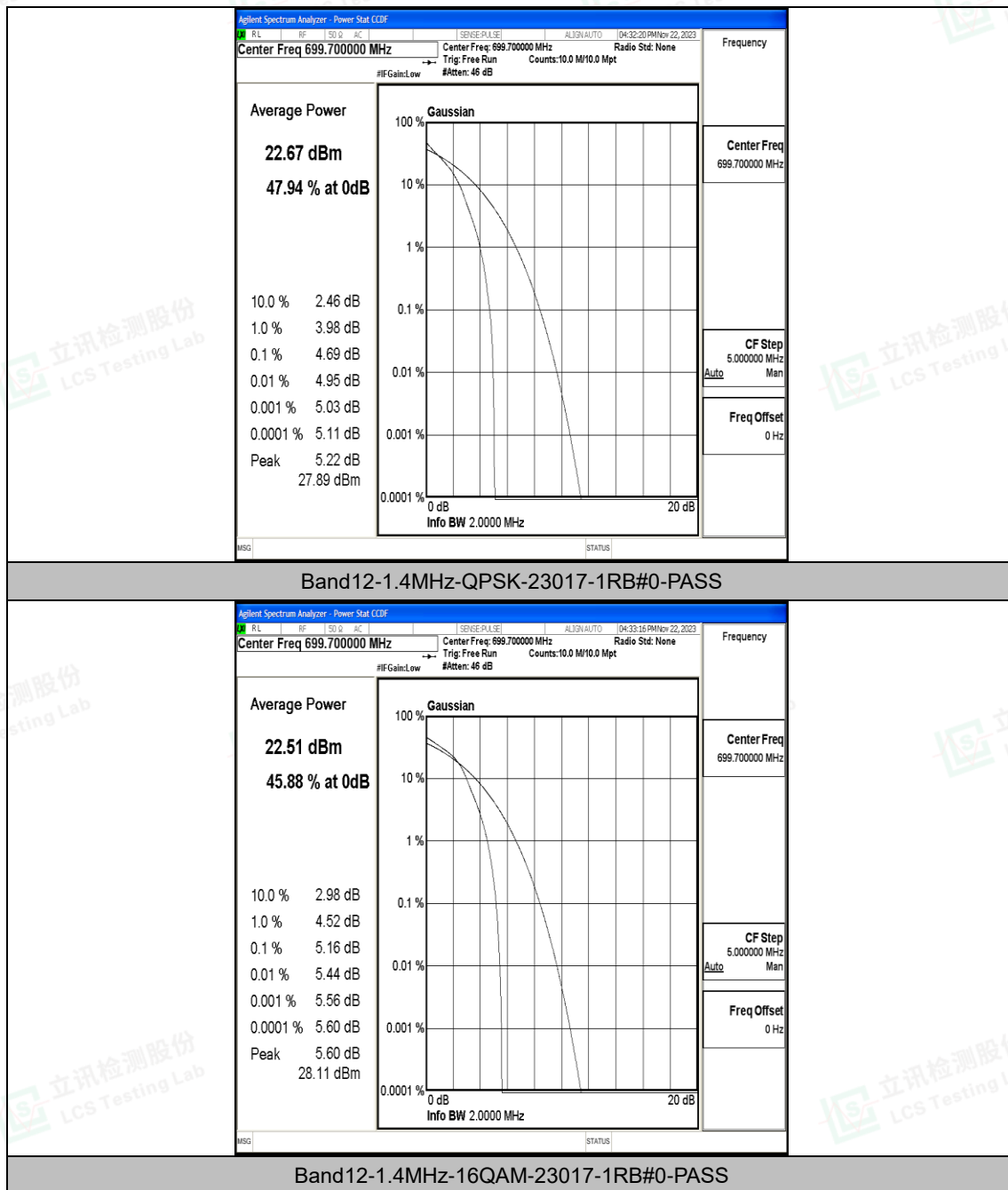
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## Test Graphs

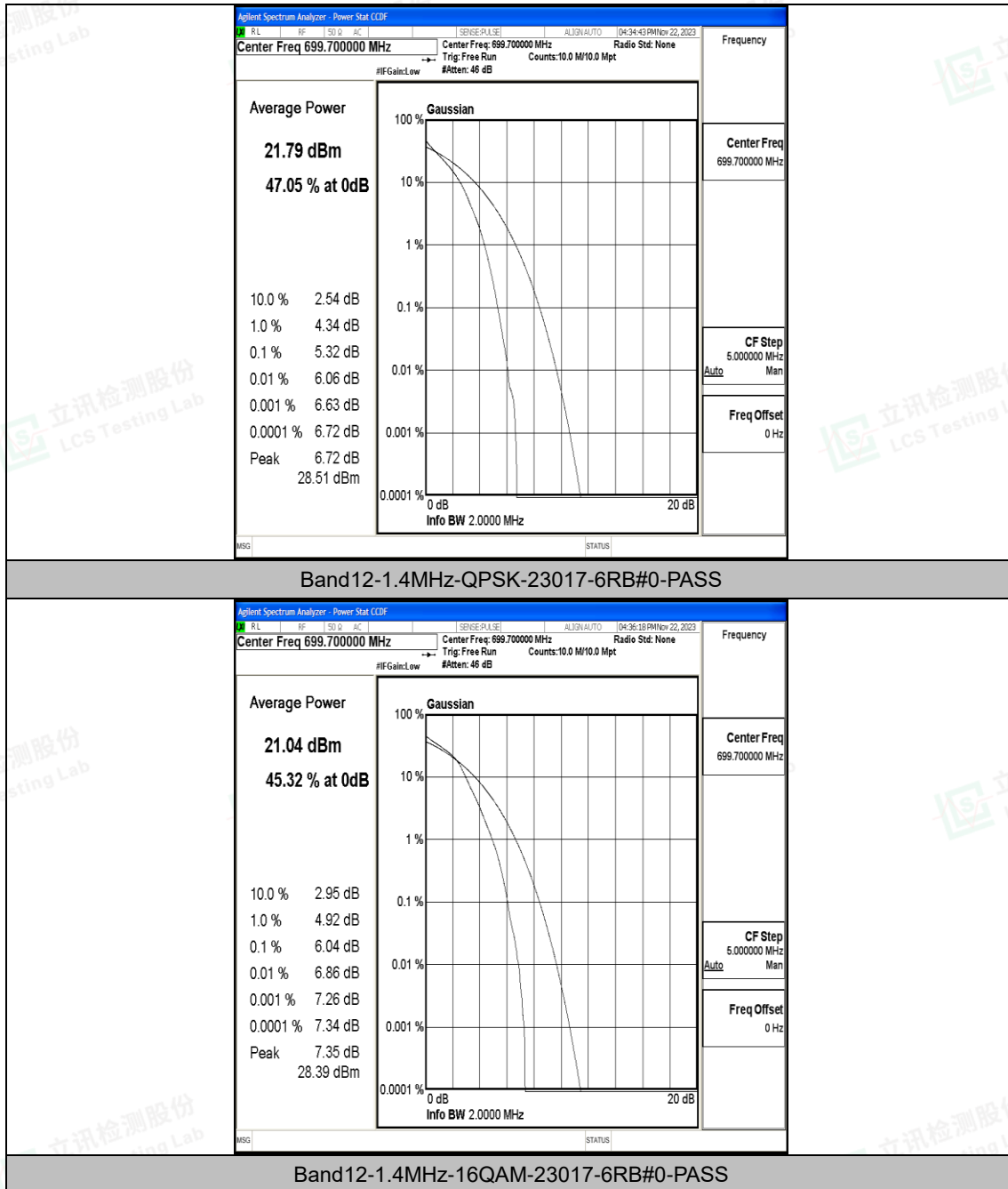


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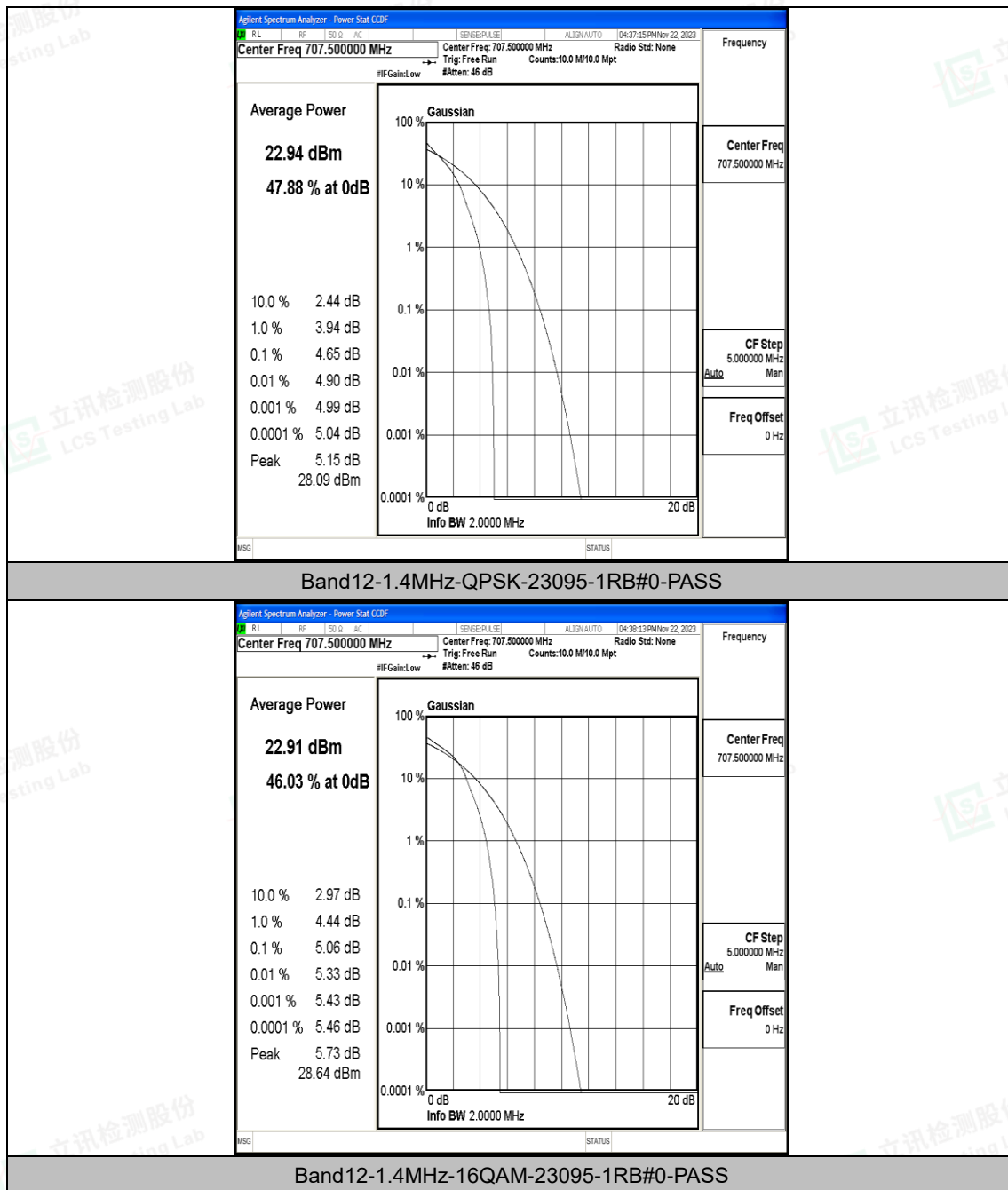


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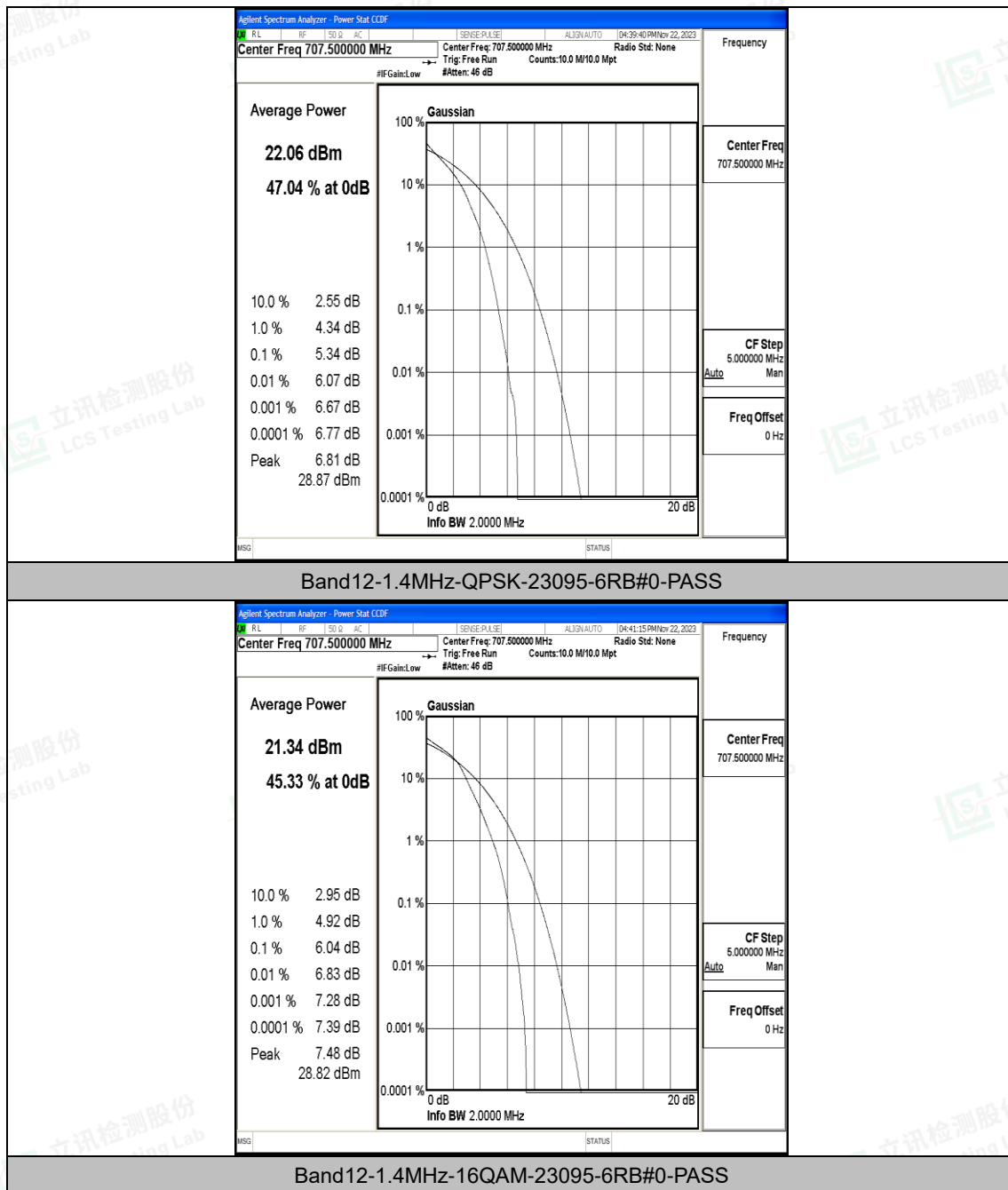


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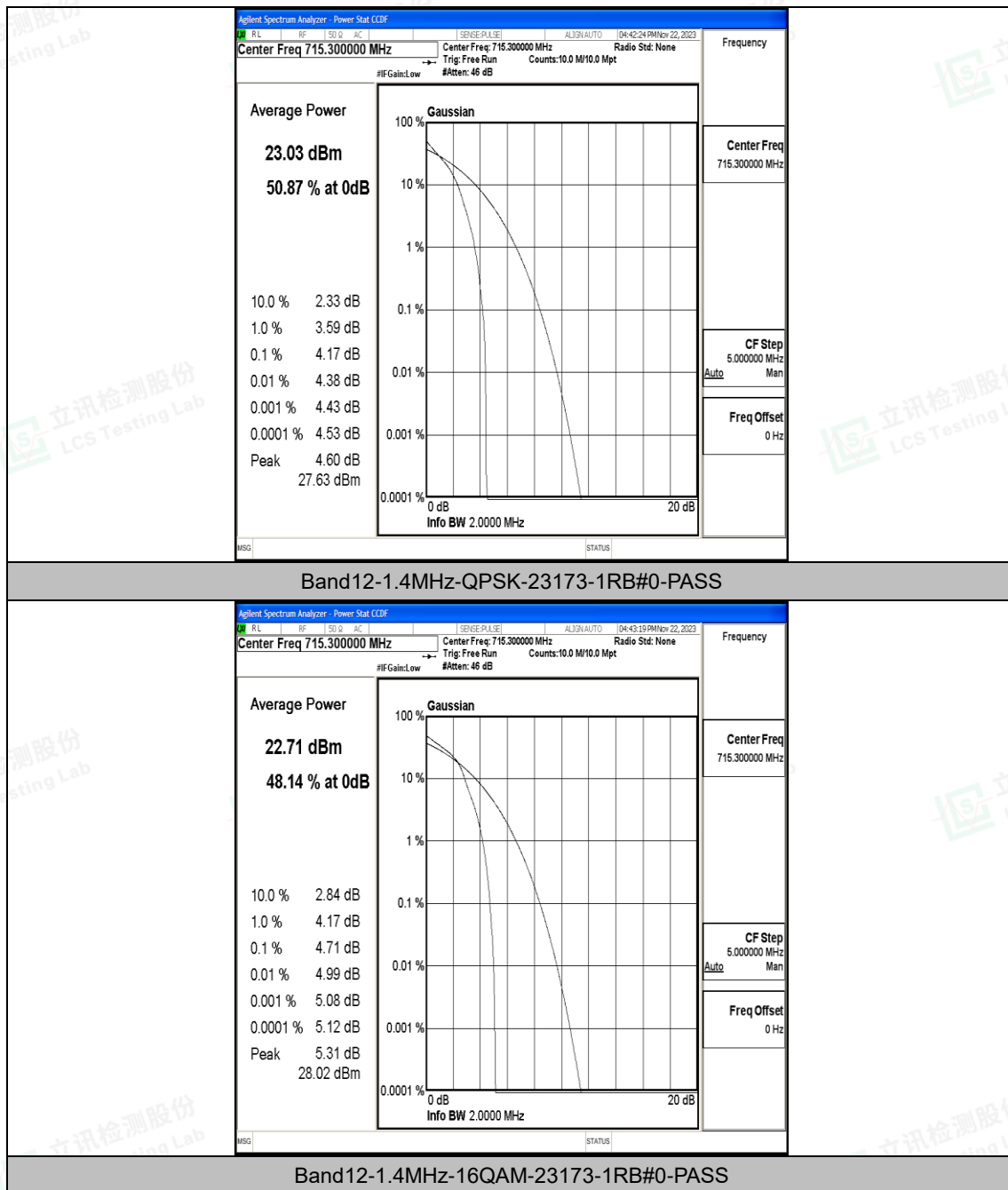


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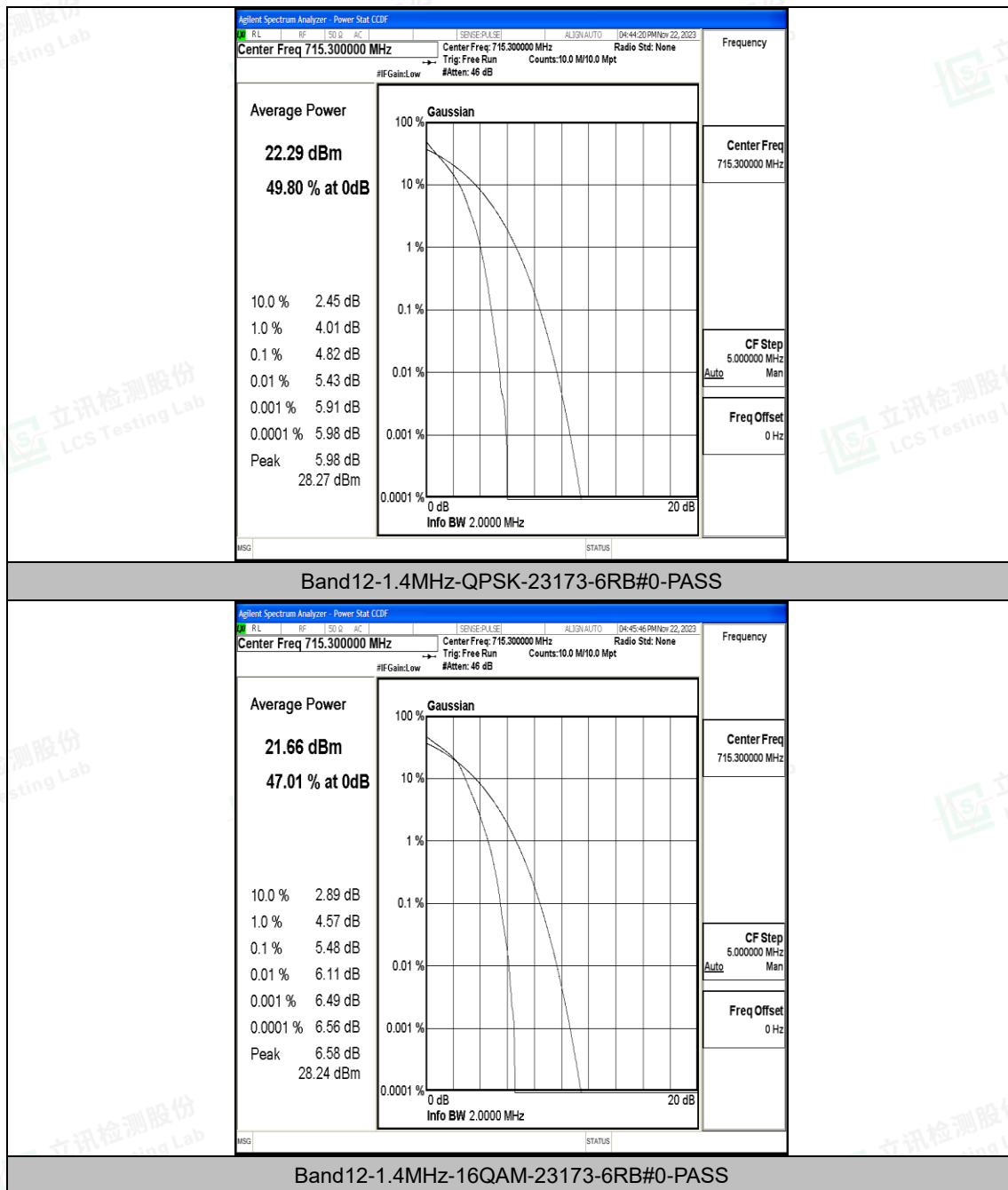


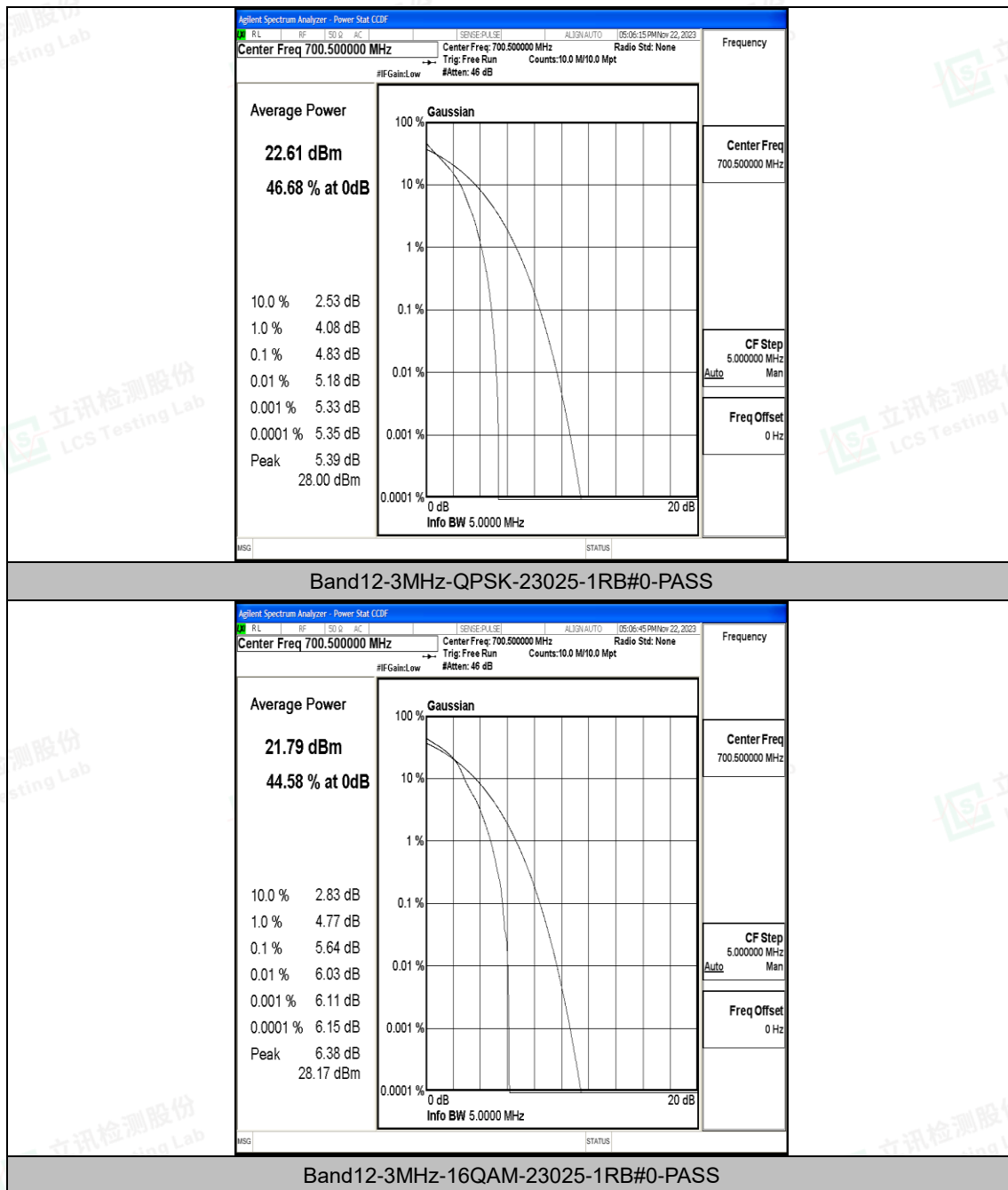
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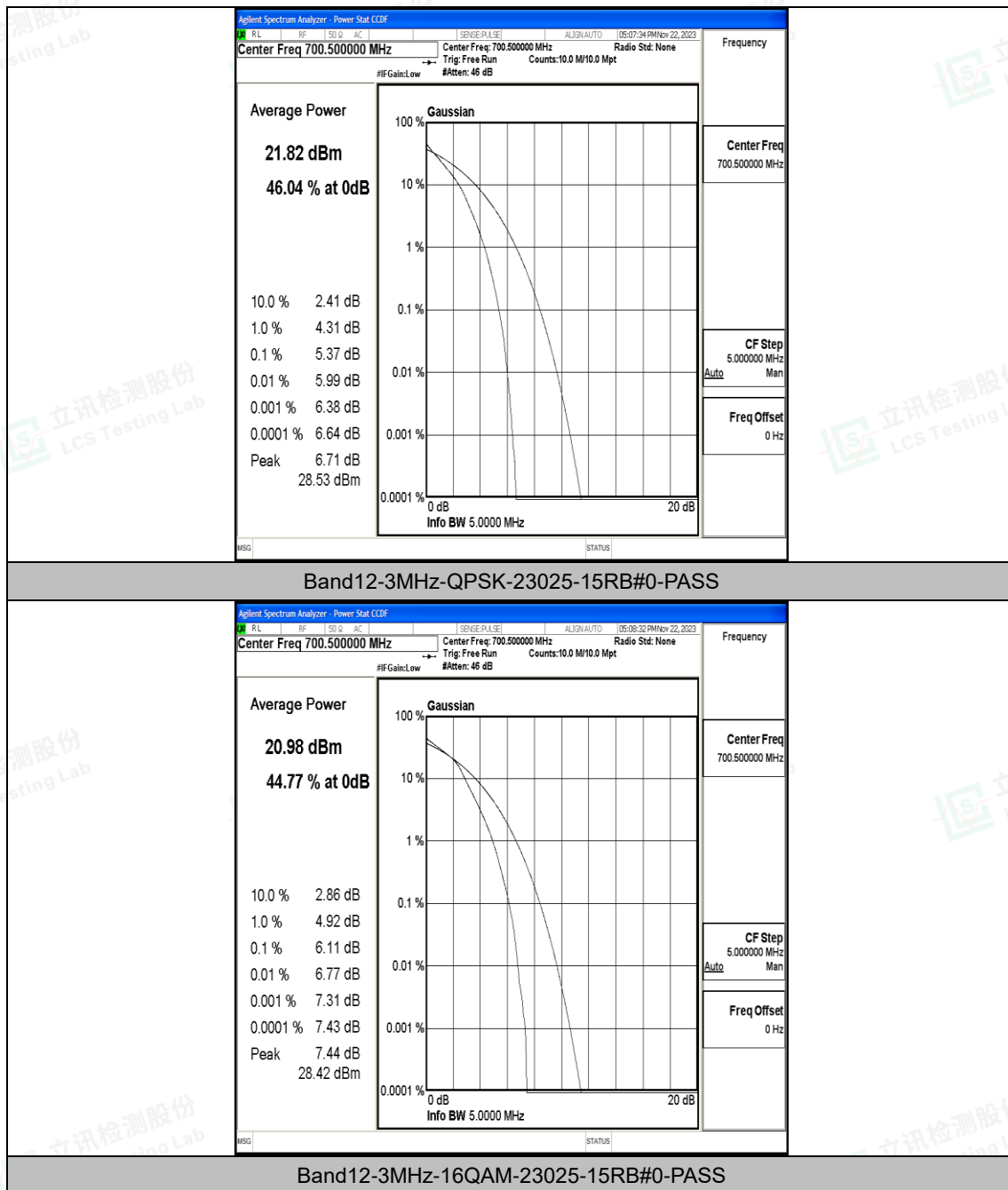


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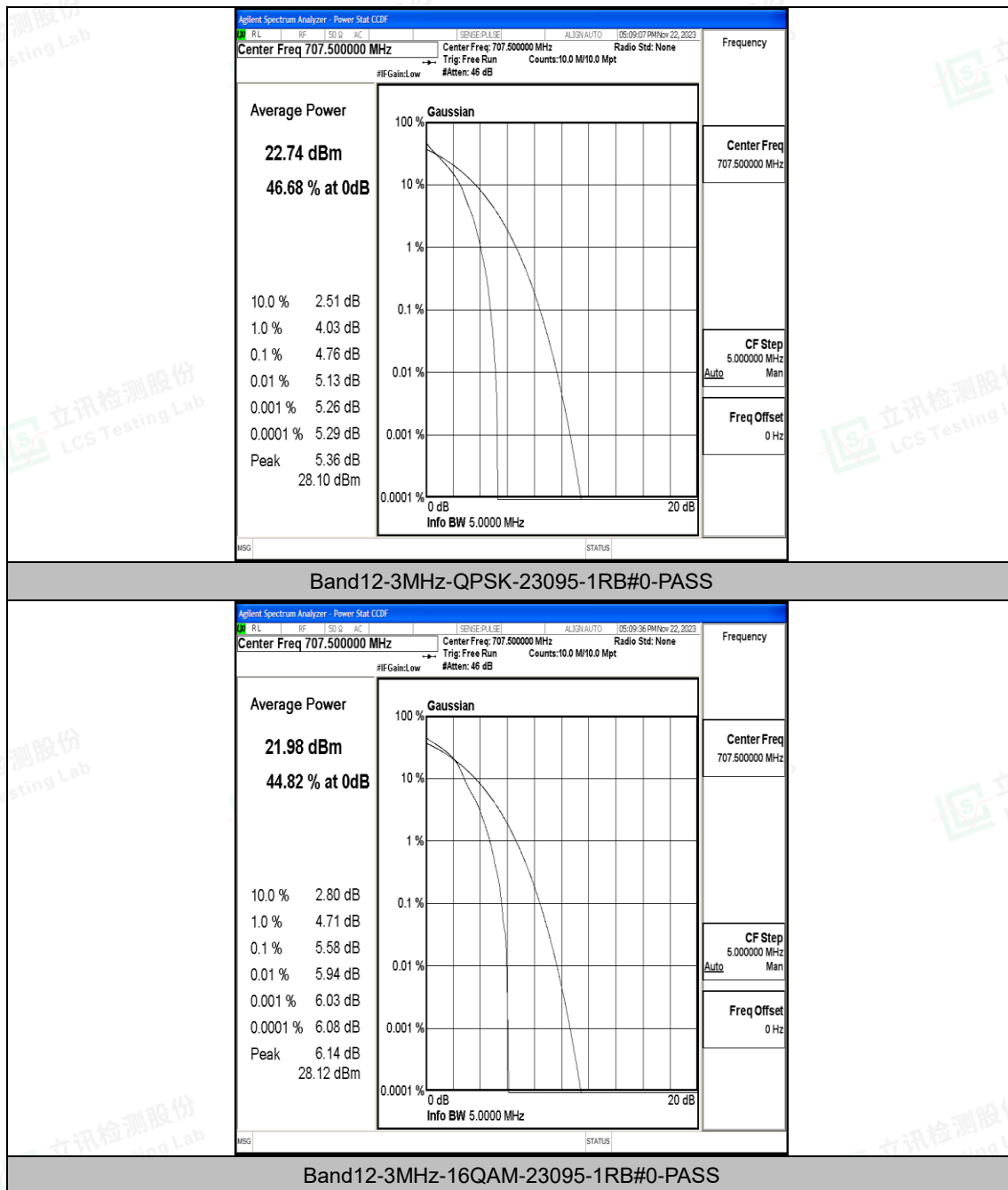


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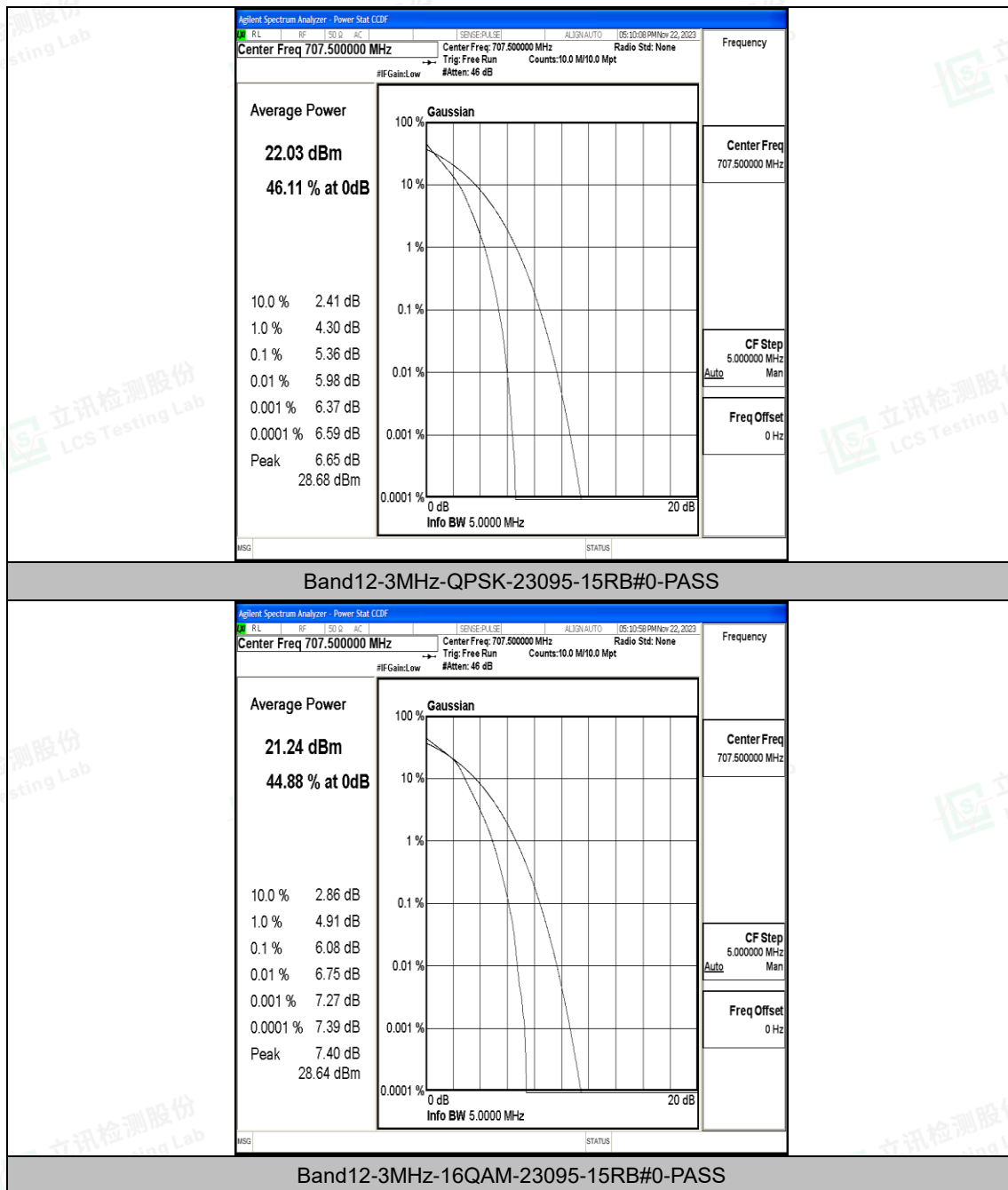


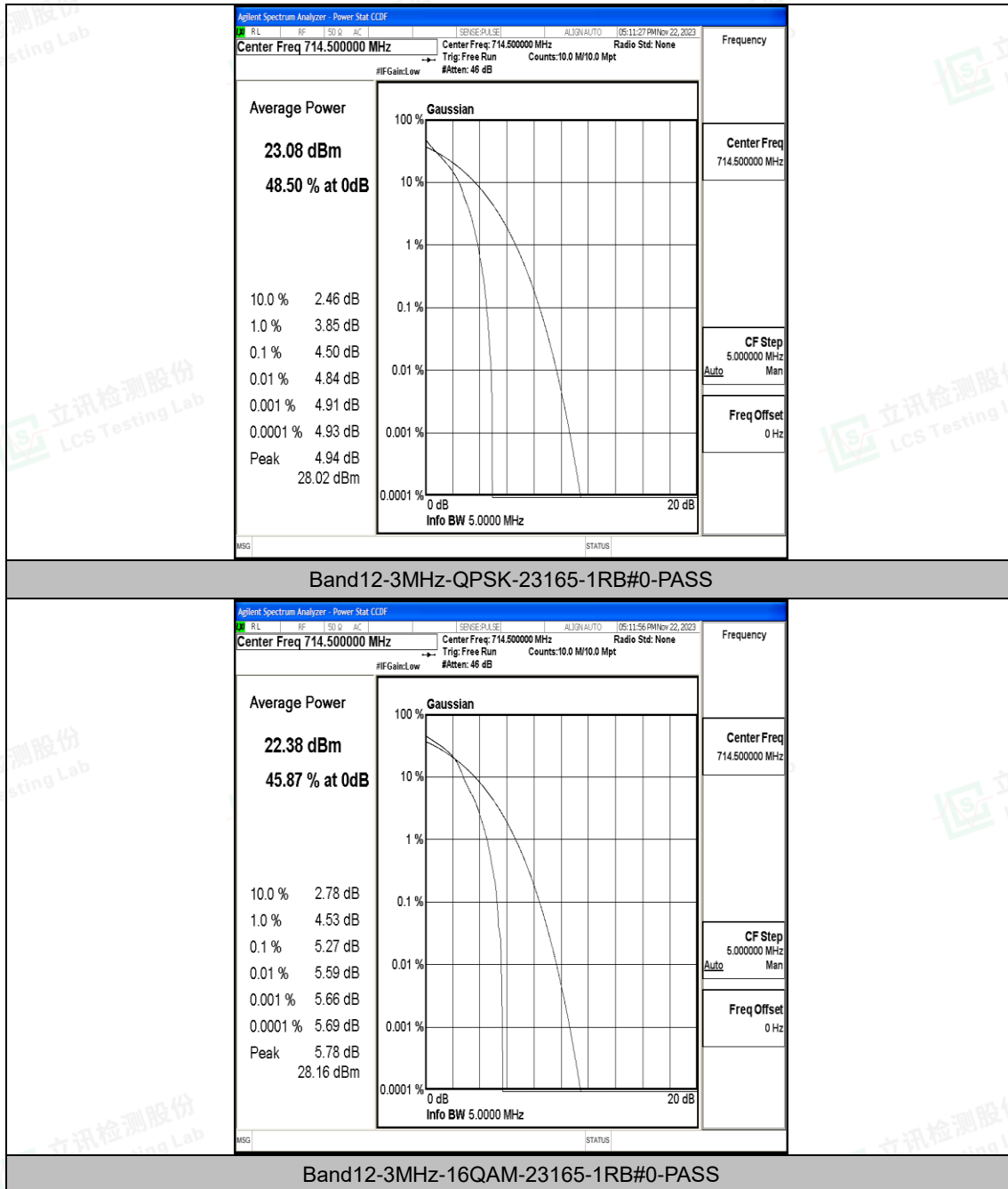
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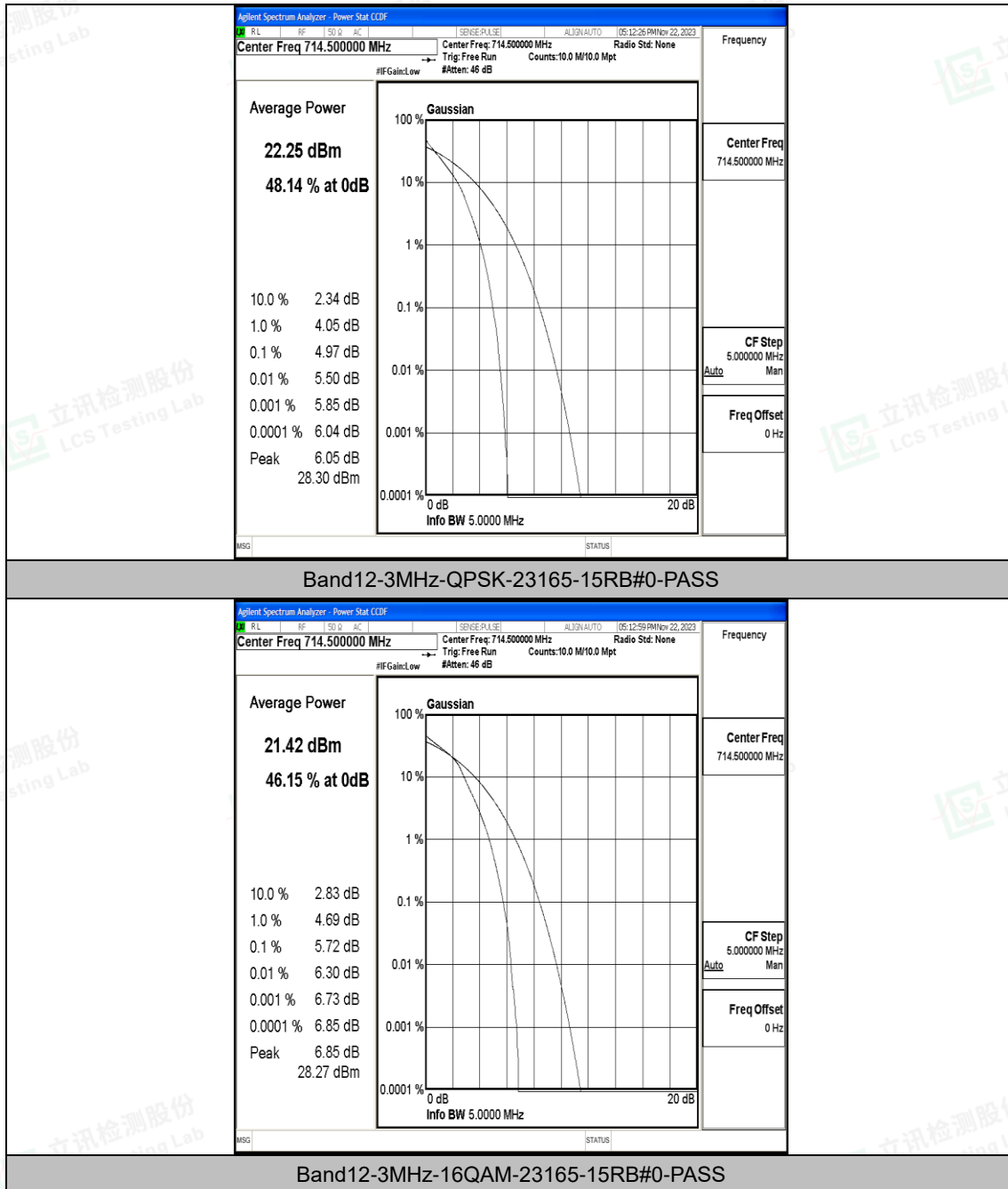


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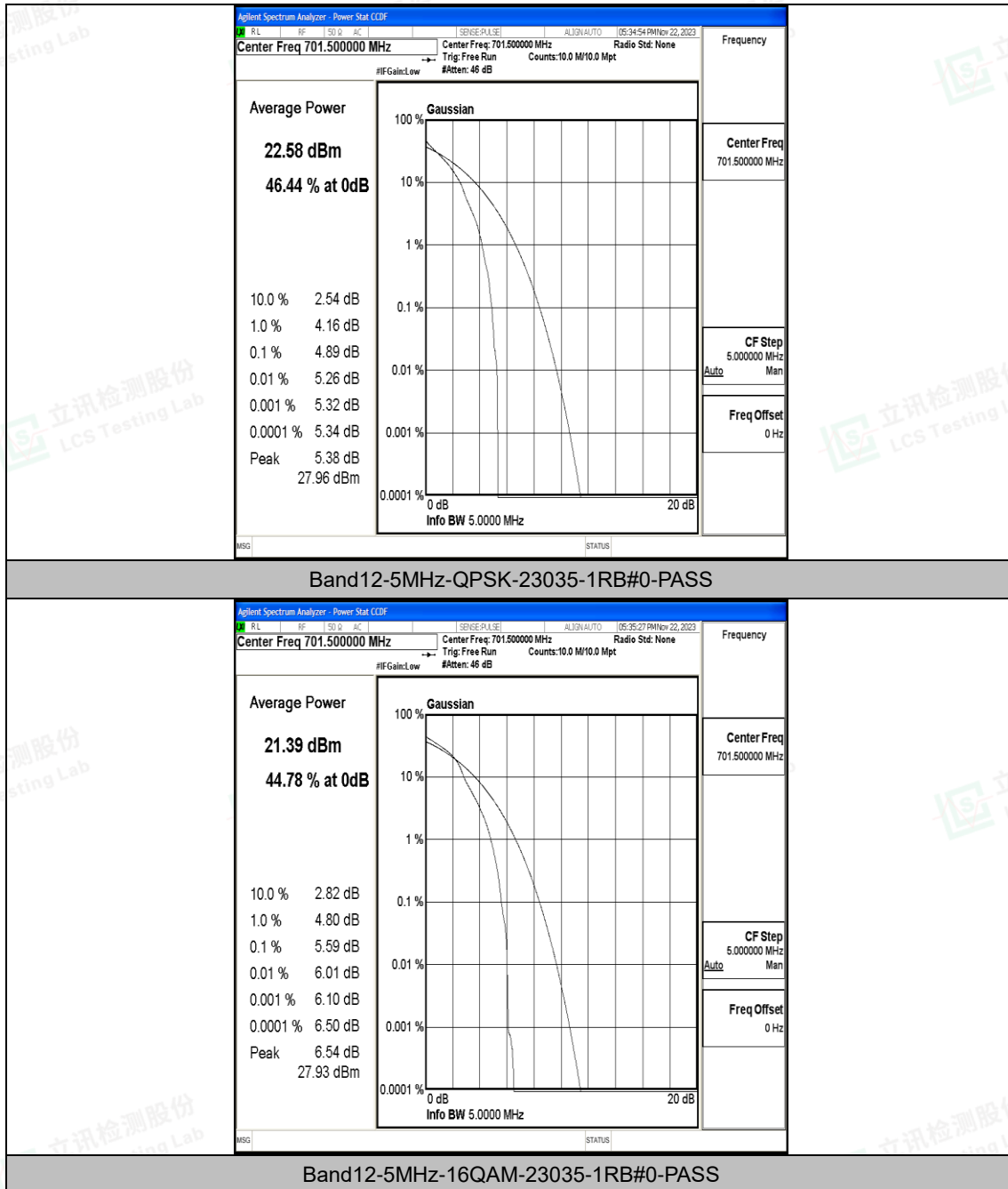


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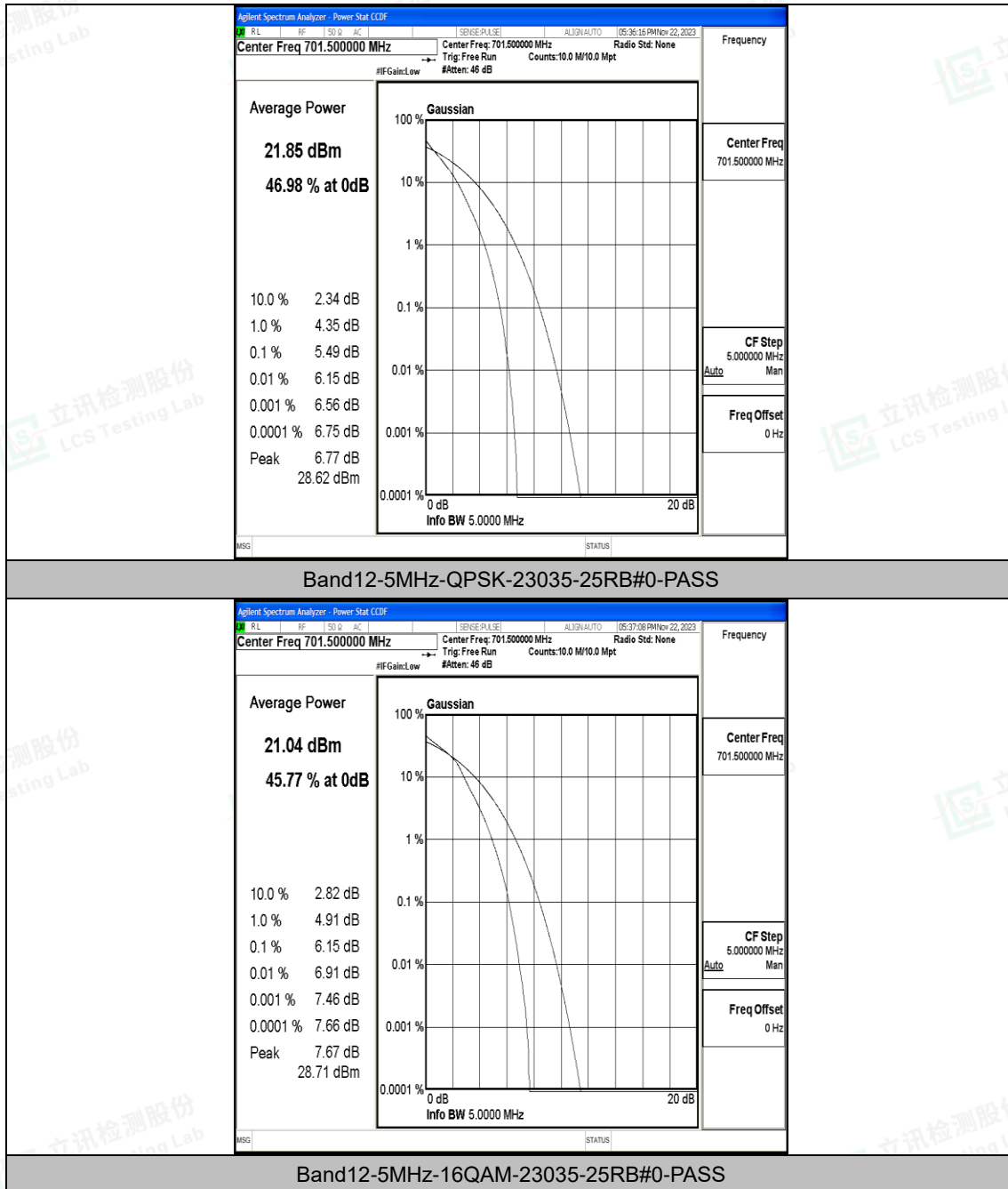


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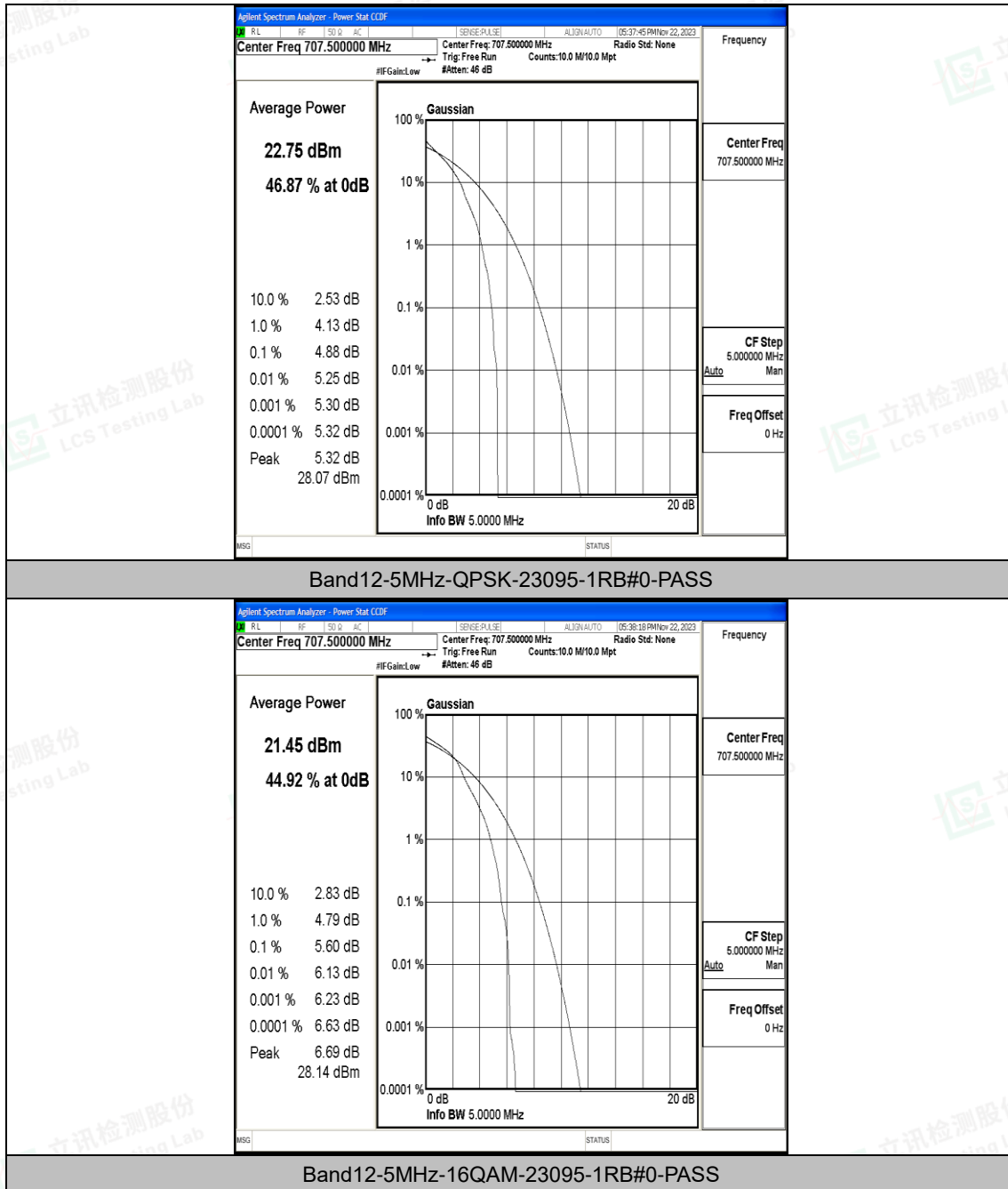


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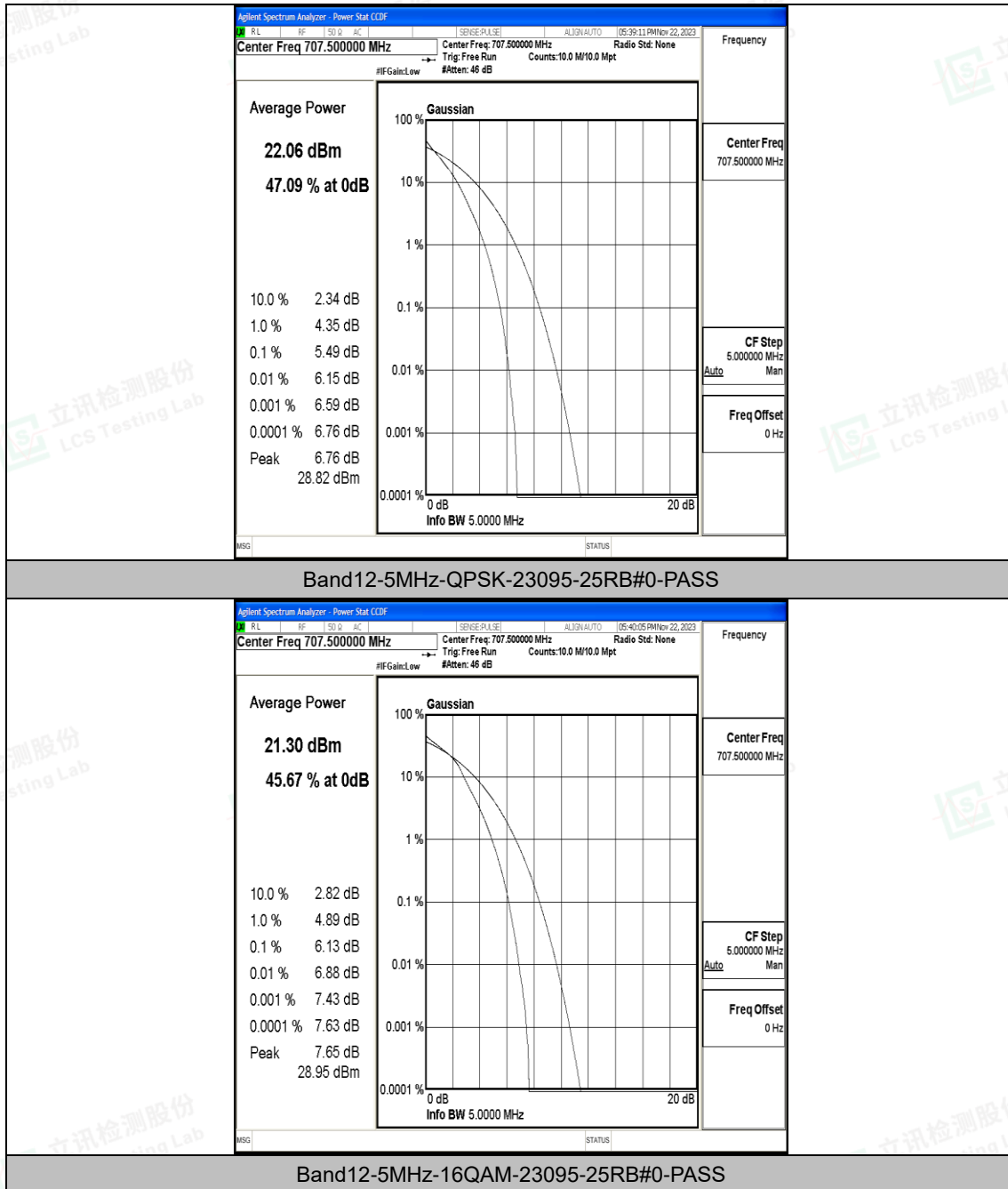


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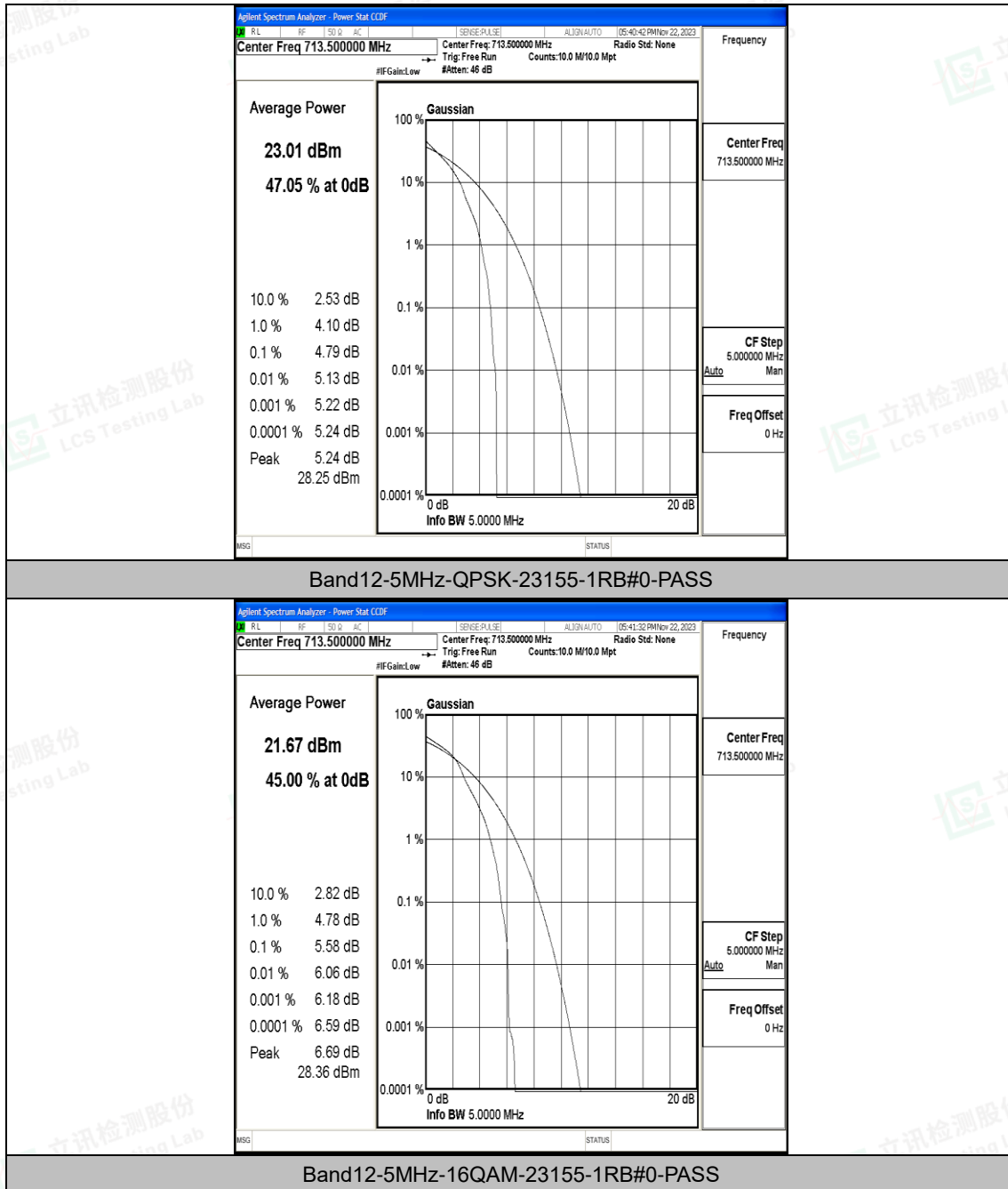


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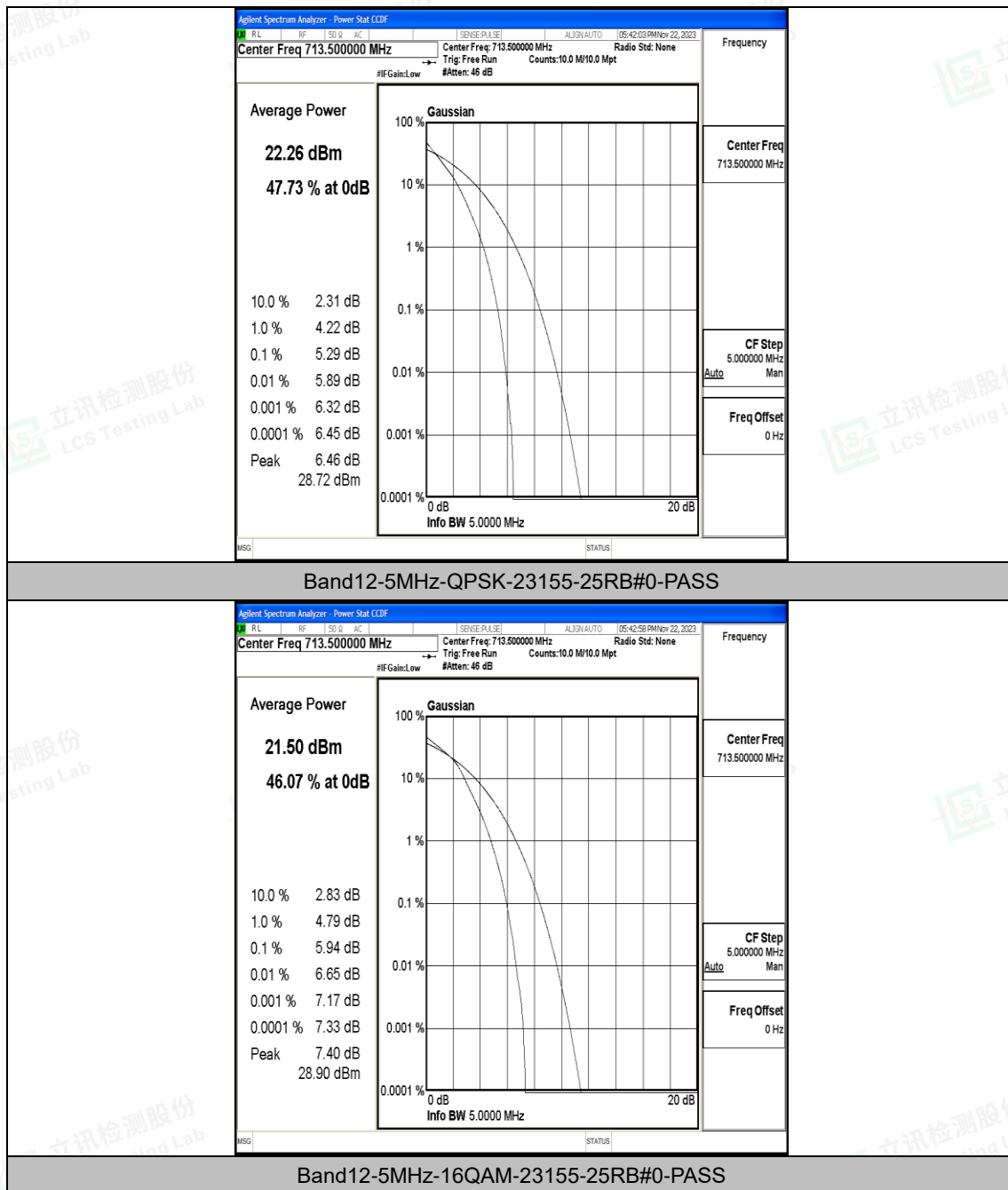


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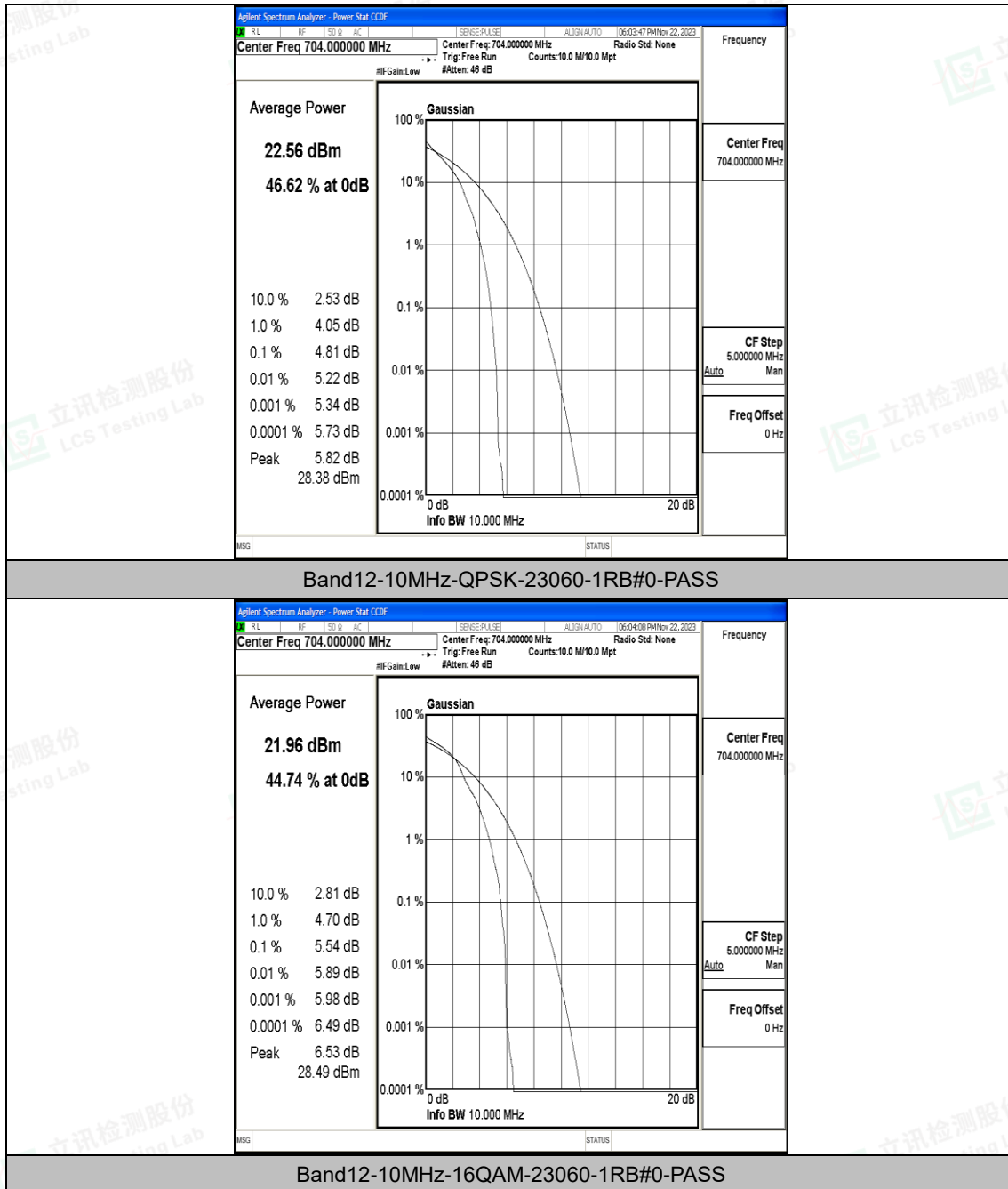


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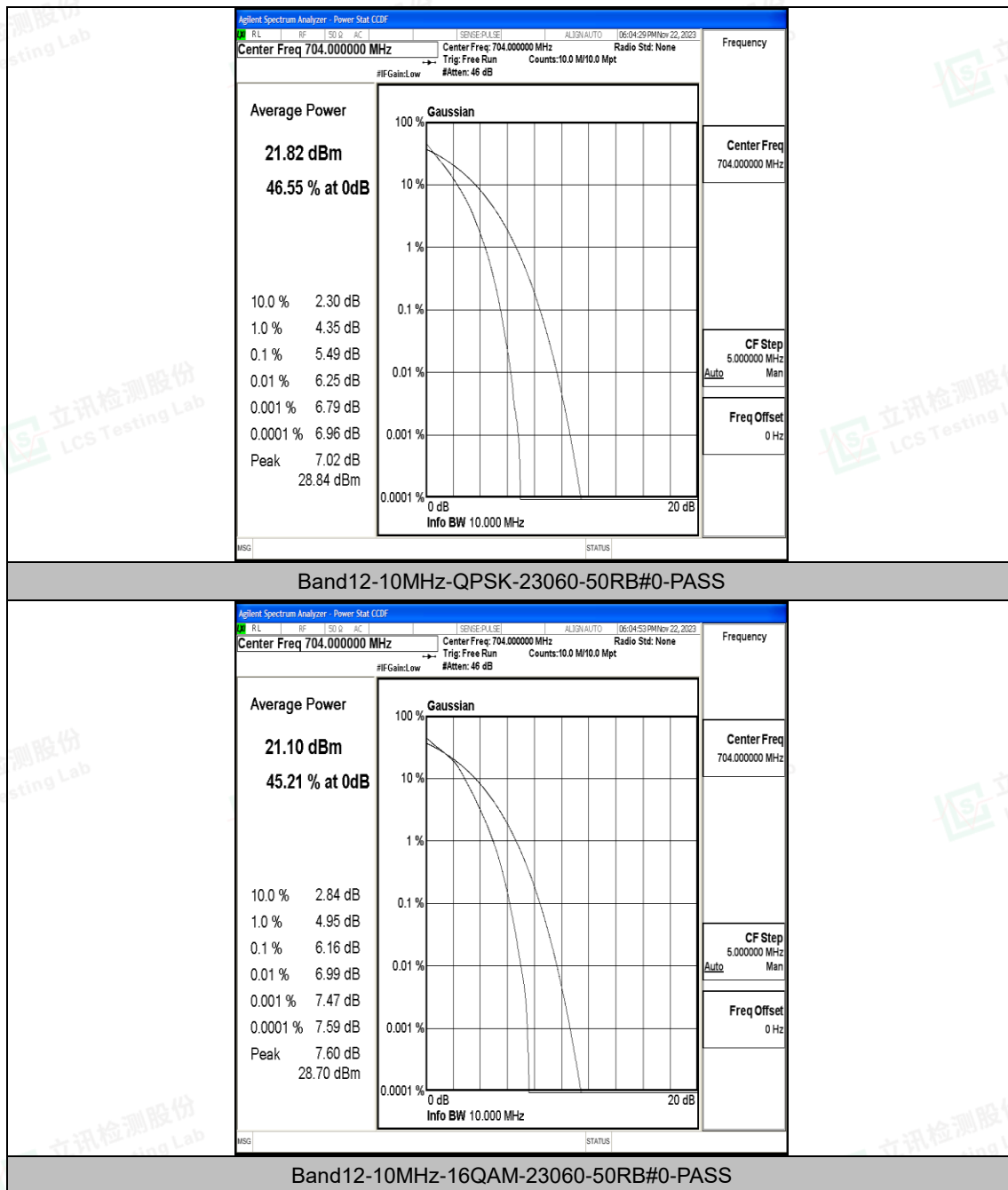


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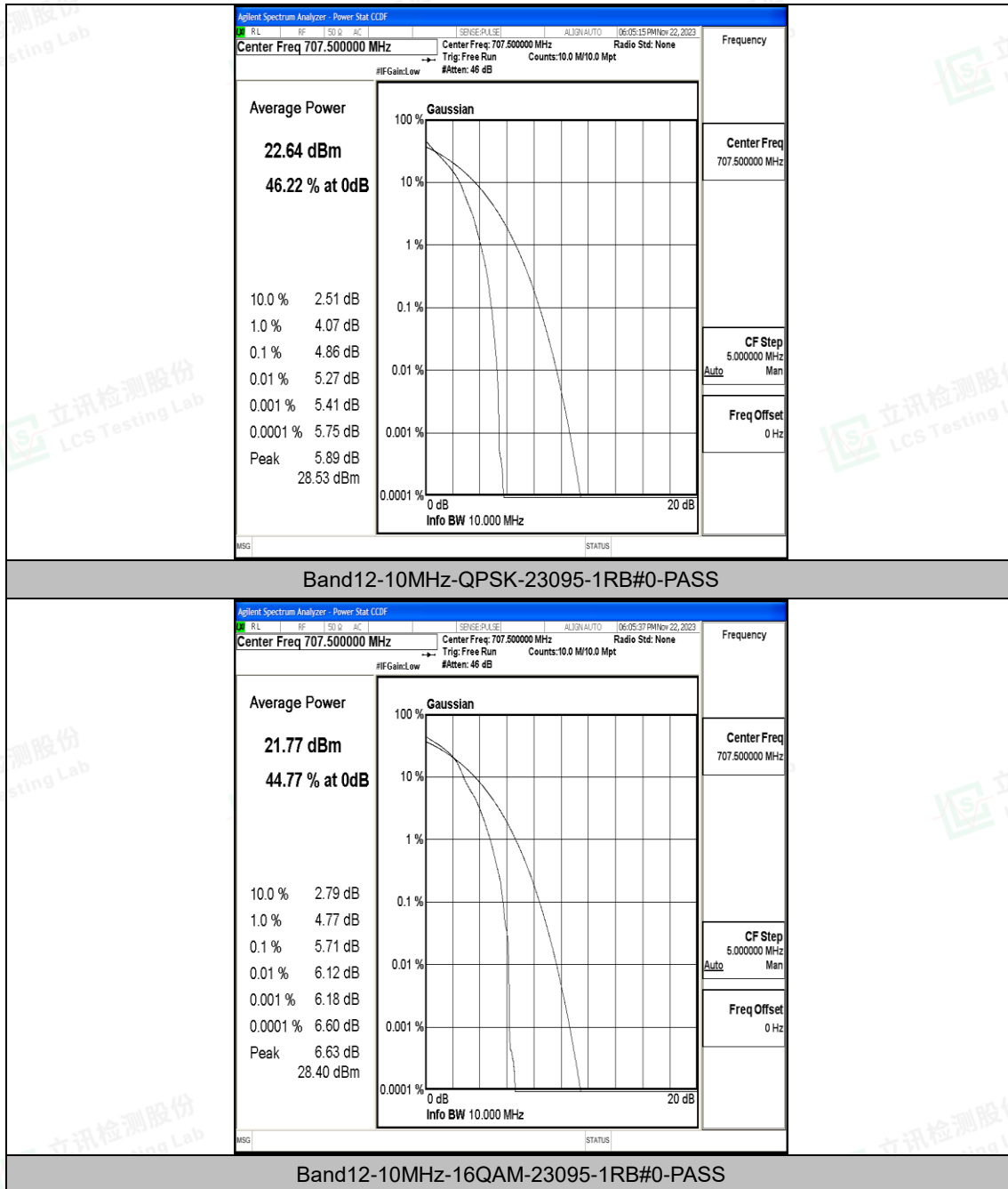


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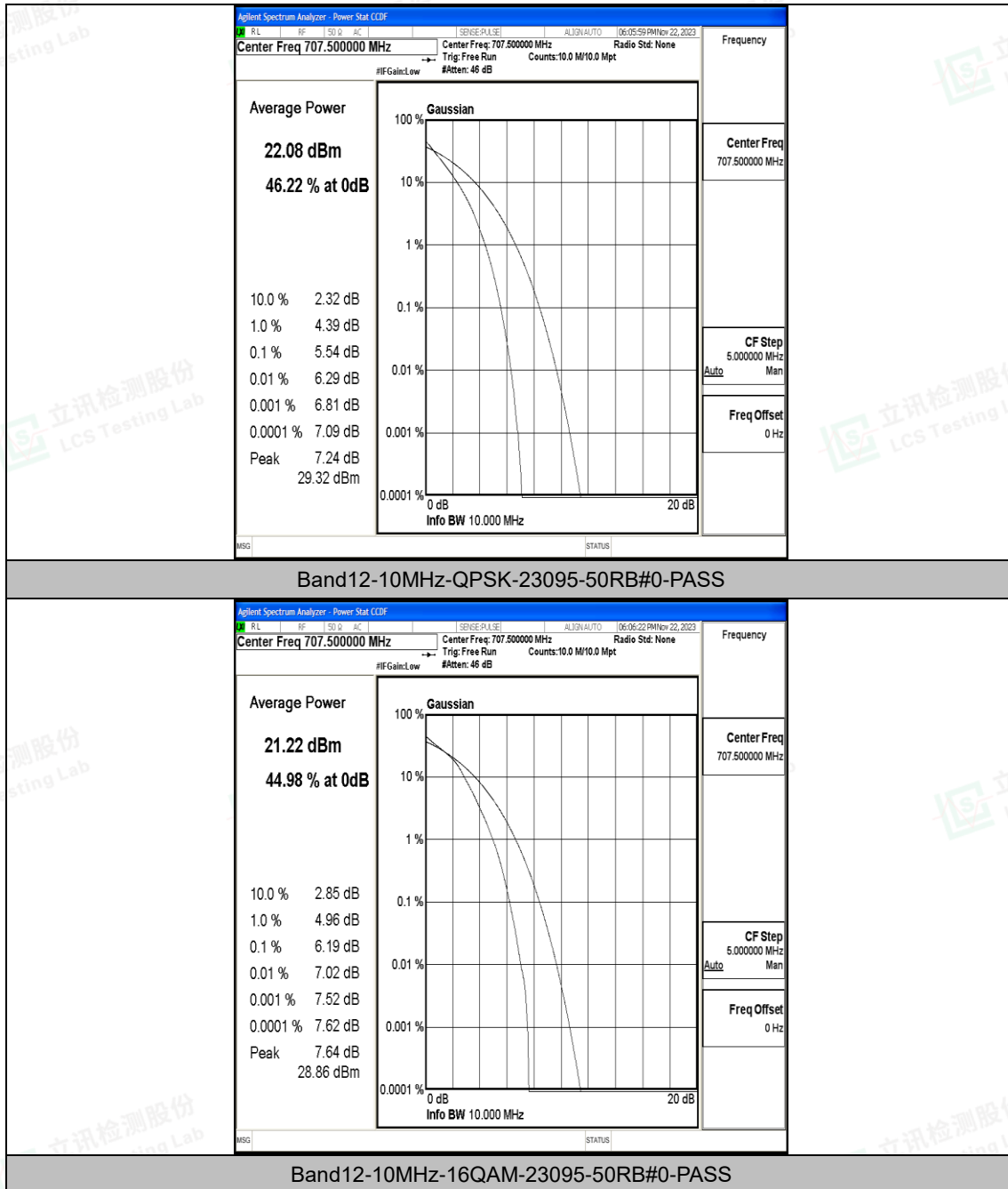


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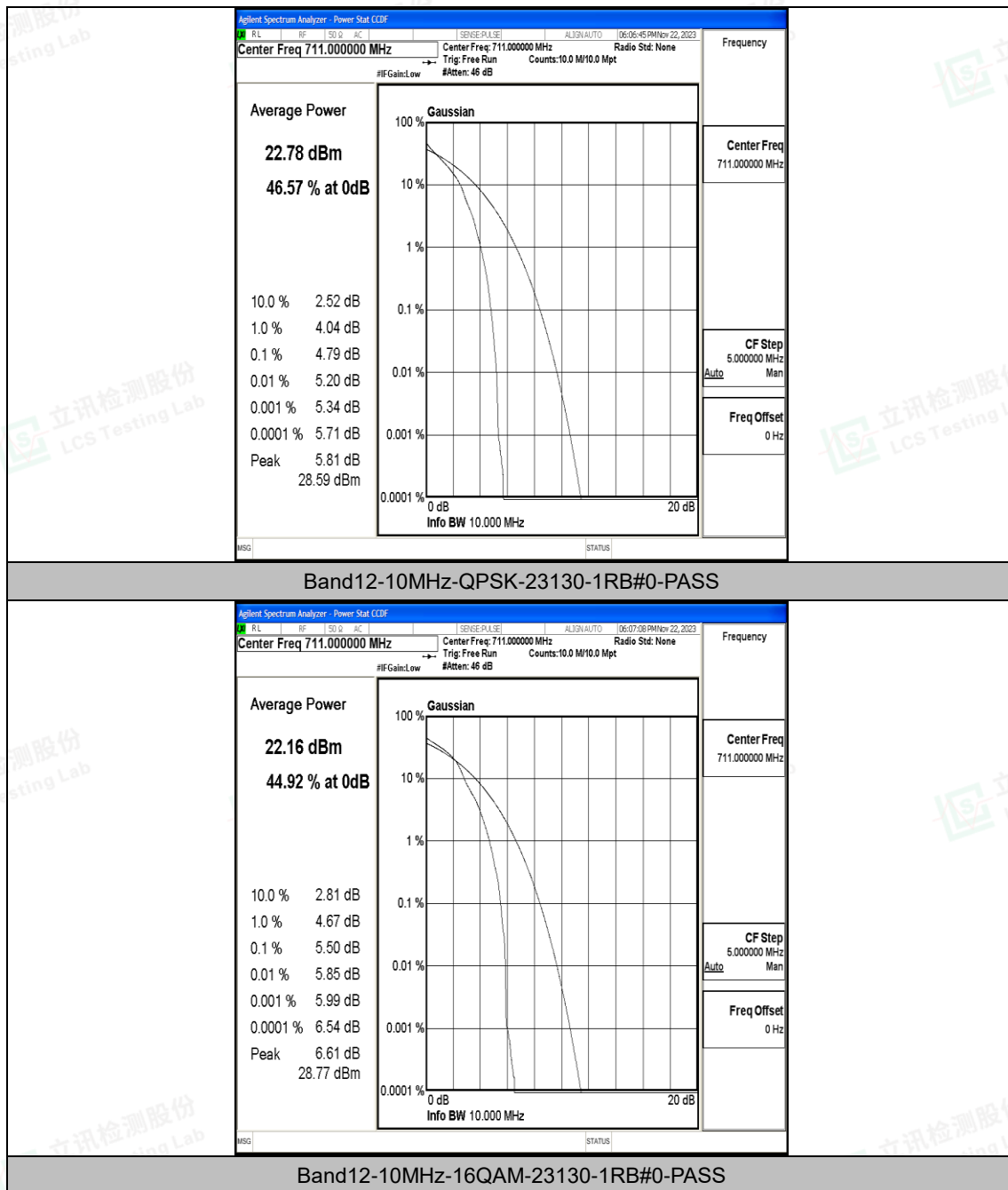


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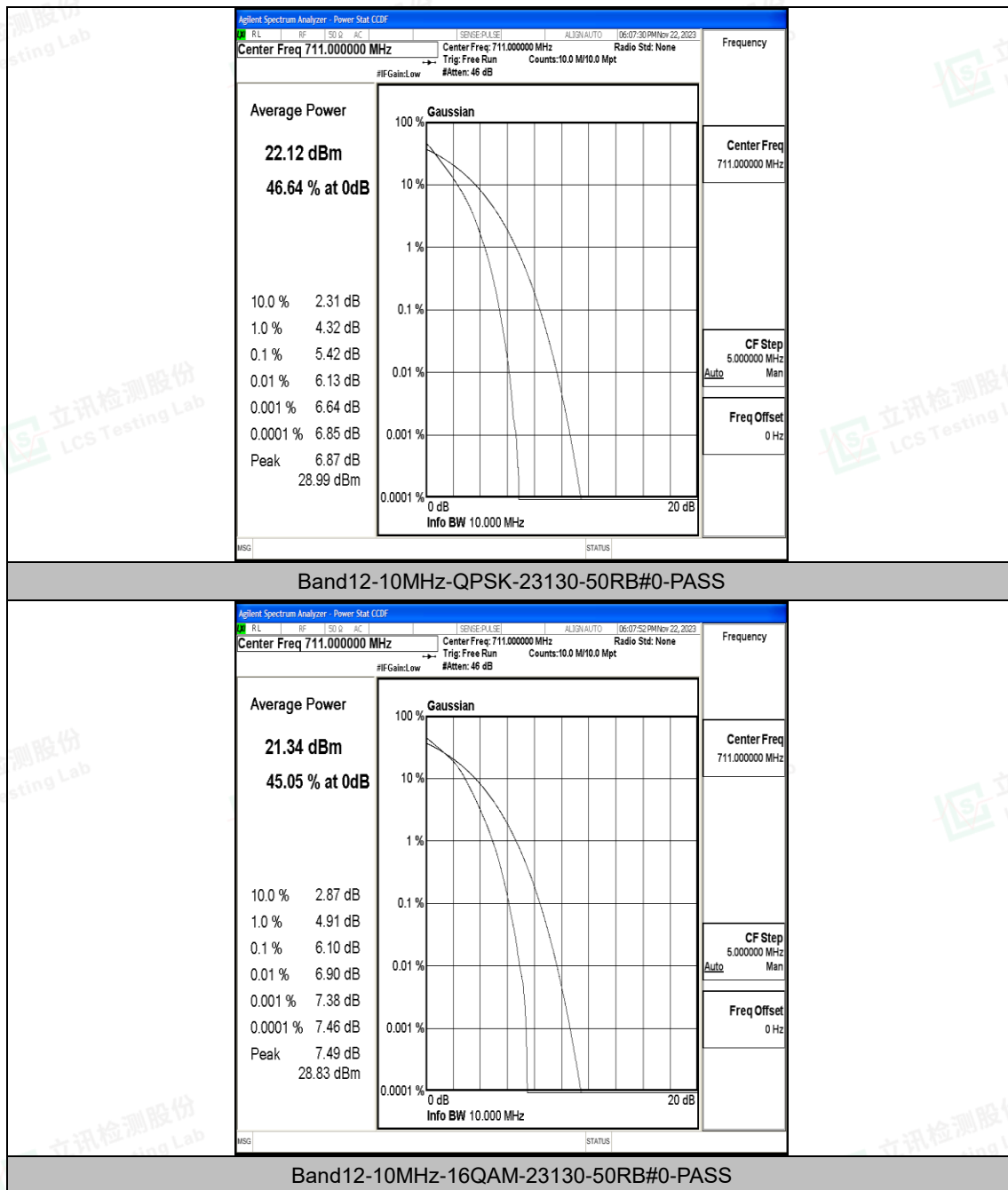


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## Appendix J.3: 26dB Bandwidth and Occupied Bandwidth

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band12 | 1.4MHz    | 16QAM      | 23173   | 6RB#0            | 1.1046                   | 1.357                | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 15RB#0           | 2.7190                   | 3.113                | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 15RB#0           | 2.6957                   | 3.097                | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 25RB#0           | 4.5214                   | 5.301                | PASS    |
| Band12 | 5MHz      | QPSK       | 23095   | 25RB#0           | 4.5320                   | 5.342                | PASS    |
| Band12 | 5MHz      | 16QAM      | 23095   | 25RB#0           | 4.5291                   | 5.359                | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 25RB#0           | 4.5187                   | 5.298                | PASS    |
| Band12 | 5MHz      | 16QAM      | 23155   | 25RB#0           | 4.5169                   | 5.266                | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0           | 8.9871                   | 10.03                | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 50RB#0           | 8.9949                   | 10.15                | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0           | 8.9985                   | 10.02                | PASS    |
| Band12 | 10MHz     | 16QAM      | 23095   | 50RB#0           | 9.0050                   | 10.10                | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0           | 9.0019                   | 10.07                | PASS    |
| Band12 | 10MHz     | 16QAM      | 23130   | 50RB#0           | 8.9972                   | 10.18                | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | 1.0959                   | 1.281                | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | 1.0979                   | 1.284                | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 6RB#0            | 1.0940                   | 1.285                | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 6RB#0            | 1.1059                   | 1.308                | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 6RB#0            | 1.0971                   | 1.295                | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 15RB#0           | 2.7240                   | 3.096                | PASS    |
| Band12 | 3MHz      | 16QAM      | 23095   | 15RB#0           | 2.7091                   | 3.097                | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 15RB#0           | 2.7098                   | 3.224                | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 15RB#0           | 2.6974                   | 3.042                | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 25RB#0           | 4.5147                   | 5.299                | PASS    |



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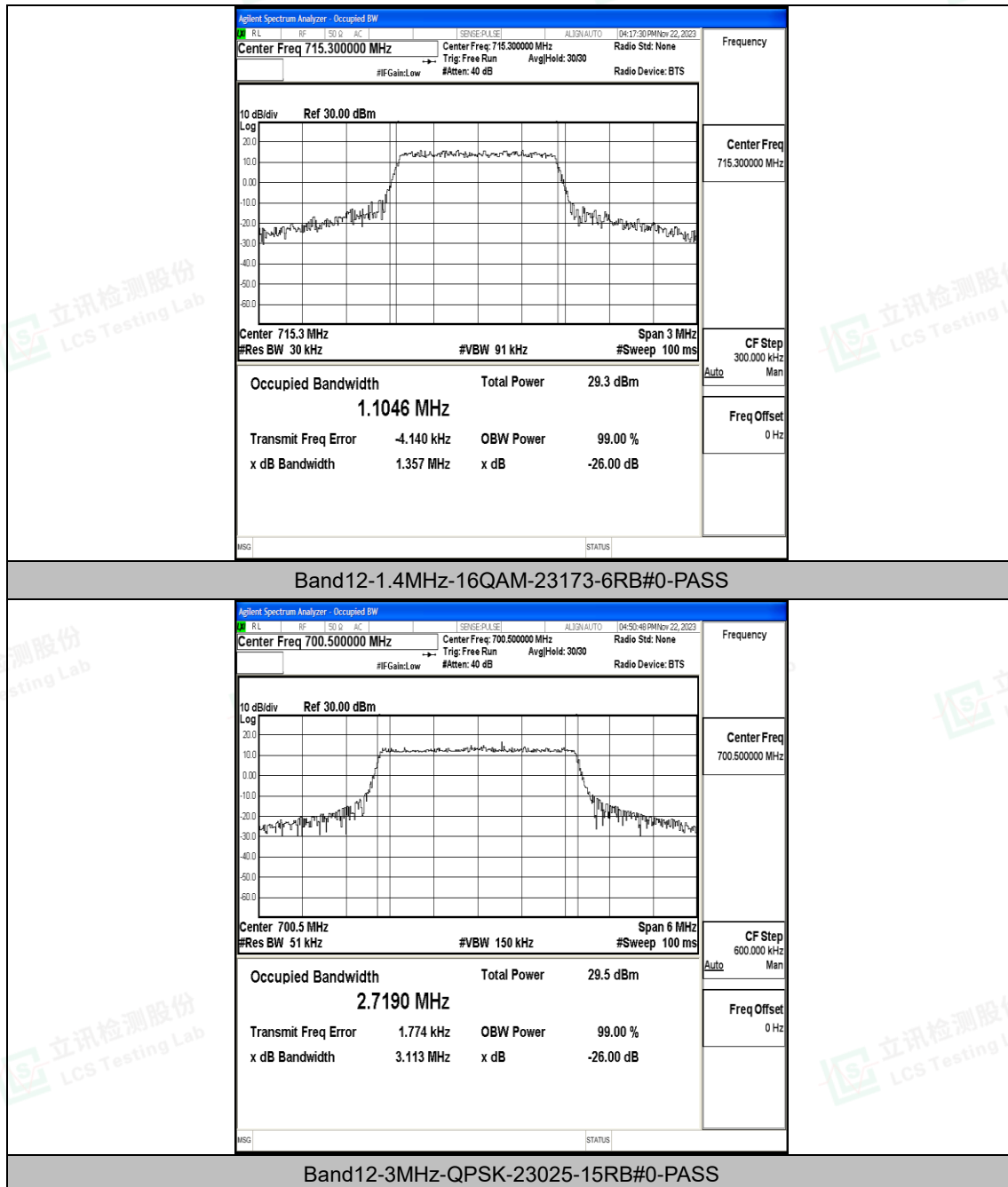
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## Test Graphs

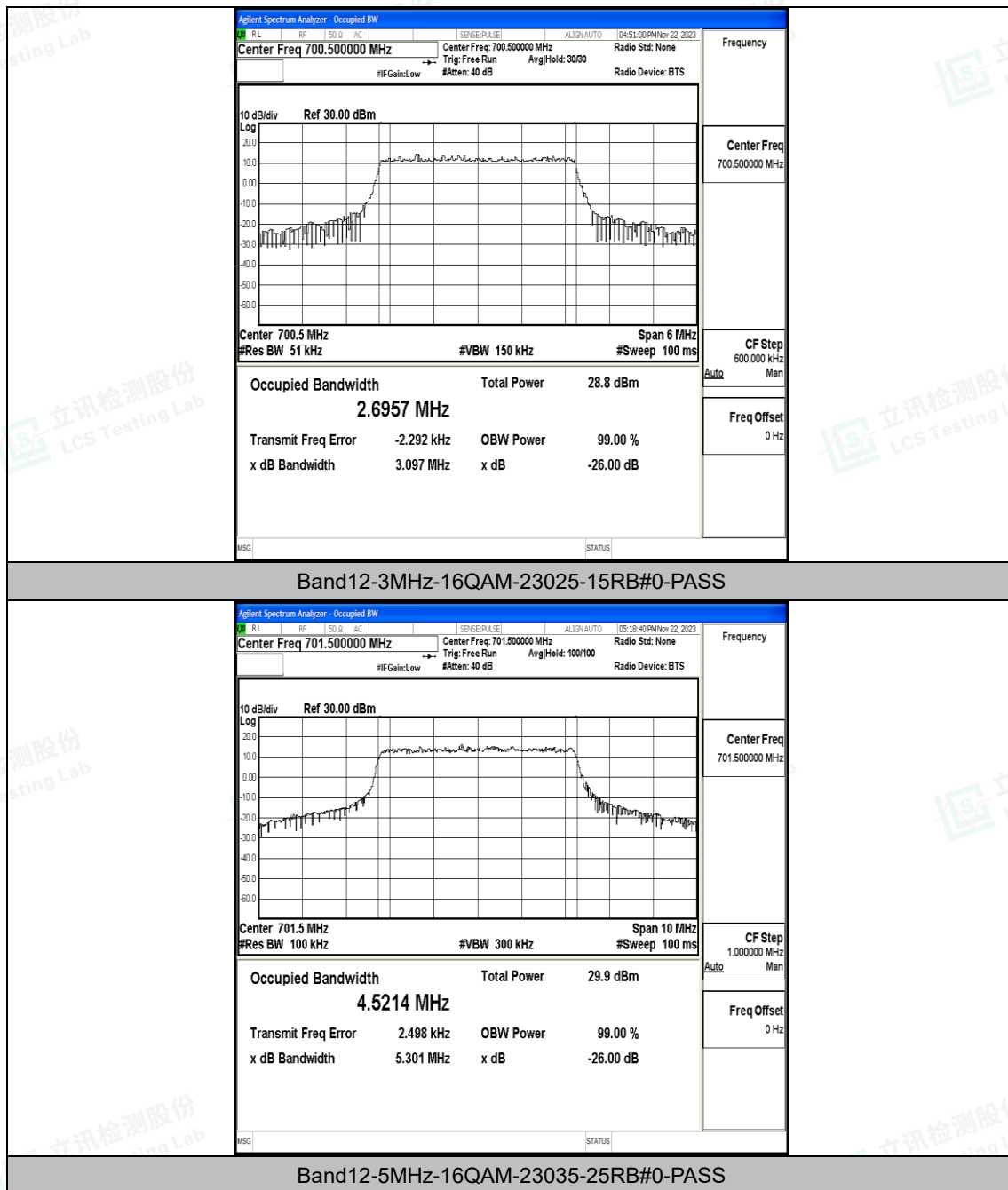


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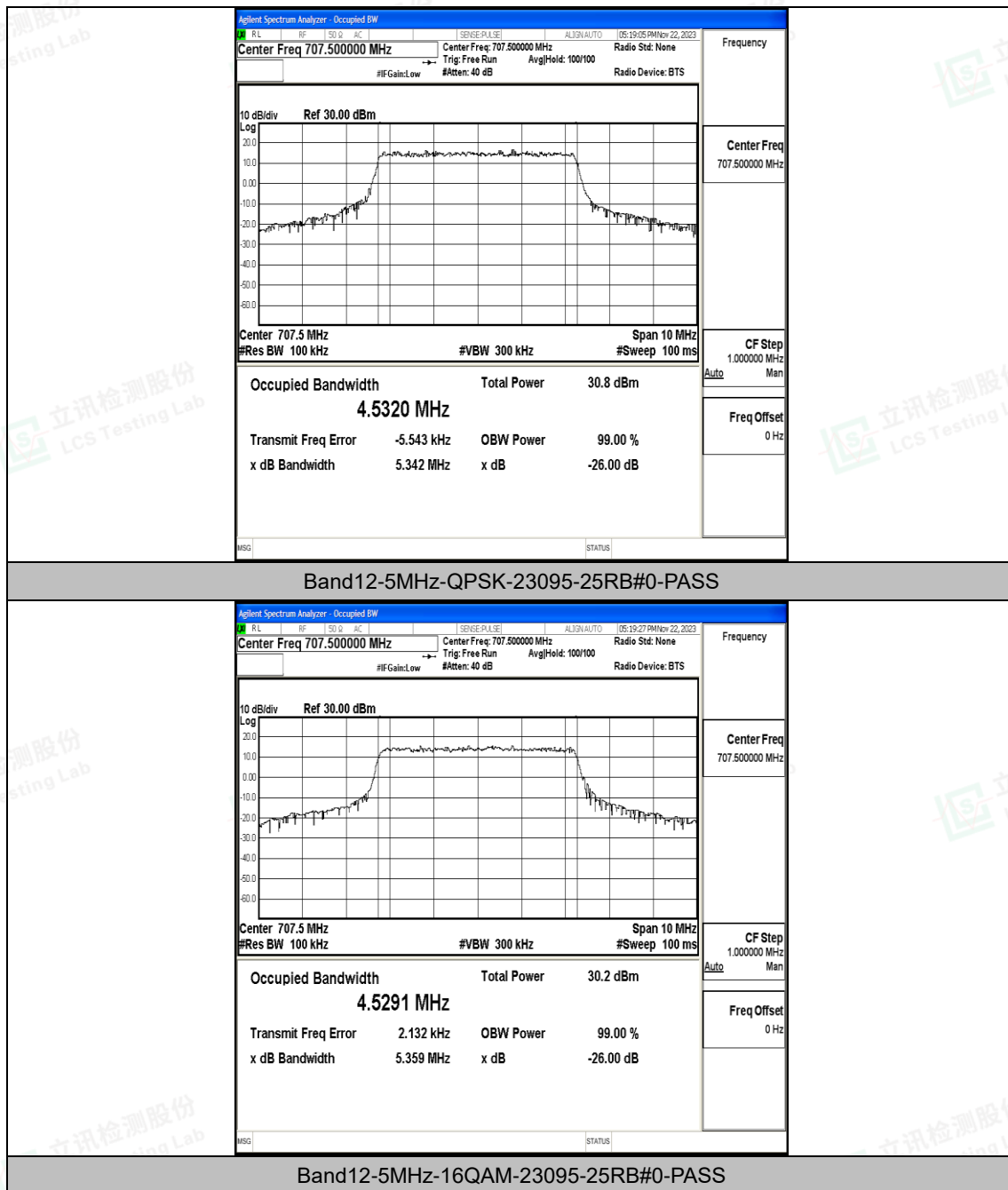


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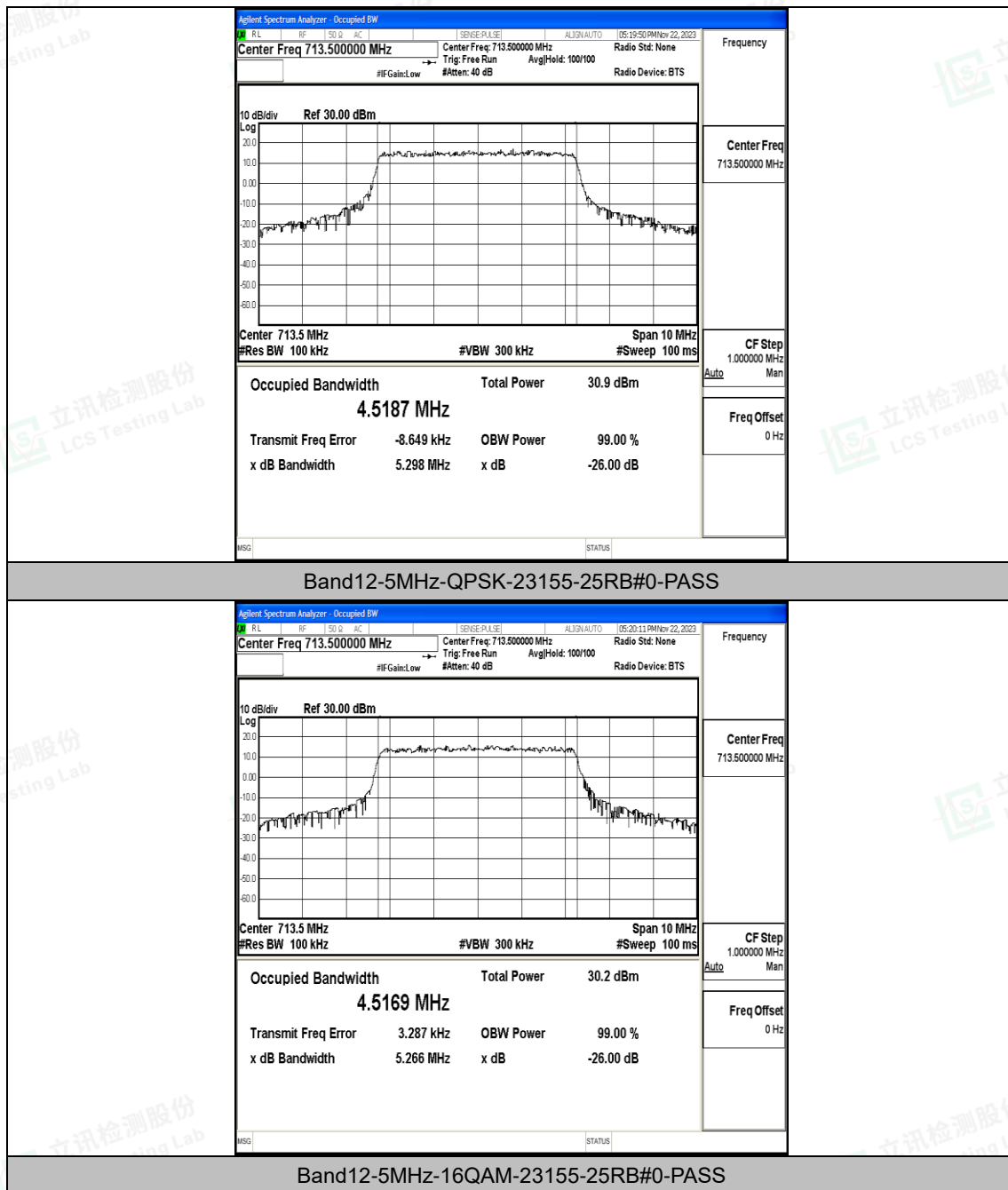


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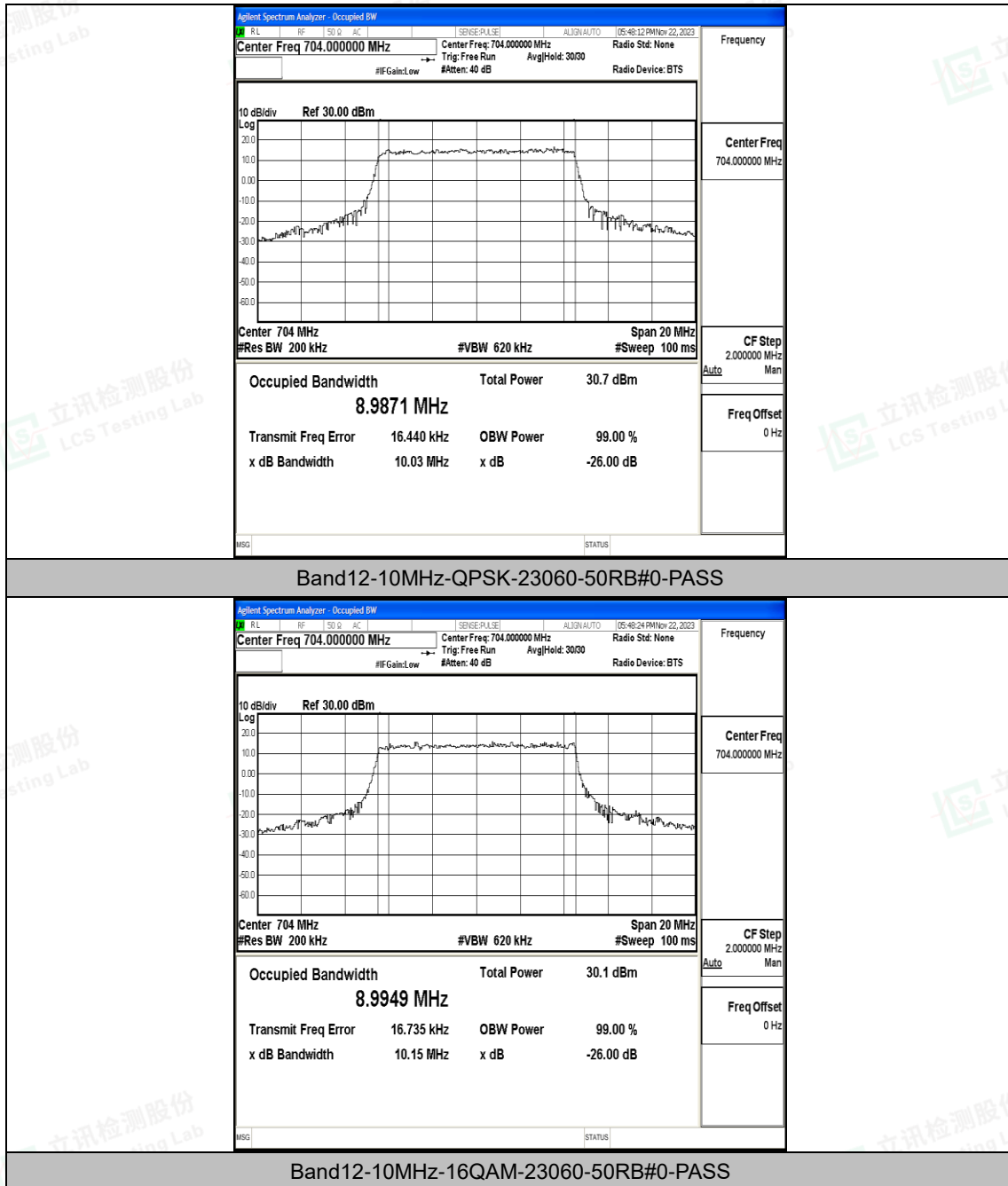


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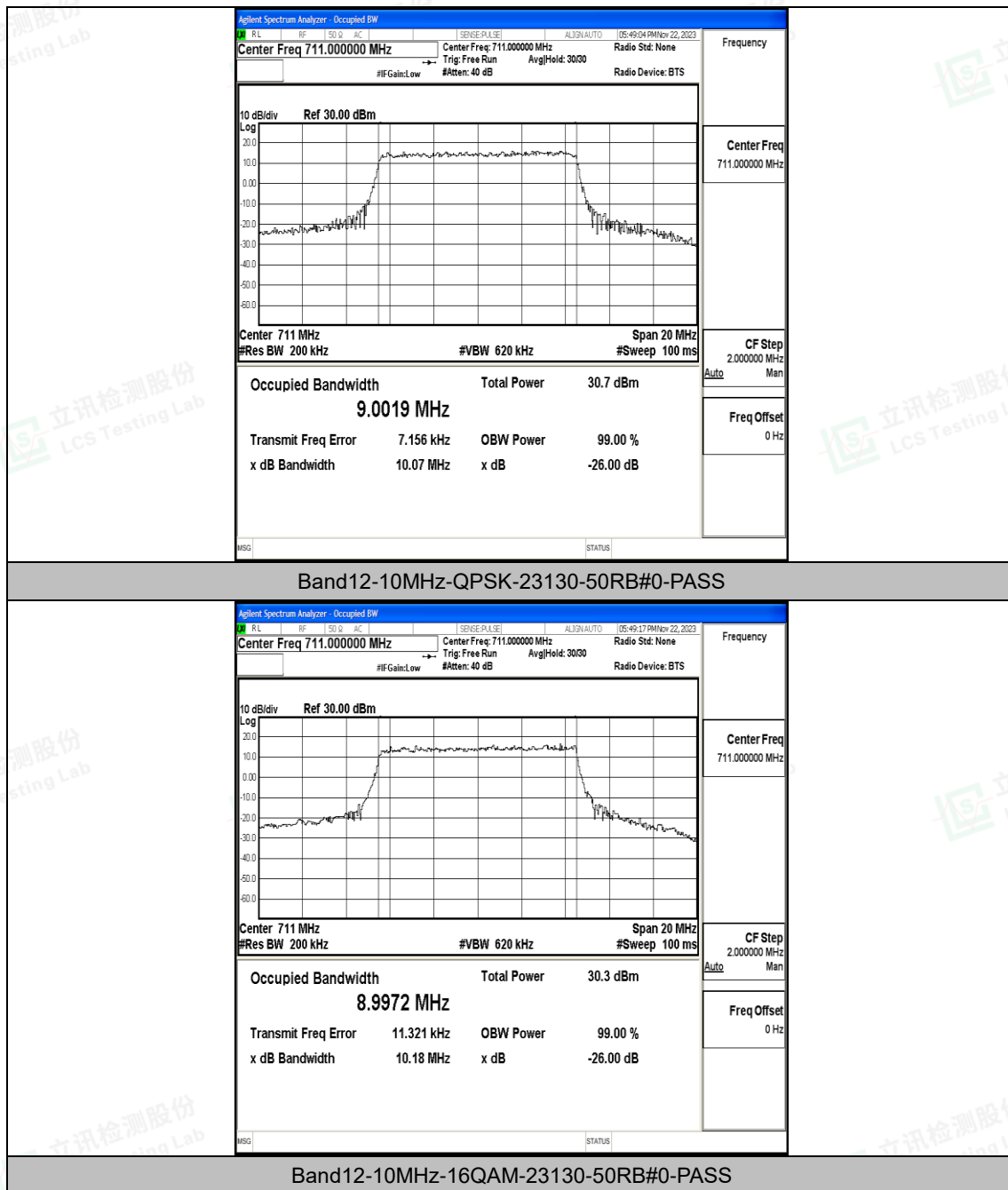


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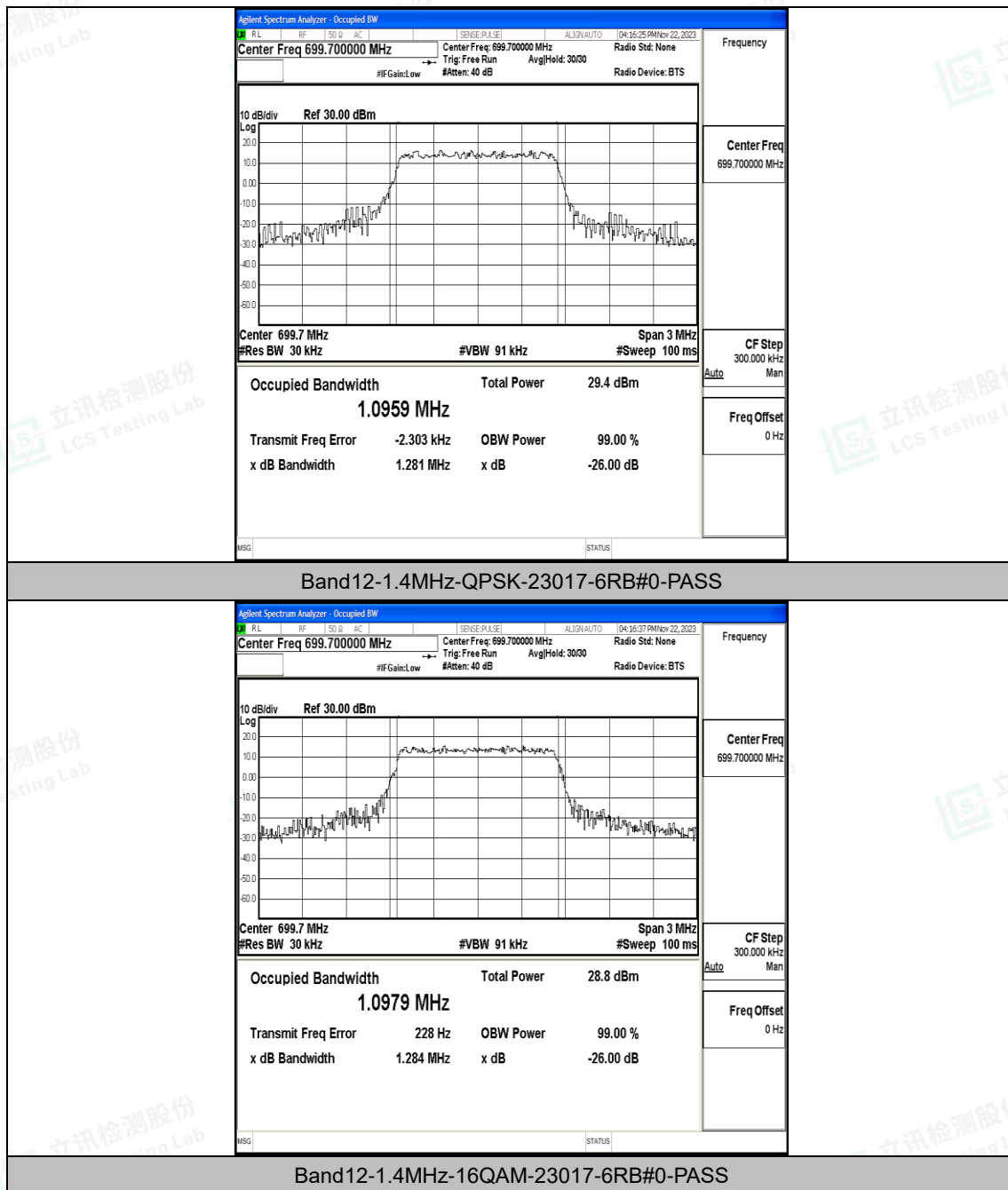


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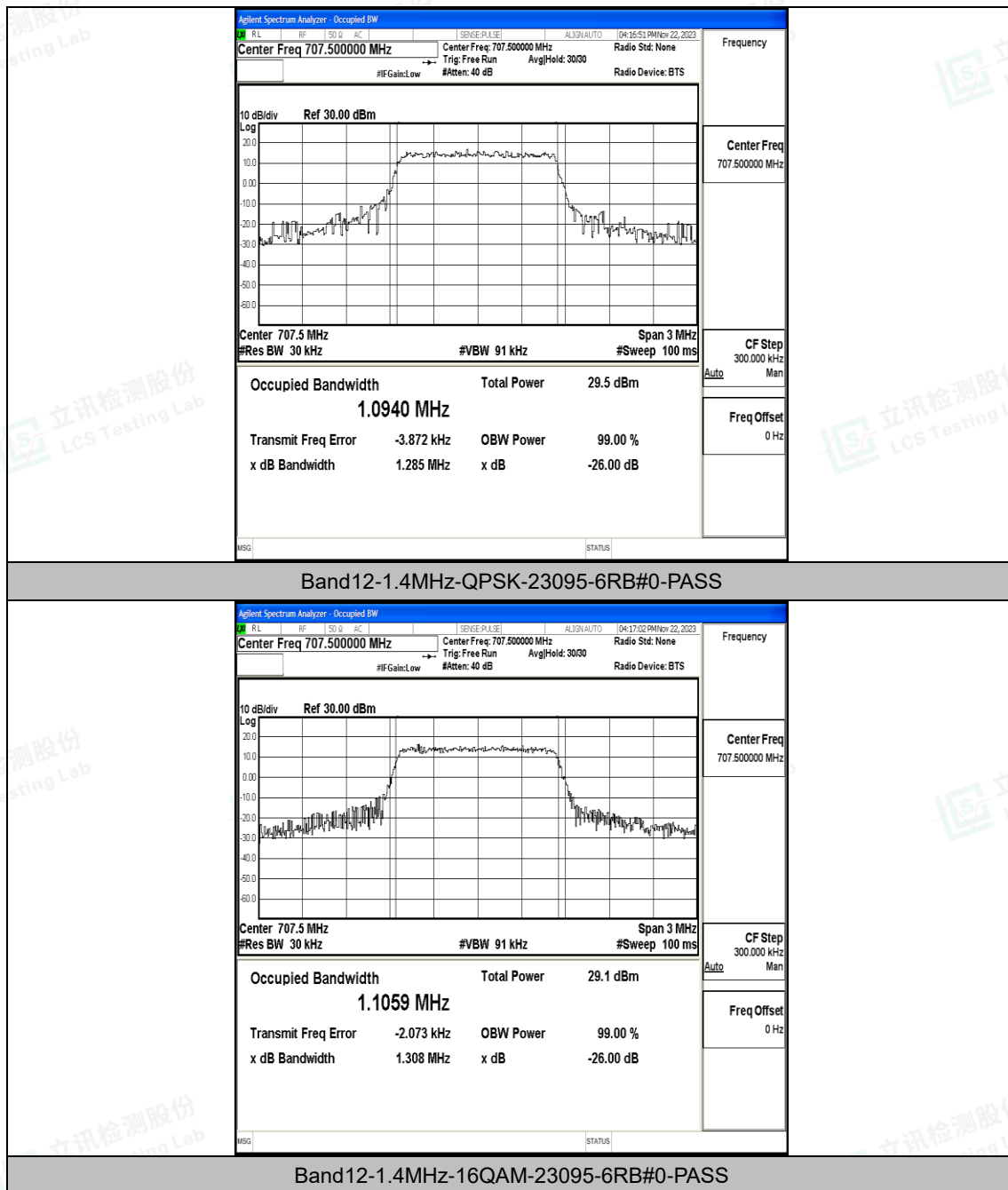


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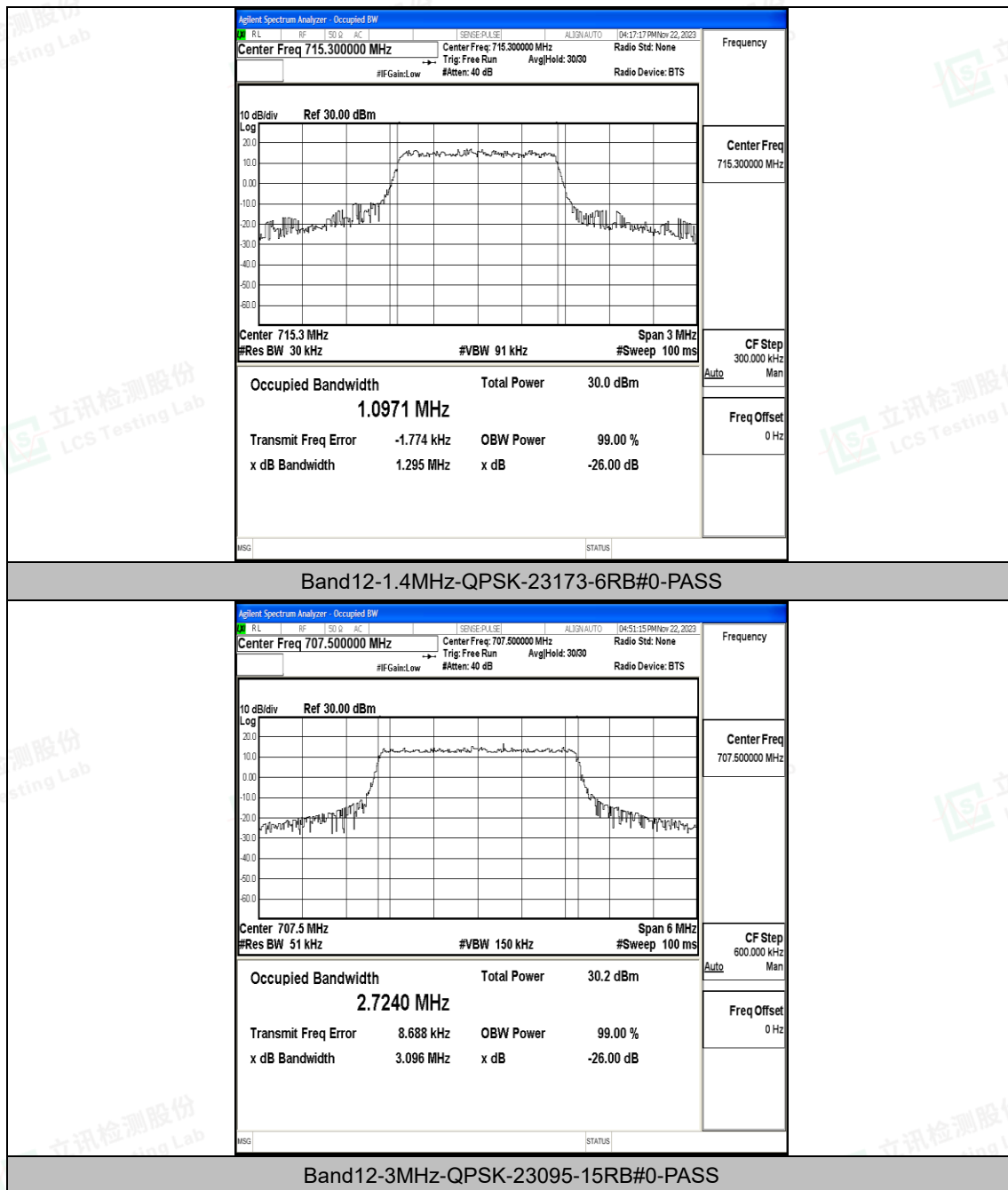


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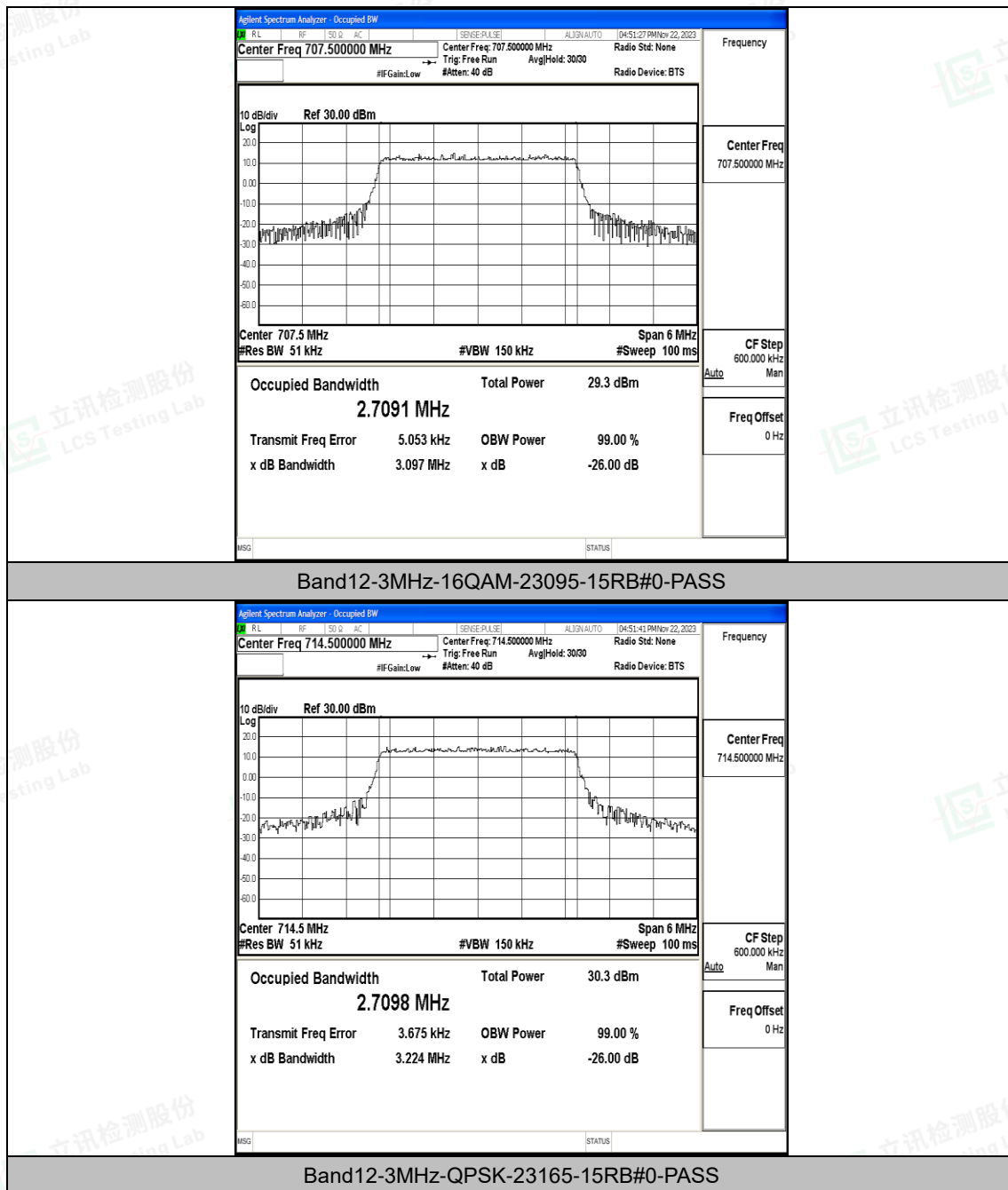


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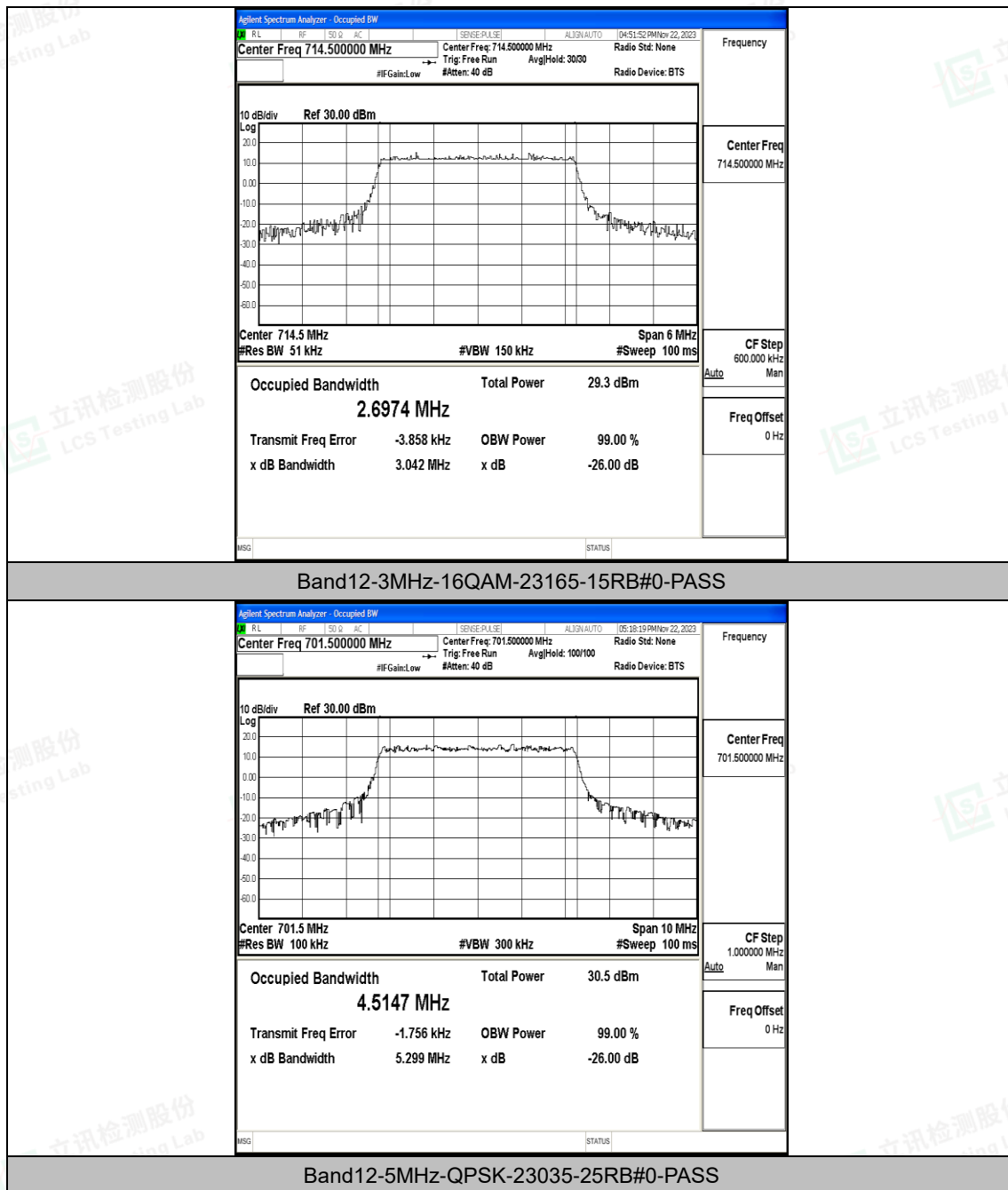


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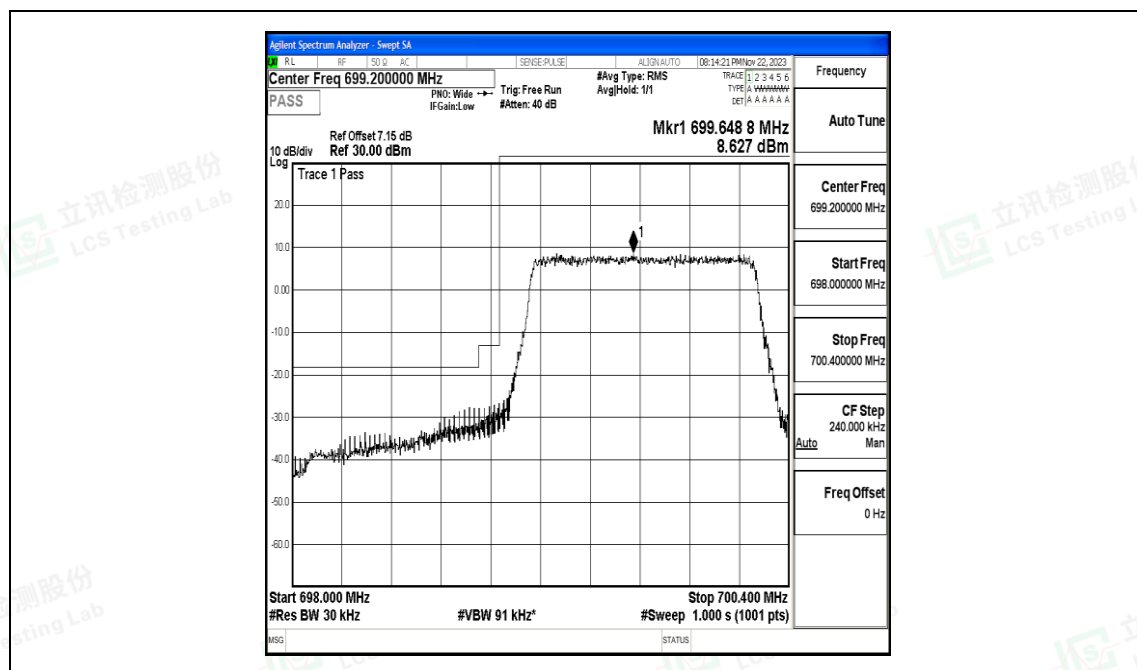


## Appendix J.4: Band Edge

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Peak Frequency | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|----------------|-------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | 698.86         | -27.72      | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | 698.85         | -30.03      | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 6RB#0            | 716.12         | -26.84      | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 6RB#0            | 716.12         | -28.06      | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 15RB#0           | 699.00         | -24.72      | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 15RB#0           | 699.00         | -24.89      | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 15RB#0           | 716.01         | -23.54      | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 15RB#0           | 716.00         | -24.69      | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 25RB#0           | 698.85         | -34.94      | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 25RB#0           | 698.85         | -35.63      | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 25RB#0           | 716.12         | -35.29      | PASS    |
| Band12 | 5MHz      | 16QAM      | 23155   | 25RB#0           | 716.11         | -33.16      | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0           | 698.89         | -39.67      | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 50RB#0           | 698.39         | -40.63      | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0           | 716.13         | -40.65      | PASS    |
| Band12 | 10MHz     | 16QAM      | 23130   | 50RB#0           | 716.32         | -40.83      | PASS    |

### Test Graphs

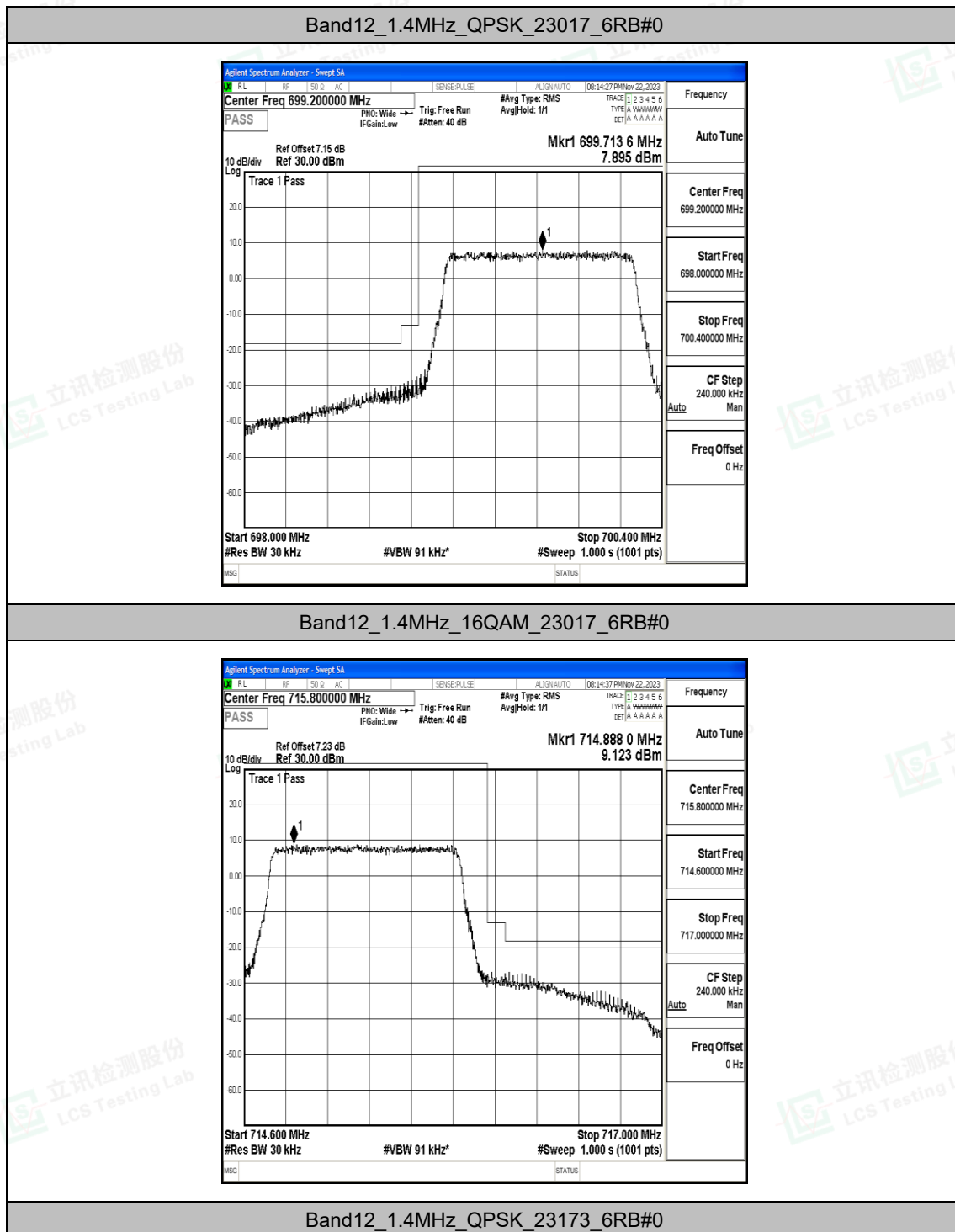


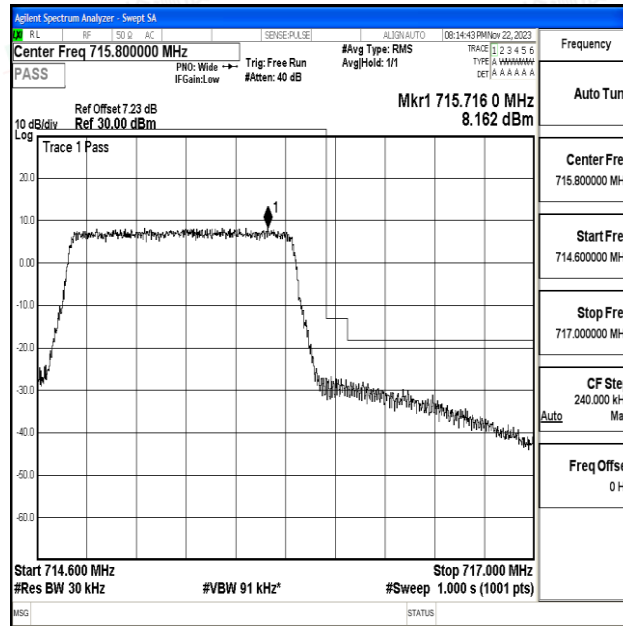
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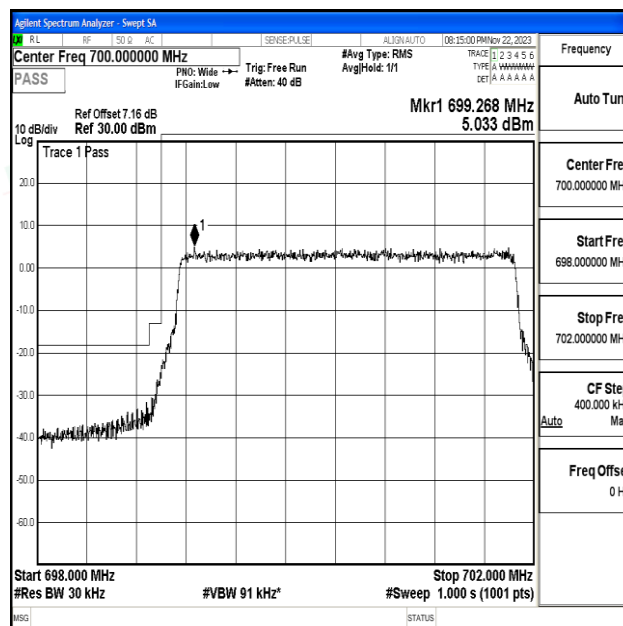
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Band12\_1.4MHz\_16QAM\_23173\_6RB#0



Band12\_3MHz\_QPSK\_23025\_15RB#0

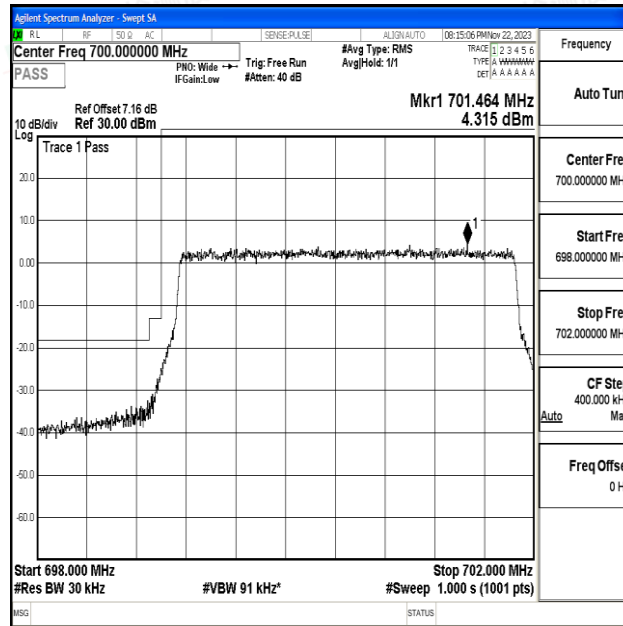


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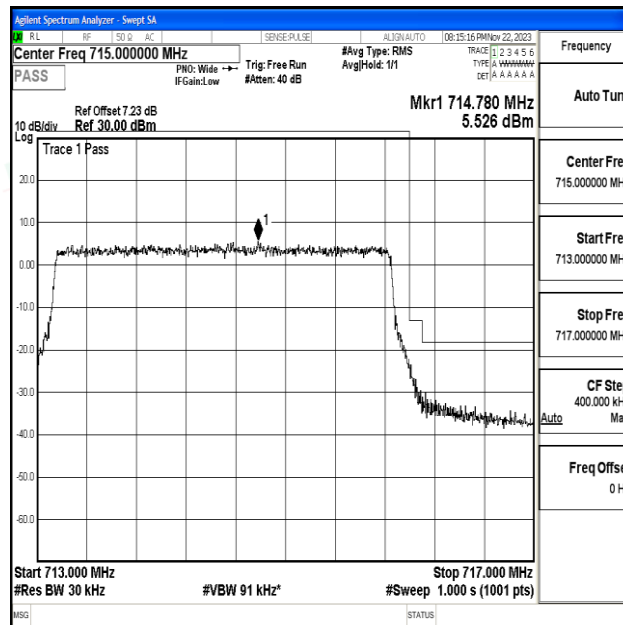
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Band12\_3MHz\_16QAM\_23025\_15RB#0



Band12\_3MHz\_QPSK\_23165\_15RB#0

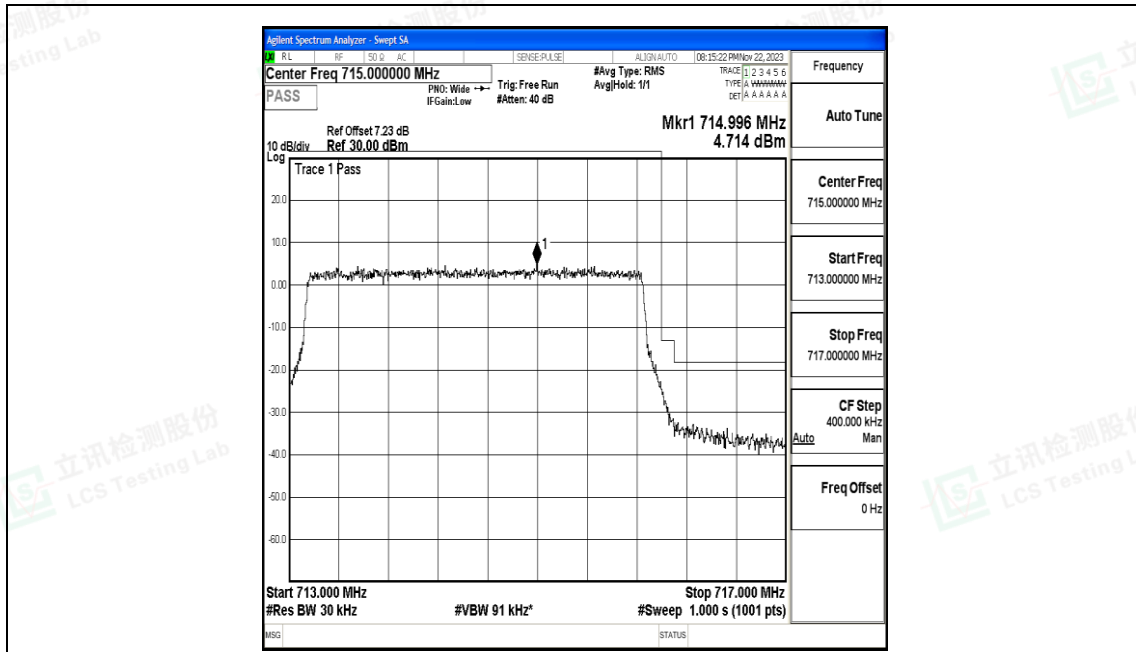


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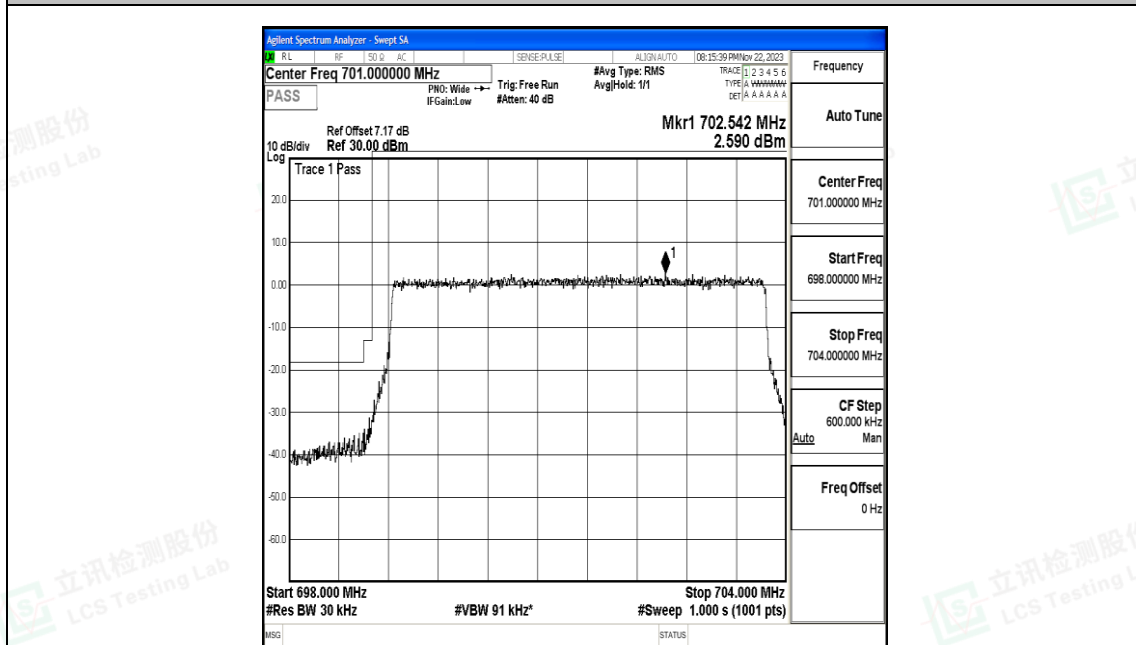
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Band12\_3MHz\_16QAM\_23165\_15RB#0



Band12\_5MHz\_QPSK\_23035\_25RB#0

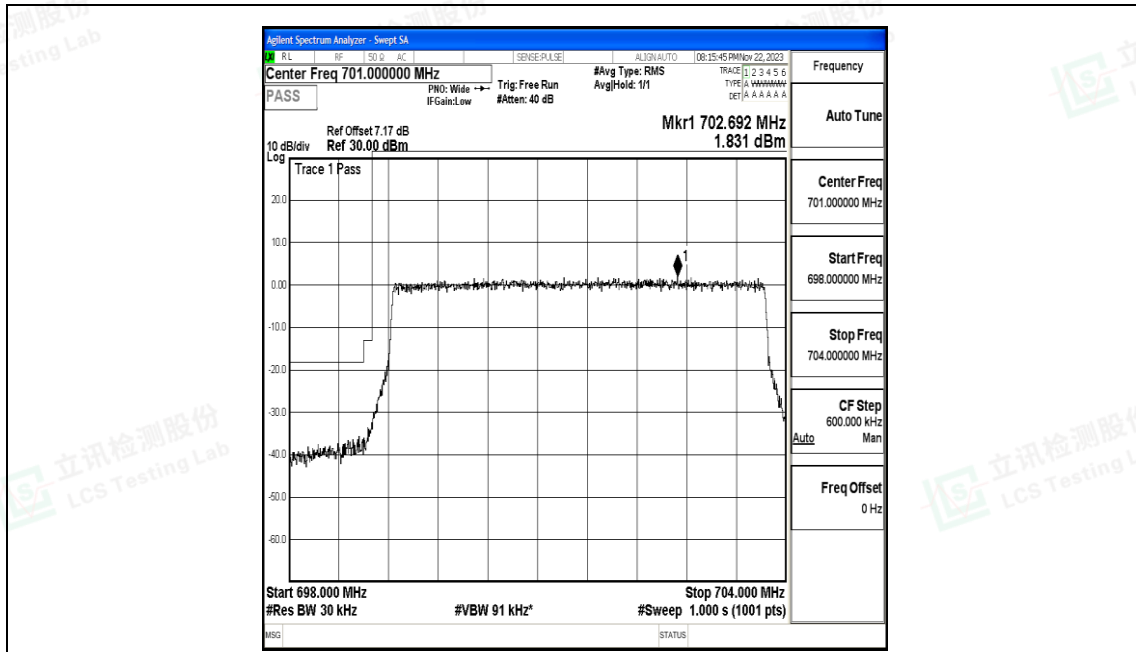


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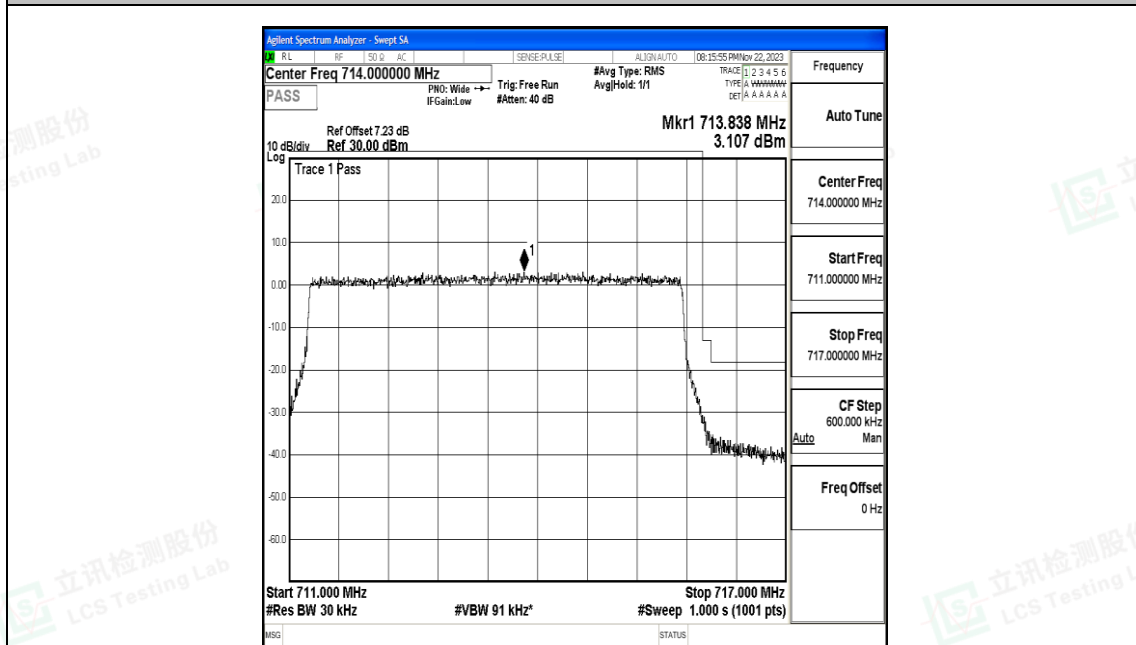
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Band12\_5MHz\_16QAM\_23035\_25RB#0



Band12\_5MHz\_QPSK\_23155\_25RB#0

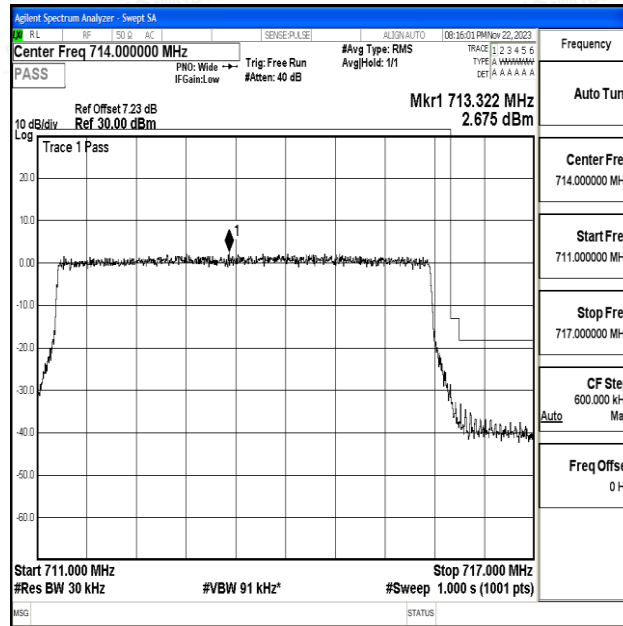


Shenzhen LCS Compliance Testing Laboratory Ltd.

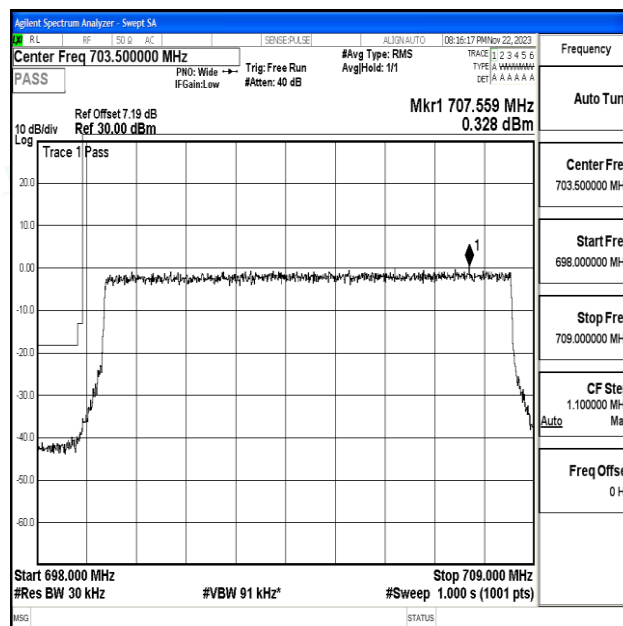
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Band12\_5MHz\_16QAM\_23155\_25RB#0



Band12\_10MHz\_QPSK\_23060\_50RB#0

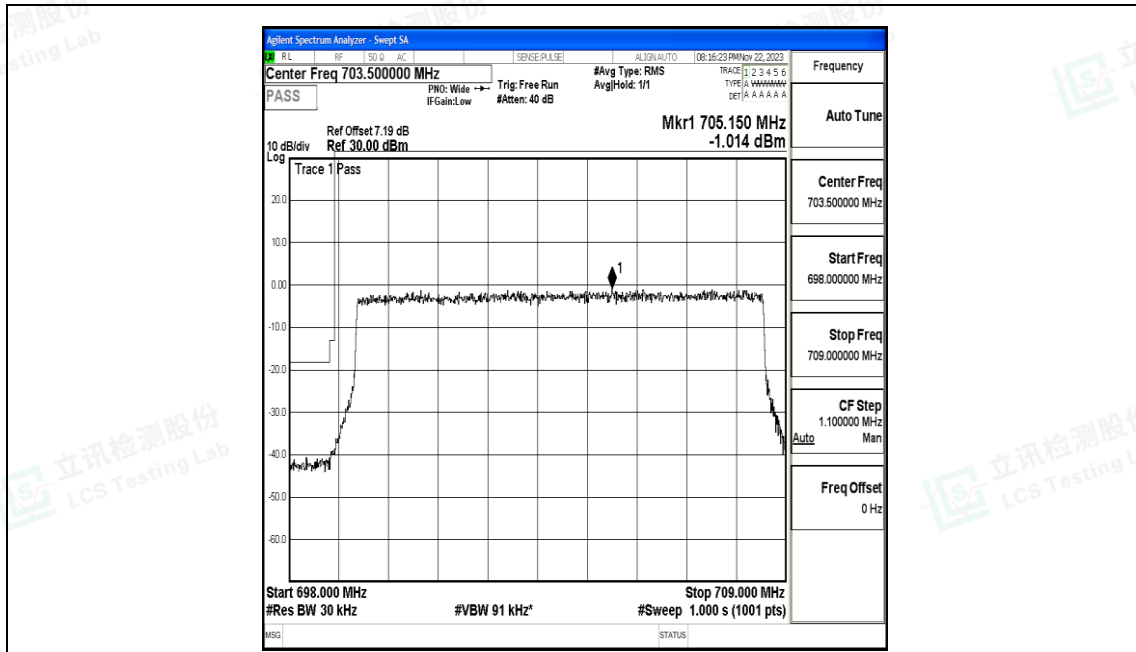


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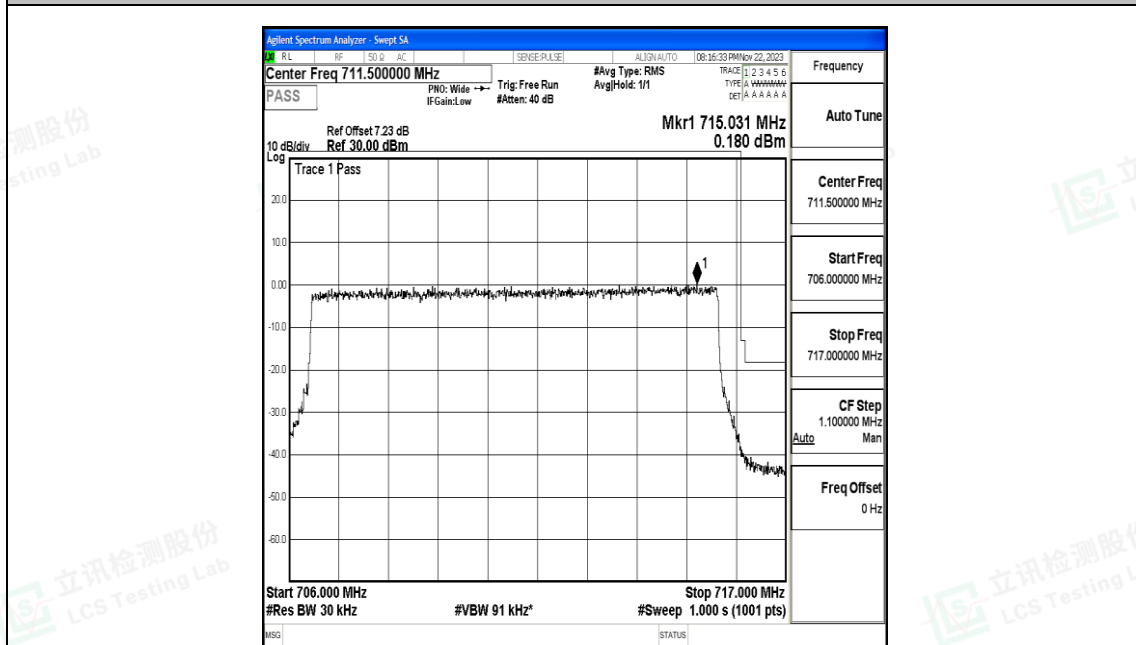
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Band12\_10MHz\_16QAM\_23060\_50RB#0



Band12\_10MHz\_QPSK\_23130\_50RB#0

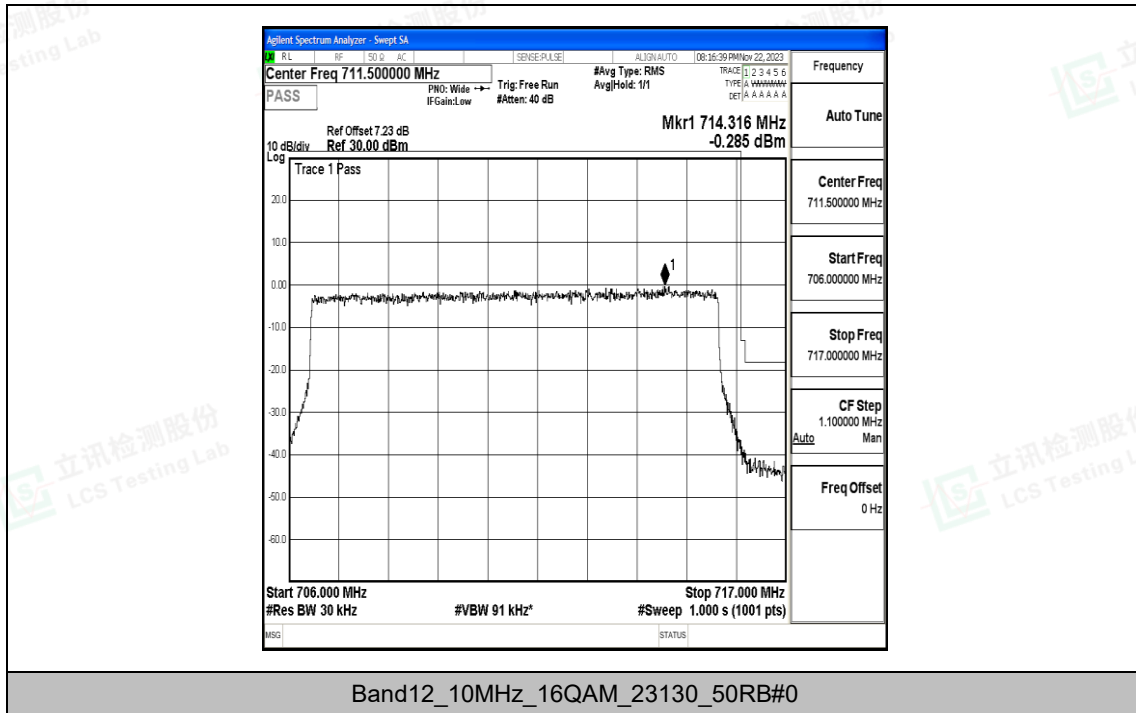


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## Appendix J.5: Conducted Spurious Emission

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range | Result (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-----------------|--------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 0.009~0.15      | -55.38       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 0.15~30         | -51.34       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 30~1000         | -46.01       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 1000~3000       | -42.43       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 3000~10000      | -44.59       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 0.009~0.15      | -55.37       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 0.15~30         | -51.45       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 30~1000         | -46.54       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 1000~3000       | -44.03       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 3000~10000      | -44.35       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 0.009~0.15      | -56.85       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 0.15~30         | -52.97       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 30~1000         | -46.86       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 1000~3000       | -42.95       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 0.15~30         | -51.56       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 30~1000         | -47.31       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 1000~3000       | -42.91       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 3000~10000      | -44.61       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 0.009~0.15      | -57.18       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 0.15~30         | -54.20       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 30~1000         | -47.42       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 3000~10000      | -44.45       | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 0.009~0.15      | -57.77       | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 0.15~30         | -52.86       | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 30~1000         | -50.74       | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 1000~3000       | -44.07       | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 3000~10000      | -44.21       | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 1RB#0            | 0.009~0.15      | -58.12       | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 1RB#0            | 0.15~30         | -51.70       | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 1RB#0            | 30~1000         | -47.56       | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 1RB#0            | 1000~3000       | -43.65       | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 1RB#0            | 3000~10000      | -44.31       | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 1RB#0            | 0.009~0.15      | -57.99       | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 1RB#0            | 0.15~30         | -52.36       | PASS    |



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|        |      |       |       |       |            |        |      |
|--------|------|-------|-------|-------|------------|--------|------|
| Band12 | 3MHz | QPSK  | 23095 | 1RB#0 | 30~1000    | -50.17 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 1RB#0 | 1000~3000  | -44.92 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 1RB#0 | 3000~10000 | -44.41 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 0.009~0.15 | -57.93 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 0.15~30    | -52.28 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 30~1000    | -49.56 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 1000~3000  | -46.04 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 3000~10000 | -44.62 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 0.009~0.15 | -56.21 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 0.15~30    | -52.22 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 30~1000    | -52.08 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 1000~3000  | -44.13 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 3000~10000 | -44.48 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 0.009~0.15 | -55.67 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 0.15~30    | -51.14 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 30~1000    | -53.67 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 1000~3000  | -45.27 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 3000~10000 | -44.26 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 0.009~0.15 | -59.24 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 0.15~30    | -54.71 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 30~1000    | -58.15 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 1000~3000  | -44.18 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 3000~10000 | -44.66 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 0.009~0.15 | -59.27 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 0.15~30    | -53.07 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 30~1000    | -59.02 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 1000~3000  | -45.35 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 3000~10000 | -44.39 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0 | 0.009~0.15 | -58.91 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0 | 0.15~30    | -51.71 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0 | 30~1000    | -59.68 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0 | 1000~3000  | -45.34 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0 | 3000~10000 | -44.49 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0 | 0.009~0.15 | -59.24 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0 | 0.15~30    | -52.51 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0 | 30~1000    | -60.60 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0 | 1000~3000  | -46.01 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0 | 3000~10000 | -44.83 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#0 | 0.009~0.15 | -57.43 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#0 | 0.15~30    | -52.46 | PASS |



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|--------|--------|-------|-------|-------|------------|--------|------|
| Band12 | 5MHz   | QPSK  | 23155 | 1RB#0 | 30~1000    | -58.51 | PASS |
| Band12 | 5MHz   | QPSK  | 23155 | 1RB#0 | 1000~3000  | -44.64 | PASS |
| Band12 | 5MHz   | QPSK  | 23155 | 1RB#0 | 3000~10000 | -44.16 | PASS |
| Band12 | 5MHz   | 16QAM | 23155 | 1RB#0 | 0.009~0.15 | -56.96 | PASS |
| Band12 | 5MHz   | 16QAM | 23155 | 1RB#0 | 0.15~30    | -52.09 | PASS |
| Band12 | 5MHz   | 16QAM | 23155 | 1RB#0 | 30~1000    | -59.93 | PASS |
| Band12 | 5MHz   | 16QAM | 23155 | 1RB#0 | 1000~3000  | -45.08 | PASS |
| Band12 | 5MHz   | 16QAM | 23155 | 1RB#0 | 3000~10000 | -44.48 | PASS |
| Band12 | 10MHz  | QPSK  | 23060 | 1RB#0 | 0.009~0.15 | -58.07 | PASS |
| Band12 | 10MHz  | QPSK  | 23060 | 1RB#0 | 0.15~30    | -53.54 | PASS |
| Band12 | 10MHz  | QPSK  | 23060 | 1RB#0 | 30~1000    | -62.57 | PASS |
| Band12 | 10MHz  | QPSK  | 23060 | 1RB#0 | 1000~3000  | -45.89 | PASS |
| Band12 | 10MHz  | QPSK  | 23060 | 1RB#0 | 3000~10000 | -44.75 | PASS |
| Band12 | 10MHz  | 16QAM | 23060 | 1RB#0 | 0.009~0.15 | -56.29 | PASS |
| Band12 | 10MHz  | 16QAM | 23060 | 1RB#0 | 0.15~30    | -55.51 | PASS |
| Band12 | 10MHz  | 16QAM | 23060 | 1RB#0 | 30~1000    | -62.66 | PASS |
| Band12 | 10MHz  | 16QAM | 23060 | 1RB#0 | 1000~3000  | -45.53 | PASS |
| Band12 | 10MHz  | 16QAM | 23060 | 1RB#0 | 3000~10000 | -44.98 | PASS |
| Band12 | 10MHz  | QPSK  | 23095 | 1RB#0 | 0.009~0.15 | -56.70 | PASS |
| Band12 | 10MHz  | QPSK  | 23095 | 1RB#0 | 0.15~30    | -51.99 | PASS |
| Band12 | 10MHz  | QPSK  | 23095 | 1RB#0 | 30~1000    | -62.81 | PASS |
| Band12 | 10MHz  | QPSK  | 23095 | 1RB#0 | 1000~3000  | -45.33 | PASS |
| Band12 | 10MHz  | QPSK  | 23095 | 1RB#0 | 3000~10000 | -44.65 | PASS |
| Band12 | 10MHz  | 16QAM | 23095 | 1RB#0 | 0.009~0.15 | -58.37 | PASS |
| Band12 | 10MHz  | 16QAM | 23095 | 1RB#0 | 0.15~30    | -54.03 | PASS |
| Band12 | 10MHz  | 16QAM | 23095 | 1RB#0 | 30~1000    | -62.32 | PASS |
| Band12 | 10MHz  | 16QAM | 23095 | 1RB#0 | 1000~3000  | -45.82 | PASS |
| Band12 | 10MHz  | 16QAM | 23095 | 1RB#0 | 3000~10000 | -44.58 | PASS |
| Band12 | 10MHz  | QPSK  | 23130 | 1RB#0 | 0.009~0.15 | -59.54 | PASS |
| Band12 | 10MHz  | QPSK  | 23130 | 1RB#0 | 0.15~30    | -52.31 | PASS |
| Band12 | 10MHz  | QPSK  | 23130 | 1RB#0 | 30~1000    | -62.62 | PASS |
| Band12 | 10MHz  | QPSK  | 23130 | 1RB#0 | 1000~3000  | -46.23 | PASS |
| Band12 | 10MHz  | QPSK  | 23130 | 1RB#0 | 3000~10000 | -44.73 | PASS |
| Band12 | 10MHz  | 16QAM | 23130 | 1RB#0 | 0.009~0.15 | -58.02 | PASS |
| Band12 | 10MHz  | 16QAM | 23130 | 1RB#0 | 0.15~30    | -52.54 | PASS |
| Band12 | 10MHz  | 16QAM | 23130 | 1RB#0 | 30~1000    | -62.56 | PASS |
| Band12 | 10MHz  | 16QAM | 23130 | 1RB#0 | 1000~3000  | -46.38 | PASS |
| Band12 | 10MHz  | 16QAM | 23130 | 1RB#0 | 3000~10000 | -44.69 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#0 | 0.009~0.15 | -57.91 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#0 | 0.15~30    | -51.14 | PASS |



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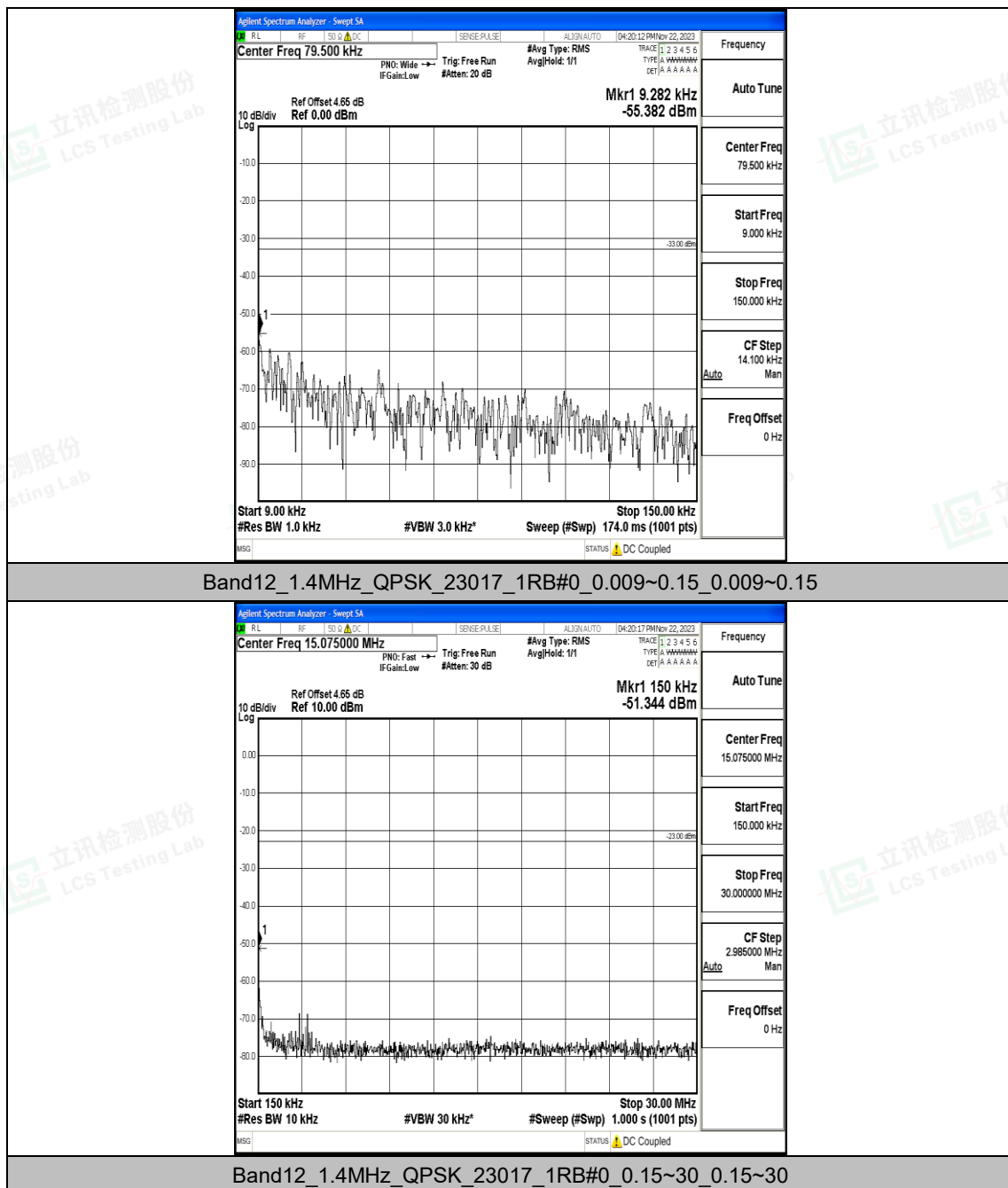
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| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#0 | 30~1000    | -49.23 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#0 | 1000~3000  | -41.10 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#0 | 3000~10000 | -44.78 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 1RB#0 | 0.009~0.15 | -57.64 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#0 | 1000~3000  | -42.66 | PASS |

## Test Graphs

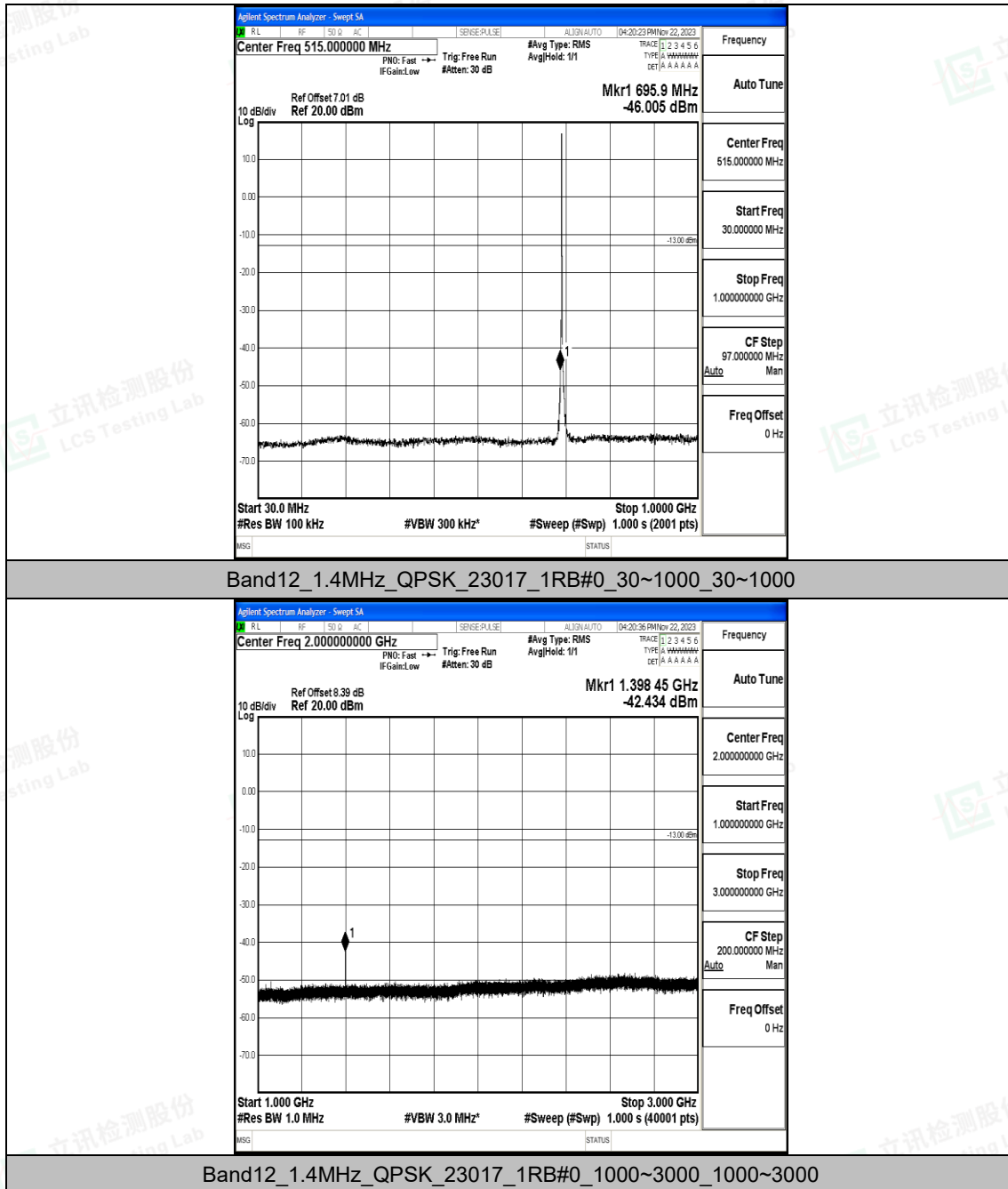


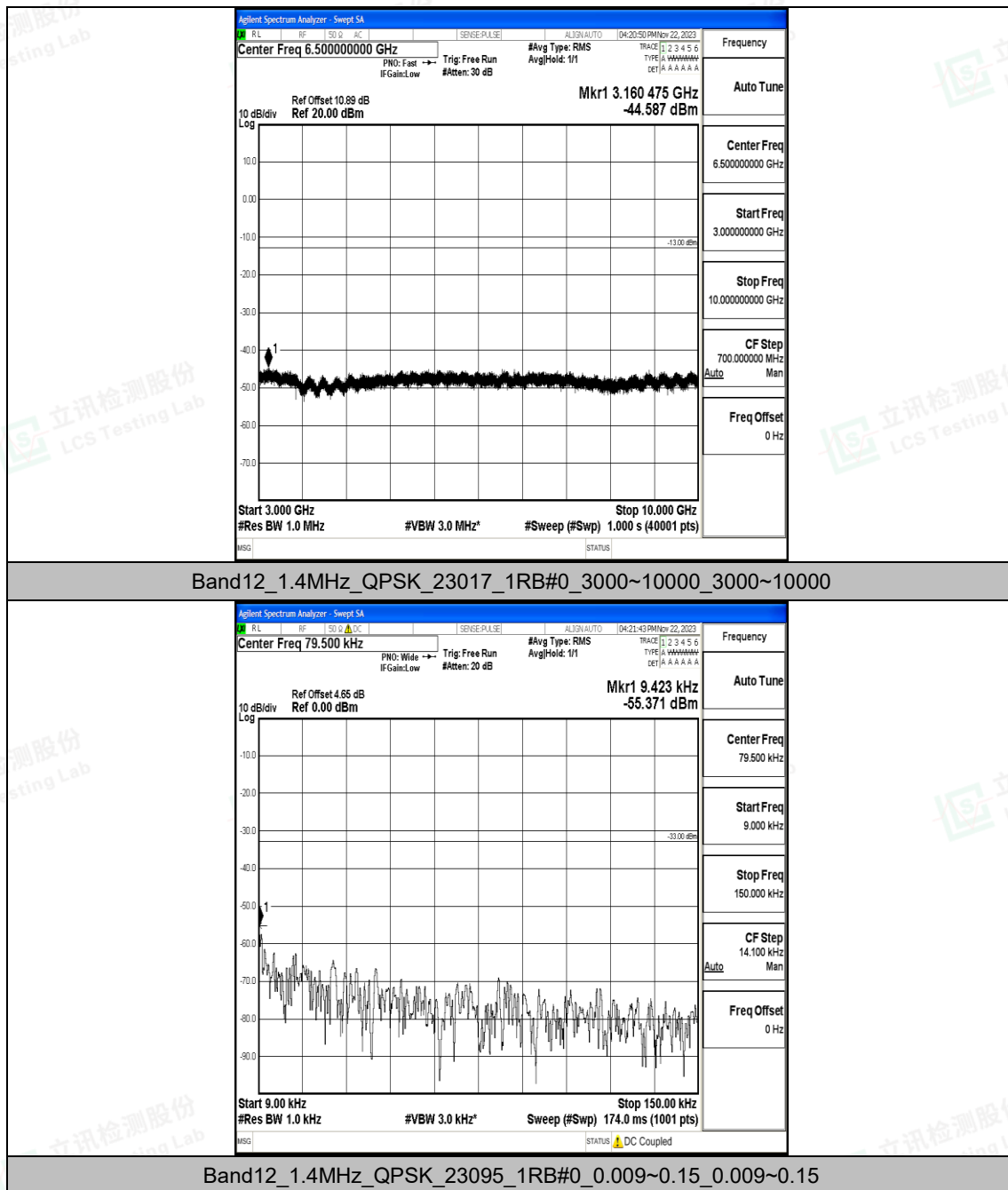
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