



## Appendix C: Test Data for E-UTRA Band 4

Product Name: Global Powerbank WiFi

Test Model: P1

### Environmental Conditions

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



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## C.1 Conducted Output Power Data

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#0            | 23.85       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#0            | 22.90       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#2            | 23.87       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#2            | 22.83       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#5            | 23.91       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#5            | 22.88       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 3RB#0            | 23.92       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 3RB#0            | 22.94       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 3RB#1            | 23.88       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 3RB#1            | 22.98       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 3RB#3            | 23.90       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 3RB#3            | 22.95       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | 22.96       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | 22.19       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#0            | 23.92       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#0            | 22.22       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#2            | 23.91       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#2            | 22.25       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#5            | 23.91       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#5            | 22.20       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 3RB#0            | 23.94       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 3RB#0            | 22.73       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 3RB#1            | 23.89       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 3RB#1            | 22.70       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 3RB#3            | 23.87       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 3RB#3            | 22.72       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0            | 22.83       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | 21.98       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#0            | 23.73       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#0            | 23.42       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#2            | 23.78       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#2            | 23.40       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#5            | 23.84       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#5            | 23.38       | PASS    |



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|       |        |       |       |        |       |      |
|-------|--------|-------|-------|--------|-------|------|
| Band4 | 1.4MHz | QPSK  | 20393 | 3RB#0  | 23.86 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#0  | 22.24 | PASS |
| Band4 | 1.4MHz | QPSK  | 20393 | 3RB#1  | 23.79 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#1  | 22.27 | PASS |
| Band4 | 1.4MHz | QPSK  | 20393 | 3RB#3  | 23.85 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#3  | 22.27 | PASS |
| Band4 | 1.4MHz | QPSK  | 20393 | 6RB#0  | 22.84 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0  | 22.06 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 1RB#0  | 23.88 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 1RB#0  | 22.65 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 1RB#8  | 23.85 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 1RB#8  | 22.69 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 1RB#14 | 23.80 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 1RB#14 | 22.68 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 8RB#0  | 23.00 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 8RB#0  | 22.16 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 8RB#4  | 23.01 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 8RB#4  | 22.16 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 8RB#7  | 22.93 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 8RB#7  | 22.15 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 15RB#0 | 22.94 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 15RB#0 | 22.05 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 1RB#0  | 23.90 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 1RB#0  | 22.29 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 1RB#8  | 23.95 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 1RB#8  | 22.24 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 1RB#14 | 23.93 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 1RB#14 | 22.21 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 8RB#0  | 22.91 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 8RB#0  | 22.21 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 8RB#4  | 22.81 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 8RB#4  | 22.23 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 8RB#7  | 22.92 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 8RB#7  | 22.24 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 15RB#0 | 22.93 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 15RB#0 | 21.92 | PASS |
| Band4 | 3MHz   | QPSK  | 20385 | 1RB#0  | 23.81 | PASS |
| Band4 | 3MHz   | 16QAM | 20385 | 1RB#0  | 23.04 | PASS |
| Band4 | 3MHz   | QPSK  | 20385 | 1RB#8  | 23.82 | PASS |
| Band4 | 3MHz   | 16QAM | 20385 | 1RB#8  | 22.98 | PASS |



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|-------|------|-------|-------|---------|-------|------|
| Band4 | 3MHz | QPSK  | 20385 | 1RB#14  | 23.90 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#14  | 23.02 | PASS |
| Band4 | 3MHz | QPSK  | 20385 | 8RB#0   | 22.95 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#0   | 22.18 | PASS |
| Band4 | 3MHz | QPSK  | 20385 | 8RB#4   | 22.96 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#4   | 22.12 | PASS |
| Band4 | 3MHz | QPSK  | 20385 | 8RB#7   | 23.00 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#7   | 22.16 | PASS |
| Band4 | 3MHz | QPSK  | 20385 | 15RB#0  | 22.98 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0  | 22.05 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 1RB#0   | 23.94 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0   | 22.35 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 1RB#12  | 23.91 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#12  | 22.34 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 1RB#24  | 23.89 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#24  | 22.40 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 12RB#0  | 22.89 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#0  | 22.08 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 12RB#6  | 22.89 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#6  | 22.08 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 12RB#13 | 22.96 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#13 | 22.02 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 25RB#0  | 22.78 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0  | 22.05 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 1RB#0   | 23.81 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#0   | 23.06 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 1RB#12  | 23.79 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#12  | 23.11 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 1RB#24  | 23.82 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#24  | 23.01 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 12RB#0  | 22.88 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#0  | 22.15 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 12RB#6  | 22.89 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#6  | 22.16 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 12RB#13 | 22.92 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#13 | 22.12 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 25RB#0  | 22.93 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 25RB#0  | 22.07 | PASS |
| Band4 | 5MHz | QPSK  | 20375 | 1RB#0   | 23.86 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#0   | 22.48 | PASS |



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|-------|-------|-------|-------|---------|-------|------|
| Band4 | 5MHz  | QPSK  | 20375 | 1RB#12  | 23.91 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 1RB#12  | 22.55 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 1RB#24  | 24.00 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 1RB#24  | 22.49 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 12RB#0  | 22.92 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 12RB#0  | 21.96 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 12RB#6  | 22.83 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 12RB#6  | 21.98 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 12RB#13 | 22.97 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 12RB#13 | 21.97 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 25RB#0  | 22.85 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 25RB#0  | 22.02 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#0   | 23.86 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0   | 22.95 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#24  | 23.87 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#24  | 22.98 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#49  | 23.91 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#49  | 23.00 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 25RB#0  | 22.88 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#0  | 21.96 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 25RB#12 | 22.95 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#12 | 22.01 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 25RB#25 | 22.85 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#25 | 21.96 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 50RB#0  | 22.93 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0  | 21.97 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#0   | 23.91 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0   | 22.84 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#24  | 23.94 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#24  | 22.89 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#49  | 23.86 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#49  | 22.77 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 25RB#0  | 22.95 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#0  | 22.10 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 25RB#12 | 23.00 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#12 | 22.13 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 25RB#25 | 22.97 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#25 | 22.14 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 50RB#0  | 22.98 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0  | 22.07 | PASS |



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|-------|-------|-------|-------|---------|-------|------|
| Band4 | 10MHz | QPSK  | 20350 | 1RB#0   | 23.75 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0   | 23.49 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#24  | 23.77 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#24  | 23.50 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#49  | 23.82 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#49  | 23.52 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 25RB#0  | 22.86 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#0  | 22.03 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 25RB#12 | 22.90 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#12 | 22.04 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 25RB#25 | 22.90 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#25 | 22.02 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 50RB#0  | 22.95 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0  | 22.08 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#0   | 23.84 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0   | 22.95 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#38  | 23.85 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#38  | 22.98 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#74  | 23.87 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#74  | 22.99 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 38RB#0  | 22.99 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#0  | 22.98 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 38RB#18 | 22.98 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#18 | 22.98 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 38RB#37 | 22.98 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#37 | 22.98 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 75RB#0  | 22.98 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0  | 22.05 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#0   | 23.65 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0   | 22.81 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#38  | 23.50 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#38  | 22.82 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#74  | 23.40 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#74  | 22.75 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 38RB#0  | 22.96 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#0  | 22.97 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 38RB#18 | 22.98 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#18 | 22.98 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 38RB#37 | 22.98 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#37 | 22.98 | PASS |



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|-------|-------|-------|-------|---------|-------|------|
| Band4 | 15MHz | QPSK  | 20175 | 75RB#0  | 22.98 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0  | 22.06 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#0   | 23.76 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0   | 23.48 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#38  | 23.88 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#38  | 23.54 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#74  | 23.82 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#74  | 23.51 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 38RB#0  | 22.84 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#0  | 22.84 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 38RB#18 | 22.84 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#18 | 22.84 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 38RB#37 | 22.84 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#37 | 22.85 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 75RB#0  | 22.86 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0  | 21.95 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#0   | 23.97 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0   | 22.70 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#49  | 23.92 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#49  | 22.70 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#99  | 24.02 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#99  | 22.83 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 50RB#0  | 22.96 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#0  | 22.17 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 50RB#25 | 22.93 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#25 | 22.11 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 50RB#50 | 23.15 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#50 | 22.20 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 100RB#0 | 22.92 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | 22.06 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#0   | 24.03 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0   | 23.43 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#49  | 23.96 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#49  | 23.36 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#99  | 24.01 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#99  | 23.27 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 50RB#0  | 23.08 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#0  | 22.25 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 50RB#25 | 22.91 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#25 | 22.17 | PASS |



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|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band4 | 20MHz | QPSK  | 20175 | 50RB#50 | 22.96 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#50 | 22.08 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 100RB#0 | 22.96 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | 22.23 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#0   | 24.06 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0   | 22.47 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#49  | 23.98 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#49  | 22.59 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#99  | 24.00 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#99  | 22.54 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 50RB#0  | 22.97 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#0  | 22.01 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 50RB#25 | 22.95 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#25 | 22.00 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 50RB#50 | 23.00 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#50 | 22.02 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 100RB#0 | 22.95 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 22.01 | PASS |





## C.2 Peak-to-Average Ratio(CCDF)

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#0            | 4.33       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#0            | 5.34       | 13        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | 5.35       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | 6.11       | 13        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#0            | 2.81       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#0            | 3.24       | 13        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0            | 4.02       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | 4.78       | 13        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#0            | 3.78       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#0            | 4.51       | 13        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0            | 5.01       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | 5.81       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 1RB#0            | 4.38       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 1RB#0            | 5.43       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0           | 5.39       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 15RB#0           | 6.17       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 1RB#0            | 2.77       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 20175   | 1RB#0            | 3.87       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 15RB#0           | 4.08       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 20175   | 15RB#0           | 4.89       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 1RB#0            | 3.54       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 1RB#0            | 4.52       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 15RB#0           | 5.00       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 15RB#0           | 5.73       | 13        | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 1RB#0            | 4.45       | 13        | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 1RB#0            | 5.59       | 13        | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 25RB#0           | 5.50       | 13        | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 25RB#0           | 6.17       | 13        | PASS    |
| Band4 | 10MHz     | QPSK       | 20000   | 1RB#0            | 4.39       | 13        | PASS    |
| Band4 | 10MHz     | 16QAM      | 20000   | 1RB#0            | 5.26       | 13        | PASS    |
| Band4 | 10MHz     | QPSK       | 20000   | 50RB#0           | 5.52       | 13        | PASS    |
| Band4 | 10MHz     | 16QAM      | 20000   | 50RB#0           | 6.21       | 13        | PASS    |
| Band4 | 10MHz     | QPSK       | 20175   | 1RB#0            | 3.13       | 13        | PASS    |



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|-------|-------|-------|-------|---------|------|----|------|
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0   | 4.02 | 13 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 50RB#0  | 4.71 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0  | 5.44 | 13 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#0   | 2.57 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0   | 3.77 | 13 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 50RB#0  | 5.10 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0  | 5.82 | 13 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#0   | 4.48 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0   | 5.32 | 13 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 75RB#0  | 5.68 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0  | 6.21 | 13 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#0   | 3.37 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0   | 4.23 | 13 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 75RB#0  | 4.93 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0  | 5.53 | 13 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#0   | 2.59 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0   | 3.46 | 13 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 75RB#0  | 5.16 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0  | 5.75 | 13 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#0   | 4.26 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0   | 5.34 | 13 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 100RB#0 | 5.27 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | 6.03 | 13 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#0   | 3.75 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0   | 4.85 | 13 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 100RB#0 | 4.81 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | 5.53 | 13 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#0   | 2.43 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0   | 3.24 | 13 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 100RB#0 | 4.98 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 5.61 | 13 | PASS |



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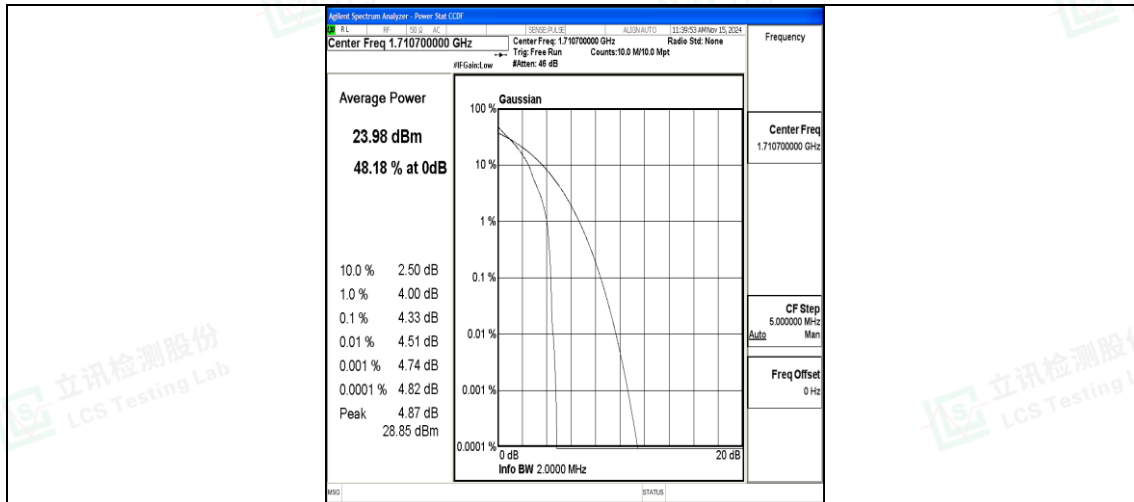
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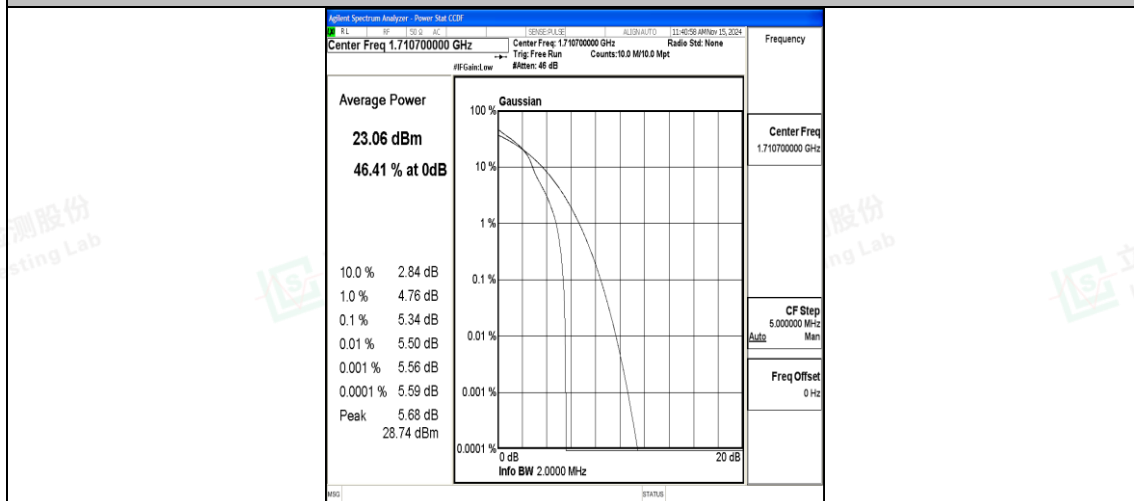
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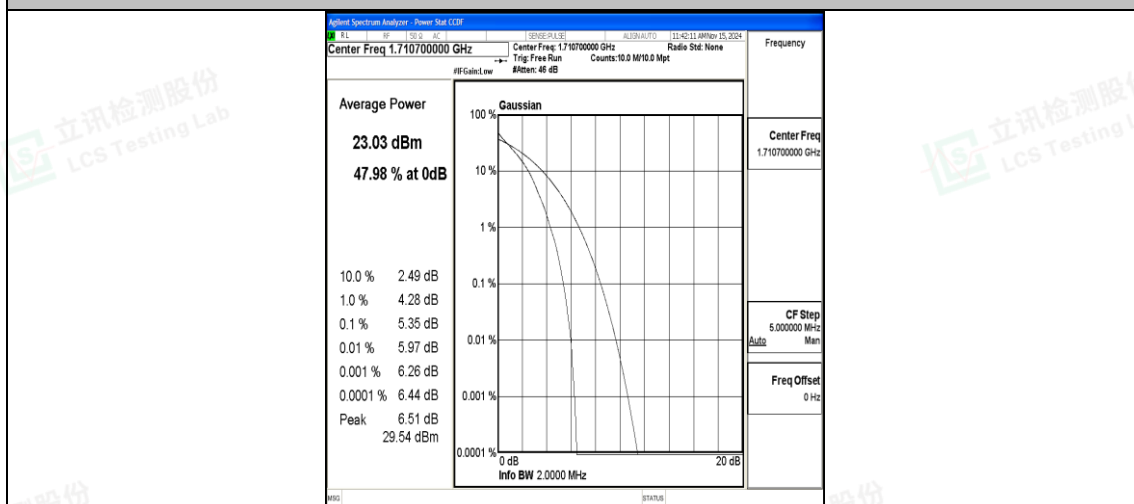
## Test Graphs



Band4-1.4MHz-QPSK-19957-1RB#0-PASS



Band4-1.4MHz-16QAM-19957-1RB#0-PASS



Band4-1.4MHz-QPSK-19957-6RB#0-PASS



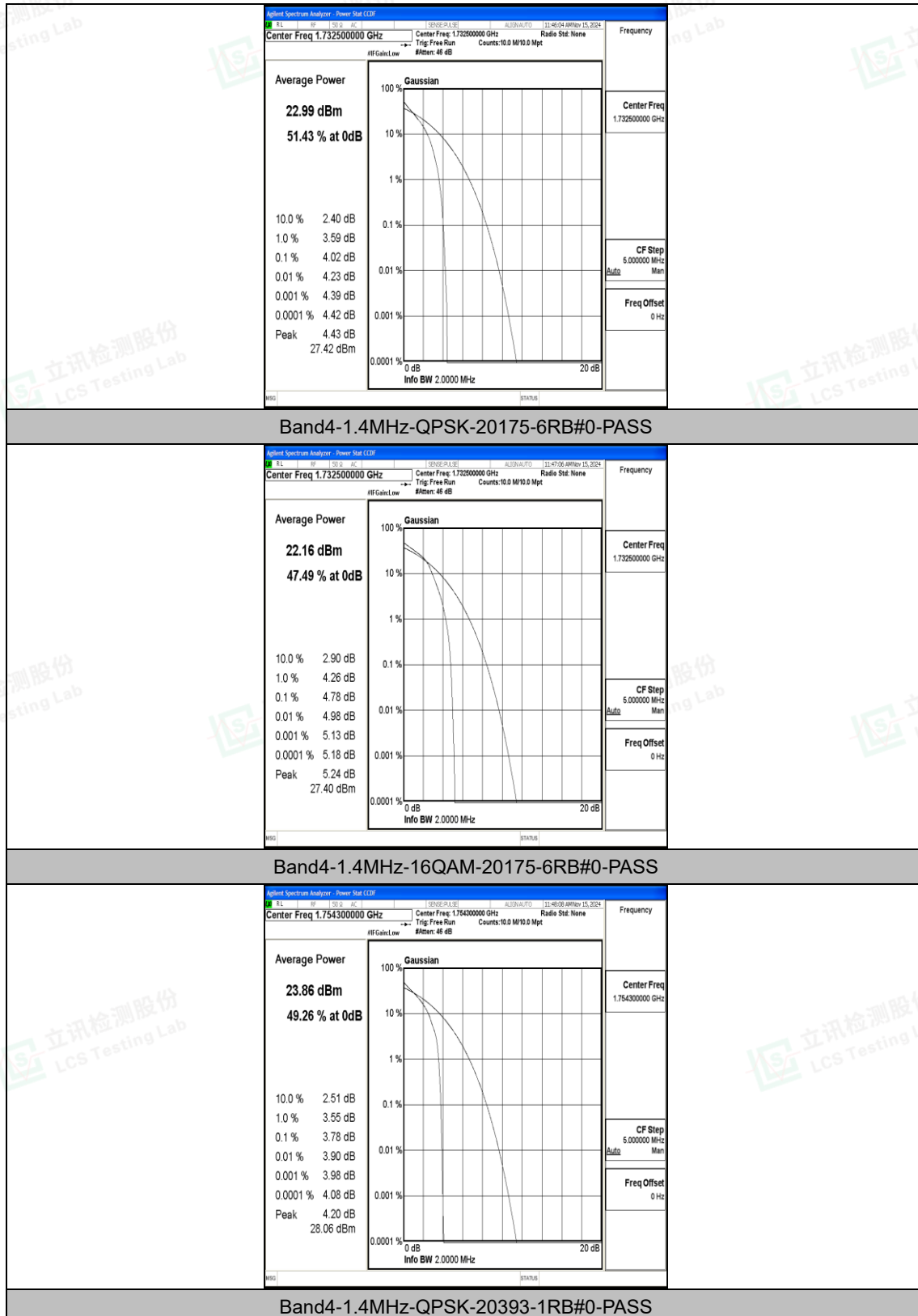
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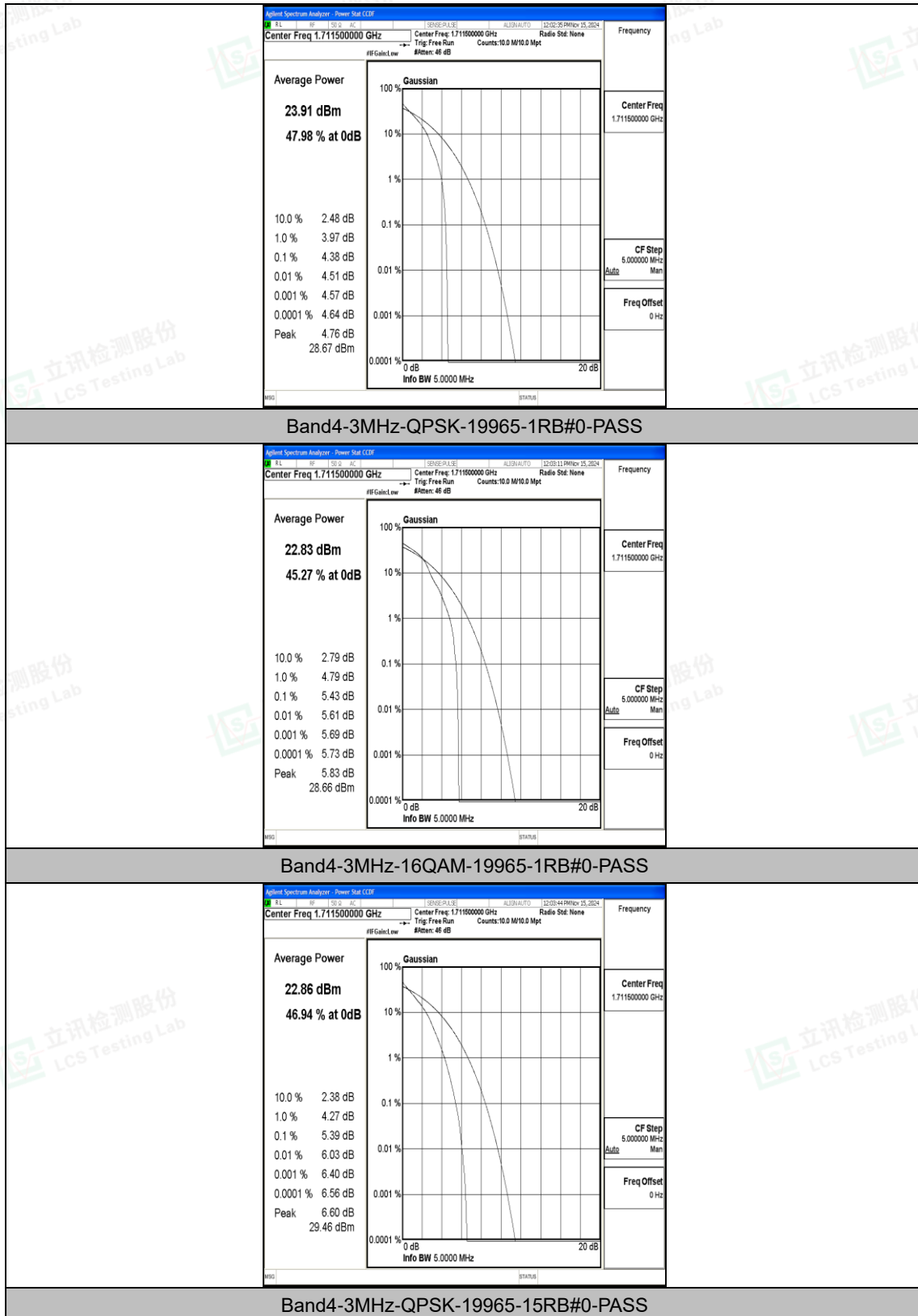


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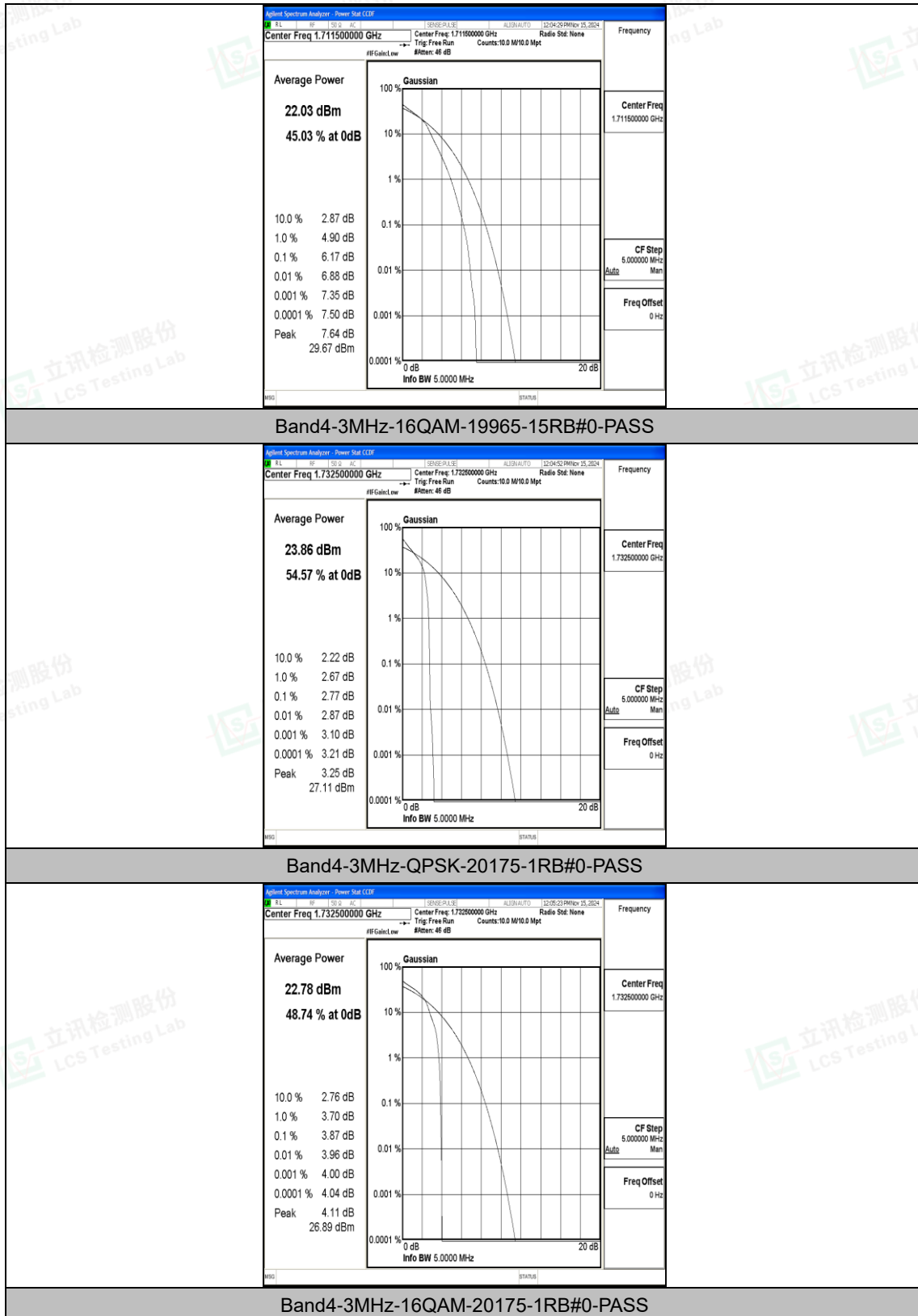


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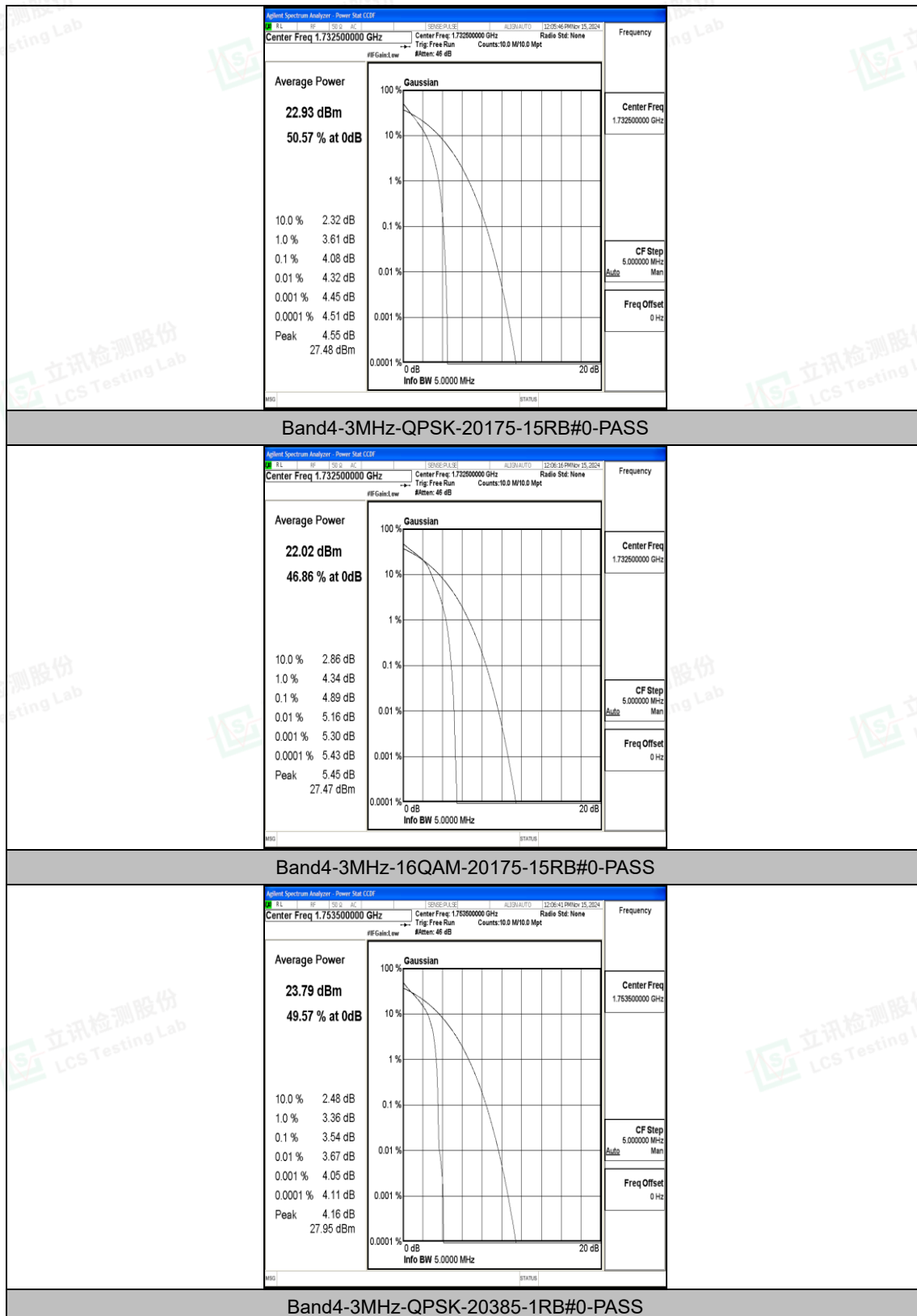


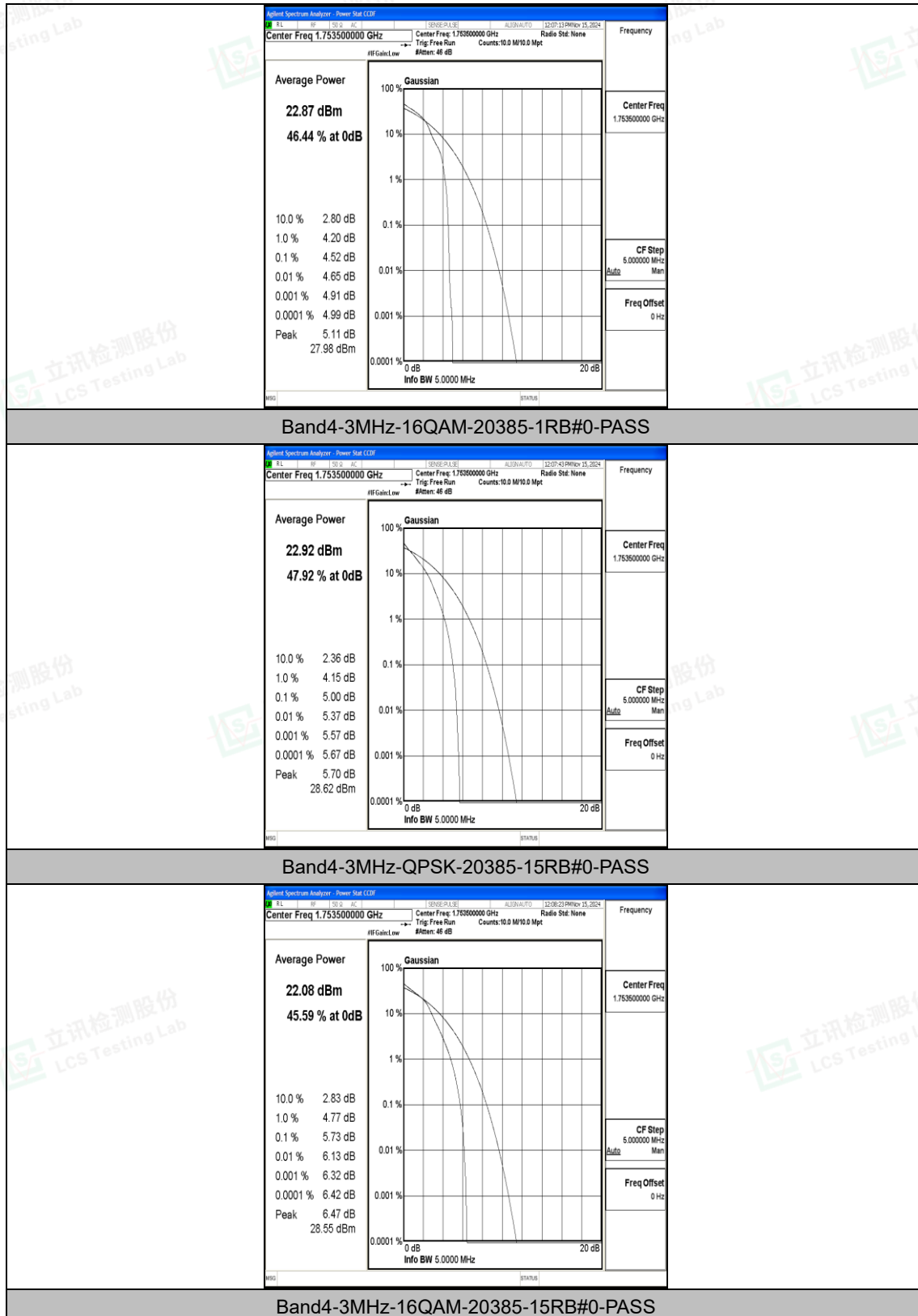
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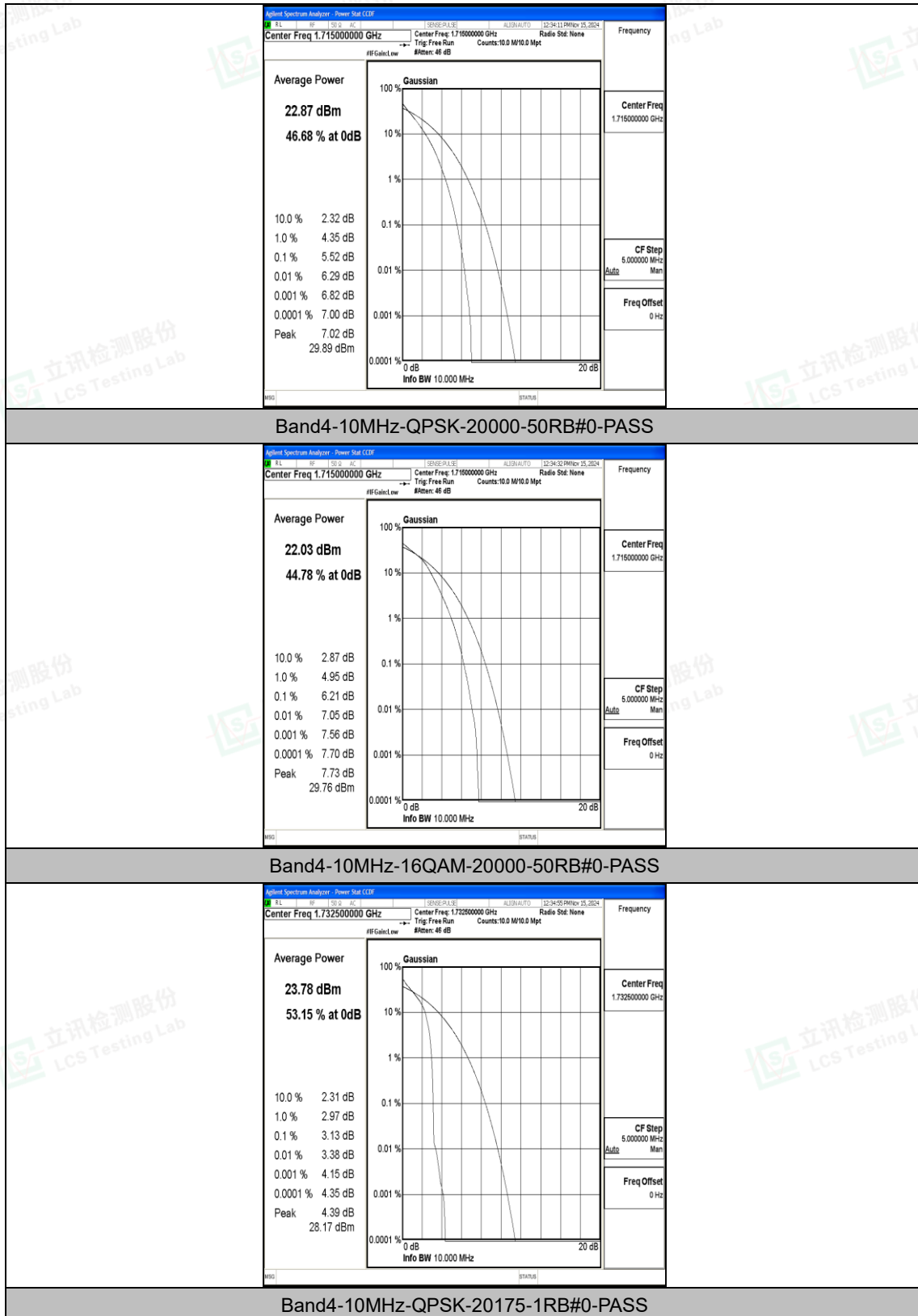


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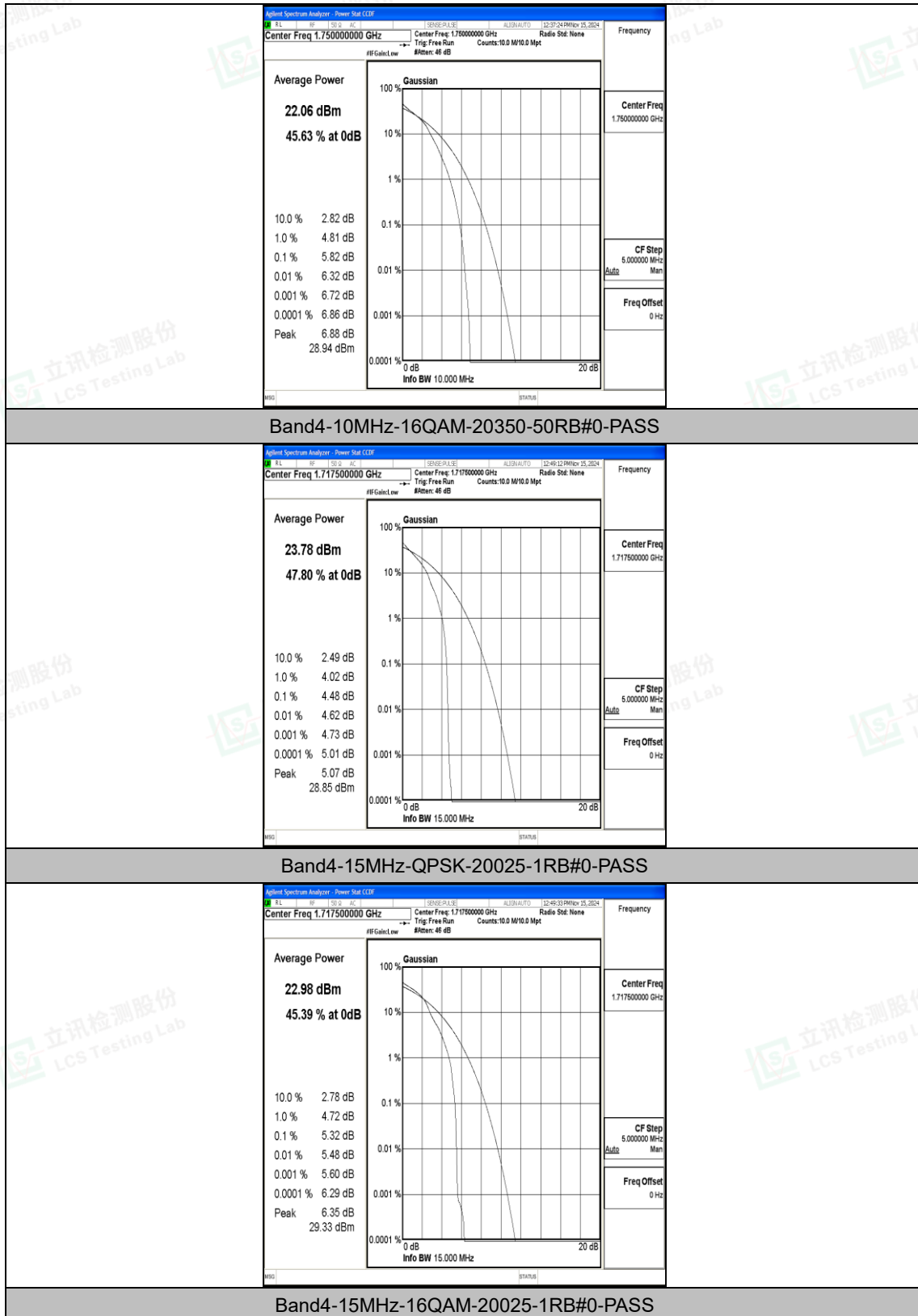


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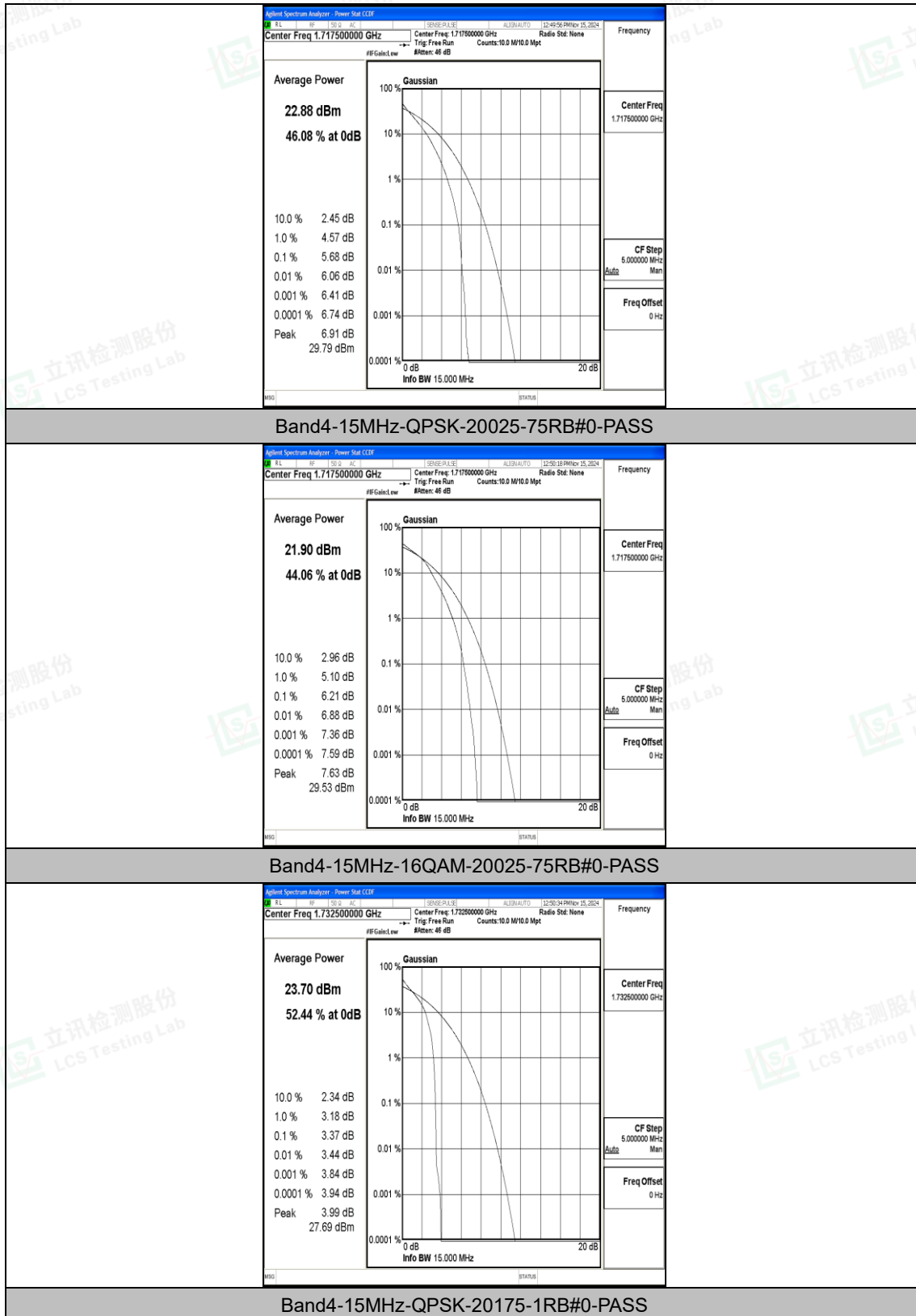


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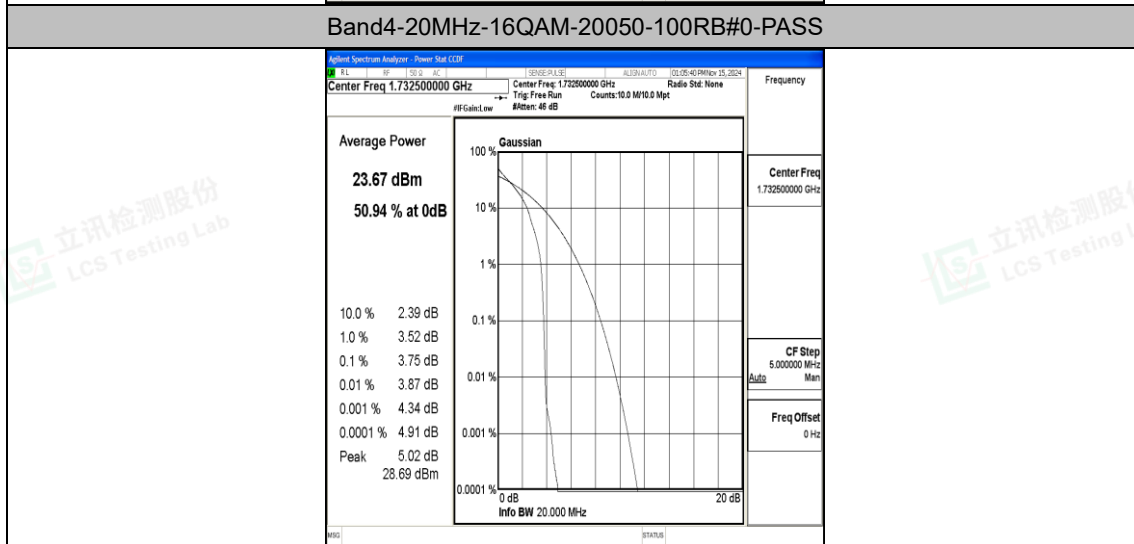
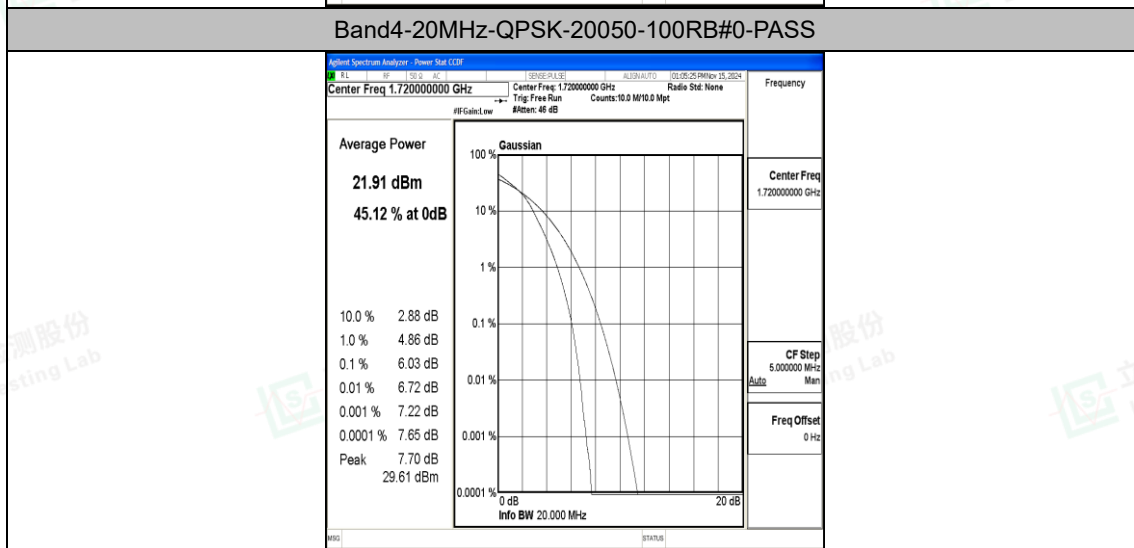
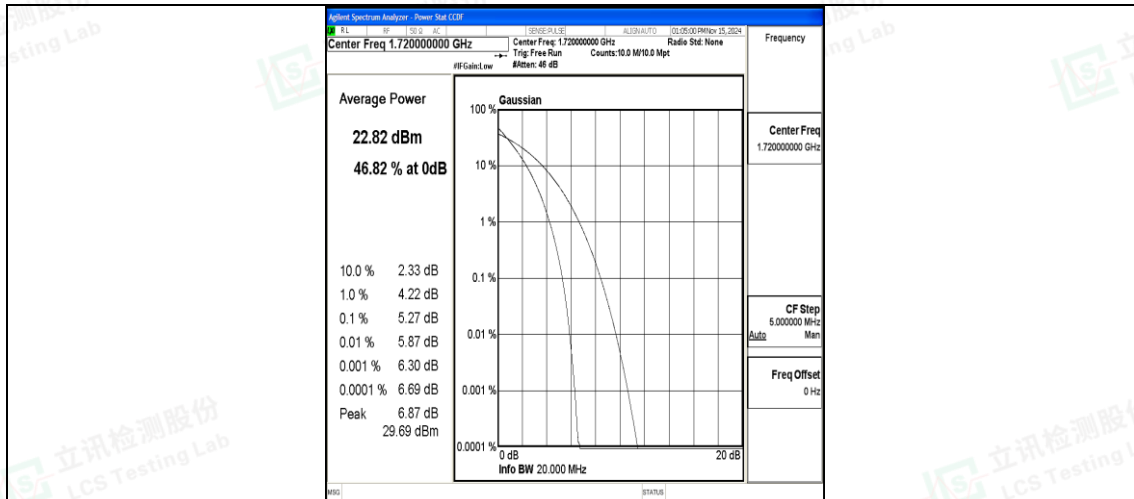


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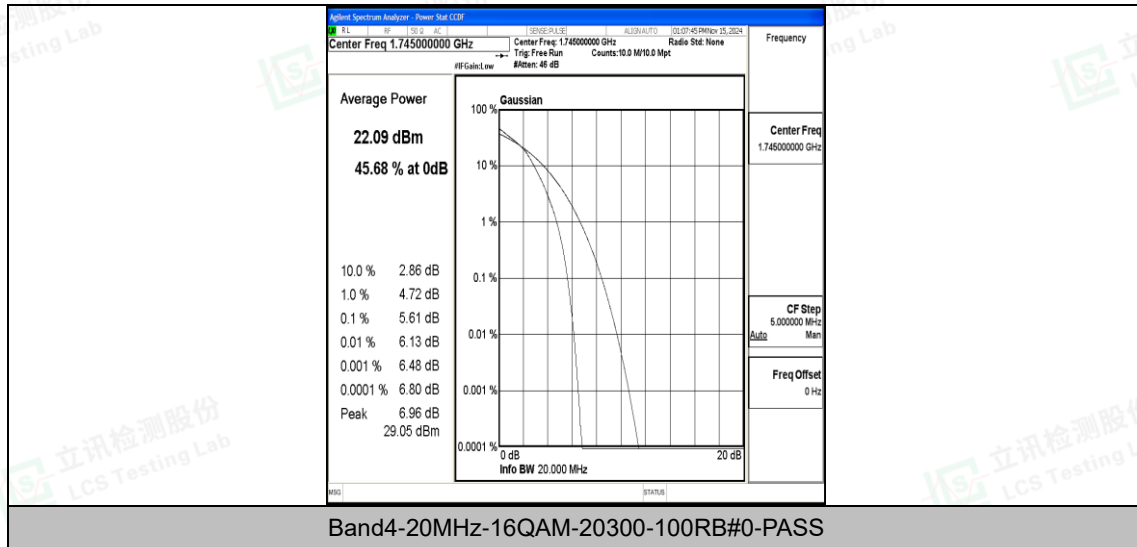


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### C.3 26dB Bandwidth and Occupied Bandwidth

#### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | 1.0872                   | 1.241                | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | 1.1036                   | 1.254                | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0            | 1.1069                   | 1.271                | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | 1.0964                   | 1.248                | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0            | 1.0912                   | 1.235                | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | 1.1048                   | 1.252                | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0           | 2.7073                   | 3.003                | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 15RB#0           | 2.7056                   | 3.019                | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 15RB#0           | 2.7188                   | 3.054                | PASS    |
| Band4 | 3MHz      | 16QAM      | 20175   | 15RB#0           | 2.7059                   | 3.024                | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 15RB#0           | 2.7038                   | 3.013                | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 15RB#0           | 2.7100                   | 3.023                | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 25RB#0           | 4.5070                   | 4.978                | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 25RB#0           | 4.5060                   | 4.971                | PASS    |
| Band4 | 5MHz      | QPSK       | 20175   | 25RB#0           | 4.5266                   | 4.983                | PASS    |
| Band4 | 5MHz      | 16QAM      | 20175   | 25RB#0           | 4.5198                   | 4.978                | PASS    |
| Band4 | 5MHz      | QPSK       | 20375   | 25RB#0           | 4.5074                   | 4.977                | PASS    |
| Band4 | 5MHz      | 16QAM      | 20375   | 25RB#0           | 4.5122                   | 4.981                | PASS    |
| Band4 | 10MHz     | QPSK       | 20000   | 50RB#0           | 8.9790                   | 9.840                | PASS    |
| Band4 | 10MHz     | 16QAM      | 20000   | 50RB#0           | 8.9821                   | 9.909                | PASS    |
| Band4 | 10MHz     | QPSK       | 20175   | 50RB#0           | 9.0129                   | 10.04                | PASS    |
| Band4 | 10MHz     | 16QAM      | 20175   | 50RB#0           | 9.0239                   | 9.948                | PASS    |
| Band4 | 10MHz     | QPSK       | 20350   | 50RB#0           | 9.0232                   | 9.922                | PASS    |
| Band4 | 10MHz     | 16QAM      | 20350   | 50RB#0           | 9.0005                   | 9.938                | PASS    |
| Band4 | 15MHz     | QPSK       | 20025   | 75RB#0           | 13.512                   | 14.95                | PASS    |
| Band4 | 15MHz     | 16QAM      | 20025   | 75RB#0           | 13.507                   | 14.87                | PASS    |
| Band4 | 15MHz     | QPSK       | 20175   | 75RB#0           | 13.526                   | 14.95                | PASS    |
| Band4 | 15MHz     | 16QAM      | 20175   | 75RB#0           | 13.508                   | 14.93                | PASS    |
| Band4 | 15MHz     | QPSK       | 20325   | 75RB#0           | 13.514                   | 14.96                | PASS    |
| Band4 | 15MHz     | 16QAM      | 20325   | 75RB#0           | 13.533                   | 14.92                | PASS    |
| Band4 | 20MHz     | QPSK       | 20050   | 100RB#0          | 17.987                   | 19.70                | PASS    |



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|-------|-------|-------|-------|---------|--------|-------|------|
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | 17.961 | 19.62 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 100RB#0 | 18.032 | 19.70 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | 18.054 | 19.62 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 100RB#0 | 18.101 | 19.89 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 18.101 | 19.87 | PASS |



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## Test Graphs



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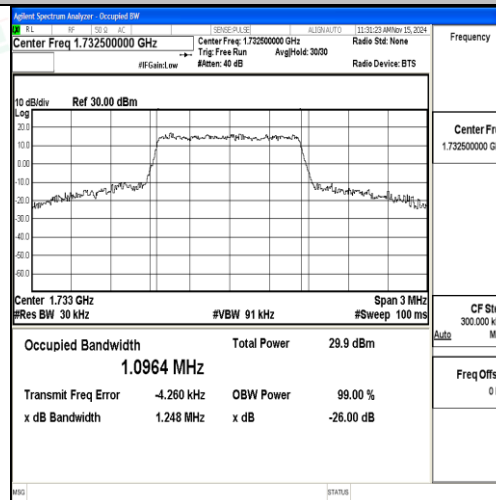
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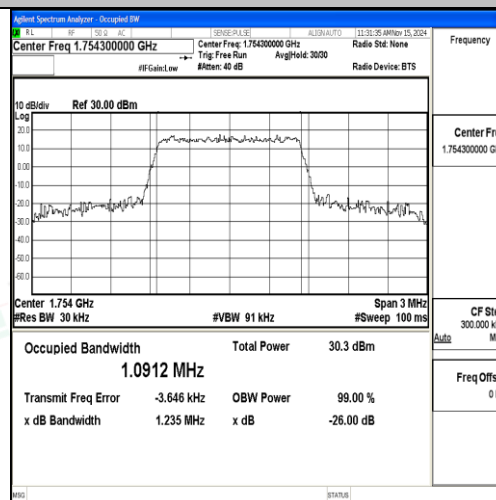
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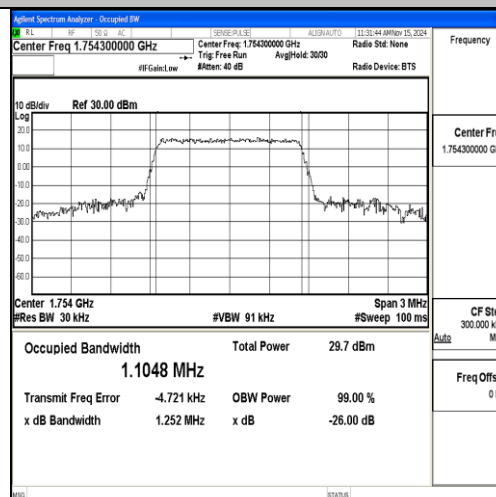
## Band4-1.4MHz-QPSK-20175-6RB#0-PASS



## Band4-1.4MHz-16QAM-20175-6RB#0-PASS



## Band4-1.4MHz-QPSK-20393-6RB#0-PASS



## Band4-1.4MHz-16QAM-20393-6RB#0-PASS



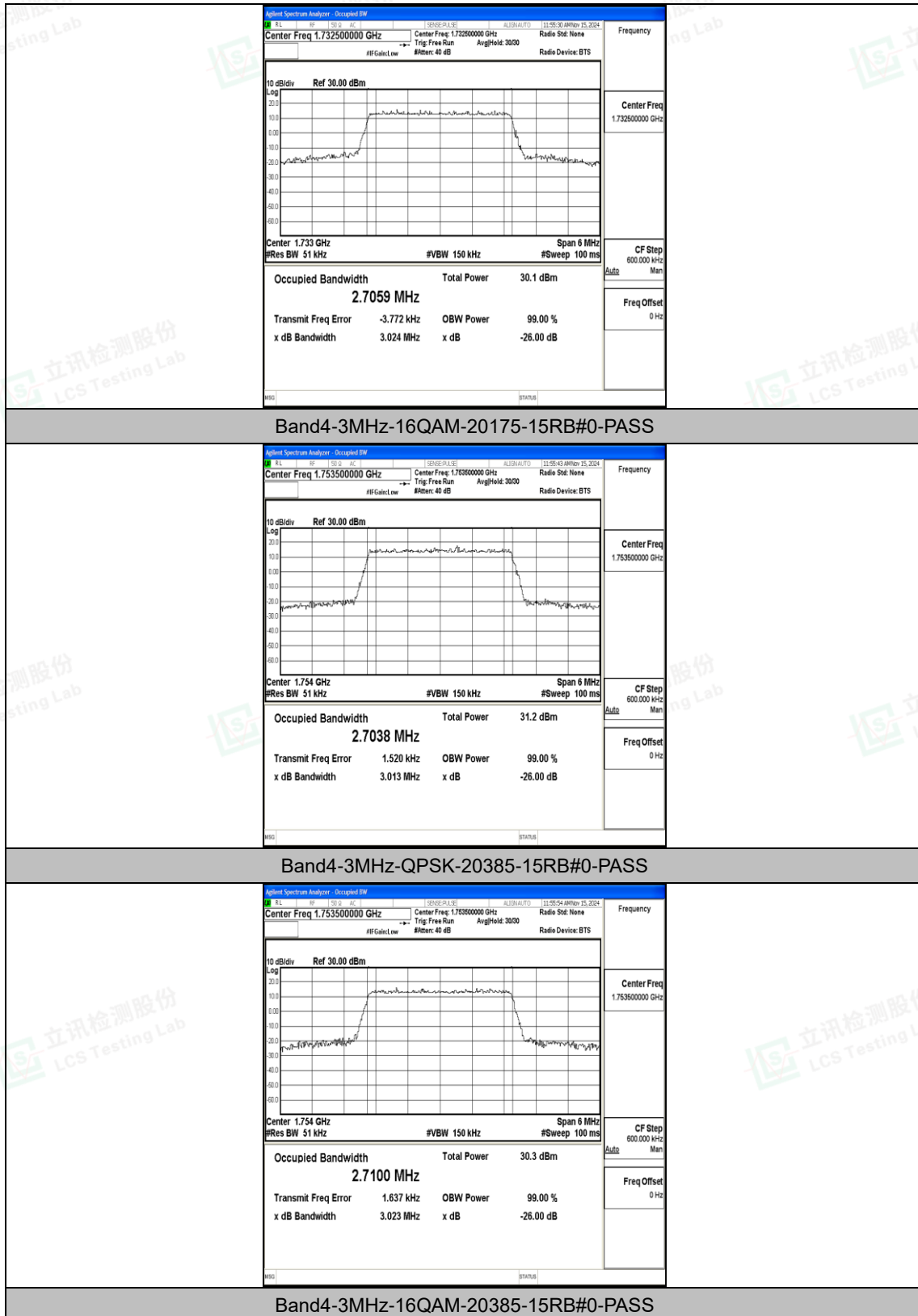
Shenzhen LCS Compliance Testing Laboratory Ltd.

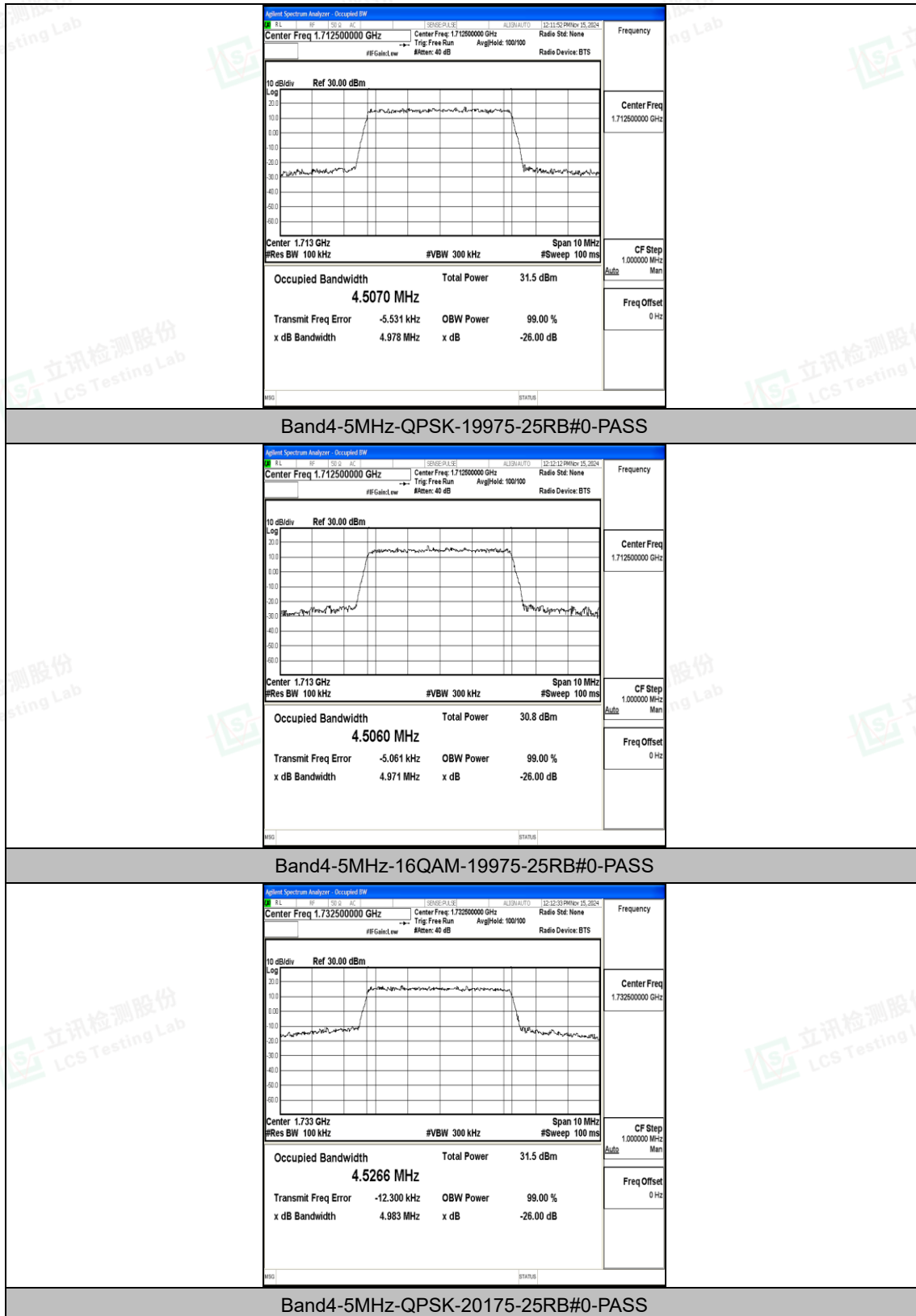
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

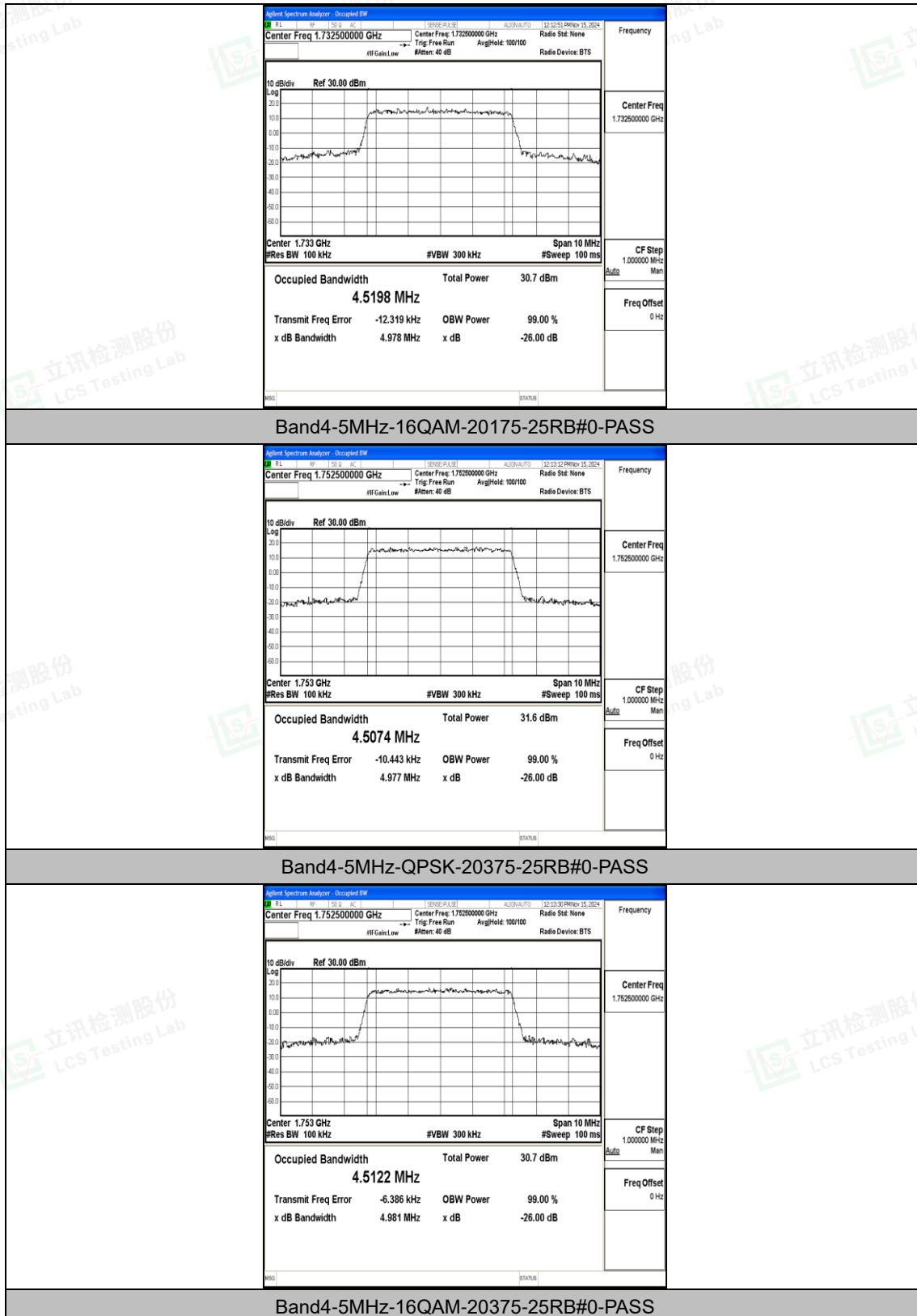
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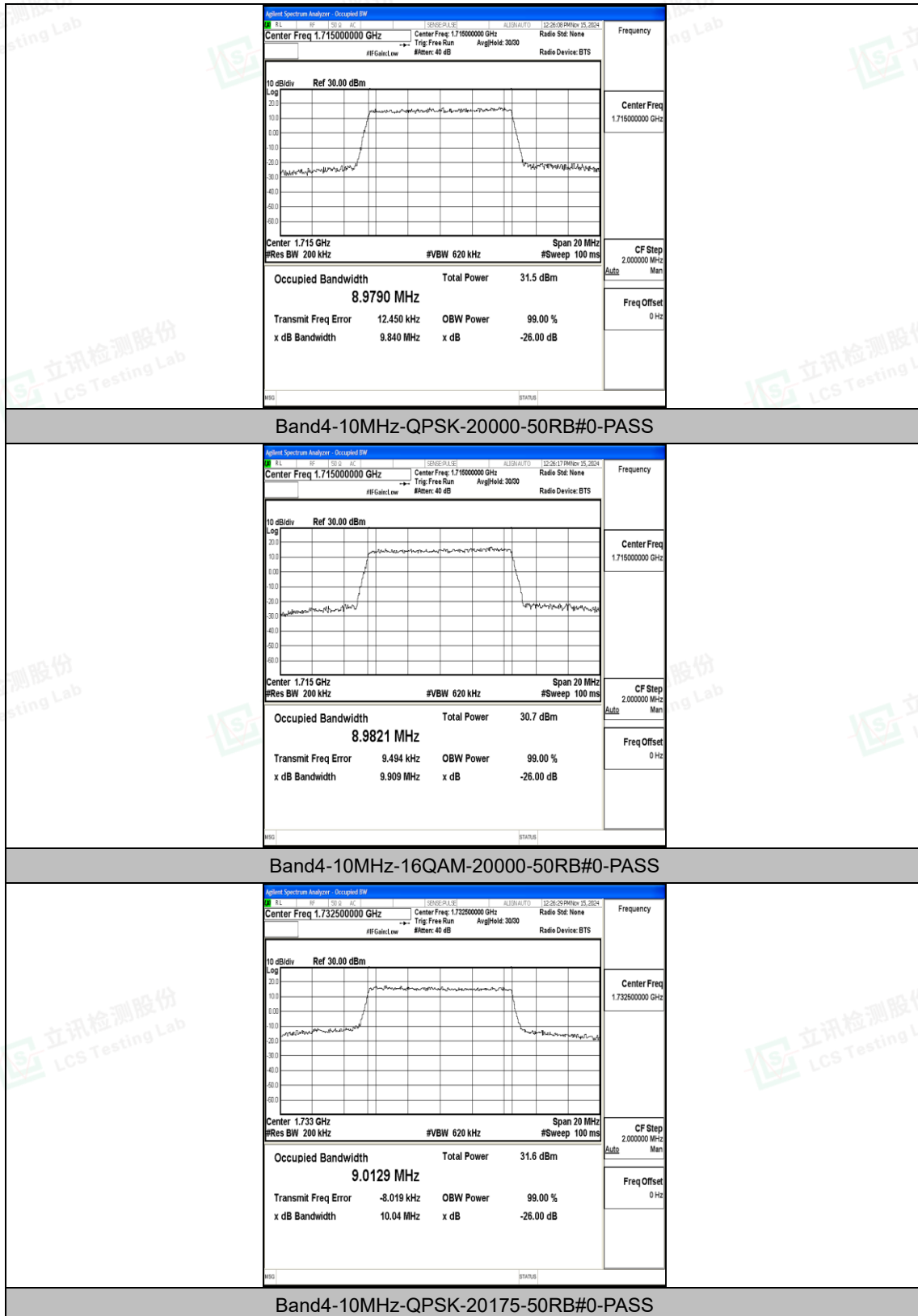
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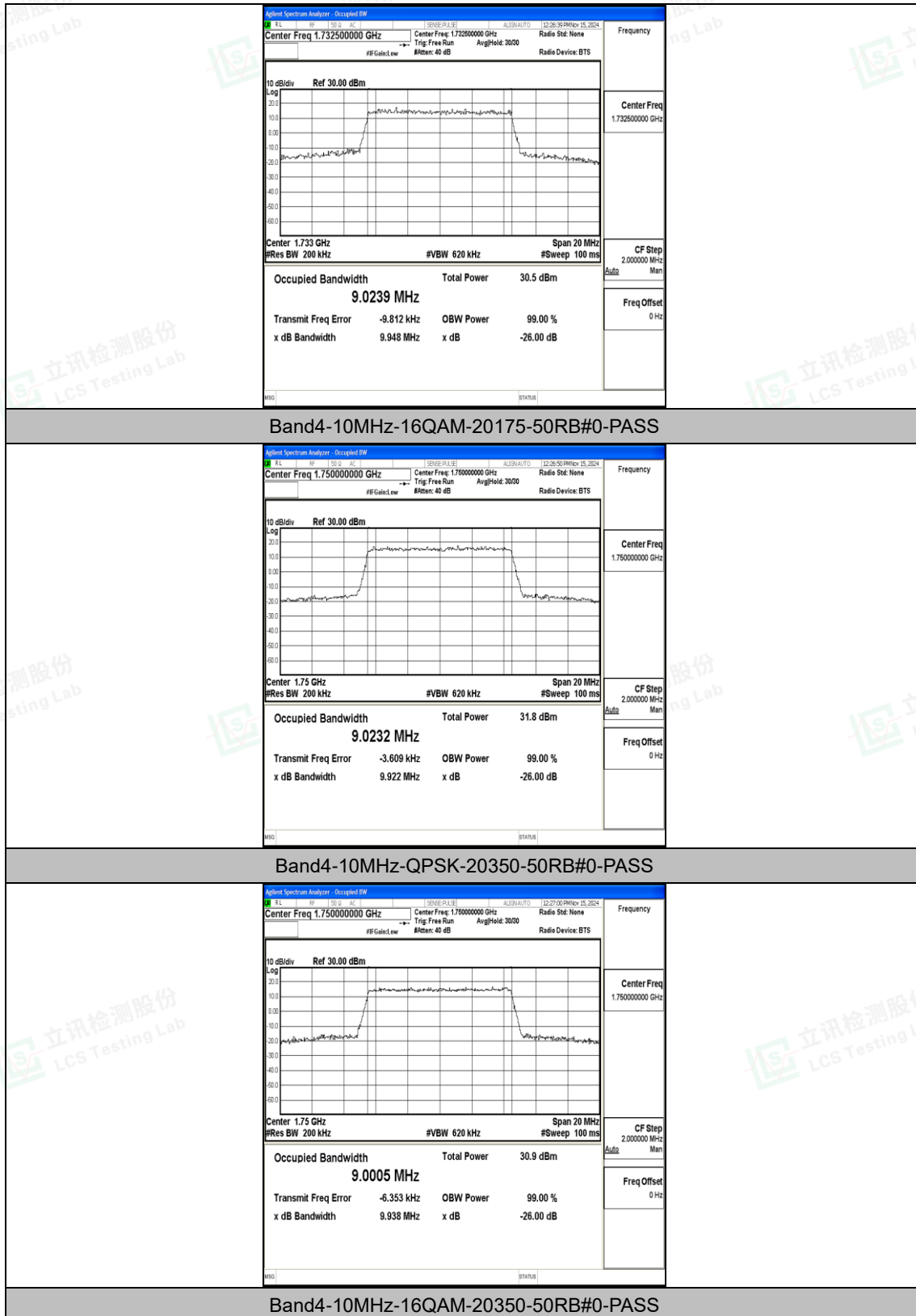










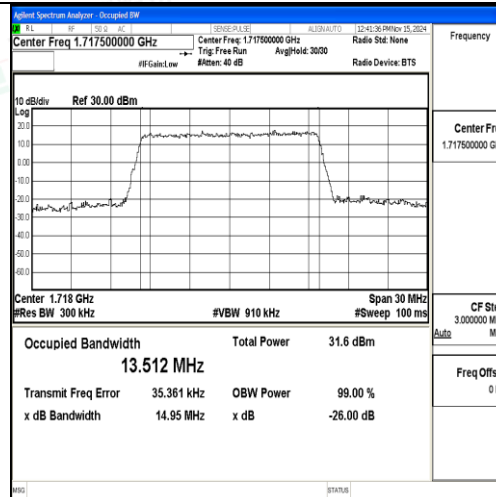


Shenzhen LCS Compliance Testing Laboratory Ltd.

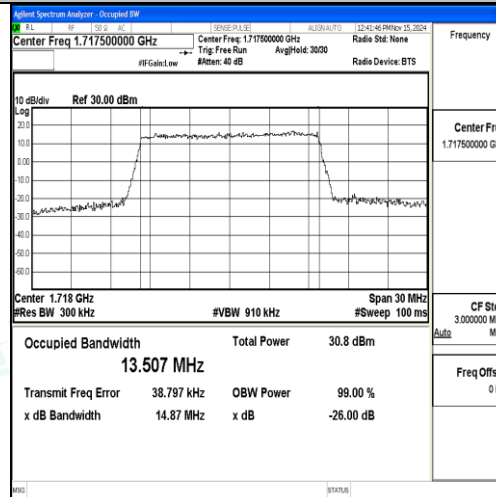
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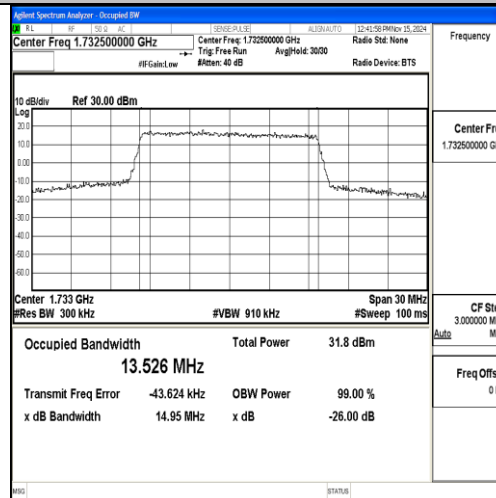
Scan code to check authenticity



## Band4-15MHz-QPSK-20025-75RB#0-PASS



## Band4-15MHz-16QAM-20025-75RB#0-PASS



## Band4-15MHz-QPSK-20175-75RB#0-PASS

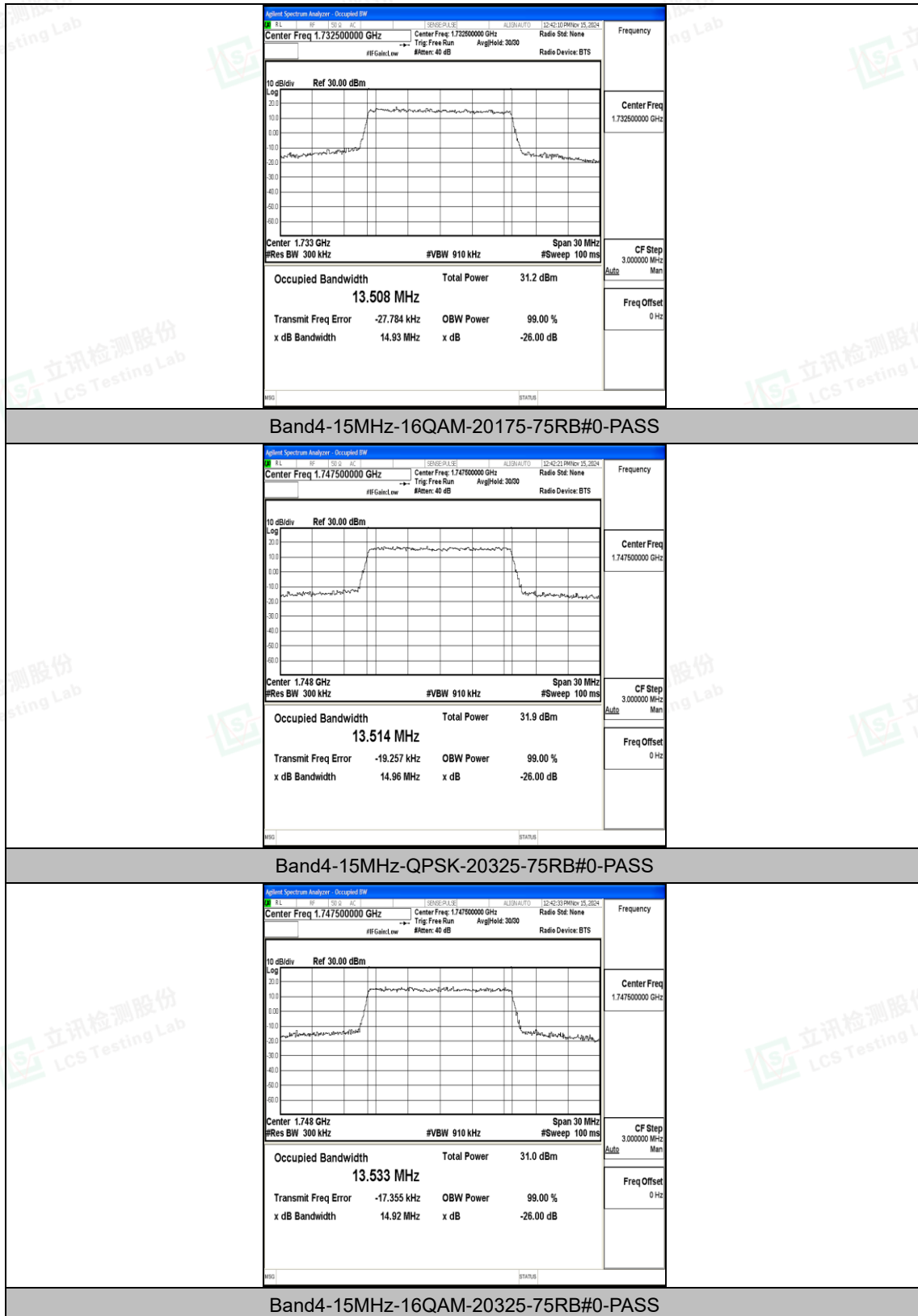


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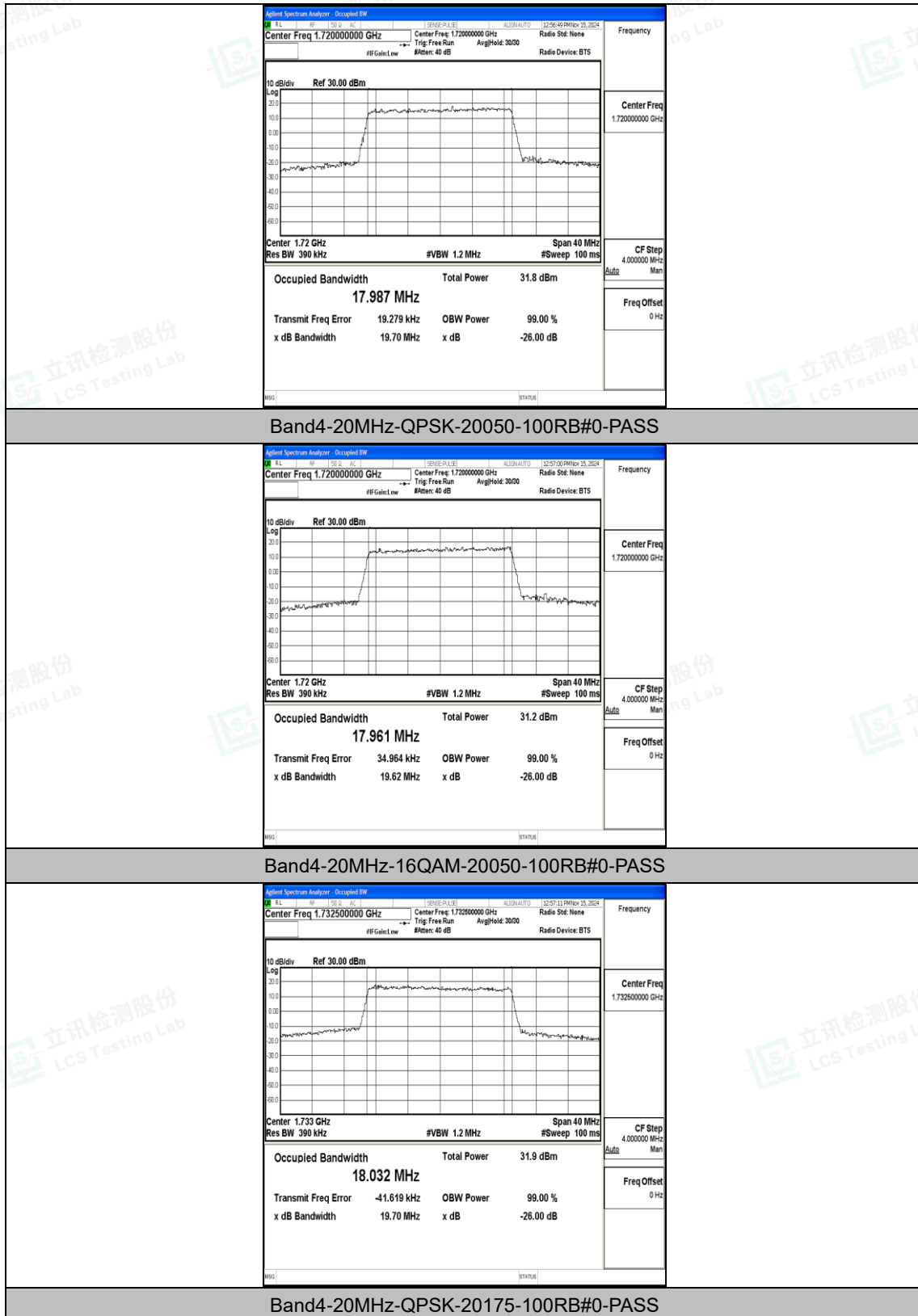


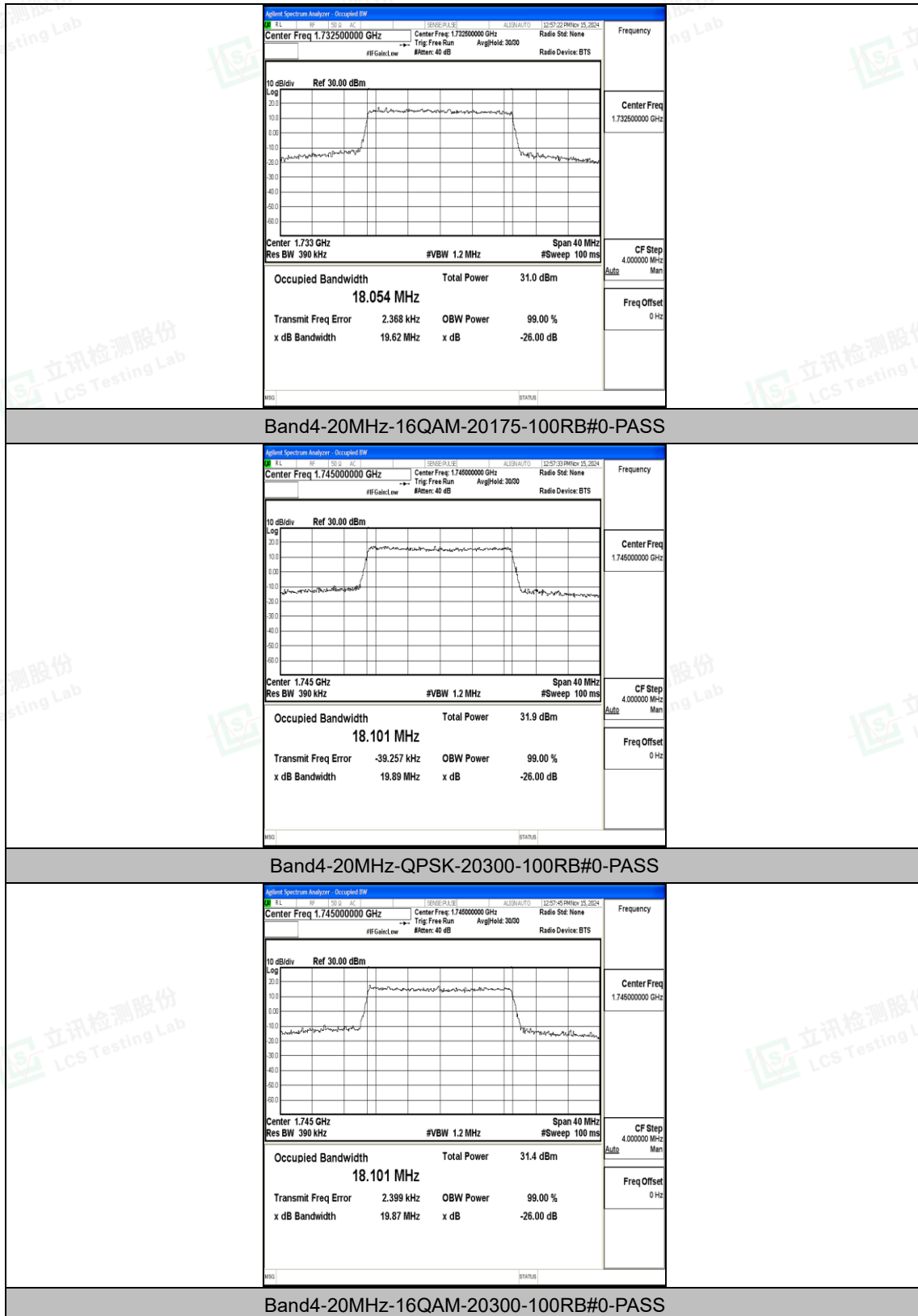
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## C.4 Band Edge

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Peak Frequency | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|----------------|-------------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | 1709.99        | -32.21      | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | 1710.00        | -32.47      | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0            | 1755.00        | -30.17      | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | 1755.02        | -30.34      | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0           | 1710.00        | -22.51      | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 15RB#0           | 1710.00        | -25.19      | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 15RB#0           | 1755.01        | -23.99      | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 15RB#0           | 1755.00        | -24.59      | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 25RB#0           | 1710.00        | -30.04      | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 25RB#0           | 1709.98        | -31.59      | PASS    |
| Band4 | 5MHz      | QPSK       | 20375   | 25RB#0           | 1755.00        | -29.11      | PASS    |
| Band4 | 5MHz      | 16QAM      | 20375   | 25RB#0           | 1755.00        | -29.35      | PASS    |
| Band4 | 10MHz     | QPSK       | 20000   | 50RB#0           | 1709.98        | -32.34      | PASS    |
| Band4 | 10MHz     | 16QAM      | 20000   | 50RB#0           | 1709.98        | -35.36      | PASS    |
| Band4 | 10MHz     | QPSK       | 20350   | 50RB#0           | 1755.01        | -28.93      | PASS    |
| Band4 | 10MHz     | 16QAM      | 20350   | 50RB#0           | 1755.01        | -30.28      | PASS    |
| Band4 | 15MHz     | QPSK       | 20025   | 75RB#0           | 1709.99        | -32.08      | PASS    |
| Band4 | 15MHz     | 16QAM      | 20025   | 75RB#0           | 1709.93        | -34.56      | PASS    |
| Band4 | 15MHz     | QPSK       | 20325   | 75RB#0           | 1755.02        | -25.81      | PASS    |
| Band4 | 15MHz     | 16QAM      | 20325   | 75RB#0           | 1755.10        | -28.87      | PASS    |
| Band4 | 20MHz     | QPSK       | 20050   | 100RB#0          | 1709.90        | -33.70      | PASS    |
| Band4 | 20MHz     | 16QAM      | 20050   | 100RB#0          | 1709.99        | -35.36      | PASS    |
| Band4 | 20MHz     | QPSK       | 20300   | 100RB#0          | 1755.10        | -27.10      | PASS    |
| Band4 | 20MHz     | 16QAM      | 20300   | 100RB#0          | 1755.06        | -29.23      | PASS    |



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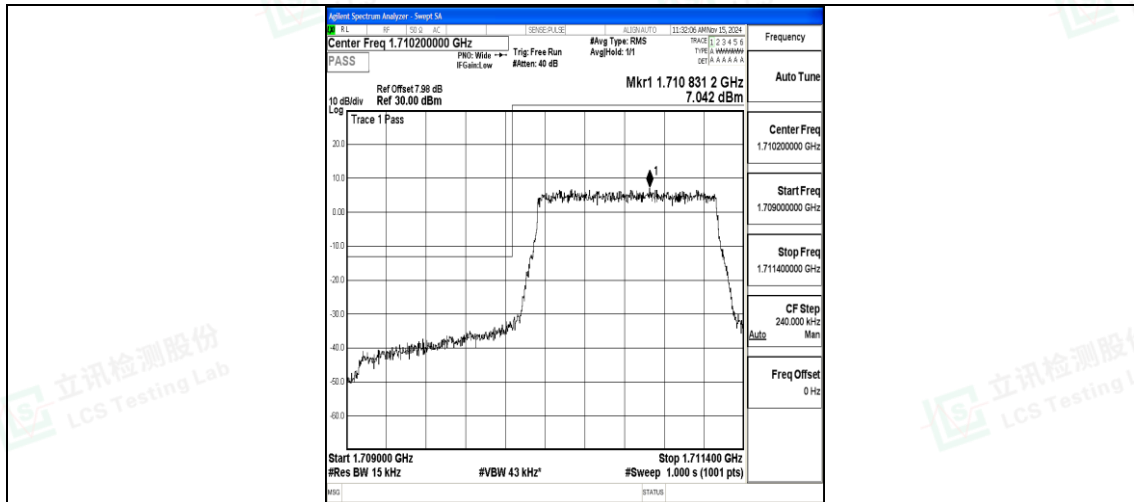
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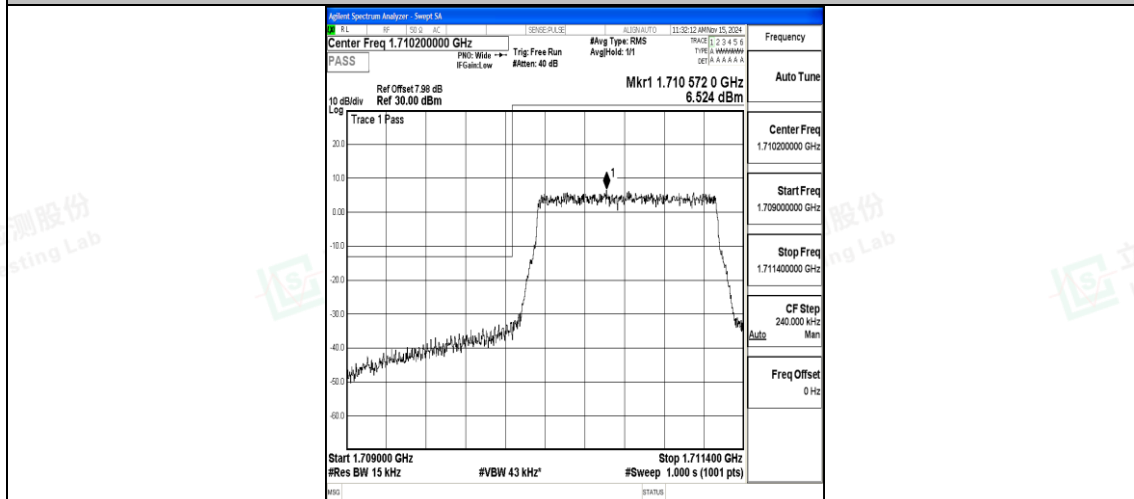
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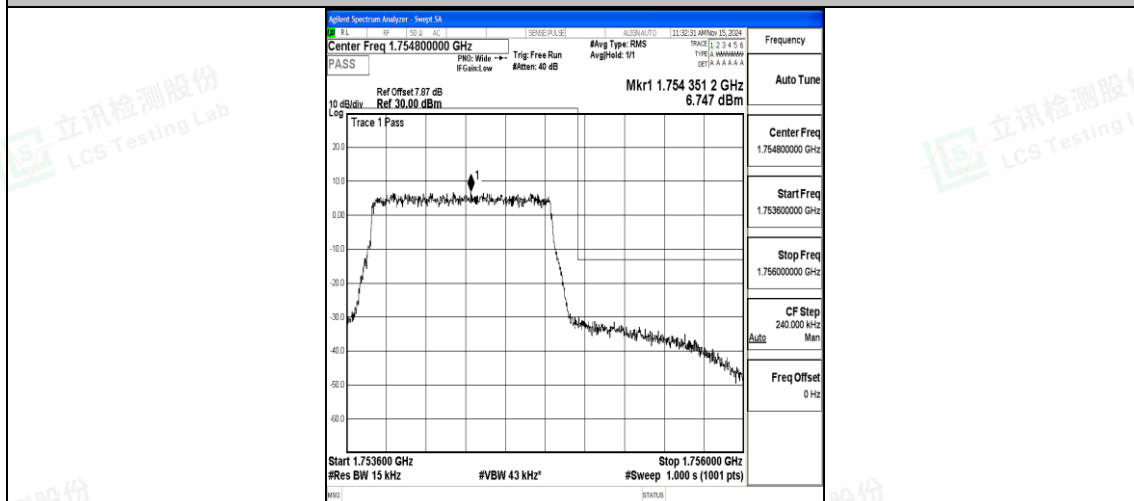
## Test Graphs



Band4\_1.4MHz\_QPSK\_19957\_6RB#0



Band4\_1.4MHz\_16QAM\_19957\_6RB#0



Band4\_1.4MHz\_QPSK\_20393\_6RB#0



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