



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

Product Name: GNSS Receiver

Test Model: Mars

### Environmental Conditions

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



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## E.1 Conducted Power Output Data

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#0            | 22.37       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#0            | 21.47       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#2            | 22.31       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#2            | 21.65       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#5            | 22.37       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#5            | 21.47       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 3RB#0            | 22.50       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 3RB#0            | 21.35       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 3RB#1            | 22.47       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 3RB#1            | 21.34       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 3RB#3            | 22.52       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 3RB#3            | 21.33       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | 21.42       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | 20.47       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#0            | 22.25       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#0            | 21.40       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#2            | 22.37       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#2            | 21.49       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#5            | 22.24       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#5            | 21.38       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 3RB#0            | 22.30       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 3RB#0            | 21.24       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 3RB#1            | 22.31       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 3RB#1            | 21.25       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 3RB#3            | 22.39       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 3RB#3            | 21.28       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0            | 21.34       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | 20.21       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#0            | 22.66       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#0            | 21.74       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#2            | 22.81       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#2            | 21.91       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#5            | 22.64       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#5            | 21.72       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 3RB#0            | 22.73       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 3RB#0            | 21.64       | PASS    |



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|       |        |       |       |        |       |      |
|-------|--------|-------|-------|--------|-------|------|
| Band4 | 1.4MHz | QPSK  | 20393 | 3RB#1  | 22.74 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#1  | 21.59 | PASS |
| Band4 | 1.4MHz | QPSK  | 20393 | 3RB#3  | 22.72 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#3  | 21.60 | PASS |
| Band4 | 1.4MHz | QPSK  | 20393 | 6RB#0  | 21.73 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0  | 20.77 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 1RB#0  | 22.36 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 1RB#0  | 21.58 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 1RB#8  | 22.38 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 1RB#8  | 21.58 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 1RB#14 | 22.36 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 1RB#14 | 21.57 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 8RB#0  | 21.40 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 8RB#0  | 20.47 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 8RB#4  | 21.40 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 8RB#4  | 20.50 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 8RB#7  | 21.44 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 8RB#7  | 20.52 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 15RB#0 | 21.39 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 15RB#0 | 20.44 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 1RB#0  | 22.28 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 1RB#0  | 21.49 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 1RB#8  | 22.31 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 1RB#8  | 21.47 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 1RB#14 | 22.25 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 1RB#14 | 21.37 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 8RB#0  | 21.31 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 8RB#0  | 20.31 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 8RB#4  | 21.33 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 8RB#4  | 20.35 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 8RB#7  | 21.28 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 8RB#7  | 20.32 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 15RB#0 | 21.33 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 15RB#0 | 20.22 | PASS |
| Band4 | 3MHz   | QPSK  | 20385 | 1RB#0  | 22.61 | PASS |
| Band4 | 3MHz   | 16QAM | 20385 | 1RB#0  | 21.82 | PASS |
| Band4 | 3MHz   | QPSK  | 20385 | 1RB#8  | 22.60 | PASS |
| Band4 | 3MHz   | 16QAM | 20385 | 1RB#8  | 21.79 | PASS |
| Band4 | 3MHz   | QPSK  | 20385 | 1RB#14 | 22.66 | PASS |
| Band4 | 3MHz   | 16QAM | 20385 | 1RB#14 | 21.80 | PASS |



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|-------|------|-------|-------|---------|-------|------|
| Band4 | 3MHz | QPSK  | 20385 | 8RB#0   | 21.69 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#0   | 20.72 | PASS |
| Band4 | 3MHz | QPSK  | 20385 | 8RB#4   | 21.67 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#4   | 20.72 | PASS |
| Band4 | 3MHz | QPSK  | 20385 | 8RB#7   | 21.70 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#7   | 20.75 | PASS |
| Band4 | 3MHz | QPSK  | 20385 | 15RB#0  | 21.69 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0  | 20.70 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 1RB#0   | 22.36 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0   | 21.38 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 1RB#12  | 22.48 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#12  | 21.47 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 1RB#24  | 22.37 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#24  | 21.35 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 12RB#0  | 21.39 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#0  | 20.37 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 12RB#6  | 21.37 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#6  | 20.36 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 12RB#13 | 21.41 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#13 | 20.44 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 25RB#0  | 21.42 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0  | 20.45 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 1RB#0   | 22.24 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#0   | 21.44 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 1RB#12  | 22.34 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#12  | 21.58 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 1RB#24  | 22.22 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#24  | 21.42 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 12RB#0  | 21.30 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#0  | 20.32 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 12RB#6  | 21.29 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#6  | 20.33 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 12RB#13 | 21.34 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#13 | 20.33 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 25RB#0  | 21.33 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 25RB#0  | 20.30 | PASS |
| Band4 | 5MHz | QPSK  | 20375 | 1RB#0   | 22.55 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#0   | 21.52 | PASS |
| Band4 | 5MHz | QPSK  | 20375 | 1RB#12  | 22.73 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#12  | 21.74 | PASS |



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|-------|-------|-------|-------|---------|-------|------|
| Band4 | 5MHz  | QPSK  | 20375 | 1RB#24  | 22.62 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 1RB#24  | 21.63 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 12RB#0  | 21.68 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 12RB#0  | 20.68 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 12RB#6  | 21.68 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 12RB#6  | 20.63 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 12RB#13 | 21.68 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 12RB#13 | 20.64 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 25RB#0  | 21.70 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 25RB#0  | 20.72 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#0   | 22.38 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0   | 21.61 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#24  | 22.56 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#24  | 21.71 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#49  | 22.35 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#49  | 21.61 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 25RB#0  | 21.48 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#0  | 20.48 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 25RB#12 | 21.47 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#12 | 20.45 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 25RB#25 | 21.48 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#25 | 20.54 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 50RB#0  | 21.44 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0  | 20.45 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#0   | 22.28 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0   | 21.48 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#24  | 22.35 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#24  | 21.56 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#49  | 22.26 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#49  | 21.42 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 25RB#0  | 21.37 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#0  | 20.43 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 25RB#12 | 21.42 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#12 | 20.42 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 25RB#25 | 21.38 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#25 | 20.46 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 50RB#0  | 21.36 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0  | 20.37 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#0   | 22.44 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0   | 21.66 | PASS |



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|-------|-------|-------|-------|---------|-------|------|
| Band4 | 10MHz | QPSK  | 20350 | 1RB#24  | 22.68 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#24  | 21.84 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#49  | 22.64 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#49  | 21.79 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 25RB#0  | 21.64 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#0  | 20.62 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 25RB#12 | 21.62 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#12 | 20.62 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 25RB#25 | 21.67 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#25 | 20.67 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 50RB#0  | 21.68 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0  | 20.63 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#0   | 22.28 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0   | 21.44 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#38  | 22.36 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#38  | 21.56 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#74  | 22.16 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#74  | 21.34 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 38RB#0  | 21.43 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#0  | 21.49 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 38RB#18 | 21.44 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#18 | 21.45 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 38RB#37 | 21.44 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#37 | 21.45 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 75RB#0  | 21.44 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0  | 20.38 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#0   | 22.18 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0   | 21.48 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#38  | 22.28 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#38  | 21.54 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#74  | 22.24 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#74  | 21.52 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 38RB#0  | 21.40 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#0  | 21.40 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 38RB#18 | 21.35 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#18 | 21.41 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 38RB#37 | 21.38 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#37 | 21.37 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 75RB#0  | 21.38 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0  | 20.38 | PASS |



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|-------|-------|-------|-------|---------|-------|------|
| Band4 | 15MHz | QPSK  | 20325 | 1RB#0   | 22.26 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0   | 21.45 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#38  | 22.52 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#38  | 21.75 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#74  | 22.56 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#74  | 21.75 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 38RB#0  | 21.62 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#0  | 21.66 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 38RB#18 | 21.67 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#18 | 21.64 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 38RB#37 | 21.66 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#37 | 21.66 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 75RB#0  | 21.63 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0  | 20.51 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#0   | 22.23 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0   | 21.24 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#49  | 22.57 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#49  | 21.56 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#99  | 22.13 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#99  | 21.08 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 50RB#0  | 21.37 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#0  | 20.36 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 50RB#25 | 21.36 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#25 | 20.39 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 50RB#50 | 21.37 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#50 | 20.36 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 100RB#0 | 21.37 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | 20.35 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#0   | 22.18 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0   | 21.35 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#49  | 22.47 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#49  | 21.56 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#99  | 22.16 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#99  | 21.30 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 50RB#0  | 21.31 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#0  | 20.31 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 50RB#25 | 21.35 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#25 | 20.34 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 50RB#50 | 21.42 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#50 | 20.41 | PASS |



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|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band4 | 20MHz | QPSK  | 20175 | 100RB#0 | 21.35 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | 20.38 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#0   | 22.17 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0   | 21.18 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#49  | 22.61 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#49  | 21.65 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#99  | 22.49 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#99  | 21.51 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 50RB#0  | 21.40 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#0  | 20.39 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 50RB#25 | 21.42 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#25 | 20.42 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 50RB#50 | 21.55 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#50 | 20.57 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 100RB#0 | 21.50 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 20.50 | PASS |







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

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | 5.30       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | 6.01       | 13        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0            | 4.82       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | 5.64       | 13        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0            | 4.82       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | 5.63       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0           | 5.35       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 15RB#0           | 6.23       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 15RB#0           | 4.84       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 20175   | 15RB#0           | 5.75       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 15RB#0           | 4.85       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 15RB#0           | 5.68       | 13        | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 25RB#0           | 5.40       | 13        | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 25RB#0           | 6.18       | 13        | PASS    |
| Band4 | 5MHz      | QPSK       | 20175   | 25RB#0           | 4.96       | 13        | PASS    |
| Band4 | 5MHz      | 16QAM      | 20175   | 25RB#0           | 5.77       | 13        | PASS    |
| Band4 | 5MHz      | QPSK       | 20375   | 25RB#0           | 4.92       | 13        | PASS    |
| Band4 | 5MHz      | 16QAM      | 20375   | 25RB#0           | 5.80       | 13        | PASS    |
| Band4 | 10MHz     | QPSK       | 20000   | 50RB#0           | 5.49       | 13        | PASS    |
| Band4 | 10MHz     | 16QAM      | 20000   | 50RB#0           | 6.24       | 13        | PASS    |
| Band4 | 10MHz     | QPSK       | 20175   | 50RB#0           | 4.99       | 13        | PASS    |
| Band4 | 10MHz     | 16QAM      | 20175   | 50RB#0           | 5.83       | 13        | PASS    |
| Band4 | 10MHz     | QPSK       | 20350   | 50RB#0           | 4.97       | 13        | PASS    |
| Band4 | 10MHz     | 16QAM      | 20350   | 50RB#0           | 5.79       | 13        | PASS    |
| Band4 | 15MHz     | QPSK       | 20025   | 75RB#0           | 5.74       | 13        | PASS    |
| Band4 | 15MHz     | 16QAM      | 20025   | 75RB#0           | 6.37       | 13        | PASS    |
| Band4 | 15MHz     | QPSK       | 20175   | 75RB#0           | 5.41       | 13        | PASS    |
| Band4 | 15MHz     | 16QAM      | 20175   | 75RB#0           | 6.01       | 13        | PASS    |
| Band4 | 15MHz     | QPSK       | 20325   | 75RB#0           | 5.34       | 13        | PASS    |
| Band4 | 15MHz     | 16QAM      | 20325   | 75RB#0           | 5.98       | 13        | PASS    |
| Band4 | 20MHz     | QPSK       | 20050   | 100RB#0          | 5.52       | 13        | PASS    |
| Band4 | 20MHz     | 16QAM      | 20050   | 100RB#0          | 6.29       | 13        | PASS    |
| Band4 | 20MHz     | QPSK       | 20175   | 100RB#0          | 5.39       | 13        | PASS    |
| Band4 | 20MHz     | 16QAM      | 20175   | 100RB#0          | 6.05       | 13        | PASS    |
| Band4 | 20MHz     | QPSK       | 20300   | 100RB#0          | 5.25       | 13        | PASS    |
| Band4 | 20MHz     | 16QAM      | 20300   | 100RB#0          | 6.03       | 13        | PASS    |



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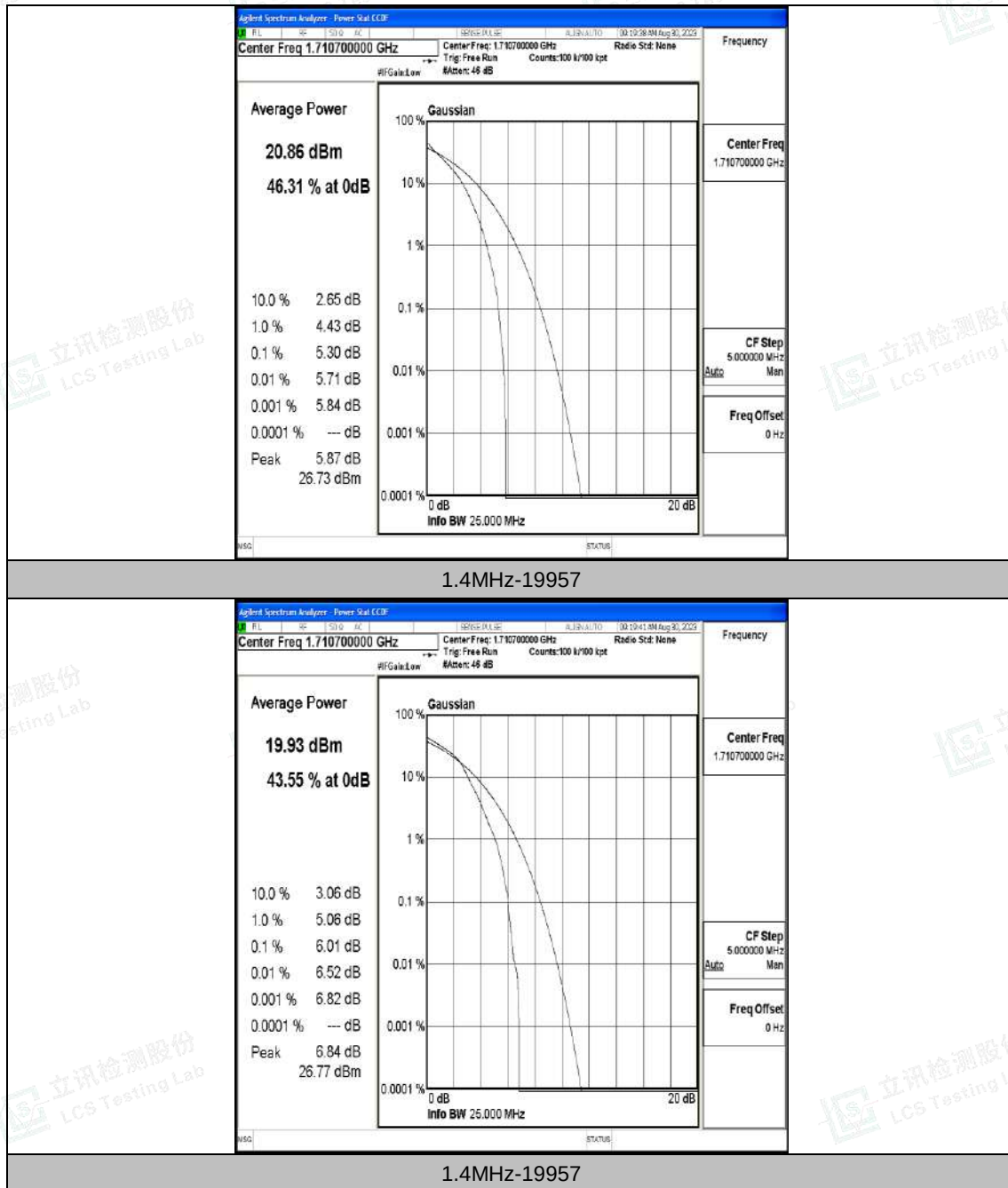
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## Test Graphs

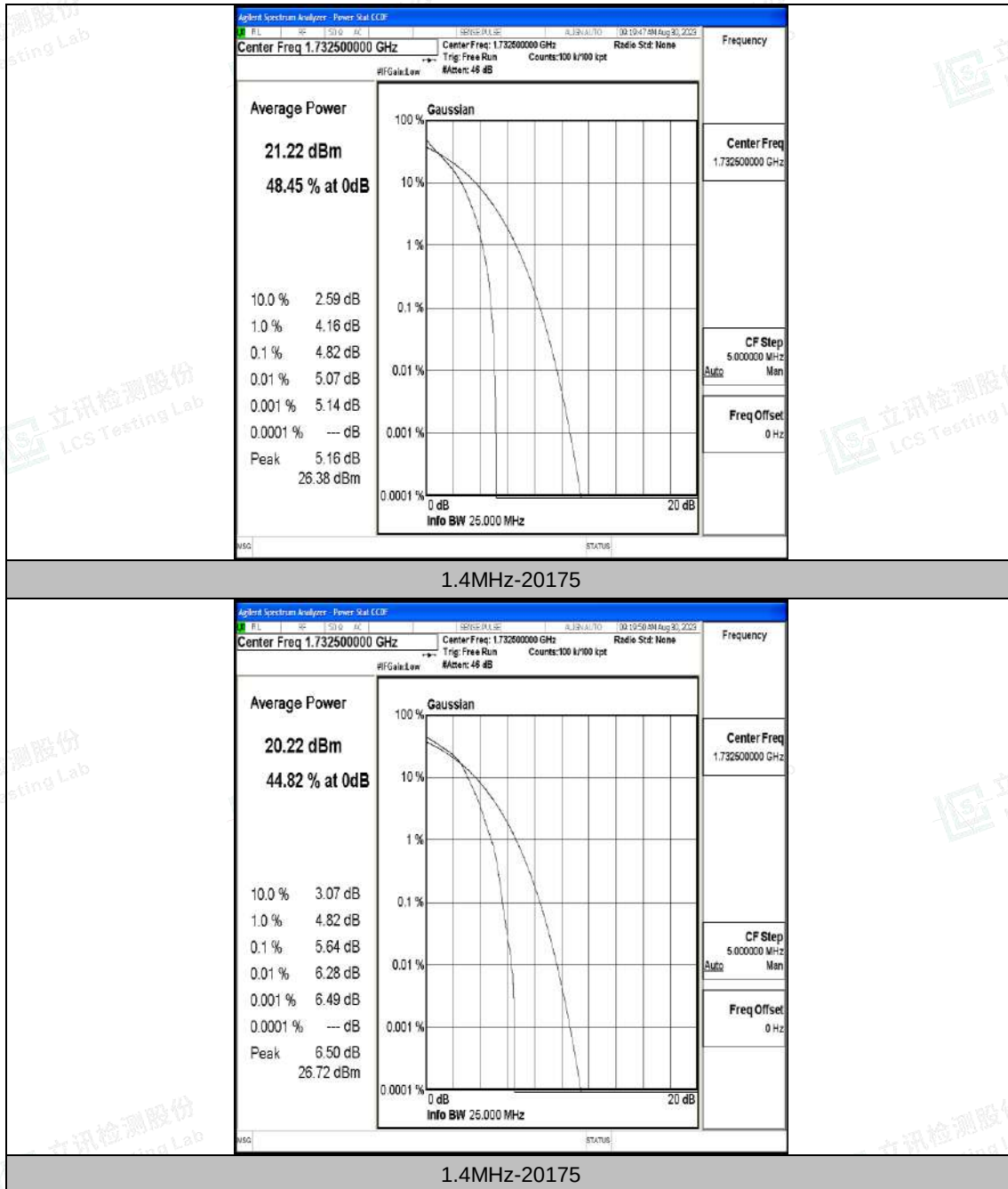


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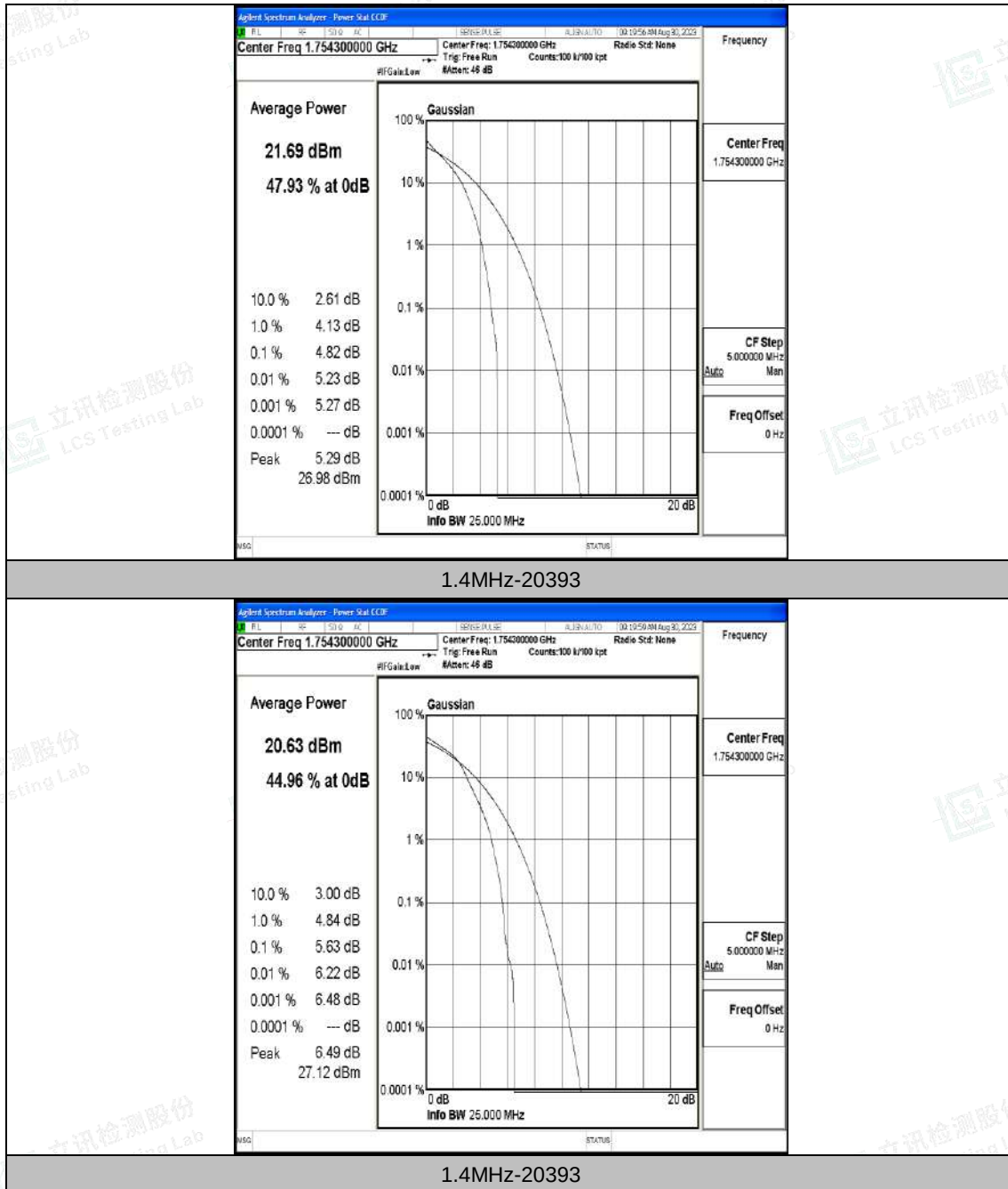


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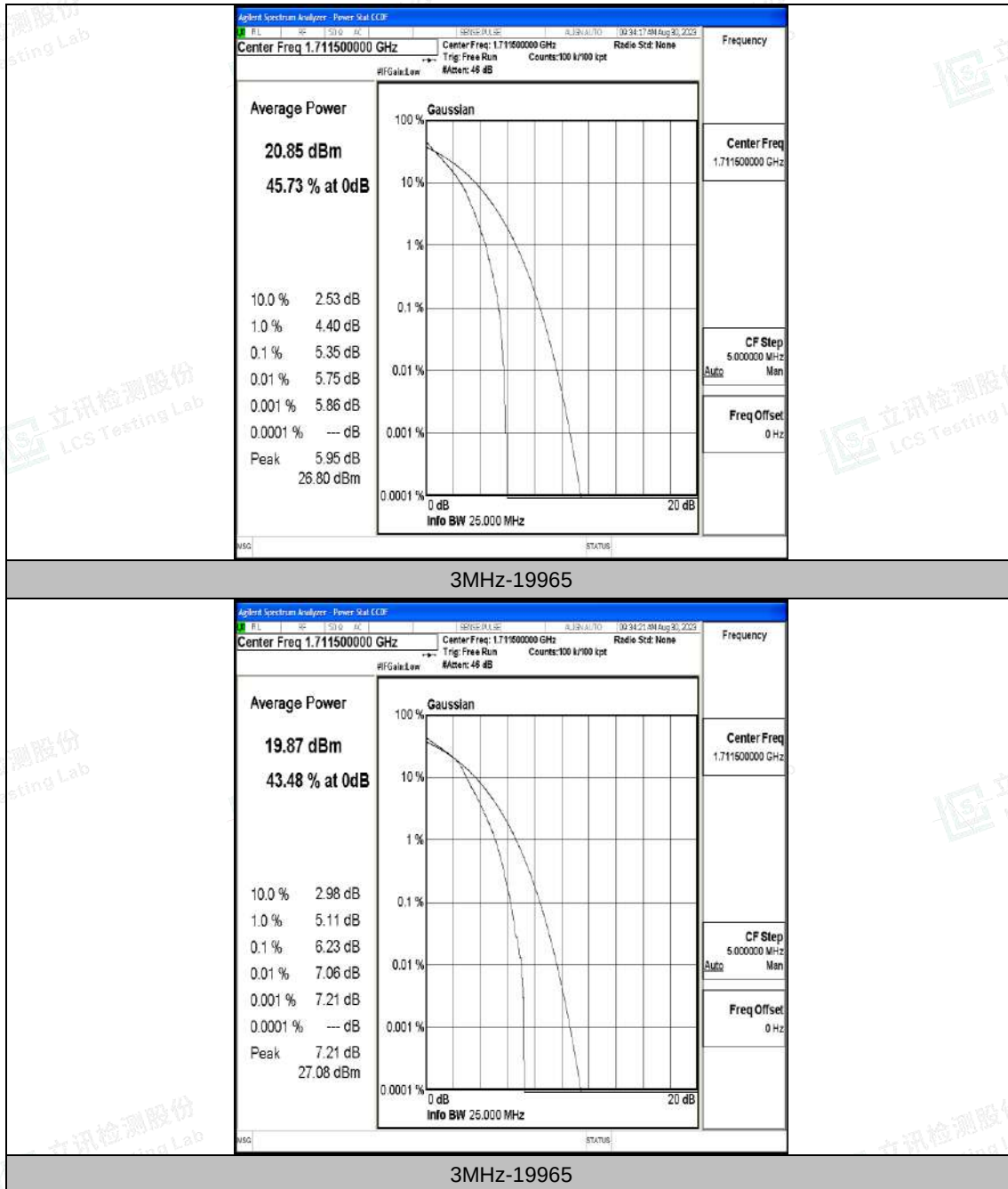


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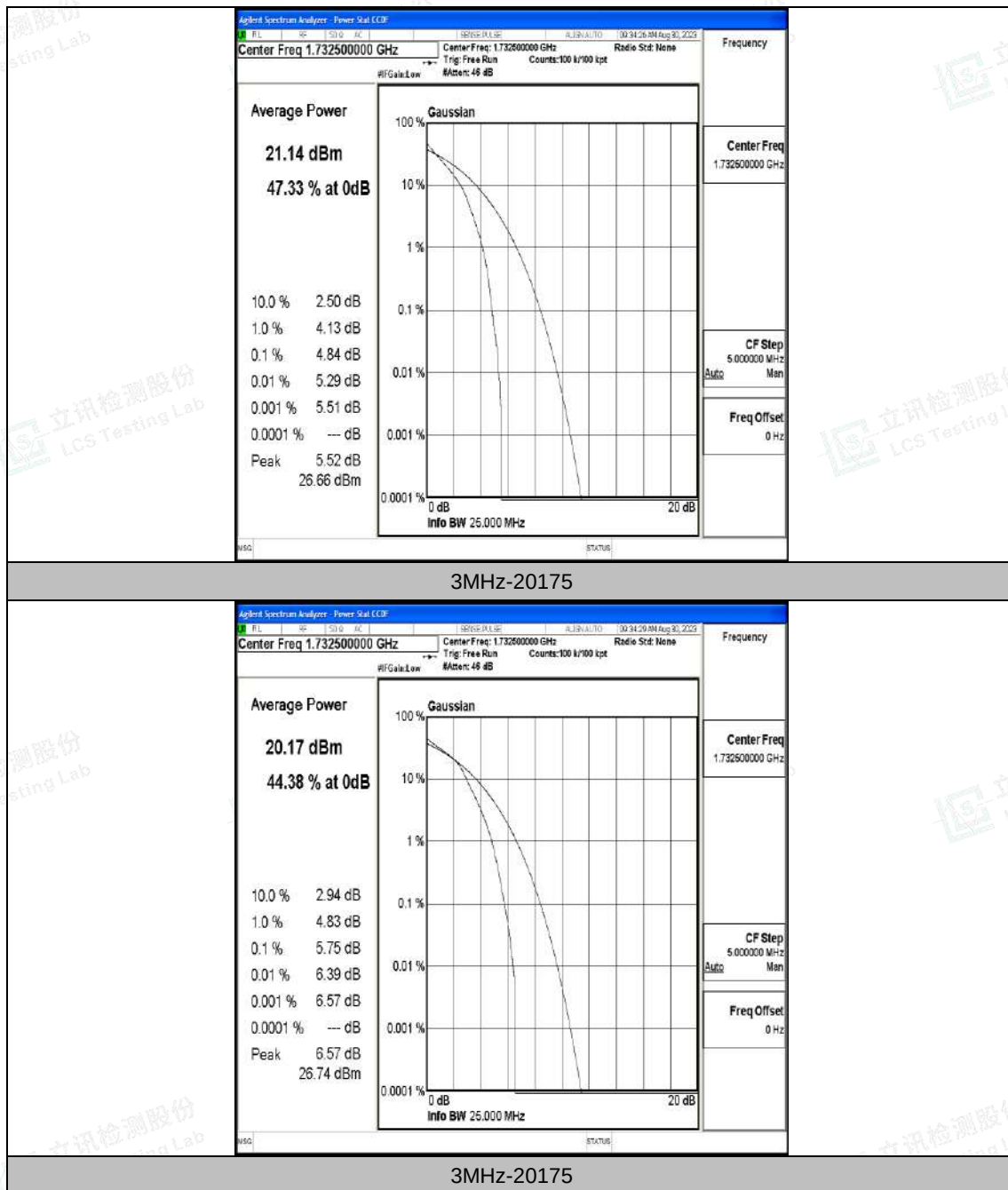
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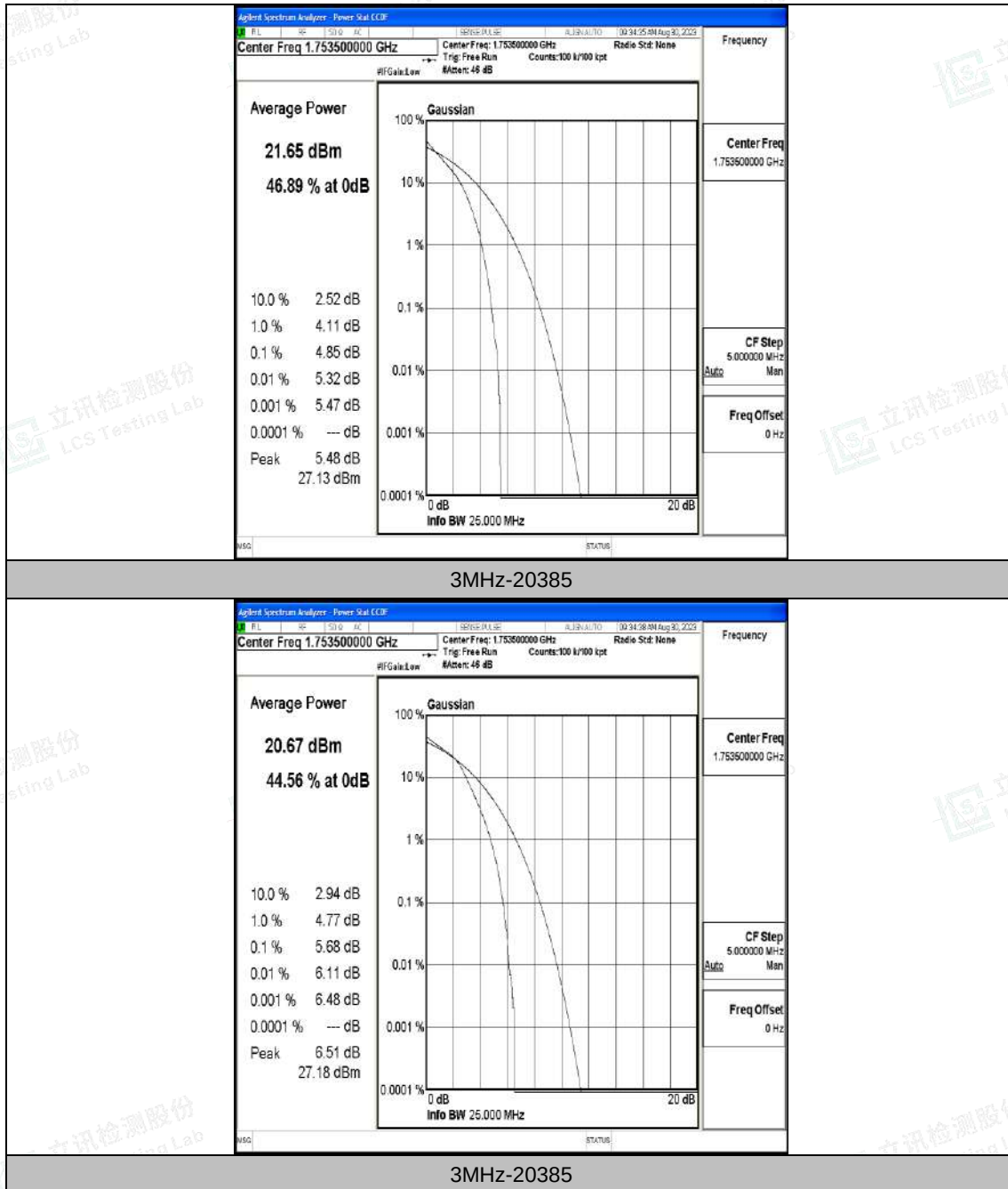


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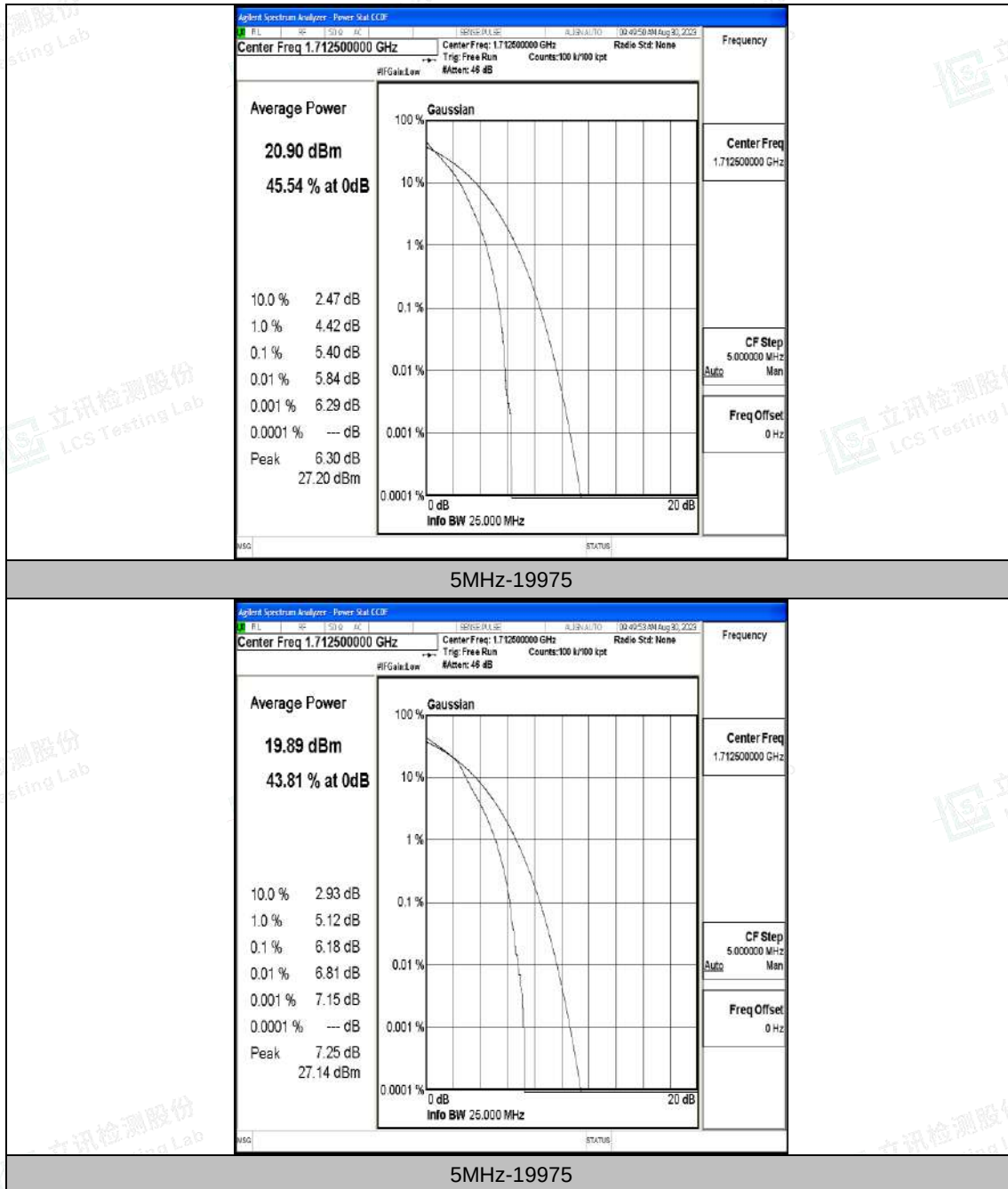


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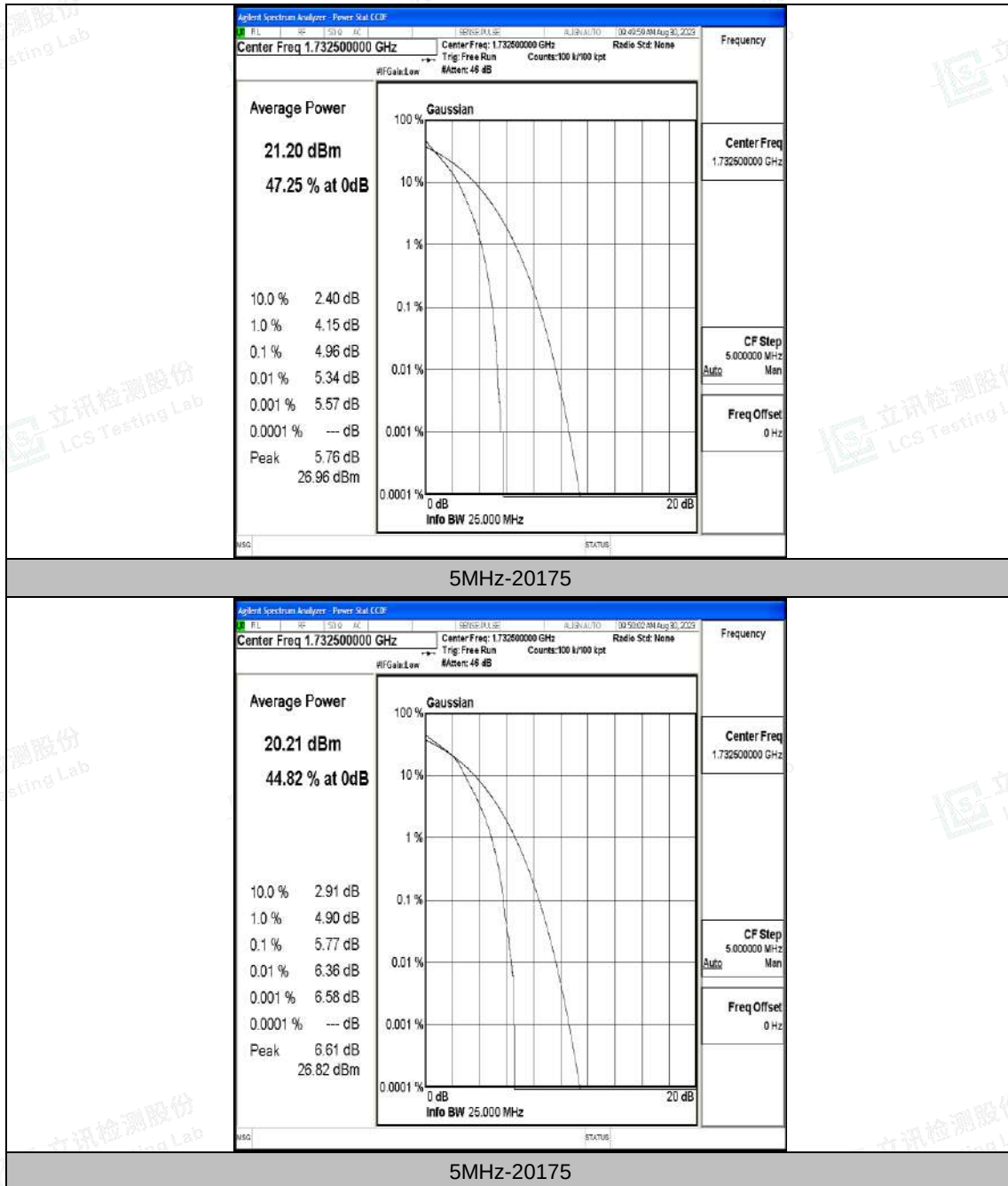


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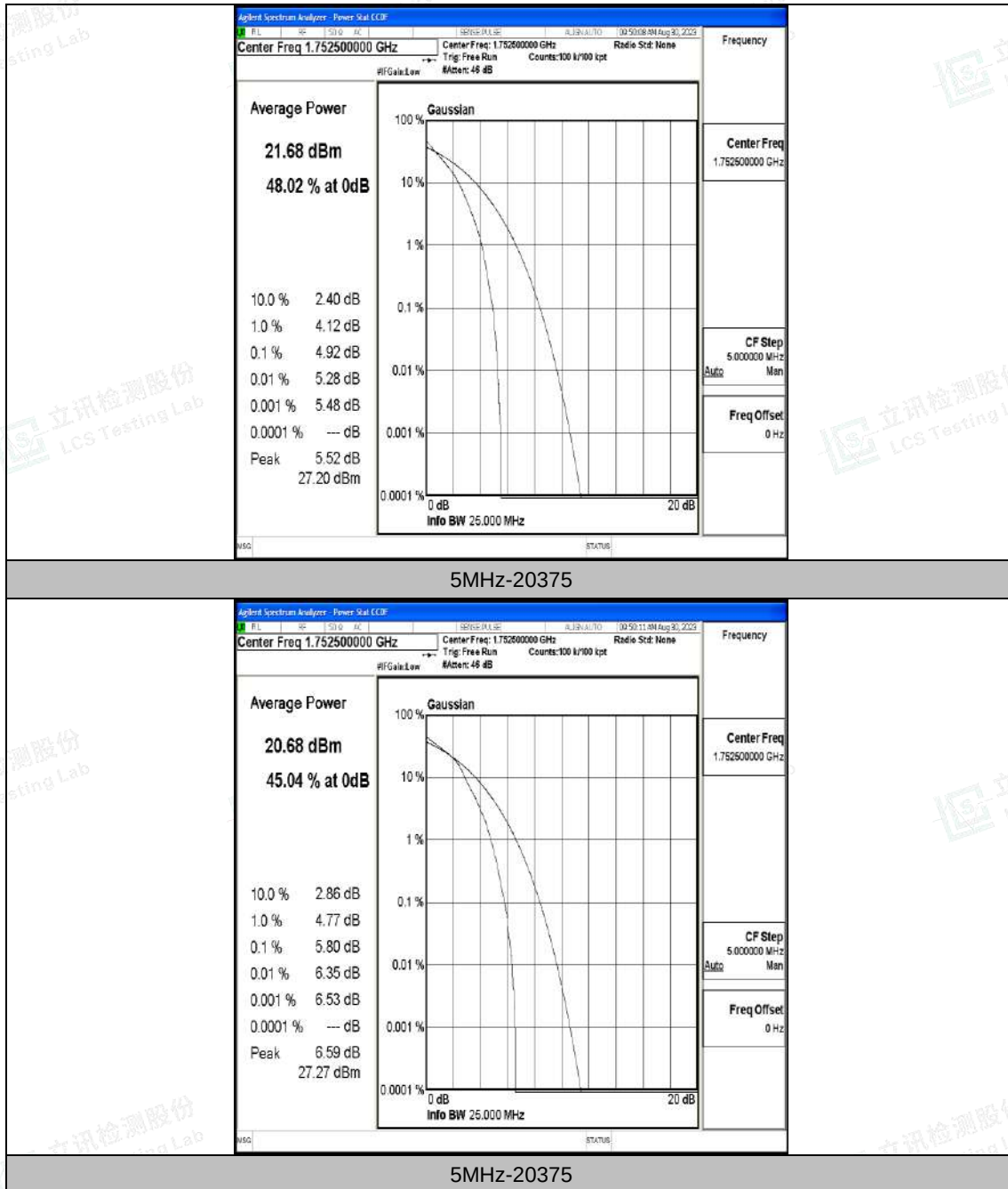


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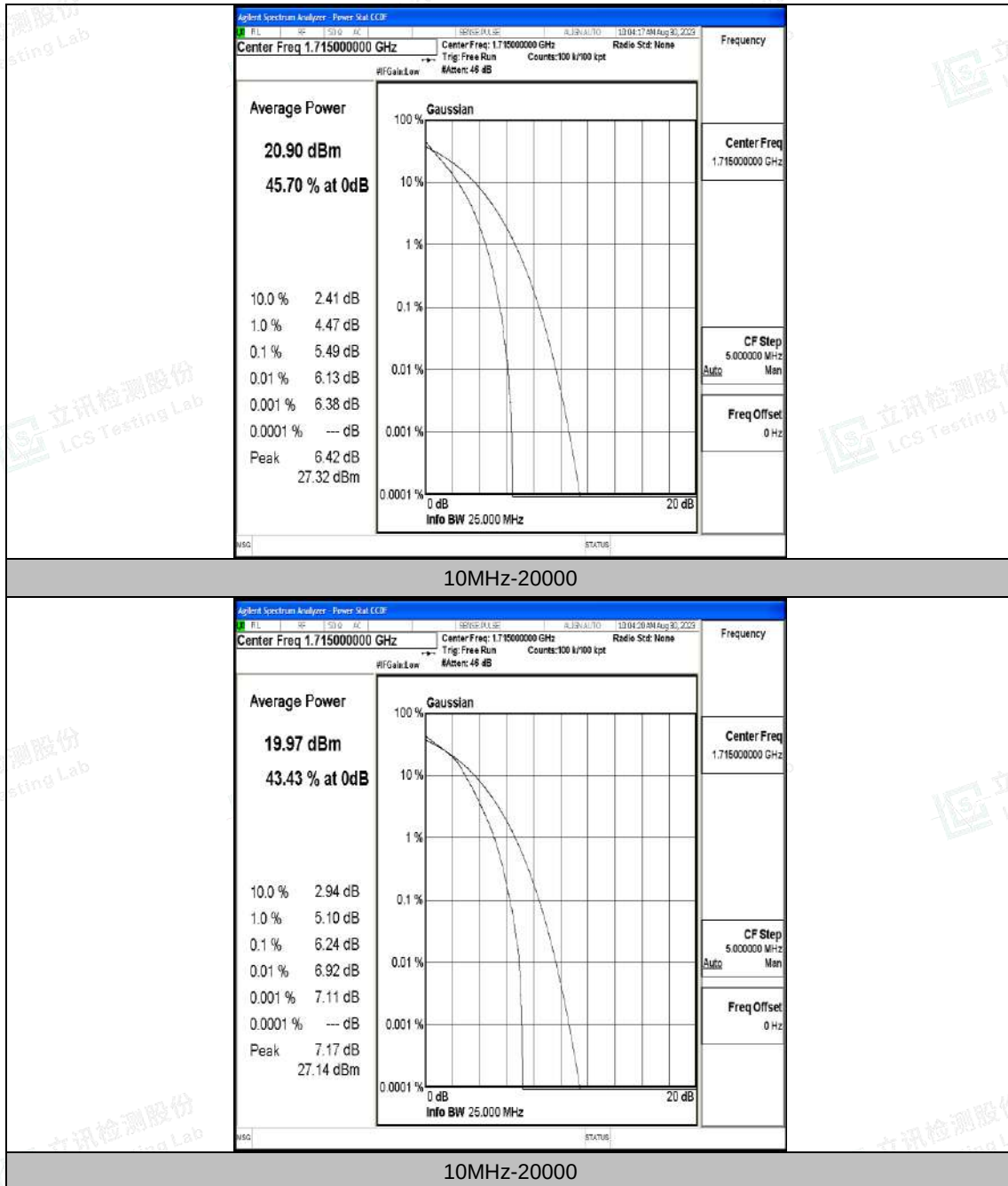
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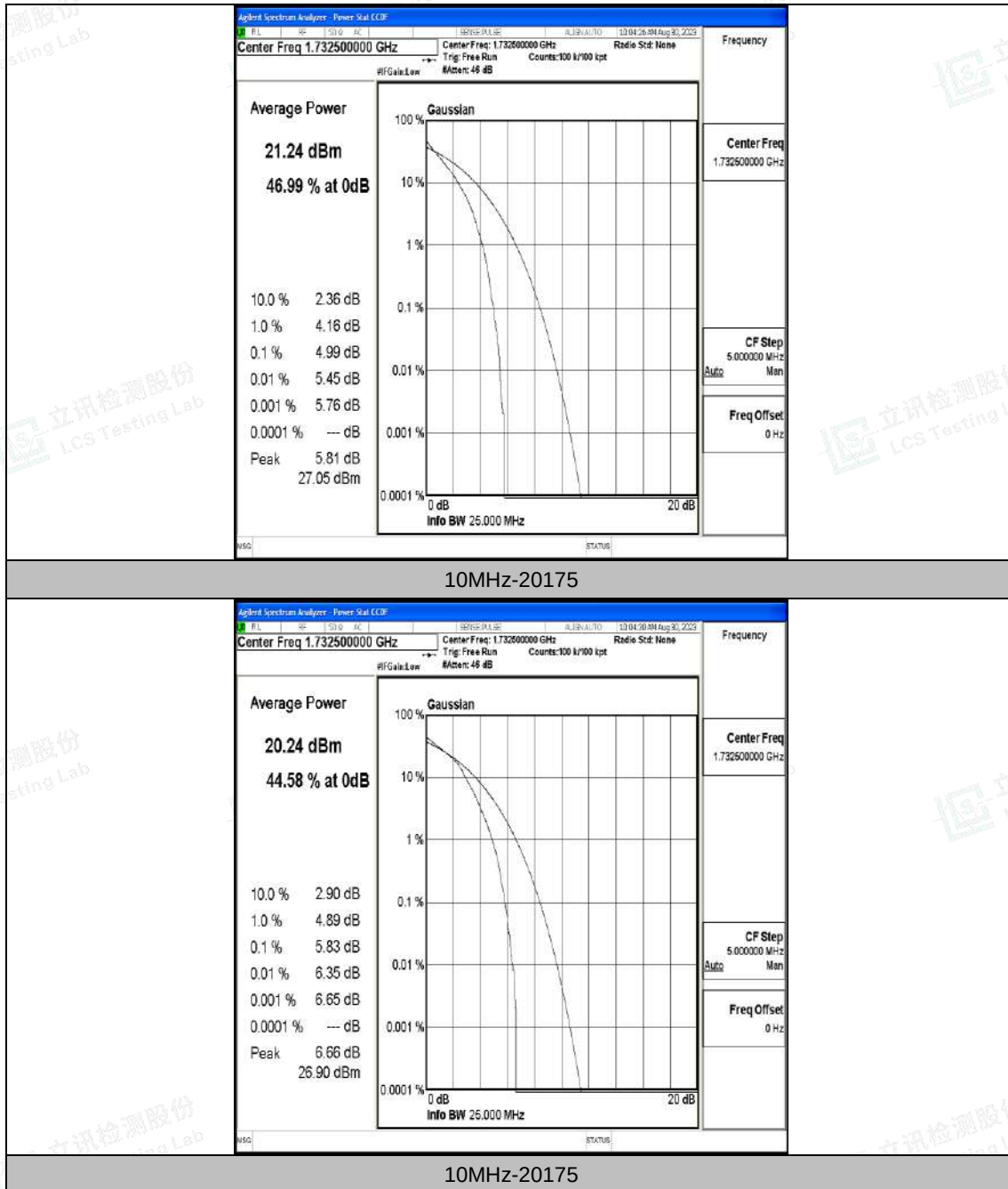


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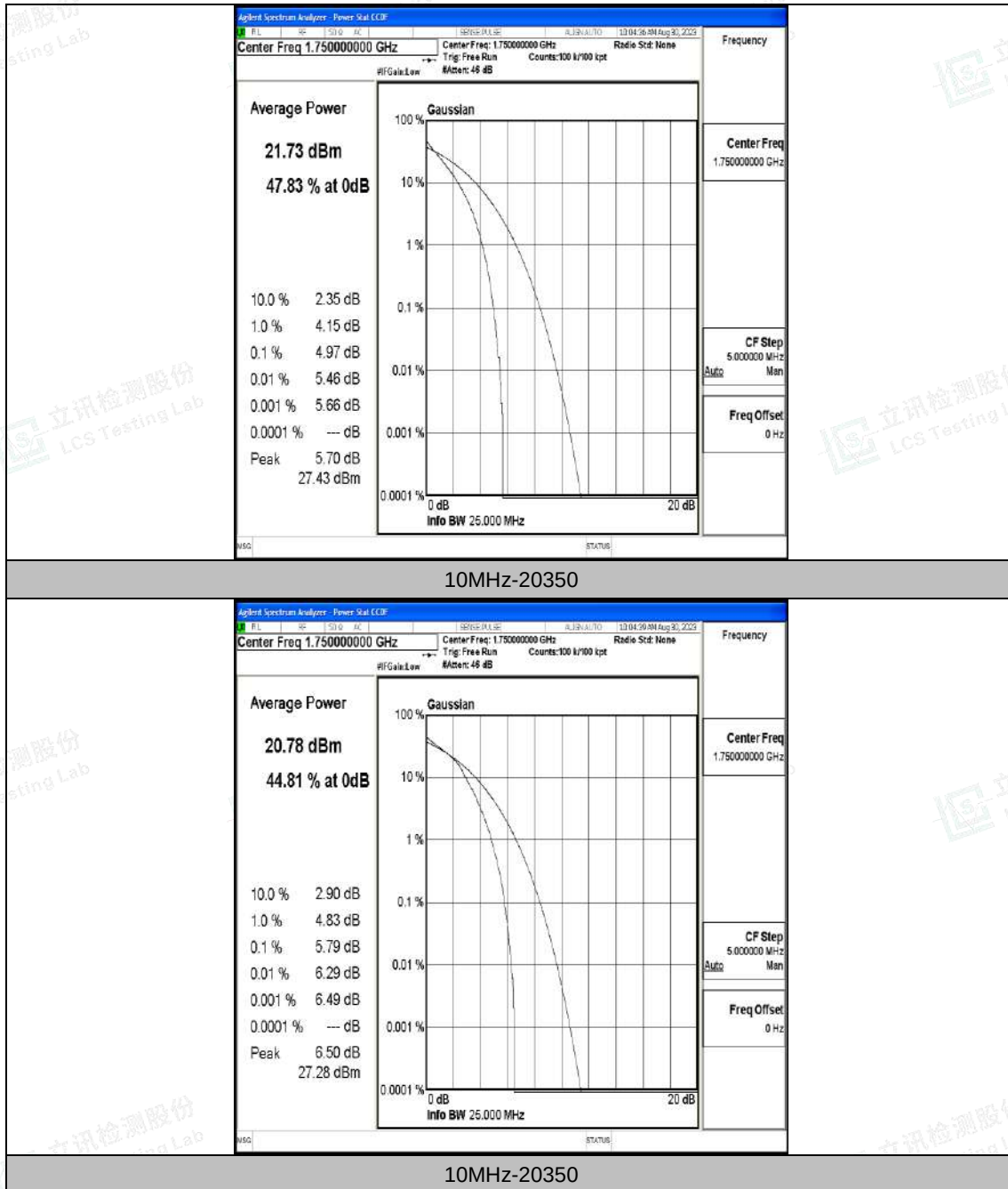


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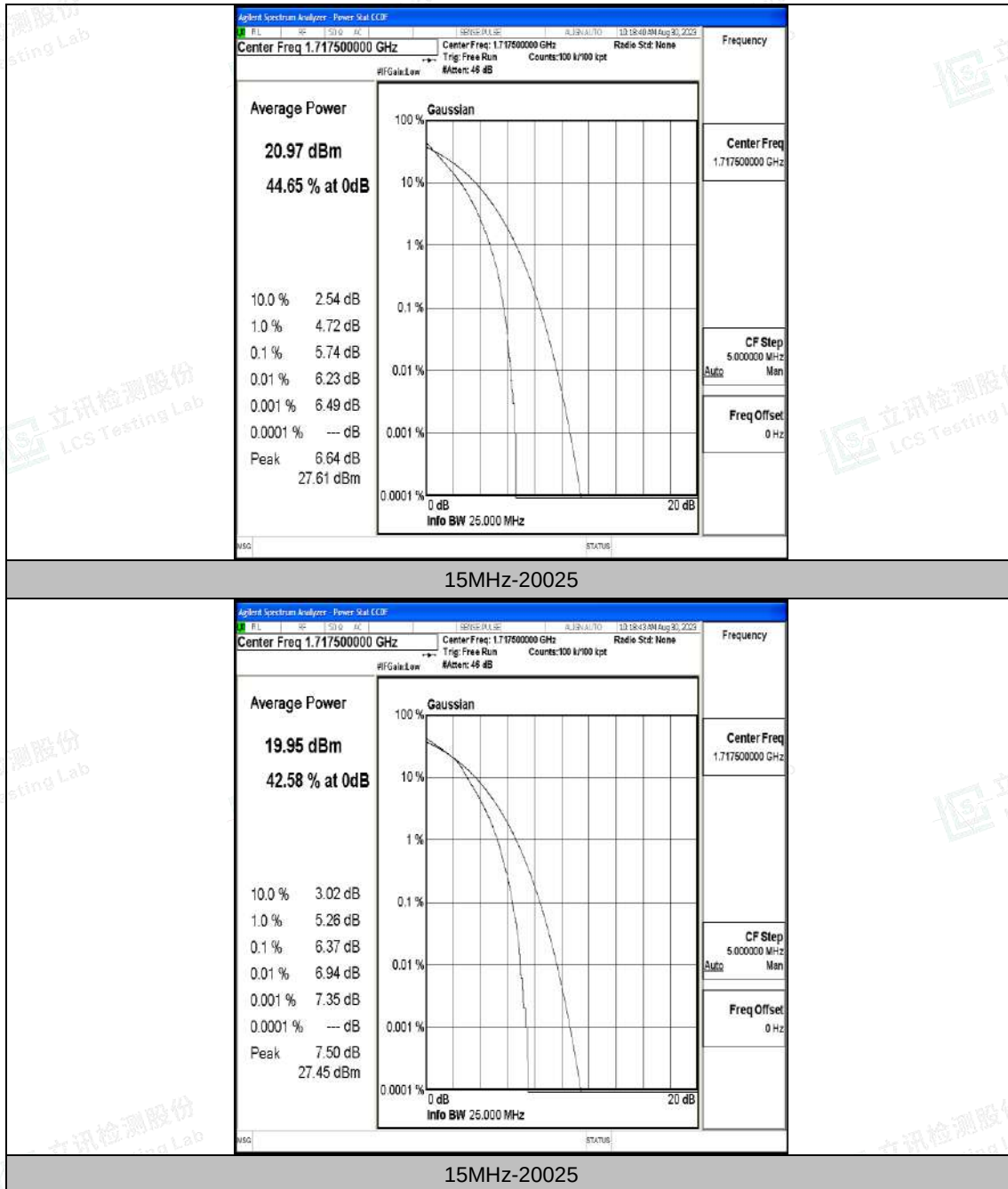


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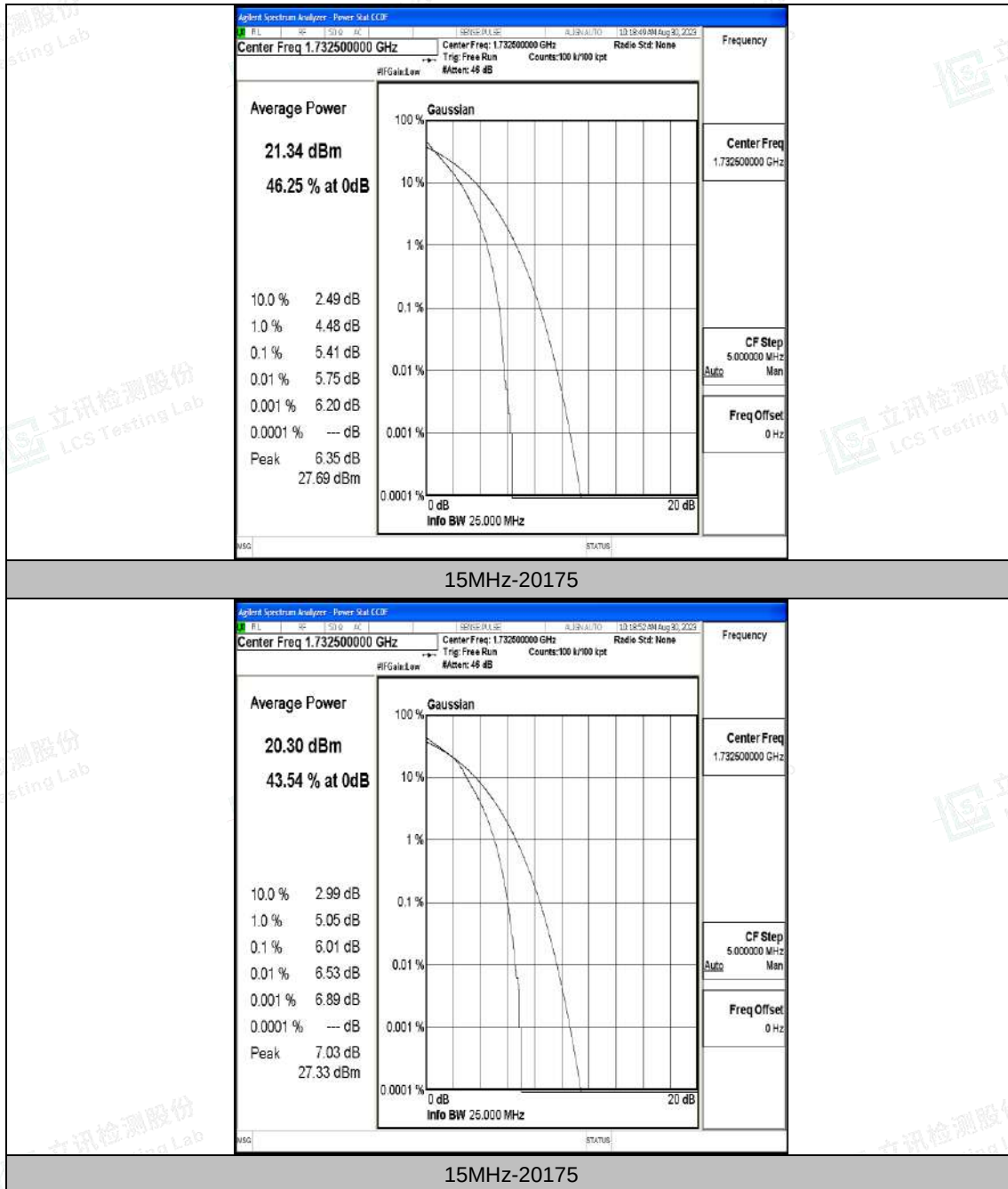


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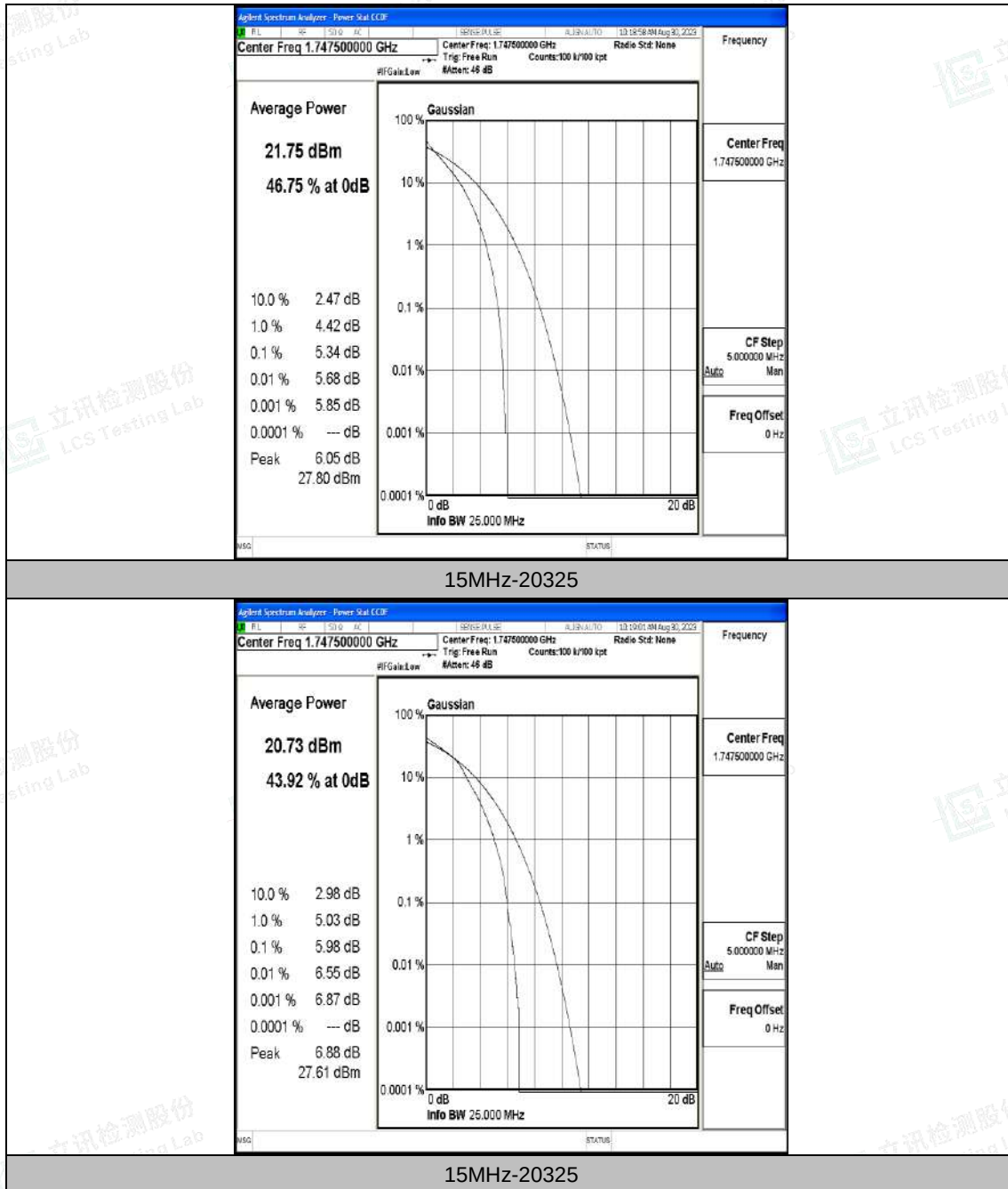


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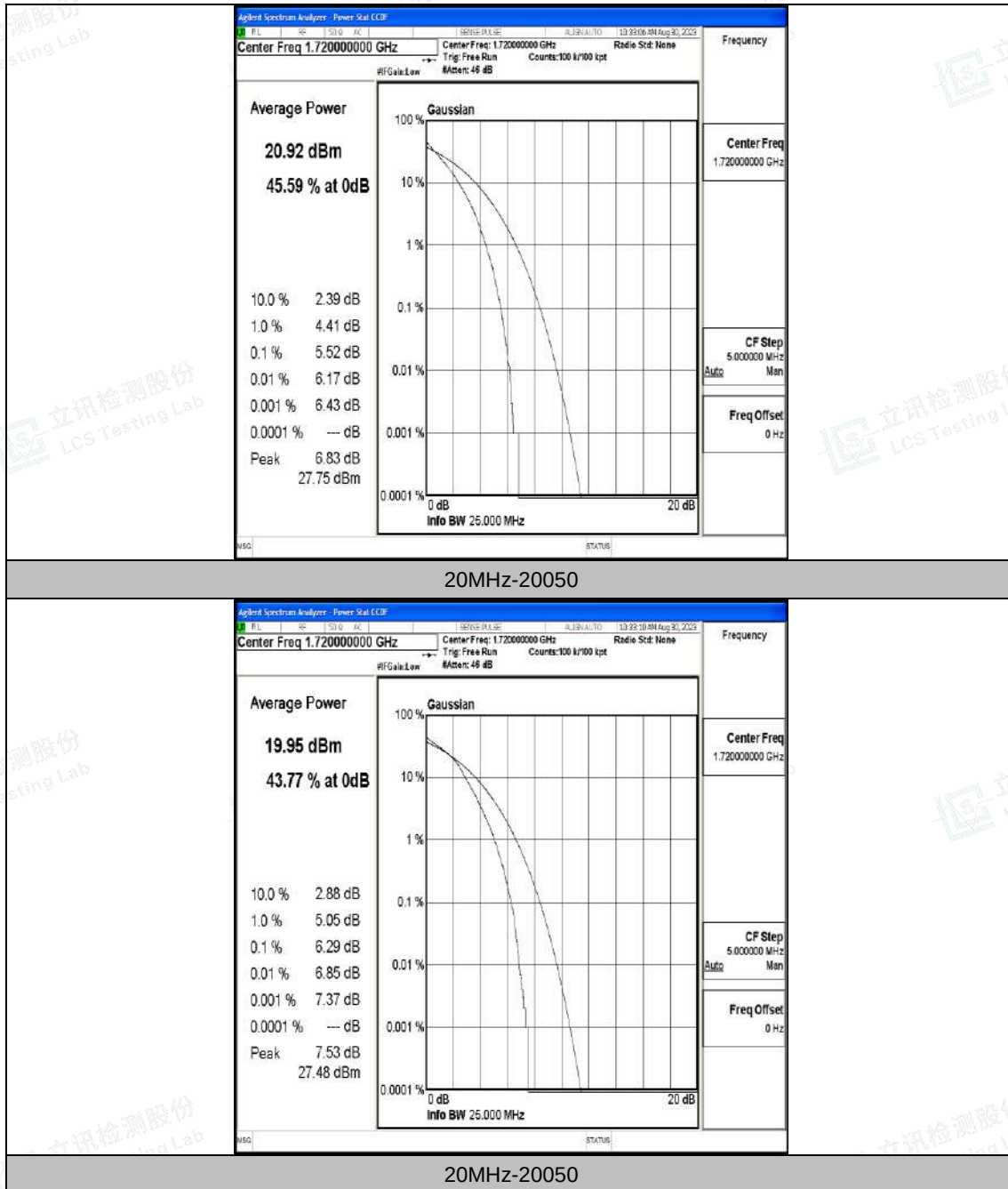
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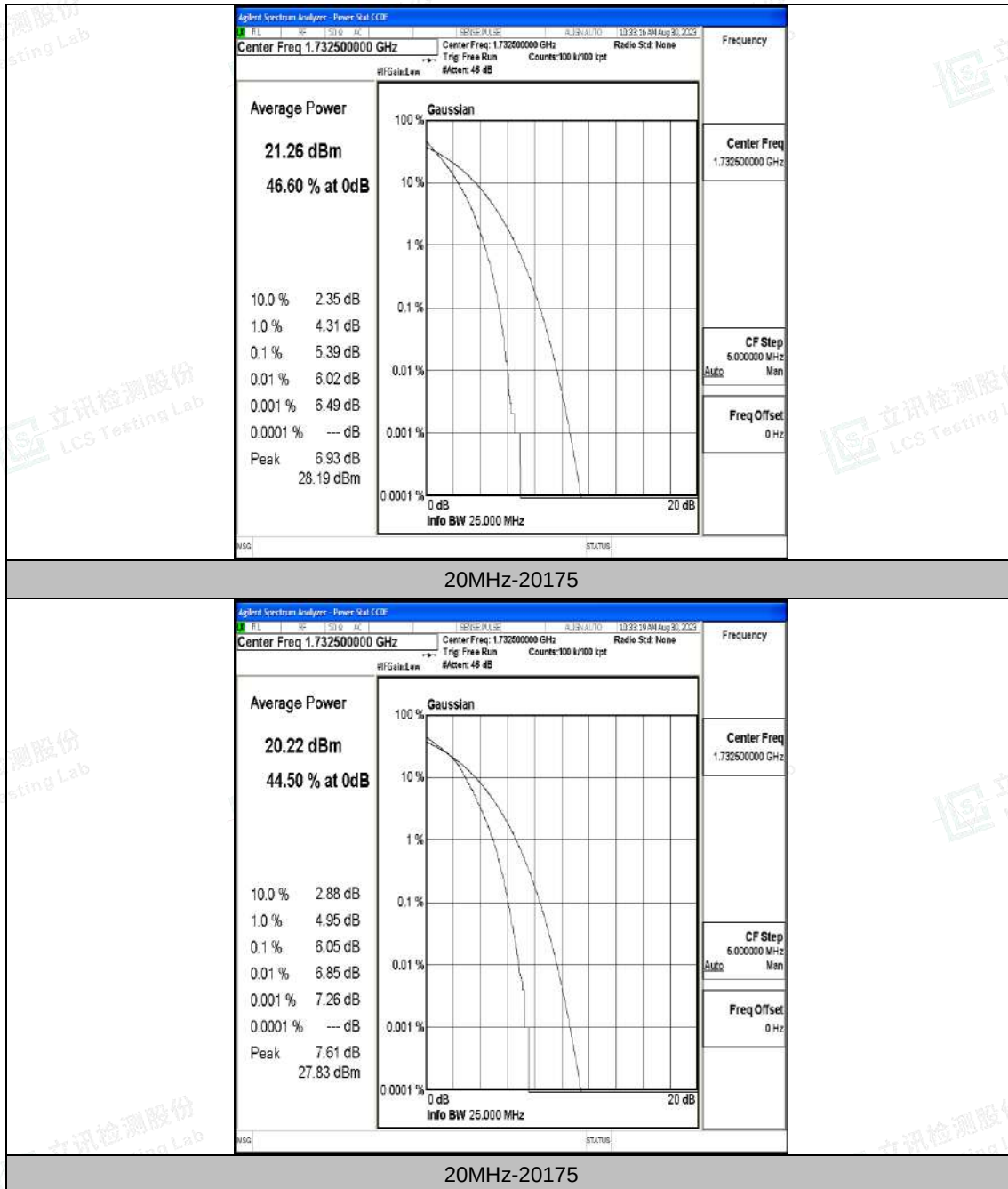


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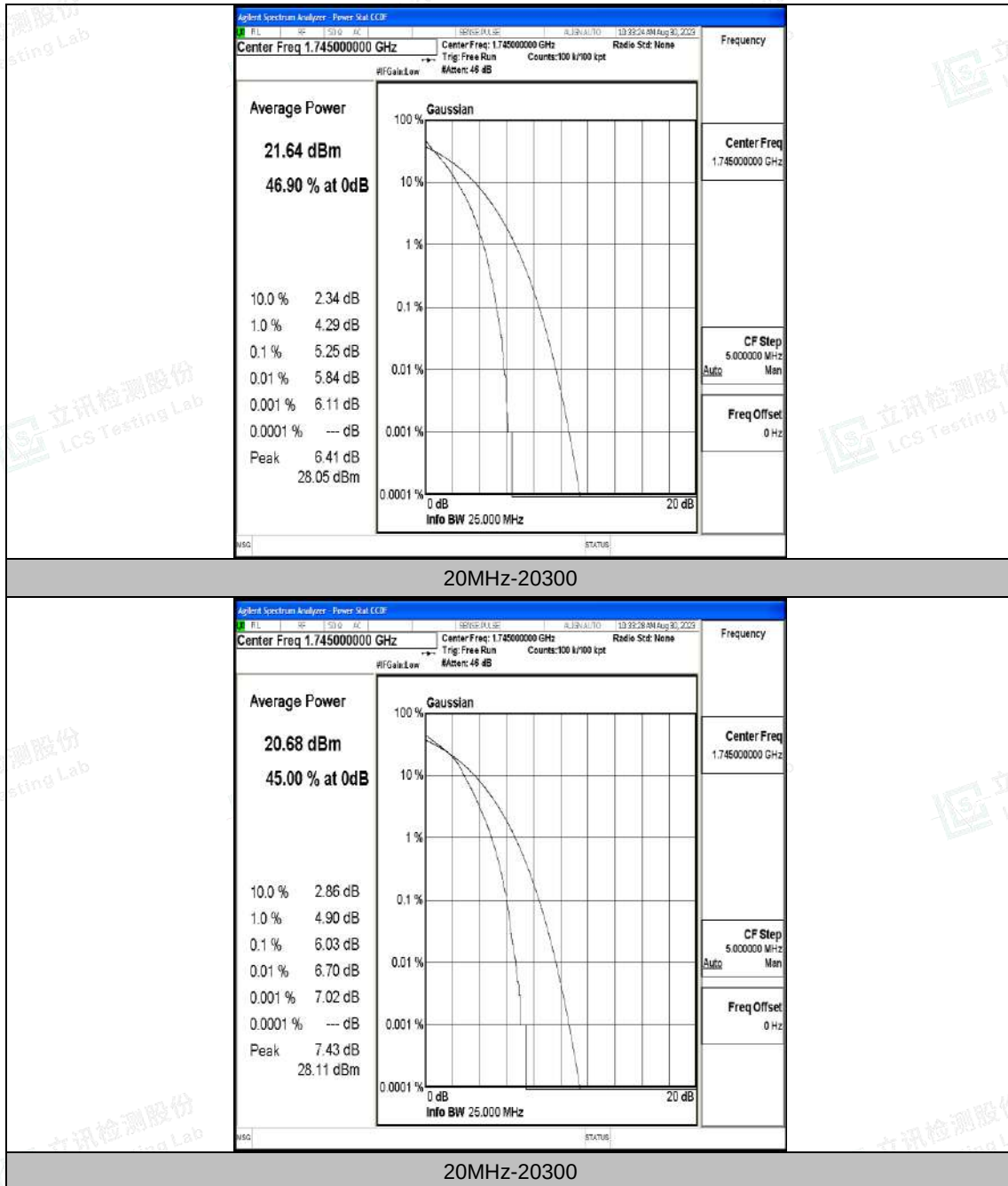


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### E.3 26dB Bandwidth and Occupied Bandwidth

#### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | 1.0926                   | 1.289                | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | 1.0944                   | 1.298                | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0            | 1.0821                   | 1.274                | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | 1.0980                   | 1.302                | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0            | 1.0912                   | 1.270                | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | 1.0984                   | 1.271                | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0           | 2.6899                   | 2.879                | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 15RB#0           | 2.6837                   | 2.887                | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 15RB#0           | 2.6854                   | 2.893                | PASS    |
| Band4 | 3MHz      | 16QAM      | 20175   | 15RB#0           | 2.6847                   | 2.883                | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 15RB#0           | 2.6911                   | 2.908                | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 15RB#0           | 2.6838                   | 2.892                | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 25RB#0           | 4.4901                   | 4.933                | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 25RB#0           | 4.4866                   | 4.882                | PASS    |
| Band4 | 5MHz      | QPSK       | 20175   | 25RB#0           | 4.4964                   | 4.902                | PASS    |
| Band4 | 5MHz      | 16QAM      | 20175   | 25RB#0           | 4.4904                   | 4.908                | PASS    |
| Band4 | 5MHz      | QPSK       | 20375   | 25RB#0           | 4.4954                   | 5.147                | PASS    |
| Band4 | 5MHz      | 16QAM      | 20375   | 25RB#0           | 4.5004                   | 4.955                | PASS    |
| Band4 | 10MHz     | QPSK       | 20000   | 50RB#0           | 8.9980                   | 9.802                | PASS    |
| Band4 | 10MHz     | 16QAM      | 20000   | 50RB#0           | 8.9732                   | 9.781                | PASS    |
| Band4 | 10MHz     | QPSK       | 20175   | 50RB#0           | 8.9911                   | 9.805                | PASS    |
| Band4 | 10MHz     | 16QAM      | 20175   | 50RB#0           | 8.9711                   | 9.728                | PASS    |
| Band4 | 10MHz     | QPSK       | 20350   | 50RB#0           | 8.9762                   | 9.720                | PASS    |
| Band4 | 10MHz     | 16QAM      | 20350   | 50RB#0           | 8.9883                   | 9.819                | PASS    |
| Band4 | 15MHz     | QPSK       | 20025   | 75RB#0           | 13.480                   | 14.70                | PASS    |
| Band4 | 15MHz     | 16QAM      | 20025   | 75RB#0           | 13.485                   | 14.62                | PASS    |
| Band4 | 15MHz     | QPSK       | 20175   | 75RB#0           | 13.473                   | 14.61                | PASS    |
| Band4 | 15MHz     | 16QAM      | 20175   | 75RB#0           | 13.505                   | 14.59                | PASS    |
| Band4 | 15MHz     | QPSK       | 20325   | 75RB#0           | 13.484                   | 14.69                | PASS    |
| Band4 | 15MHz     | 16QAM      | 20325   | 75RB#0           | 13.486                   | 14.57                | PASS    |
| Band4 | 20MHz     | QPSK       | 20050   | 100RB#0          | 17.980                   | 19.36                | PASS    |
| Band4 | 20MHz     | 16QAM      | 20050   | 100RB#0          | 17.952                   | 19.43                | PASS    |
| Band4 | 20MHz     | QPSK       | 20175   | 100RB#0          | 17.944                   | 19.31                | PASS    |
| Band4 | 20MHz     | 16QAM      | 20175   | 100RB#0          | 17.992                   | 19.40                | PASS    |



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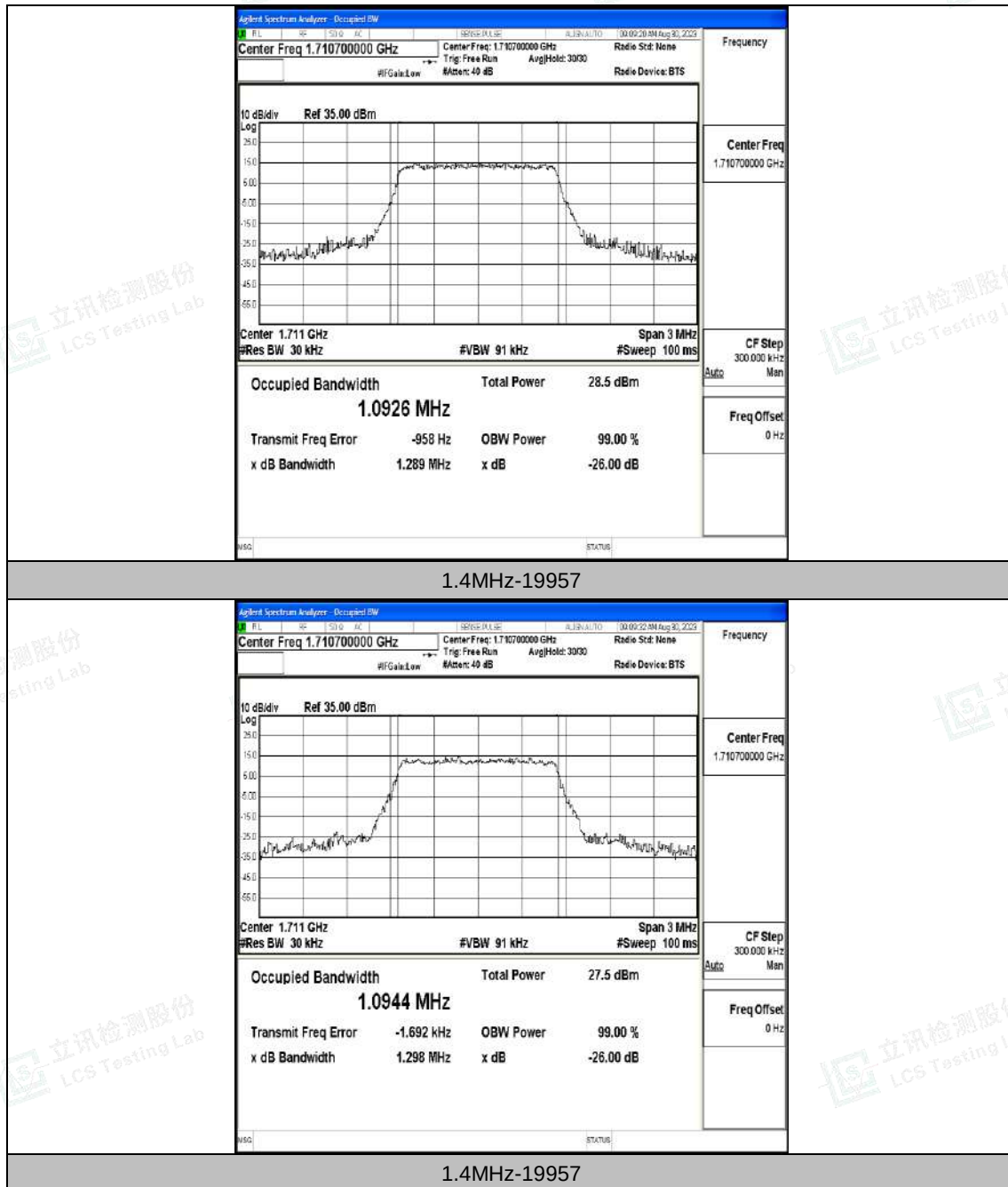


|       |       |       |       |         |        |       |      |
|-------|-------|-------|-------|---------|--------|-------|------|
| Band4 | 20MHz | QPSK  | 20300 | 100RB#0 | 17.961 | 19.64 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 17.969 | 19.32 | PASS |

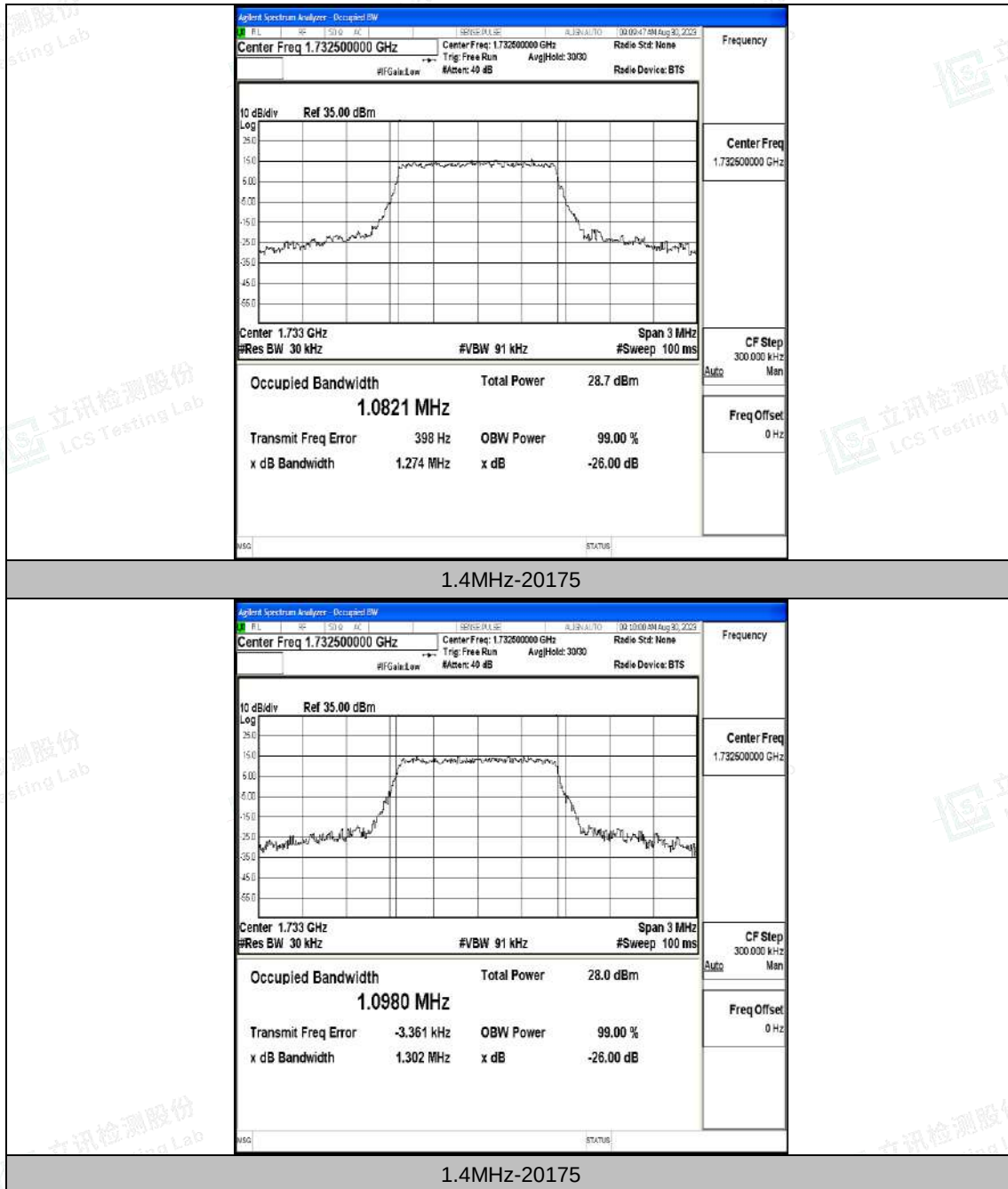




## Test Graphs





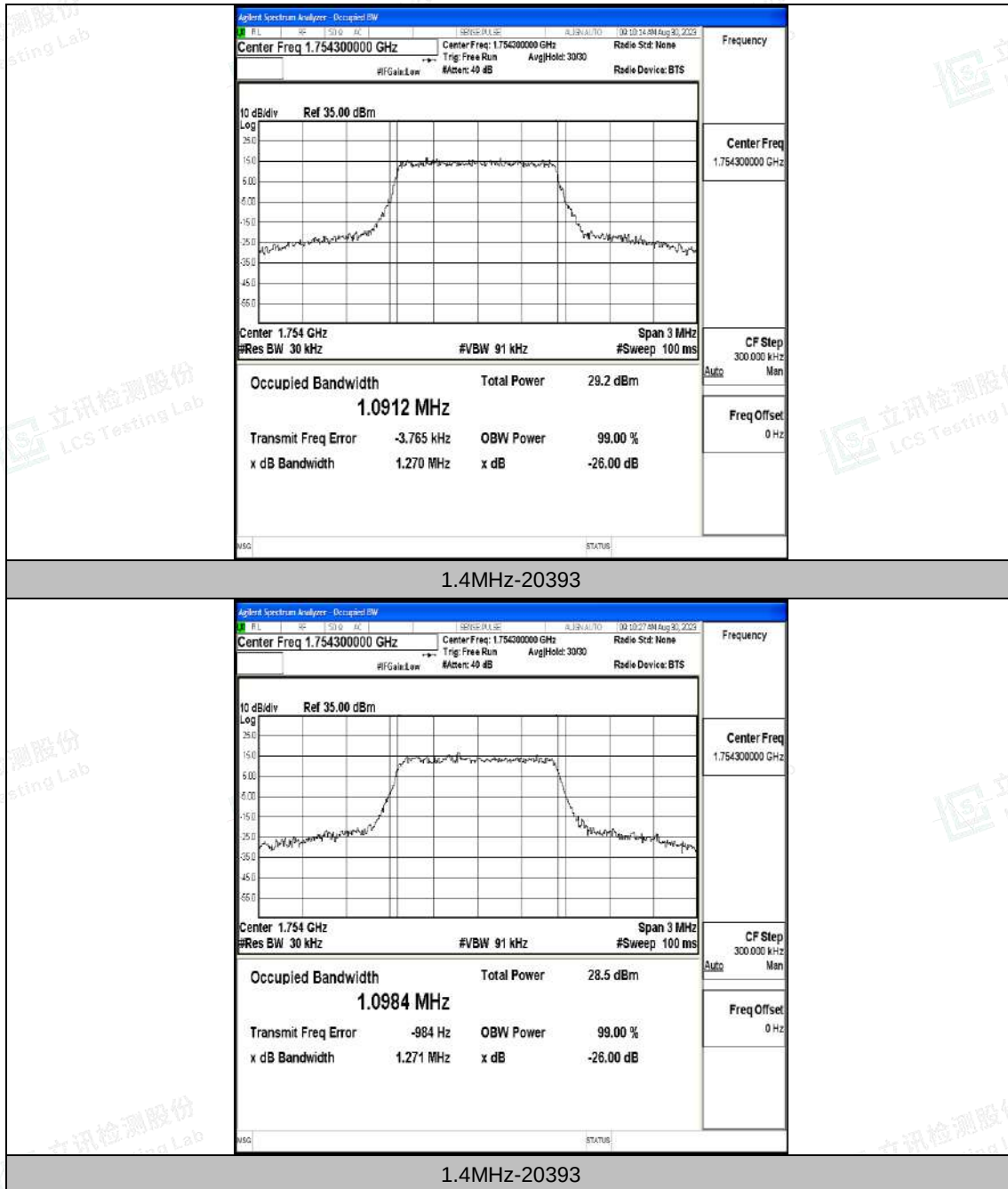


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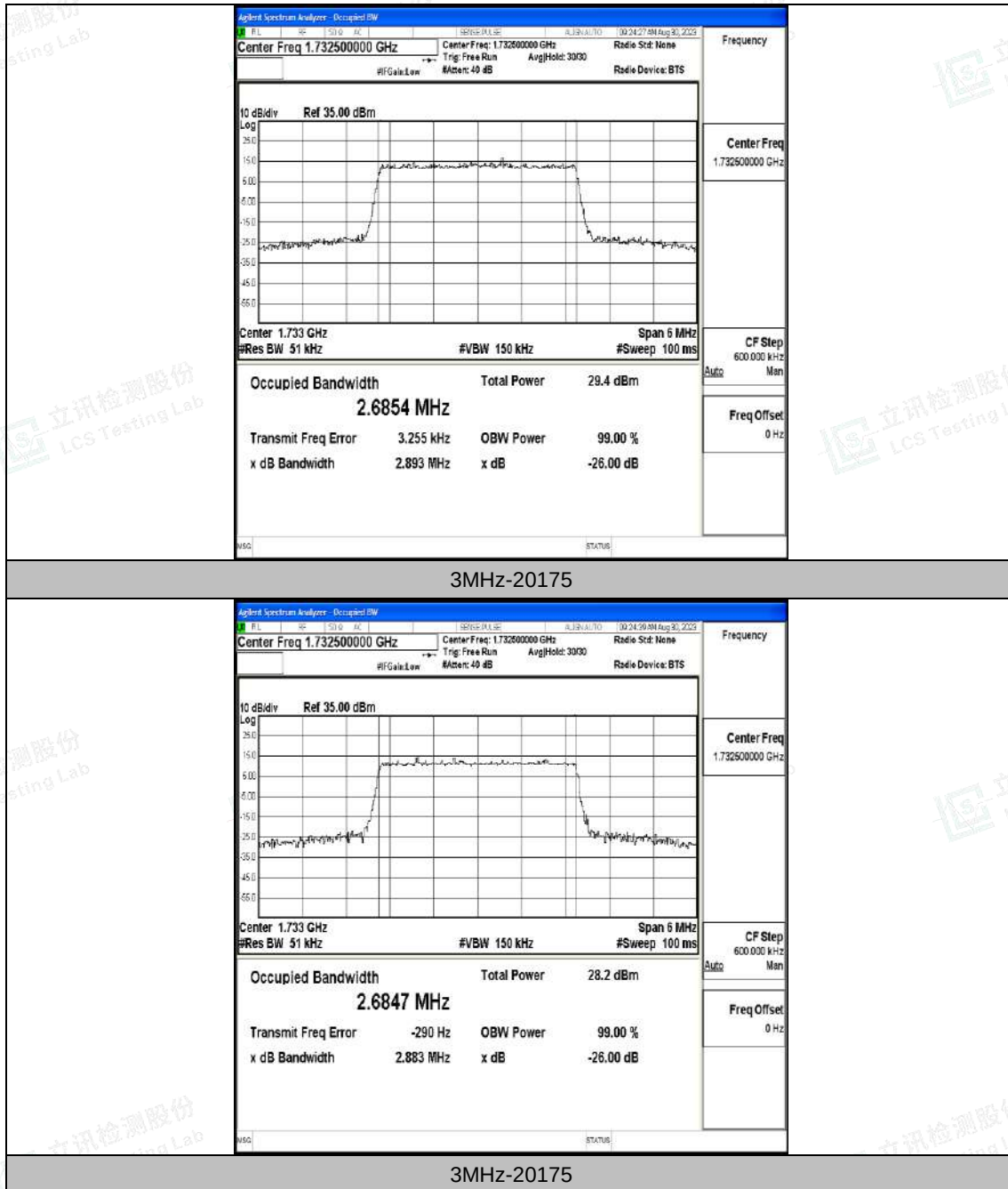


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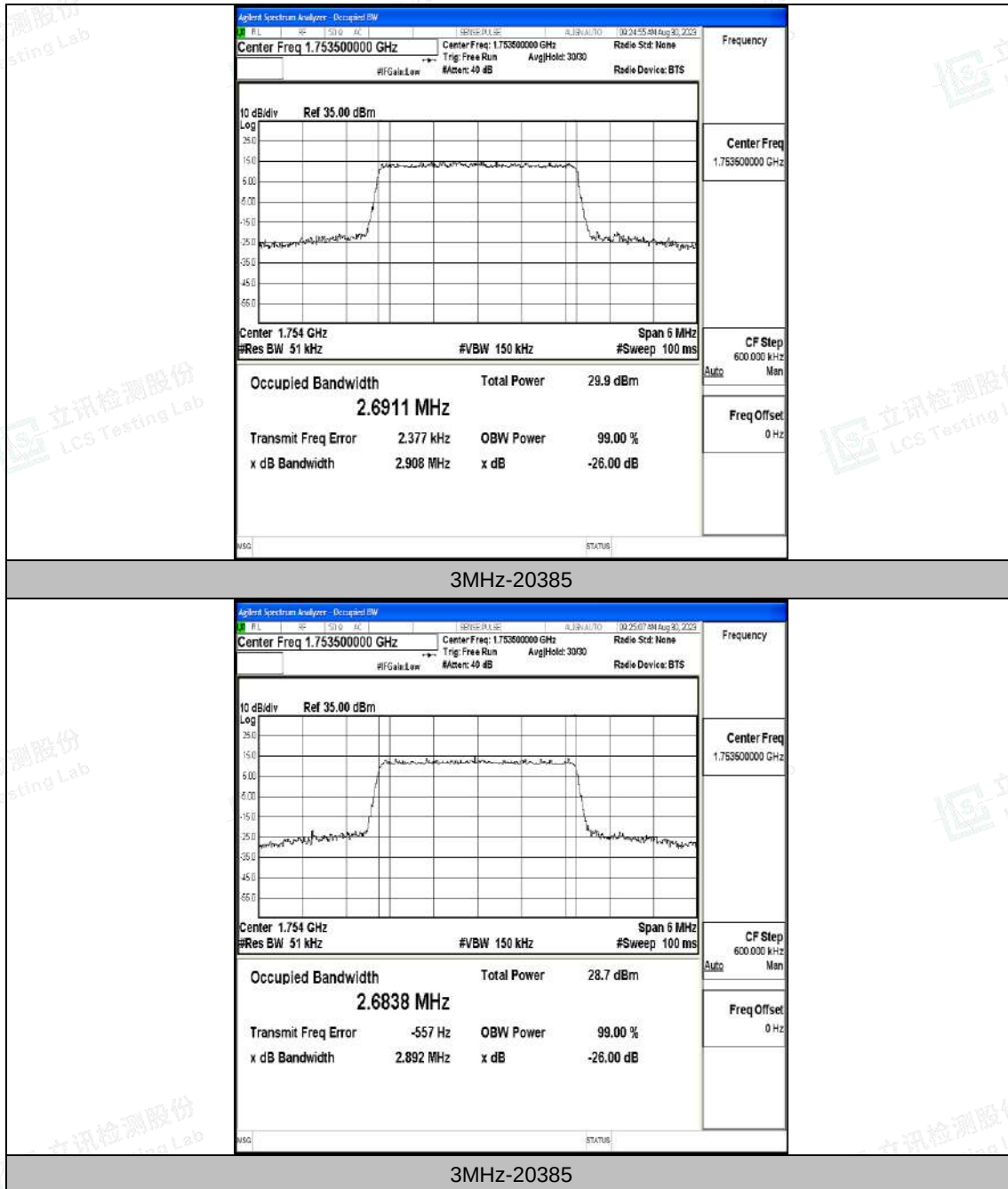


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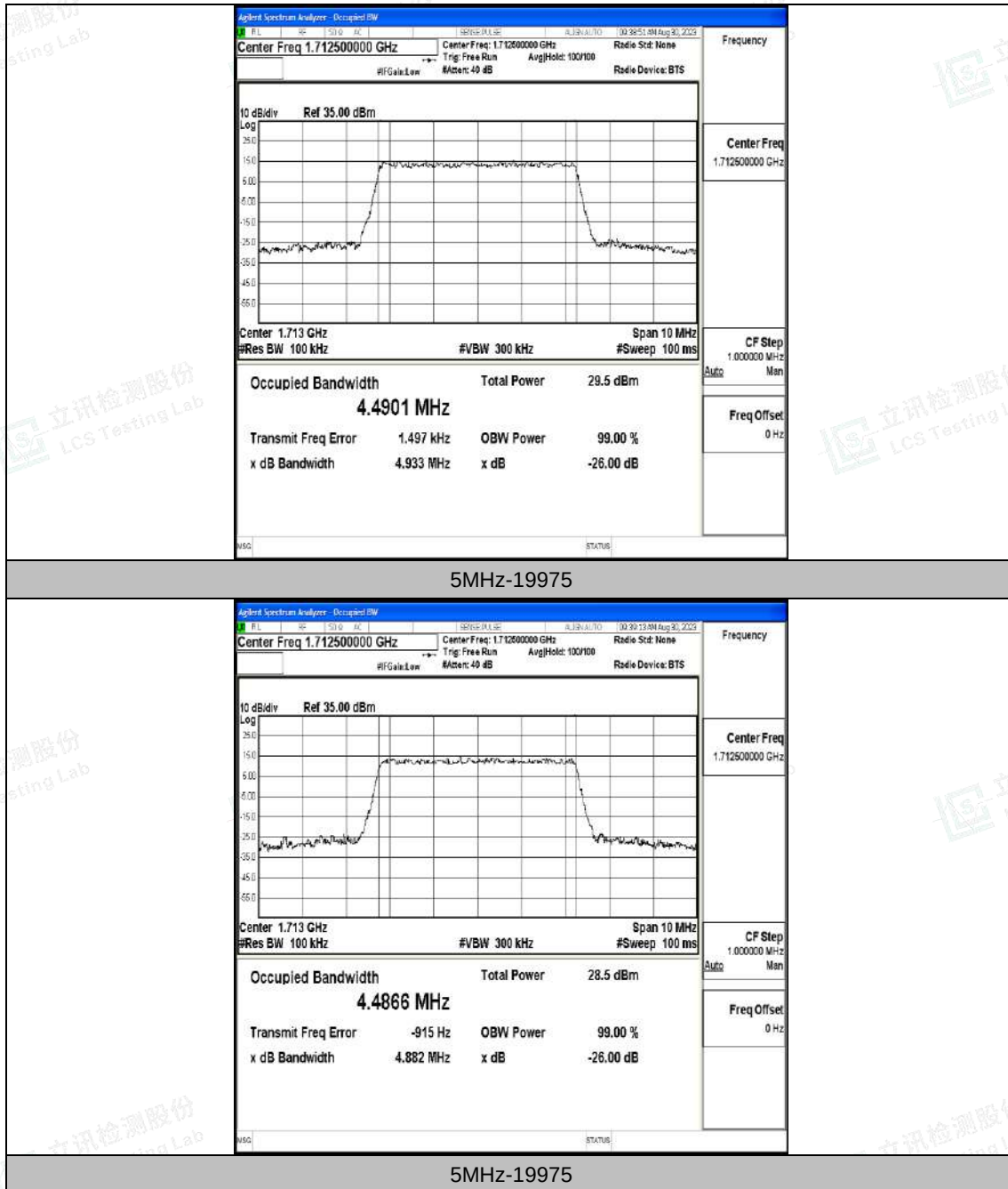


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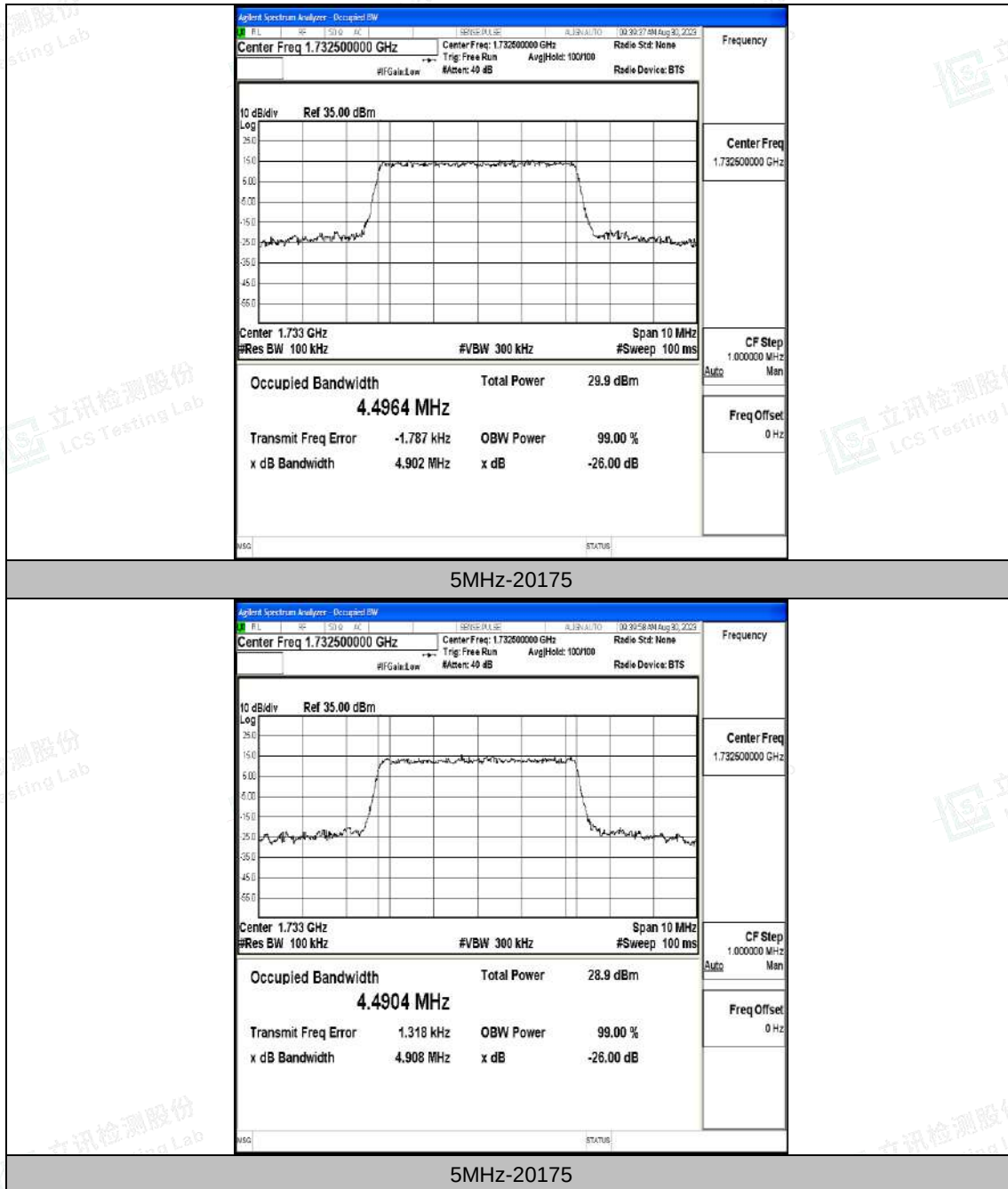
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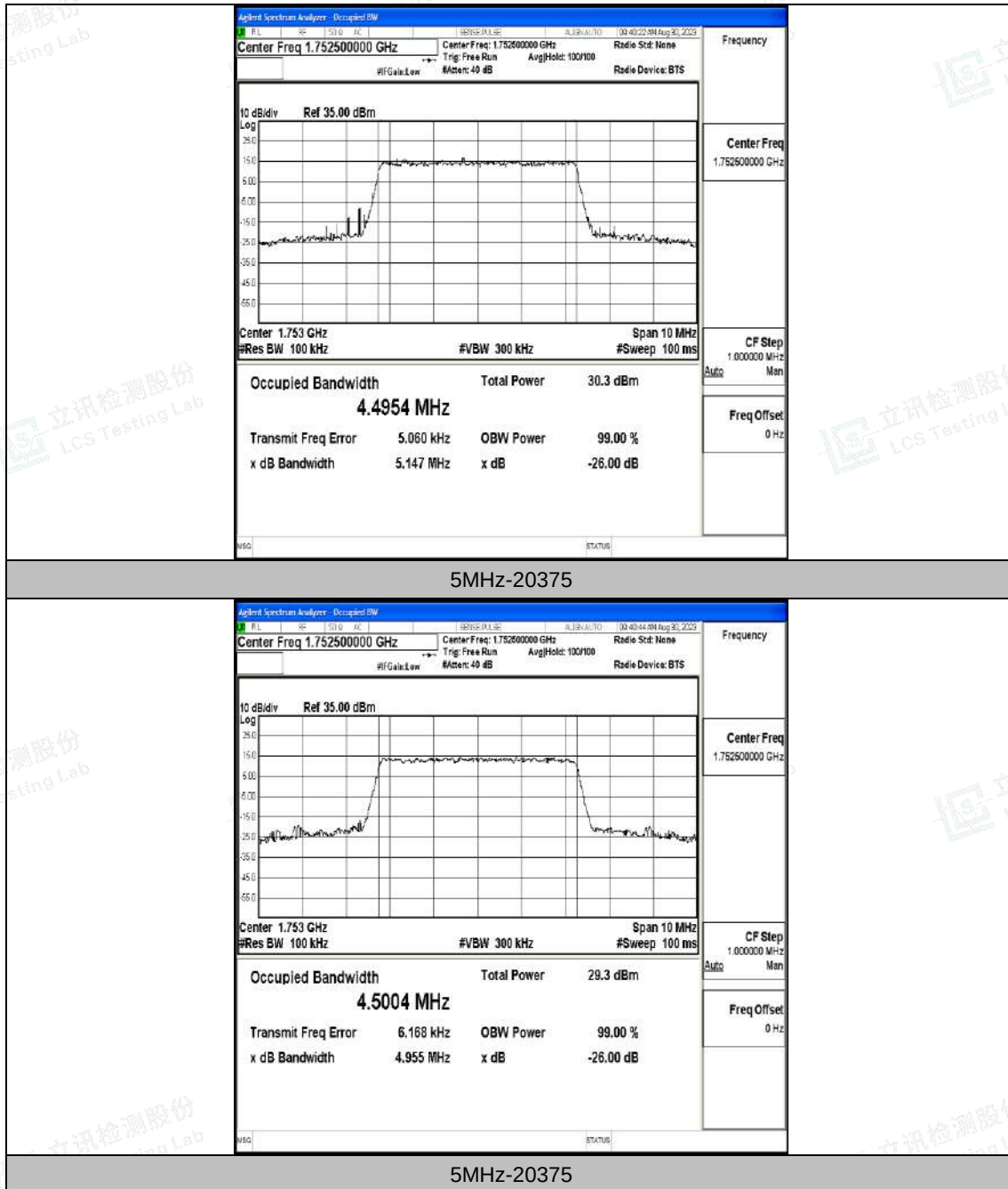


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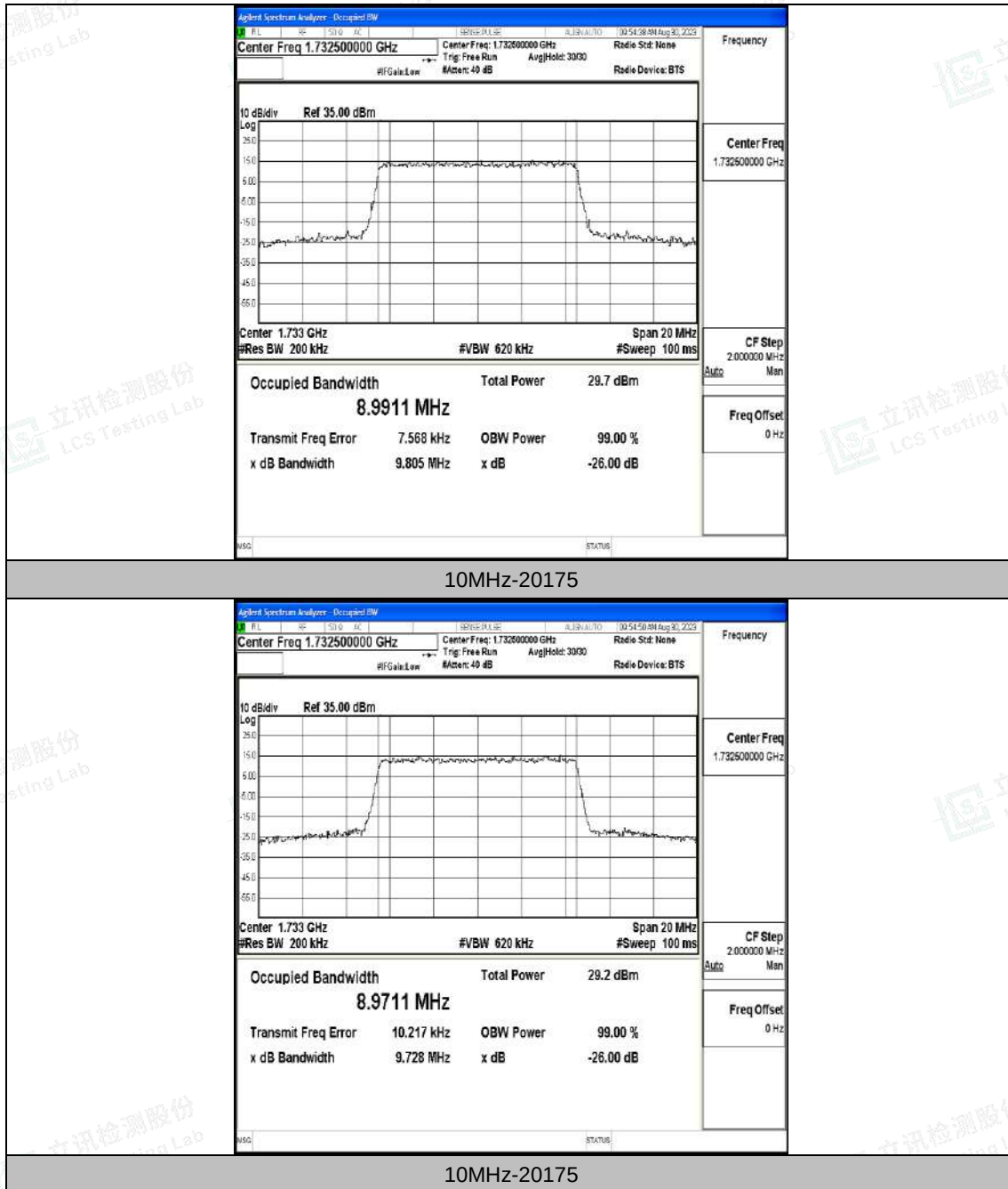


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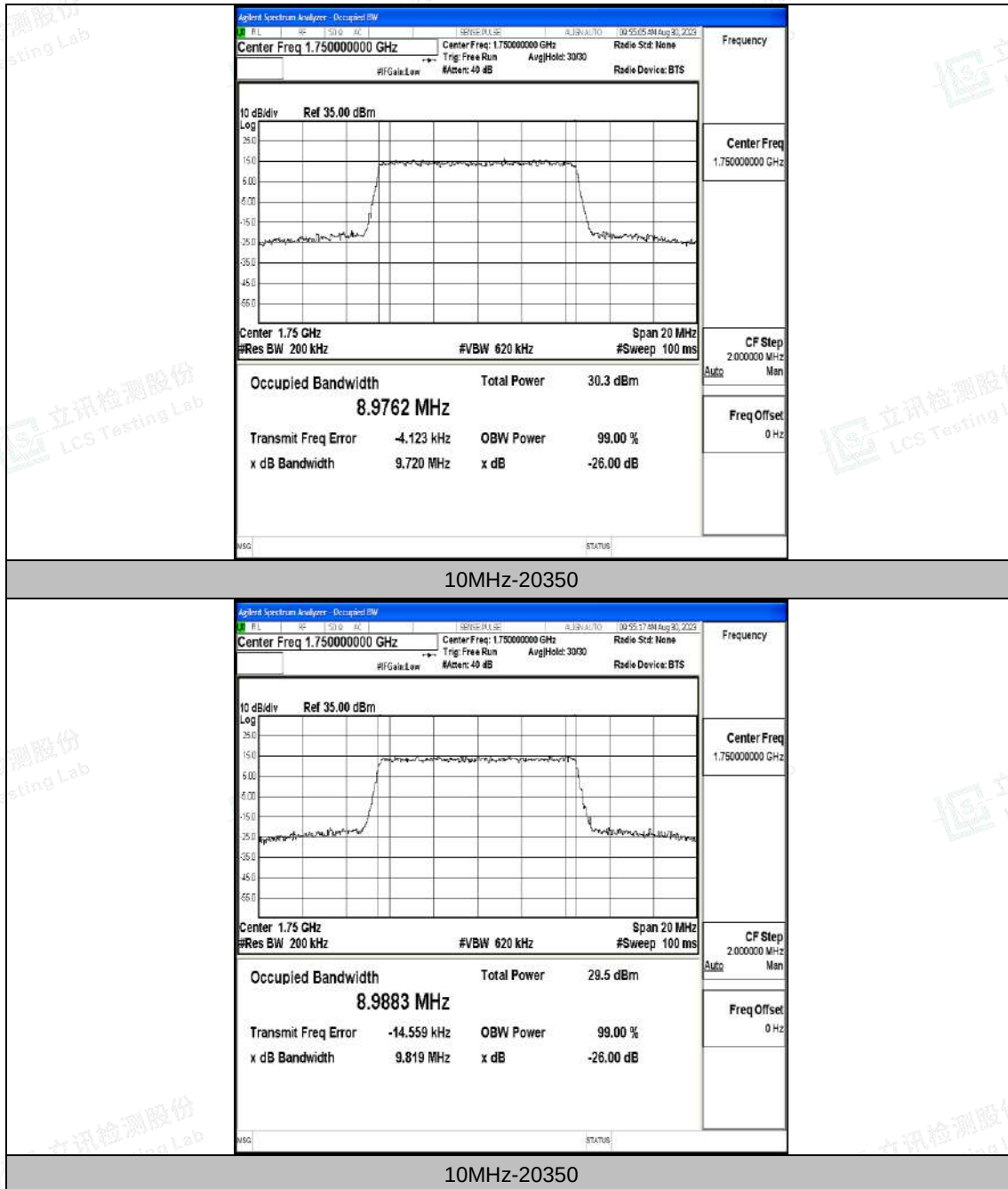


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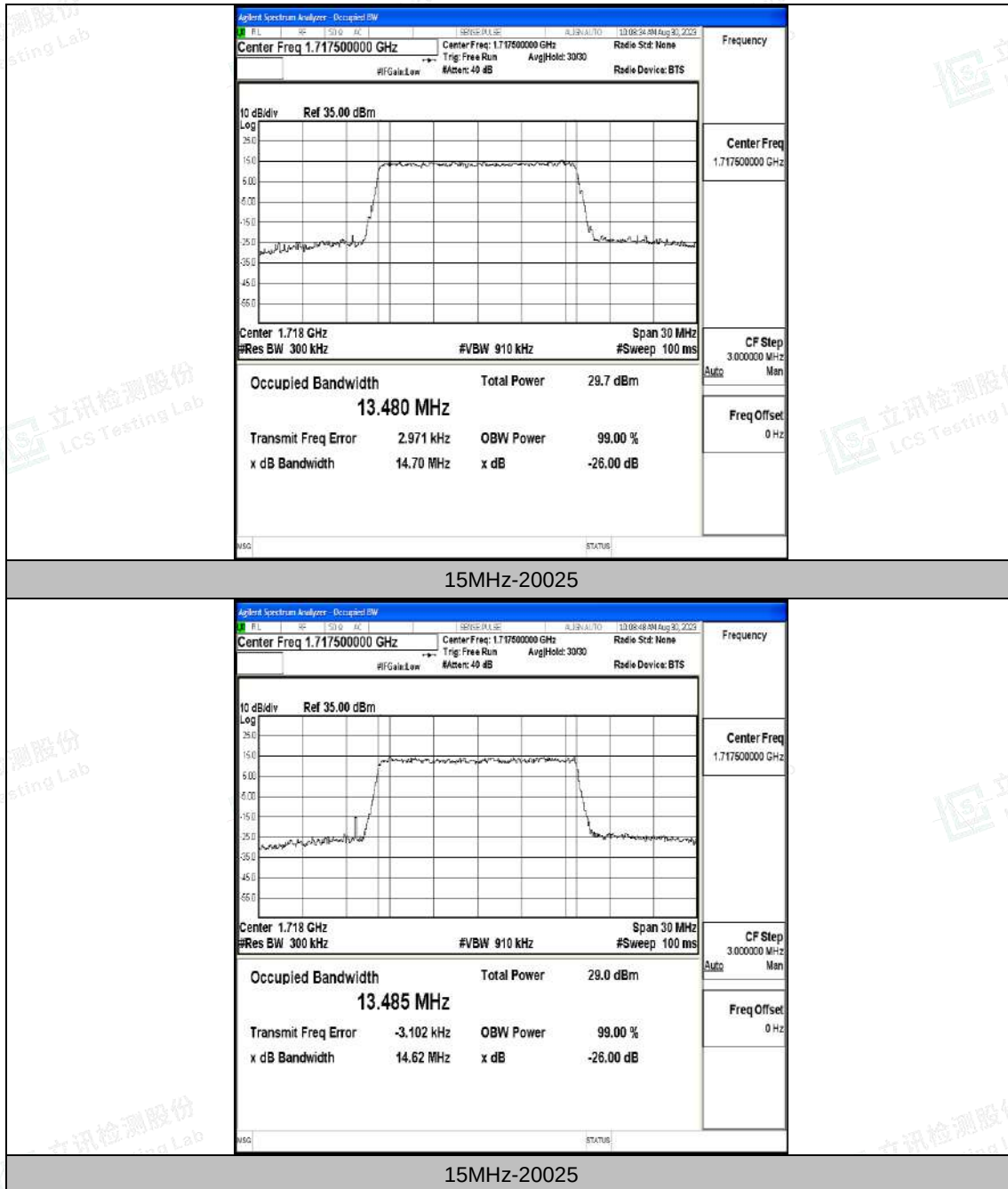


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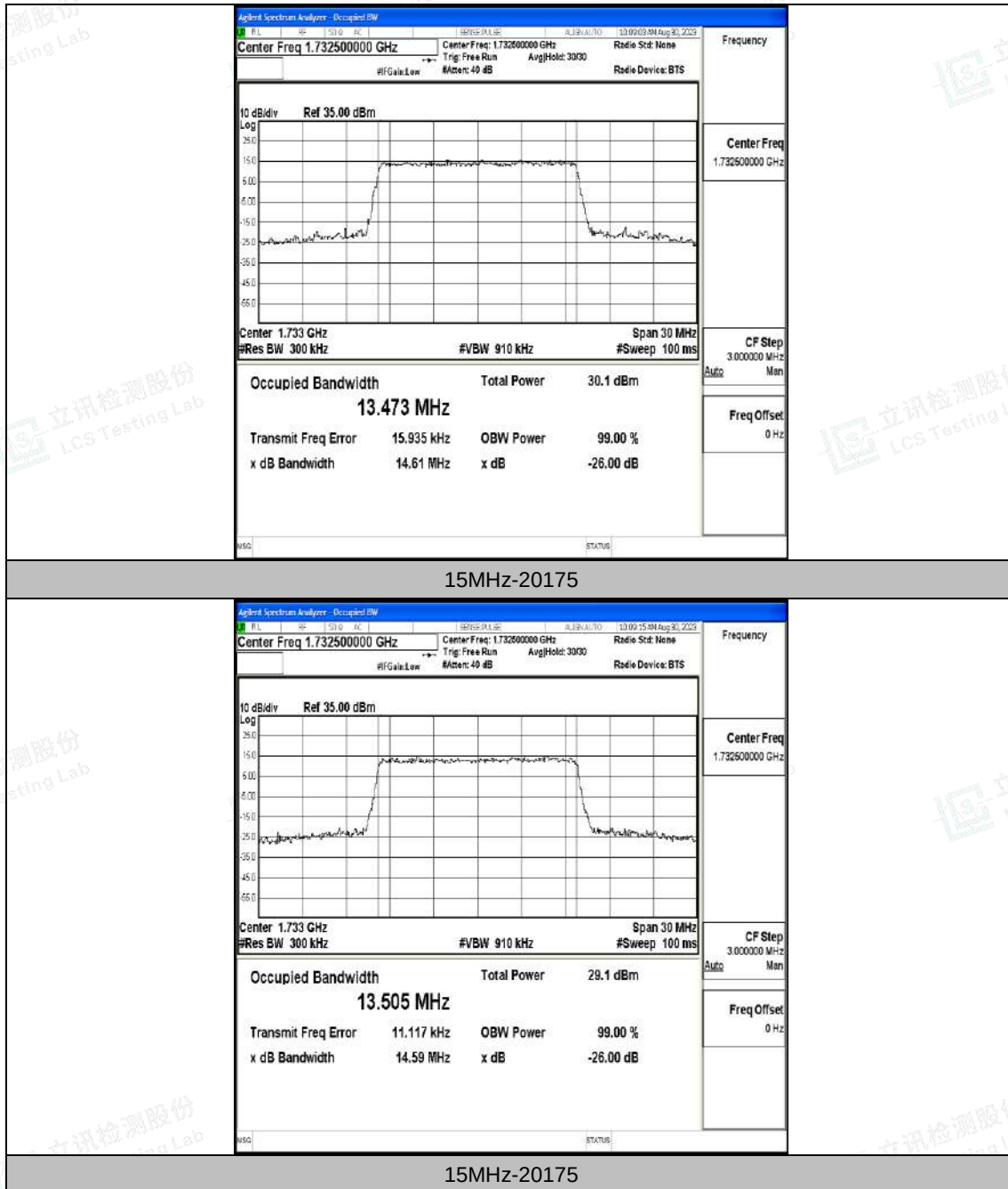
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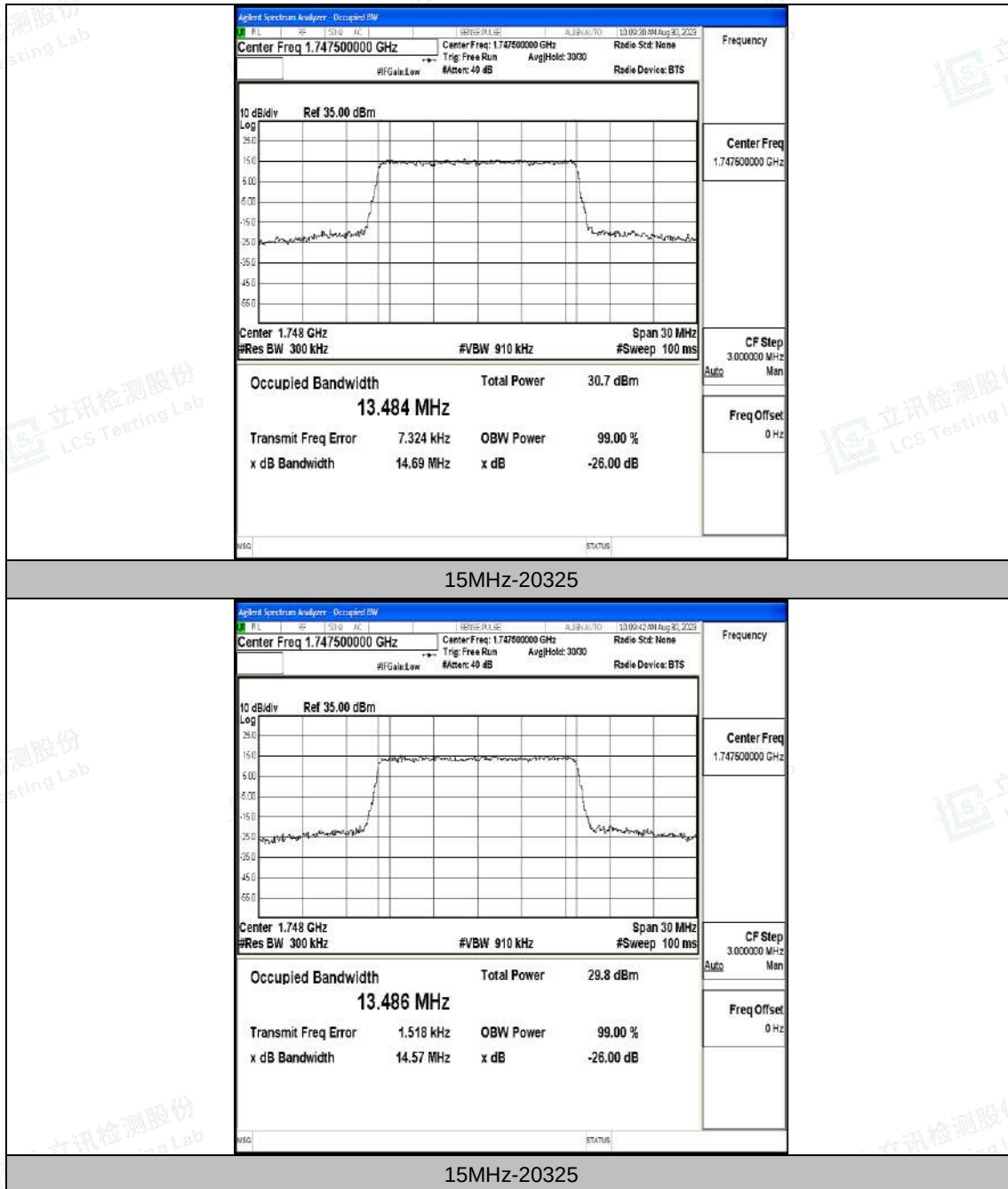


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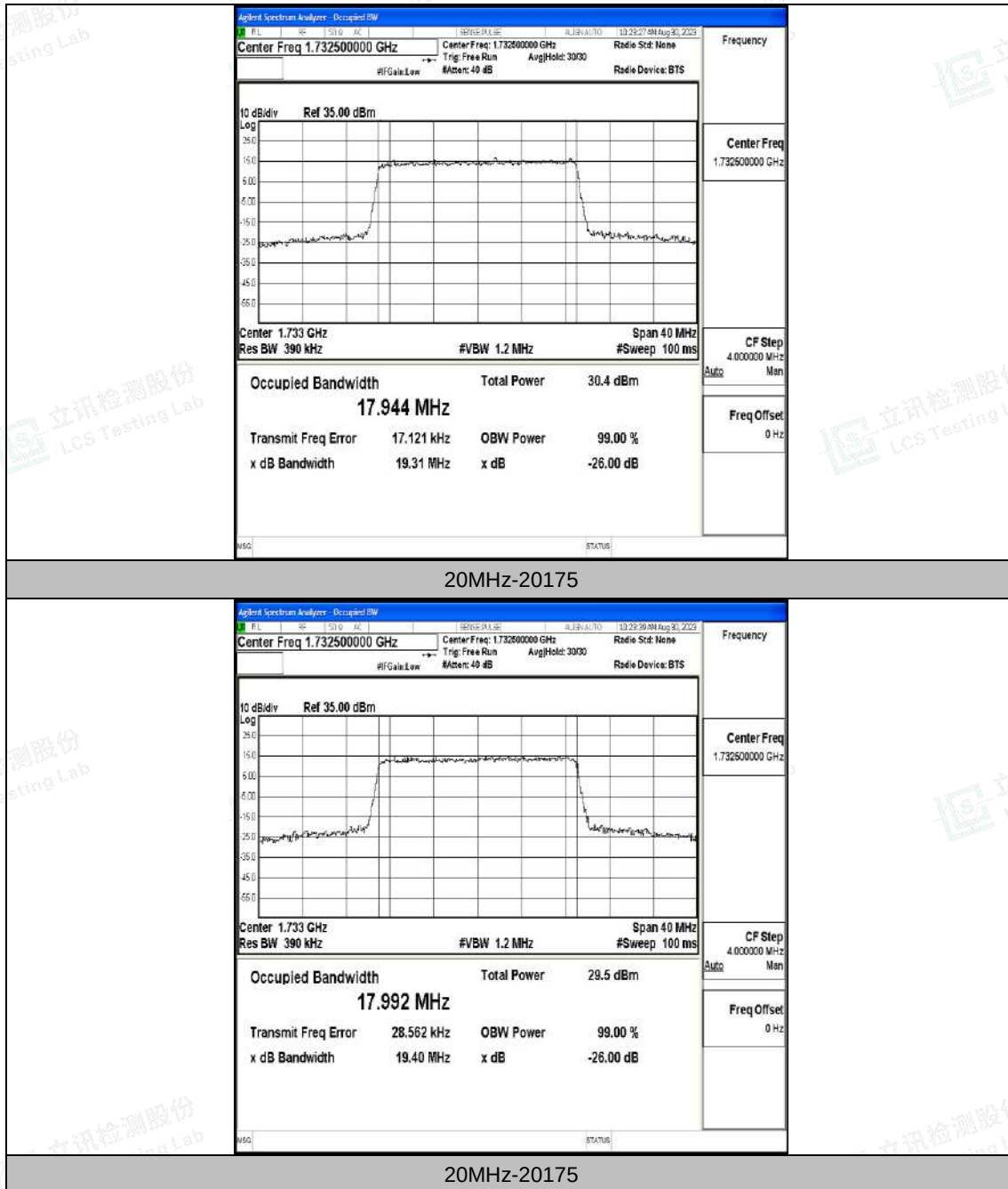


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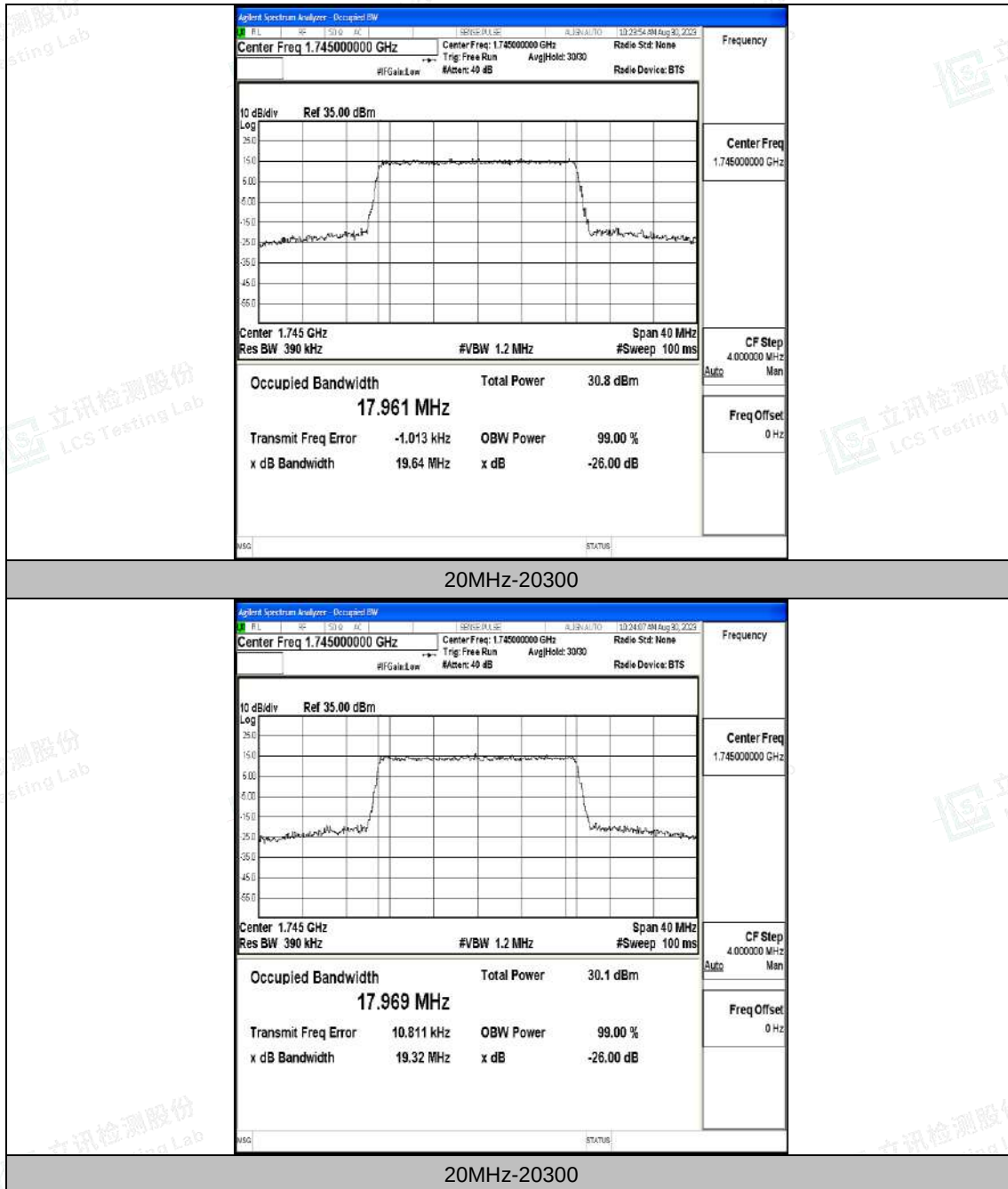


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## E.4 Band Edge

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Peak Frequency | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|----------------|-------------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | 1708.99        | -44.12      | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | 1708.91        | -46.96      | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0            | 1756.03        | -43.14      | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | 1756.01        | -46.69      | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0           | 1708.95        | -40.69      | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 15RB#0           | 1708.99        | -41.16      | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 15RB#0           | 1756.06        | -35.12      | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 15RB#0           | 1756.08        | -38.22      | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 25RB#0           | 1708.97        | -38.96      | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 25RB#0           | 1708.96        | -39.54      | PASS    |
| Band4 | 5MHz      | QPSK       | 20375   | 25RB#0           | 1756.06        | -34.83      | PASS    |
| Band4 | 5MHz      | 16QAM      | 20375   | 25RB#0           | 1756.09        | -36.88      | PASS    |
| Band4 | 10MHz     | QPSK       | 20000   | 50RB#0           | 1708.94        | -38.88      | PASS    |
| Band4 | 10MHz     | 16QAM      | 20000   | 50RB#0           | 1708.89        | -39.46      | PASS    |
| Band4 | 10MHz     | QPSK       | 20350   | 50RB#0           | 1756.08        | -34.26      | PASS    |
| Band4 | 10MHz     | 16QAM      | 20350   | 50RB#0           | 1756.22        | -36.23      | PASS    |
| Band4 | 15MHz     | QPSK       | 20025   | 75RB#0           | 1708.83        | -37.39      | PASS    |
| Band4 | 15MHz     | 16QAM      | 20025   | 75RB#0           | 1708.85        | -38.89      | PASS    |
| Band4 | 15MHz     | QPSK       | 20325   | 75RB#0           | 1756.15        | -31.85      | PASS    |
| Band4 | 15MHz     | 16QAM      | 20325   | 75RB#0           | 1756.20        | -34.89      | PASS    |
| Band4 | 20MHz     | QPSK       | 20050   | 100RB#0          | 1708.90        | -38.30      | PASS    |
| Band4 | 20MHz     | 16QAM      | 20050   | 100RB#0          | 1708.81        | -39.19      | PASS    |
| Band4 | 20MHz     | QPSK       | 20300   | 100RB#0          | 1756.23        | -33.98      | PASS    |
| Band4 | 20MHz     | 16QAM      | 20300   | 100RB#0          | 1756.08        | -35.80      | PASS    |



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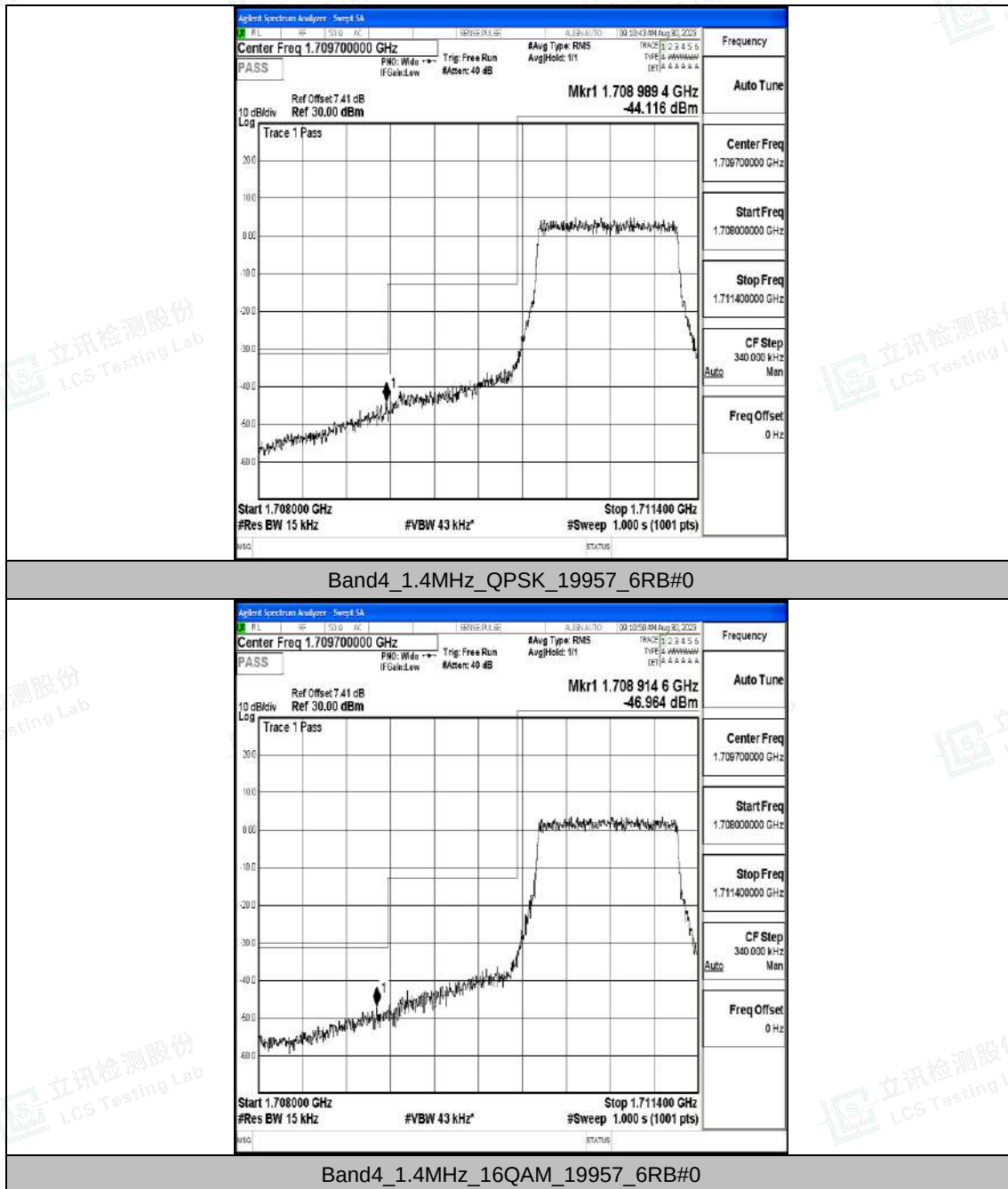
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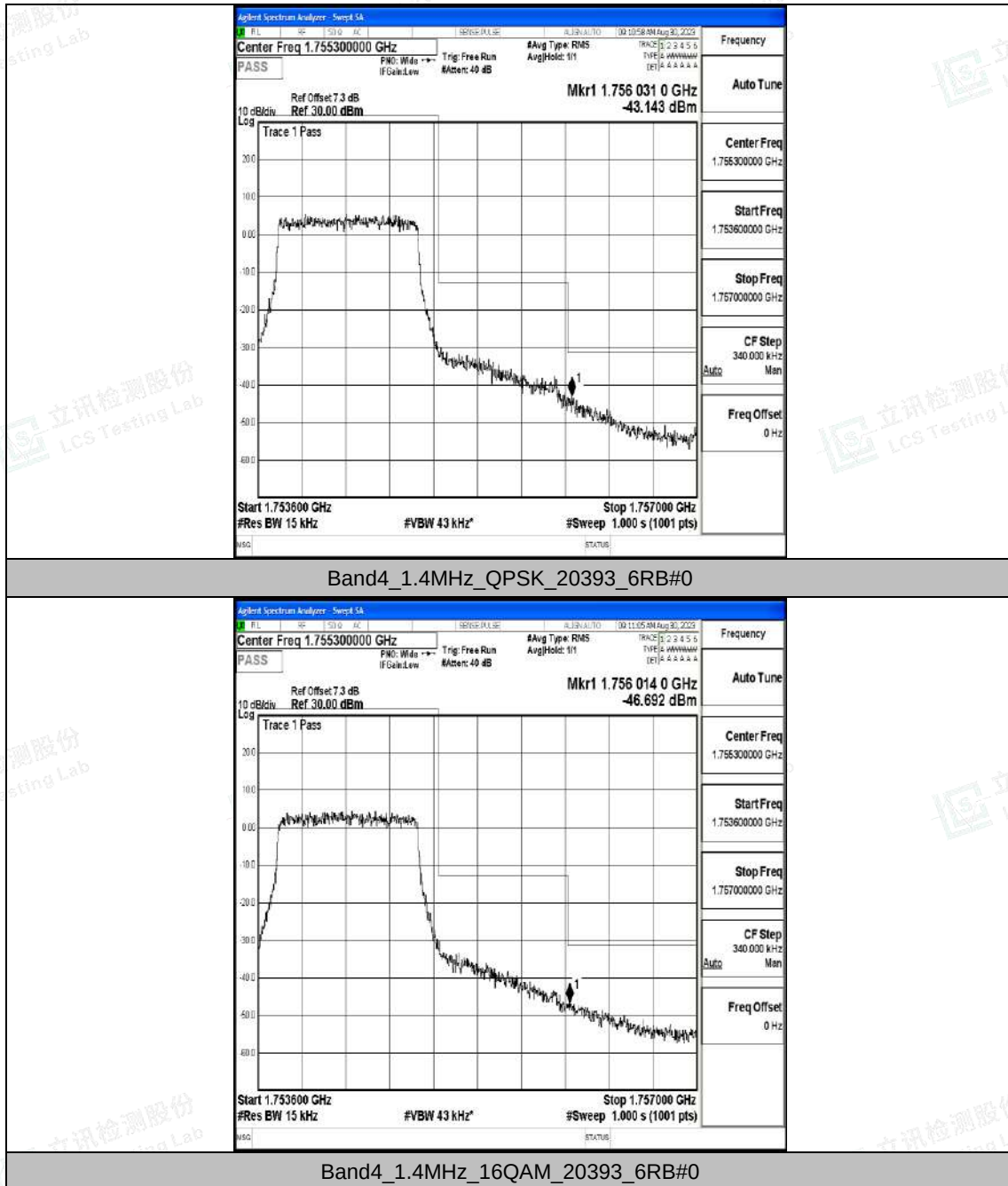
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## Test Graphs



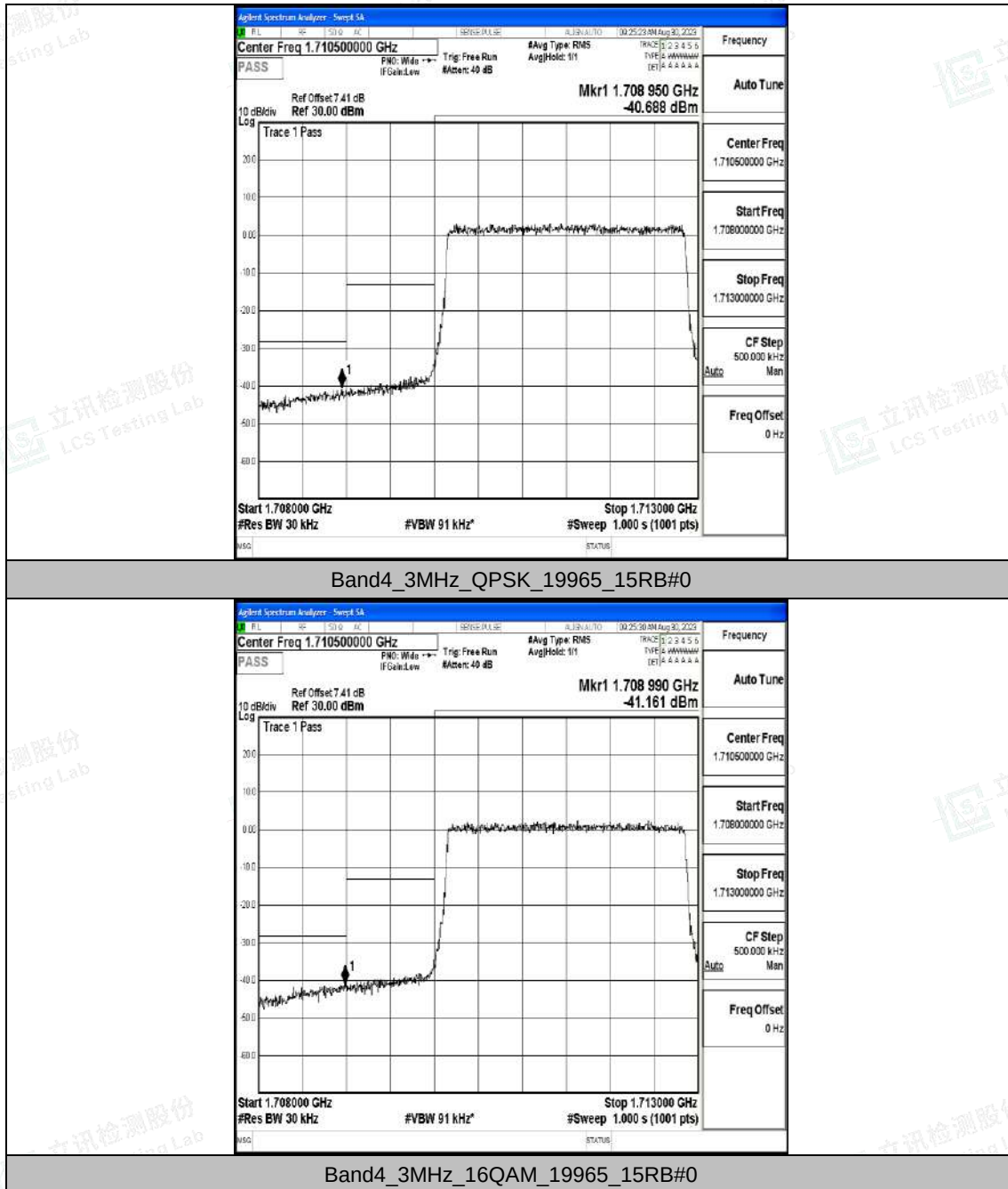


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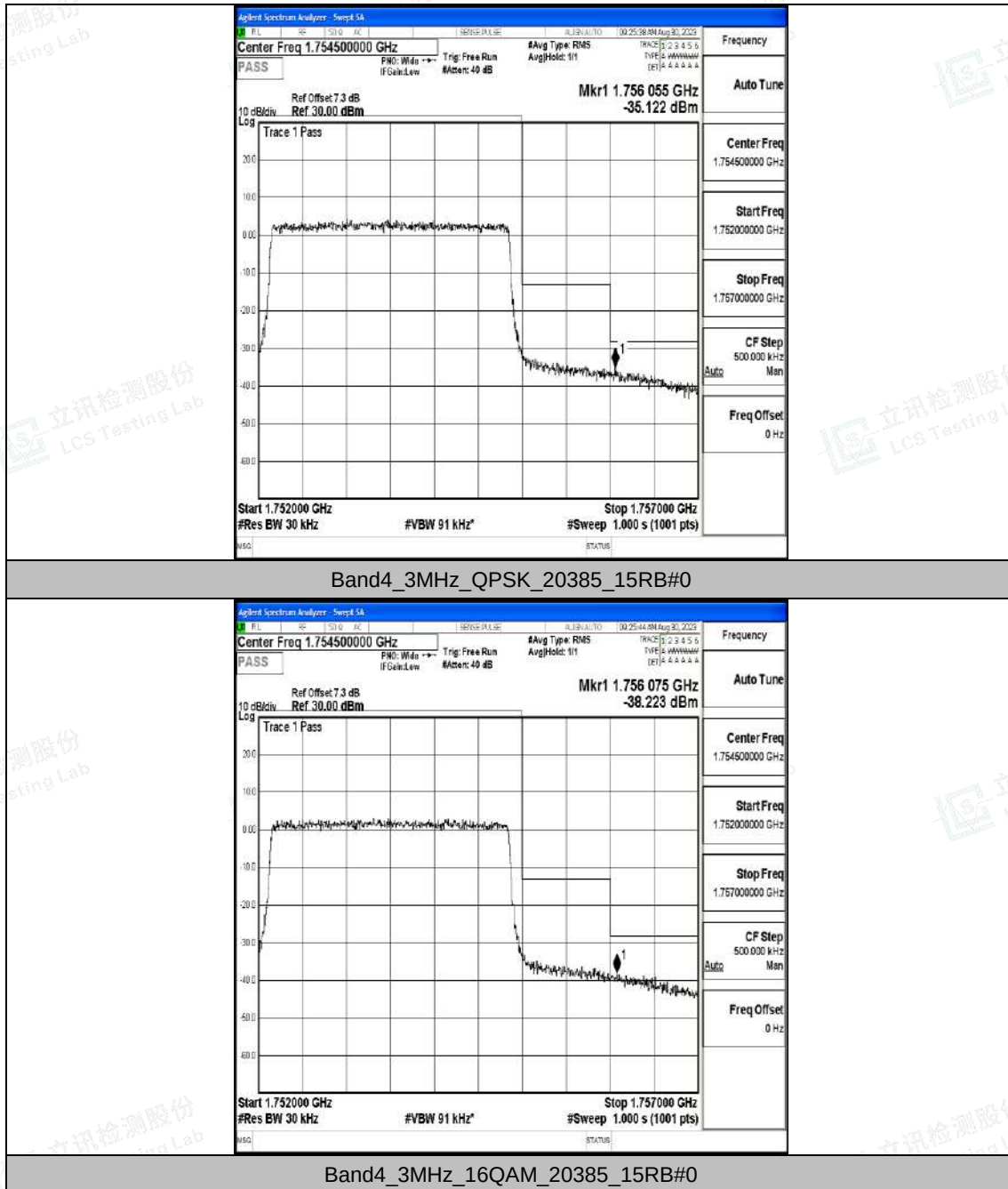


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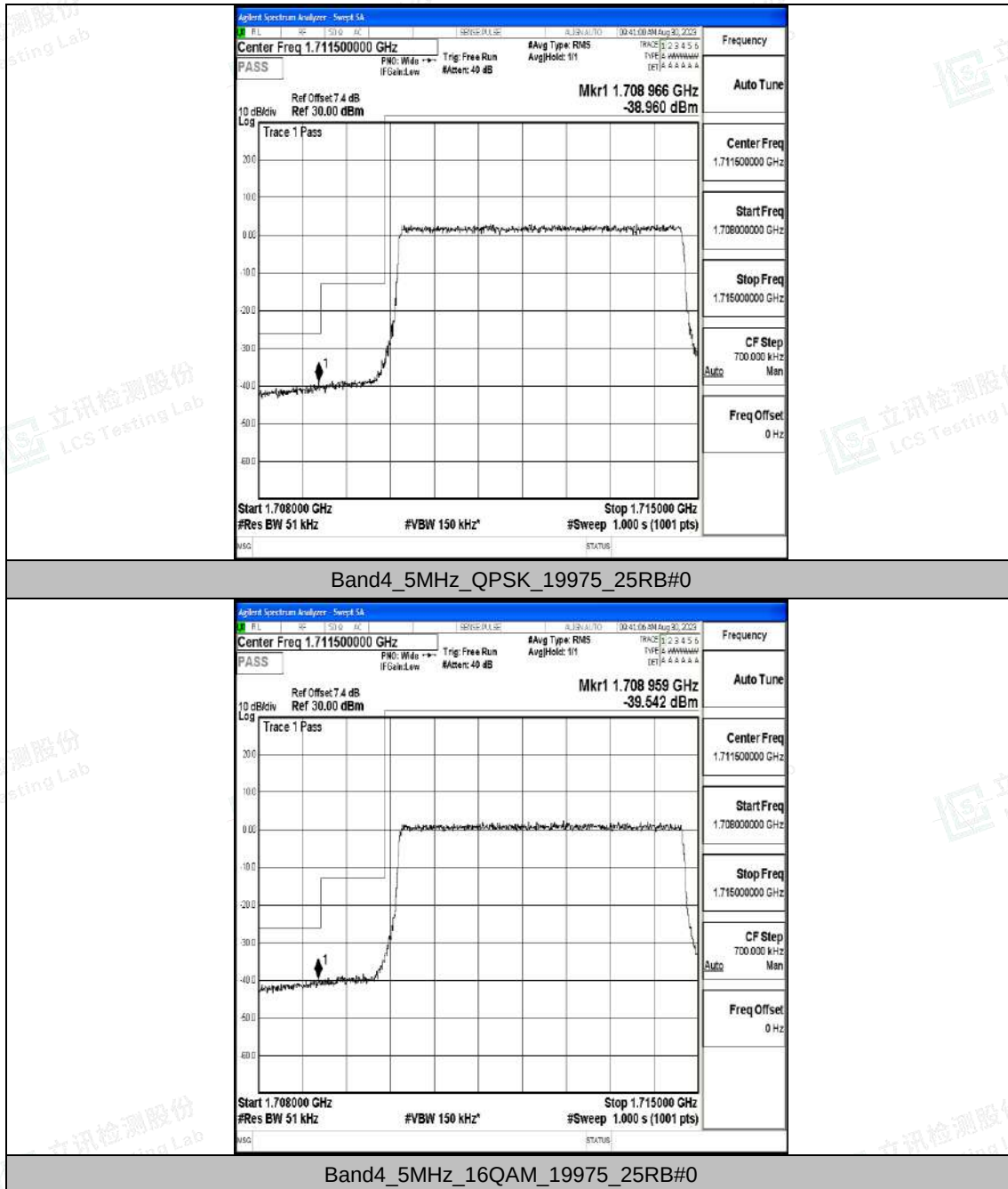


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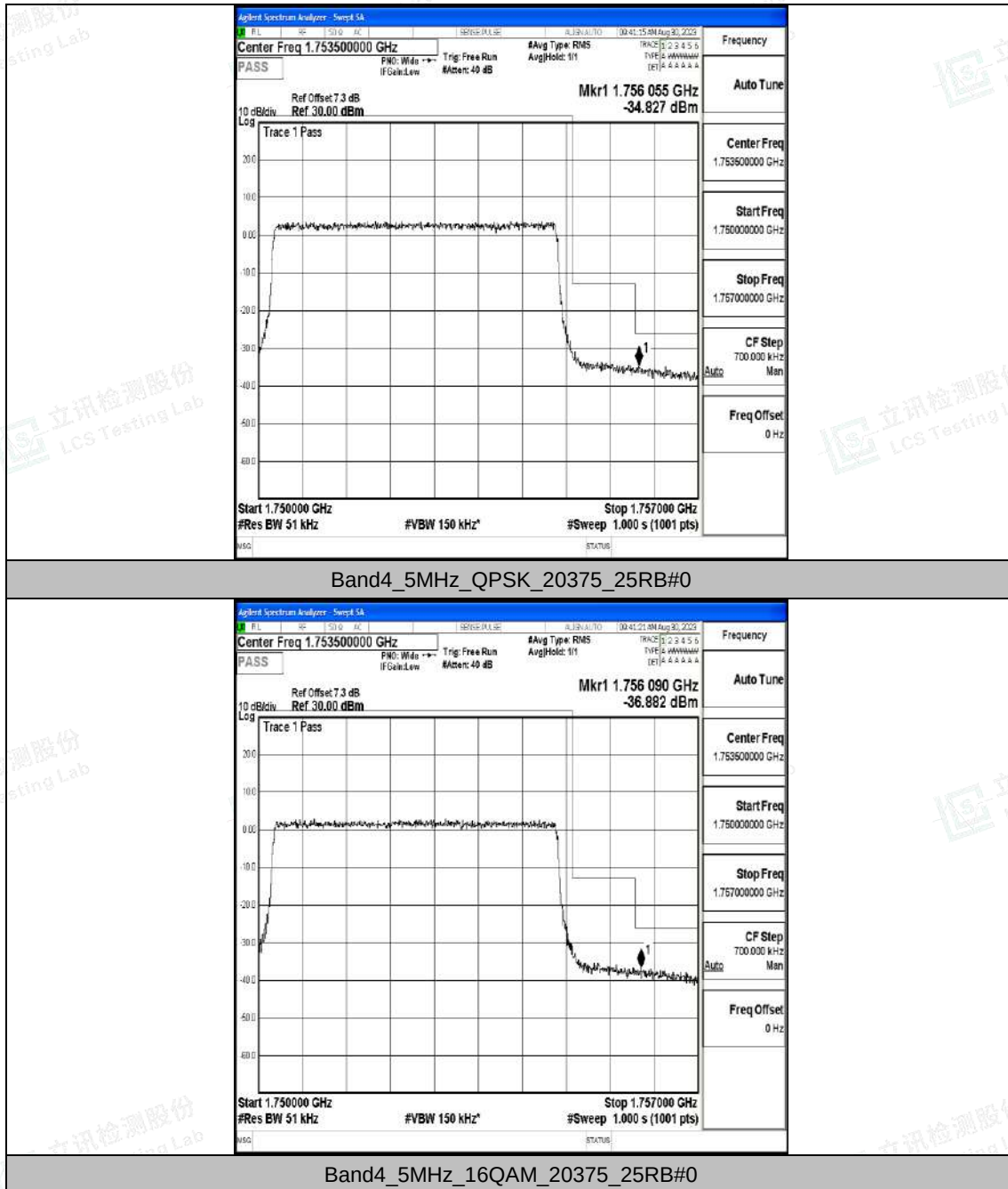
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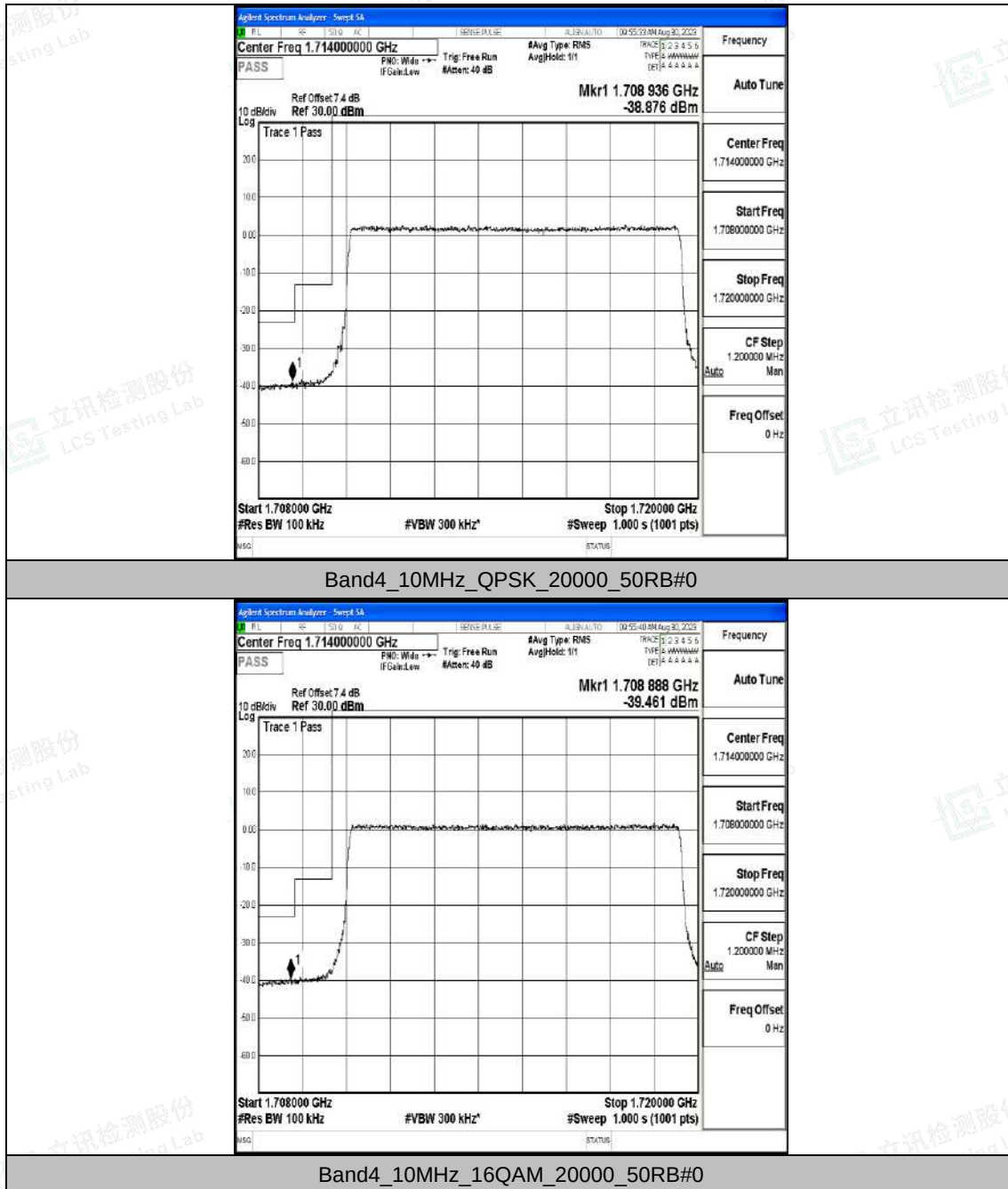
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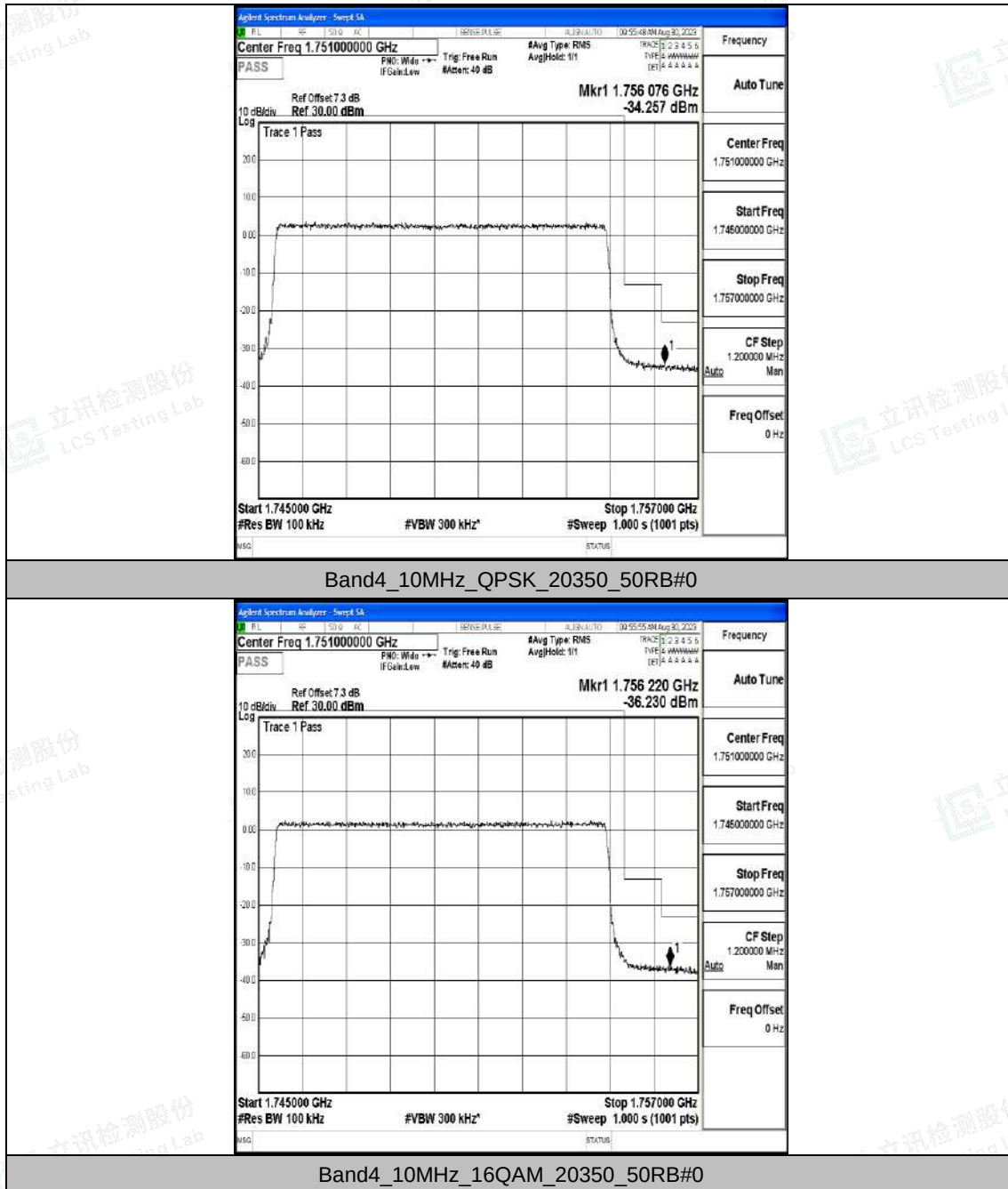


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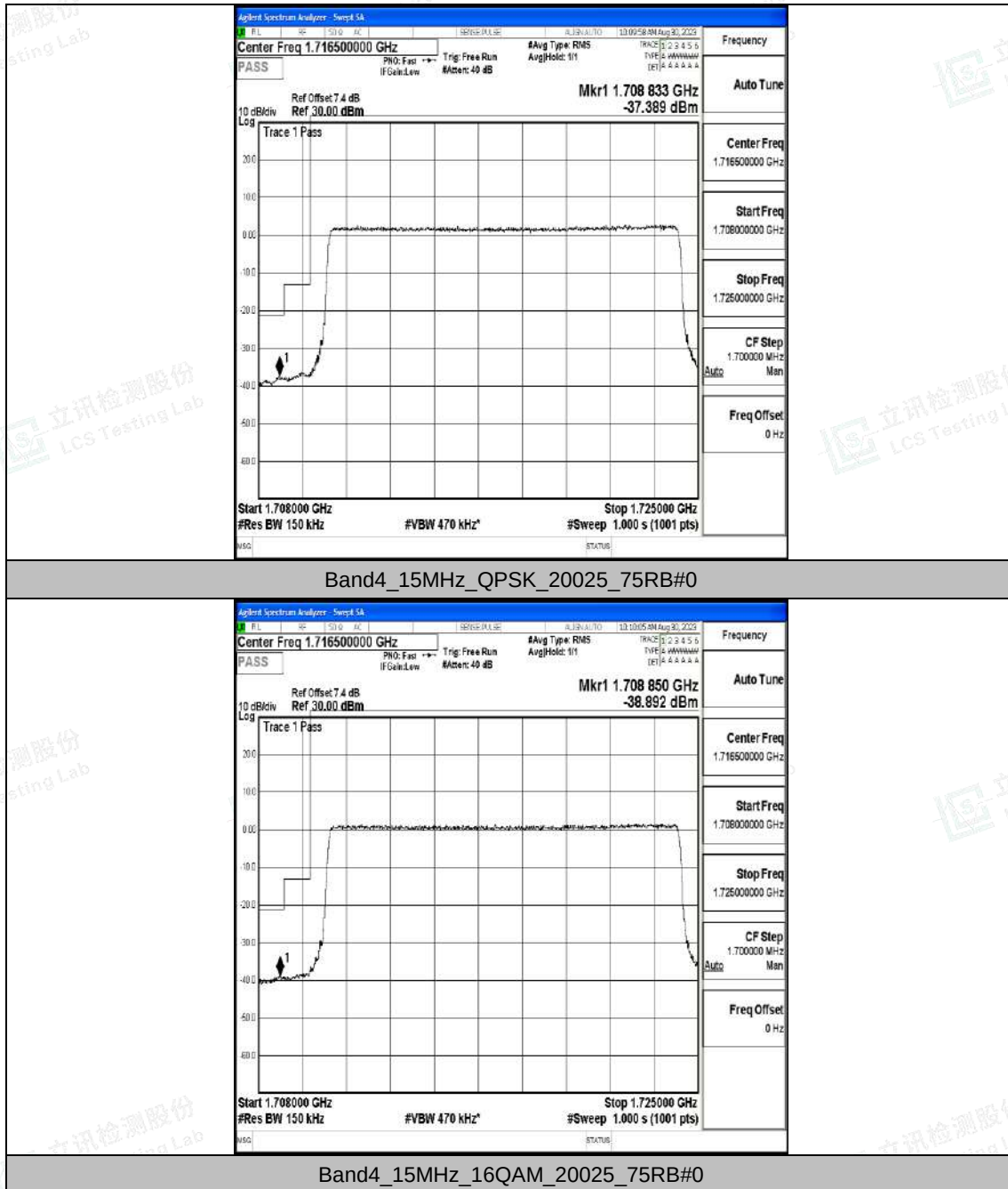


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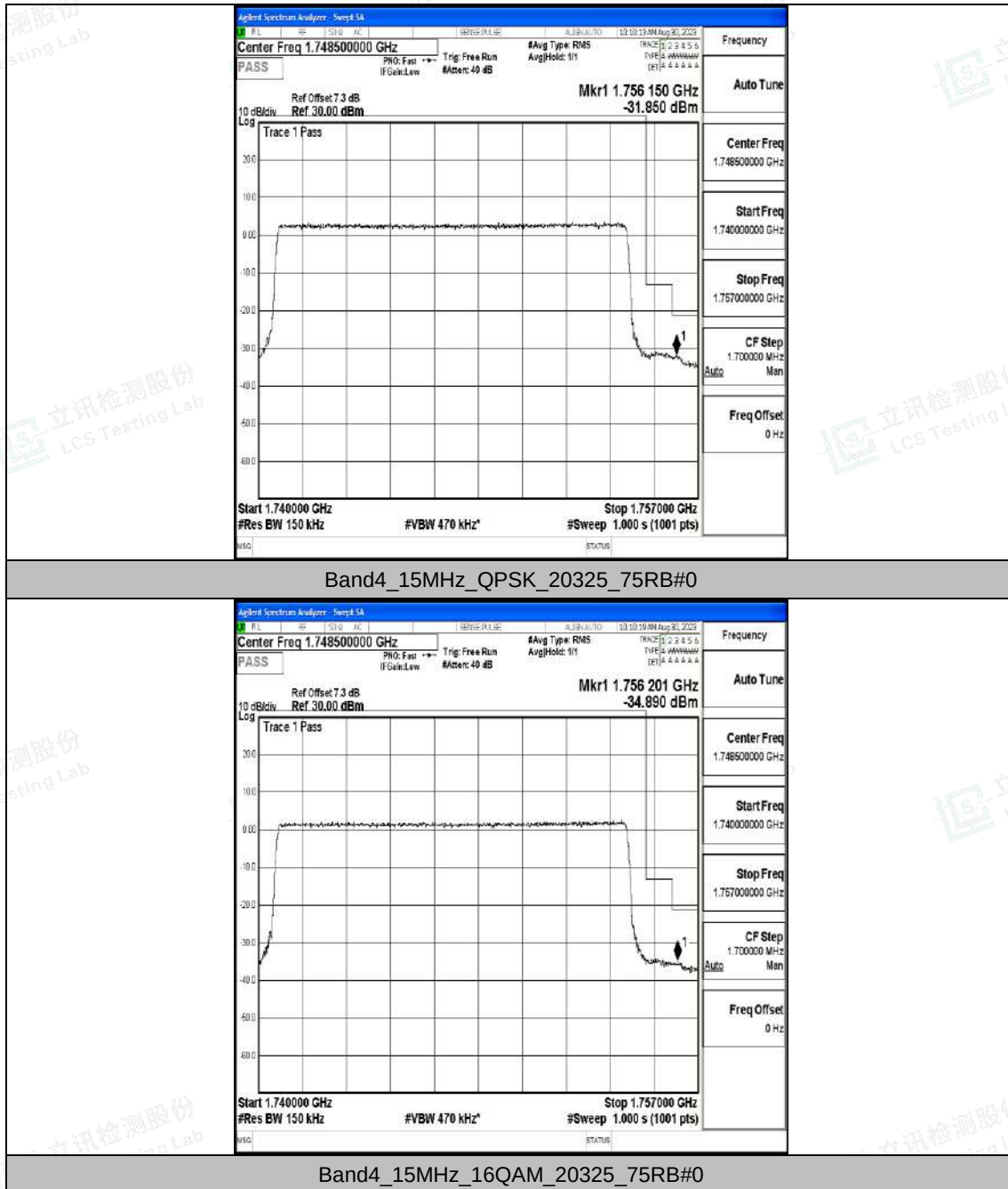


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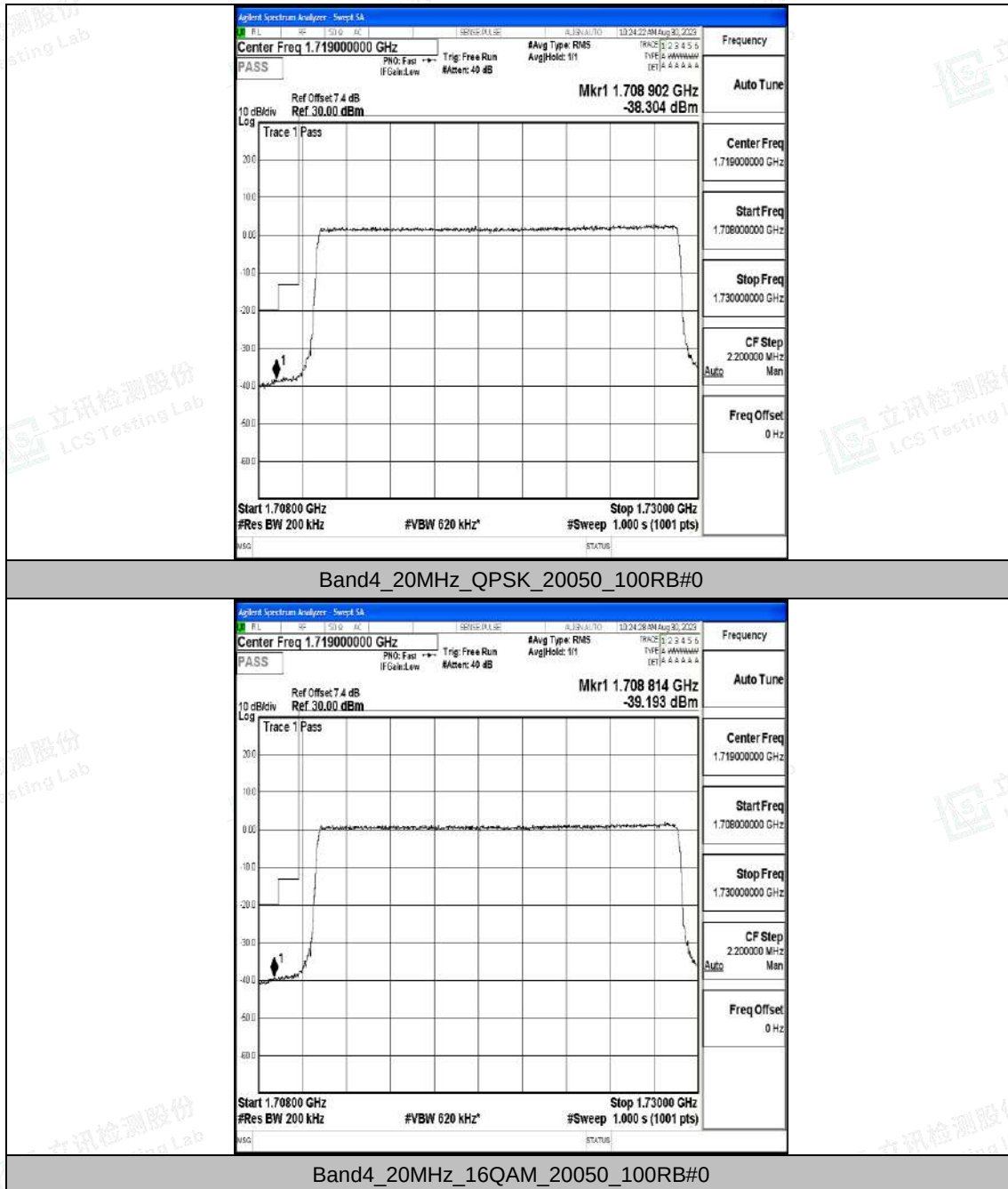


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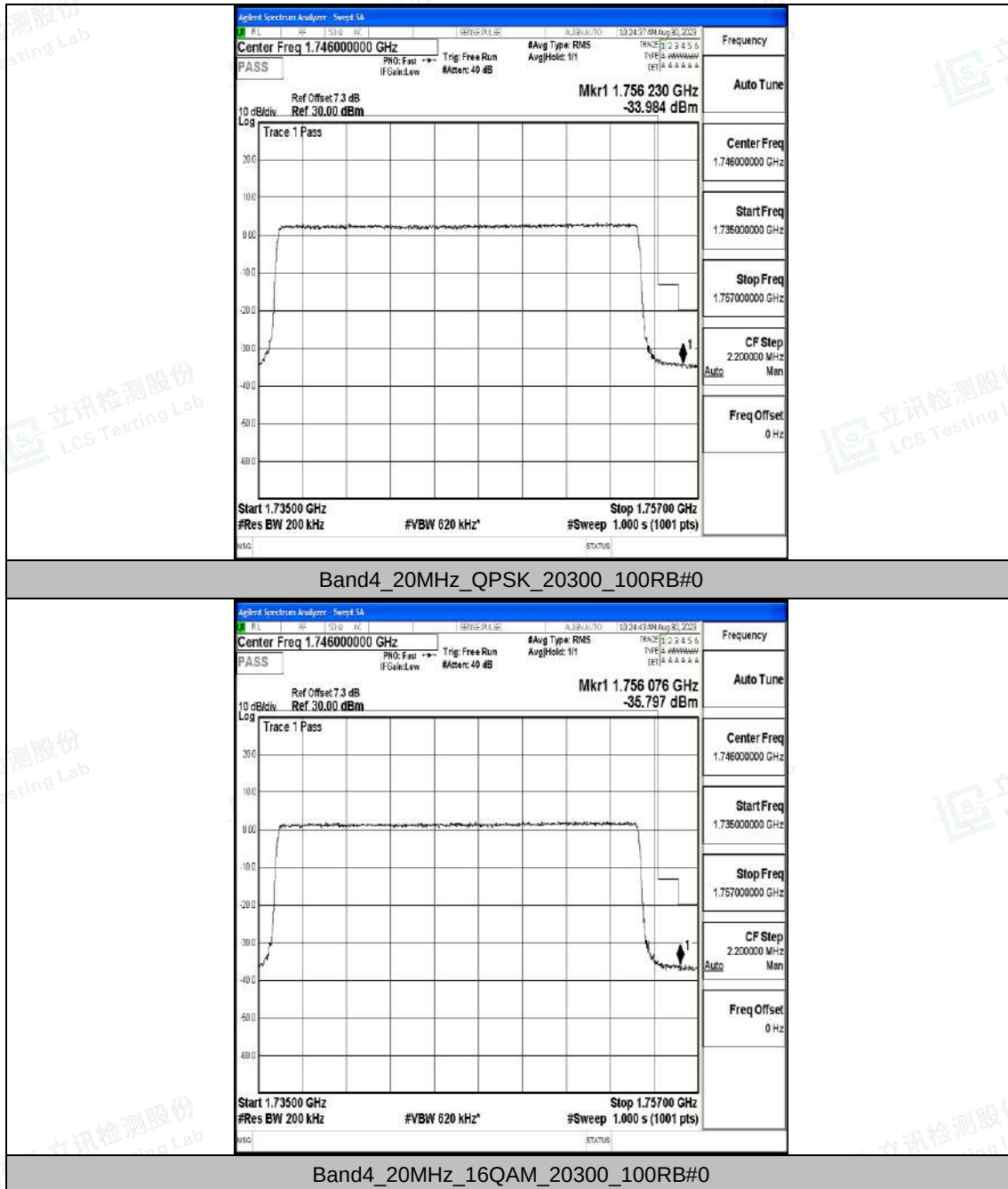


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## E.5 Conducted Spurious Emission

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range | Result (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-----------------|--------------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#0            | 0.009~0.15      | -63.33       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#0            | 0.15~30         | -52.81       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#0            | 30~1000         | -53.91       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#0            | 1000~3000       | -38.73       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#0            | 3000~20000      | -33.12       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#0            | 0.009~0.15      | -64.81       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#0            | 0.15~30         | -52.79       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#0            | 30~1000         | -53.96       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#0            | 1000~3000       | -39.23       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#0            | 3000~20000      | -33.50       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#0            | 0.009~0.15      | -64.26       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#0            | 0.15~30         | -54.04       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#0            | 30~1000         | -53.86       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#0            | 1000~3000       | -39.84       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#0            | 3000~20000      | -33.30       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#0            | 0.009~0.15      | -62.27       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#0            | 0.15~30         | -53.31       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#0            | 30~1000         | -53.95       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#0            | 1000~3000       | -39.96       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#0            | 3000~20000      | -32.63       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#0            | 0.009~0.15      | -61.84       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#0            | 0.15~30         | -54.12       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#0            | 30~1000         | -53.89       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#0            | 1000~3000       | -39.96       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#0            | 3000~20000      | -33.31       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#0            | 0.009~0.15      | -61.77       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#0            | 0.15~30         | -50.79       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#0            | 30~1000         | -54.00       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#0            | 1000~3000       | -39.66       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#0            | 3000~20000      | -33.65       | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 1RB#0            | 0.009~0.15      | -63.61       | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 1RB#0            | 0.15~30         | -55.12       | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 1RB#0            | 30~1000         | -53.86       | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 1RB#0            | 1000~3000       | -45.41       | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 1RB#0            | 3000~20000      | -33.51       | PASS    |



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|       |      |       |       |       |            |        |      |
|-------|------|-------|-------|-------|------------|--------|------|
| Band4 | 3MHz | 16QAM | 19965 | 1RB#0 | 0.009~0.15 | -64.62 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#0 | 0.15~30    | -52.63 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#0 | 30~1000    | -53.86 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#0 | 1000~3000  | -45.73 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#0 | 3000~20000 | -33.31 | PASS |
| Band4 | 3MHz | QPSK  | 20175 | 1RB#0 | 0.009~0.15 | -61.85 | PASS |
| Band4 | 3MHz | QPSK  | 20175 | 1RB#0 | 0.15~30    | -53.88 | PASS |
| Band4 | 3MHz | QPSK  | 20175 | 1RB#0 | 30~1000    | -53.83 | PASS |
| Band4 | 3MHz | QPSK  | 20175 | 1RB#0 | 1000~3000  | -41.21 | PASS |
| Band4 | 3MHz | QPSK  | 20175 | 1RB#0 | 3000~20000 | -33.22 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#0 | 0.009~0.15 | -62.64 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#0 | 0.15~30    | -50.97 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#0 | 30~1000    | -54.00 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#0 | 1000~3000  | -41.36 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#0 | 3000~20000 | -33.61 | PASS |
| Band4 | 3MHz | QPSK  | 20385 | 1RB#0 | 0.009~0.15 | -60.60 | PASS |
| Band4 | 3MHz | QPSK  | 20385 | 1RB#0 | 0.15~30    | -53.19 | PASS |
| Band4 | 3MHz | QPSK  | 20385 | 1RB#0 | 30~1000    | -53.88 | PASS |
| Band4 | 3MHz | QPSK  | 20385 | 1RB#0 | 1000~3000  | -45.40 | PASS |
| Band4 | 3MHz | QPSK  | 20385 | 1RB#0 | 3000~20000 | -33.04 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#0 | 0.009~0.15 | -63.72 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#0 | 0.15~30    | -51.24 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#0 | 30~1000    | -53.93 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#0 | 1000~3000  | -44.03 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#0 | 3000~20000 | -33.60 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 1RB#0 | 0.009~0.15 | -64.35 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 1RB#0 | 0.15~30    | -52.04 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 1RB#0 | 30~1000    | -53.86 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 1RB#0 | 1000~3000  | -47.47 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 1RB#0 | 3000~20000 | -33.46 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0 | 0.009~0.15 | -63.91 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0 | 0.15~30    | -51.43 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0 | 30~1000    | -53.91 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0 | 1000~3000  | -47.32 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0 | 3000~20000 | -33.10 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 1RB#0 | 0.009~0.15 | -62.10 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 1RB#0 | 0.15~30    | -54.26 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 1RB#0 | 30~1000    | -53.85 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 1RB#0 | 1000~3000  | -47.87 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 1RB#0 | 3000~20000 | -32.91 | PASS |



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|-------|-------|-------|-------|-------|------------|--------|------|
| Band4 | 5MHz  | 16QAM | 20175 | 1RB#0 | 0.009~0.15 | -63.67 | PASS |
| Band4 | 5MHz  | 16QAM | 20175 | 1RB#0 | 0.15~30    | -52.90 | PASS |
| Band4 | 5MHz  | 16QAM | 20175 | 1RB#0 | 30~1000    | -53.89 | PASS |
| Band4 | 5MHz  | 16QAM | 20175 | 1RB#0 | 1000~3000  | -47.75 | PASS |
| Band4 | 5MHz  | 16QAM | 20175 | 1RB#0 | 3000~20000 | -33.28 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 1RB#0 | 0.009~0.15 | -62.85 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 1RB#0 | 0.15~30    | -52.93 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 1RB#0 | 30~1000    | -53.97 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 1RB#0 | 1000~3000  | -47.97 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 1RB#0 | 3000~20000 | -33.49 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 1RB#0 | 0.009~0.15 | -62.91 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 1RB#0 | 0.15~30    | -52.53 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 1RB#0 | 30~1000    | -53.83 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 1RB#0 | 1000~3000  | -24.97 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 1RB#0 | 3000~20000 | -33.65 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#0 | 0.009~0.15 | -64.29 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#0 | 0.15~30    | -53.68 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#0 | 30~1000    | -54.05 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#0 | 1000~3000  | -48.15 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#0 | 3000~20000 | -33.59 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | 0.009~0.15 | -64.86 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | 0.15~30    | -52.48 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | 30~1000    | -53.91 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | 1000~3000  | -48.06 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | 3000~20000 | -33.07 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#0 | 0.009~0.15 | -63.45 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#0 | 0.15~30    | -53.20 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#0 | 30~1000    | -54.00 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#0 | 1000~3000  | -47.98 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#0 | 3000~20000 | -33.00 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | 0.009~0.15 | -62.81 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | 0.15~30    | -52.35 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | 30~1000    | -53.95 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | 1000~3000  | -48.10 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | 3000~20000 | -33.43 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#0 | 0.009~0.15 | -61.17 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#0 | 0.15~30    | -52.94 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#0 | 30~1000    | -53.90 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#0 | 1000~3000  | -47.95 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#0 | 3000~20000 | -33.21 | PASS |



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|-------|-------|-------|-------|-------|------------|--------|------|
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | 0.009~0.15 | -63.89 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | 0.15~30    | -52.77 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | 30~1000    | -53.94 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | 1000~3000  | -48.27 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | 3000~20000 | -33.34 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#0 | 0.009~0.15 | -64.43 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#0 | 0.15~30    | -55.07 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#0 | 30~1000    | -53.91 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#0 | 1000~3000  | -48.12 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#0 | 3000~20000 | -33.24 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | 0.009~0.15 | -62.19 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | 0.15~30    | -54.86 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | 30~1000    | -53.94 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | 1000~3000  | -48.16 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | 3000~20000 | -32.88 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#0 | 0.009~0.15 | -60.79 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#0 | 0.15~30    | -54.58 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#0 | 30~1000    | -53.98 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#0 | 1000~3000  | -47.99 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#0 | 3000~20000 | -33.43 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | 0.009~0.15 | -62.58 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | 0.15~30    | -54.07 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | 30~1000    | -53.94 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | 1000~3000  | -48.07 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | 3000~20000 | -33.38 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#0 | 0.009~0.15 | -62.47 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#0 | 0.15~30    | -51.95 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#0 | 30~1000    | -53.80 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#0 | 1000~3000  | -47.70 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#0 | 3000~20000 | -33.48 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | 0.009~0.15 | -64.01 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | 0.15~30    | -51.40 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | 30~1000    | -53.90 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | 1000~3000  | -48.08 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | 3000~20000 | -33.57 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#0 | 0.009~0.15 | -63.52 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#0 | 0.15~30    | -51.63 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#0 | 30~1000    | -53.91 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#0 | 1000~3000  | -47.95 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#0 | 3000~20000 | -33.31 | PASS |



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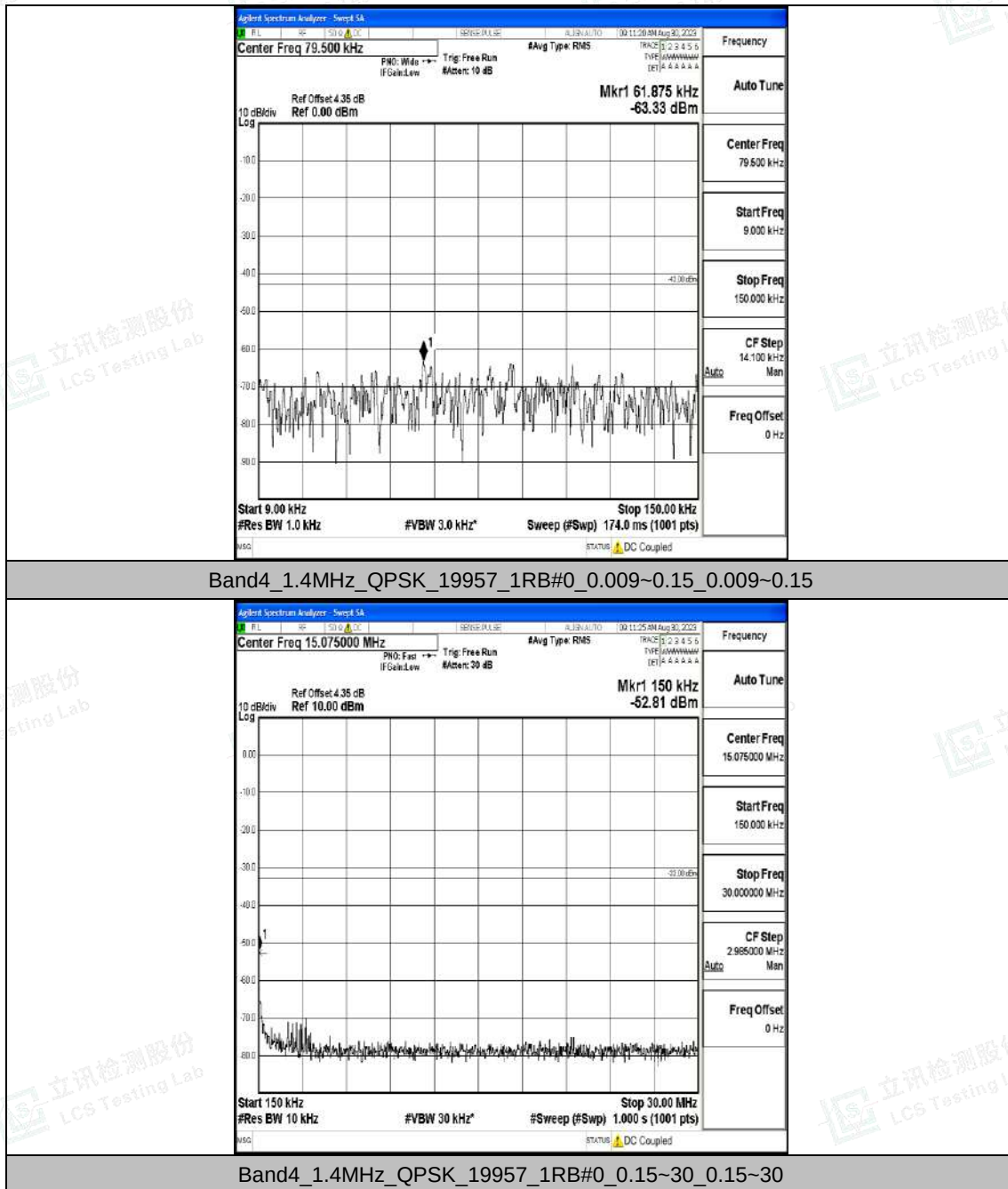
|       |       |       |       |       |            |        |      |
|-------|-------|-------|-------|-------|------------|--------|------|
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | 0.009~0.15 | -63.58 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | 0.15~30    | -54.65 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | 30~1000    | -53.97 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | 1000~3000  | -47.77 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | 3000~20000 | -33.39 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#0 | 0.009~0.15 | -64.01 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#0 | 0.15~30    | -53.29 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#0 | 30~1000    | -53.91 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#0 | 1000~3000  | -47.52 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#0 | 3000~20000 | -33.32 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | 0.009~0.15 | -65.36 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | 0.15~30    | -53.18 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | 30~1000    | -53.84 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | 1000~3000  | -47.92 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | 3000~20000 | -33.23 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#0 | 0.009~0.15 | -62.97 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#0 | 0.15~30    | -53.42 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#0 | 30~1000    | -53.90 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#0 | 1000~3000  | -48.13 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#0 | 3000~20000 | -33.25 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | 0.009~0.15 | -62.71 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | 0.15~30    | -53.72 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | 30~1000    | -53.83 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | 1000~3000  | -47.86 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | 3000~20000 | -33.53 | PASS |



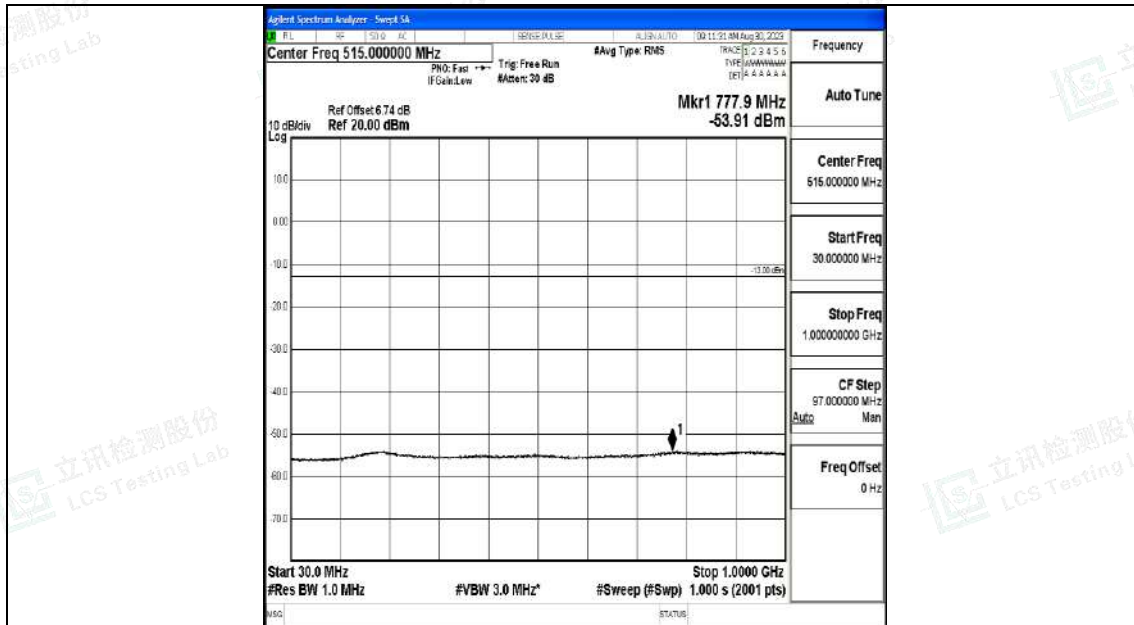




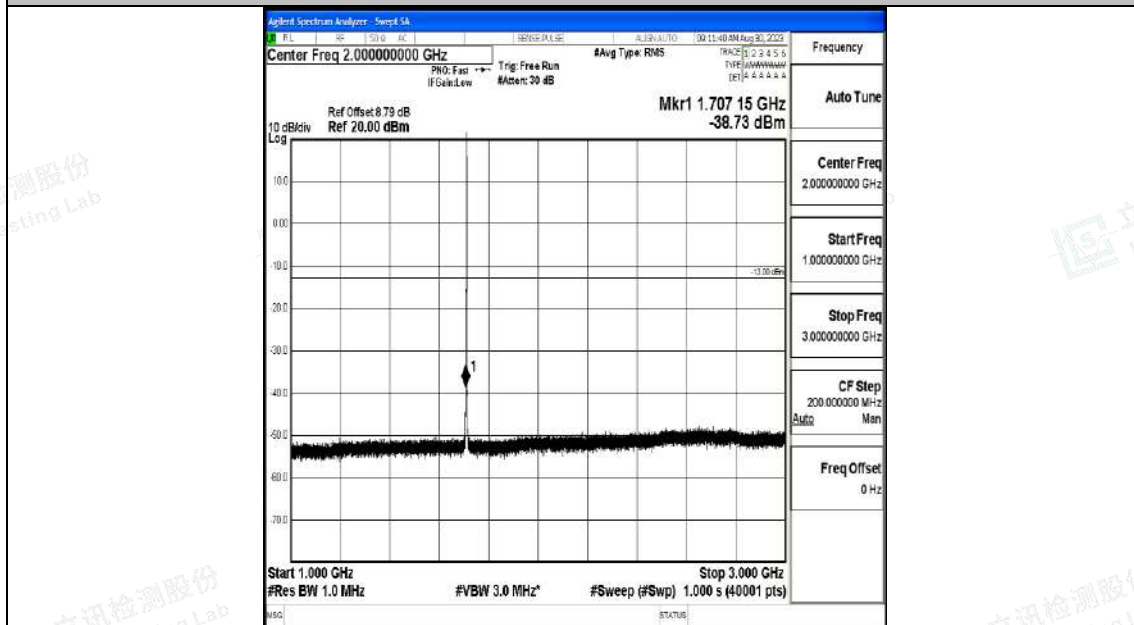
## Test Graphs







Band4\_1.4MHz\_QPSK\_19957\_1RB#0\_30~1000\_30~1000



Band4\_1.4MHz\_QPSK\_19957\_1RB#0\_1000~3000\_1000~3000

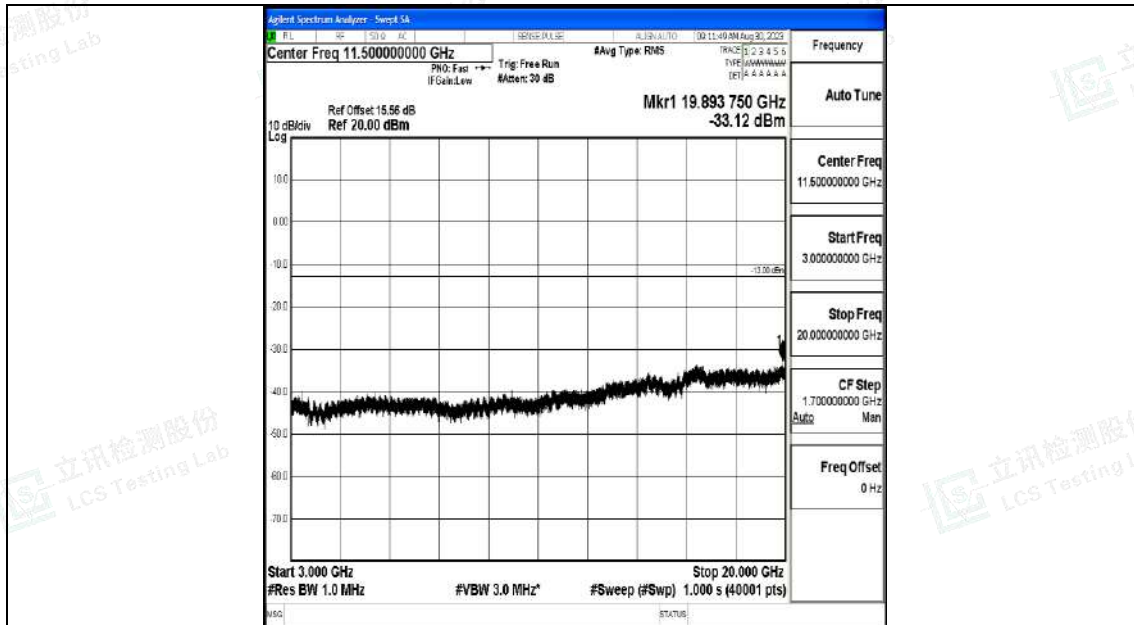


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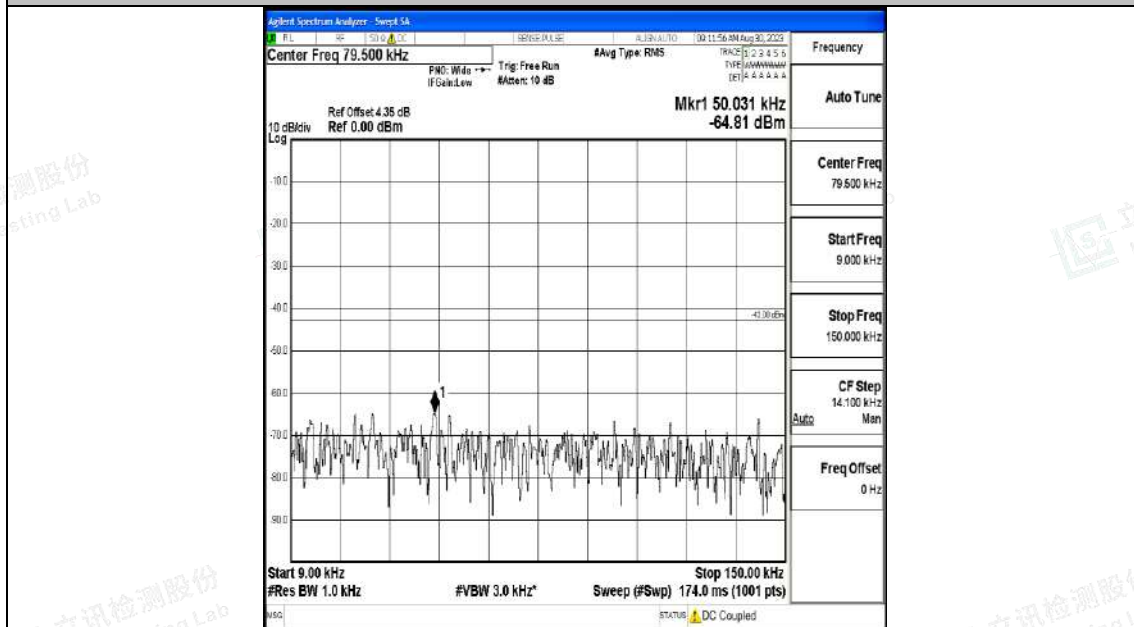
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Band4\_1.4MHz\_QPSK\_19957\_1RB#0\_3000~20000\_3000~20000



Band4\_1.4MHz\_16QAM\_19957\_1RB#0\_0.009~0.15\_0.009~0.15

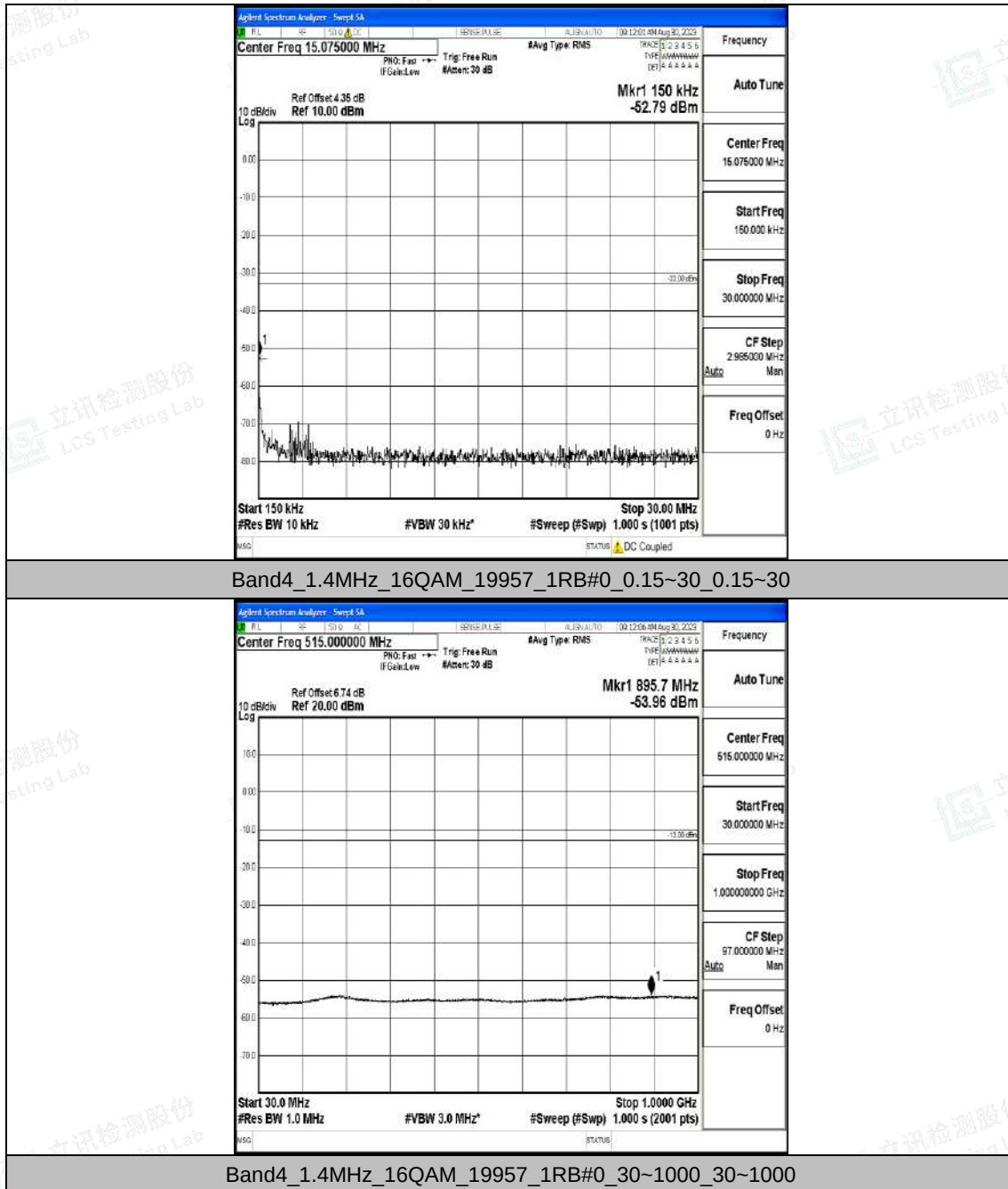


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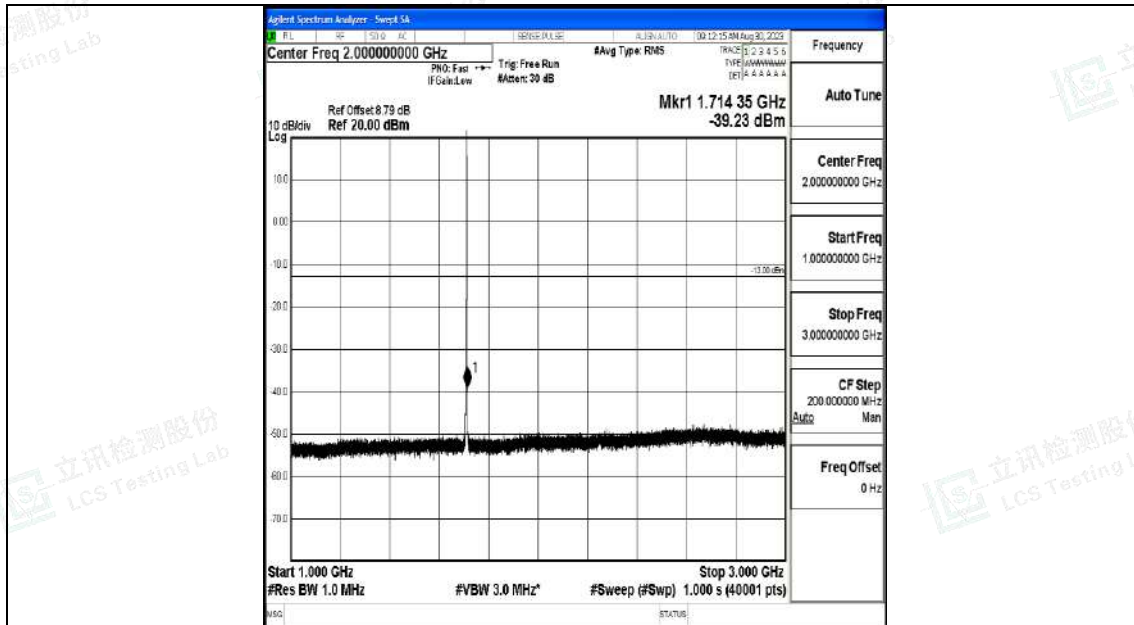


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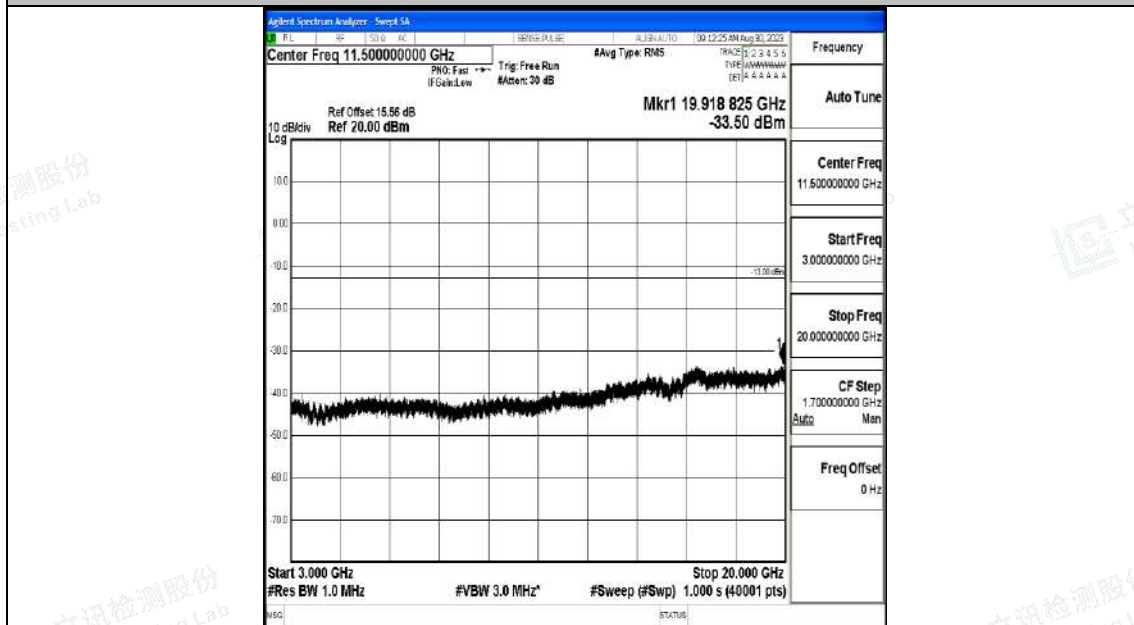
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Band4\_1.4MHz\_16QAM\_19957\_1RB#0\_1000~3000\_1000~3000



Band4\_1.4MHz\_16QAM\_19957\_1RB#0\_3000~20000\_3000~20000

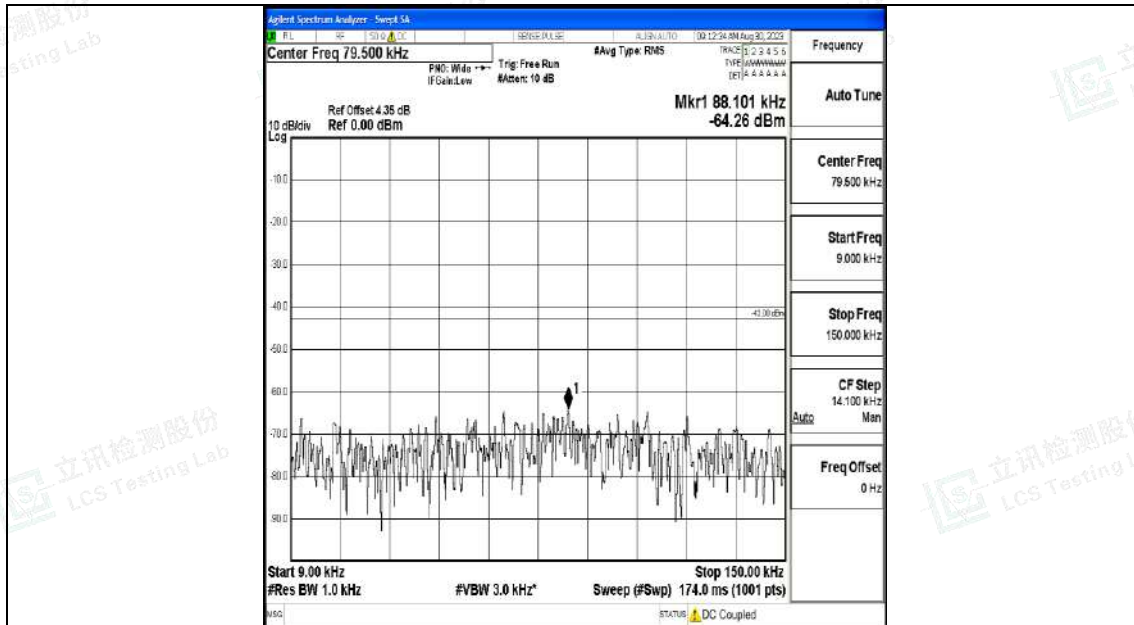


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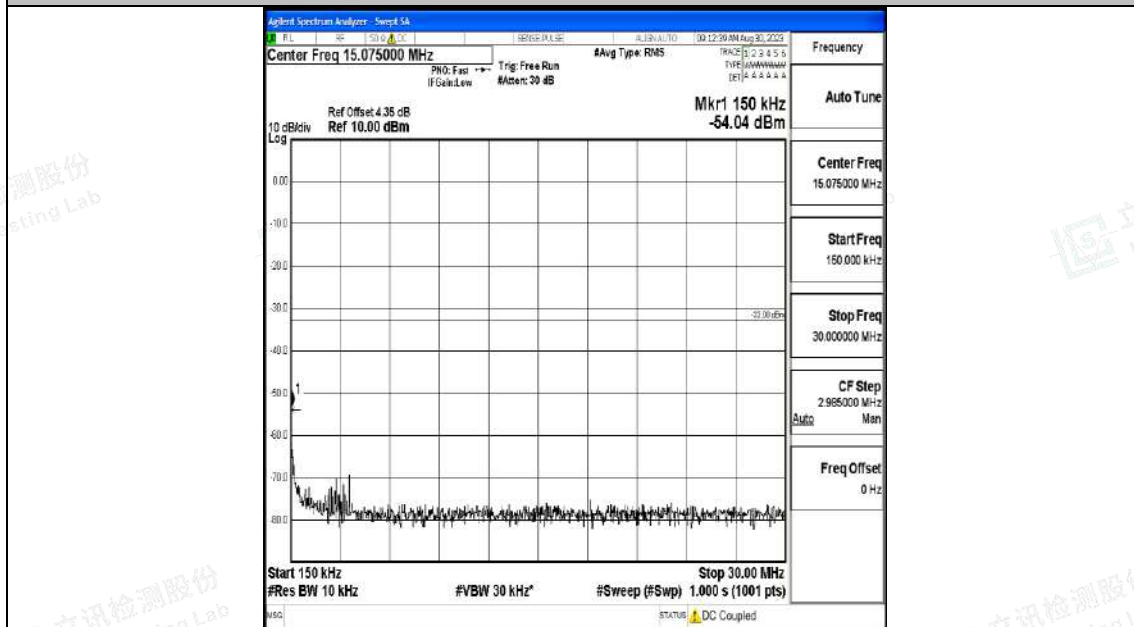
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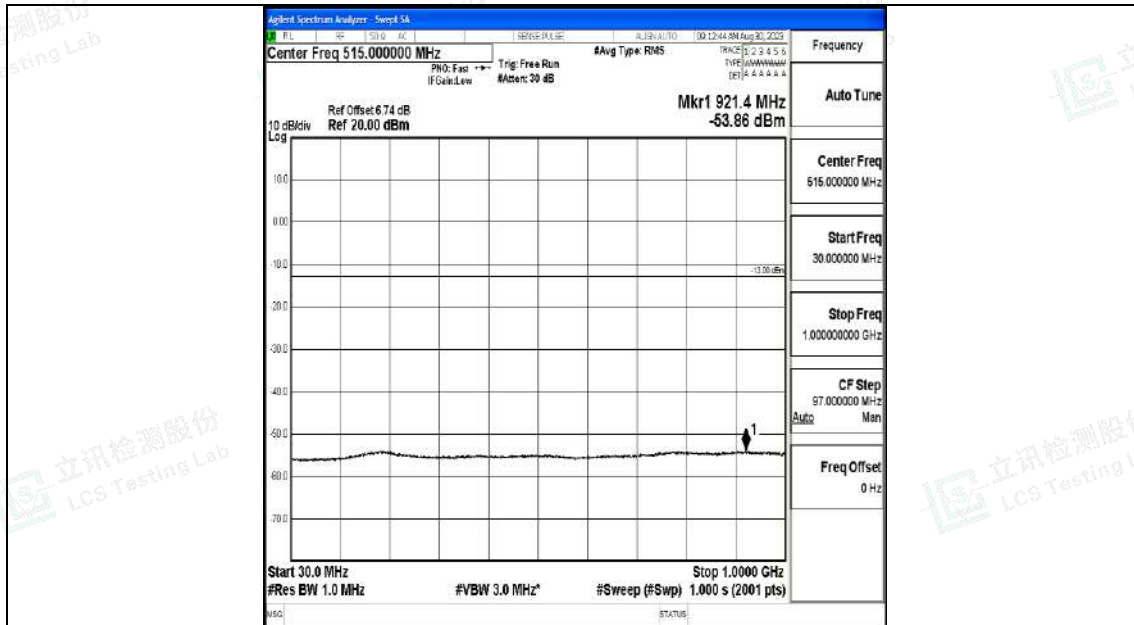
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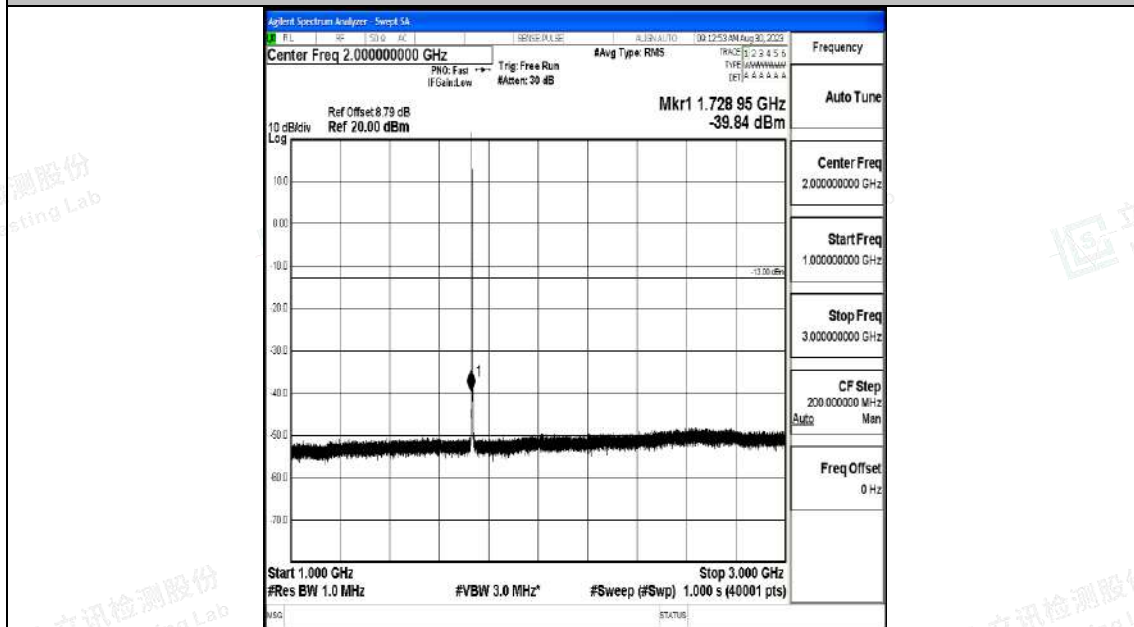
Band4\_1.4MHz\_QPSK\_20175\_1RB#0\_0.15~30\_0.15~30







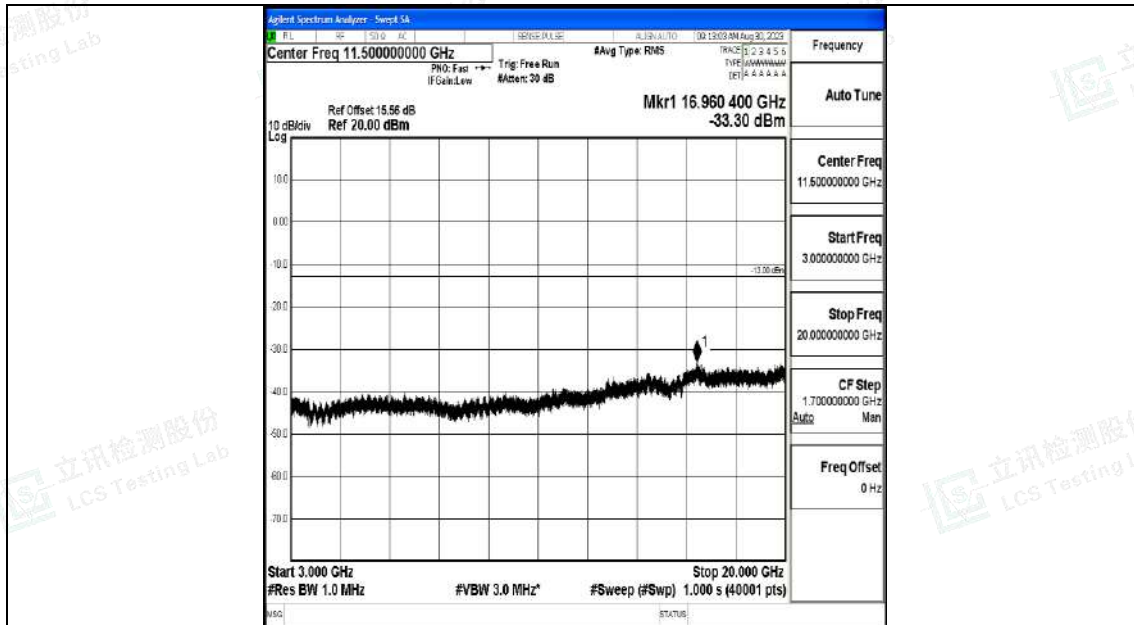
Band4\_1.4MHz\_QPSK\_20175\_1RB#0\_30~1000\_30~1000



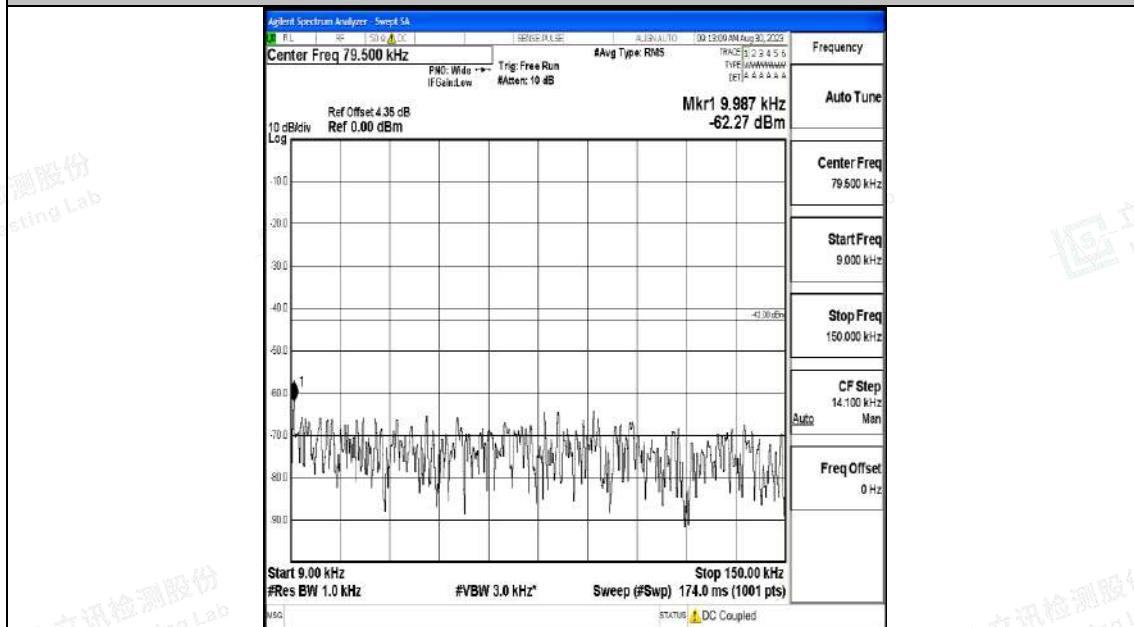
Band4\_1.4MHz\_QPSK\_20175\_1RB#0\_1000~3000\_1000~3000







Band4\_1.4MHz\_QPSK\_20175\_1RB#0\_3000~20000\_3000~20000



Band4\_1.4MHz\_16QAM\_20175\_1RB#0\_0.009~0.15\_0.009~0.15

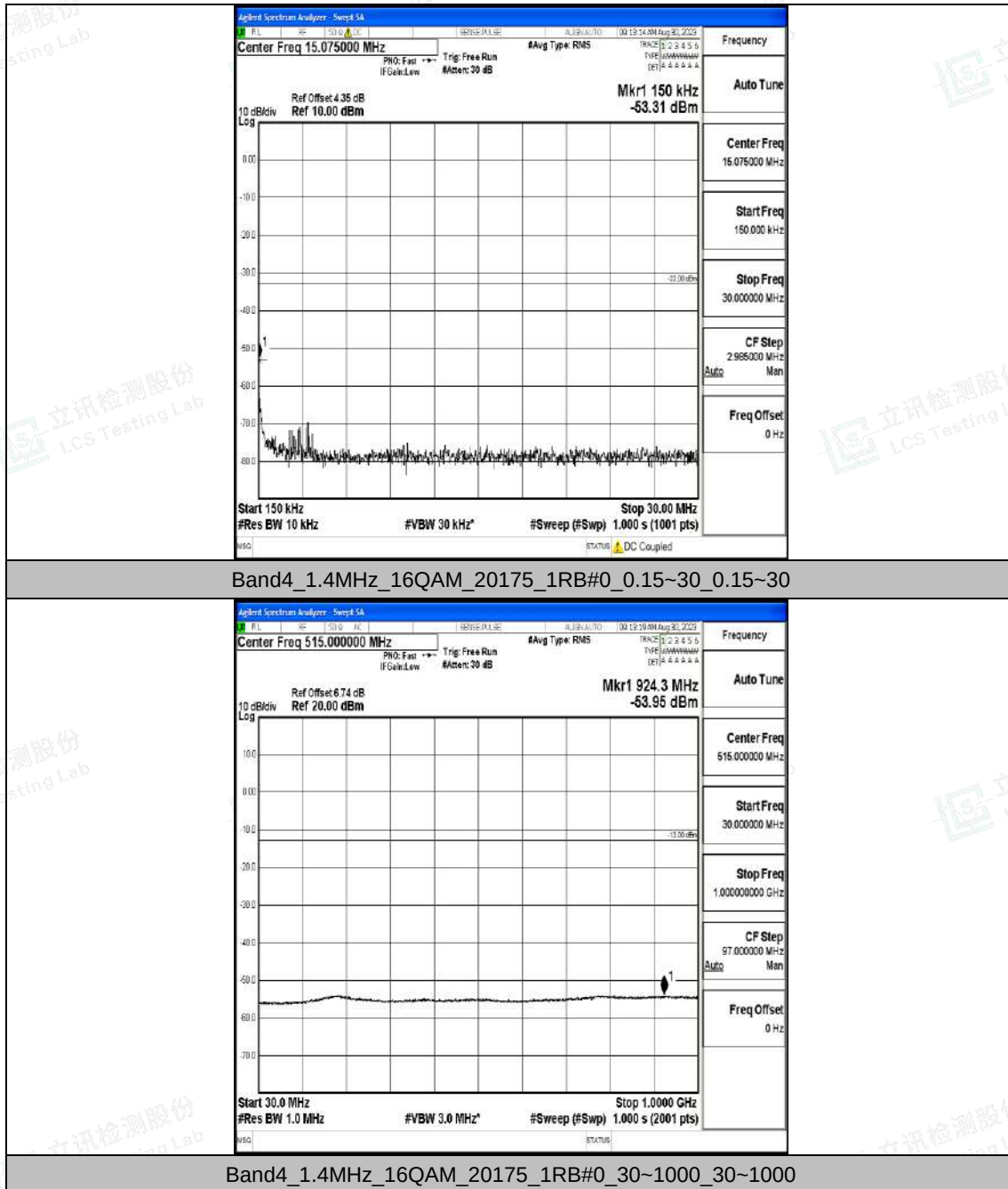


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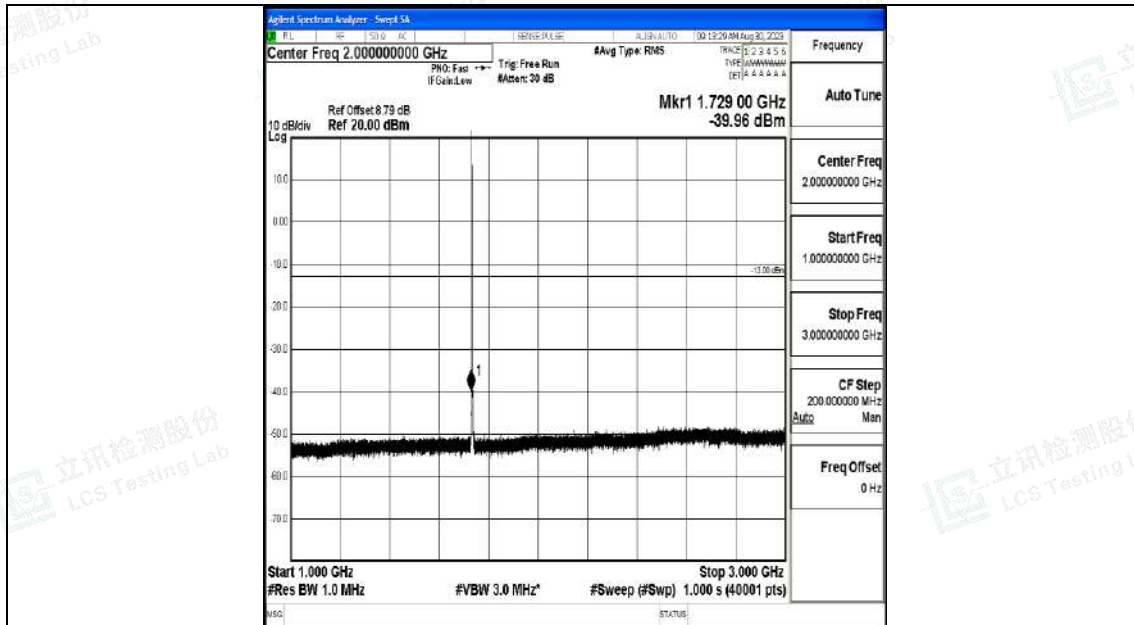


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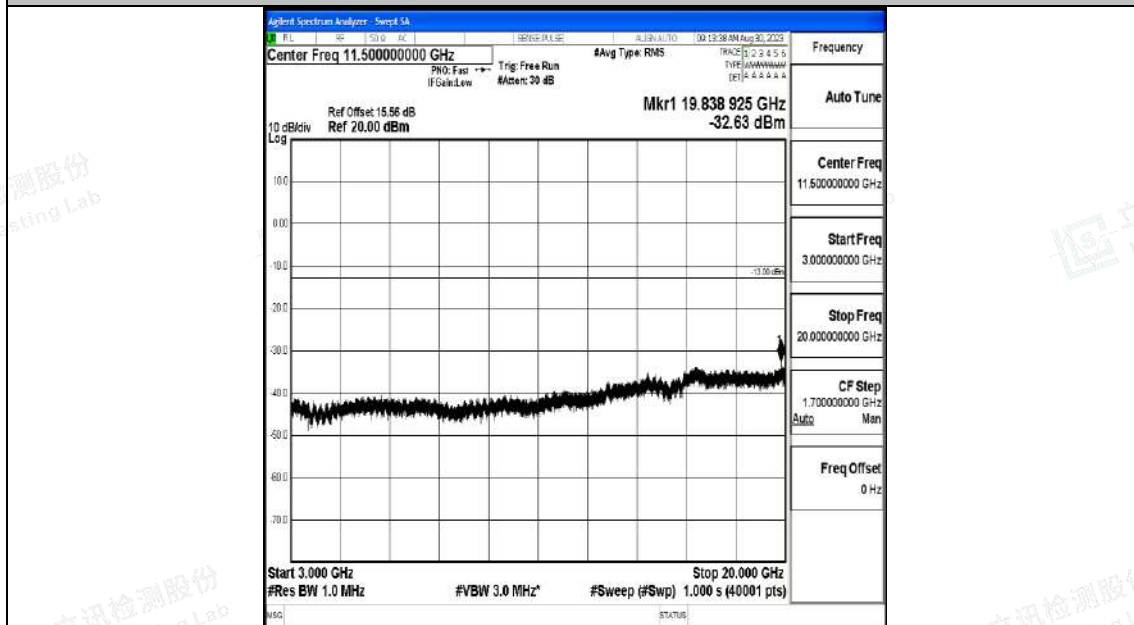
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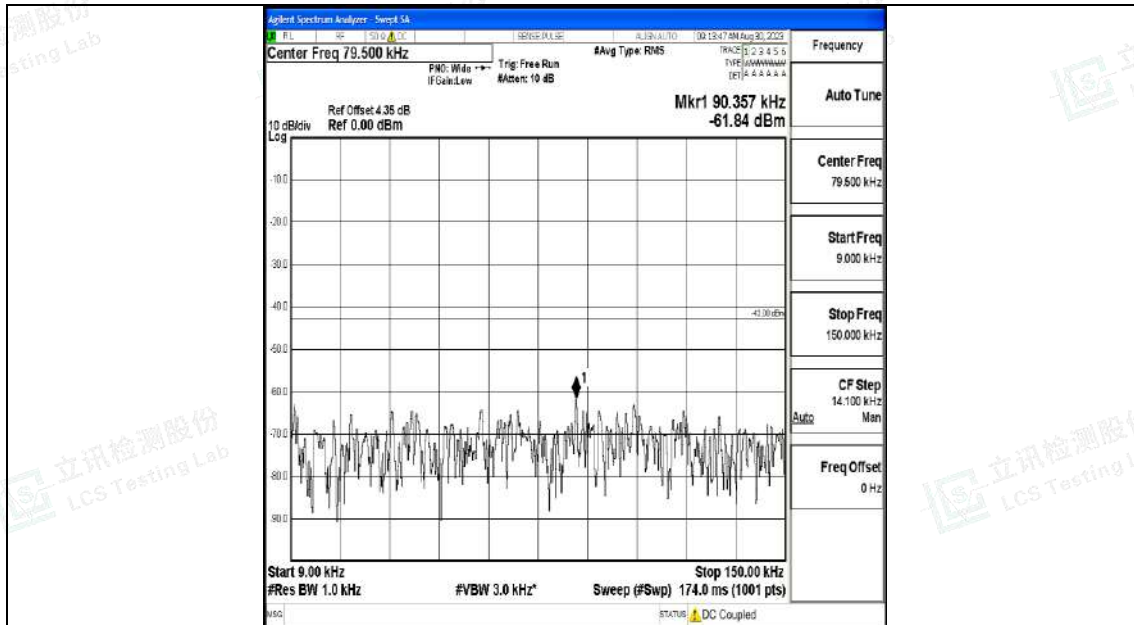


Band4\_1.4MHz\_16QAM\_20175\_1RB#0\_1000~3000\_1000~3000

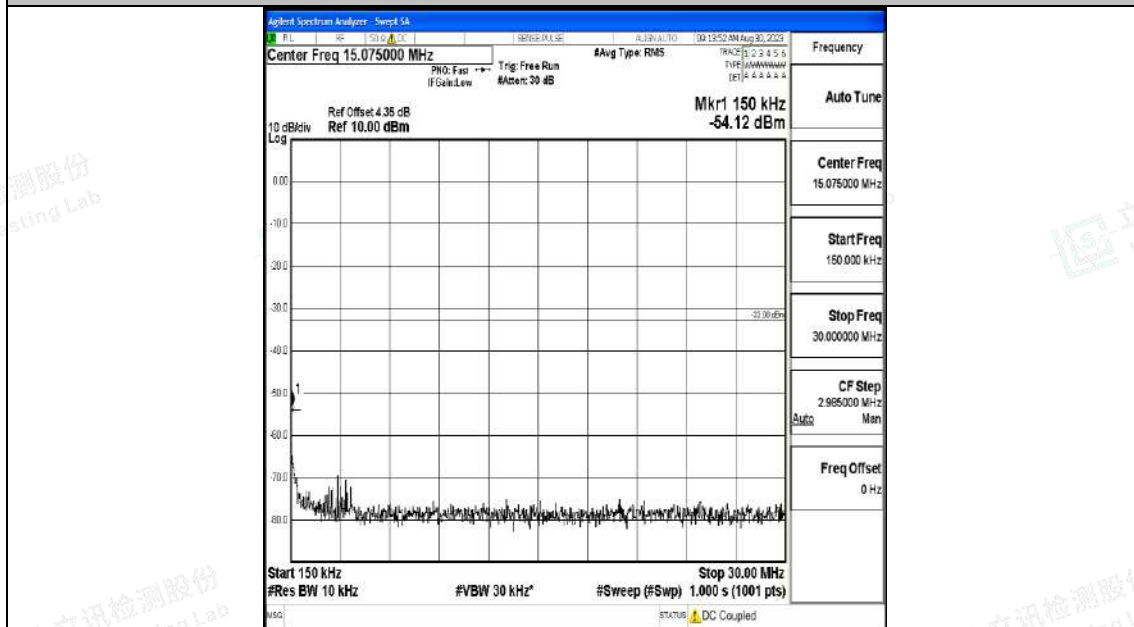


Band4\_1.4MHz\_16QAM\_20175\_1RB#0\_3000~20000\_3000~20000





Band4\_1.4MHz\_QPSK\_20393\_1RB#0\_0.009~0.15\_0.009~0.15



Band4\_1.4MHz\_QPSK\_20393\_1RB#0\_0.15~30\_0.15~30

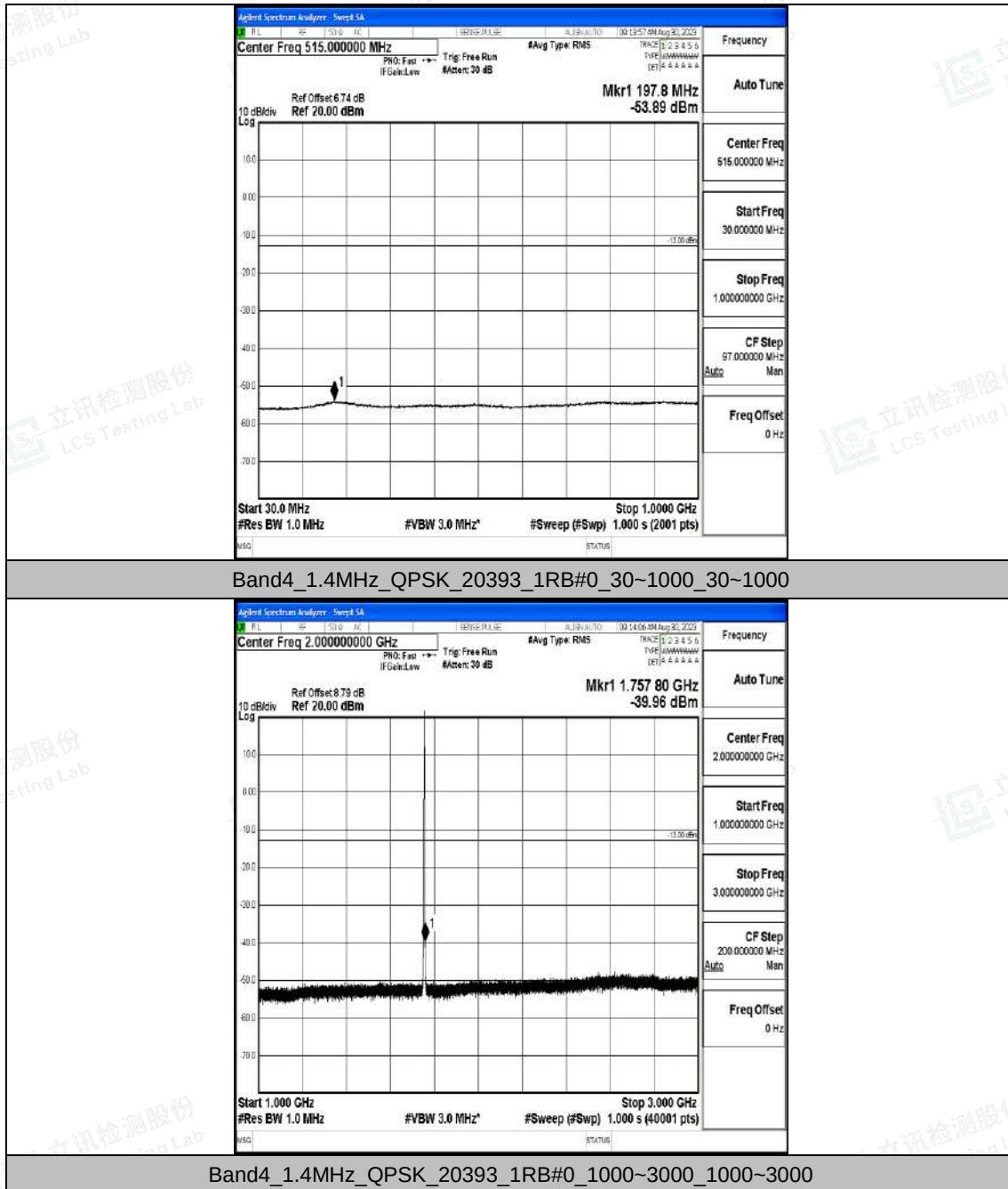


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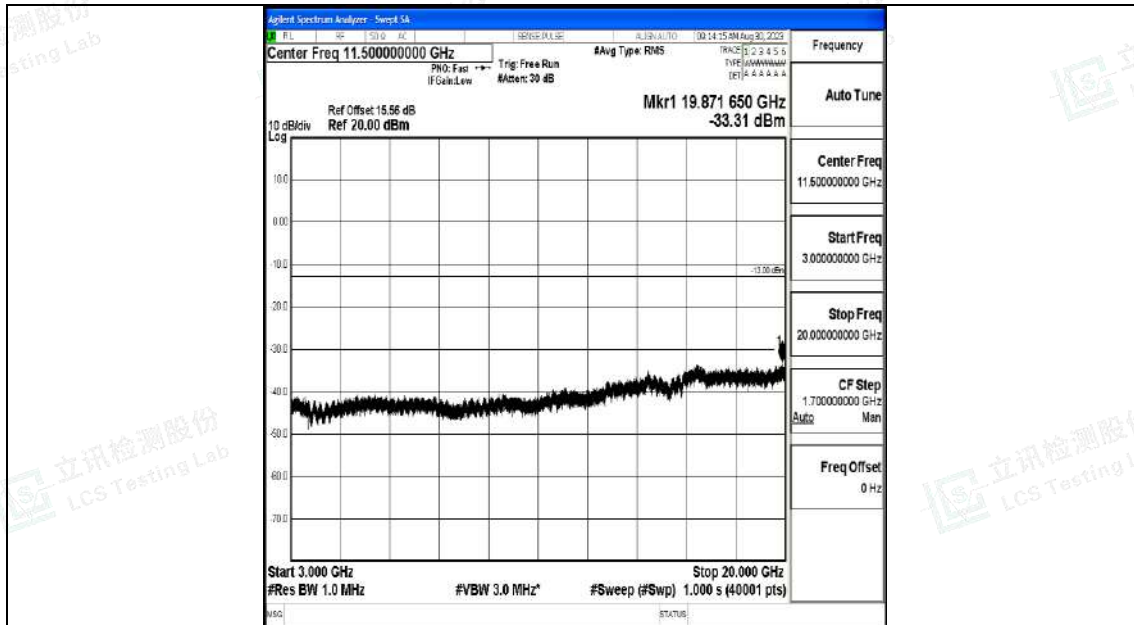
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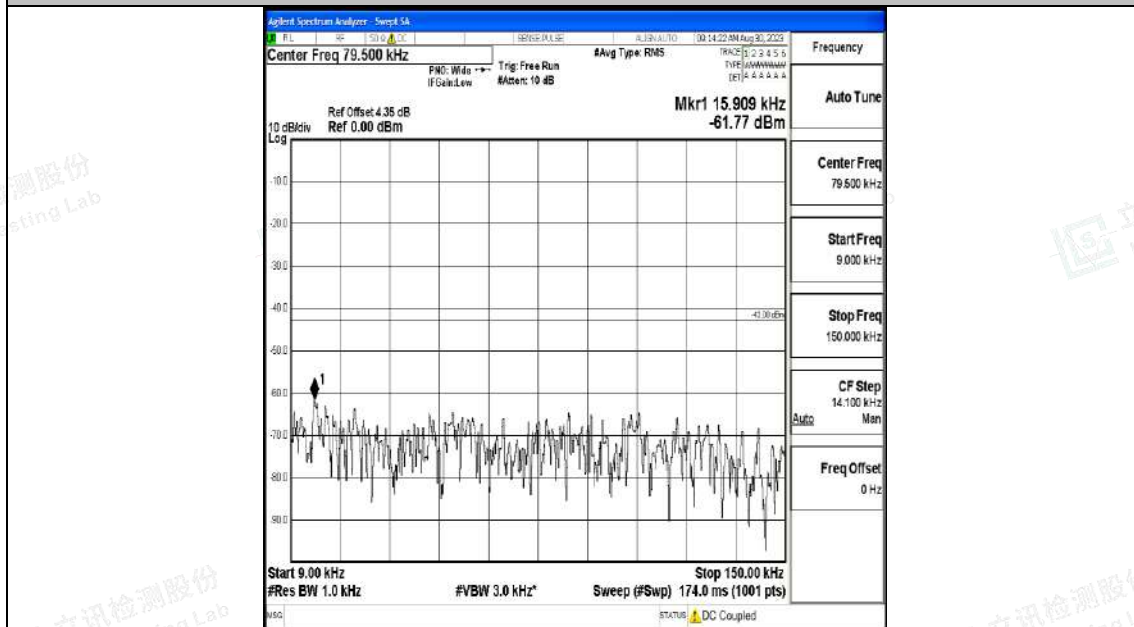
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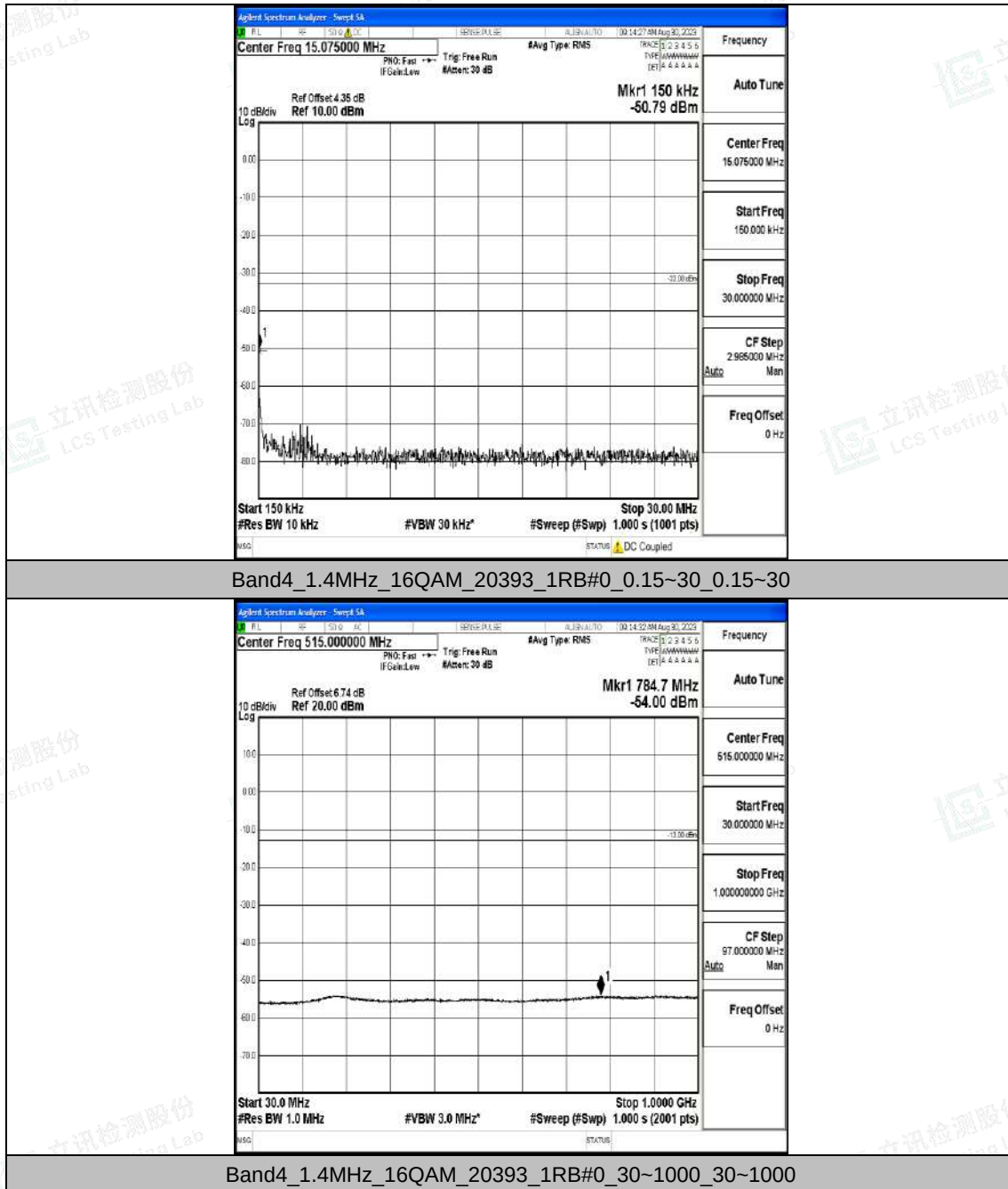
Band4\_1.4MHz\_QPSK\_20393\_1RB#0\_3000~20000\_3000~20000



Band4\_1.4MHz\_16QAM\_20393\_1RB#0\_0.009~0.15\_0.009~0.15





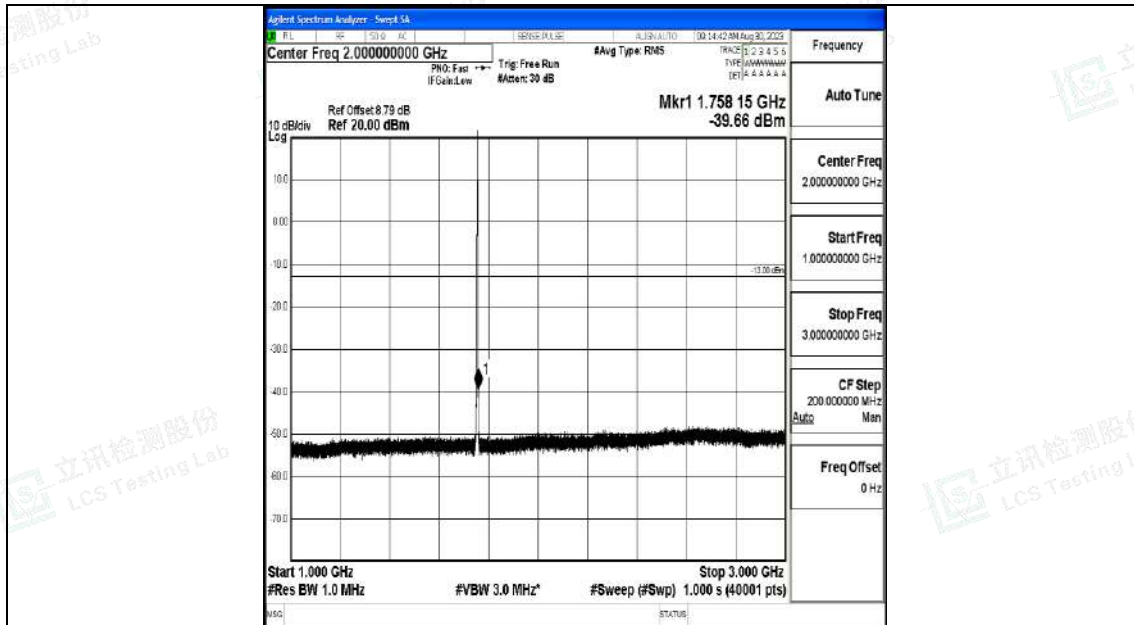


Shenzhen LCS Compliance Testing Laboratory Ltd.

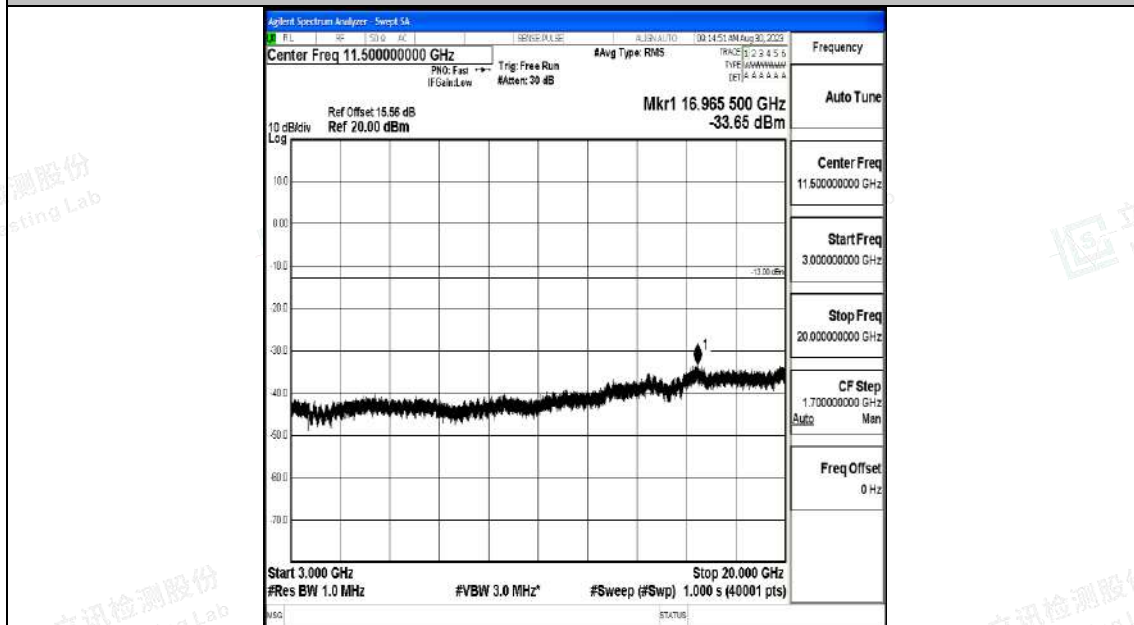
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Band4\_1.4MHz\_16QAM\_20393\_1RB#0\_1000~3000\_1000~3000



Band4\_1.4MHz\_16QAM\_20393\_1RB#0\_3000~20000\_3000~20000

