



Appendix E: Test Data for E-UTRA Band 4

Product Name: Smart POS

Test Model: WIZARPOS Q3B

Environmental Conditions

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





E.1 Conducted Power Output Data

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|---------|
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#0 | 22.47 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#0 | 22.64 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#2 | 22.49 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#2 | 22.59 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#5 | 22.58 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#5 | 22.09 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 3RB#0 | 22.47 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 3RB#0 | 21.54 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 3RB#1 | 22.48 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 3RB#1 | 21.53 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 3RB#3 | 22.46 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 3RB#3 | 21.53 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 6RB#0 | 21.67 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 6RB#0 | 21.06 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#0 | 22.32 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#0 | 21.21 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#2 | 22.15 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#2 | 21.21 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#5 | 22.22 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#5 | 21.16 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 3RB#0 | 22.19 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 3RB#0 | 21.29 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 3RB#1 | 22.17 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 3RB#1 | 21.25 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 3RB#3 | 22.29 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 3RB#3 | 21.24 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 6RB#0 | 21.37 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 6RB#0 | 20.78 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#0 | 22.46 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#0 | 22.30 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#2 | 22.50 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#2 | 22.27 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#5 | 22.52 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#5 | 22.31 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 3RB#0 | 22.48 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#0 | 21.26 | PASS |



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 Scan code to check authenticity



| | | | | | | |
|-------|--------|-------|-------|--------|-------|------|
| Band4 | 1.4MHz | QPSK | 20393 | 3RB#1 | 22.50 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#1 | 21.27 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 3RB#3 | 22.47 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#3 | 21.25 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 6RB#0 | 21.65 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0 | 21.01 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#0 | 22.37 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#0 | 21.86 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#8 | 22.48 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#8 | 21.83 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#14 | 22.42 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#14 | 21.76 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 8RB#0 | 21.72 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 8RB#0 | 21.12 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 8RB#4 | 21.75 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 8RB#4 | 21.12 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 8RB#7 | 21.69 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 8RB#7 | 21.08 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 15RB#0 | 21.67 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 15RB#0 | 21.09 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#0 | 22.30 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#0 | 21.29 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#8 | 22.24 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#8 | 21.21 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#14 | 22.28 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#14 | 21.16 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 8RB#0 | 21.46 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 8RB#0 | 20.90 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 8RB#4 | 21.33 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 8RB#4 | 20.90 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 8RB#7 | 21.36 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 8RB#7 | 20.88 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 15RB#0 | 21.40 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 15RB#0 | 20.66 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#0 | 22.26 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#0 | 21.55 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#8 | 22.33 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#8 | 21.61 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#14 | 22.35 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#14 | 21.42 | PASS |





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|-------|------|-------|-------|---------|-------|------|
| Band4 | 3MHz | QPSK | 20385 | 8RB#0 | 21.71 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#0 | 20.96 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 8RB#4 | 21.65 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#4 | 21.06 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 8RB#7 | 21.67 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#7 | 21.00 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 15RB#0 | 21.64 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0 | 20.85 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#0 | 22.57 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0 | 21.33 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#12 | 22.48 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#12 | 21.26 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#24 | 22.42 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#24 | 21.36 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 12RB#0 | 21.75 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#0 | 21.02 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 12RB#6 | 21.75 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#6 | 21.03 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 12RB#13 | 21.67 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#13 | 21.01 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 25RB#0 | 21.71 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0 | 21.09 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#0 | 22.16 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#0 | 21.92 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#12 | 22.10 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#12 | 21.89 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#24 | 22.10 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#24 | 21.83 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 12RB#0 | 21.45 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#0 | 20.87 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 12RB#6 | 21.45 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#6 | 20.81 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 12RB#13 | 21.43 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#13 | 20.82 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 25RB#0 | 21.45 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 25RB#0 | 20.85 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#0 | 22.28 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#0 | 21.06 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#12 | 22.32 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#12 | 21.18 | PASS |





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|-------|-------|-------|-------|---------|-------|------|
| Band4 | 5MHz | QPSK | 20375 | 1RB#24 | 22.33 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#24 | 21.18 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 12RB#0 | 21.63 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 12RB#0 | 20.94 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 12RB#6 | 21.64 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 12RB#6 | 20.95 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 12RB#13 | 21.74 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 12RB#13 | 20.88 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 25RB#0 | 21.69 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 25RB#0 | 21.02 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#0 | 22.36 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | 21.92 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#24 | 22.33 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#24 | 21.85 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#49 | 22.29 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#49 | 21.83 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 25RB#0 | 21.70 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#0 | 21.01 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 25RB#12 | 21.72 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#12 | 21.01 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 25RB#25 | 21.64 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#25 | 20.91 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 50RB#0 | 21.66 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | 21.00 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#0 | 22.25 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | 21.66 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#24 | 22.18 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#24 | 21.61 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#49 | 22.15 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#49 | 21.57 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 25RB#0 | 21.41 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#0 | 20.94 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 25RB#12 | 21.46 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#12 | 20.96 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 25RB#25 | 21.46 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#25 | 20.94 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 50RB#0 | 21.49 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0 | 20.83 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#0 | 22.00 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | 21.37 | PASS |





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|-------|-------|-------|-------|---------|-------|------|
| Band4 | 10MHz | QPSK | 20350 | 1RB#24 | 22.08 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#24 | 21.41 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#49 | 22.18 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#49 | 21.51 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 25RB#0 | 21.54 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#0 | 20.82 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 25RB#12 | 21.55 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#12 | 20.81 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 25RB#25 | 21.66 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#25 | 20.83 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 50RB#0 | 21.64 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | 20.85 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#0 | 22.41 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | 21.91 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#38 | 22.34 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#38 | 21.83 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#74 | 22.18 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#74 | 21.73 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 38RB#0 | 21.59 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#0 | 21.64 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 38RB#18 | 21.76 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#18 | 21.66 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 38RB#37 | 21.68 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#37 | 21.64 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 75RB#0 | 21.64 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0 | 20.94 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#0 | 21.95 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | 21.82 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#38 | 21.95 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#38 | 21.77 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#74 | 21.84 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#74 | 21.67 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 38RB#0 | 21.46 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#0 | 21.43 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 38RB#18 | 21.43 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#18 | 21.43 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 38RB#37 | 21.42 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#37 | 21.45 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 75RB#0 | 21.40 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0 | 20.79 | PASS |





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|-------|-------|-------|-------|---------|-------|------|
| Band4 | 15MHz | QPSK | 20325 | 1RB#0 | 22.05 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | 21.36 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#38 | 22.09 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#38 | 21.36 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#74 | 22.26 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#74 | 21.46 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 38RB#0 | 21.65 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#0 | 21.64 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 38RB#18 | 21.63 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#18 | 21.64 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 38RB#37 | 21.64 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#37 | 21.64 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 75RB#0 | 21.64 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0 | 20.81 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#0 | 22.87 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | 21.73 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#49 | 22.77 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#49 | 21.63 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#99 | 22.58 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#99 | 21.44 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 50RB#0 | 21.66 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#0 | 21.10 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 50RB#25 | 21.70 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#25 | 21.12 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 50RB#50 | 21.52 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#50 | 20.83 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 100RB#0 | 21.66 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | 20.88 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#0 | 22.31 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | 22.21 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#49 | 22.16 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#49 | 22.04 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#99 | 22.21 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#99 | 21.88 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 50RB#0 | 21.45 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#0 | 20.84 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 50RB#25 | 21.51 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#25 | 20.89 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 50RB#50 | 21.43 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#50 | 20.76 | PASS |





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|-------|-------|-------|-------|---------|-------|------|
| Band4 | 20MHz | QPSK | 20175 | 100RB#0 | 21.49 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | 20.92 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#0 | 22.57 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | 21.08 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#49 | 22.54 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#49 | 21.15 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#99 | 22.78 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#99 | 21.29 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 50RB#0 | 21.53 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#0 | 20.87 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 50RB#25 | 21.41 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#25 | 20.87 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 50RB#50 | 21.64 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#50 | 20.94 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 100RB#0 | 21.53 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 20.83 | PASS |





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

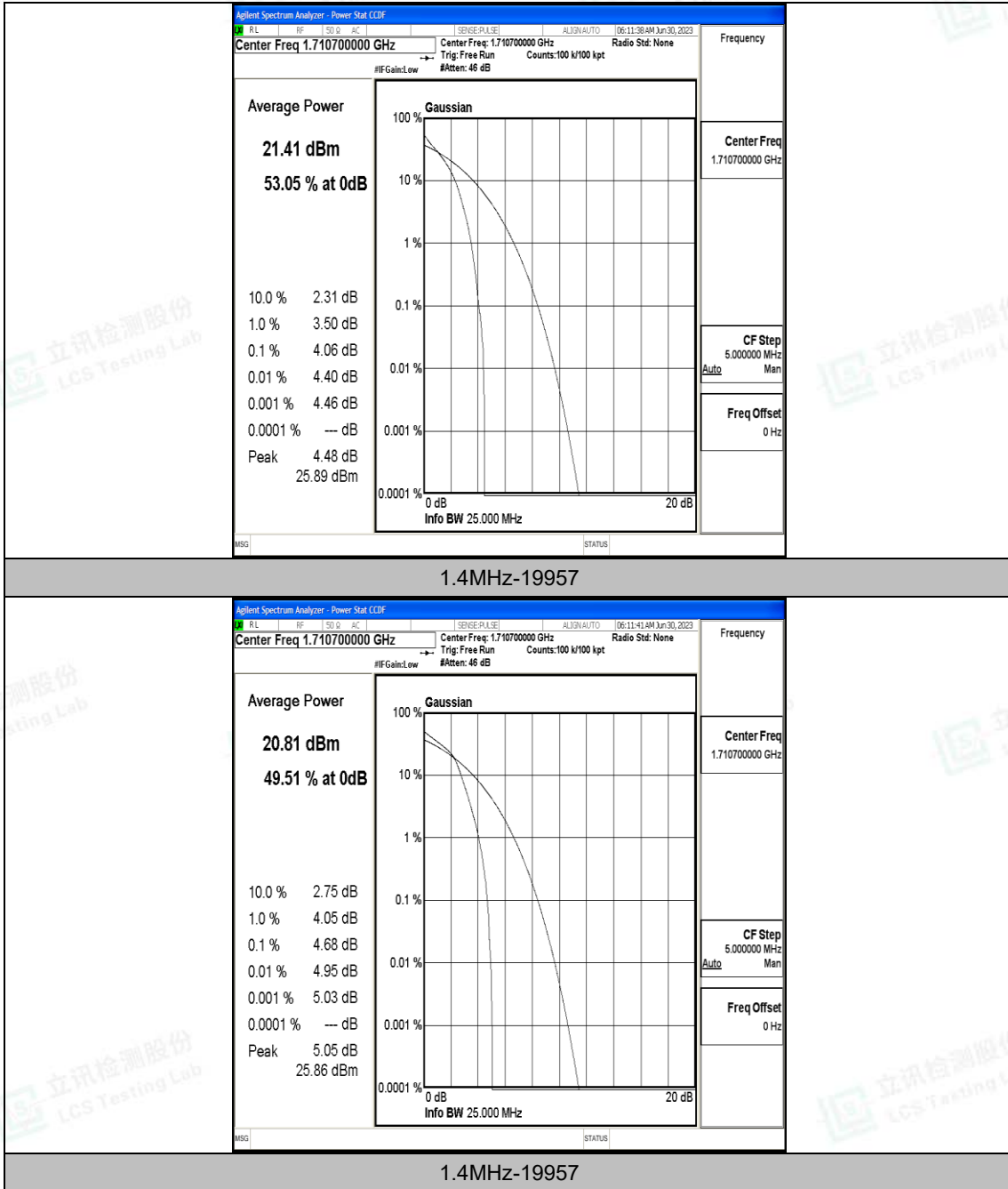
Test Result

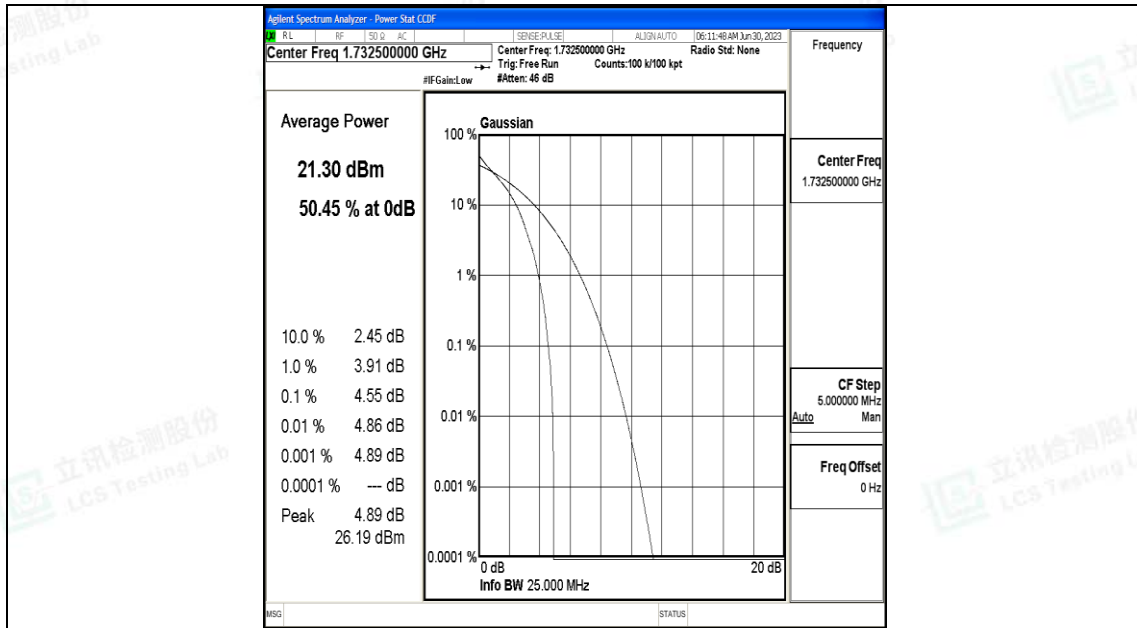
| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band4 | 1.4MHz | QPSK | 19957 | 6RB#0 | 4.06 | 13 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 6RB#0 | 4.68 | 13 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 6RB#0 | 4.55 | 13 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 6RB#0 | 5.10 | 13 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 6RB#0 | 3.97 | 13 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0 | 4.56 | 13 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 15RB#0 | 4.07 | 13 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 15RB#0 | 4.69 | 13 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 15RB#0 | 4.59 | 13 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 15RB#0 | 5.18 | 13 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 15RB#0 | 3.86 | 13 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0 | 4.64 | 13 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 25RB#0 | 4.14 | 13 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0 | 4.77 | 13 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 25RB#0 | 4.57 | 13 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 25RB#0 | 5.11 | 13 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 25RB#0 | 3.83 | 13 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 25RB#0 | 4.52 | 13 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 50RB#0 | 4.34 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | 4.97 | 13 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 50RB#0 | 4.59 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0 | 5.18 | 13 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 50RB#0 | 3.88 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | 4.57 | 13 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 75RB#0 | 4.86 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0 | 5.34 | 13 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 75RB#0 | 4.96 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0 | 5.38 | 13 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 75RB#0 | 4.35 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0 | 4.88 | 13 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 100RB#0 | 4.90 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | 5.53 | 13 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 100RB#0 | 4.87 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | 5.53 | 13 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 100RB#0 | 4.54 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 5.12 | 13 | PASS |



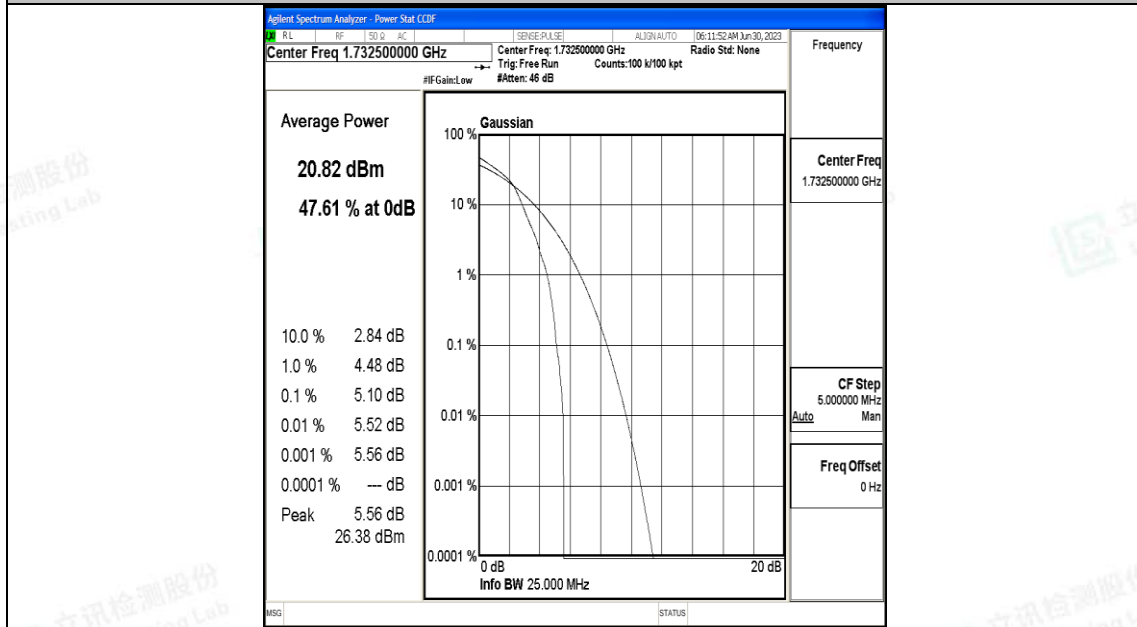


Test Graphs



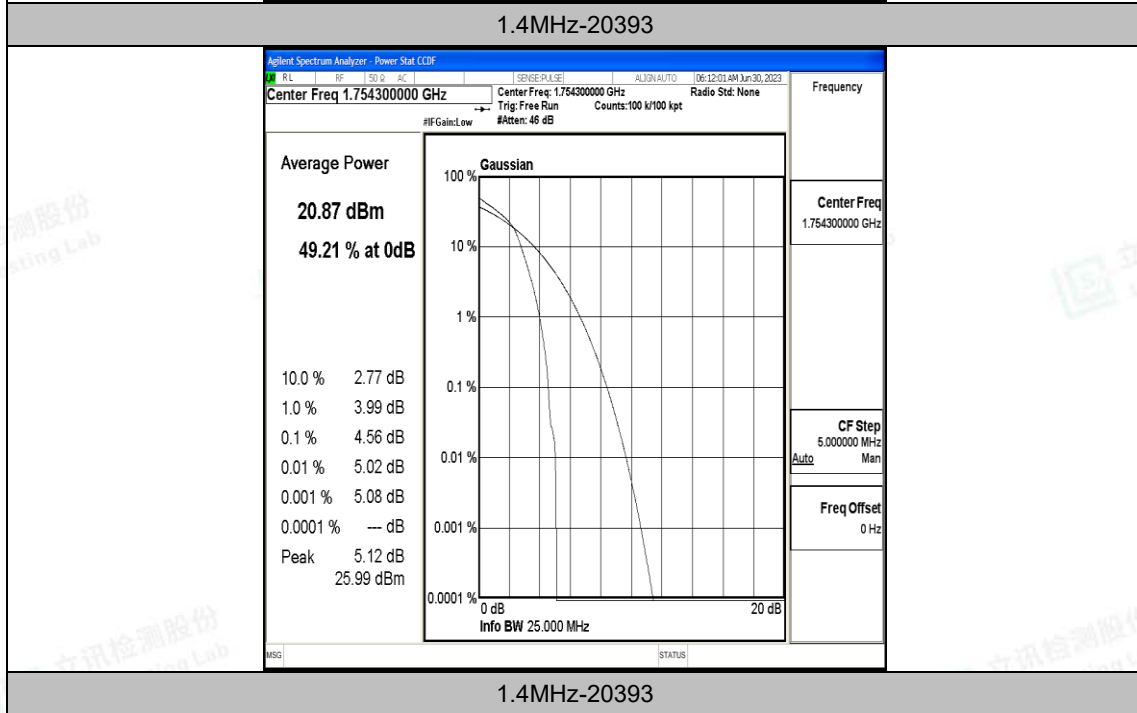
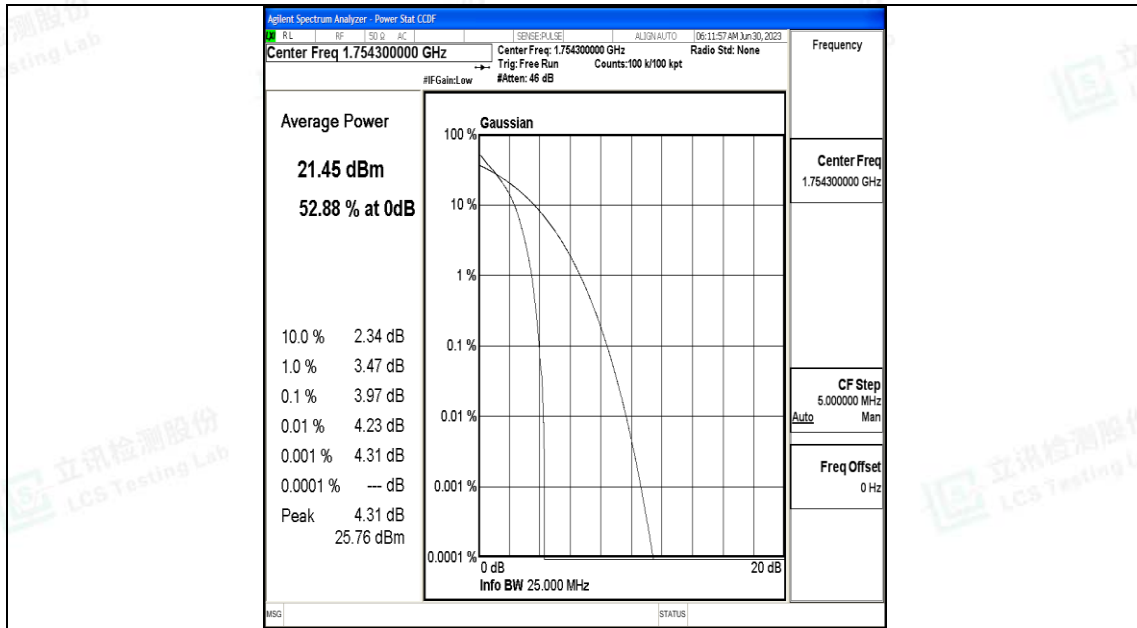


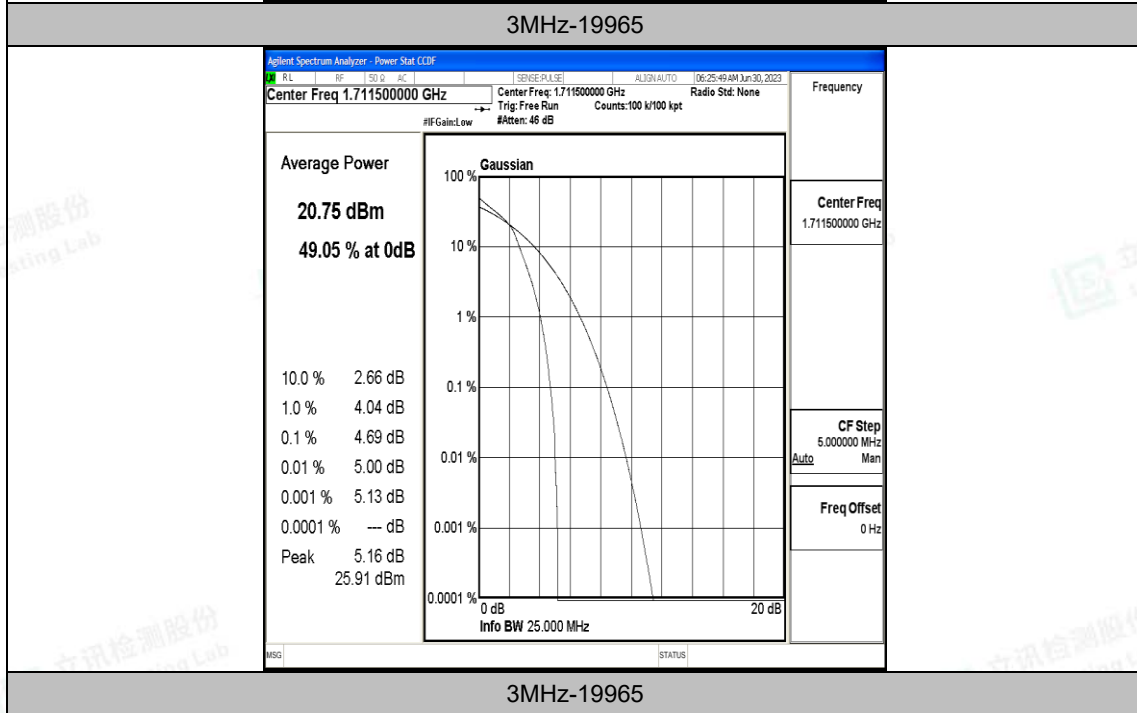
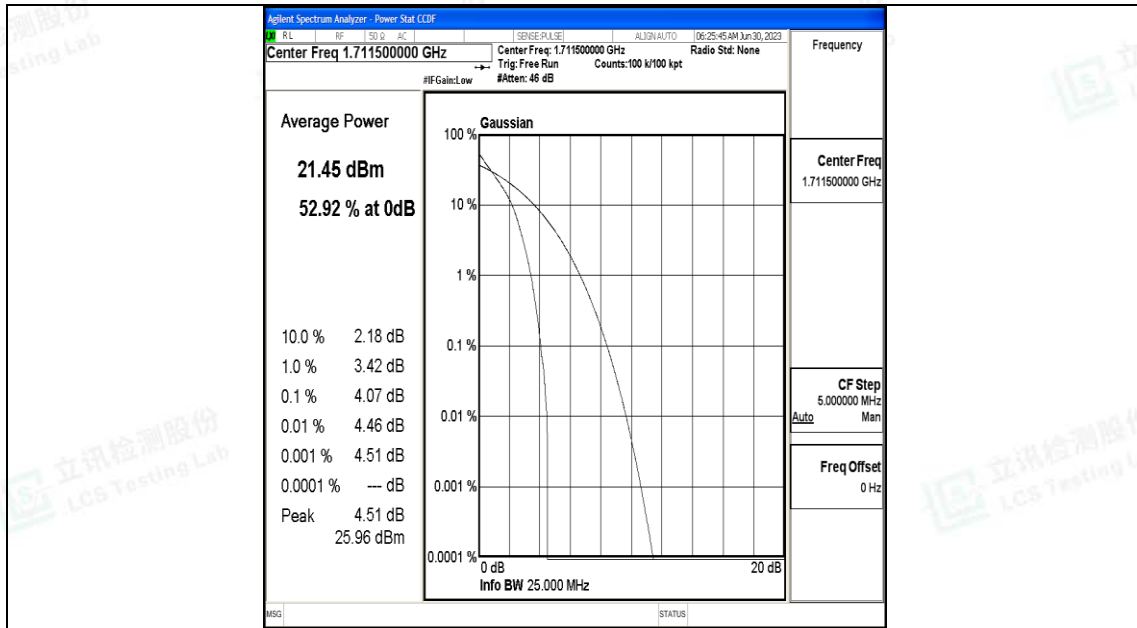
1.4MHz-20175

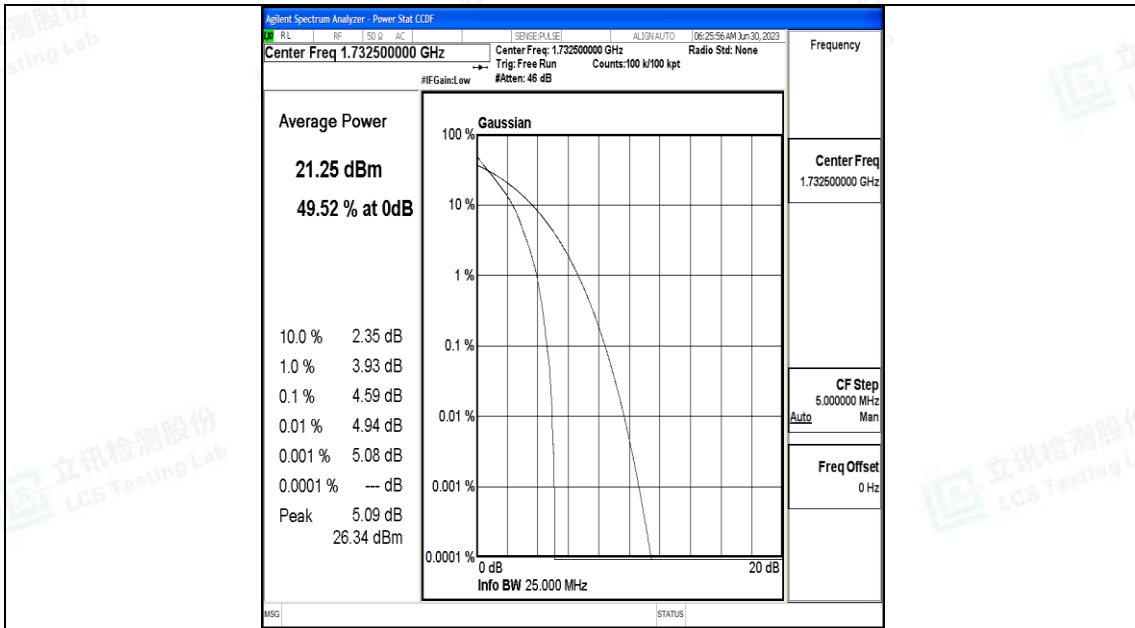


1.4MHz-20175

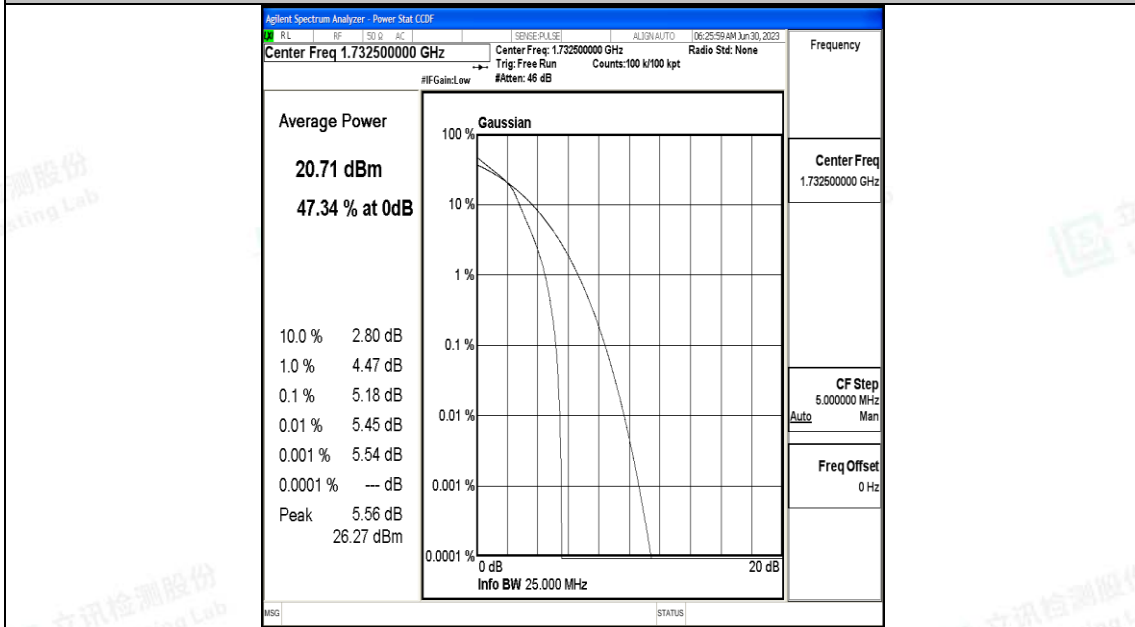






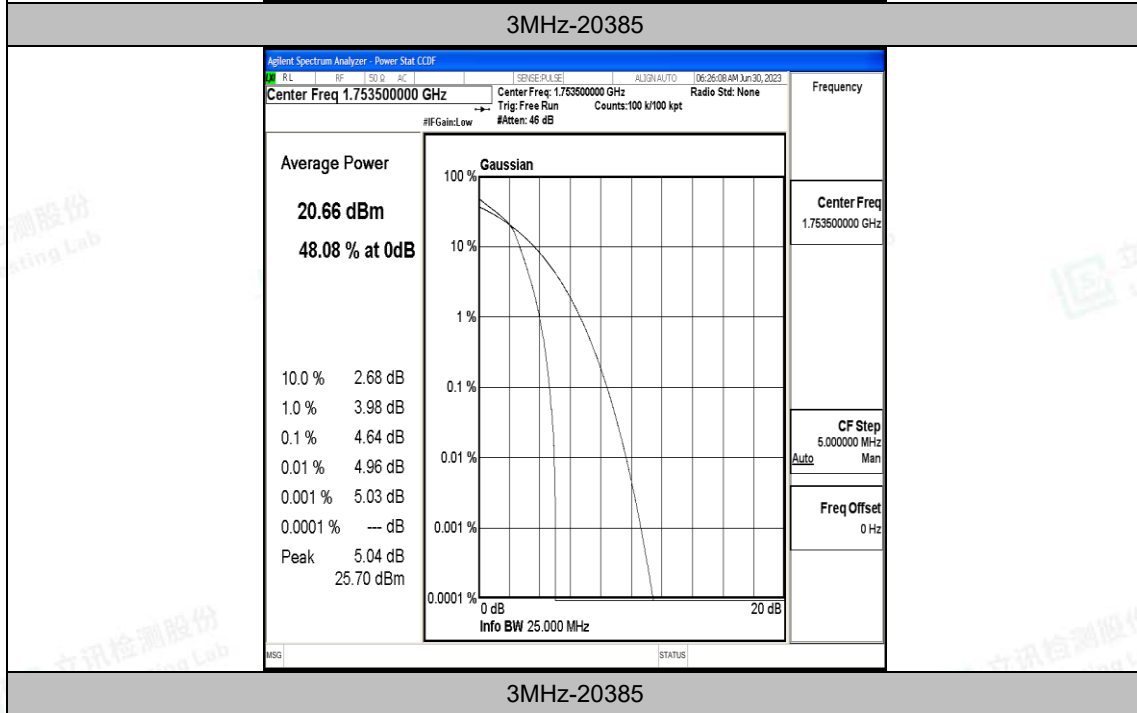
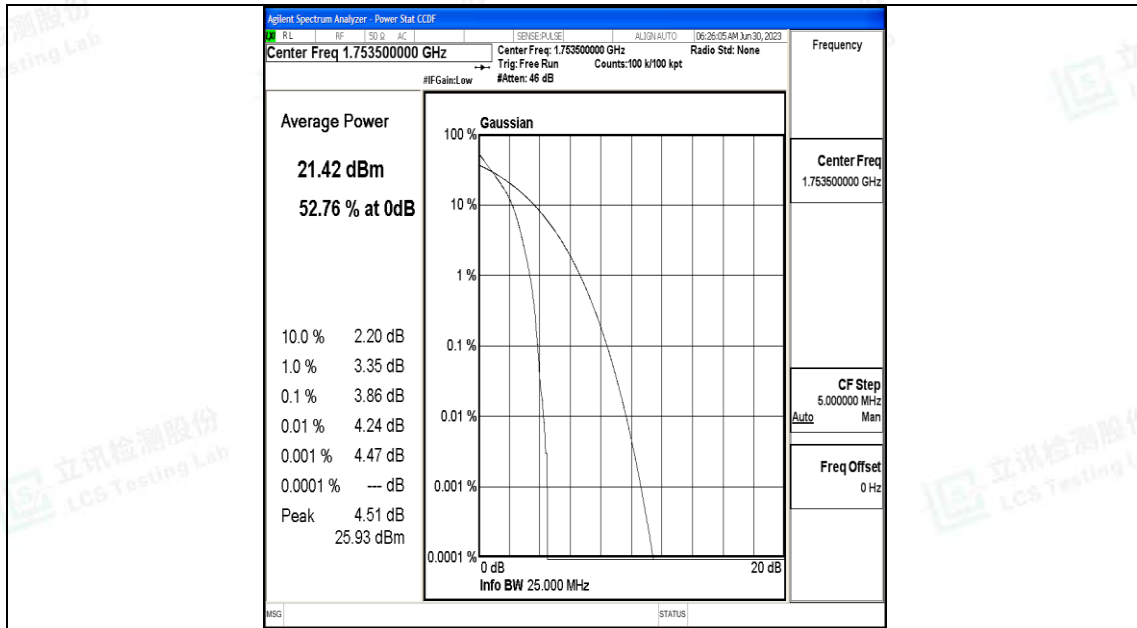


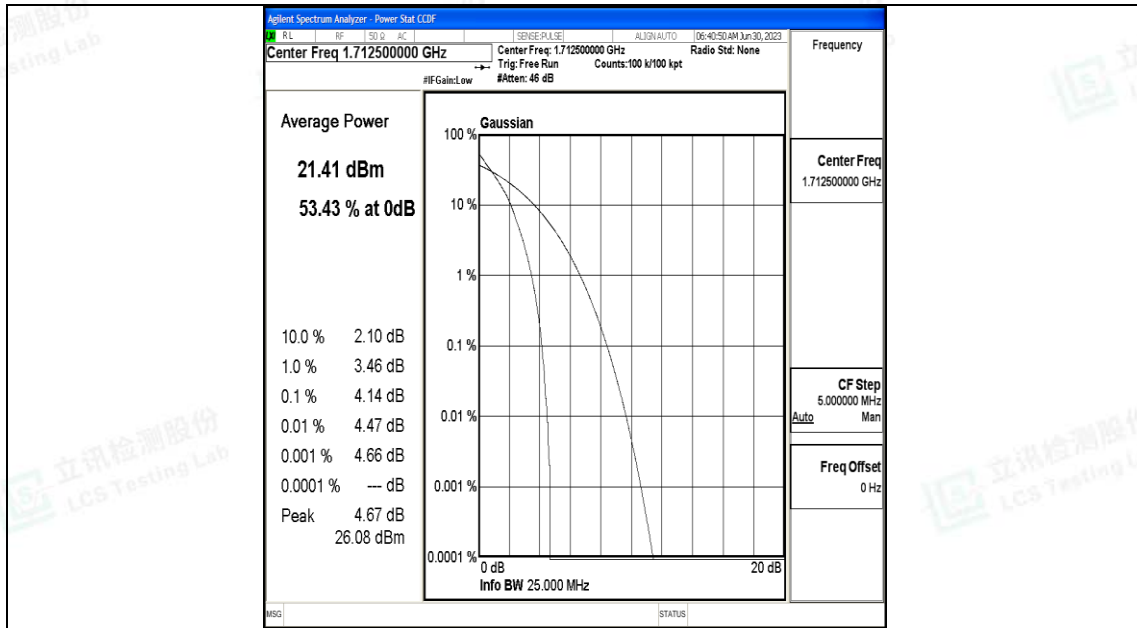
3MHz-20175



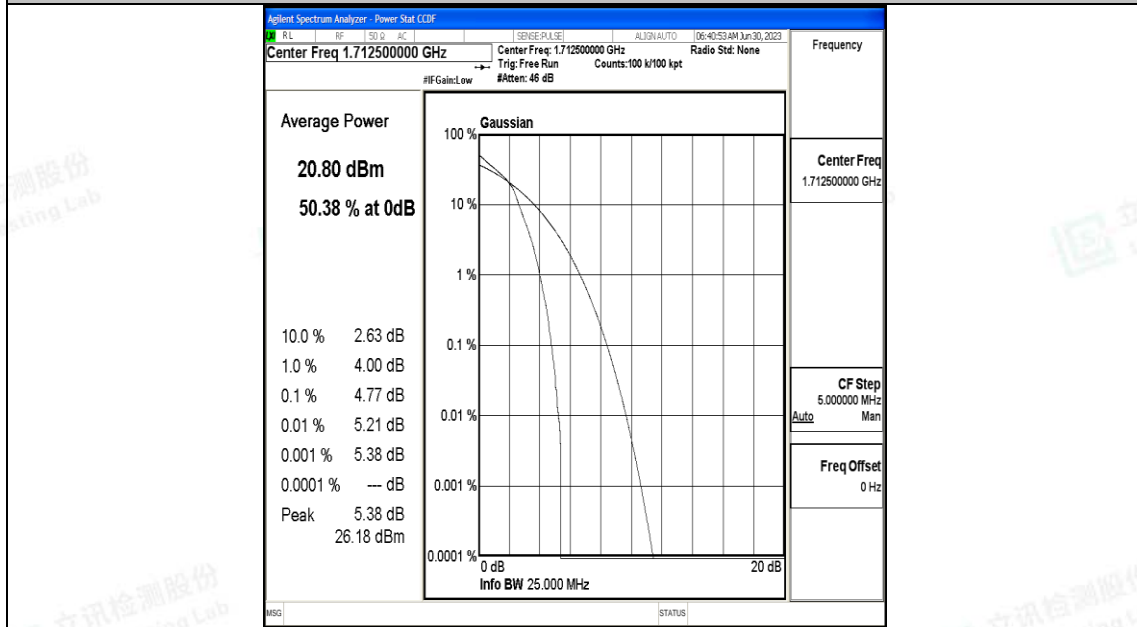
3MHz-20175





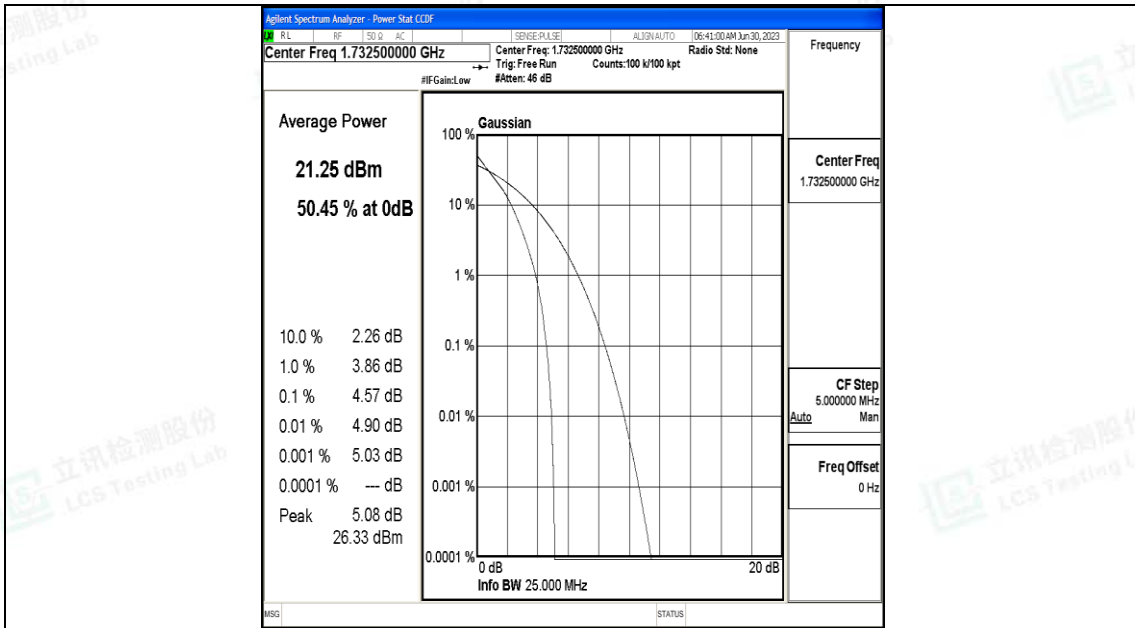


5MHz-19975

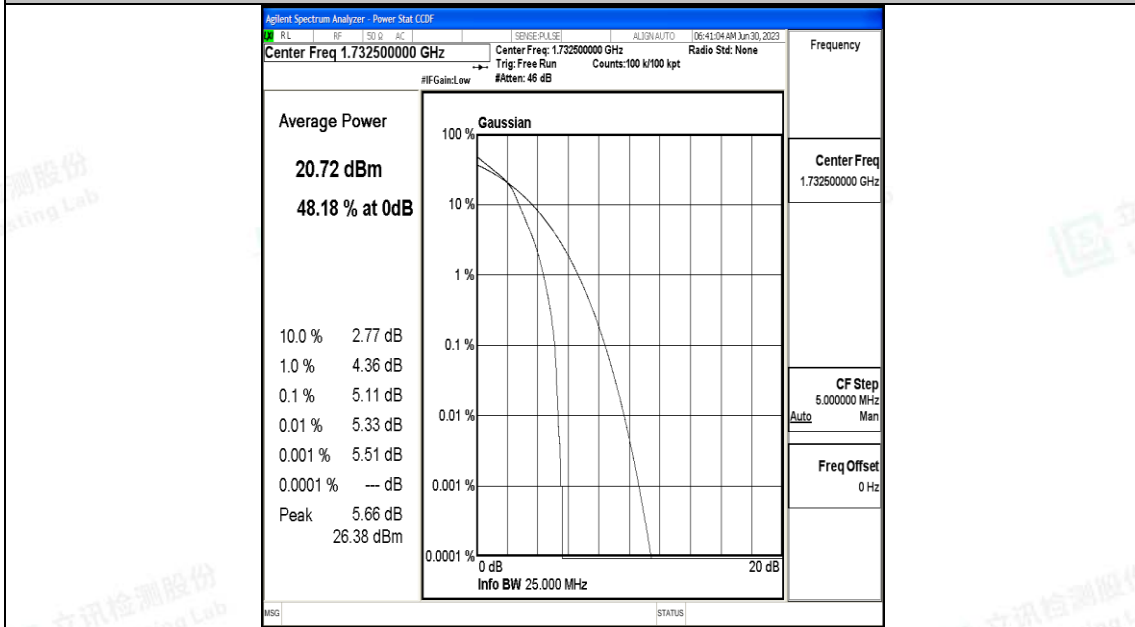


5MHz-19975



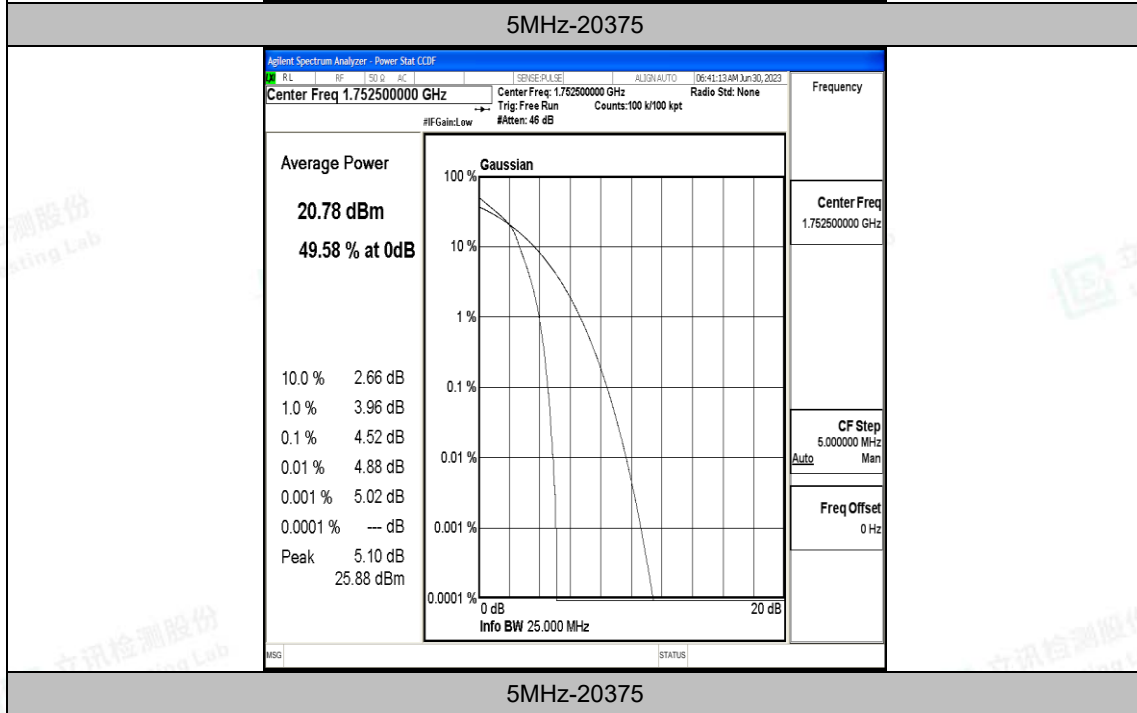
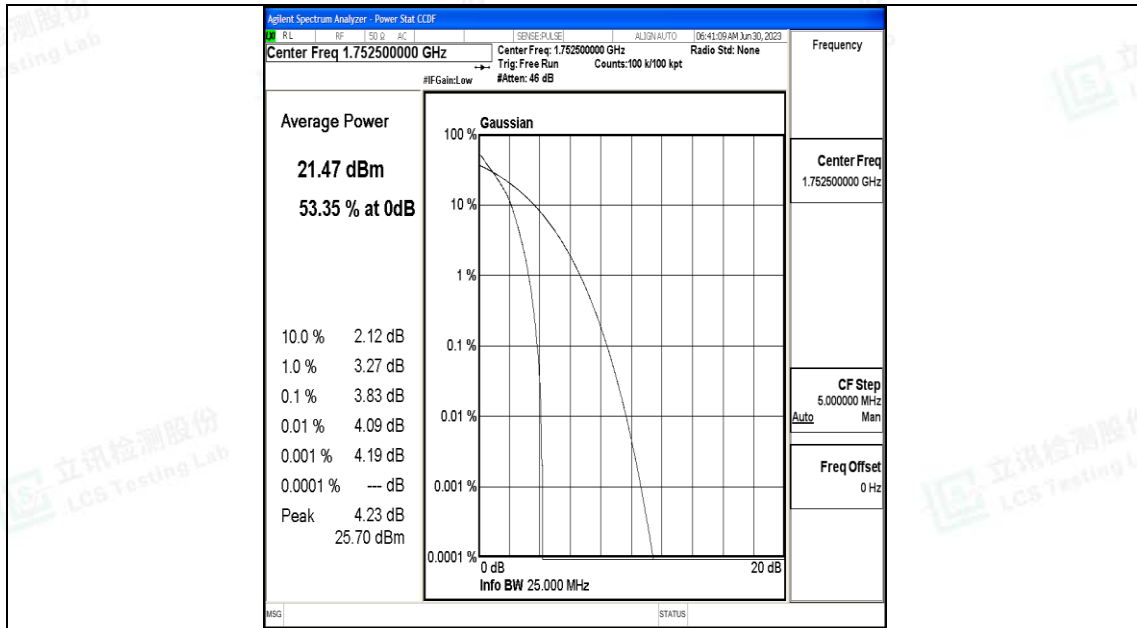


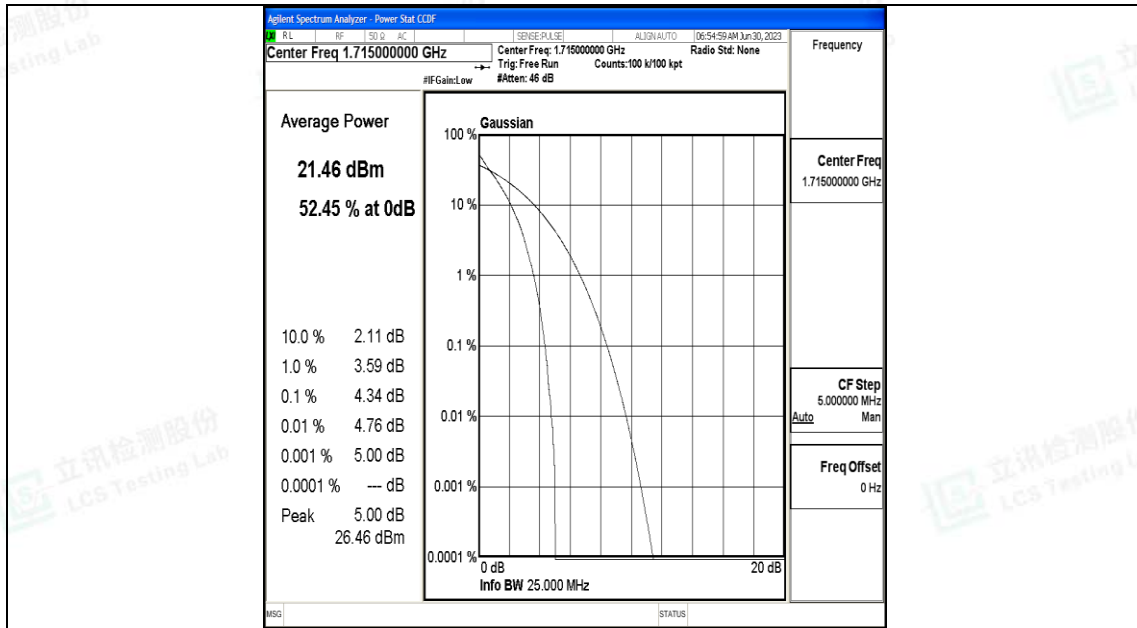
5MHz-20175



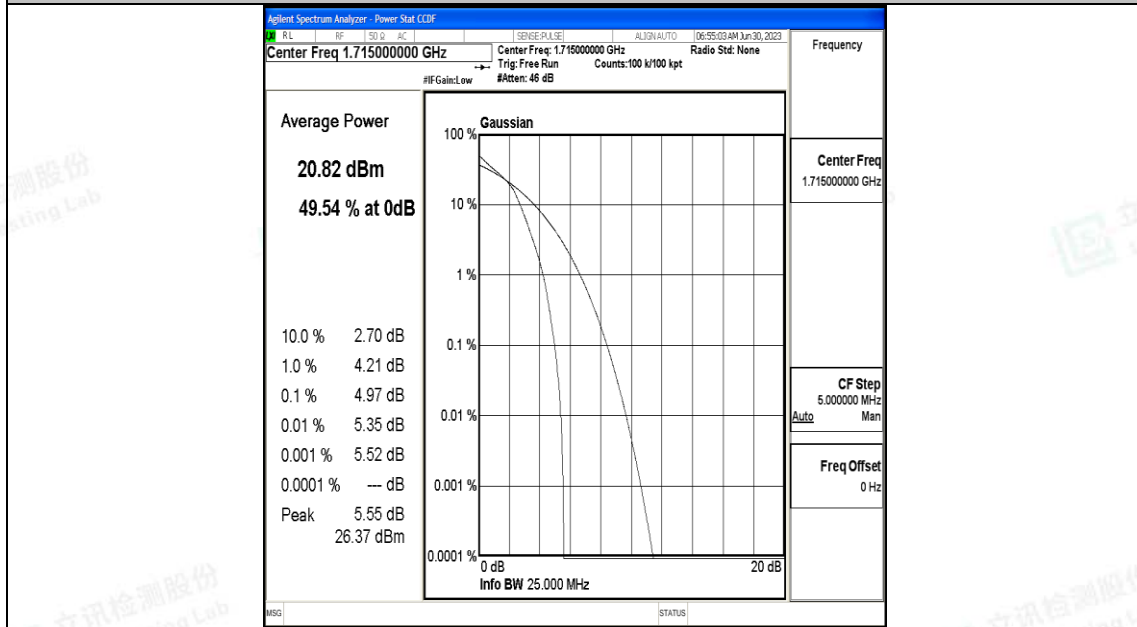
5MHz-20175





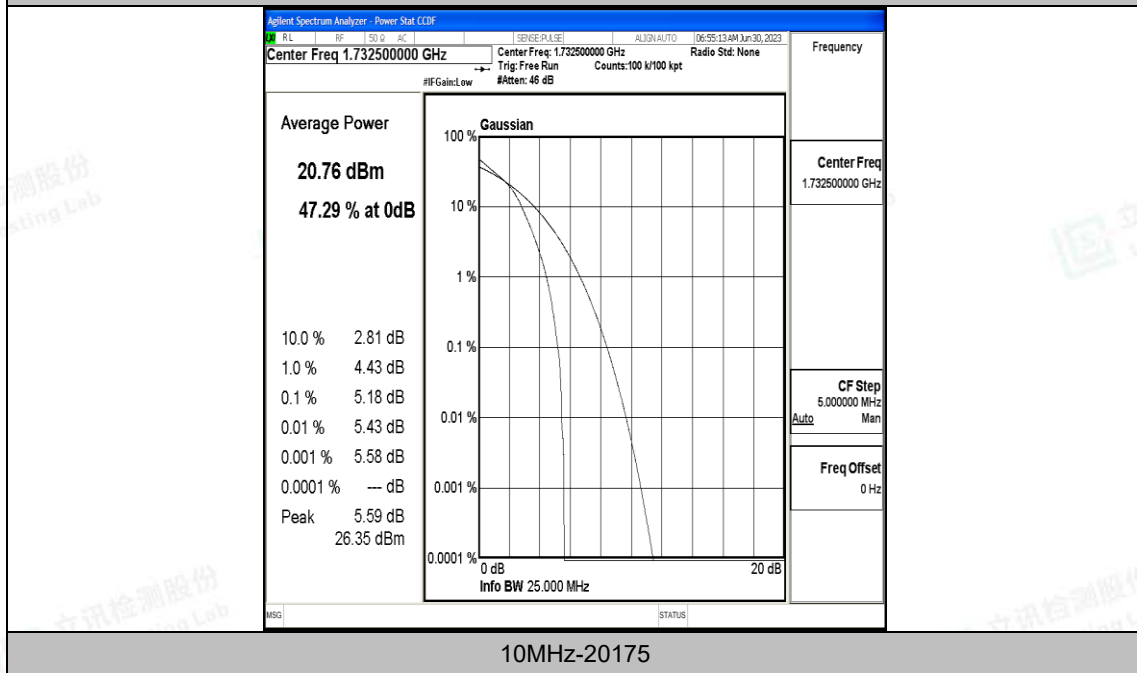
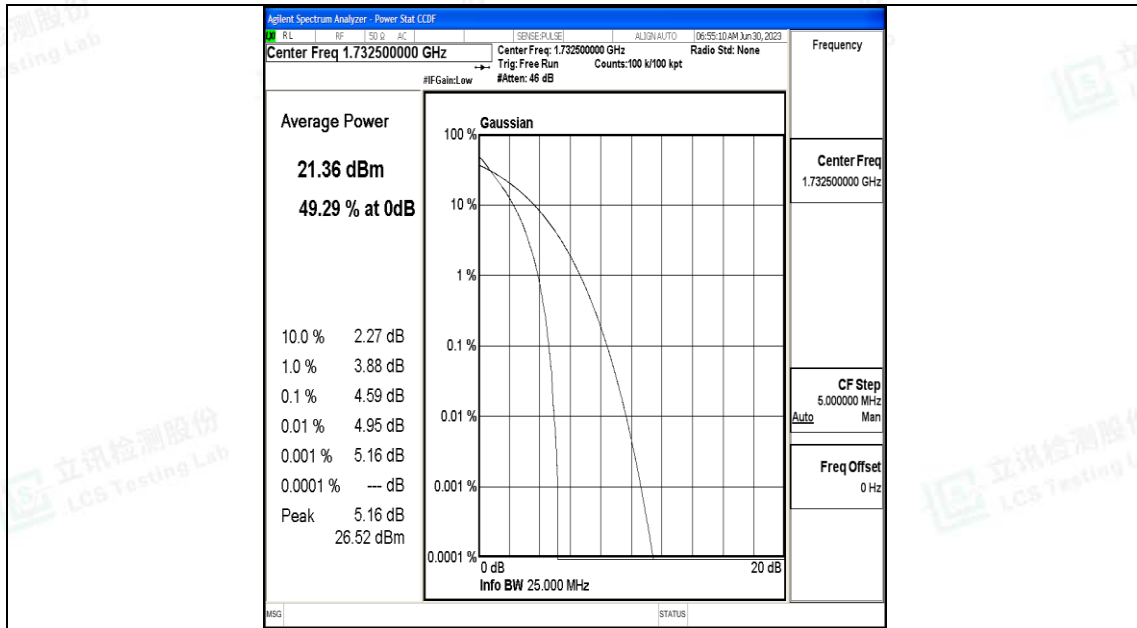


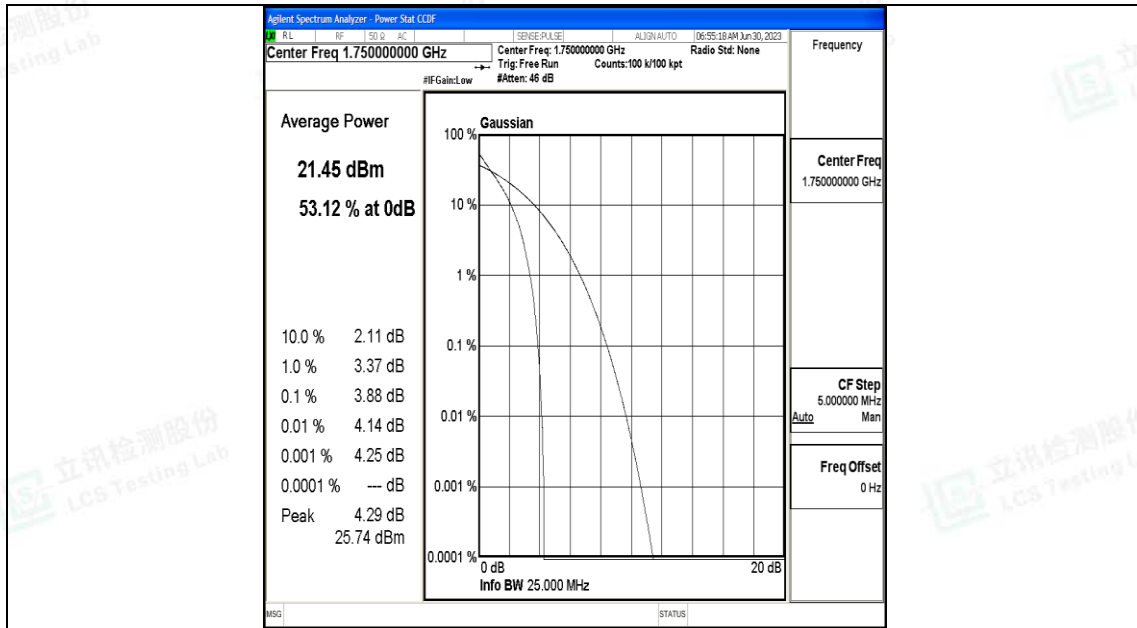
10MHz-20000



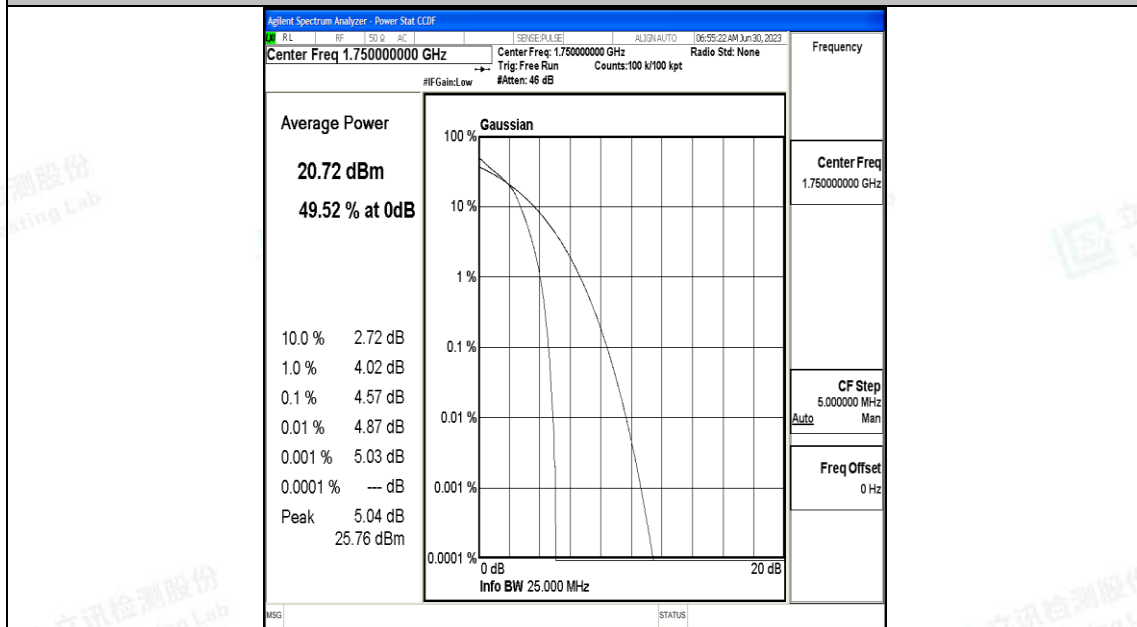
10MHz-20000





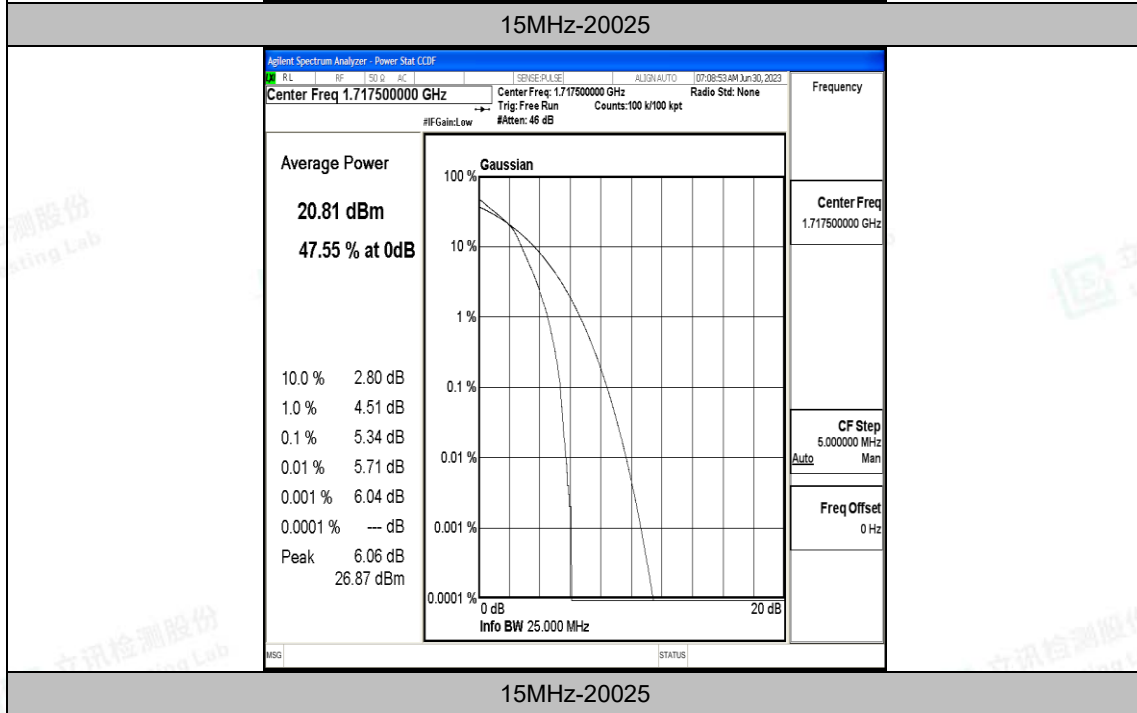
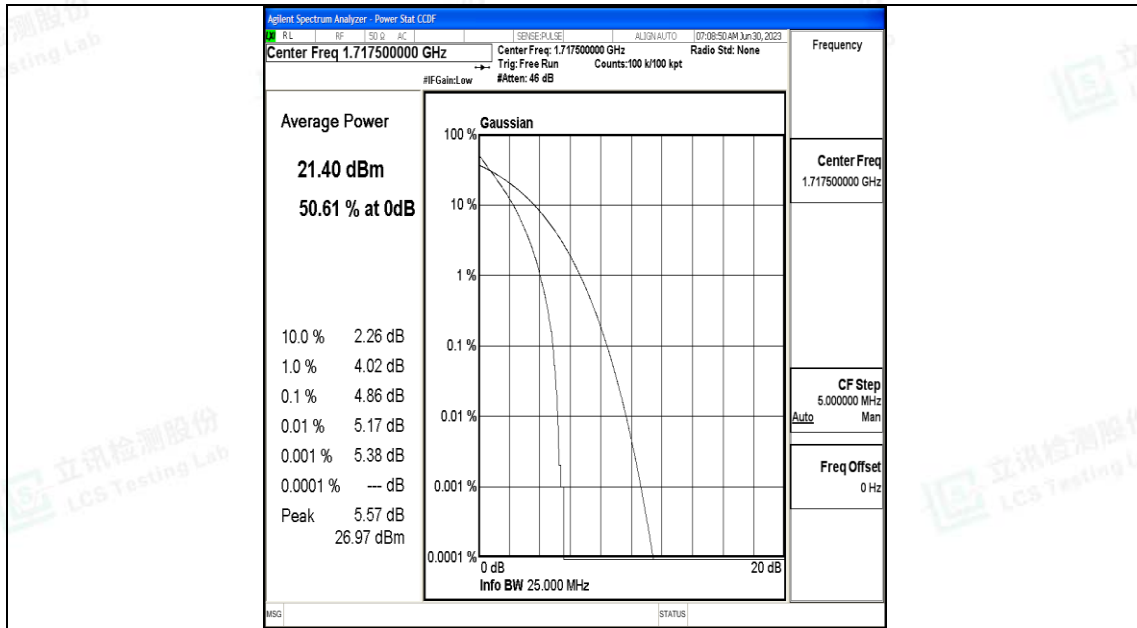


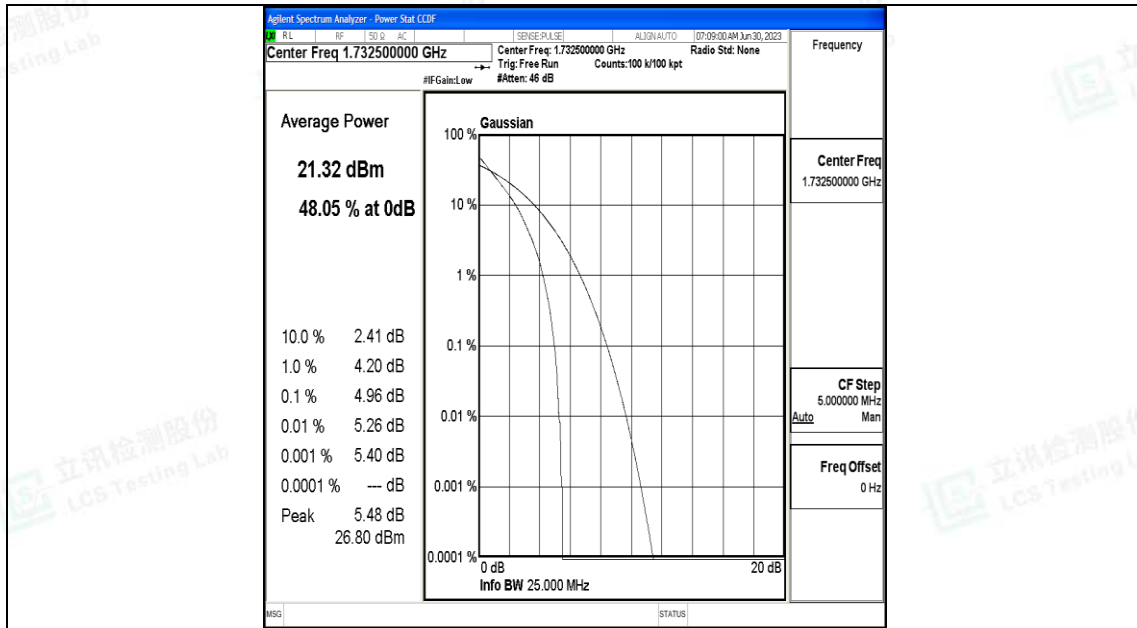
10MHz-20350



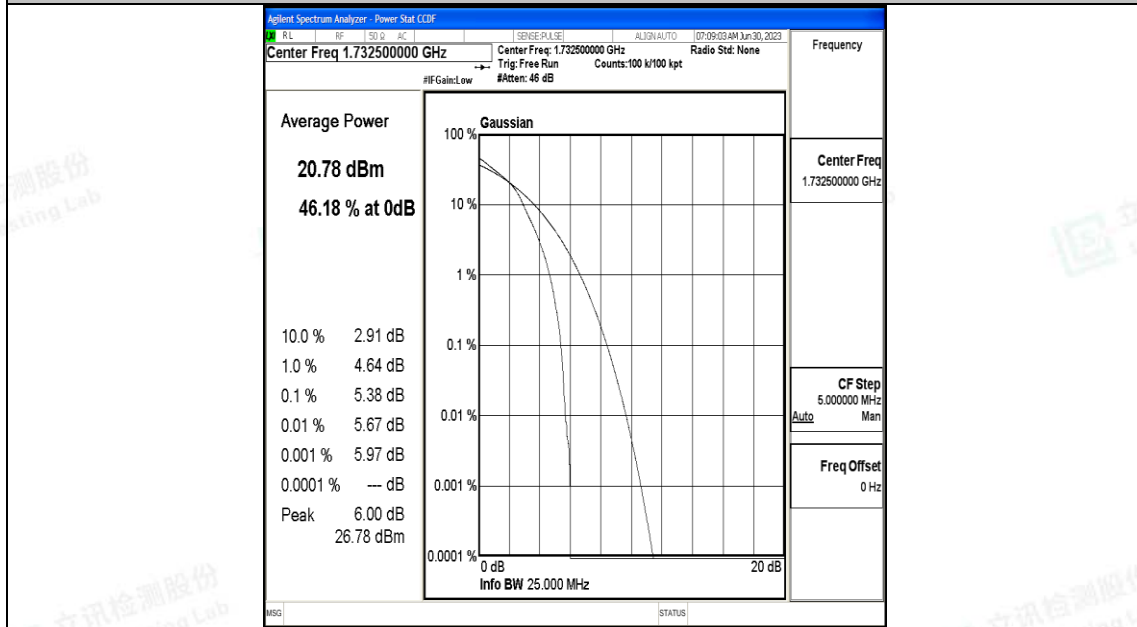
10MHz-20350





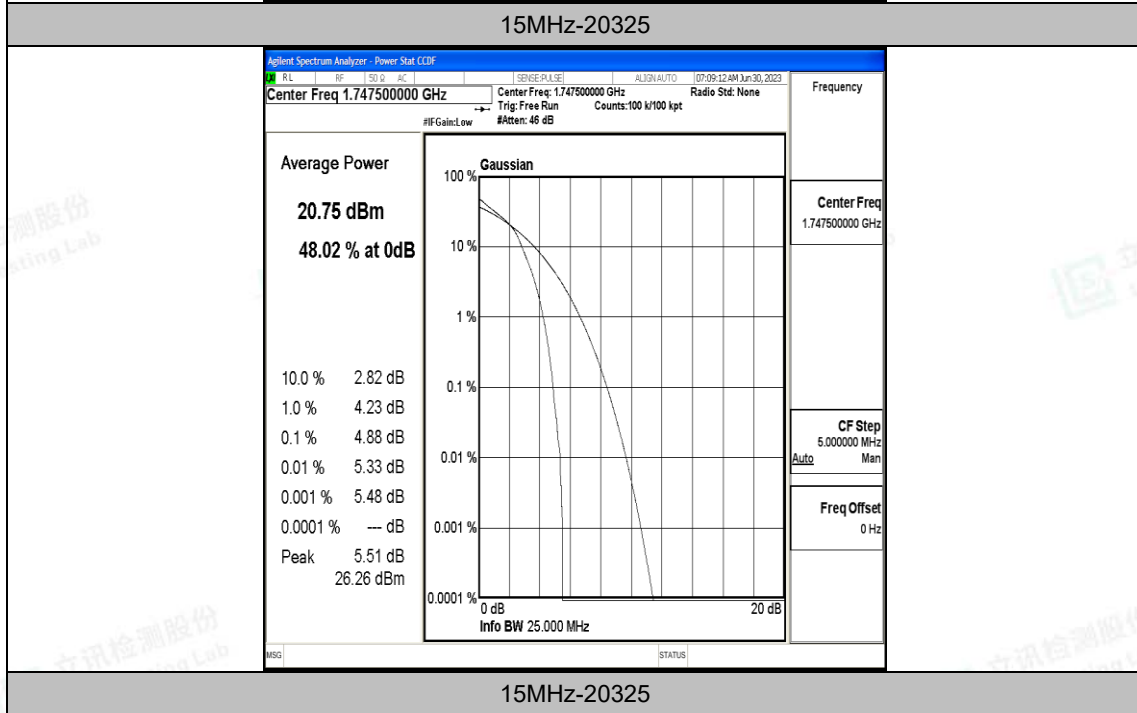
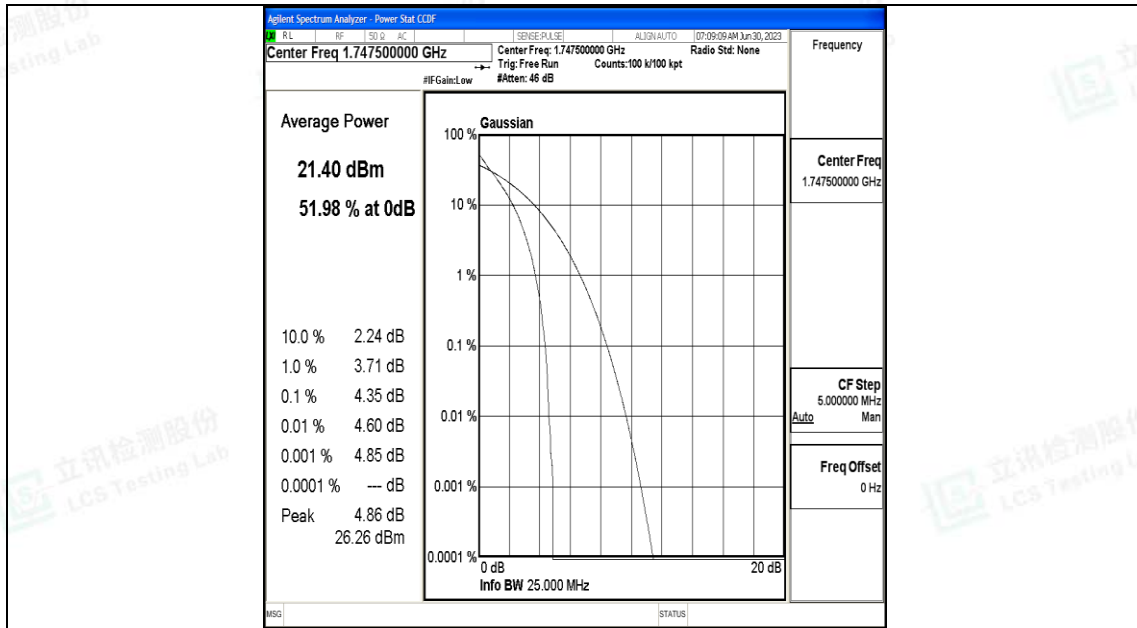


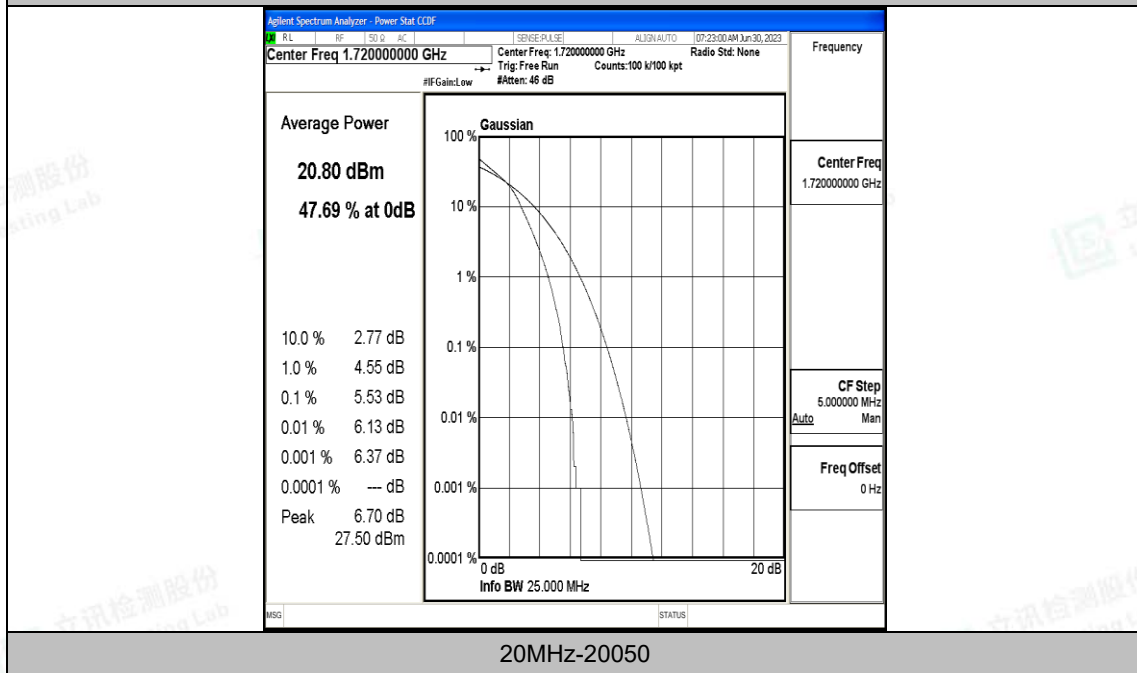
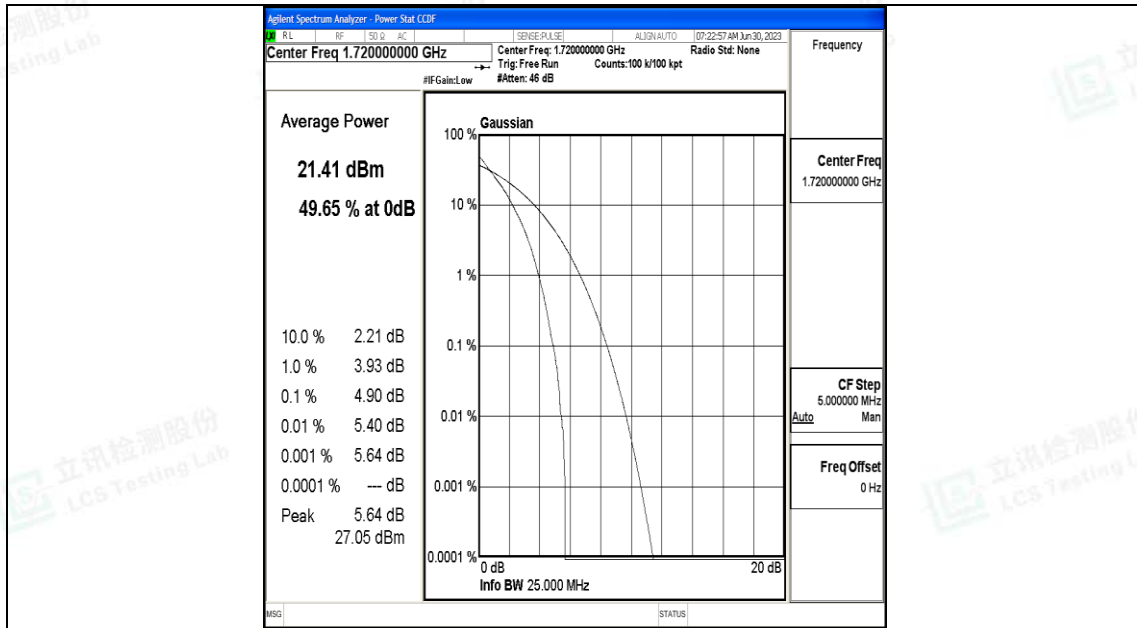
15MHz-20175

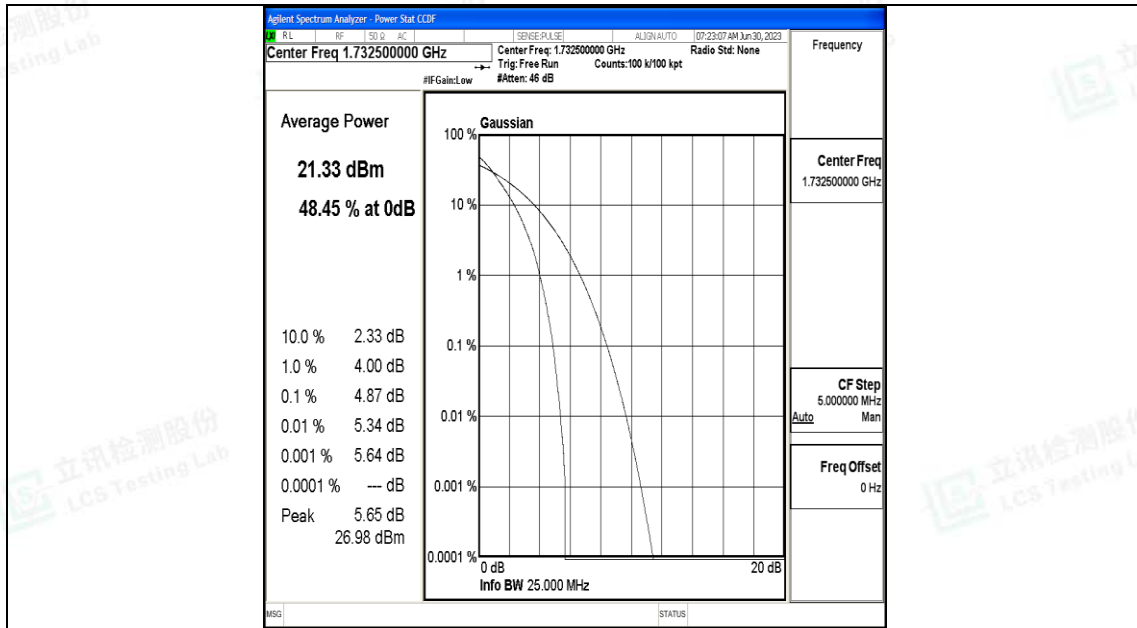


15MHz-20175

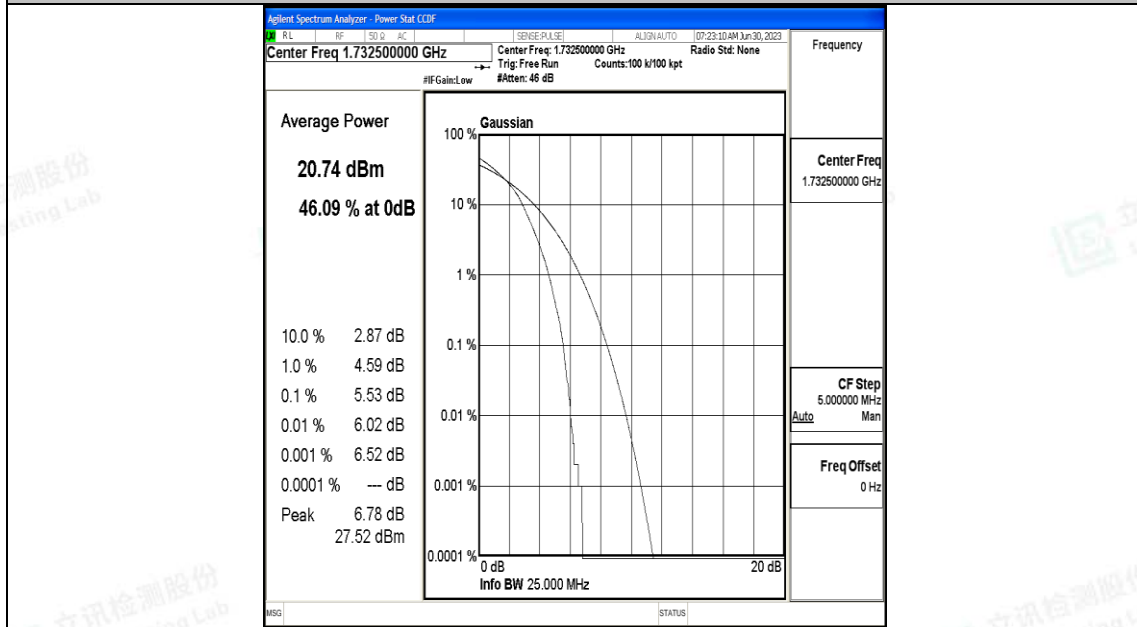






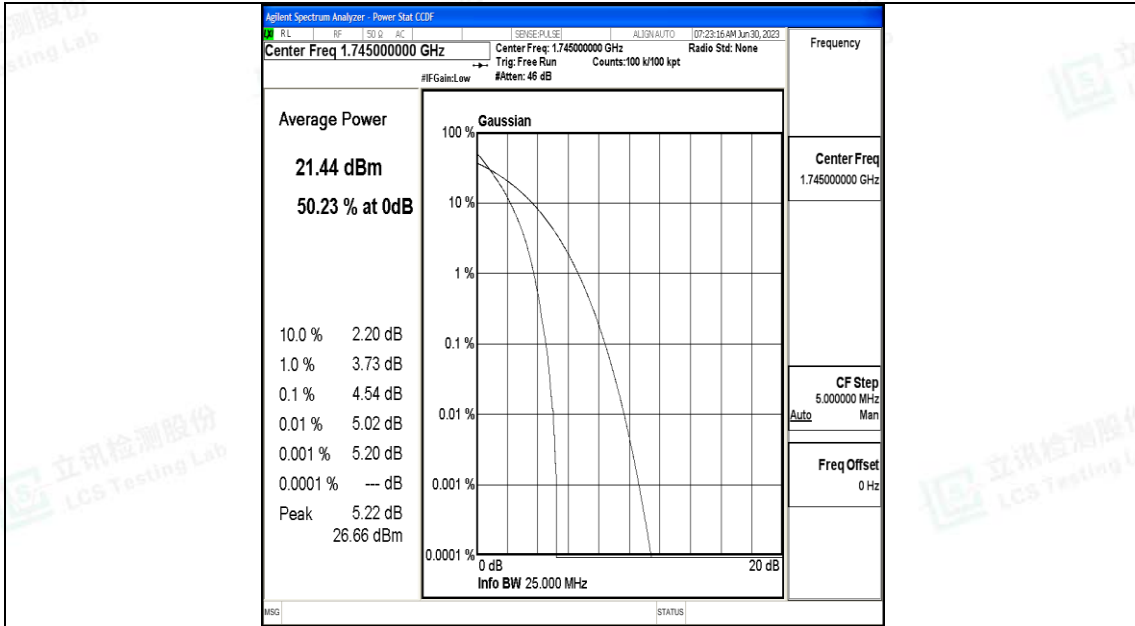


20MHz-20175

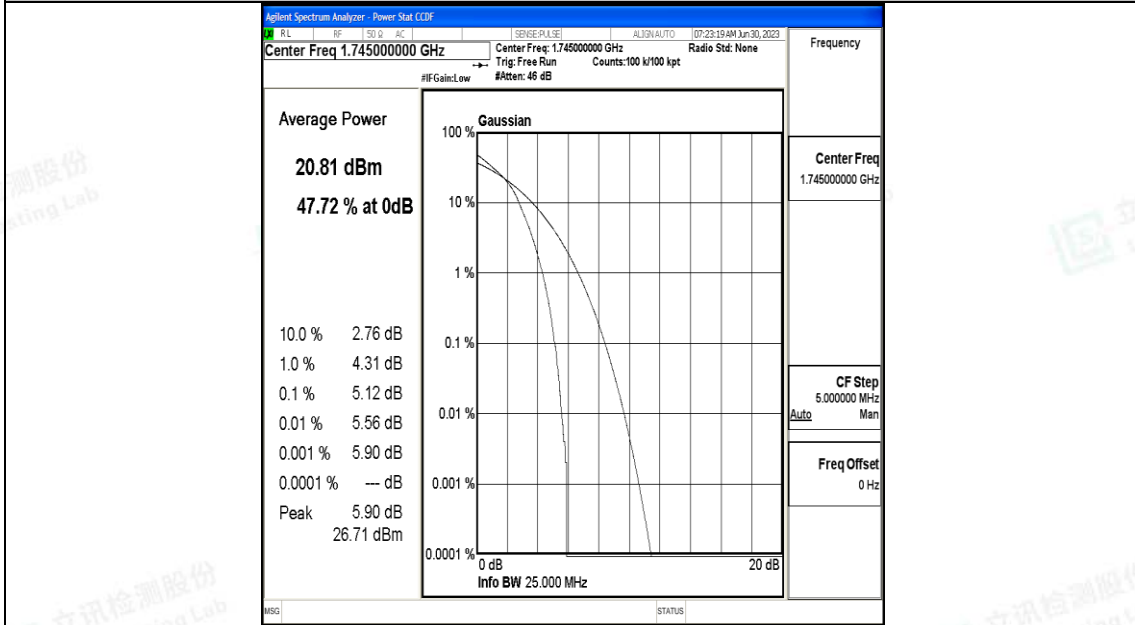


20MHz-20175





20MHz-20300



20MHz-20300





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 | 1.0988 | 1.376 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 6RB#0 | 1.1068 | 1.335 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 6RB#0 | 1.0994 | 1.487 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 6RB#0 | 1.1020 | 1.381 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 6RB#0 | 1.1020 | 1.329 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0 | 1.1085 | 1.277 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 15RB#0 | 2.7081 | 3.110 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 15RB#0 | 2.7077 | 3.109 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 15RB#0 | 2.7110 | 3.152 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 15RB#0 | 2.7093 | 3.086 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 15RB#0 | 2.7144 | 3.130 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0 | 2.7197 | 3.336 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 25RB#0 | 4.5301 | 5.397 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0 | 4.5259 | 5.322 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 25RB#0 | 4.5337 | 5.314 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 25RB#0 | 4.5144 | 5.559 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 25RB#0 | 4.5083 | 5.432 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 25RB#0 | 4.5408 | 5.338 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 50RB#0 | 9.0220 | 10.06 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | 9.0100 | 10.28 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 50RB#0 | 9.0081 | 10.20 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0 | 9.0032 | 10.10 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 50RB#0 | 9.0533 | 10.28 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | 9.0333 | 10.82 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 75RB#0 | 13.503 | 15.72 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0 | 13.522 | 15.43 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 75RB#0 | 13.530 | 15.07 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0 | 13.526 | 15.07 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 75RB#0 | 13.519 | 15.73 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0 | 13.552 | 15.04 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 100RB#0 | 18.043 | 20.06 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | 18.035 | 20.18 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 100RB#0 | 18.048 | 20.26 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | 18.083 | 19.93 | PASS |





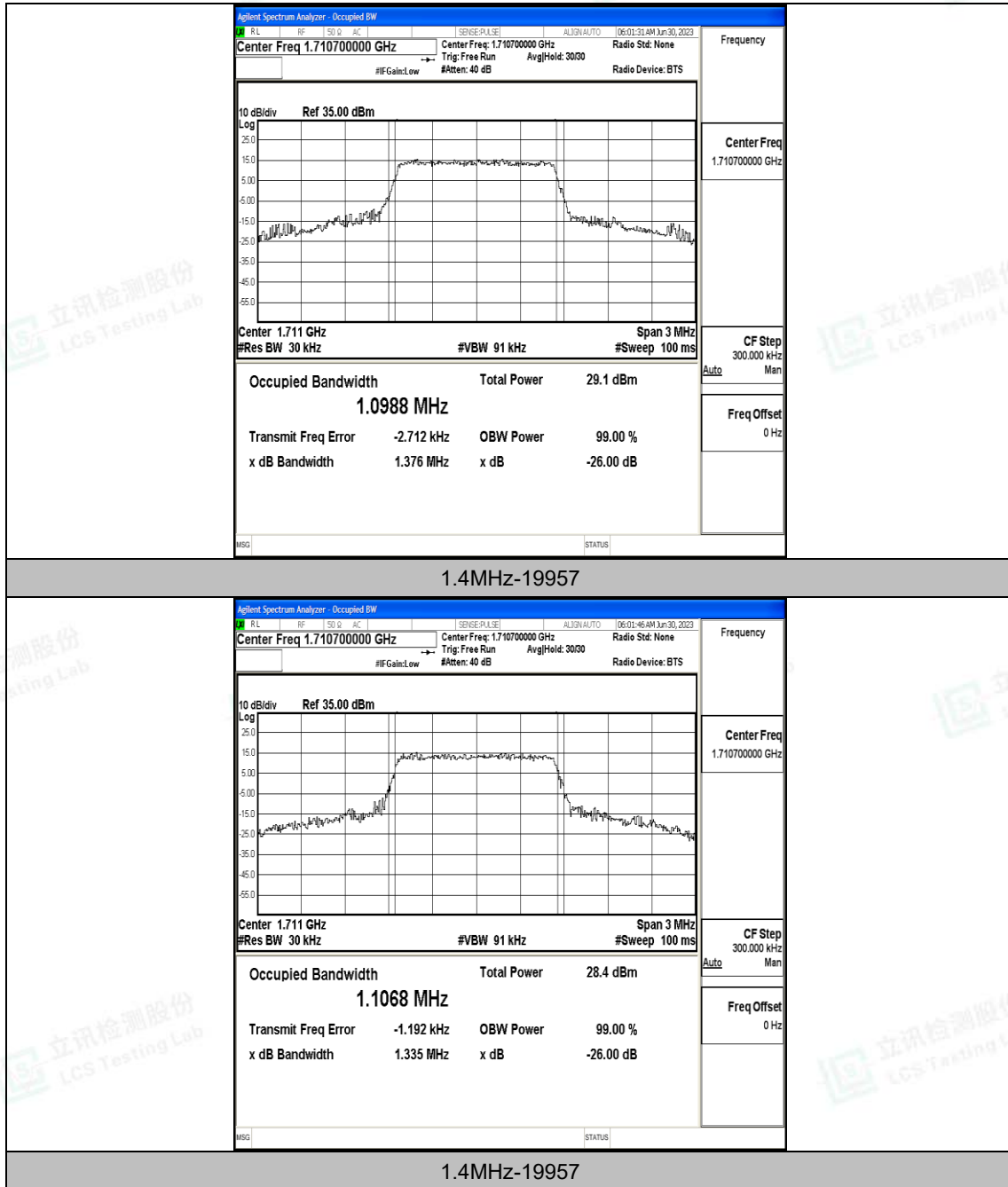
| | | | | | | | |
|-------|-------|-------|-------|---------|--------|-------|------|
| Band4 | 20MHz | QPSK | 20300 | 100RB#0 | 18.026 | 20.59 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 18.053 | 20.31 | PASS |

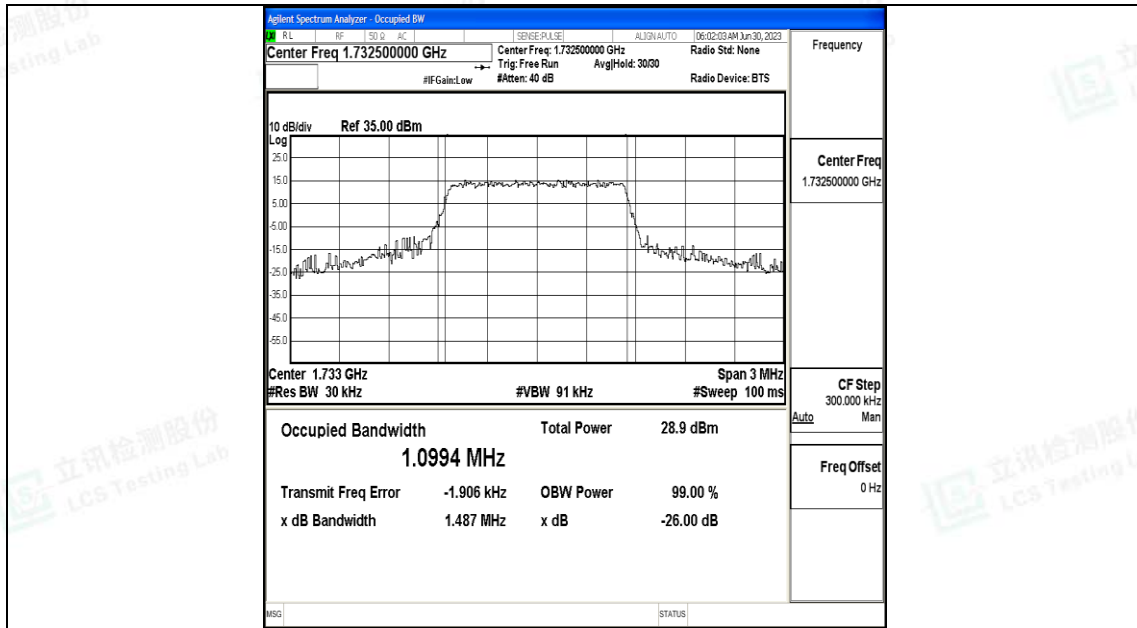


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

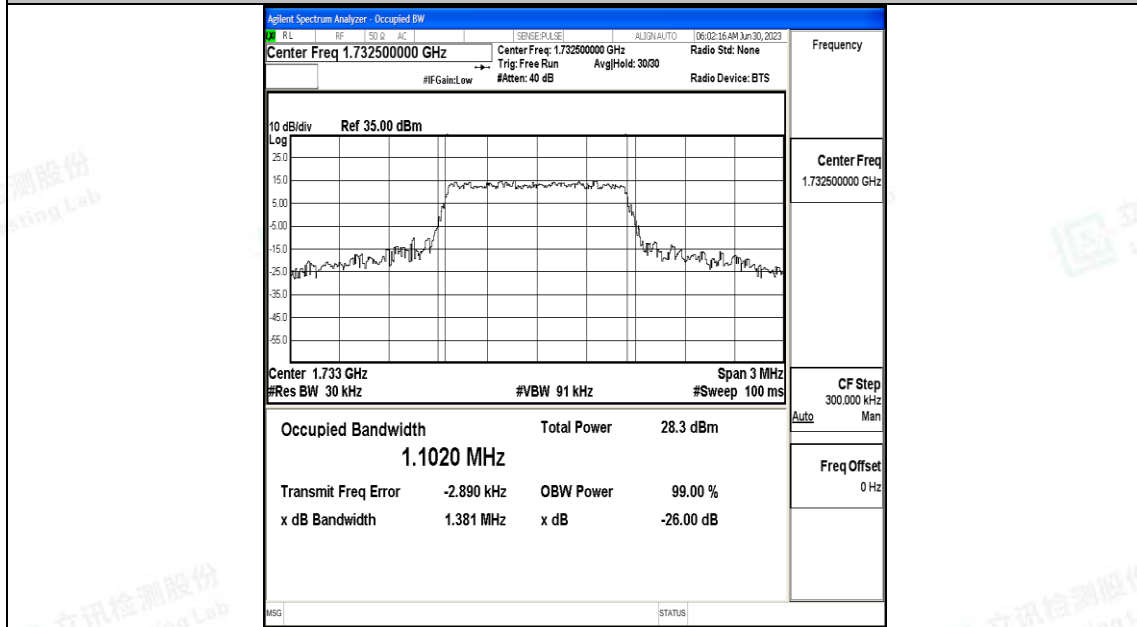


Test Graphs



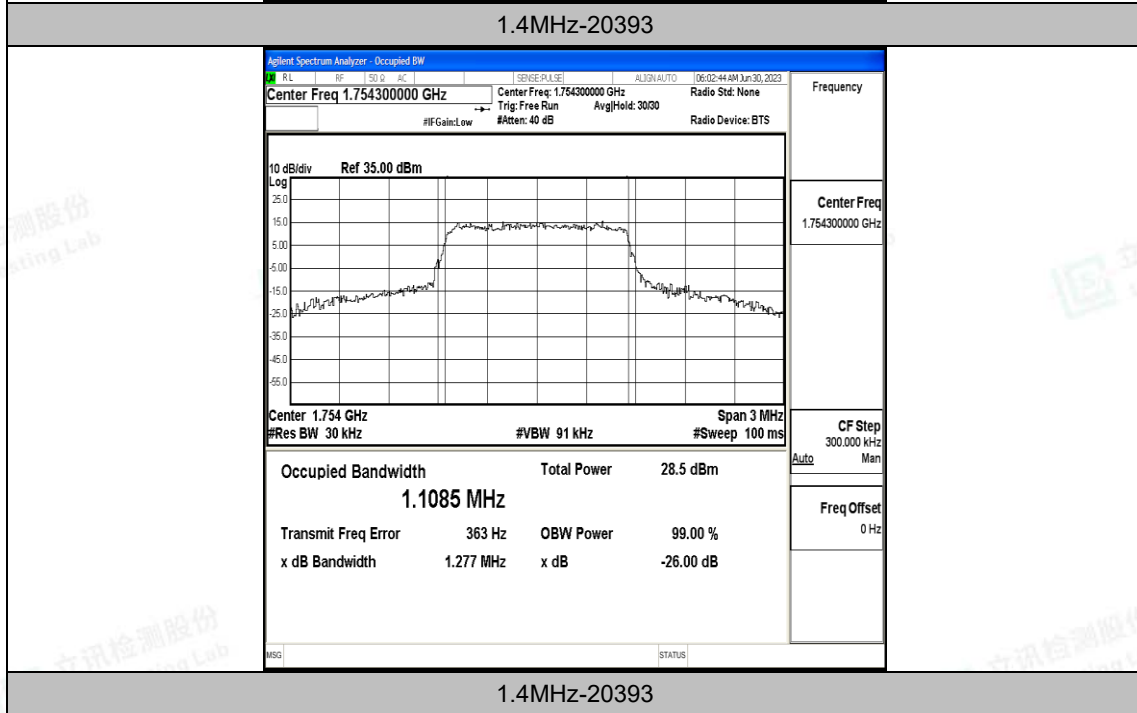
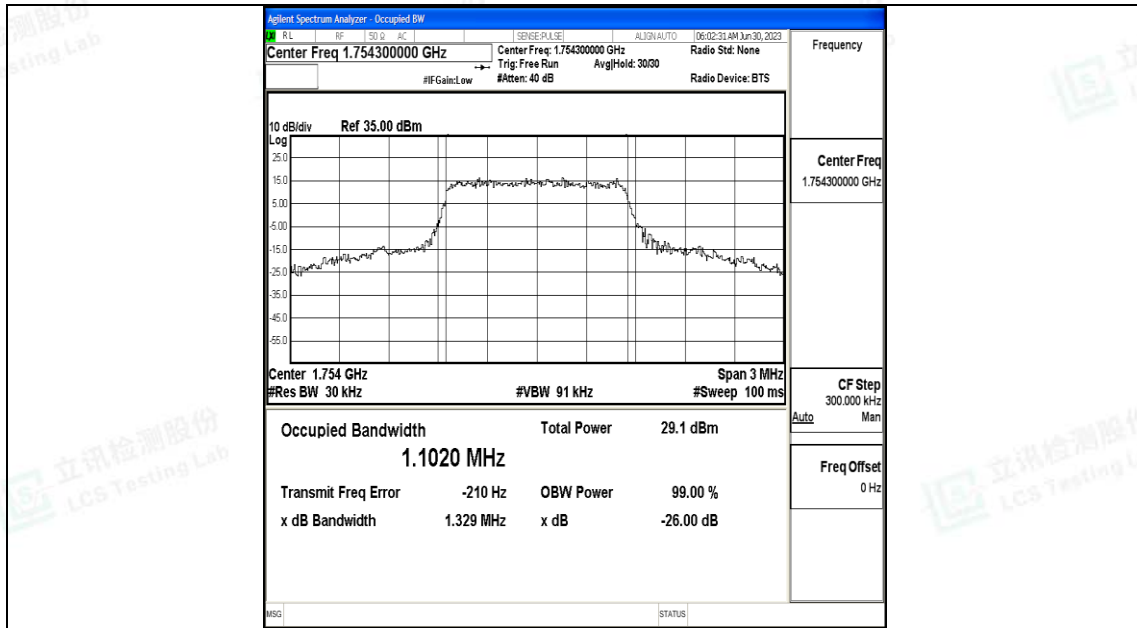


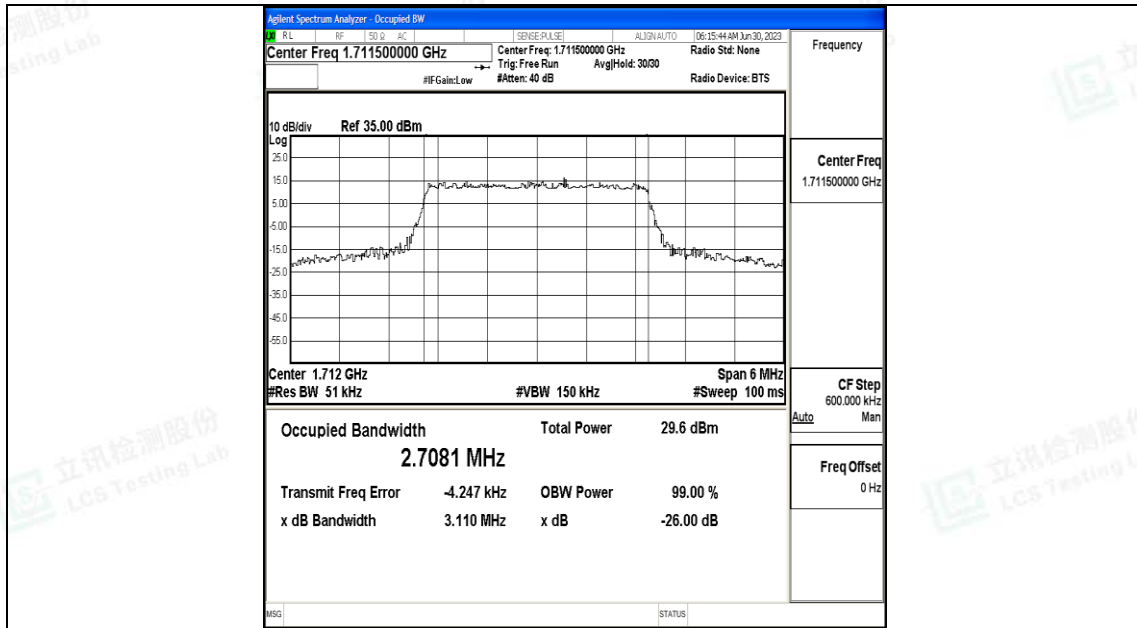
1.4MHz-20175



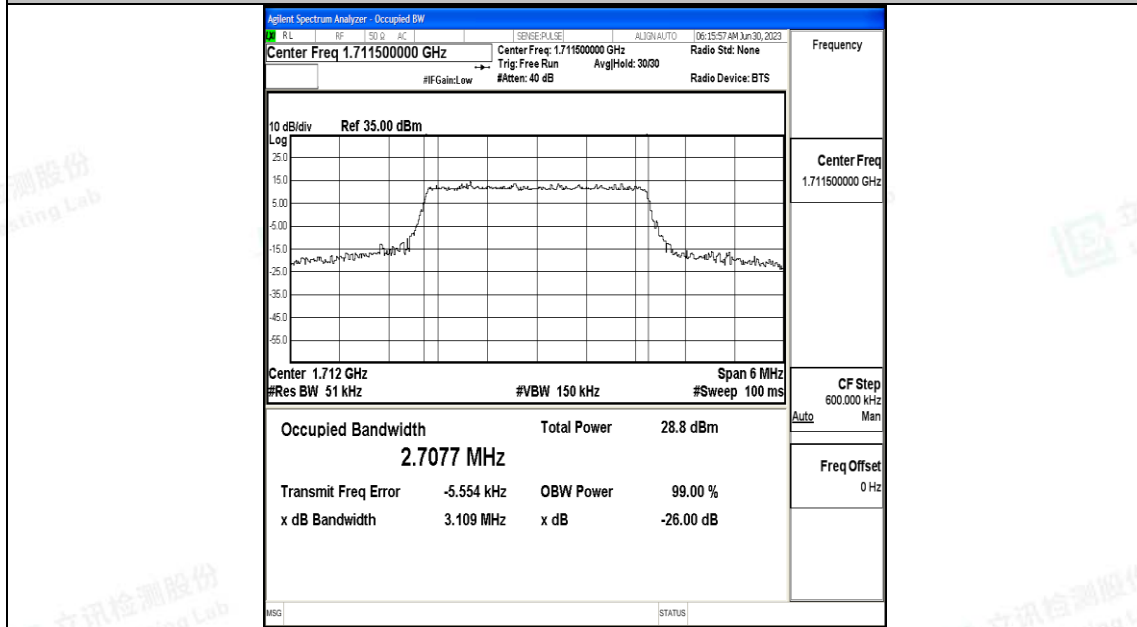
1.4MHz-20175





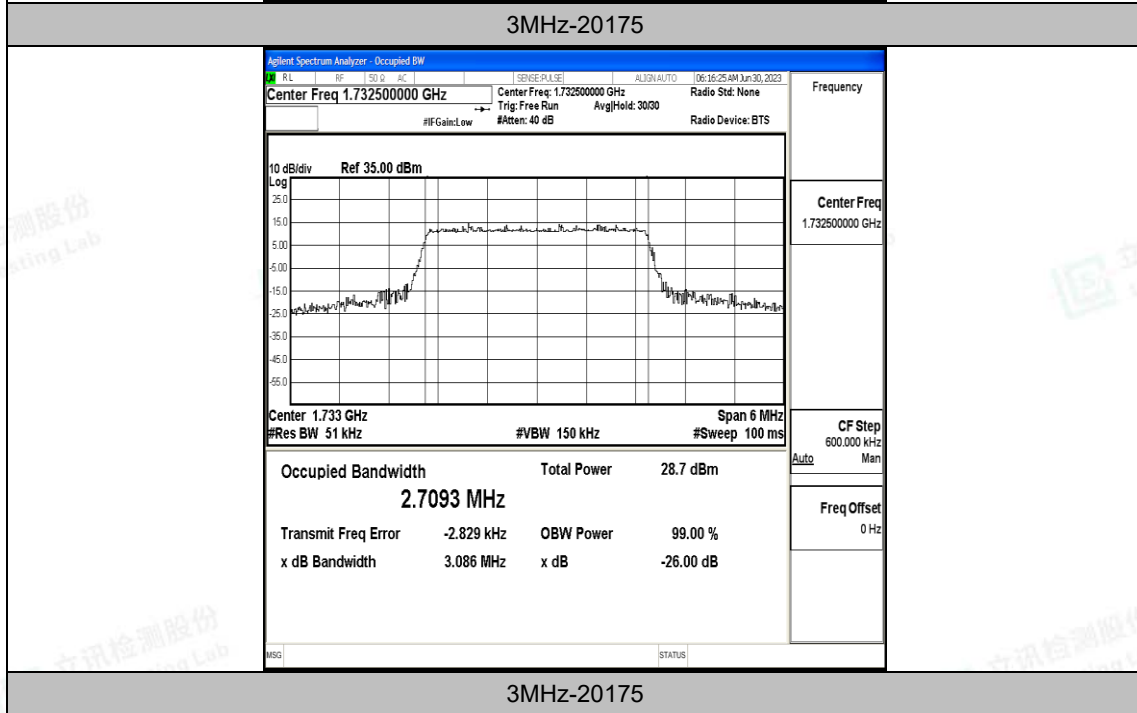
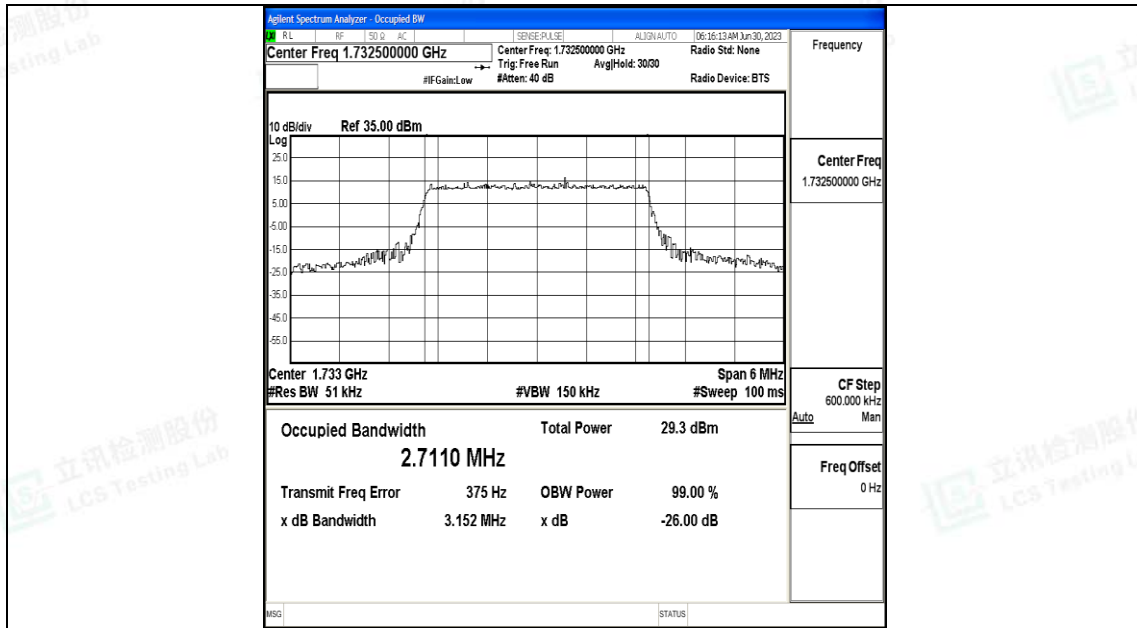


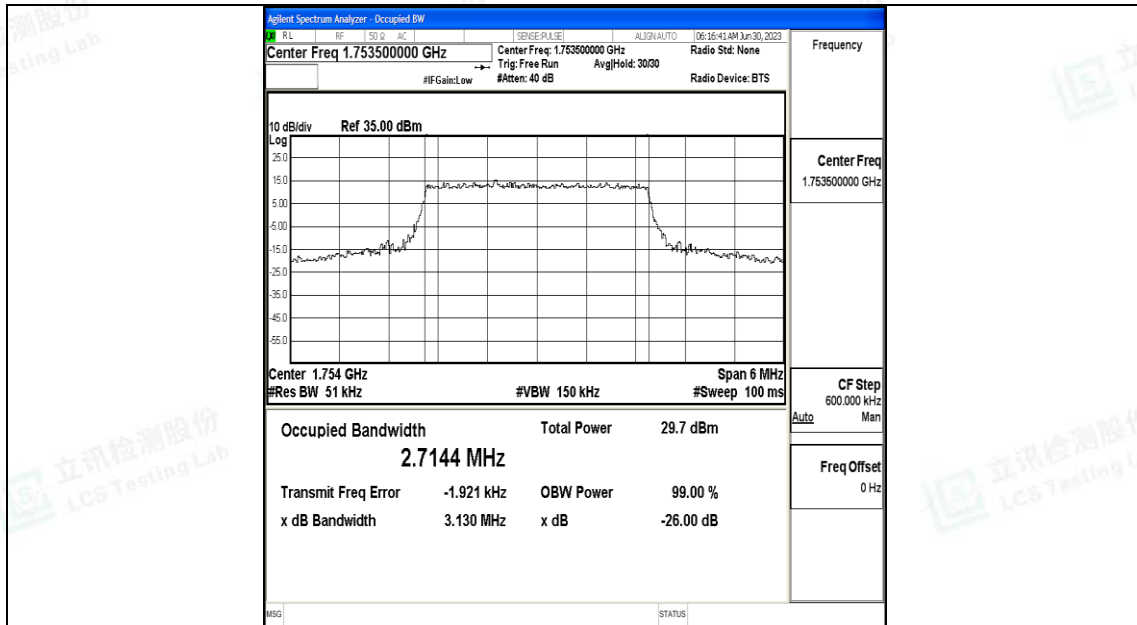
3MHz-19965



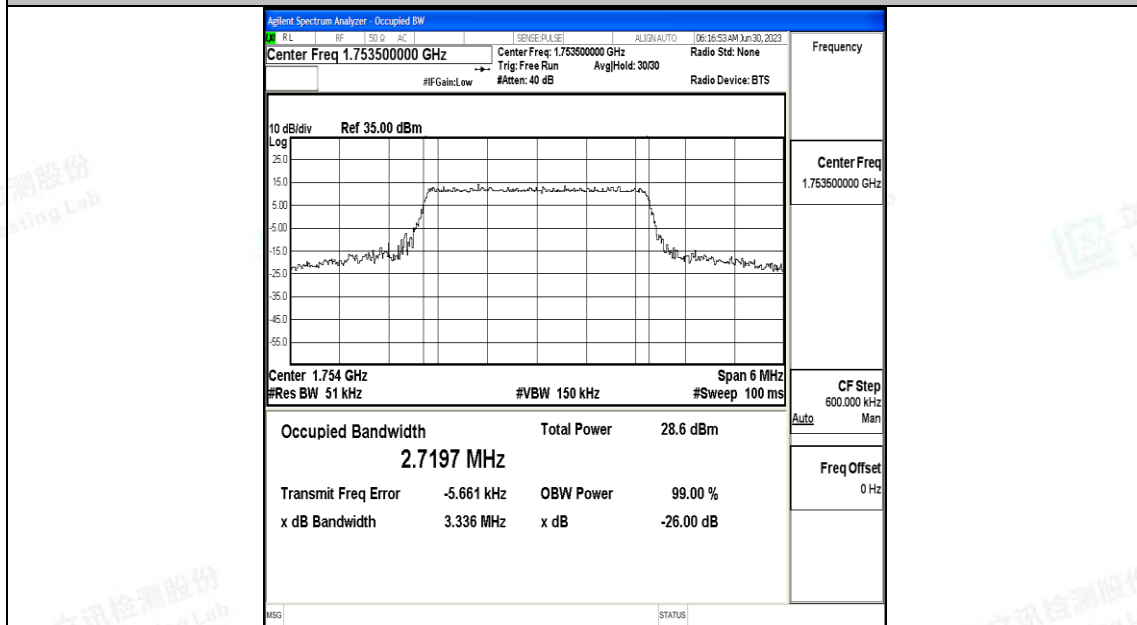
3MHz-19965





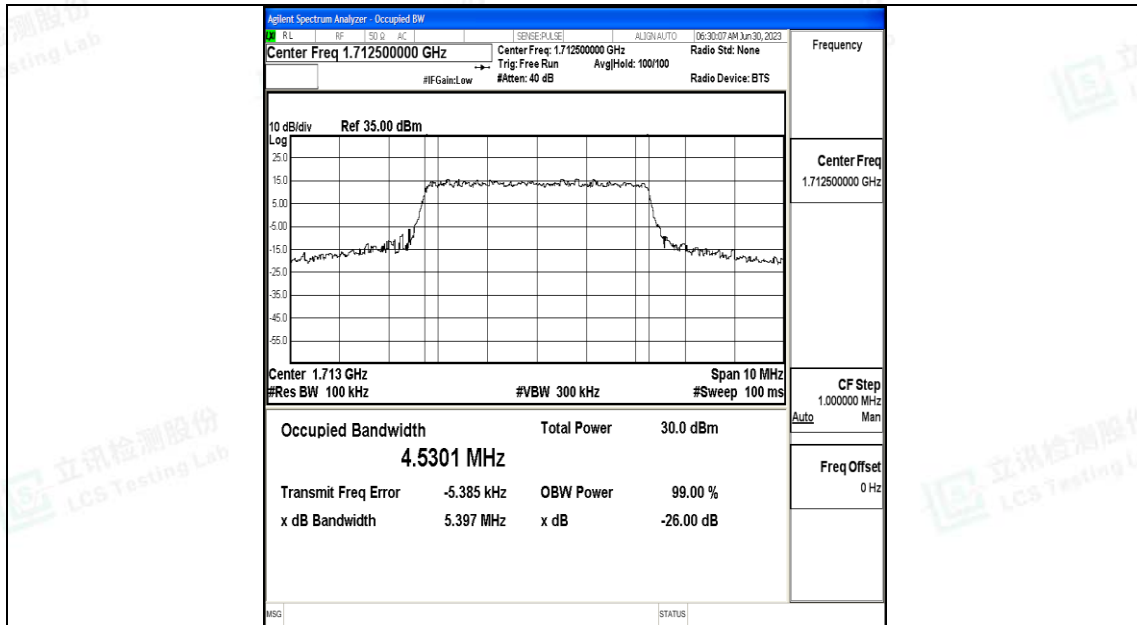


3MHz-20385

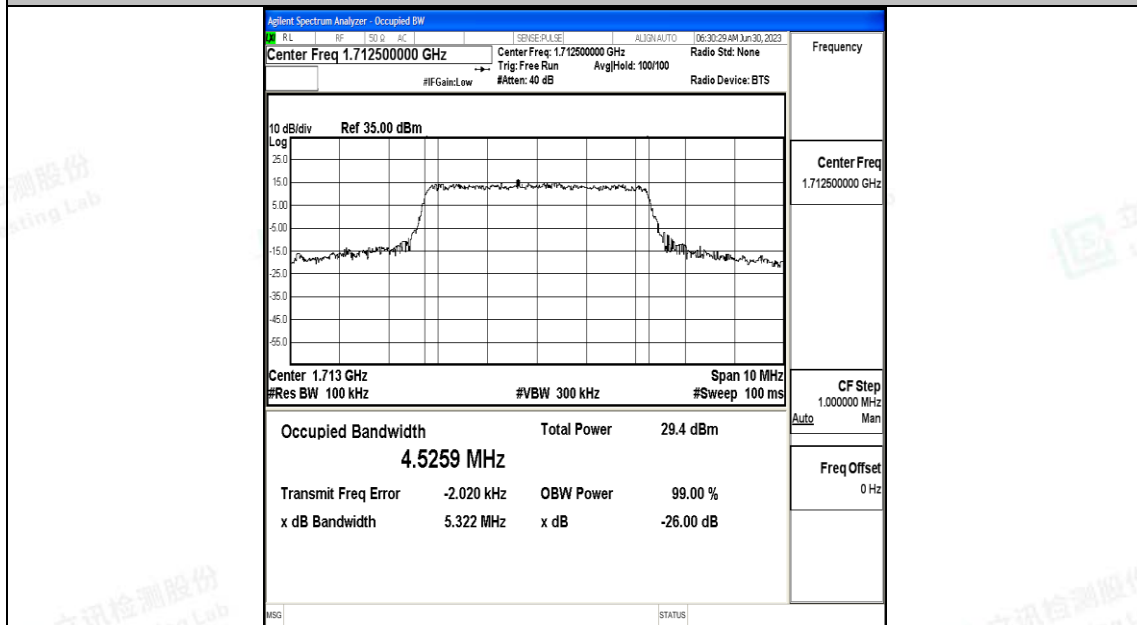


3MHz-20385



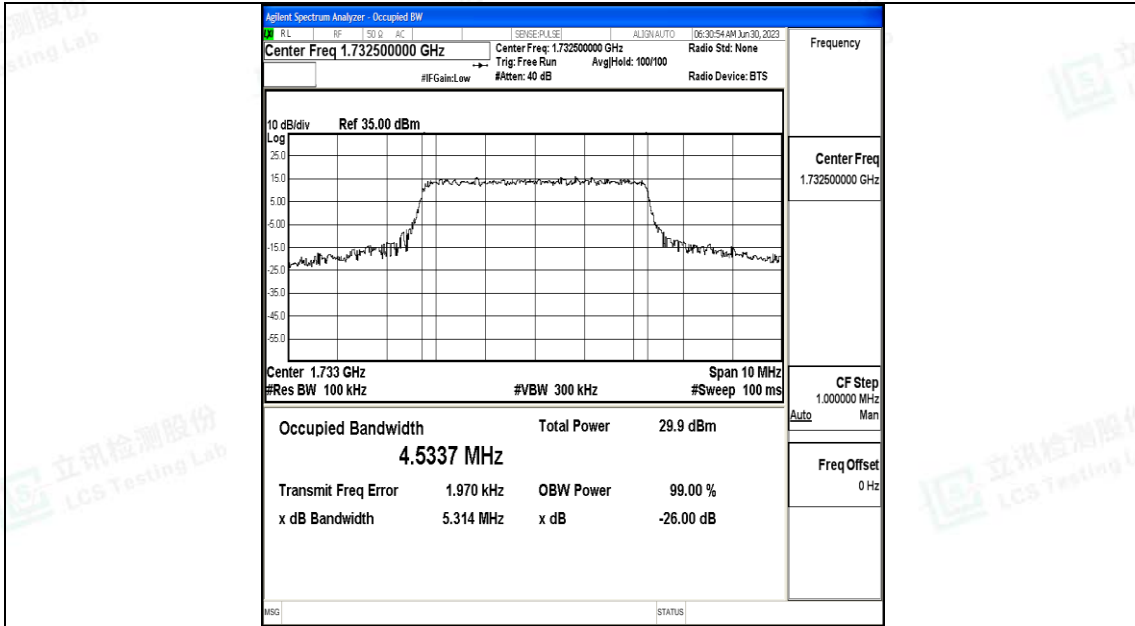


5MHz-19975

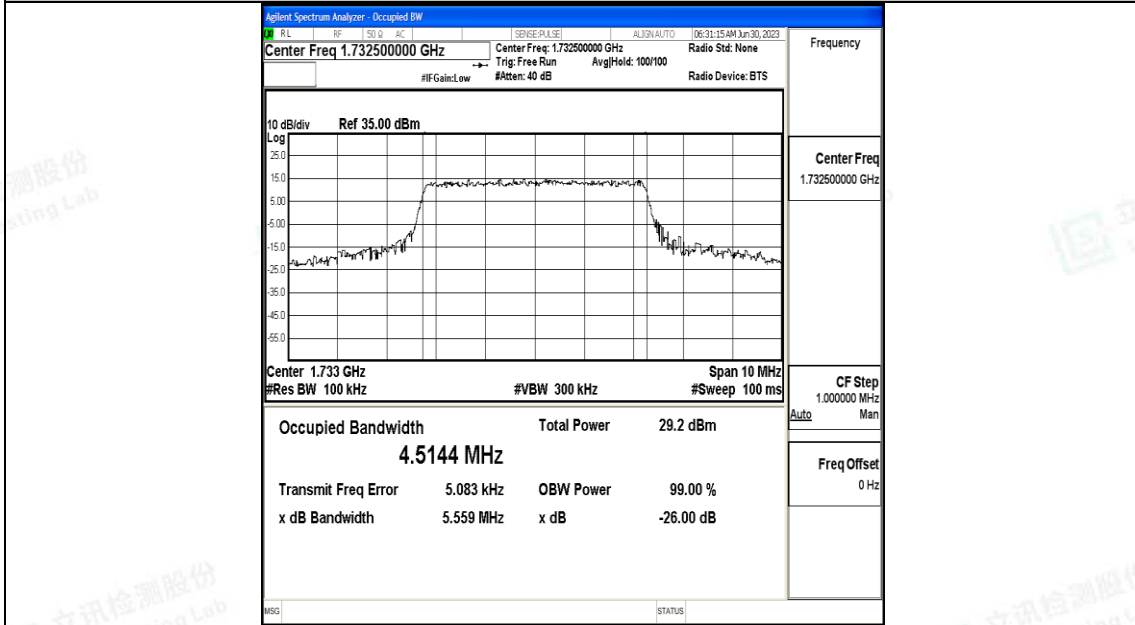


5MHz-19975



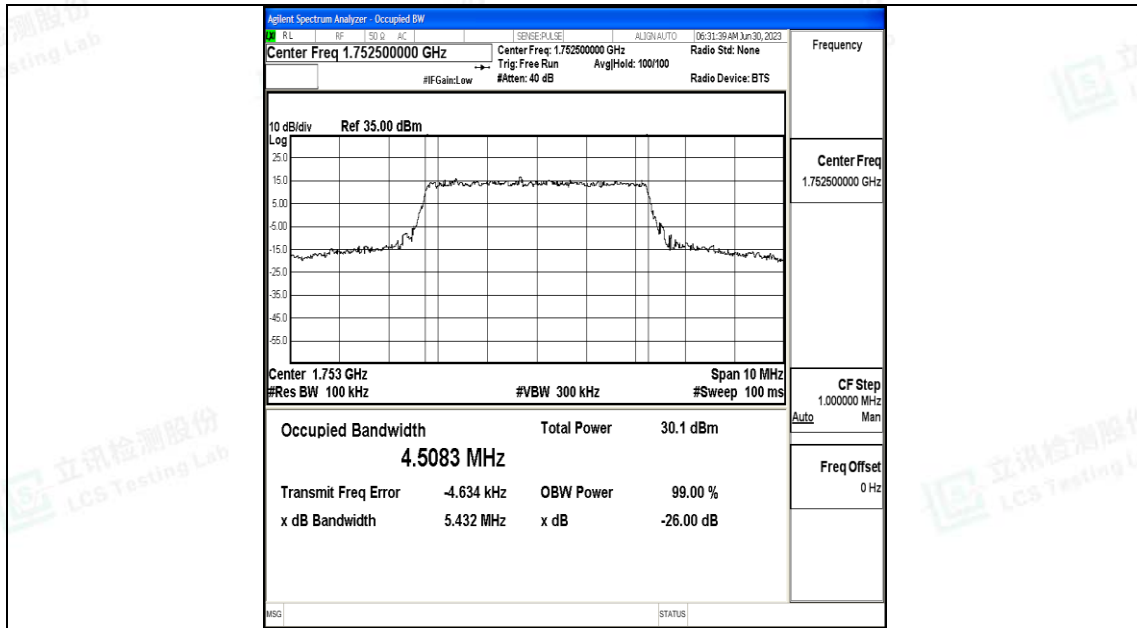


5MHz-20175

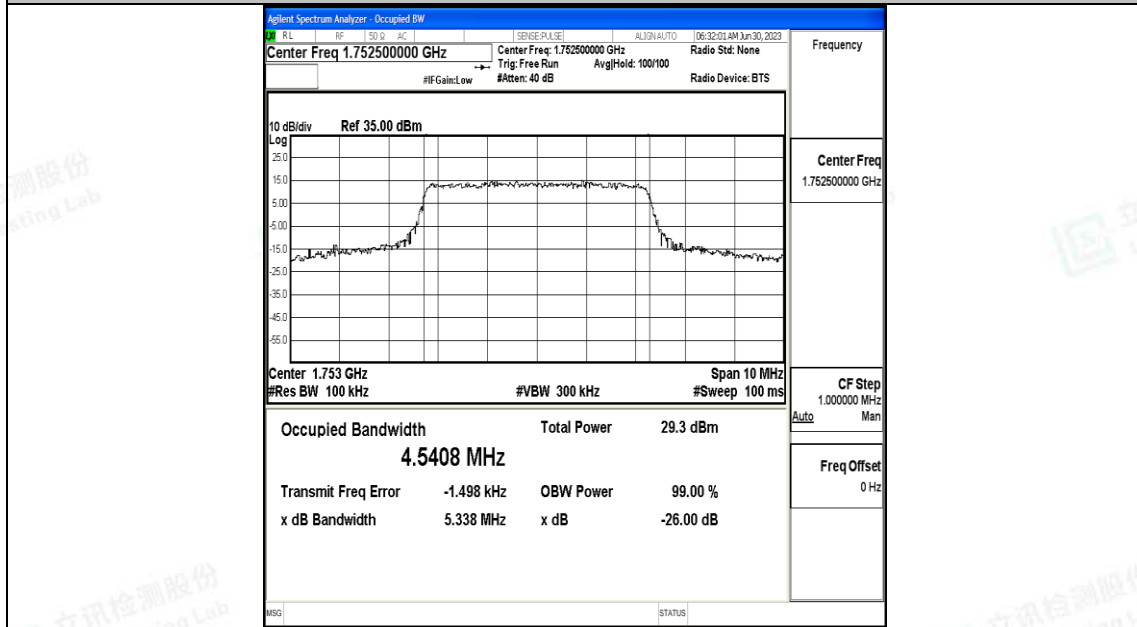


5MHz-20175



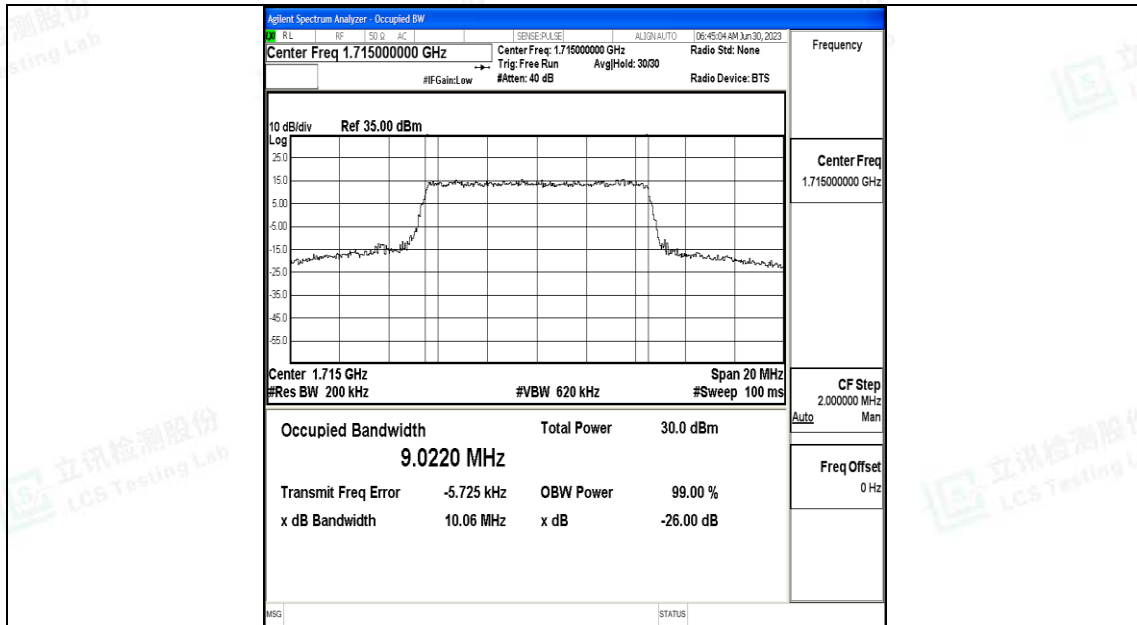


5MHz-20375

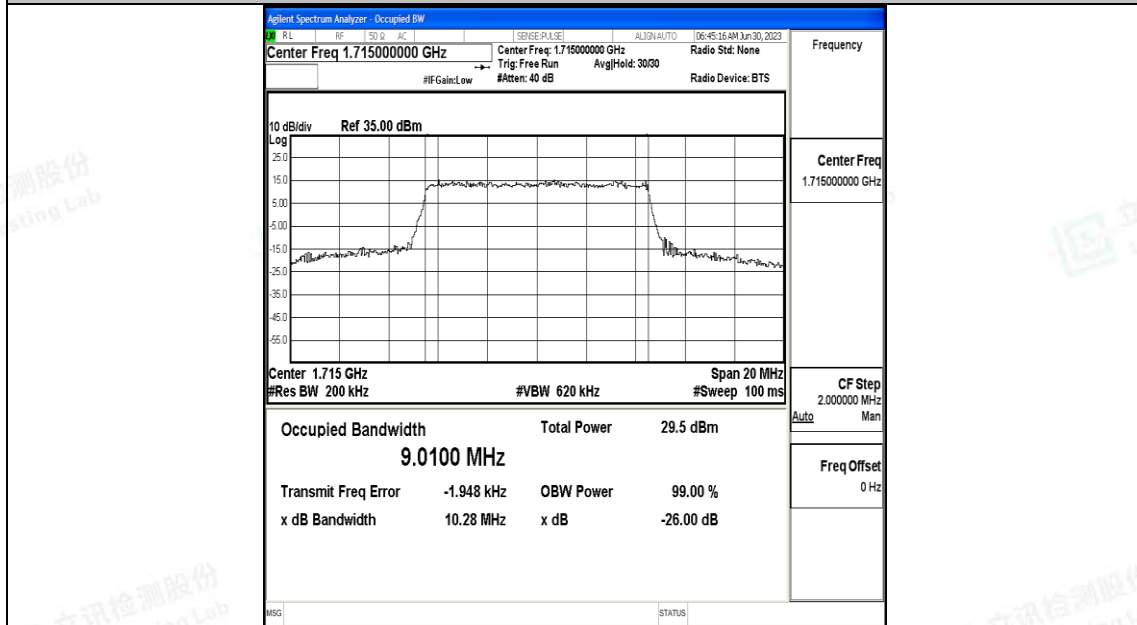


5MHz-20375



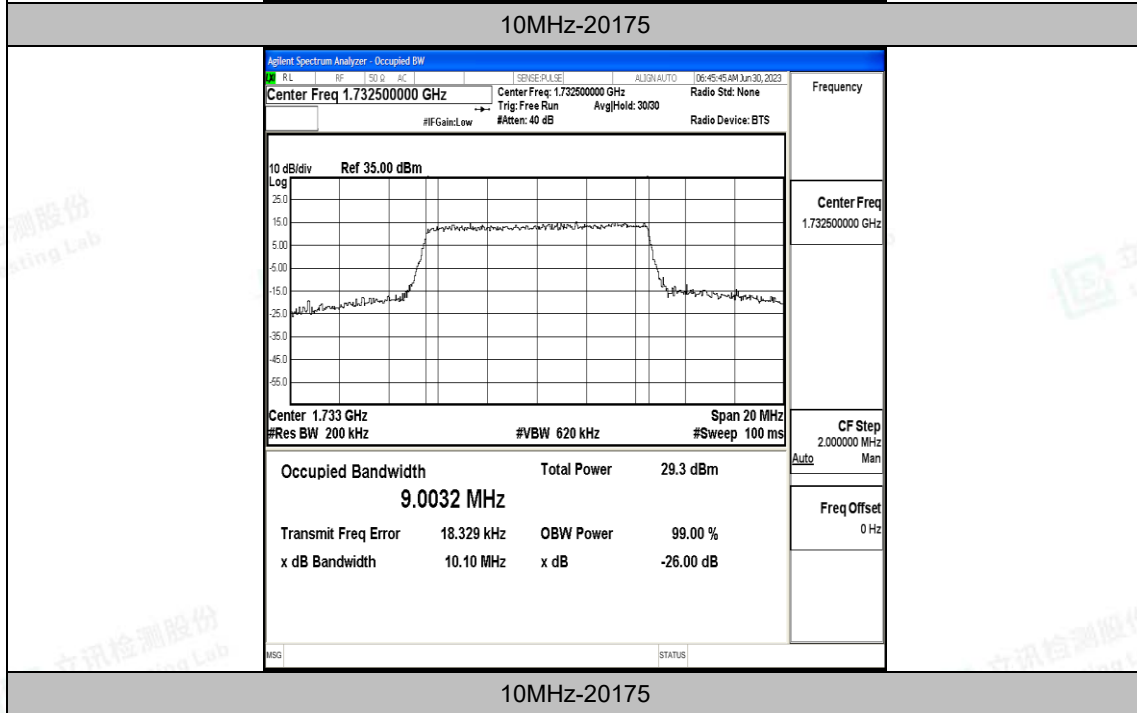
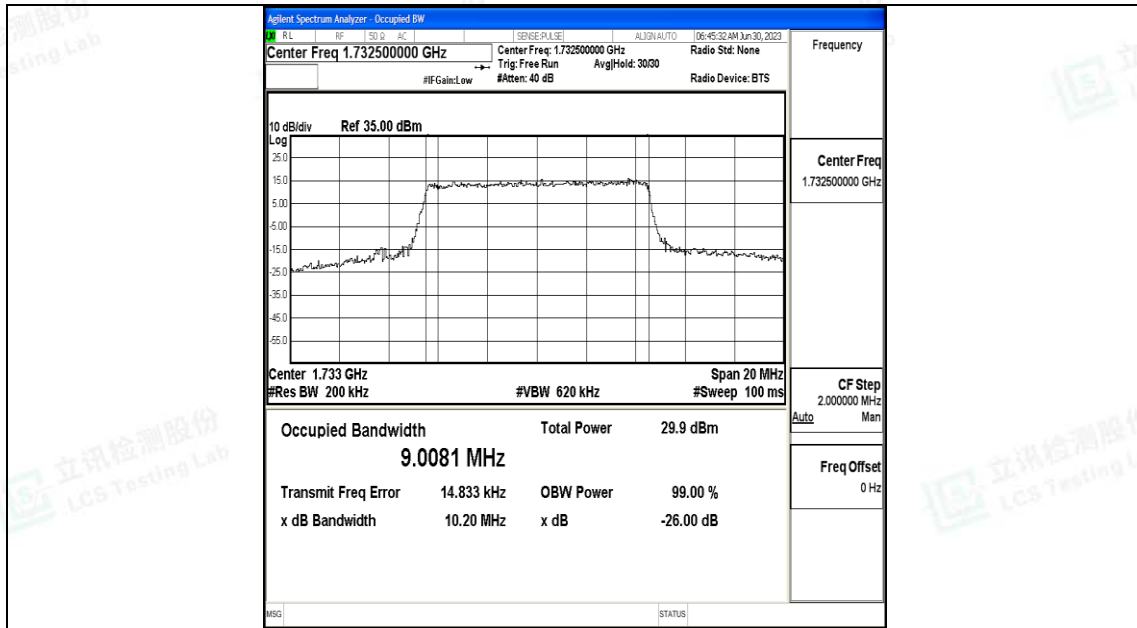


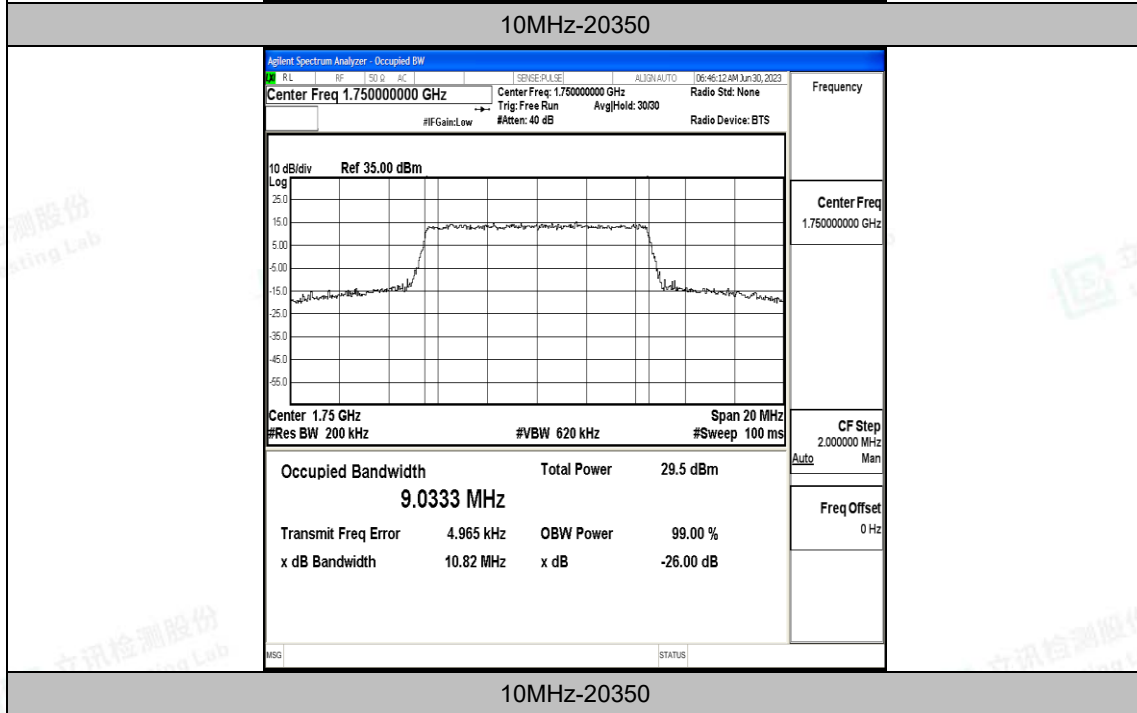
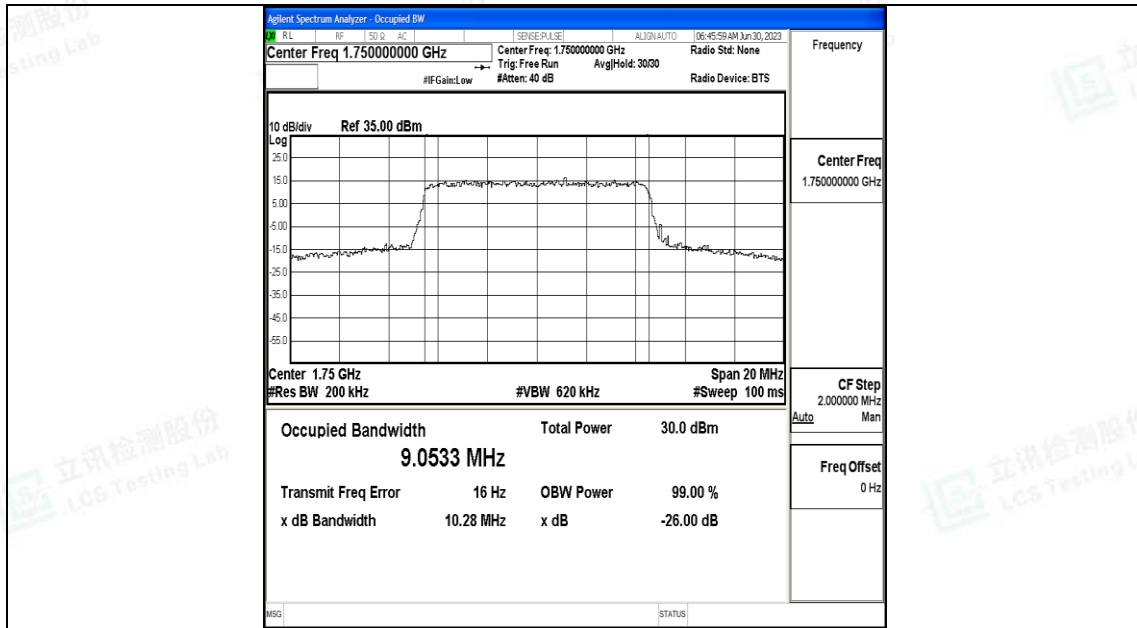
10MHz-20000

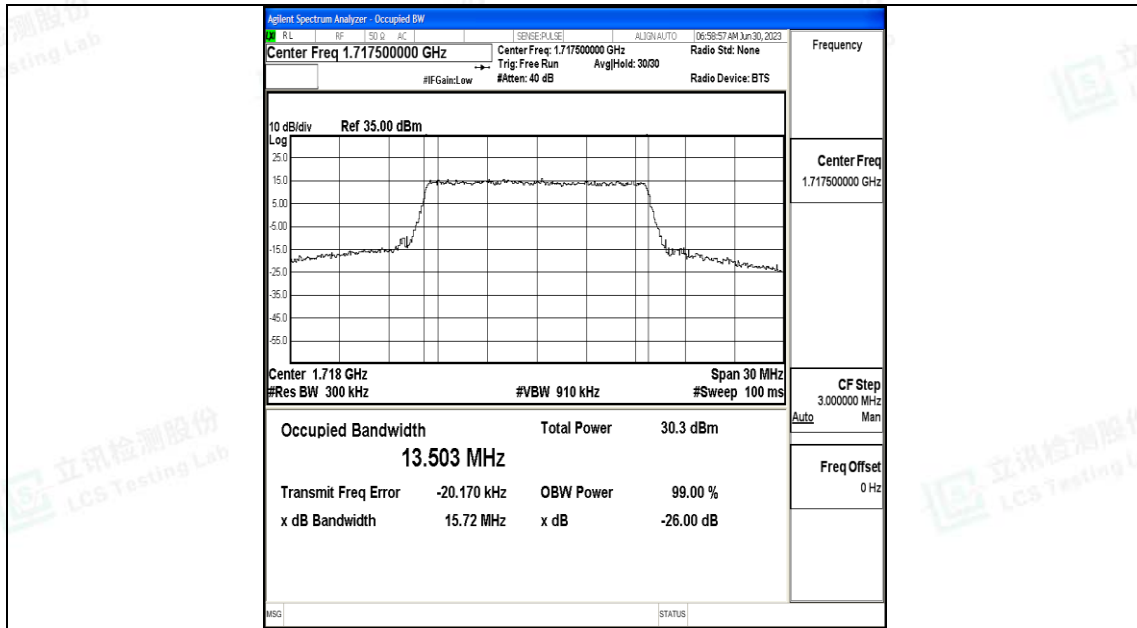


10MHz-20000

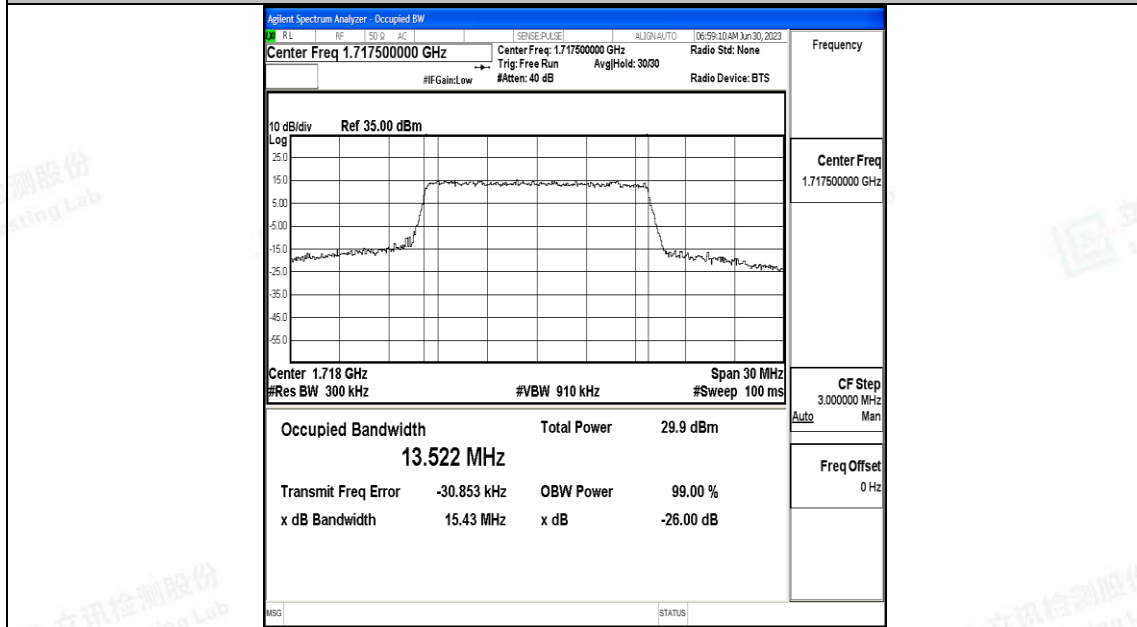






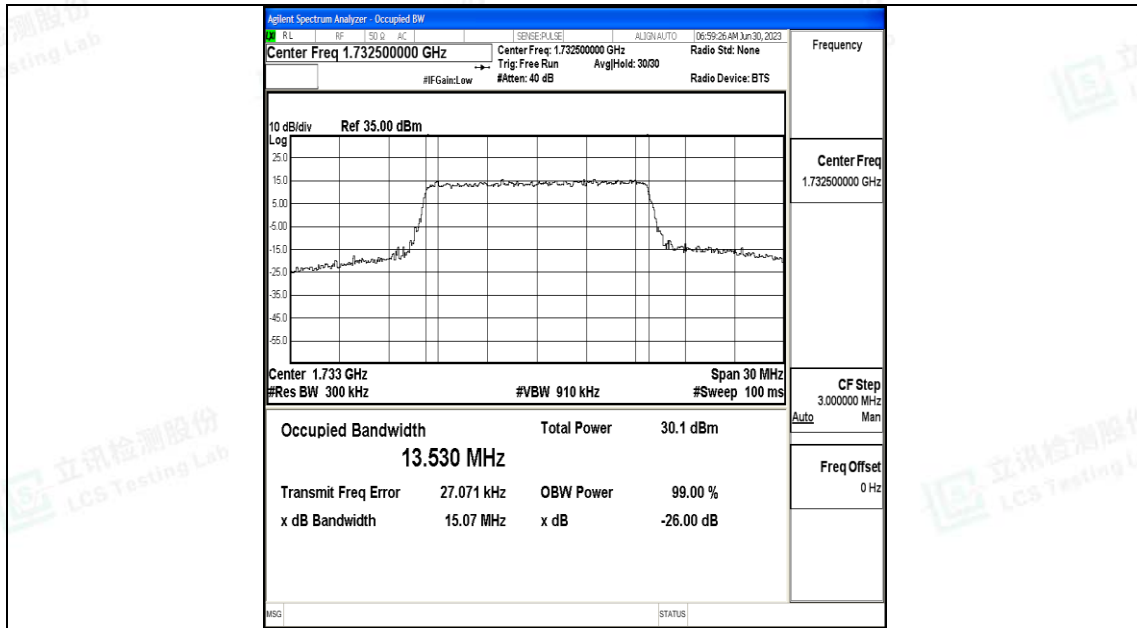


15MHz-20025

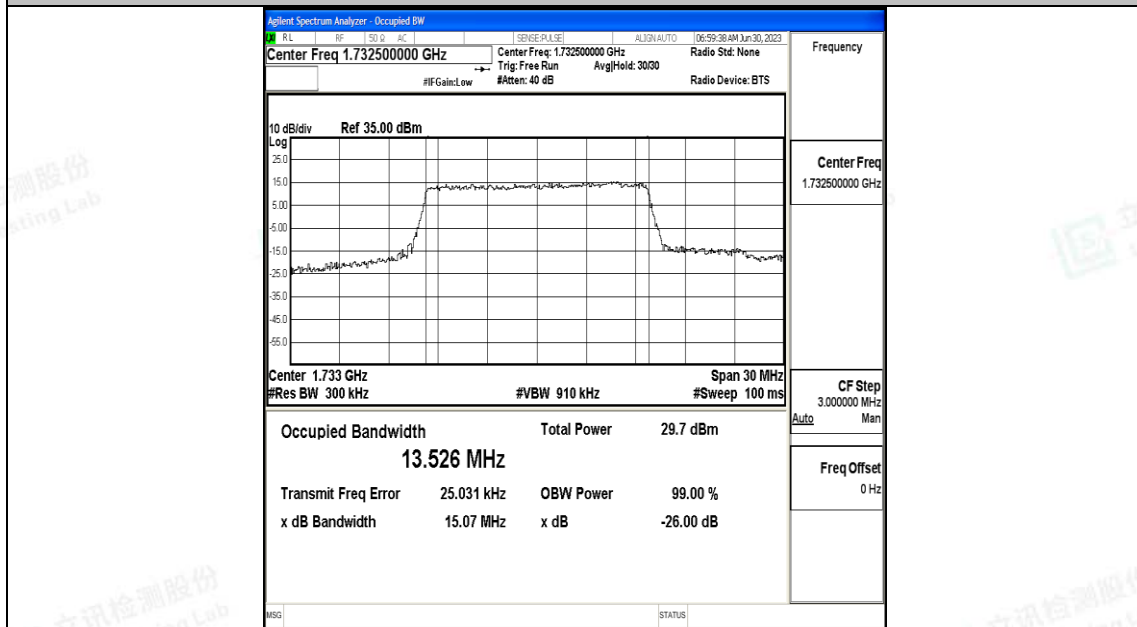


15MHz-20025



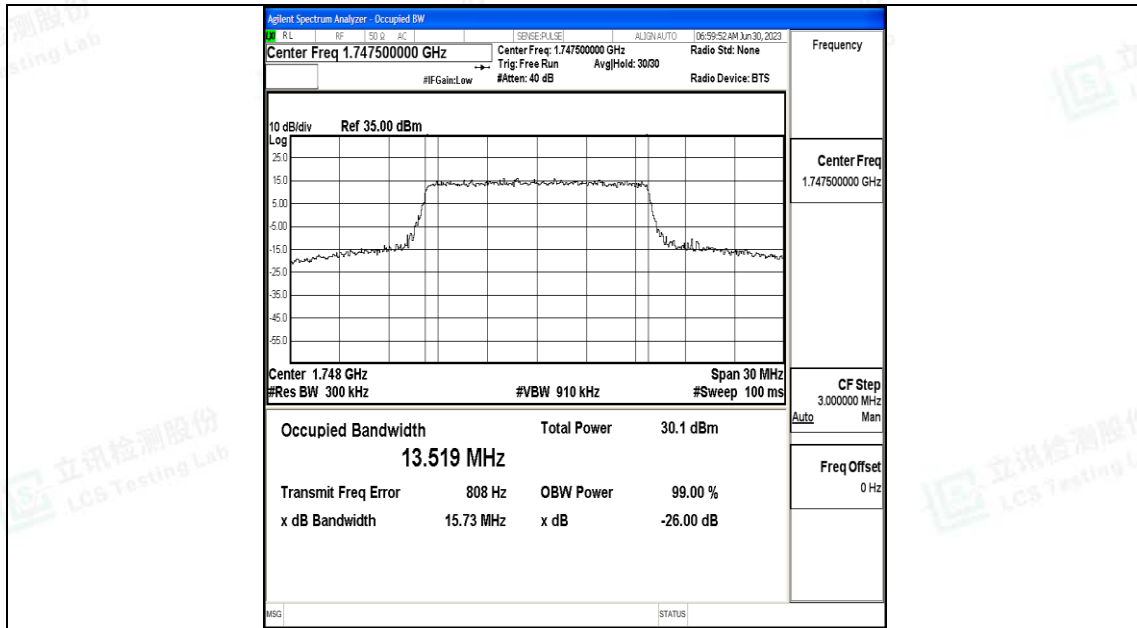


15MHz-20175

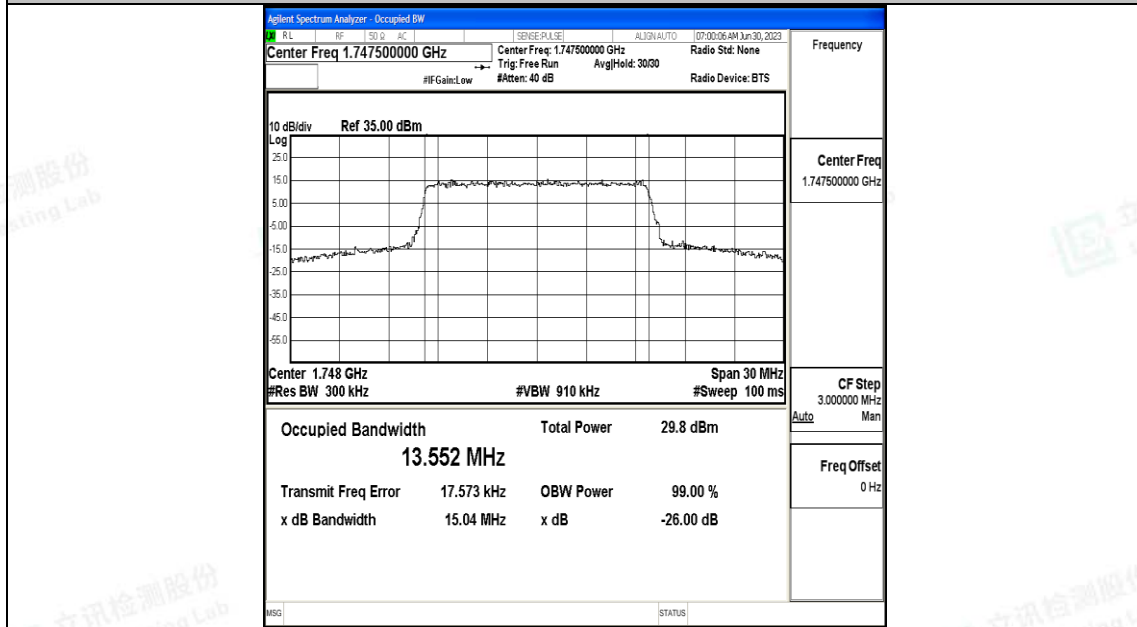


15MHz-20175



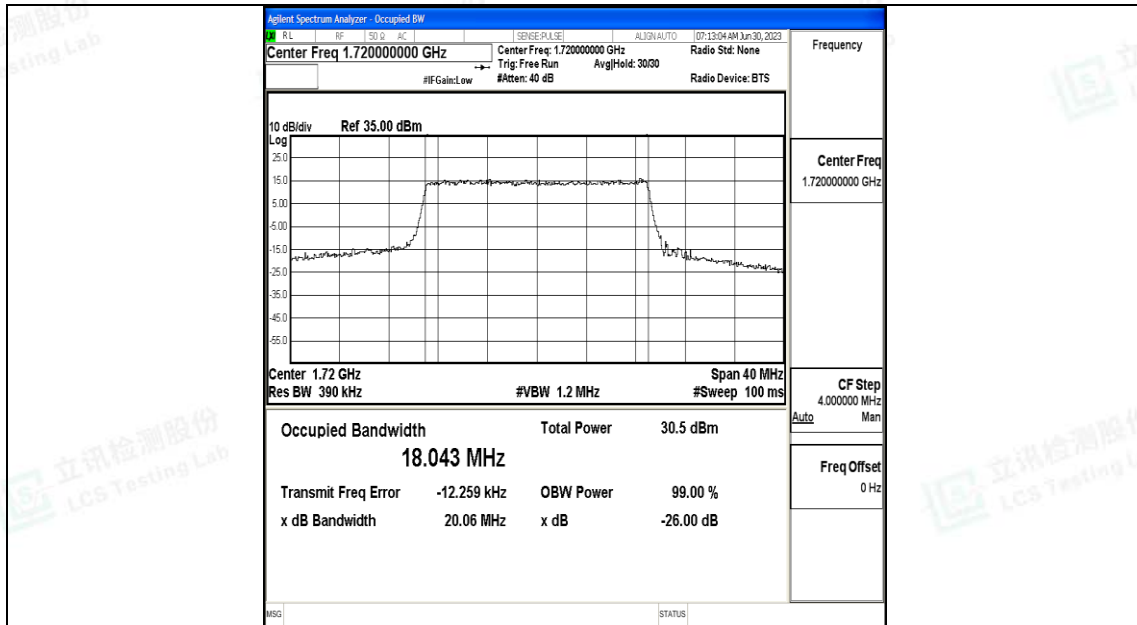


15MHz-20325

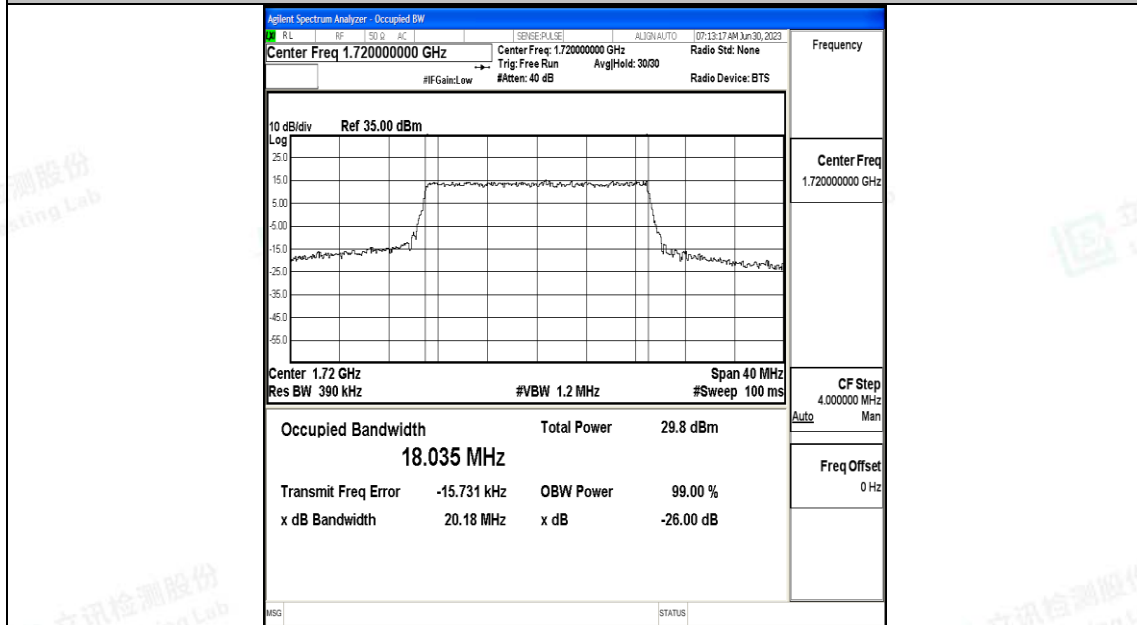


15MHz-20325



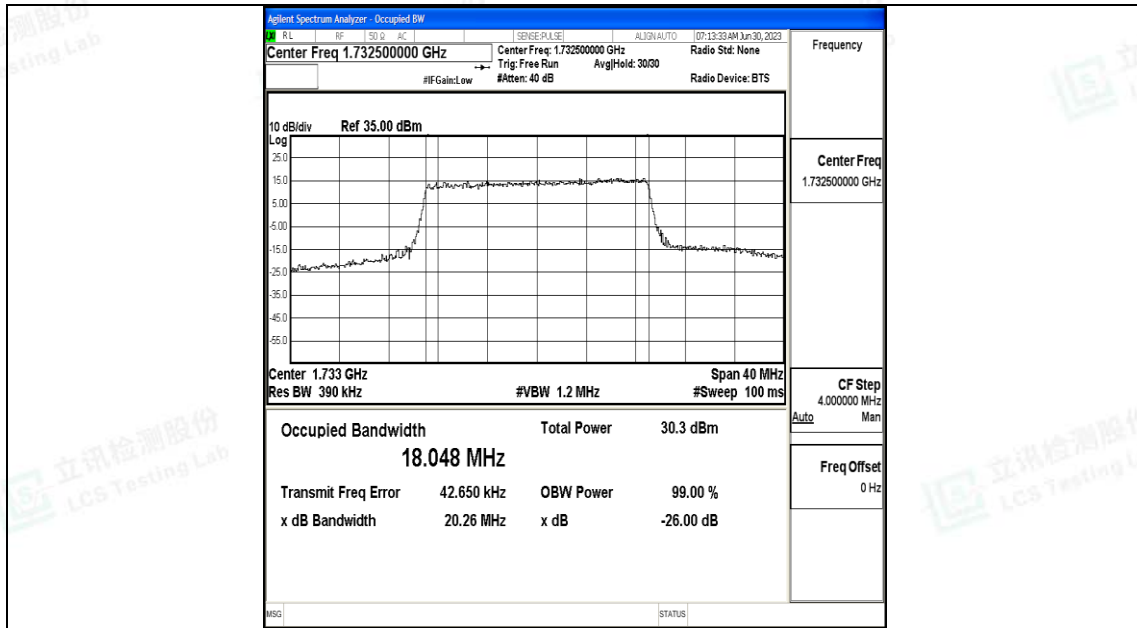


20MHz-20050

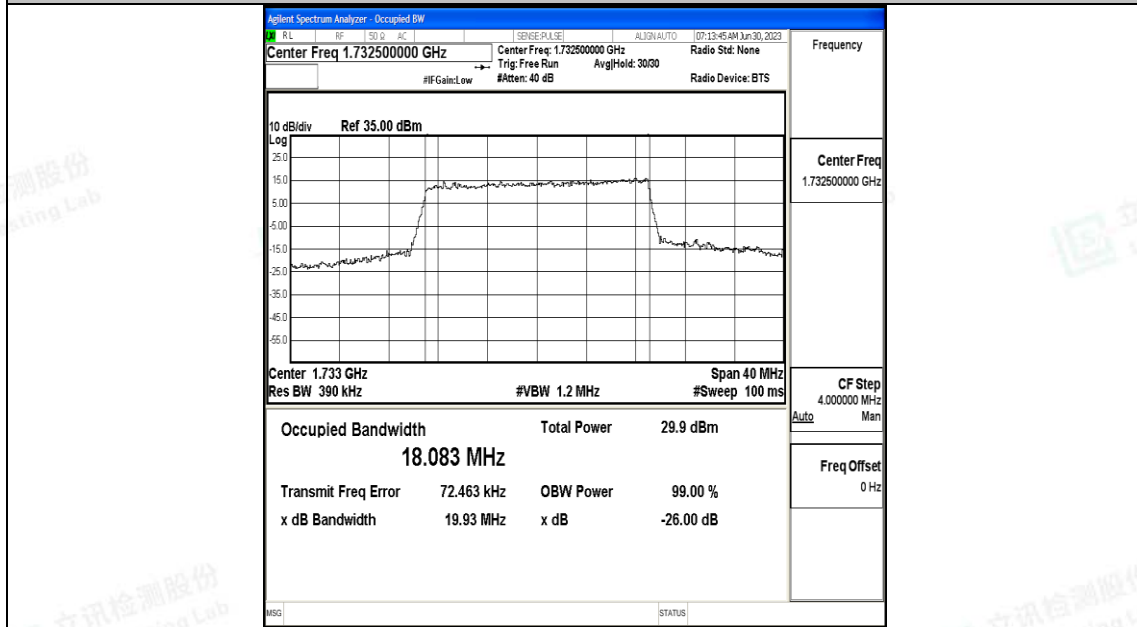


20MHz-20050



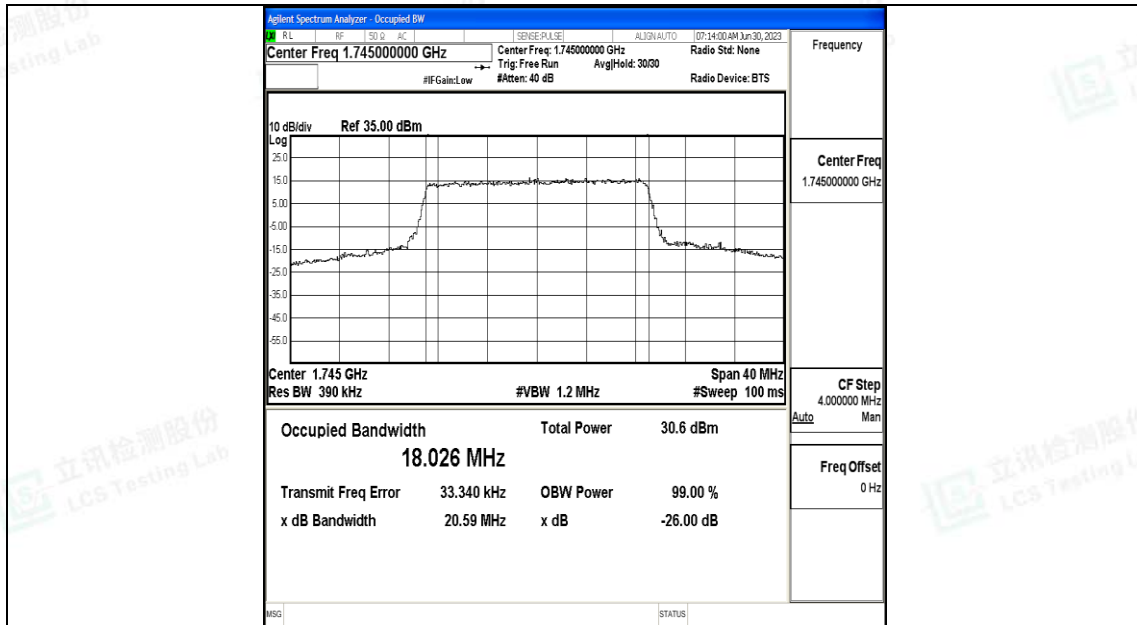


20MHz-20175

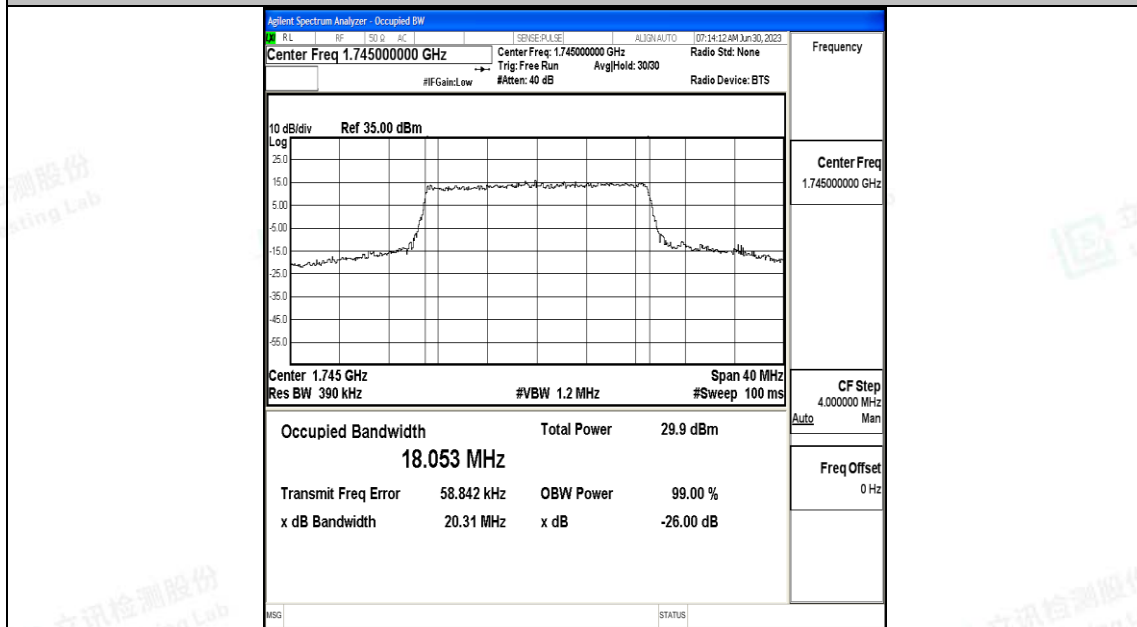


20MHz-20175





20MHz-20300



20MHz-20300





E.4 Band Edge

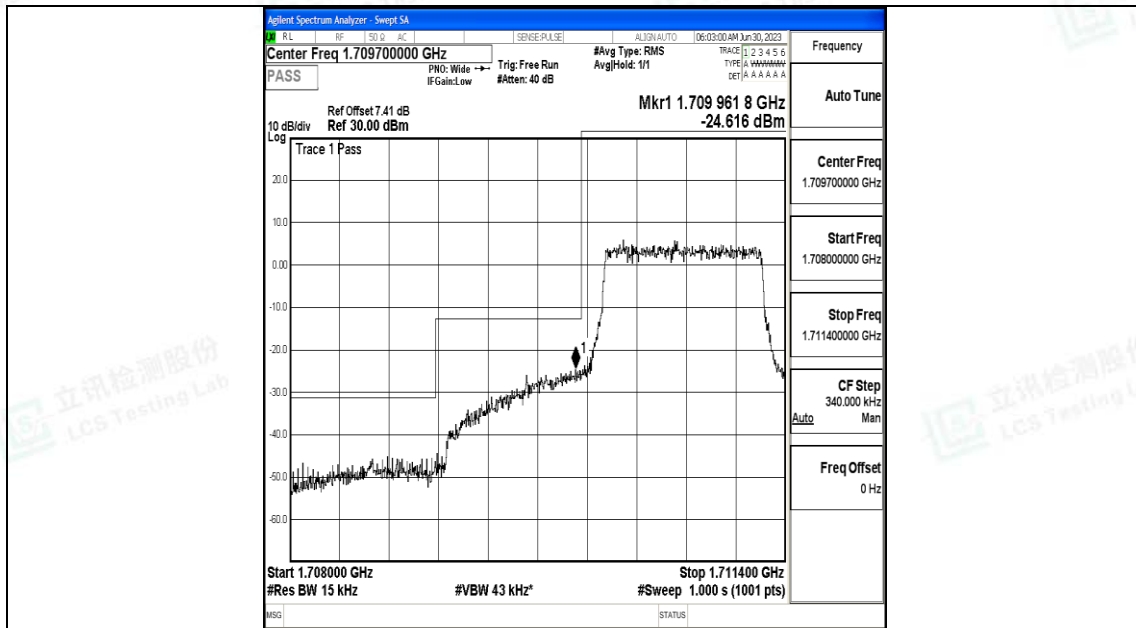
Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Peak Frequency | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|----------------|-------------|---------|
| Band4 | 1.4MHz | QPSK | 19957 | 6RB#0 | 1709.96 | -24.62 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 6RB#0 | 1708.96 | -42.59 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 6RB#0 | 1755.02 | -24.15 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0 | 1756.01 | -42.58 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 25RB#0 | 1708.88 | -27.72 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0 | 1708.83 | -28.76 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 25RB#0 | 1756.03 | -26.69 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 25RB#0 | 1756.03 | -28.23 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 15RB#0 | 1708.96 | -31.36 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 15RB#0 | 1708.96 | -33.13 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 15RB#0 | 1756.10 | -30.03 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0 | 1756.28 | -32.55 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 50RB#0 | 1708.84 | -28.01 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | 1708.71 | -29.00 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 50RB#0 | 1756.11 | -26.48 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | 1756.76 | -27.77 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 75RB#0 | 1708.88 | -26.38 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0 | 1708.78 | -27.86 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 75RB#0 | 1756.20 | -24.62 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0 | 1756.27 | -25.58 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 100RB#0 | 1708.81 | -26.83 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | 1708.81 | -28.28 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 100RB#0 | 1756.01 | -24.80 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 1756.10 | -26.18 | PASS |

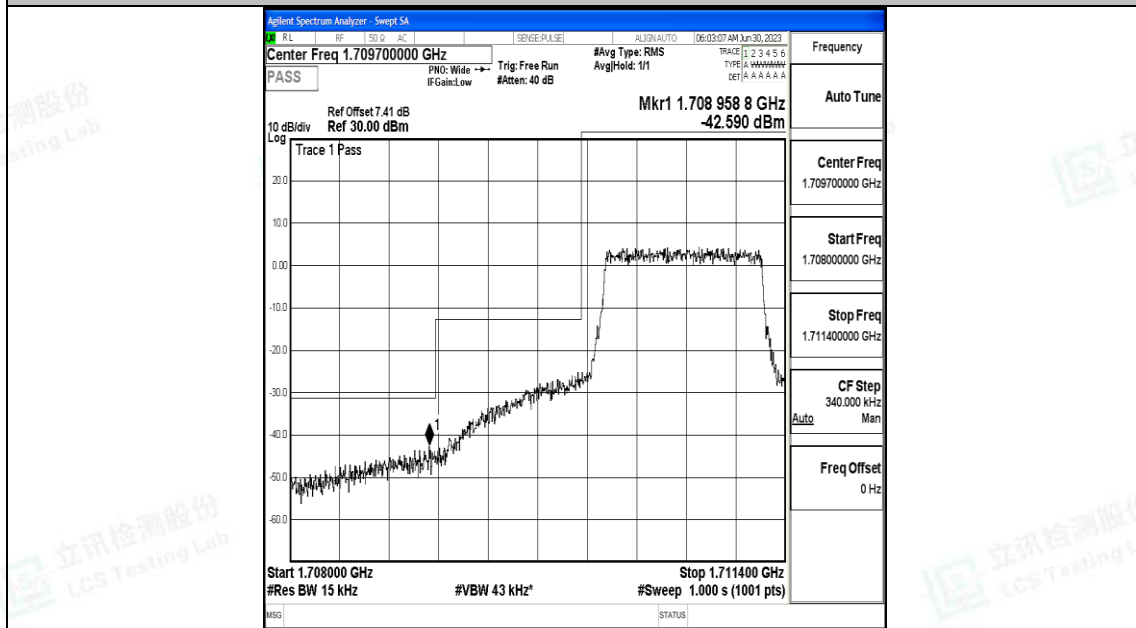




Test Graphs

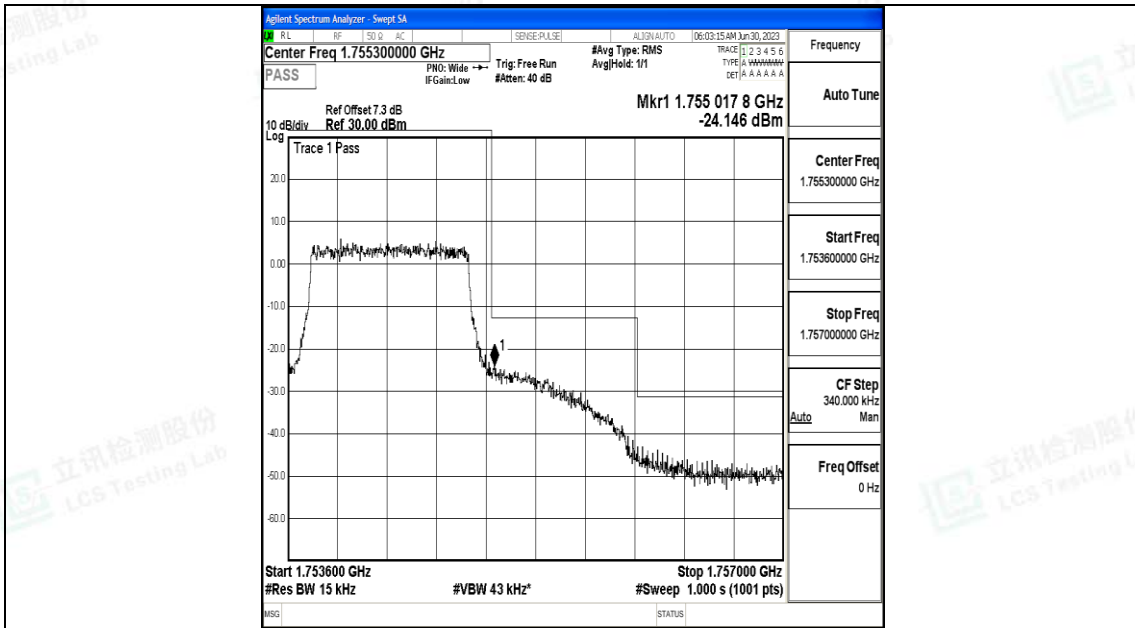


Band4_1.4MHz_QPSK_19957_6RB#0

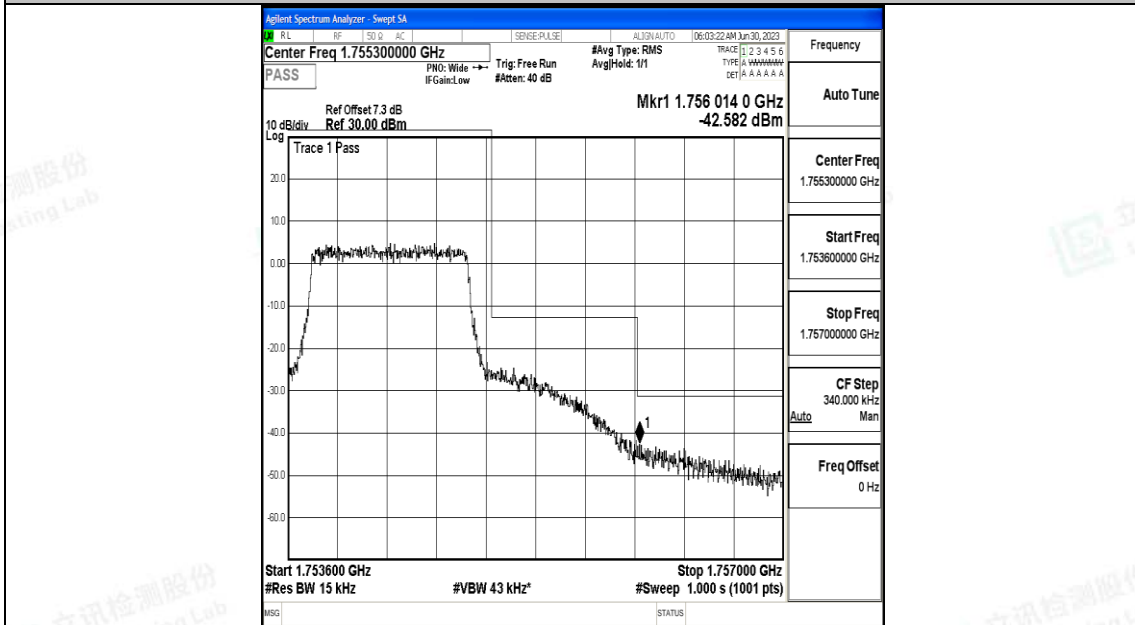


Band4_1.4MHz_16QAM_19957_6RB#0



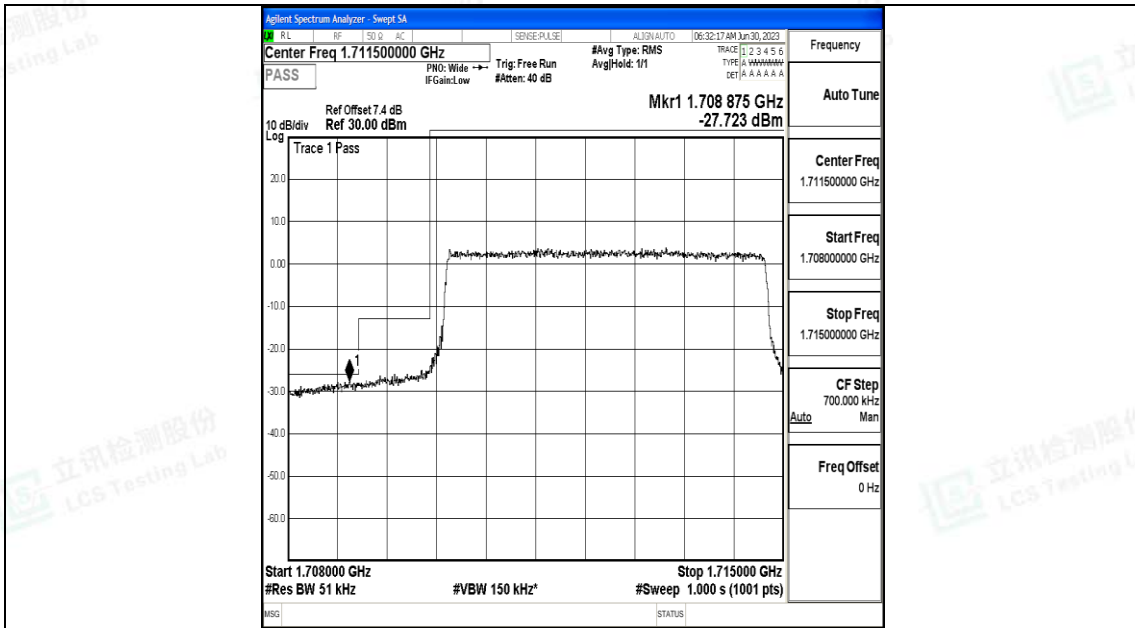


Band4_1.4MHz_QPSK_20393_6RB#0

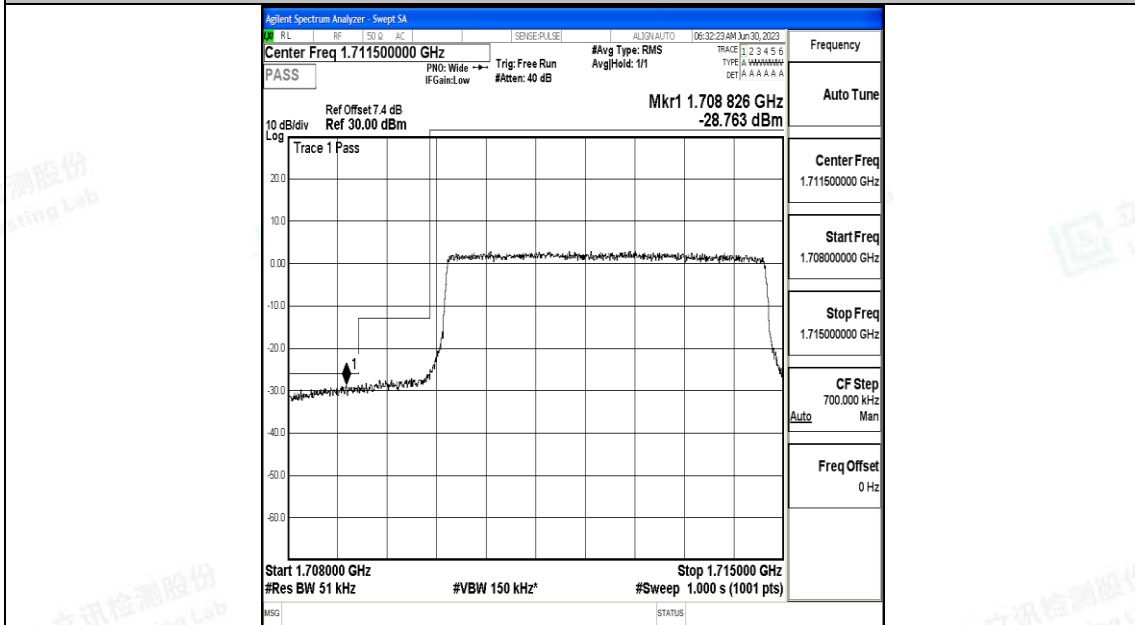


Band4_1.4MHz_16QAM_20393_6RB#0



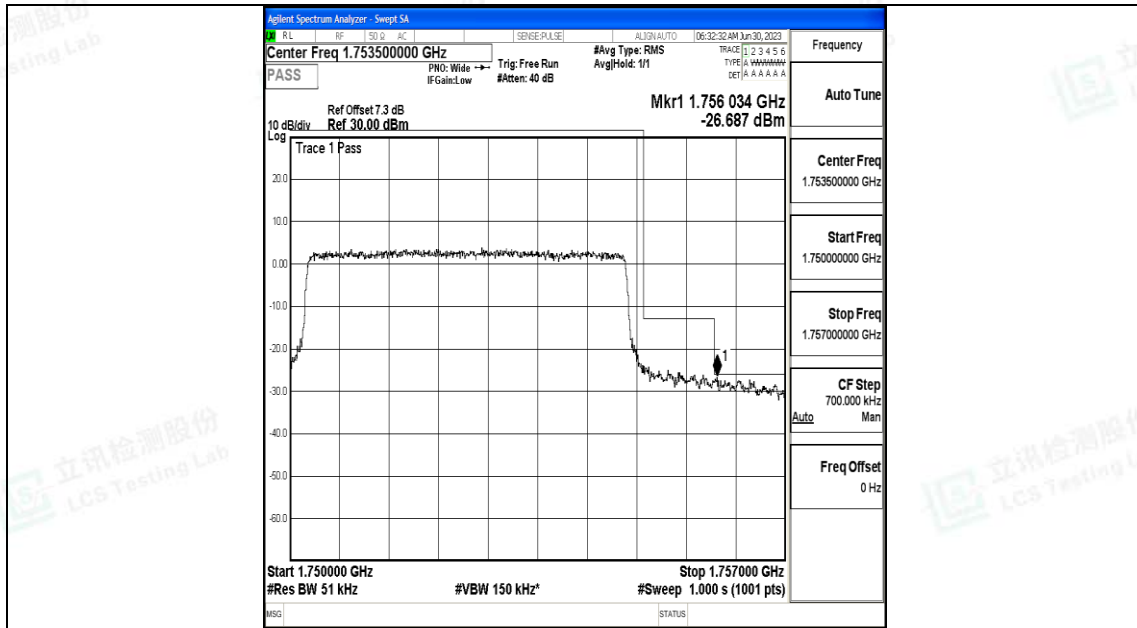


Band4_5MHz_QPSK_19975_25RB#0

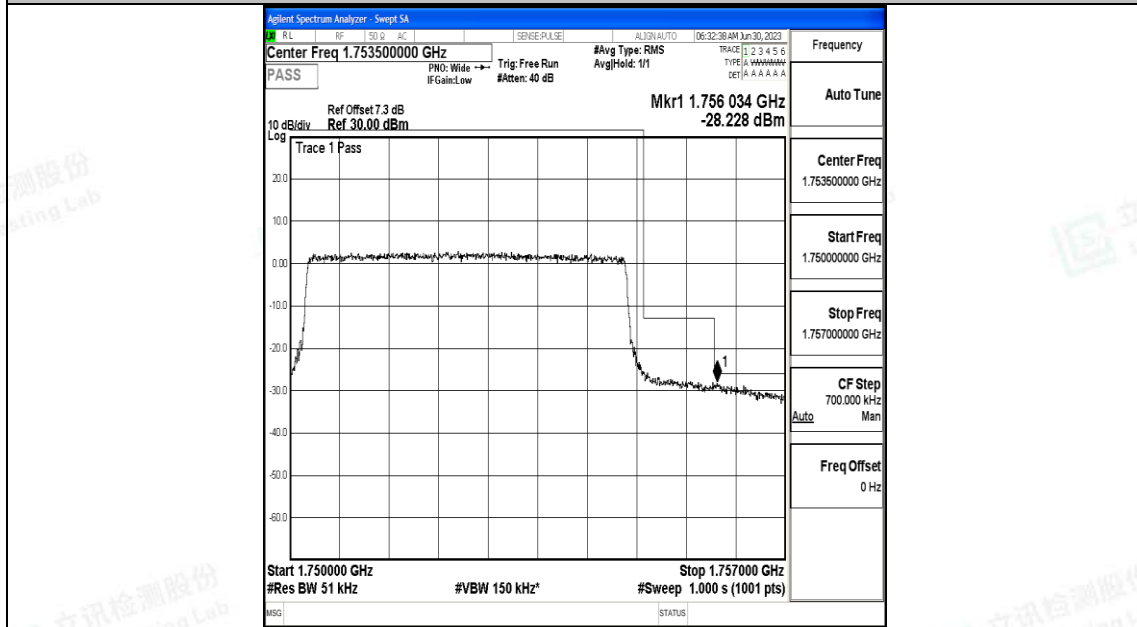


Band4_5MHz_16QAM_19975_25RB#0



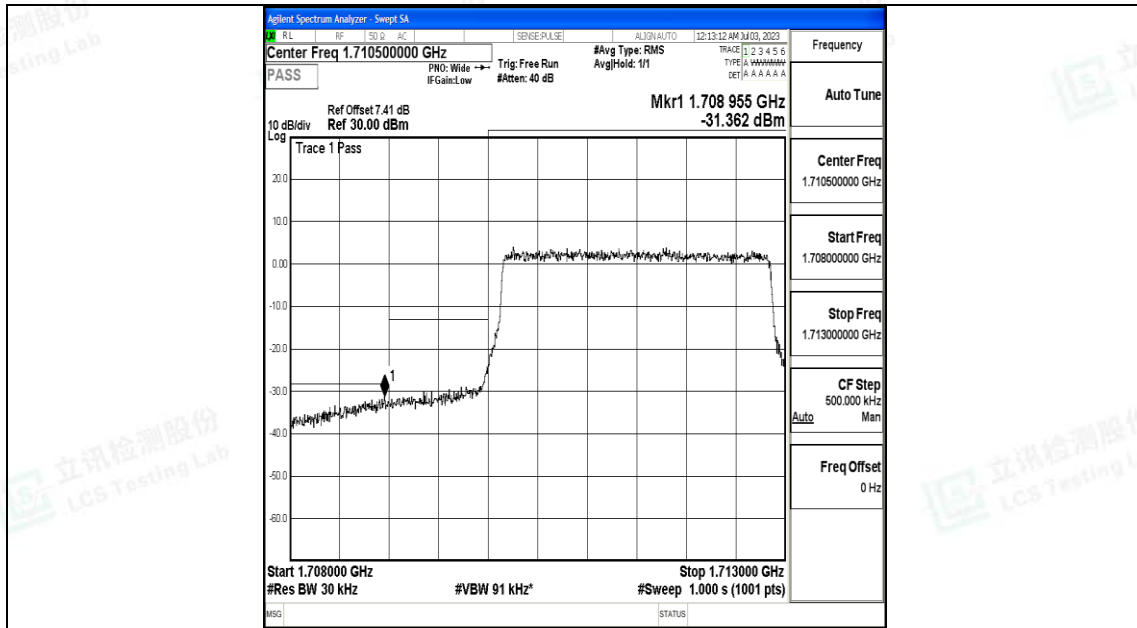


Band4_5MHz_QPSK_20375_25RB#0

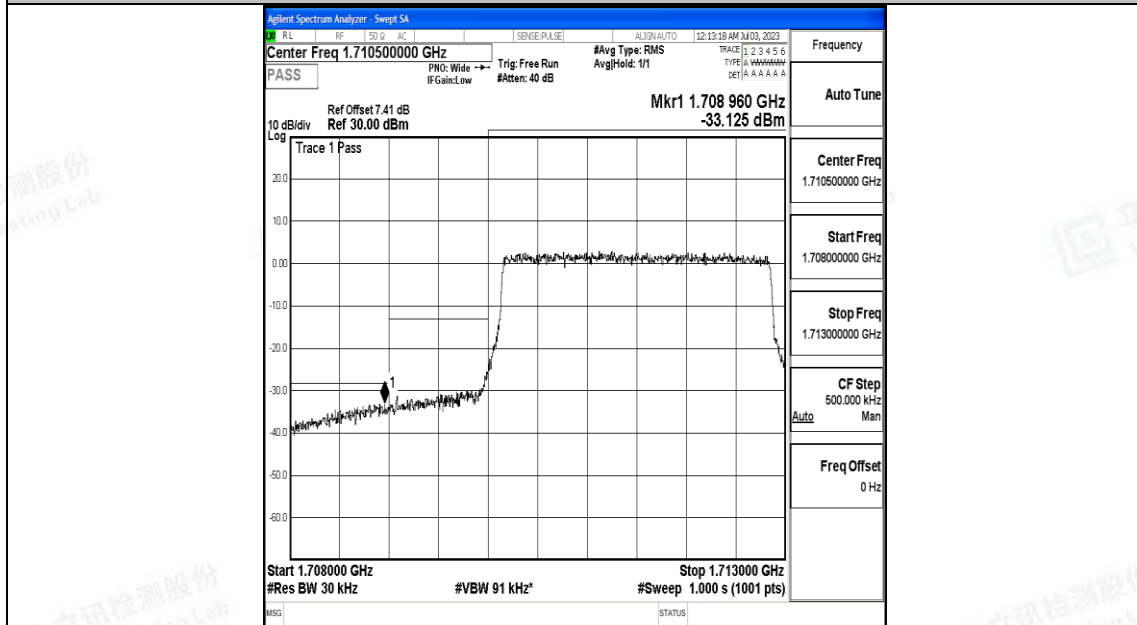


Band4_5MHz_16QAM_20375_25RB#0



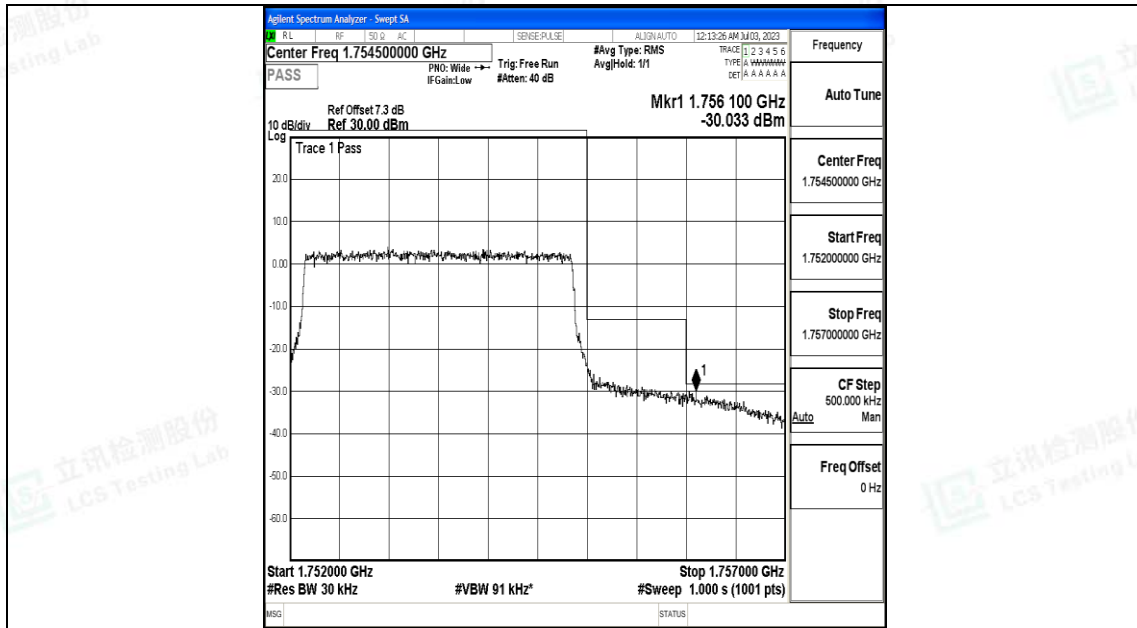


Band4_3MHz_QPSK_19965_15RB#0

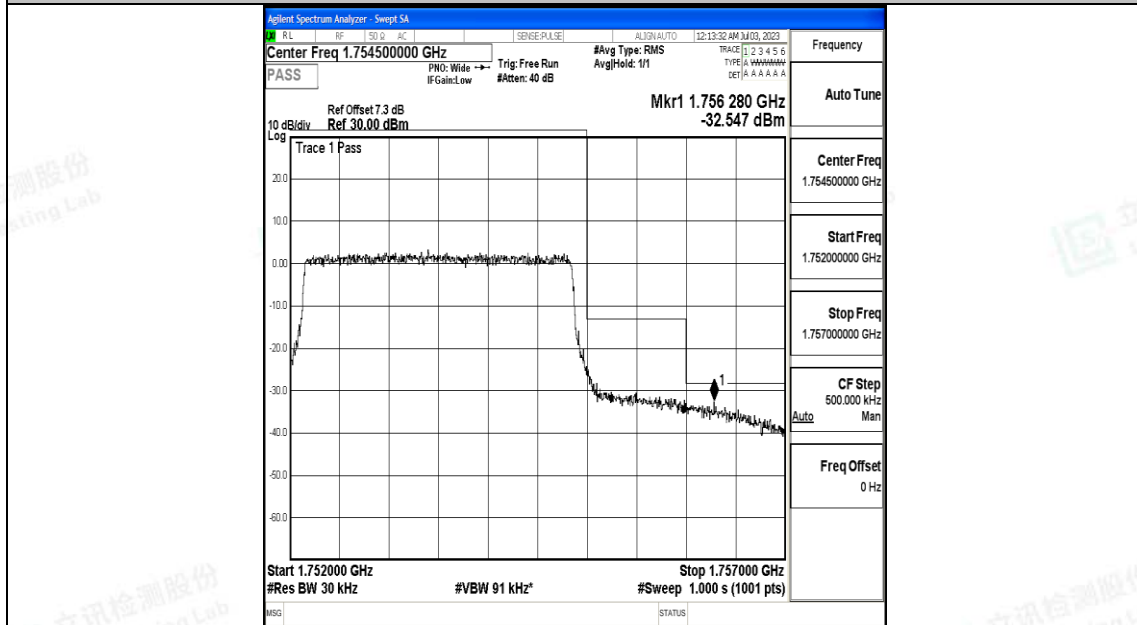


Band4_3MHz_16QAM_19965_15RB#0



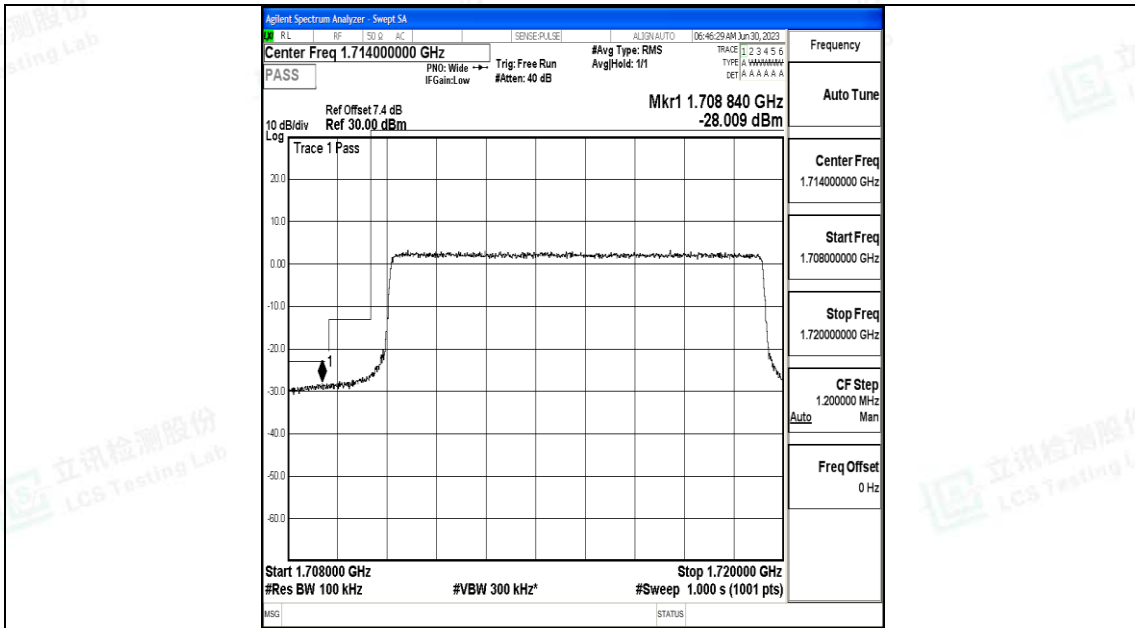


Band4_3MHz_QPSK_20385_15RB#0

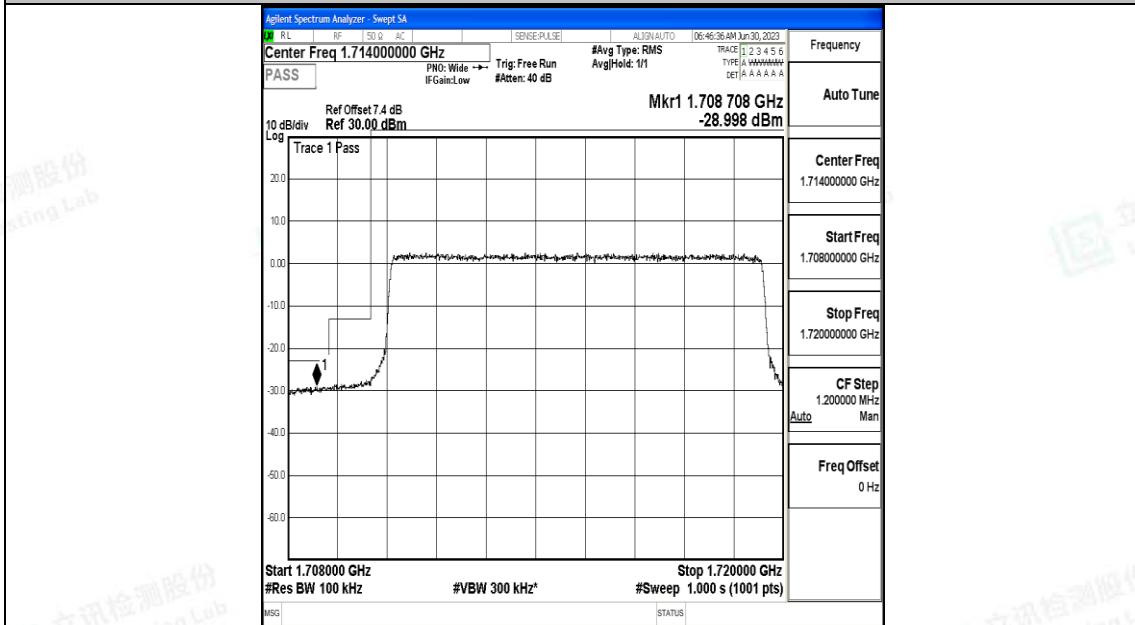


Band4_3MHz_16QAM_20385_15RB#0



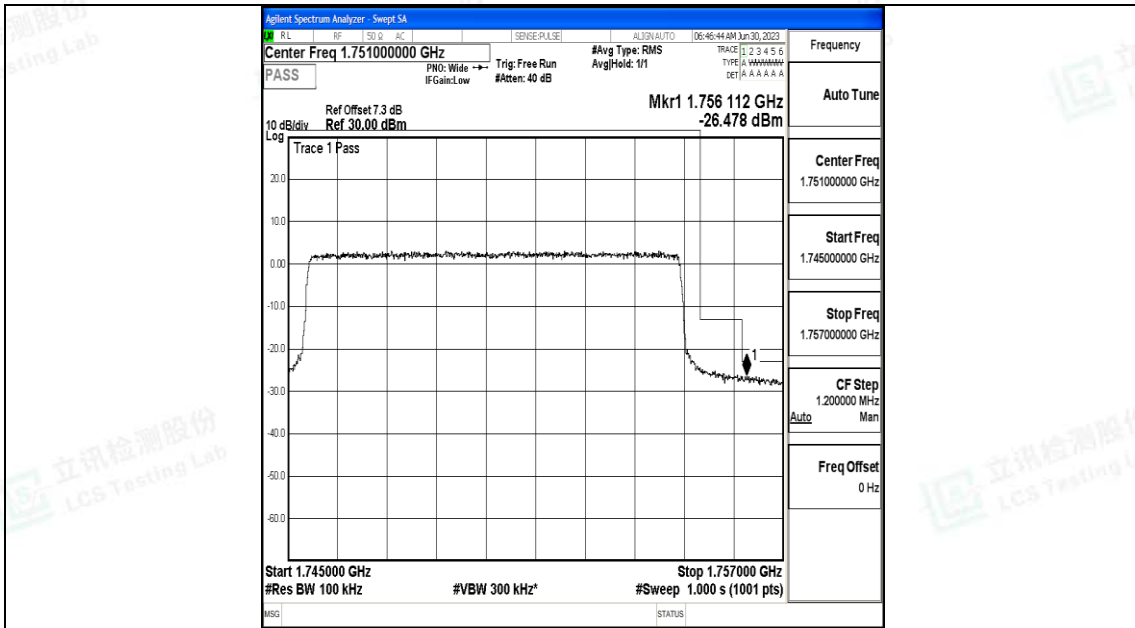


Band4_10MHz_QPSK_20000_50RB#0

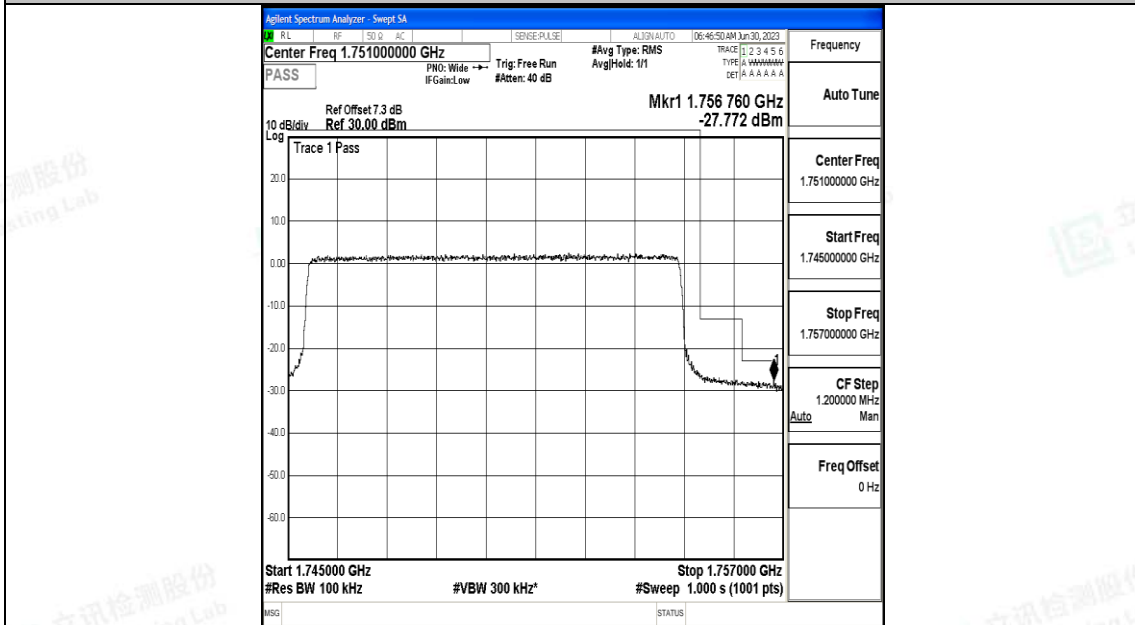


Band4_10MHz_16QAM_20000_50RB#0



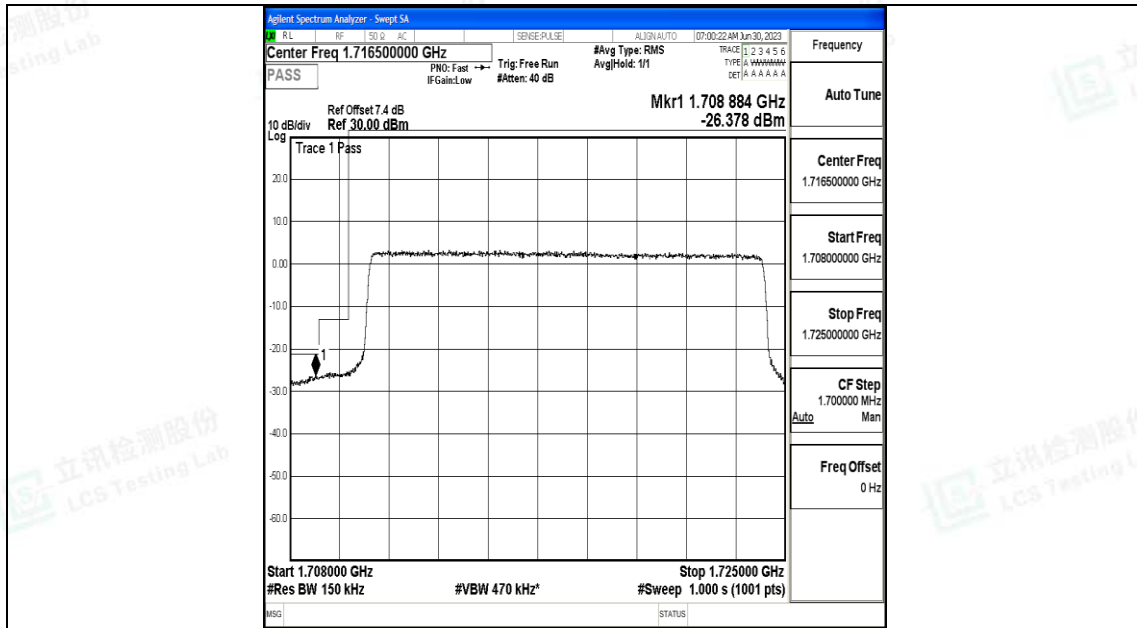


Band4_10MHz_QPSK_20350_50RB#0

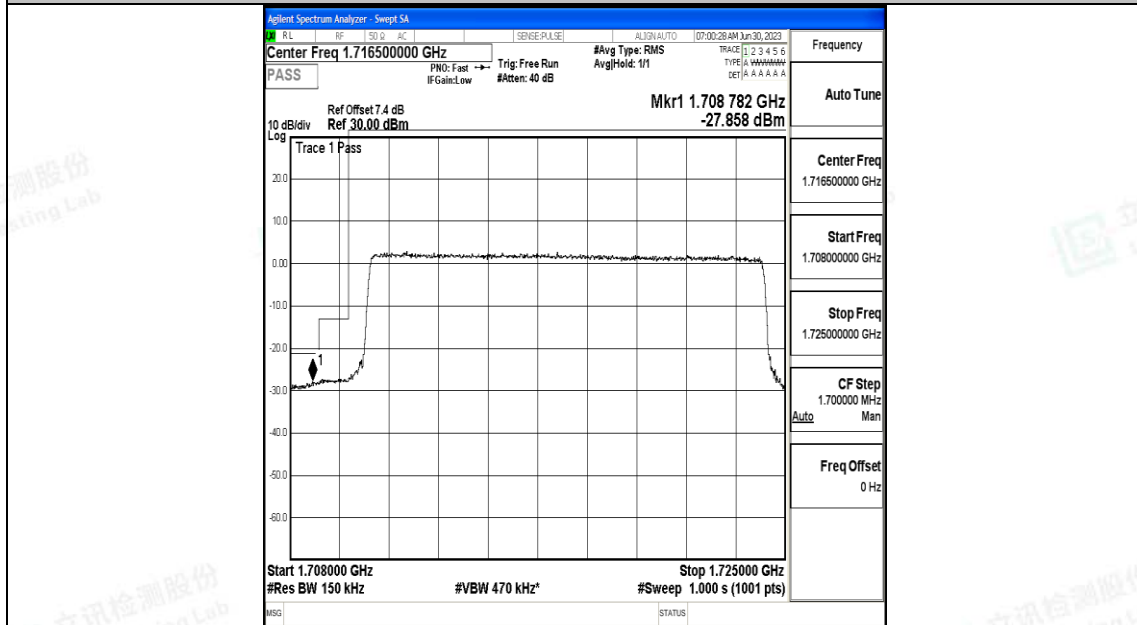


Band4_10MHz_16QAM_20350_50RB#0



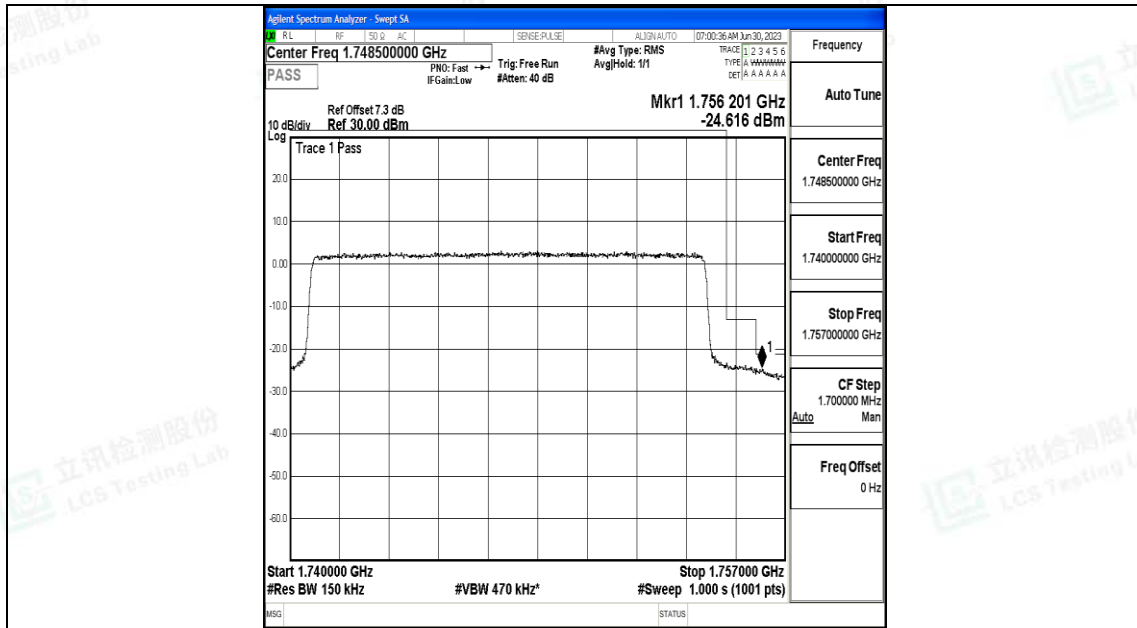


Band4_15MHz_QPSK_20025_75RB#0

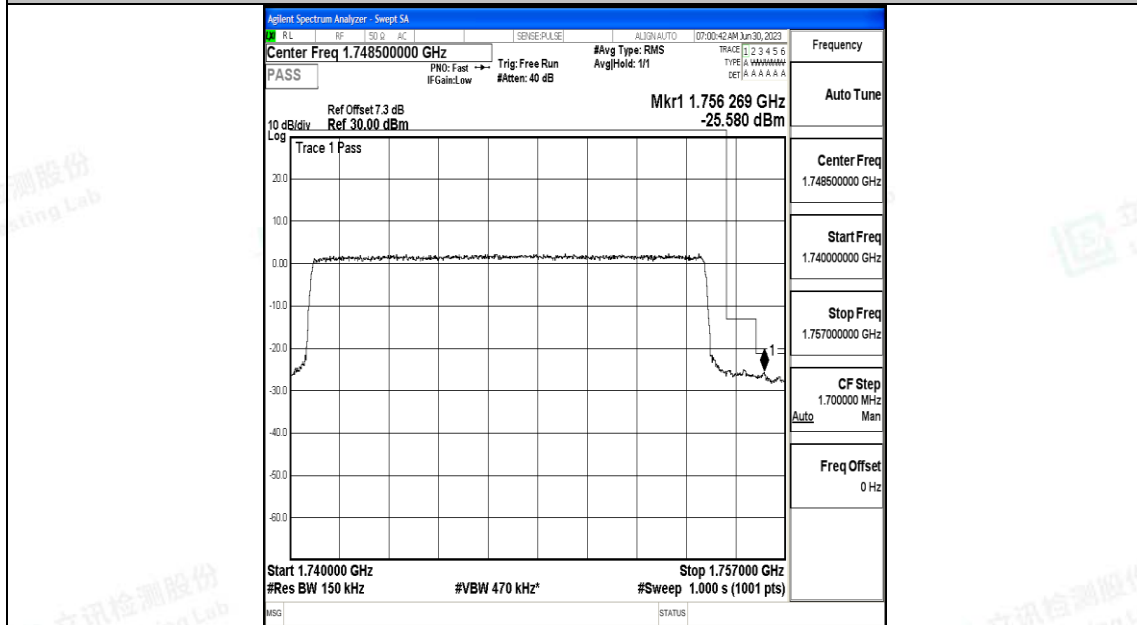


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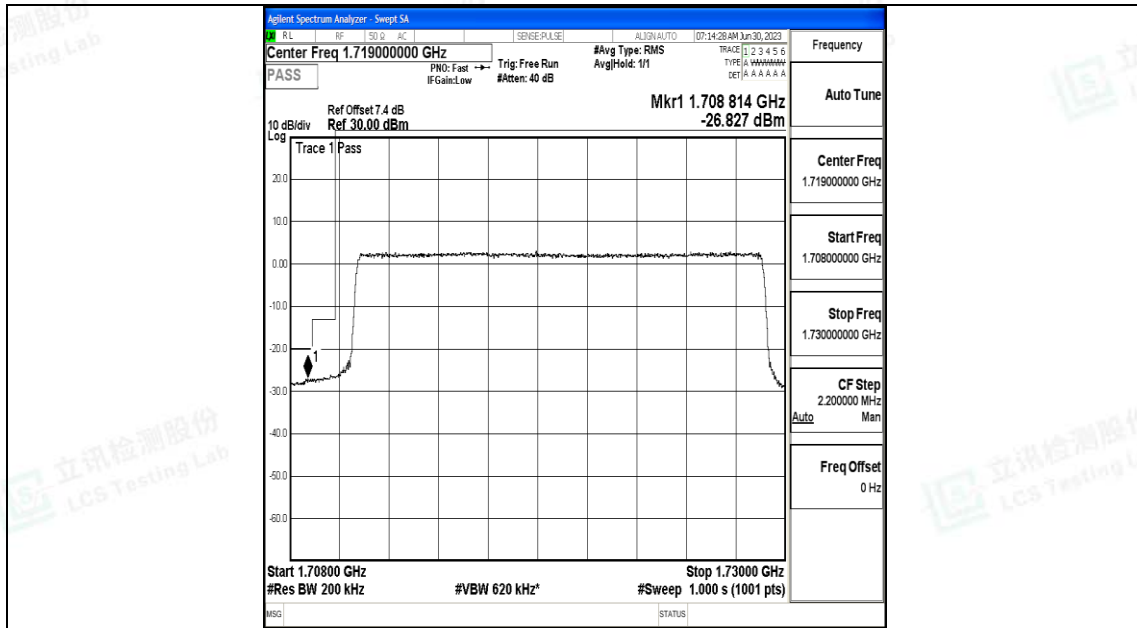


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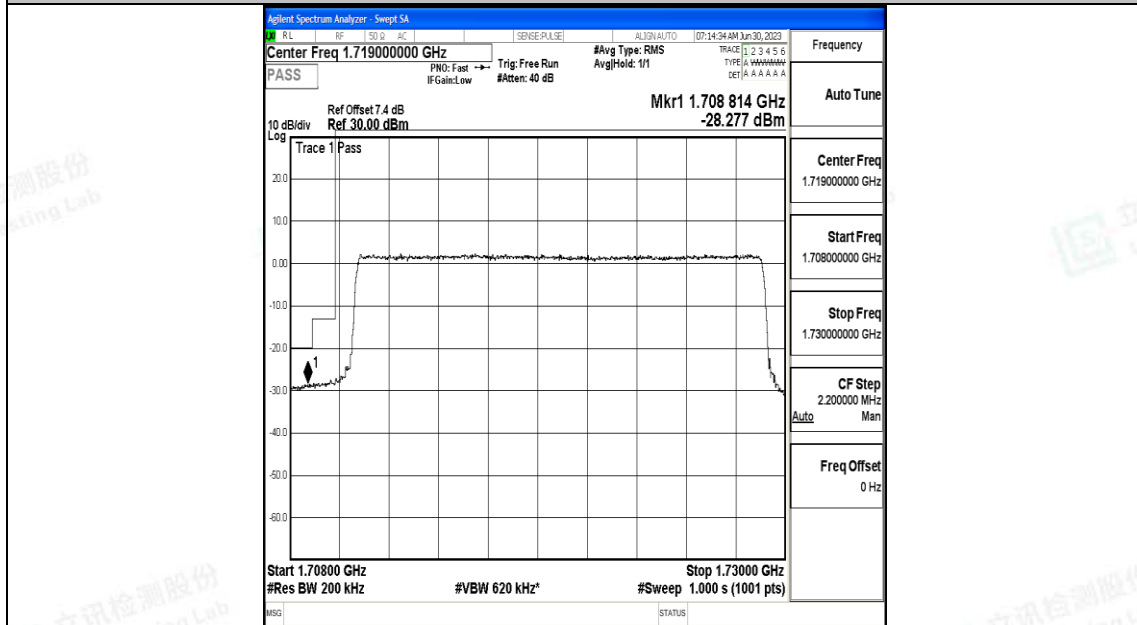


Band4_15MHz_16QAM_20325_75RB#0



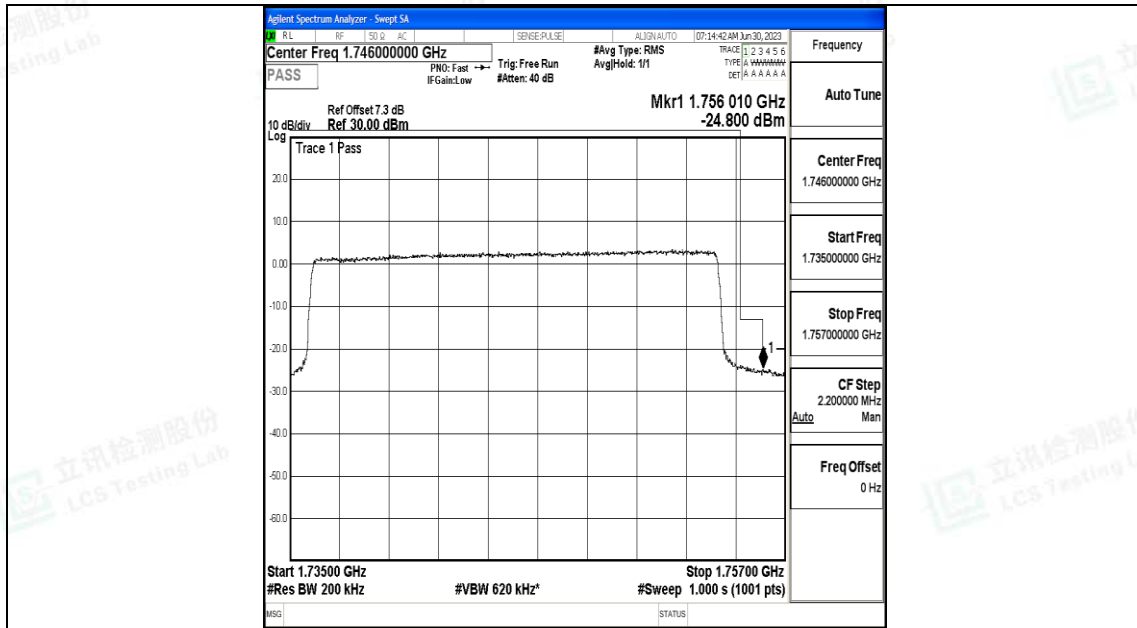


Band4_20MHz_QPSK_20050_100RB#0

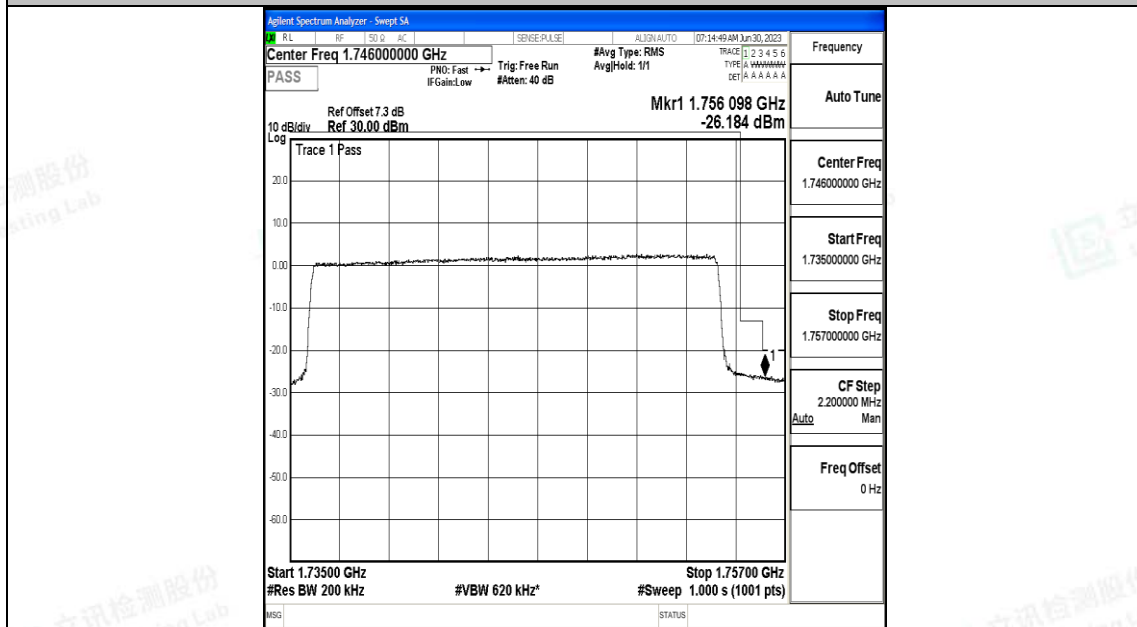


Band4_20MHz_16QAM_20050_100RB#0





Band4_20MHz_QPSK_20300_100RB#0



Band4_20MHz_16QAM_20300_100RB#0





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 | -62.00 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#0 | 0.15~30 | -53.14 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#0 | 30~1000 | -53.85 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#0 | 1000~3000 | -19.96 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#0 | 3000~20000 | -32.97 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#0 | 0.009~0.15 | -58.92 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#0 | 0.15~30 | -54.22 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#0 | 30~1000 | -53.85 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#0 | 1000~3000 | -26.13 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#0 | 3000~20000 | -33.07 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#0 | 0.009~0.15 | -58.95 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#0 | 0.15~30 | -53.49 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#0 | 30~1000 | -53.76 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#0 | 1000~3000 | -24.69 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#0 | 3000~20000 | -33.23 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#0 | 0.009~0.15 | -55.77 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#0 | 0.15~30 | -54.48 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#0 | 30~1000 | -53.78 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#0 | 1000~3000 | -25.19 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#0 | 3000~20000 | -33.43 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#0 | 0.009~0.15 | -59.91 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#0 | 0.15~30 | -52.81 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#0 | 30~1000 | -53.89 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#0 | 1000~3000 | -22.00 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#0 | 3000~20000 | -33.59 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#0 | 0.009~0.15 | -57.99 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#0 | 0.15~30 | -52.66 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#0 | 30~1000 | -53.88 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#0 | 1000~3000 | -22.37 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#0 | 3000~20000 | -32.52 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#0 | 0.009~0.15 | -56.42 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#0 | 0.15~30 | -52.96 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#0 | 30~1000 | -53.82 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#0 | 1000~3000 | -26.42 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#0 | 3000~20000 | -33.10 | PASS |



Shenzhen LCS Compliance Testing Laboratory Ltd.
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
 Scan code to check authenticity



| | | | | | | | |
|-------|------|-------|-------|-------|------------|--------|------|
| Band4 | 3MHz | 16QAM | 19965 | 1RB#0 | 0.009~0.15 | -60.15 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#0 | 0.15~30 | -55.19 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#0 | 30~1000 | -53.81 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#0 | 1000~3000 | -26.86 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#0 | 3000~20000 | -33.57 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#0 | 0.009~0.15 | -58.79 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#0 | 0.15~30 | -53.79 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#0 | 30~1000 | -53.91 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#0 | 1000~3000 | -27.74 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#0 | 3000~20000 | -33.37 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#0 | 0.009~0.15 | -57.64 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#0 | 0.15~30 | -52.29 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#0 | 30~1000 | -53.91 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#0 | 1000~3000 | -28.86 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#0 | 3000~20000 | -33.71 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#0 | 0.009~0.15 | -59.15 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#0 | 0.15~30 | -52.91 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#0 | 30~1000 | -53.89 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#0 | 1000~3000 | -25.36 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#0 | 3000~20000 | -33.18 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#0 | 0.009~0.15 | -58.44 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#0 | 0.15~30 | -54.37 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#0 | 30~1000 | -53.91 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#0 | 1000~3000 | -27.17 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#0 | 3000~20000 | -33.31 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#0 | 0.009~0.15 | -54.73 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#0 | 0.15~30 | -52.97 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#0 | 30~1000 | -53.89 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#0 | 1000~3000 | -36.24 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#0 | 3000~20000 | -33.06 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0 | 0.009~0.15 | -60.54 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0 | 0.15~30 | -54.99 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0 | 30~1000 | -53.89 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0 | 1000~3000 | -36.40 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0 | 3000~20000 | -32.93 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#0 | 0.009~0.15 | -58.97 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#0 | 0.15~30 | -54.30 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#0 | 30~1000 | -53.90 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#0 | 1000~3000 | -38.37 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#0 | 3000~20000 | -32.76 | PASS |





| | | | | | | | |
|-------|-------|-------|-------|-------|------------|--------|------|
| Band4 | 5MHz | 16QAM | 20175 | 1RB#0 | 0.009~0.15 | -60.64 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#0 | 0.15~30 | -52.79 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#0 | 30~1000 | -53.83 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#0 | 1000~3000 | -34.01 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#0 | 3000~20000 | -33.30 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#0 | 0.009~0.15 | -56.82 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#0 | 0.15~30 | -52.31 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#0 | 30~1000 | -53.90 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#0 | 1000~3000 | -37.62 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#0 | 3000~20000 | -33.02 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#0 | 0.009~0.15 | -57.25 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#0 | 0.15~30 | -53.54 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#0 | 30~1000 | -53.83 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#0 | 1000~3000 | -37.39 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#0 | 3000~20000 | -33.37 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#0 | 0.009~0.15 | -57.06 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#0 | 0.15~30 | -51.16 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#0 | 30~1000 | -53.82 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#0 | 1000~3000 | -48.07 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#0 | 3000~20000 | -33.35 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | 0.009~0.15 | -57.53 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | 0.15~30 | -52.50 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | 30~1000 | -53.69 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | 1000~3000 | -48.15 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | 3000~20000 | -33.15 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#0 | 0.009~0.15 | -59.03 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#0 | 0.15~30 | -51.98 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#0 | 30~1000 | -53.88 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#0 | 1000~3000 | -48.11 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#0 | 3000~20000 | -33.45 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | 0.009~0.15 | -56.76 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | 0.15~30 | -53.34 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | 30~1000 | -53.82 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | 1000~3000 | -47.90 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | 3000~20000 | -33.62 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#0 | 0.009~0.15 | -57.30 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#0 | 0.15~30 | -54.23 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#0 | 30~1000 | -53.93 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#0 | 1000~3000 | -47.59 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#0 | 3000~20000 | -32.87 | PASS |





| | | | | | | | |
|-------|-------|-------|-------|-------|------------|--------|------|
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | 0.009~0.15 | -56.20 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | 0.15~30 | -53.06 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | 30~1000 | -53.87 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | 1000~3000 | -48.00 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | 3000~20000 | -33.03 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#0 | 0.009~0.15 | -58.47 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#0 | 0.15~30 | -51.60 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#0 | 30~1000 | -53.77 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#0 | 1000~3000 | -47.47 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#0 | 3000~20000 | -33.24 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | 0.009~0.15 | -58.71 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | 0.15~30 | -52.80 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | 30~1000 | -53.89 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | 1000~3000 | -47.82 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | 3000~20000 | -33.11 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#0 | 0.009~0.15 | -56.96 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#0 | 0.15~30 | -54.74 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#0 | 30~1000 | -53.88 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#0 | 1000~3000 | -46.94 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#0 | 3000~20000 | -33.24 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | 0.009~0.15 | -57.75 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | 0.15~30 | -52.03 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | 30~1000 | -53.91 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | 1000~3000 | -47.19 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | 3000~20000 | -33.13 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#0 | 0.009~0.15 | -60.32 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#0 | 0.15~30 | -53.41 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#0 | 30~1000 | -53.84 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#0 | 1000~3000 | -48.01 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#0 | 3000~20000 | -33.05 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | 0.009~0.15 | -61.99 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | 0.15~30 | -51.83 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | 30~1000 | -53.94 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | 1000~3000 | -47.71 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | 3000~20000 | -32.97 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#0 | 0.009~0.15 | -59.72 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#0 | 0.15~30 | -53.69 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#0 | 30~1000 | -53.78 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#0 | 1000~3000 | -41.42 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#0 | 3000~20000 | -32.92 | PASS |



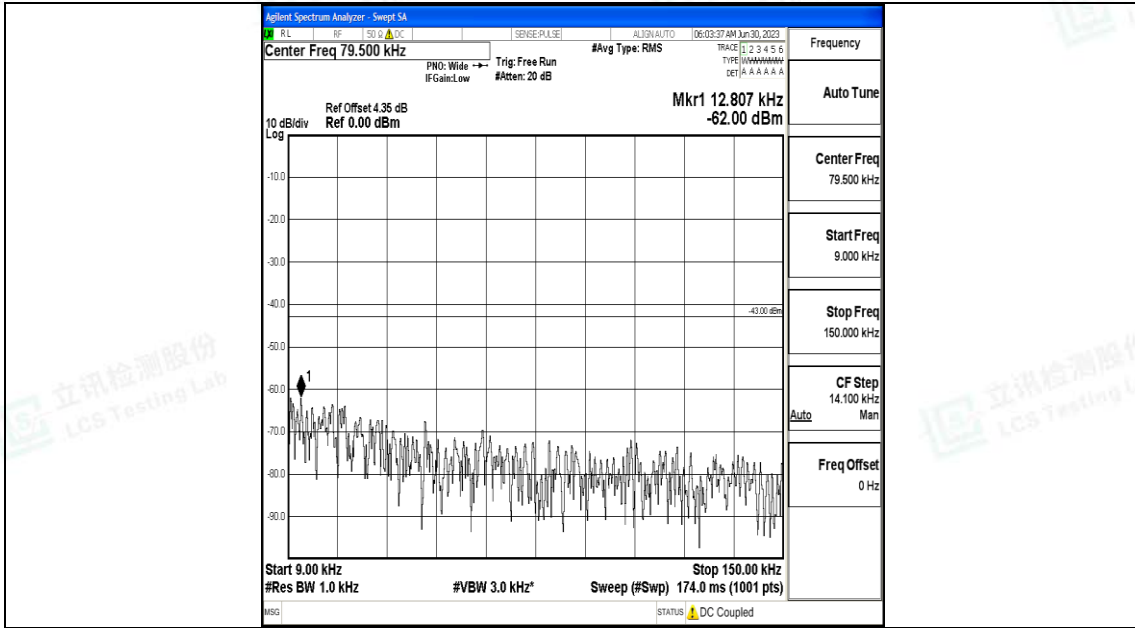


| | | | | | | | |
|-------|-------|-------|-------|-------|------------|--------|------|
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | 0.009~0.15 | -59.14 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | 0.15~30 | -52.66 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | 30~1000 | -53.75 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | 1000~3000 | -41.83 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | 3000~20000 | -33.36 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#0 | 0.009~0.15 | -59.16 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#0 | 0.15~30 | -53.67 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#0 | 30~1000 | -53.84 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#0 | 1000~3000 | -47.90 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#0 | 3000~20000 | -33.42 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | 0.009~0.15 | -56.84 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | 0.15~30 | -54.40 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | 30~1000 | -53.89 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | 1000~3000 | -48.11 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | 3000~20000 | -33.18 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#0 | 0.009~0.15 | -59.95 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#0 | 0.15~30 | -54.45 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#0 | 30~1000 | -53.82 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#0 | 1000~3000 | -47.87 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#0 | 3000~20000 | -33.06 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | 0.009~0.15 | -55.69 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | 0.15~30 | -52.62 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | 30~1000 | -53.75 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | 1000~3000 | -47.58 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | 3000~20000 | -33.46 | PASS |

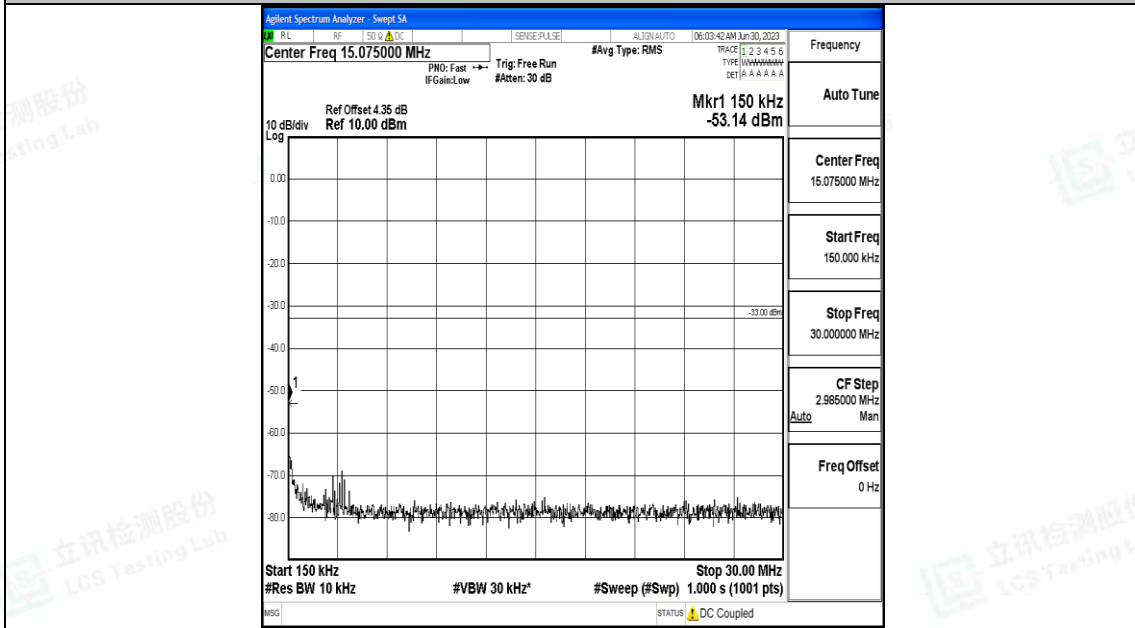




Test Graphs

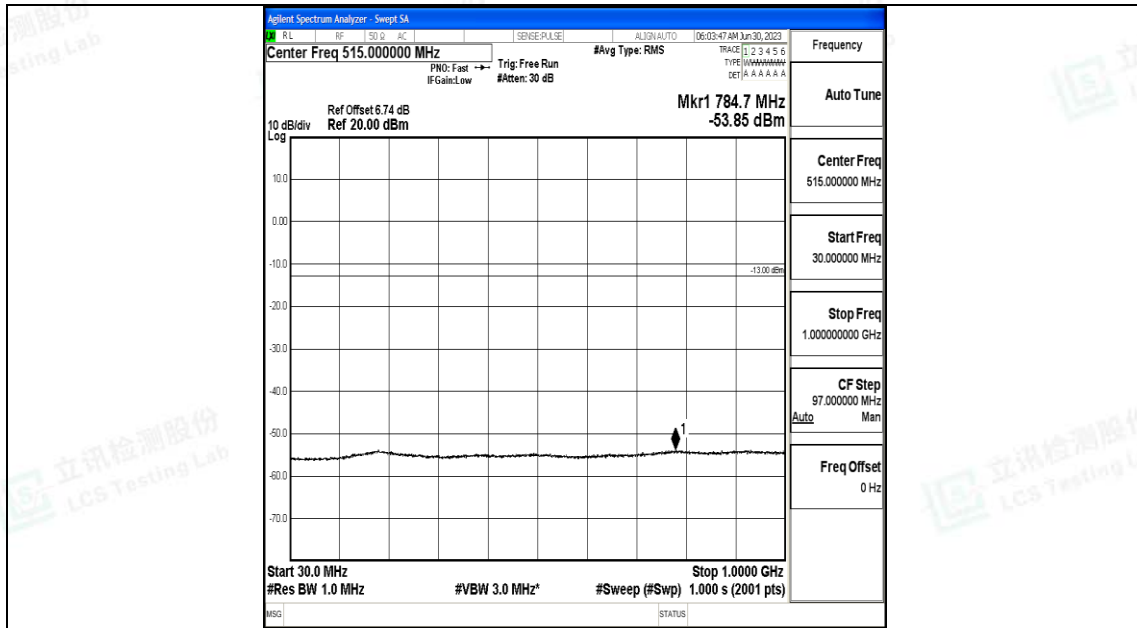


Band4_1.4MHz_QPSK_19957_1RB#0_0.009~0.15_0.009~0.15

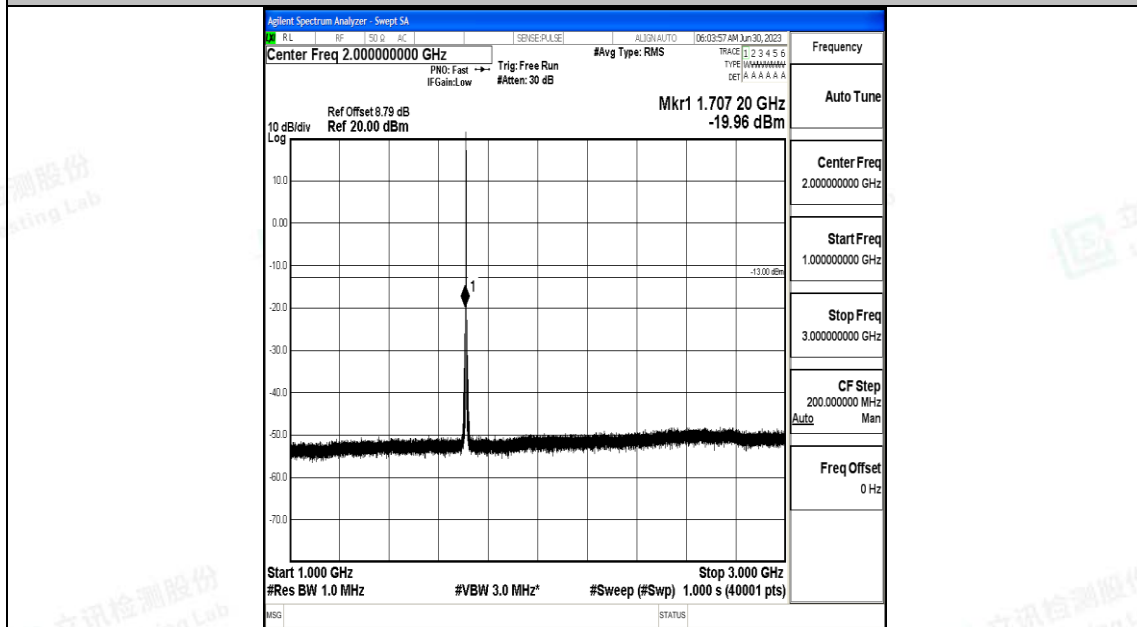


Band4_1.4MHz_QPSK_19957_1RB#0_0.15~30_0.15~30



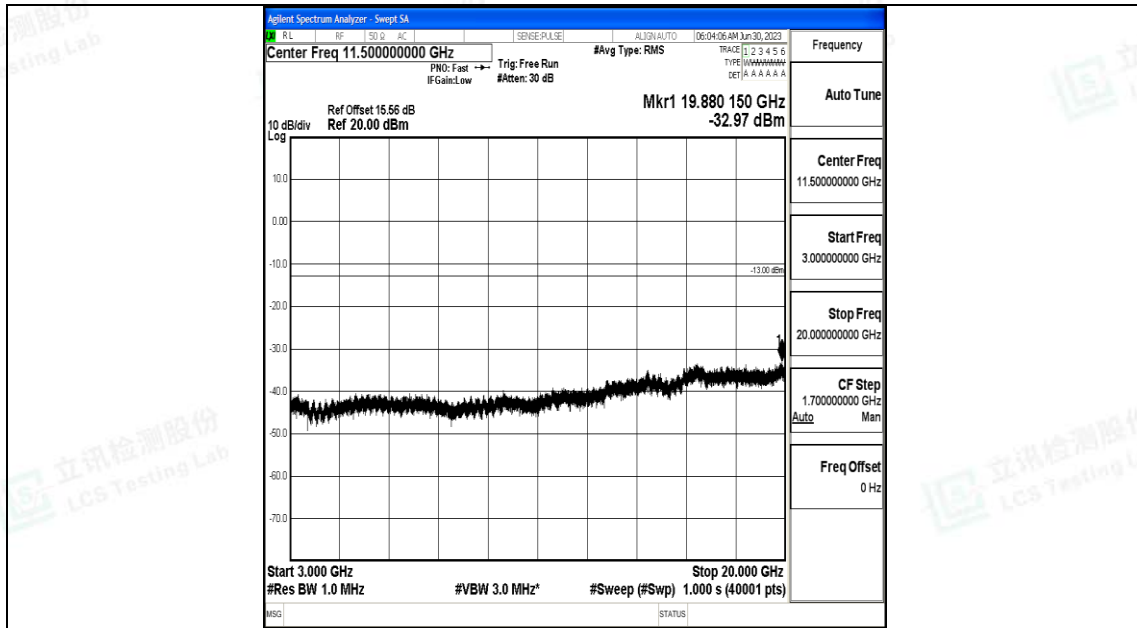


Band4_1.4MHz_QPSK_19957_1RB#0_30~1000_30~1000

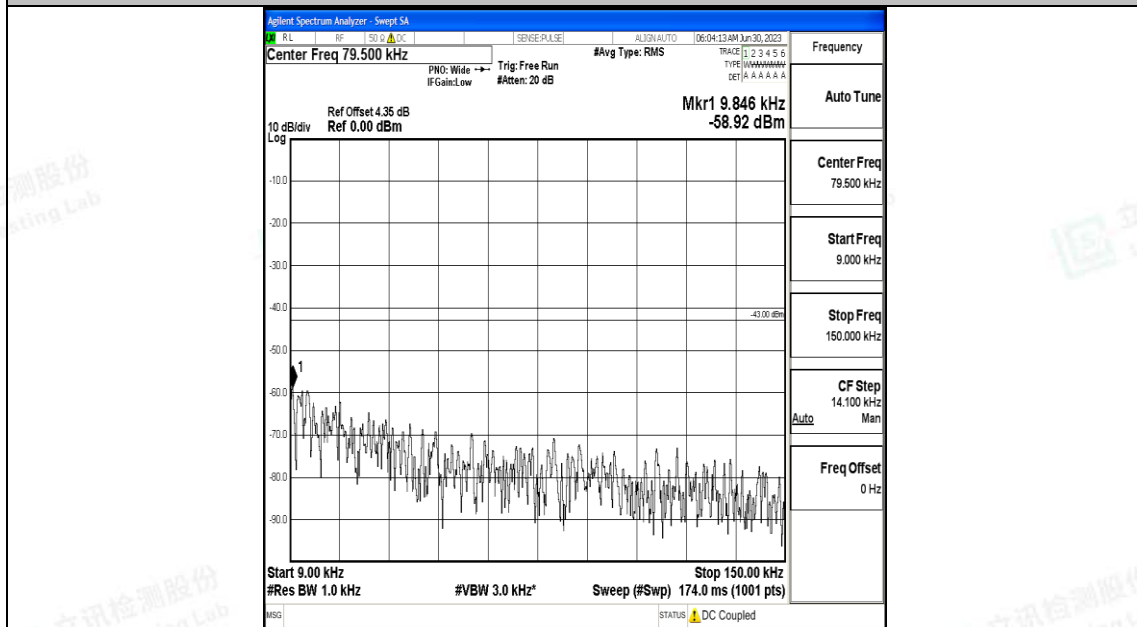


Band4_1.4MHz_QPSK_19957_1RB#0_1000~3000_1000~3000



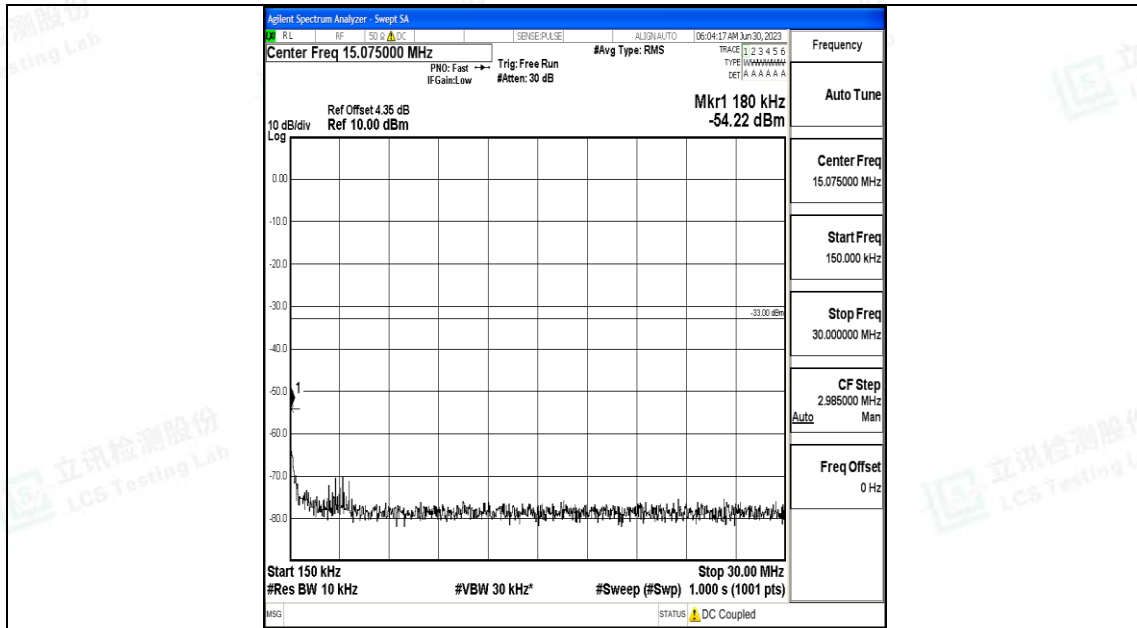


Band4_1.4MHz_QPSK_19957_1RB#0_3000~20000_3000~20000

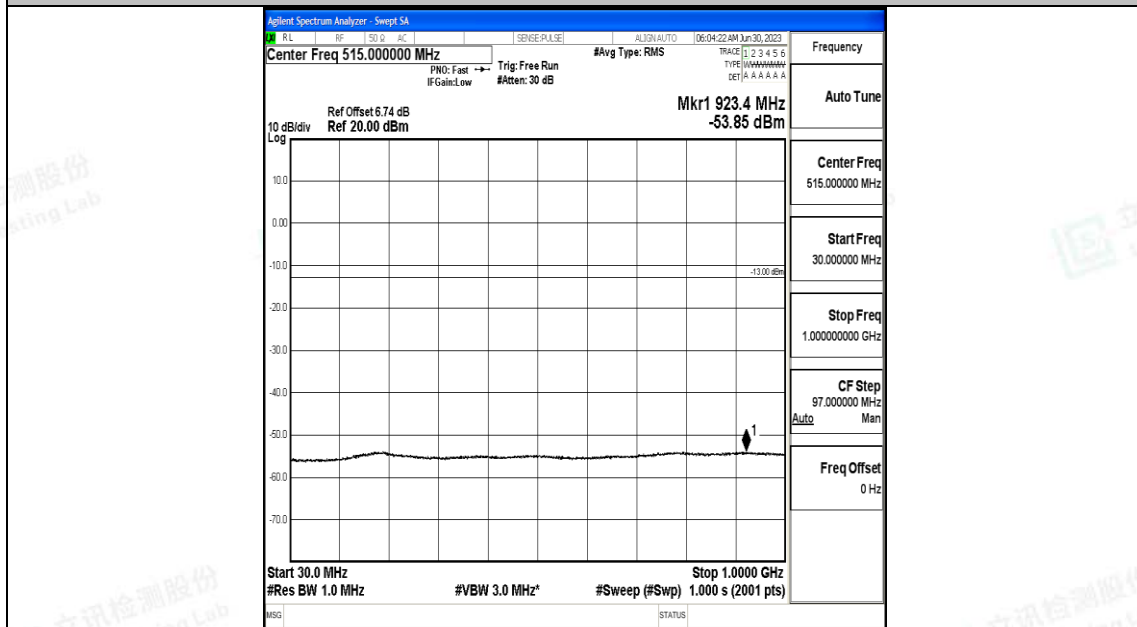


Band4_1.4MHz_16QAM_19957_1RB#0_0.009~0.15_0.009~0.15



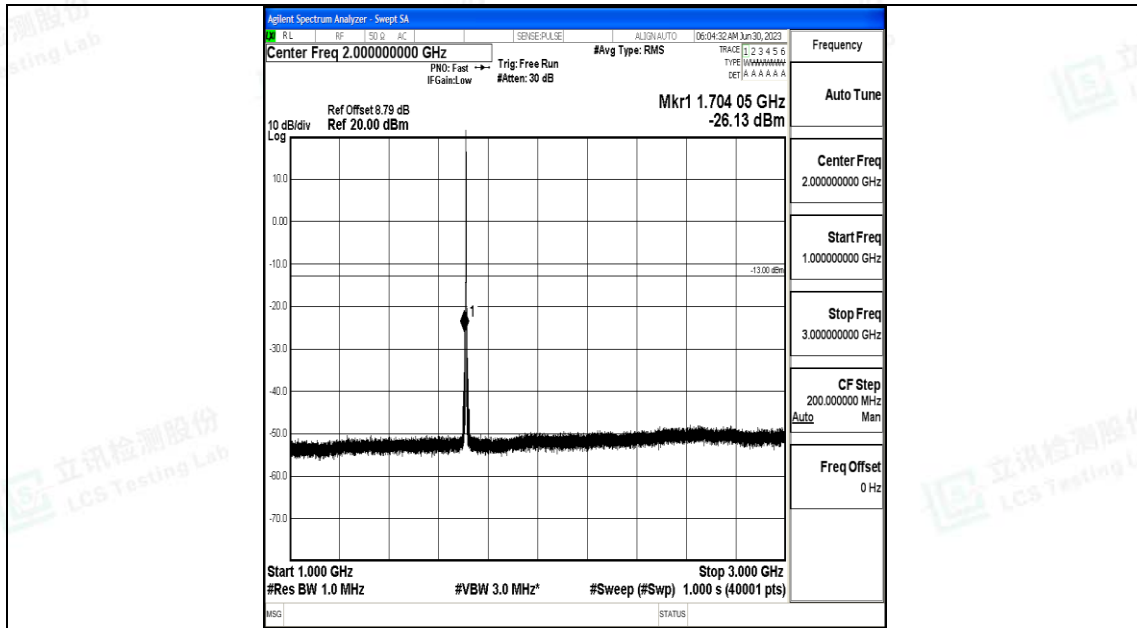


Band4_1.4MHz_16QAM_19957_1RB#0_0.15~30_0.15~30

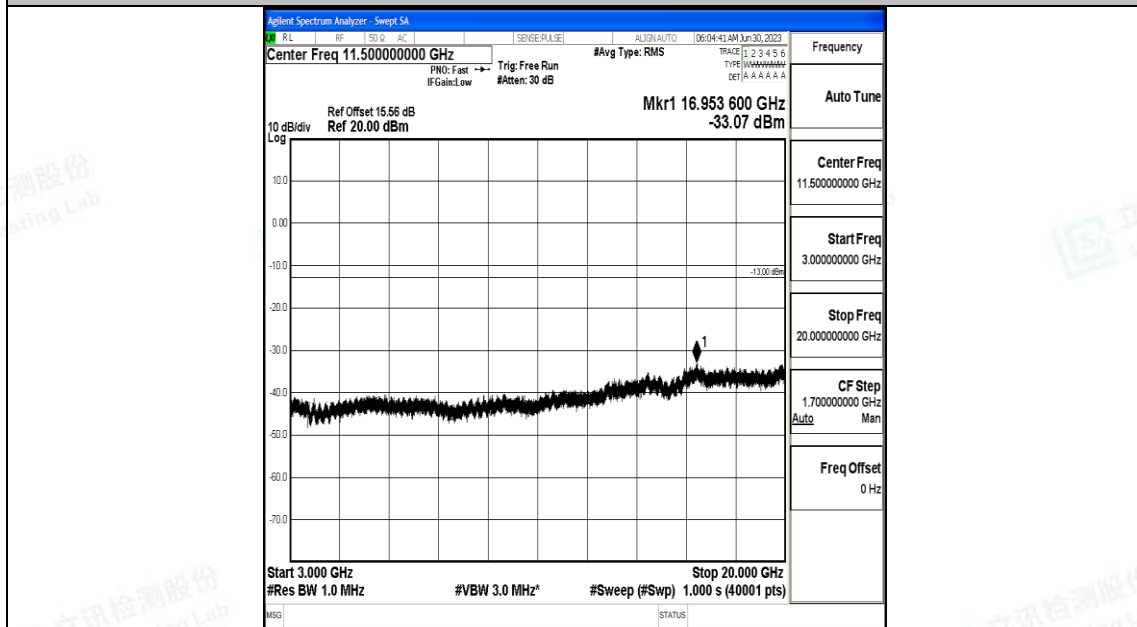


Band4_1.4MHz_16QAM_19957_1RB#0_30~1000_30~1000



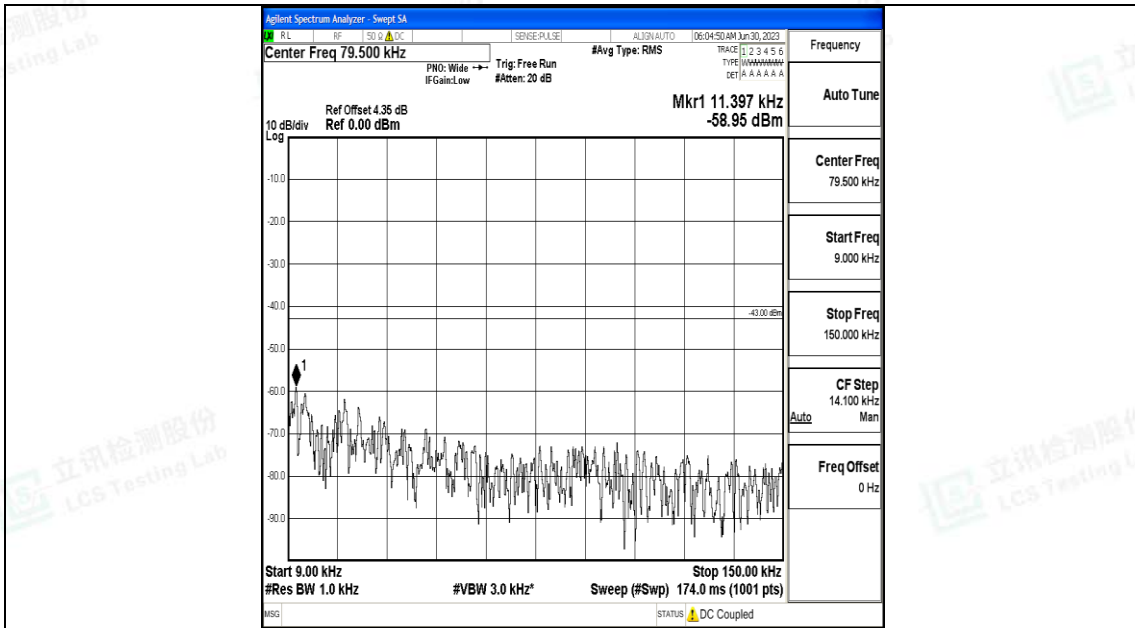


Band4_1.4MHz_16QAM_19957_1RB#0_1000~3000_1000~3000

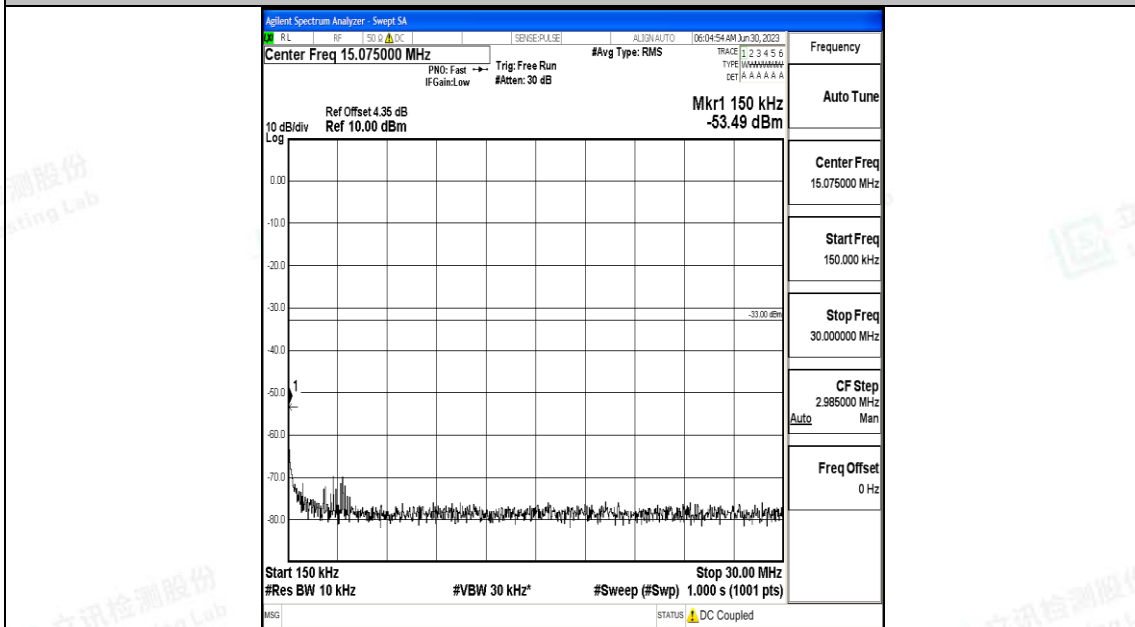


Band4_1.4MHz_16QAM_19957_1RB#0_3000~20000_3000~20000





Band4_1.4MHz_QPSK_20175_1RB#0_0.009~0.15_0.009~0.15



Band4_1.4MHz_QPSK_20175_1RB#0_0.15~30_0.15~30

