

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

**Product Name:** TRACK+

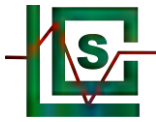
**Test Model:** X950LS

### Environmental Conditions

|                    |            |
|--------------------|------------|
| Temperature:       | 23.9°C     |
| Relative Humidity: | 53.8%      |
| ATM Pressure:      | 100.0 kPa  |
| Test Engineer:     | Can Kun    |
| Supervised by:     | Paddi Chen |



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Scan code to check authenticity



## E.1 Conducted Output Power Data

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 23.40       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 22.15       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#2            | 23.33       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#2            | 22.07       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#5            | 23.60       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#5            | 22.45       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#0            | 23.36       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 3RB#0            | 22.44       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#1            | 23.36       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 3RB#1            | 22.43       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#3            | 23.30       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 3RB#3            | 22.54       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | 22.44       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | 21.76       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 23.12       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 22.39       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#2            | 23.12       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#2            | 22.56       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#5            | 22.93       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#5            | 22.67       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#0            | 23.22       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 3RB#0            | 22.15       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#1            | 23.22       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 3RB#1            | 22.15       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#3            | 23.24       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 3RB#3            | 22.15       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 6RB#0            | 22.33       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 6RB#0            | 21.62       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 22.81       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 22.47       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#2            | 22.92       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#2            | 22.46       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#5            | 22.90       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#5            | 22.63       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 3RB#0            | 22.87       | PASS    |

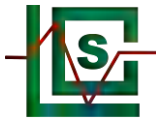


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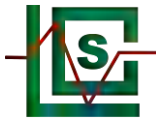
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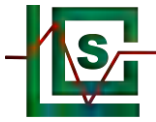
|        |        |       |       |        |       |      |
|--------|--------|-------|-------|--------|-------|------|
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#0  | 22.03 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 3RB#1  | 23.04 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#1  | 22.03 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 3RB#3  | 22.98 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#3  | 21.95 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 6RB#0  | 22.06 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0  | 21.44 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#0  | 23.00 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 1RB#0  | 22.07 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#8  | 22.93 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 1RB#8  | 22.09 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#14 | 22.98 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 1RB#14 | 22.03 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#0  | 22.30 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 8RB#0  | 21.59 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#4  | 22.31 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 8RB#4  | 21.60 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#7  | 22.12 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 8RB#7  | 21.55 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 15RB#0 | 22.13 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 15RB#0 | 21.42 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#0  | 22.91 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 1RB#0  | 21.82 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#8  | 22.92 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 1RB#8  | 21.82 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#14 | 23.13 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 1RB#14 | 22.08 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#0  | 22.03 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 8RB#0  | 21.36 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#4  | 22.01 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 8RB#4  | 21.37 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#7  | 22.02 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 8RB#7  | 21.45 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 15RB#0 | 22.08 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 15RB#0 | 21.04 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#0  | 22.76 | PASS |
| Band12 | 3MHz   | 16QAM | 23165 | 1RB#0  | 22.45 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#8  | 22.88 | PASS |
| Band12 | 3MHz   | 16QAM | 23165 | 1RB#8  | 22.31 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#14 | 22.77 | PASS |





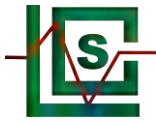
|        |      |       |       |         |       |      |
|--------|------|-------|-------|---------|-------|------|
| Band12 | 3MHz | 16QAM | 23165 | 1RB#14  | 22.35 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 8RB#0   | 21.97 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#0   | 21.14 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 8RB#4   | 21.97 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#4   | 21.15 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 8RB#7   | 21.99 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#7   | 21.32 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 15RB#0  | 21.99 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0  | 21.29 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0   | 23.02 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0   | 21.72 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#12  | 22.97 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#12  | 21.61 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#24  | 23.05 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#24  | 21.51 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#0  | 22.20 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#0  | 21.29 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#6  | 22.20 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#6  | 21.26 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#13 | 21.99 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#13 | 21.22 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 25RB#0  | 22.15 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 25RB#0  | 21.39 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0   | 22.57 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0   | 22.33 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#12  | 22.72 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#12  | 22.24 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#24  | 22.91 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#24  | 21.80 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#0  | 21.99 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#0  | 21.12 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#6  | 22.00 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#6  | 21.10 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#13 | 22.00 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#13 | 21.17 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 25RB#0  | 22.17 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 25RB#0  | 21.22 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#0   | 22.71 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#0   | 21.72 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#12  | 22.61 | PASS |





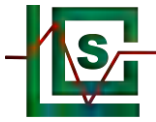
|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#12  | 21.63 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 1RB#24  | 23.02 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#24  | 21.76 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 12RB#0  | 21.93 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#0  | 21.01 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 12RB#6  | 21.93 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#6  | 21.02 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 12RB#13 | 21.88 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#13 | 21.91 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 25RB#0  | 21.86 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 25RB#0  | 21.11 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0   | 22.65 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0   | 22.06 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#24  | 22.55 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#24  | 22.00 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#49  | 22.36 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#49  | 21.44 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#0  | 21.75 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#0  | 21.96 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#12 | 21.75 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#12 | 21.96 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#25 | 21.72 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#25 | 21.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 50RB#0  | 21.79 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0  | 21.92 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0   | 22.83 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0   | 21.81 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#24  | 22.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#24  | 21.79 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#49  | 22.63 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#49  | 21.72 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#0  | 21.84 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#0  | 21.00 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#12 | 21.73 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#12 | 21.10 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#25 | 21.69 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#25 | 21.97 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 50RB#0  | 21.75 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0  | 21.87 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0   | 22.49 | PASS |





|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0   | 22.52 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#24  | 22.33 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#24  | 22.39 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#49  | 22.38 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#49  | 21.86 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#0  | 21.59 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#0  | 21.89 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#12 | 21.60 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#12 | 21.89 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#25 | 21.64 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#25 | 21.93 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 50RB#0  | 21.69 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0  | 21.90 | PASS |





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

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 5.31       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 5.78       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 4.79       | 13        | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | 5.60       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 1RB#0            | 5.61       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 15RB#0           | 5.39       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 15RB#0           | 6.16       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 1RB#0            | 4.75       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23095   | 1RB#0            | 5.56       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 15RB#0           | 5.32       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23095   | 15RB#0           | 6.05       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 1RB#0            | 4.52       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 1RB#0            | 5.30       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 15RB#0           | 4.98       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 15RB#0           | 5.72       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 1RB#0            | 5.17       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 1RB#0            | 5.81       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 25RB#0           | 5.65       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 25RB#0           | 6.27       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23095   | 1RB#0            | 4.97       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23095   | 1RB#0            | 5.70       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23095   | 25RB#0           | 5.48       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23095   | 25RB#0           | 6.13       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 1RB#0            | 4.83       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23155   | 1RB#0            | 5.55       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 25RB#0           | 5.35       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23155   | 25RB#0           | 5.97       | 13        | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 1RB#0            | 4.85       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 1RB#0            | 5.52       | 13        | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0           | 5.53       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 50RB#0           | 6.21       | 13        | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 1RB#0            | 5.06       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23095   | 1RB#0            | 5.72       | 13        | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0           | 5.51       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23095   | 50RB#0           | 6.19       | 13        | PASS    |

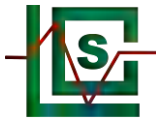


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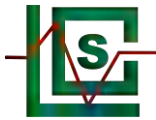
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

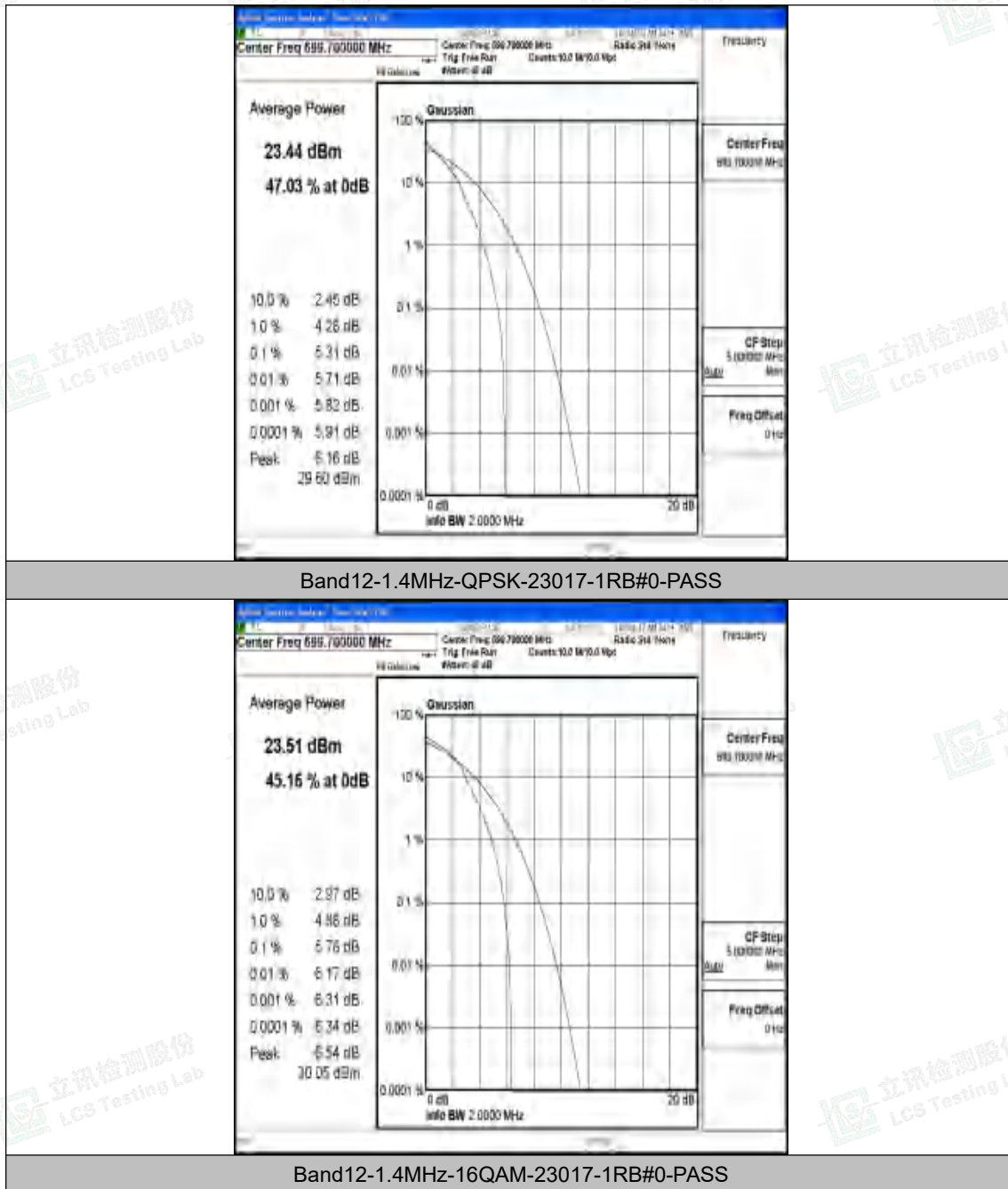


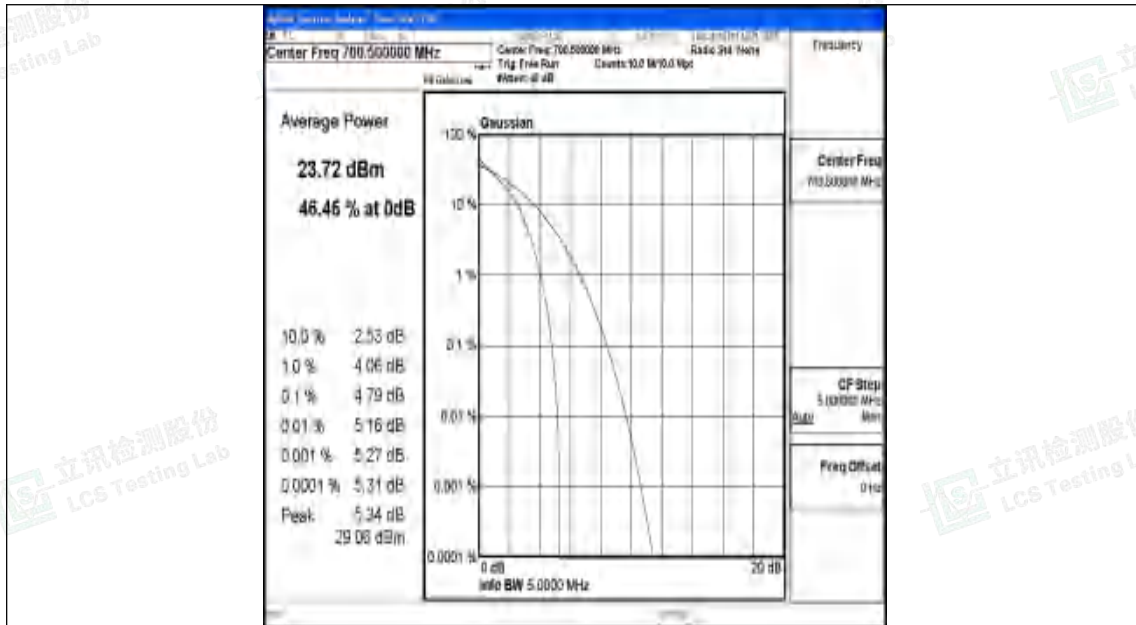
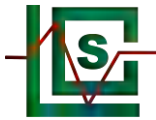
|        |        |       |       |        |      |    |      |
|--------|--------|-------|-------|--------|------|----|------|
| Band12 | 10MHz  | QPSK  | 23130 | 1RB#0  | 4.87 | 13 | PASS |
| Band12 | 10MHz  | 16QAM | 23130 | 1RB#0  | 5.69 | 13 | PASS |
| Band12 | 10MHz  | QPSK  | 23130 | 50RB#0 | 5.43 | 13 | PASS |
| Band12 | 10MHz  | 16QAM | 23130 | 50RB#0 | 6.13 | 13 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 6RB#0  | 6.31 | 13 | PASS |
| Band12 | 1.4MHz | QPSK  | 23095 | 1RB#0  | 4.87 | 13 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#0  | 5.36 | 13 | PASS |
| Band12 | 1.4MHz | QPSK  | 23095 | 6RB#0  | 5.39 | 13 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 6RB#0  | 6.11 | 13 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 1RB#0  | 4.46 | 13 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#0  | 5.12 | 13 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 6RB#0  | 4.99 | 13 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0  | 5.64 | 13 | PASS |



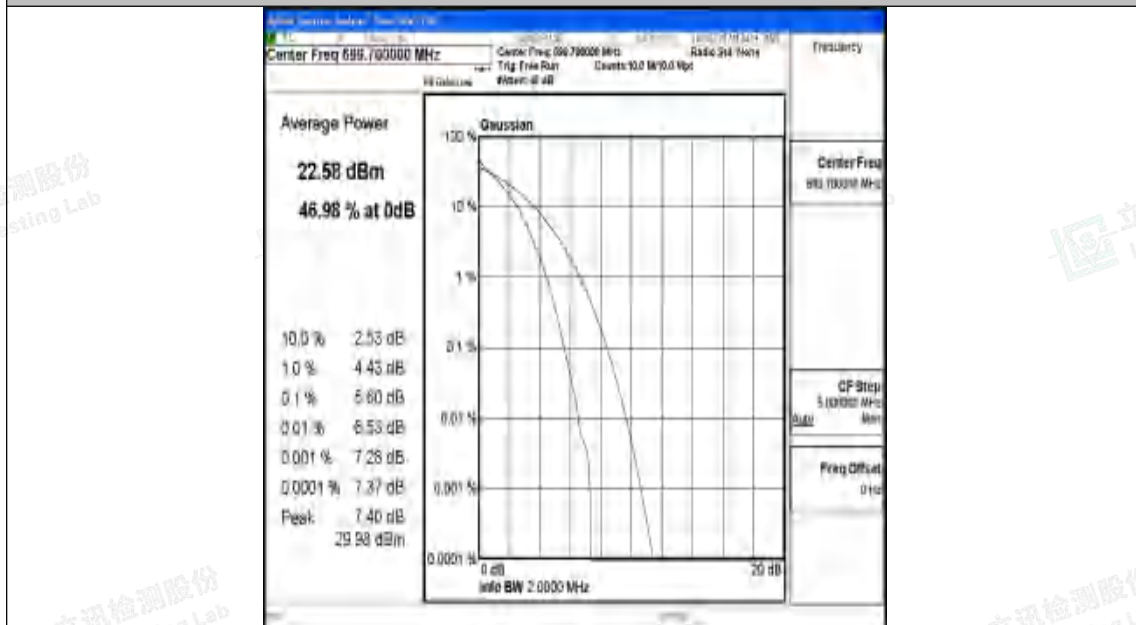


## Test Graphs



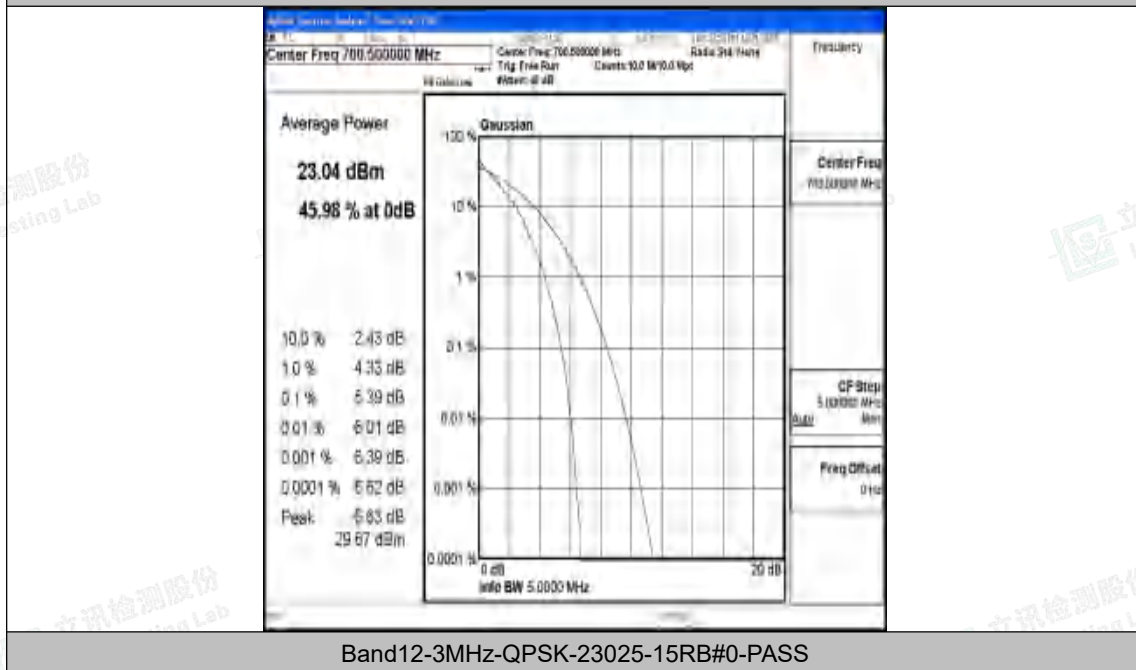
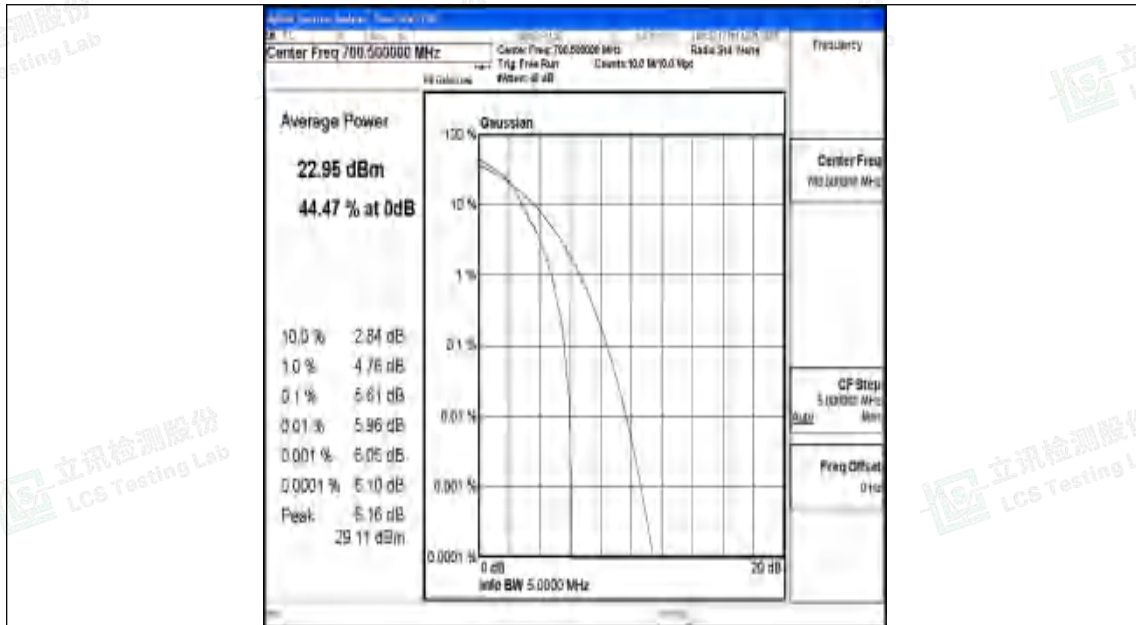
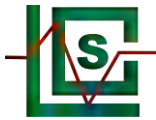


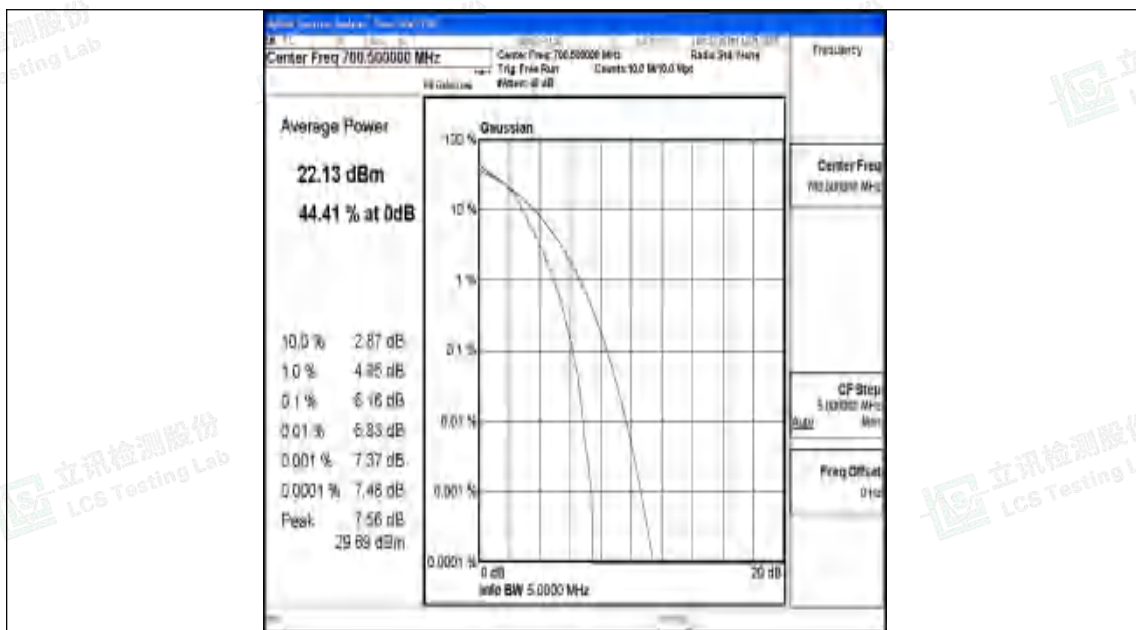
Band12-3MHz-QPSK-23025-1RB#0-PASS



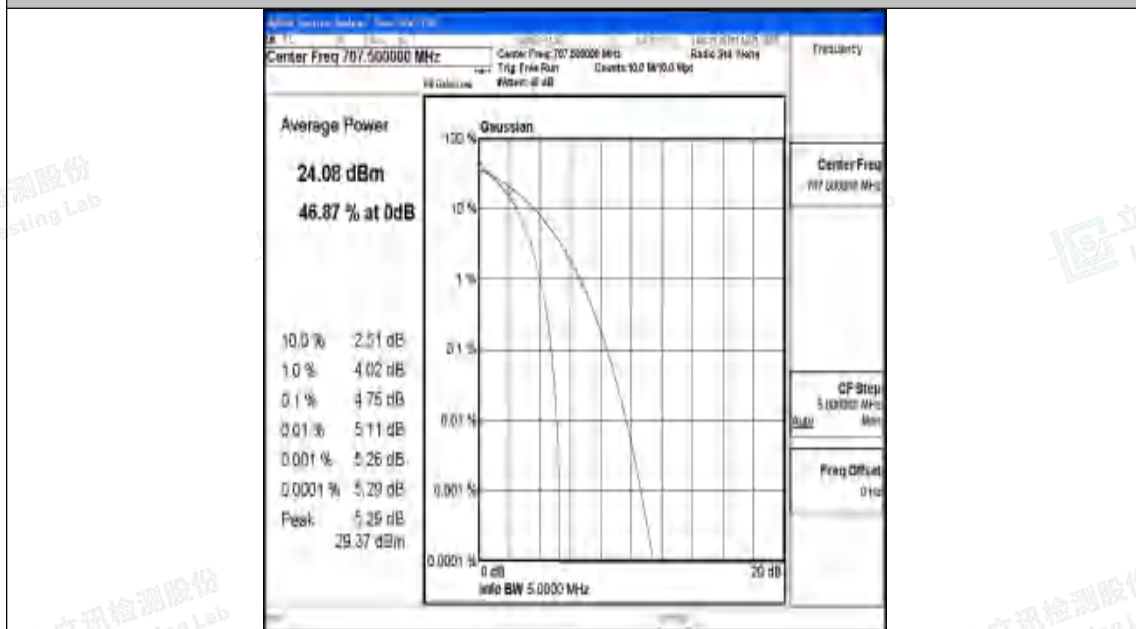
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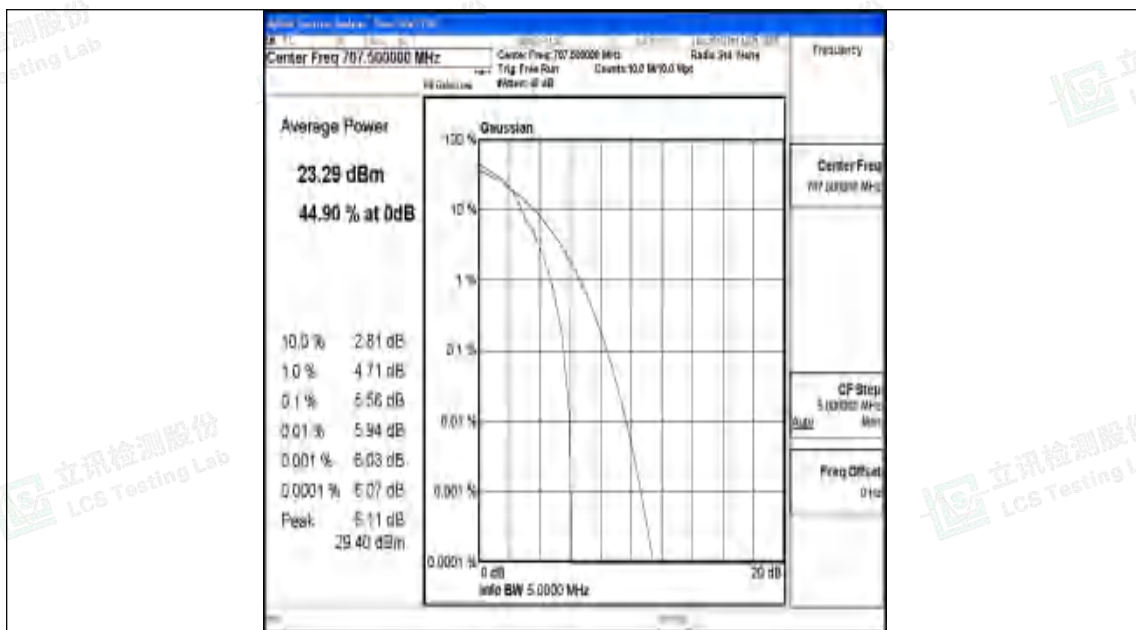


Band12-3MHz-16QAM-23025-15RB#0-PASS

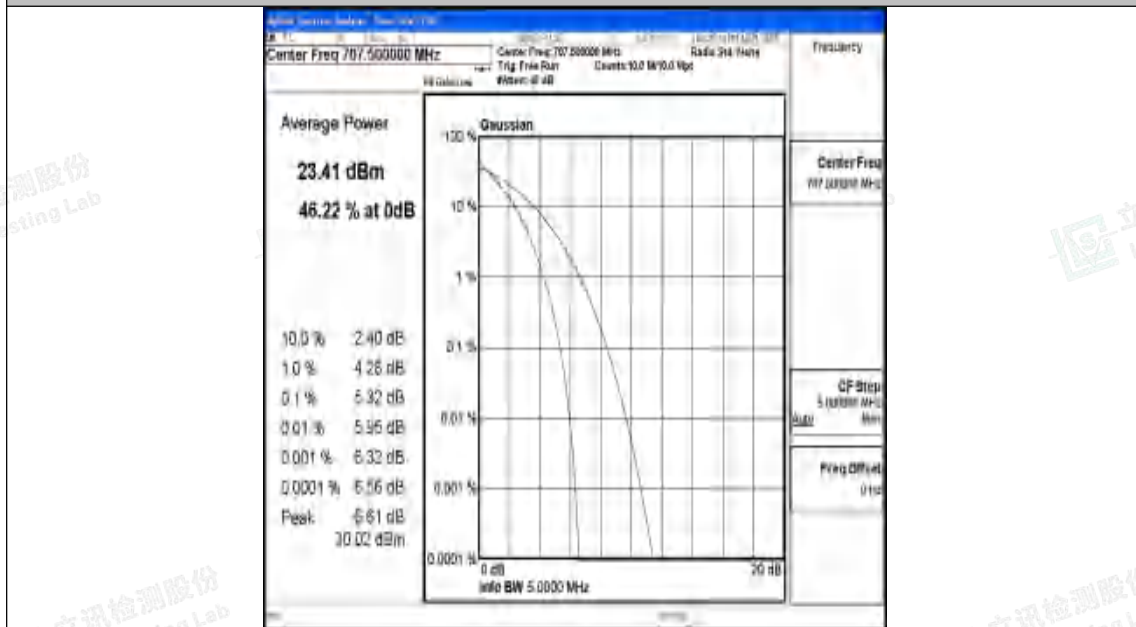


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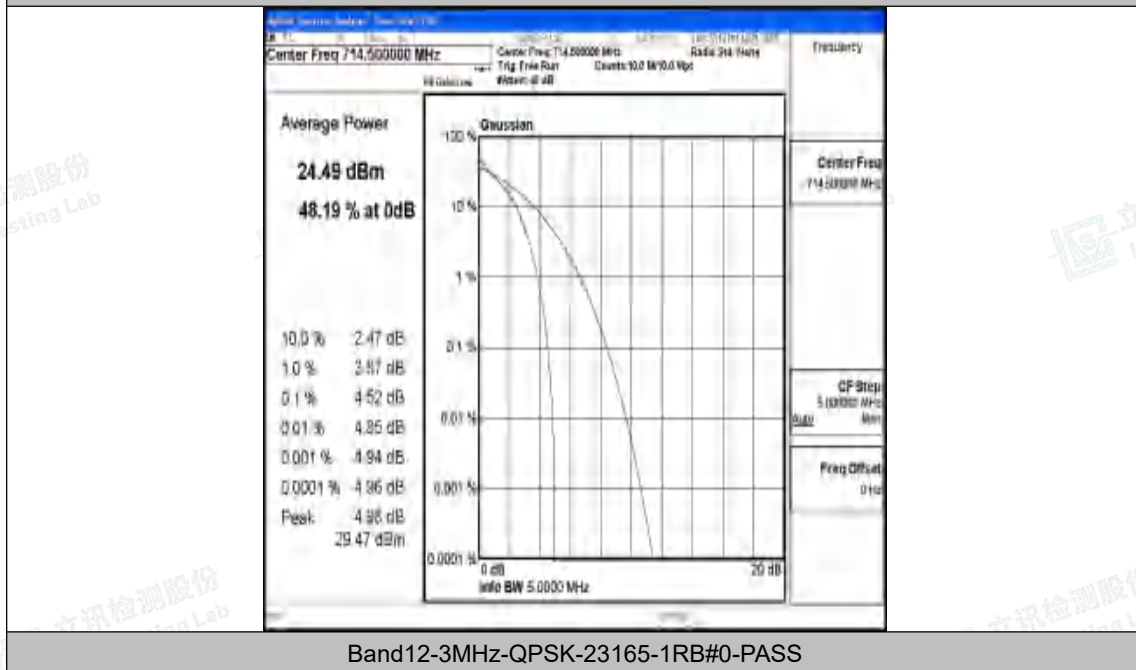
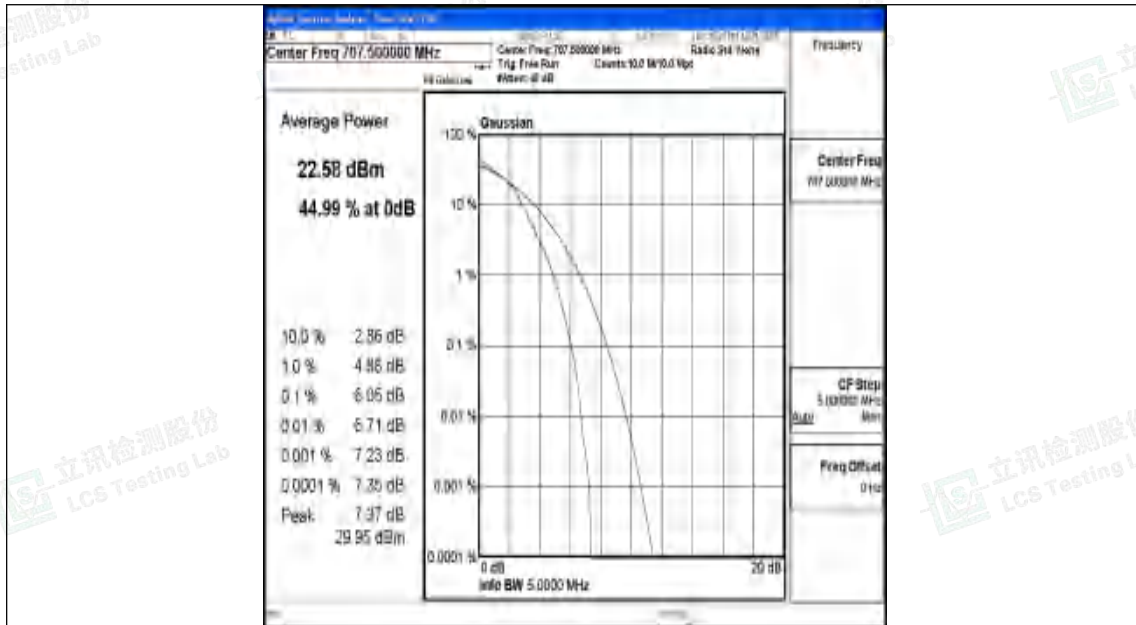
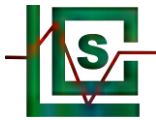


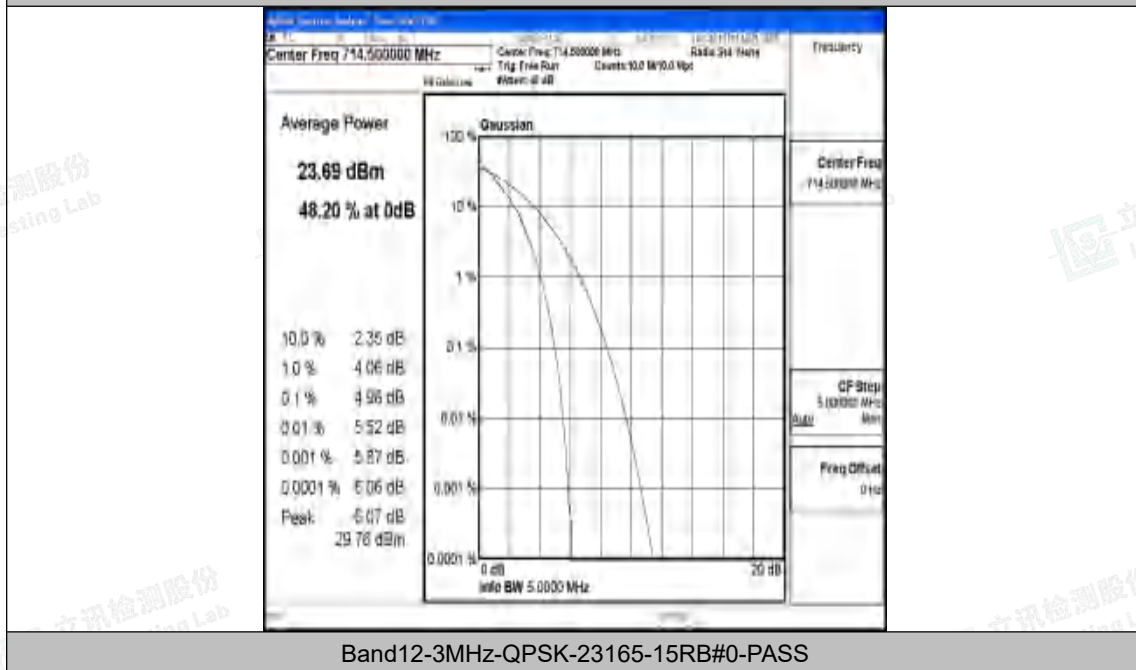
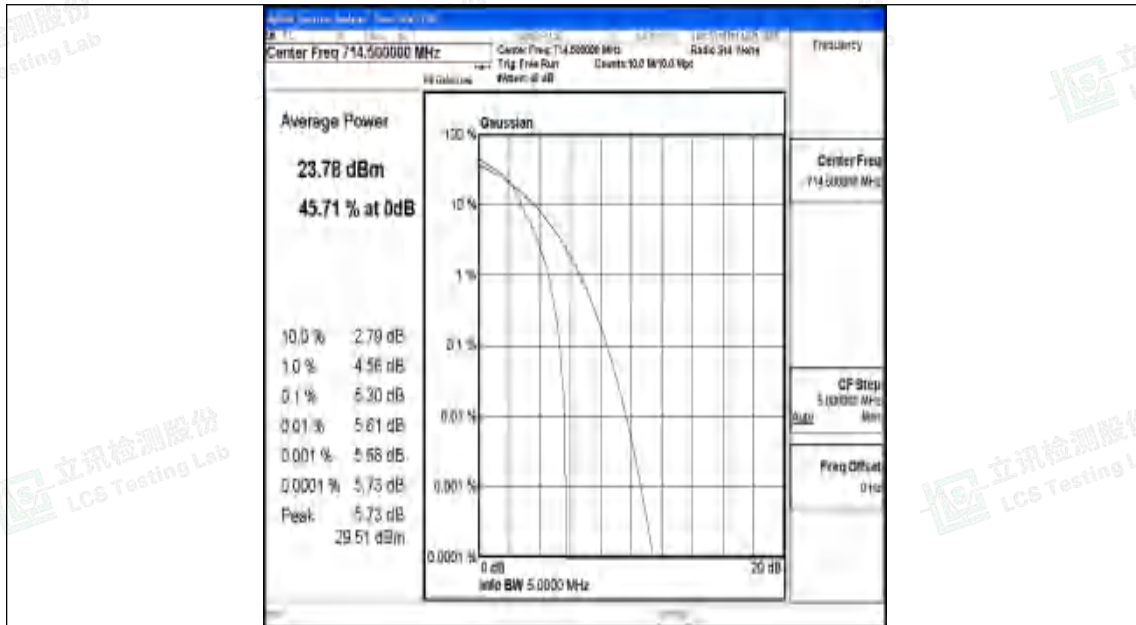
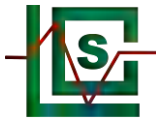
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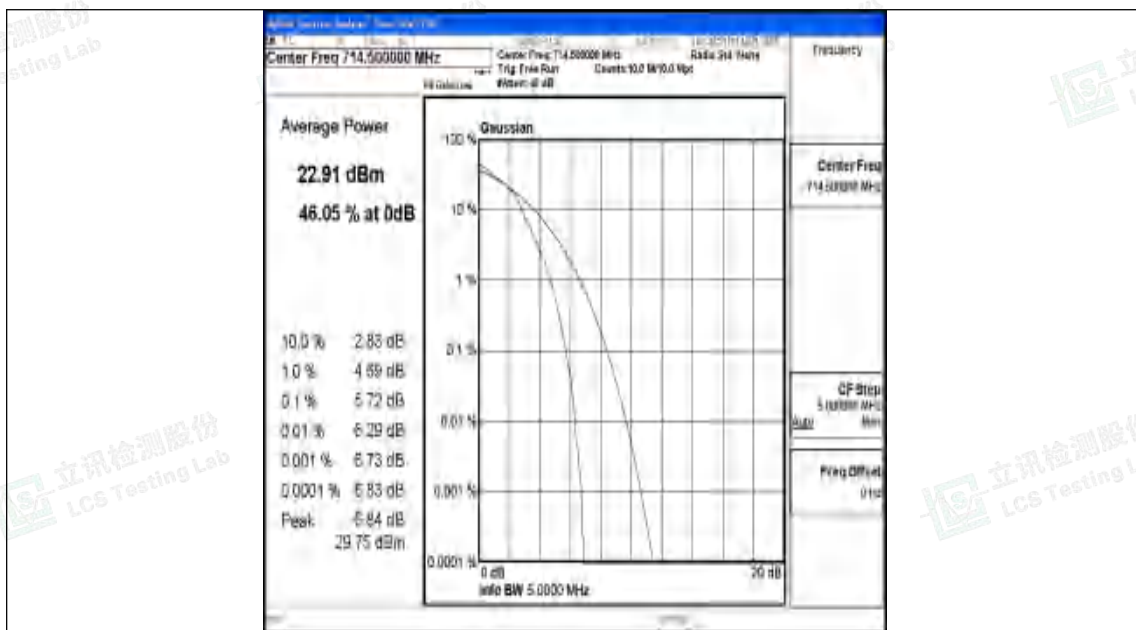


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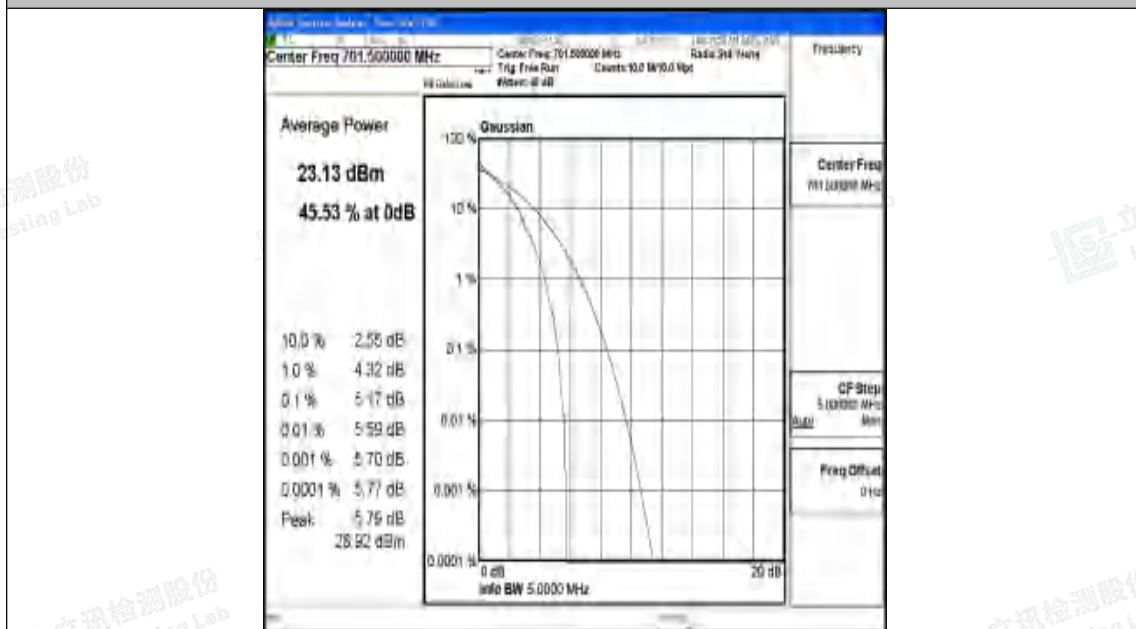






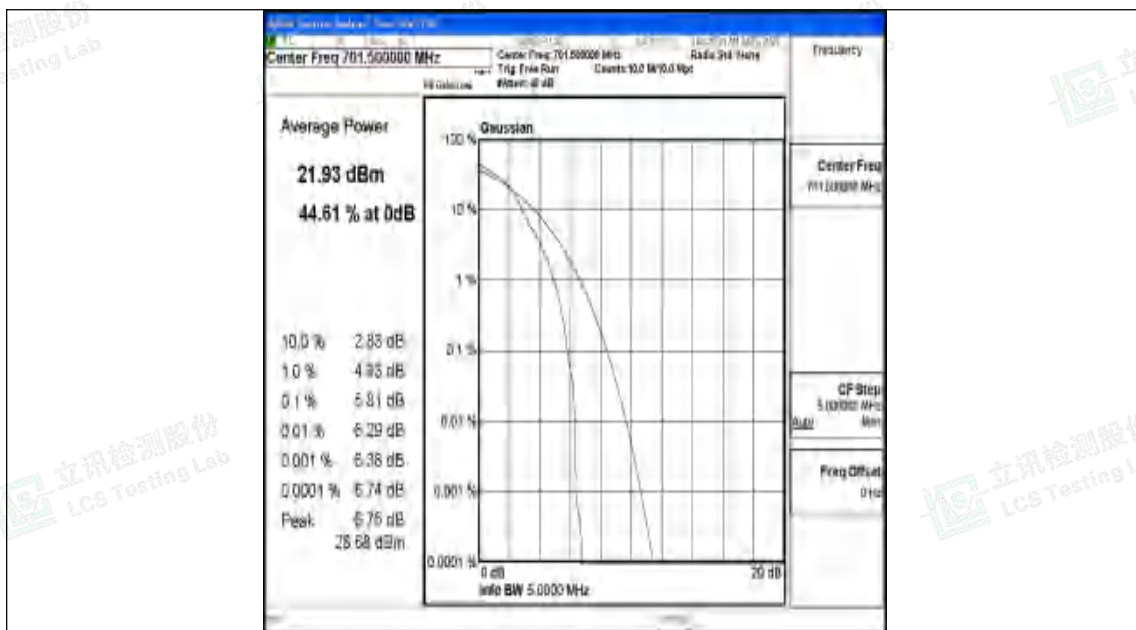


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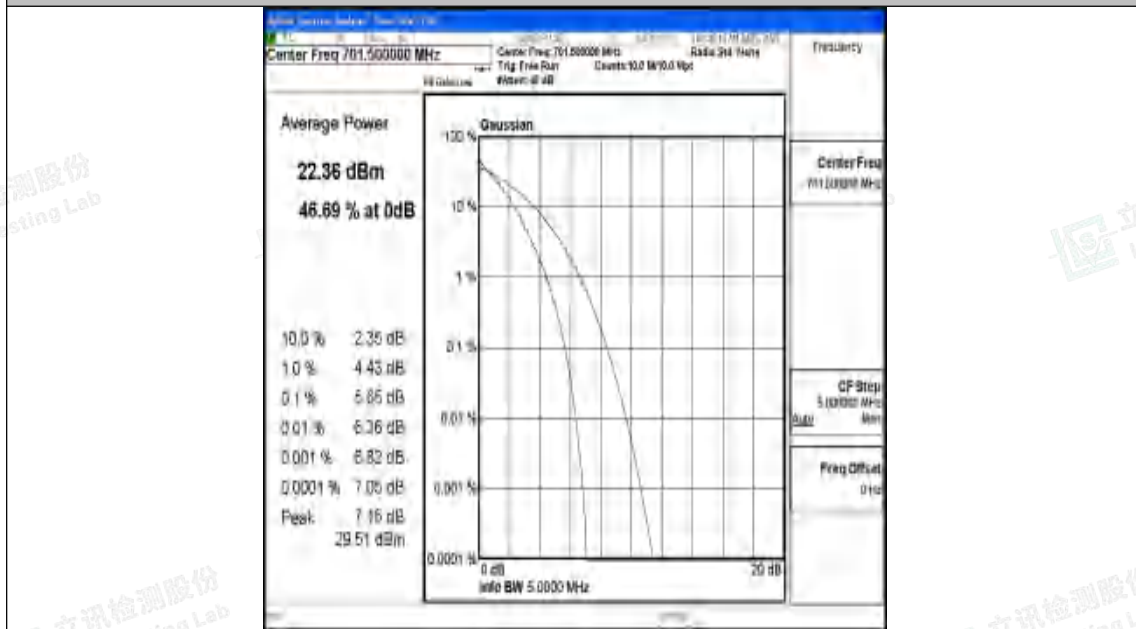


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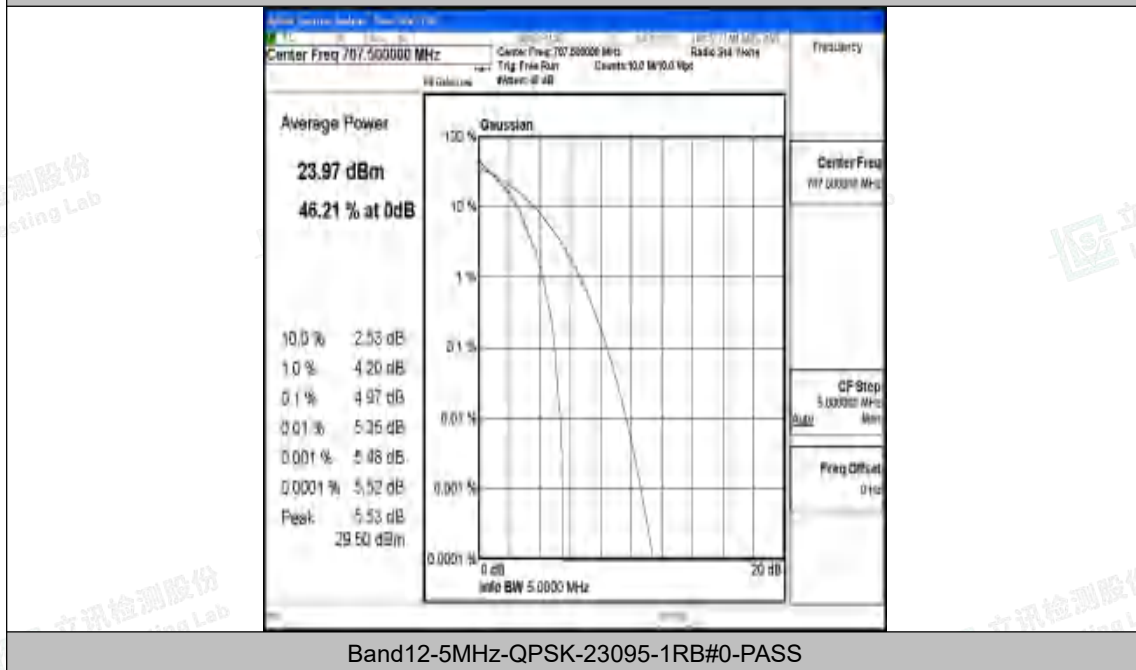
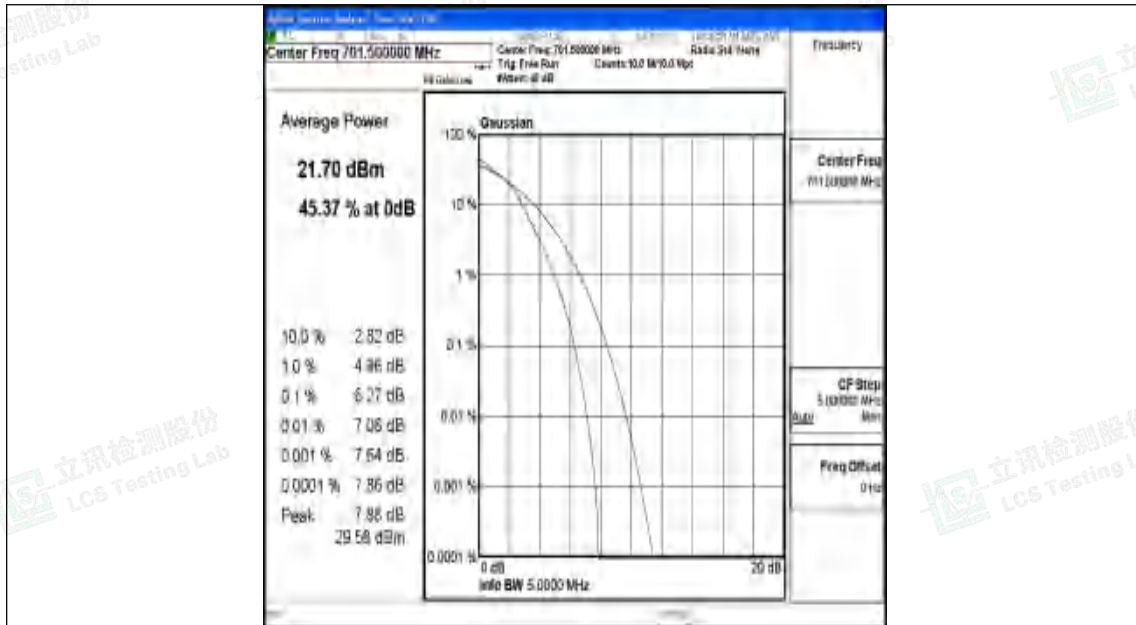
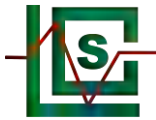


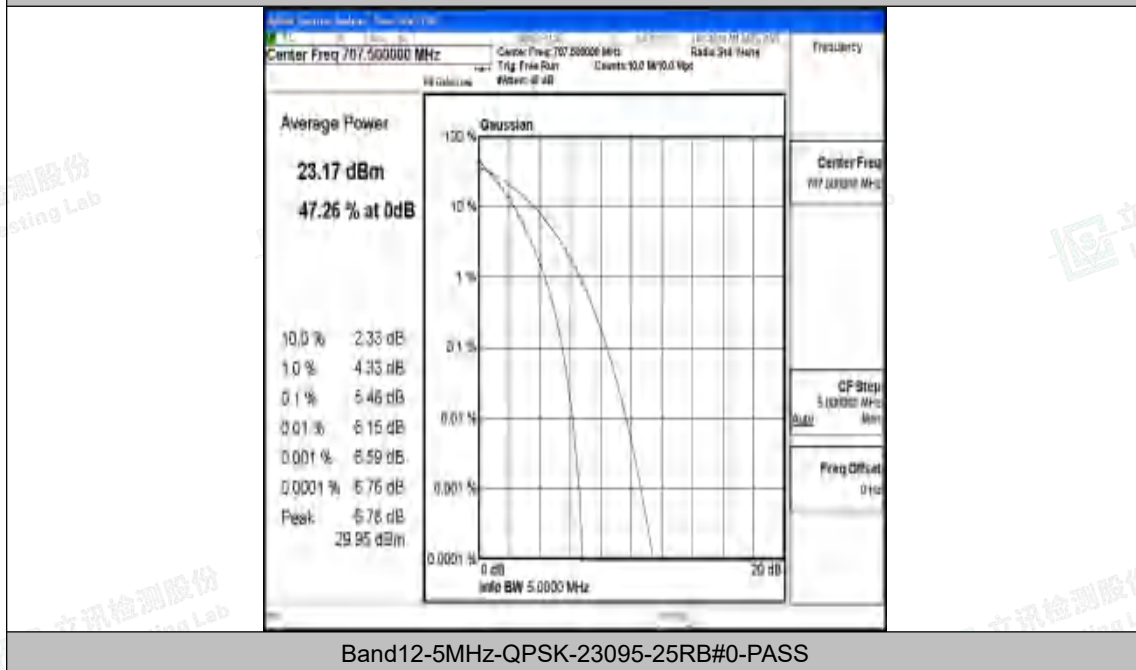
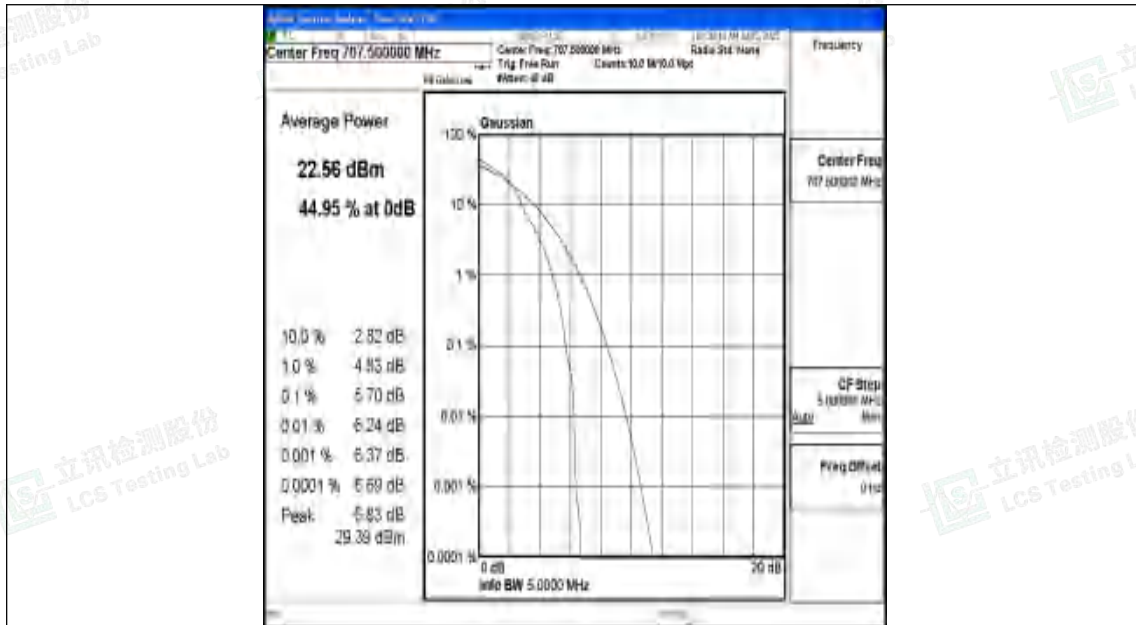
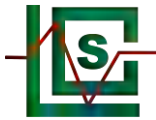
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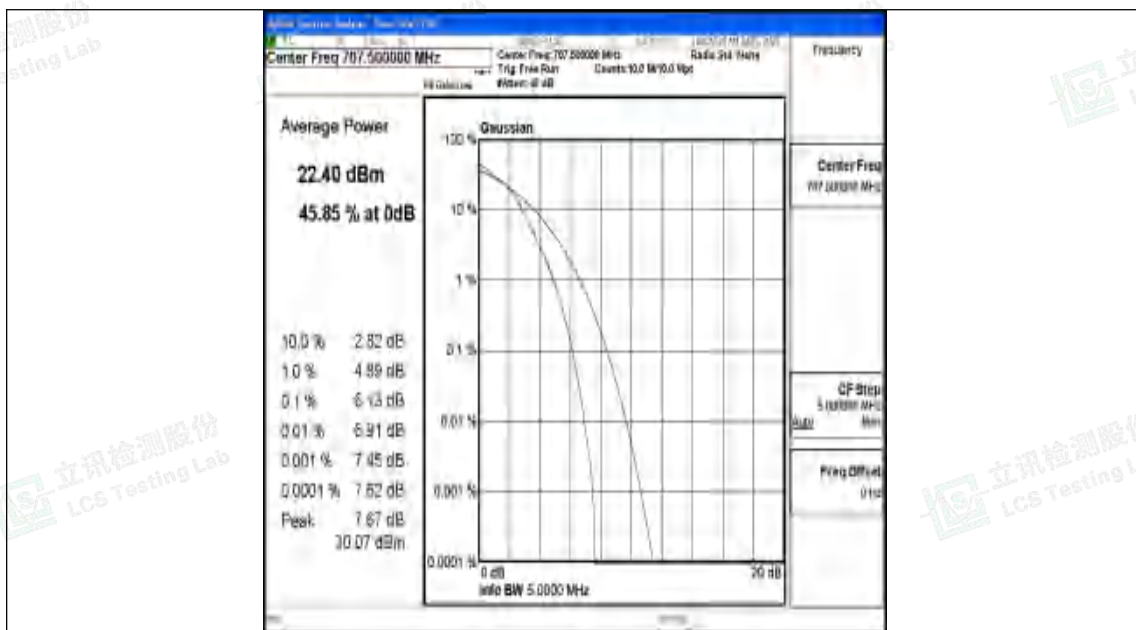


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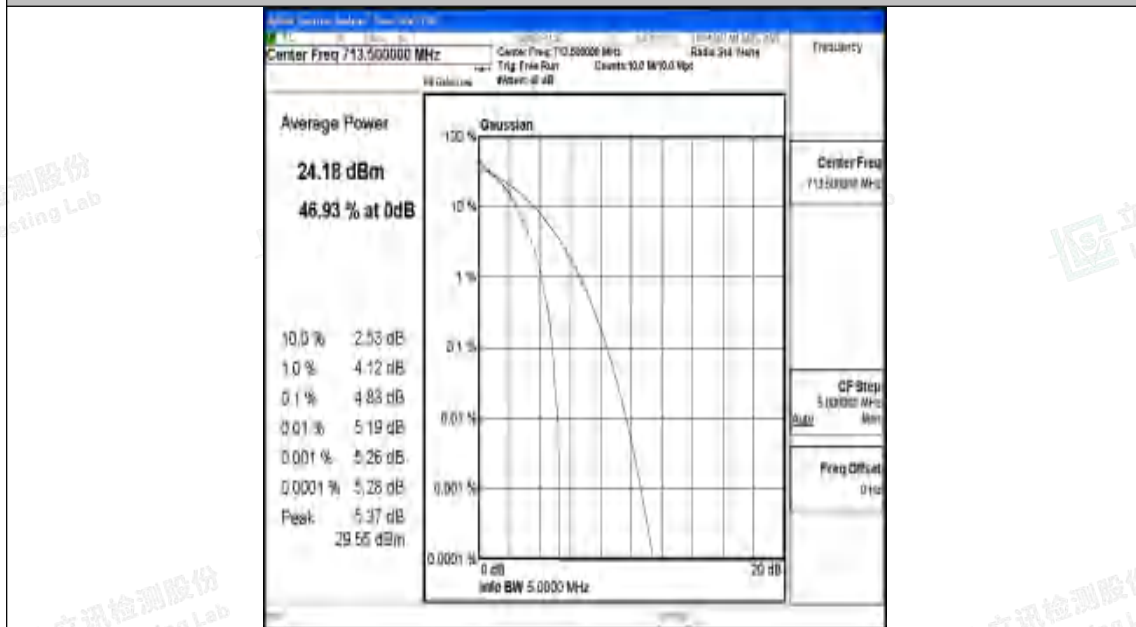






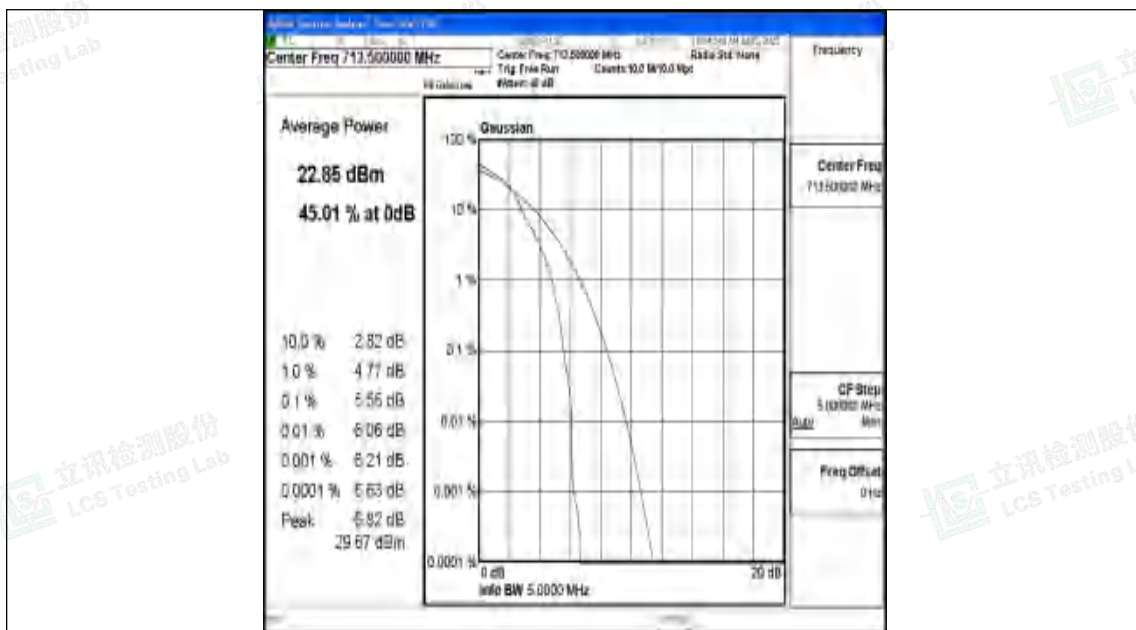


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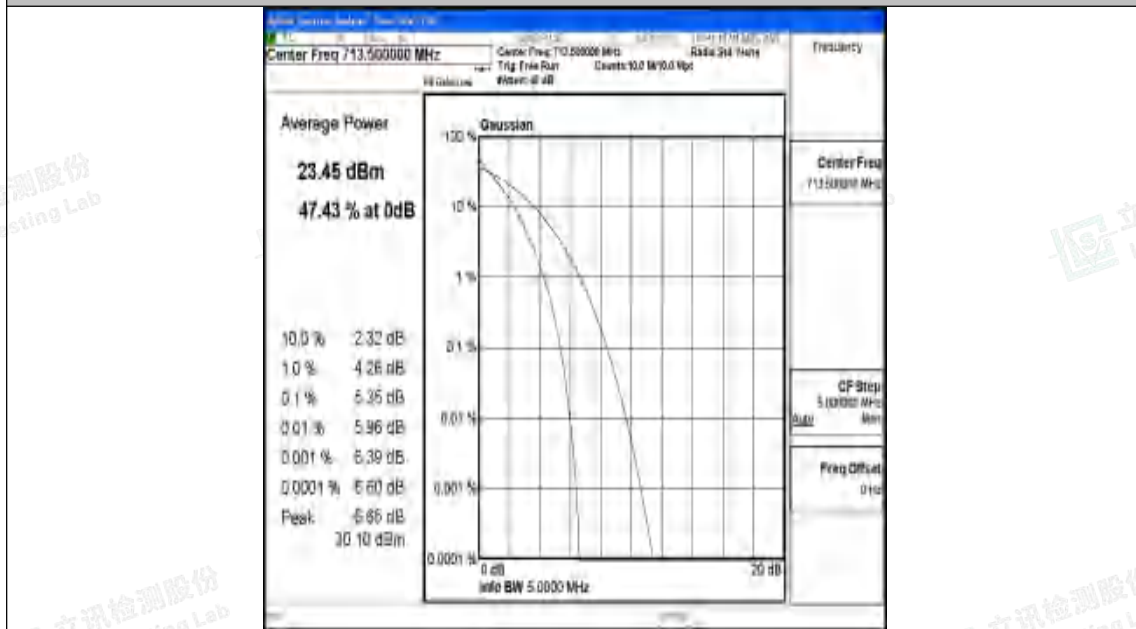


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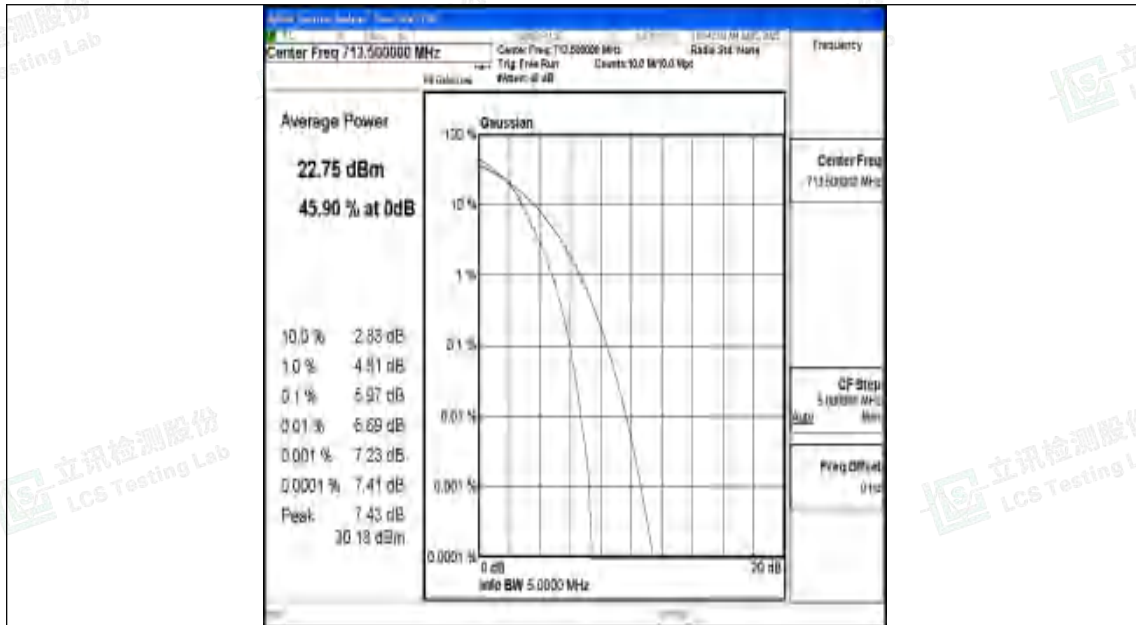
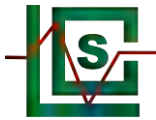


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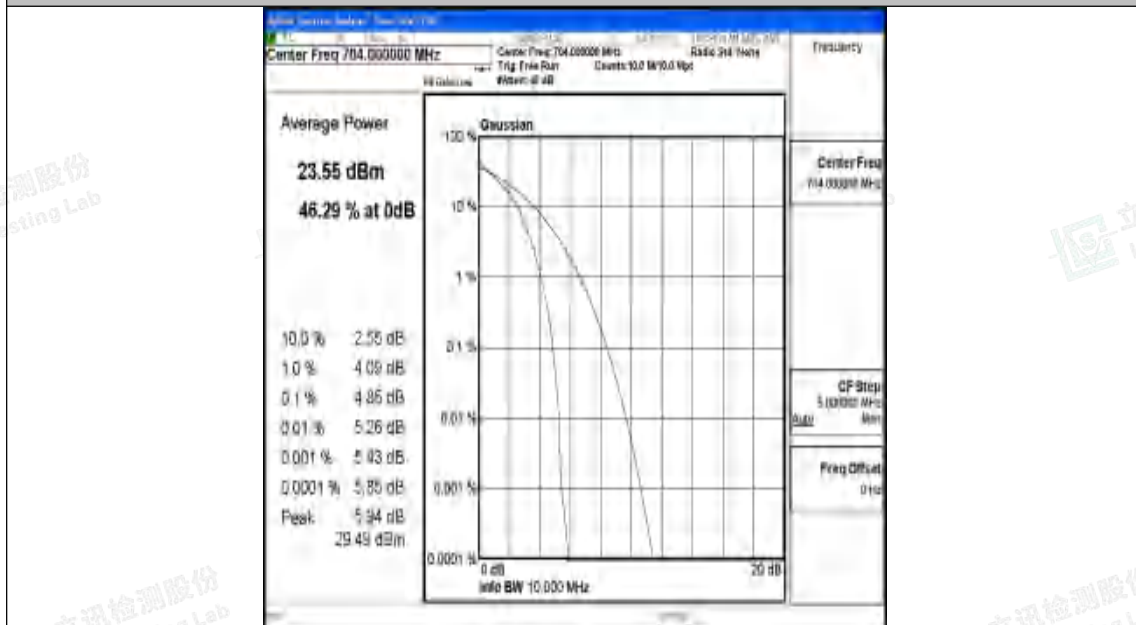


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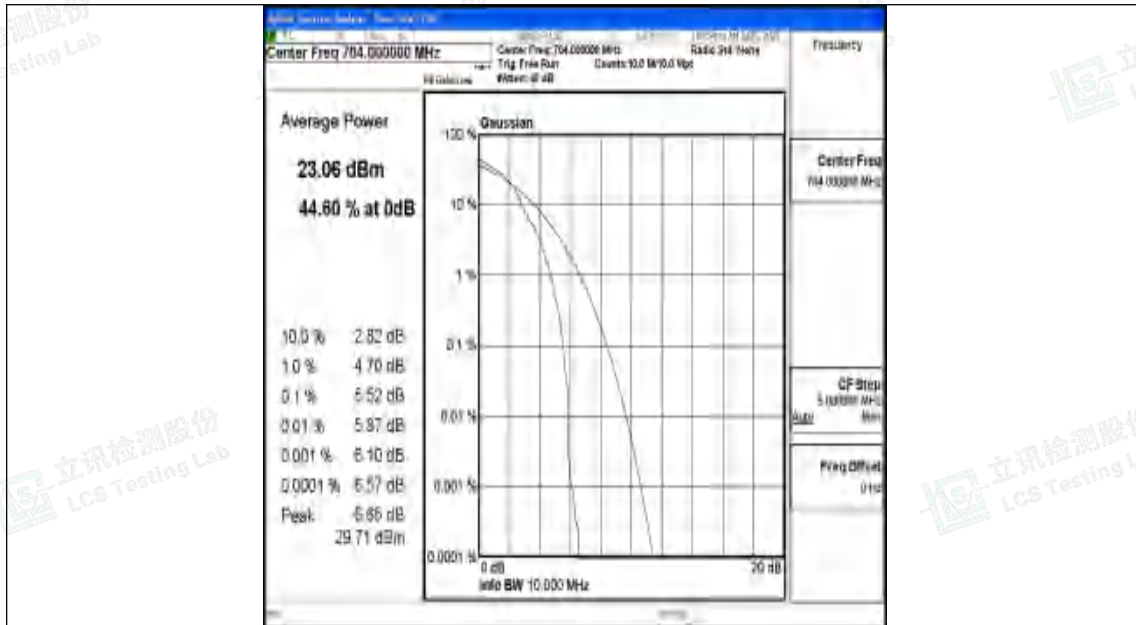
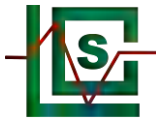


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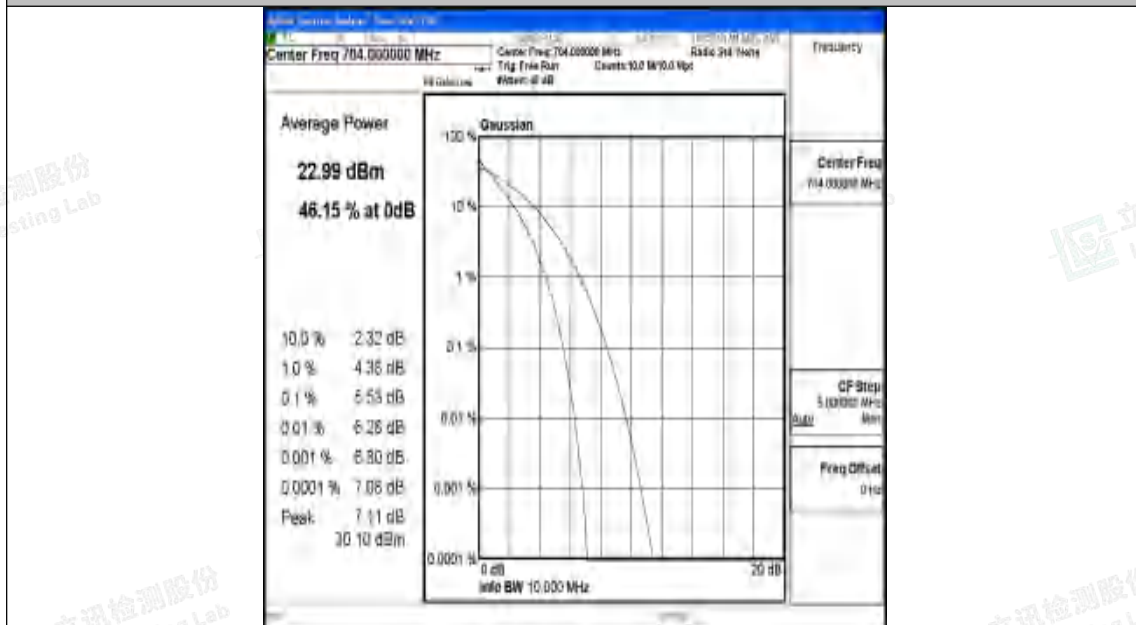


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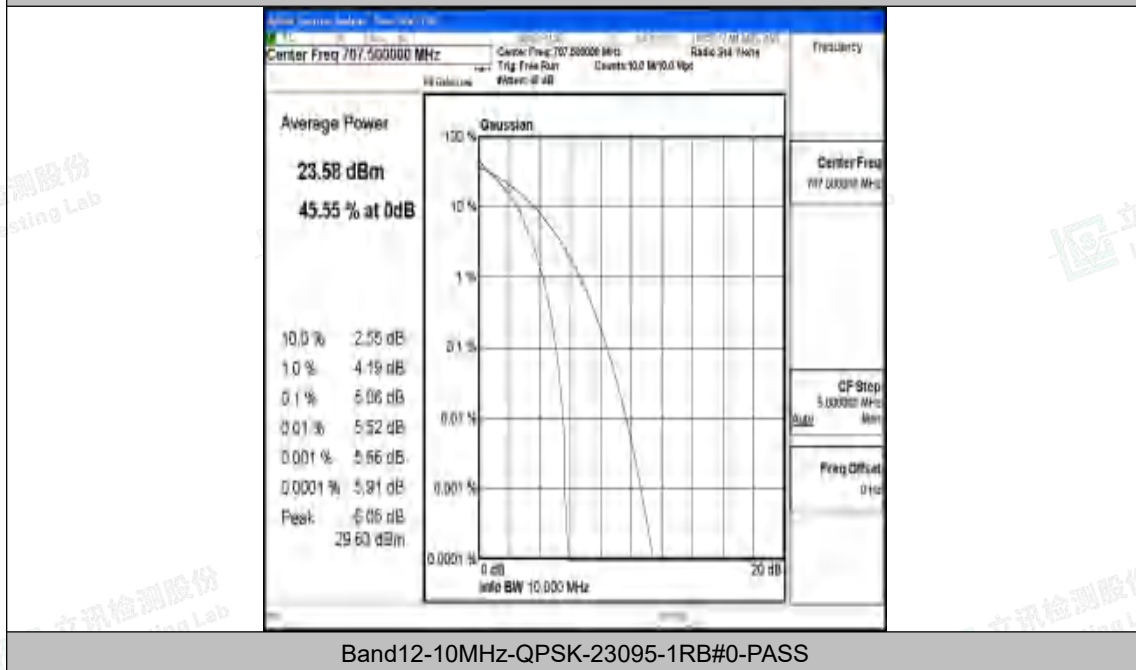
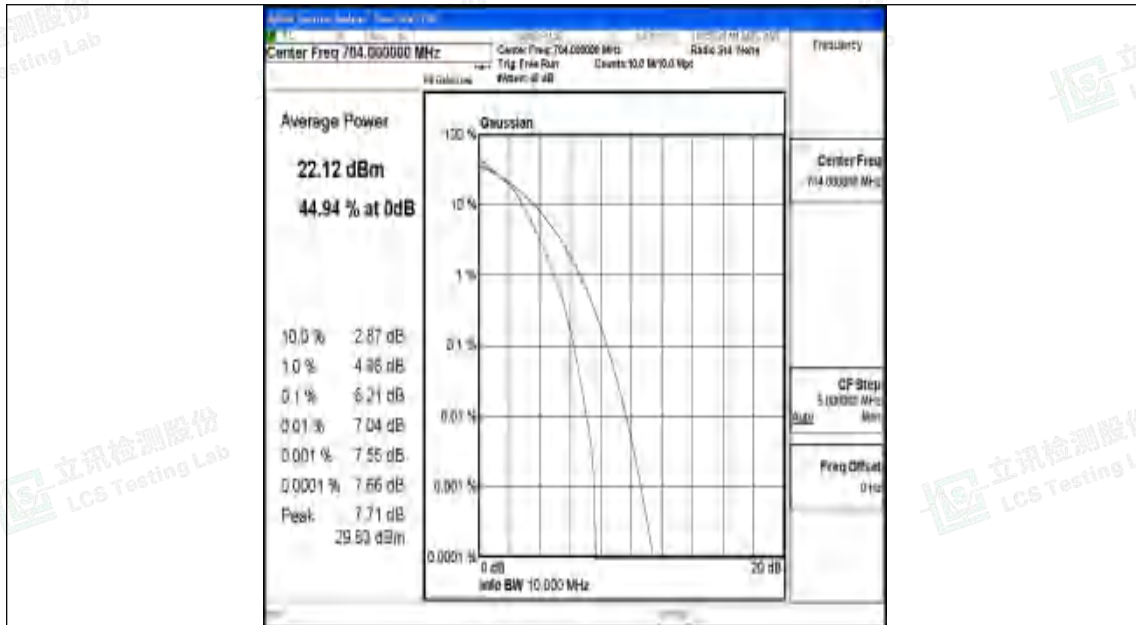
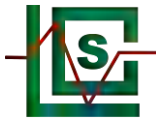


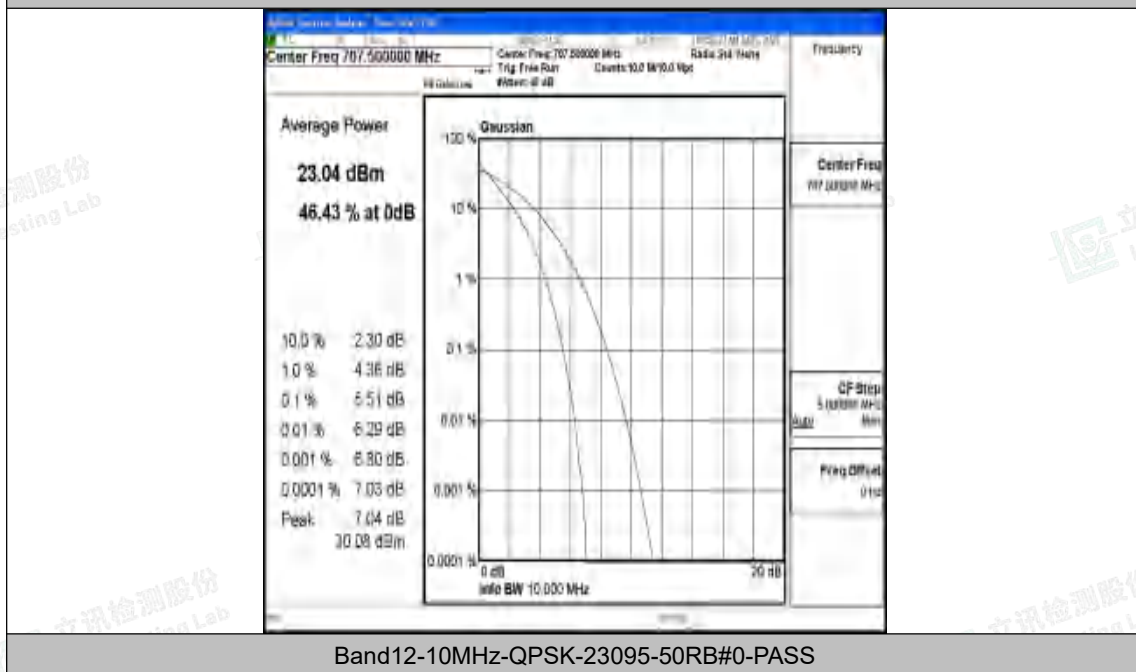
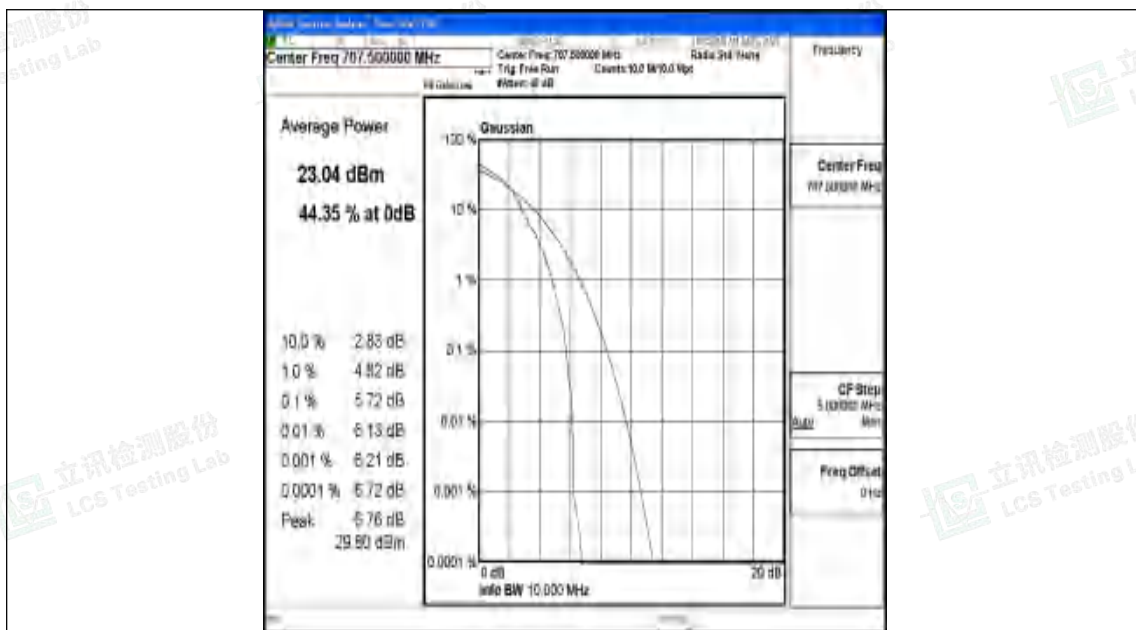
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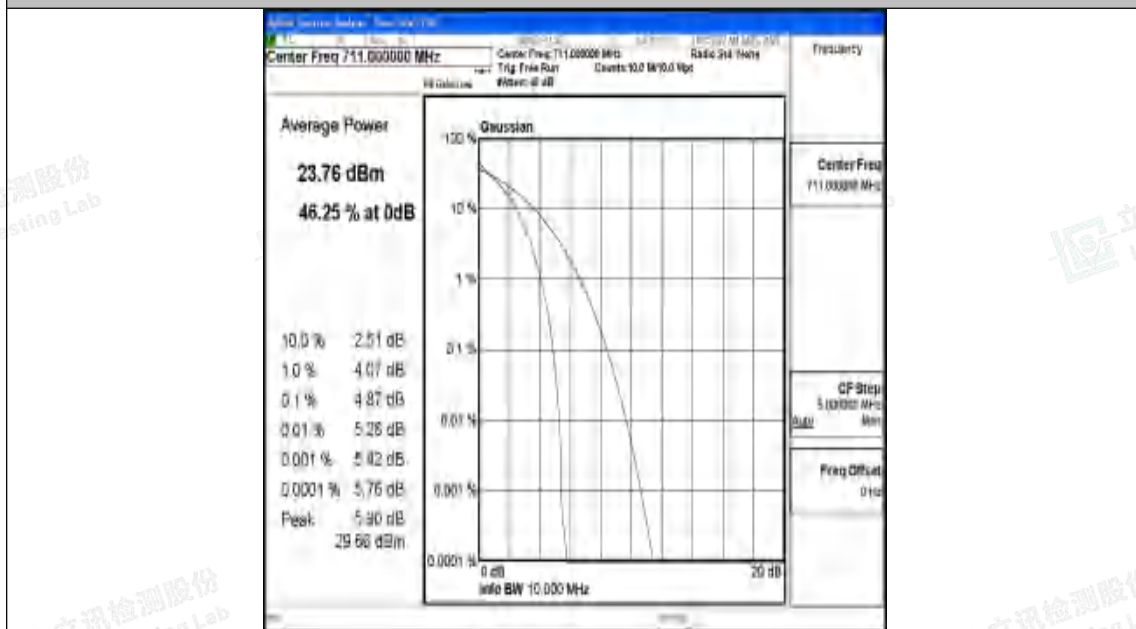
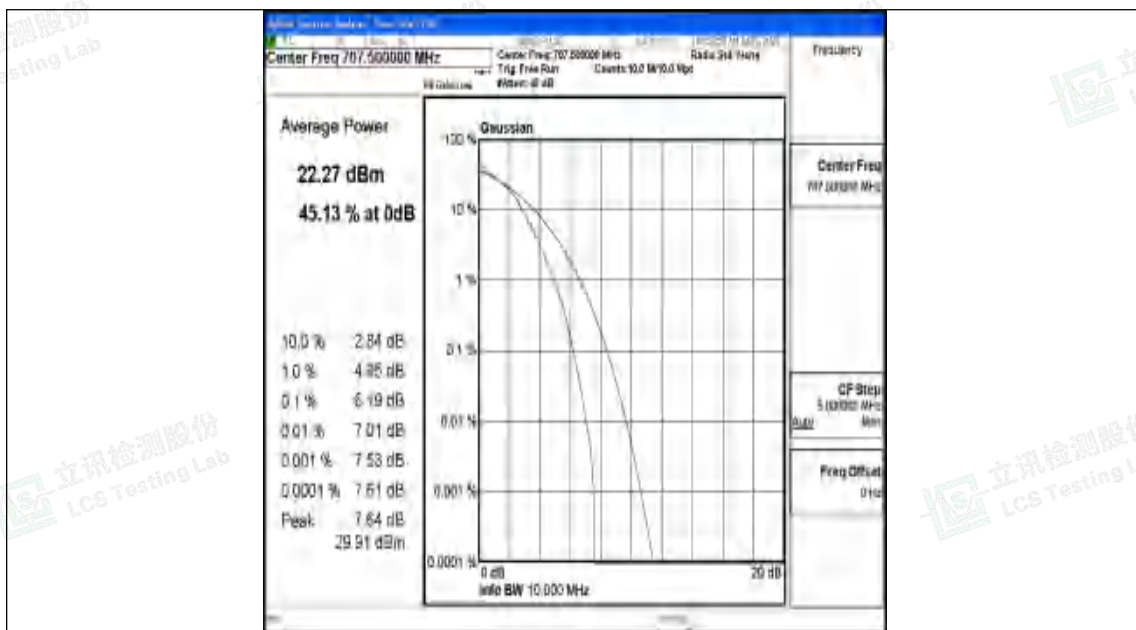


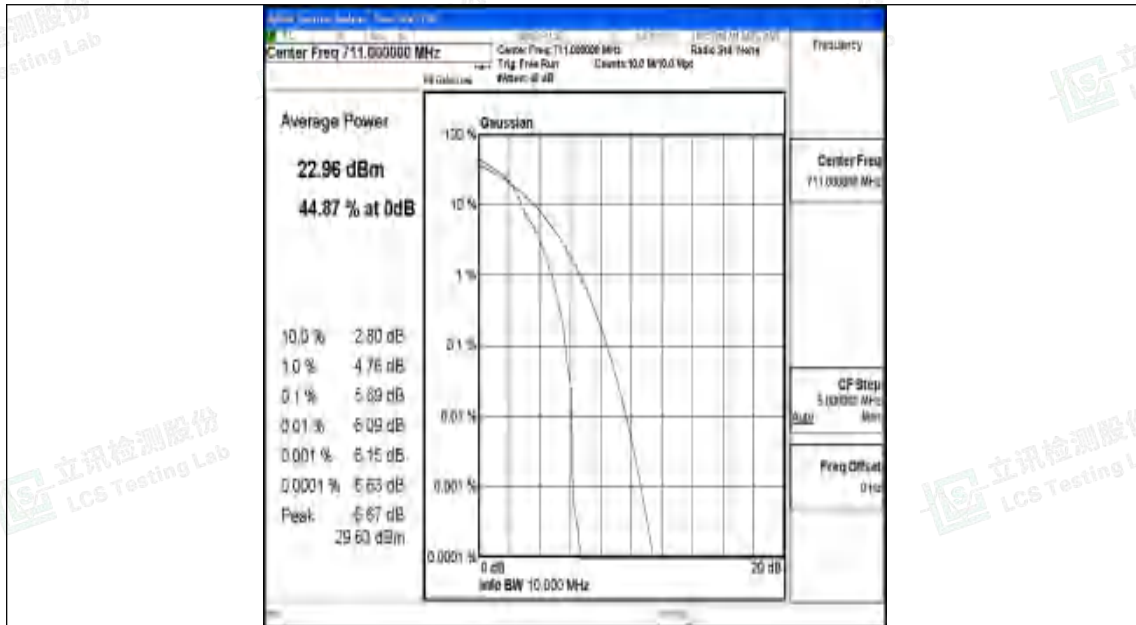
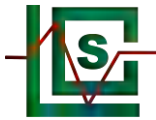
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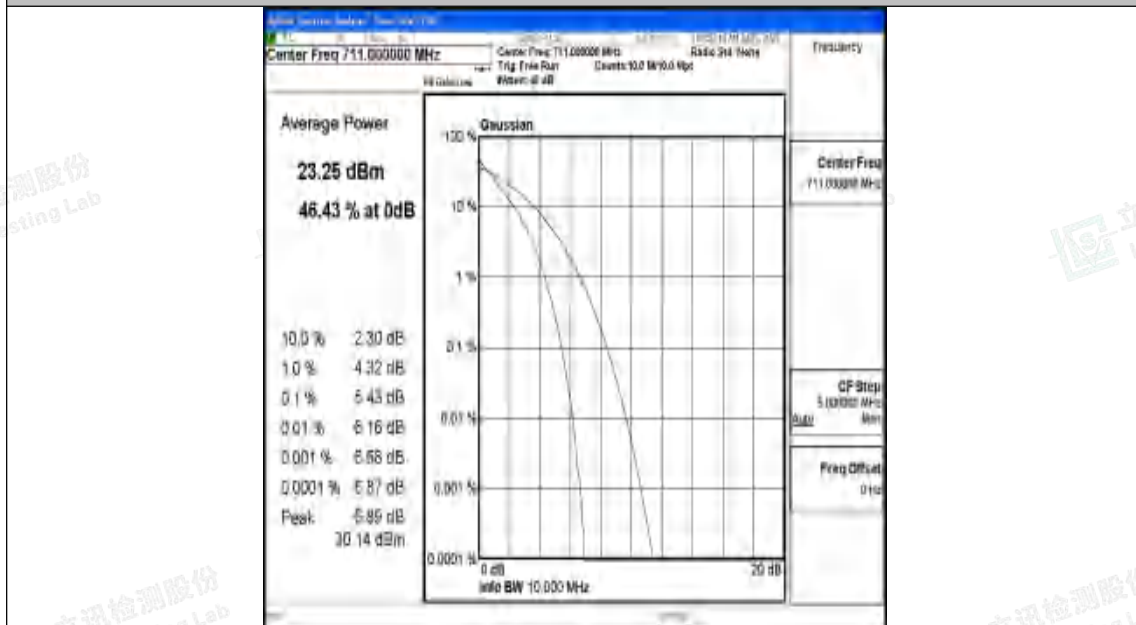






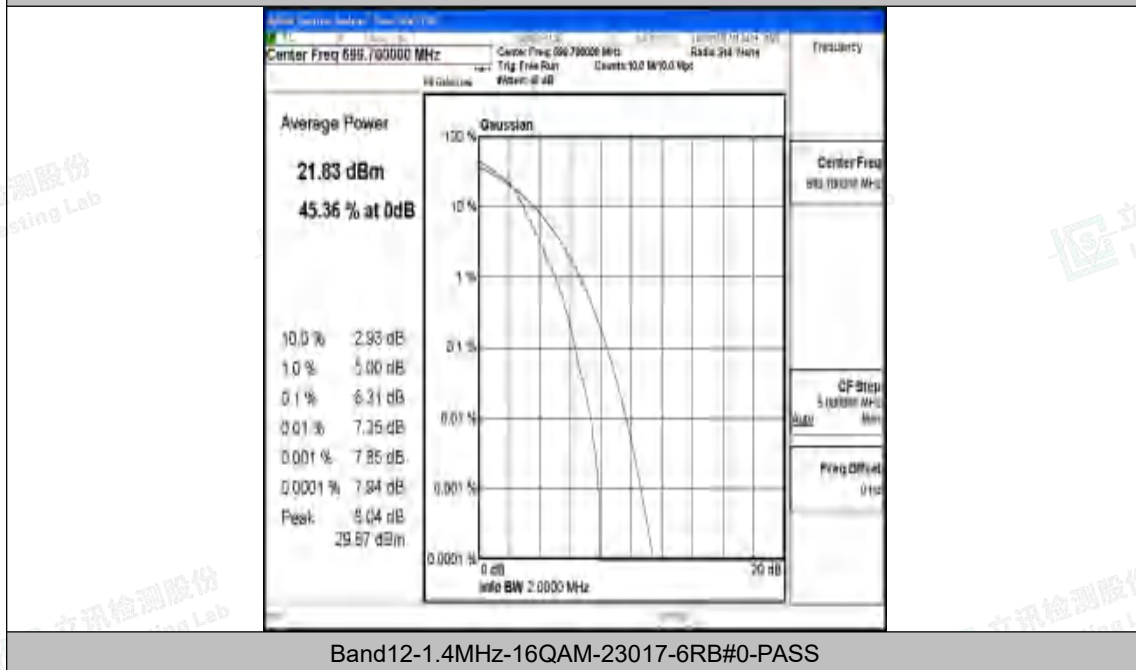
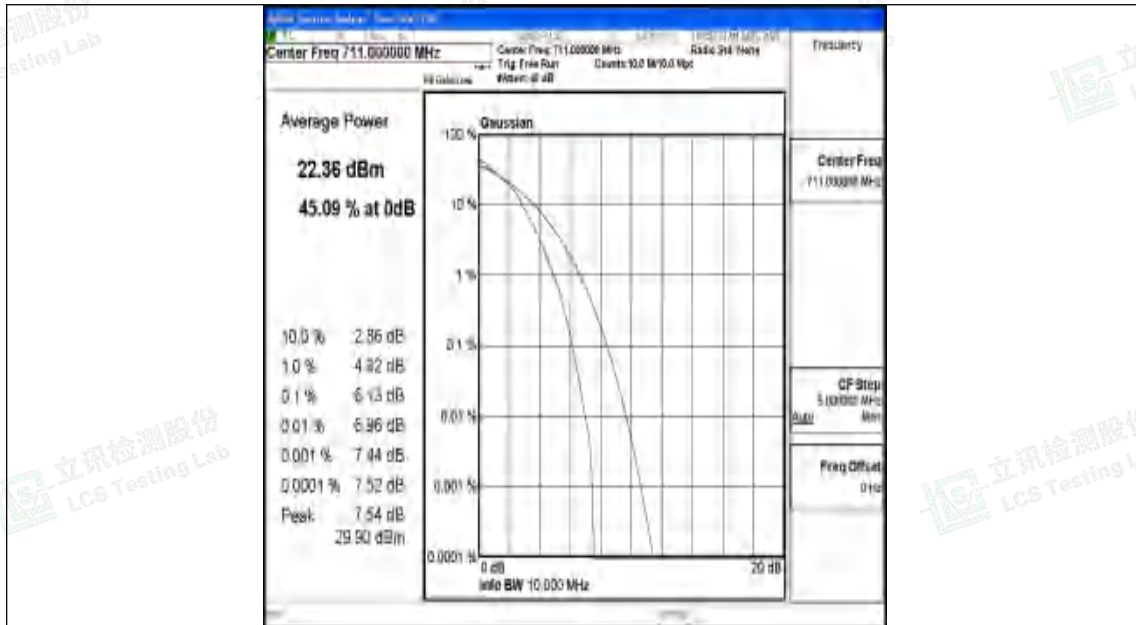
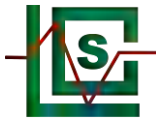


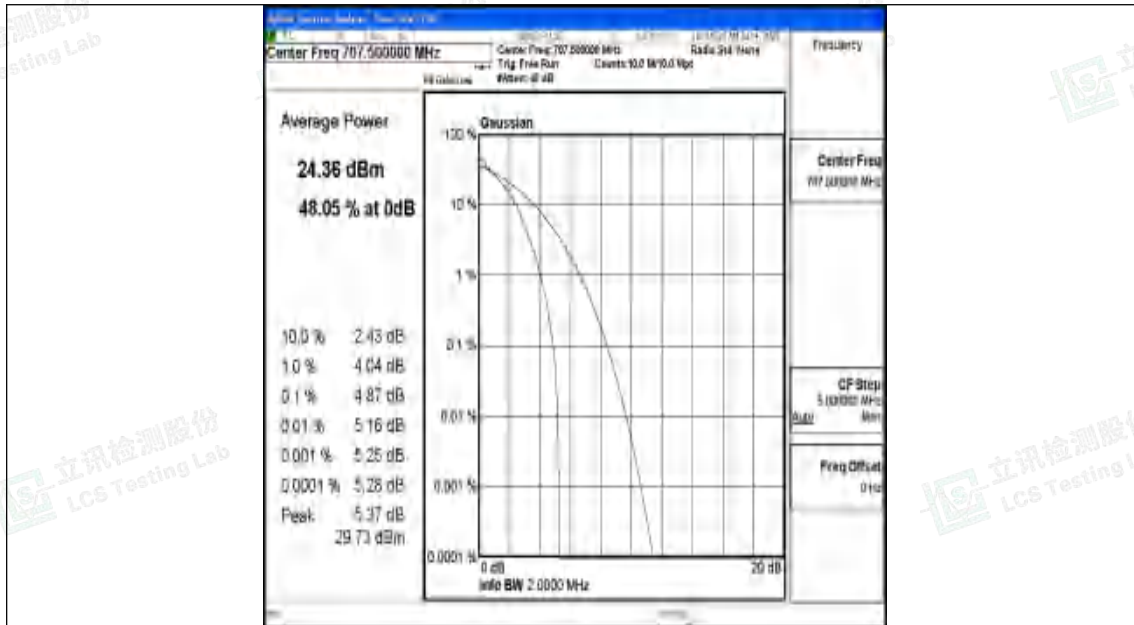
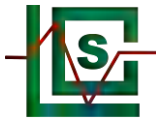
Band12-10MHz-16QAM-23130-1RB#0-PASS



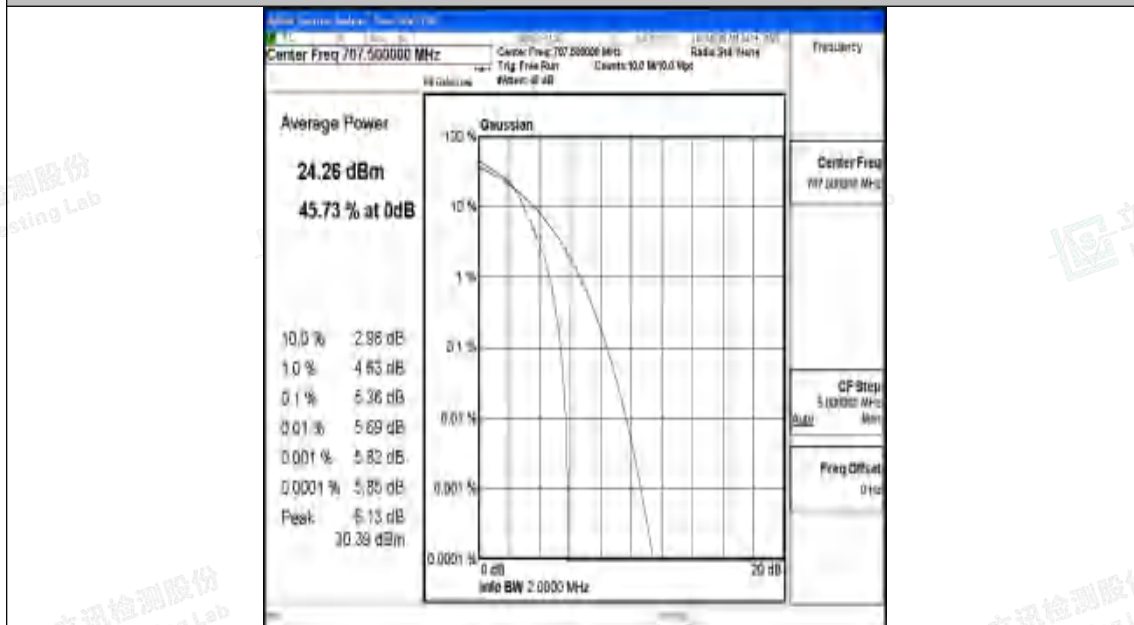
Band12-10MHz-QPSK-23130-50RB#0-PASS





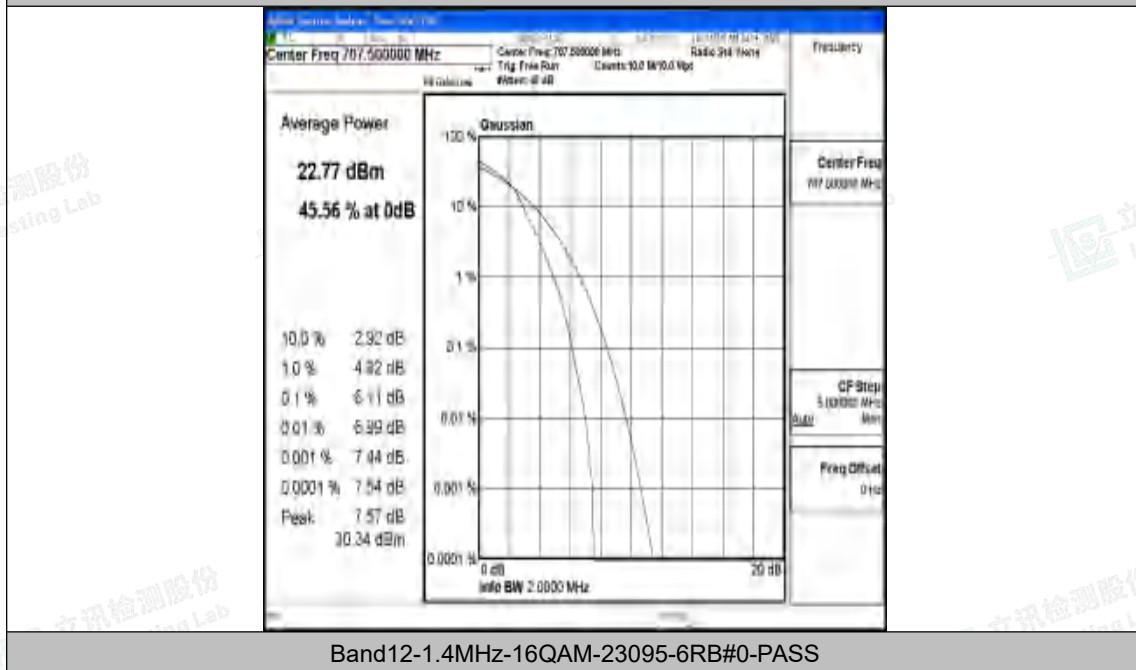
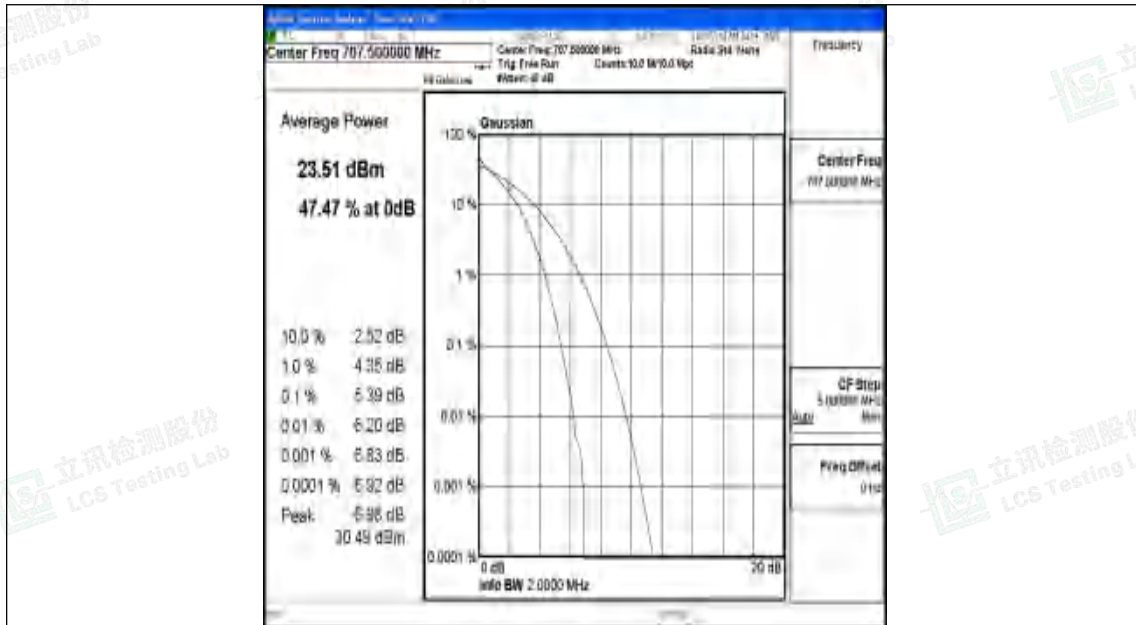
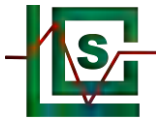


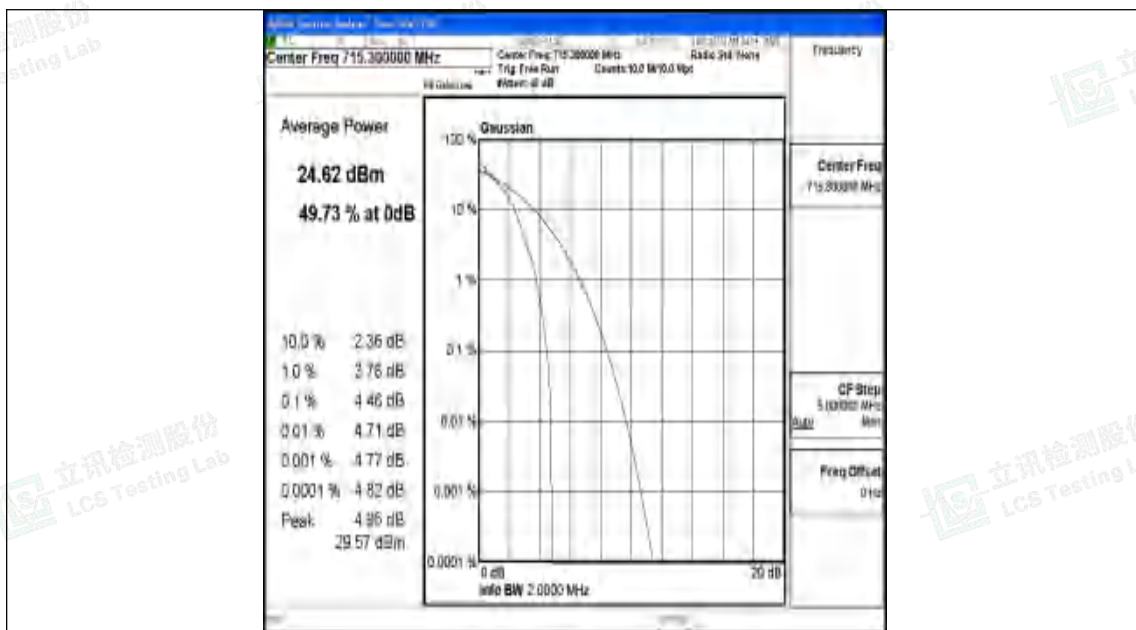
Band12-1.4MHz-QPSK-23095-1RB#0-PASS



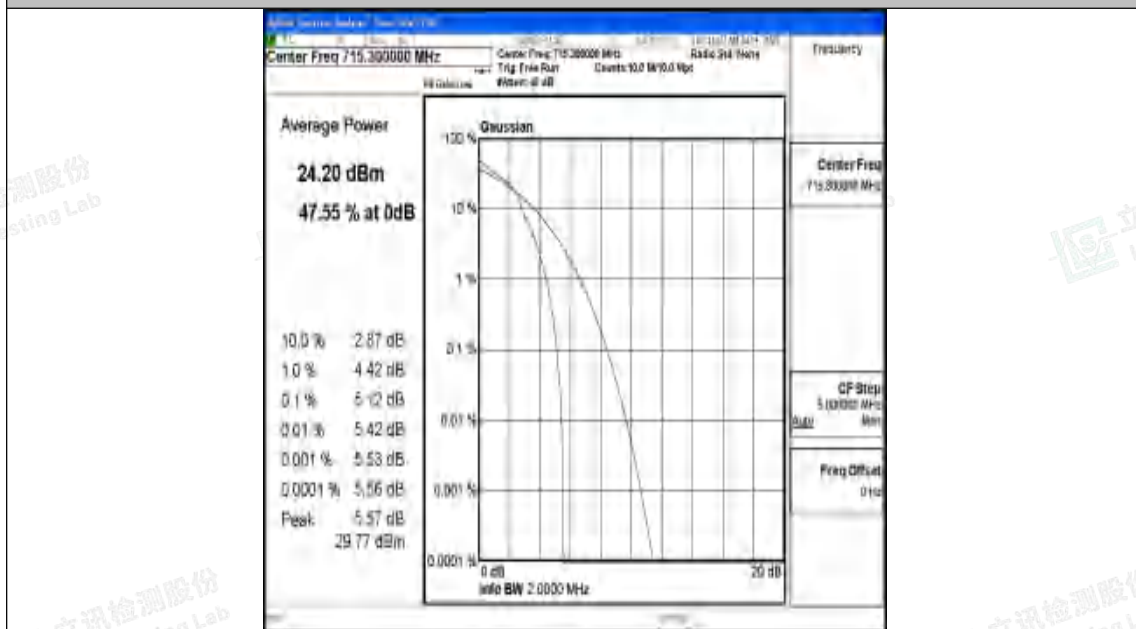
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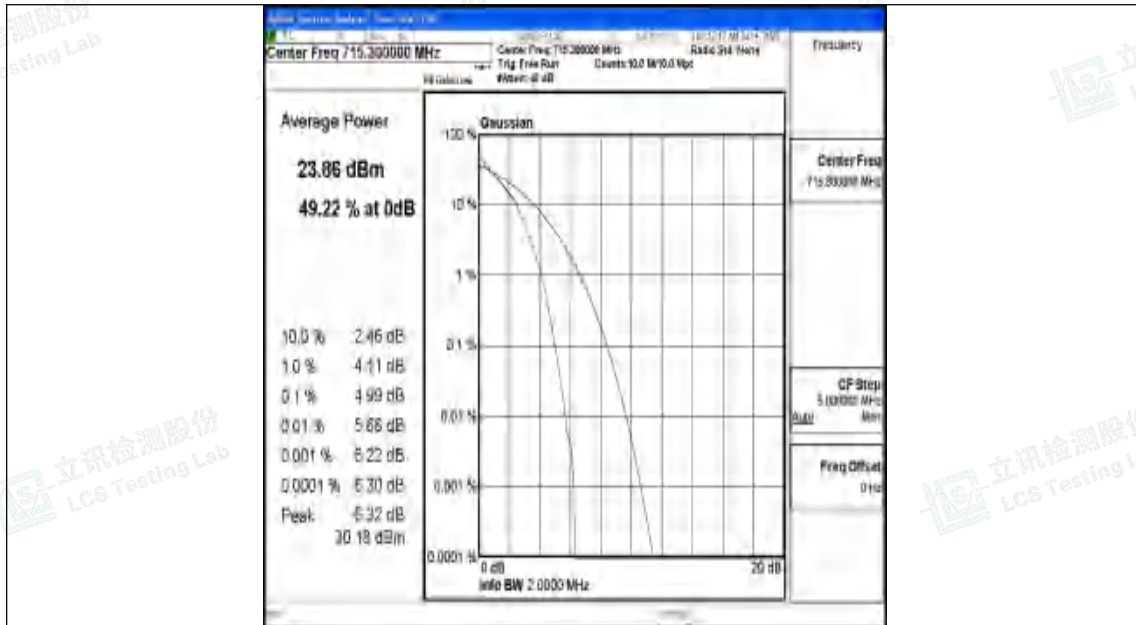
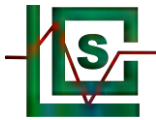


Band12-1.4MHz-QPSK-23173-1RB#0-PASS

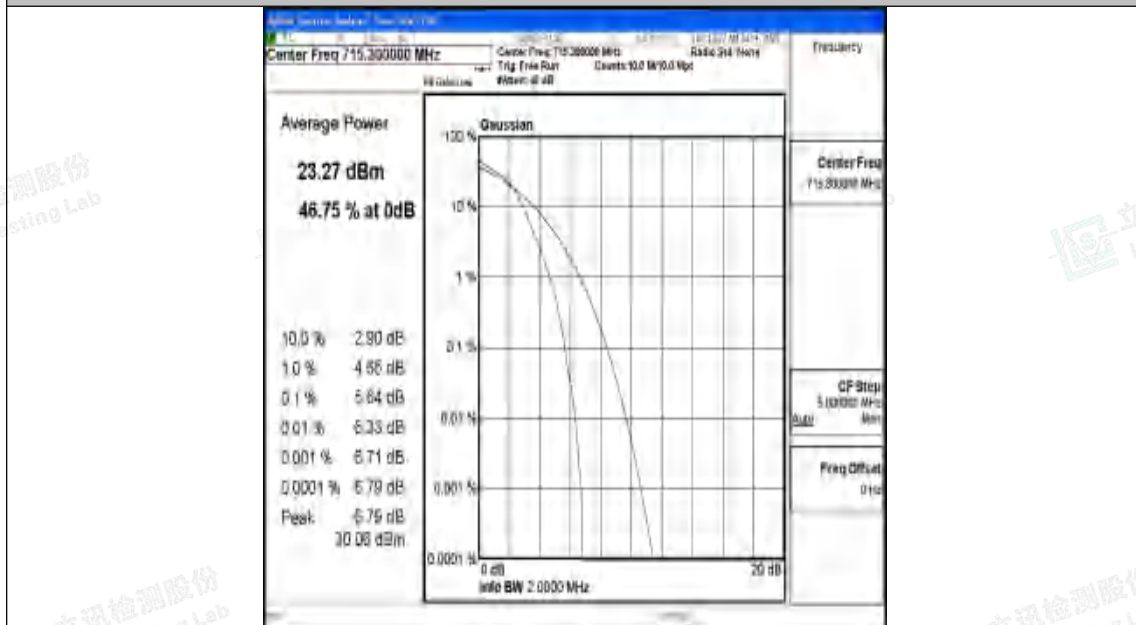


Band12-1.4MHz-16QAM-23173-1RB#0-PASS



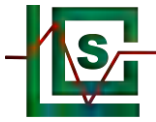


Band12-1.4MHz-QPSK-23173-6RB#0-PASS



Band12-1.4MHz-16QAM-23173-6RB#0-PASS



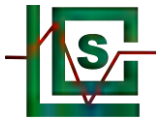


### E.3 26dB Bandwidth and Occupied Bandwidth

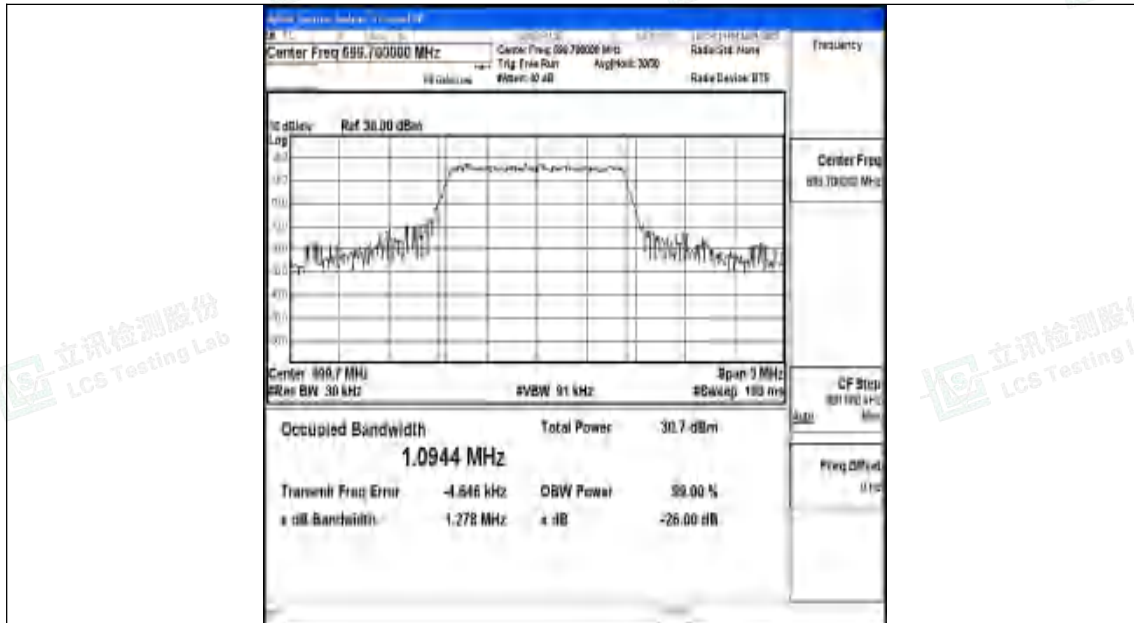
#### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | 1.0944                   | 1.278                | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | 1.1041                   | 1.302                | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 6RB#0            | 1.0964                   | 1.292                | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 6RB#0            | 1.1023                   | 1.325                | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 6RB#0            | 1.0948                   | 1.276                | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 6RB#0            | 1.1040                   | 1.345                | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 15RB#0           | 2.7582                   | 3.442                | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 15RB#0           | 2.7590                   | 3.256                | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 15RB#0           | 2.7607                   | 3.392                | PASS    |
| Band12 | 3MHz      | 16QAM      | 23095   | 15RB#0           | 2.7490                   | 3.334                | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 15RB#0           | 2.7634                   | 3.393                | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 15RB#0           | 2.7482                   | 3.290                | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 25RB#0           | 4.5283                   | 5.321                | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 25RB#0           | 4.5151                   | 5.256                | PASS    |
| Band12 | 5MHz      | QPSK       | 23095   | 25RB#0           | 4.5255                   | 5.341                | PASS    |
| Band12 | 5MHz      | 16QAM      | 23095   | 25RB#0           | 4.5140                   | 5.096                | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 25RB#0           | 4.5153                   | 5.281                | PASS    |
| Band12 | 5MHz      | 16QAM      | 23155   | 25RB#0           | 4.5101                   | 5.269                | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0           | 8.9832                   | 10.07                | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 50RB#0           | 8.9742                   | 10.03                | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0           | 8.9856                   | 9.891                | PASS    |
| Band12 | 10MHz     | 16QAM      | 23095   | 50RB#0           | 8.9946                   | 10.01                | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0           | 8.9872                   | 9.942                | PASS    |
| Band12 | 10MHz     | 16QAM      | 23130   | 50RB#0           | 8.9714                   | 9.932                | PASS    |

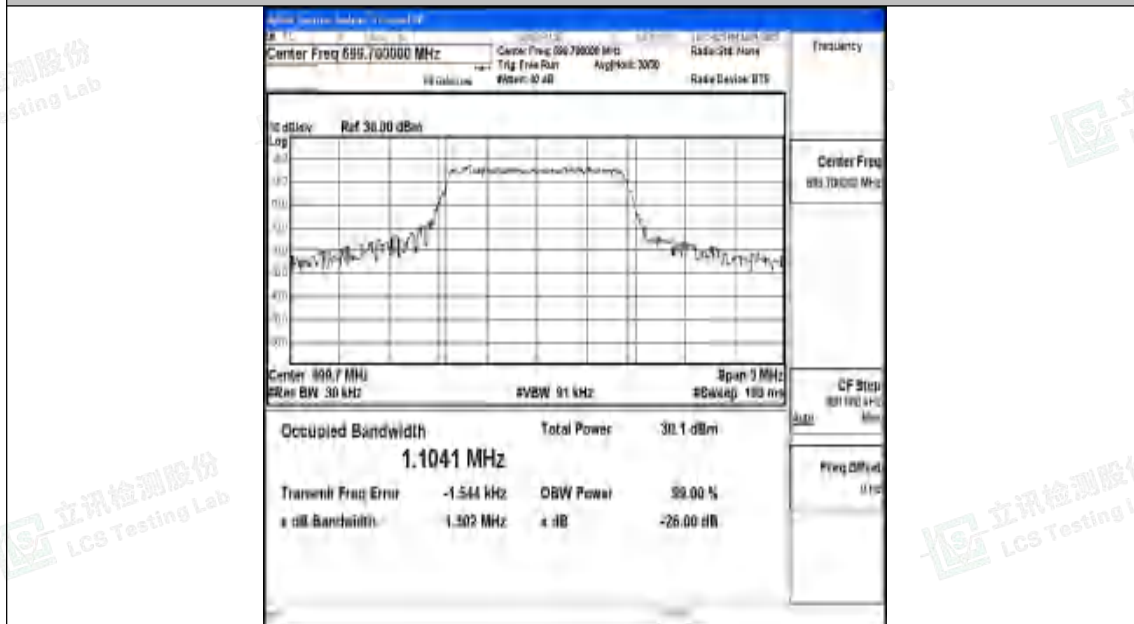




## Test Graphs

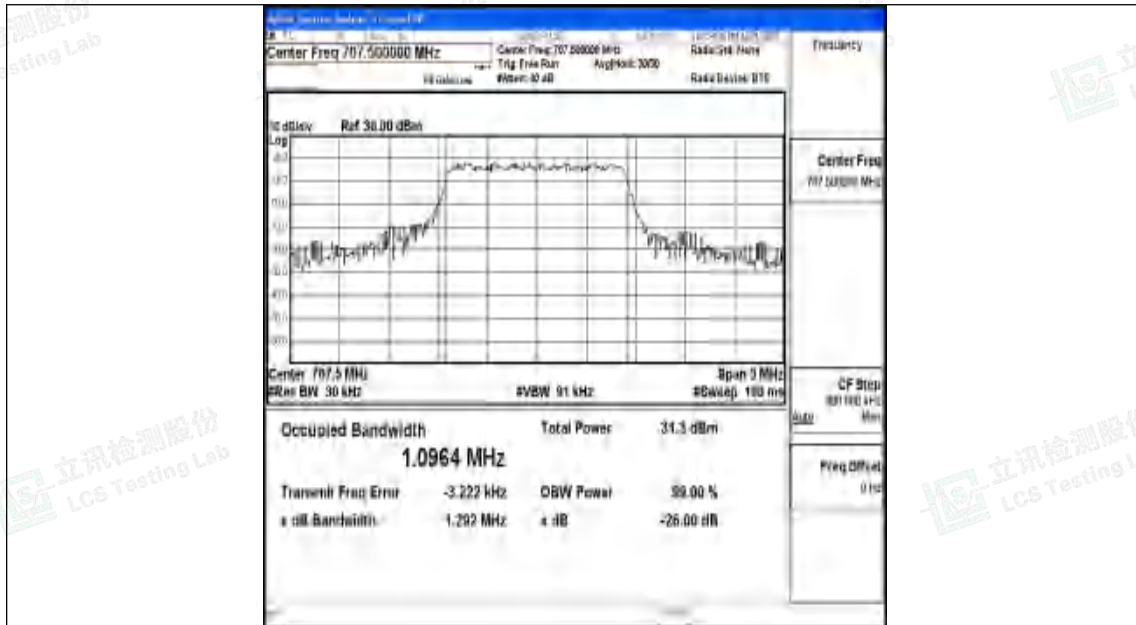
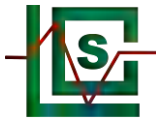


Band12-1.4MHz-QPSK-23017-6RB#0-PASS

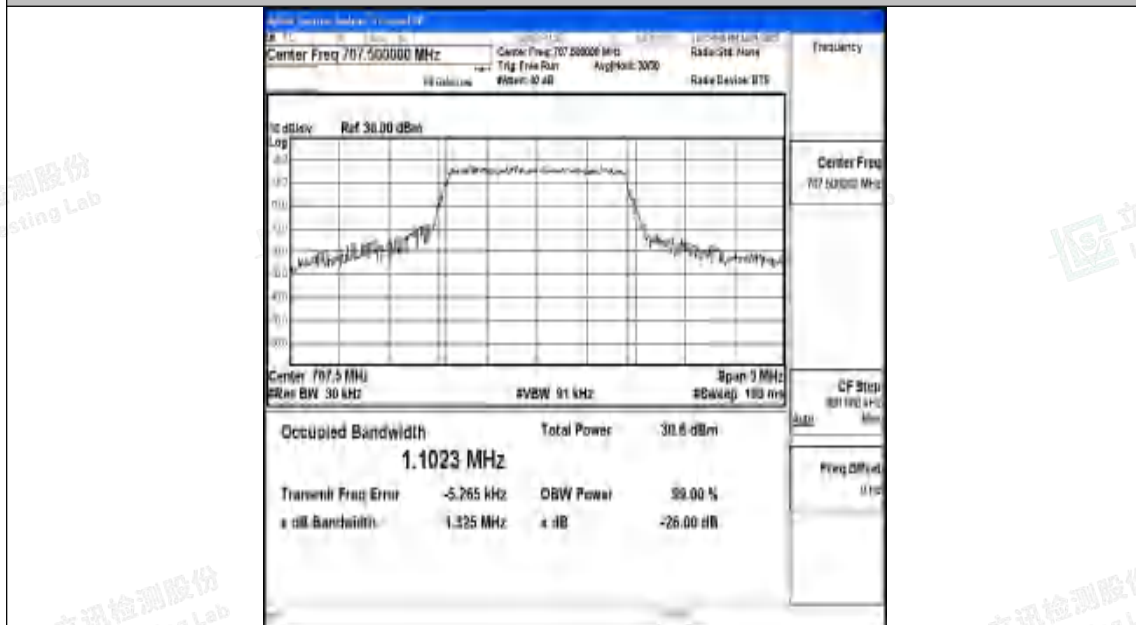


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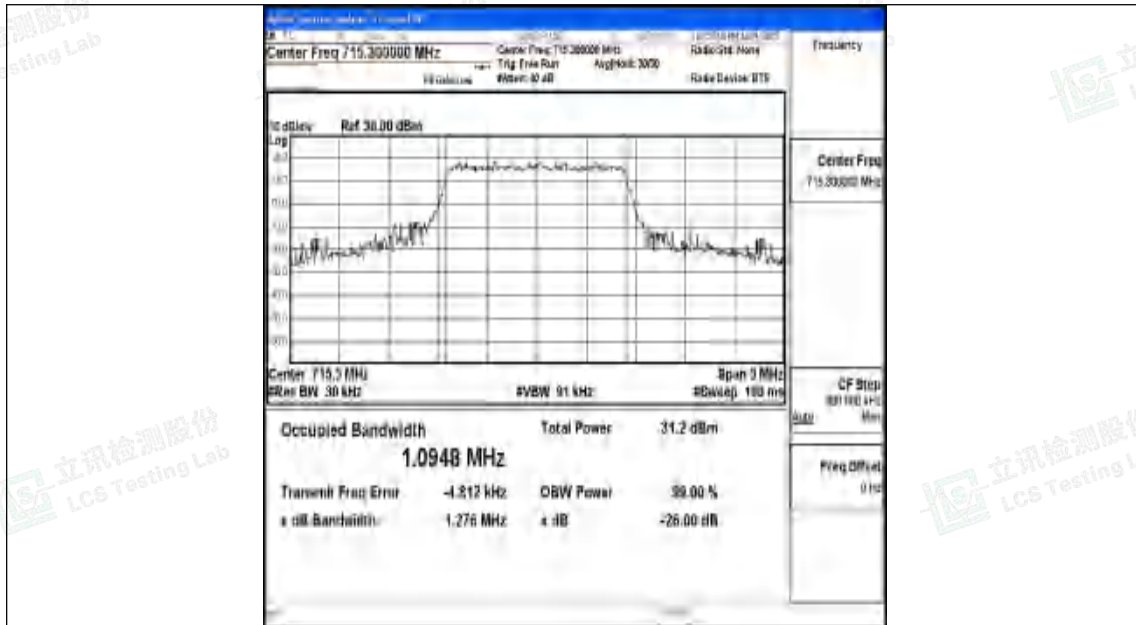
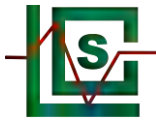


Band12-1.4MHz-QPSK-23095-6RB#0-PASS

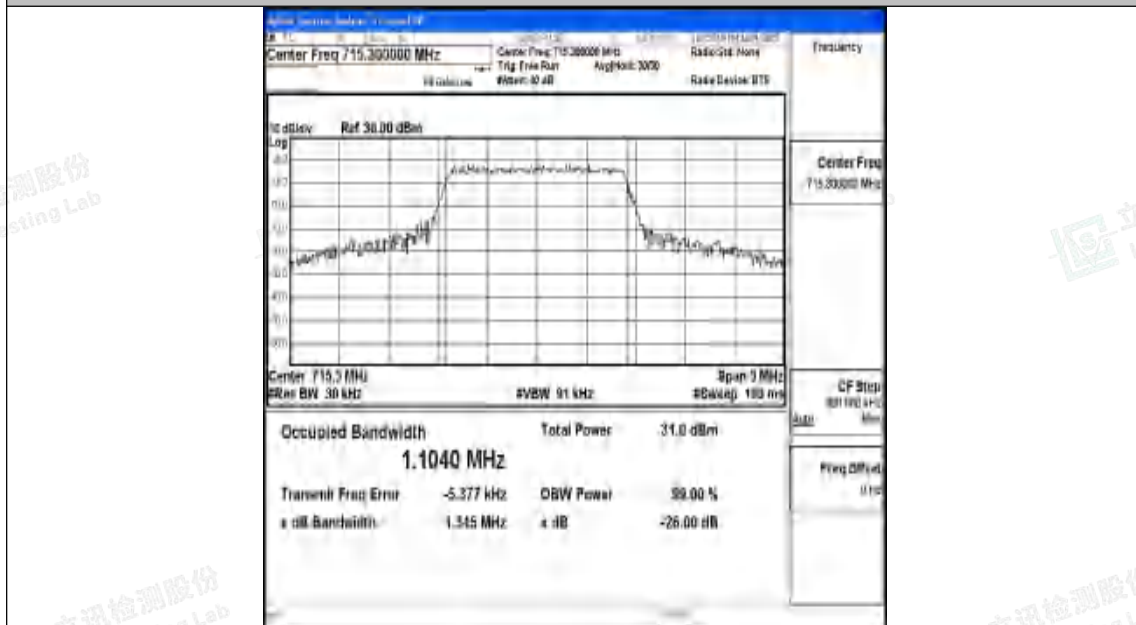


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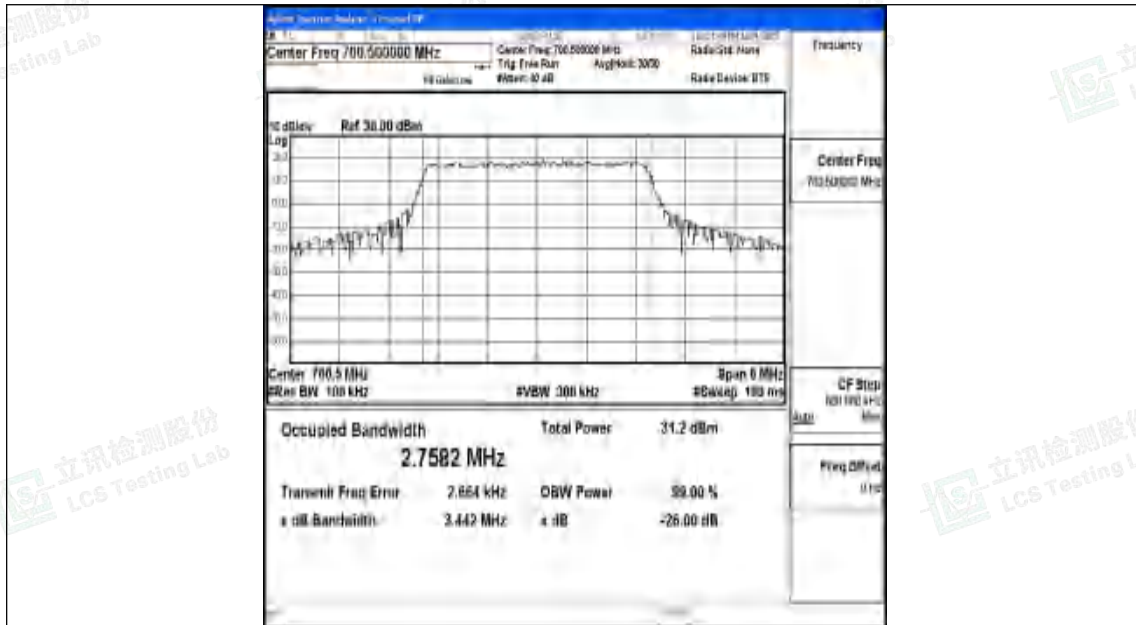
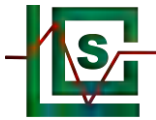


Band12-1.4MHz-QPSK-23173-6RB#0-PASS

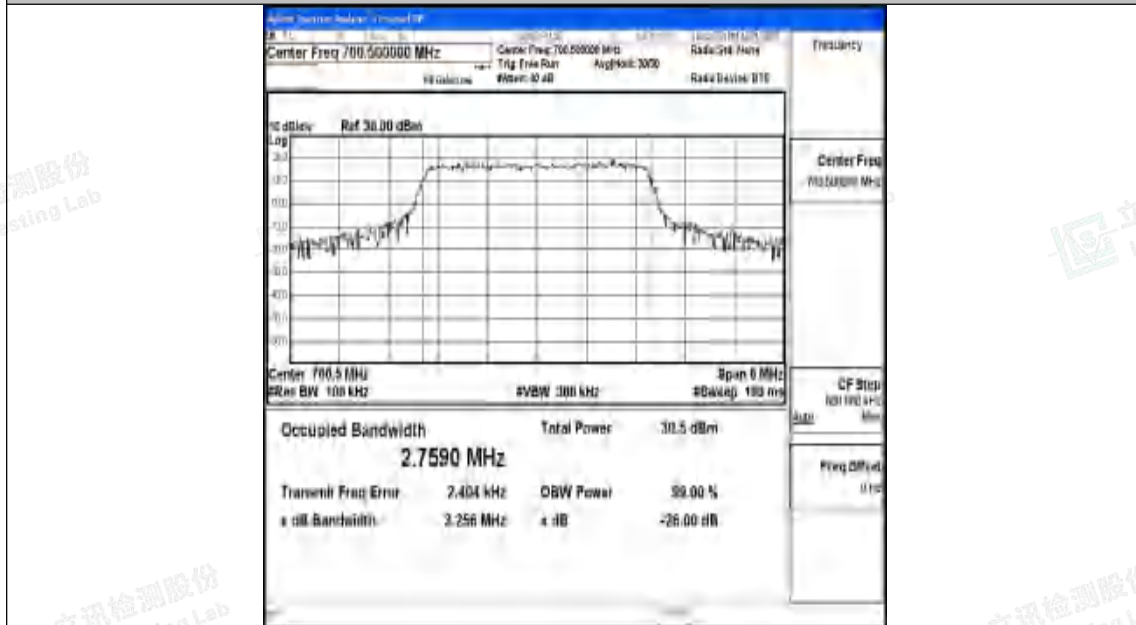


Band12-1.4MHz-16QAM-23173-6RB#0-PASS



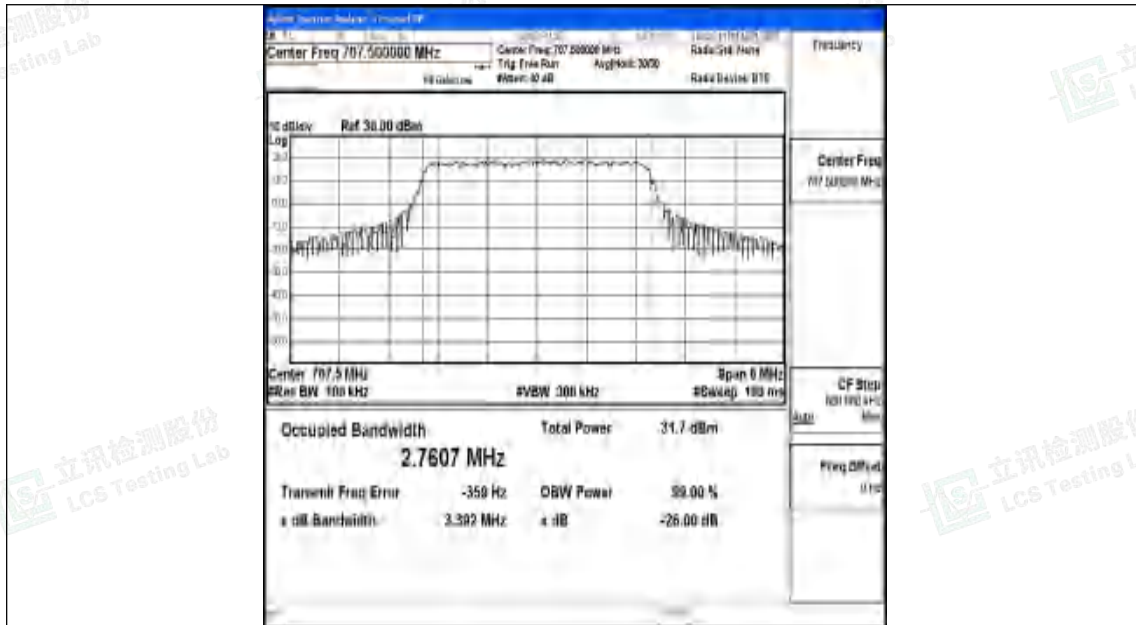
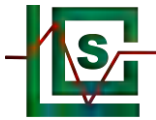


Band12-3MHz-QPSK-23025-15RB#0-PASS

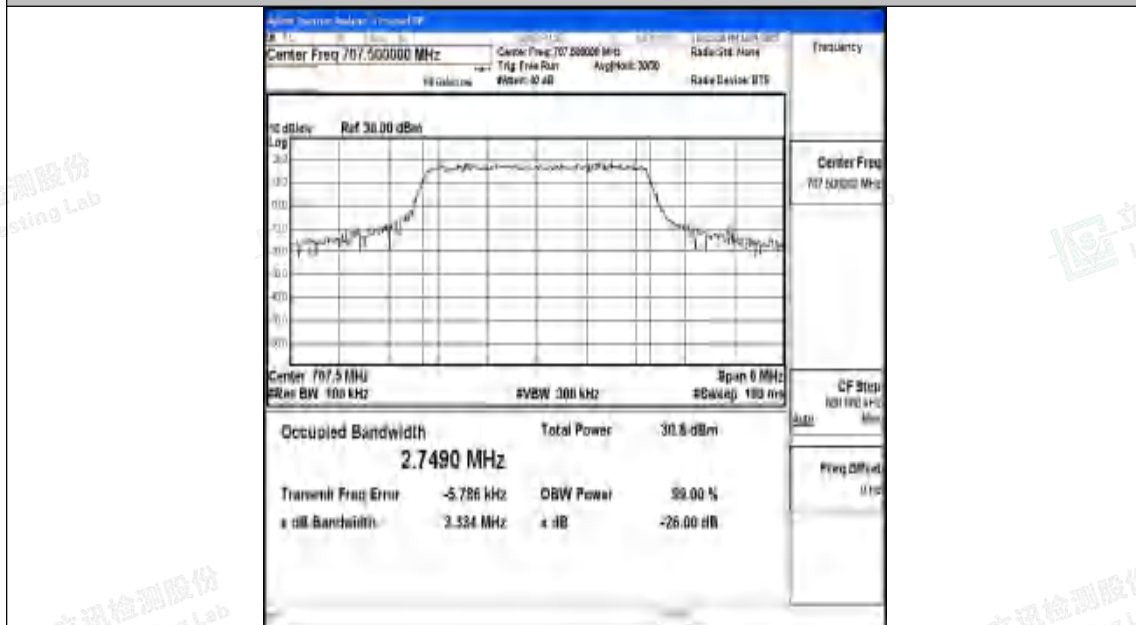


Band12-3MHz-16QAM-23025-15RB#0-PASS



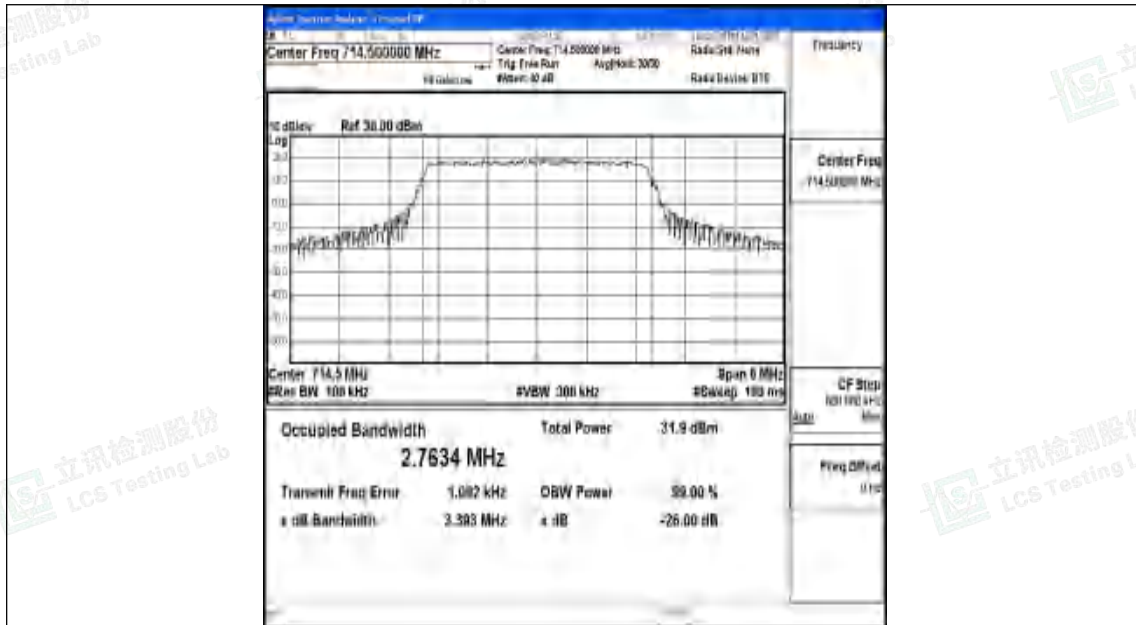
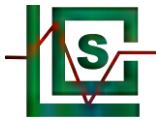


Band12-3MHz-QPSK-23095-15RB#0-PASS



Band12-3MHz-16QAM-23095-15RB#0-PASS



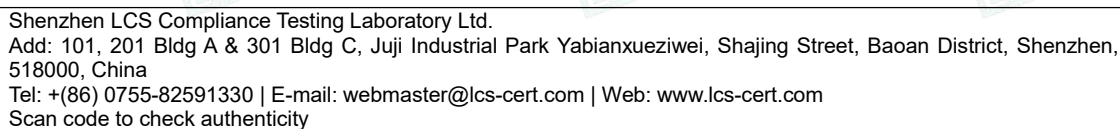
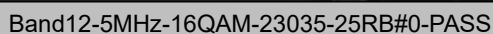
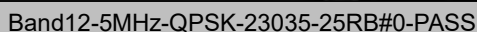
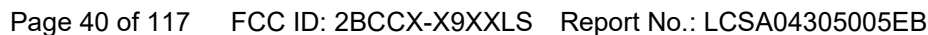


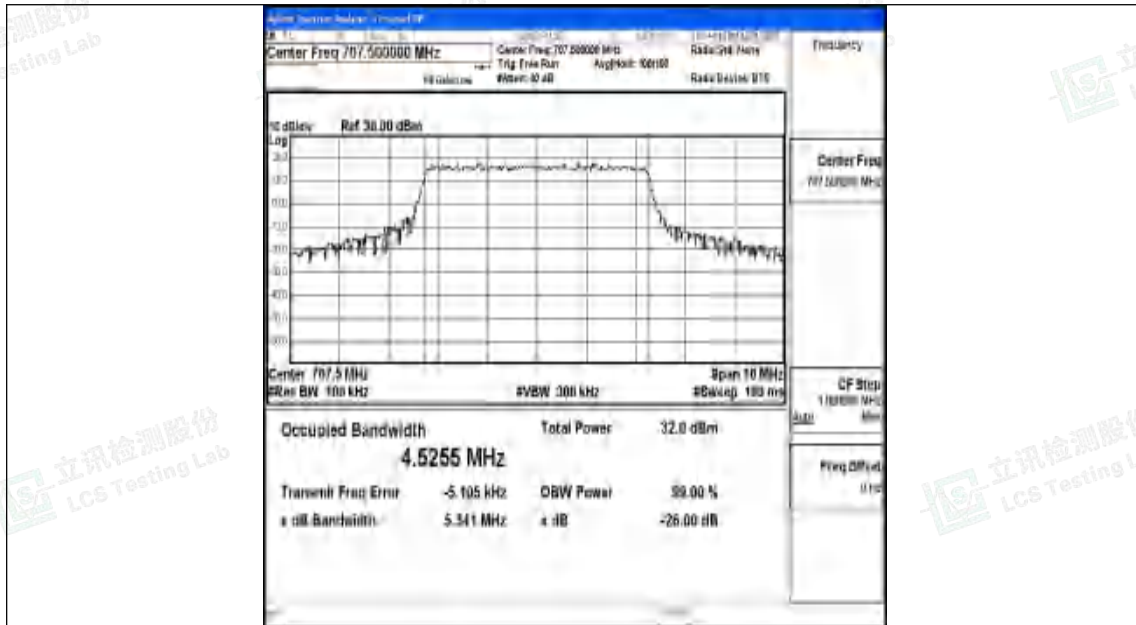
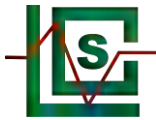
Band12-3MHz-QPSK-23165-15RB#0-PASS



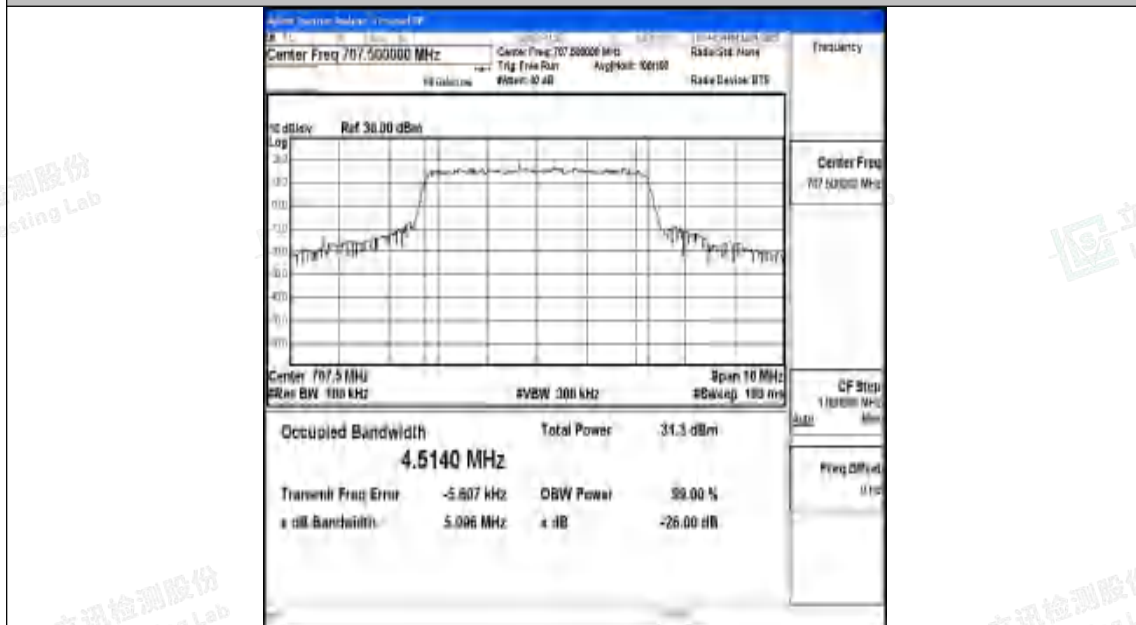
Band12-3MHz-16QAM-23165-15RB#0-PASS





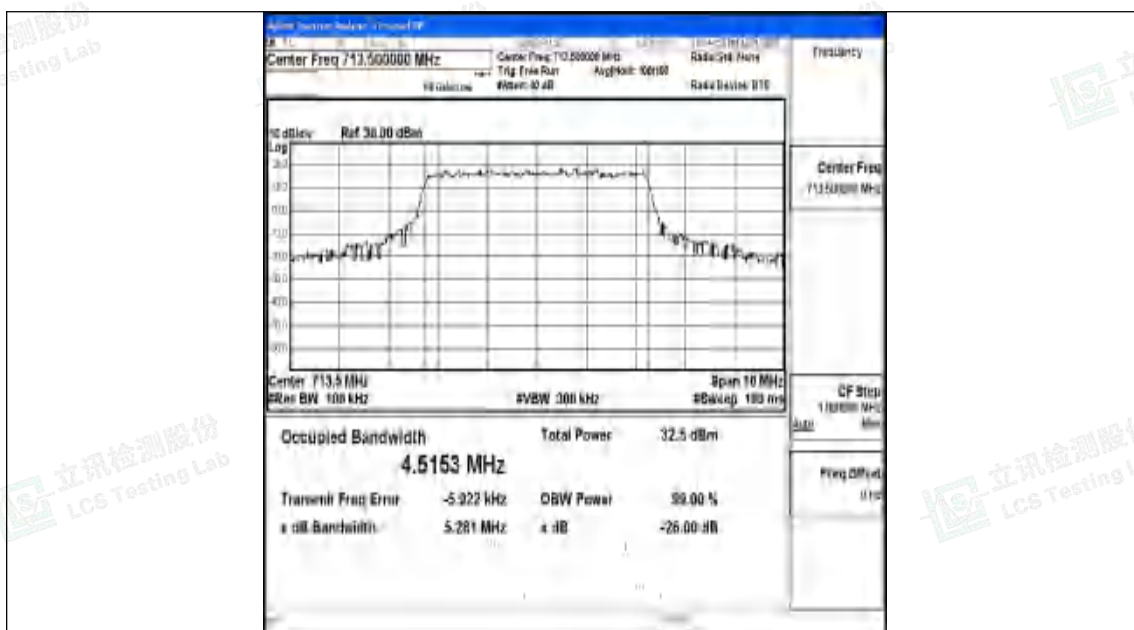
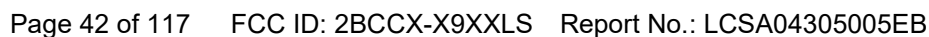


Band12-5MHz-QPSK-23095-25RB#0-PASS



Band12-5MHz-16QAM-23095-25RB#0-PASS

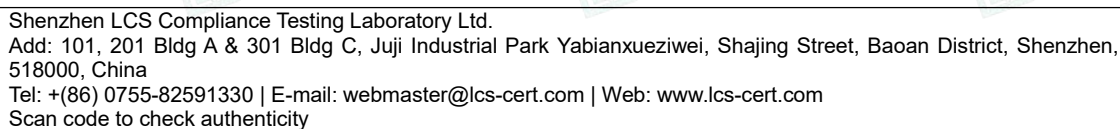


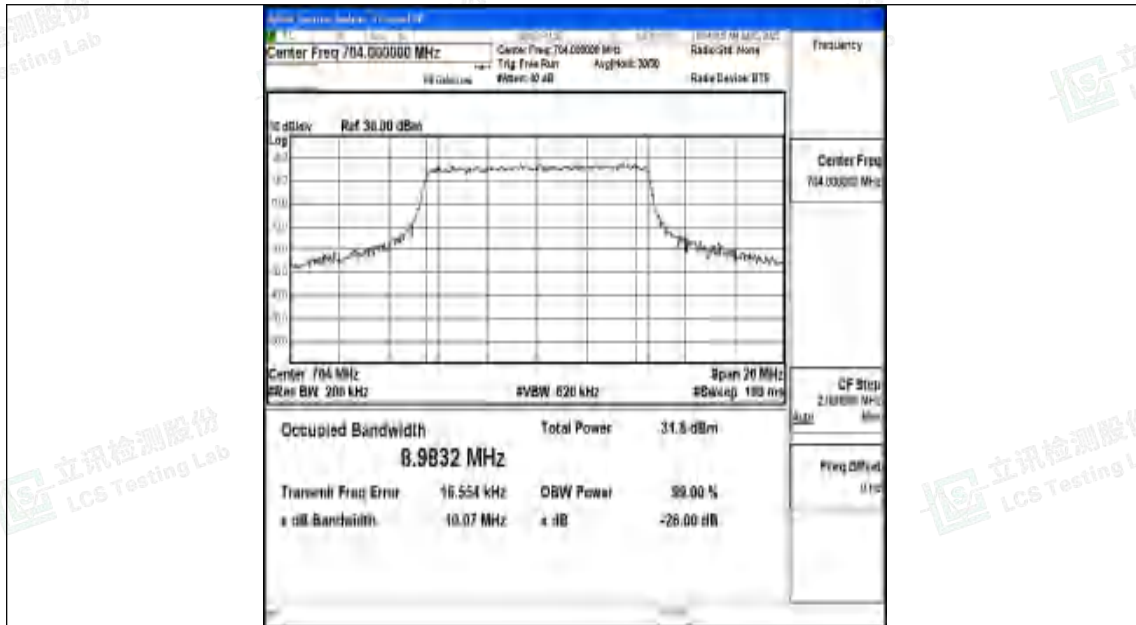
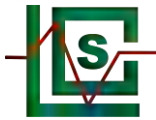


Band12-5MHz-QPSK-23155-25RB#0-PASS

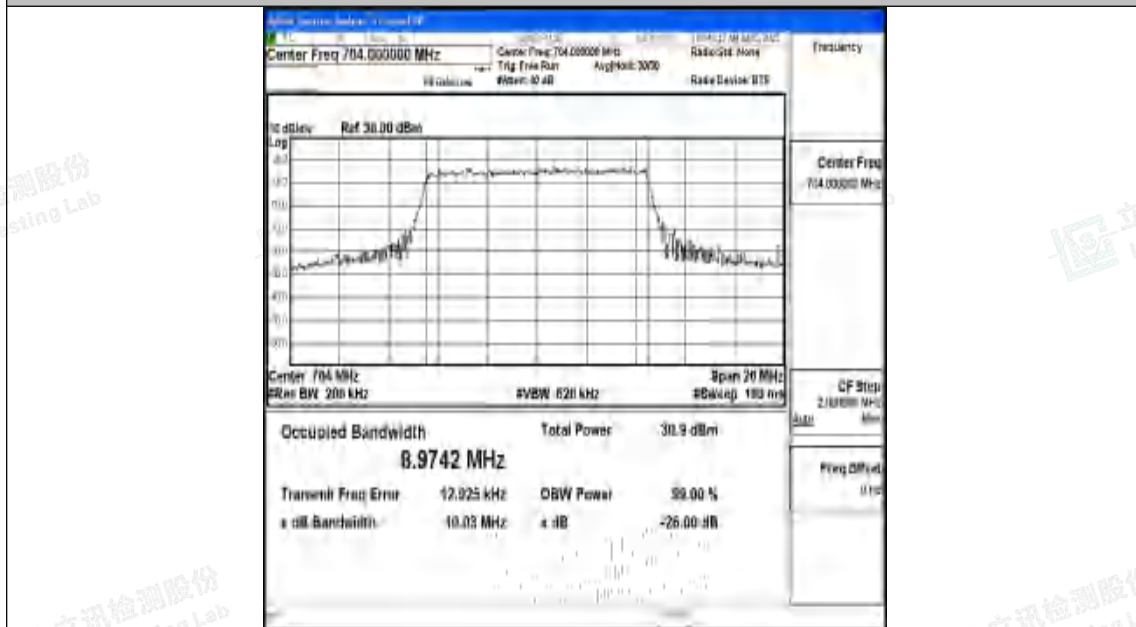


Band12-5MHz-16QAM-23155-25RB#0-PASS



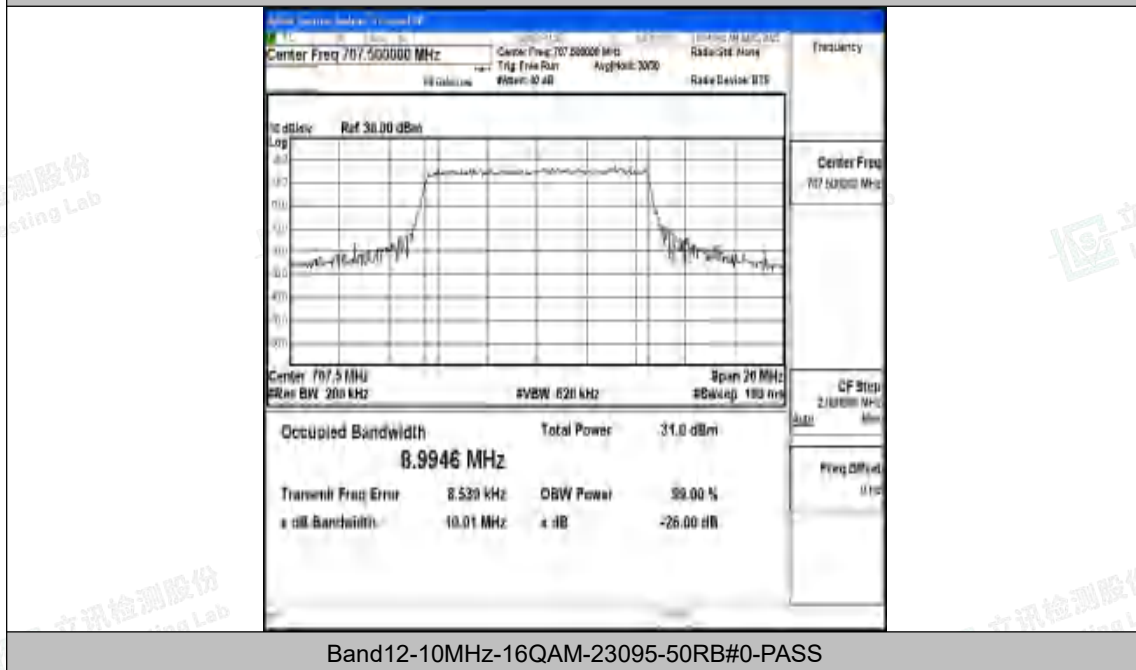
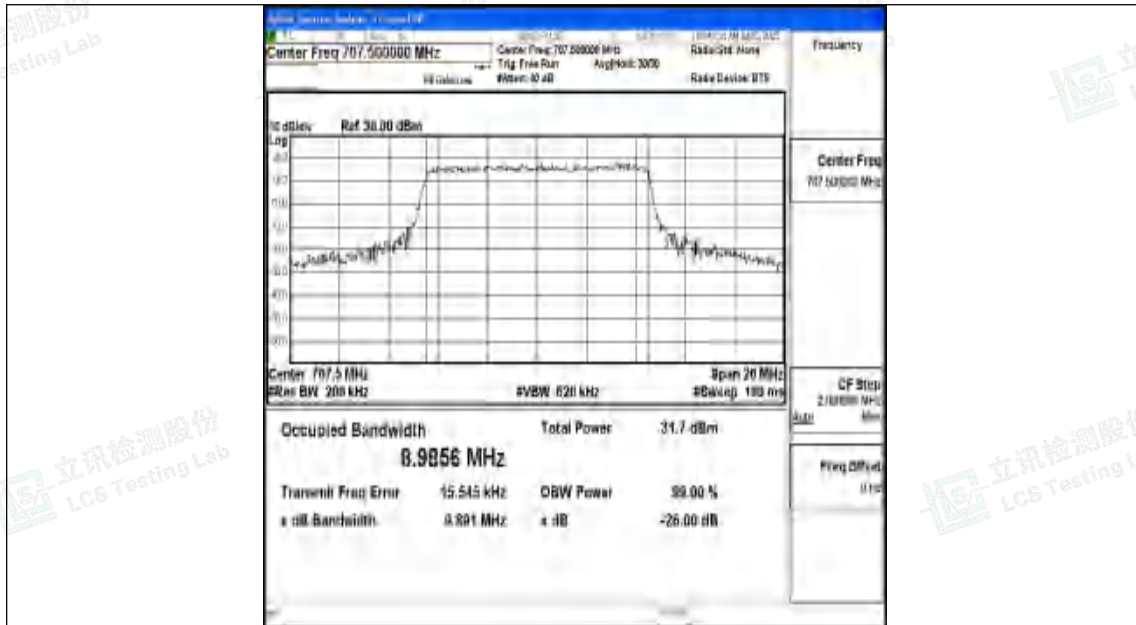
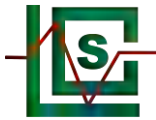


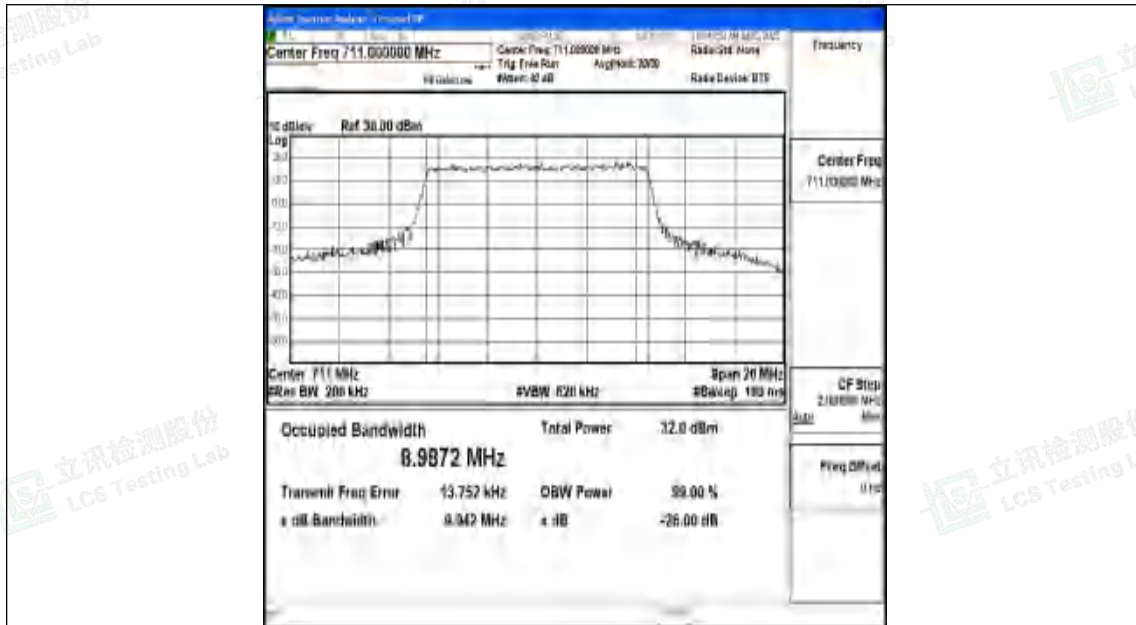
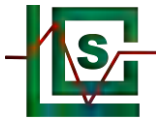
Band12-10MHz-QPSK-23060-50RB#0-PASS



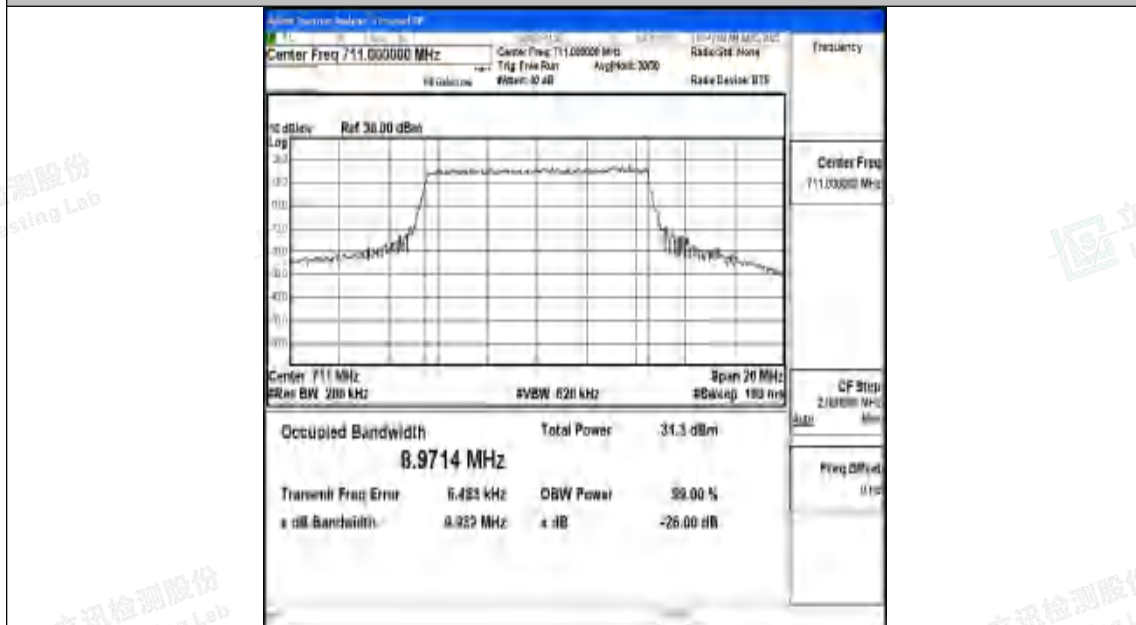
Band12-10MHz-16QAM-23060-50RB#0-PASS





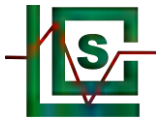


Band12-10MHz-QPSK-23130-50RB#0-PASS



Band12-10MHz-16QAM-23130-50RB#0-PASS



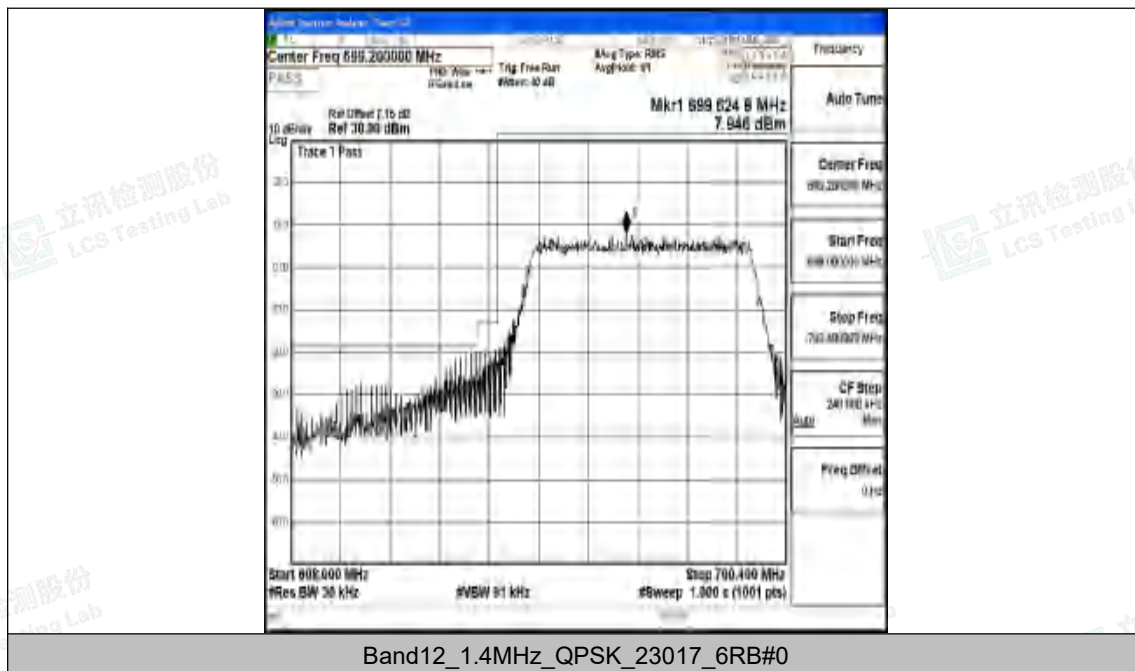


## E.4 Band Edge

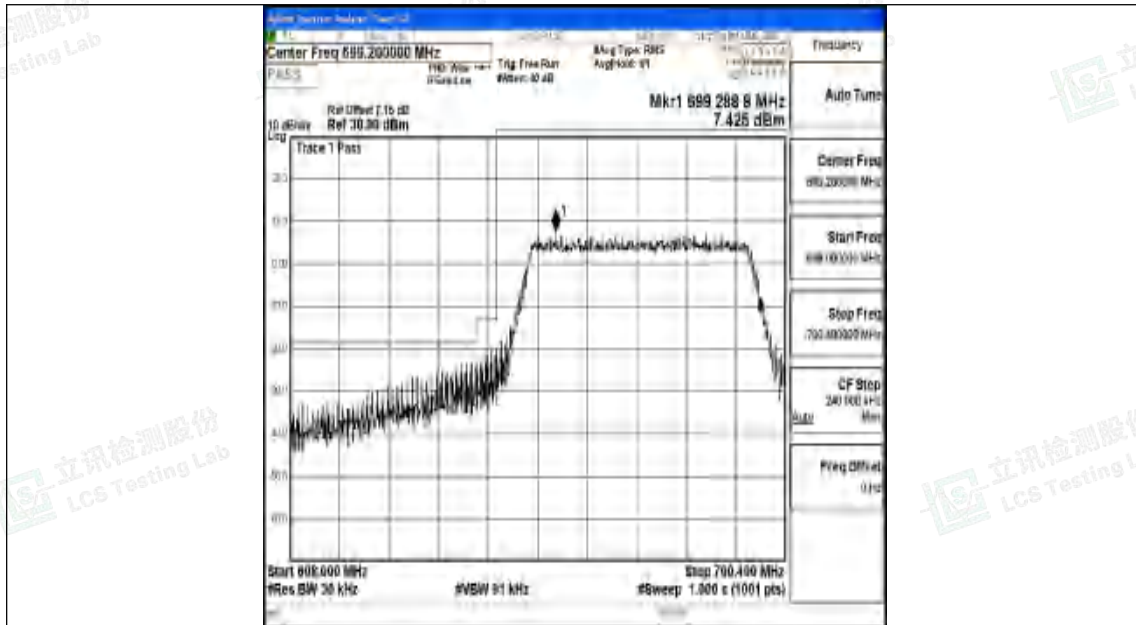
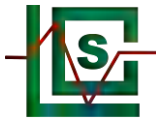
### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Peak Frequency | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|----------------|-------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | 698.90         | -20.27      | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | 698.83         | -23.58      | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 6RB#0            | 716.21         | -21.18      | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 6RB#0            | 716.11         | -22.12      | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 15RB#0           | 698.89         | -23.79      | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 15RB#0           | 698.89         | -26.24      | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 15RB#0           | 716.14         | -22.98      | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 15RB#0           | 716.10         | -25.84      | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 25RB#0           | 698.79         | -27.77      | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 25RB#0           | 698.86         | -28.37      | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 25RB#0           | 716.11         | -27.29      | PASS    |
| Band12 | 5MHz      | 16QAM      | 23155   | 25RB#0           | 716.12         | -25.78      | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0           | 698.88         | -34.93      | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 50RB#0           | 698.87         | -34.85      | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0           | 716.35         | -34.97      | PASS    |
| Band12 | 10MHz     | 16QAM      | 23130   | 50RB#0           | 716.21         | -35.29      | PASS    |

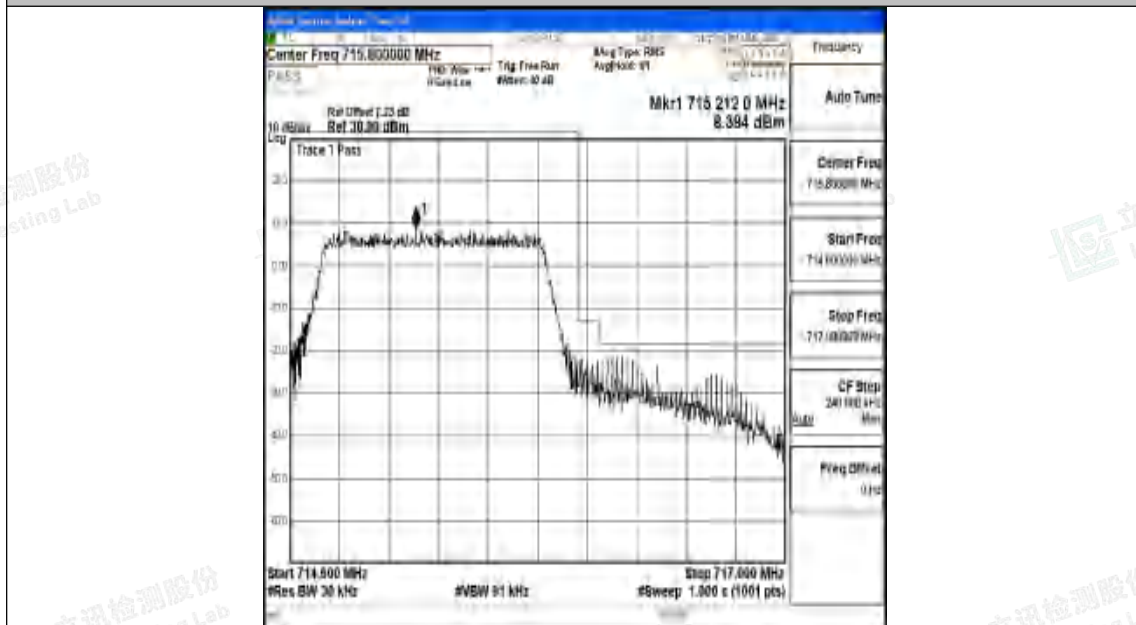
### Test Graphs



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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

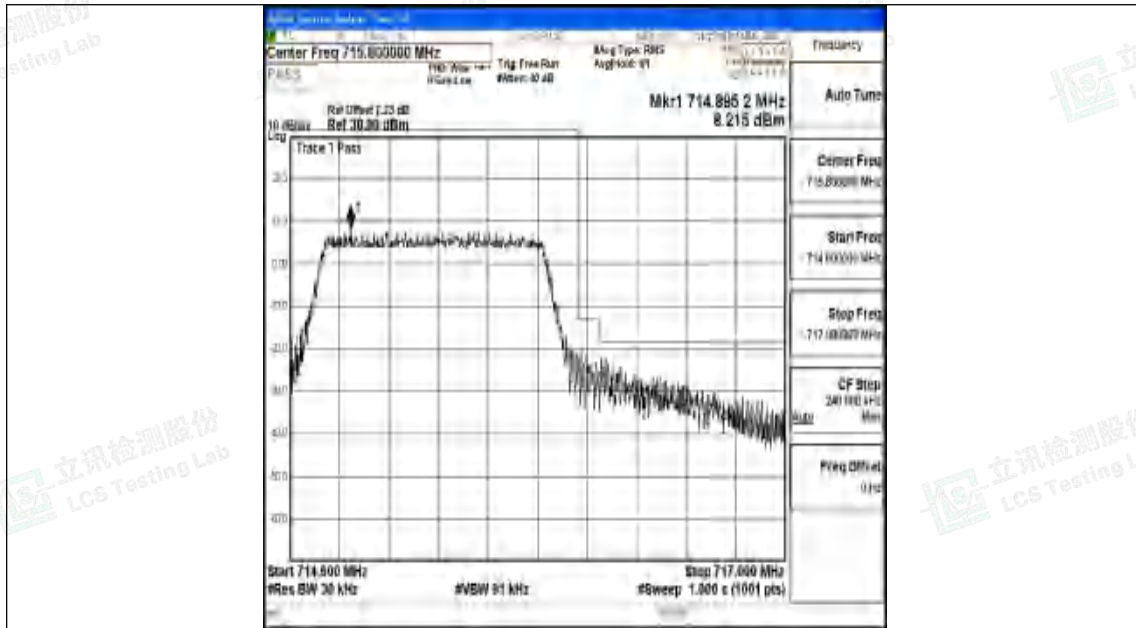
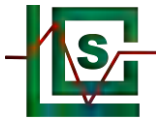


Band12\_1.4MHz\_16QAM\_23017\_6RB#0

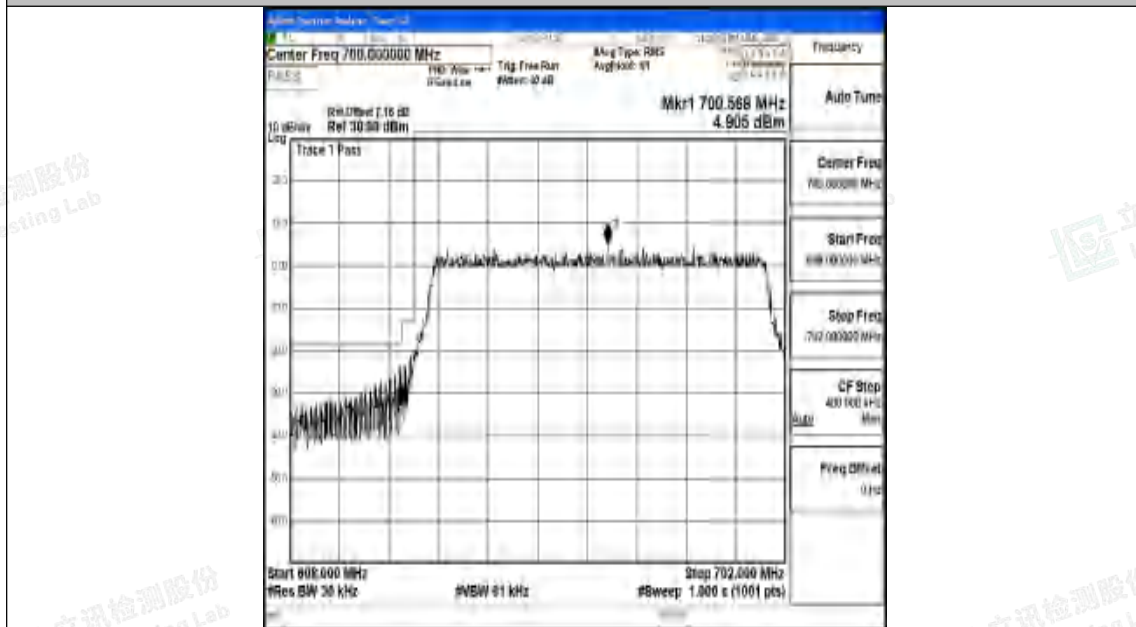


Band12\_1.4MHz\_QPSK\_23173\_6RB#0



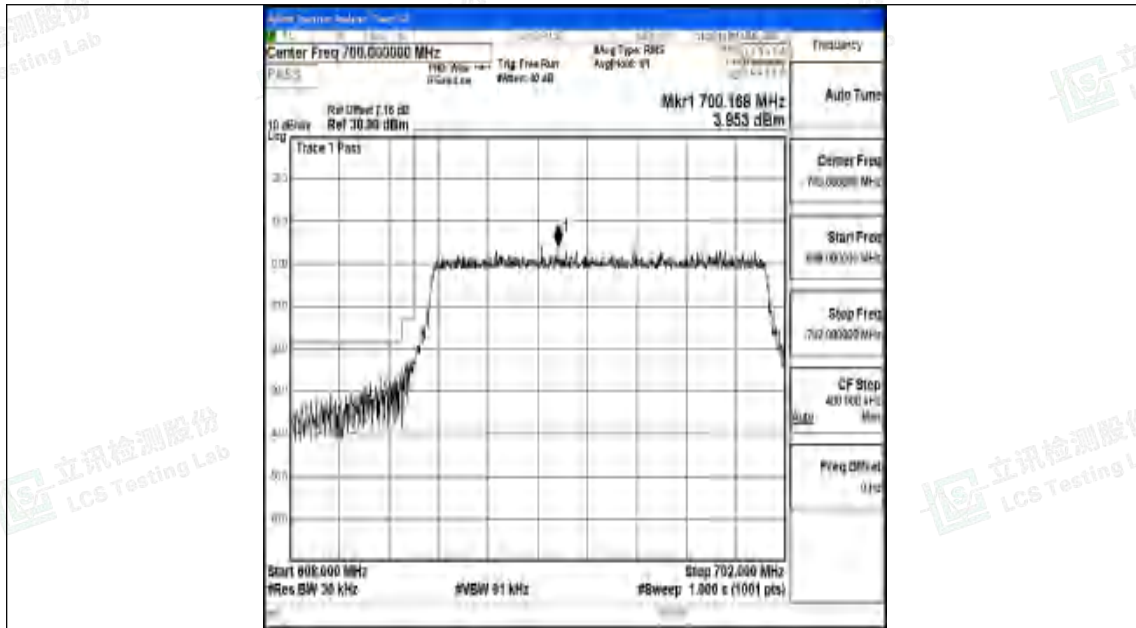
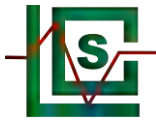


Band12\_1.4MHz\_16QAM\_23173\_6RB#0

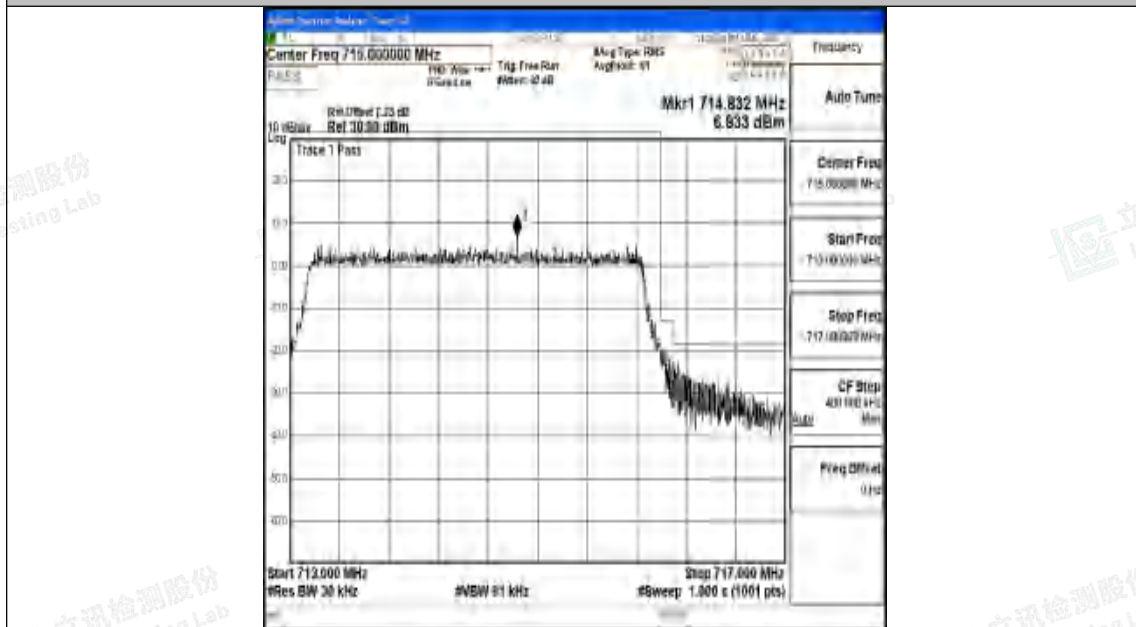


Band12\_3MHz\_QPSK\_23025\_15RB#0



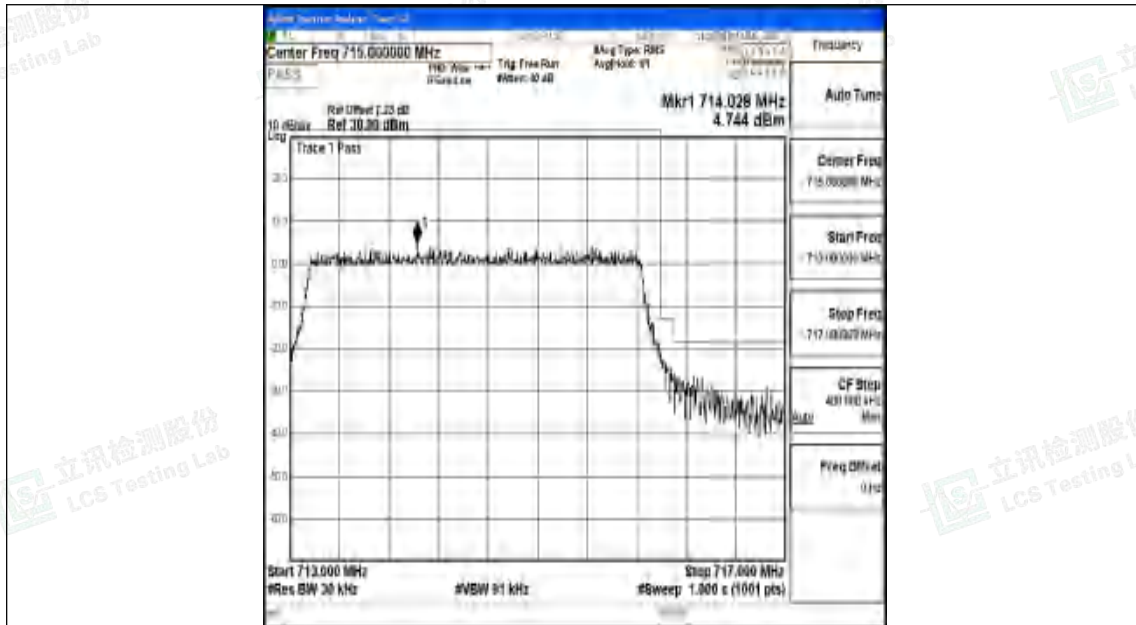
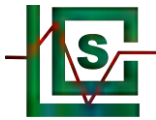


Band12\_3MHz\_16QAM\_23025\_15RB#0

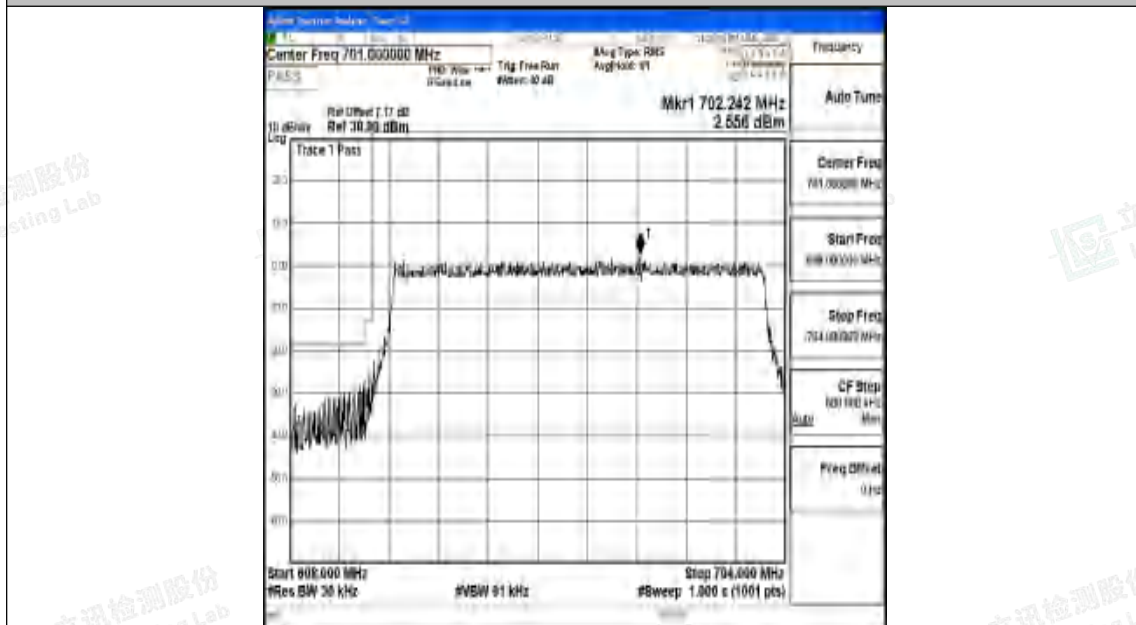


Band12\_3MHz\_QPSK\_23165\_15RB#0



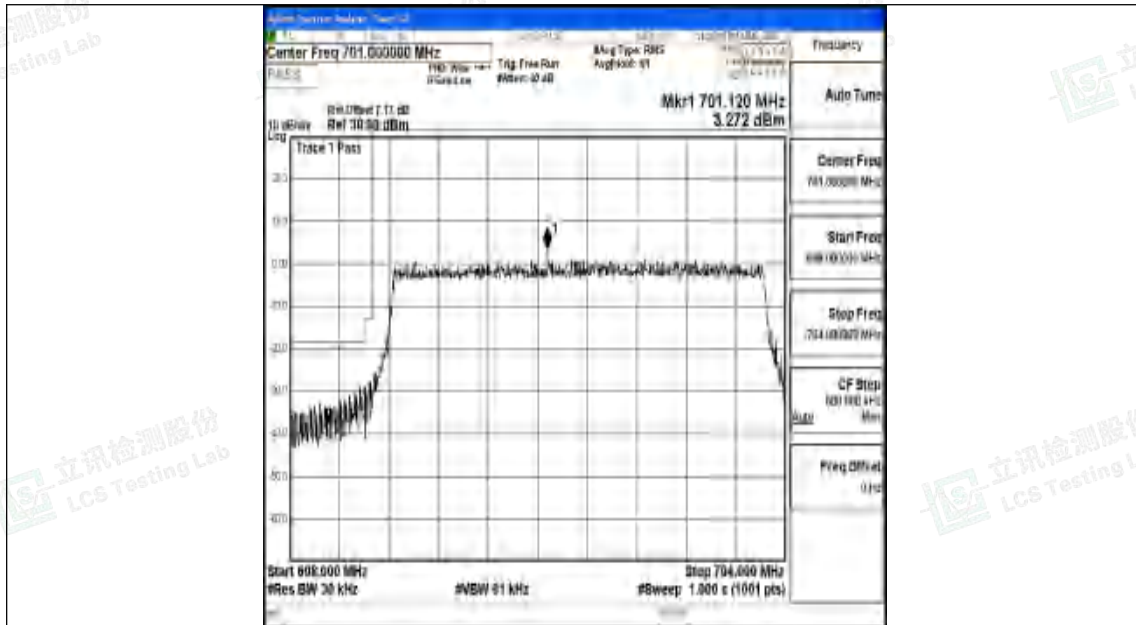
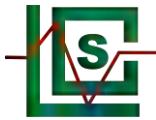


Band12\_3MHz\_16QAM\_23165\_15RB#0

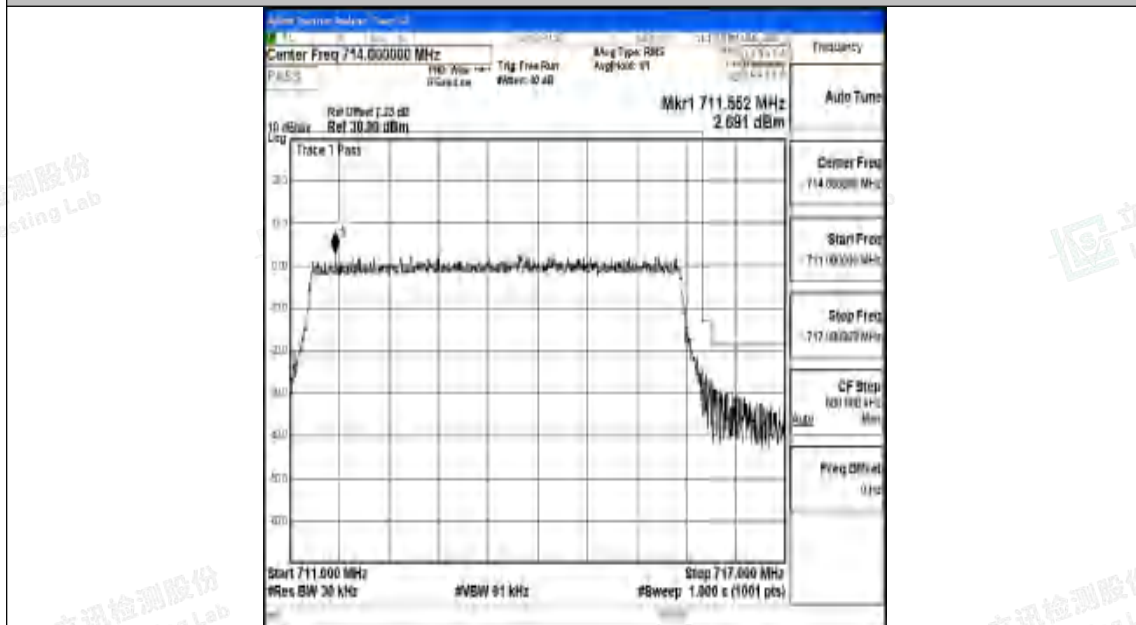


Band12\_5MHz\_QPSK\_23035\_25RB#0



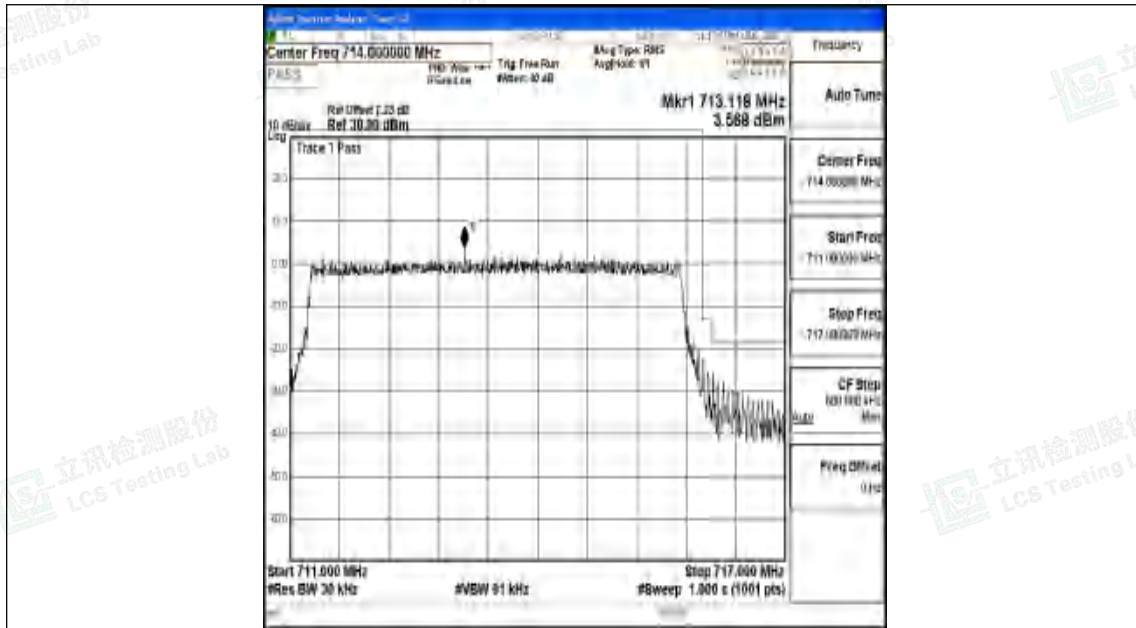
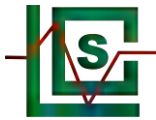


Band12\_5MHz\_16QAM\_23035\_25RB#0

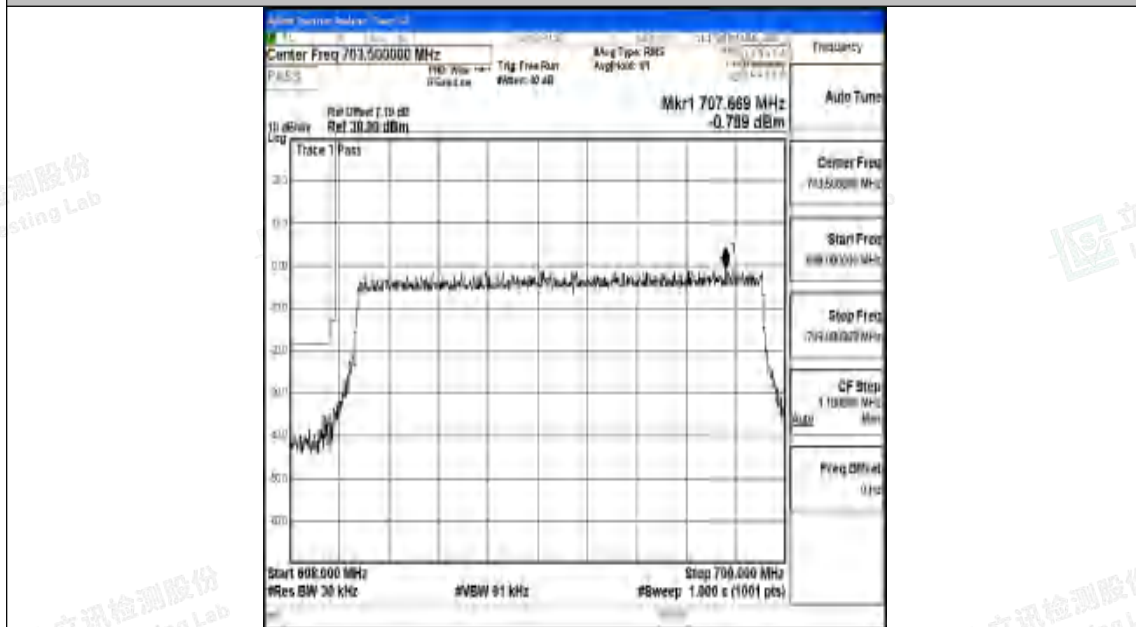


Band12\_5MHz\_QPSK\_23155\_25RB#0



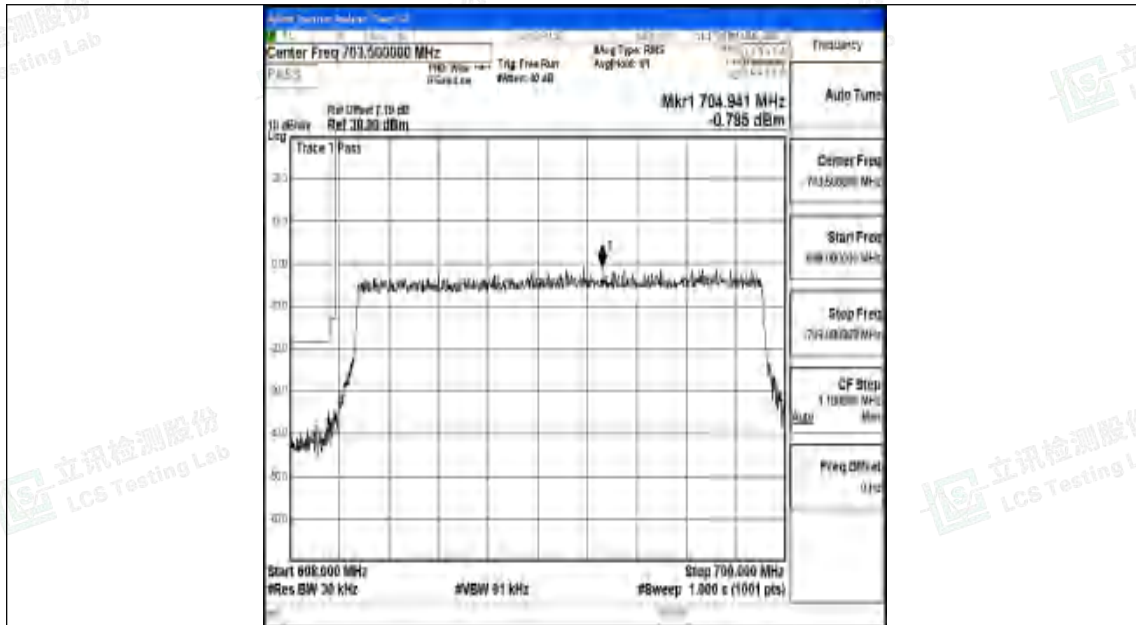
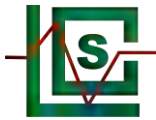


Band12\_5MHz\_16QAM\_23155\_25RB#0

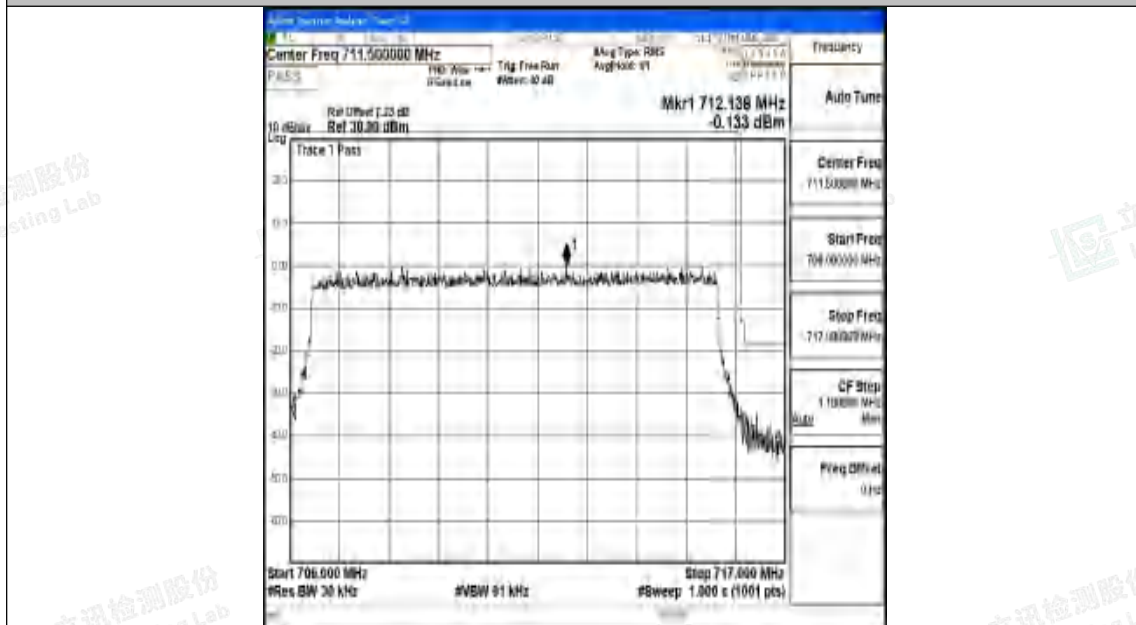


Band12\_10MHz\_QPSK\_23060\_50RB#0



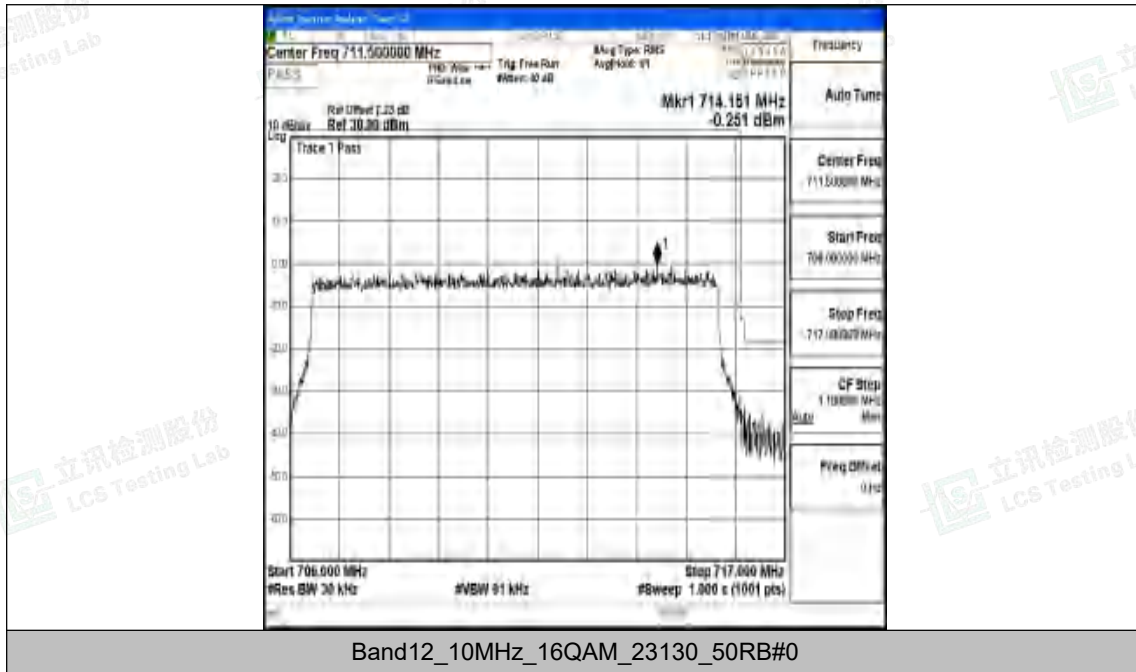
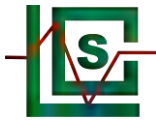


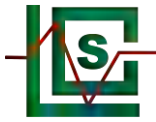
Band12\_10MHz\_16QAM\_23060\_50RB#0



Band12\_10MHz\_QPSK\_23130\_50RB#0







## E.5 Conducted Spurious Emission

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range | Result (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-----------------|--------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 0.009~0.15      | -58.26       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 0.15~30         | -47.62       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 30~1000         | -25.70       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 1000~3000       | -36.66       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 3000~10000      | -35.02       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 0.009~0.15      | -54.87       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 0.15~30         | -45.44       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 30~1000         | -26.17       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 1000~3000       | -36.90       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 3000~10000      | -34.76       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 0.009~0.15      | -56.60       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 0.15~30         | -47.64       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 30~1000         | -25.89       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 1000~3000       | -37.20       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 3000~10000      | -35.57       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 0.009~0.15      | -57.47       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 0.15~30         | -43.76       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 30~1000         | -20.59       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 1000~3000       | -35.94       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 3000~10000      | -34.29       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 0.009~0.15      | -53.43       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 0.15~30         | -46.31       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 30~1000         | -26.15       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 1000~3000       | -35.41       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 3000~10000      | -35.08       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 0.009~0.15      | -56.66       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 0.15~30         | -46.24       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 30~1000         | -27.04       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 1000~3000       | -36.50       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 3000~10000      | -34.76       | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 0.009~0.15      | -57.05       | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 0.15~30         | -46.30       | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 30~1000         | -29.30       | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 1000~3000       | -36.34       | PASS    |



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|        |      |       |       |       |            |        |      |
|--------|------|-------|-------|-------|------------|--------|------|
| Band12 | 3MHz | QPSK  | 23025 | 1RB#0 | 3000~10000 | -35.00 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 0.009~0.15 | -57.03 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 0.15~30    | -47.74 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 30~1000    | -27.47 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 1000~3000  | -38.27 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 3000~10000 | -35.61 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 1RB#0 | 0.009~0.15 | -54.79 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 1RB#0 | 0.15~30    | -44.06 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 1RB#0 | 30~1000    | -30.35 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 1RB#0 | 1000~3000  | -37.22 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 1RB#0 | 3000~10000 | -35.37 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 0.009~0.15 | -57.03 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 0.15~30    | -46.04 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 30~1000    | -26.69 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 1000~3000  | -37.48 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 3000~10000 | -35.66 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 0.009~0.15 | -57.36 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 0.15~30    | -42.62 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 30~1000    | -30.11 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 1000~3000  | -36.83 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 3000~10000 | -35.42 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 0.009~0.15 | -59.28 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 0.15~30    | -48.56 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 30~1000    | -31.44 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 1000~3000  | -35.28 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 3000~10000 | -34.16 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 0.009~0.15 | -57.34 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 0.15~30    | -44.88 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 30~1000    | -40.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 1000~3000  | -36.91 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 3000~10000 | -35.76 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 0.009~0.15 | -52.92 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 0.15~30    | -47.52 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 30~1000    | -39.09 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 1000~3000  | -38.08 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 3000~10000 | -35.11 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0 | 0.009~0.15 | -57.11 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0 | 0.15~30    | -47.59 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0 | 30~1000    | -38.50 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0 | 1000~3000  | -36.97 | PASS |



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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



|        |       |       |       |       |            |        |      |
|--------|-------|-------|-------|-------|------------|--------|------|
| Band12 | 5MHz  | QPSK  | 23095 | 1RB#0 | 3000~10000 | -35.08 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 1RB#0 | 0.009~0.15 | -57.95 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 1RB#0 | 0.15~30    | -45.89 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 1RB#0 | 30~1000    | -40.88 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 1RB#0 | 1000~3000  | -38.96 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 1RB#0 | 3000~10000 | -34.83 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 1RB#0 | 0.009~0.15 | -57.90 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 1RB#0 | 0.15~30    | -45.44 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 1RB#0 | 30~1000    | -39.55 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 1RB#0 | 1000~3000  | -35.96 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 1RB#0 | 3000~10000 | -35.04 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0 | 0.009~0.15 | -57.00 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0 | 0.15~30    | -43.63 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0 | 30~1000    | -45.34 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0 | 1000~3000  | -37.07 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0 | 3000~10000 | -34.26 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0 | 0.009~0.15 | -58.97 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0 | 0.15~30    | -45.54 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0 | 30~1000    | -52.17 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0 | 1000~3000  | -36.96 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0 | 3000~10000 | -34.69 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 0.009~0.15 | -56.31 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 0.15~30    | -47.71 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 30~1000    | -52.88 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 1000~3000  | -36.97 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 3000~10000 | -34.94 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0 | 0.009~0.15 | -56.78 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0 | 0.15~30    | -47.93 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0 | 30~1000    | -51.80 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0 | 1000~3000  | -35.44 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0 | 3000~10000 | -35.21 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 0.009~0.15 | -58.08 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 0.15~30    | -45.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 30~1000    | -52.00 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 1000~3000  | -37.90 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 3000~10000 | -35.39 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0 | 0.009~0.15 | -56.69 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0 | 0.15~30    | -44.69 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0 | 30~1000    | -52.45 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0 | 1000~3000  | -37.10 | PASS |

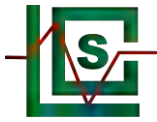


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Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

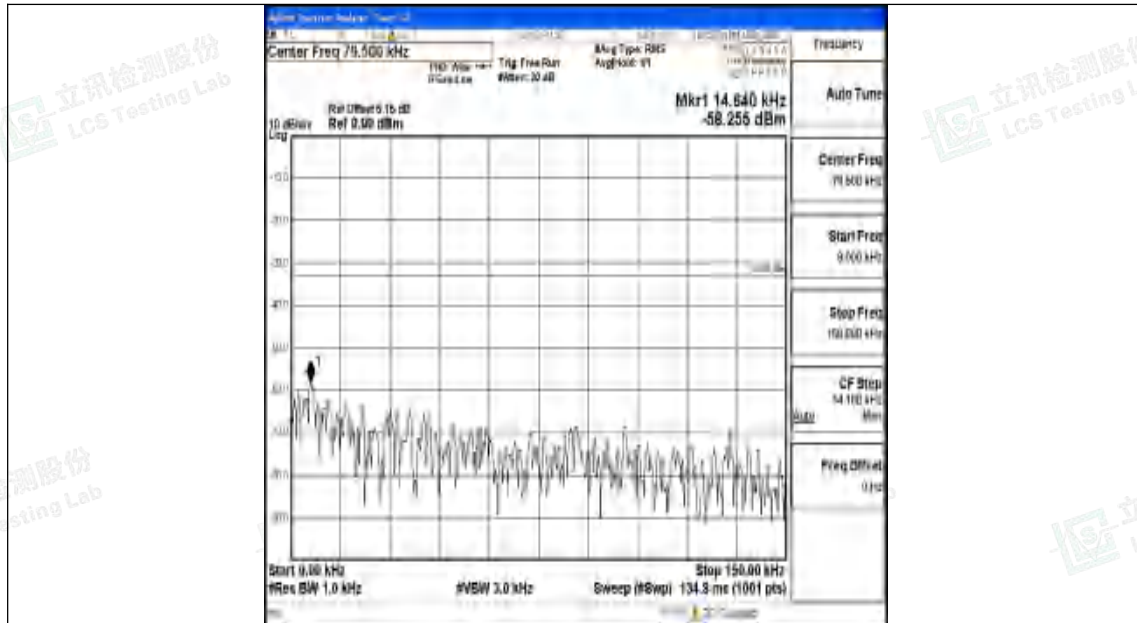
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

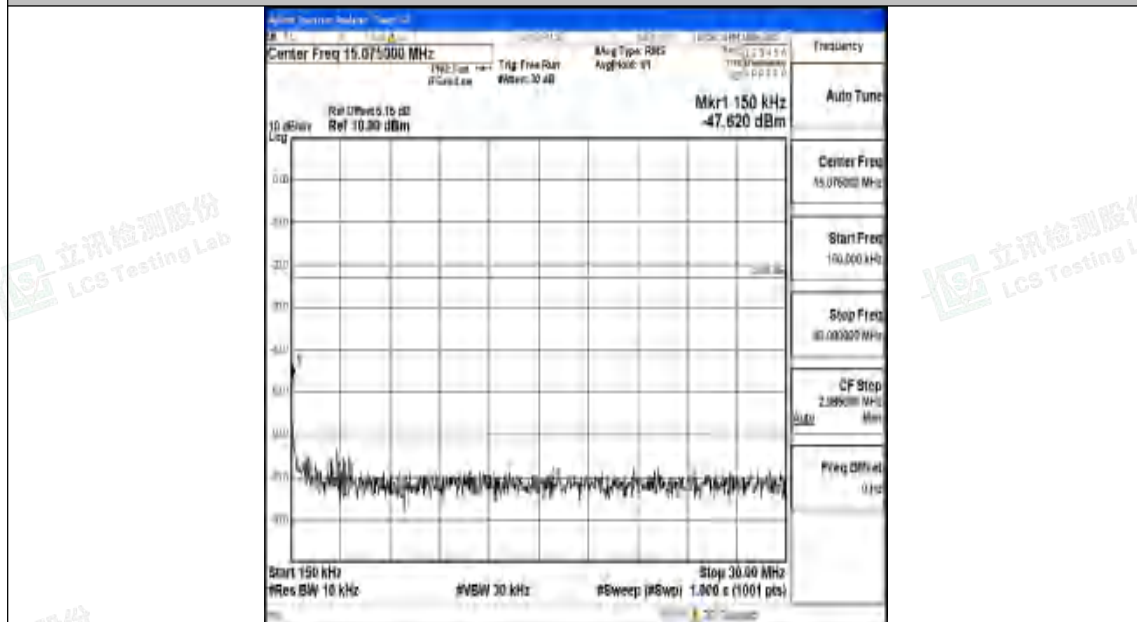


|        |       |       |       |       |            |        |      |
|--------|-------|-------|-------|-------|------------|--------|------|
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0 | 3000~10000 | -35.44 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 0.009~0.15 | -52.69 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 0.15~30    | -46.33 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 30~1000    | -52.79 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 1000~3000  | -38.22 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 3000~10000 | -35.36 | PASS |

## Test Graphs

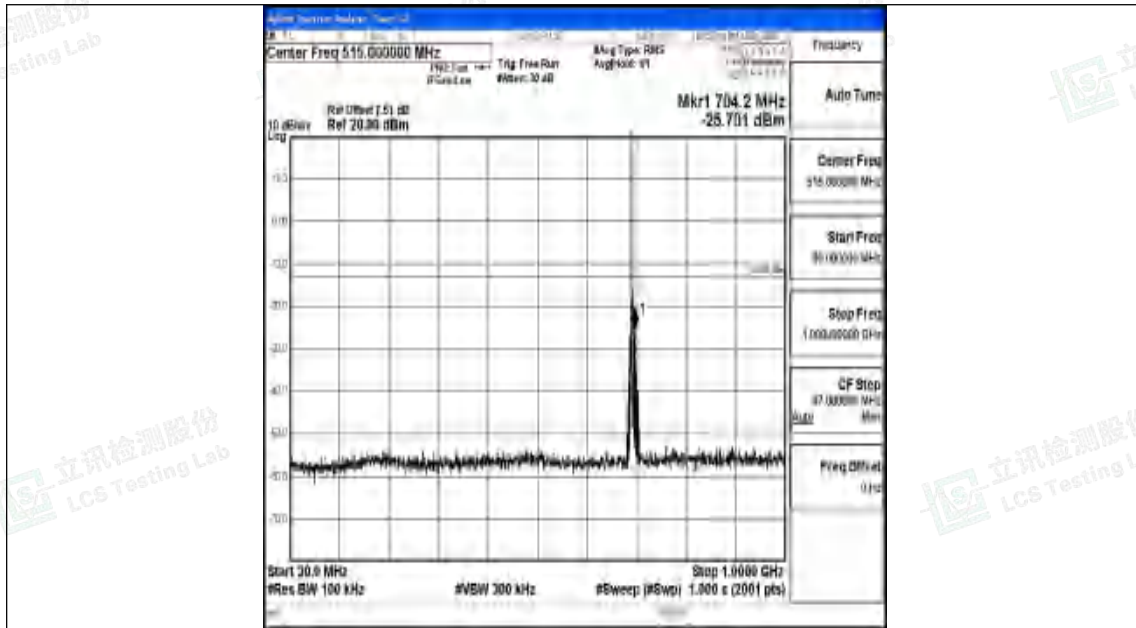
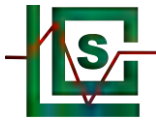


Band12\_1.4MHz\_QPSK\_23017\_1RB#0\_0.009~0.15\_0.009~0.15

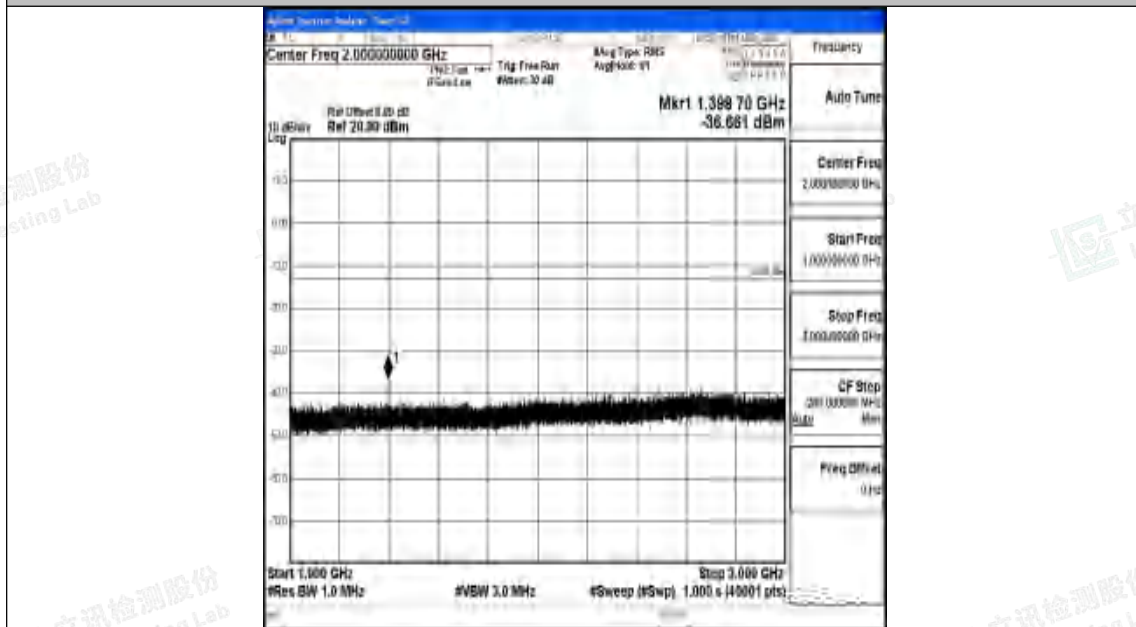


Band12\_1.4MHz\_QPSK\_23017\_1RB#0\_0.15~30\_0.15~30



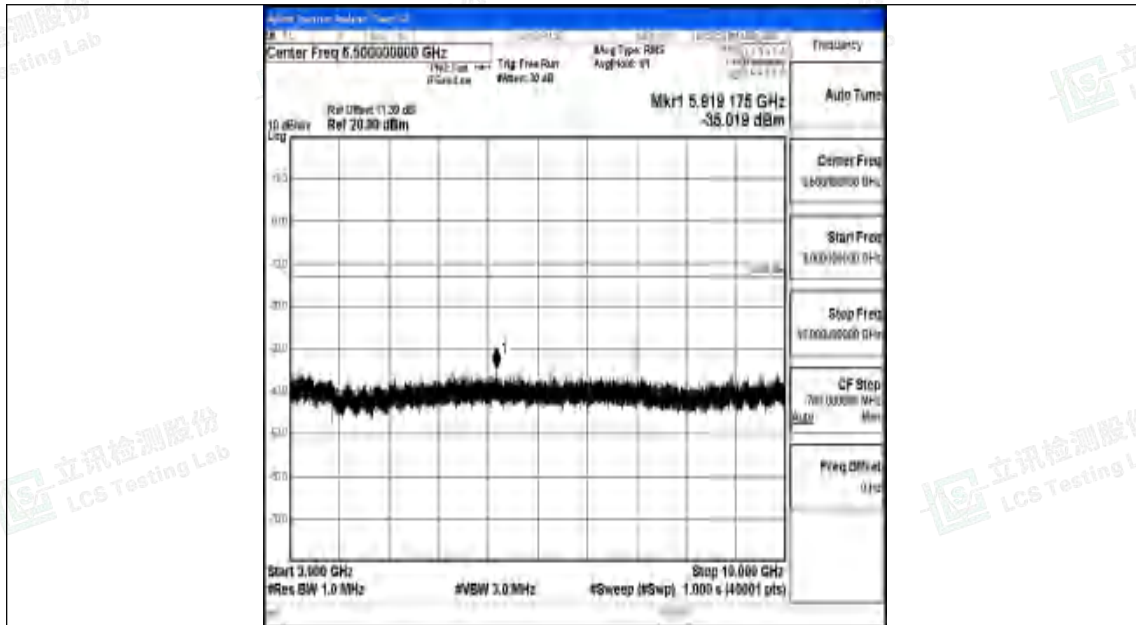
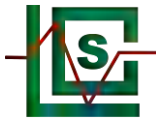


Band12\_1.4MHz\_QPSK\_23017\_1RB#0\_30~1000\_30~1000

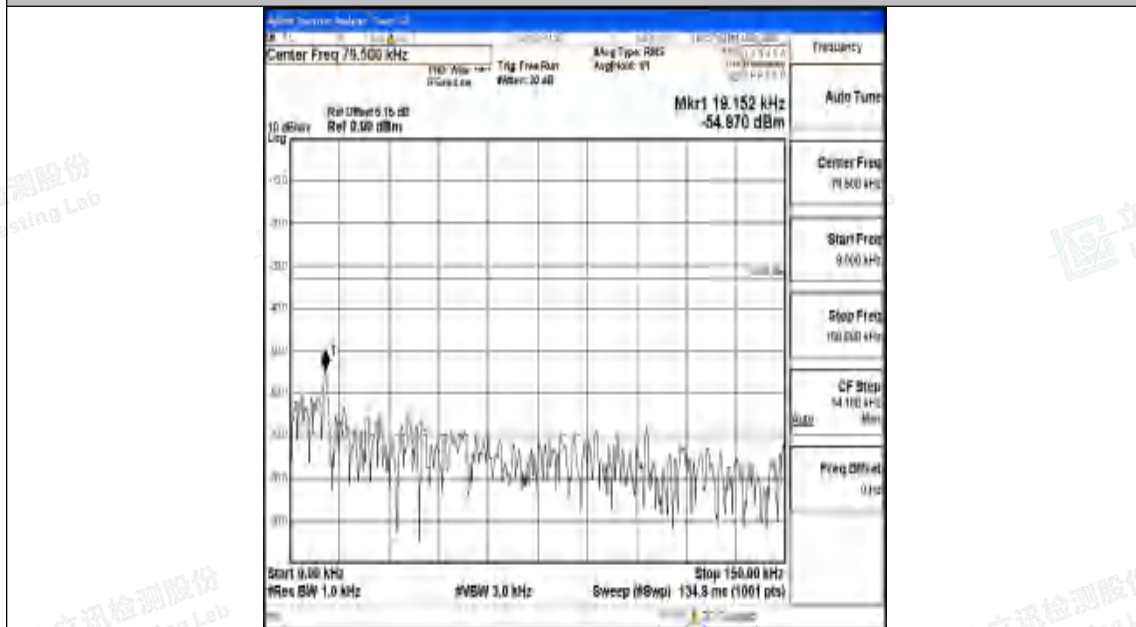


Band12\_1.4MHz\_QPSK\_23017\_1RB#0\_1000~3000\_1000~3000



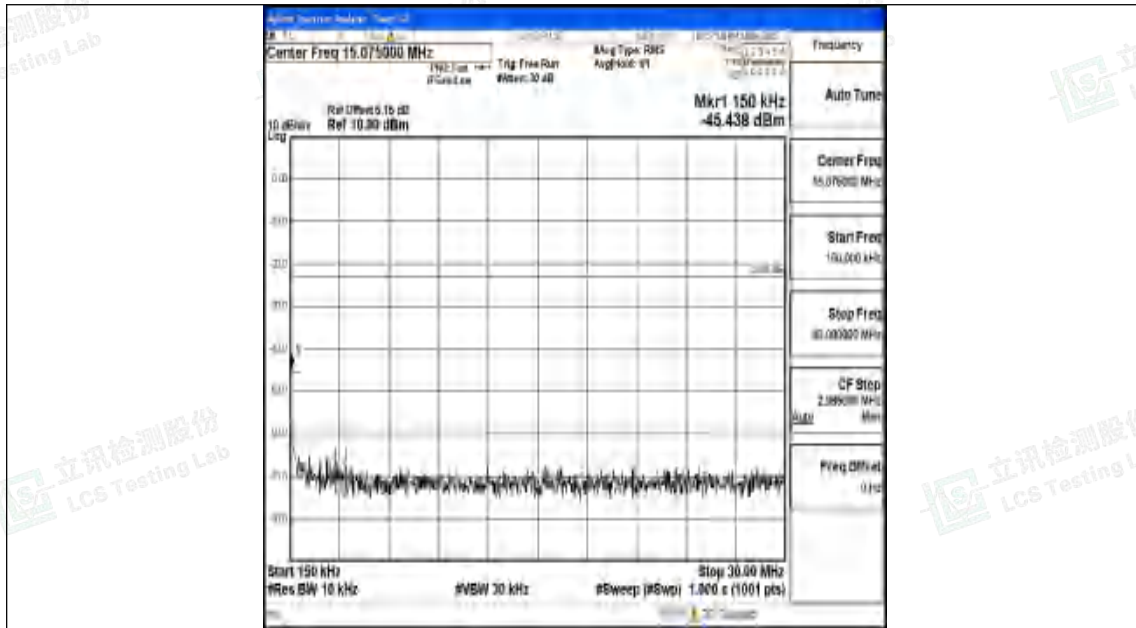
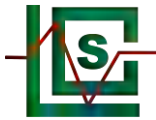


Band12\_1.4MHz\_QPSK\_23017\_1RB#0\_3000~10000\_3000~10000

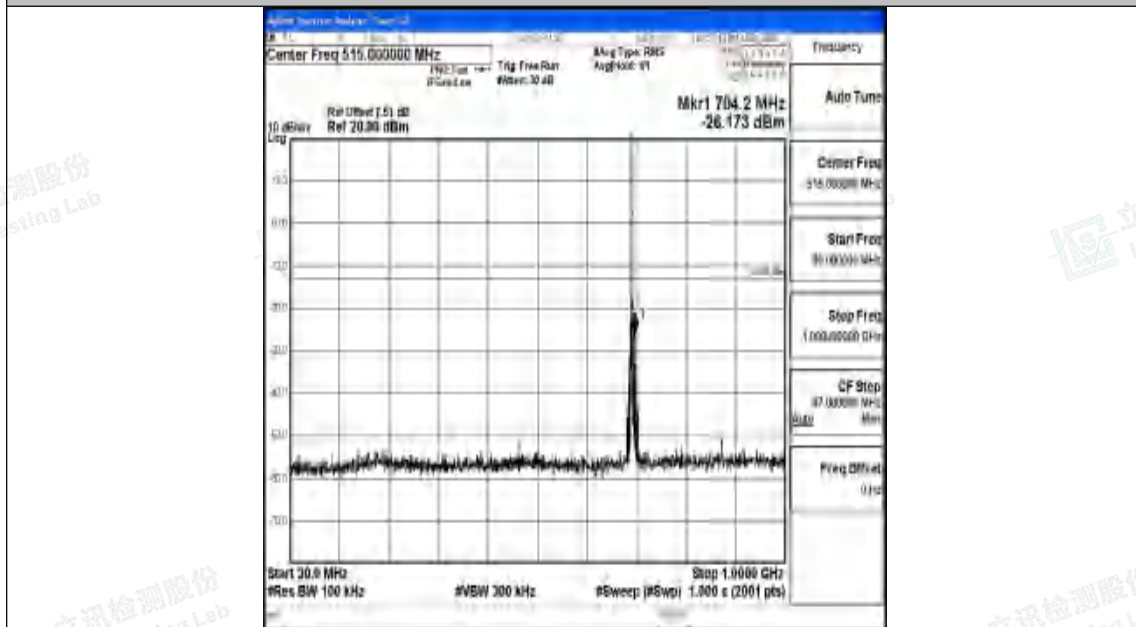


Band12\_1.4MHz\_16QAM\_23017\_1RB#0\_0.009~0.15\_0.009~0.15



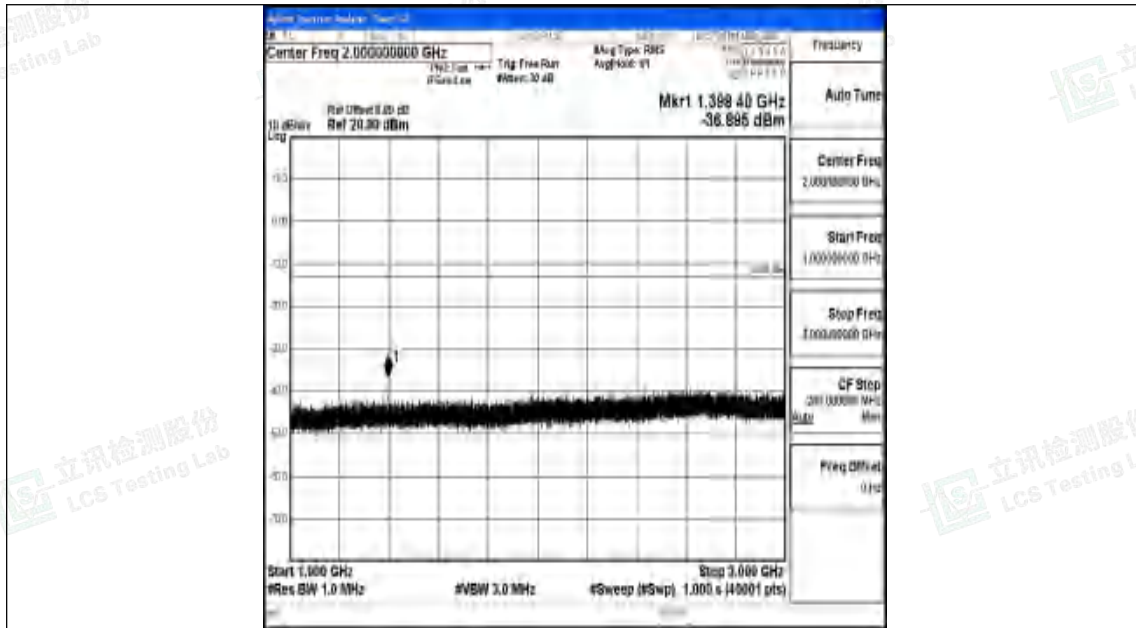
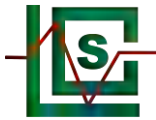


Band12\_1.4MHz\_16QAM\_23017\_1RB#0\_0.15~30\_0.15~30

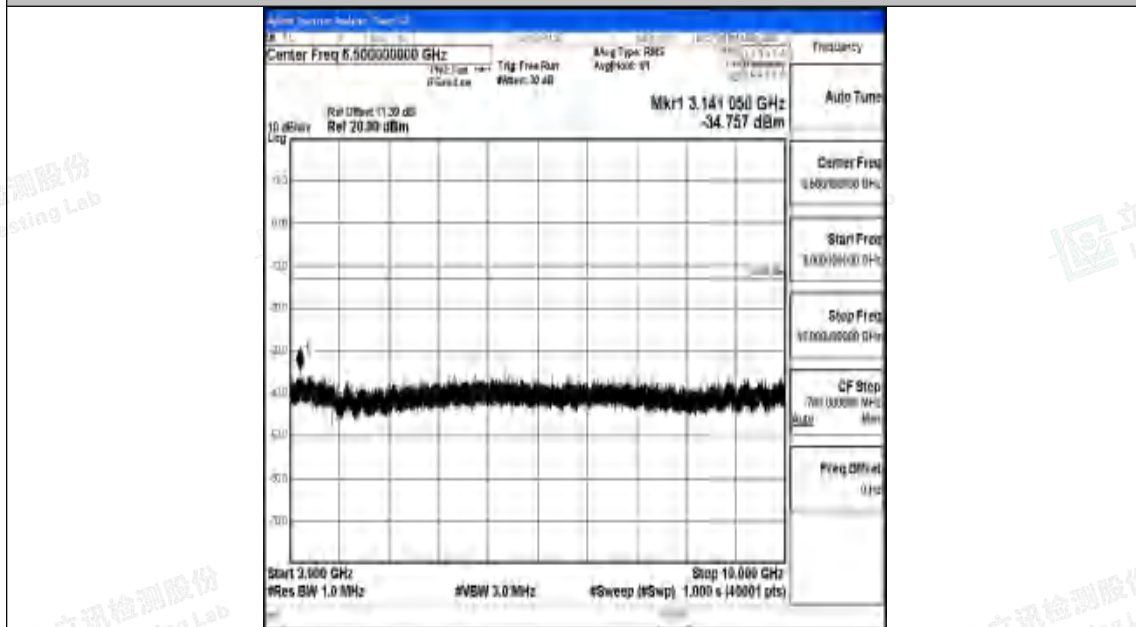


Band12\_1.4MHz\_16QAM\_23017\_1RB#0\_30~1000\_30~1000



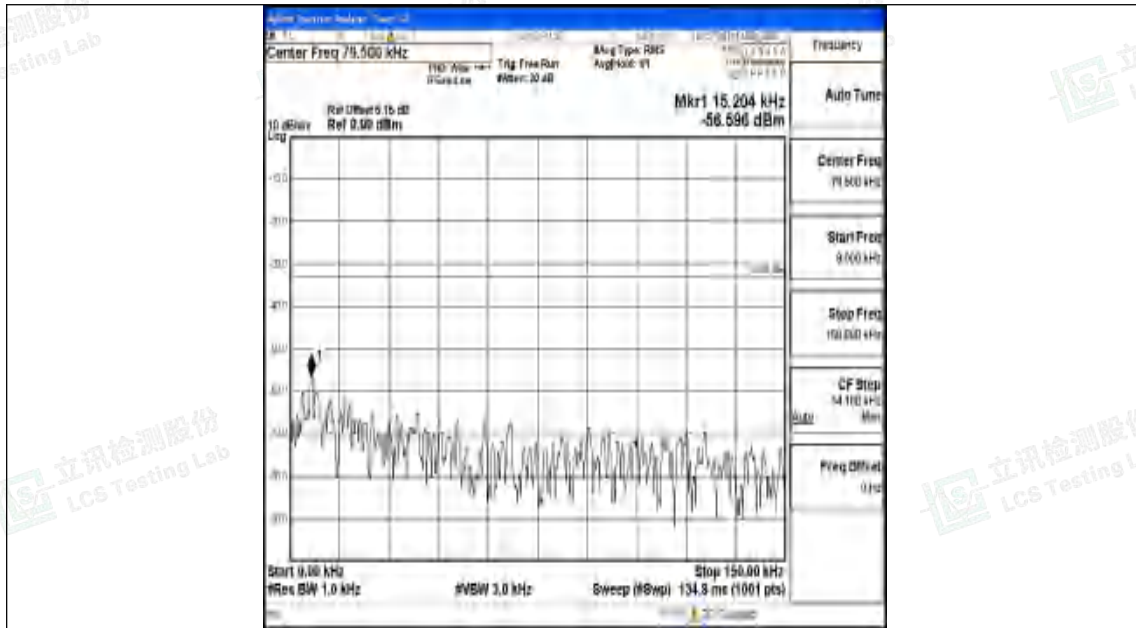
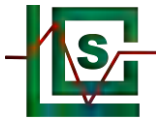


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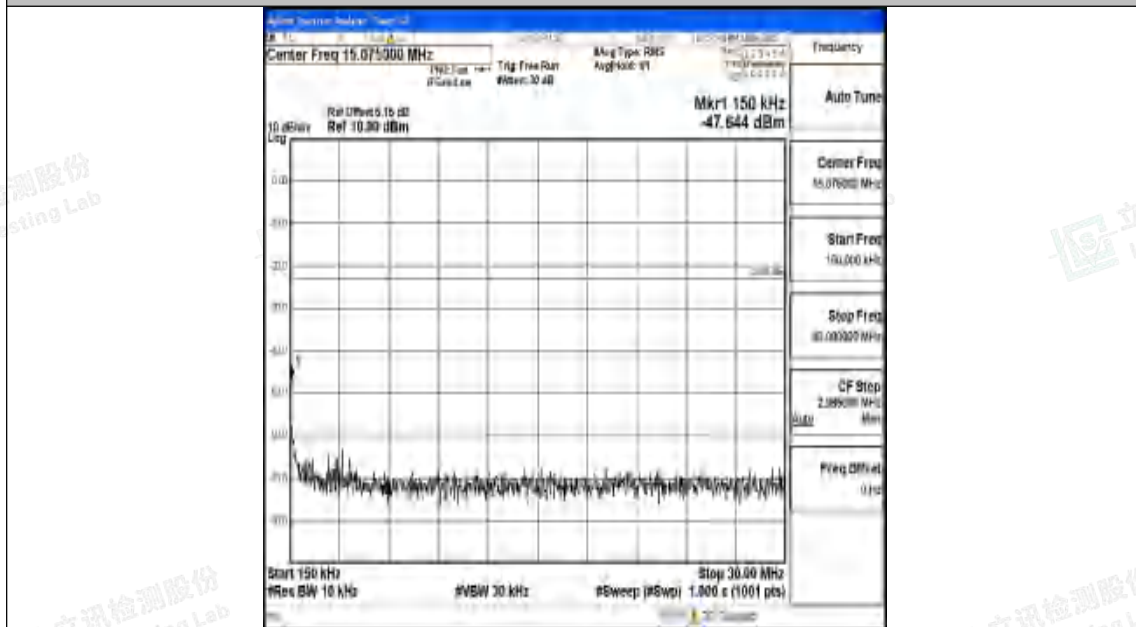


Band12\_1.4MHz\_16QAM\_23017\_1RB#0\_3000~10000\_3000~10000



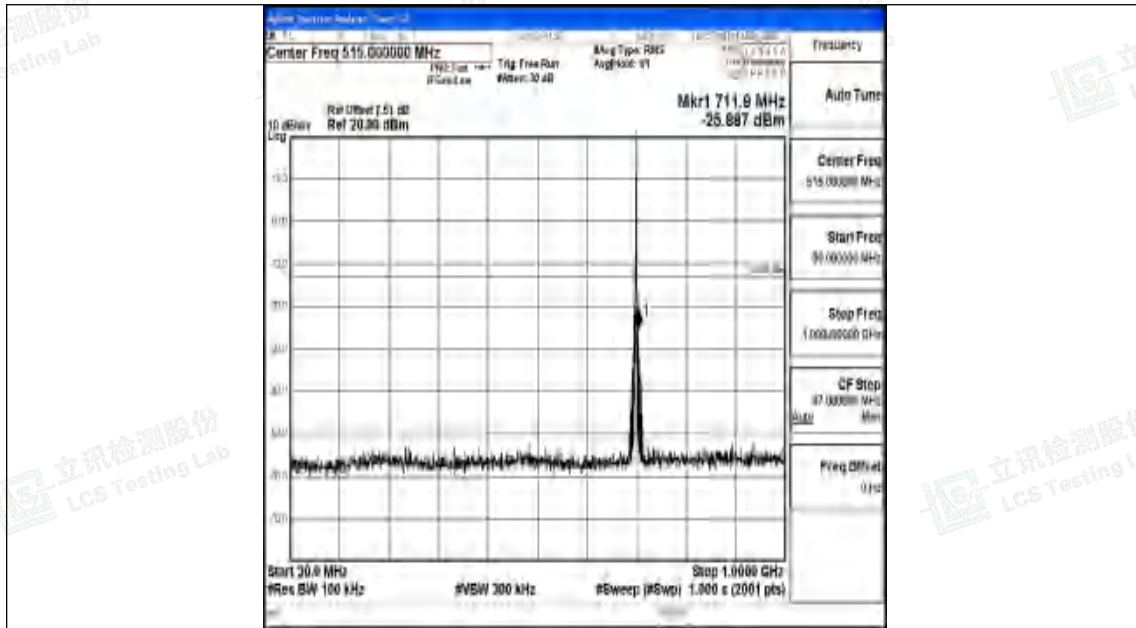
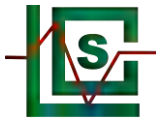


Band12\_1.4MHz\_QPSK\_23095\_1RB#0\_0.009~0.15\_0.009~0.15

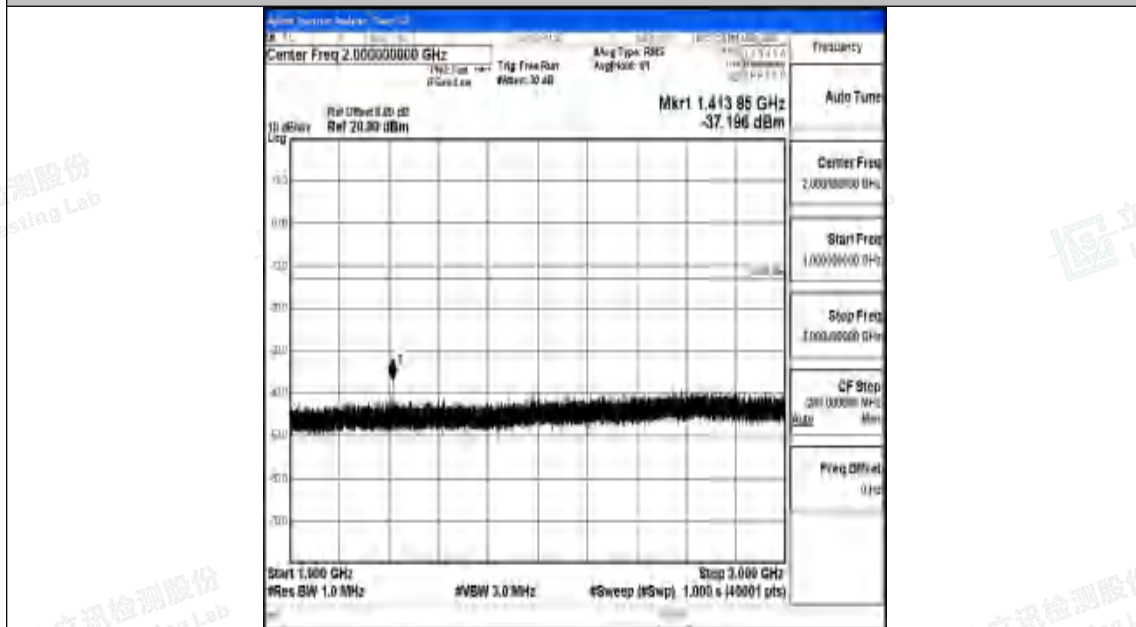


Band12\_1.4MHz\_QPSK\_23095\_1RB#0\_0.15~30\_0.15~30



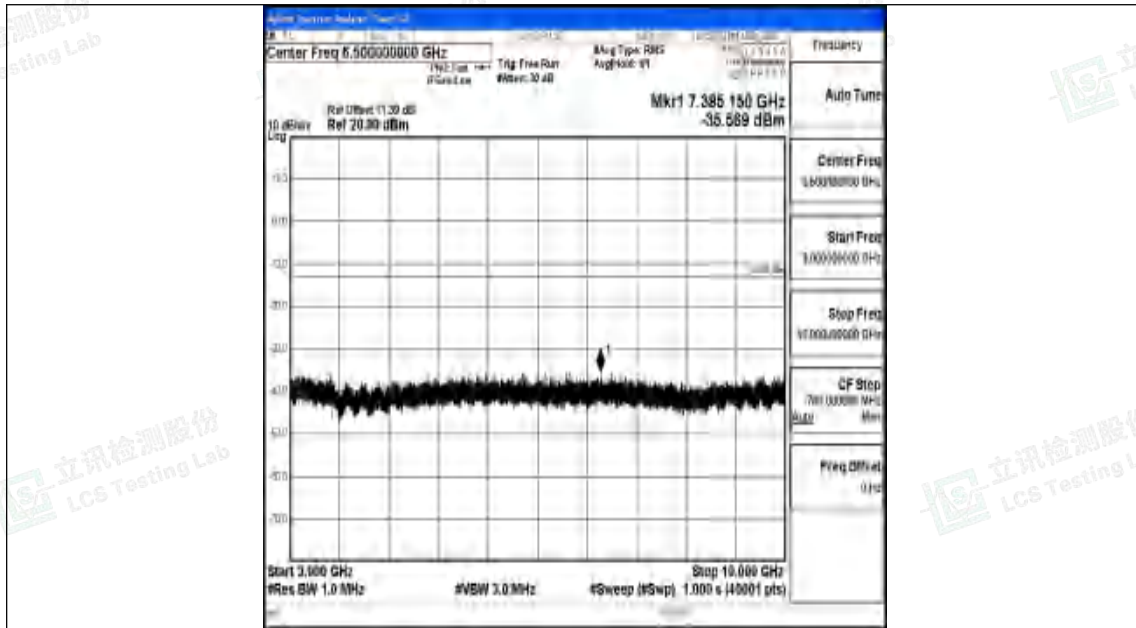
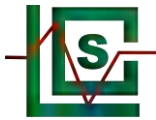


Band12\_1.4MHz\_QPSK\_23095\_1RB#0\_30~1000\_30~1000

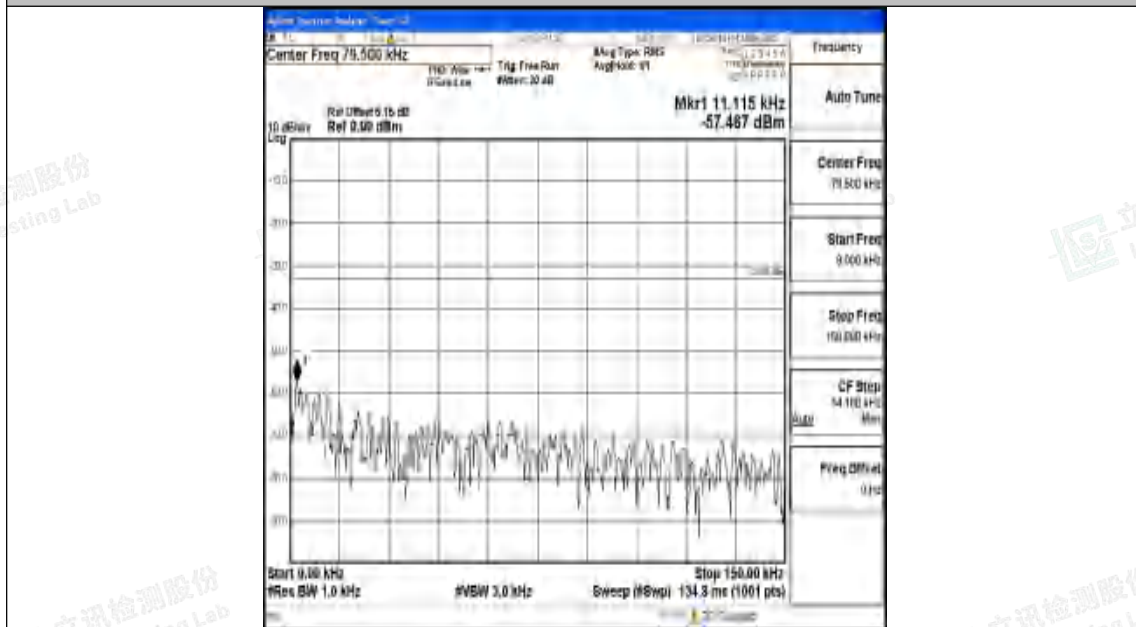


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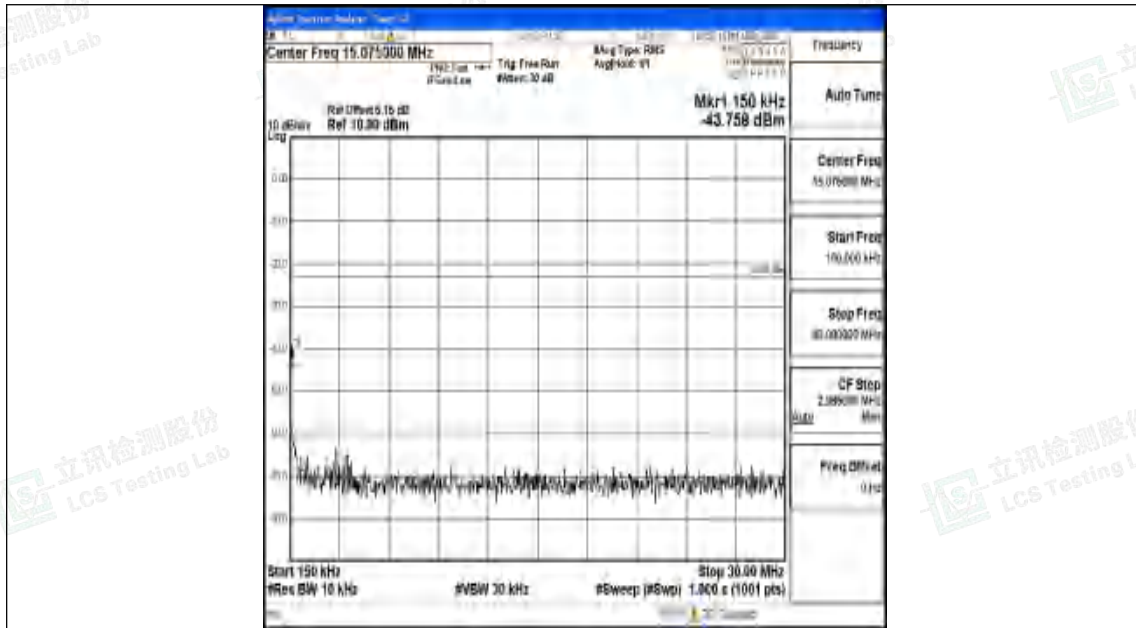
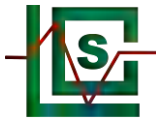


Band12\_1.4MHz\_QPSK\_23095\_1RB#0\_3000~10000\_3000~10000

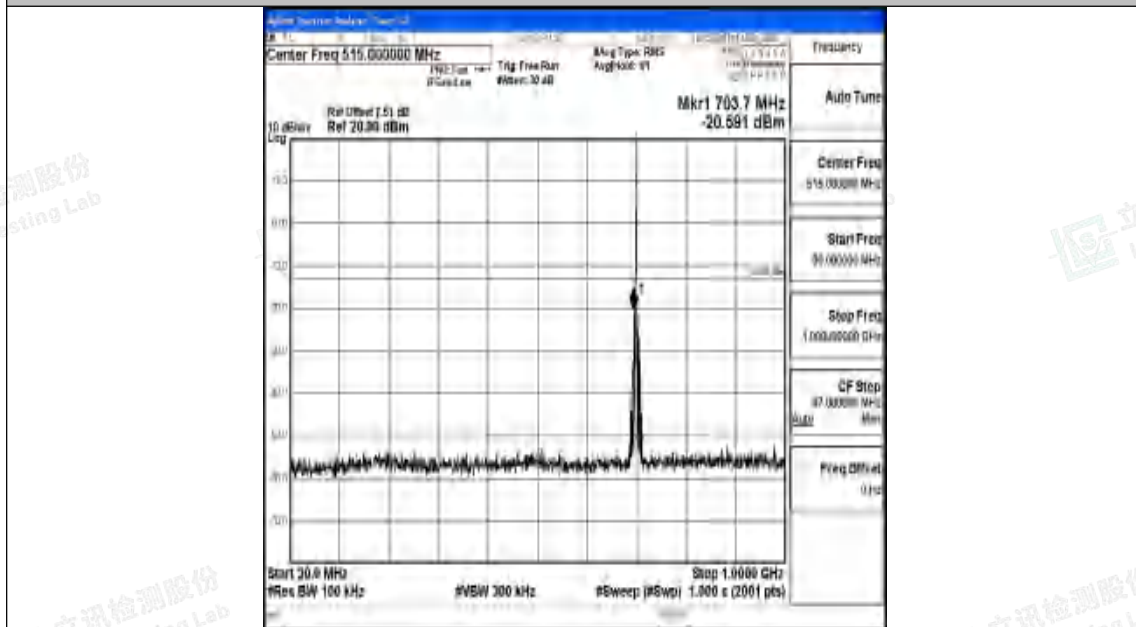


Band12\_1.4MHz\_16QAM\_23095\_1RB#0\_0.009~0.15\_0.009~0.15



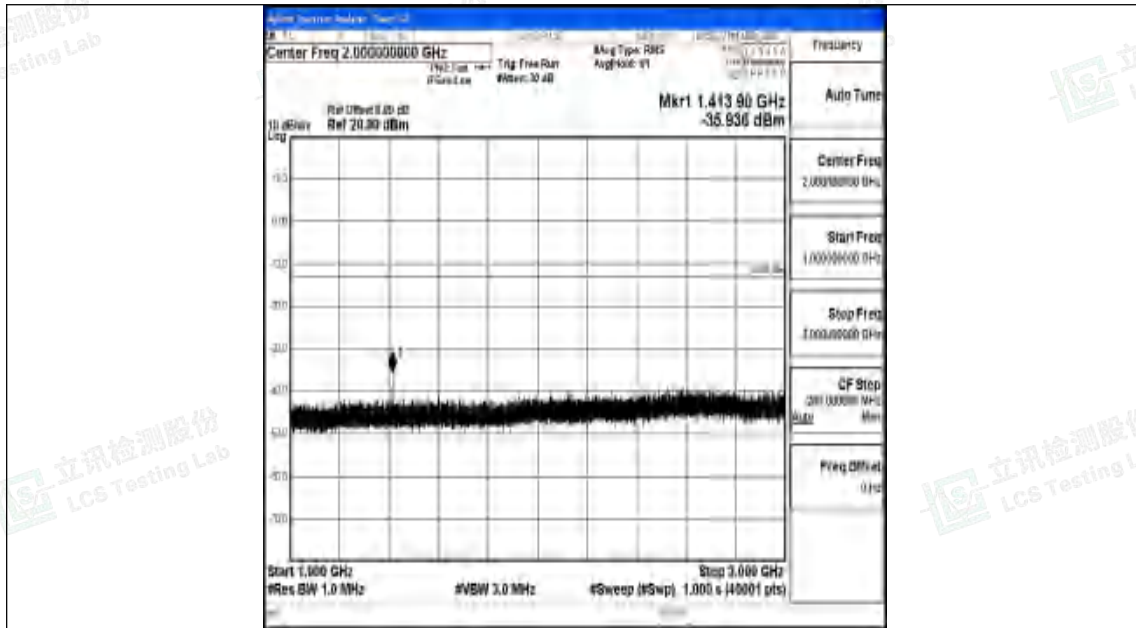
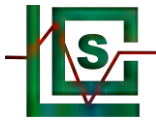


Band12\_1.4MHz\_16QAM\_23095\_1RB#0\_0.15~30\_0.15~30

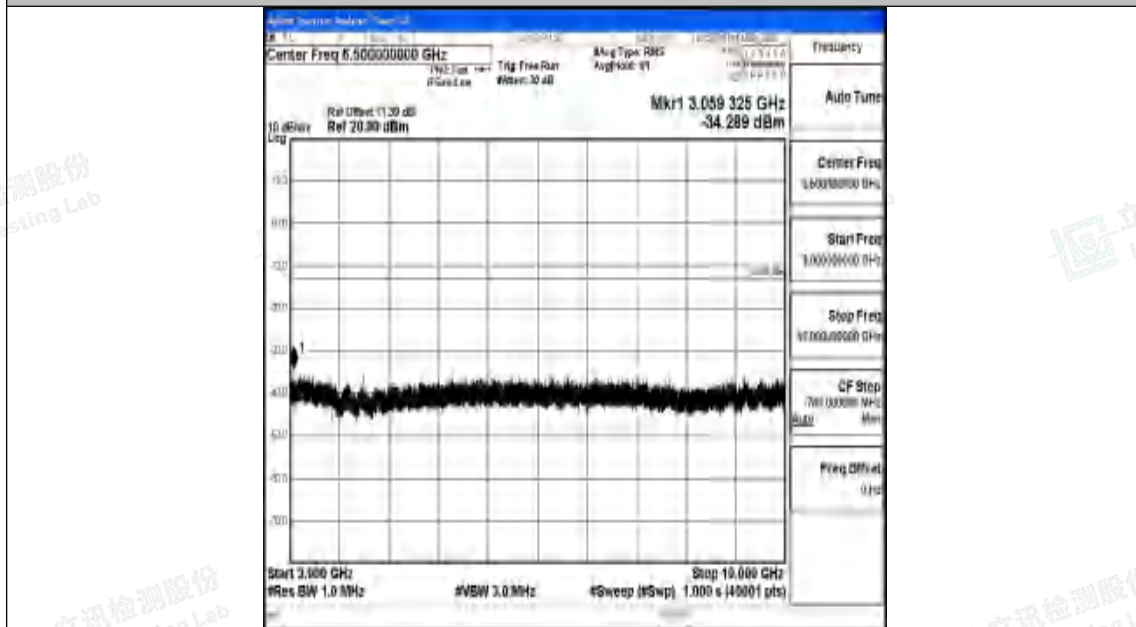


Band12\_1.4MHz\_16QAM\_23095\_1RB#0\_30~1000\_30~1000



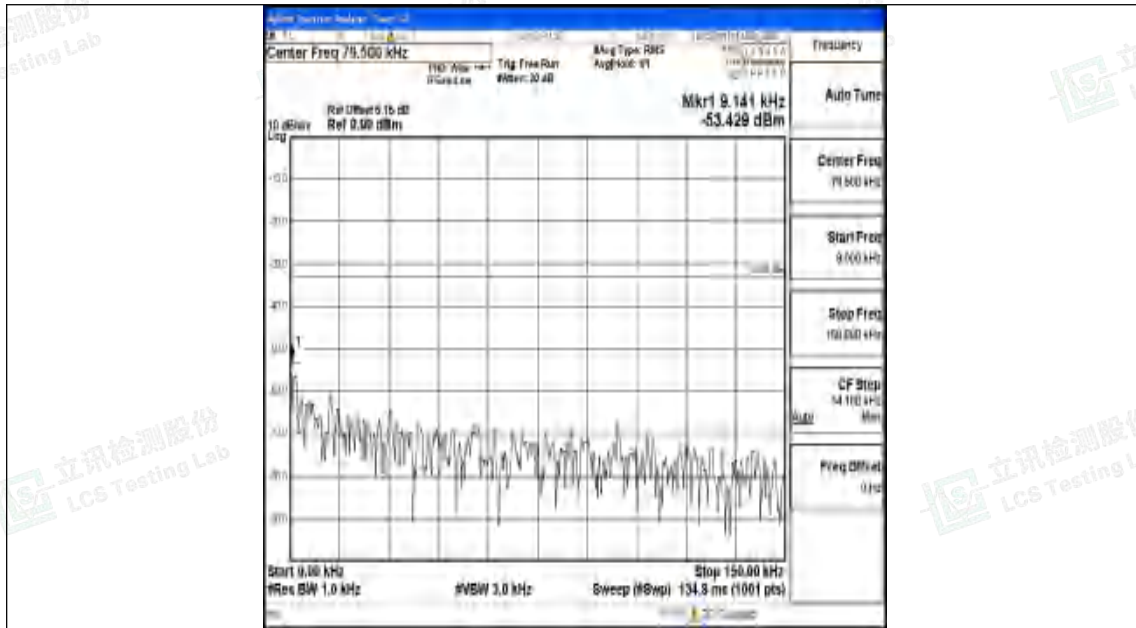
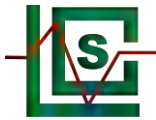


Band12\_1.4MHz\_16QAM\_23095\_1RB#0\_1000~3000\_1000~3000

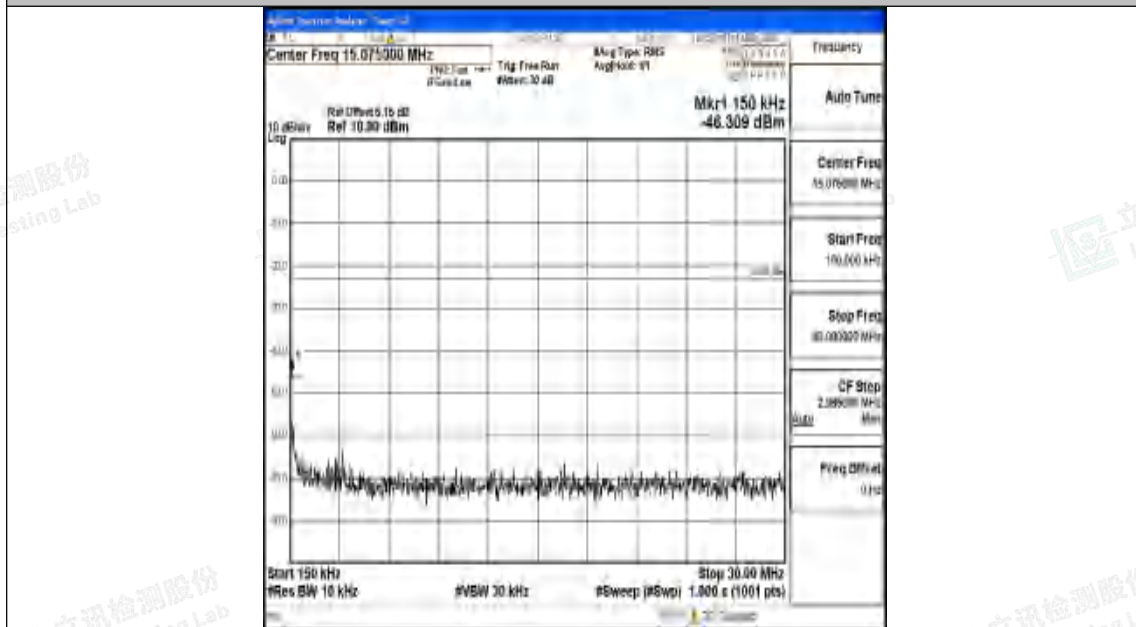


Band12\_1.4MHz\_16QAM\_23095\_1RB#0\_3000~10000\_3000~10000



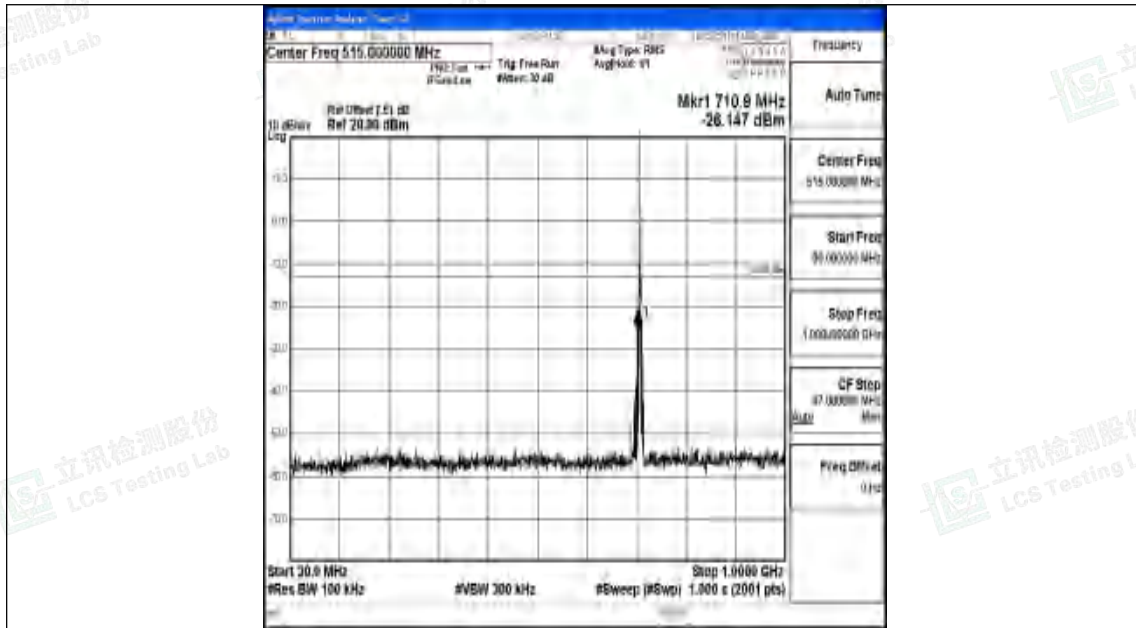
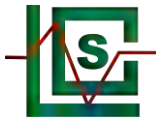


Band12\_1.4MHz\_QPSK\_23173\_1RB#0\_0.009~0.15\_0.009~0.15

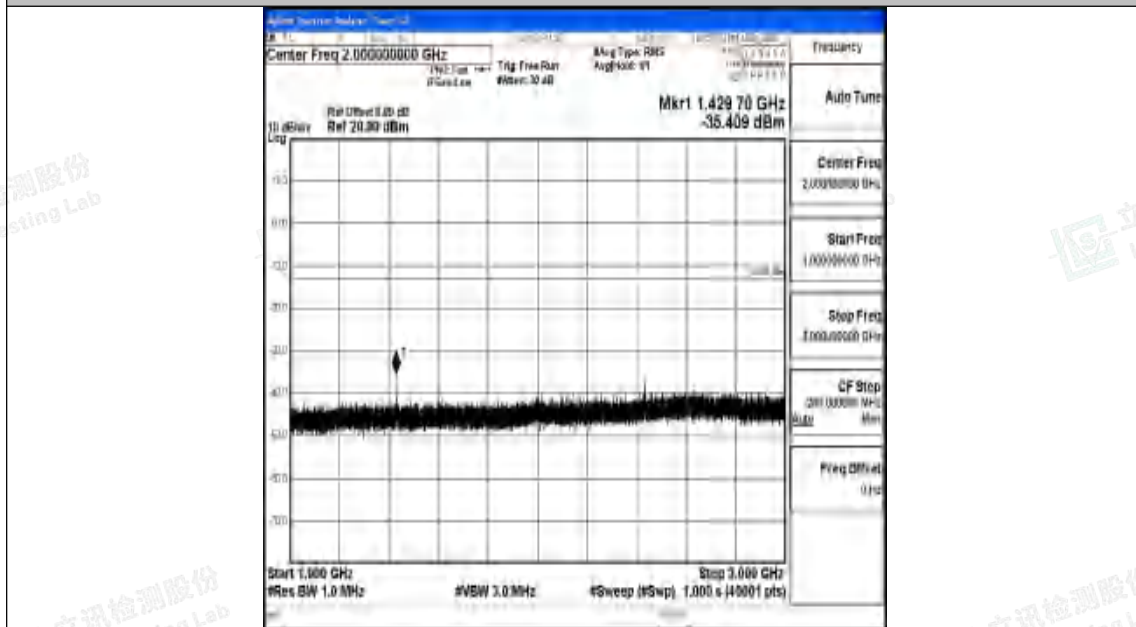


Band12\_1.4MHz\_QPSK\_23173\_1RB#0\_0.15~30\_0.15~30



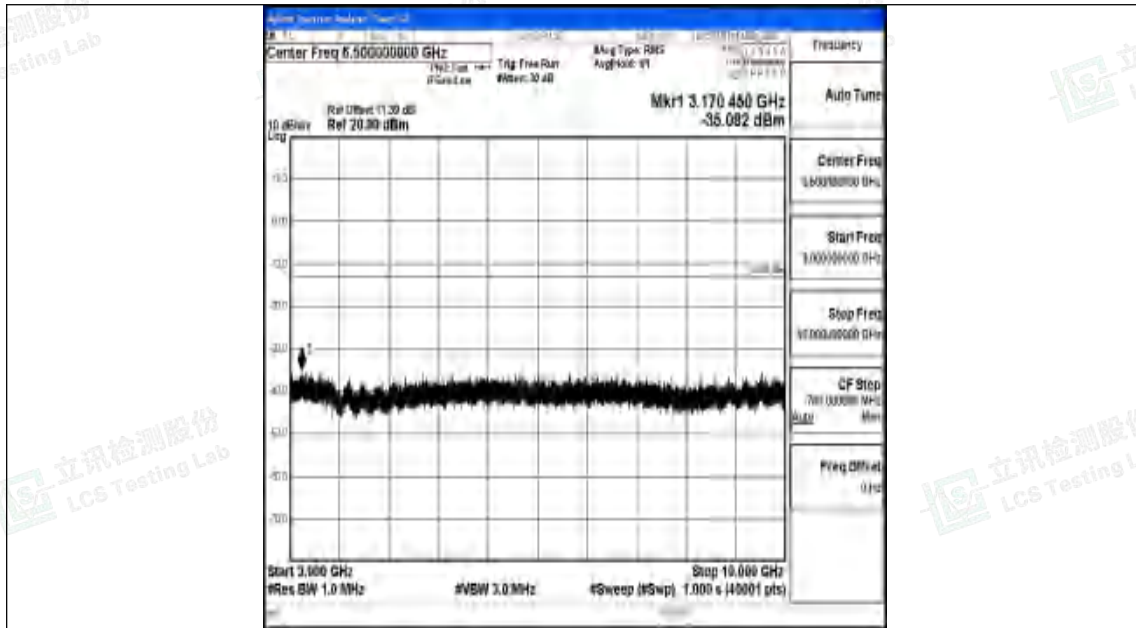
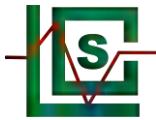


Band12\_1.4MHz\_QPSK\_23173\_1RB#0\_30~1000\_30~1000

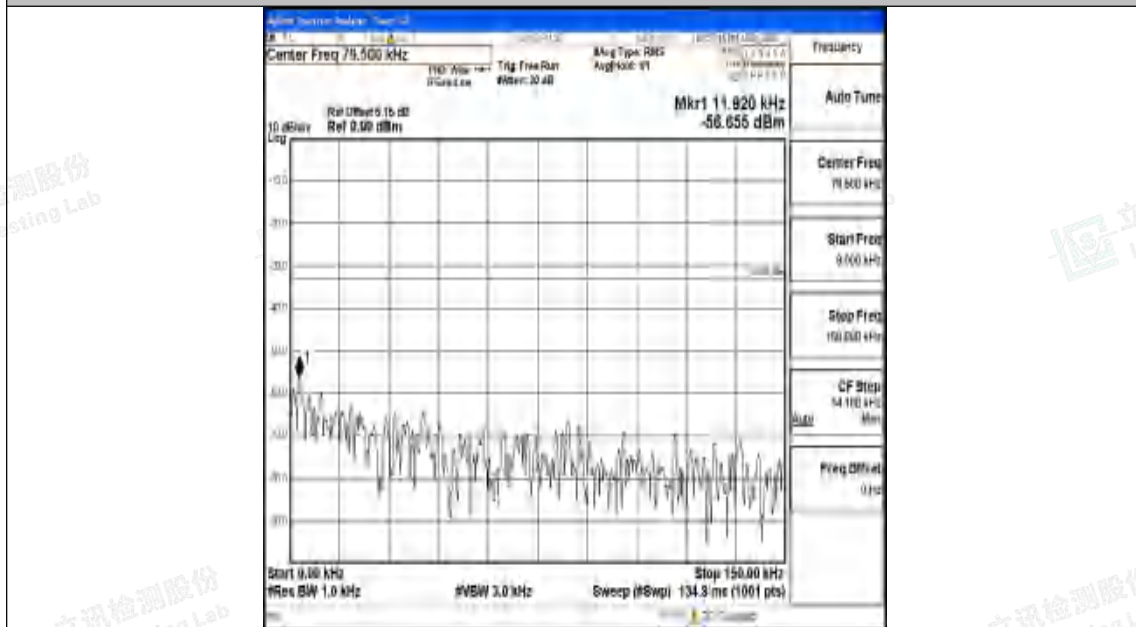


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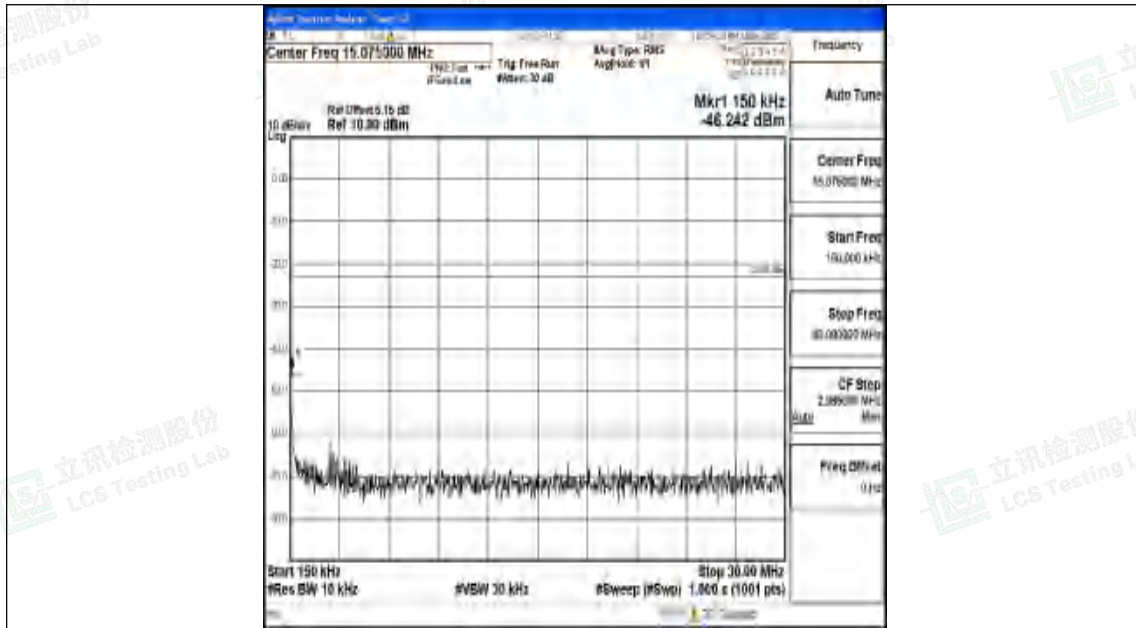
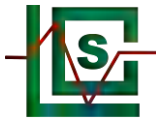


Band12\_1.4MHz\_QPSK\_23173\_1RB#0\_3000~10000\_3000~10000

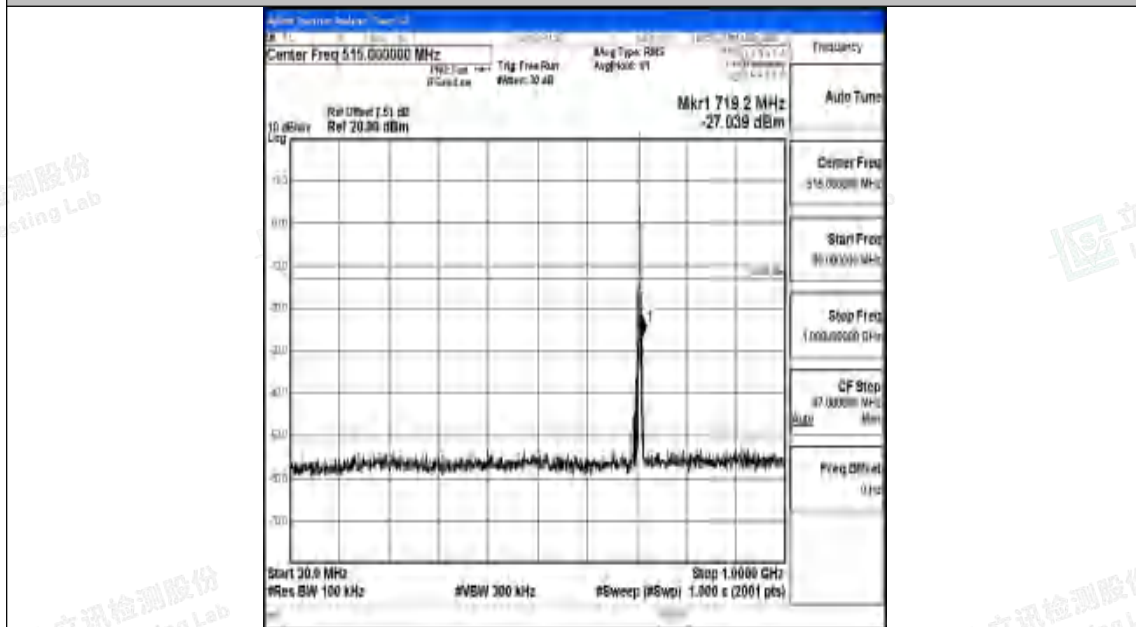


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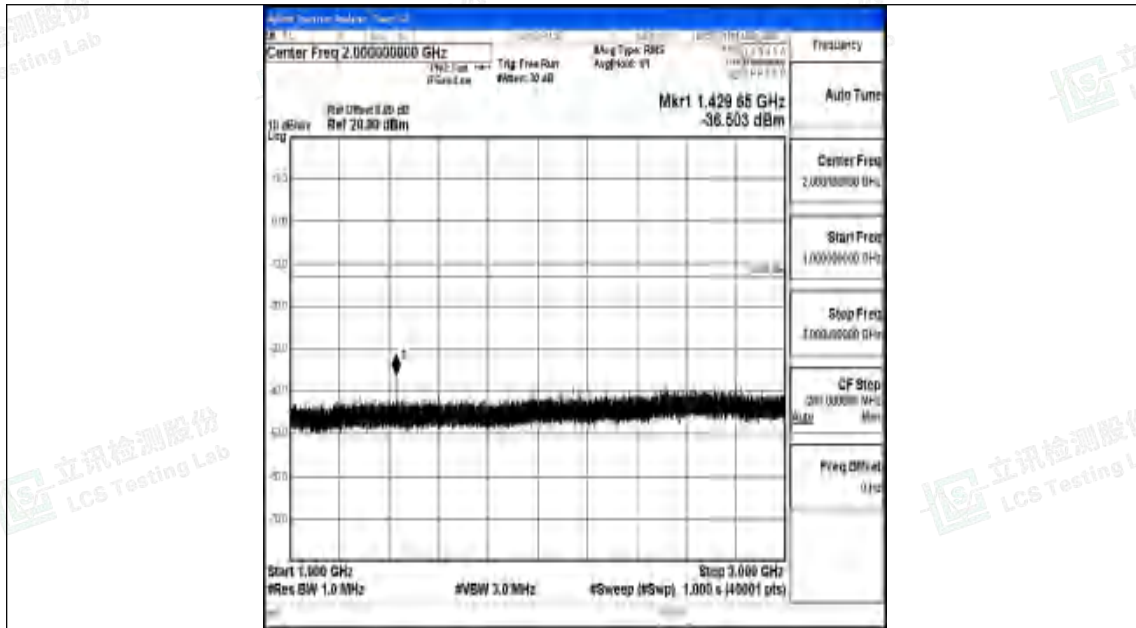
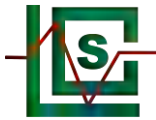


Band12\_1.4MHz\_16QAM\_23173\_1RB#0\_0.15~30\_0.15~30

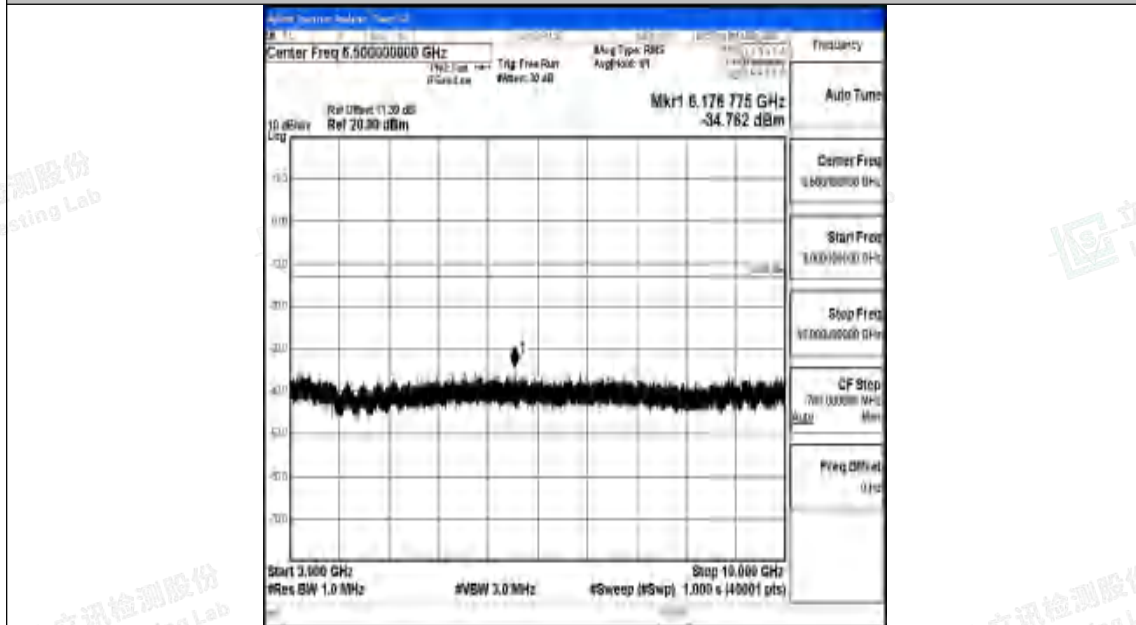


Band12\_1.4MHz\_16QAM\_23173\_1RB#0\_30~1000\_30~1000



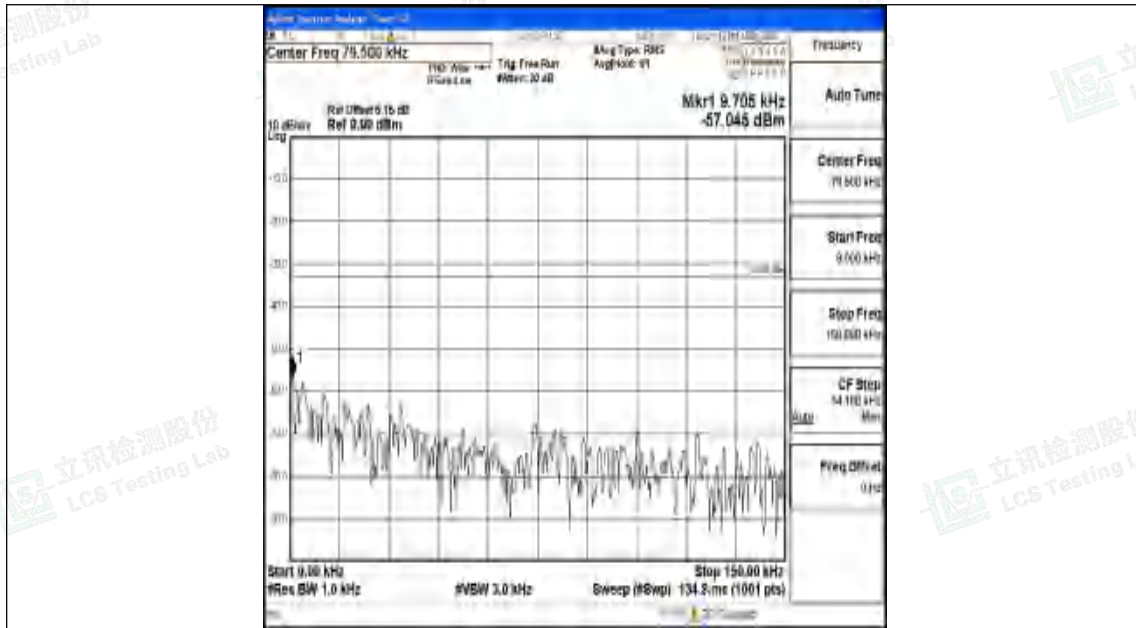
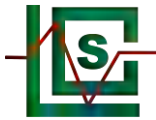


Band12\_1.4MHz\_16QAM\_23173\_1RB#0\_1000~3000\_1000~3000

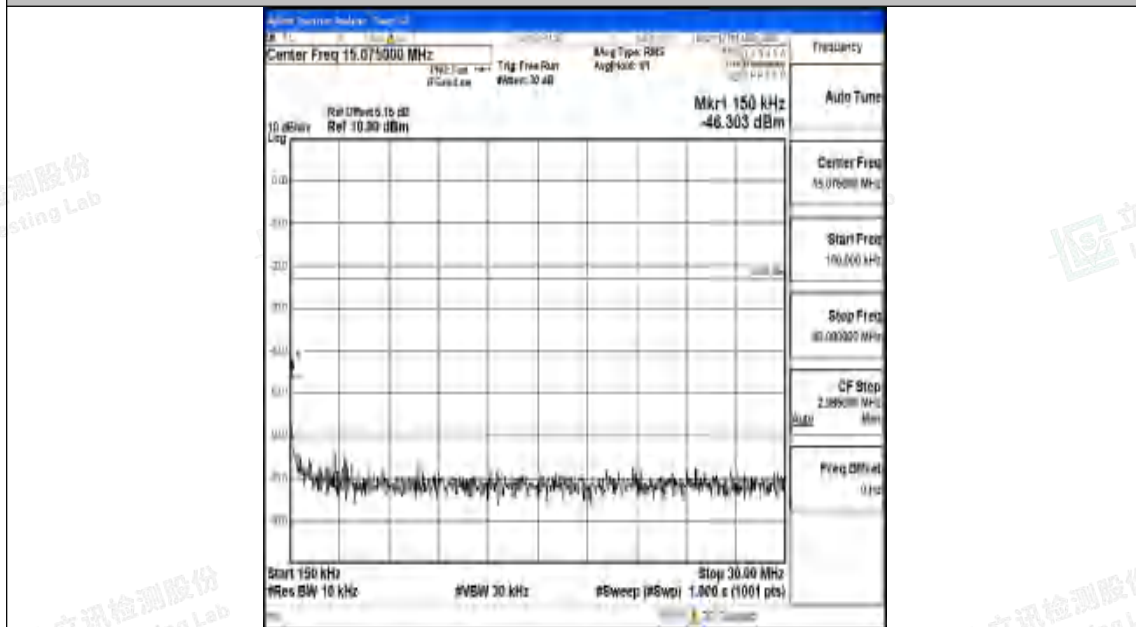


Band12\_1.4MHz\_16QAM\_23173\_1RB#0\_3000~10000\_3000~10000



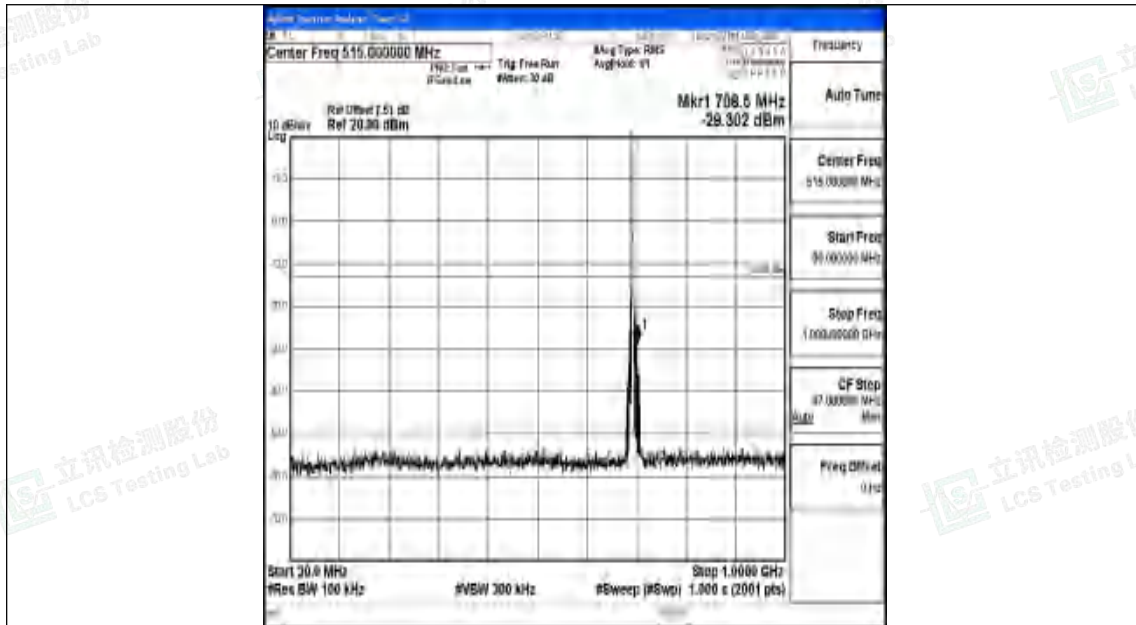
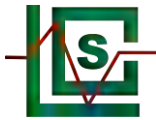


Band12\_3MHz\_QPSK\_23025\_1RB#0\_0.009~0.15\_0.009~0.15

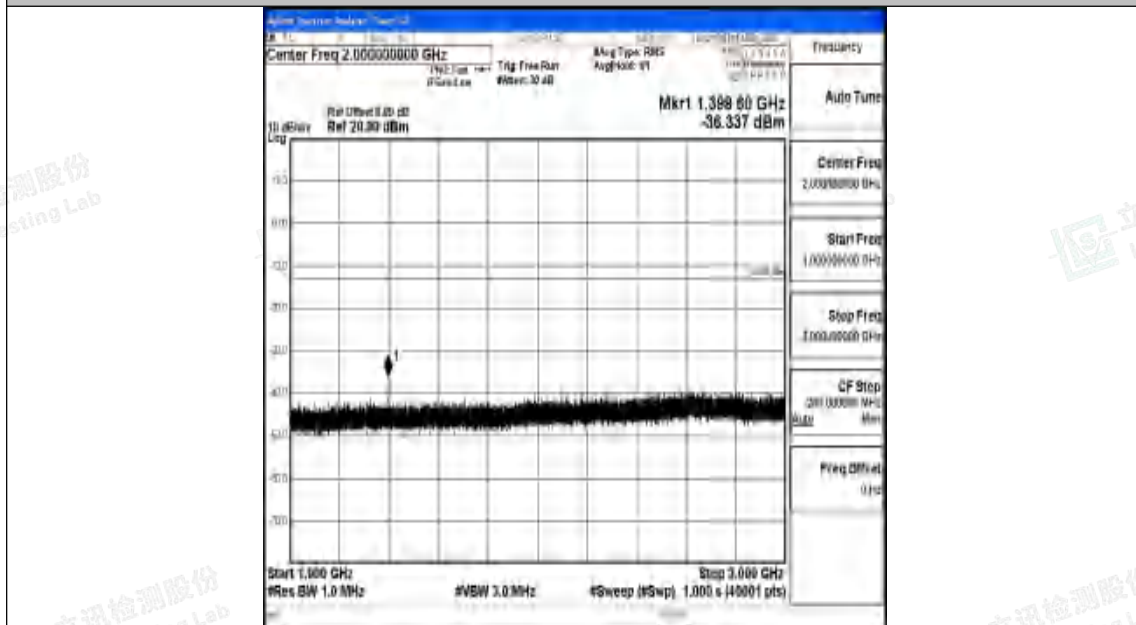


Band12\_3MHz\_QPSK\_23025\_1RB#0\_0.15~30\_0.15~30



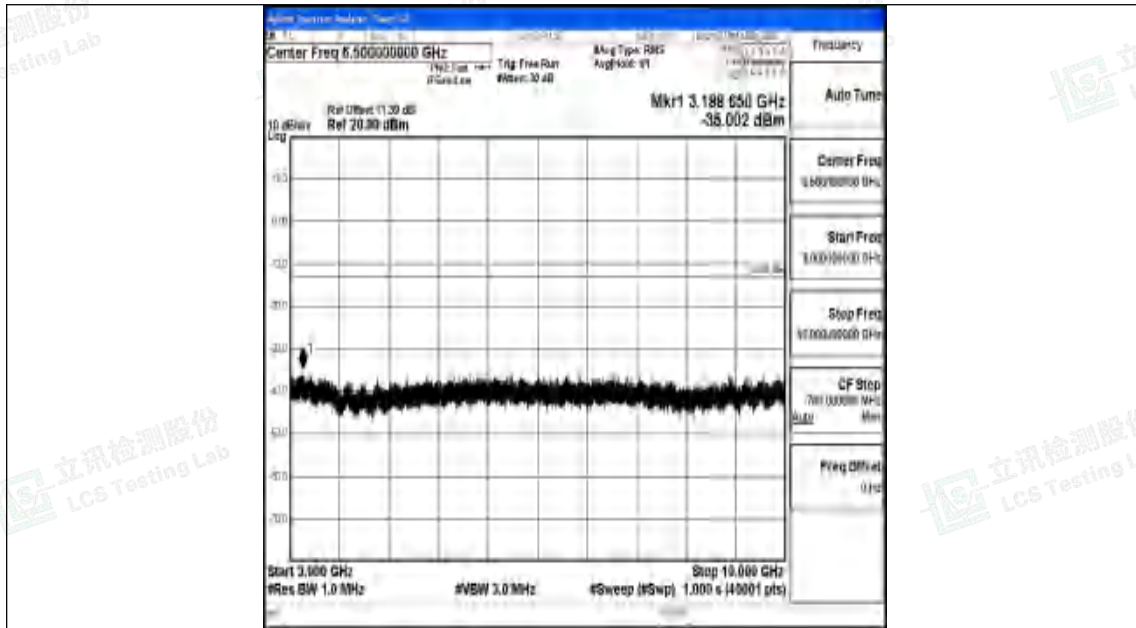
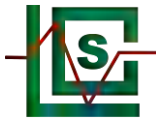


Band12\_3MHz\_QPSK\_23025\_1RB#0\_30~1000\_30~1000

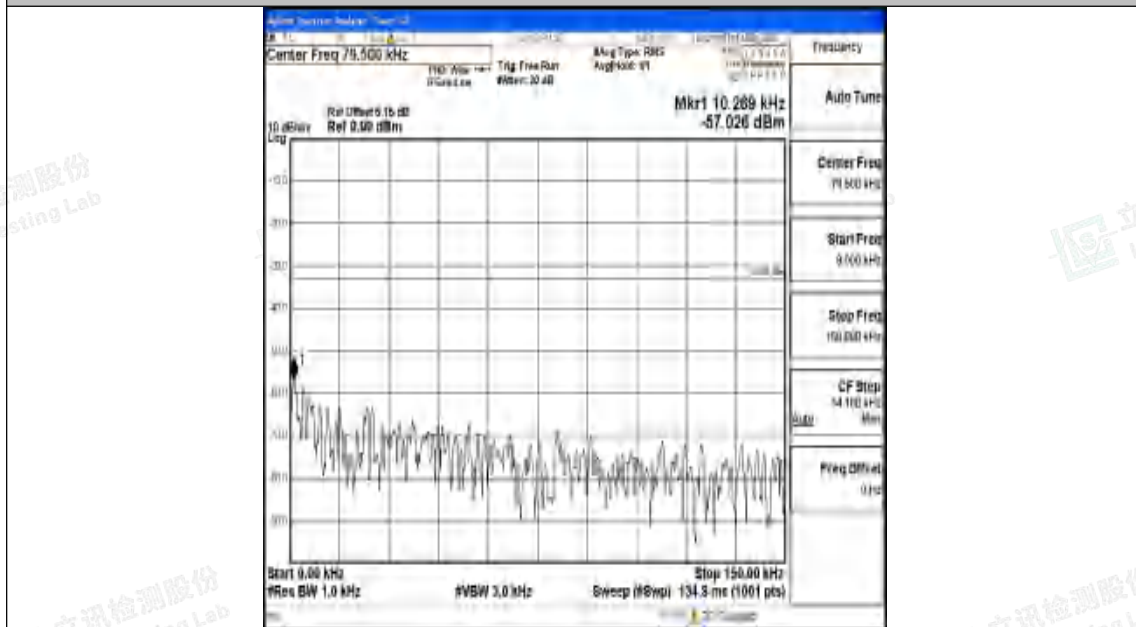


Band12\_3MHz\_QPSK\_23025\_1RB#0\_1000~3000\_1000~3000



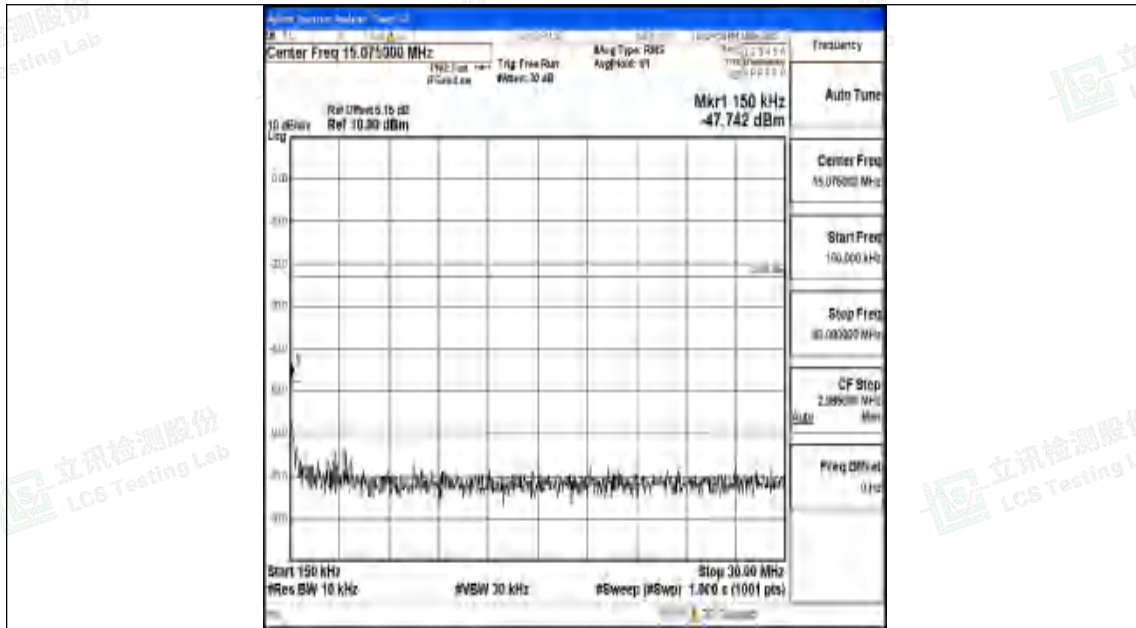
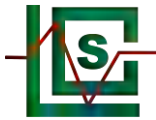


Band12\_3MHz\_QPSK\_23025\_1RB#0\_3000~10000\_3000~10000

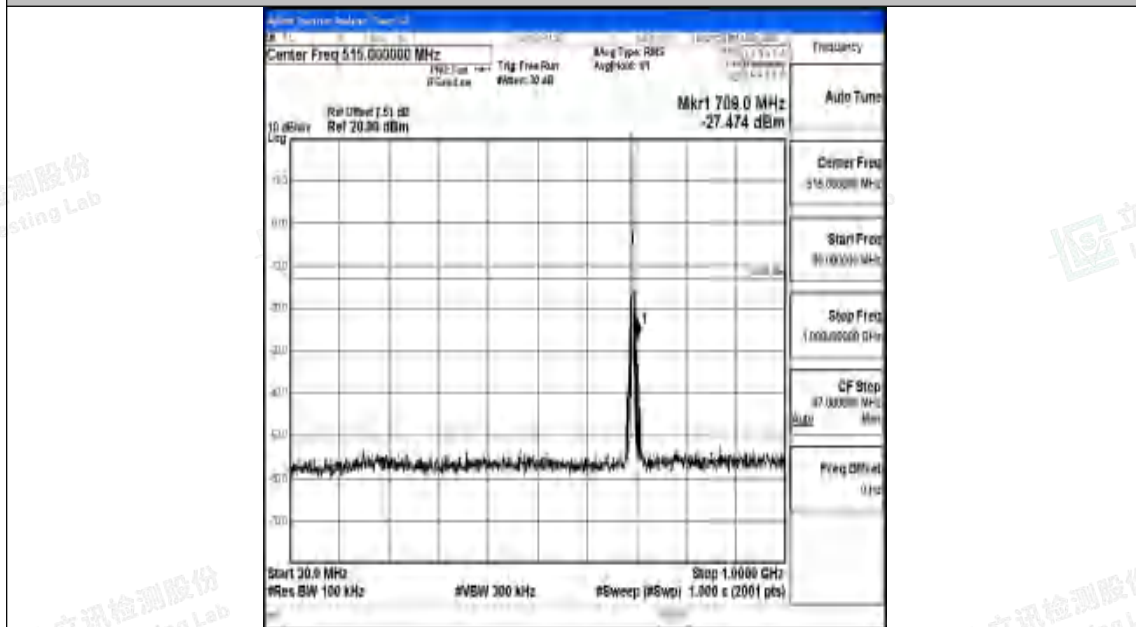


Band12\_3MHz\_16QAM\_23025\_1RB#0\_0.009~0.15\_0.009~0.15



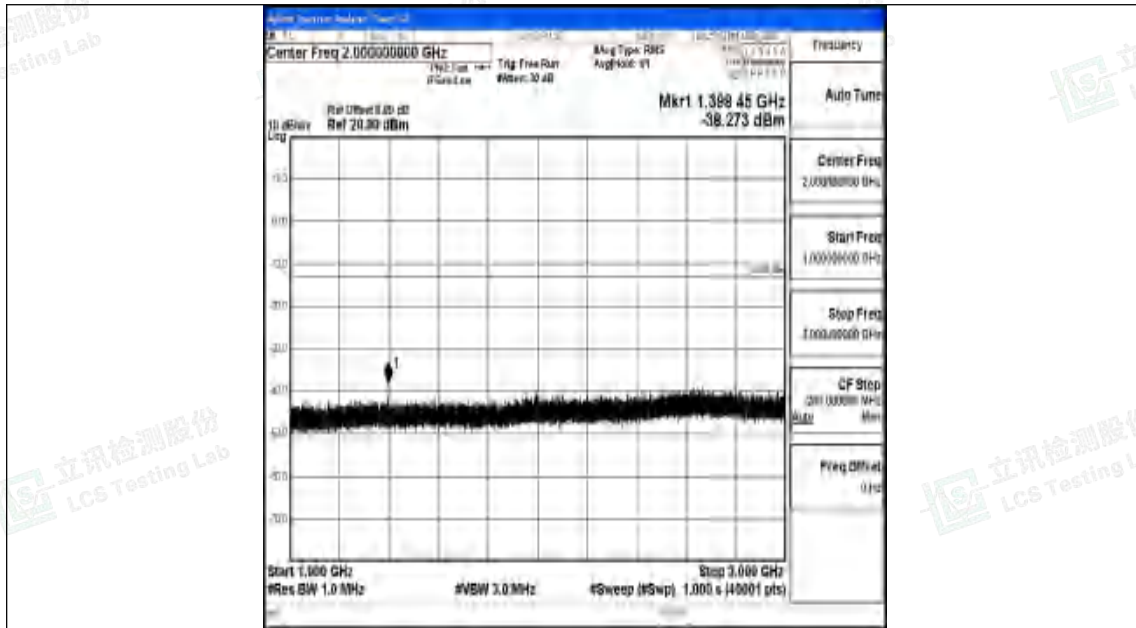
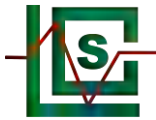


Band12\_3MHz\_16QAM\_23025\_1RB#0\_0.15~30\_0.15~30

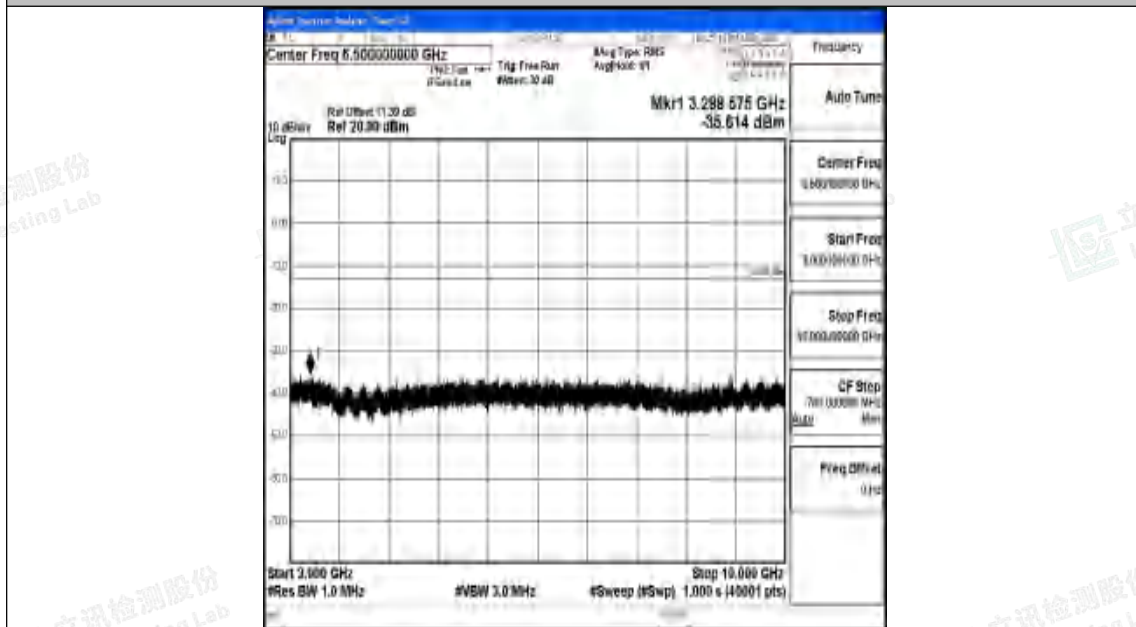


Band12\_3MHz\_16QAM\_23025\_1RB#0\_30~1000\_30~1000



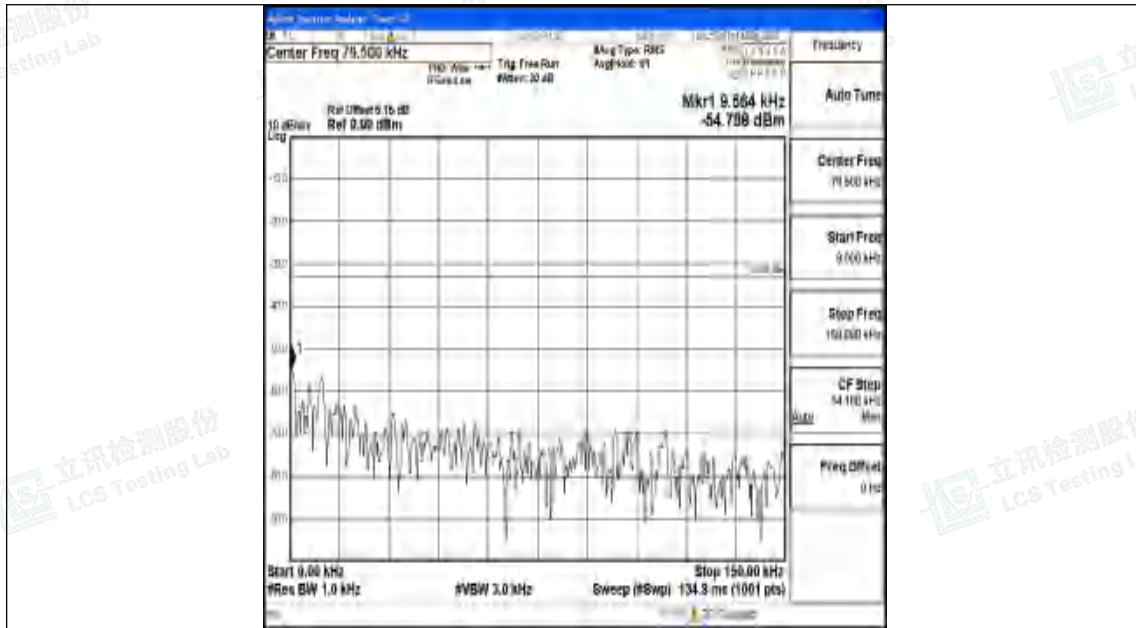
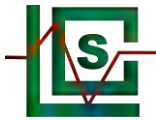


Band12\_3MHz\_16QAM\_23025\_1RB#0\_1000~3000\_1000~3000

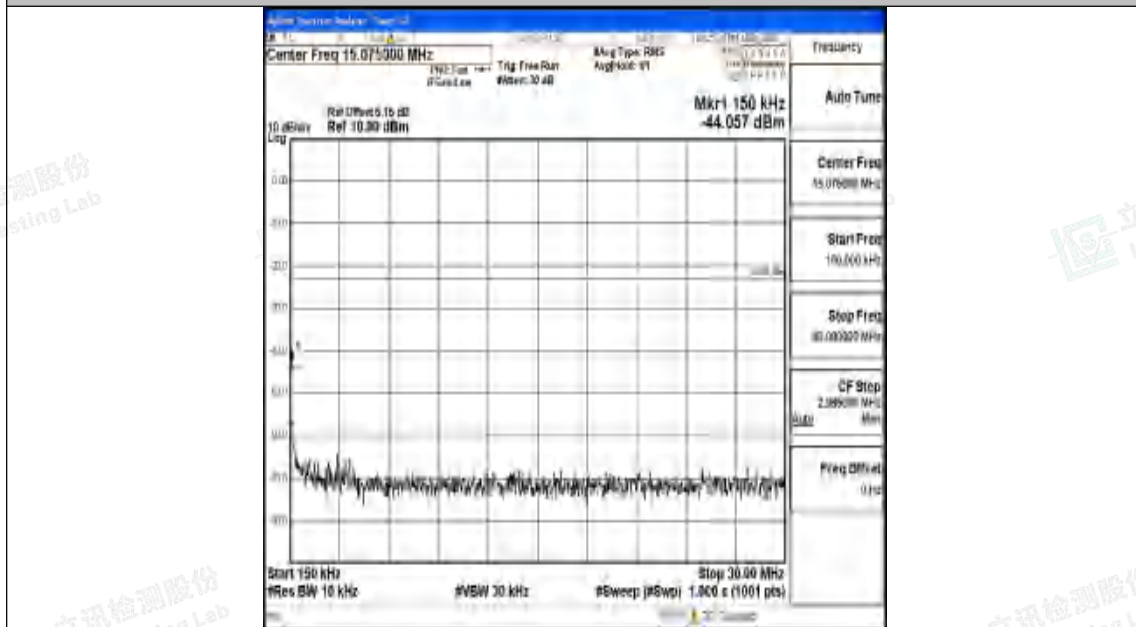


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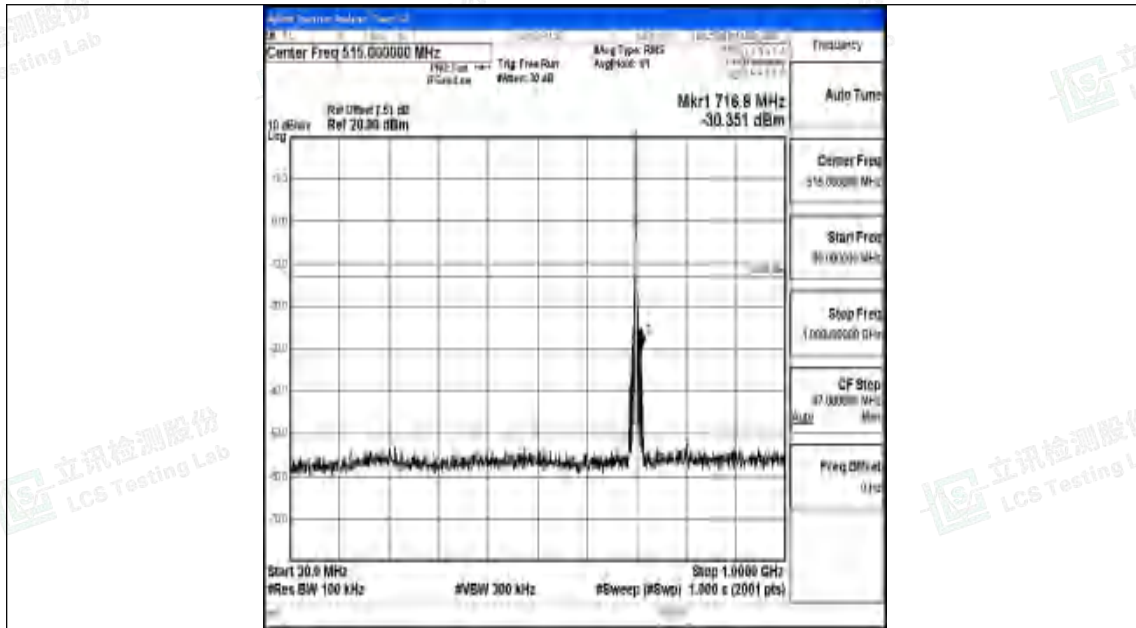
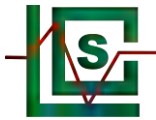


Band12\_3MHz\_QPSK\_23095\_1RB#0\_0.009~0.15\_0.009~0.15

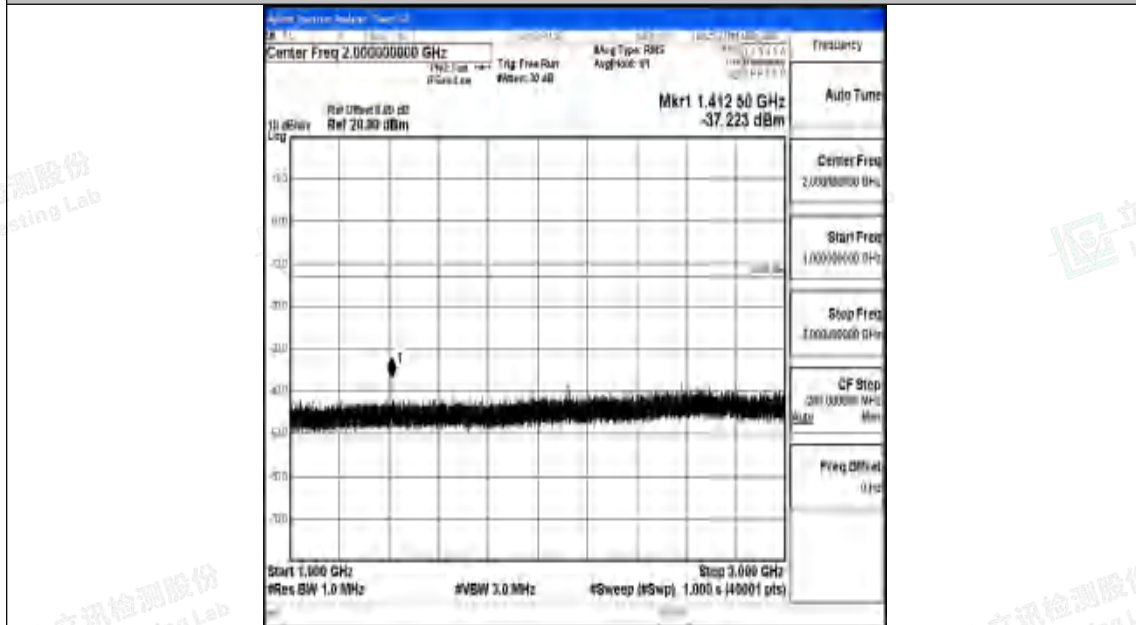


Band12\_3MHz\_QPSK\_23095\_1RB#0\_0.15~30\_0.15~30



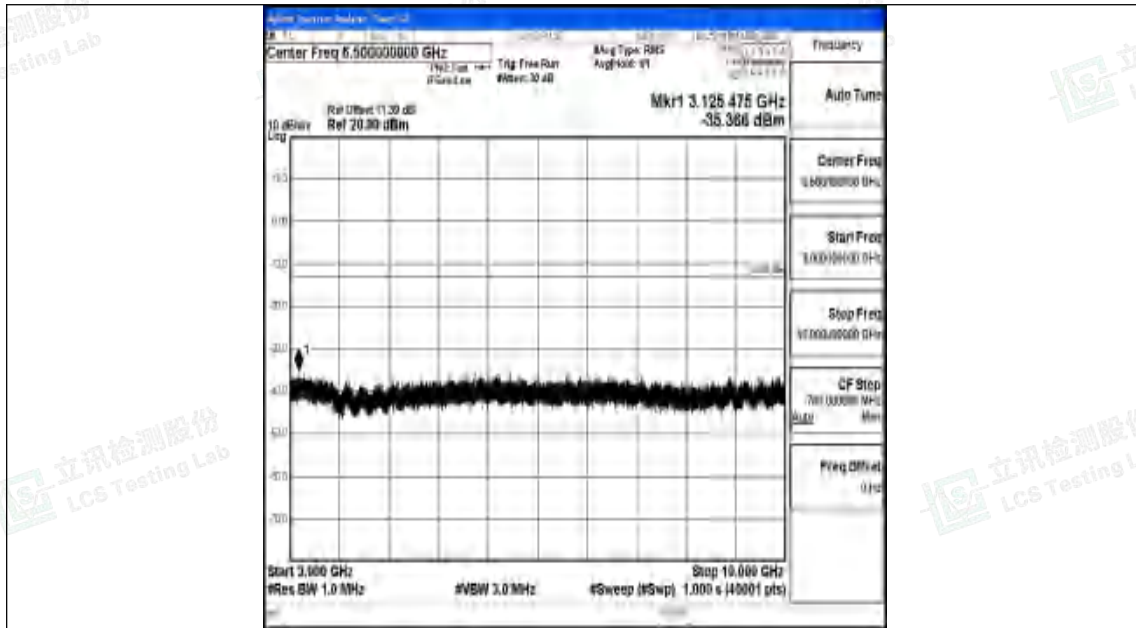
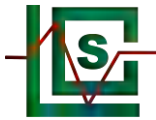


Band12\_3MHz\_QPSK\_23095\_1RB#0\_30~1000\_30~1000

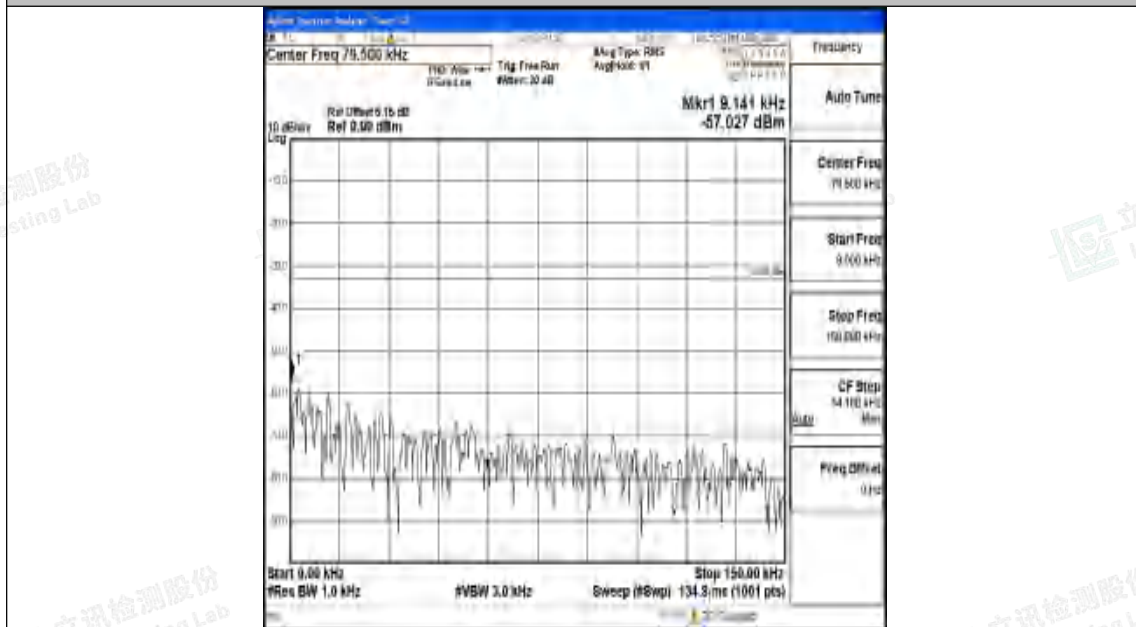


Band12\_3MHz\_QPSK\_23095\_1RB#0\_1000~3000\_1000~3000



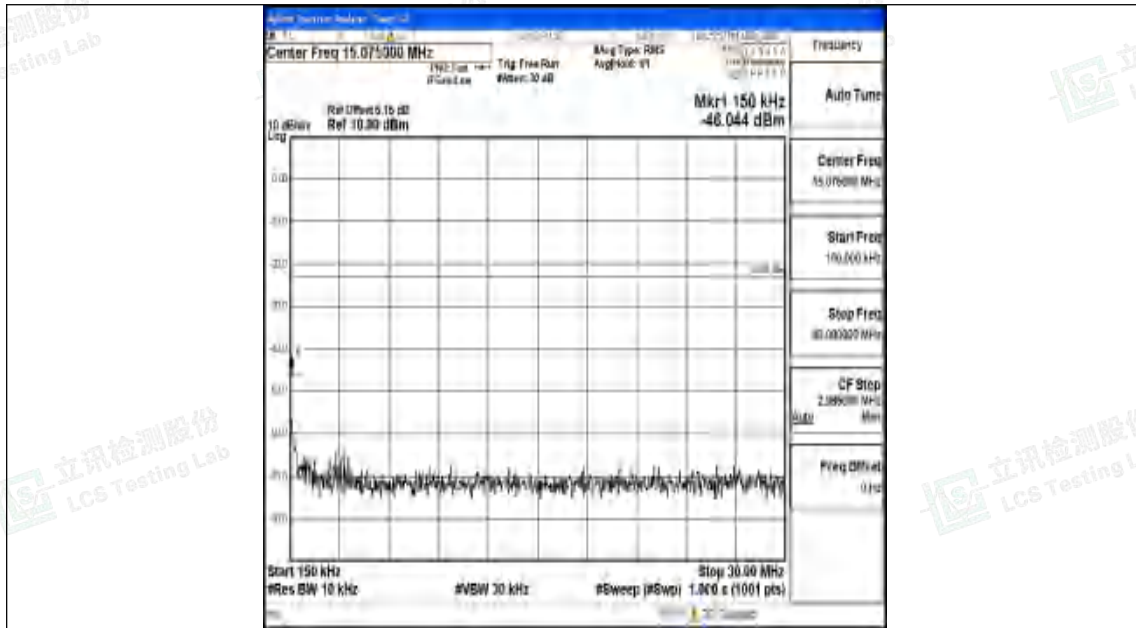
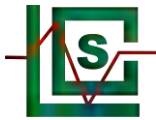


Band12\_3MHz\_QPSK\_23095\_1RB#0\_3000~10000\_3000~10000

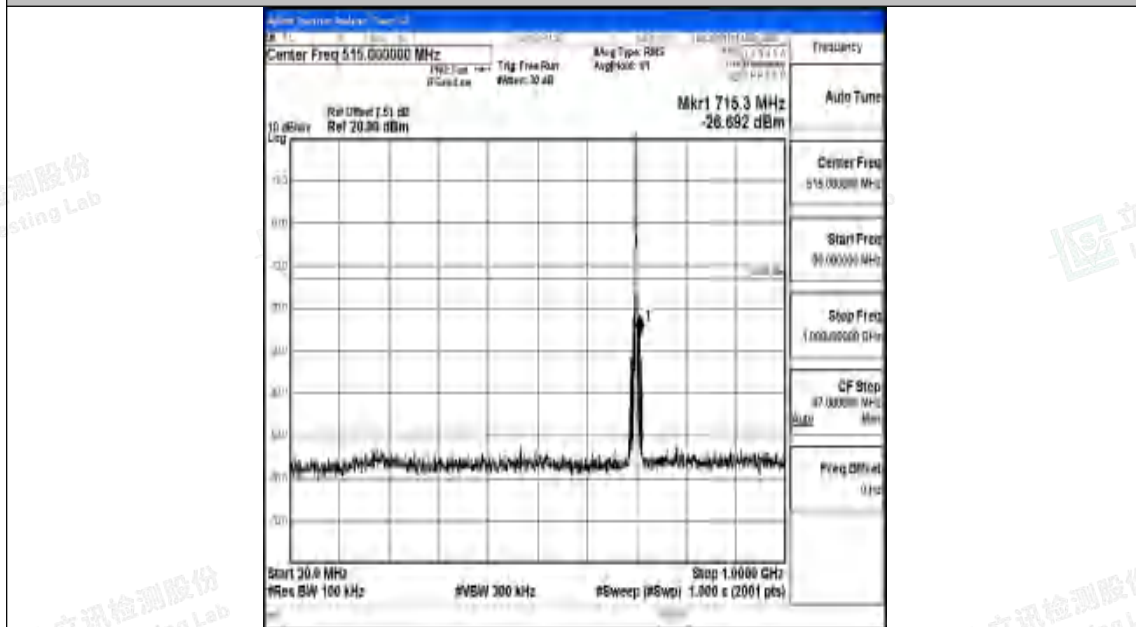


Band12\_3MHz\_16QAM\_23095\_1RB#0\_0.009~0.15\_0.009~0.15



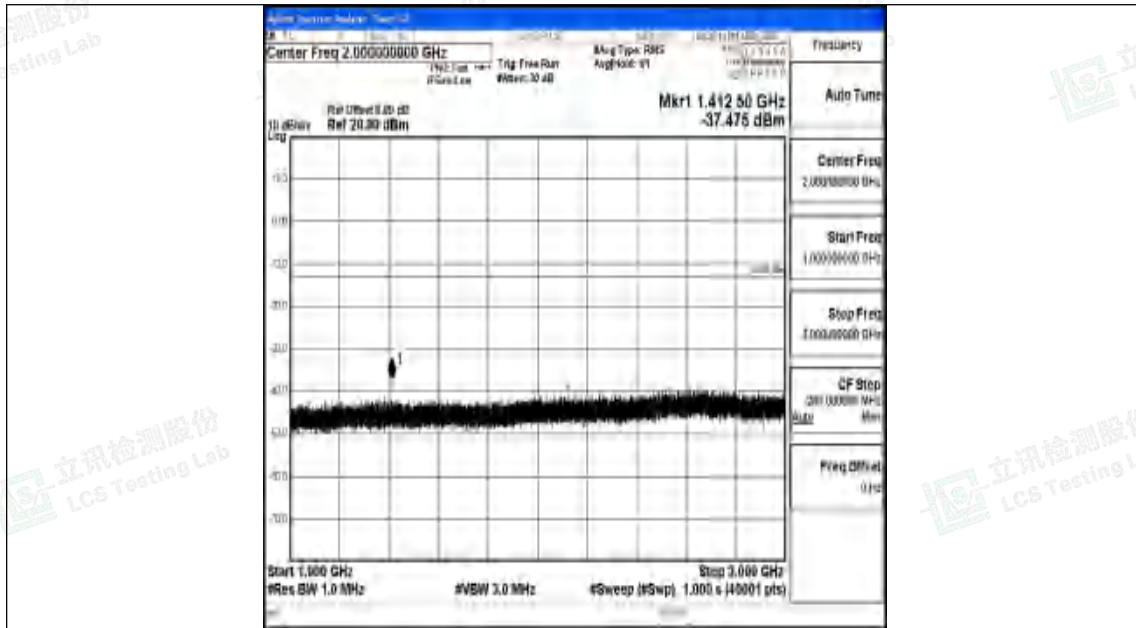
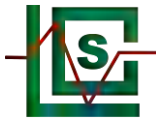


Band12\_3MHz\_16QAM\_23095\_1RB#0\_0.15~30\_0.15~30

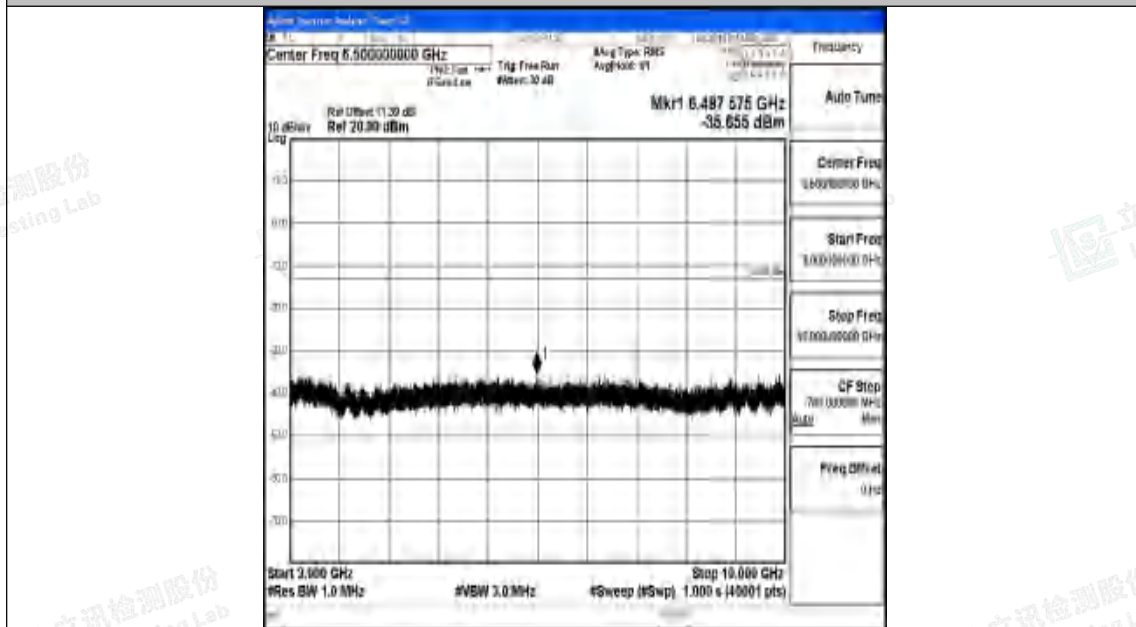


Band12\_3MHz\_16QAM\_23095\_1RB#0\_30~1000\_30~1000



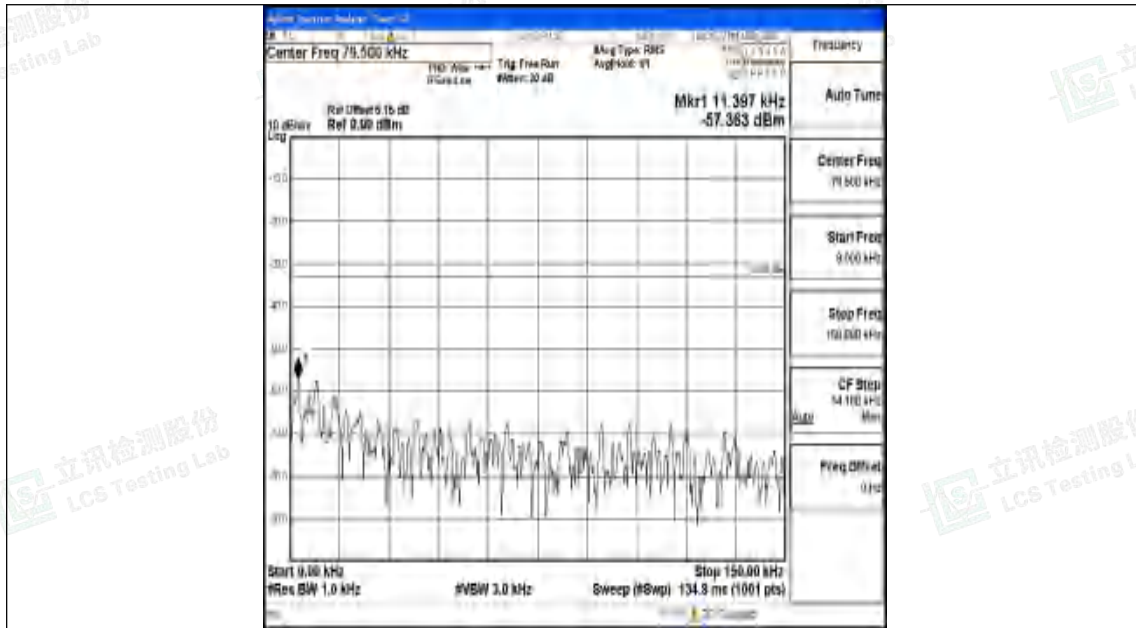
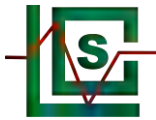


Band12\_3MHz\_16QAM\_23095\_1RB#0\_1000~3000\_1000~3000

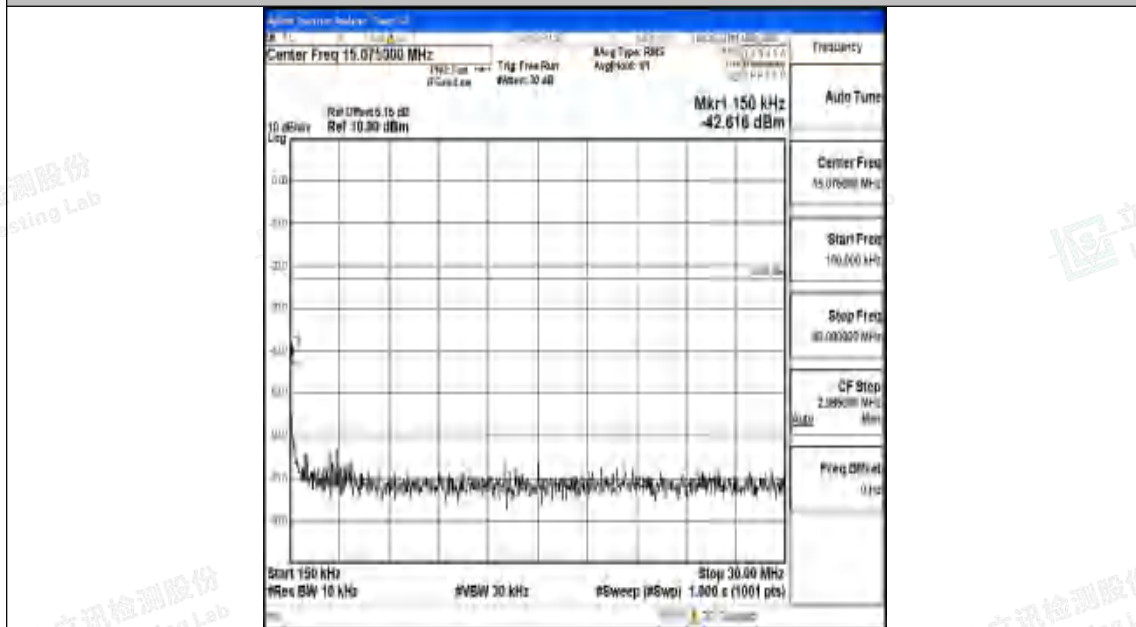


Band12\_3MHz\_16QAM\_23095\_1RB#0\_3000~10000\_3000~10000



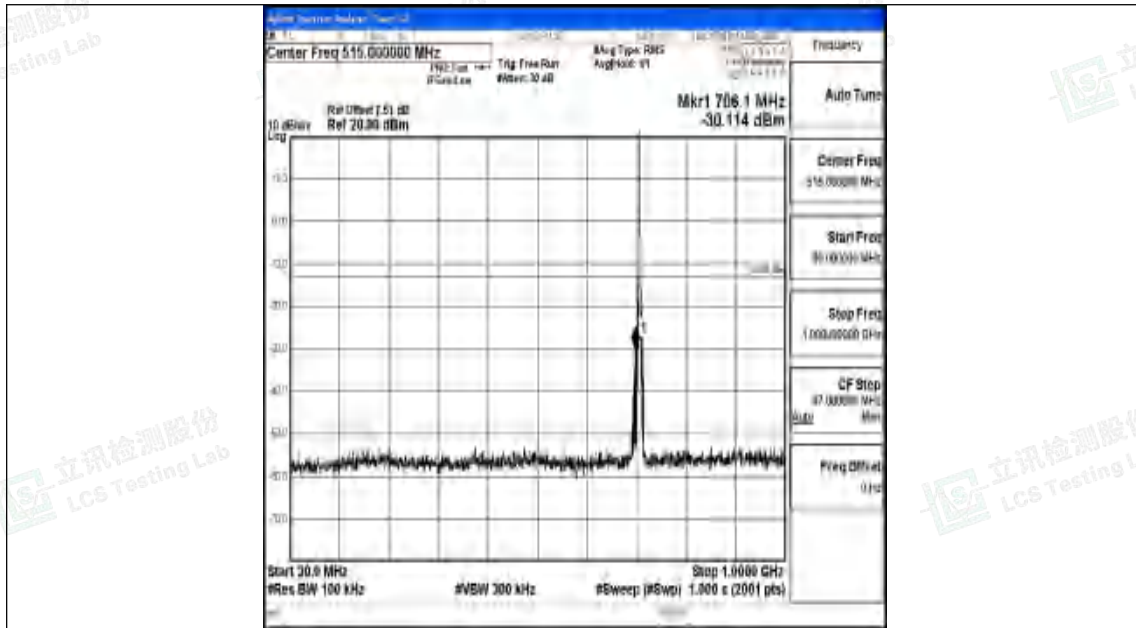
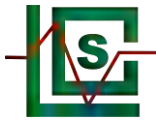


Band12\_3MHz\_QPSK\_23165\_1RB#0\_0.009~0.15\_0.009~0.15

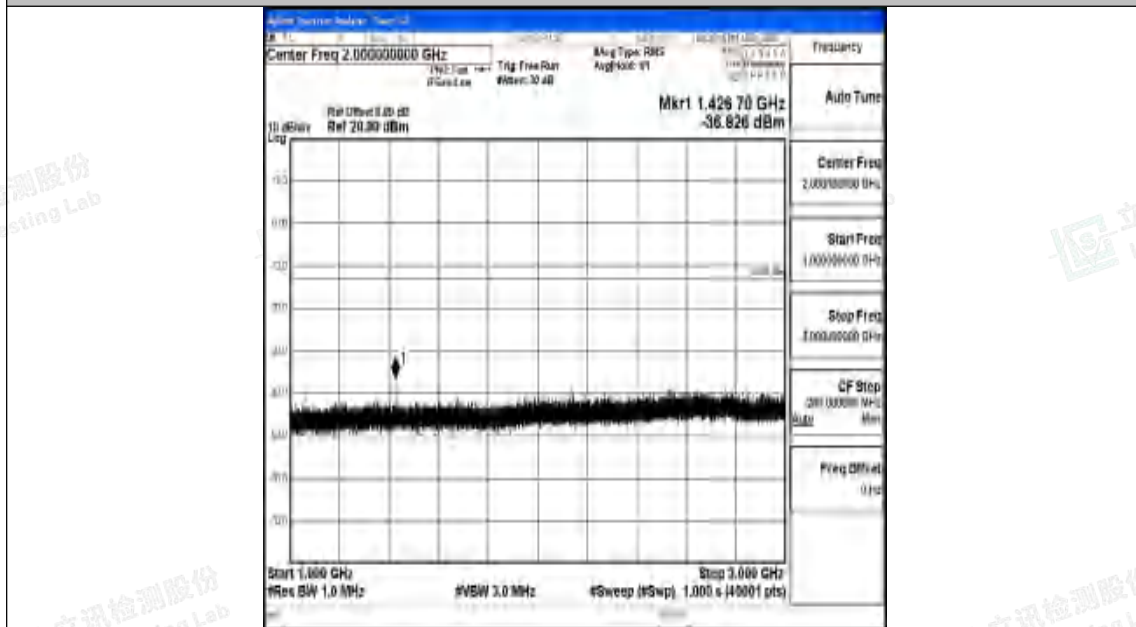


Band12\_3MHz\_QPSK\_23165\_1RB#0\_0.15~30\_0.15~30



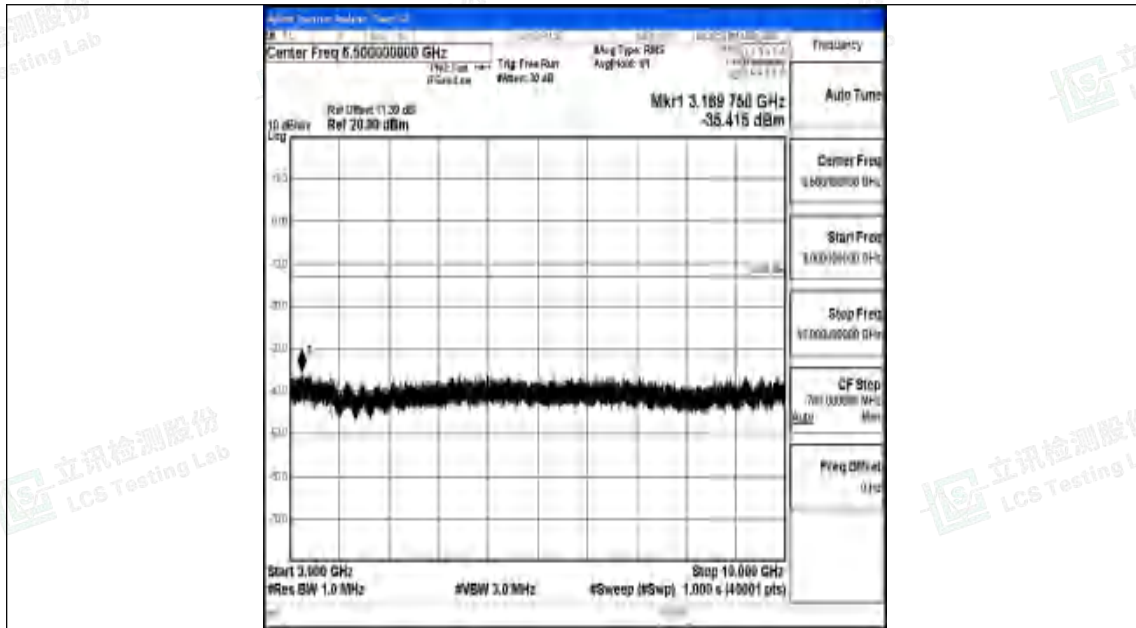
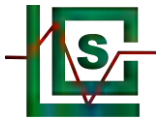


Band12\_3MHz\_QPSK\_23165\_1RB#0\_30~1000\_30~1000

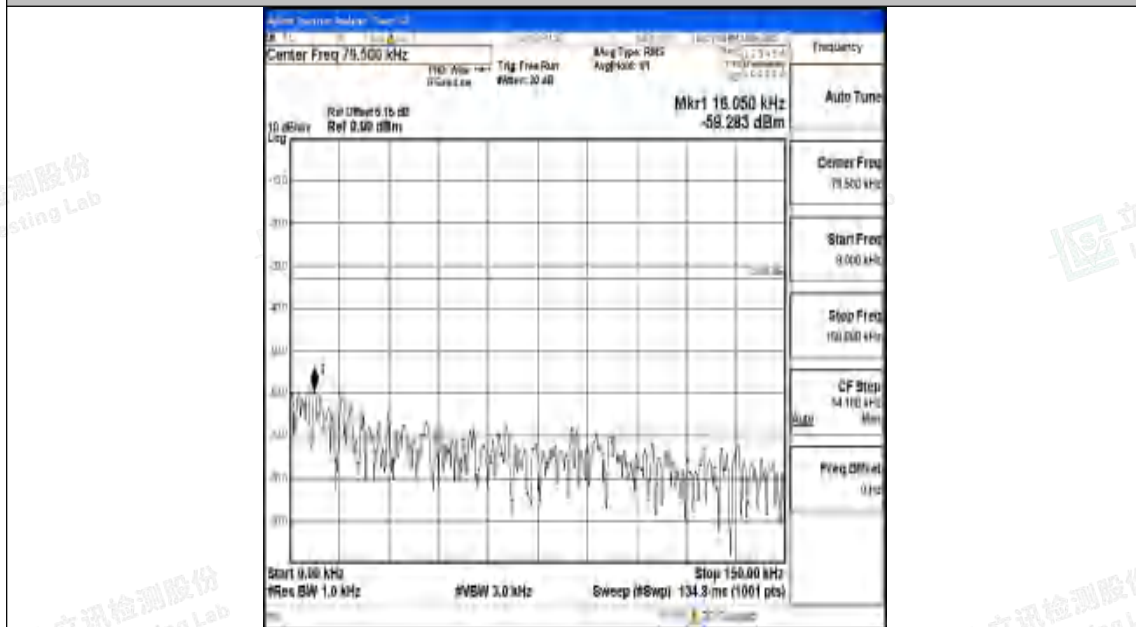


Band12\_3MHz\_QPSK\_23165\_1RB#0\_1000~3000\_1000~3000



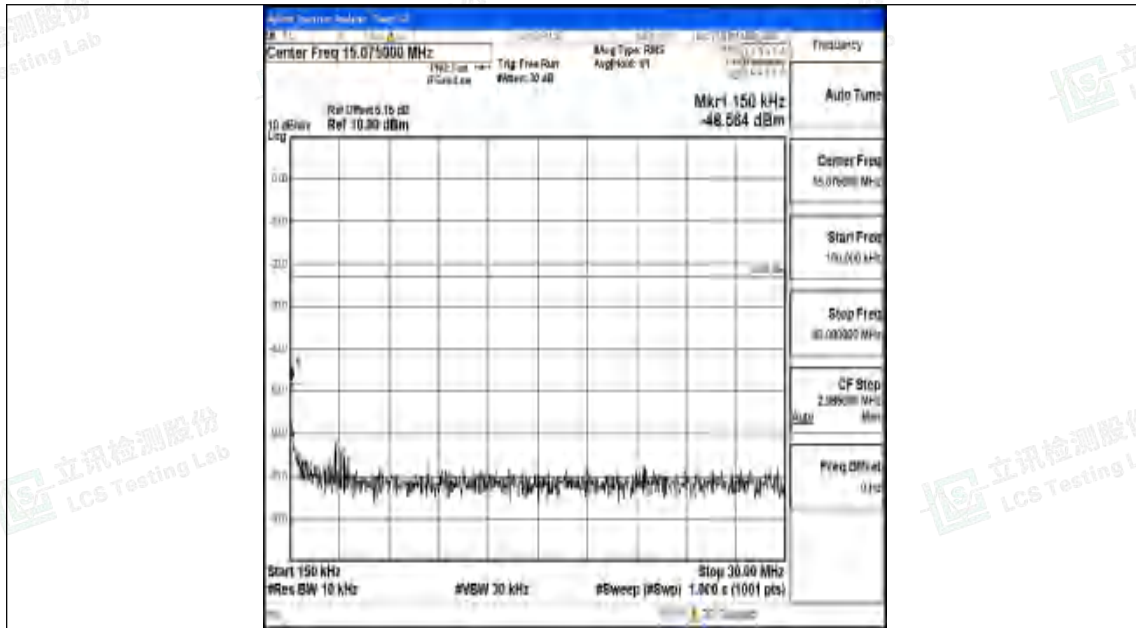
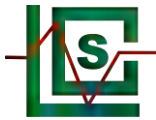


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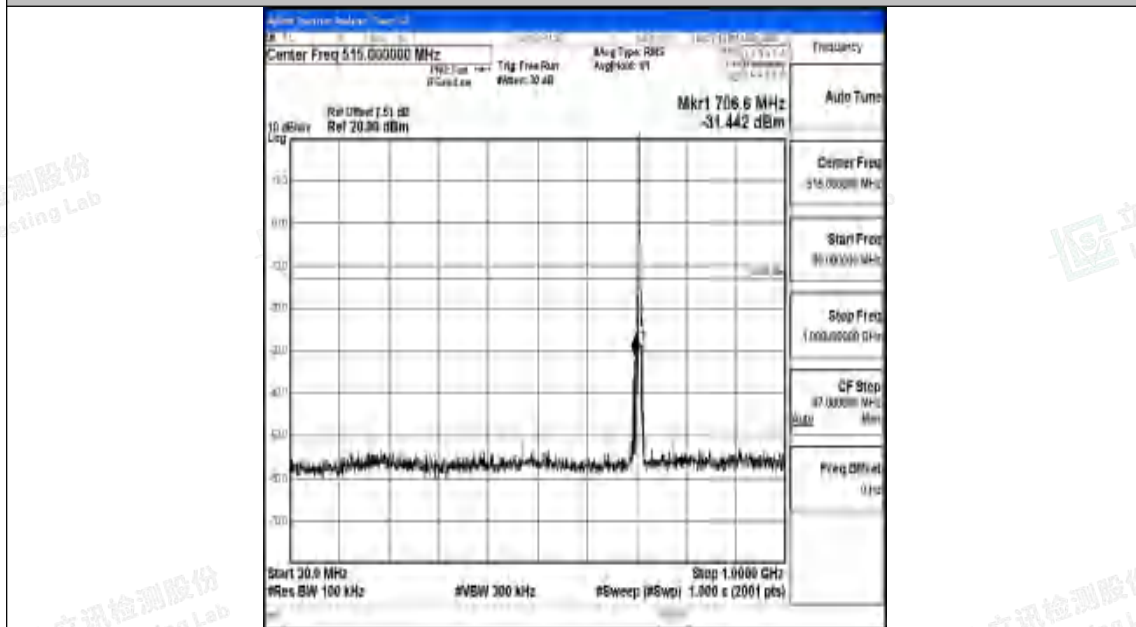


Band12\_3MHz\_16QAM\_23165\_1RB#0\_0.009~0.15\_0.009~0.15



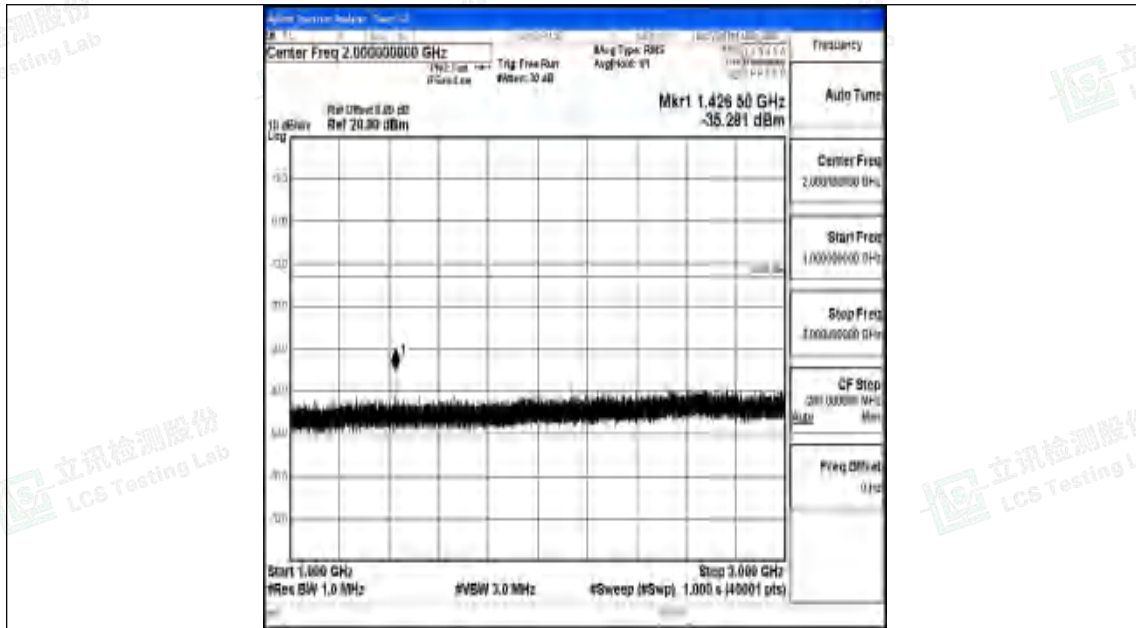
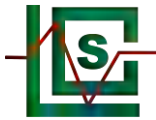


Band12\_3MHz\_16QAM\_23165\_1RB#0\_0.15~30\_0.15~30

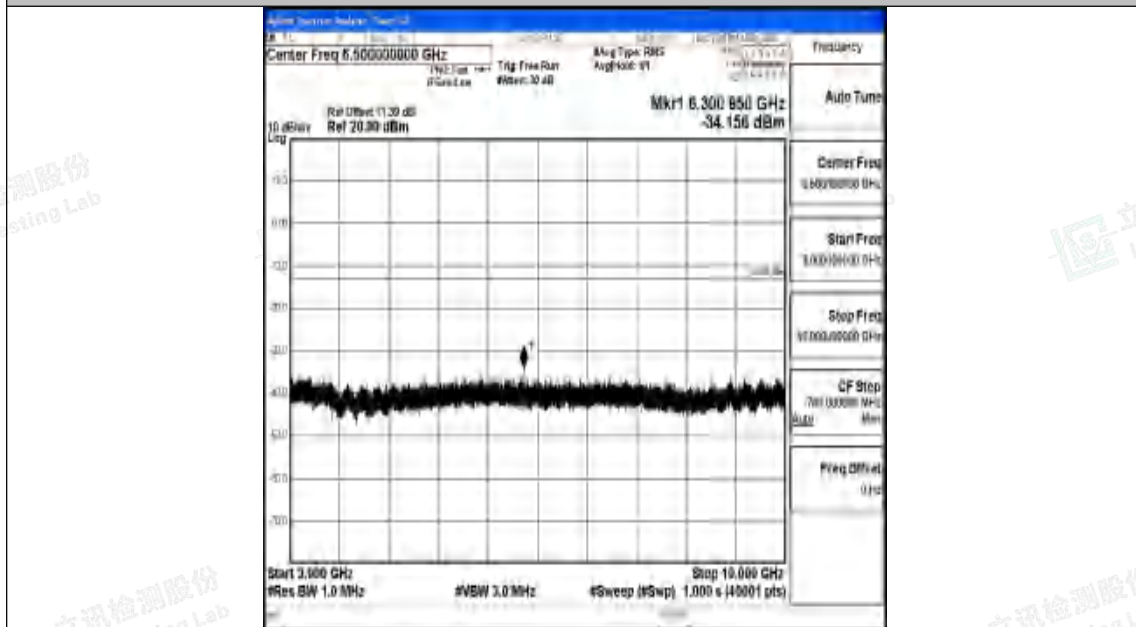


Band12\_3MHz\_16QAM\_23165\_1RB#0\_30~1000\_30~1000



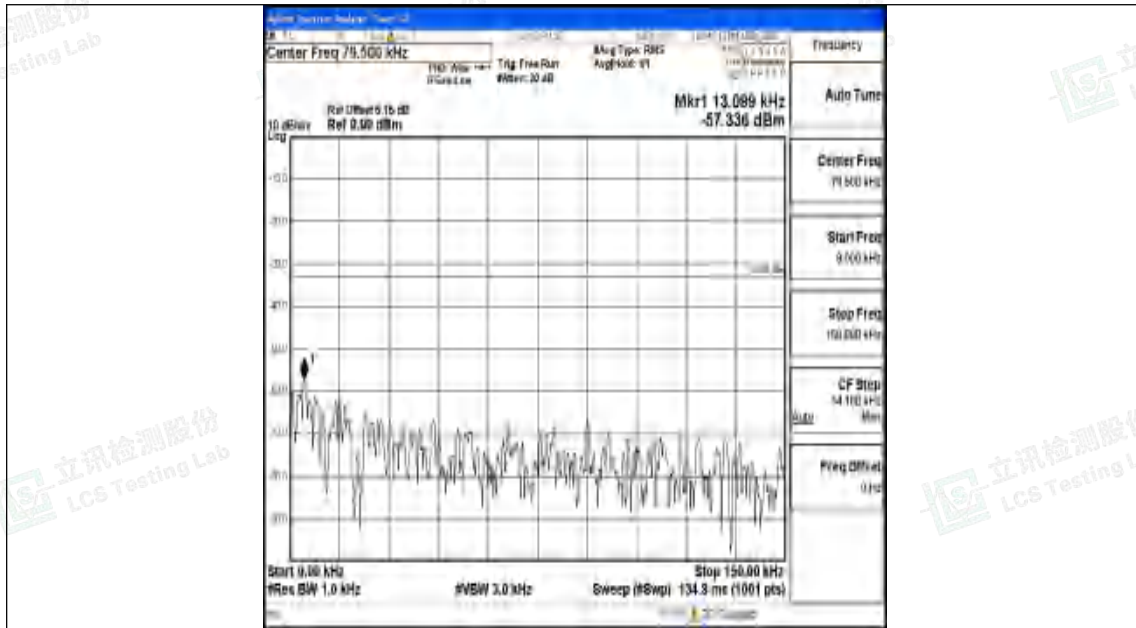
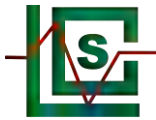


Band12\_3MHz\_16QAM\_23165\_1RB#0\_1000~3000\_1000~3000

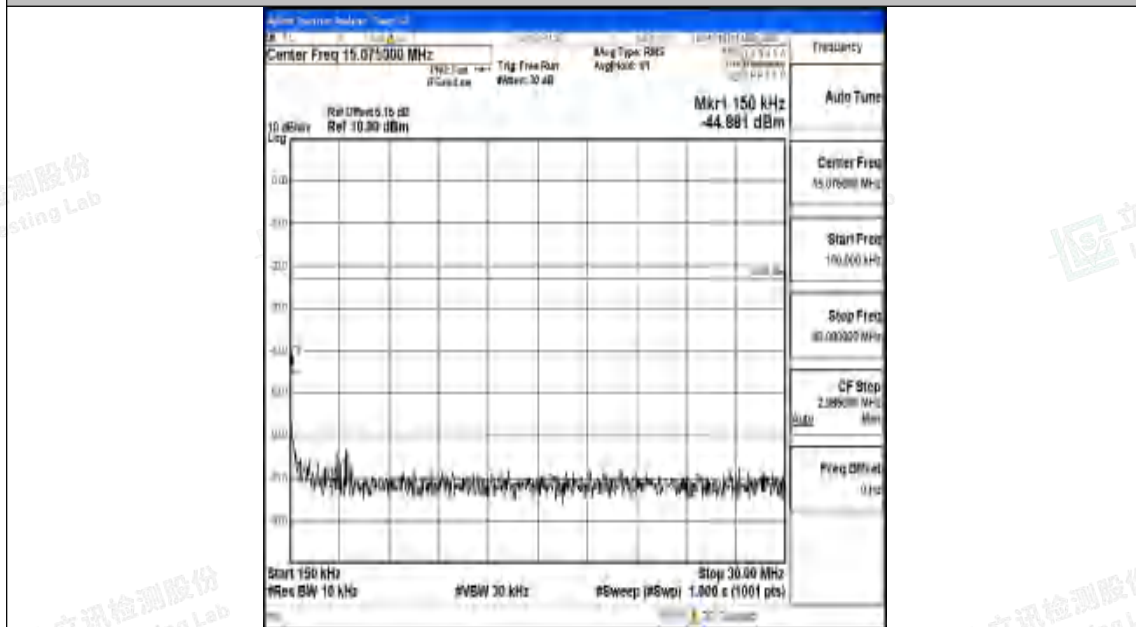


Band12\_3MHz\_16QAM\_23165\_1RB#0\_3000~10000\_3000~10000



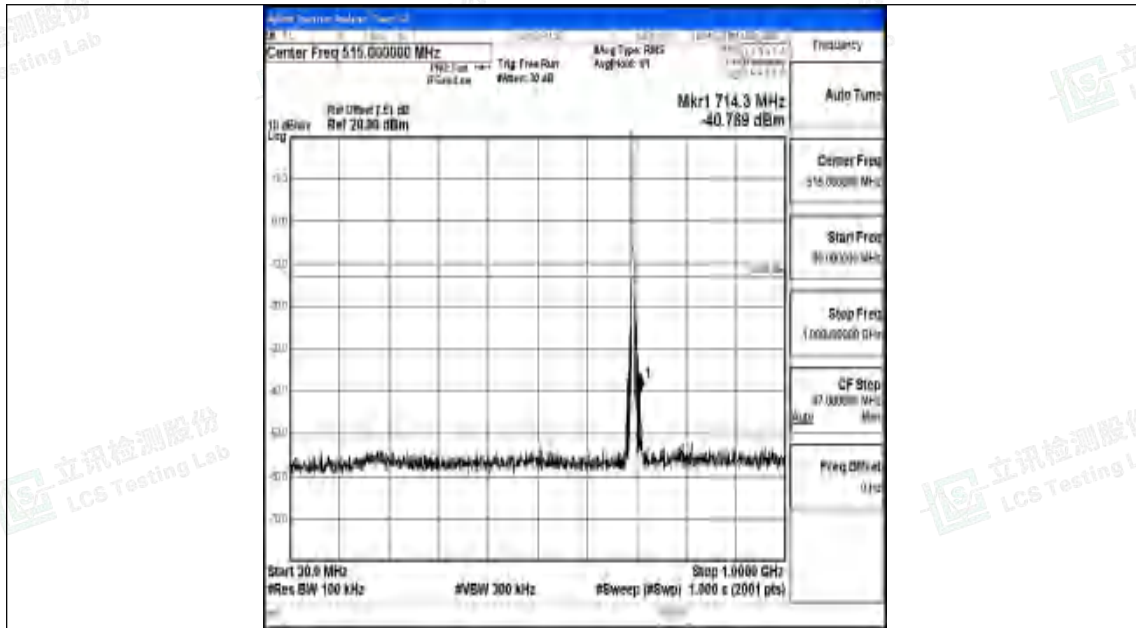
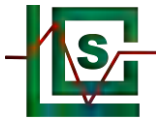


Band12\_5MHz\_QPSK\_23035\_1RB#0\_0.009~0.15\_0.009~0.15

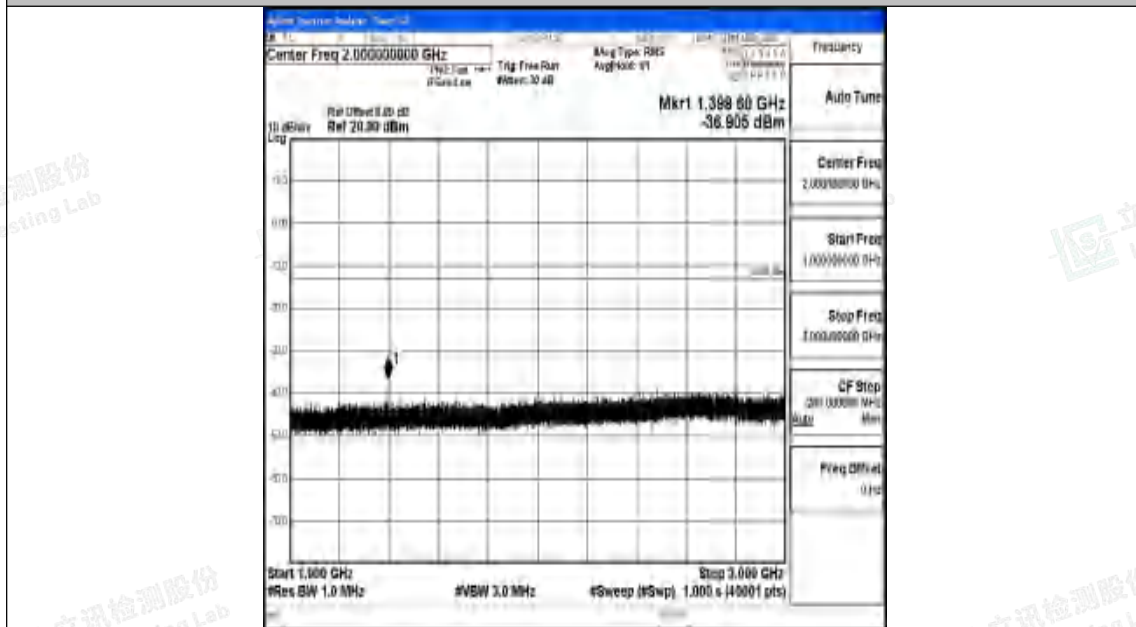


Band12\_5MHz\_QPSK\_23035\_1RB#0\_0.15~30\_0.15~30



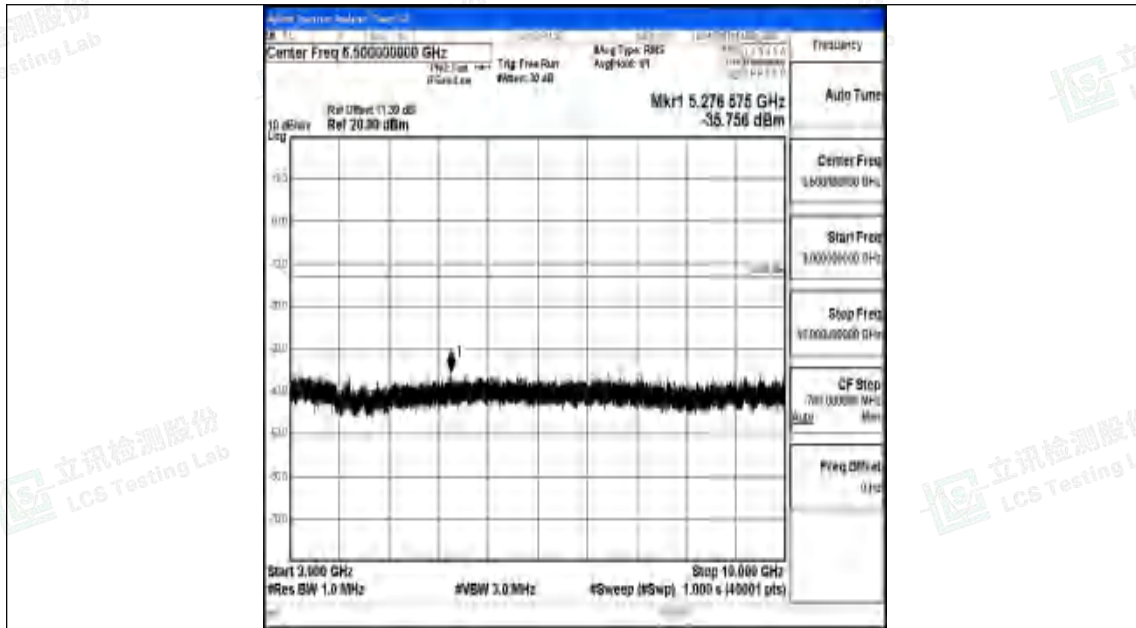
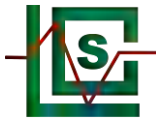


Band12\_5MHz\_QPSK\_23035\_1RB#0\_30~1000\_30~1000

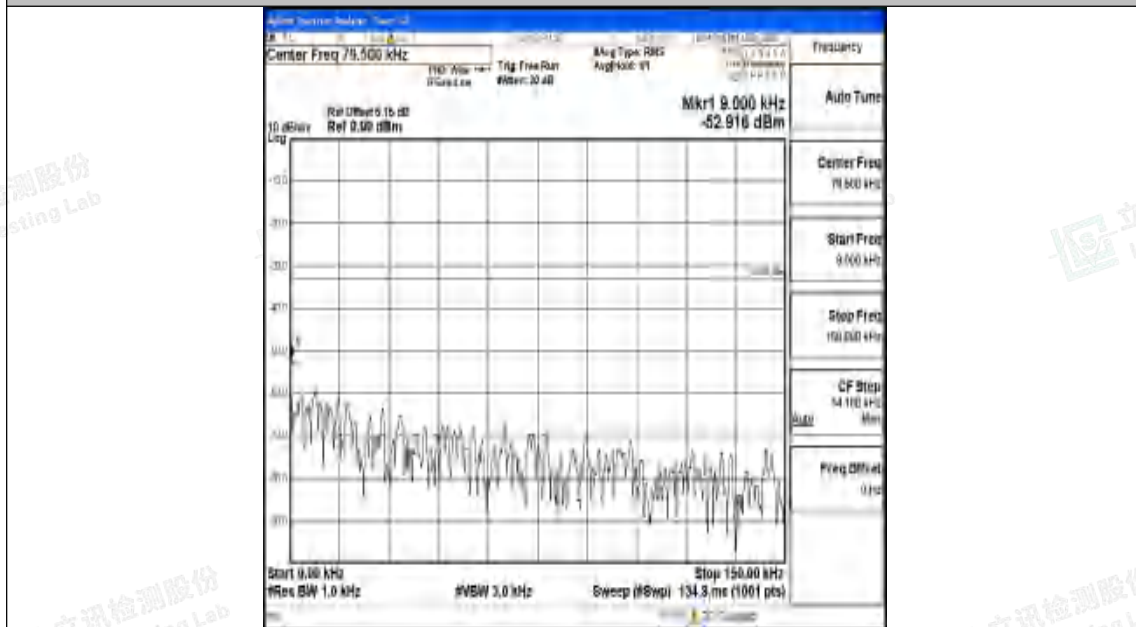


Band12\_5MHz\_QPSK\_23035\_1RB#0\_1000~3000\_1000~3000



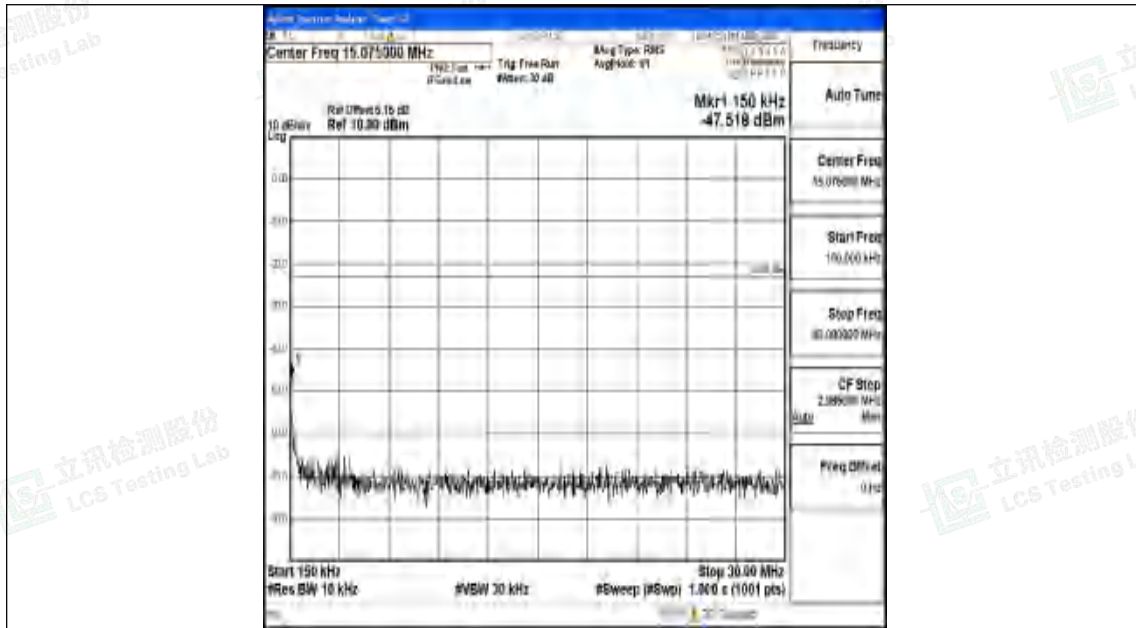
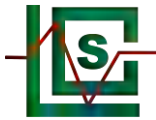


Band12\_5MHz\_QPSK\_23035\_1RB#0\_3000~10000\_3000~10000

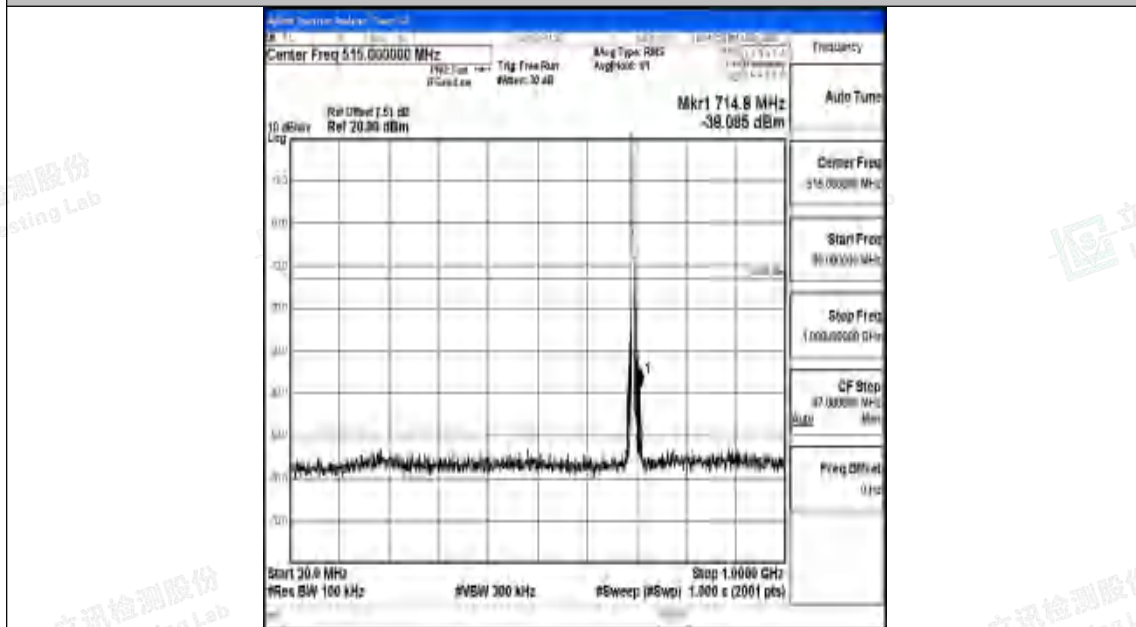


Band12\_5MHz\_16QAM\_23035\_1RB#0\_0.009~0.15\_0.009~0.15



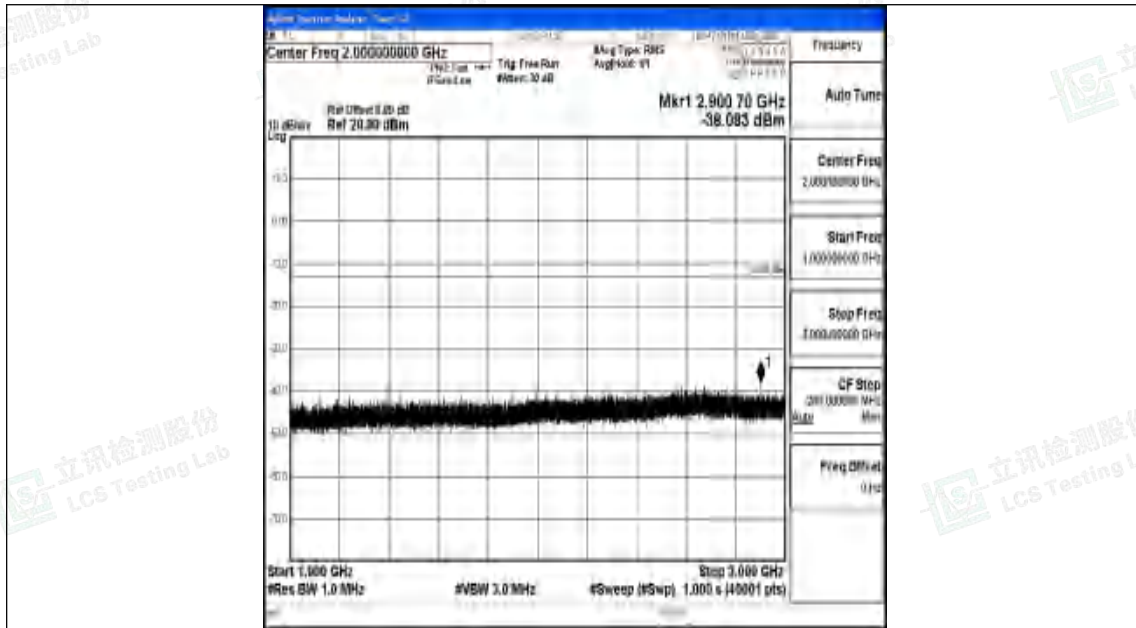
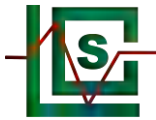


Band12\_5MHz\_16QAM\_23035\_1RB#0\_0.15~30\_0.15~30

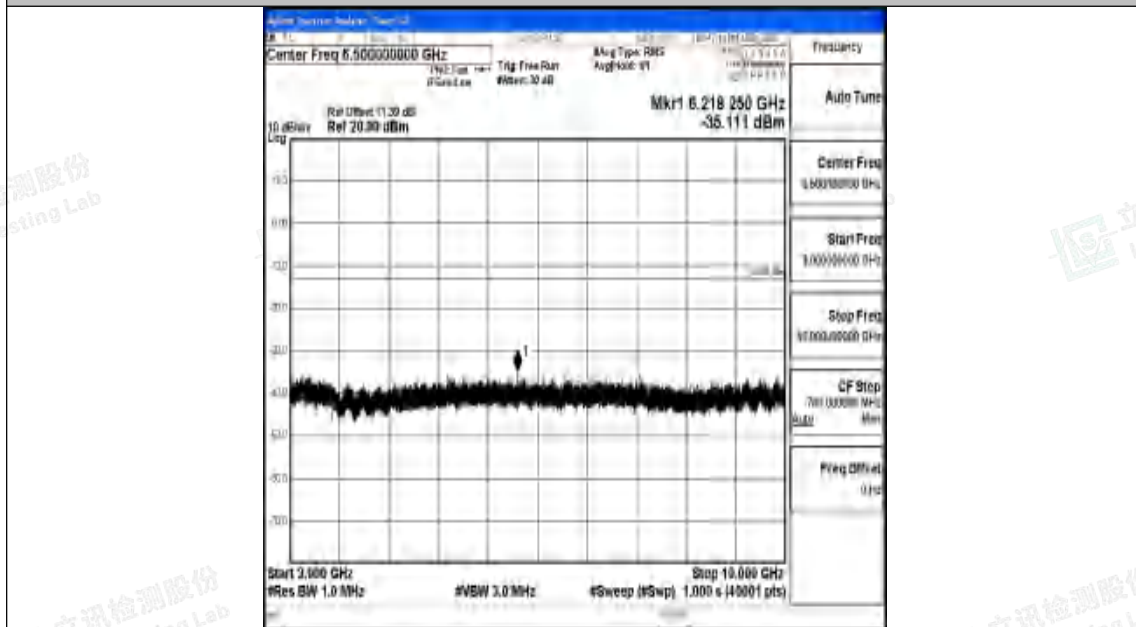


Band12\_5MHz\_16QAM\_23035\_1RB#0\_30~1000\_30~1000



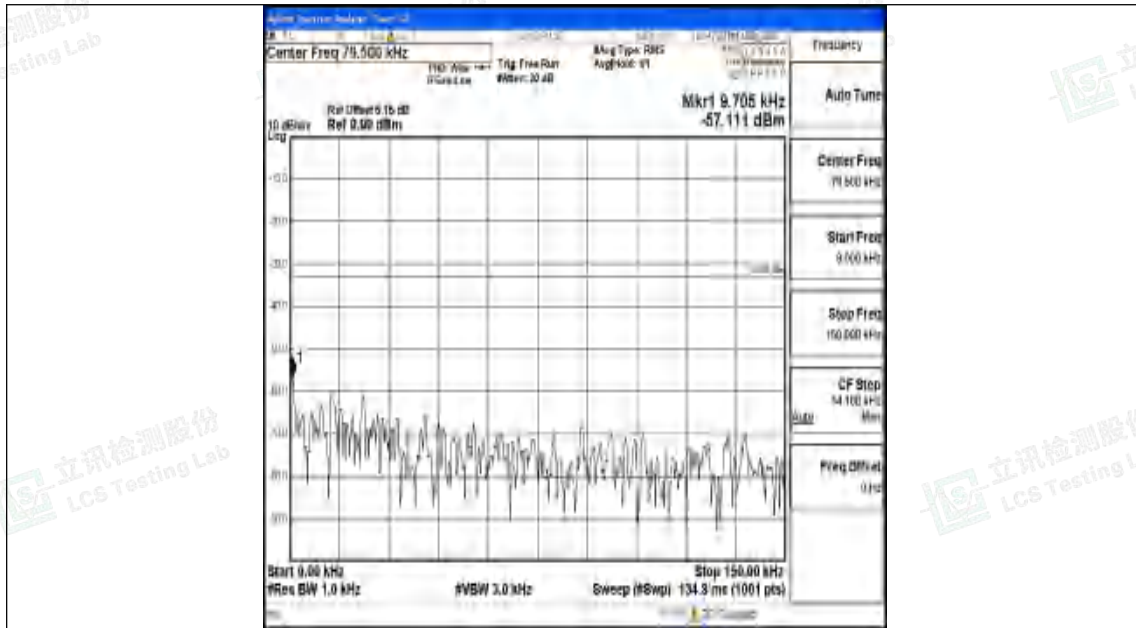
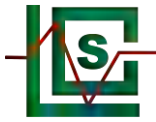


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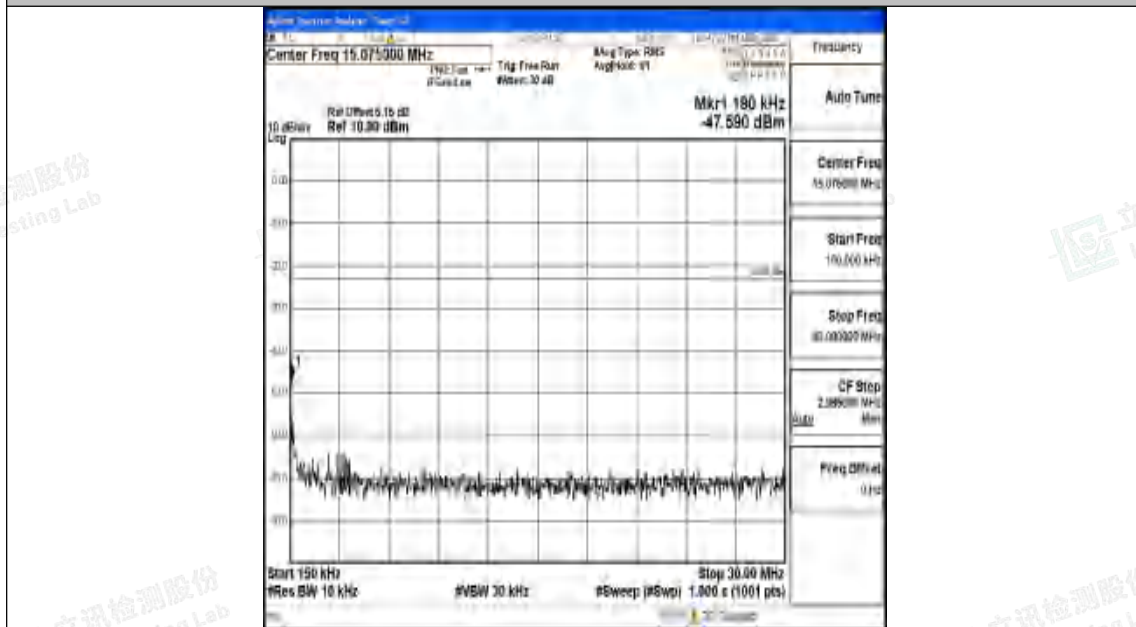


Band12\_5MHz\_16QAM\_23035\_1RB#0\_3000~10000\_3000~10000



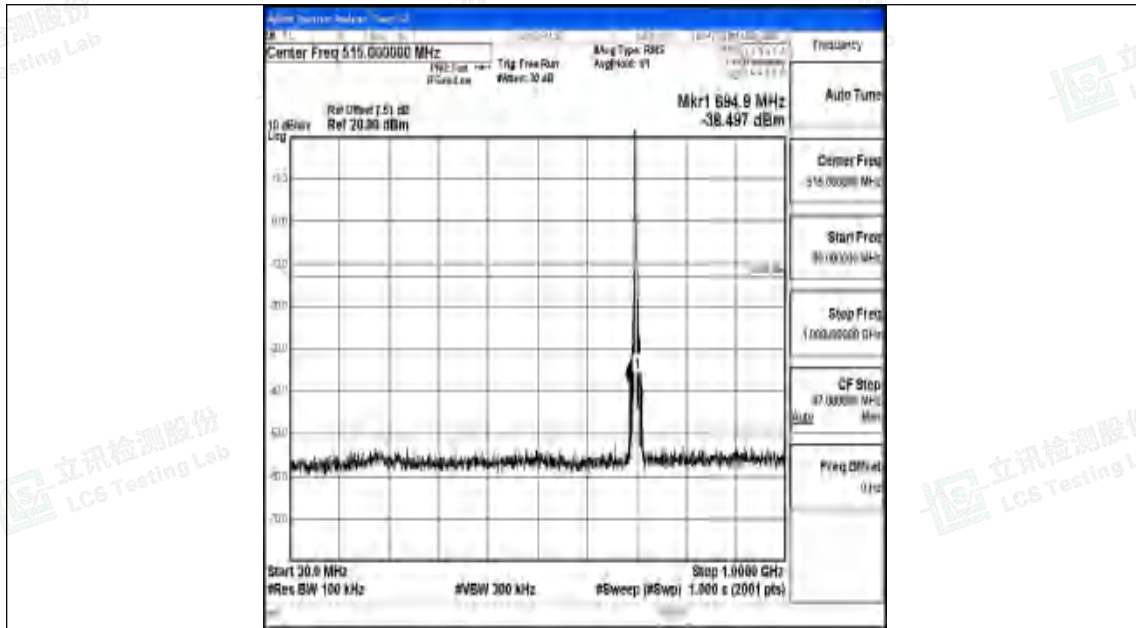
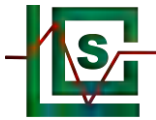


Band12\_5MHz\_QPSK\_23095\_1RB#0\_0.009~0.15\_0.009~0.15

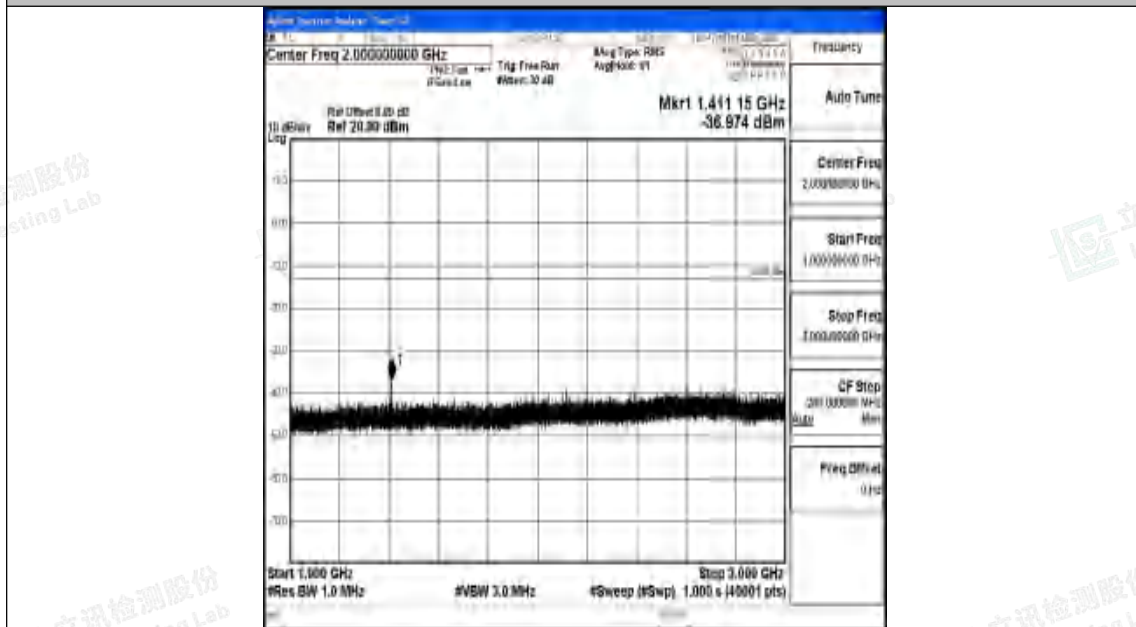


Band12\_5MHz\_QPSK\_23095\_1RB#0\_0.15~30\_0.15~30



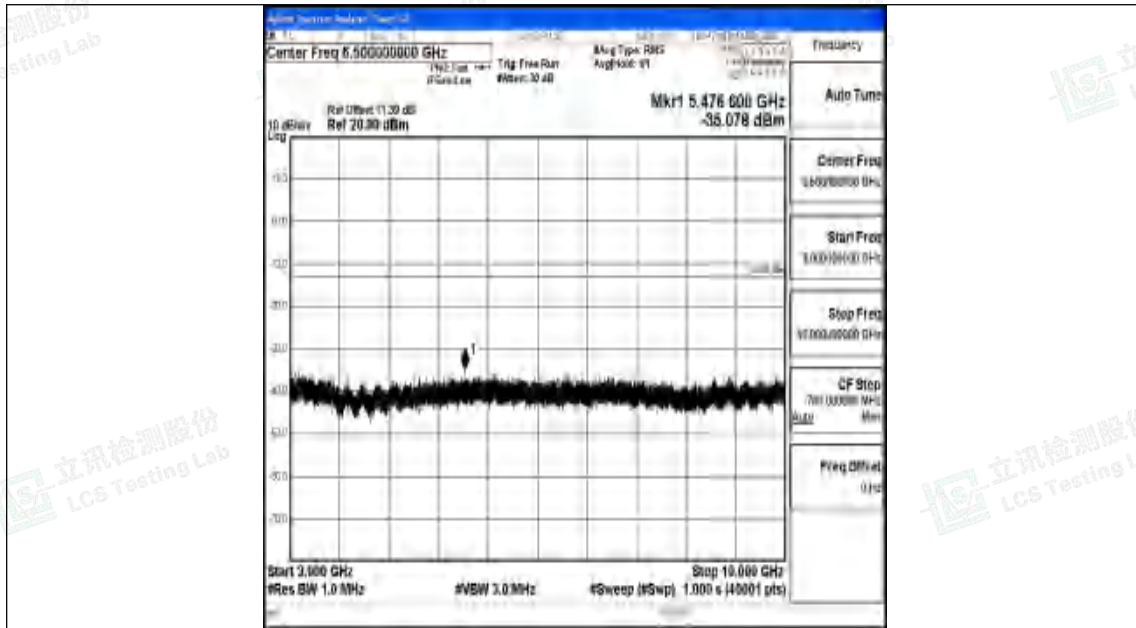
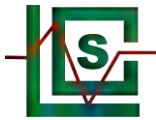


Band12\_5MHz\_QPSK\_23095\_1RB#0\_30~1000\_30~1000

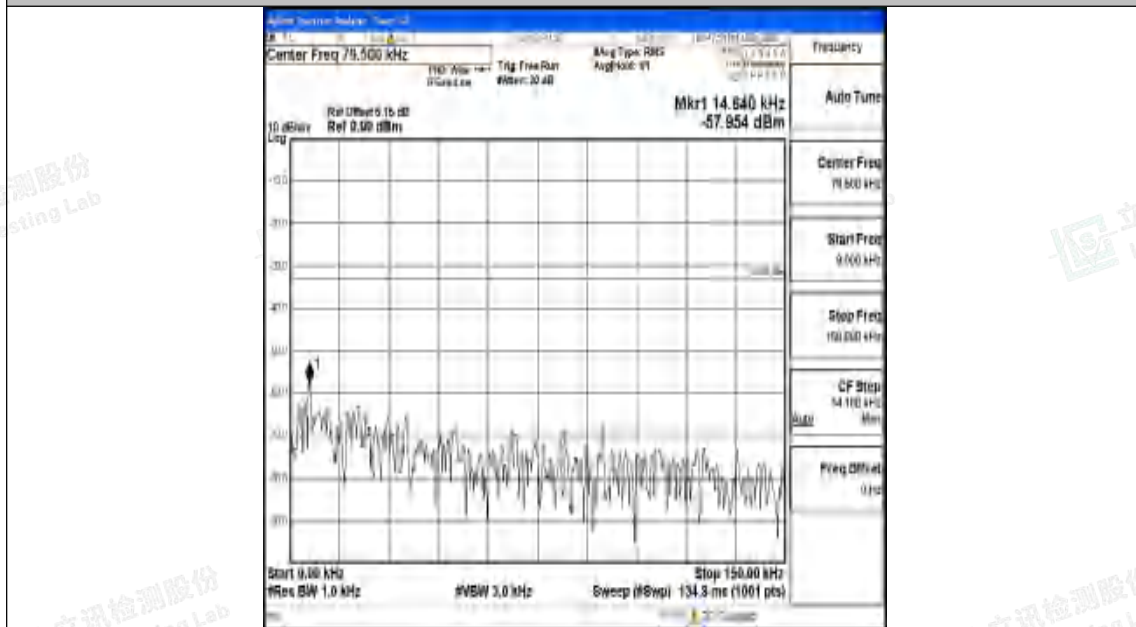


Band12\_5MHz\_QPSK\_23095\_1RB#0\_1000~3000\_1000~3000



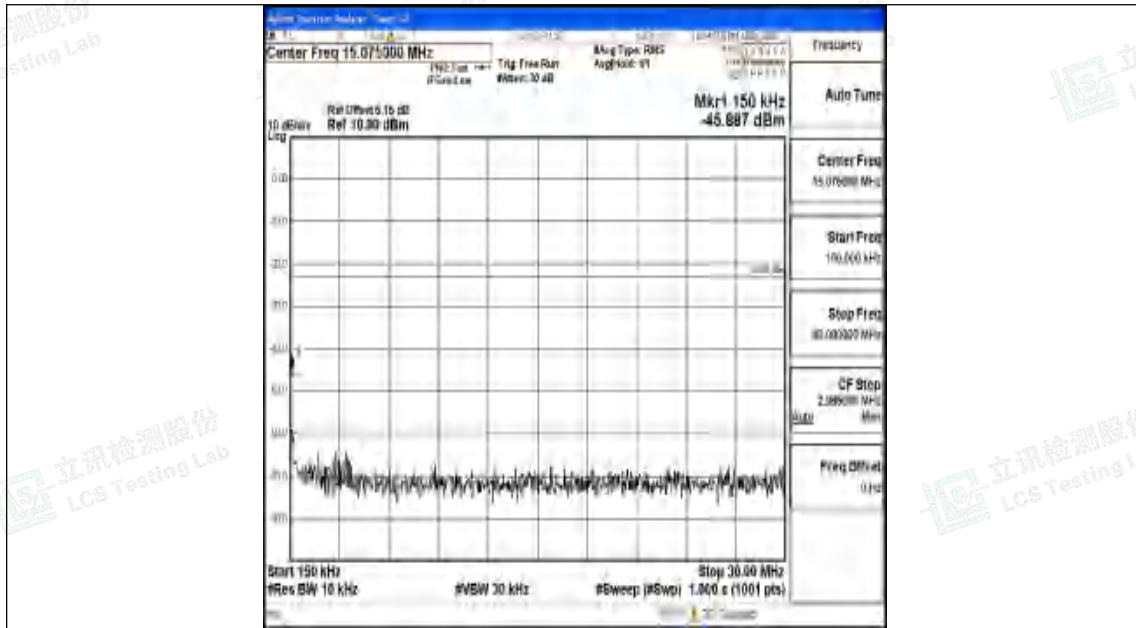
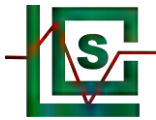


Band12\_5MHz\_QPSK\_23095\_1RB#0\_3000~10000\_3000~10000

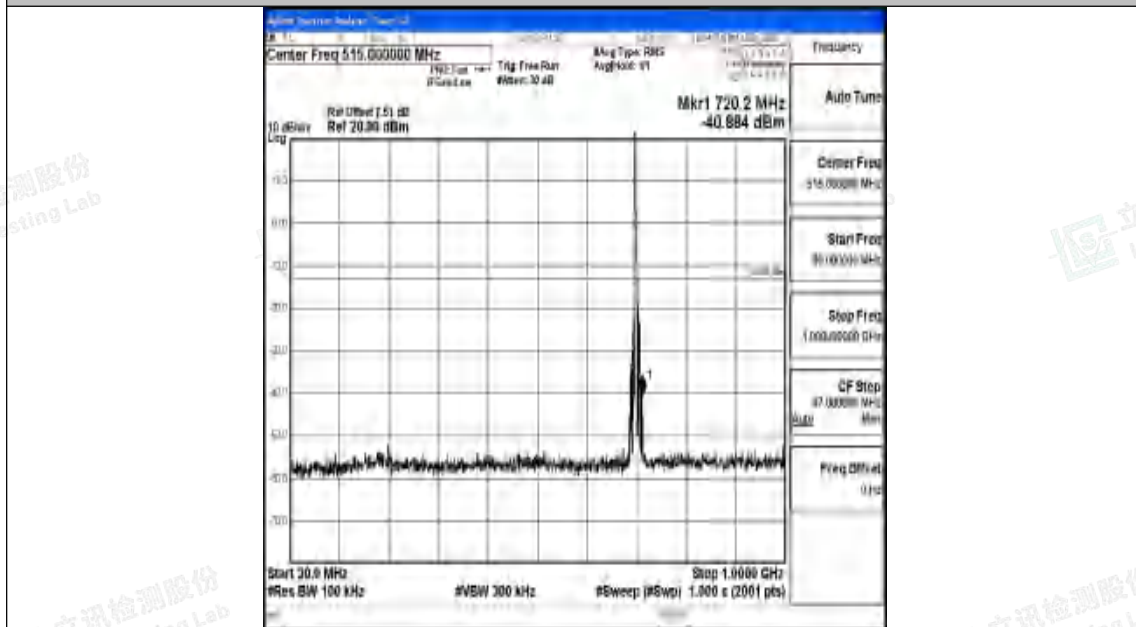


Band12\_5MHz\_16QAM\_23095\_1RB#0\_0.009~0.15\_0.009~0.15



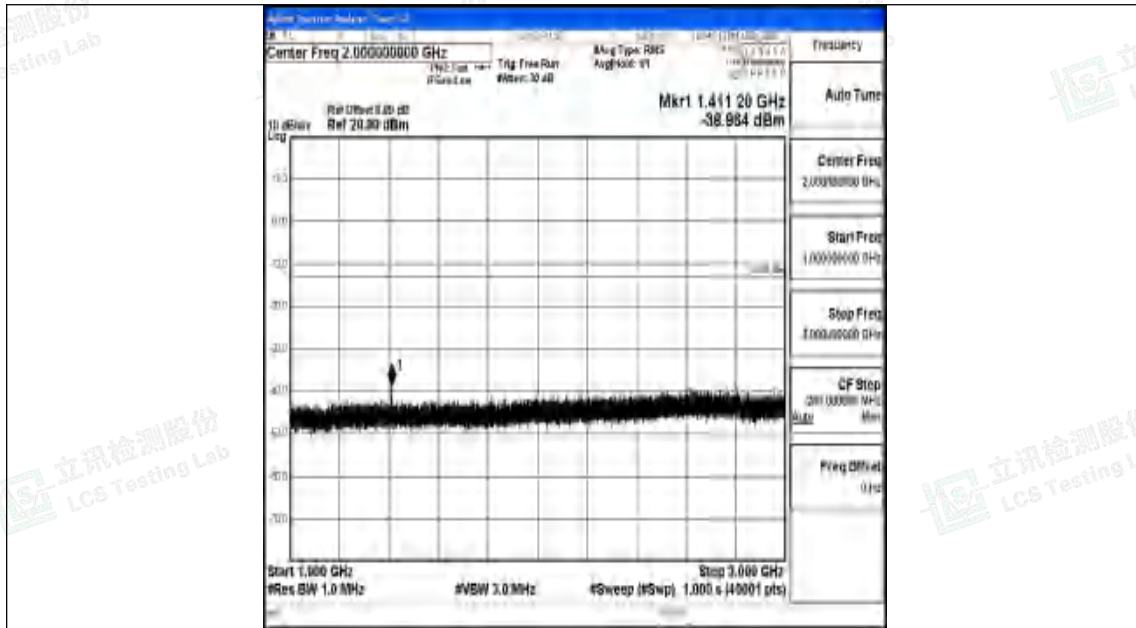
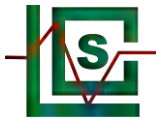


Band12\_5MHz\_16QAM\_23095\_1RB#0\_0.15~30\_0.15~30

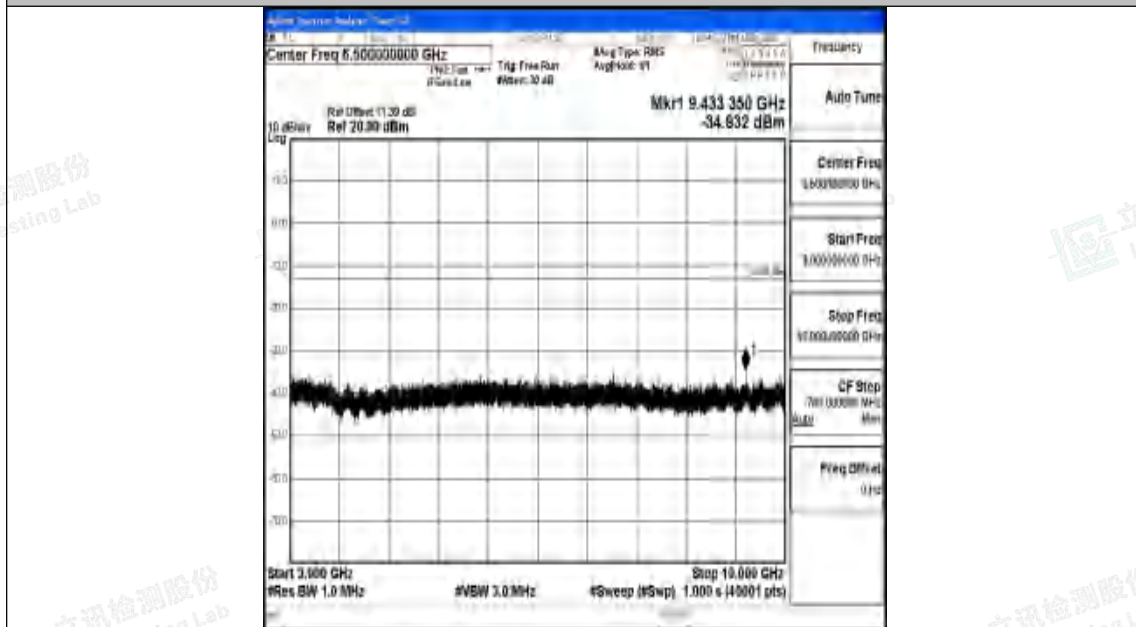


Band12\_5MHz\_16QAM\_23095\_1RB#0\_30~1000\_30~1000



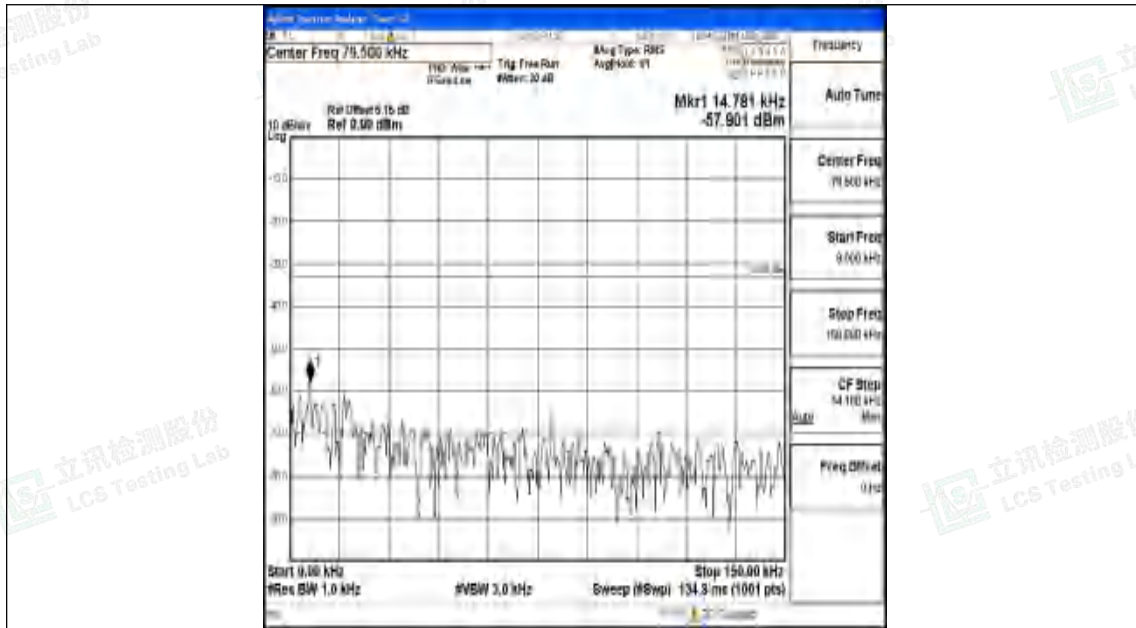
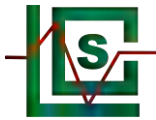


Band12\_5MHz\_16QAM\_23095\_1RB#0\_1000~3000\_1000~3000

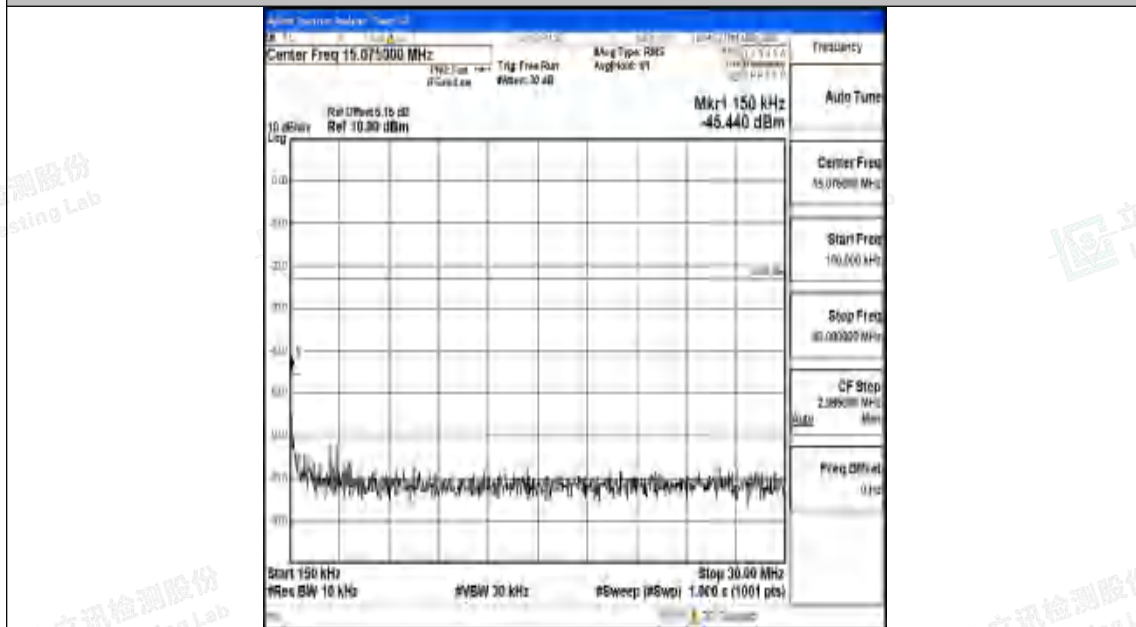


Band12\_5MHz\_16QAM\_23095\_1RB#0\_3000~10000\_3000~10000



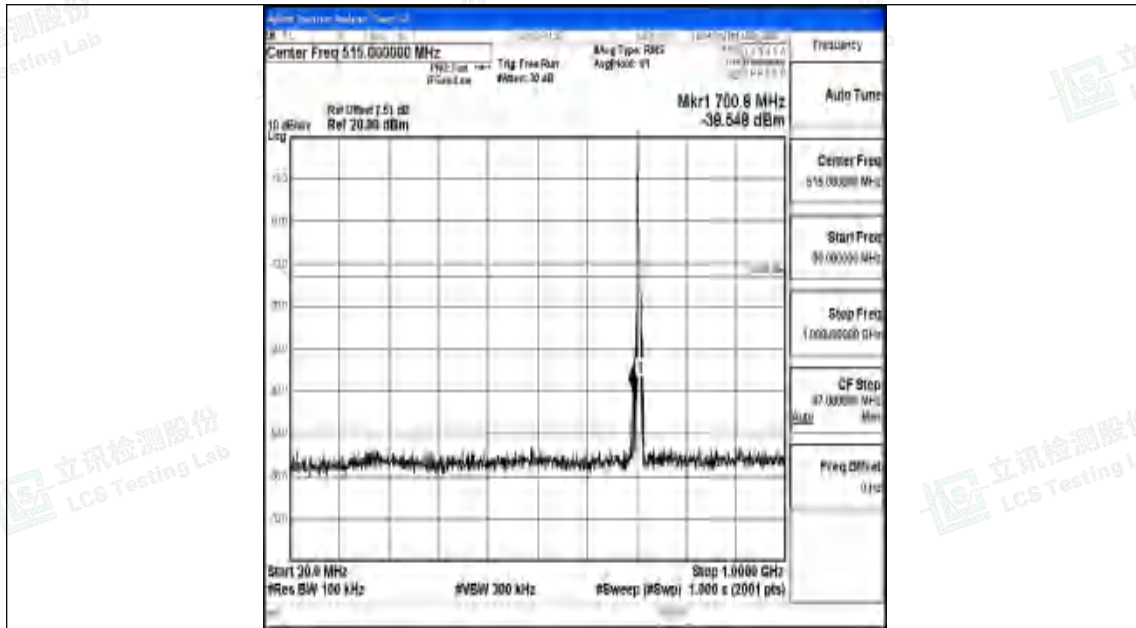
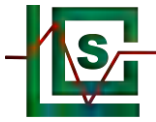


Band12\_5MHz\_QPSK\_23155\_1RB#0\_0.009~0.15\_0.009~0.15

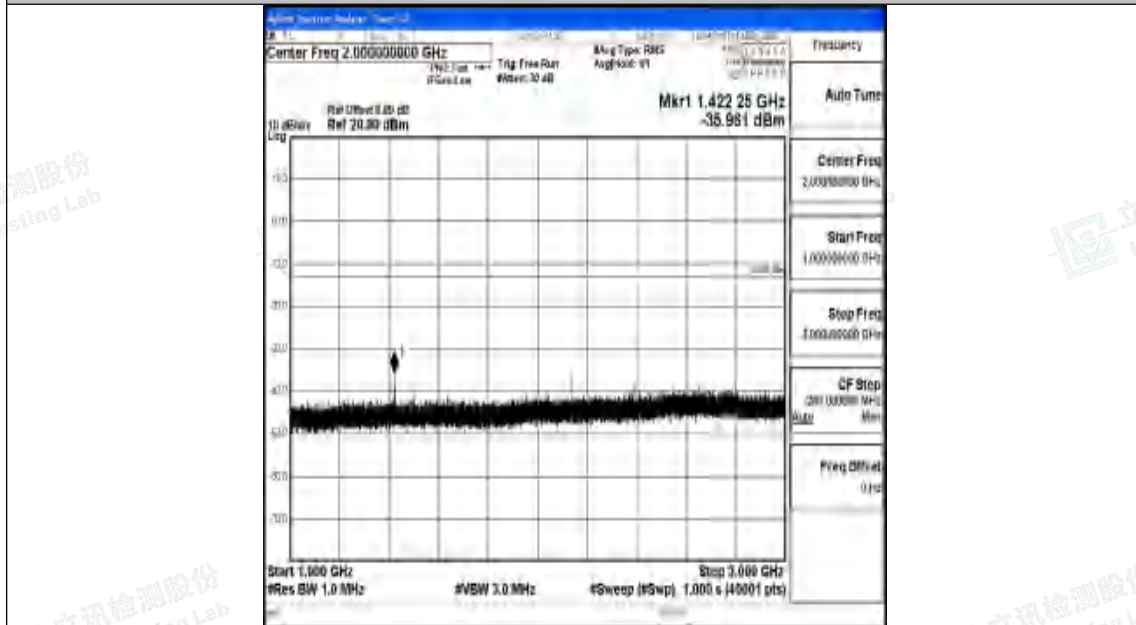


Band12\_5MHz\_QPSK\_23155\_1RB#0\_0.15~30\_0.15~30



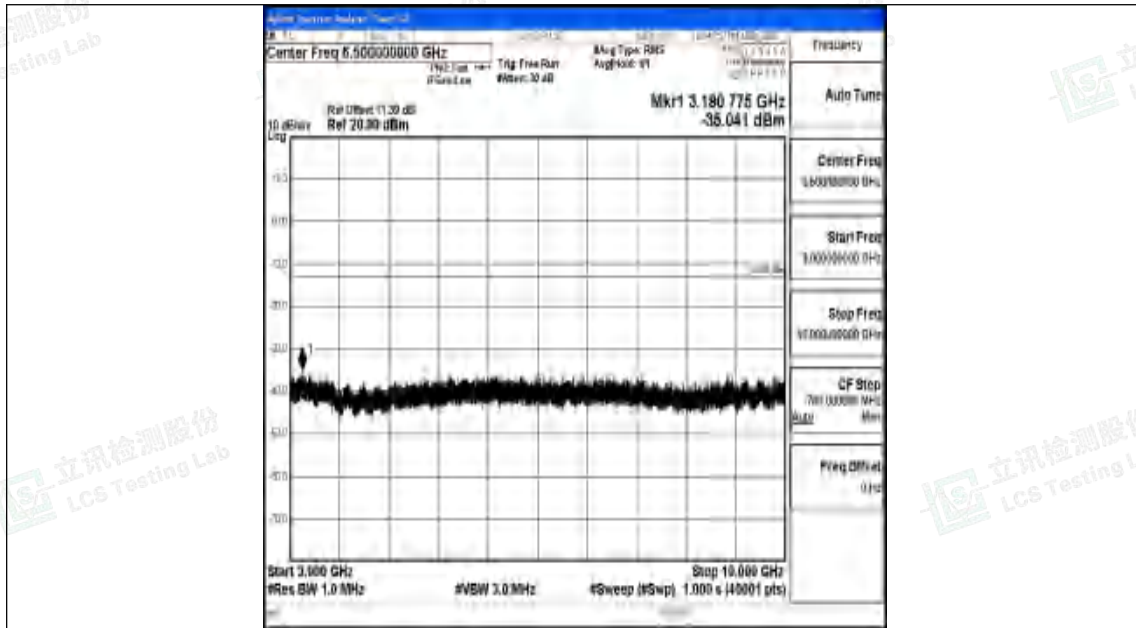
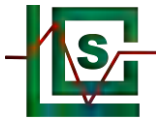


Band12\_5MHz\_QPSK\_23155\_1RB#0\_30~1000\_30~1000

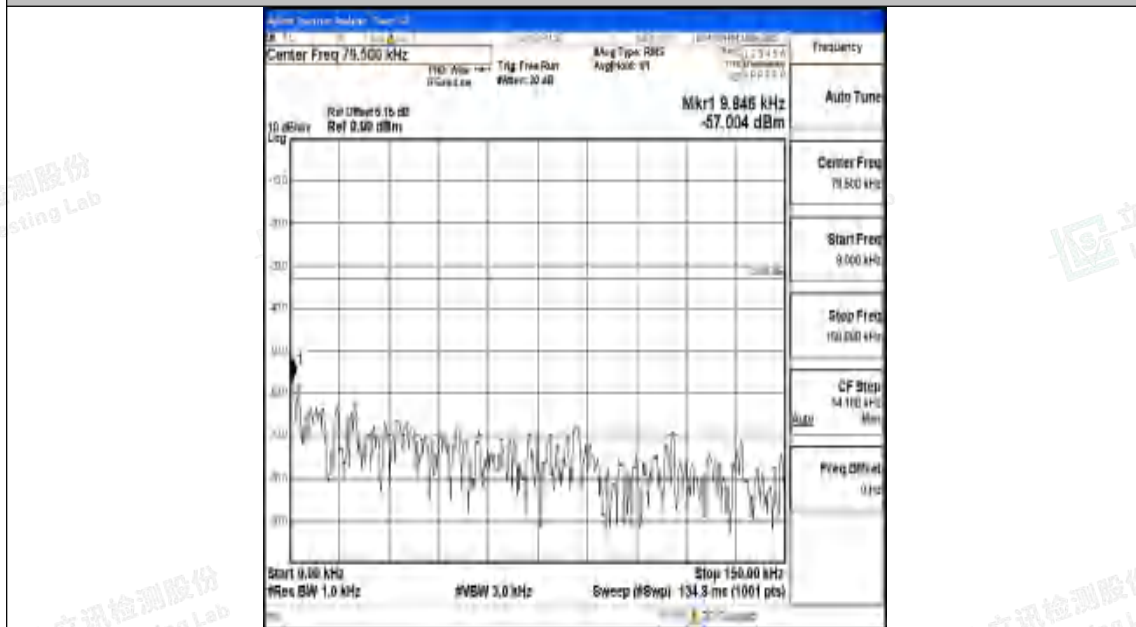


Band12\_5MHz\_QPSK\_23155\_1RB#0\_1000~3000\_1000~3000



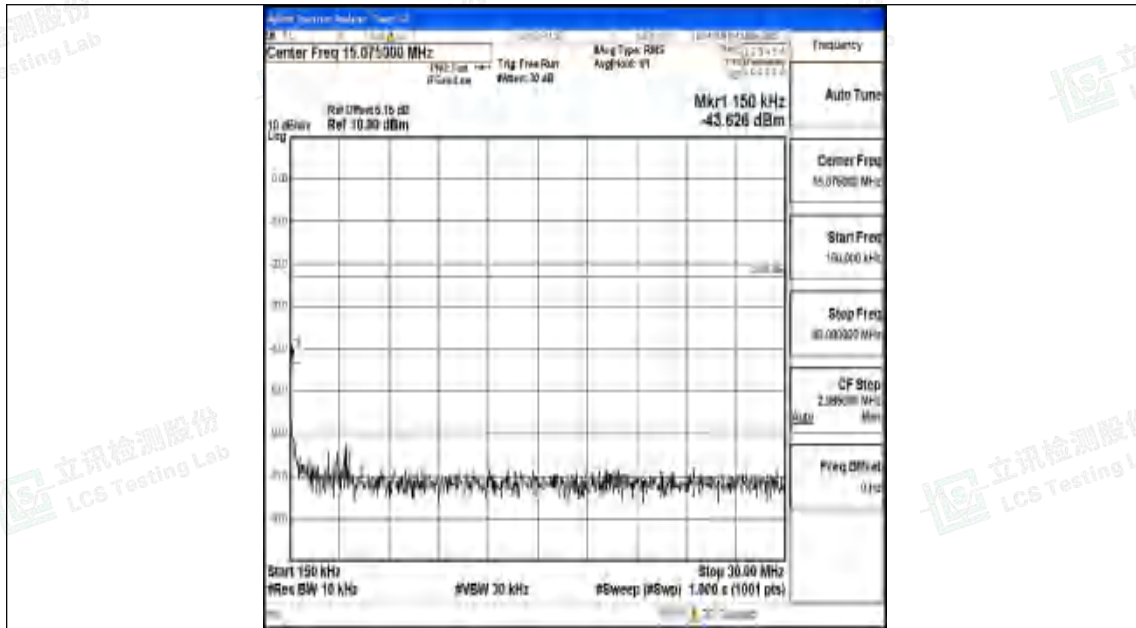
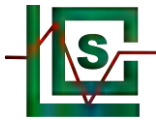


Band12\_5MHz\_QPSK\_23155\_1RB#0\_3000~10000\_3000~10000

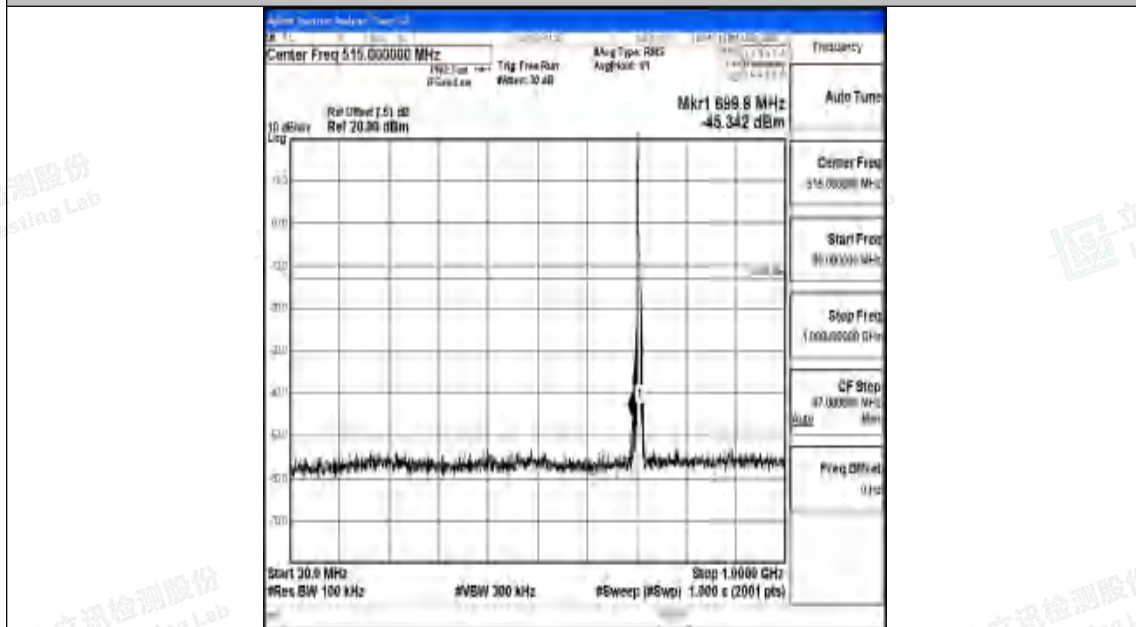


Band12\_5MHz\_16QAM\_23155\_1RB#0\_0.009~0.15\_0.009~0.15



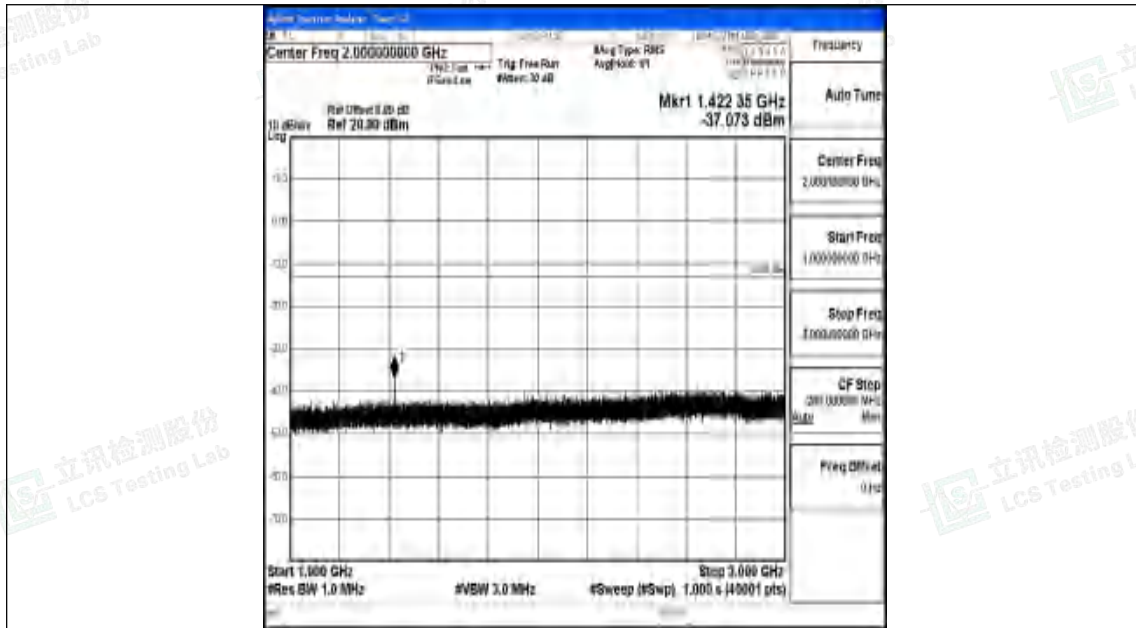
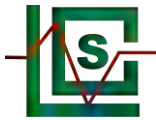


Band12\_5MHz\_16QAM\_23155\_1RB#0\_0.15~30\_0.15~30

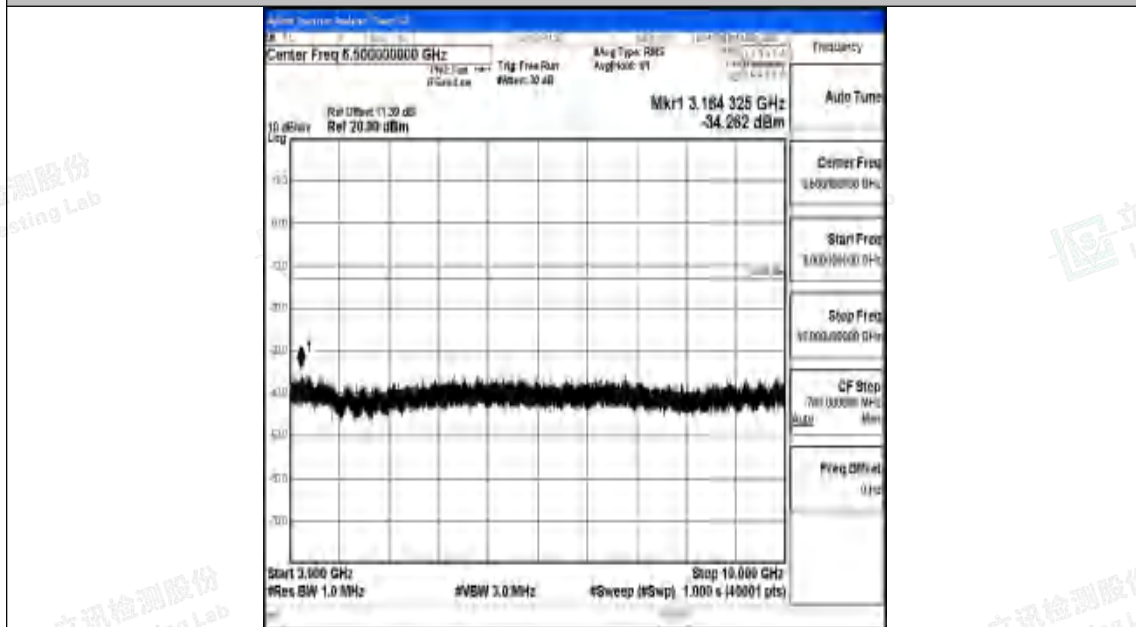


Band12\_5MHz\_16QAM\_23155\_1RB#0\_30~1000\_30~1000



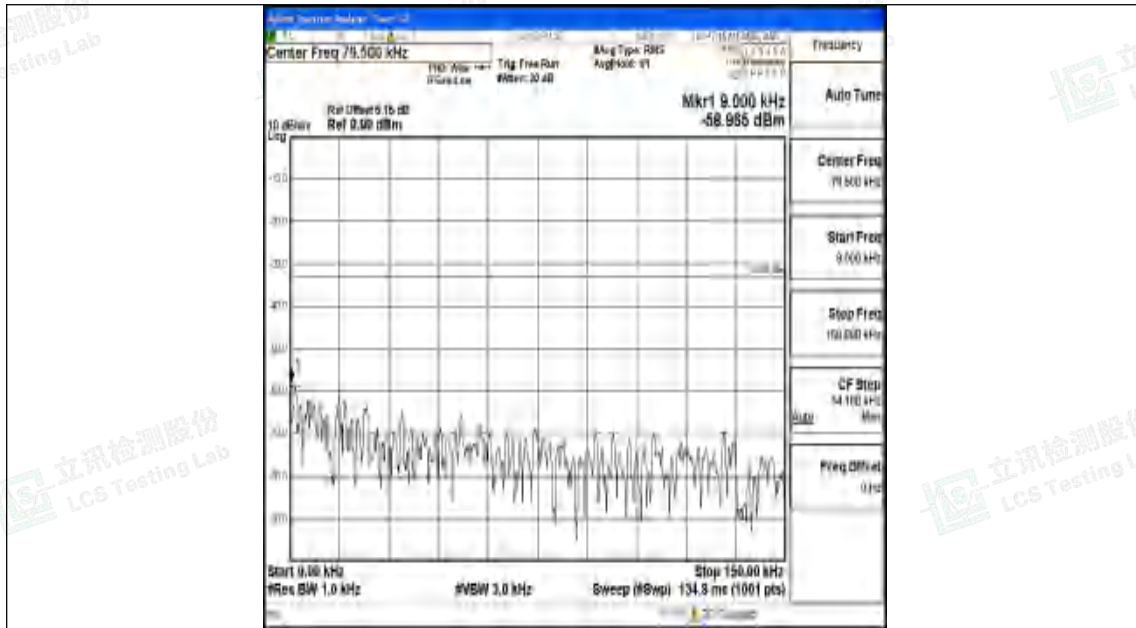
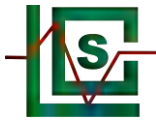


Band12\_5MHz\_16QAM\_23155\_1RB#0\_1000~3000\_1000~3000

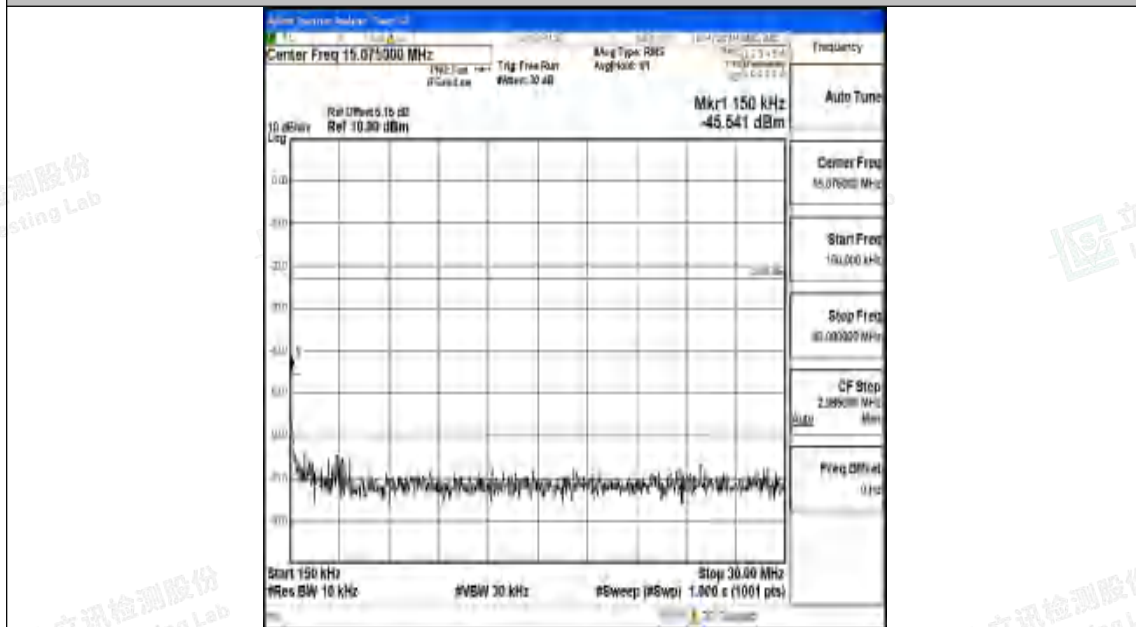


Band12\_5MHz\_16QAM\_23155\_1RB#0\_3000~10000\_3000~10000



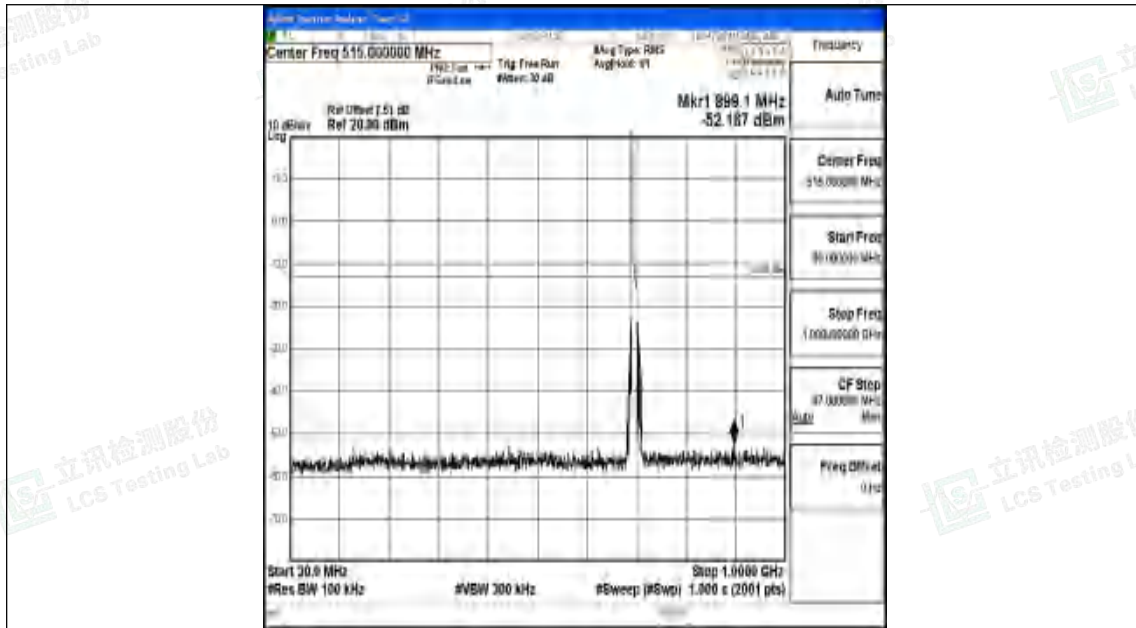
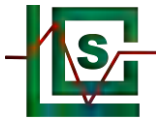


Band12\_10MHz\_QPSK\_23060\_1RB#0\_0.009~0.15\_0.009~0.15

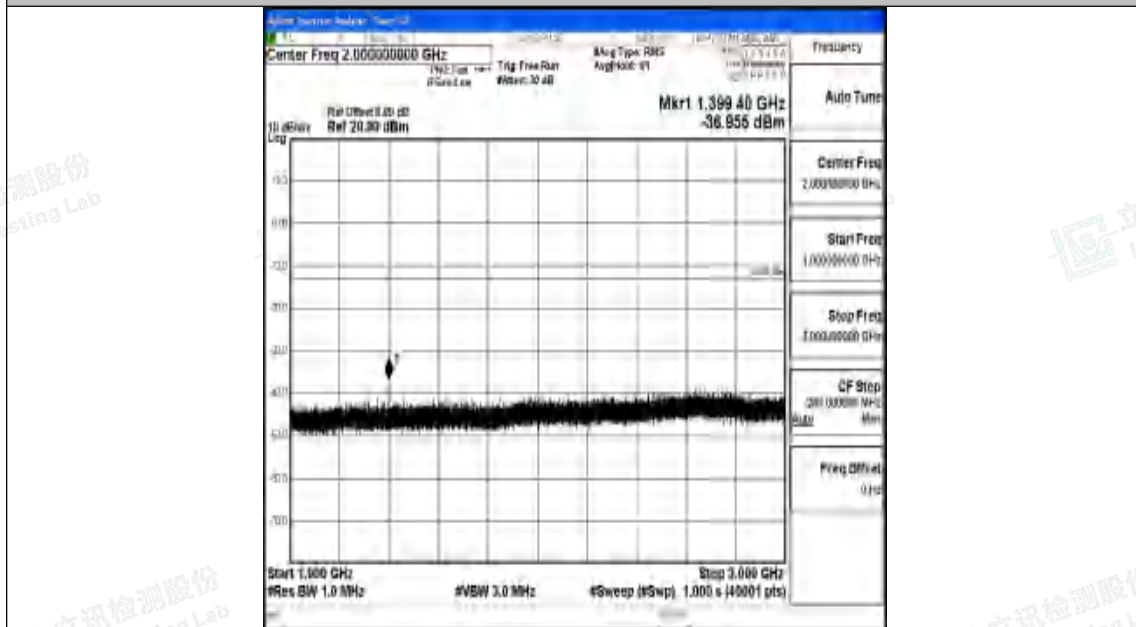


Band12\_10MHz\_QPSK\_23060\_1RB#0\_0.15~30\_0.15~30



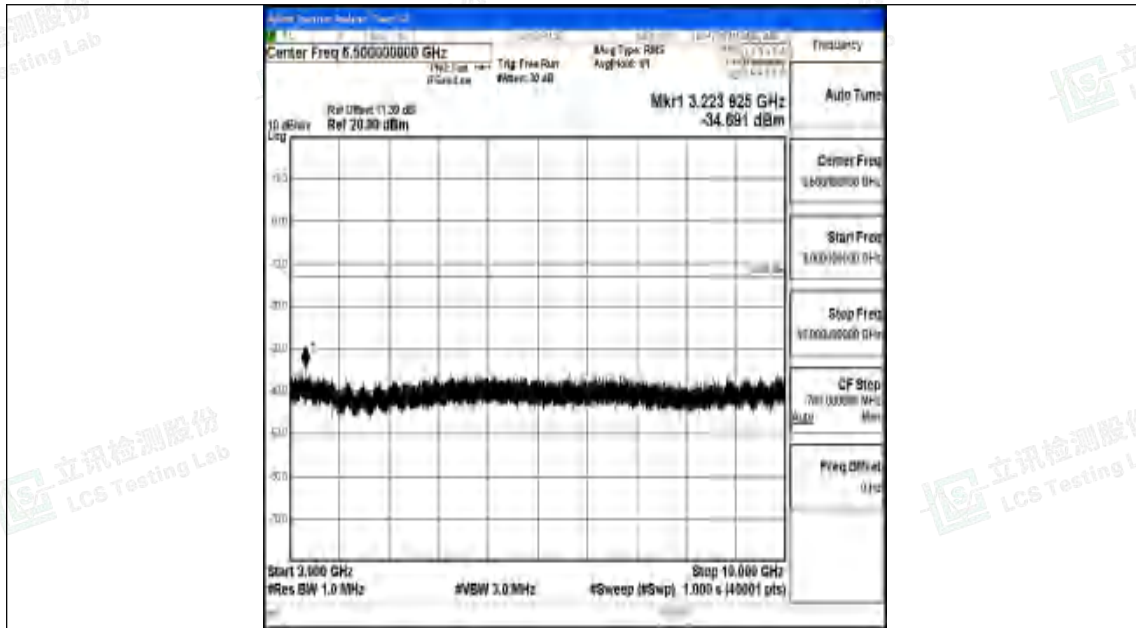
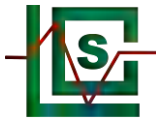


Band12\_10MHz\_QPSK\_23060\_1RB#0\_30~1000\_30~1000

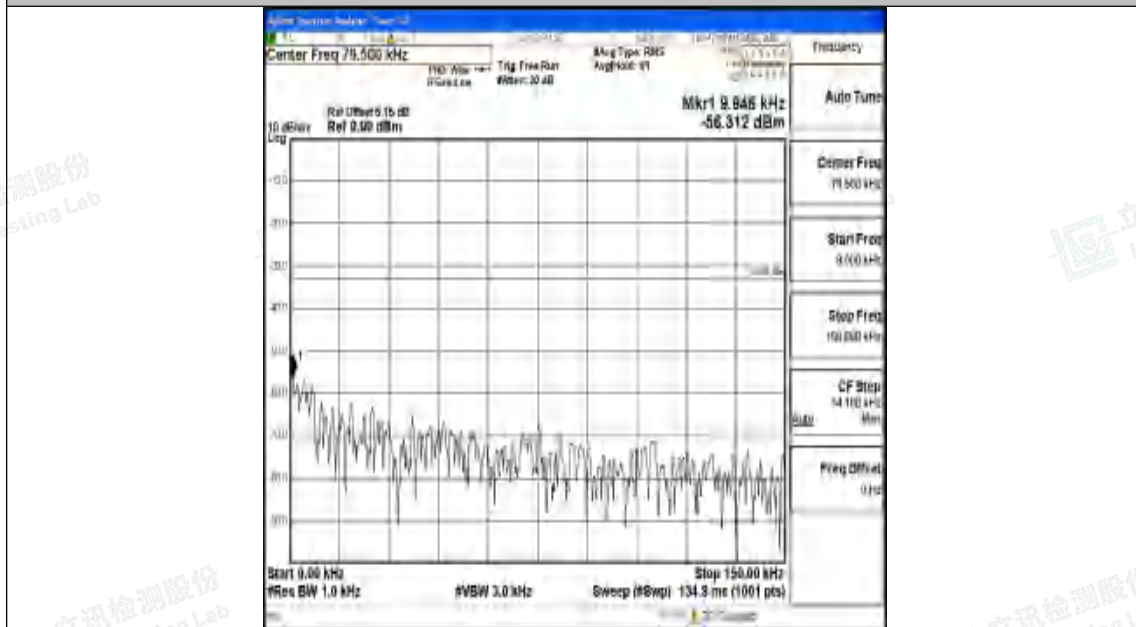


Band12\_10MHz\_QPSK\_23060\_1RB#0\_1000~3000\_1000~3000



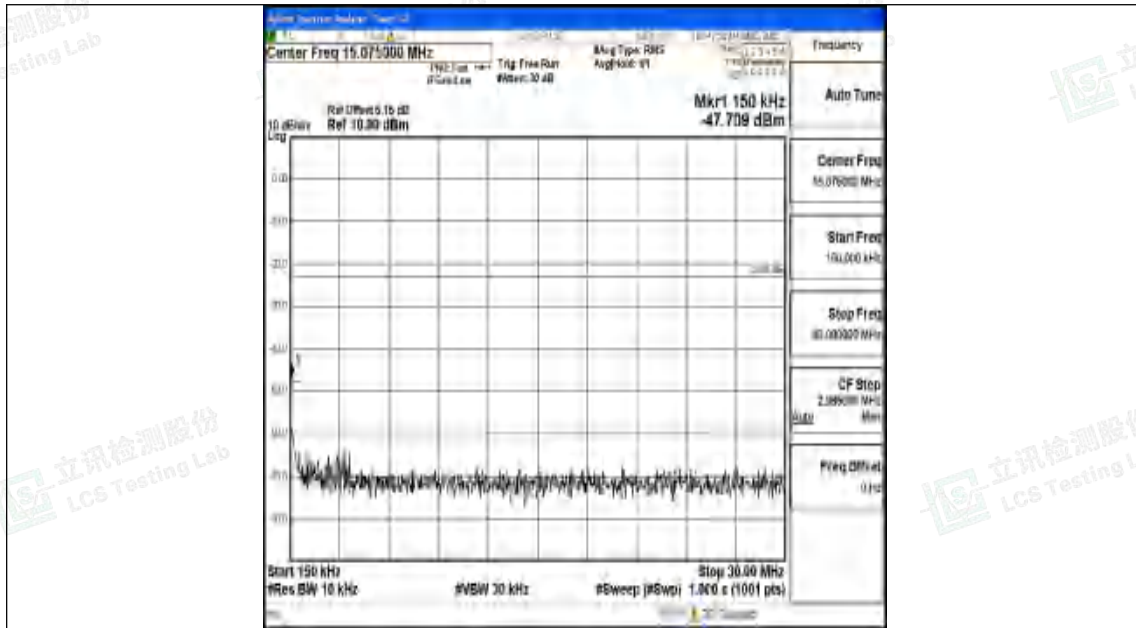
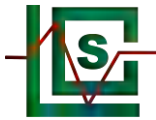


Band12\_10MHz\_QPSK\_23060\_1RB#0\_3000~10000\_3000~10000

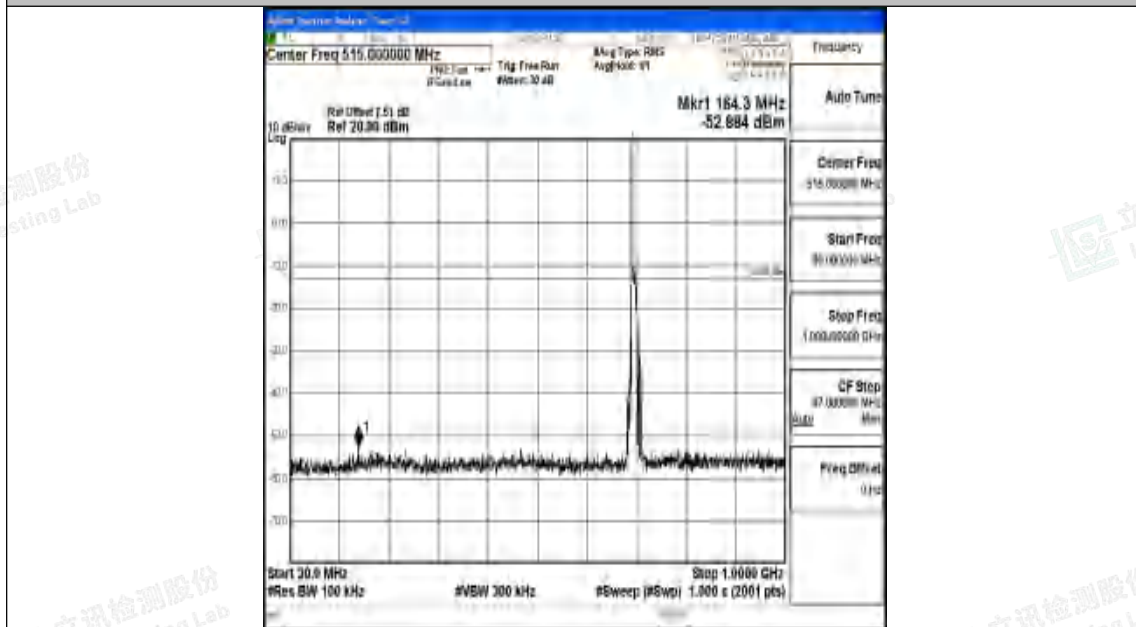


Band12\_10MHz\_16QAM\_23060\_1RB#0\_0.009~0.15\_0.009~0.15



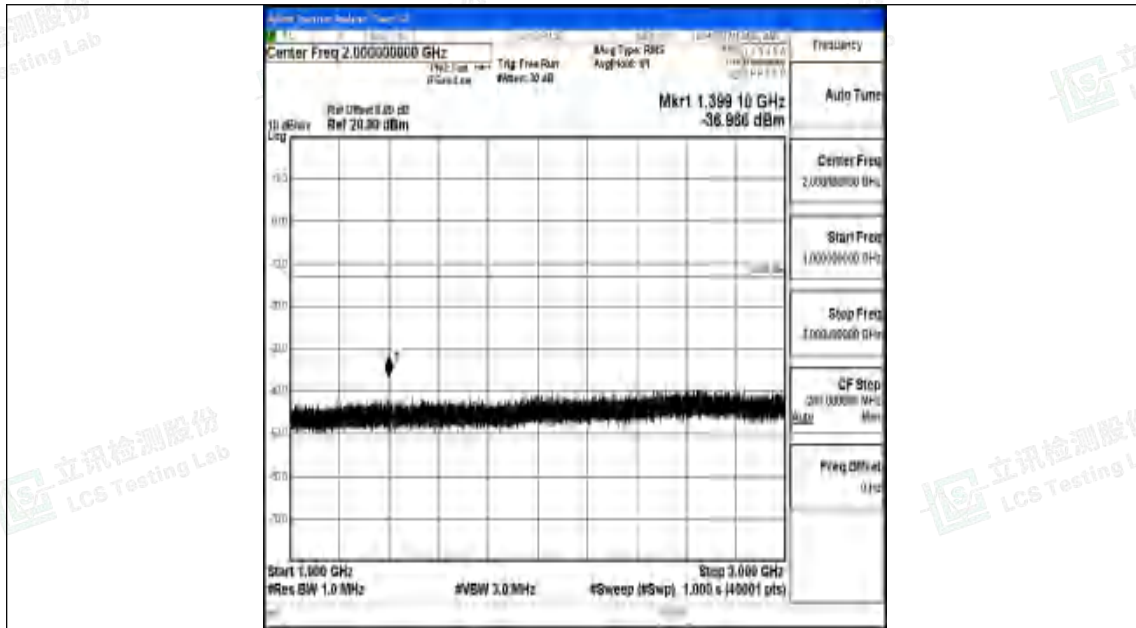
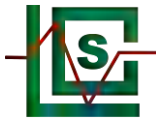


Band12\_10MHz\_16QAM\_23060\_1RB#0\_0.15~30\_0.15~30

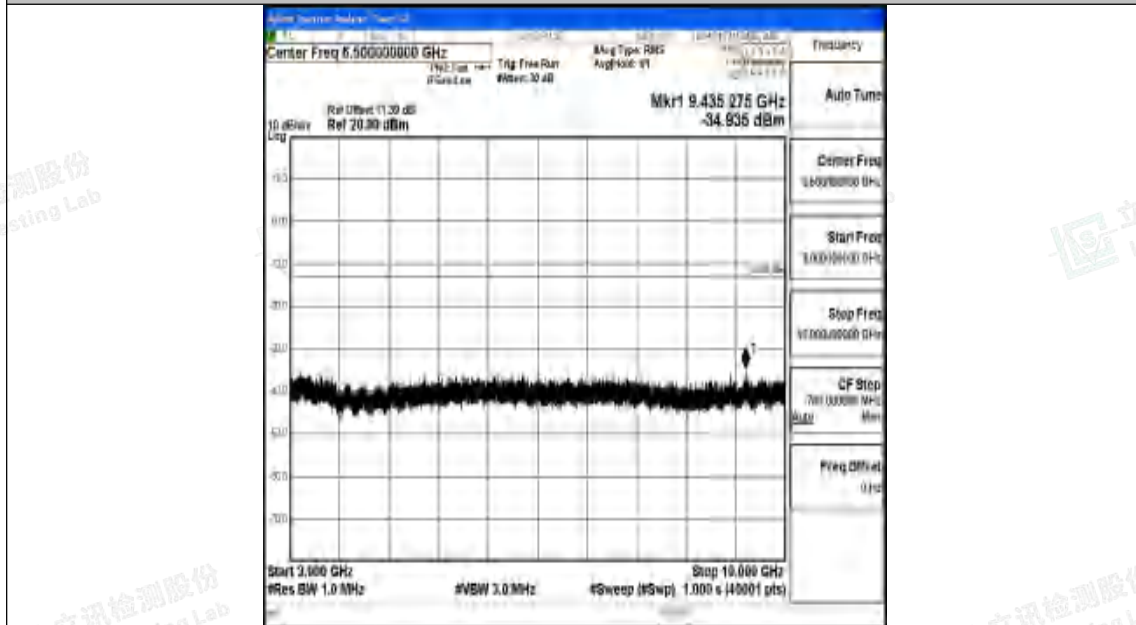


Band12\_10MHz\_16QAM\_23060\_1RB#0\_30~1000\_30~1000



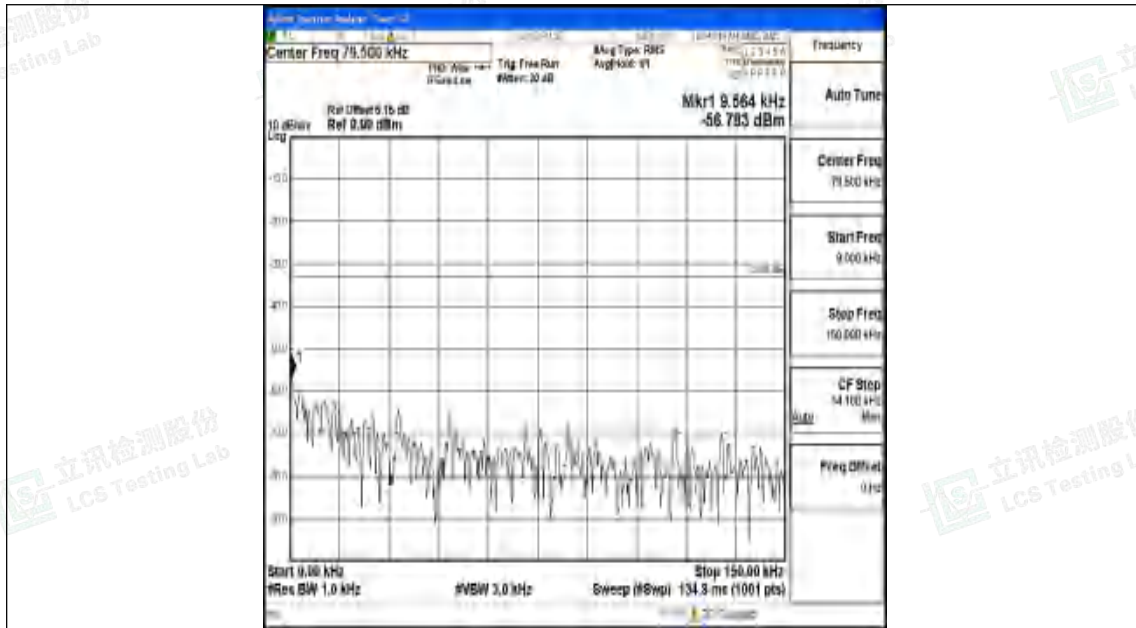
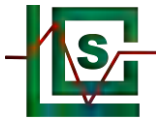


Band12\_10MHz\_16QAM\_23060\_1RB#0\_1000~3000\_1000~3000

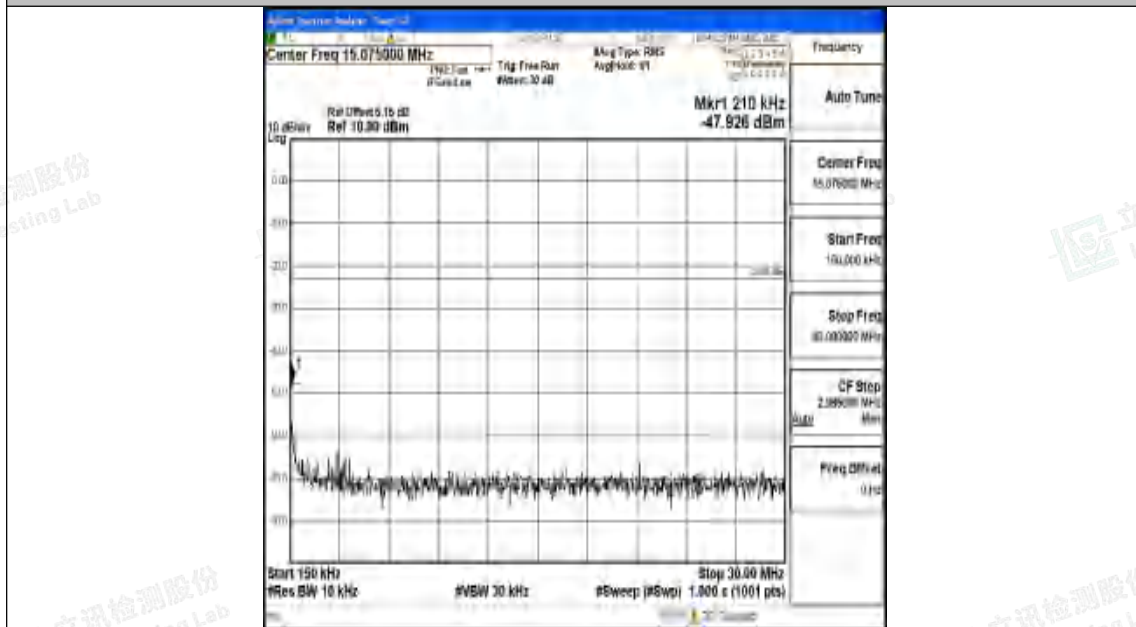


Band12\_10MHz\_16QAM\_23060\_1RB#0\_3000~10000\_3000~10000



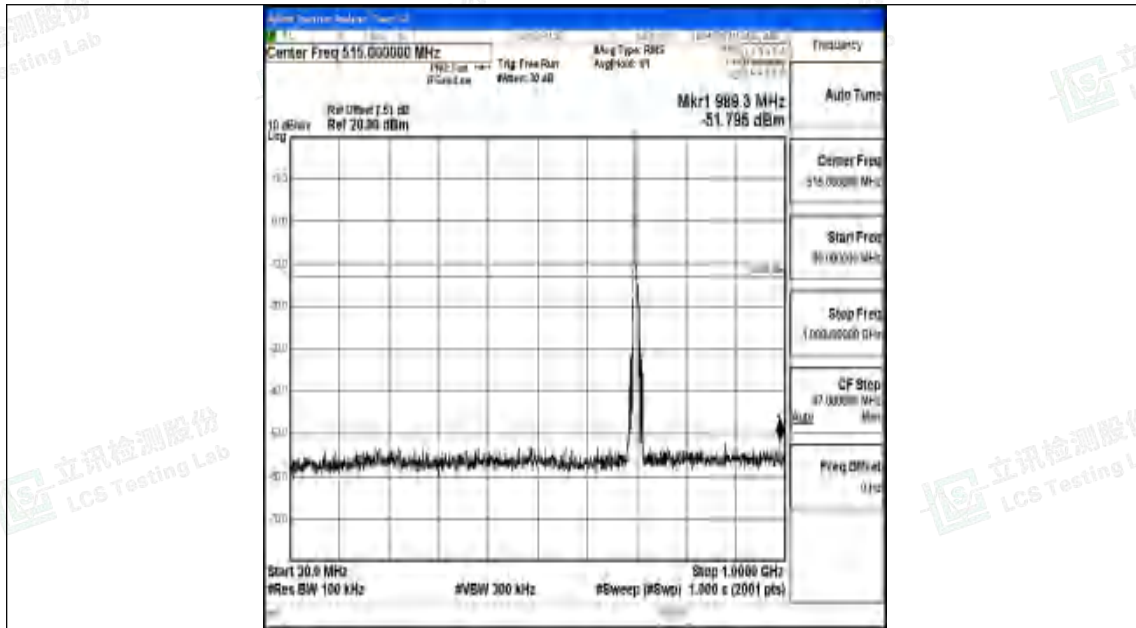
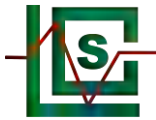


Band12\_10MHz\_QPSK\_23095\_1RB#0\_0.009~0.15\_0.009~0.15

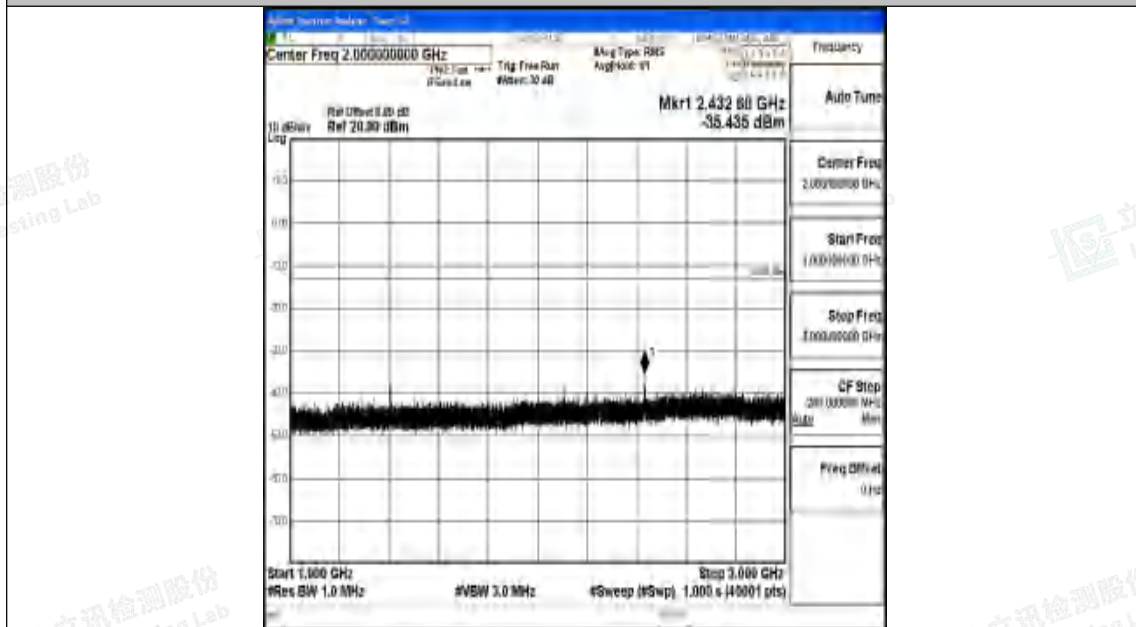


Band12\_10MHz\_QPSK\_23095\_1RB#0\_0.15~30\_0.15~30



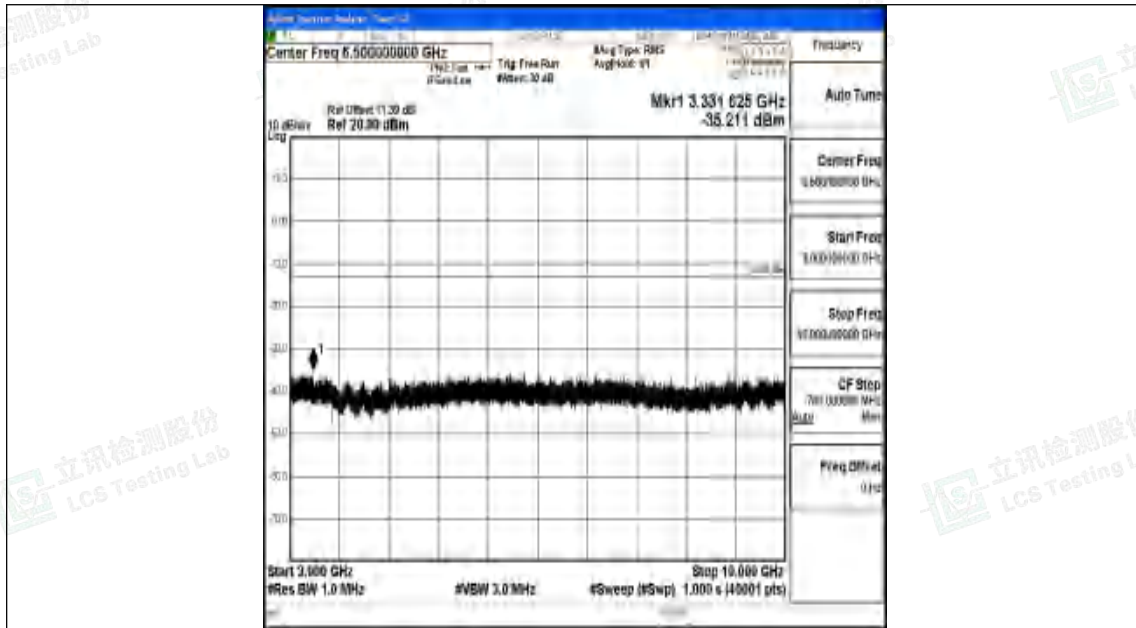
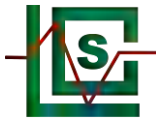


Band12\_10MHz\_QPSK\_23095\_1RB#0\_30~1000\_30~1000

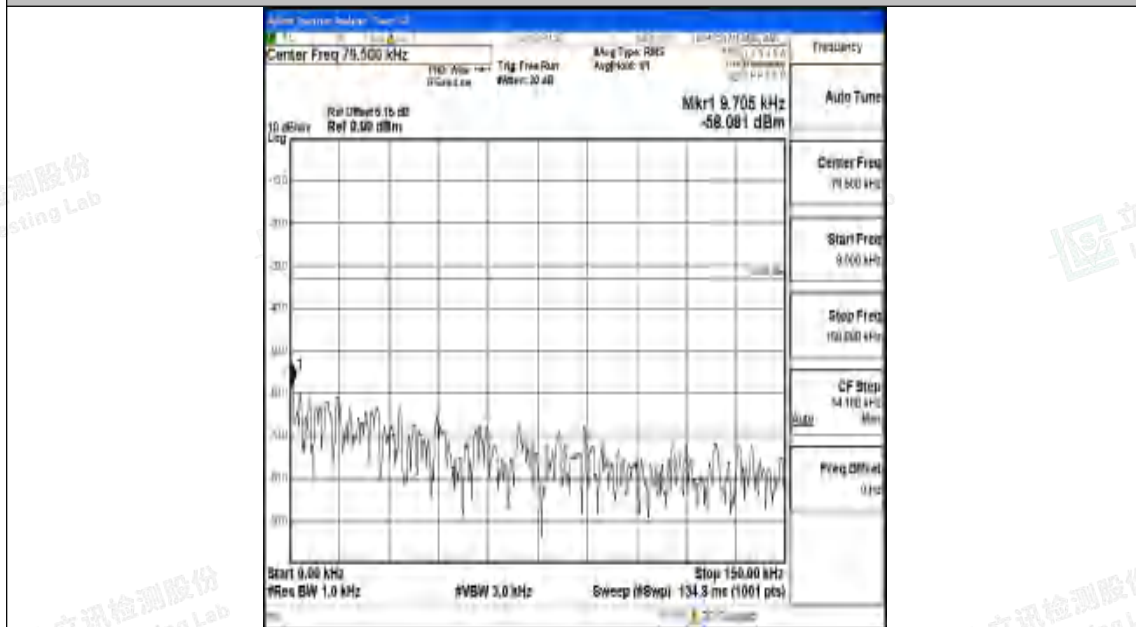


Band12\_10MHz\_QPSK\_23095\_1RB#0\_1000~3000\_1000~3000



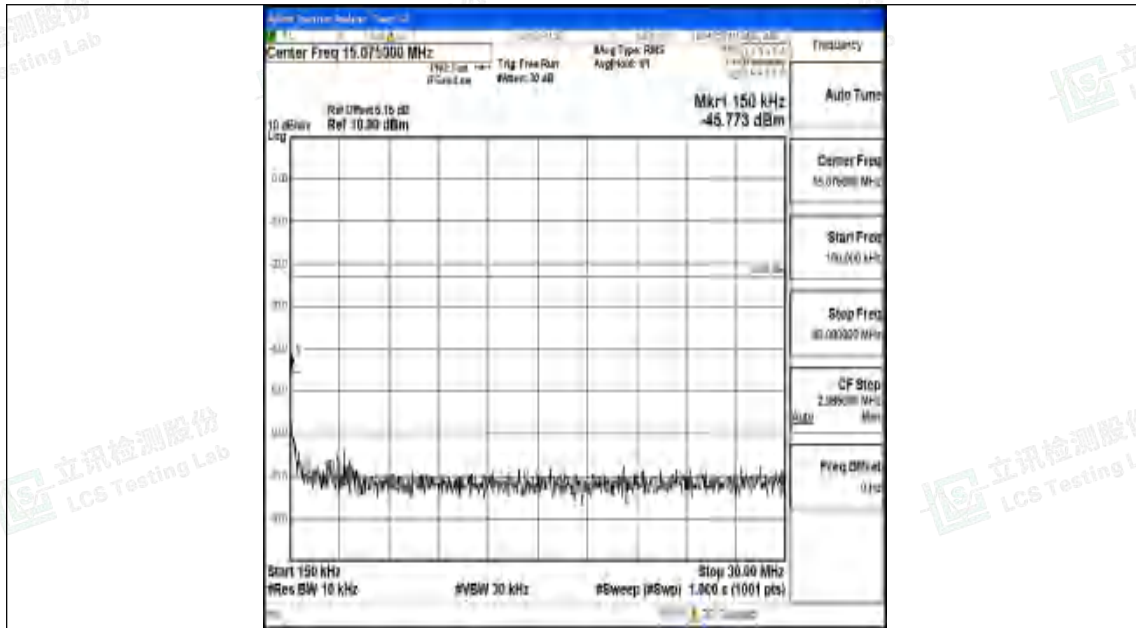
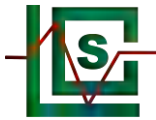


Band12\_10MHz\_QPSK\_23095\_1RB#0\_3000~10000\_3000~10000

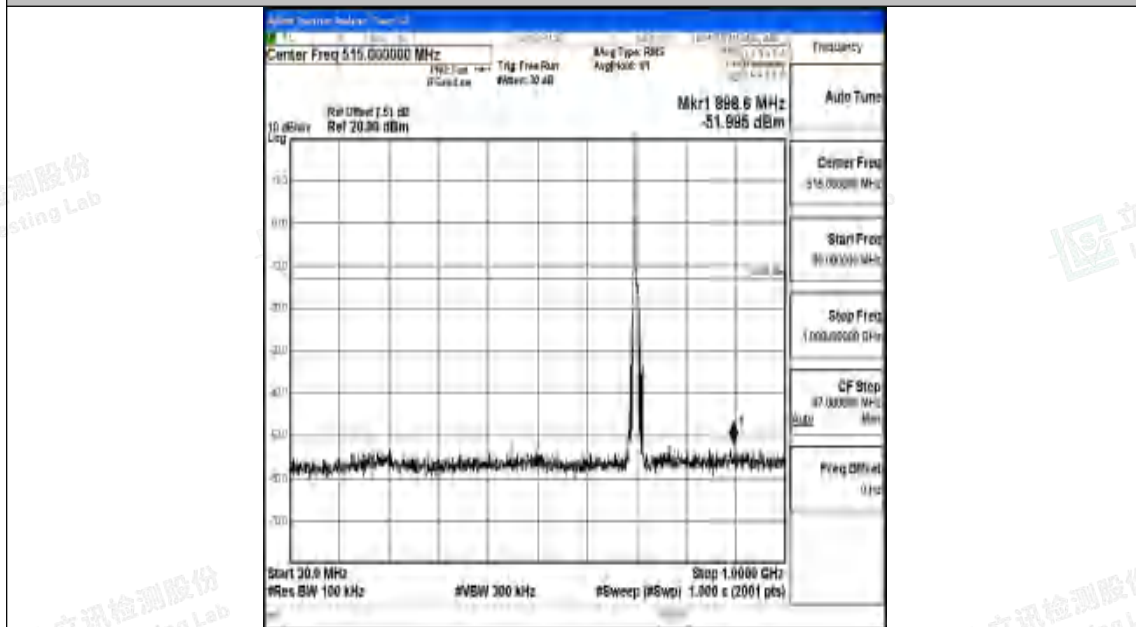


Band12\_10MHz\_16QAM\_23095\_1RB#0\_0.009~0.15\_0.009~0.15



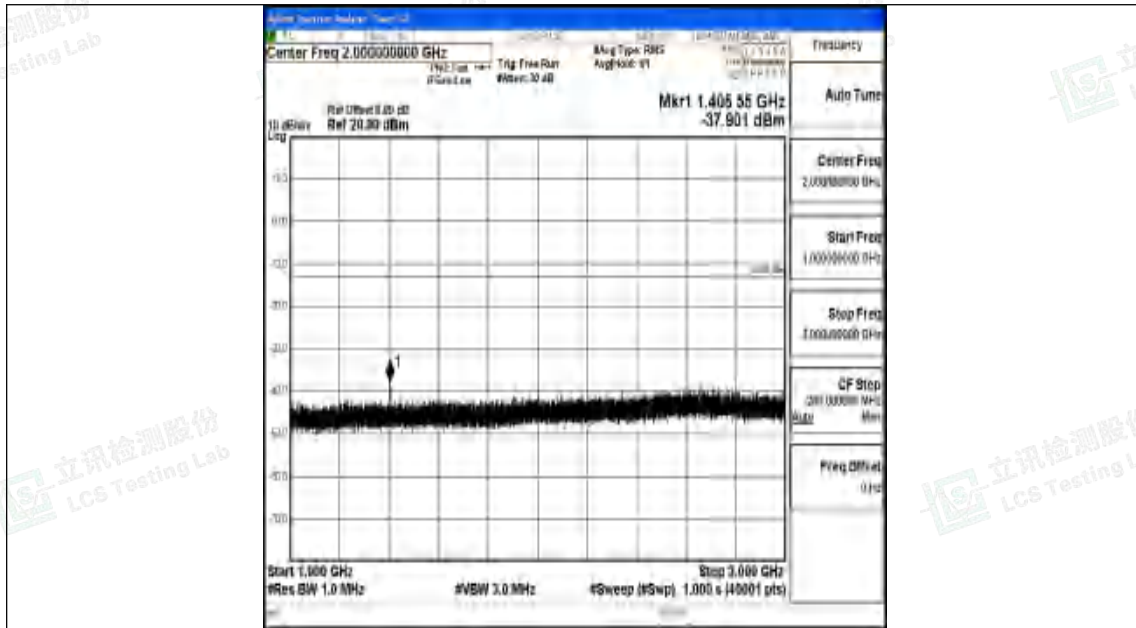
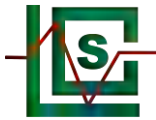


Band12\_10MHz\_16QAM\_23095\_1RB#0\_0.15~30\_0.15~30

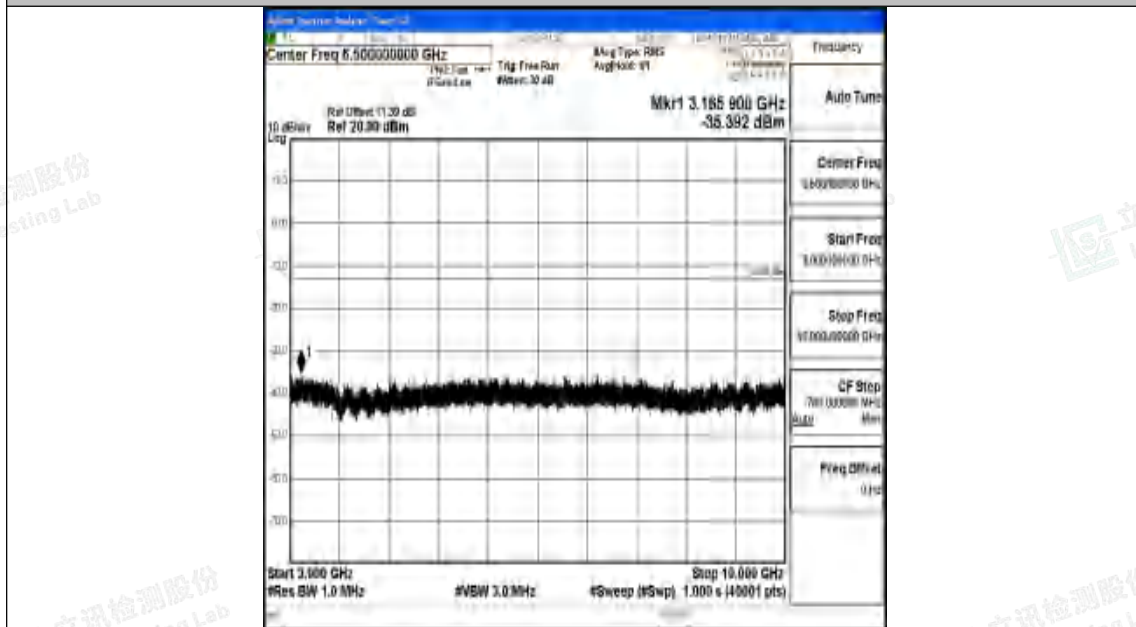


Band12\_10MHz\_16QAM\_23095\_1RB#0\_30~1000\_30~1000



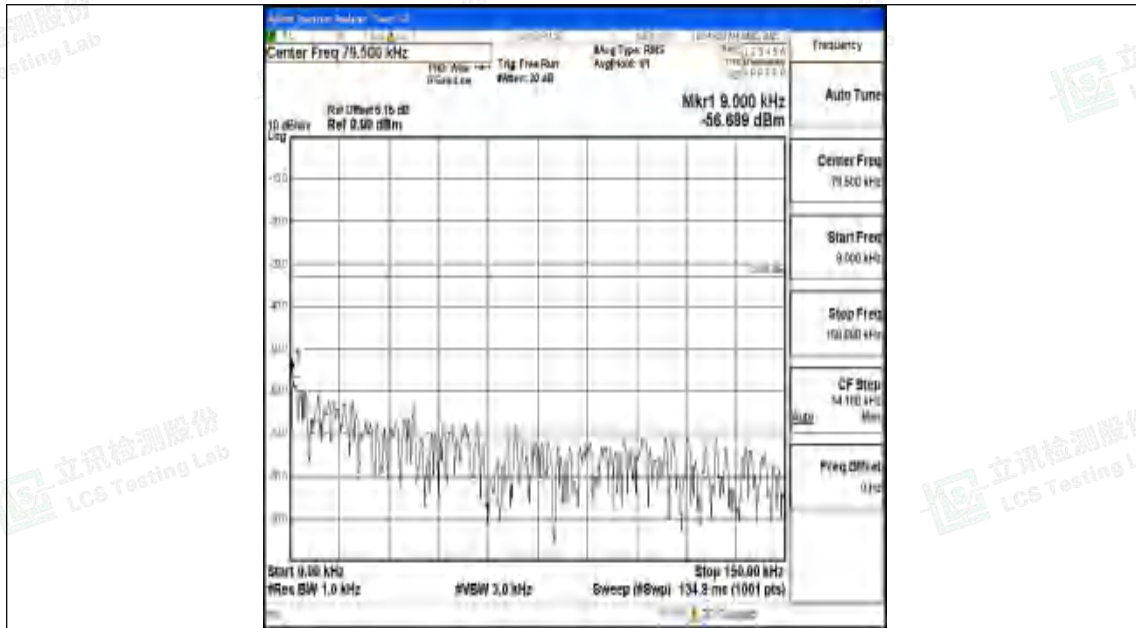
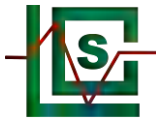


Band12\_10MHz\_16QAM\_23095\_1RB#0\_1000~3000\_1000~3000

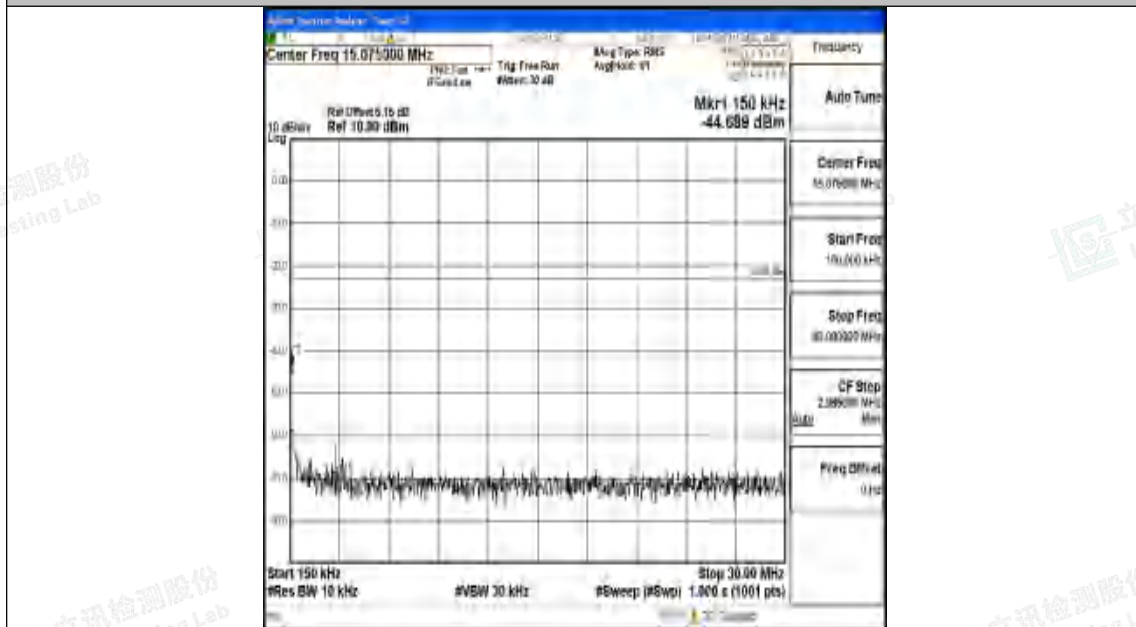


Band12\_10MHz\_16QAM\_23095\_1RB#0\_3000~10000\_3000~10000



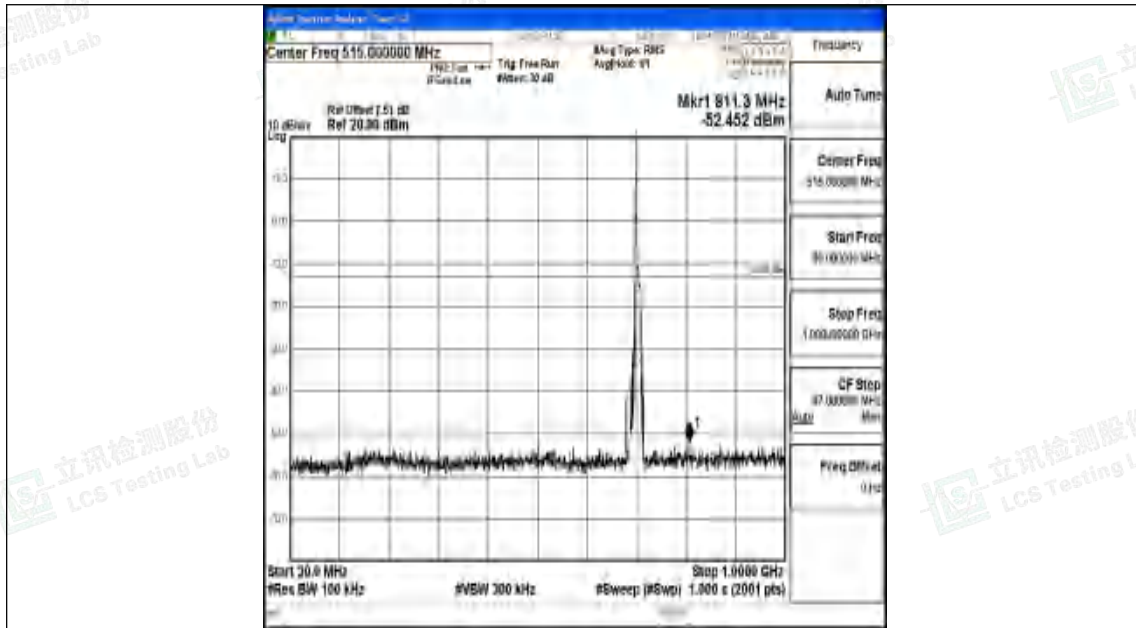
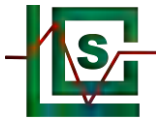


Band12\_10MHz\_QPSK\_23130\_1RB#0\_0.009~0.15\_0.009~0.15

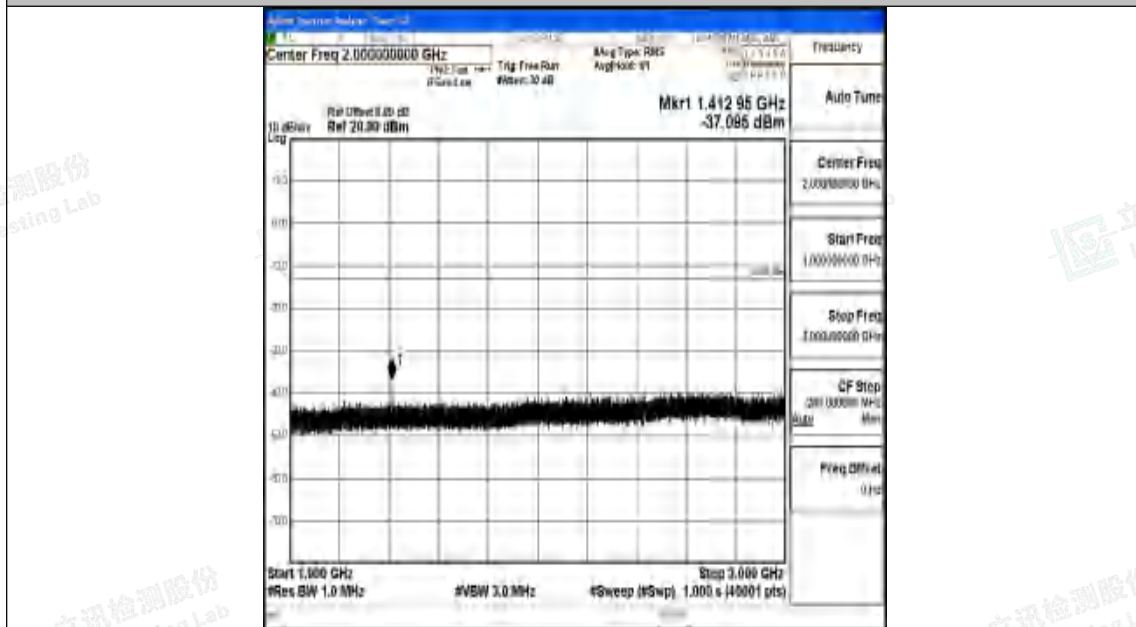


Band12\_10MHz\_QPSK\_23130\_1RB#0\_0.15~30\_0.15~30



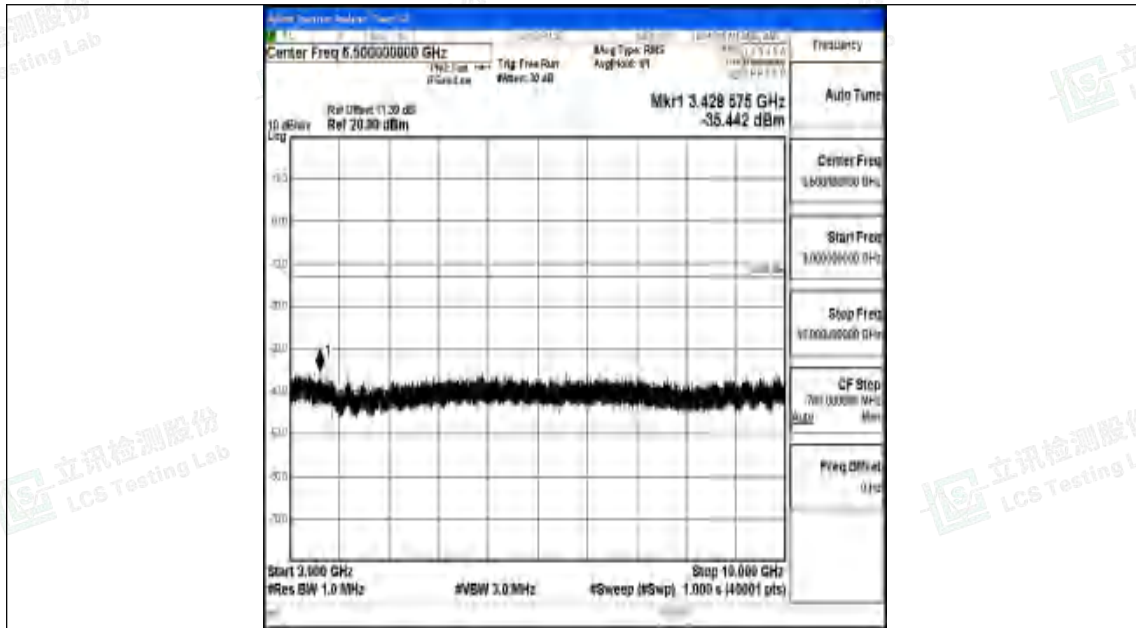
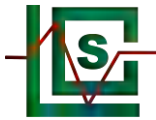


Band12\_10MHz\_QPSK\_23130\_1RB#0\_30~1000\_30~1000

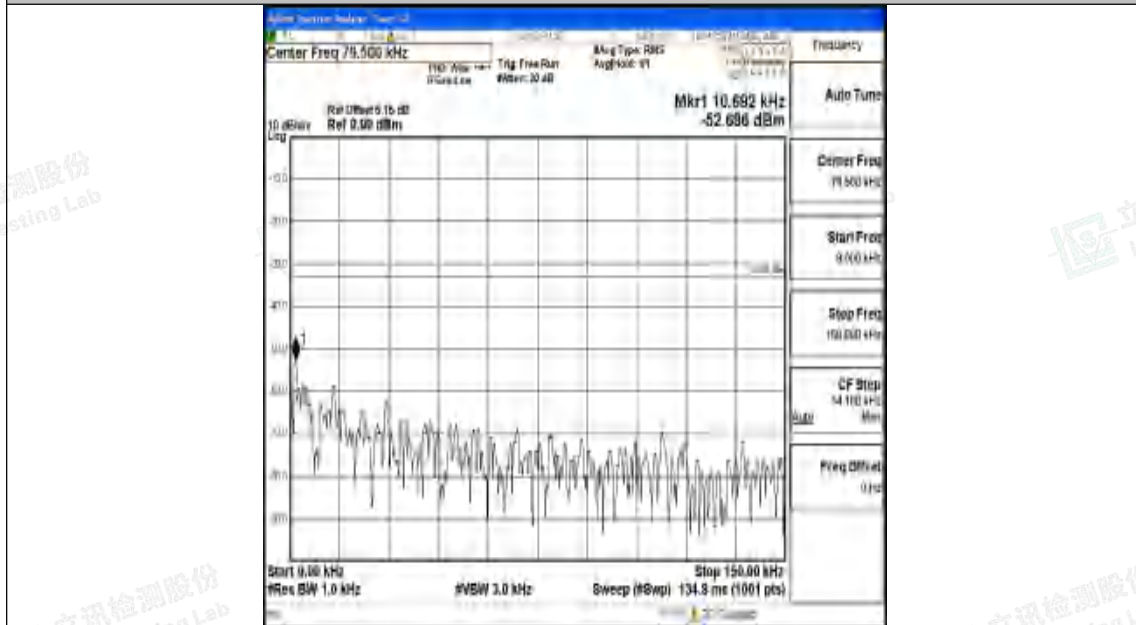


Band12\_10MHz\_QPSK\_23130\_1RB#0\_1000~3000\_1000~3000



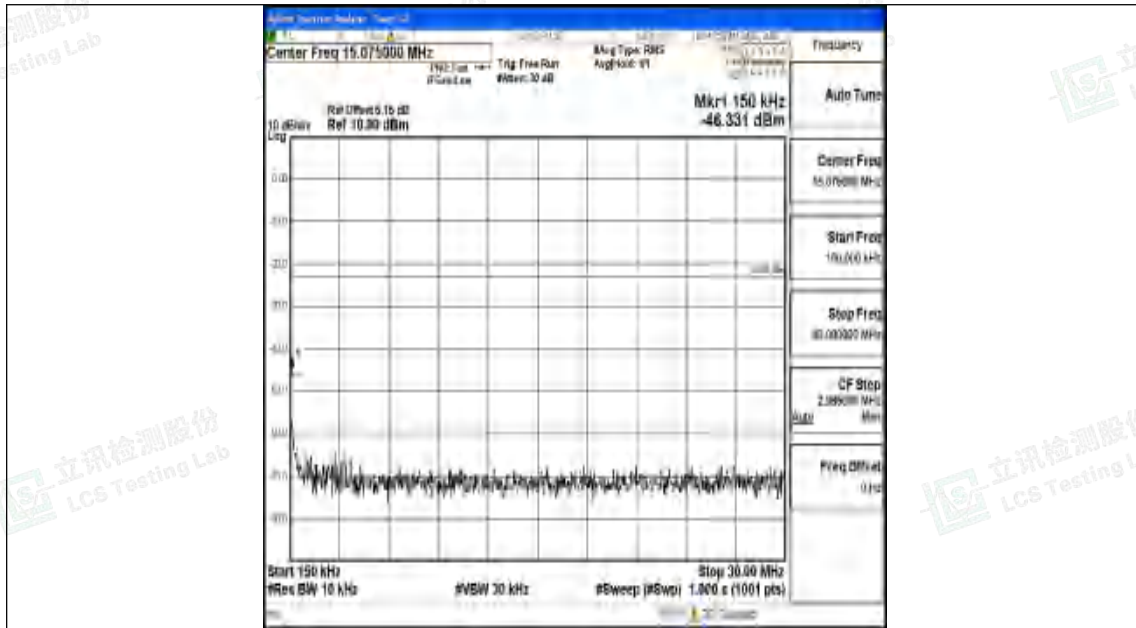
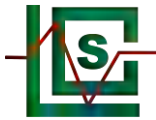


Band12\_10MHz\_QPSK\_23130\_1RB#0\_3000~10000\_3000~10000

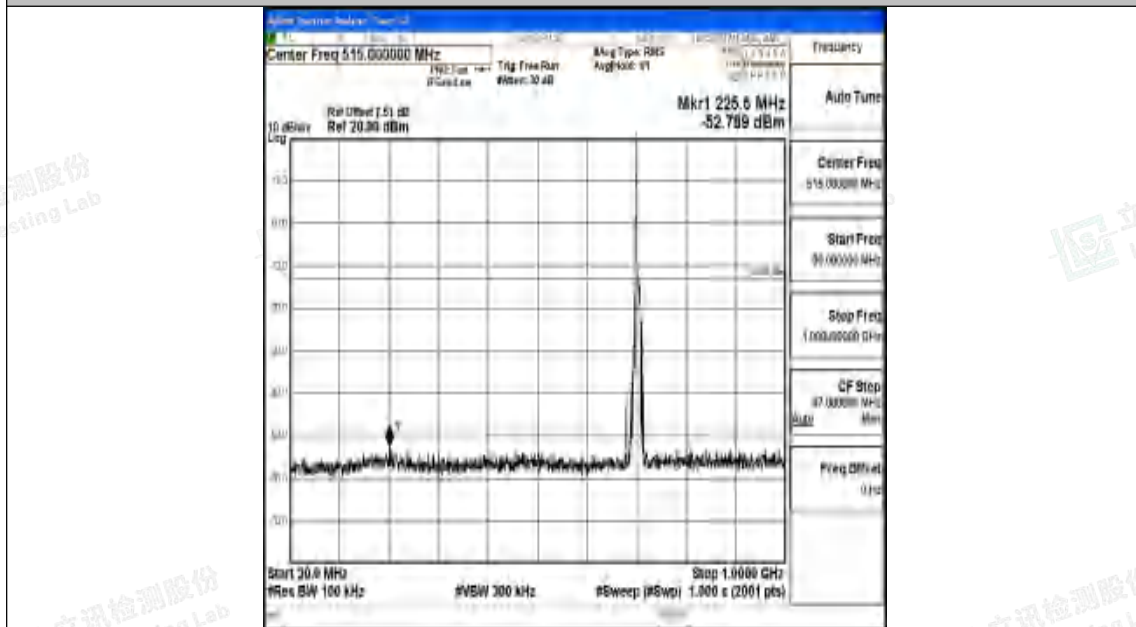


Band12\_10MHz\_16QAM\_23130\_1RB#0\_0.009~0.15\_0.009~0.15



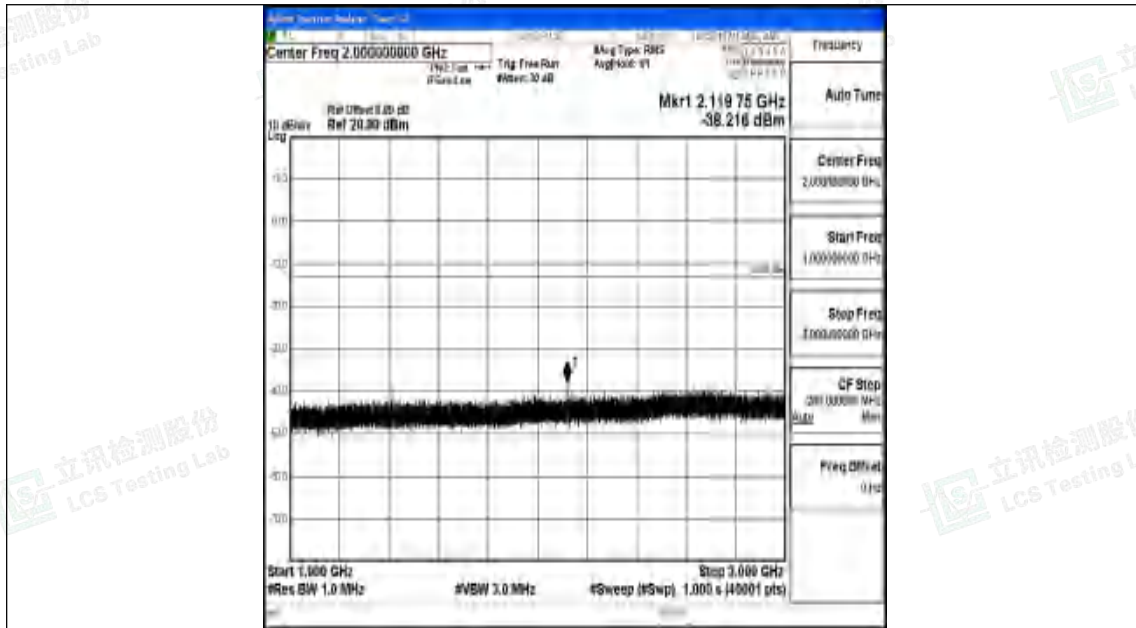
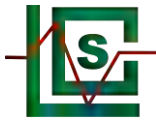


Band12\_10MHz\_16QAM\_23130\_1RB#0\_0.15~30\_0.15~30

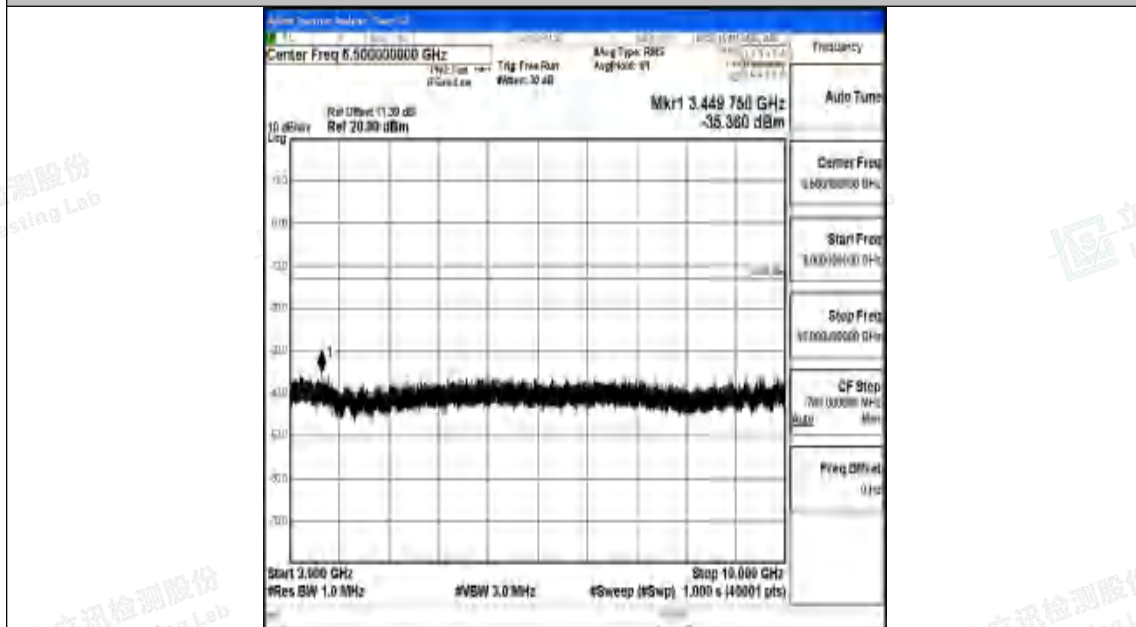


Band12\_10MHz\_16QAM\_23130\_1RB#0\_30~1000\_30~1000





Band12\_10MHz\_16QAM\_23130\_1RB#0\_1000~3000\_1000~3000



Band12\_10MHz\_16QAM\_23130\_1RB#0\_3000~10000\_3000~10000

