



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

Product Name: Pawfit Lite GPS pet tracker (Pawfit Lite, Pawfit Lite For Cats, Pawfit Lite For Dogs)

Test Model: TR3C

### Environmental Conditions

|                    |            |
|--------------------|------------|
| Temperature:       | 23.9°C     |
| Relative Humidity: | 53.2%      |
| ATM Pressure:      | 100.0 kPa  |
| Test Engineer:     | Paddi Chen |
| Supervised by:     | Nick Peng  |



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## F.1 Conducted Output Power Data

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 23.07       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 23.23       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#2            | 23.25       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#2            | 23.24       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#5            | 23.23       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#5            | 23.23       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#0            | 23.25       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 3RB#0            | 23.39       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#1            | 23.36       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 3RB#1            | 23.30       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#3            | 23.35       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 3RB#3            | 23.32       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | 23.14       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | 22.98       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 23.07       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 22.95       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#2            | 23.20       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#2            | 23.02       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#5            | 23.24       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#5            | 22.97       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#0            | 23.20       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 3RB#0            | 22.53       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#1            | 23.21       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 3RB#1            | 22.56       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#3            | 23.18       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 3RB#3            | 21.85       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 6RB#0            | 22.35       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 6RB#0            | 21.68       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 23.13       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 21.73       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#2            | 23.03       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#2            | 22.25       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#5            | 23.17       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#5            | 22.22       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 3RB#0            | 23.15       | PASS    |



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|        |        |       |       |        |       |      |
|--------|--------|-------|-------|--------|-------|------|
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#0  | 22.37 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 3RB#1  | 23.15 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#1  | 22.07 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 3RB#3  | 23.10 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#3  | 22.04 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 6RB#0  | 22.27 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0  | 21.43 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#0  | 23.27 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 1RB#0  | 22.20 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#8  | 23.17 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 1RB#8  | 22.19 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#14 | 23.24 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 1RB#14 | 22.07 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#0  | 22.43 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 8RB#0  | 21.69 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#4  | 22.43 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 8RB#4  | 21.70 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#7  | 22.37 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 8RB#7  | 21.66 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 15RB#0 | 22.40 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 15RB#0 | 21.58 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#0  | 23.16 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 1RB#0  | 22.05 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#8  | 23.13 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 1RB#8  | 22.25 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#14 | 23.30 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 1RB#14 | 22.21 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#0  | 22.13 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 8RB#0  | 21.54 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#4  | 22.14 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 8RB#4  | 21.54 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#7  | 22.15 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 8RB#7  | 21.67 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 15RB#0 | 22.16 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 15RB#0 | 21.24 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#0  | 23.04 | PASS |
| Band12 | 3MHz   | 16QAM | 23165 | 1RB#0  | 22.69 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#8  | 23.00 | PASS |
| Band12 | 3MHz   | 16QAM | 23165 | 1RB#8  | 22.57 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#14 | 22.98 | PASS |



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|--------|------|-------|-------|---------|-------|------|
| Band12 | 3MHz | 16QAM | 23165 | 1RB#14  | 22.52 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 8RB#0   | 22.04 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#0   | 21.35 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 8RB#4   | 22.04 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#4   | 21.35 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 8RB#7   | 22.10 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#7   | 21.41 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 15RB#0  | 22.07 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0  | 21.40 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0   | 23.25 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0   | 21.91 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#12  | 23.12 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#12  | 21.88 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#24  | 23.12 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#24  | 21.82 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#0  | 22.38 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#0  | 21.47 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#6  | 22.38 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#6  | 21.47 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#13 | 22.32 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#13 | 21.39 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 25RB#0  | 22.31 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 25RB#0  | 21.58 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0   | 22.98 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0   | 22.51 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#12  | 22.92 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#12  | 22.45 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#24  | 22.91 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#24  | 22.37 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#0  | 22.21 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#0  | 21.35 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#6  | 22.20 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#6  | 21.35 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#13 | 22.20 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#13 | 21.38 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 25RB#0  | 22.16 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 25RB#0  | 21.41 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#0   | 22.88 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#0   | 21.90 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#12  | 22.81 | PASS |



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|--------|-------|-------|-------|---------|-------|------|
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#12  | 21.89 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 1RB#24  | 22.81 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#24  | 21.91 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 12RB#0  | 22.10 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#0  | 21.32 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 12RB#6  | 22.14 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#6  | 21.32 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 12RB#13 | 22.13 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#13 | 21.13 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 25RB#0  | 22.07 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 25RB#0  | 21.41 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0   | 23.17 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0   | 22.48 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#24  | 23.03 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#24  | 22.06 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#49  | 22.93 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#49  | 21.94 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#0  | 22.24 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#0  | 21.44 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#12 | 22.24 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#12 | 21.44 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#25 | 22.25 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#25 | 21.29 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 50RB#0  | 22.23 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0  | 21.45 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0   | 23.35 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0   | 22.32 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#24  | 23.29 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#24  | 21.60 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#49  | 23.01 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#49  | 21.57 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#0  | 22.20 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#0  | 21.49 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#12 | 22.20 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#12 | 21.49 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#25 | 22.24 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#25 | 21.44 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 50RB#0  | 22.15 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0  | 21.49 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0   | 22.90 | PASS |



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|--------|-------|-------|-------|---------|-------|------|
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0   | 22.90 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#24  | 22.88 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#24  | 22.82 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#49  | 22.80 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#49  | 22.79 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#0  | 22.14 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#0  | 21.35 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#12 | 22.17 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#12 | 21.35 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#25 | 22.16 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#25 | 21.37 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 50RB#0  | 22.03 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0  | 21.32 | PASS |



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

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 4.72       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 5.17       | 13        | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | 5.38       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | 6.10       | 13        | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 4.74       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 5.16       | 13        | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 6RB#0            | 5.36       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 6RB#0            | 6.06       | 13        | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 4.26       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 4.86       | 13        | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 6RB#0            | 4.91       | 13        | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 6RB#0            | 5.78       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 4.88       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 1RB#0            | 5.71       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 15RB#0           | 5.40       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 15RB#0           | 6.17       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 1RB#0            | 4.85       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23095   | 1RB#0            | 5.65       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 15RB#0           | 5.38       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23095   | 15RB#0           | 6.14       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 1RB#0            | 4.58       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 1RB#0            | 5.39       | 13        | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 15RB#0           | 5.05       | 13        | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 15RB#0           | 5.78       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 1RB#0            | 5.07       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 1RB#0            | 5.74       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 25RB#0           | 5.58       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 25RB#0           | 6.20       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23095   | 1RB#0            | 4.95       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23095   | 1RB#0            | 5.69       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23095   | 25RB#0           | 5.54       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23095   | 25RB#0           | 6.15       | 13        | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 1RB#0            | 4.85       | 13        | PASS    |
| Band12 | 5MHz      | 16QAM      | 23155   | 1RB#0            | 5.59       | 13        | PASS    |



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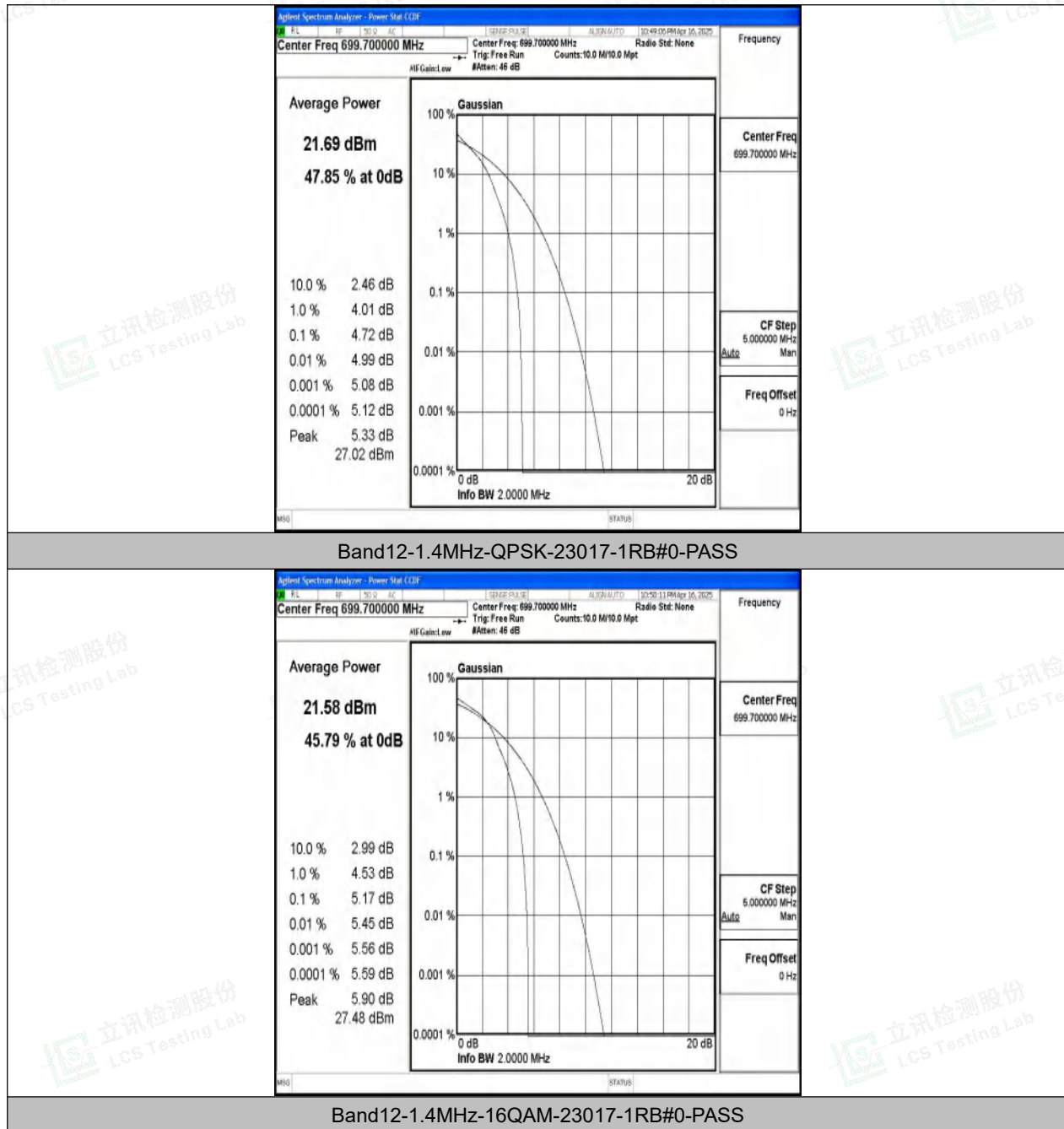
|        |       |       |       |        |      |    |      |
|--------|-------|-------|-------|--------|------|----|------|
| Band12 | 5MHz  | QPSK  | 23155 | 25RB#0 | 5.34 | 13 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 25RB#0 | 5.99 | 13 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0  | 4.88 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0  | 5.65 | 13 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 50RB#0 | 5.51 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | 6.20 | 13 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0  | 4.94 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0  | 5.84 | 13 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 50RB#0 | 5.53 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | 6.22 | 13 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0  | 4.85 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0  | 5.70 | 13 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 50RB#0 | 5.44 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | 6.14 | 13 | PASS |



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## Test Graphs

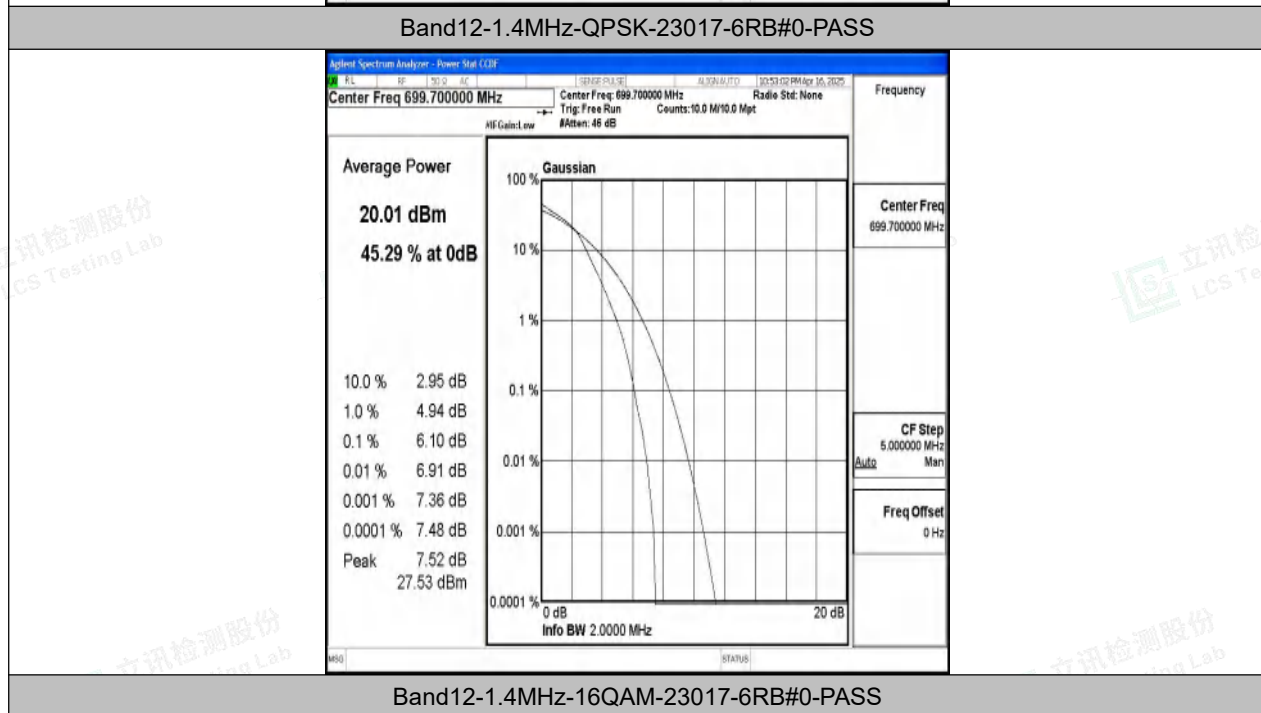
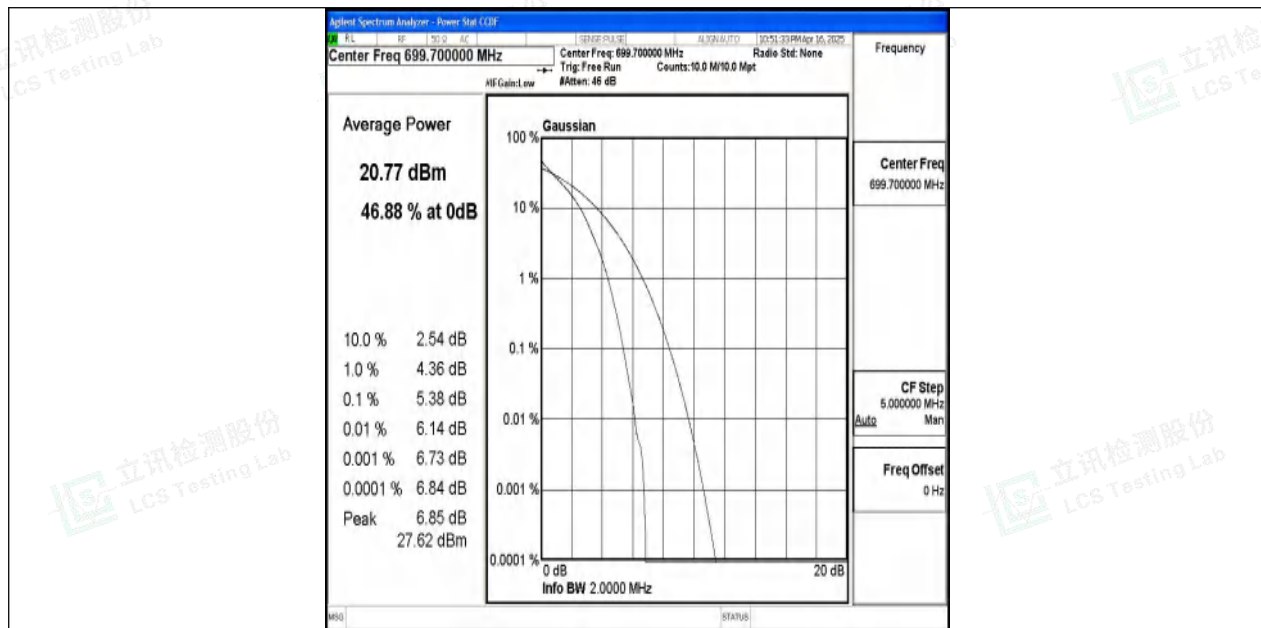


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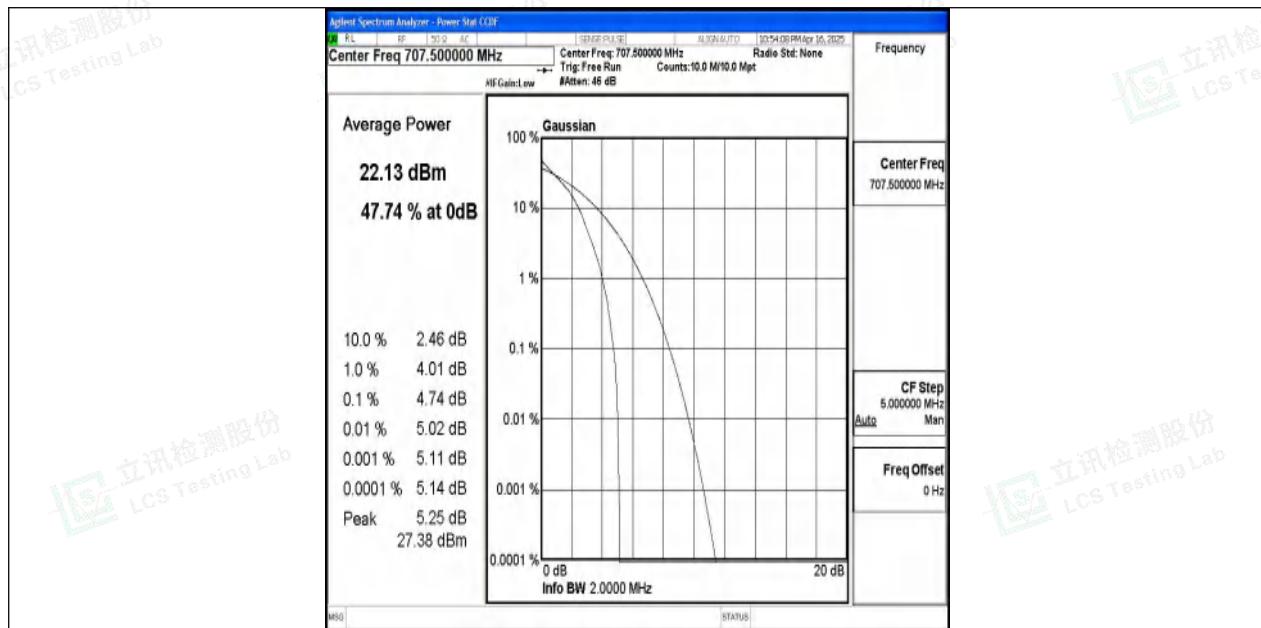


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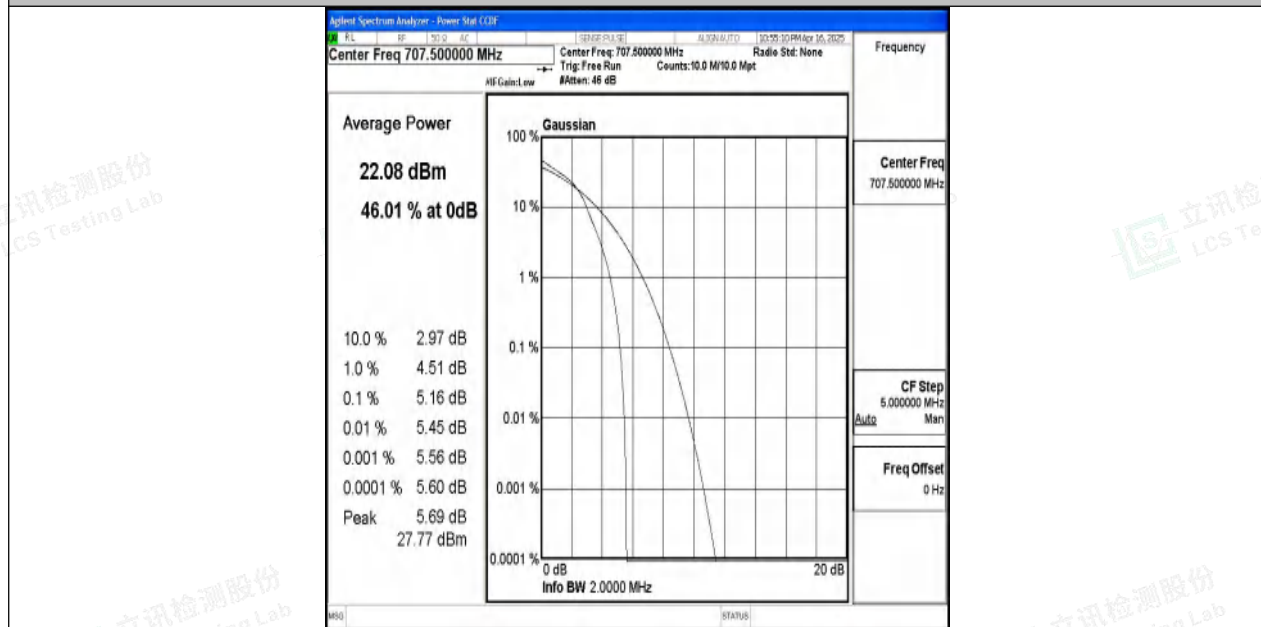
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Band12-1.4MHz-QPSK-23095-1RB#0-PASS



Band12-1.4MHz-16QAM-23095-1RB#0-PASS

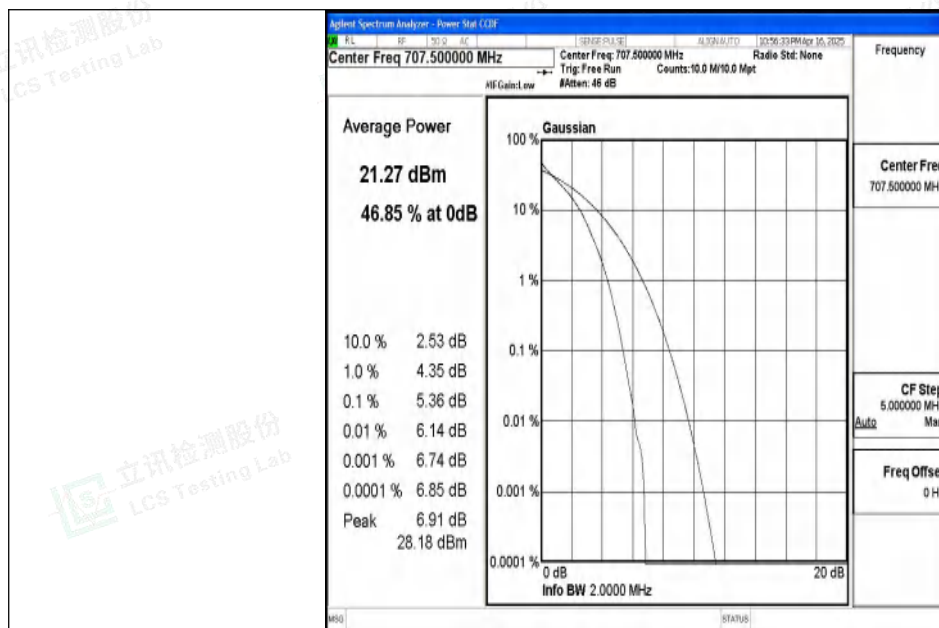


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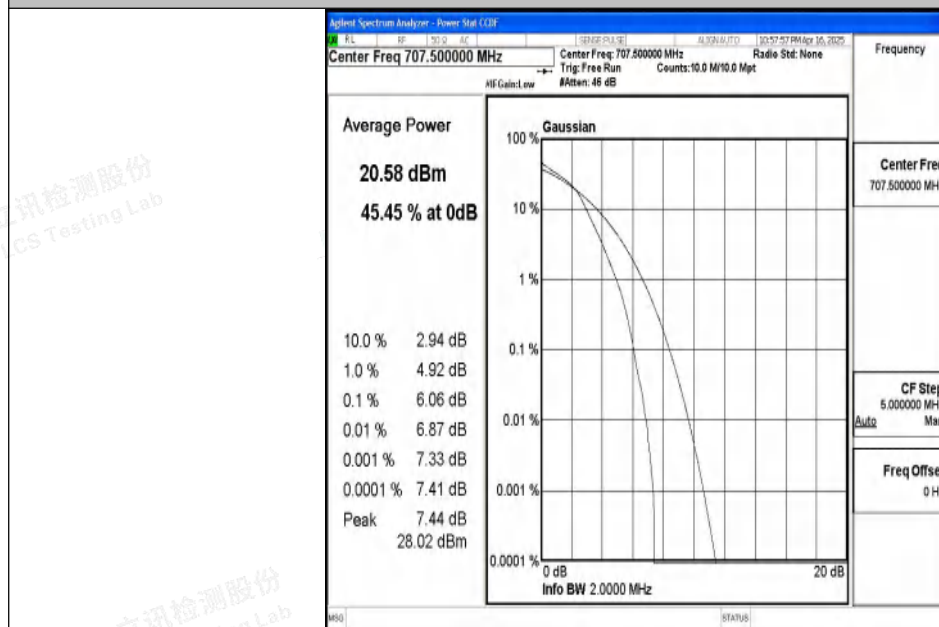
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Band12-1.4MHz-QPSK-23095-6RB#0-PASS



Band12-1.4MHz-16QAM-23095-6RB#0-PASS

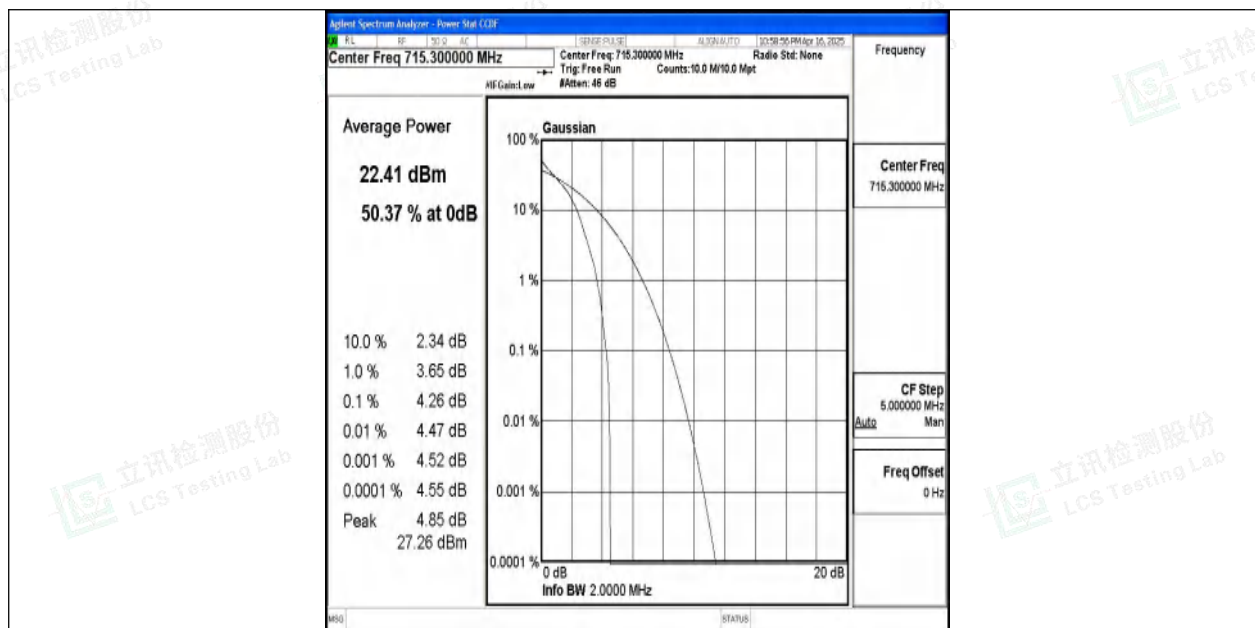


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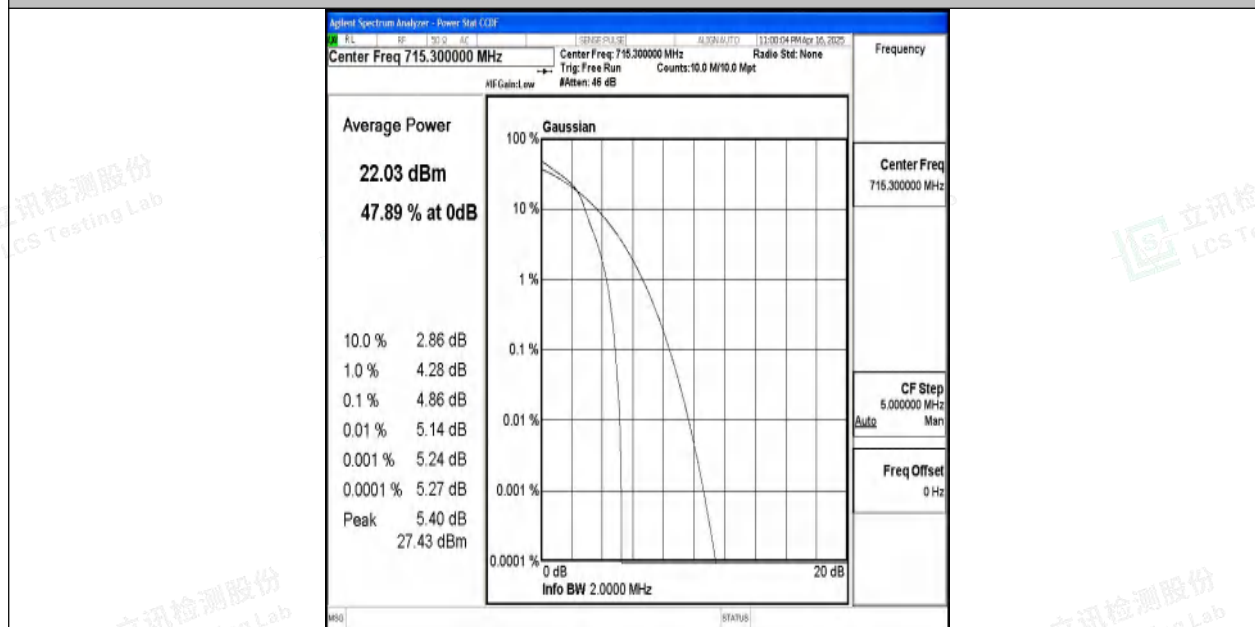
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Band12-1.4MHz-QPSK-23173-1RB#0-PASS



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

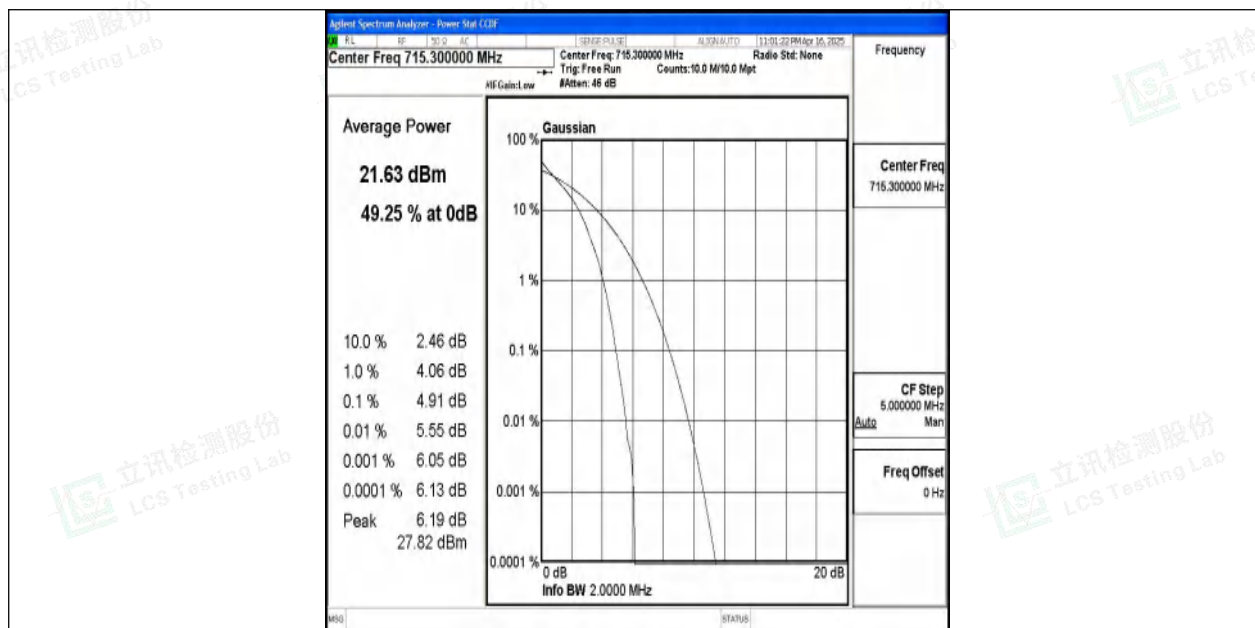


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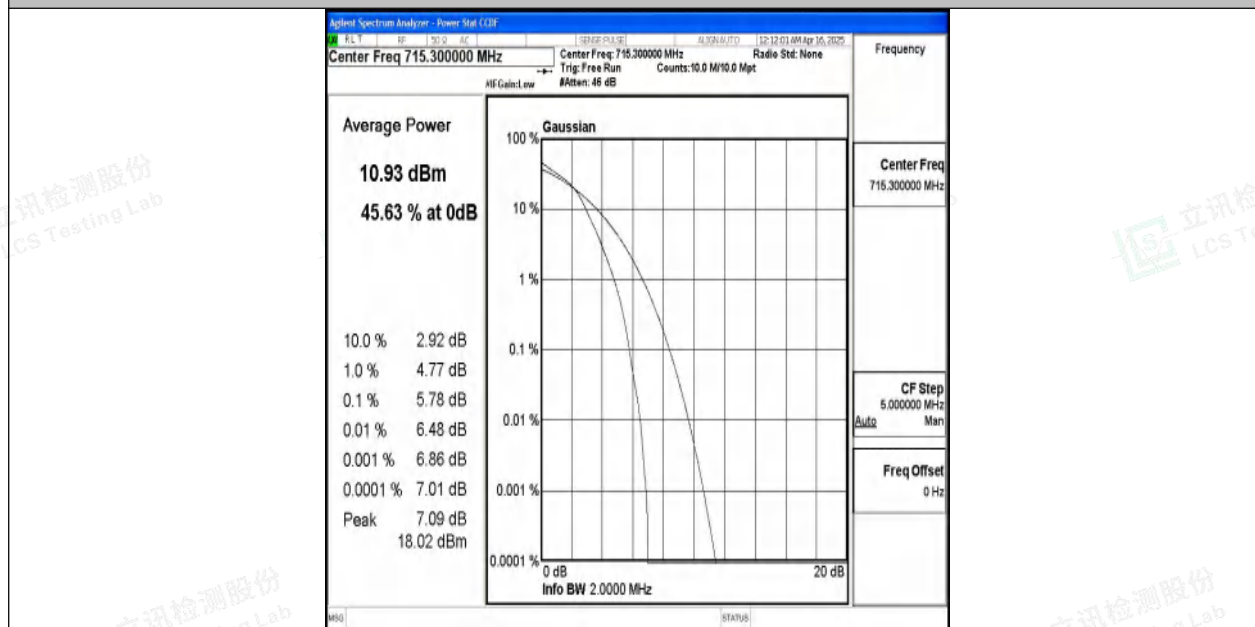
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Band12-1.4MHz-QPSK-23173-6RB#0-PASS



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

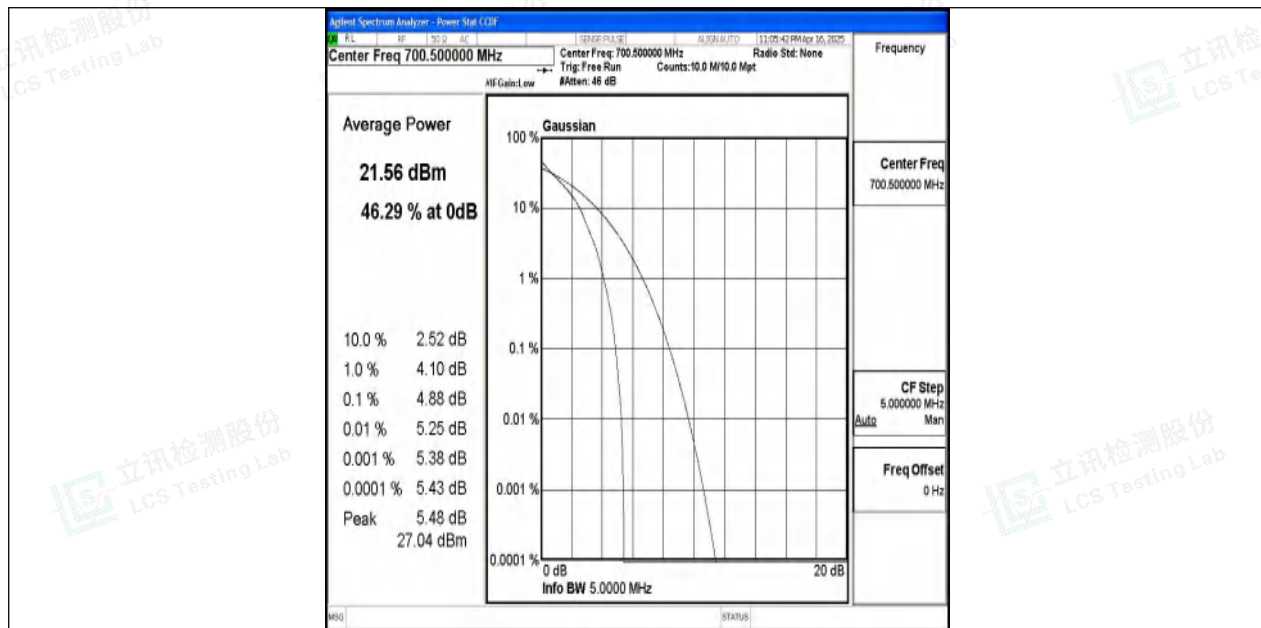


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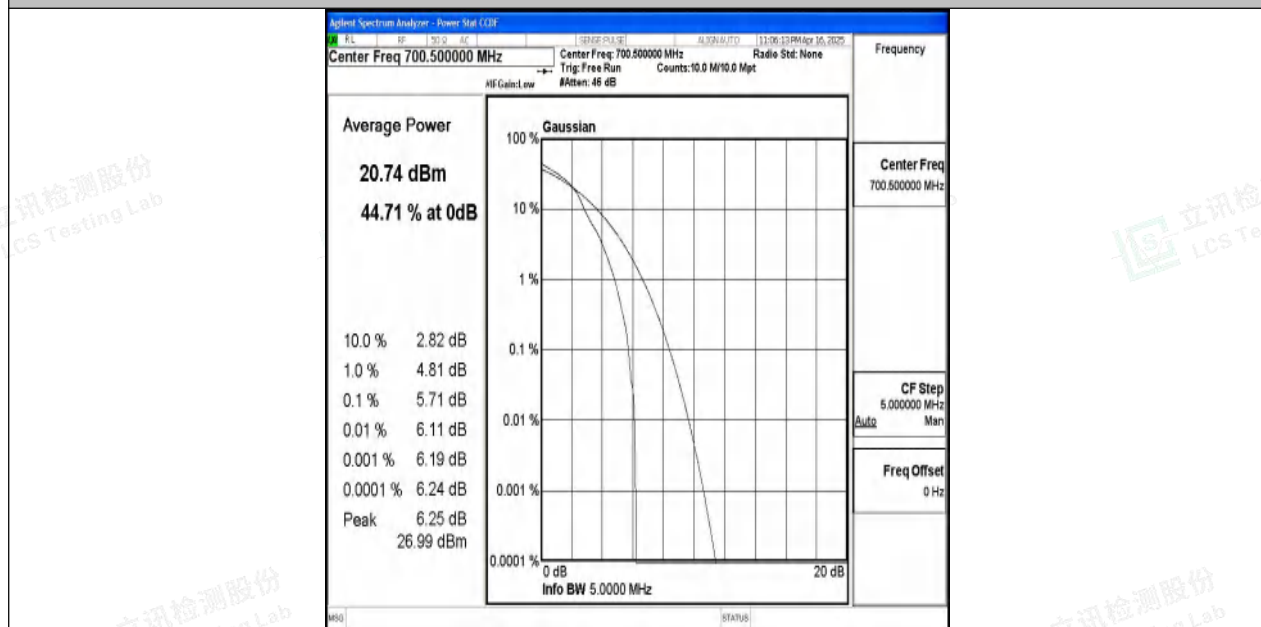
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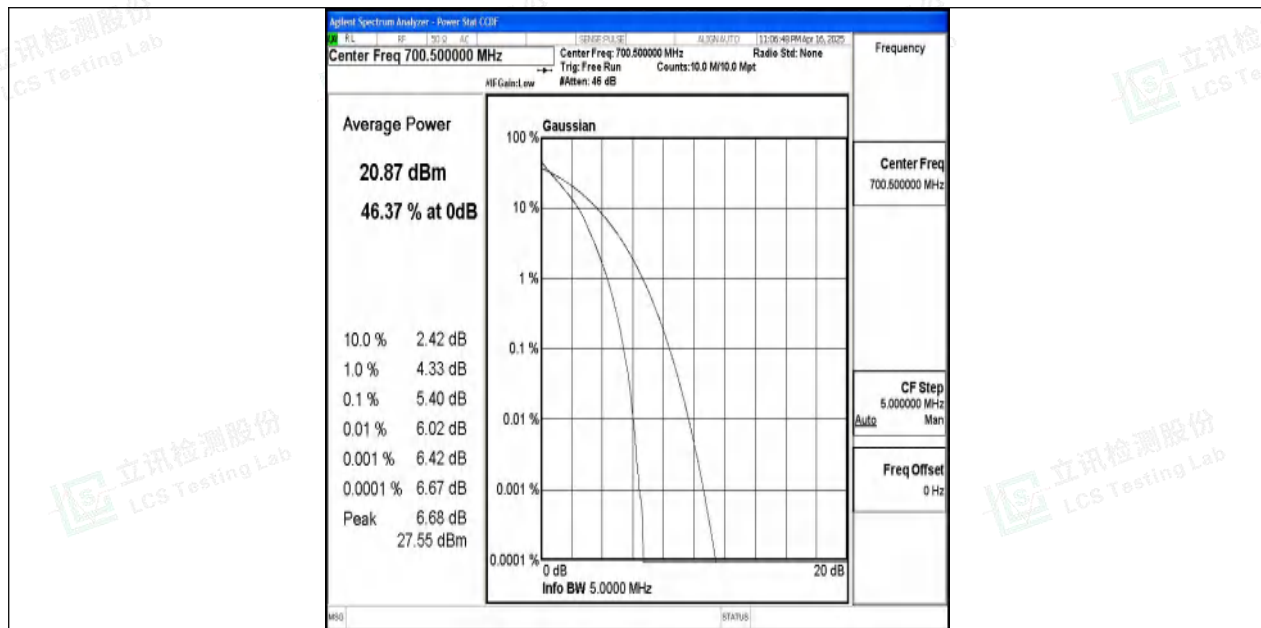


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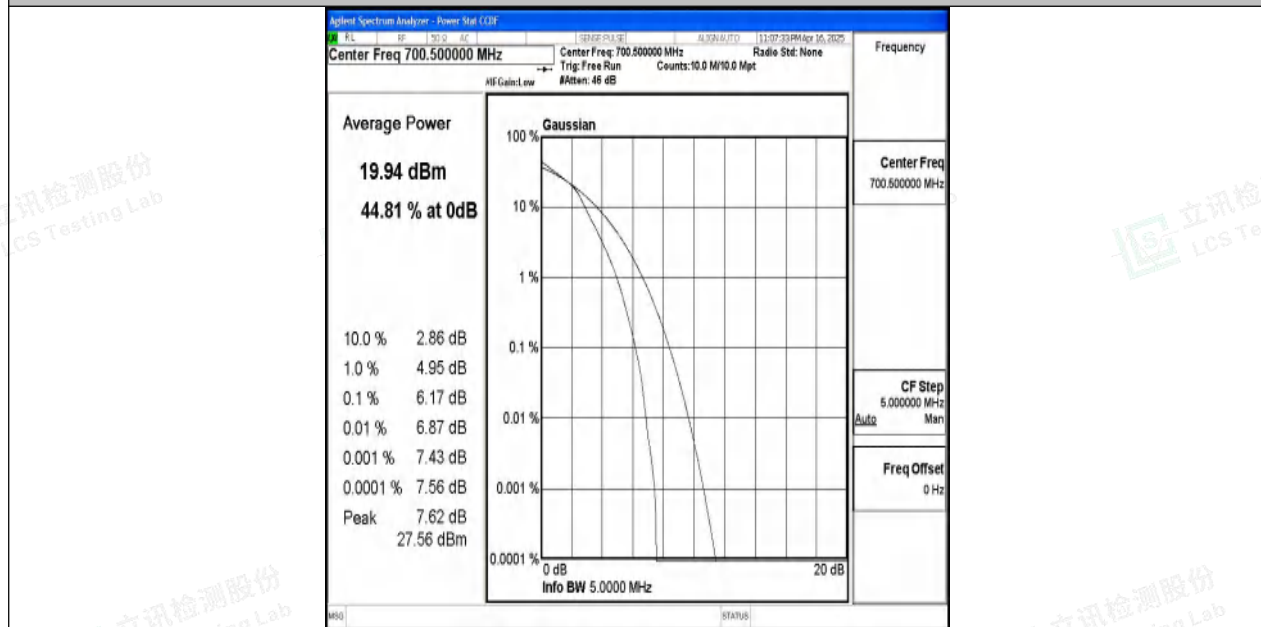


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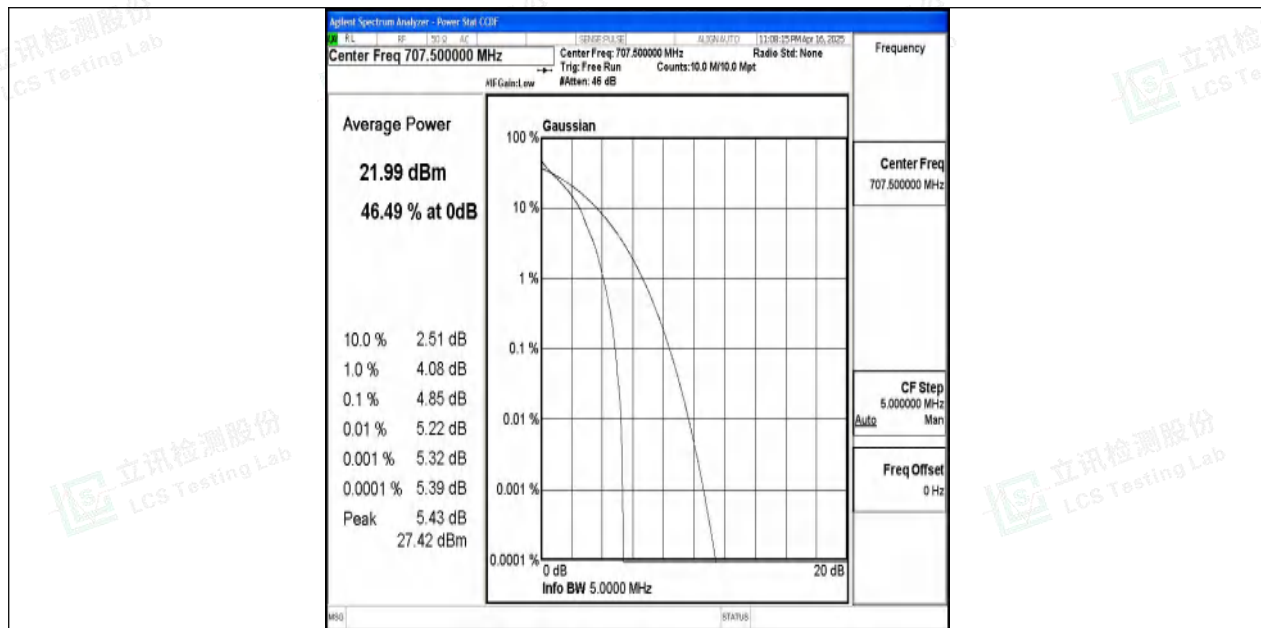


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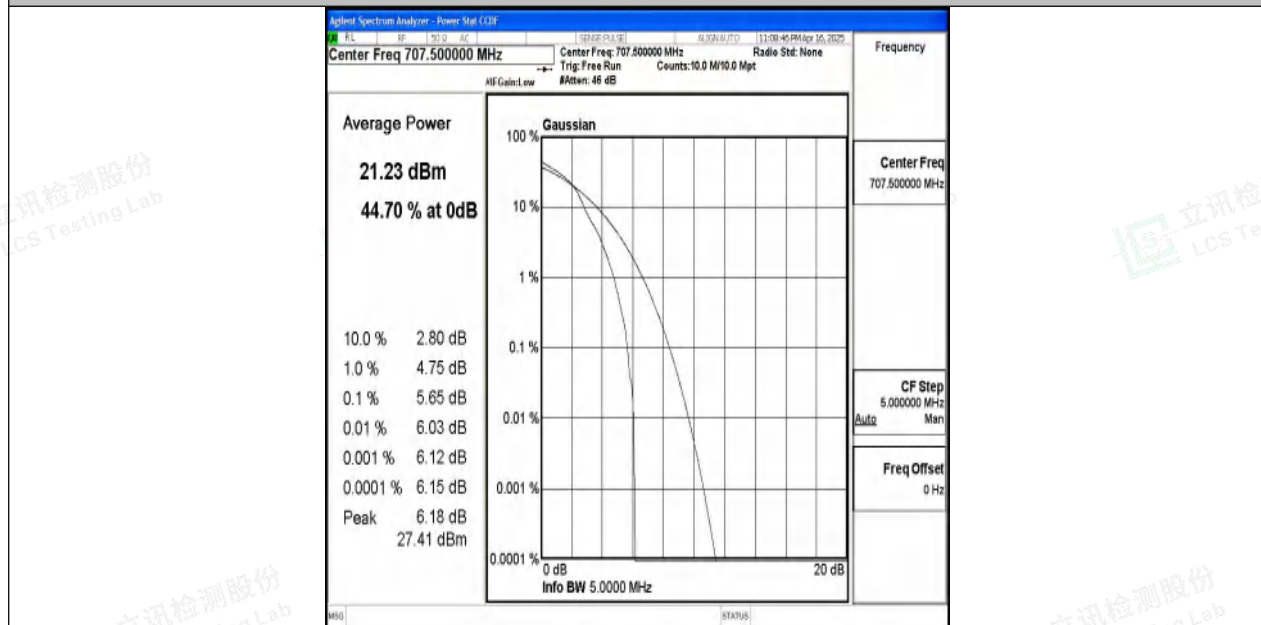


Band12-3MHz-16QAM-23025-15RB#0-PASS





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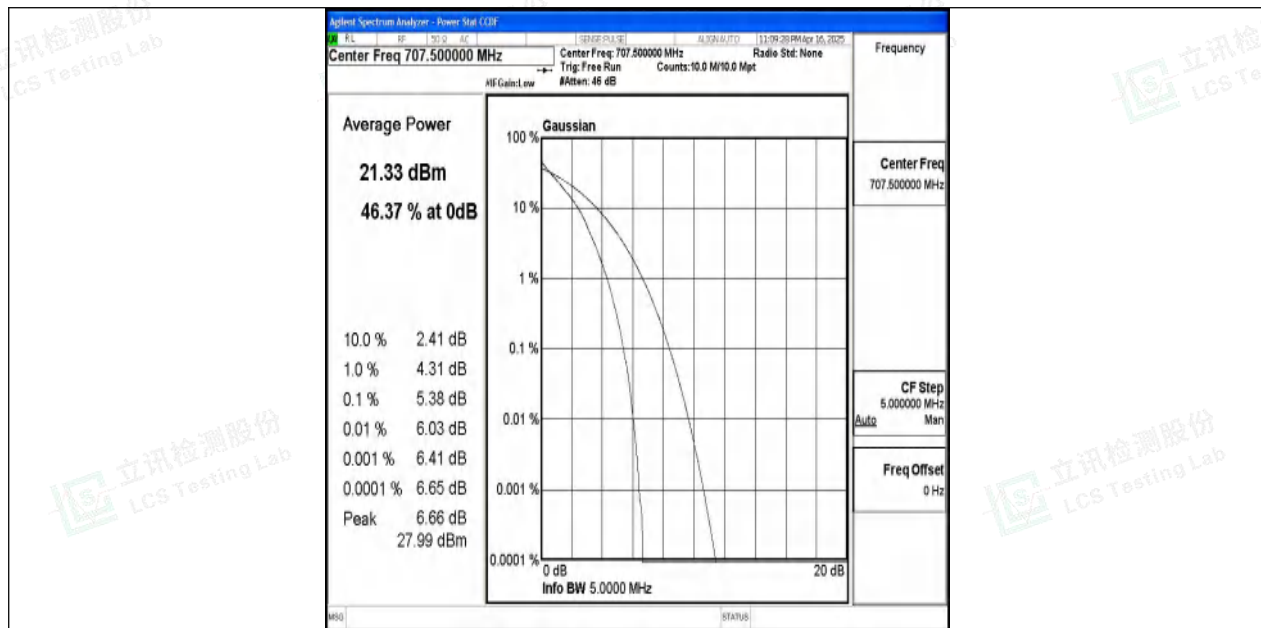


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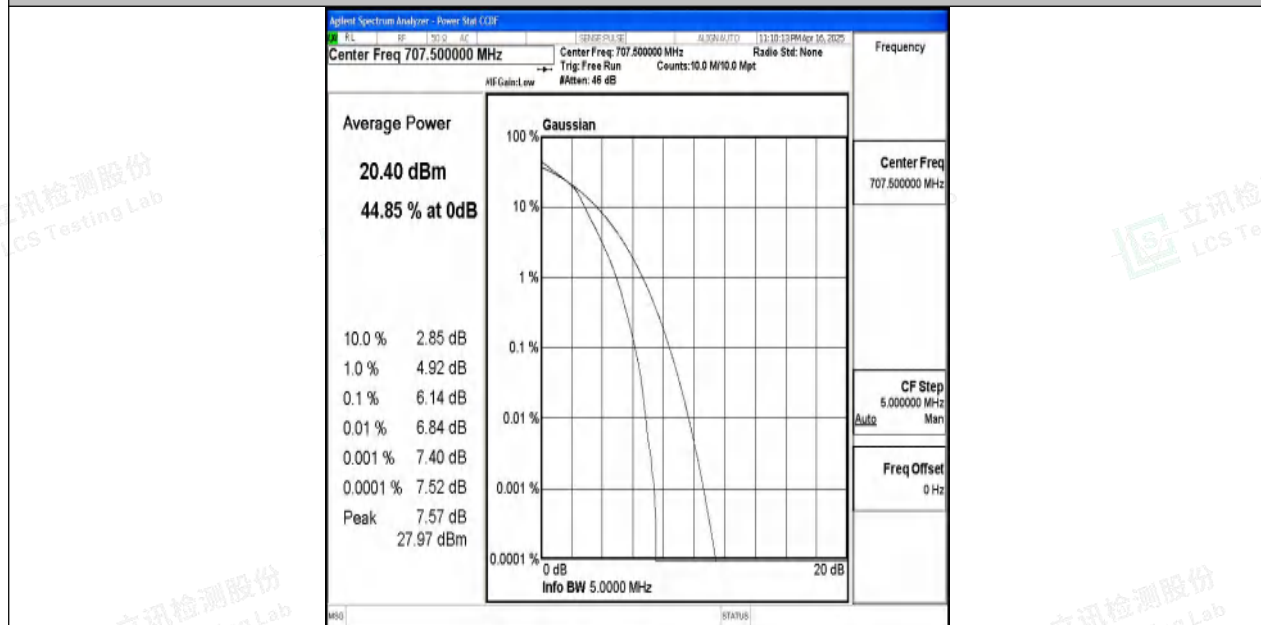
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Band12-3MHz-QPSK-23095-15RB#0-PASS



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

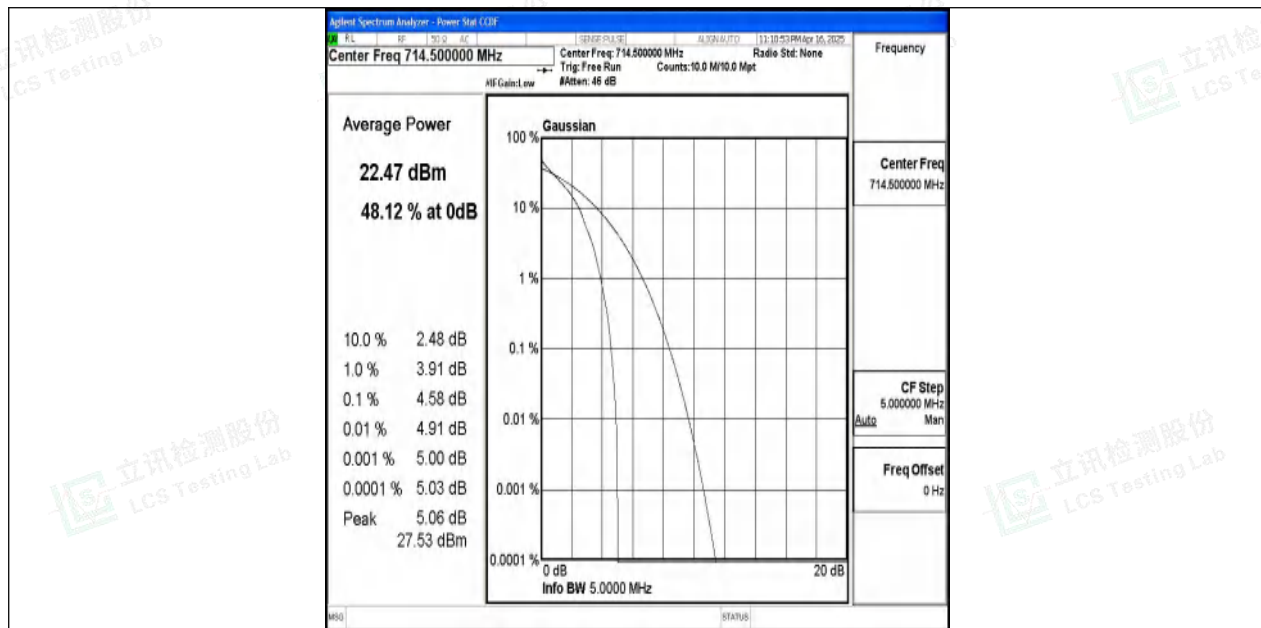


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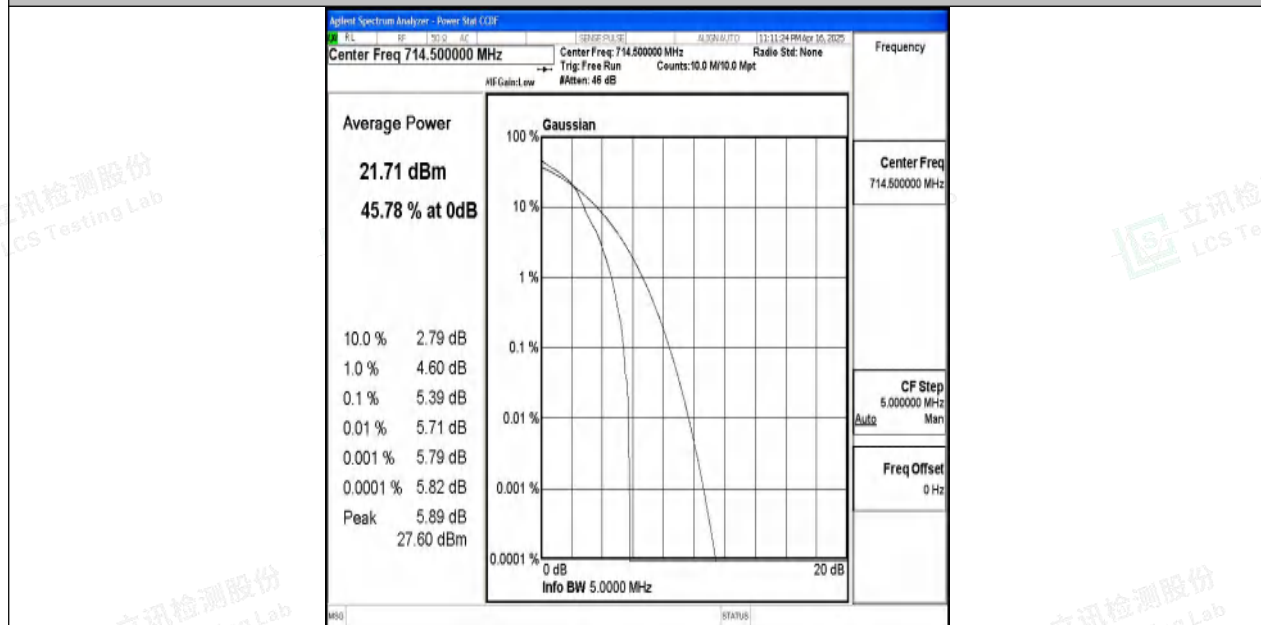
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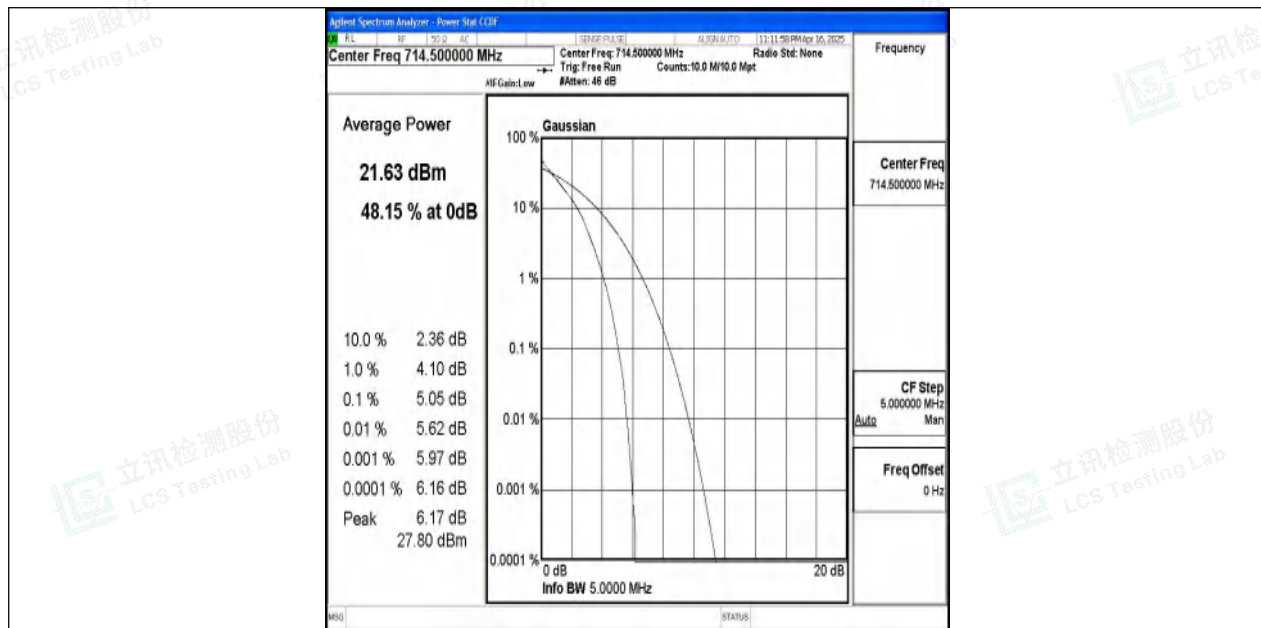


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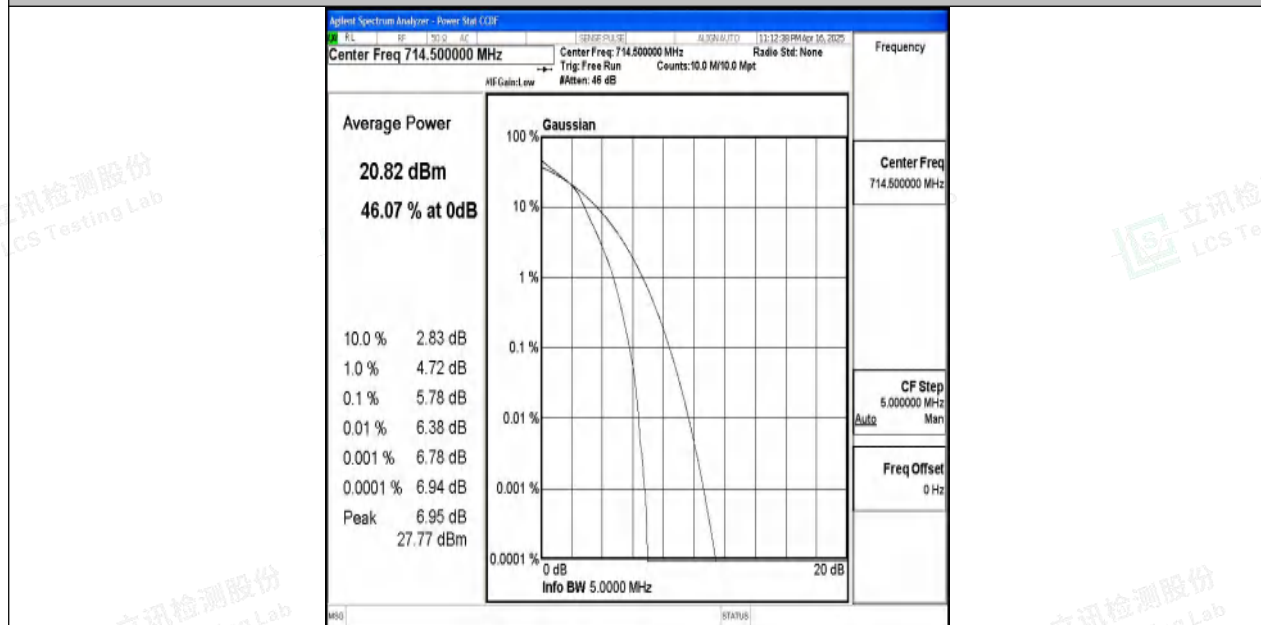


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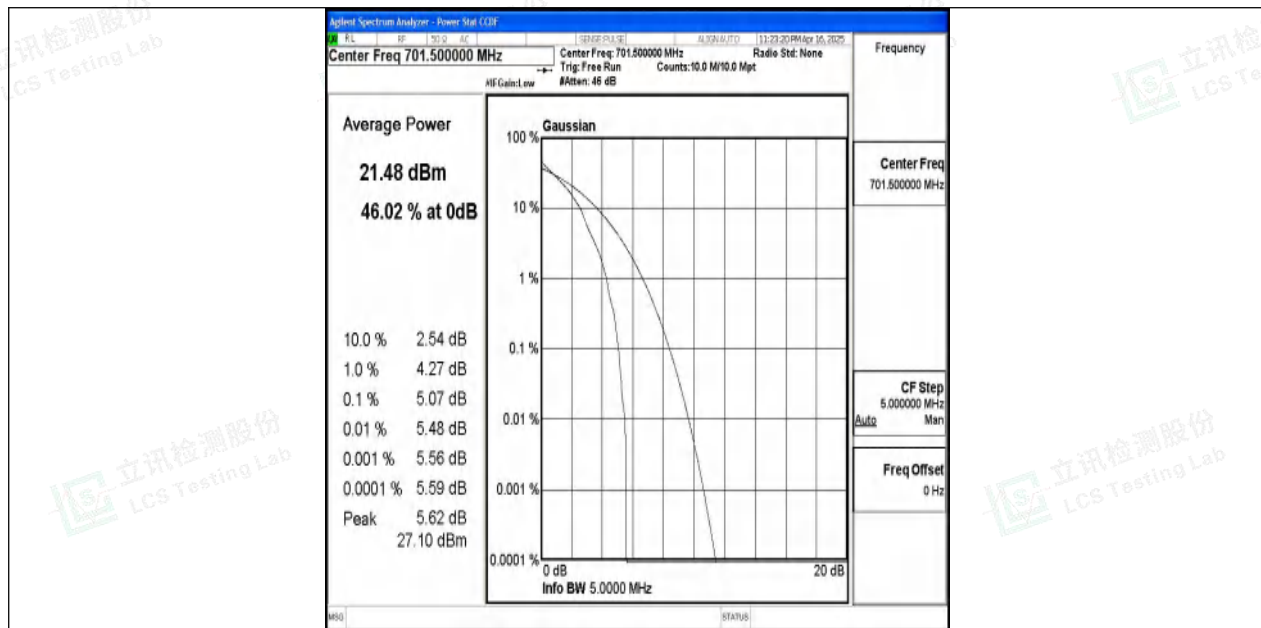


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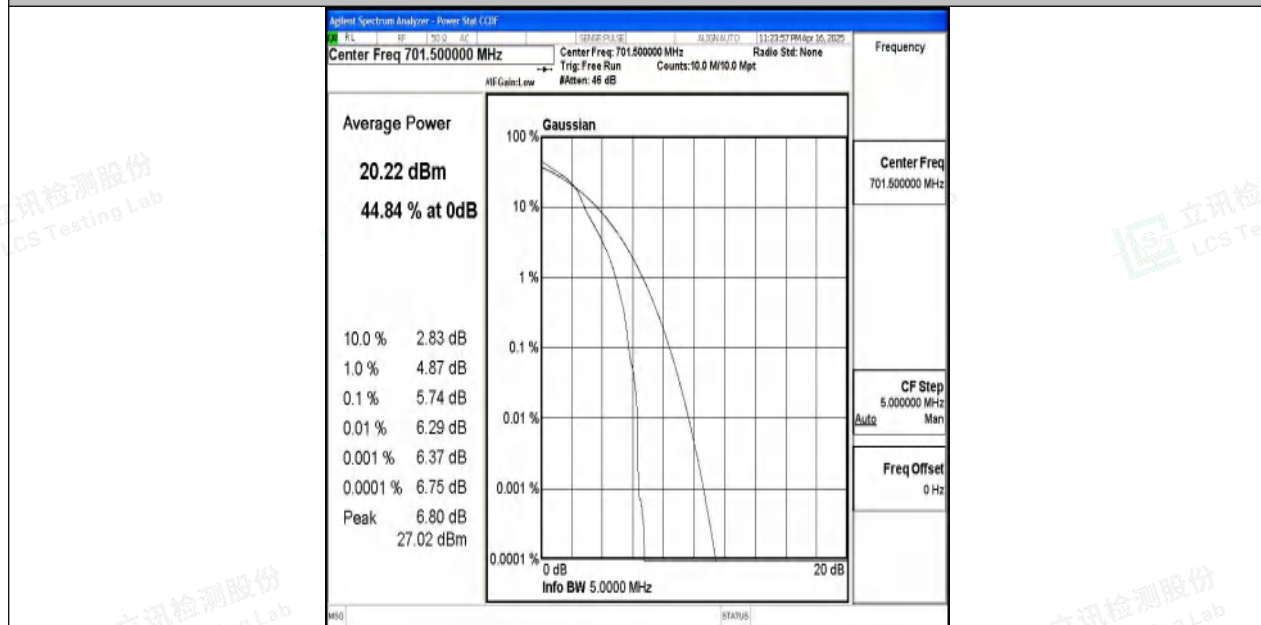


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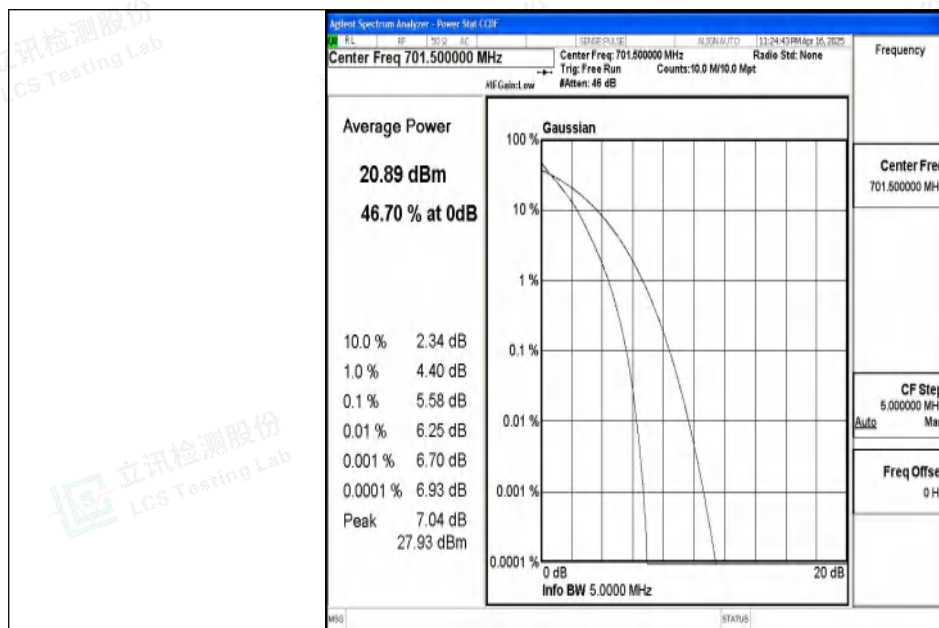


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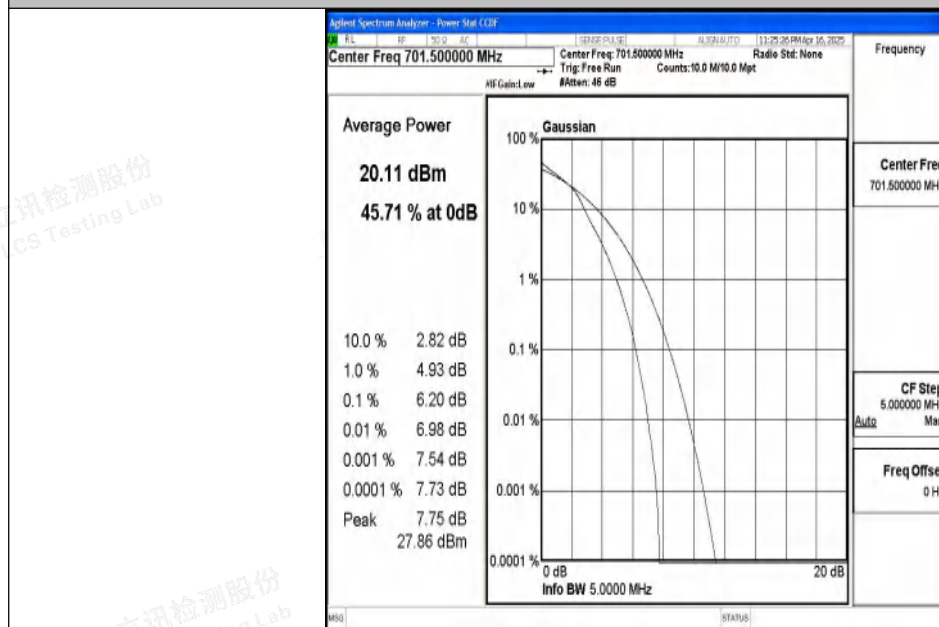


Band12-5MHz-16QAM-23035-1RB#0-PASS





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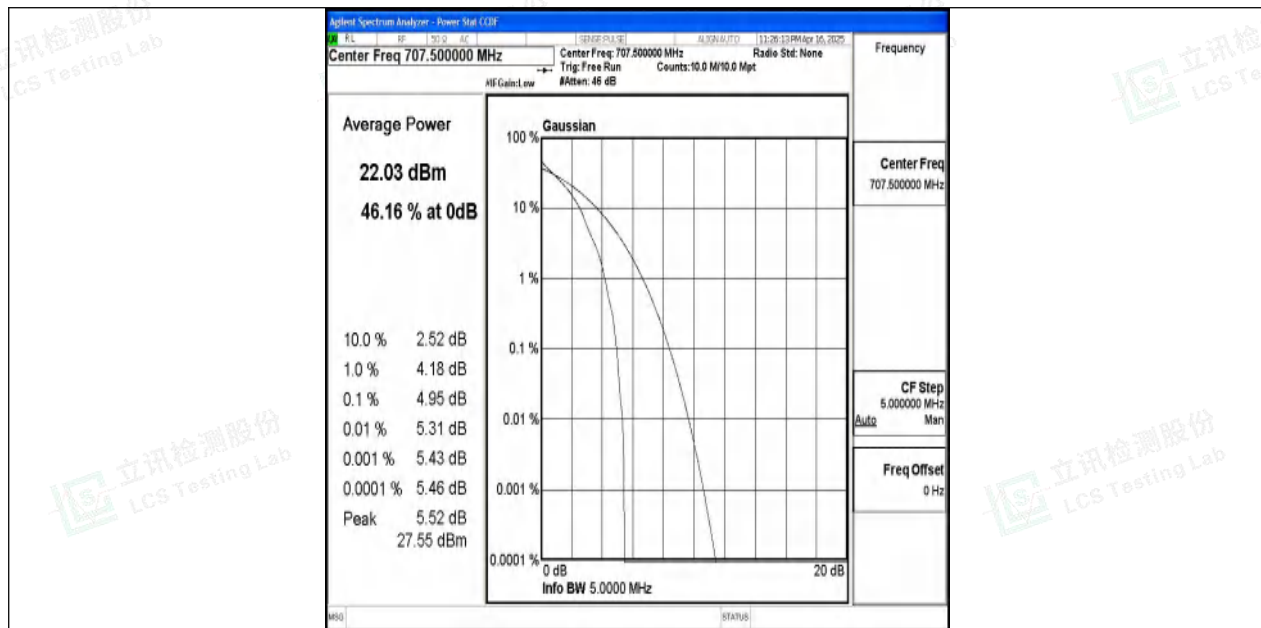


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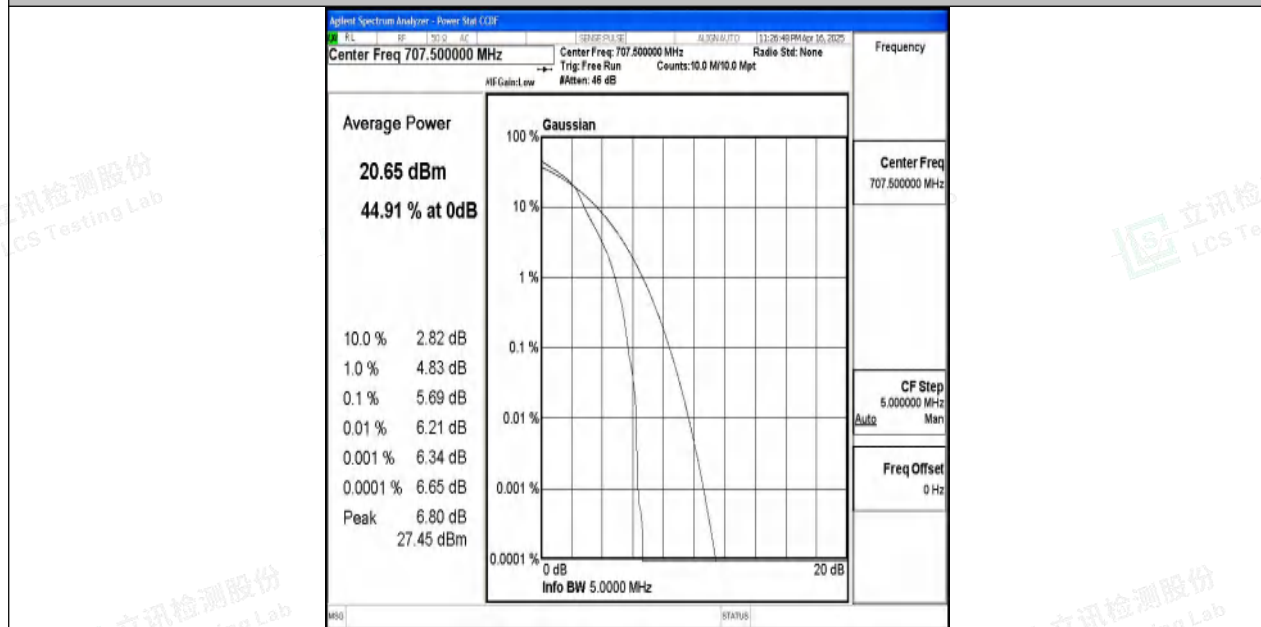
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Band12-5MHz-16QAM-23095-1RB#0-PASS

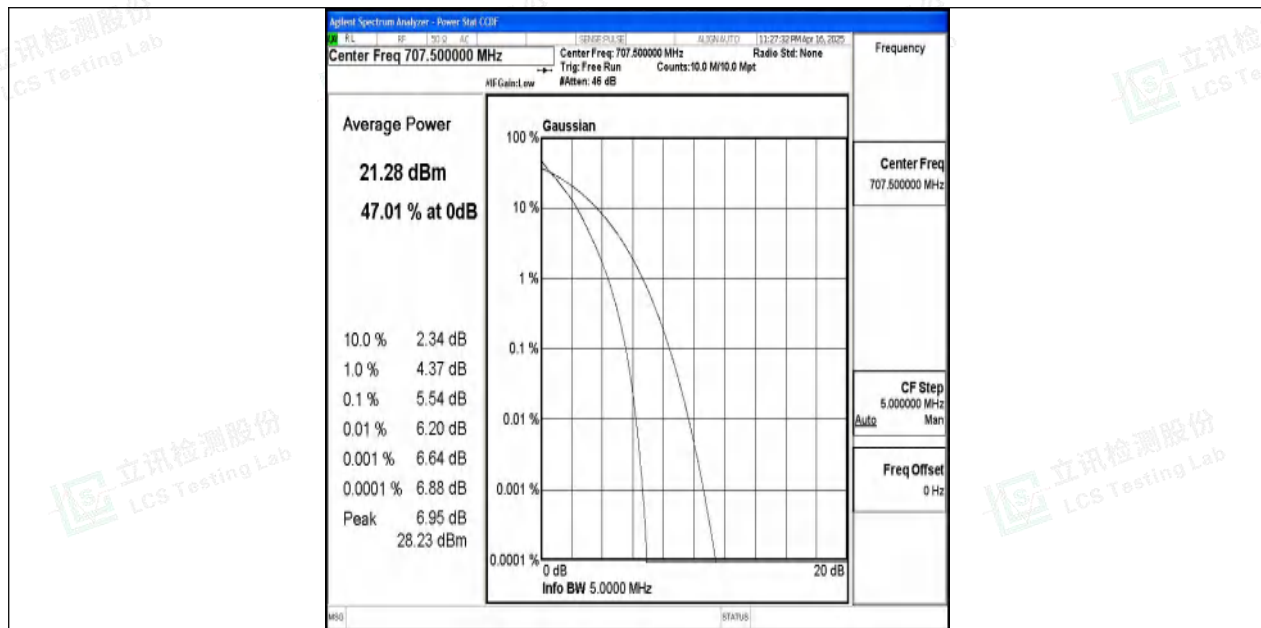


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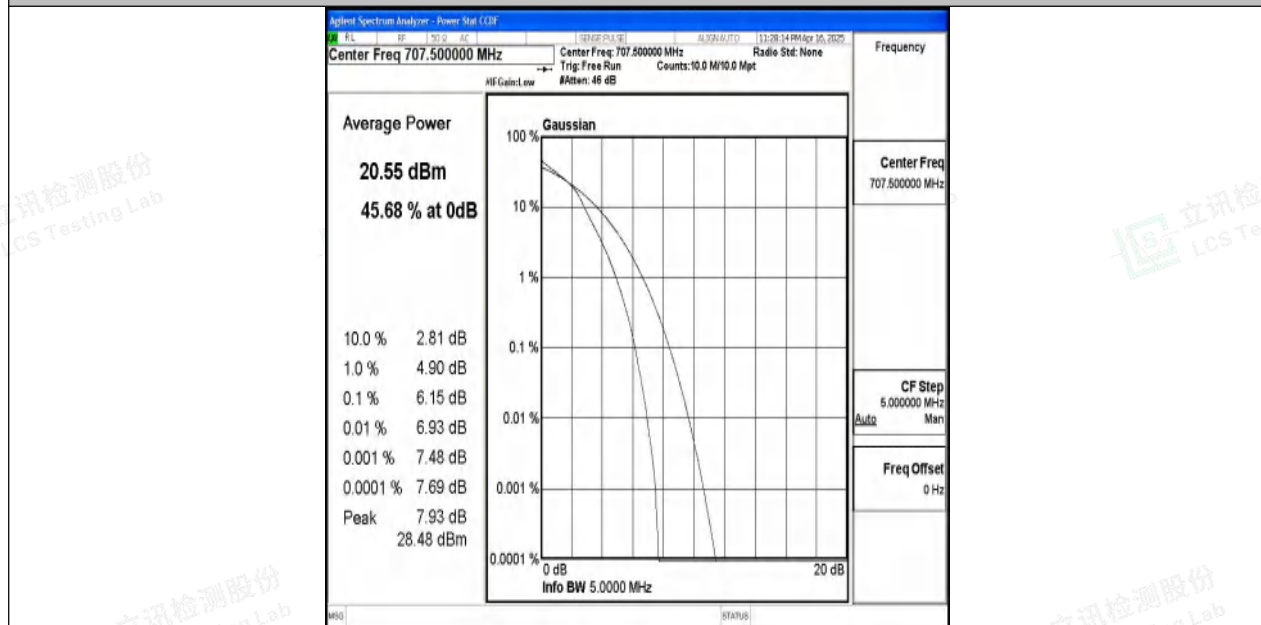
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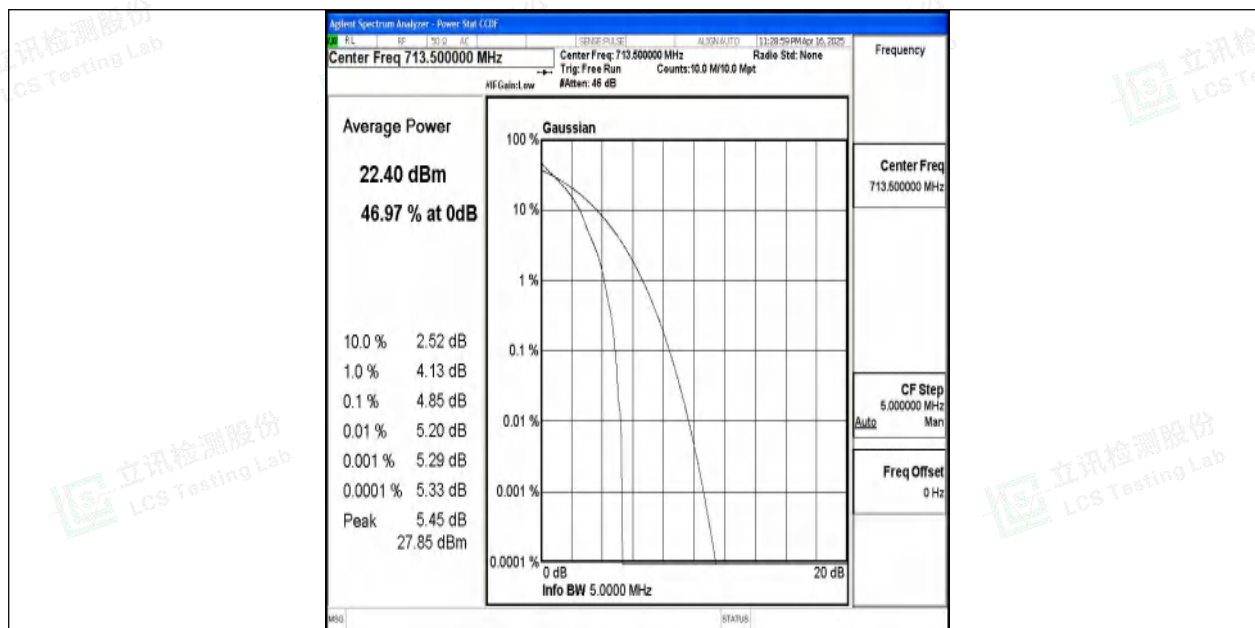


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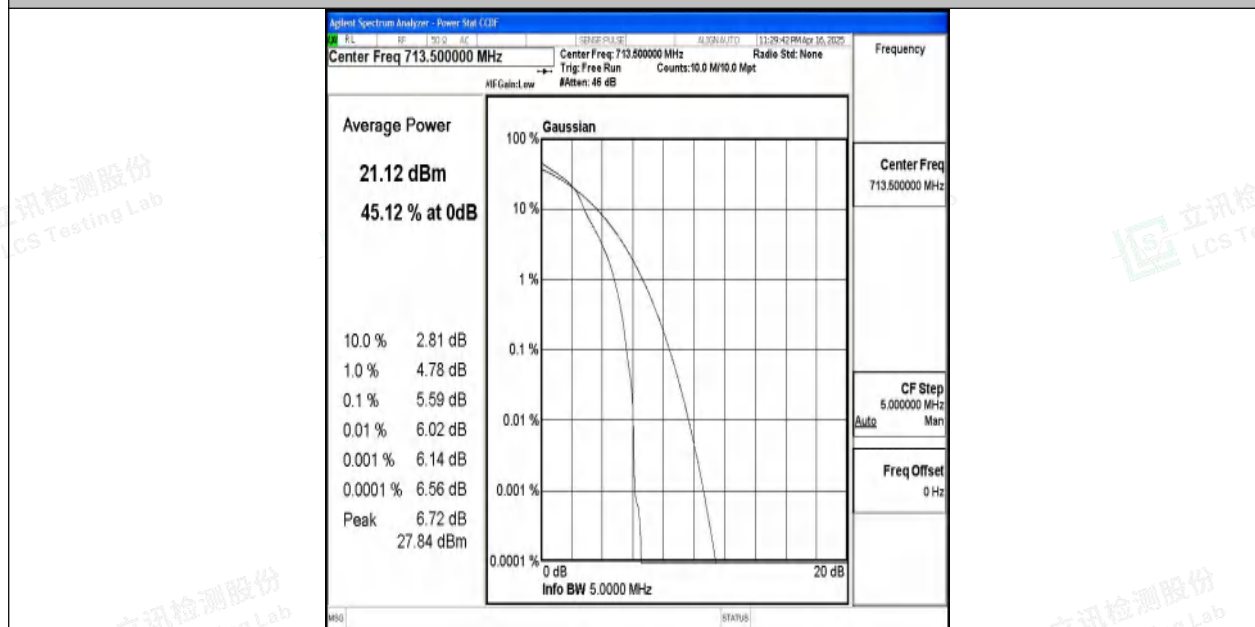


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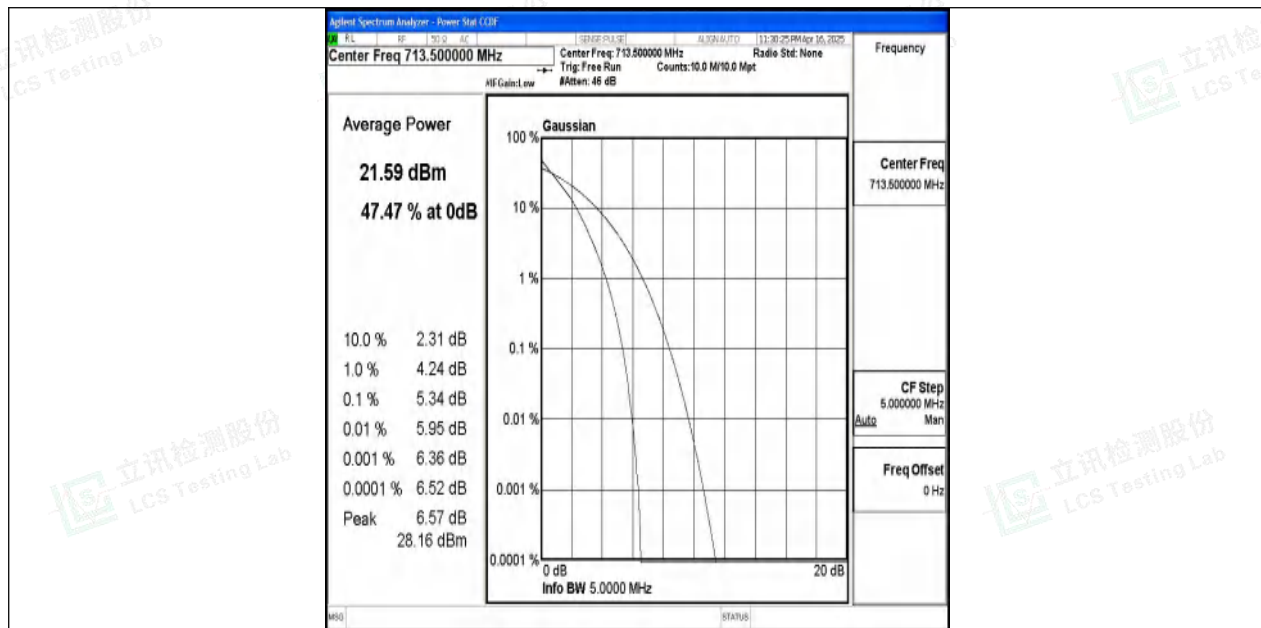


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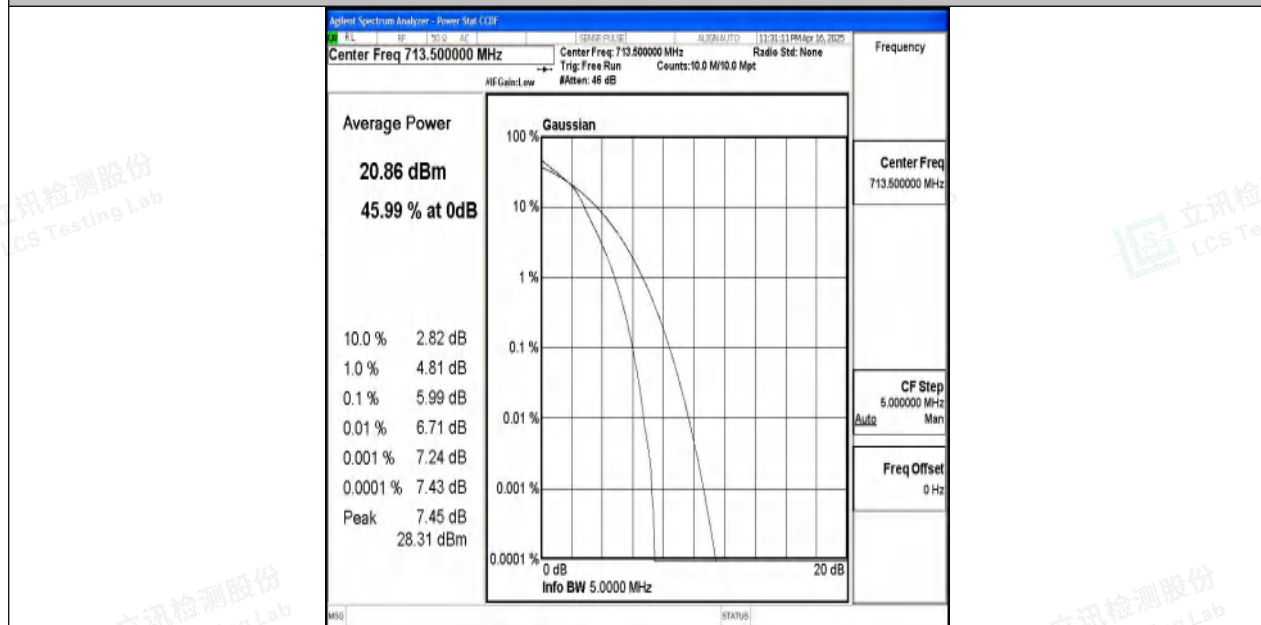


Band12-5MHz-16QAM-23155-1RB#0-PASS





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



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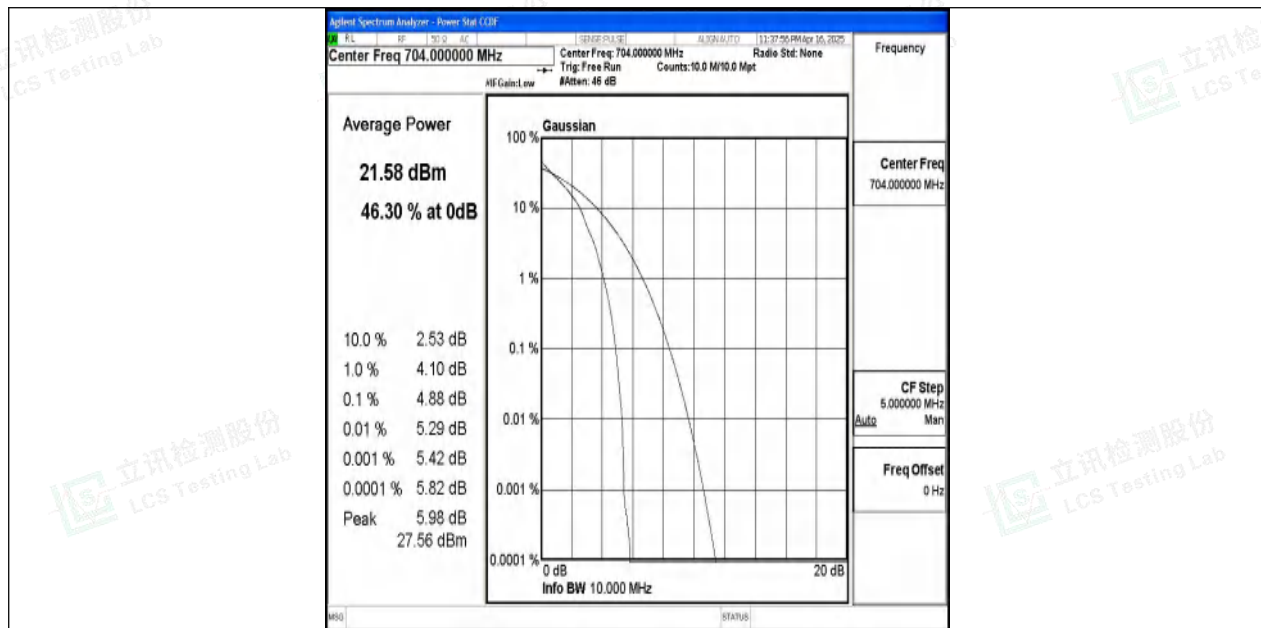


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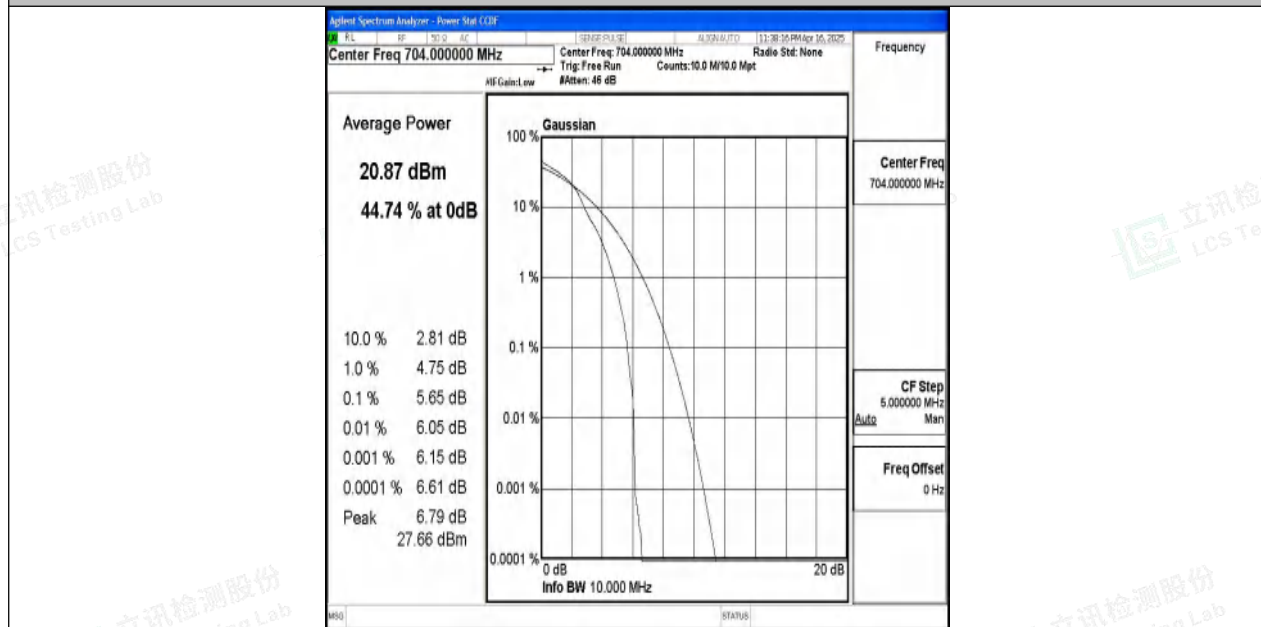
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Band12-10MHz-QPSK-23060-1RB#0-PASS



Band12-10MHz-16QAM-23060-1RB#0-PASS

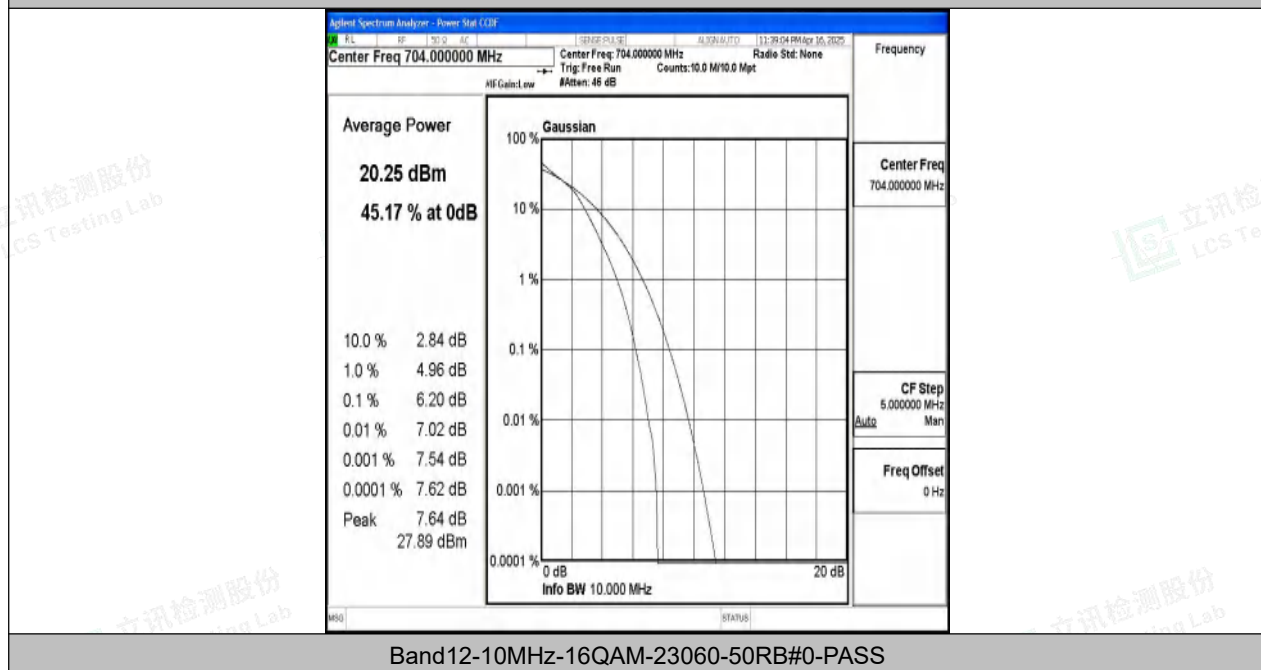
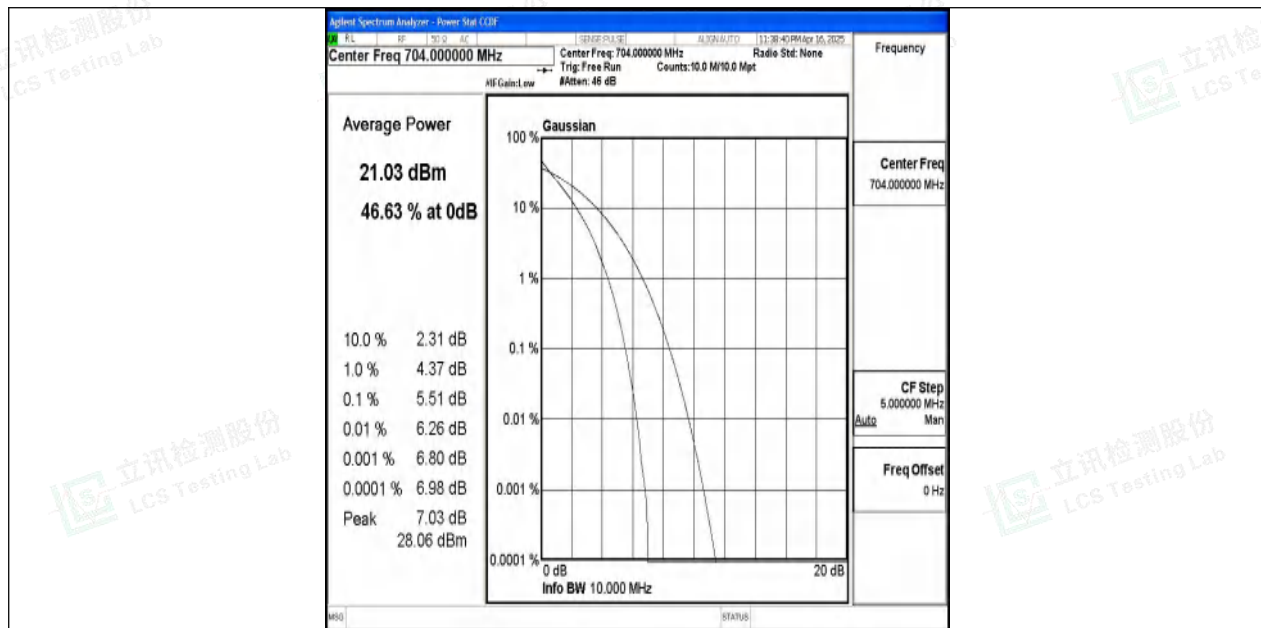


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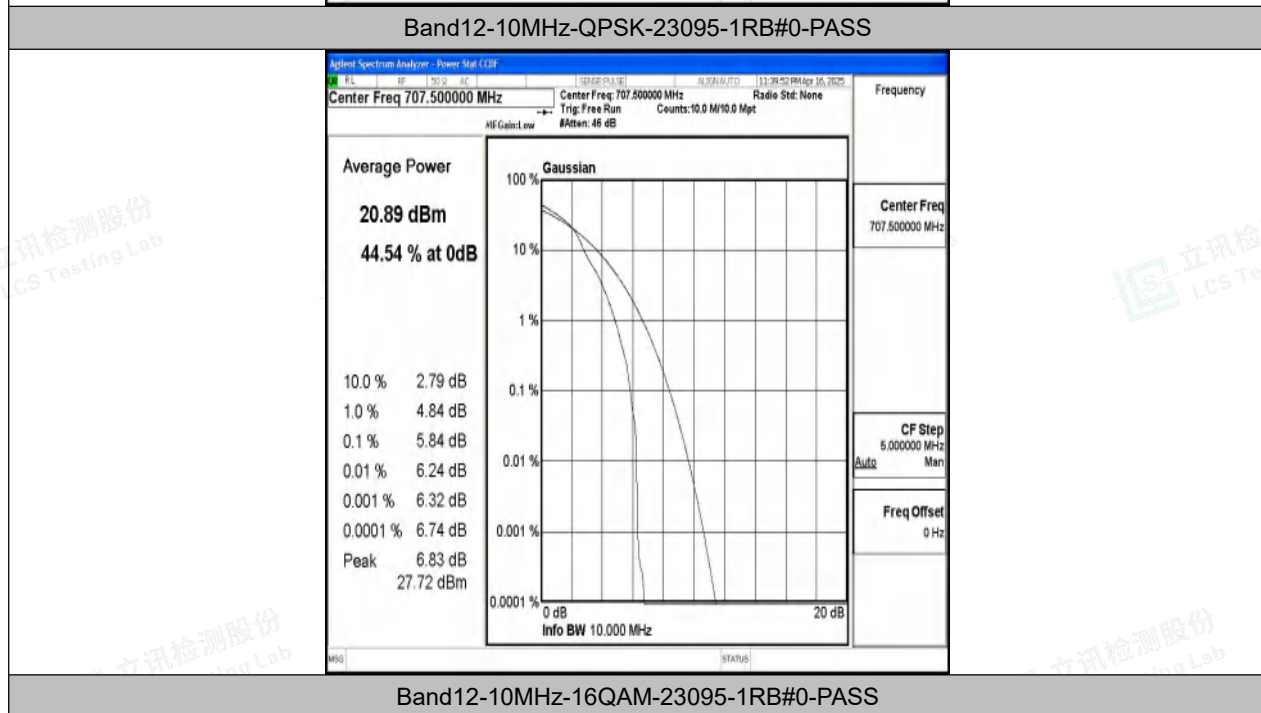
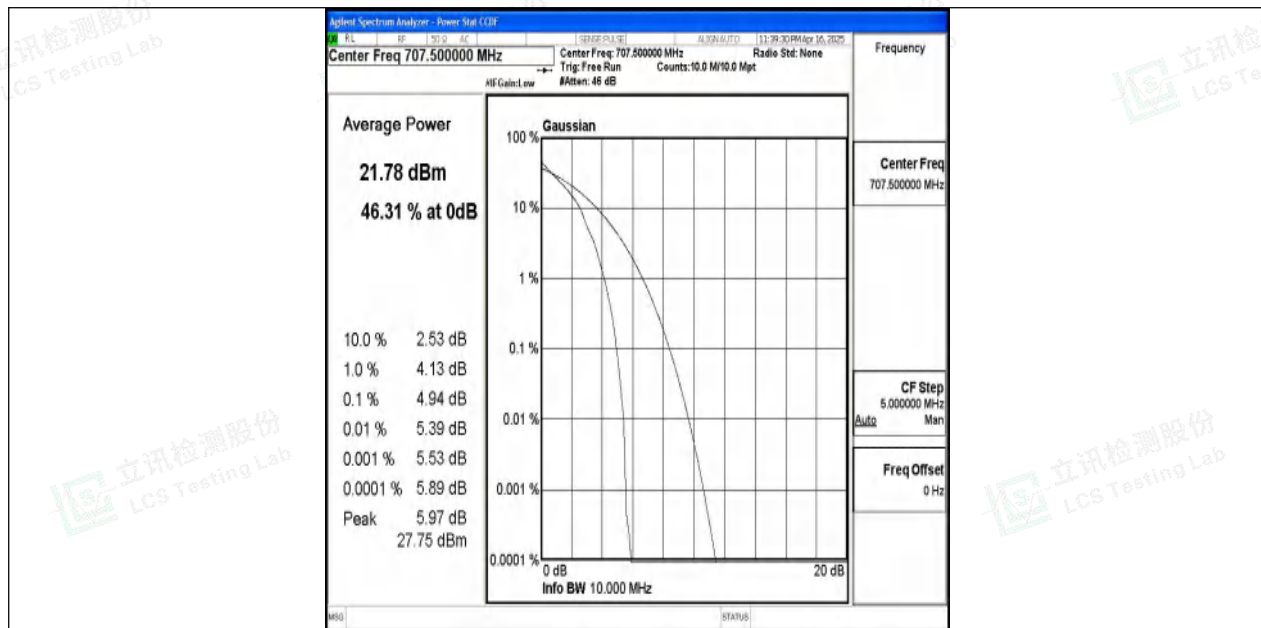


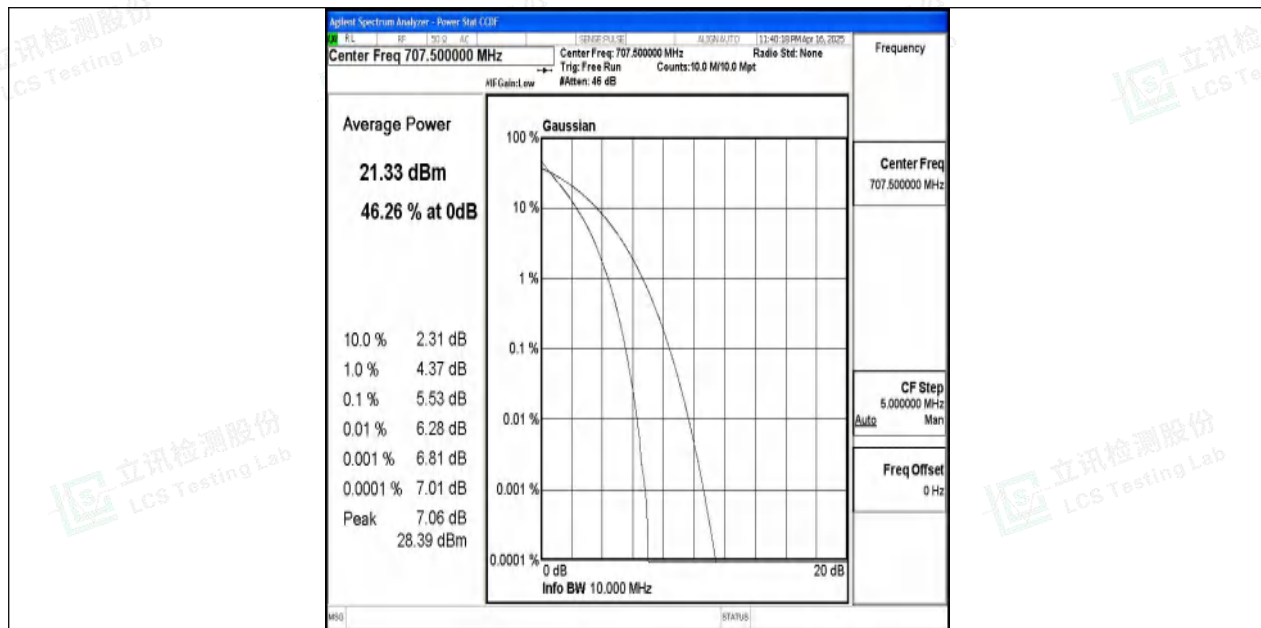
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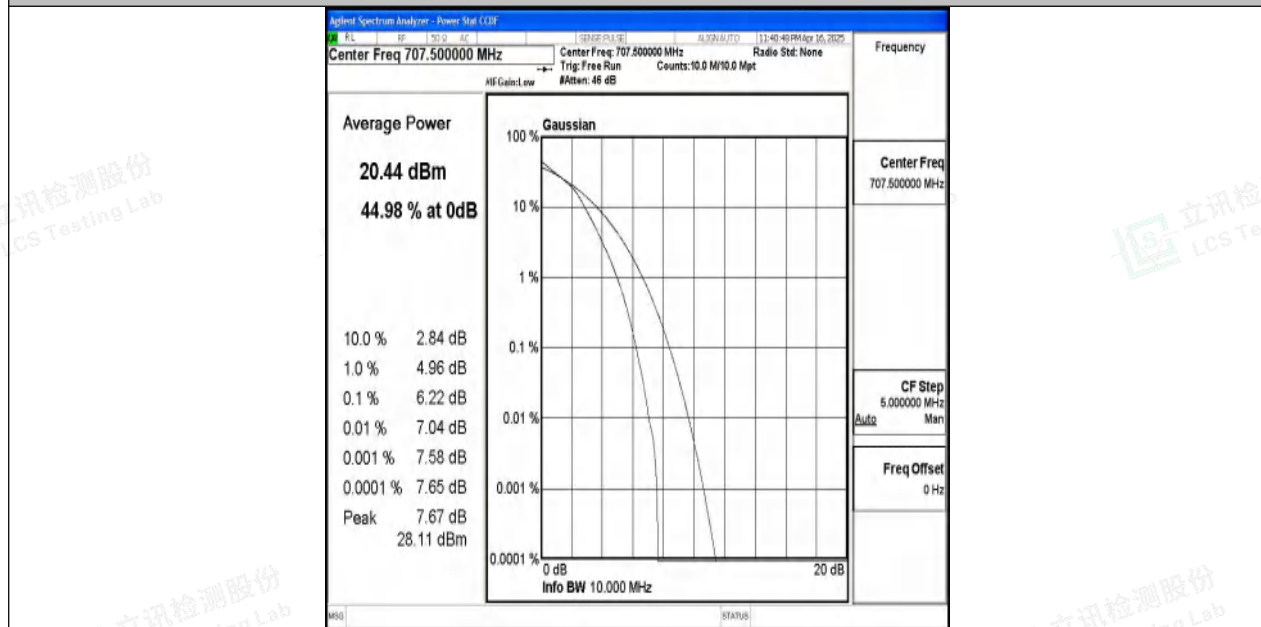
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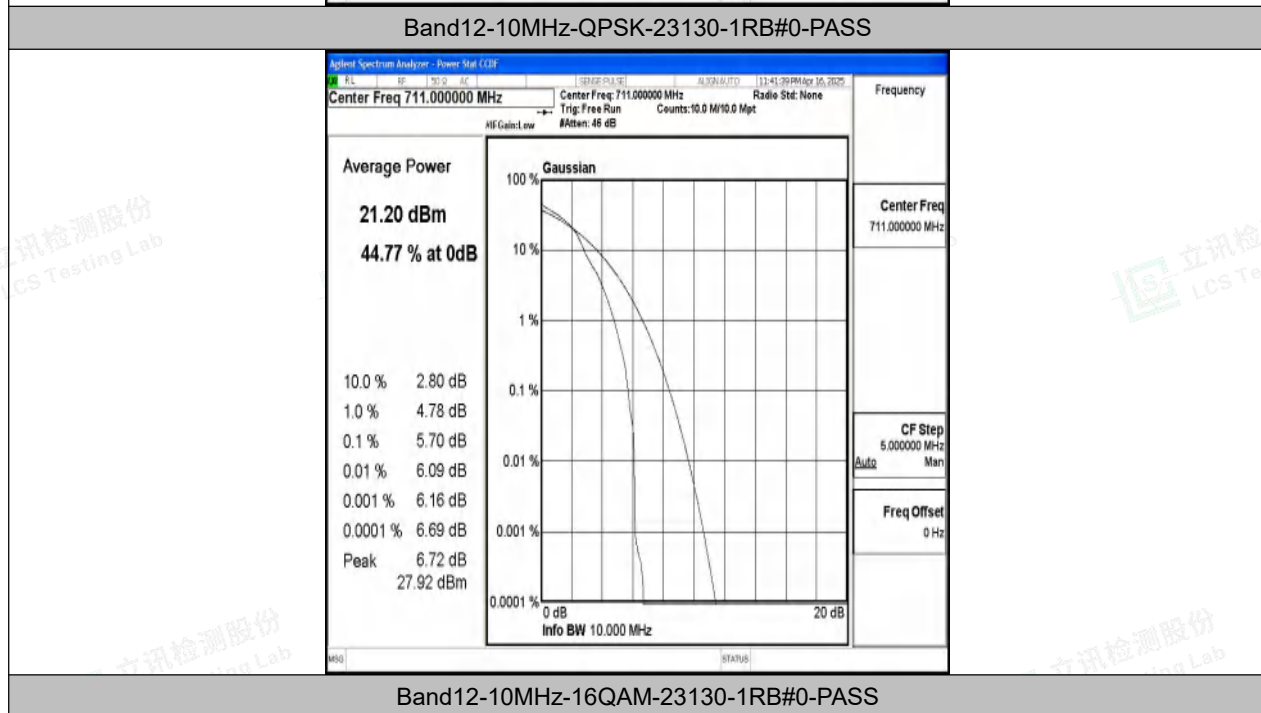
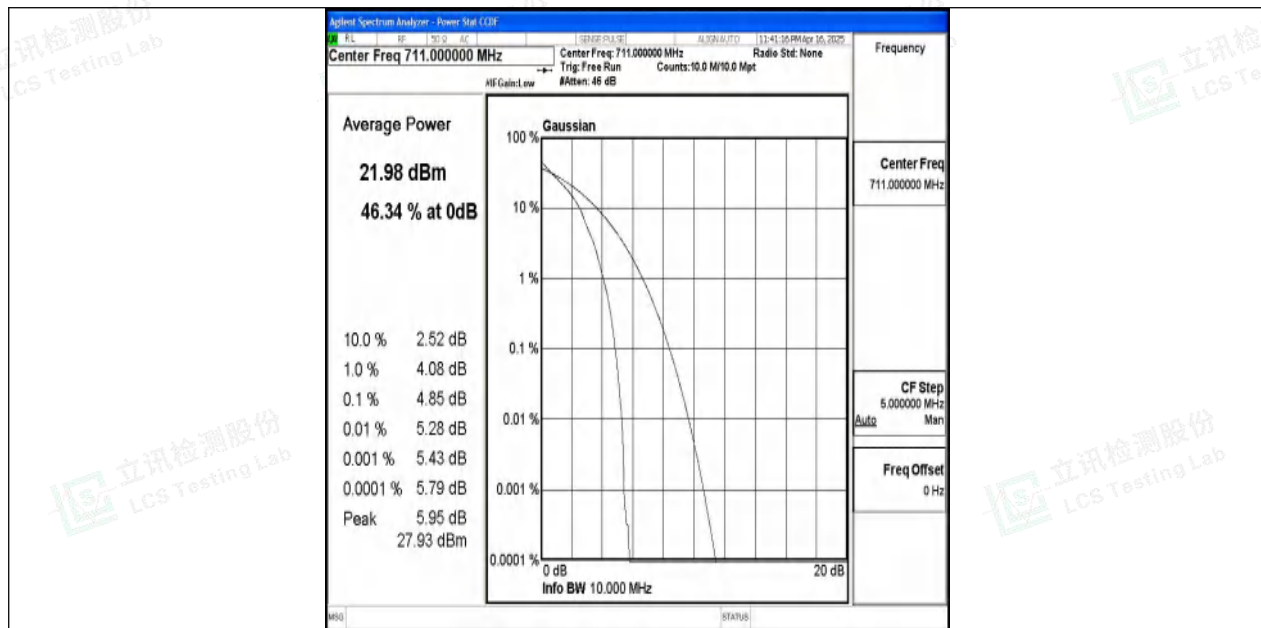


Band12-10MHz-QPSK-23095-50RB#0-PASS



Band12-10MHz-16QAM-23095-50RB#0-PASS



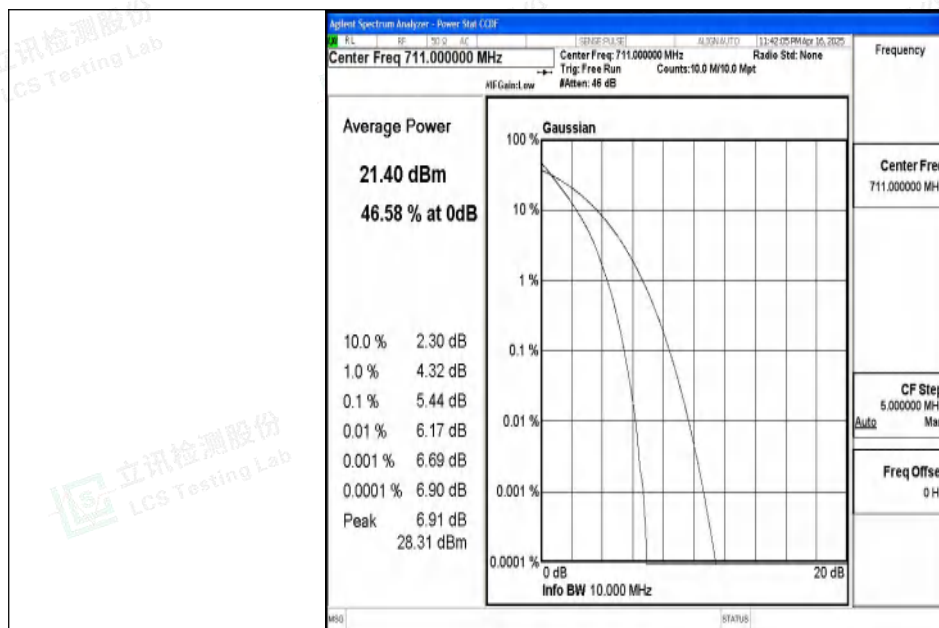


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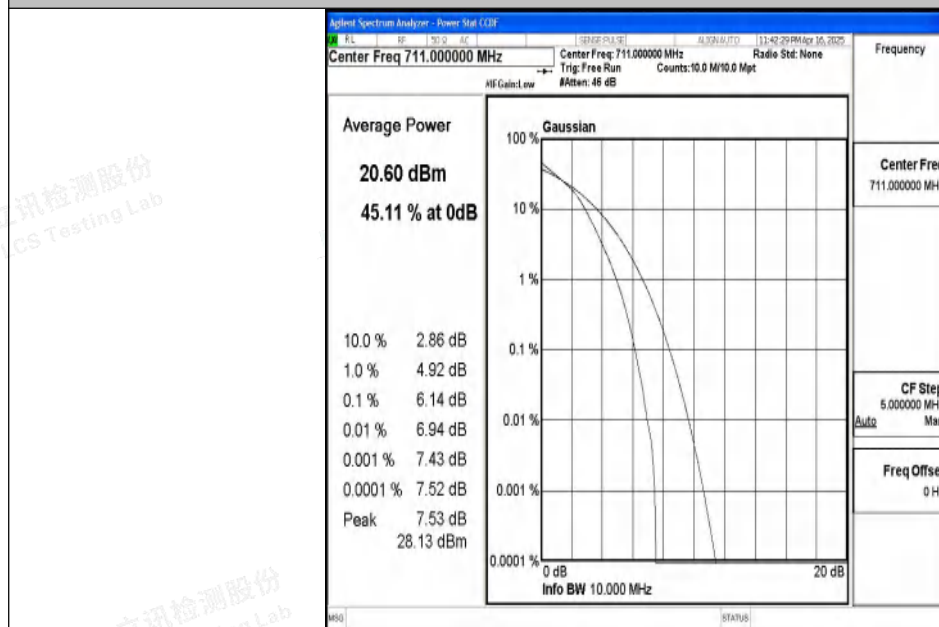
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Band12-10MHz-QPSK-23130-50RB#0-PASS



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



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

#### Test Result

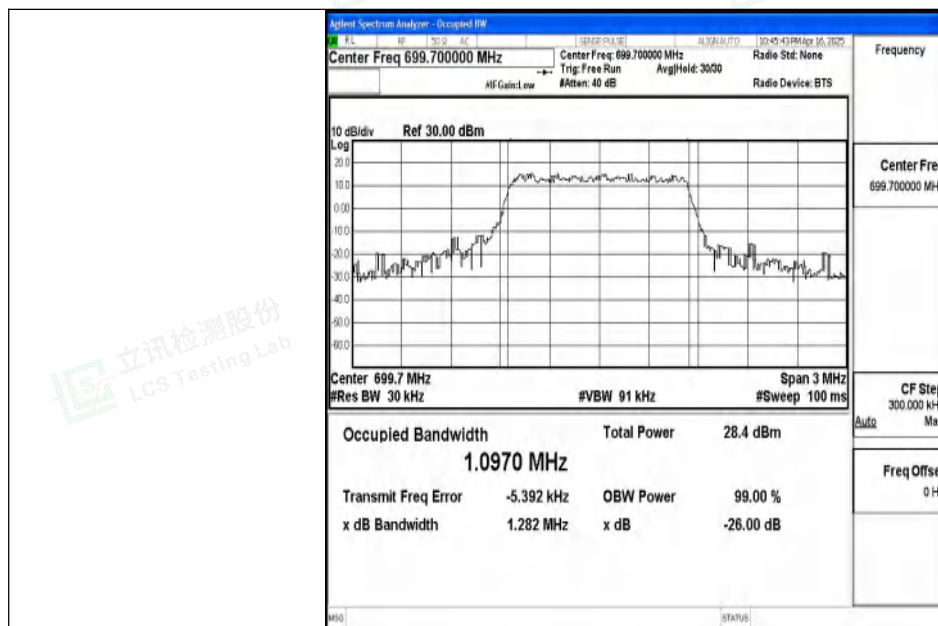
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | 1.0970                   | 1.282                | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | 1.1020                   | 1.292                | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 6RB#0            | 1.0939                   | 1.281                | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 6RB#0            | 1.1006                   | 1.322                | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 6RB#0            | 1.0948                   | 1.255                | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 6RB#0            | 1.1021                   | 1.345                | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 15RB#0           | 2.7592                   | 3.493                | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 15RB#0           | 2.7505                   | 3.248                | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 15RB#0           | 2.7746                   | 3.436                | PASS    |
| Band12 | 3MHz      | 16QAM      | 23095   | 15RB#0           | 2.7629                   | 3.222                | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 15RB#0           | 2.7743                   | 3.434                | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 15RB#0           | 2.7504                   | 3.324                | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 25RB#0           | 4.5282                   | 5.356                | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 25RB#0           | 4.5228                   | 5.329                | PASS    |
| Band12 | 5MHz      | QPSK       | 23095   | 25RB#0           | 4.5272                   | 5.332                | PASS    |
| Band12 | 5MHz      | 16QAM      | 23095   | 25RB#0           | 4.5111                   | 5.175                | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 25RB#0           | 4.5146                   | 5.311                | PASS    |
| Band12 | 5MHz      | 16QAM      | 23155   | 25RB#0           | 4.5210                   | 5.266                | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0           | 8.9836                   | 9.975                | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 50RB#0           | 8.9784                   | 10.11                | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0           | 9.0009                   | 10.09                | PASS    |
| Band12 | 10MHz     | 16QAM      | 23095   | 50RB#0           | 8.9968                   | 10.16                | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0           | 9.0032                   | 10.08                | PASS    |
| Band12 | 10MHz     | 16QAM      | 23130   | 50RB#0           | 8.9994                   | 10.21                | PASS    |



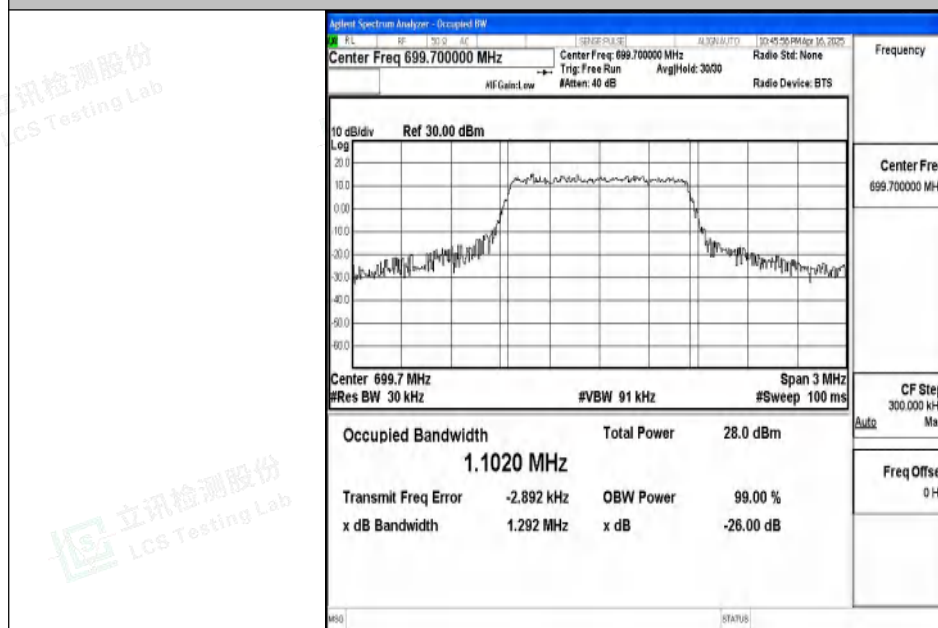
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## Test Graphs



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



Band12-1.4MHz-16QAM-23017-6RB#0-PASS

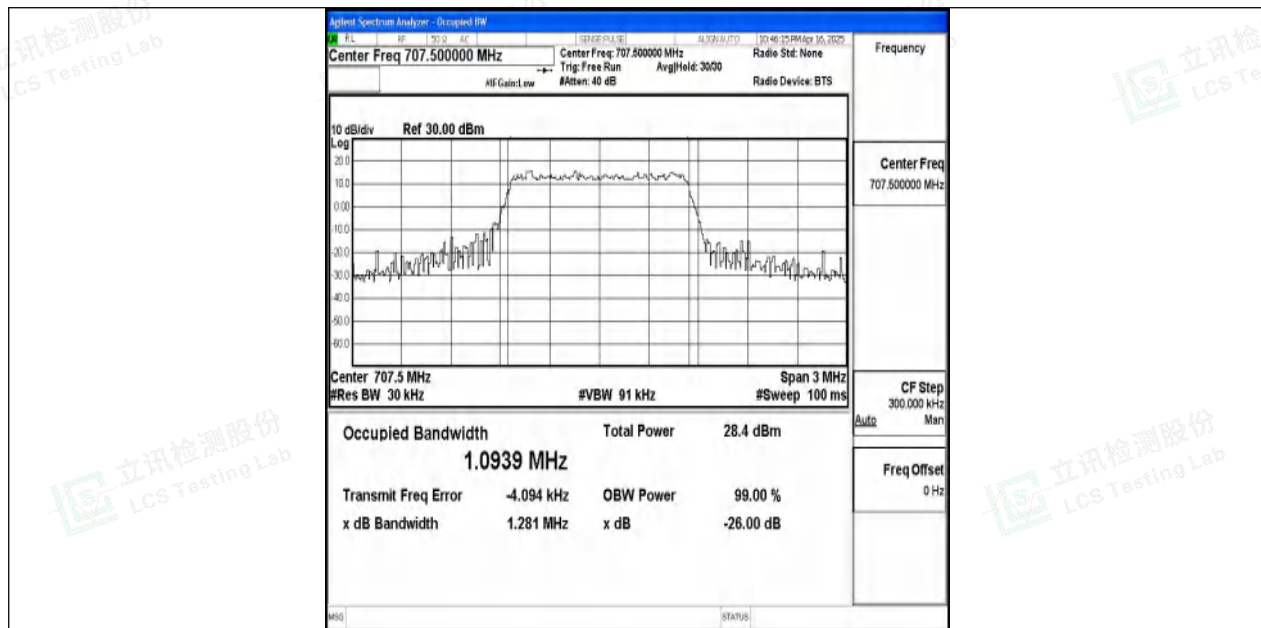


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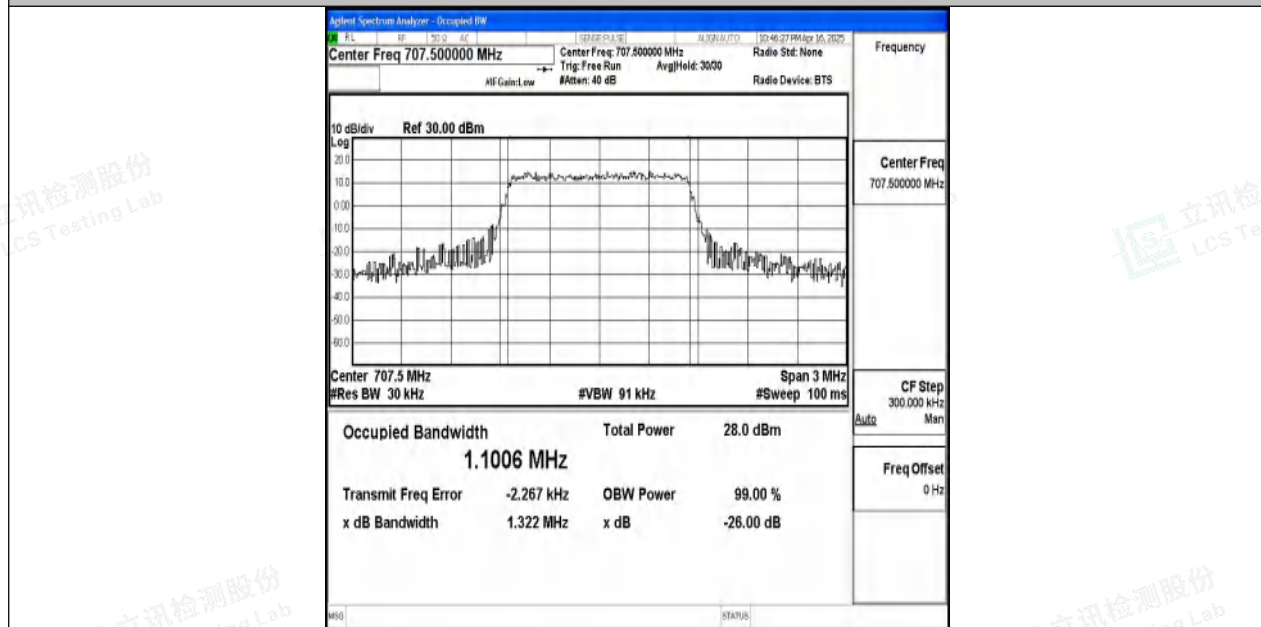
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Band12-1.4MHz-QPSK-23095-6RB#0-PASS



Band12-1.4MHz-16QAM-23095-6RB#0-PASS

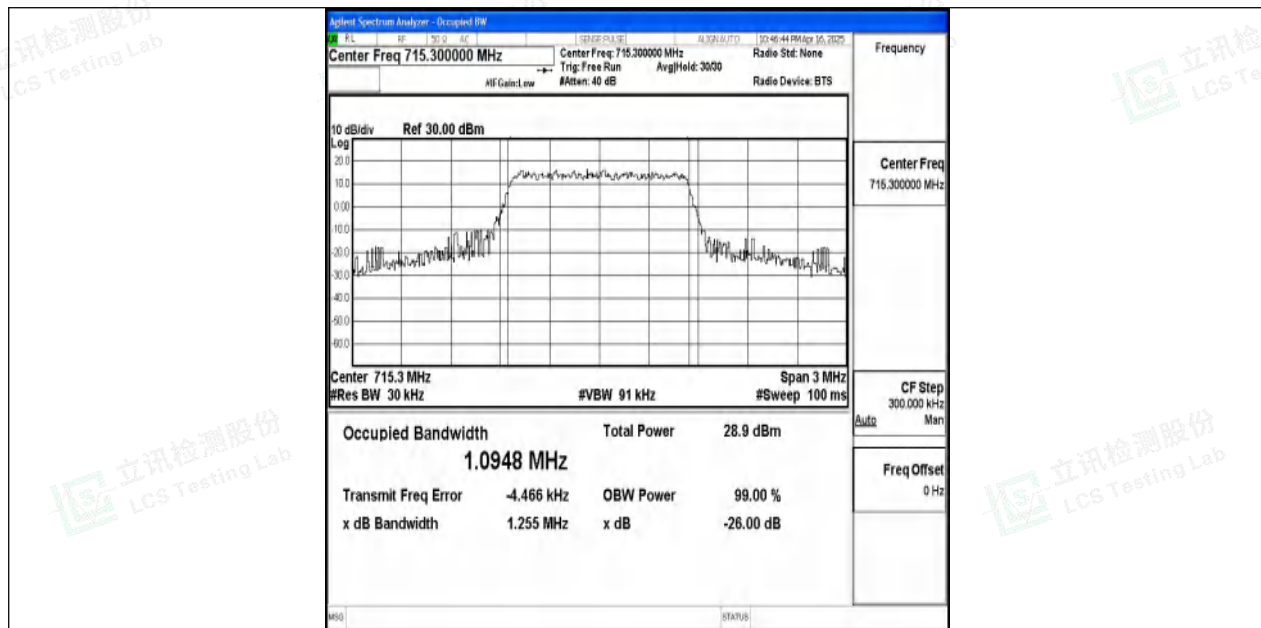


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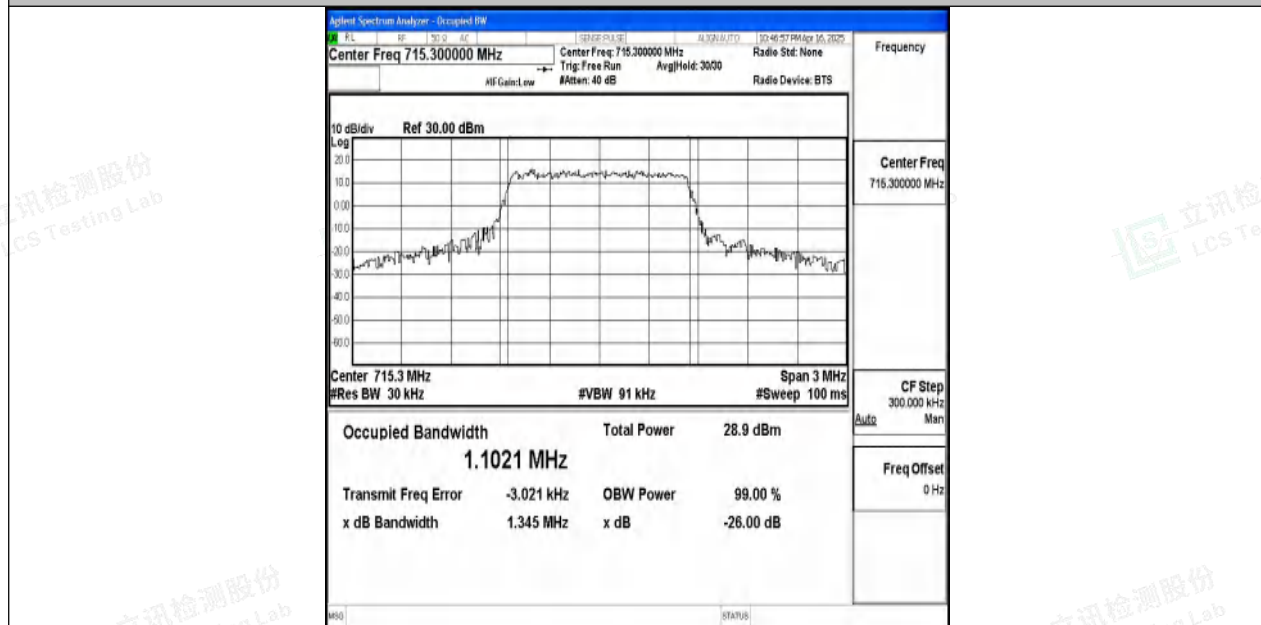
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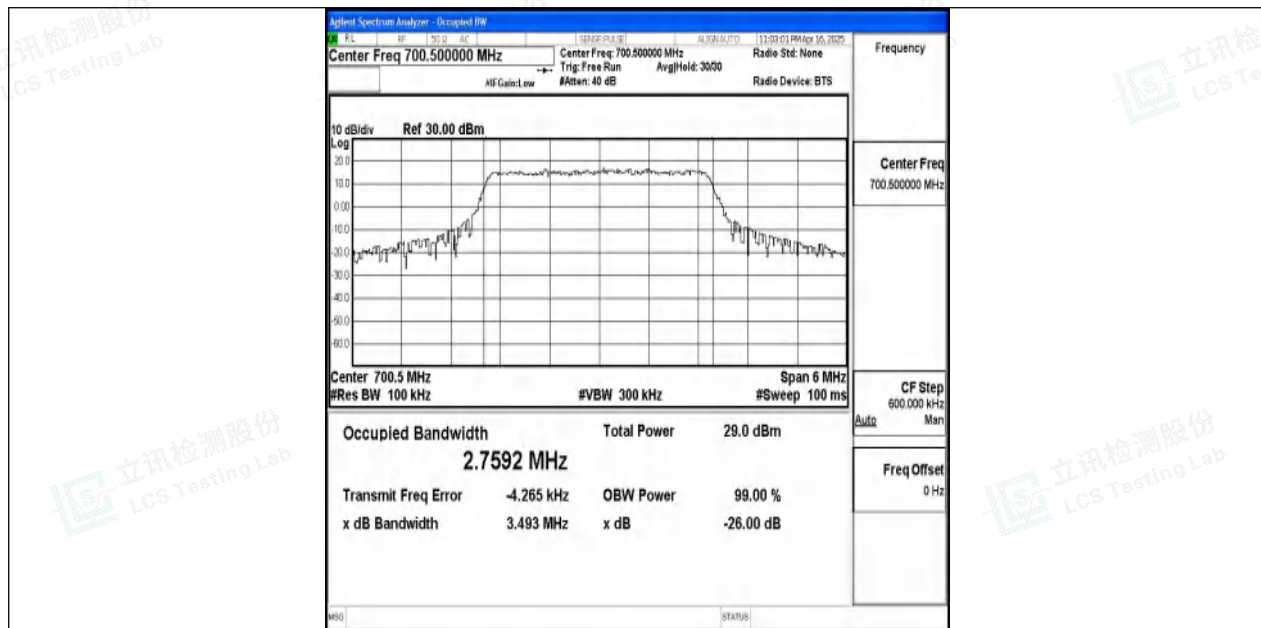


Band12-1.4MHz-QPSK-23173-6RB#0-PASS

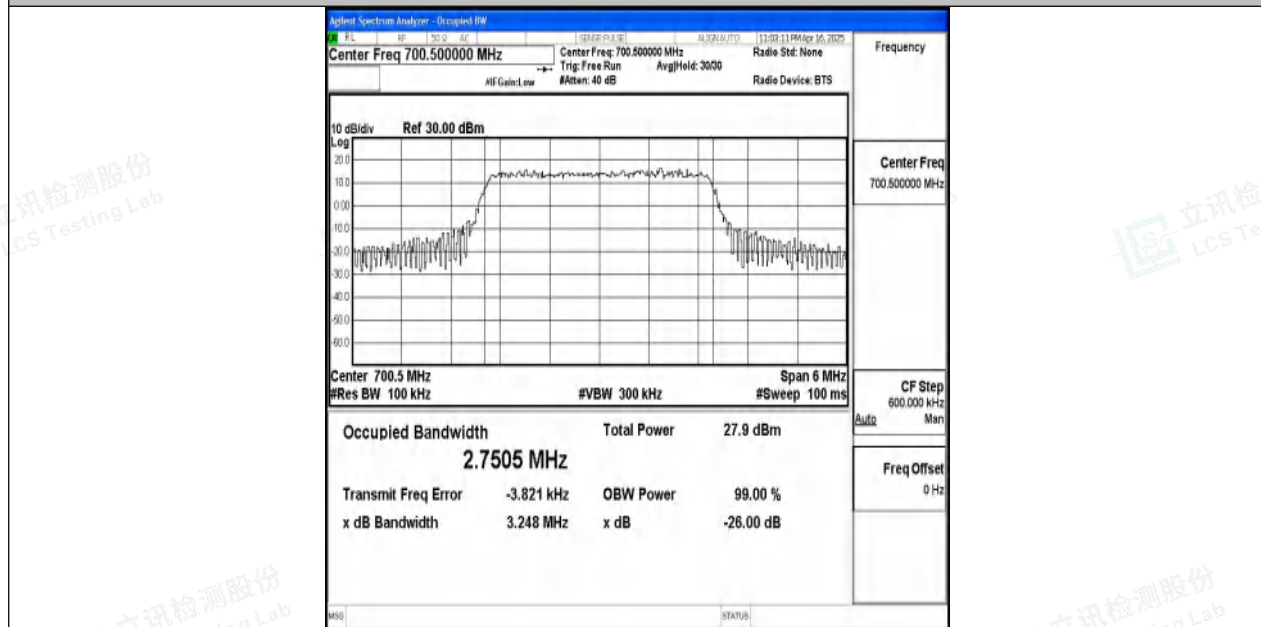


Band12-1.4MHz-16QAM-23173-6RB#0-PASS





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



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

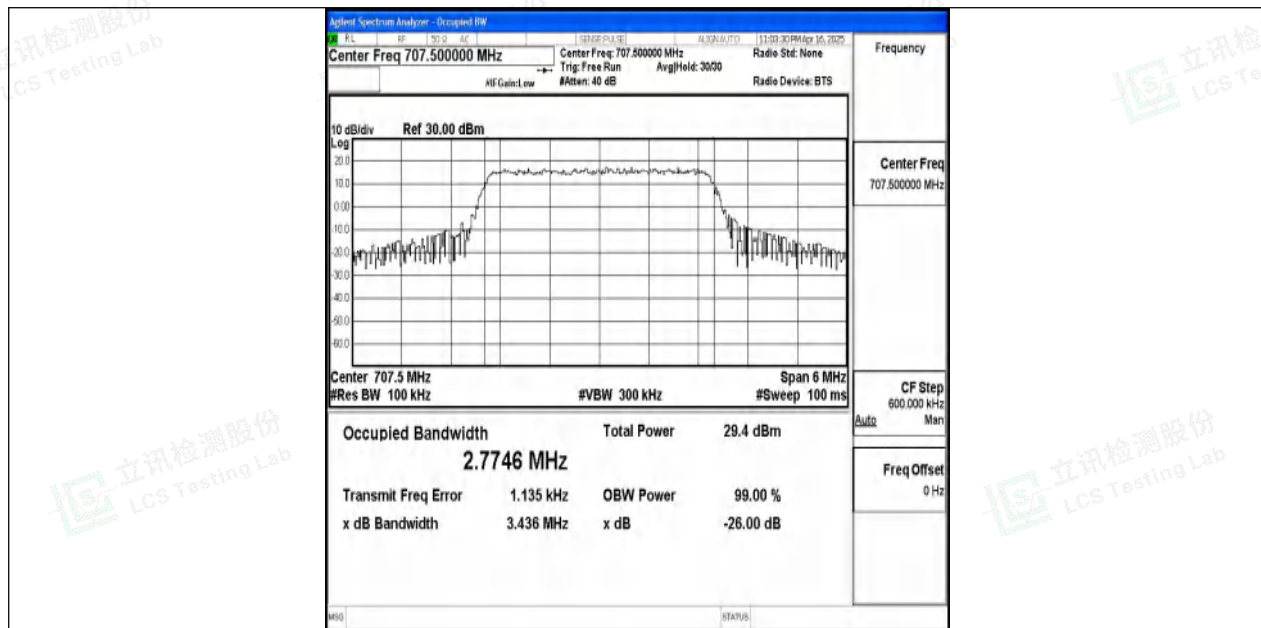


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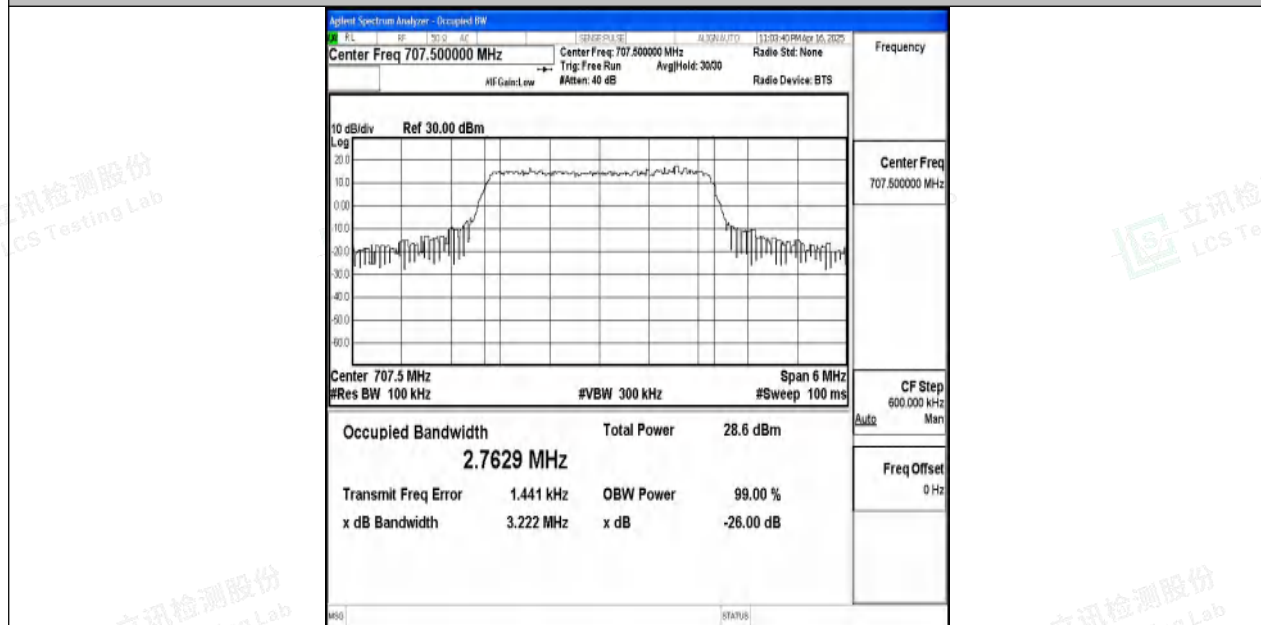
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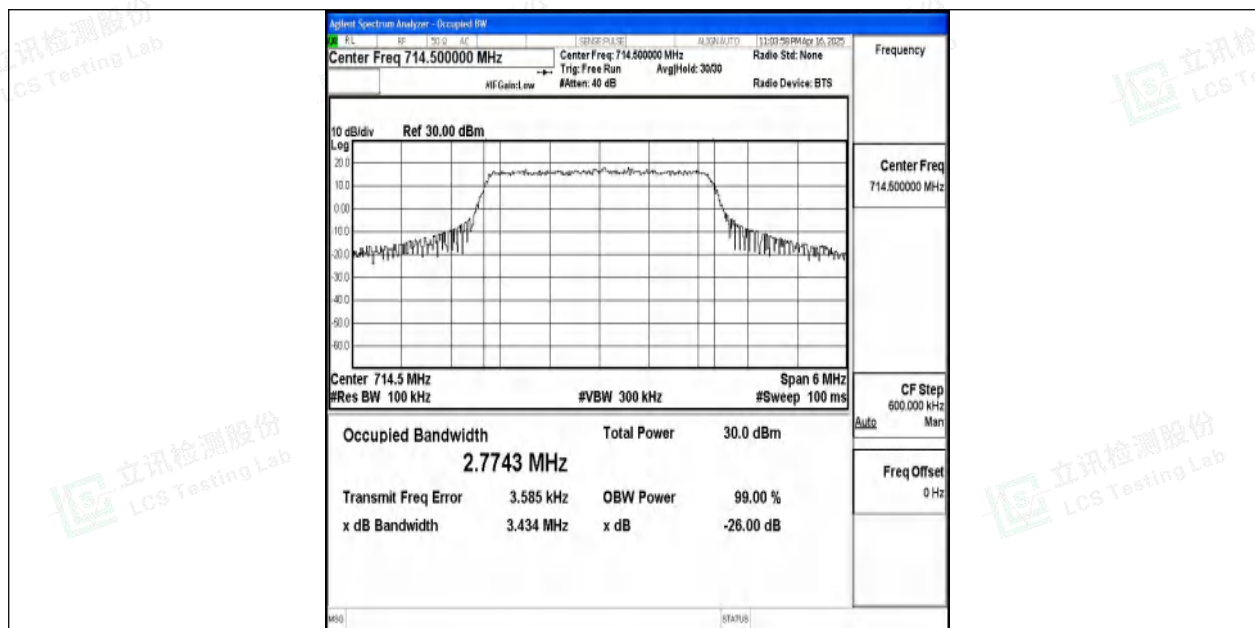


Band12-3MHz-QPSK-23095-15RB#0-PASS

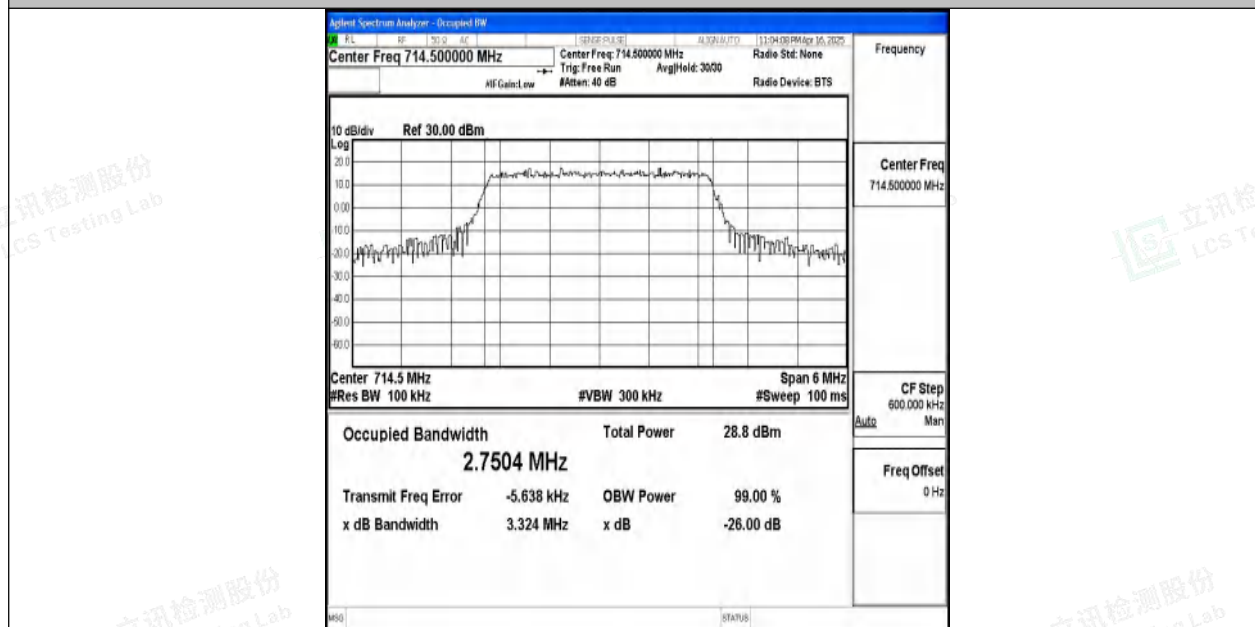


Band12-3MHz-16QAM-23095-15RB#0-PASS





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



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

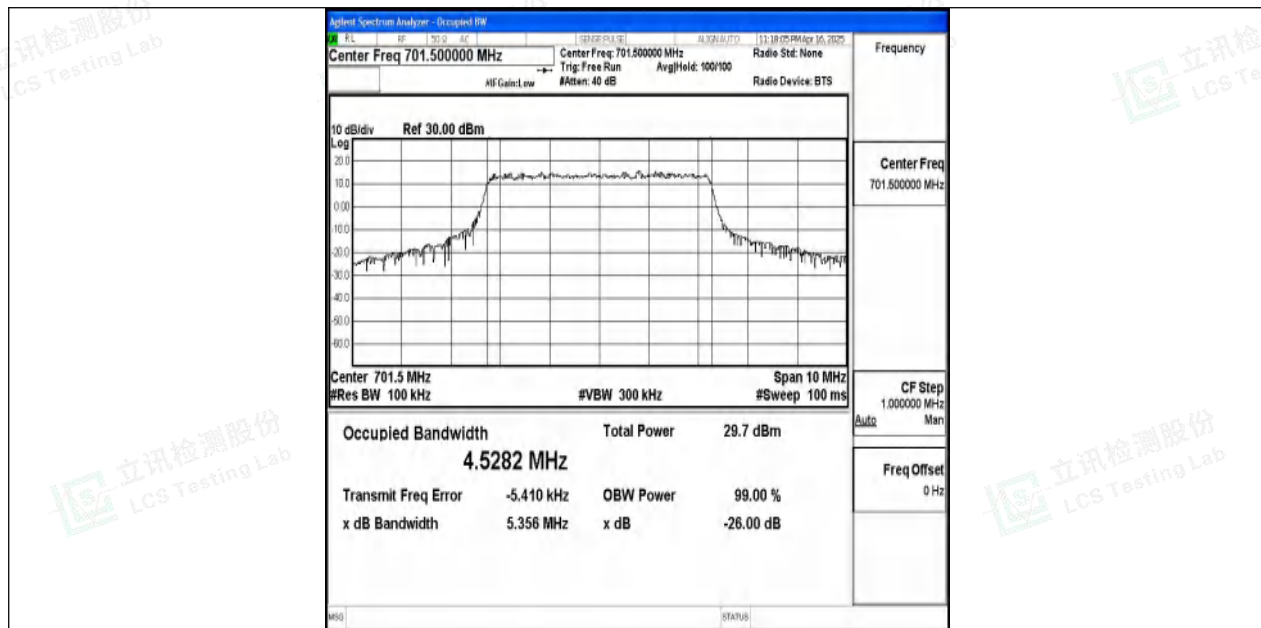


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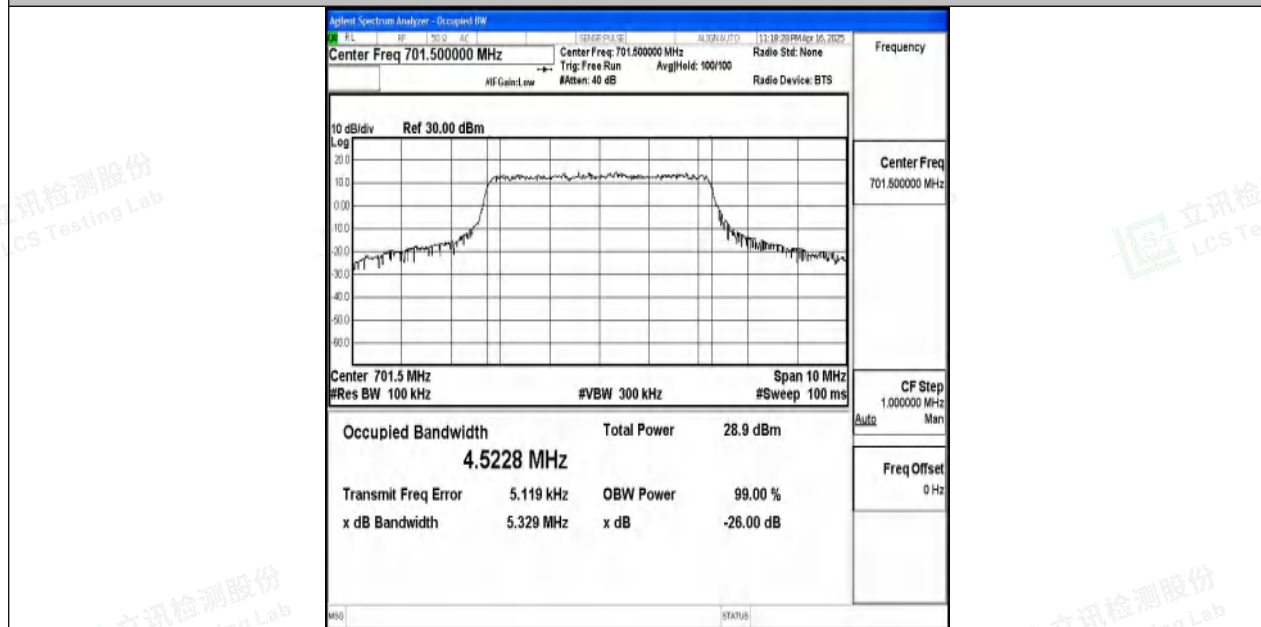
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Band12-5MHz-QPSK-23035-25RB#0-PASS



Band12-5MHz-16QAM-23035-25RB#0-PASS

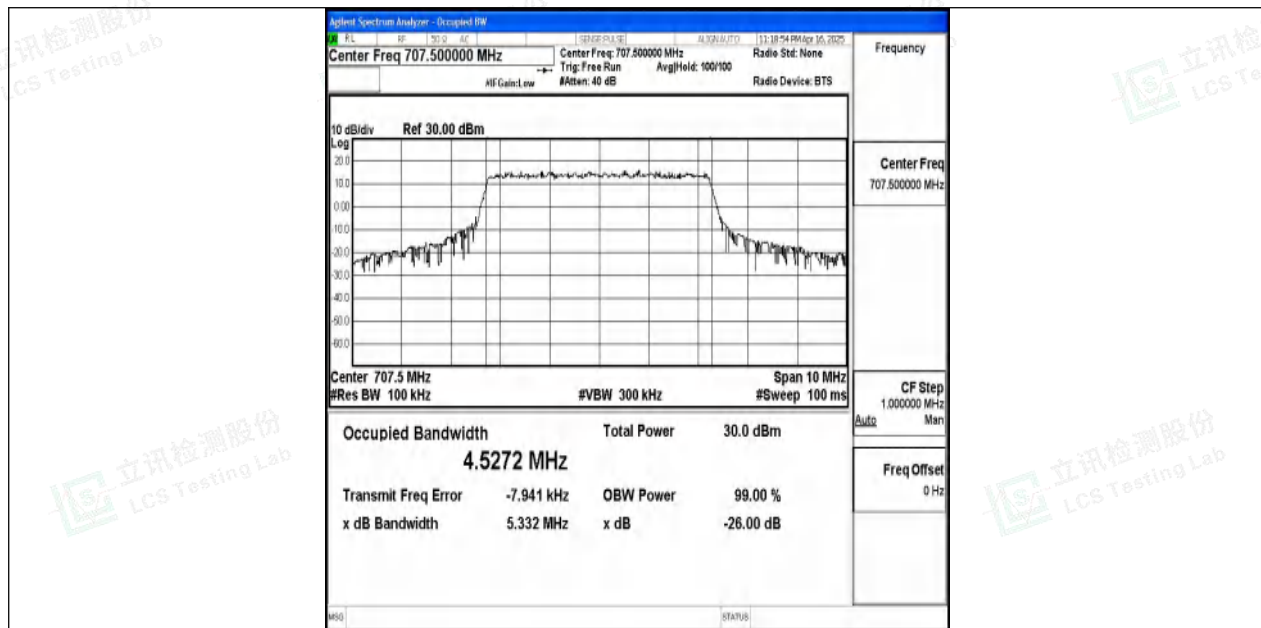


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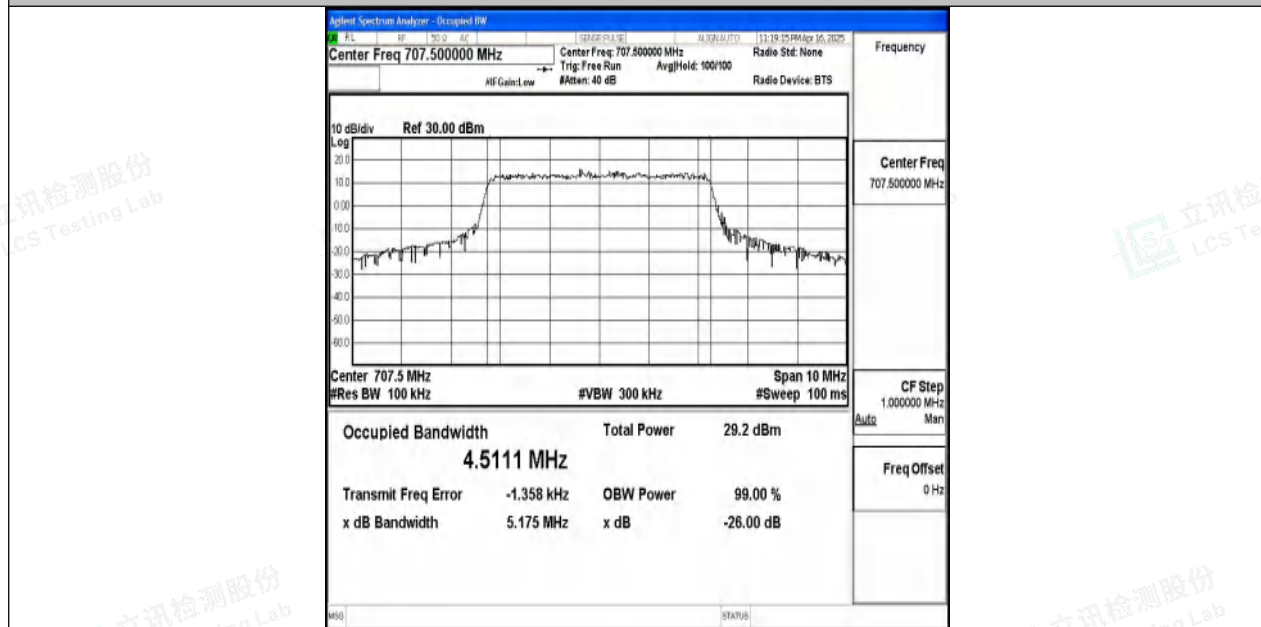
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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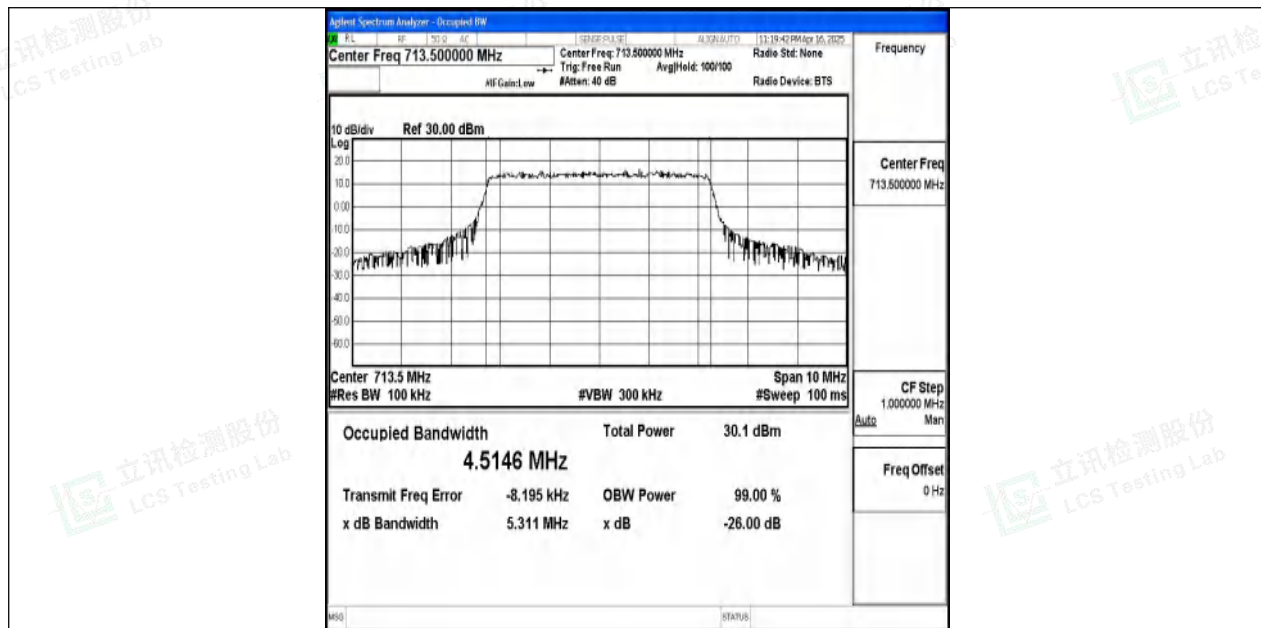


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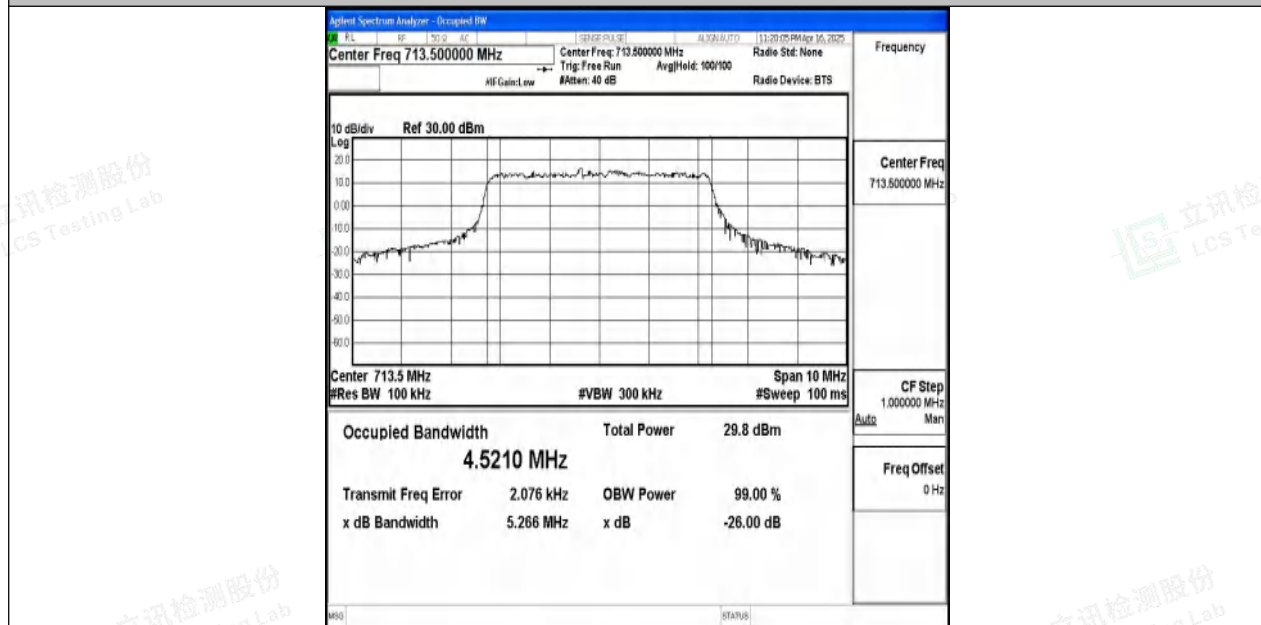


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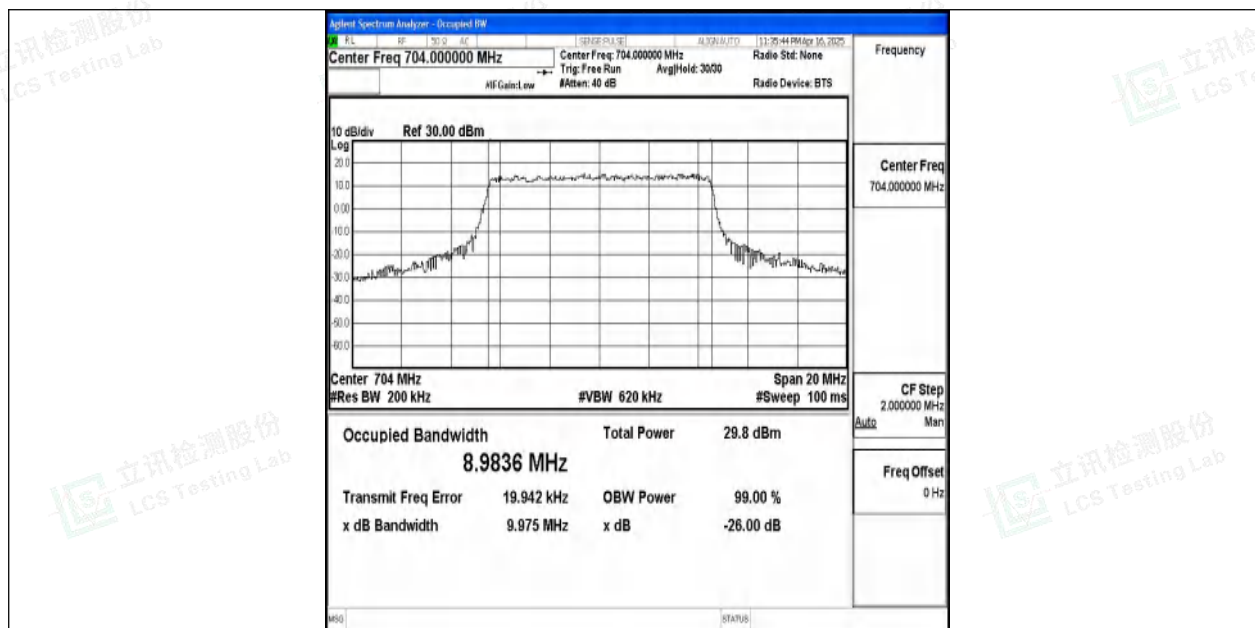


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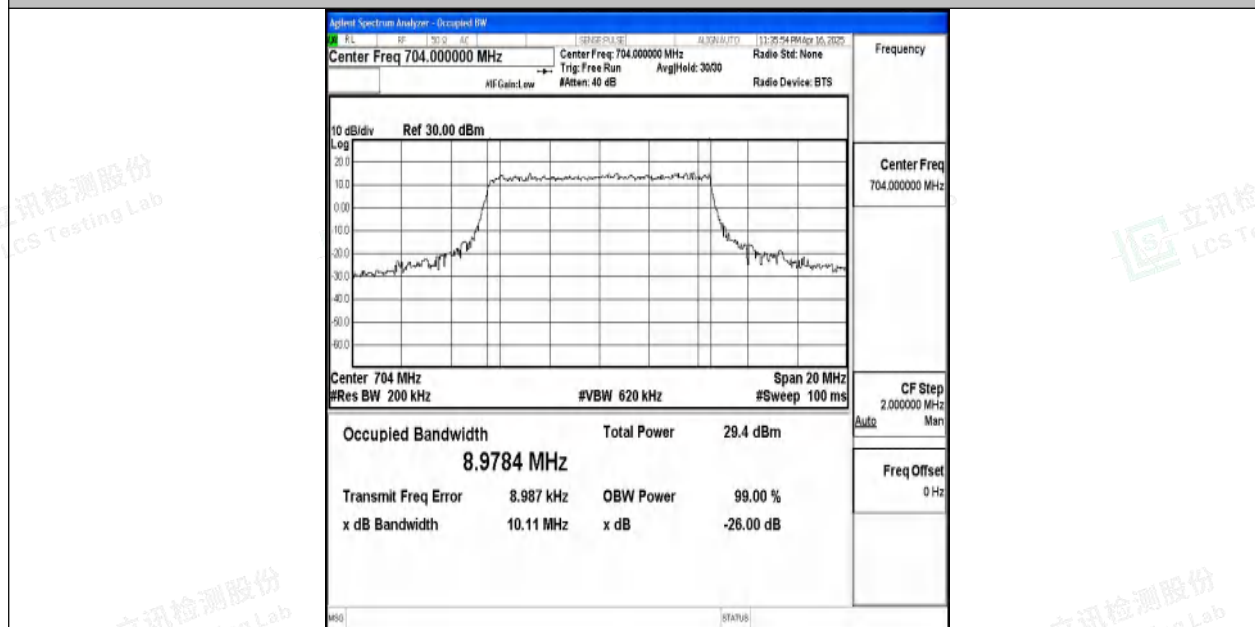


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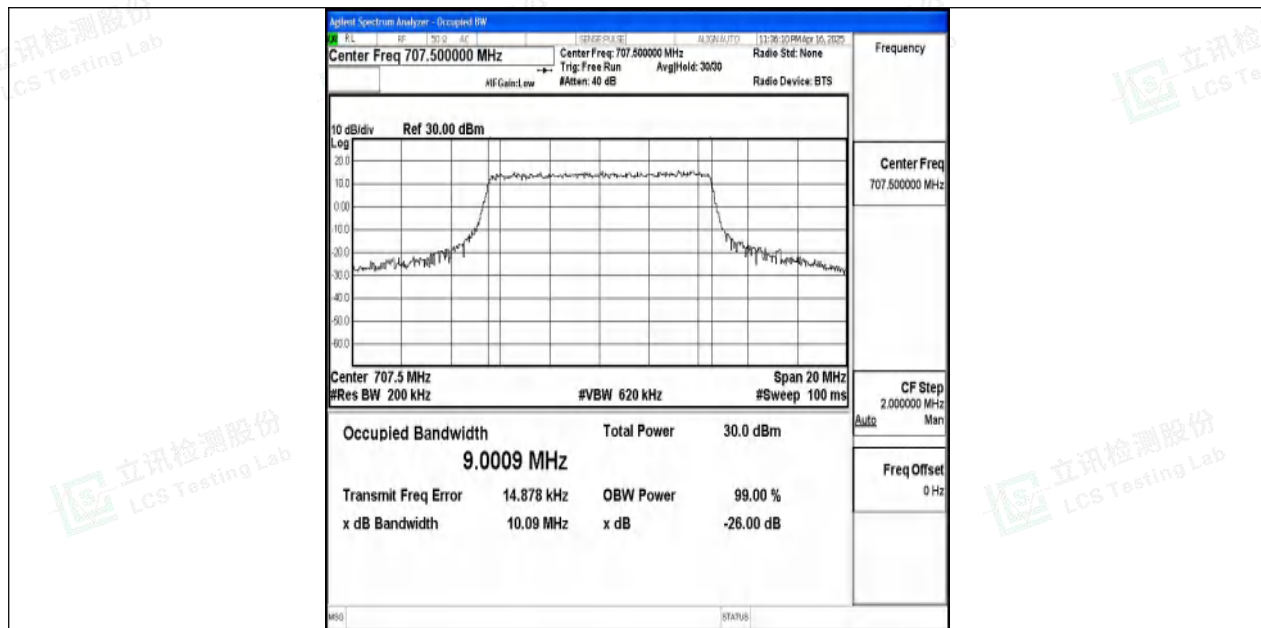


Band12-10MHz-QPSK-23060-50RB#0-PASS

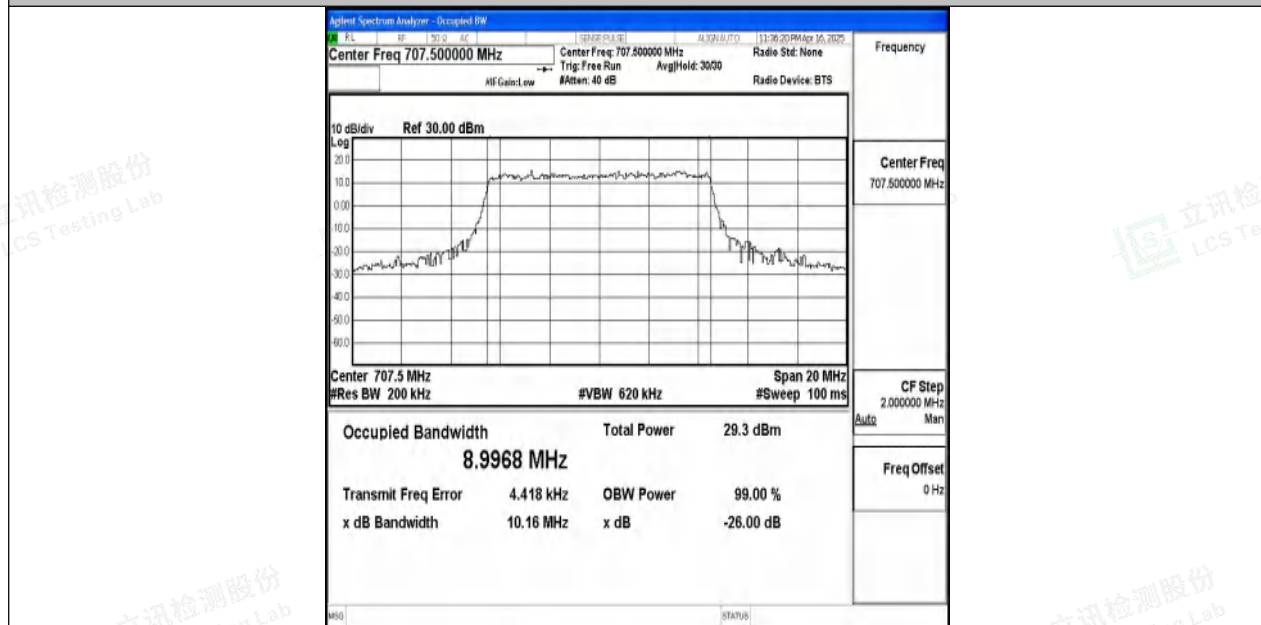


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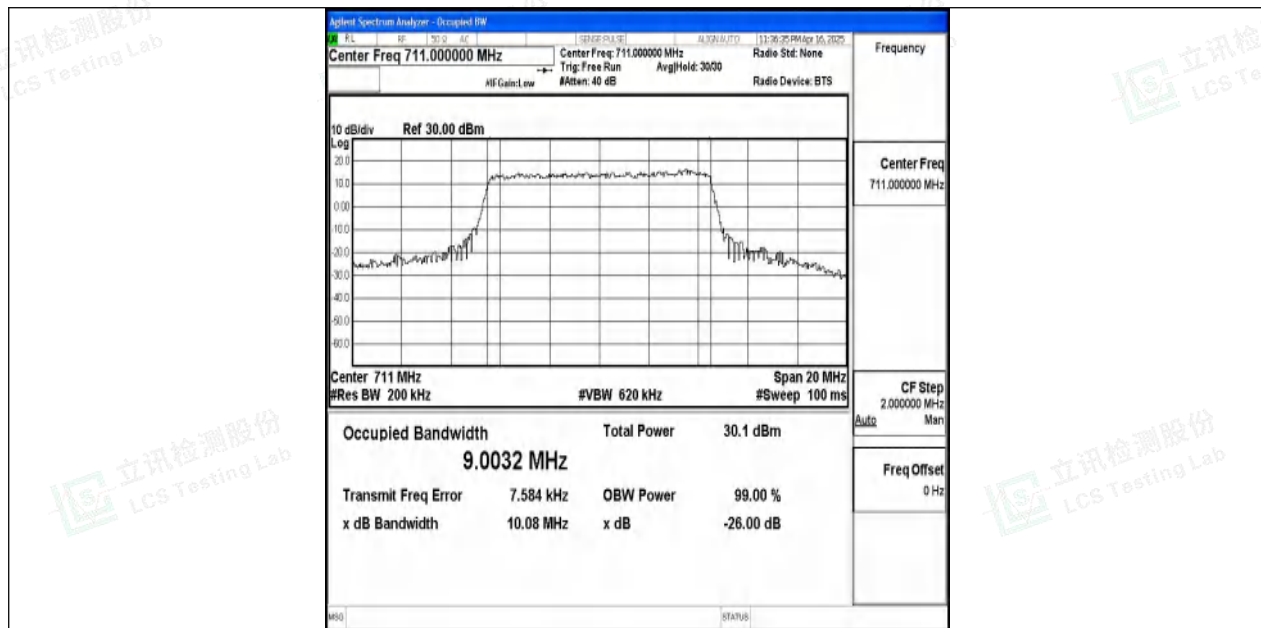


Band12-10MHz-QPSK-23095-50RB#0-PASS

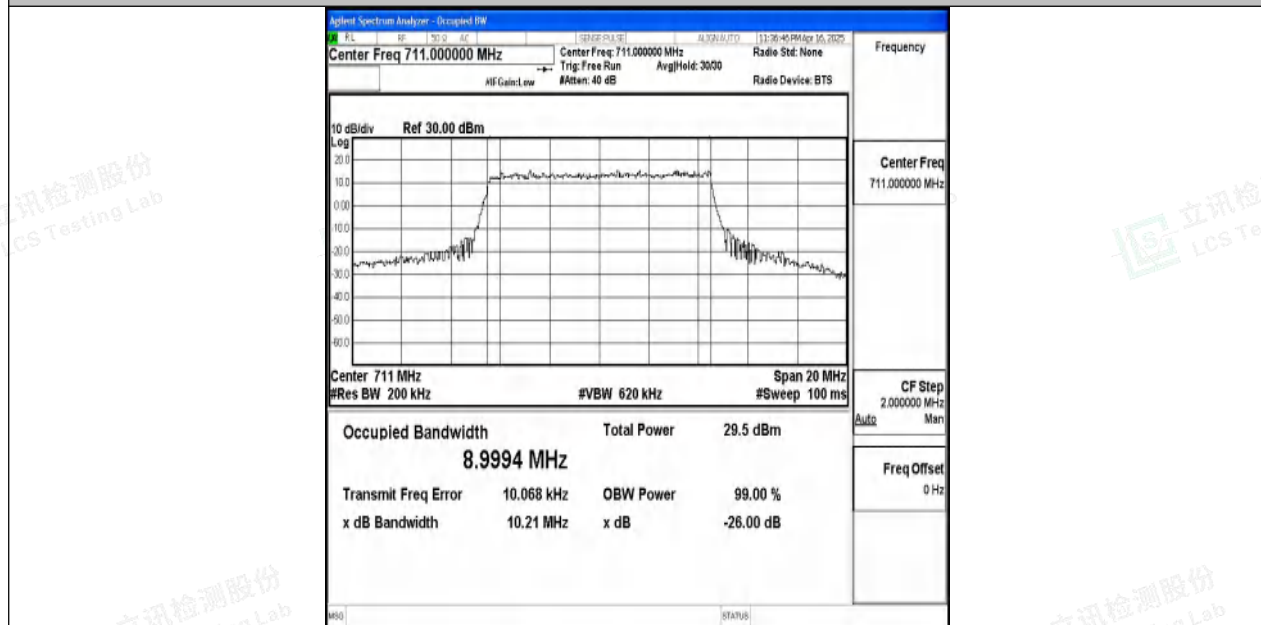


Band12-10MHz-16QAM-23095-50RB#0-PASS





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



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



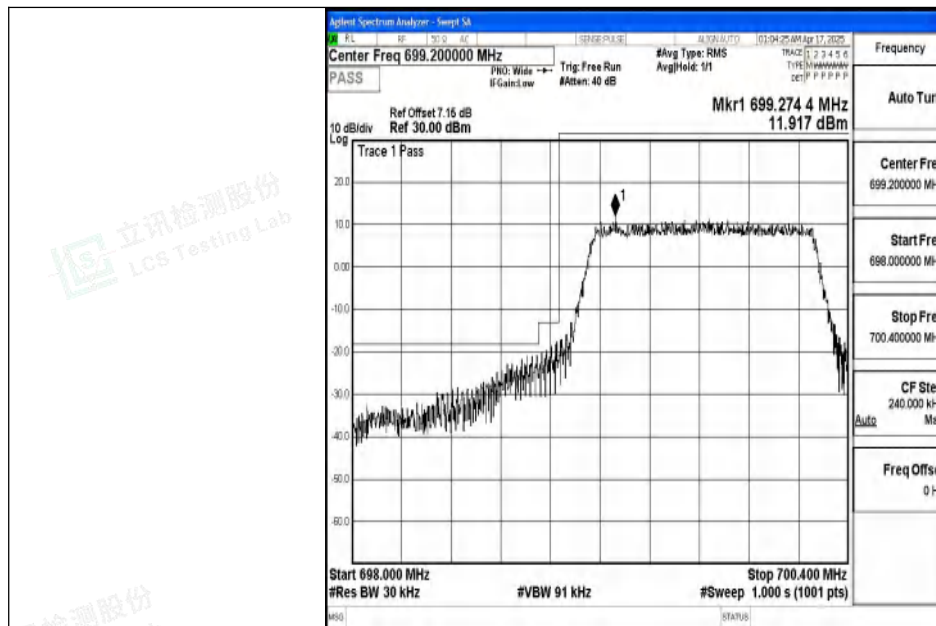


## F.4 Band Edge

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | -20.77      | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | -19.95      | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 6RB#0            | -18.89      | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 6RB#0            | -20.63      | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 25RB#0           | -20.54      | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 25RB#0           | -20.63      | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 25RB#0           | -19.50      | PASS    |
| Band12 | 5MHz      | 16QAM      | 23155   | 25RB#0           | -19.06      | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0           | -28.49      | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 15RB#0           | -21.65      | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 15RB#0           | -22.04      | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 15RB#0           | -19.75      | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 15RB#0           | -22.37      | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 50RB#0           | -29.67      | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0           | -27.94      | PASS    |
| Band12 | 10MHz     | 16QAM      | 23130   | 50RB#0           | -26.53      | PASS    |

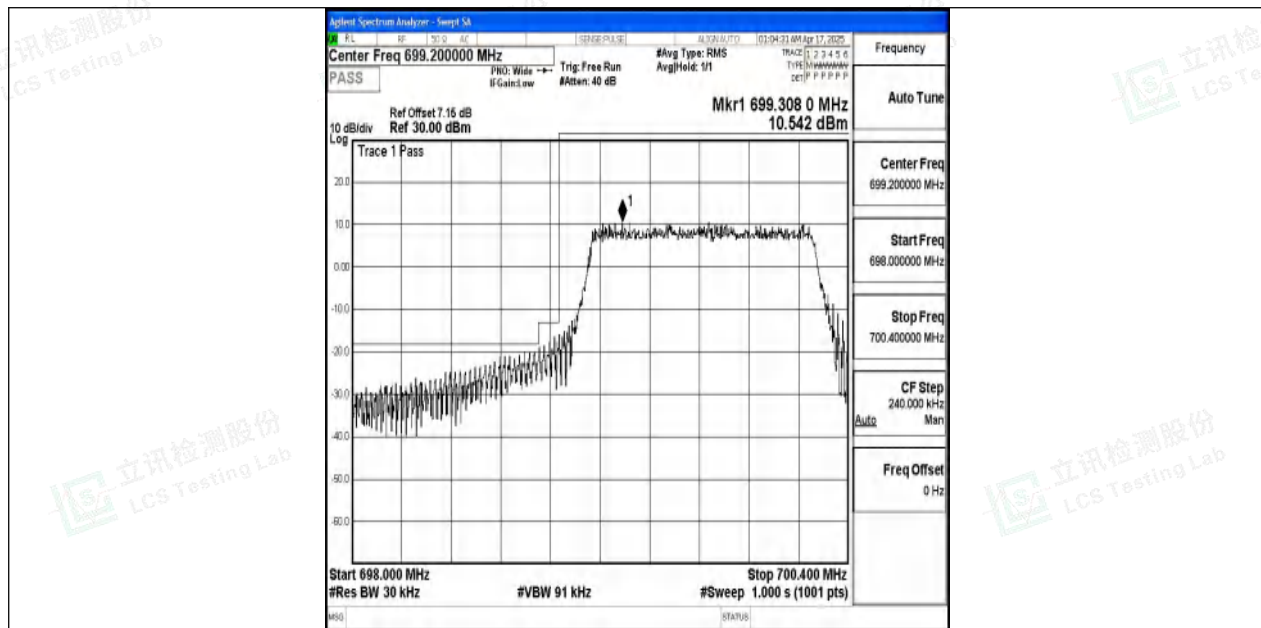
### Test Graphs



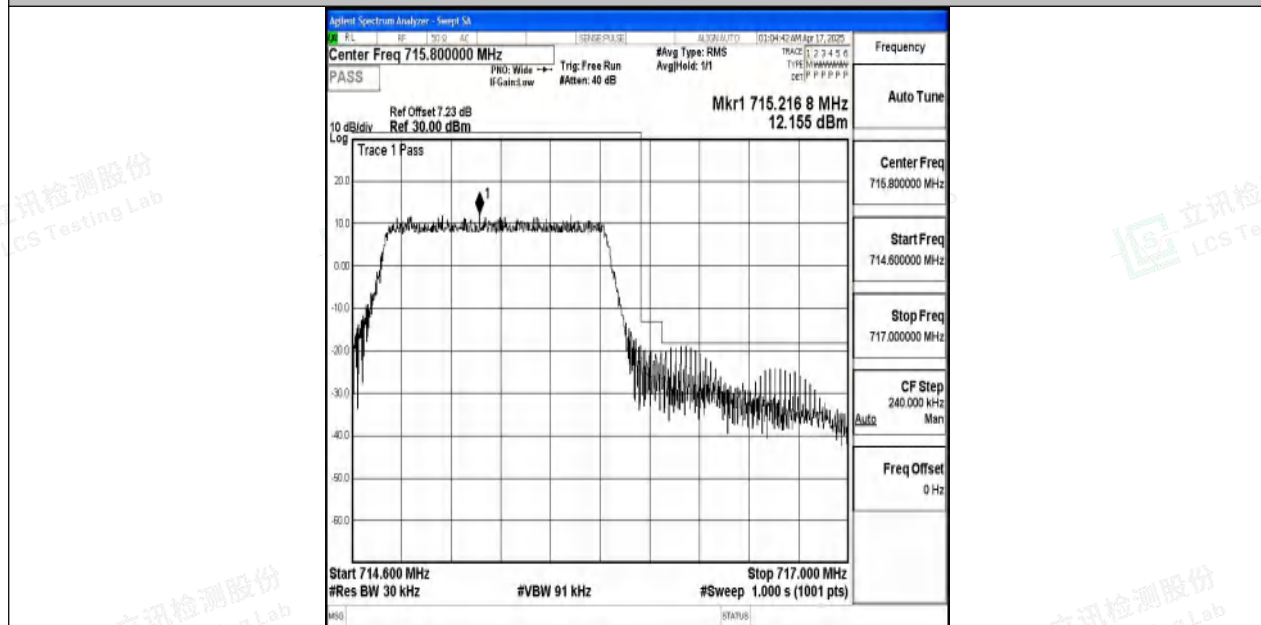
Band12\_1.4MHz\_QPSK\_23017\_6RB#0



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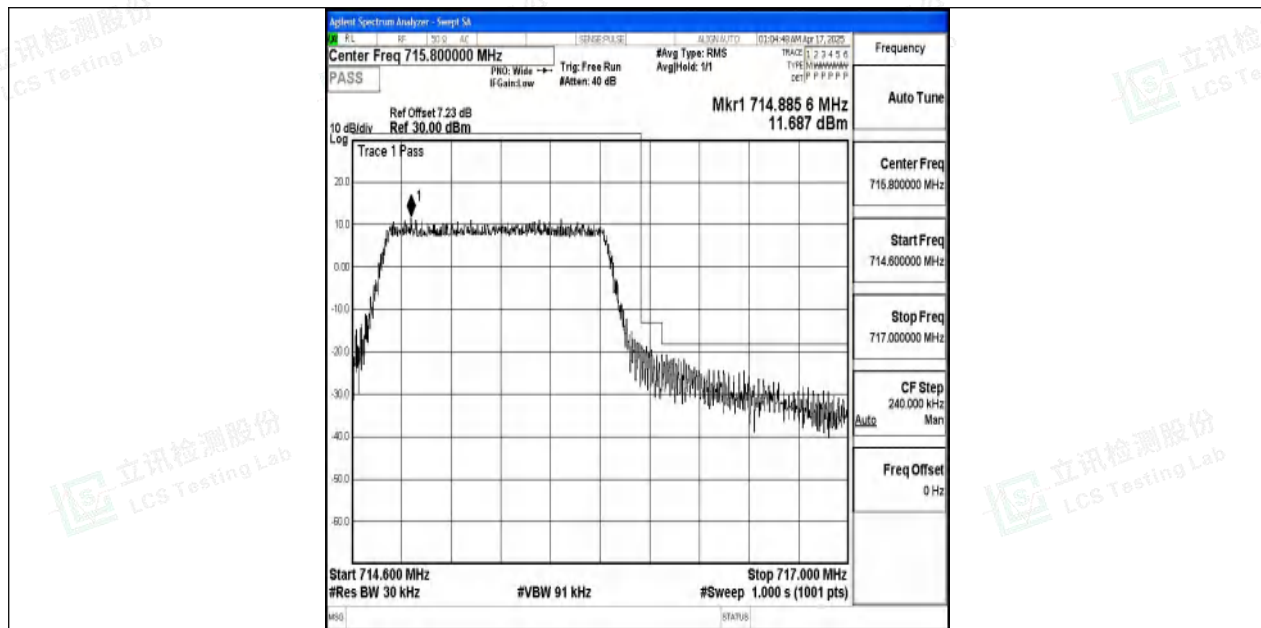


Band12\_1.4MHz\_16QAM\_23017\_6RB#0

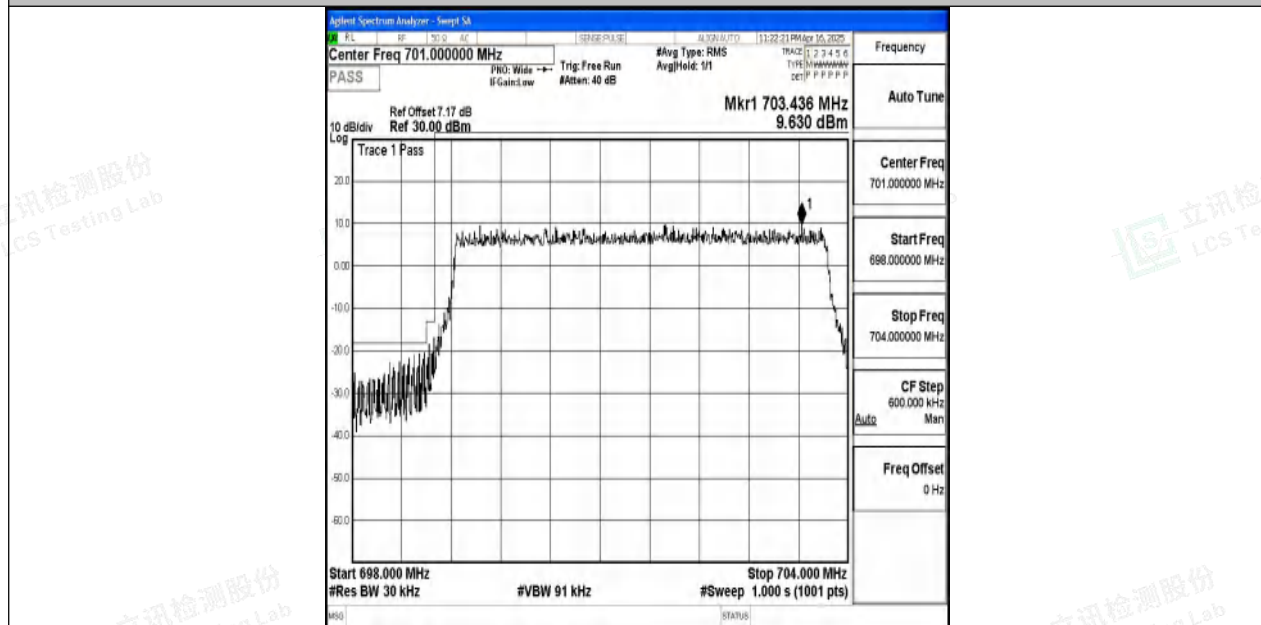


Band12\_1.4MHz\_QPSK\_23173\_6RB#0



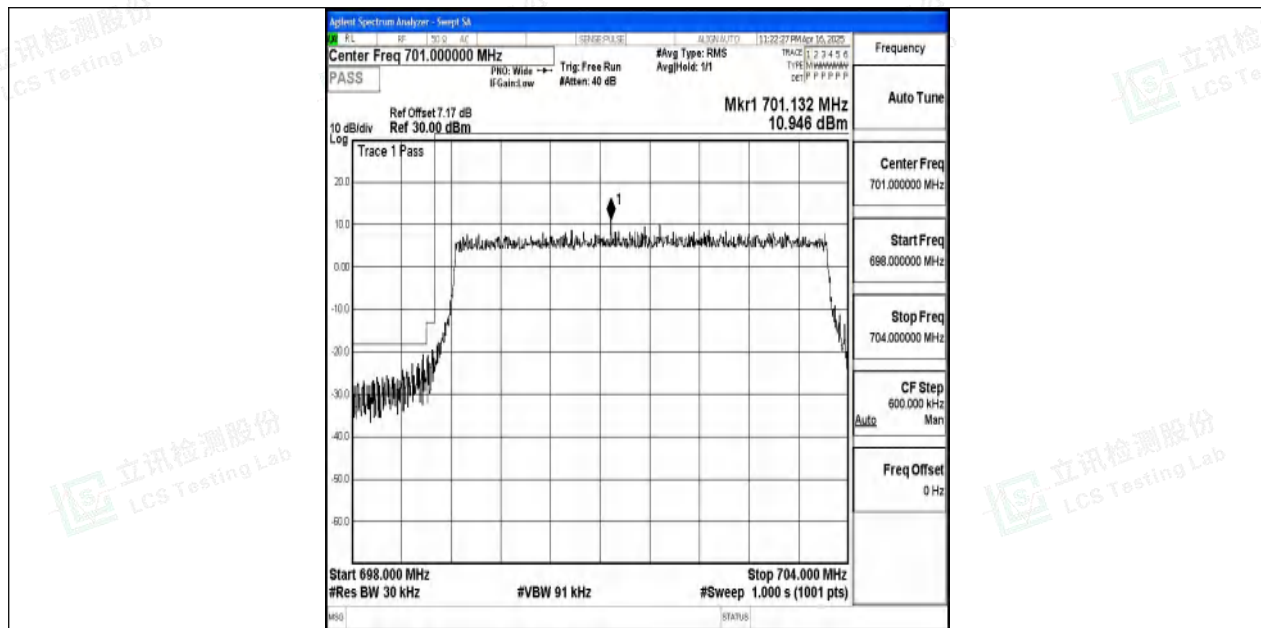


Band12\_1.4MHz\_16QAM\_23173\_6RB#0

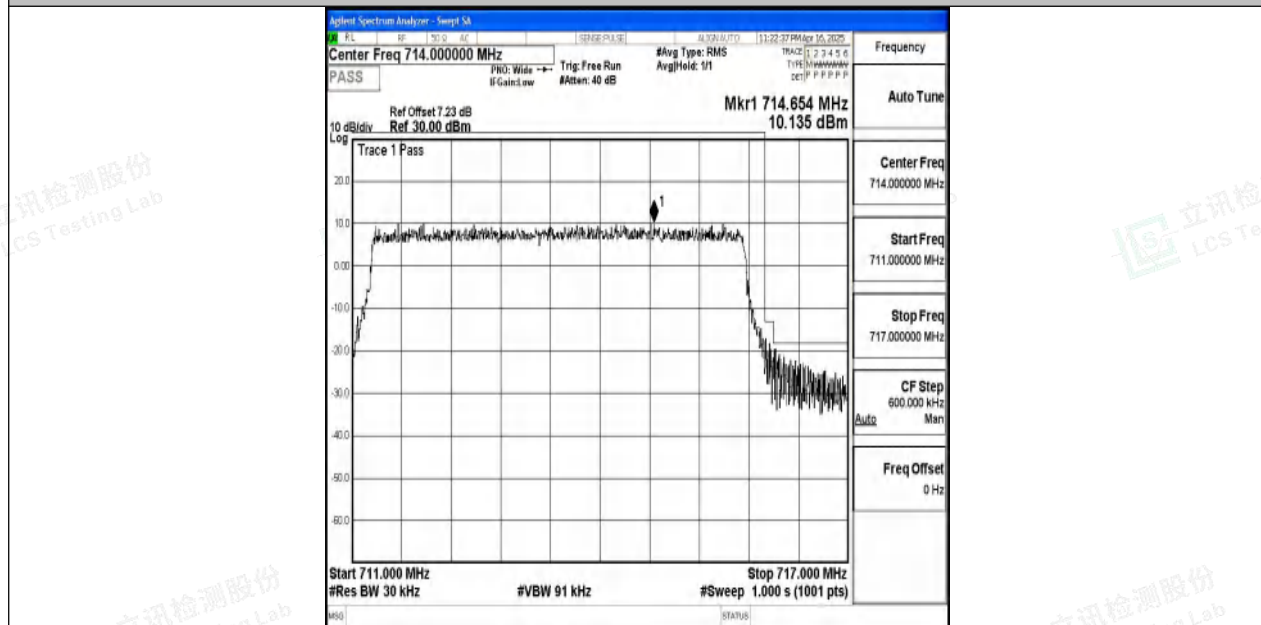


Band12\_5MHz\_QPSK\_23035\_25RB#0



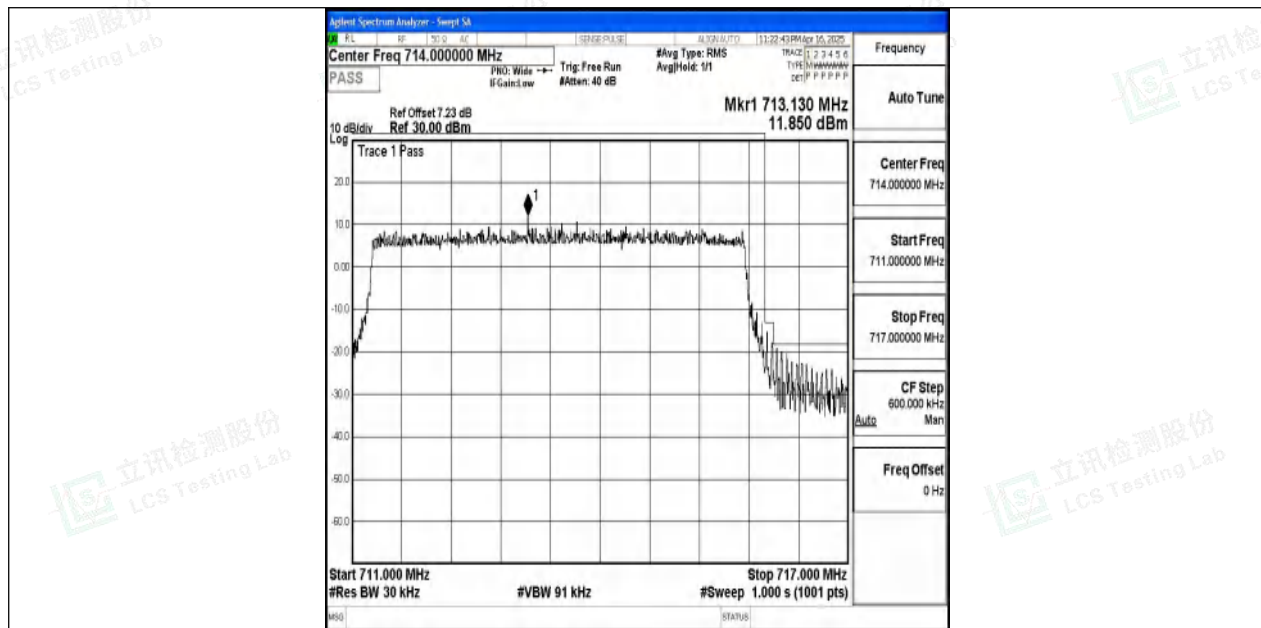


Band12\_5MHz\_16QAM\_23035\_25RB#0

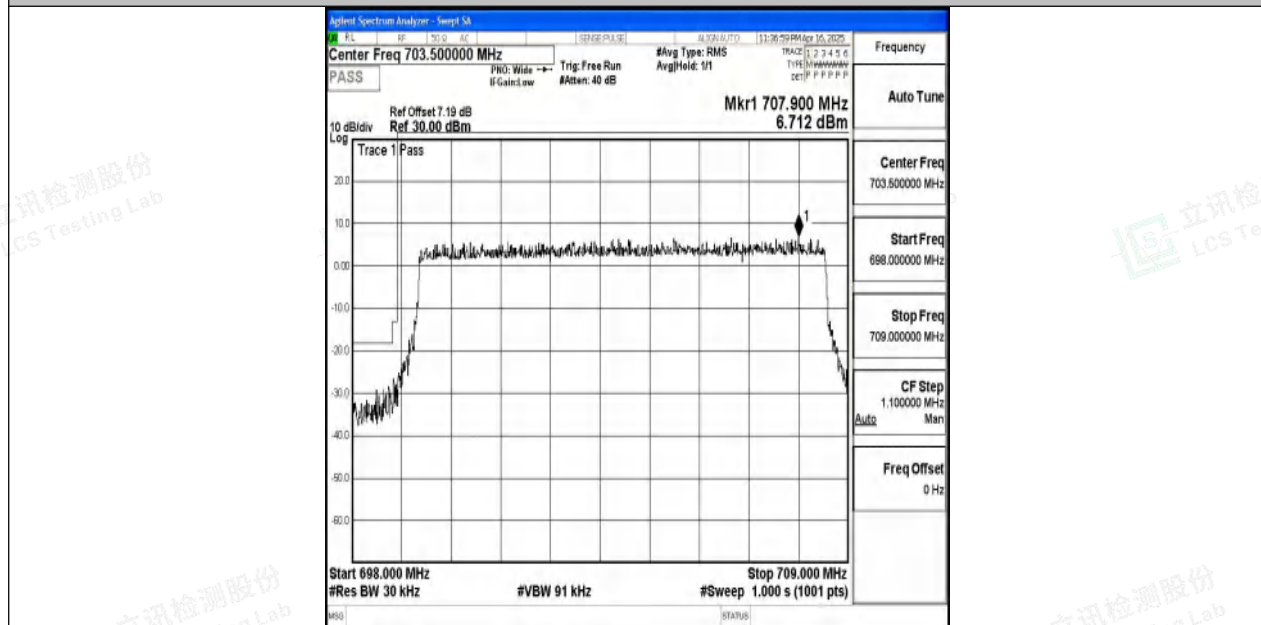


Band12\_5MHz\_QPSK\_23155\_25RB#0



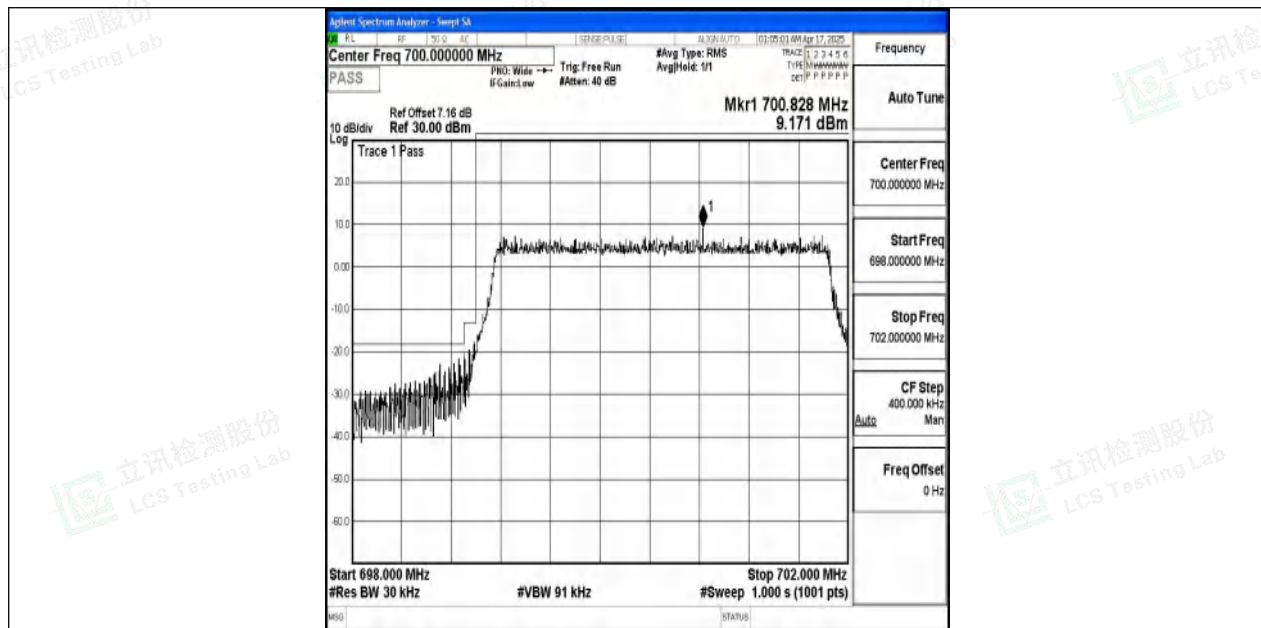


Band12\_5MHz\_16QAM\_23155\_25RB#0

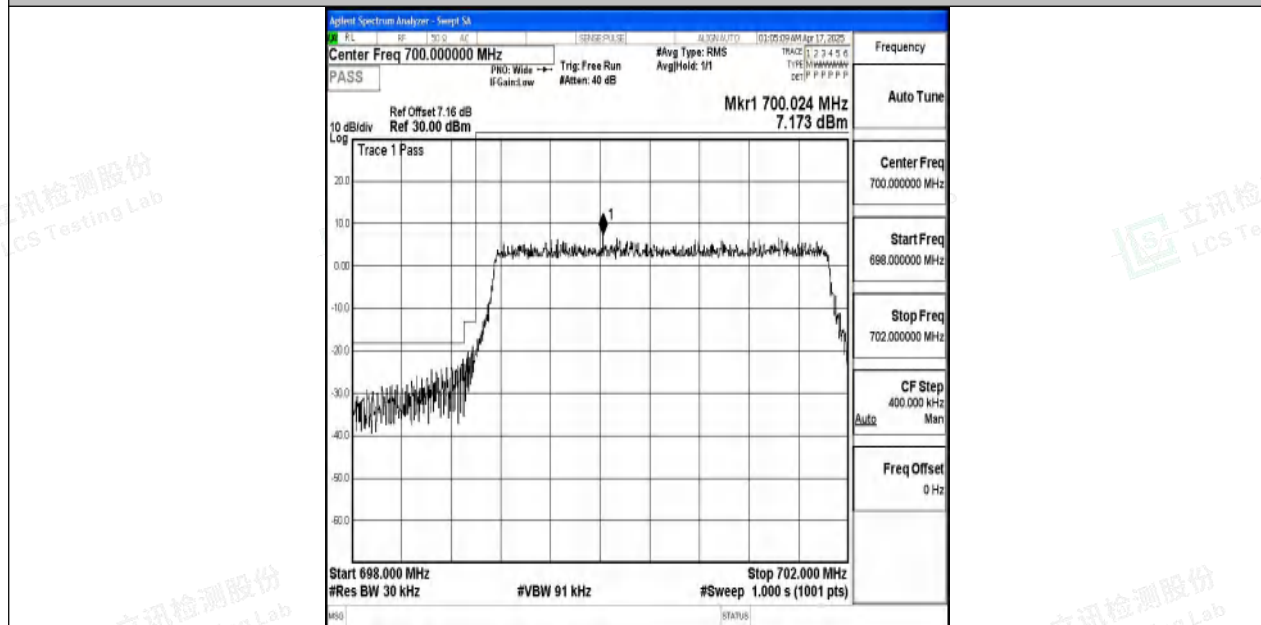


Band12\_10MHz\_QPSK\_23060\_50RB#0



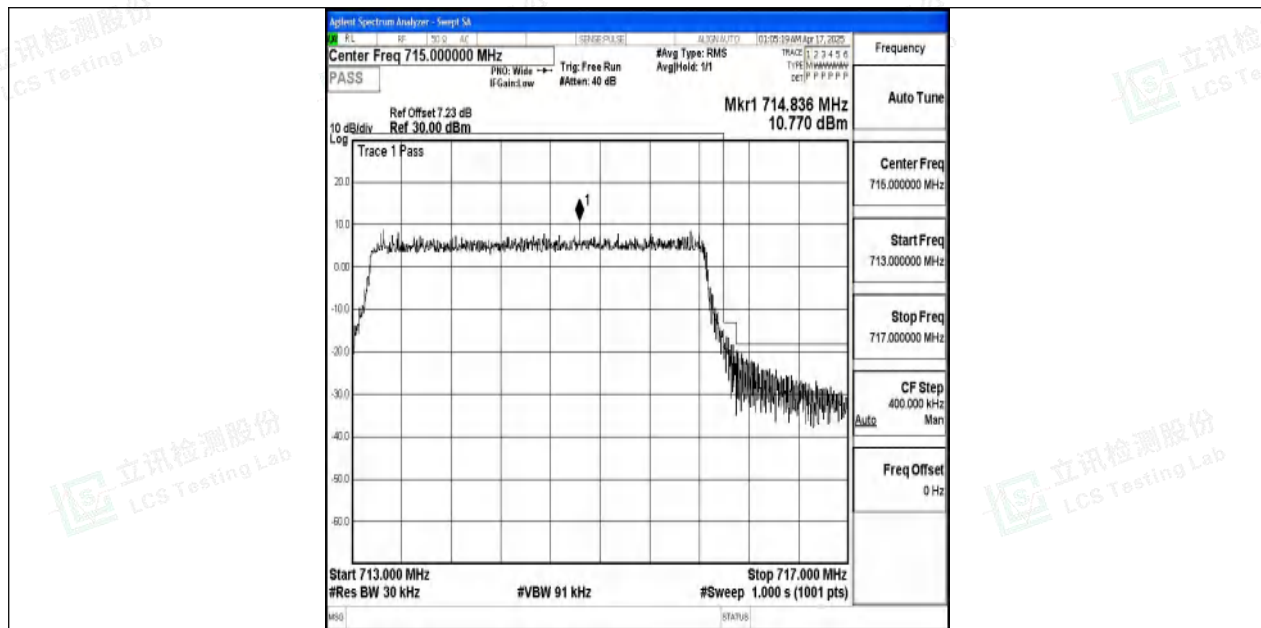


Band12\_3MHz\_QPSK\_23025\_15RB#0

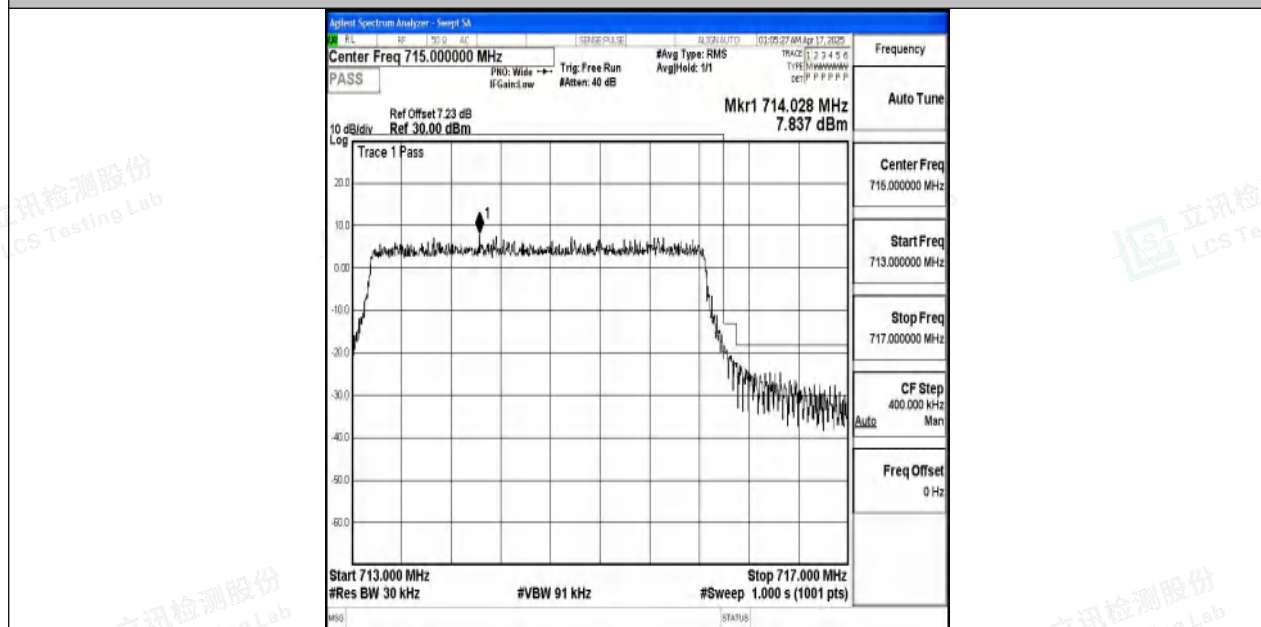


Band12\_3MHz\_16QAM\_23025\_15RB#0



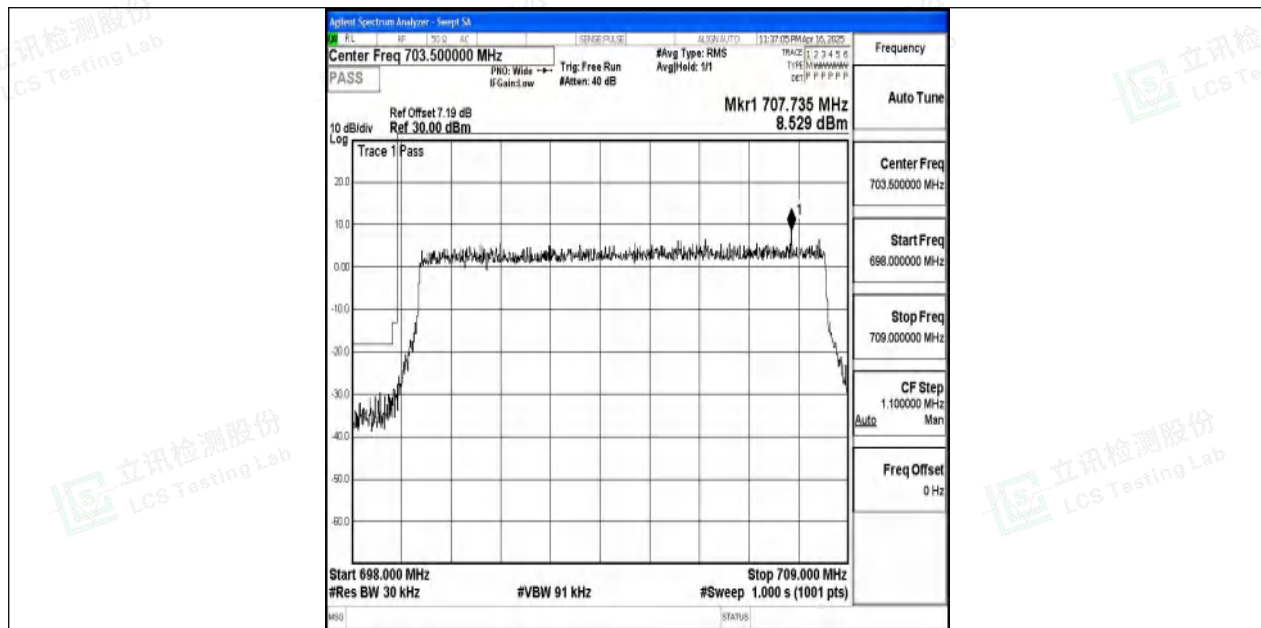


Band12\_3MHz\_QPSK\_23165\_15RB#0

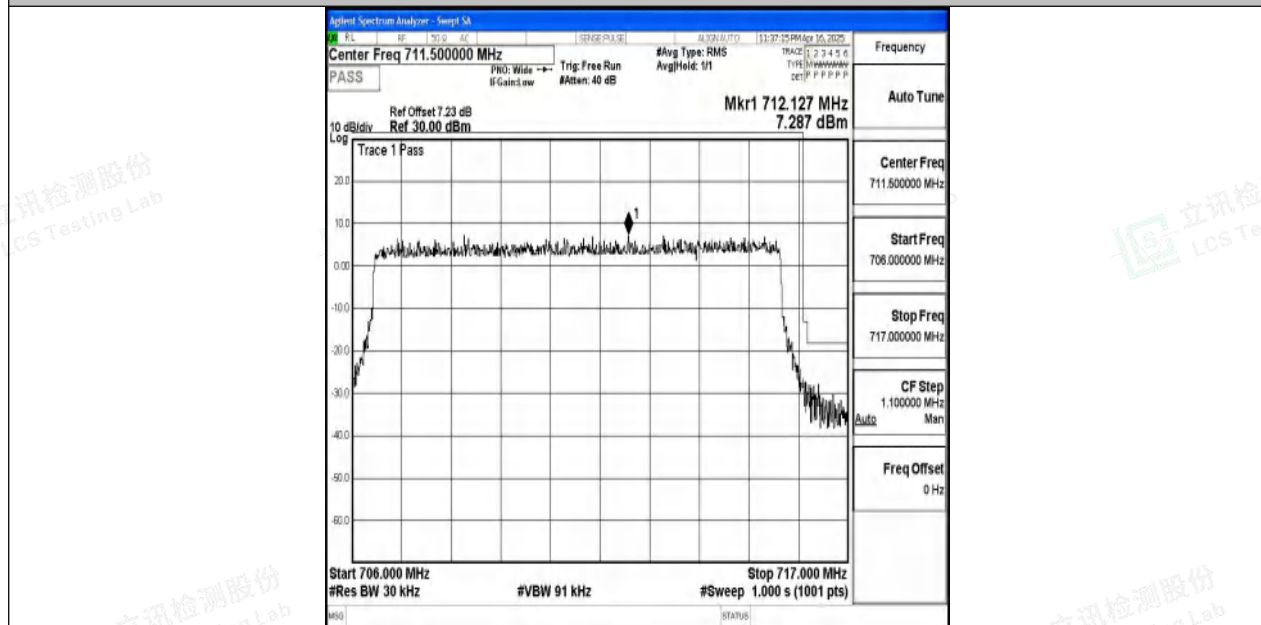


Band12\_3MHz\_16QAM\_23165\_15RB#0



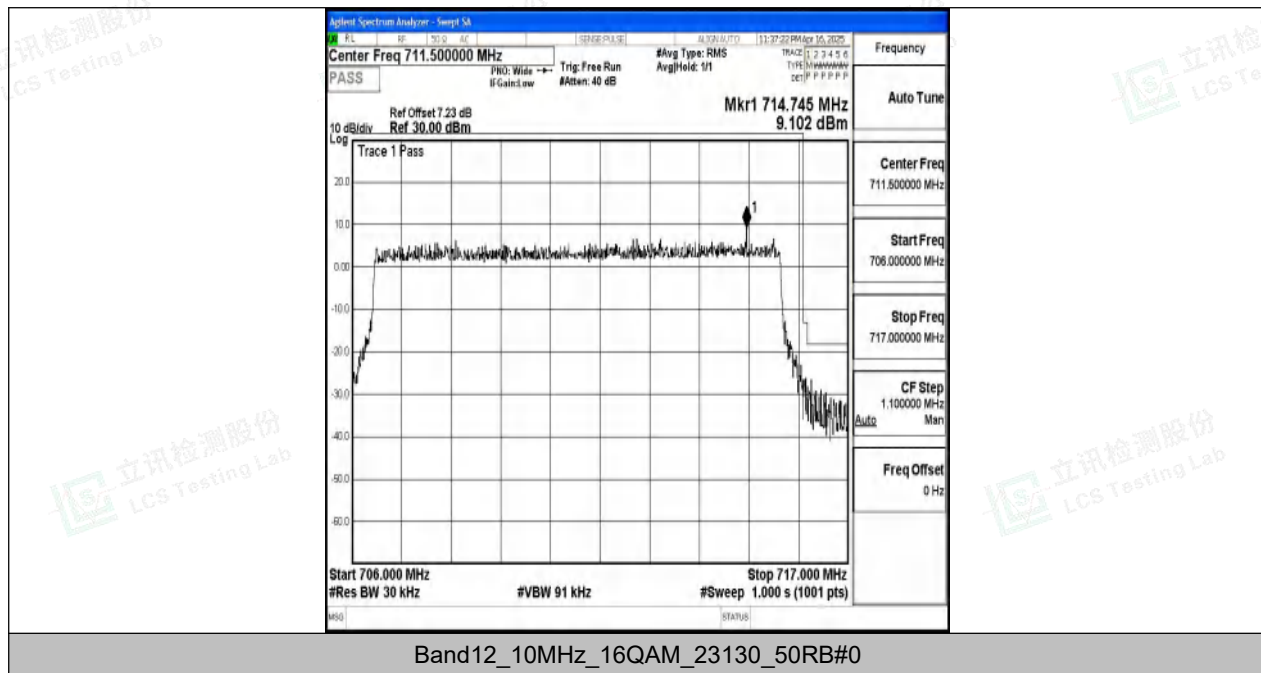


Band12\_10MHz\_16QAM\_23060\_50RB#0



Band12\_10MHz\_QPSK\_23130\_50RB#0





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## F.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      | -58.30       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 0.15~30         | -46.24       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 30~1000         | -33.42       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 1000~3000       | -39.05       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 3000~10000      | -35.64       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 0.009~0.15      | -56.29       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 0.15~30         | -46.83       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 30~1000         | -30.26       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 1000~3000       | -39.02       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | 3000~10000      | -34.20       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 0.009~0.15      | -54.94       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 0.15~30         | -46.80       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 30~1000         | -31.66       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 1000~3000       | -38.66       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 3000~10000      | -35.39       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 0.009~0.15      | -55.29       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 0.15~30         | -45.82       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 30~1000         | -34.67       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 1000~3000       | -39.25       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0            | 3000~10000      | -35.24       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 0.009~0.15      | -58.65       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 0.15~30         | -45.95       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 30~1000         | -31.84       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 1000~3000       | -38.49       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 3000~10000      | -35.59       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 0.009~0.15      | -59.23       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 0.15~30         | -47.62       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 30~1000         | -34.00       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 1000~3000       | -39.20       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#0            | 3000~10000      | -34.21       | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 0.009~0.15      | -57.44       | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 0.15~30         | -47.96       | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 30~1000         | -36.76       | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | 1000~3000       | -38.95       | PASS    |



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|        |      |       |       |       |            |        |      |
|--------|------|-------|-------|-------|------------|--------|------|
| Band12 | 3MHz | QPSK  | 23025 | 1RB#0 | 3000~10000 | -35.45 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 0.009~0.15 | -59.64 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 0.15~30    | -46.50 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 30~1000    | -38.64 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 1000~3000  | -38.47 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 3000~10000 | -35.12 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 1RB#0 | 0.009~0.15 | -60.30 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 1RB#0 | 0.15~30    | -46.49 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 1RB#0 | 30~1000    | -38.15 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 1RB#0 | 1000~3000  | -39.26 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 1RB#0 | 3000~10000 | -34.63 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 0.009~0.15 | -53.70 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 0.15~30    | -45.67 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 30~1000    | -36.20 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 1000~3000  | -39.31 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 3000~10000 | -35.11 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 0.009~0.15 | -57.22 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 0.15~30    | -43.86 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 30~1000    | -38.50 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 1000~3000  | -39.25 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0 | 3000~10000 | -35.36 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 0.009~0.15 | -58.13 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 0.15~30    | -47.70 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 30~1000    | -38.87 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 1000~3000  | -39.37 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 3000~10000 | -35.61 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 0.009~0.15 | -58.83 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 0.15~30    | -46.89 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 30~1000    | -48.66 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 1000~3000  | -38.98 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0 | 3000~10000 | -35.25 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 0.009~0.15 | -59.49 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 0.15~30    | -47.87 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 30~1000    | -49.72 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 1000~3000  | -38.94 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 3000~10000 | -35.69 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0 | 0.009~0.15 | -58.18 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0 | 0.15~30    | -46.23 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0 | 30~1000    | -51.92 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0 | 1000~3000  | -38.55 | PASS |



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Baoan District, Shenzhen, 518000, China

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|        |       |       |       |       |            |        |      |
|--------|-------|-------|-------|-------|------------|--------|------|
| Band12 | 5MHz  | QPSK  | 23095 | 1RB#0 | 3000~10000 | -35.22 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 1RB#0 | 0.009~0.15 | -56.84 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 1RB#0 | 0.15~30    | -46.30 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 1RB#0 | 30~1000    | -53.37 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 1RB#0 | 1000~3000  | -39.12 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 1RB#0 | 3000~10000 | -34.97 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 1RB#0 | 0.009~0.15 | -57.77 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 1RB#0 | 0.15~30    | -48.69 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 1RB#0 | 30~1000    | -49.11 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 1RB#0 | 1000~3000  | -39.41 | PASS |
| Band12 | 5MHz  | QPSK  | 23155 | 1RB#0 | 3000~10000 | -35.42 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0 | 0.009~0.15 | -58.38 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0 | 0.15~30    | -46.17 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0 | 30~1000    | -52.89 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0 | 1000~3000  | -39.10 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0 | 3000~10000 | -35.32 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0 | 0.009~0.15 | -55.50 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0 | 0.15~30    | -45.79 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0 | 30~1000    | -53.25 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0 | 1000~3000  | -39.21 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0 | 3000~10000 | -35.28 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 0.009~0.15 | -53.84 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 0.15~30    | -46.98 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 30~1000    | -52.90 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 1000~3000  | -38.64 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 3000~10000 | -35.12 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0 | 0.009~0.15 | -54.55 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0 | 0.15~30    | -46.68 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0 | 30~1000    | -52.97 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0 | 1000~3000  | -38.96 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0 | 3000~10000 | -35.65 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 0.009~0.15 | -58.36 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 0.15~30    | -43.17 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 30~1000    | -52.74 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 1000~3000  | -38.62 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 3000~10000 | -34.93 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0 | 0.009~0.15 | -56.45 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0 | 0.15~30    | -44.02 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0 | 30~1000    | -52.97 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0 | 1000~3000  | -39.06 | PASS |



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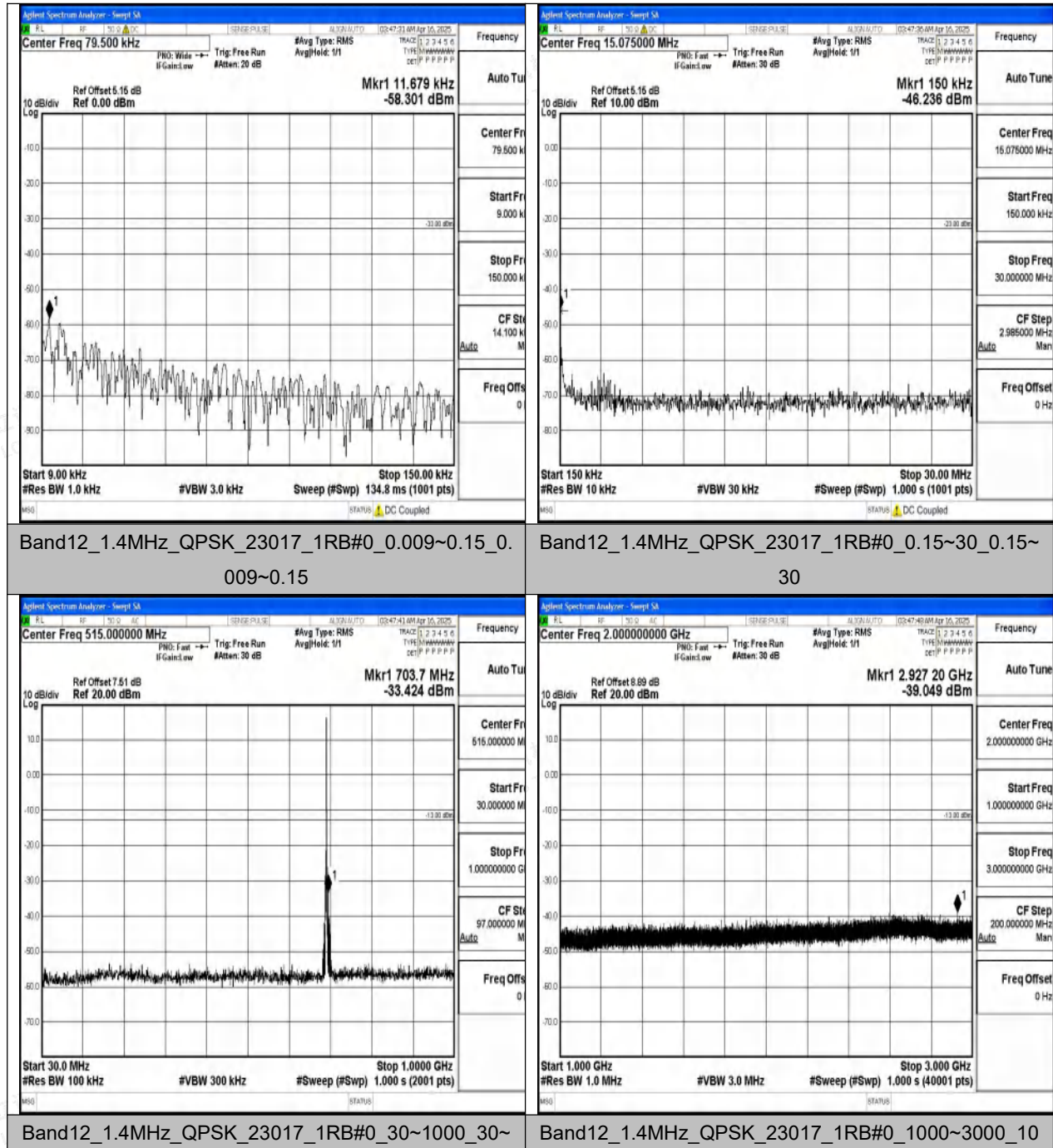
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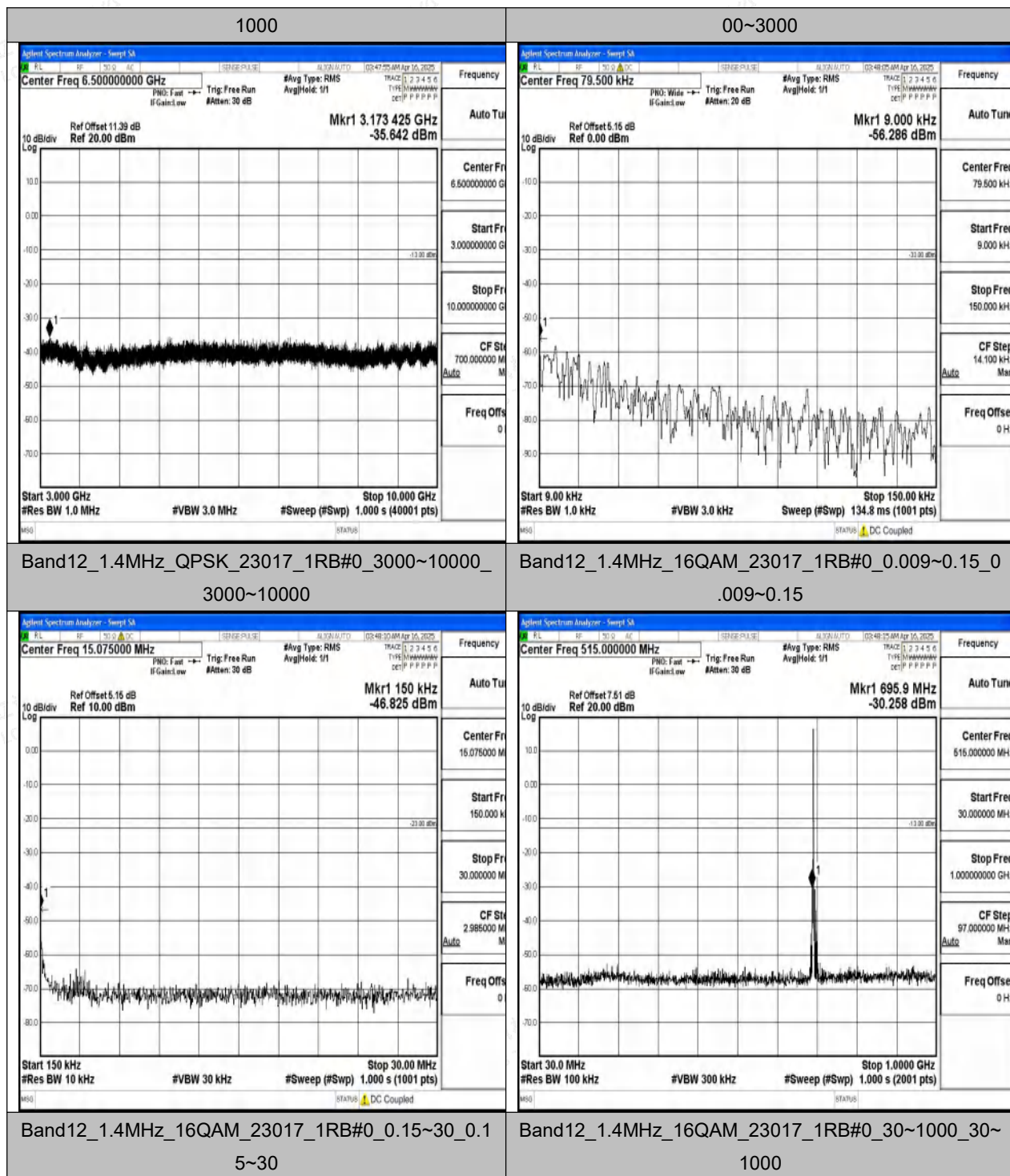


|        |       |       |       |       |            |        |      |
|--------|-------|-------|-------|-------|------------|--------|------|
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0 | 3000~10000 | -35.20 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 0.009~0.15 | -57.67 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 0.15~30    | -45.14 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 30~1000    | -52.35 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 1000~3000  | -38.52 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 3000~10000 | -35.28 | PASS |

## Test Graphs



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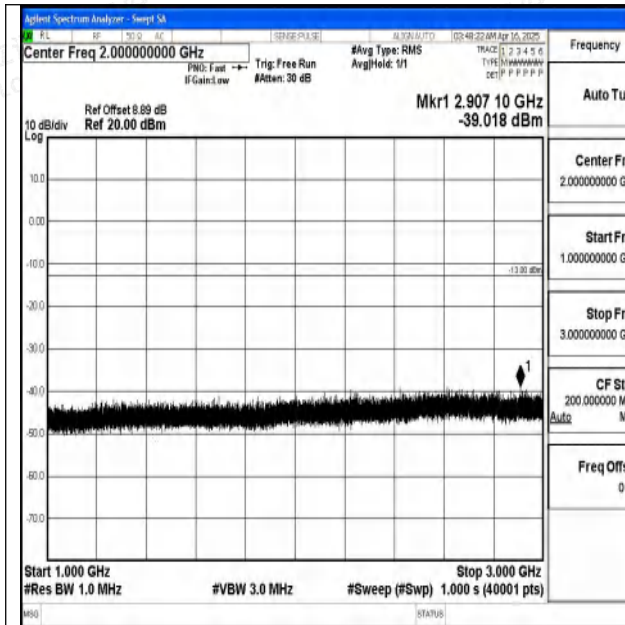


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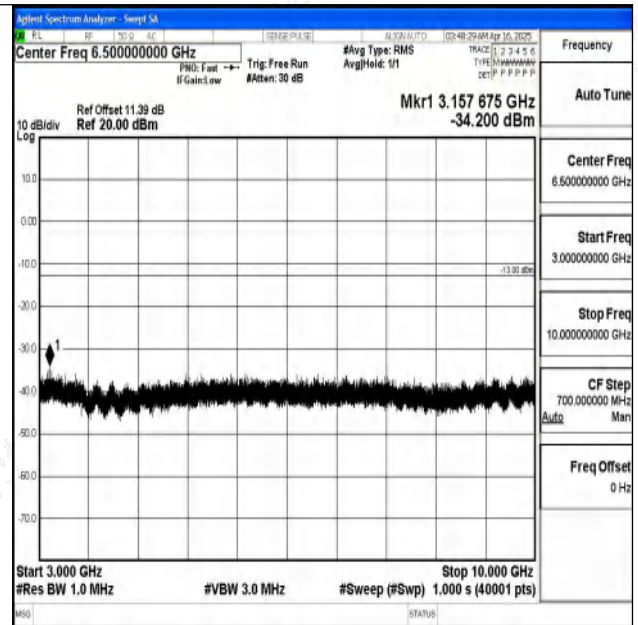
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

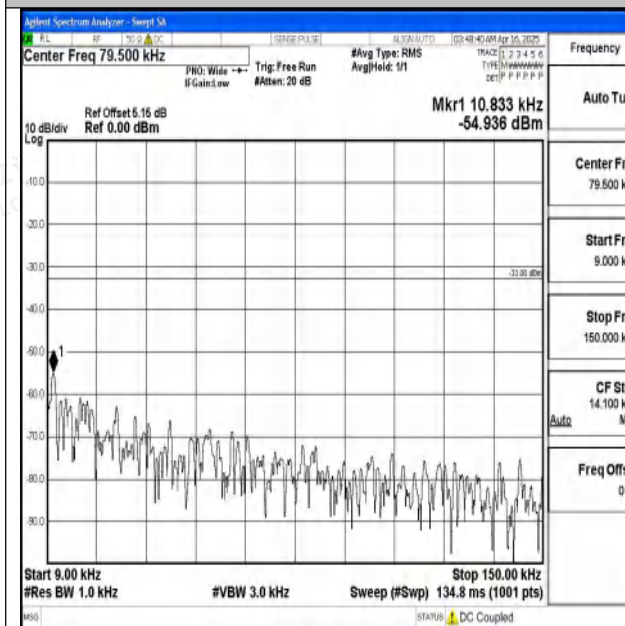
Scan code to check authenticity



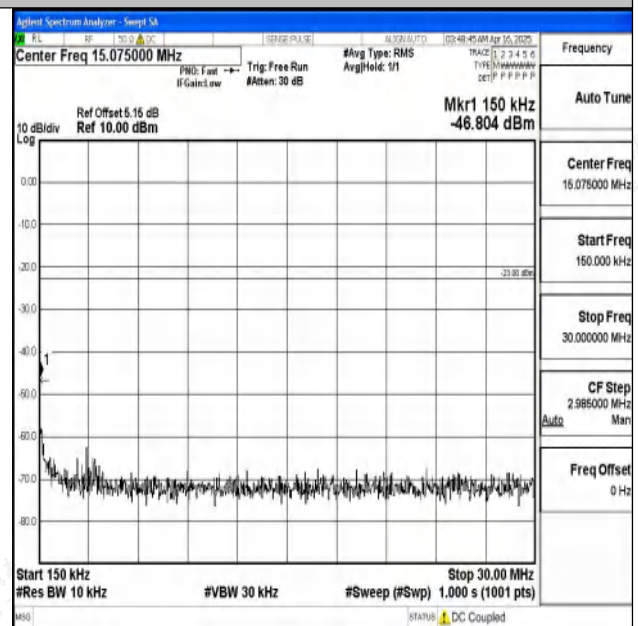
Band12\_1.4MHz\_16QAM\_23017\_1RB#0\_1000~3000\_1000~3000



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

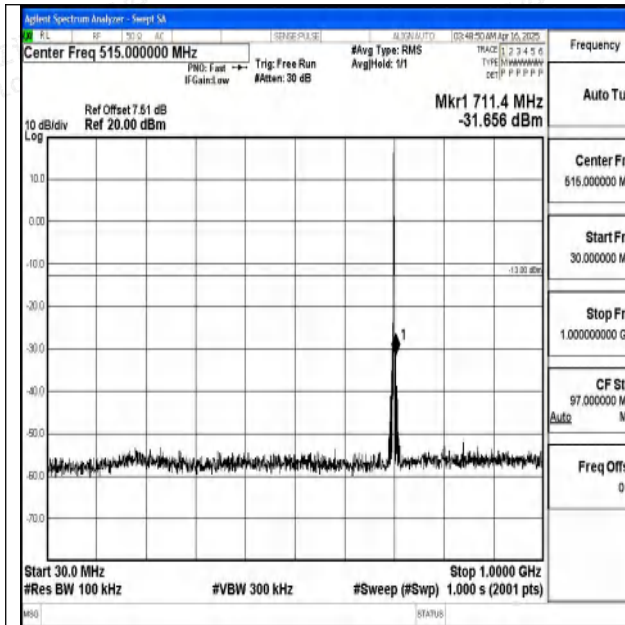


Band12\_1.4MHz\_QPSK\_23095\_1RB#0\_0.009~0.15\_0.009~0.15

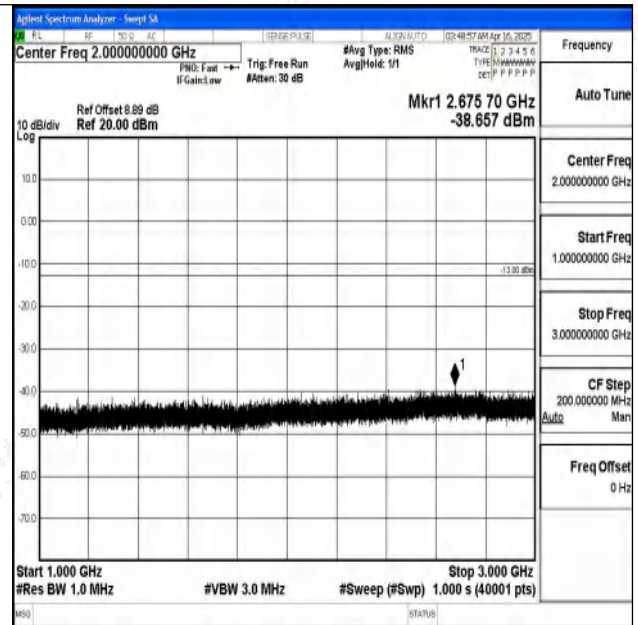


Band12\_1.4MHz\_QPSK\_23095\_1RB#0\_0.15~30\_0.15~30

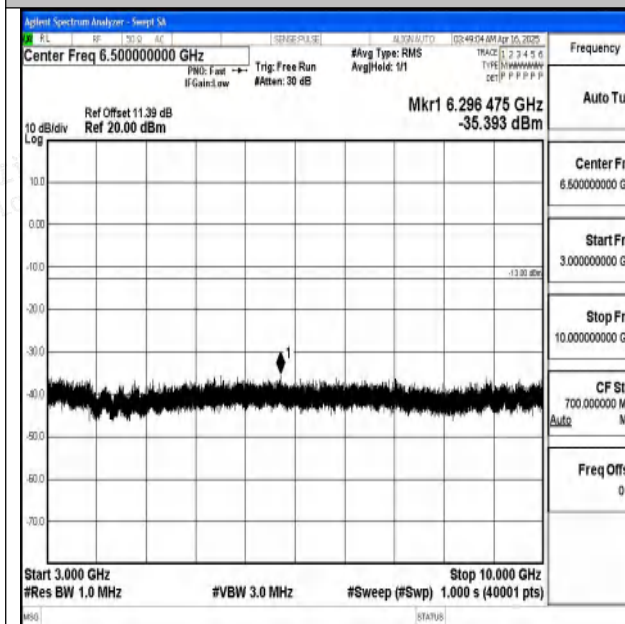




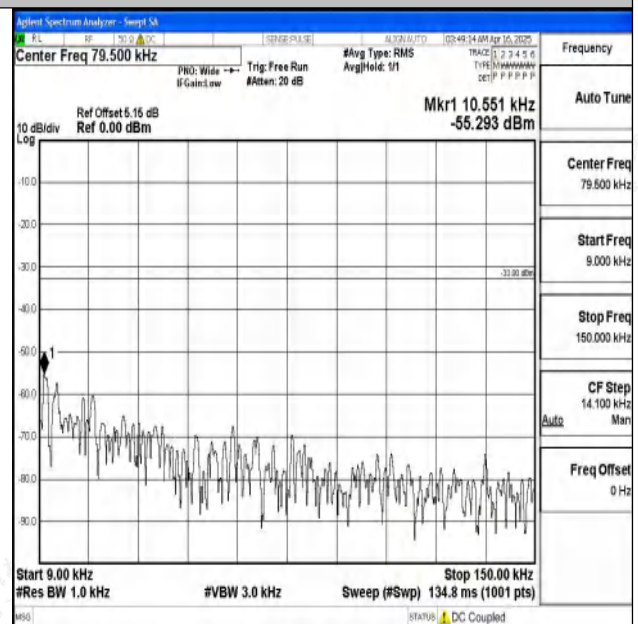
Band12\_1.4MHz\_QPSK\_23095\_1RB#0\_30~1000\_30~1000



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



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

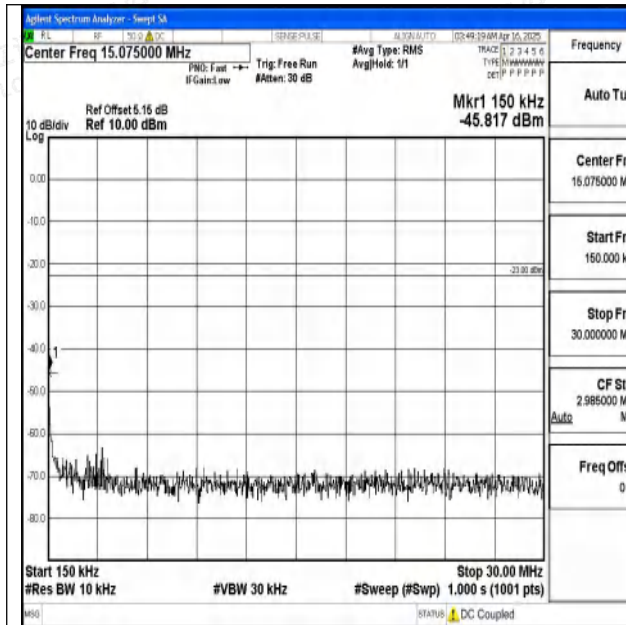


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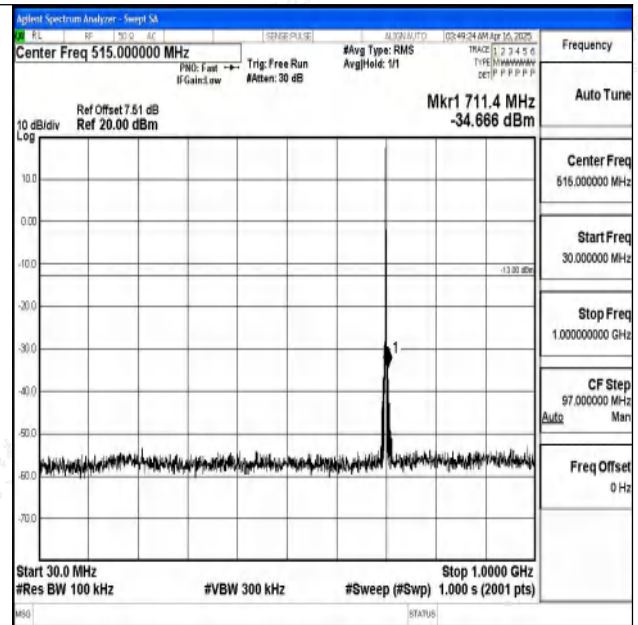
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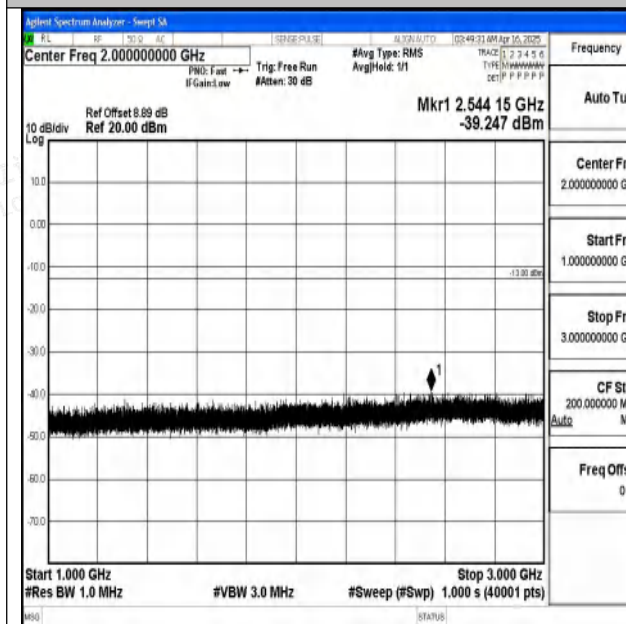
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5~30



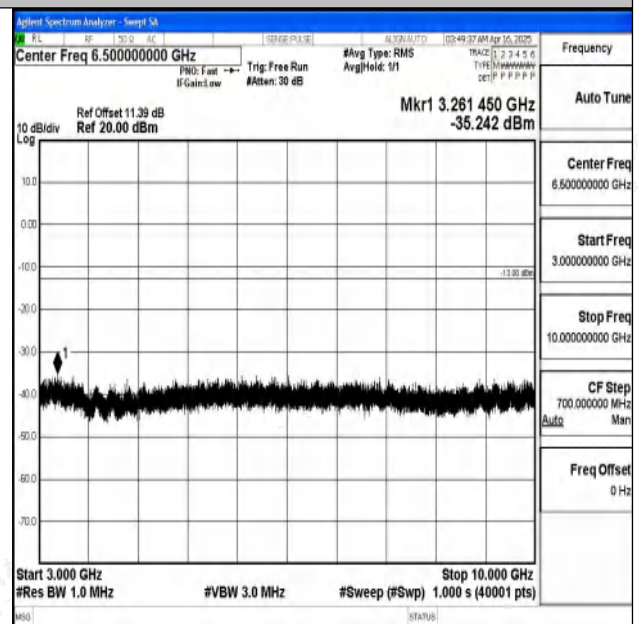
Band12\_1.4MHz\_16QAM\_23095\_1RB#0\_30~1000\_30~

1000



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

1000~3000



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

3000~10000

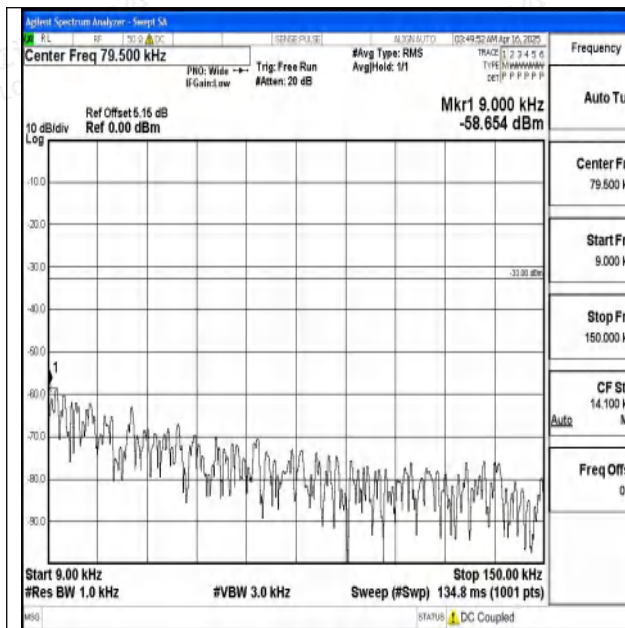


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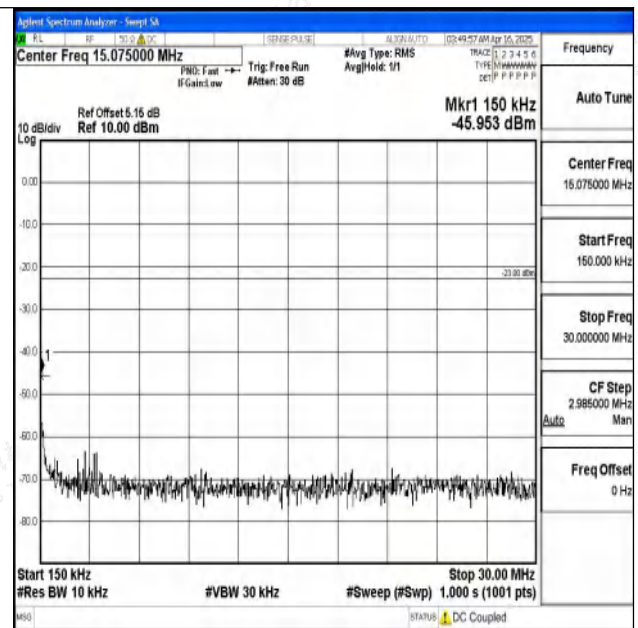
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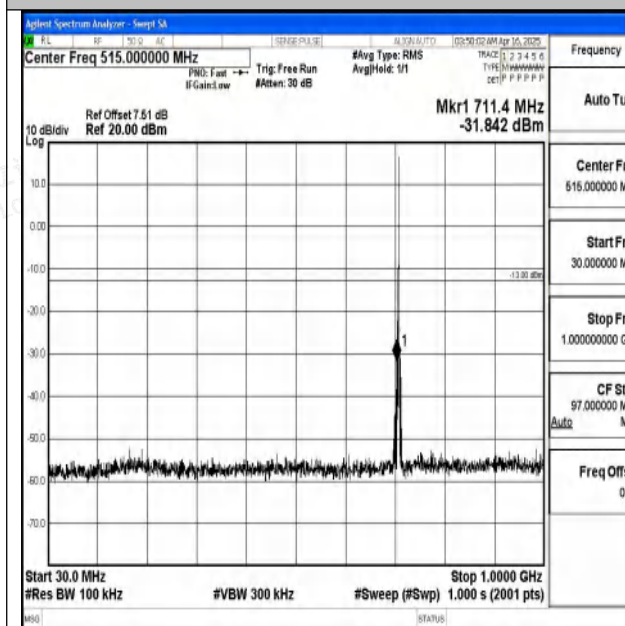
Scan code to check authenticity



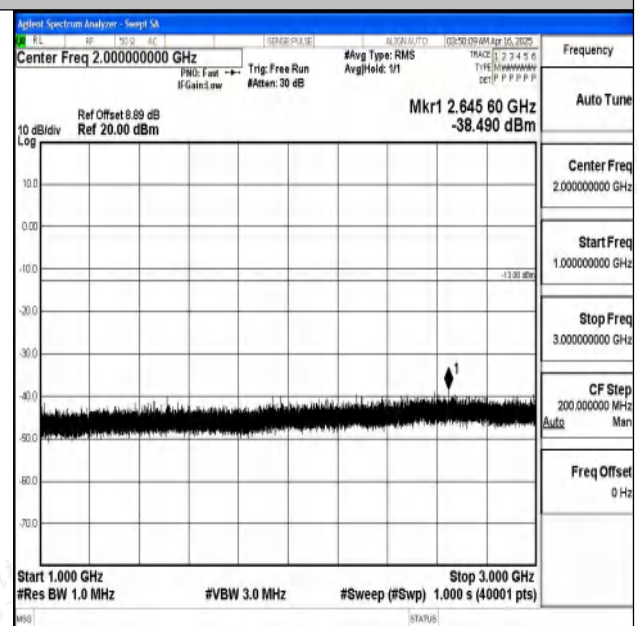
Band12\_1.4MHz\_QPSK\_23173\_1RB#0\_0.009~0.15\_0.  
009~0.15



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



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



Band12\_1.4MHz\_QPSK\_23173\_1RB#0\_1000~3000\_10  
00~3000

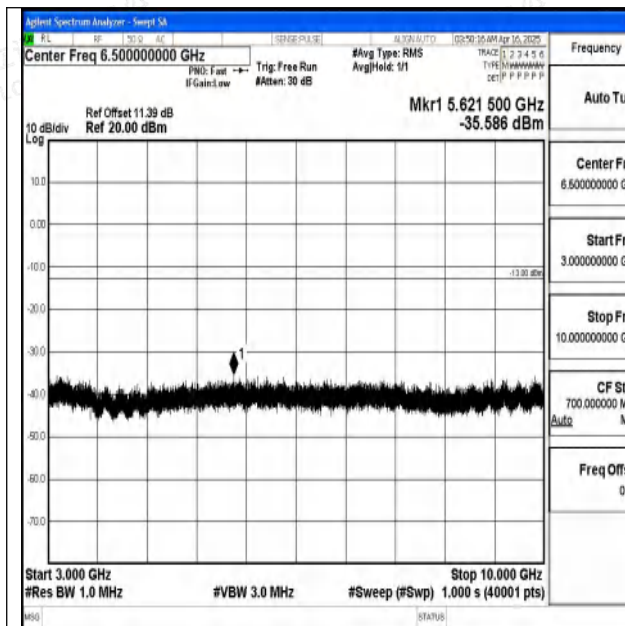


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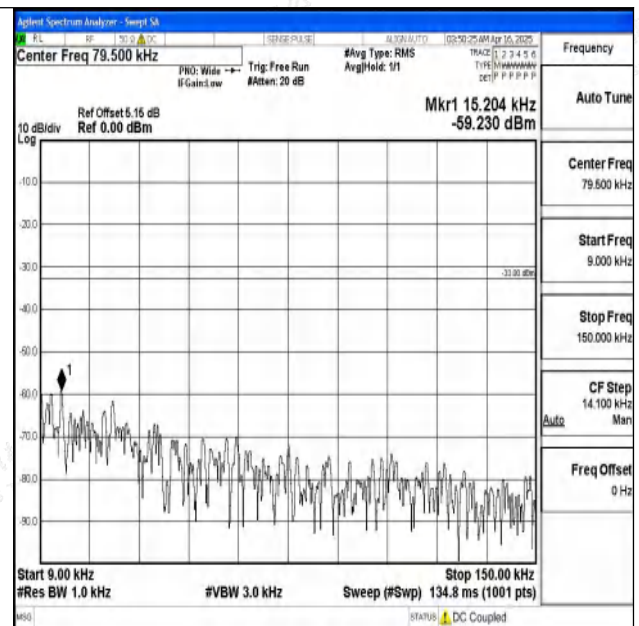
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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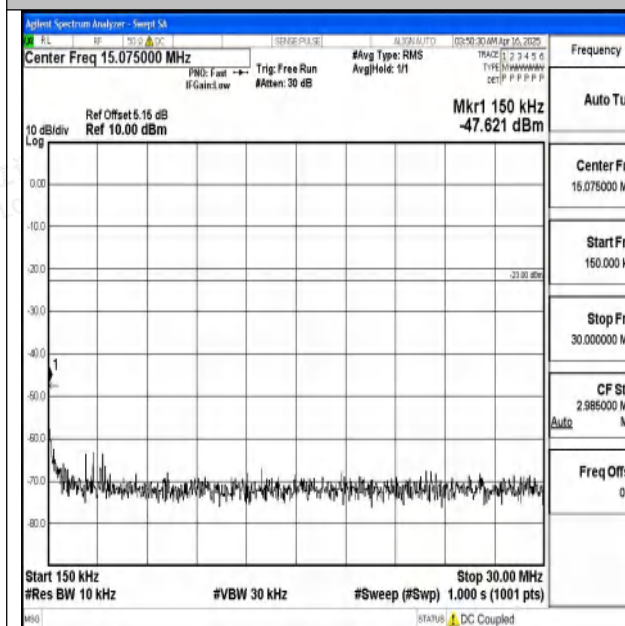
Scan code to check authenticity



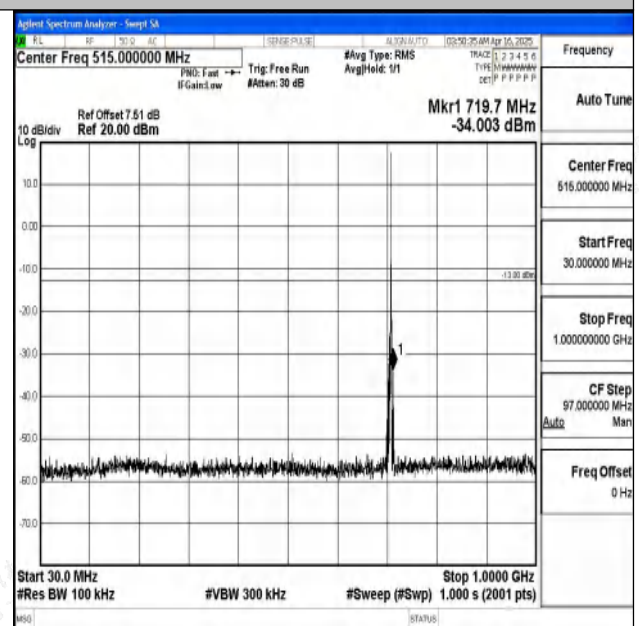
Band12\_1.4MHz\_QPSK\_23173\_1RB#0\_3000~10000\_3000~10000



Band12\_1.4MHz\_16QAM\_23173\_1RB#0\_0.009~0.15\_0.009~0.15

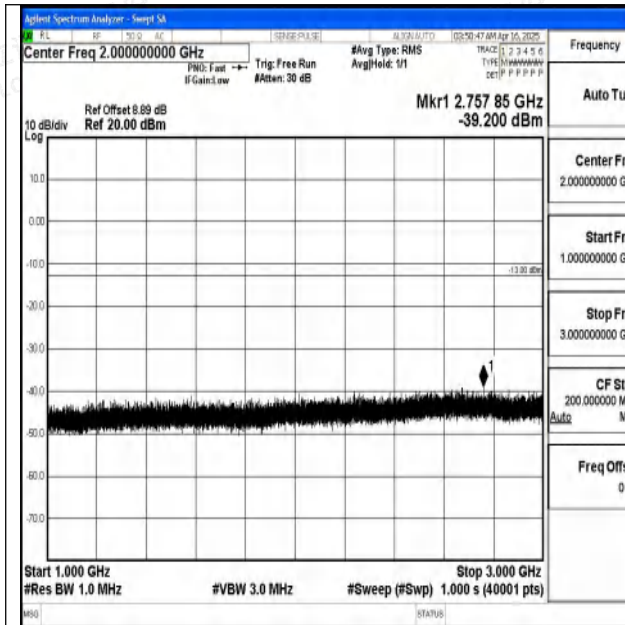


Band12\_1.4MHz\_16QAM\_23173\_1RB#0\_0.15~30\_0.15~30

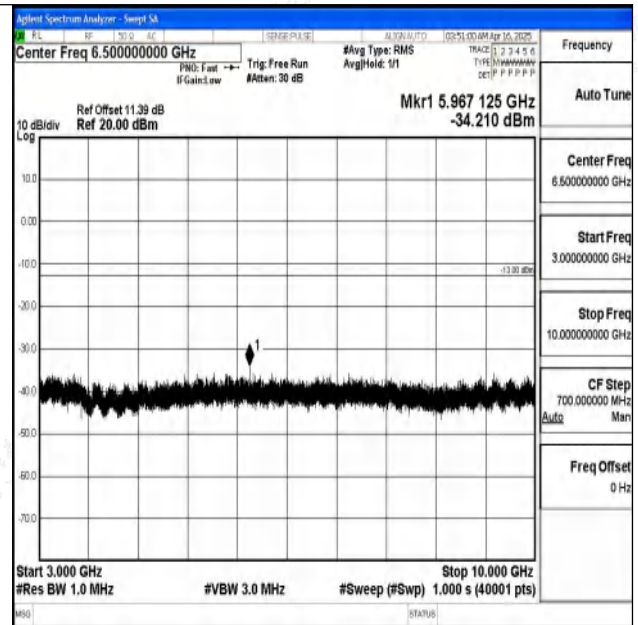


Band12\_1.4MHz\_16QAM\_23173\_1RB#0\_30~1000\_30~1000

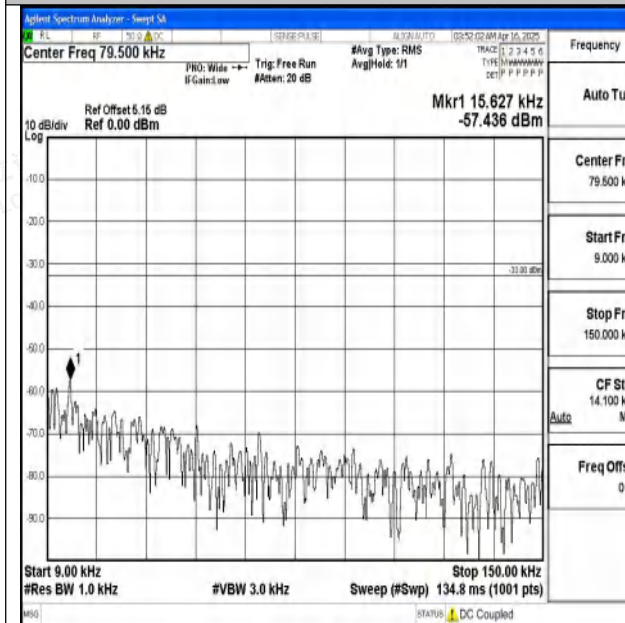




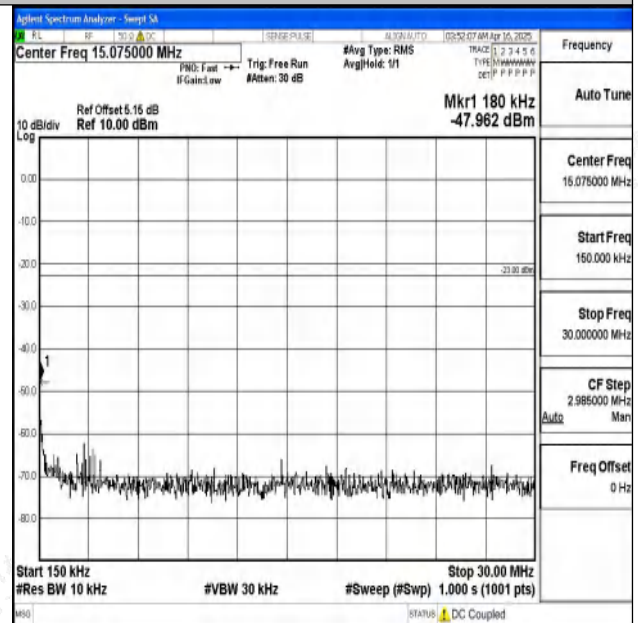
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Band12\_1.4MHz\_16QAM\_23173\_1RB#0\_3000~10000\_3000~10000

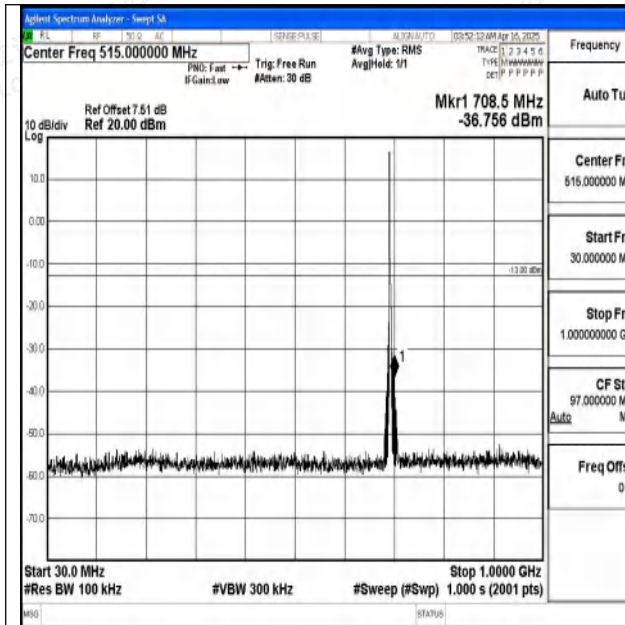


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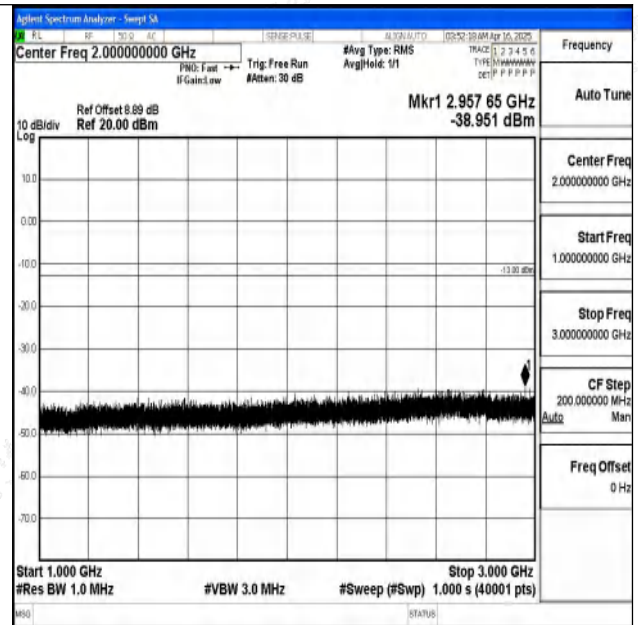


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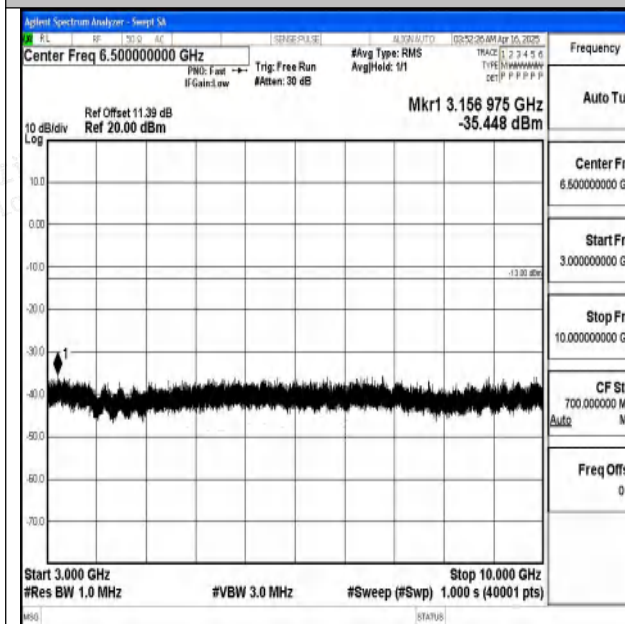




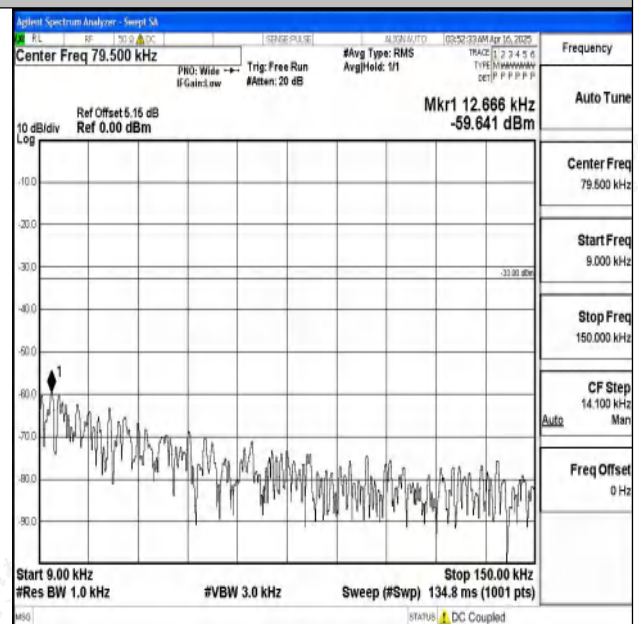
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Band12\_3MHz\_QPSK\_23025\_1RB#0\_1000~3000\_100  
0~3000

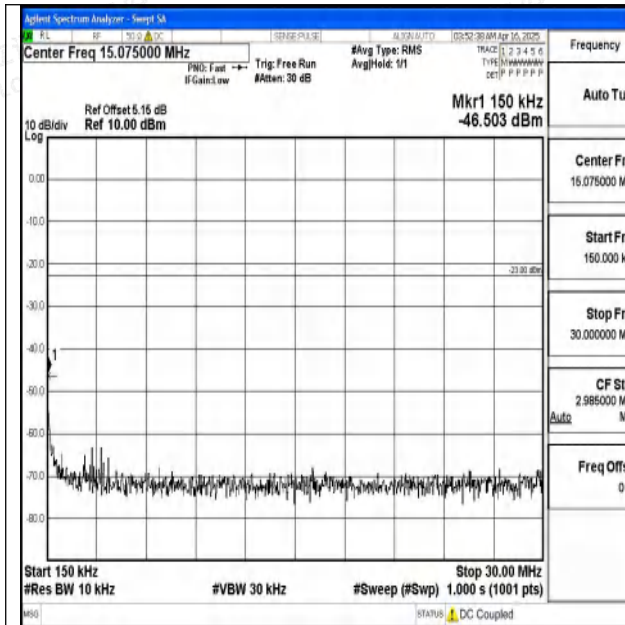


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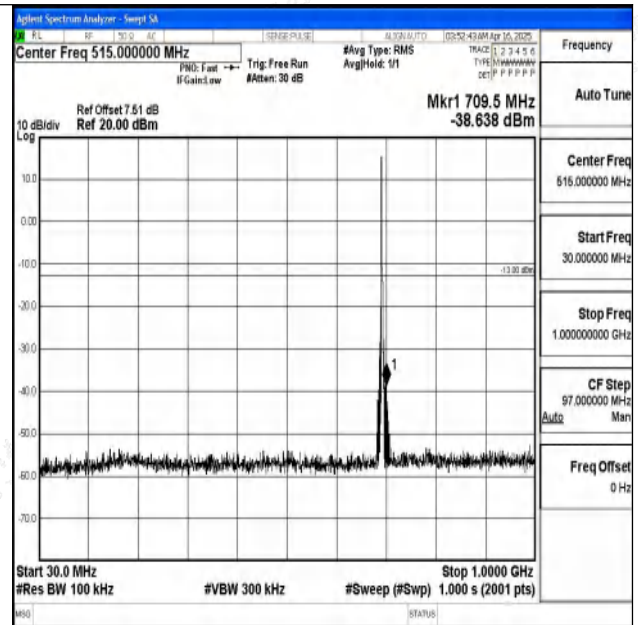


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09~0.15

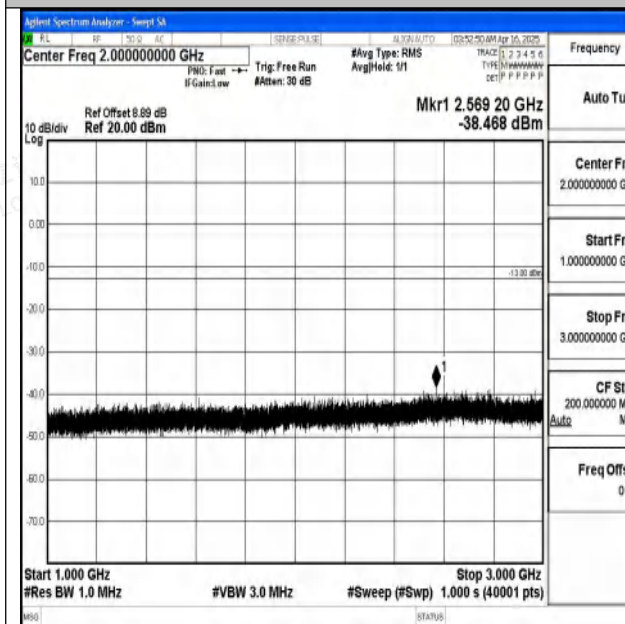




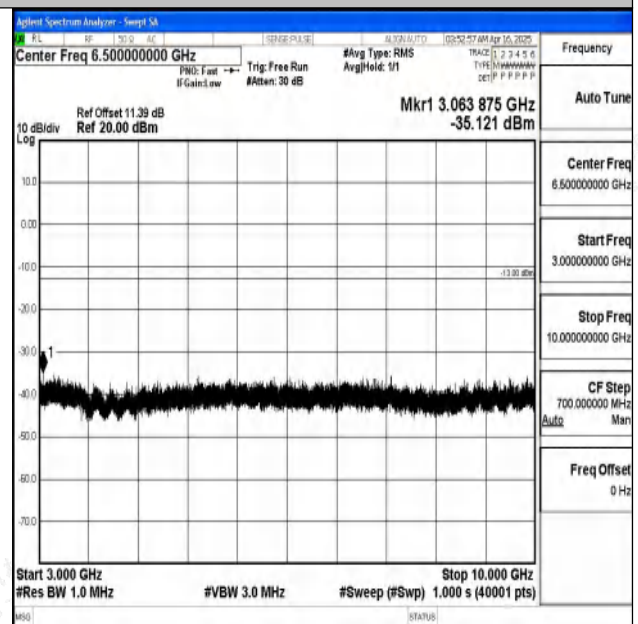
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~30



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



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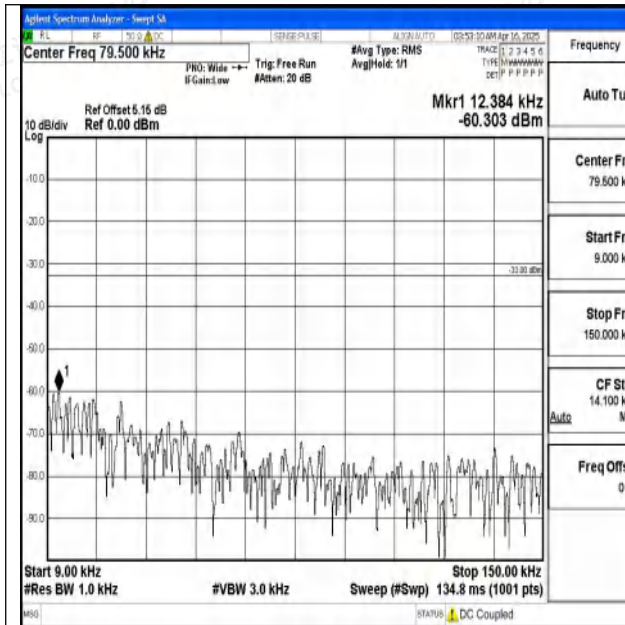


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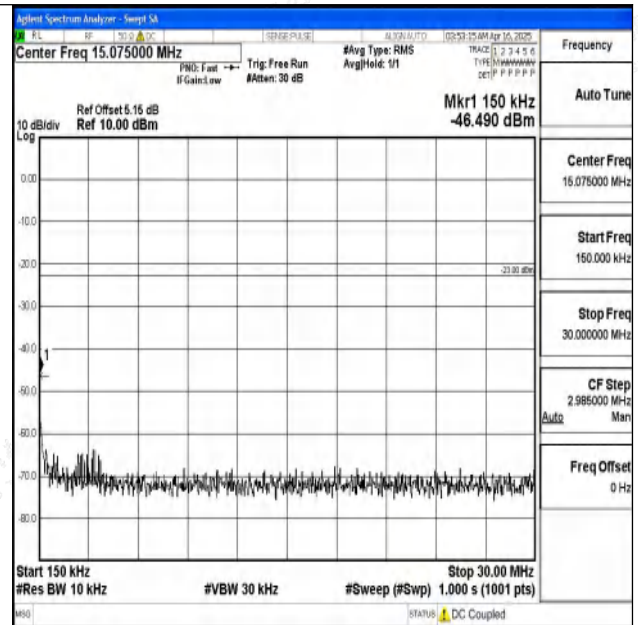
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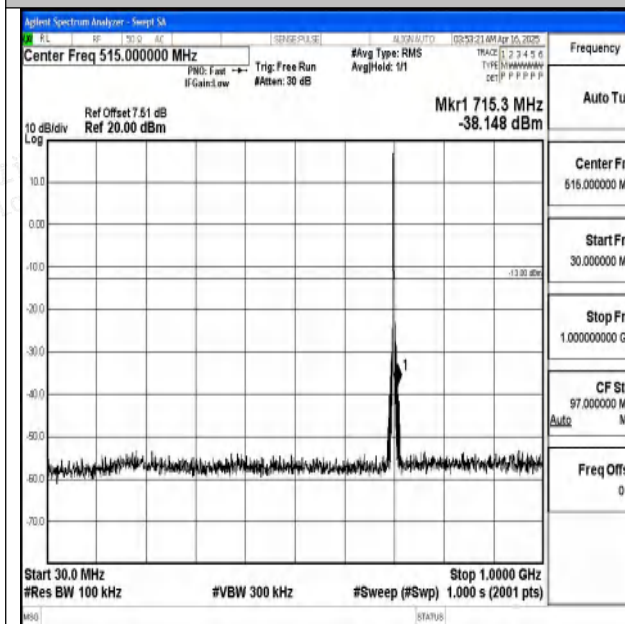
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09~0.15



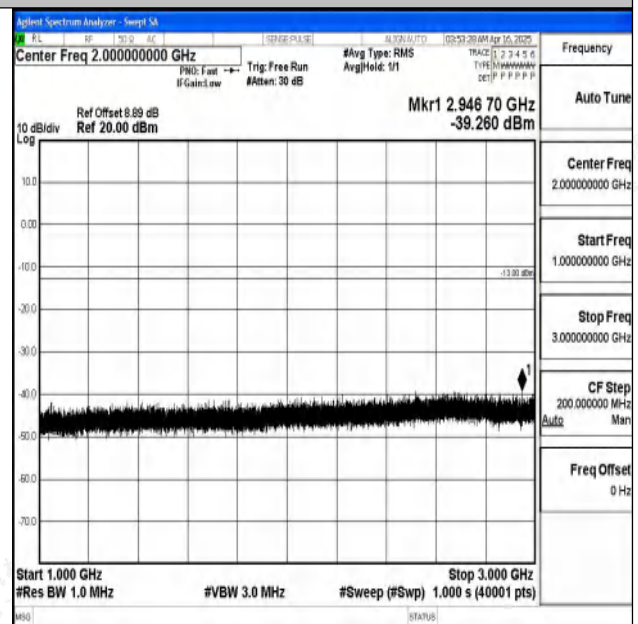
Band12\_3MHz\_QPSK\_23095\_1RB#0\_0.15~30\_0.15~3

0



Band12\_3MHz\_QPSK\_23095\_1RB#0\_30~1000\_30~10

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Band12\_3MHz\_QPSK\_23095\_1RB#0\_1000~3000\_100

0~3000

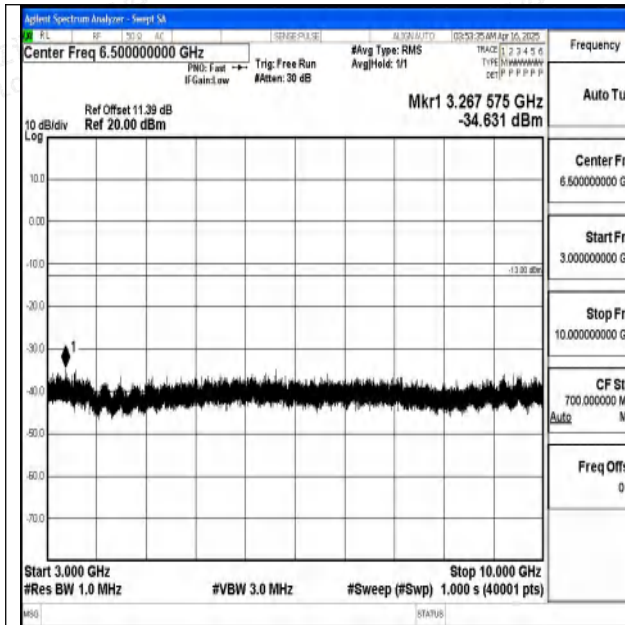


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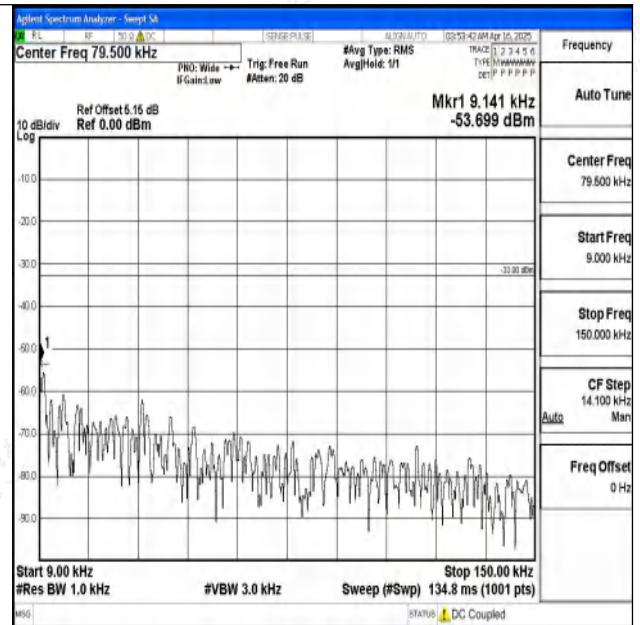
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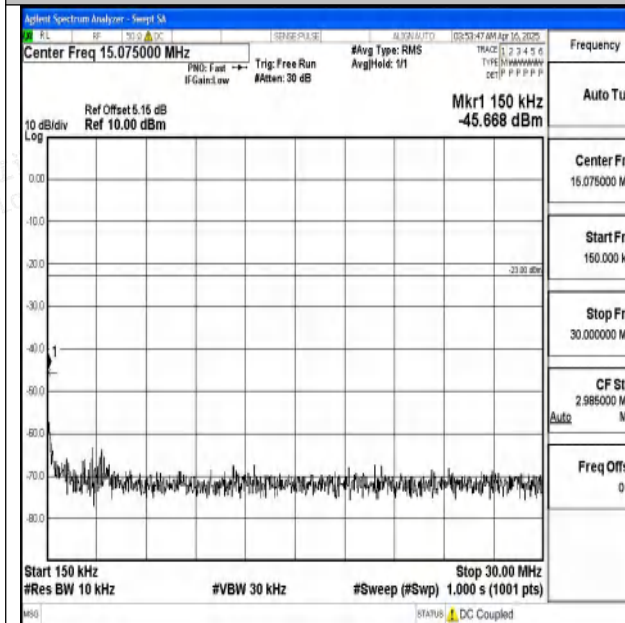
Scan code to check authenticity



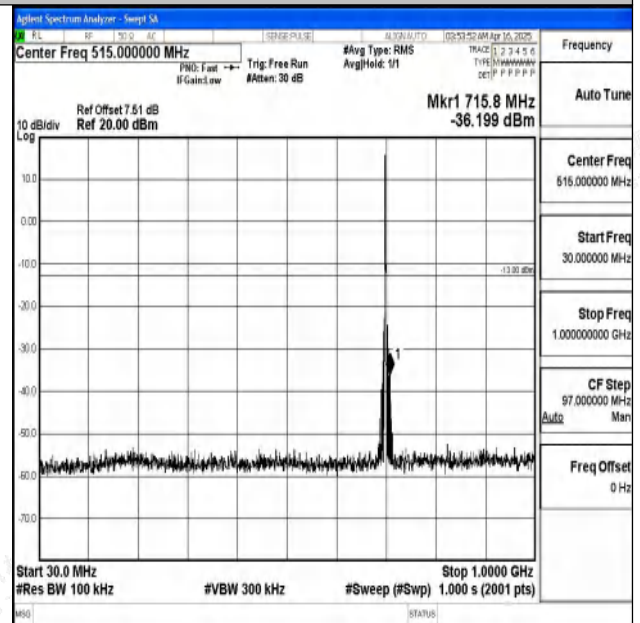
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00~10000



Band12\_3MHz\_16QAM\_23095\_1RB#0\_0.009~0.15\_0.0  
09~0.15

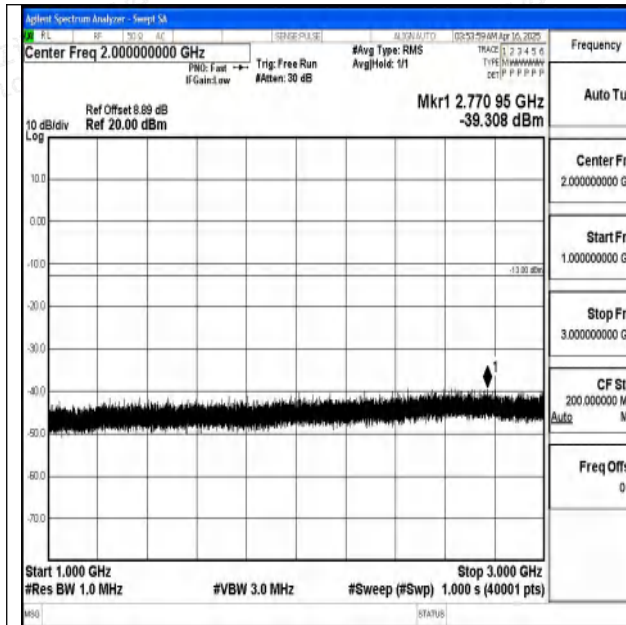


Band12\_3MHz\_16QAM\_23095\_1RB#0\_0.15~30\_0.15  
~30

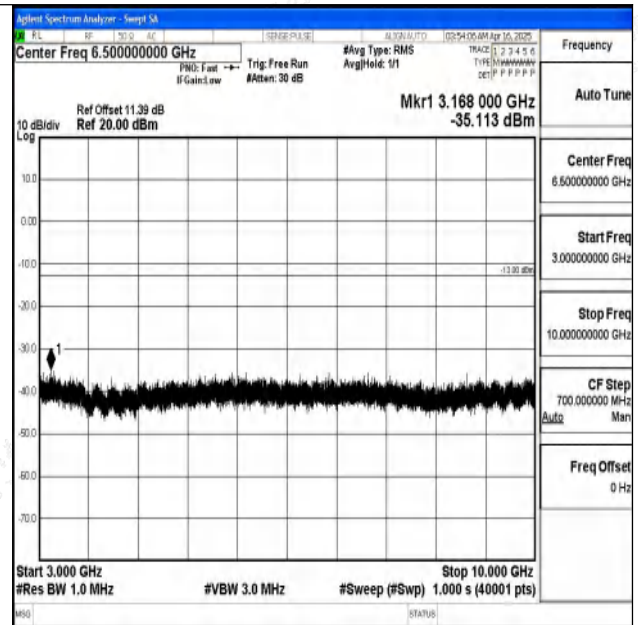


Band12\_3MHz\_16QAM\_23095\_1RB#0\_30~1000\_30~1  
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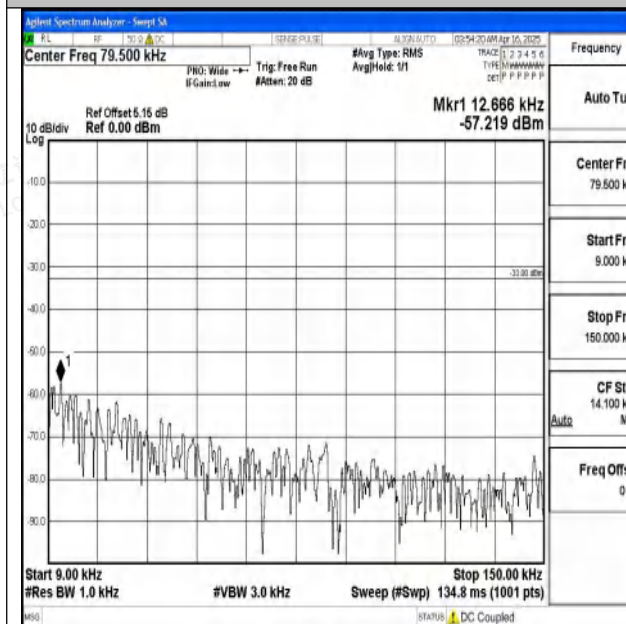




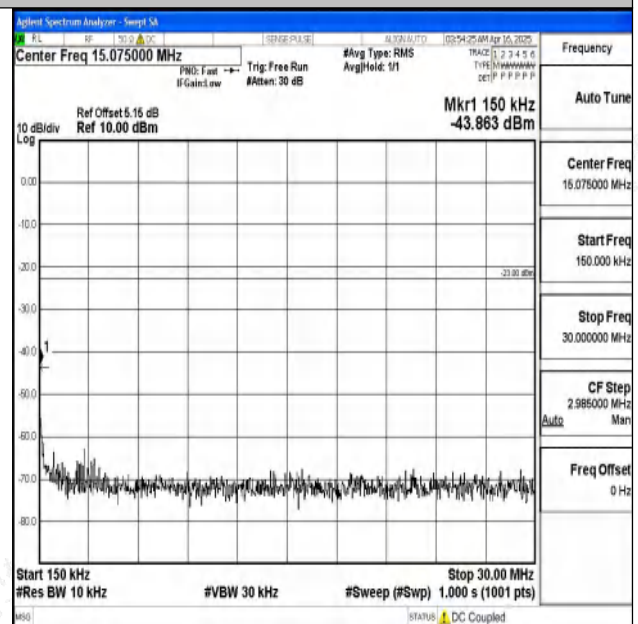
Band12\_3MHz\_16QAM\_23095\_1RB#0\_1000~3000\_1  
000~3000



Band12\_3MHz\_16QAM\_23095\_1RB#0\_3000~10000\_3  
000~10000

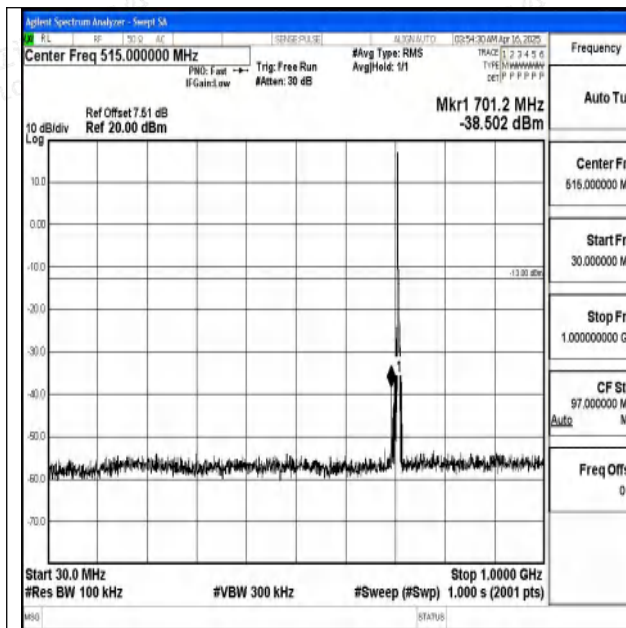


Band12\_3MHz\_QPSK\_23165\_1RB#0\_0.009~0.15\_0  
09~0.15

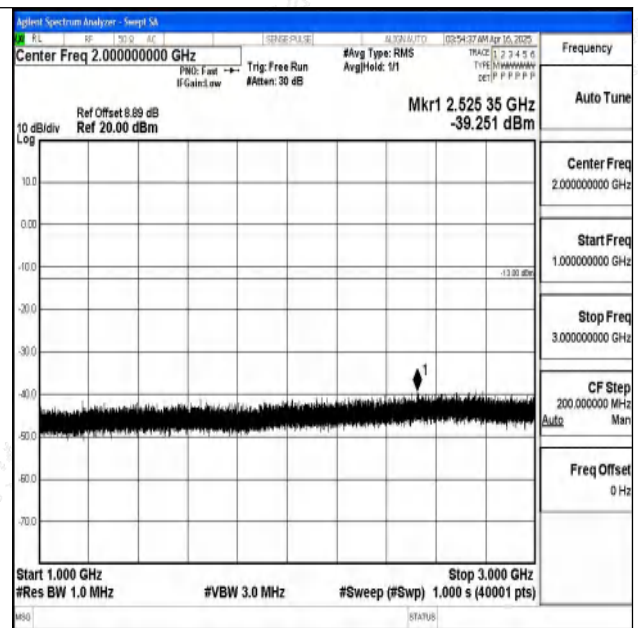


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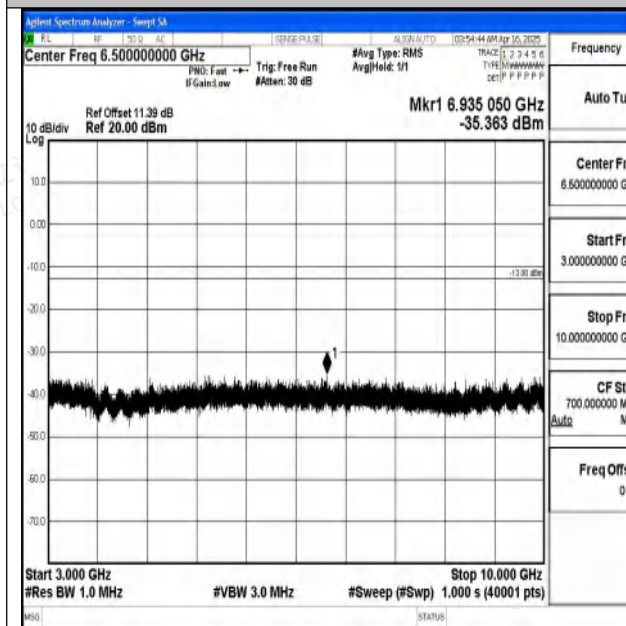




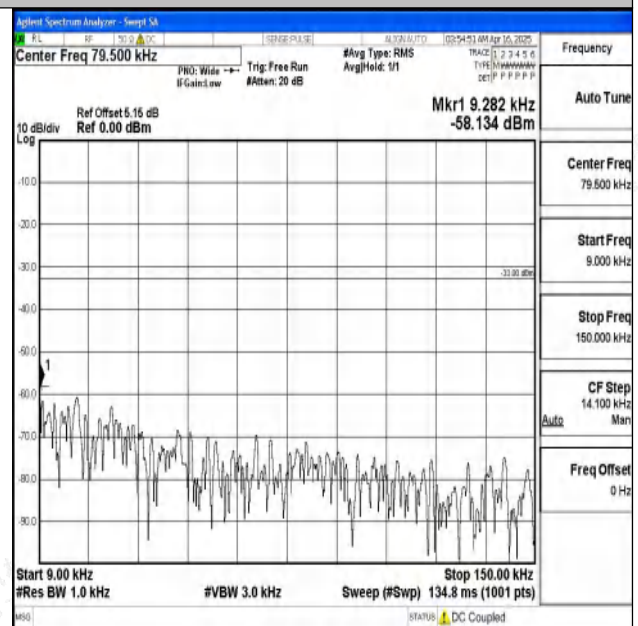
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Band12\_3MHz\_QPSK\_23165\_1RB#0\_1000~3000\_100  
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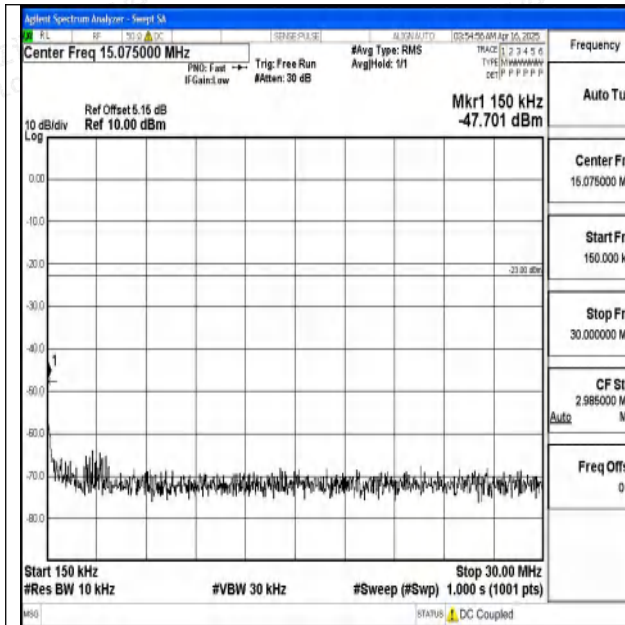


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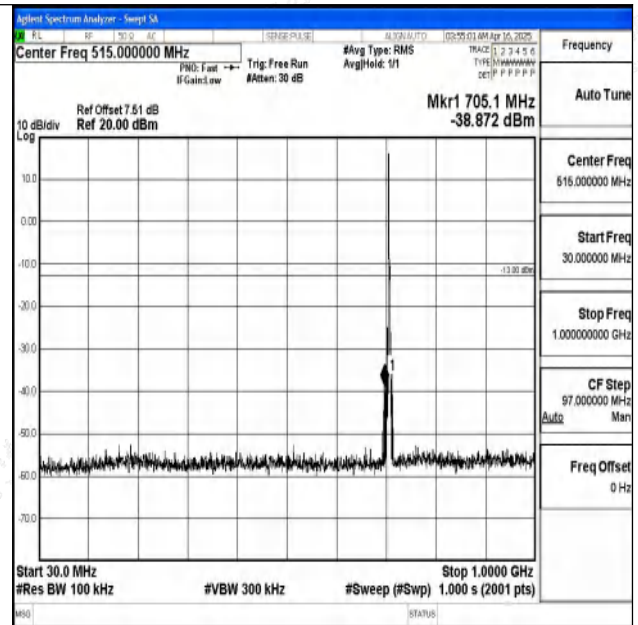


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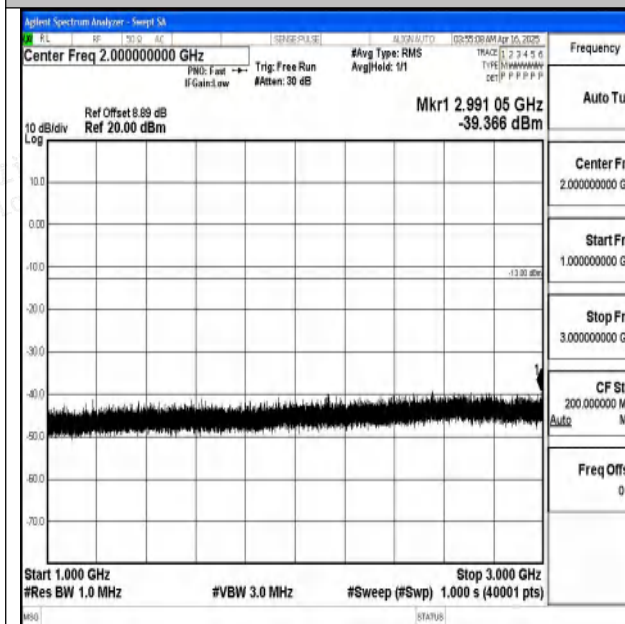




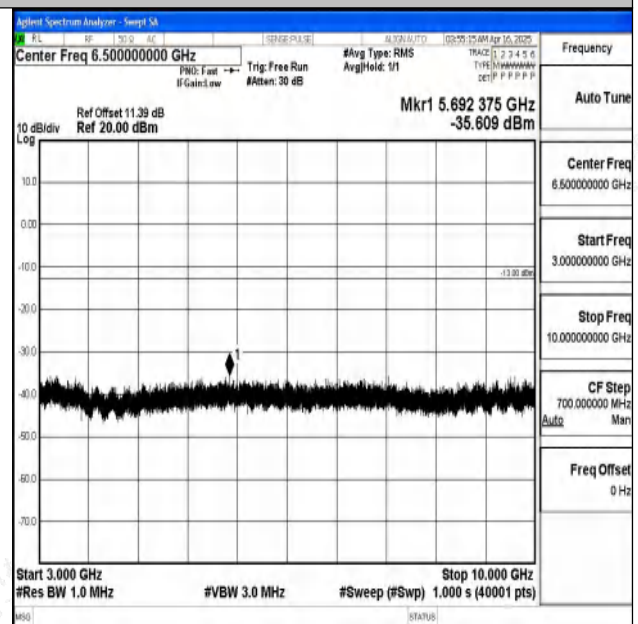
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Band12\_3MHz\_16QAM\_23165\_1RB#0\_30~1000\_30~1  
000

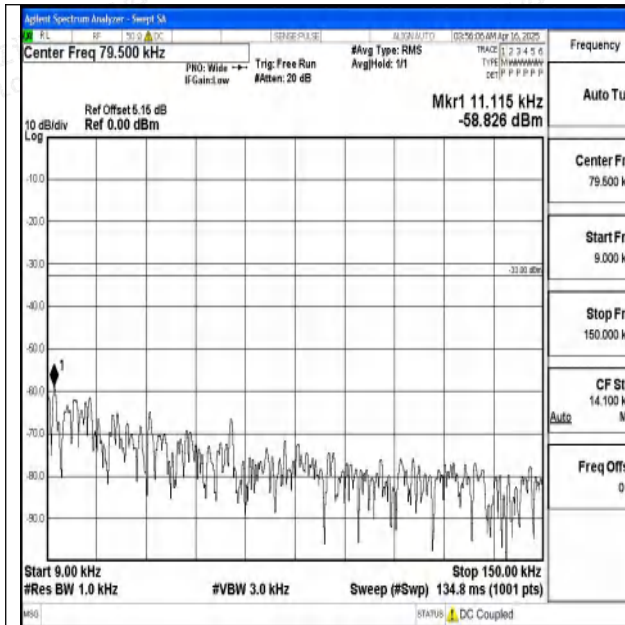


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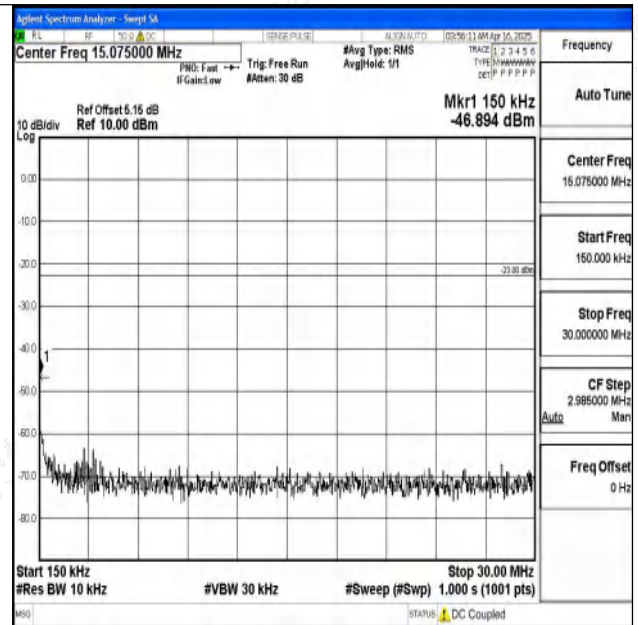
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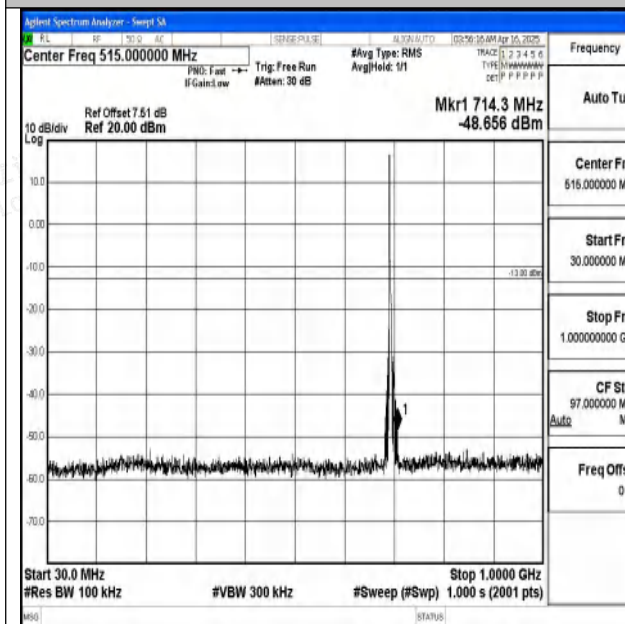
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09~0.15



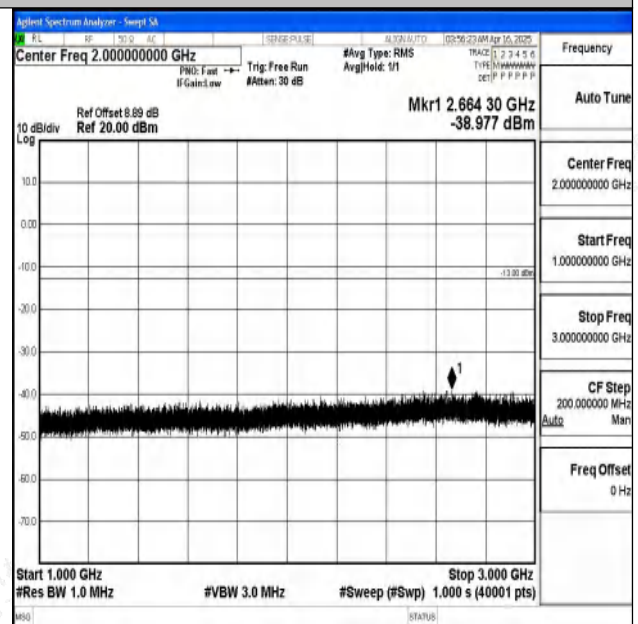
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0



Band12\_5MHz\_QPSK\_23035\_1RB#0\_30~1000\_30~10

00



Band12\_5MHz\_QPSK\_23035\_1RB#0\_1000~3000\_100

0~3000

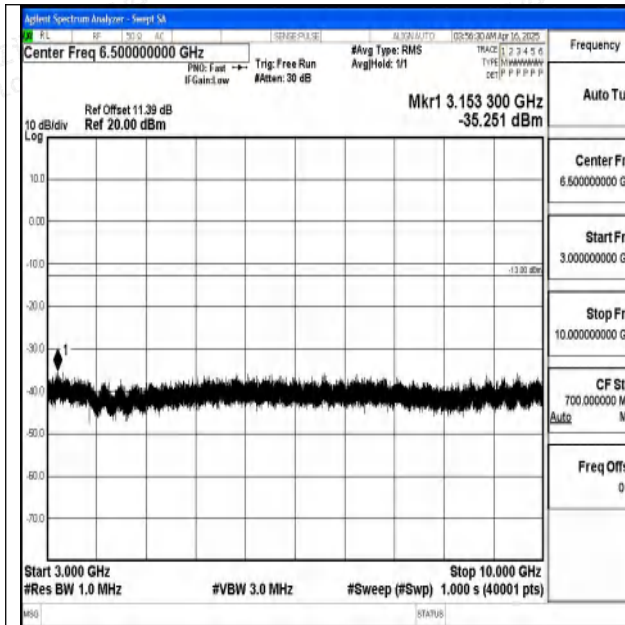


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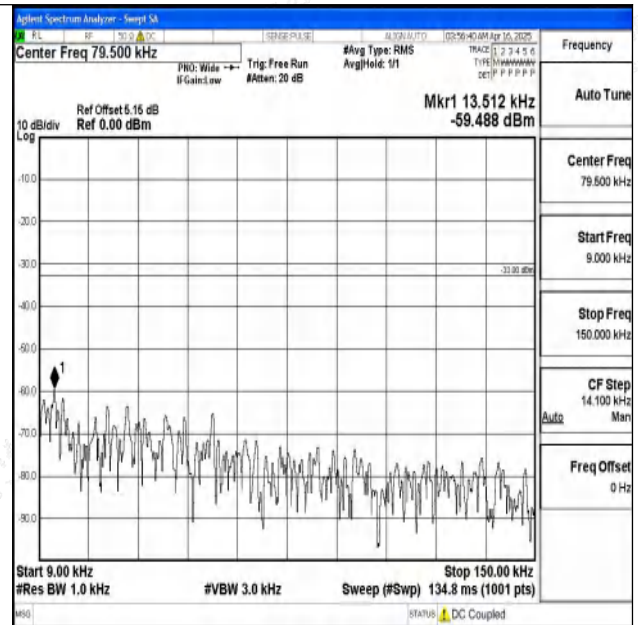
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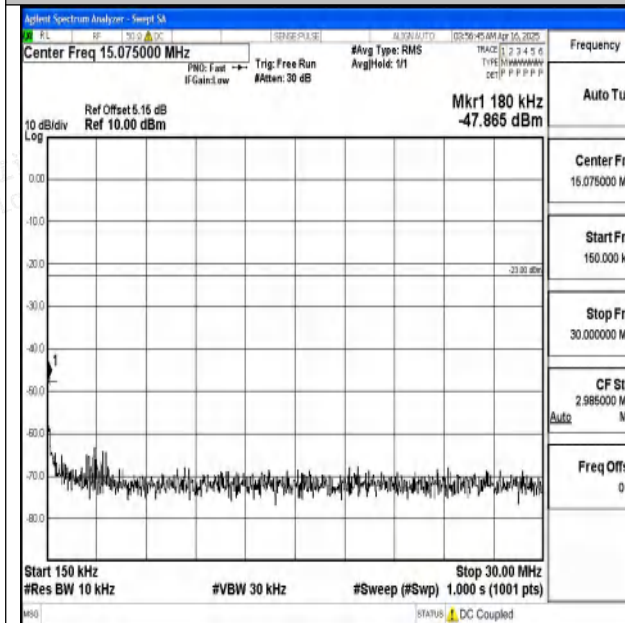
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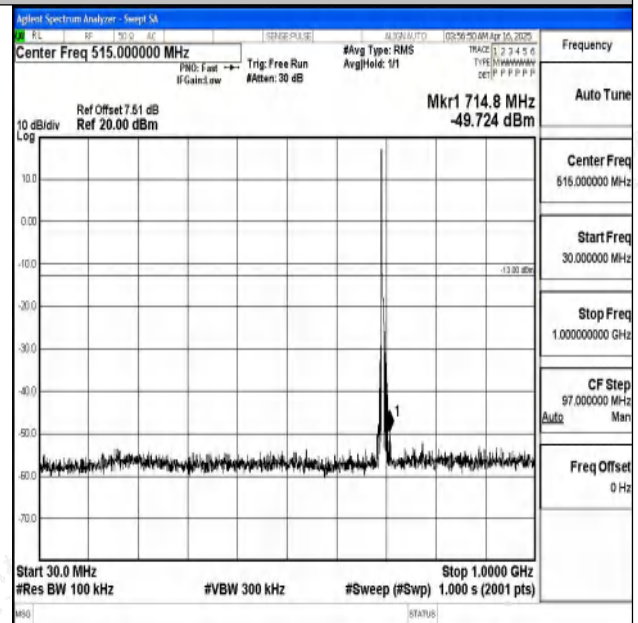
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Band12\_5MHz\_16QAM\_23035\_1RB#0\_0.009~0.15\_0.09~0.15



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



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

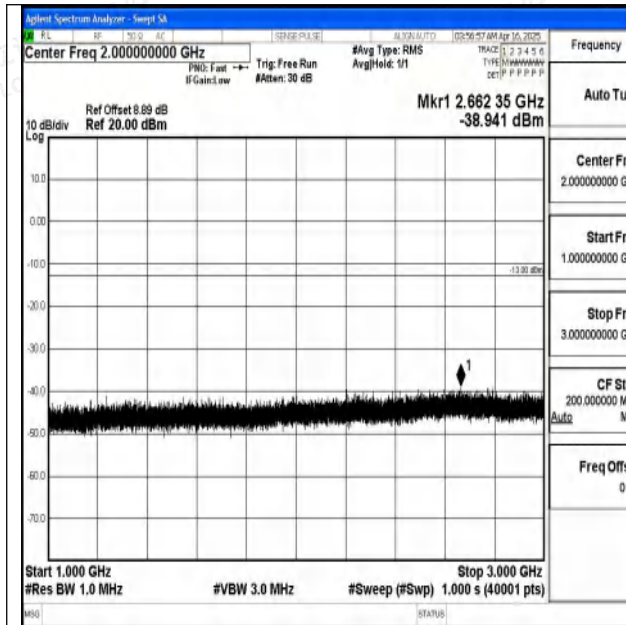


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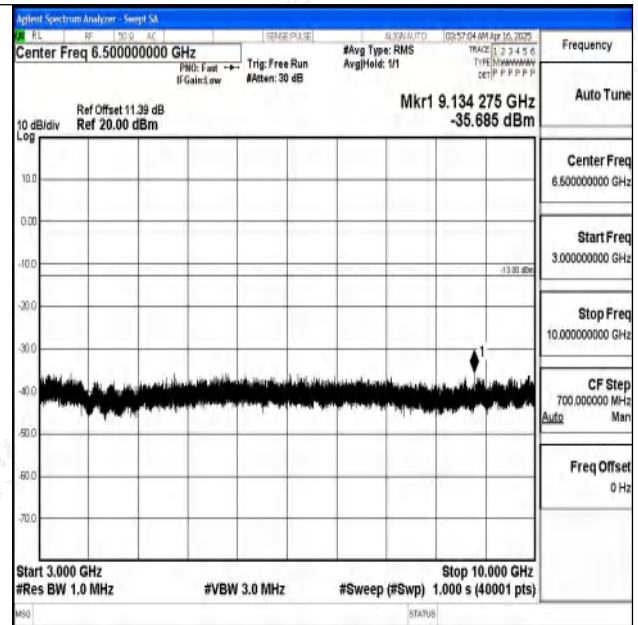
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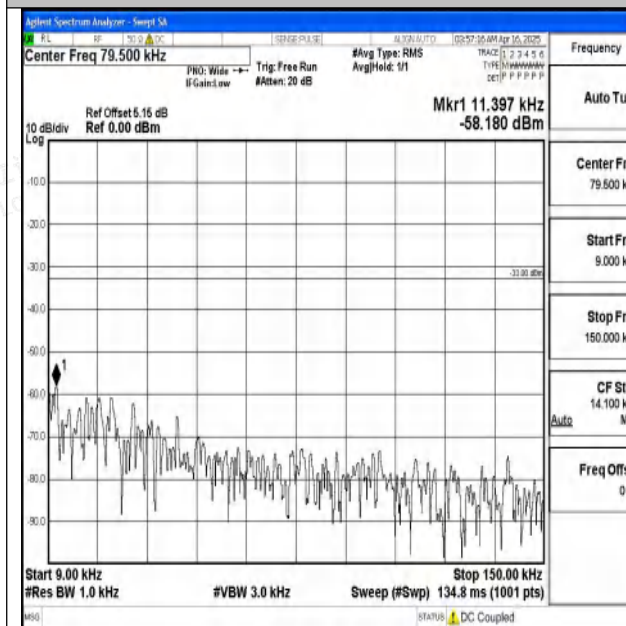
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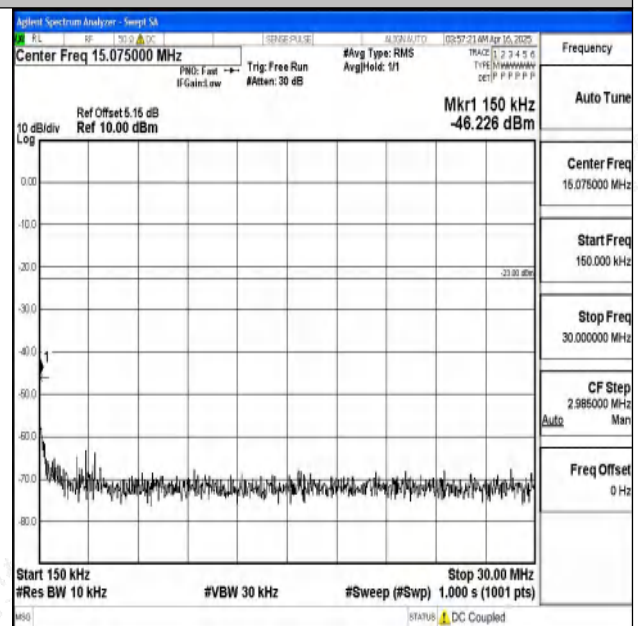
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000~3000



Band12\_5MHz\_16QAM\_23035\_1RB#0\_3000~10000\_3  
000~10000

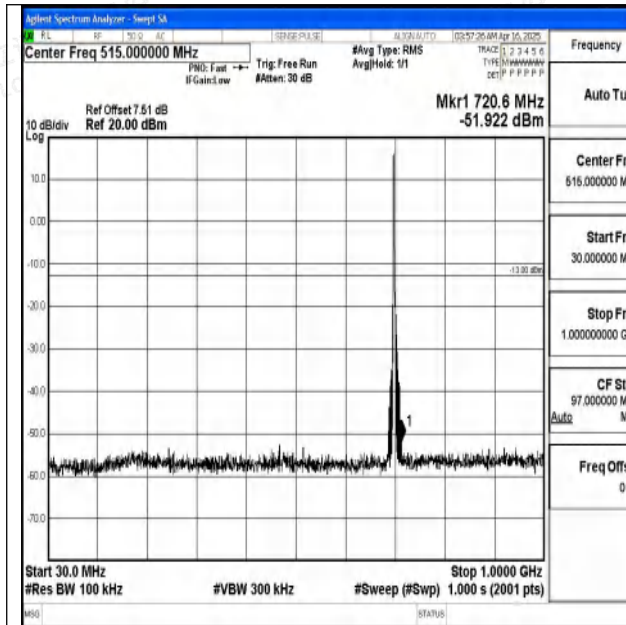


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09~0.15

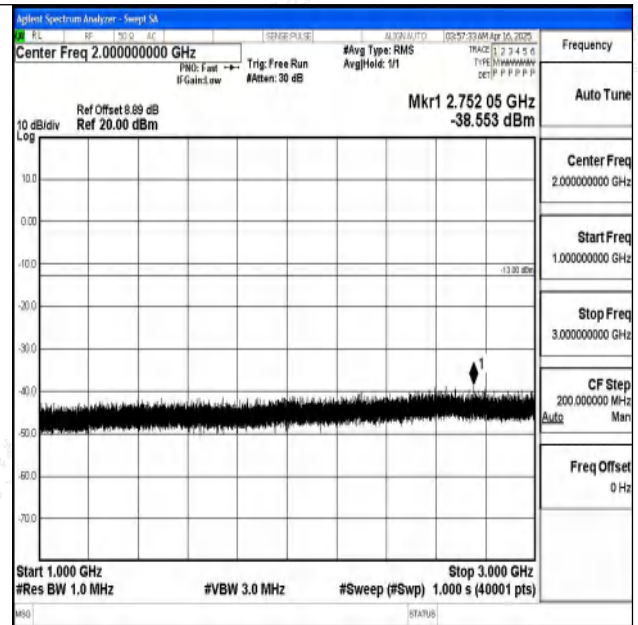


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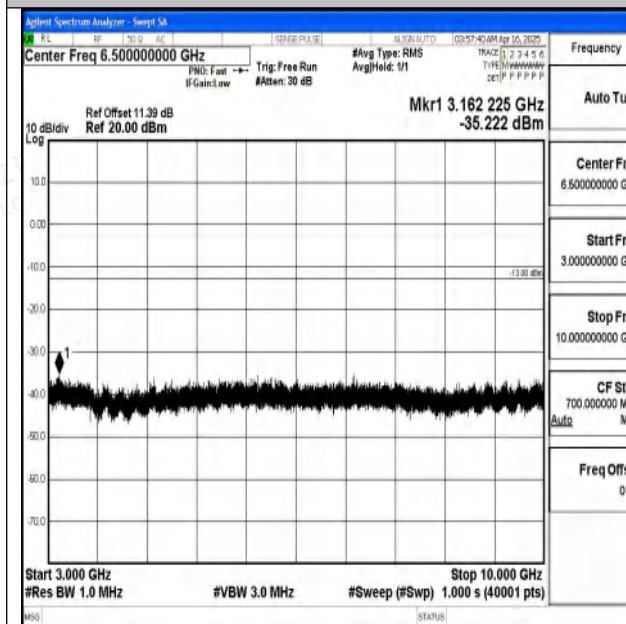




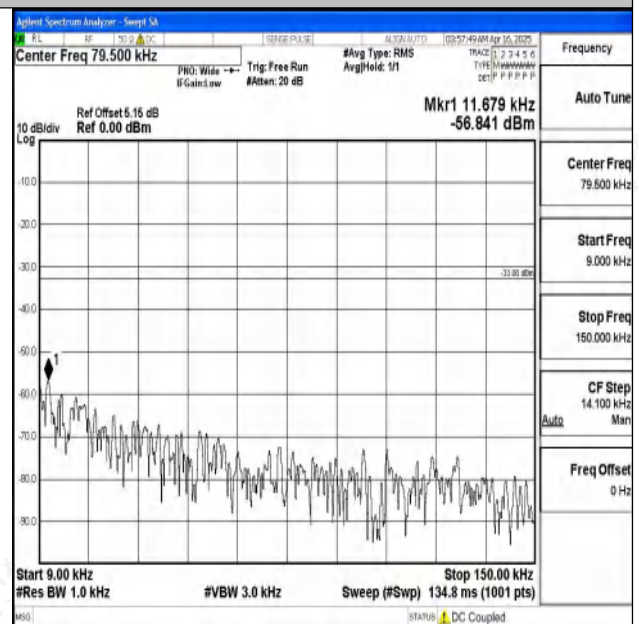
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Band12\_5MHz\_QPSK\_23095\_1RB#0\_1000~3000\_100  
0~3000

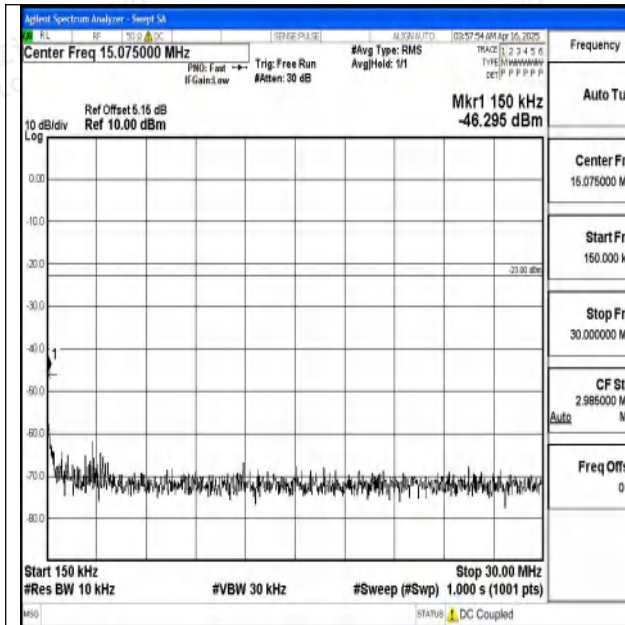


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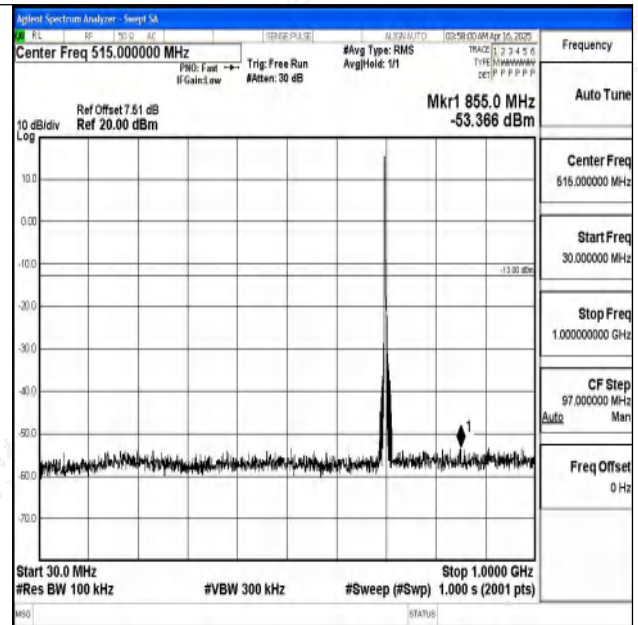


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09~0.15

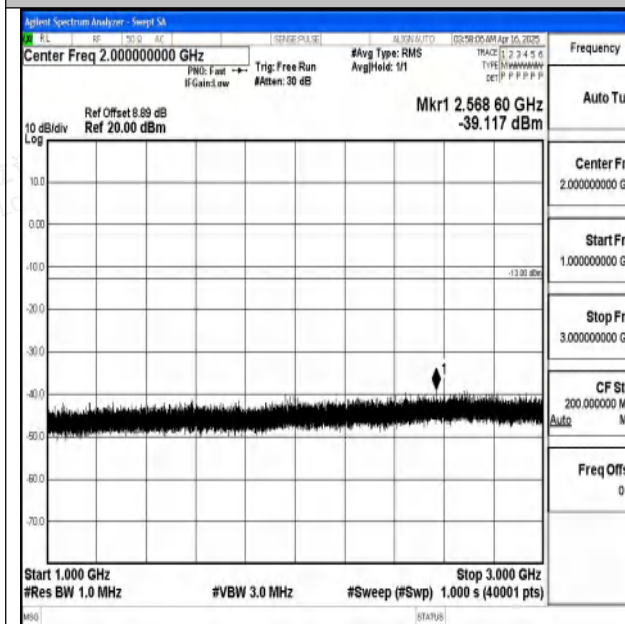




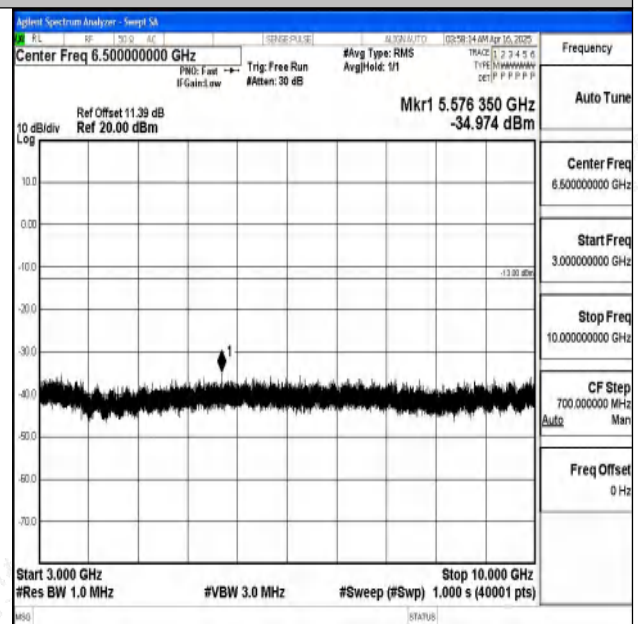
Band12\_5MHz\_16QAM\_23095\_1RB#0\_0.15~30\_0.15  
~30



Band12\_5MHz\_16QAM\_23095\_1RB#0\_30~1000\_30~1  
000



Band12\_5MHz\_16QAM\_23095\_1RB#0\_1000~3000\_1  
000~3000



Band12\_5MHz\_16QAM\_23095\_1RB#0\_3000~10000\_3  
000~10000

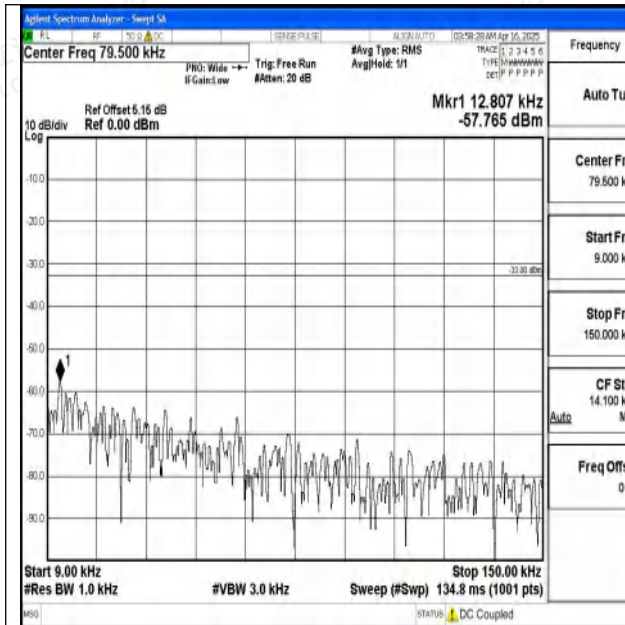


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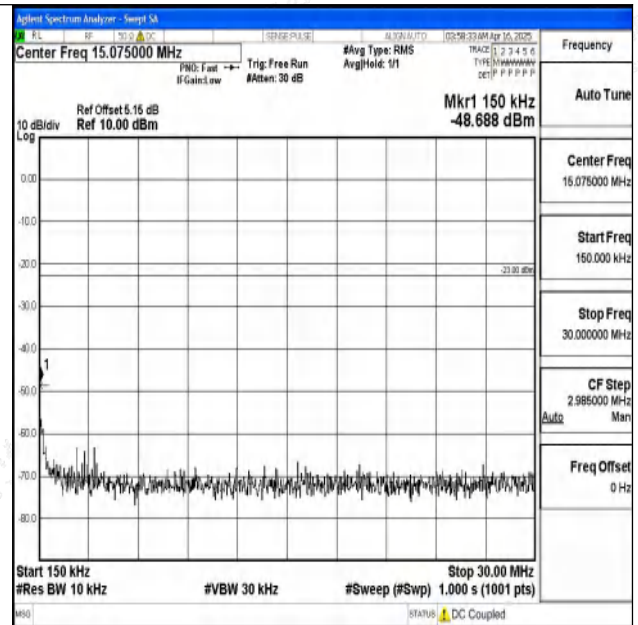
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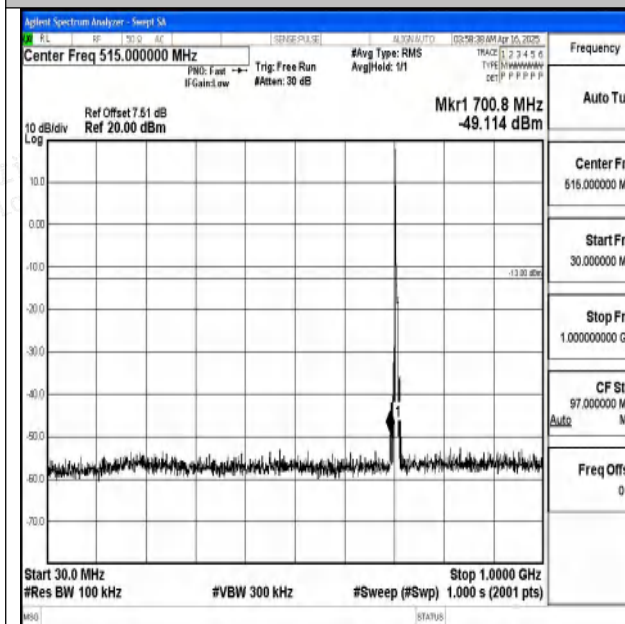
Scan code to check authenticity



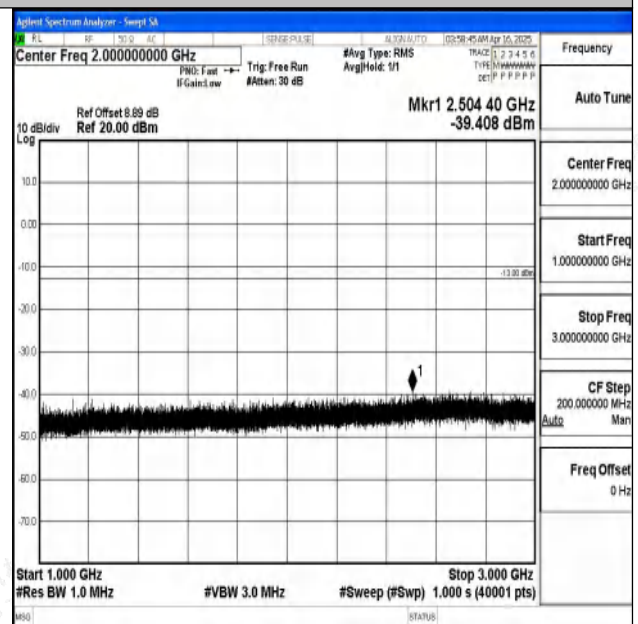
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09~0.15



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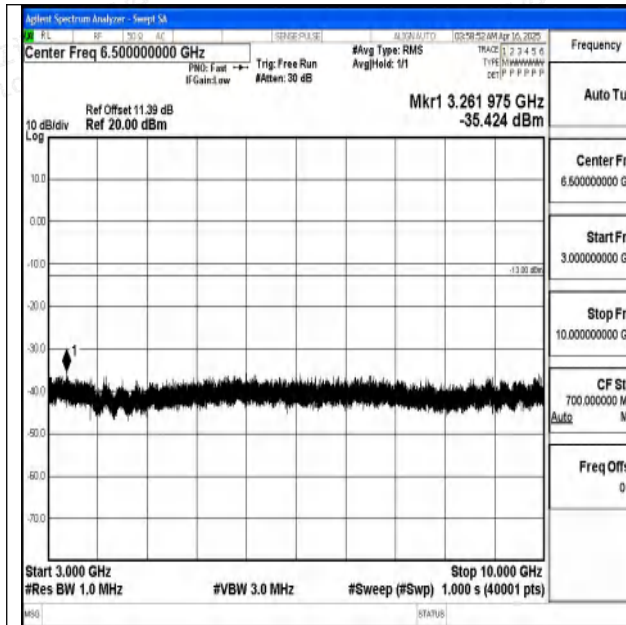


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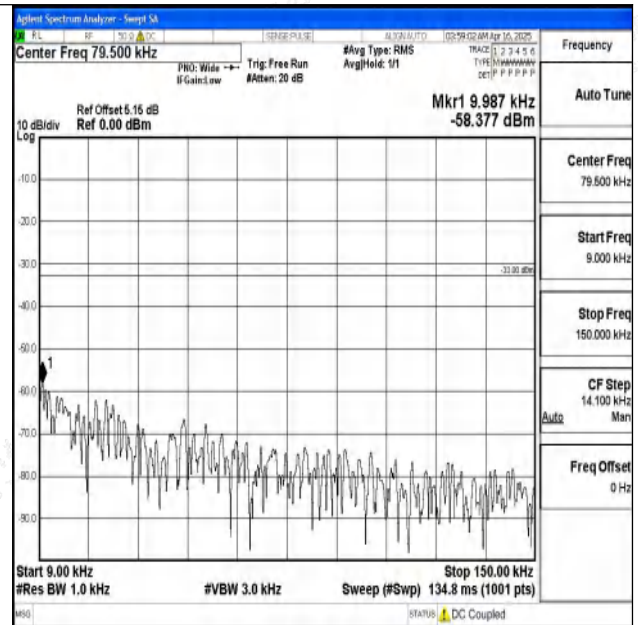


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0~3000

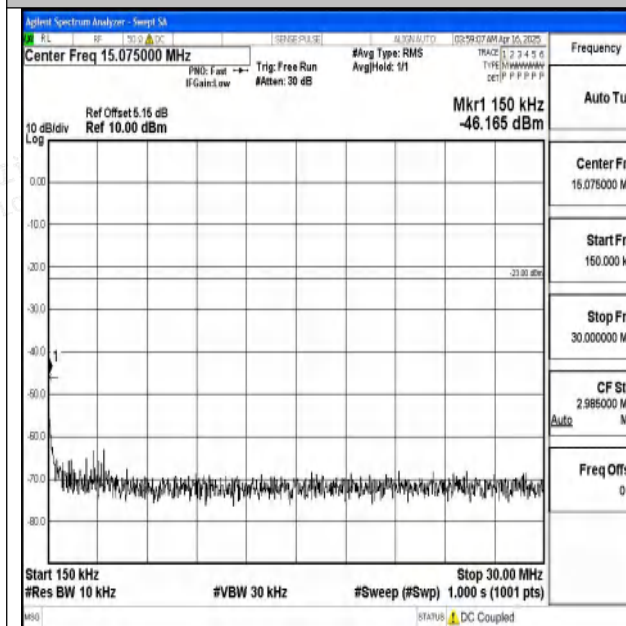




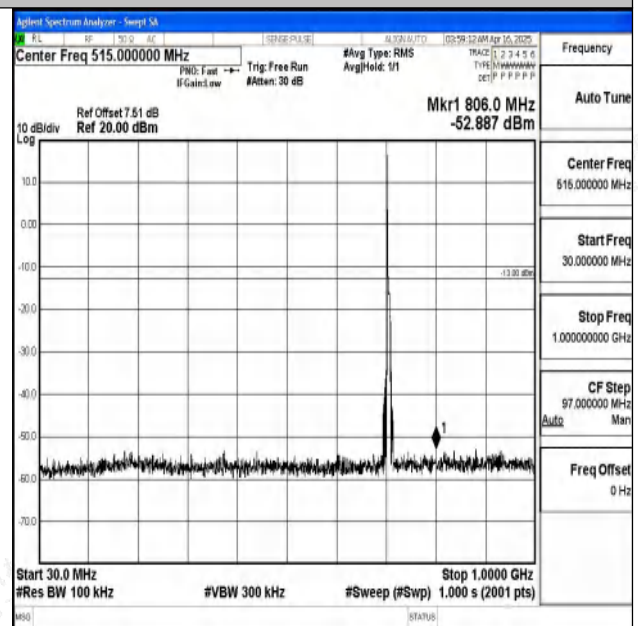
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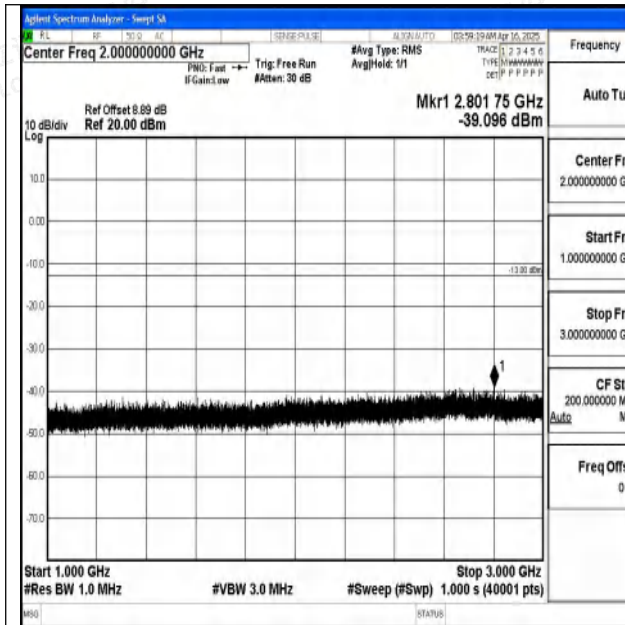


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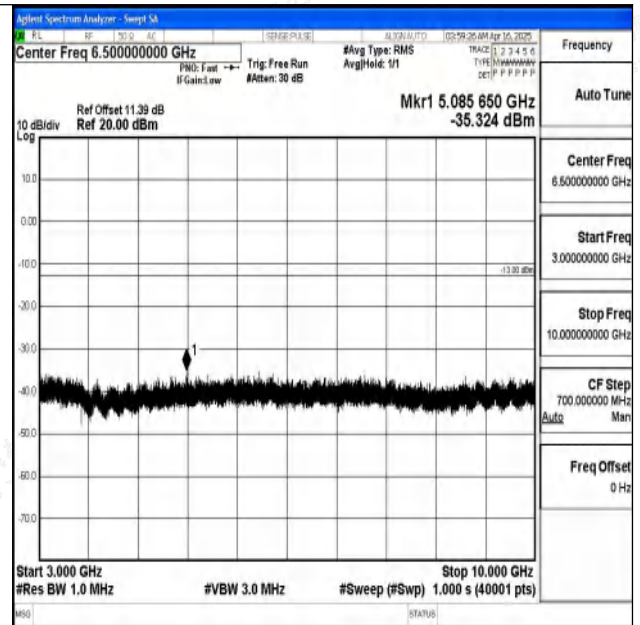
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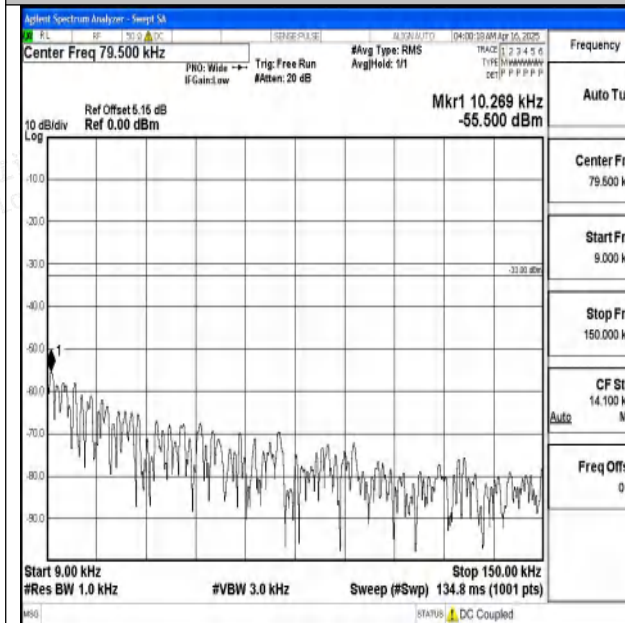
Scan code to check authenticity



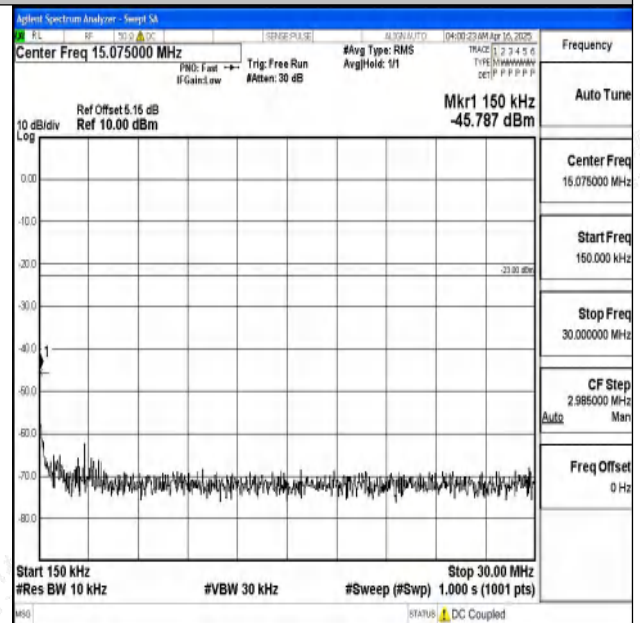
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000~3000



Band12\_5MHz\_16QAM\_23155\_1RB#0\_3000~10000\_3  
000~10000

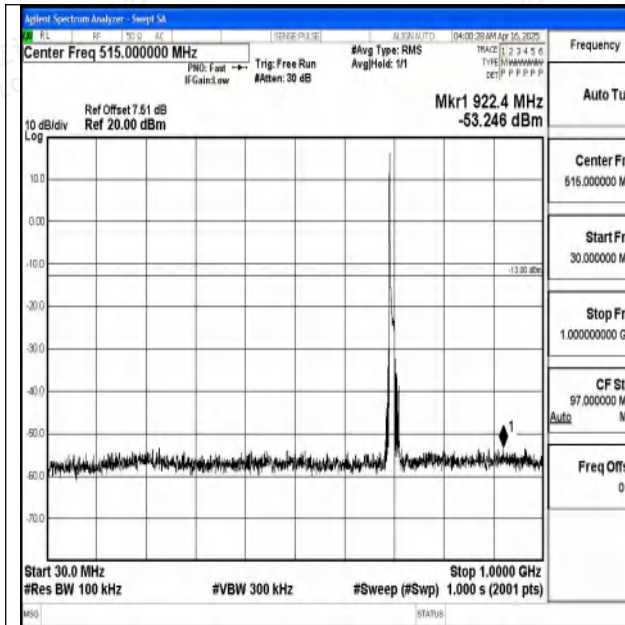


Band12\_10MHz\_QPSK\_23060\_1RB#0\_0.009~0.15\_0.  
009~0.15

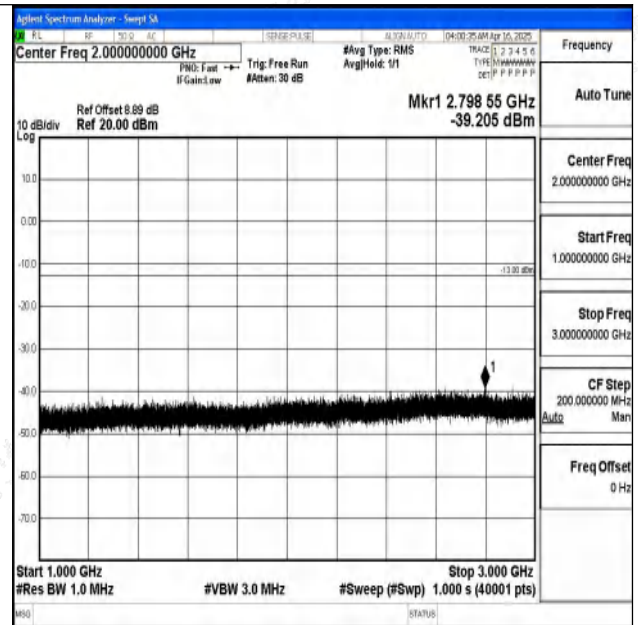


Band12\_10MHz\_QPSK\_23060\_1RB#0\_0.15~30\_0.15~  
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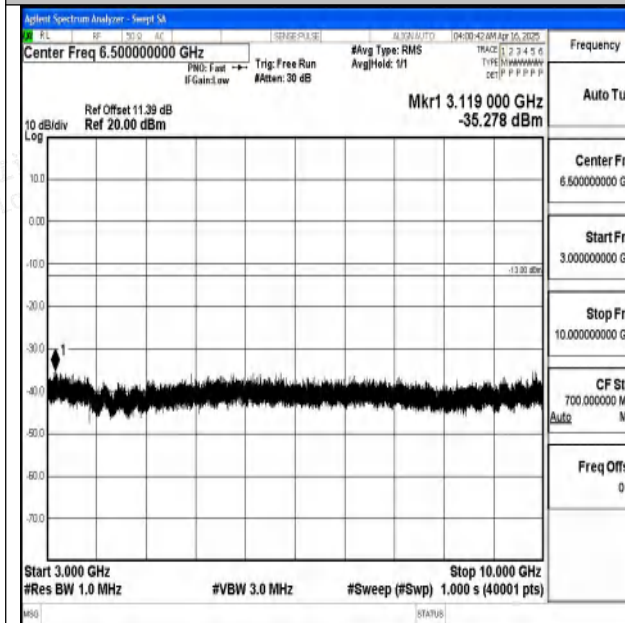




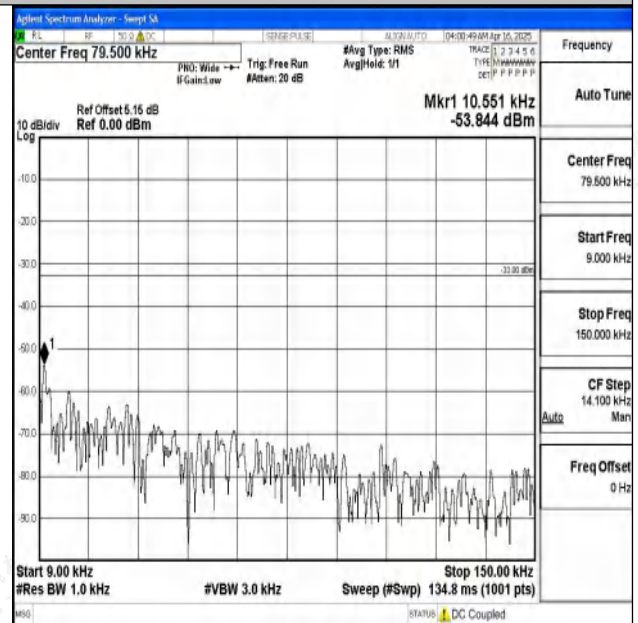
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Band12\_10MHz\_QPSK\_23060\_1RB#0\_1000~3000\_1000~3000



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

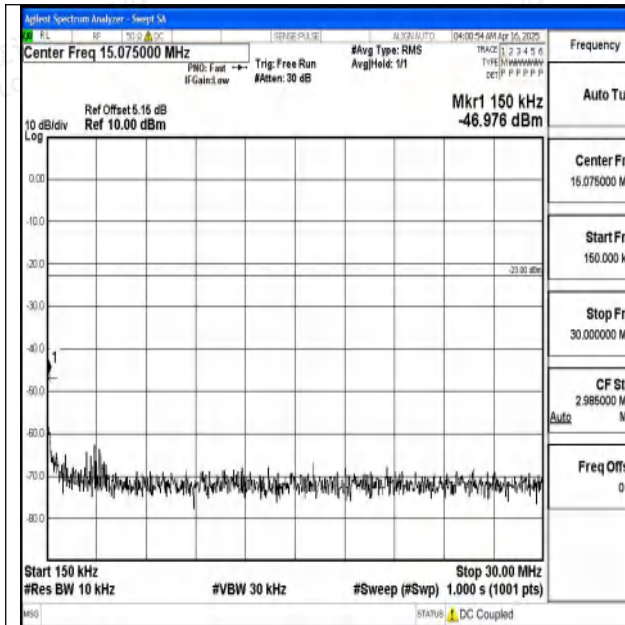


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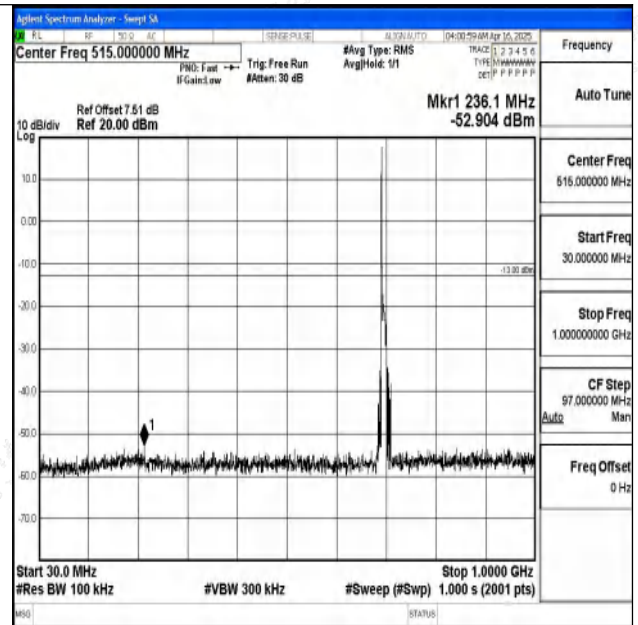
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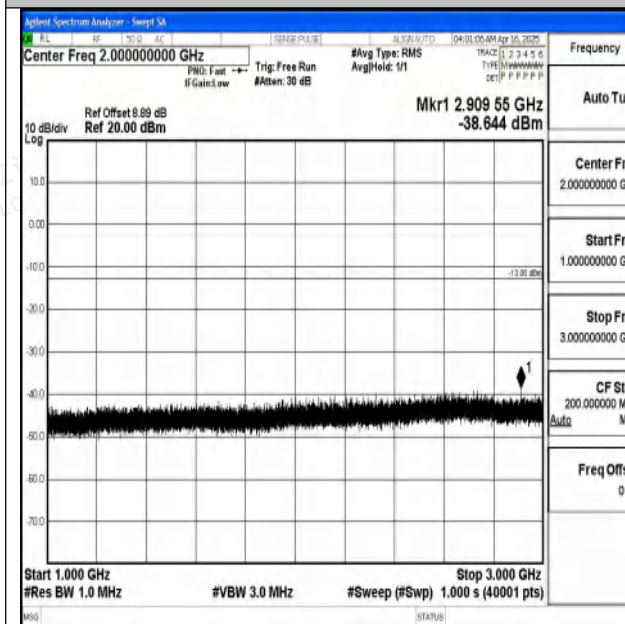
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5~30



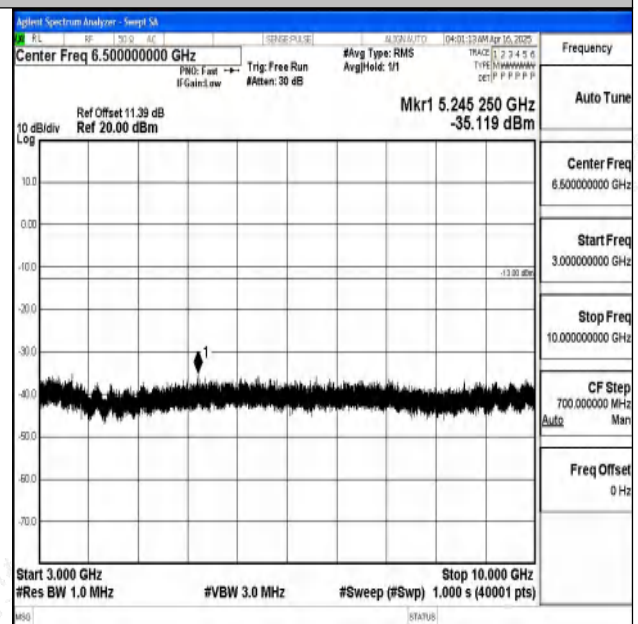
Band12\_10MHz\_16QAM\_23060\_1RB#0\_30~1000\_30~

1000



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

1000~3000



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

3000~10000

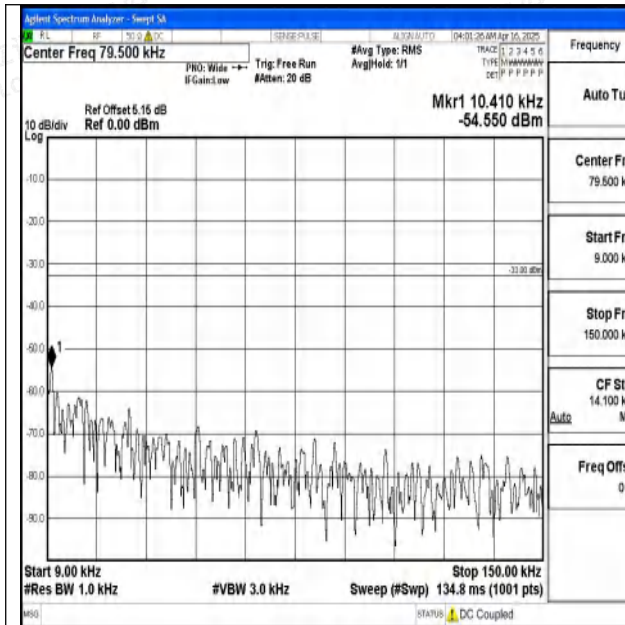


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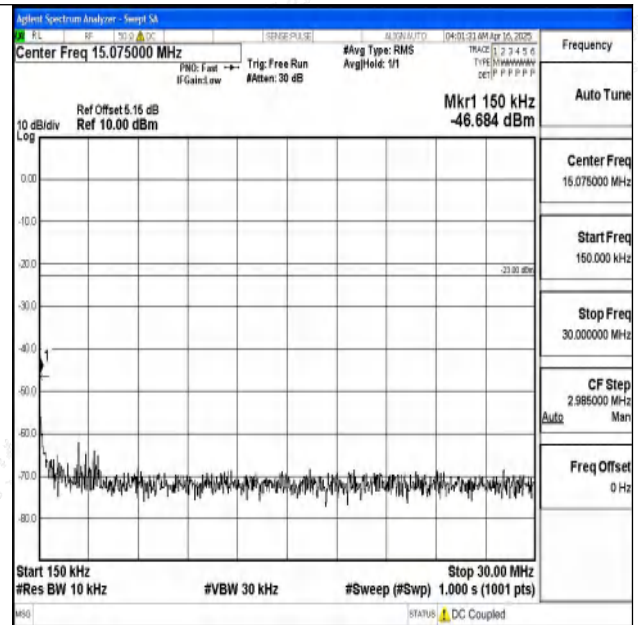
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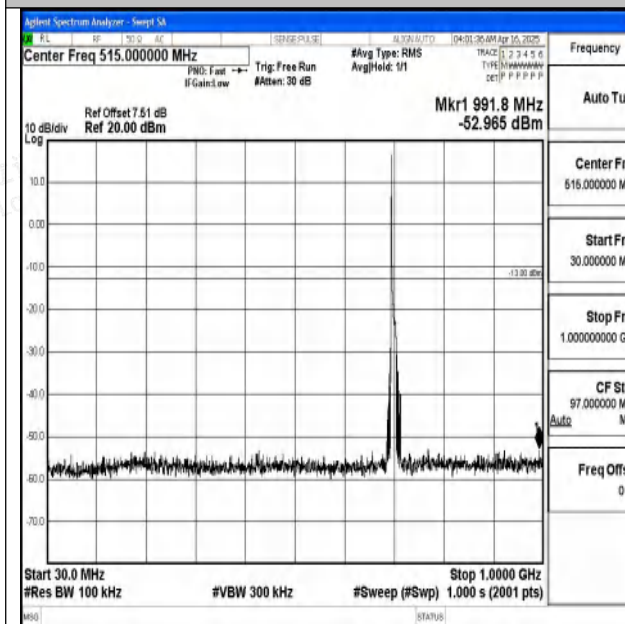
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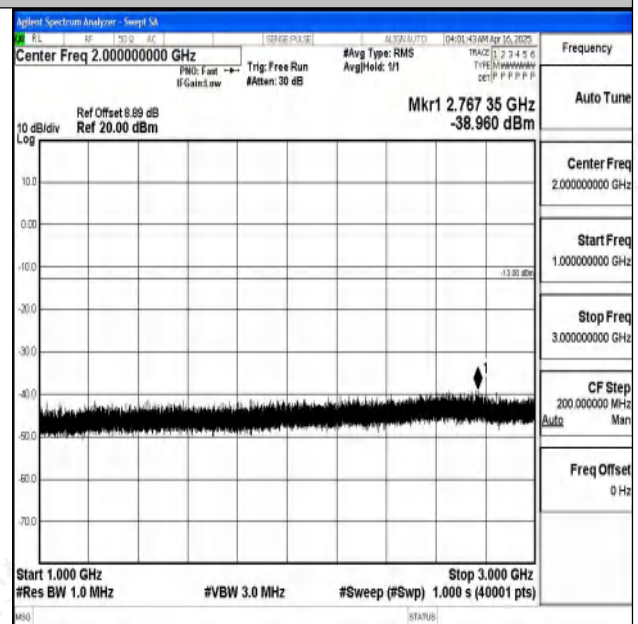
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Band12\_10MHz\_QPSK\_23095\_1RB#0\_0.15~30\_0.15~30



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



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

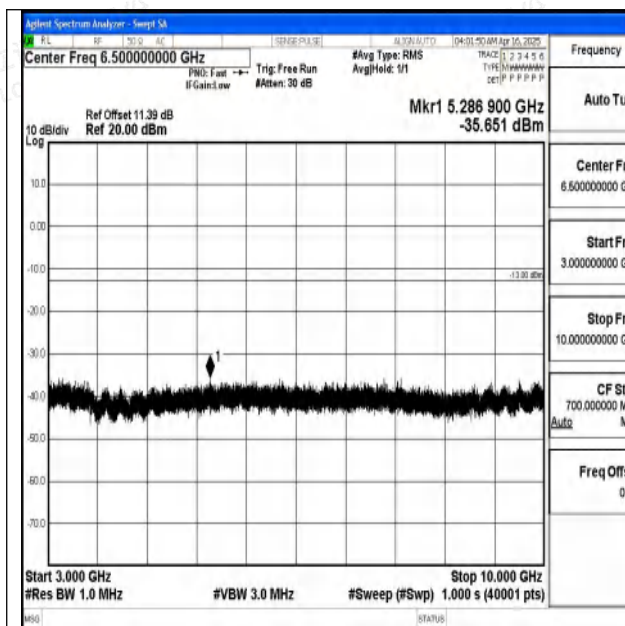


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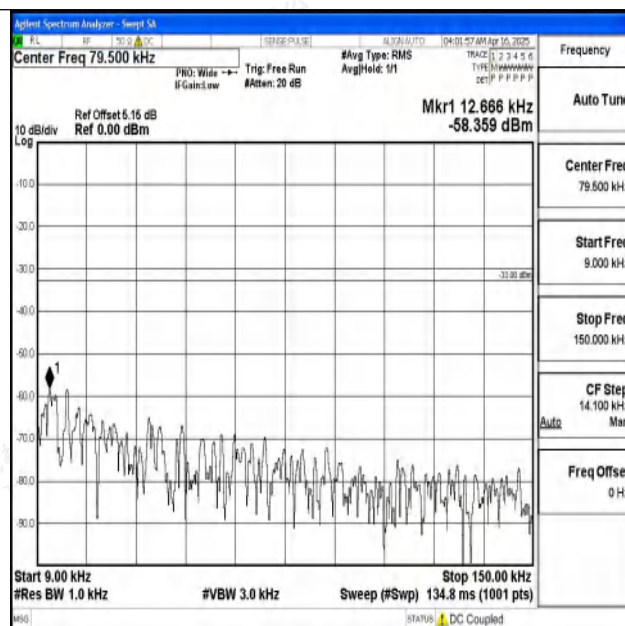
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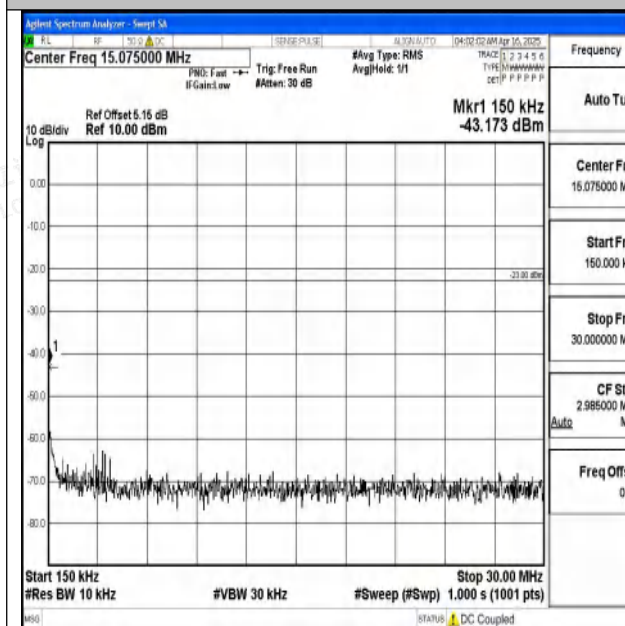
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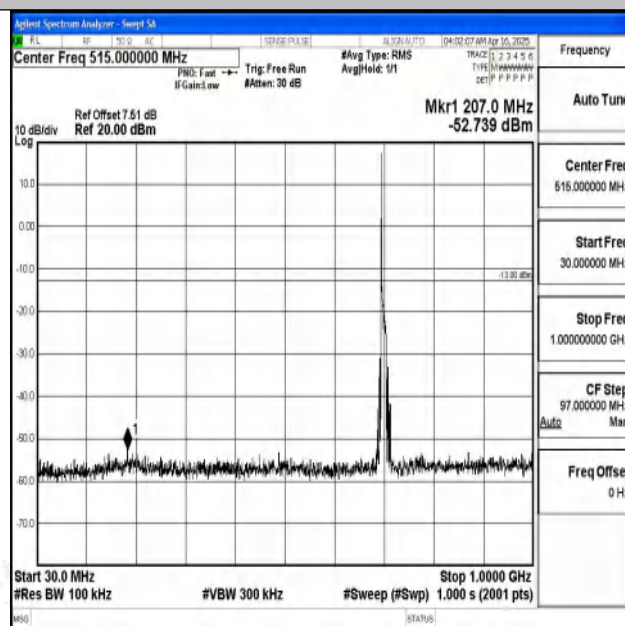
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Band12\_10MHz\_16QAM\_23095\_1RB#0\_0.009~0.15\_0.009~0.15



Band12\_10MHz\_16QAM\_23095\_1RB#0\_0.15~30\_0.1  
5~30



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

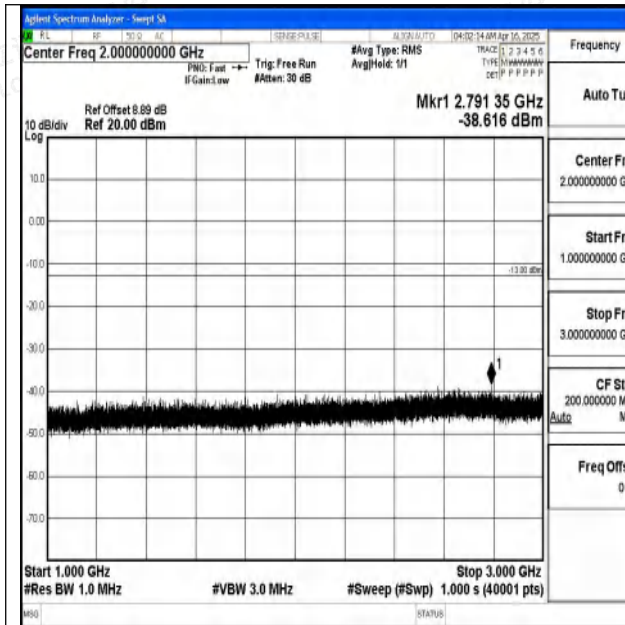


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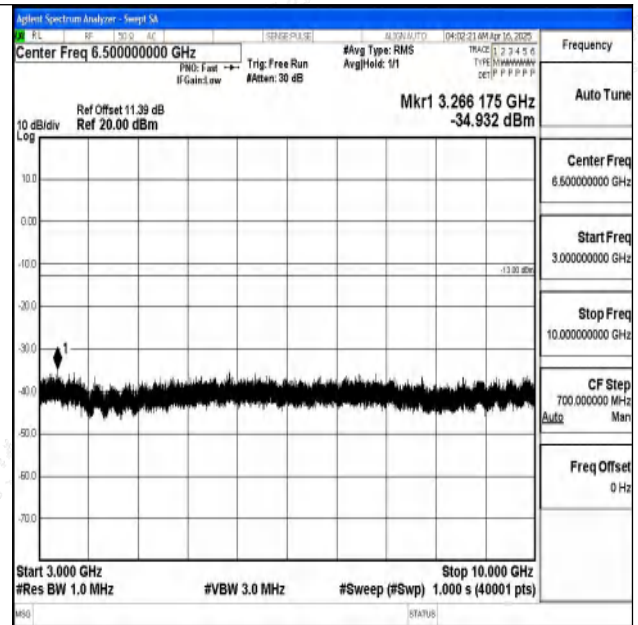
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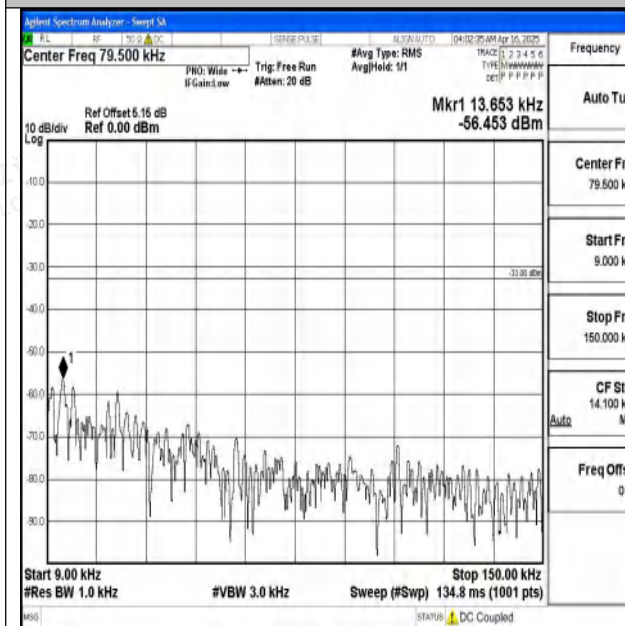
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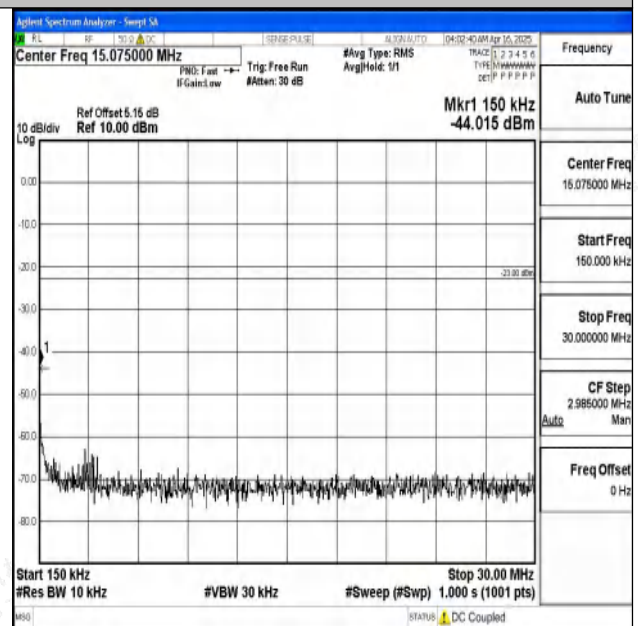
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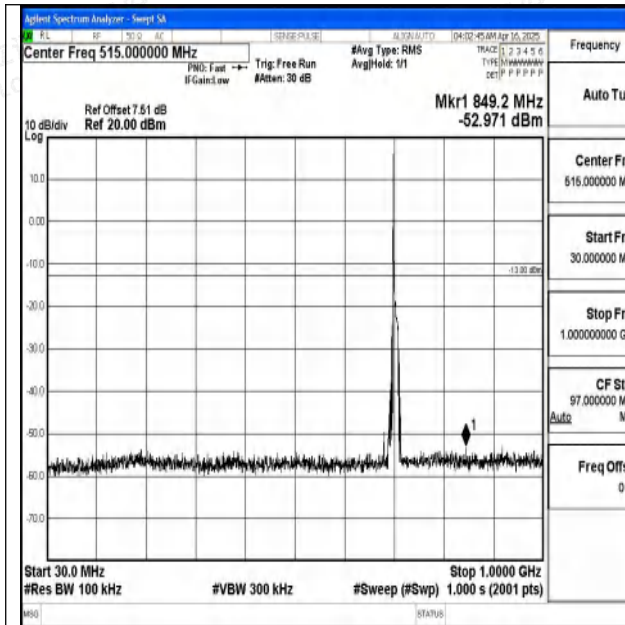


Band12\_10MHz\_QPSK\_23130\_1RB#0\_0.009~0.15\_009~0.15

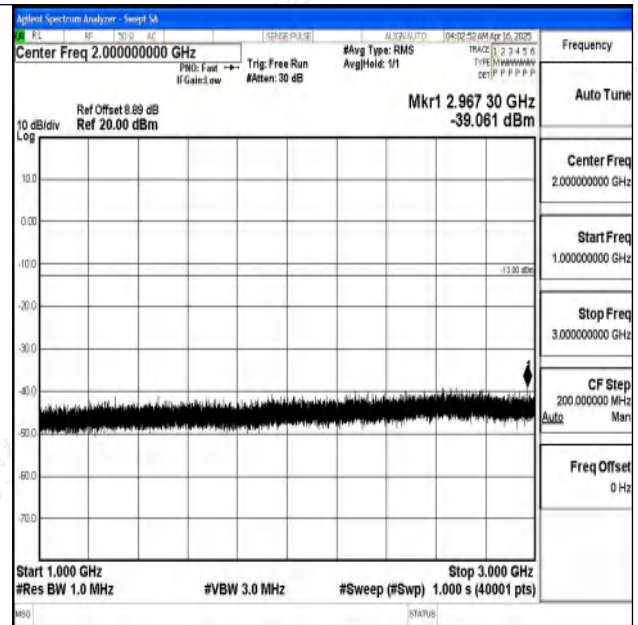


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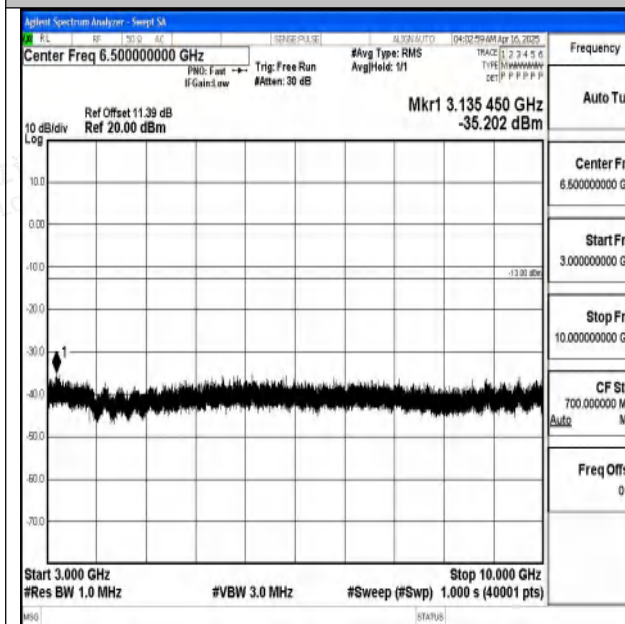




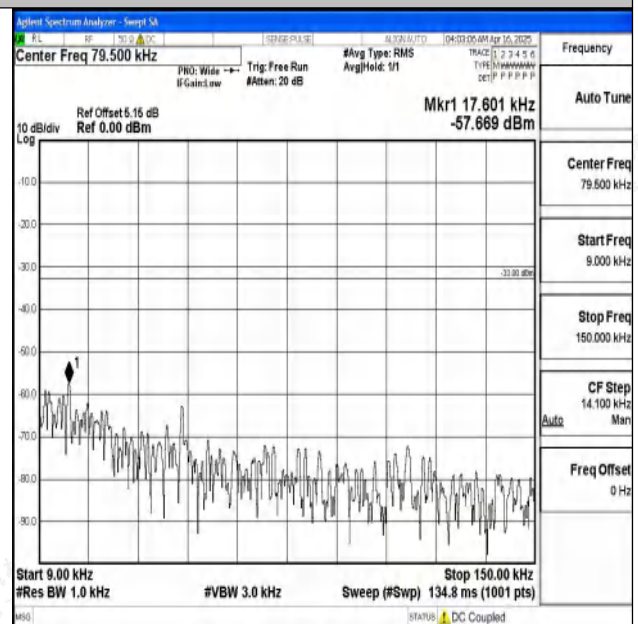
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Band12\_10MHz\_QPSK\_23130\_1RB#0\_1000~3000\_1000~3000

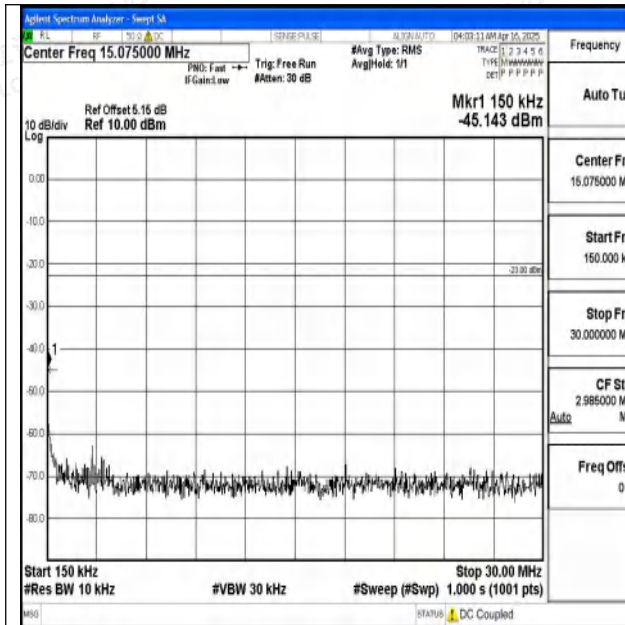


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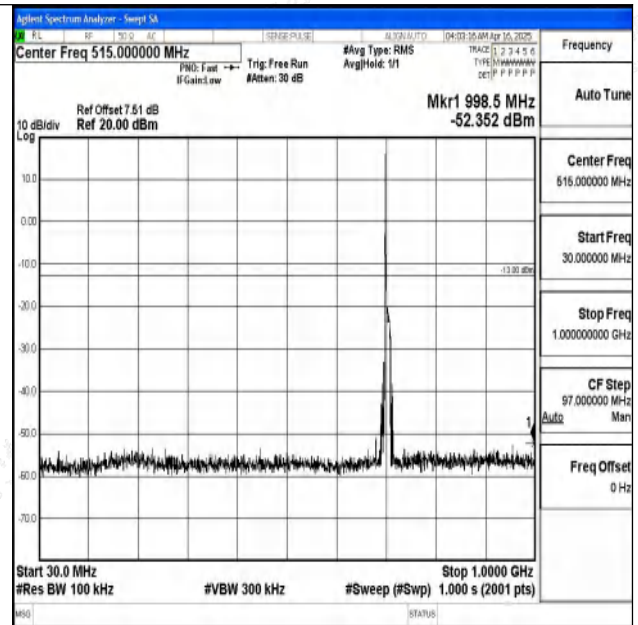
Band12\_10MHz\_16QAM\_23130\_1RB#0\_0.009~0.15\_0.009~0.15





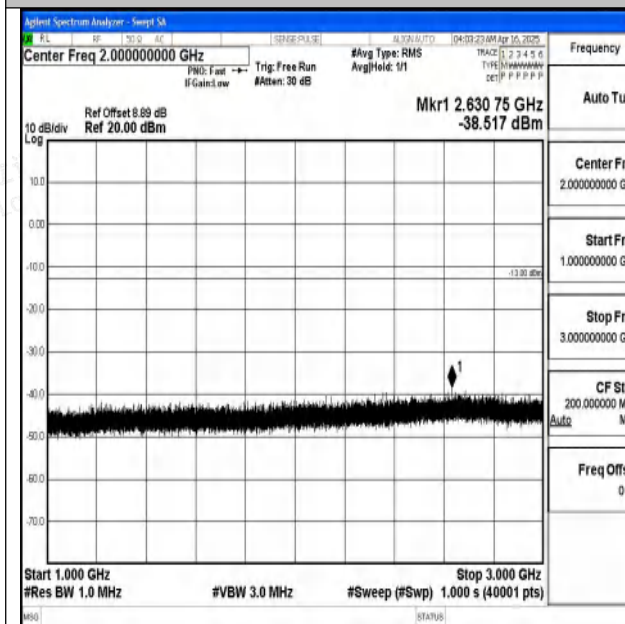
Band12\_10MHz\_16QAM\_23130\_1RB#0\_0.15~30\_0.1

5~30



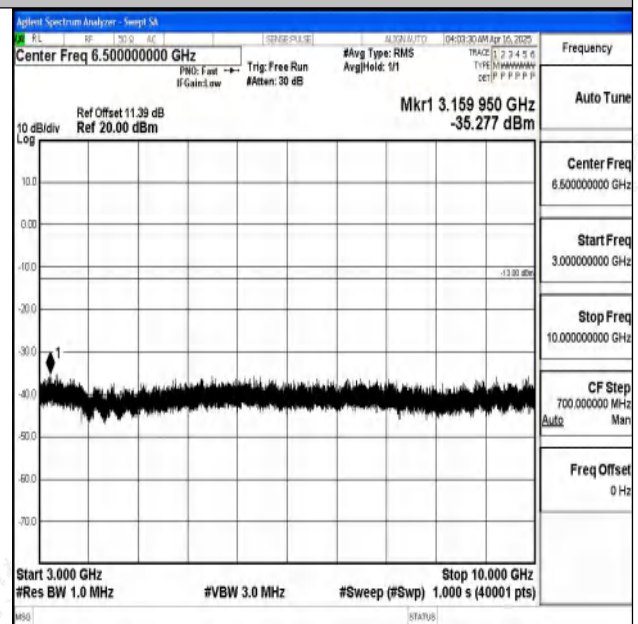
Band12\_10MHz\_16QAM\_23130\_1RB#0\_30~1000\_30~

1000



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

1000~3000



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

3000~10000



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