



Appendix J: Test Data for E-UTRA Band 12

Product Name: Smartphone

Test Model: Vision Plus

Environmental Conditions

| | |
|--------------------|-----------|
| Temperature: | 23.4° C |
| Relative Humidity: | 52.3% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | Ling Zhu |
| Supervised by: | Li Huan |





J.1 Conducted Power Output Data

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band12 | 1.4MHz | QPSK | 23017 | 1RB#0 | 22.79 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 1RB#2 | 22.62 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 1RB#5 | 22.75 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 3RB#0 | 22.95 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 3RB#1 | 22.95 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 3RB#3 | 23.01 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 6RB#0 | 22.32 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 1RB#0 | 22.62 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 1RB#2 | 22.82 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 1RB#5 | 22.77 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 3RB#0 | 22.89 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 3RB#1 | 22.74 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 3RB#3 | 22.81 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 6RB#0 | 22.20 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 1RB#0 | 22.76 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 1RB#2 | 22.84 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 1RB#5 | 22.78 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 3RB#0 | 22.76 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 3RB#1 | 22.80 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 3RB#3 | 22.71 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 6RB#0 | 21.76 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#0 | 22.81 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#2 | 22.80 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#5 | 22.81 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#0 | 22.04 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#1 | 22.05 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#3 | 21.99 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 6RB#0 | 21.56 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#0 | 21.54 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#2 | 22.01 | PASS |





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|--------|--------|-------|-------|--------|-------|------|
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#5 | 21.98 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#0 | 22.17 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#1 | 22.16 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#3 | 22.14 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 6RB#0 | 21.34 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#0 | 22.25 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#2 | 22.35 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#5 | 22.33 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#0 | 21.41 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#1 | 21.41 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#3 | 21.65 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0 | 21.29 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 1RB#0 | 22.83 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 1RB#8 | 22.76 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 1RB#14 | 22.79 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 8RB#0 | 22.29 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 8RB#4 | 22.34 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 8RB#7 | 21.98 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 15RB#0 | 22.29 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 1RB#0 | 22.61 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 1RB#8 | 22.58 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 1RB#14 | 22.77 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 8RB#0 | 21.84 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 8RB#4 | 21.56 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 8RB#7 | 22.08 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 15RB#0 | 22.17 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 1RB#0 | 22.75 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 1RB#8 | 22.85 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 1RB#14 | 22.82 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 8RB#0 | 21.78 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 8RB#4 | 21.66 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 8RB#7 | 21.70 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 15RB#0 | 21.76 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 22.26 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#8 | 22.24 | PASS |





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|--------|------|-------|-------|---------|-------|------|
| Band12 | 3MHz | 16QAM | 23025 | 1RB#14 | 21.90 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#0 | 21.57 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#4 | 21.54 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#7 | 21.52 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 15RB#0 | 21.26 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 21.55 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#8 | 21.92 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#14 | 21.93 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#0 | 21.32 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#4 | 21.33 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#7 | 21.25 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 15RB#0 | 21.07 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 22.30 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#8 | 22.32 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#14 | 22.33 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#0 | 21.23 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#4 | 21.24 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#7 | 21.31 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0 | 21.29 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 1RB#0 | 22.90 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 1RB#12 | 22.84 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 1RB#24 | 22.84 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 12RB#0 | 22.35 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 12RB#6 | 22.36 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 12RB#13 | 21.99 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 25RB#0 | 22.01 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 1RB#0 | 22.79 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 1RB#12 | 22.81 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 1RB#24 | 22.72 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 12RB#0 | 21.64 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 12RB#6 | 21.65 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 12RB#13 | 22.21 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 25RB#0 | 22.28 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 1RB#0 | 22.72 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 1RB#12 | 22.71 | PASS |





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|--------|-------|-------|-------|---------|-------|------|
| Band12 | 5MHz | QPSK | 23155 | 1RB#24 | 22.83 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 12RB#0 | 21.61 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 12RB#6 | 21.65 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 12RB#13 | 21.61 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 25RB#0 | 21.65 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 21.69 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#12 | 21.32 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#24 | 21.09 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#0 | 21.37 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#6 | 21.38 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#13 | 21.28 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 25RB#0 | 21.48 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0 | 21.63 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#12 | 22.01 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#24 | 21.63 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#0 | 21.18 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#6 | 21.24 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#13 | 21.16 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 25RB#0 | 20.99 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#0 | 21.66 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#12 | 21.61 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#24 | 21.64 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 12RB#0 | 21.19 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 12RB#6 | 21.15 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 12RB#13 | 21.18 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 25RB#0 | 21.17 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 1RB#0 | 22.83 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 1RB#24 | 22.73 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 1RB#49 | 22.63 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 25RB#0 | 22.06 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 25RB#12 | 22.09 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 25RB#25 | 21.71 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 50RB#0 | 22.01 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 1RB#0 | 22.83 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 1RB#24 | 22.58 | PASS |





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|--------|-------|-------|-------|---------|-------|------|
| Band12 | 10MHz | QPSK | 23095 | 1RB#49 | 22.61 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 25RB#0 | 21.92 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 25RB#12 | 21.80 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 25RB#25 | 21.54 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 50RB#0 | 22.09 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 1RB#0 | 22.78 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 1RB#24 | 22.74 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 1RB#49 | 22.82 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 25RB#0 | 22.01 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 25RB#12 | 21.99 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 25RB#25 | 21.66 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 50RB#0 | 21.66 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 22.02 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#24 | 21.50 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#49 | 21.69 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#0 | 21.26 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#12 | 21.36 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#25 | 21.09 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | 20.87 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 21.50 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#24 | 21.88 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#49 | 21.44 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#0 | 21.36 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#12 | 21.26 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#25 | 20.61 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | 21.19 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 21.42 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#24 | 21.49 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#49 | 21.60 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#0 | 21.12 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#12 | 21.18 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#25 | 21.21 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | 20.59 | PASS |





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

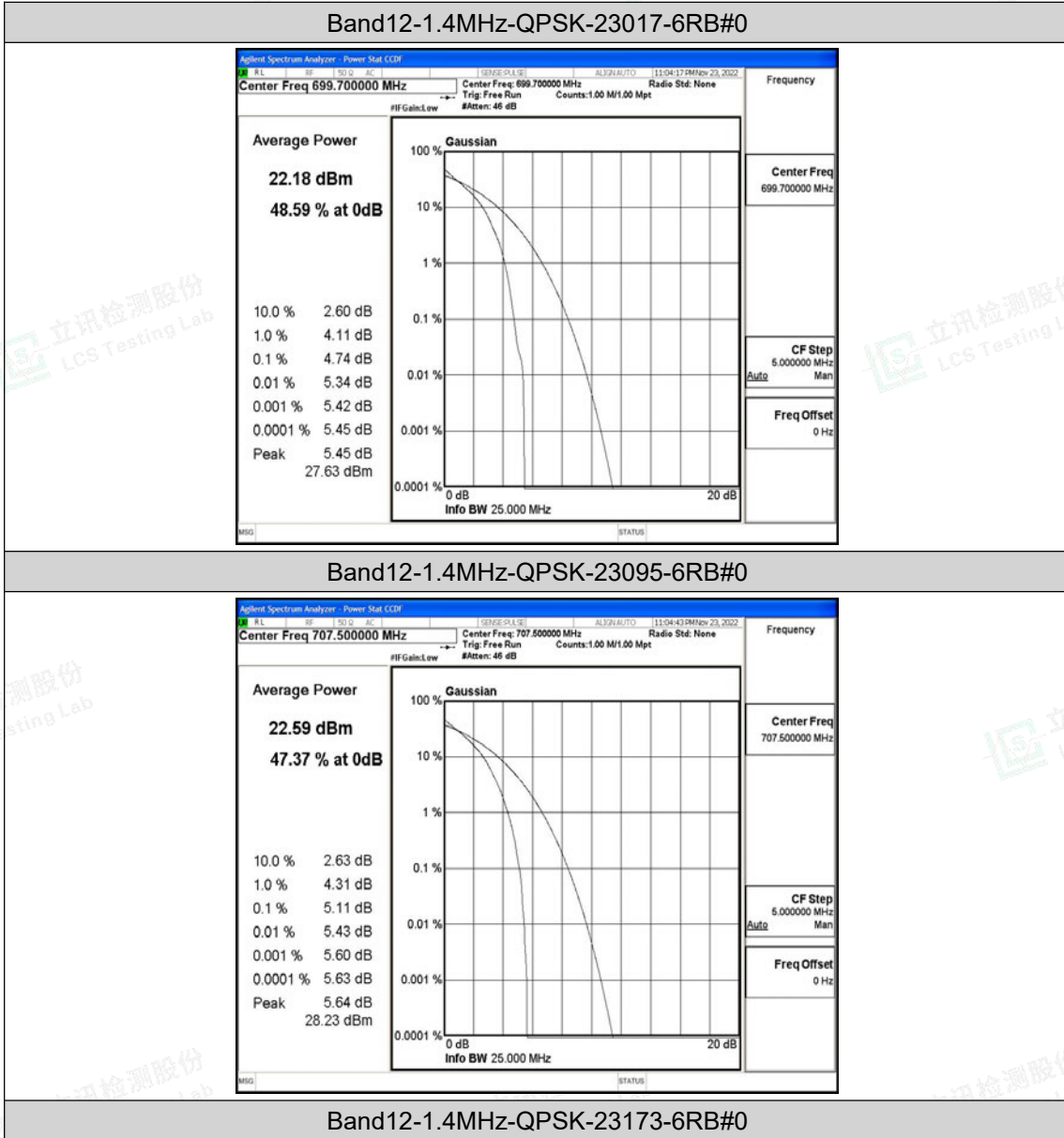
Test Result

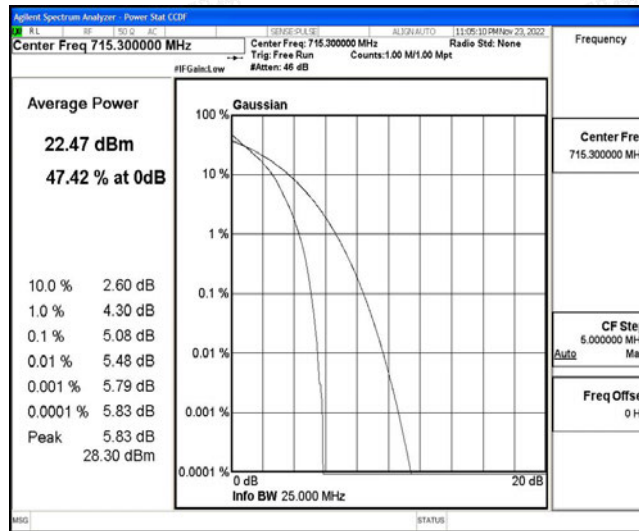
| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band12 | 1.4MHz | QPSK | 23017 | 6RB#0 | 4.74 | 13 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 6RB#0 | 5.11 | 13 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 6RB#0 | 5.08 | 13 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 6RB#0 | 5.45 | 13 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 6RB#0 | 5.86 | 13 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0 | 5.84 | 13 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 15RB#0 | 4.88 | 13 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 15RB#0 | 5.25 | 13 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 15RB#0 | 5.15 | 13 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 15RB#0 | 5.70 | 13 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 15RB#0 | 6.03 | 13 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0 | 5.94 | 13 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 25RB#0 | 5.03 | 13 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 25RB#0 | 5.09 | 13 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 25RB#0 | 5.10 | 13 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 25RB#0 | 5.79 | 13 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 25RB#0 | 5.94 | 13 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 25RB#0 | 5.67 | 13 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 50RB#0 | 5.29 | 13 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 50RB#0 | 5.09 | 13 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 50RB#0 | 5.14 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | 6.16 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | 5.88 | 13 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | 6.02 | 13 | PASS |



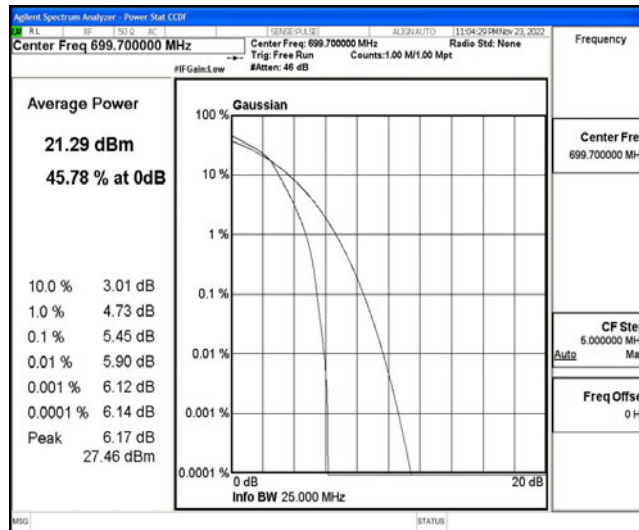


Test Graphs

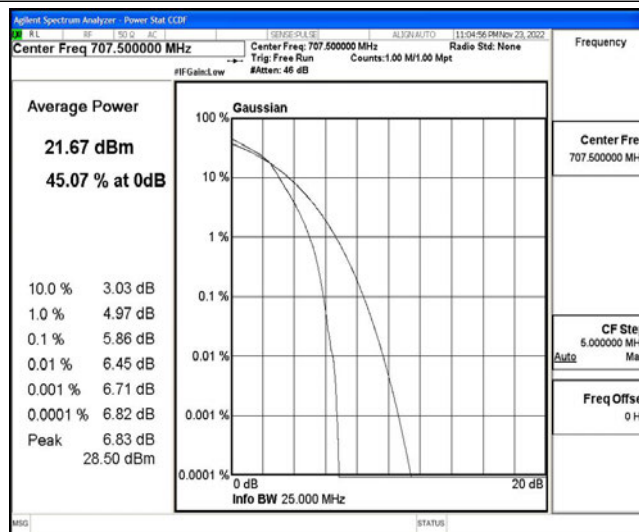




Band12-1.4MHz-16QAM-23017-6RB#0

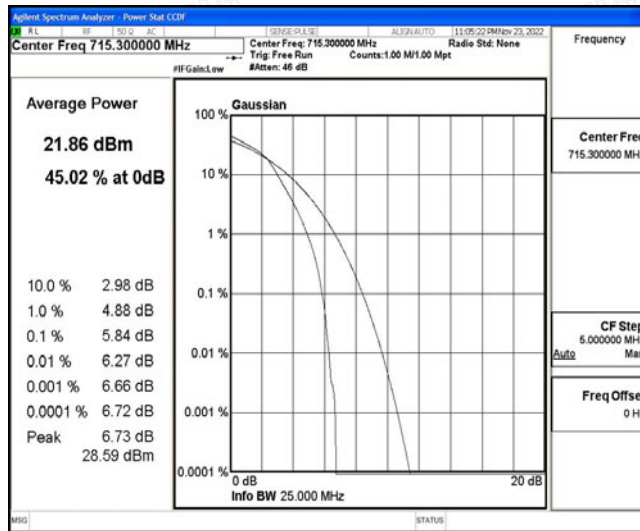


Band12-1.4MHz-16QAM-23095-6RB#0

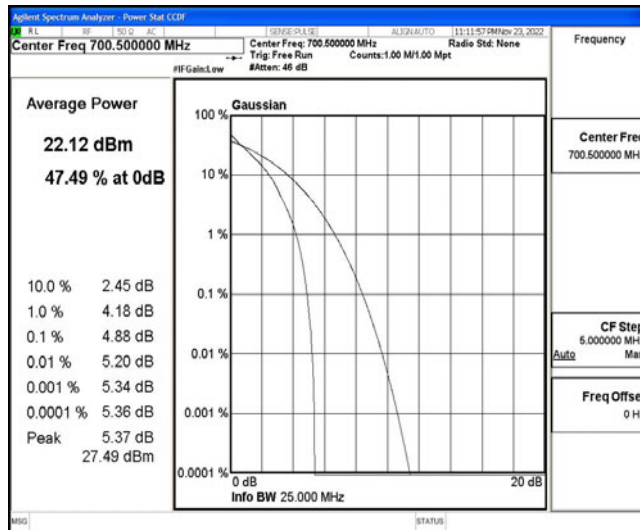


Band12-1.4MHz-16QAM-23173-6RB#0

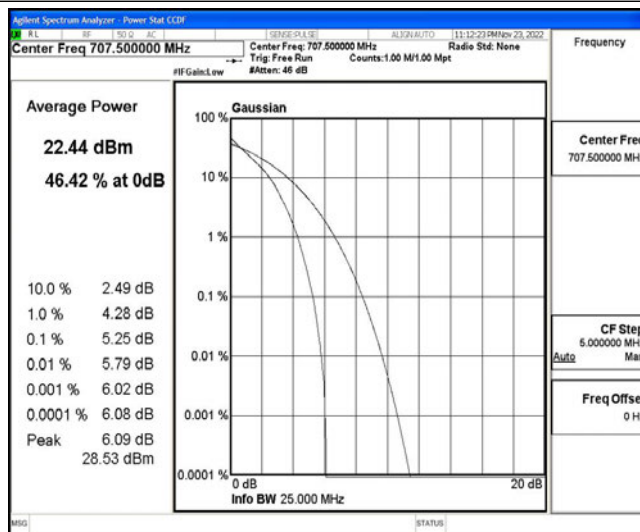




Band12-3MHz-QPSK-23025-15RB#0

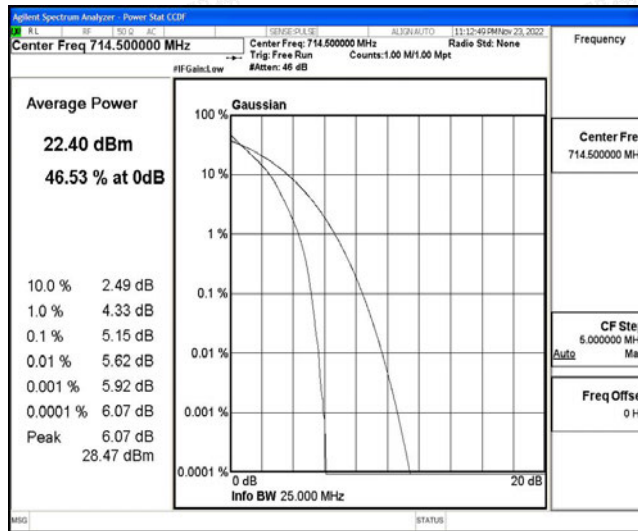


Band12-3MHz-QPSK-23095-15RB#0

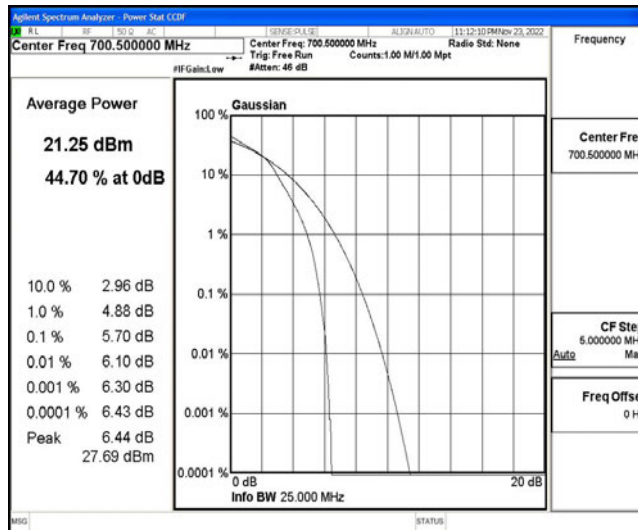


Band12-3MHz-QPSK-23165-15RB#0

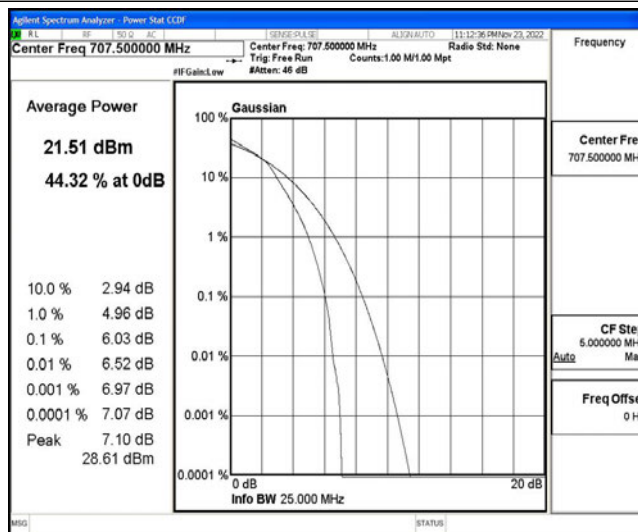




Band12-3MHz-16QAM-23025-15RB#0

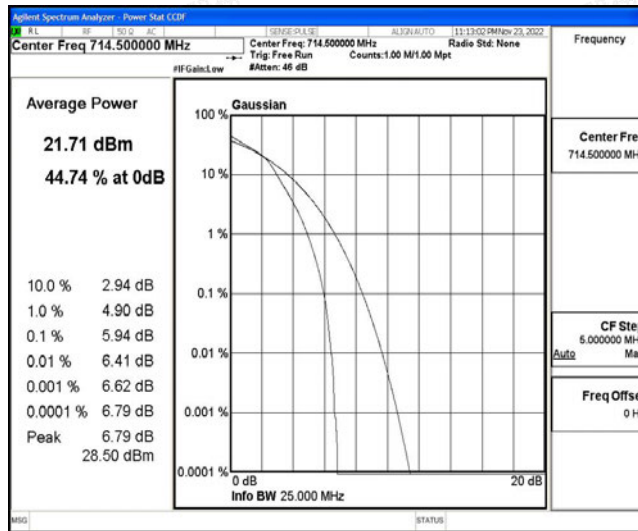


Band12-3MHz-16QAM-23095-15RB#0

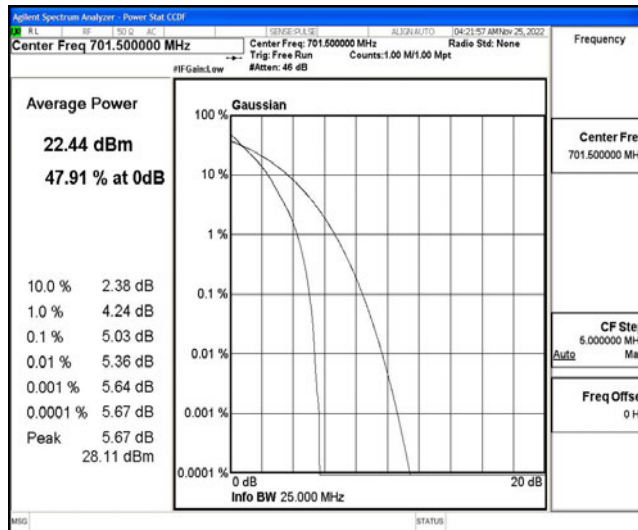


Band12-3MHz-16QAM-23165-15RB#0

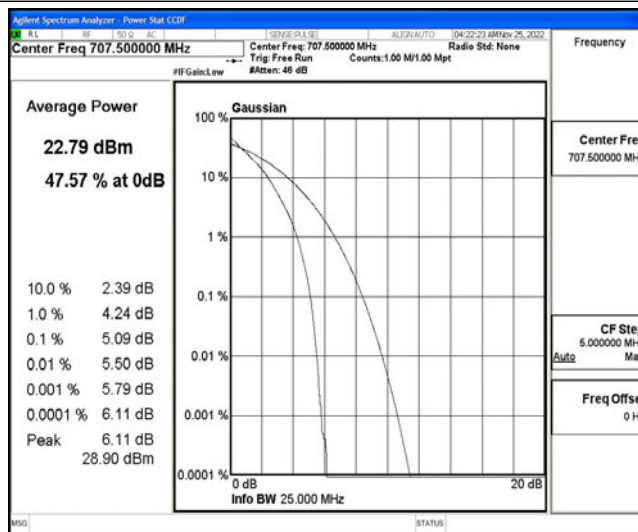




Band12-5MHz-QPSK-23035-25RB#0

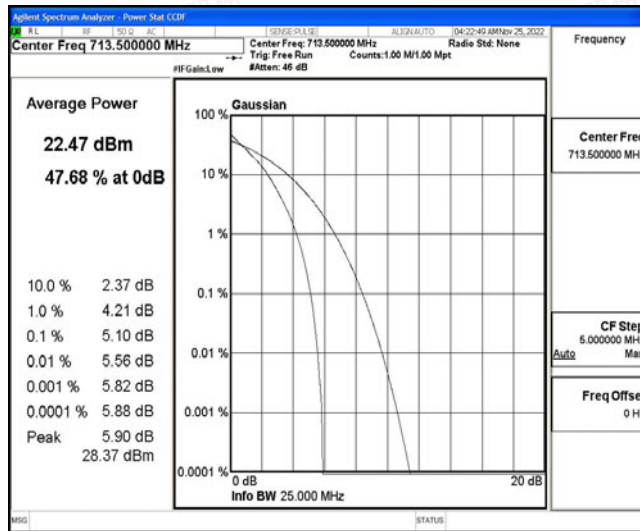


Band12-5MHz-QPSK-23095-25RB#0

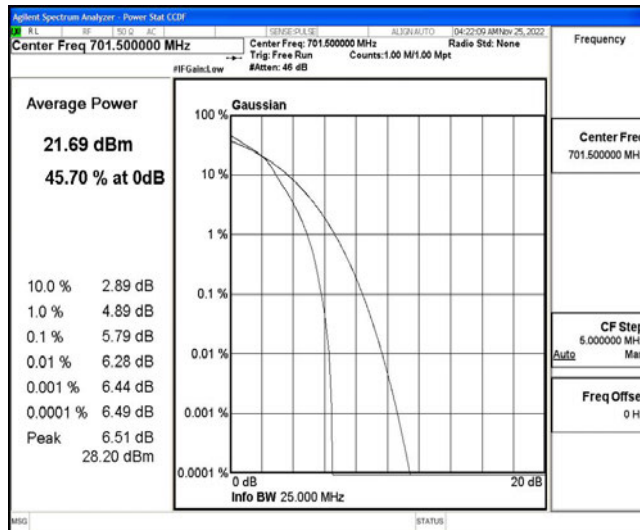


Band12-5MHz-QPSK-23155-25RB#0

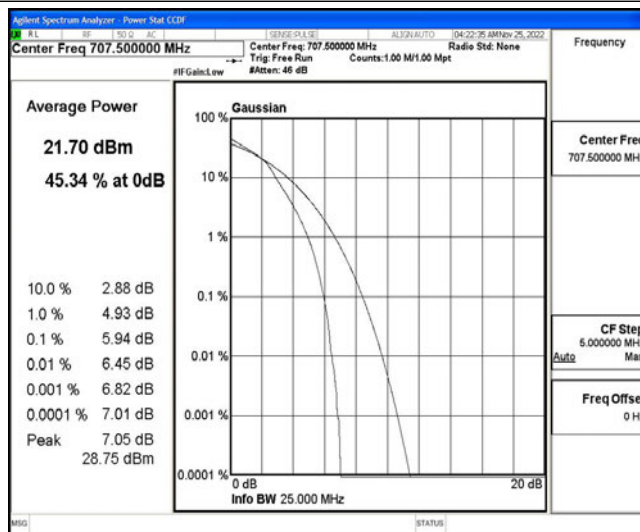




Band12-5MHz-16QAM-23035-25RB#0

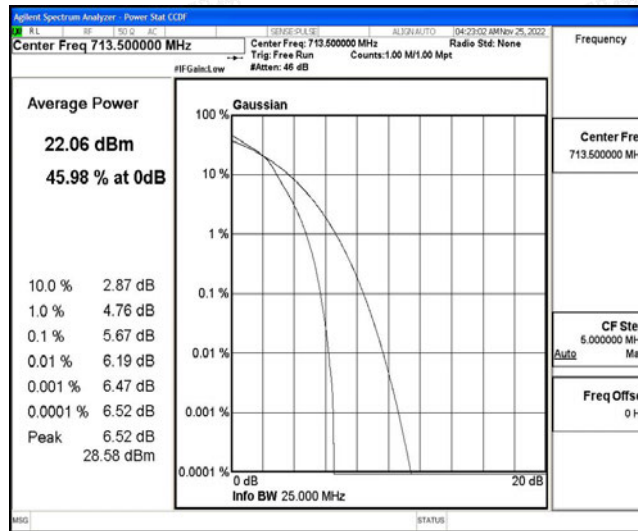


Band12-5MHz-16QAM-23095-25RB#0

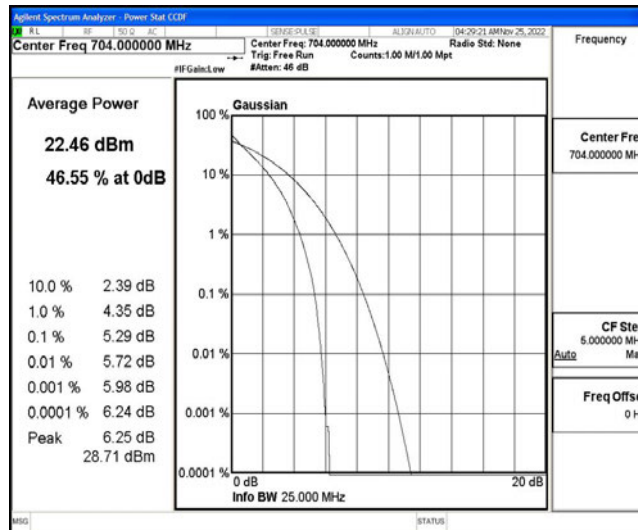


Band12-5MHz-16QAM-23155-25RB#0

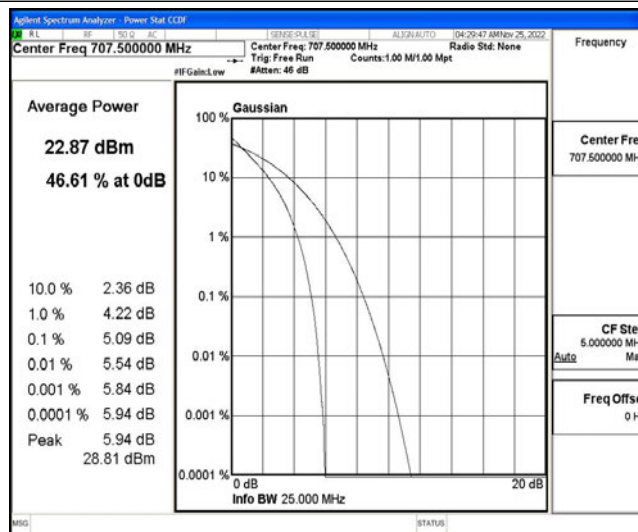




Band12-10MHz-QPSK-23060-50RB#0

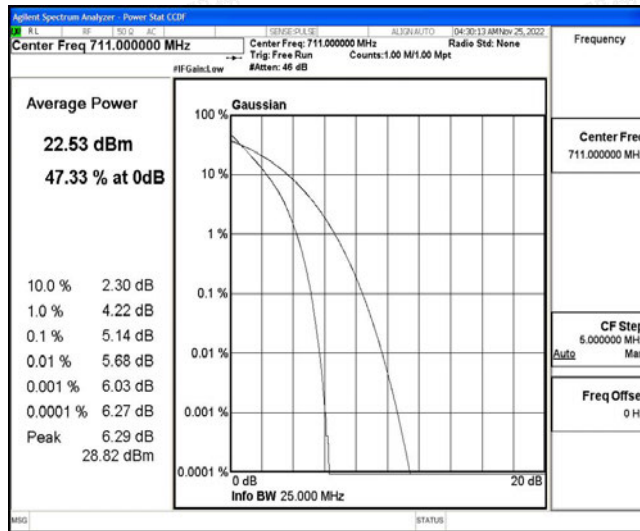


Band12-10MHz-QPSK-23095-50RB#0

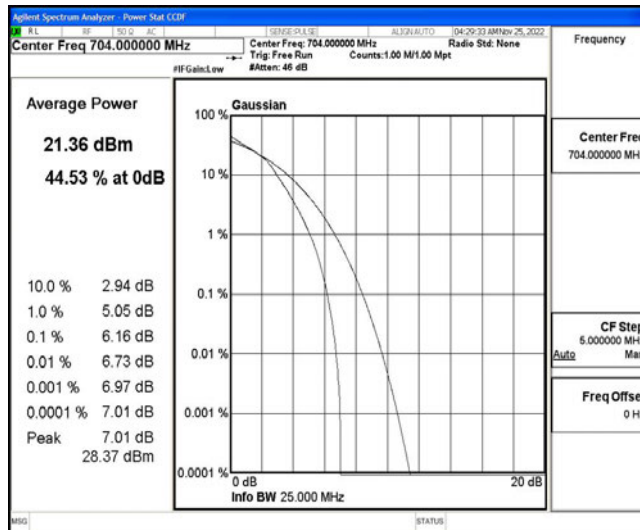


Band12-10MHz-QPSK-23130-50RB#0

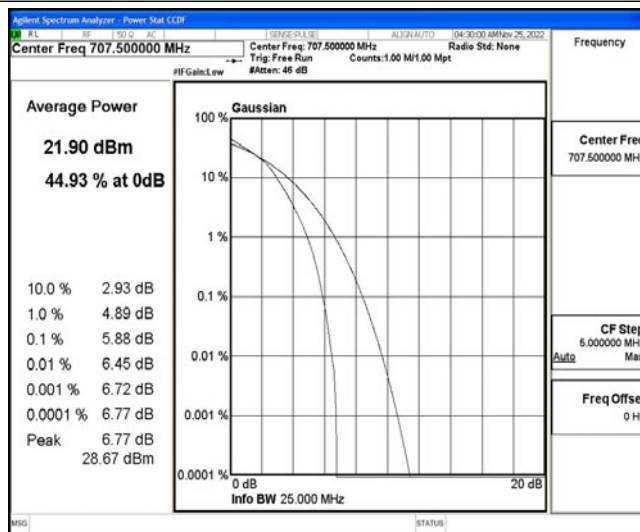




Band12-10MHz-16QAM-23060-50RB#0

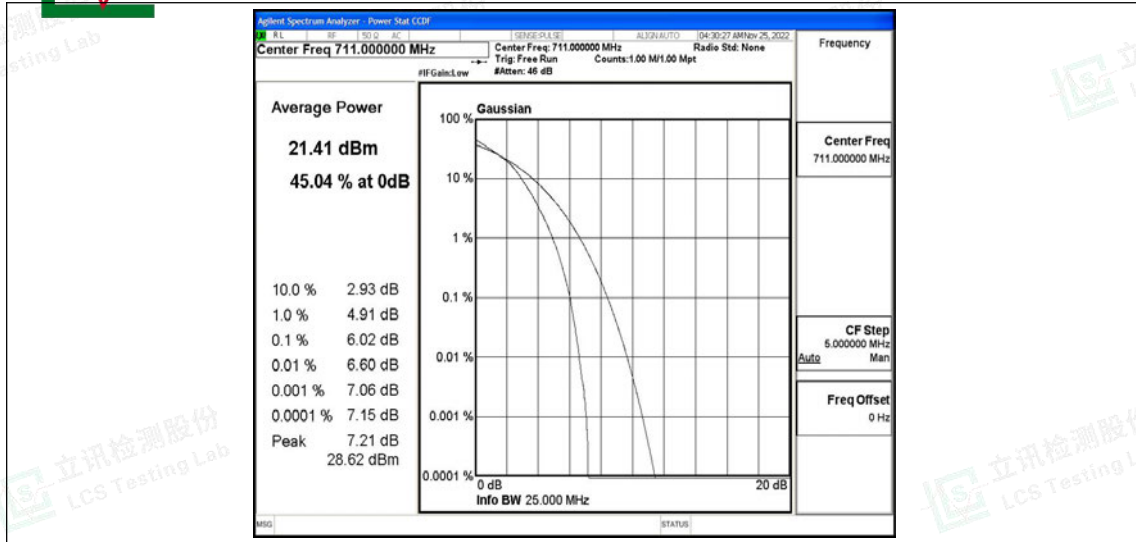


Band12-10MHz-16QAM-23095-50RB#0



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







J.3 26dB Bandwidth and Occupied Bandwidth

Test Result

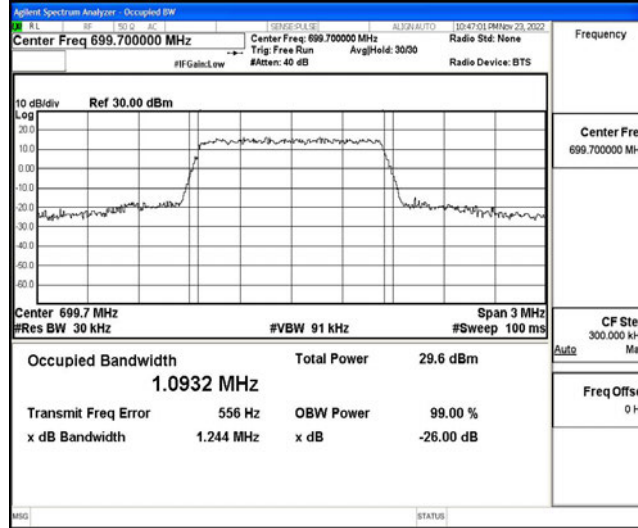
| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band12 | 1.4MHz | QPSK | 23017 | 6RB#0 | 1.0932 | 1.244 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 6RB#0 | 1.0969 | 1.245 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 6RB#0 | 1.0946 | 1.245 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 6RB#0 | 1.1054 | 1.250 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 6RB#0 | 1.1031 | 1.241 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0 | 1.0910 | 1.239 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 15RB#0 | 2.7046 | 3.027 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 15RB#0 | 2.7097 | 3.022 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 15RB#0 | 2.6995 | 3.008 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 15RB#0 | 2.6941 | 3.029 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 15RB#0 | 2.7113 | 3.024 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0 | 2.6963 | 3.036 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 25RB#0 | 4.5238 | 4.962 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 25RB#0 | 4.5099 | 4.988 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 25RB#0 | 4.5057 | 4.990 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 25RB#0 | 4.5033 | 4.957 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 25RB#0 | 4.5268 | 4.988 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 25RB#0 | 4.5204 | 4.981 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 50RB#0 | 8.9997 | 9.942 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 50RB#0 | 9.0245 | 9.898 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 50RB#0 | 8.9673 | 9.878 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | 9.0109 | 9.896 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | 9.0009 | 9.917 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | 8.9694 | 9.865 | PASS |



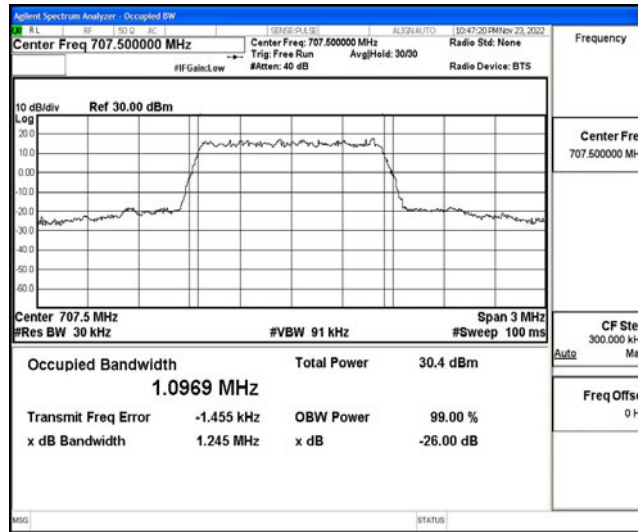


Test Graphs

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

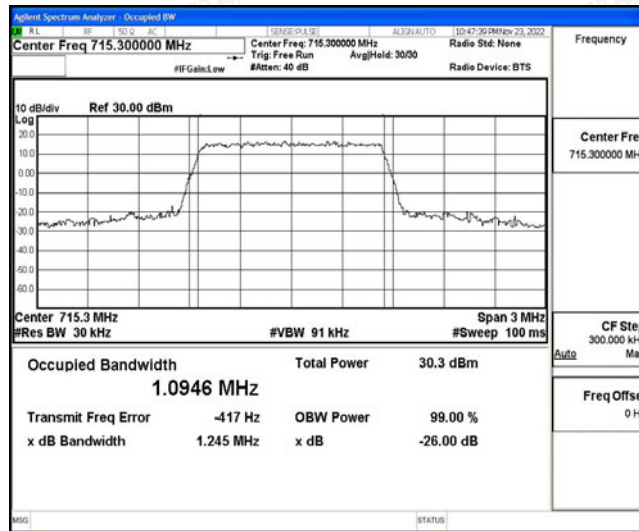


Band12-1.4MHz-QPSK-23095-6RB#0

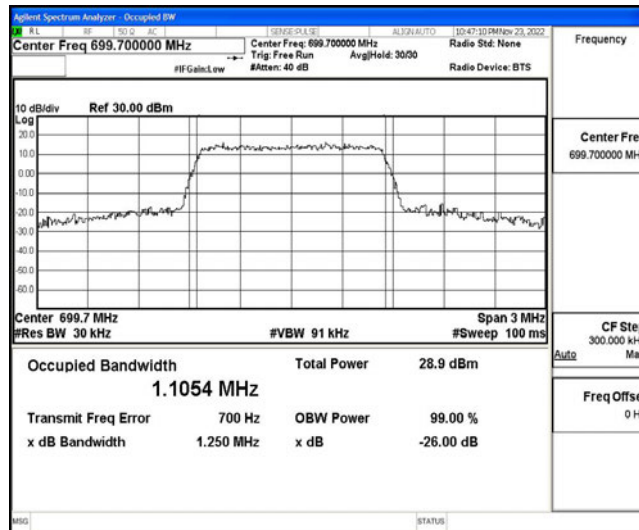


Band12-1.4MHz-QPSK-23173-6RB#0

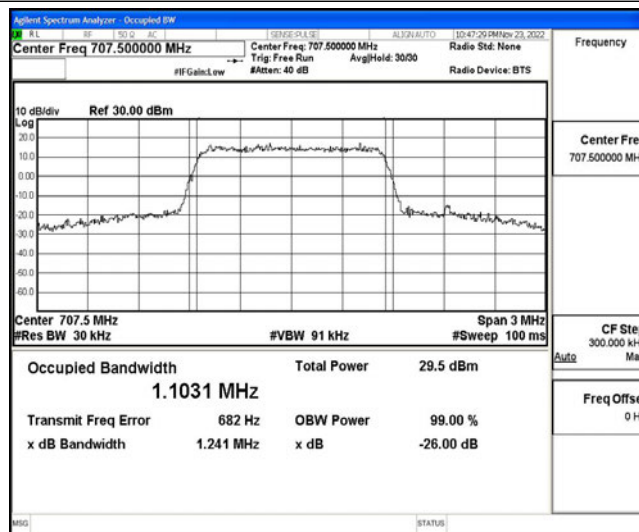




Band12-1.4MHz-16QAM-23017-6RB#0

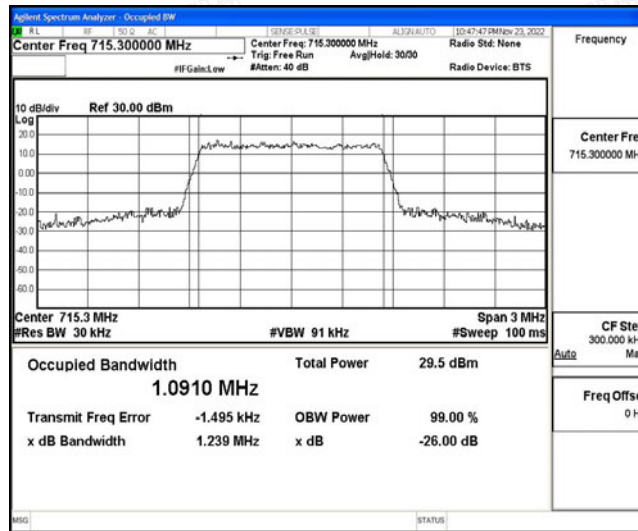


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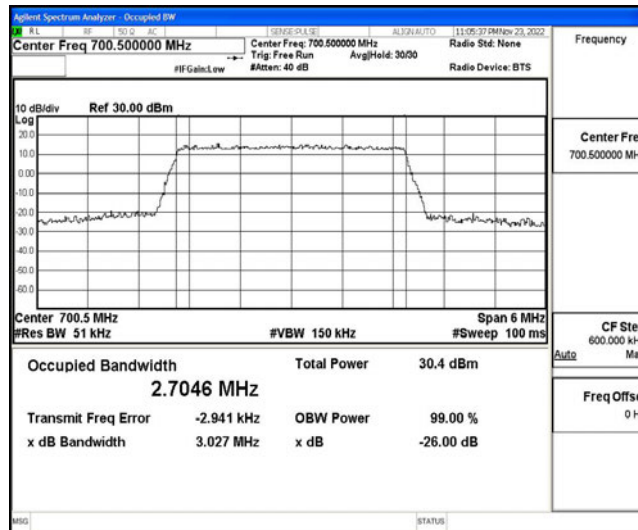


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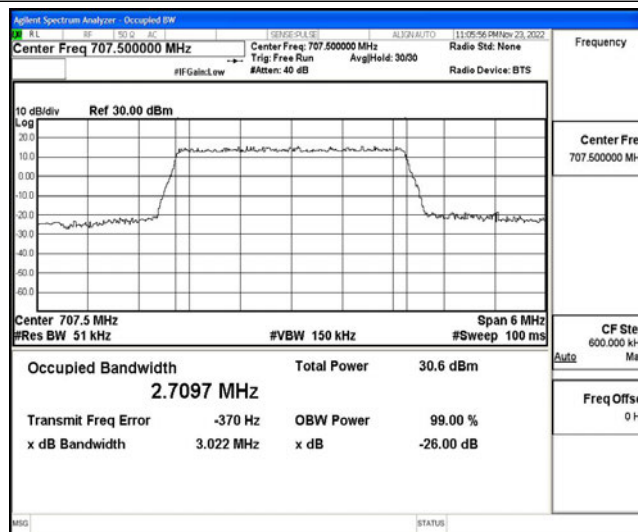




Band12-3MHz-QPSK-23025-15RB#0

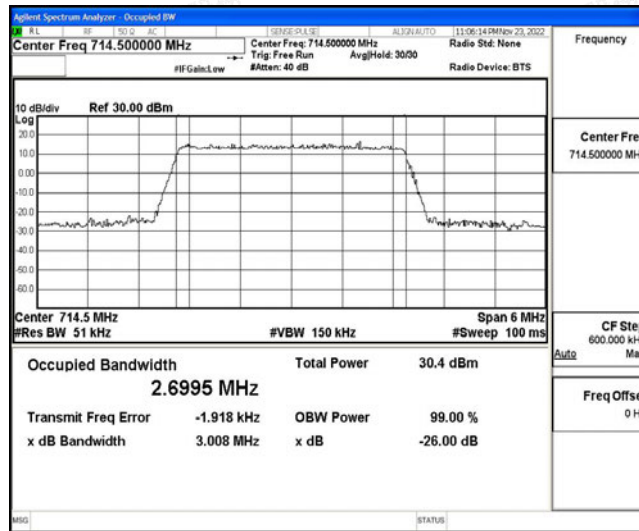


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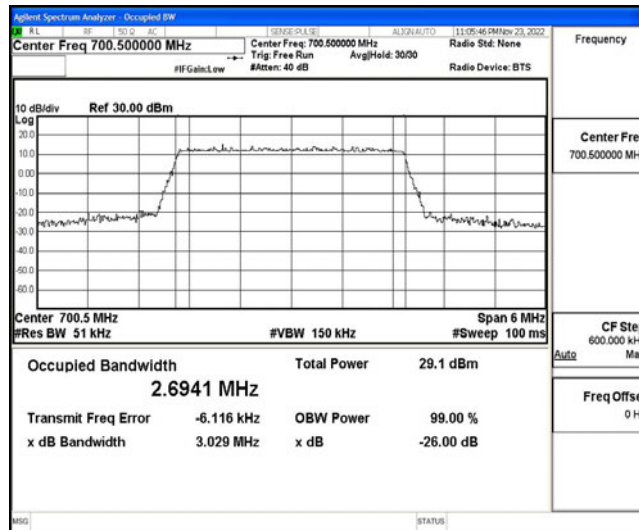


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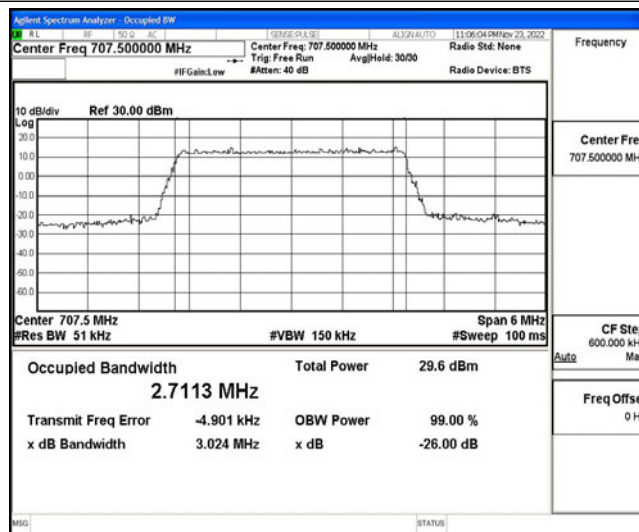




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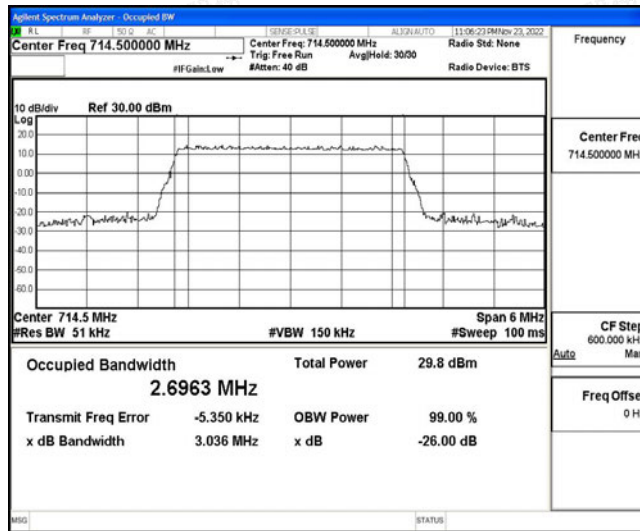


Band12-3MHz-16QAM-23095-15RB#0

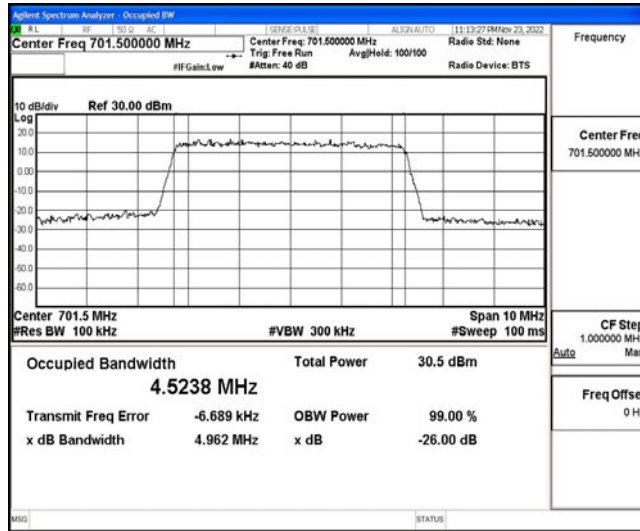


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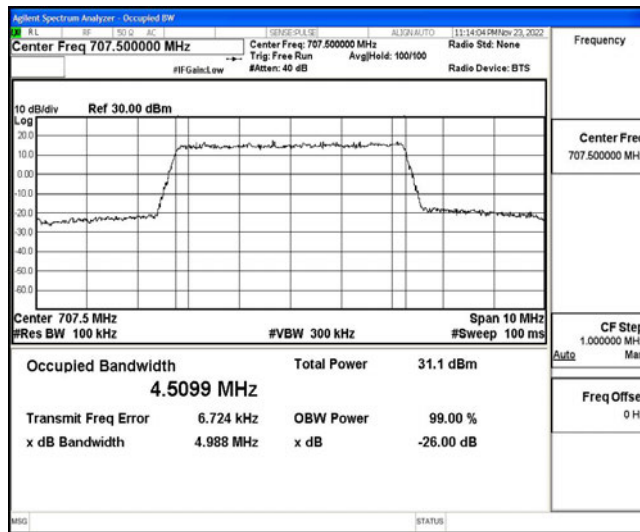




Band12-5MHz-QPSK-23035-25RB#0

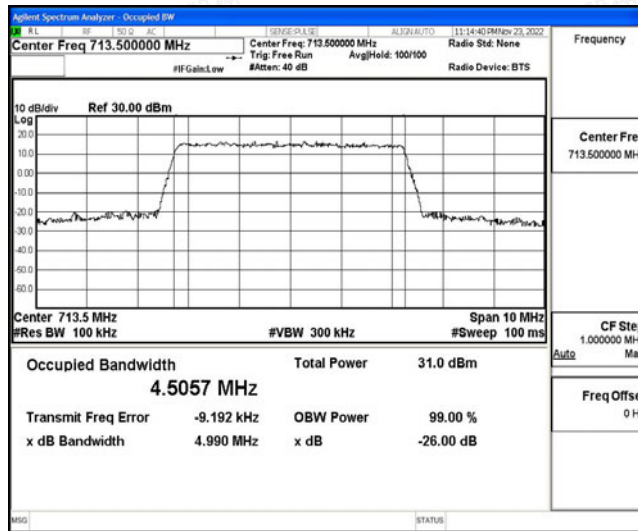


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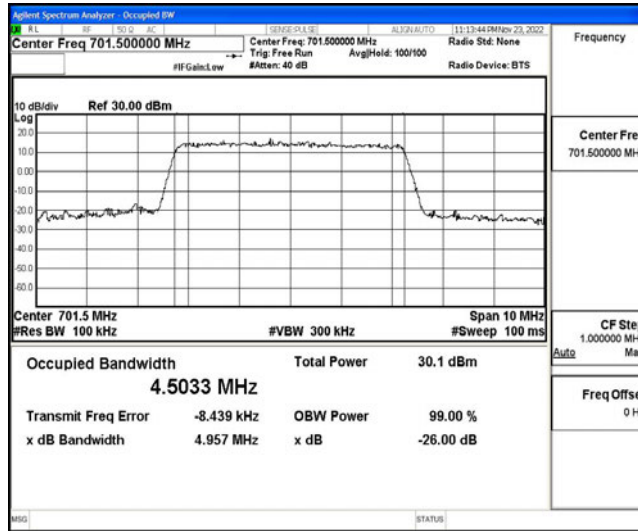


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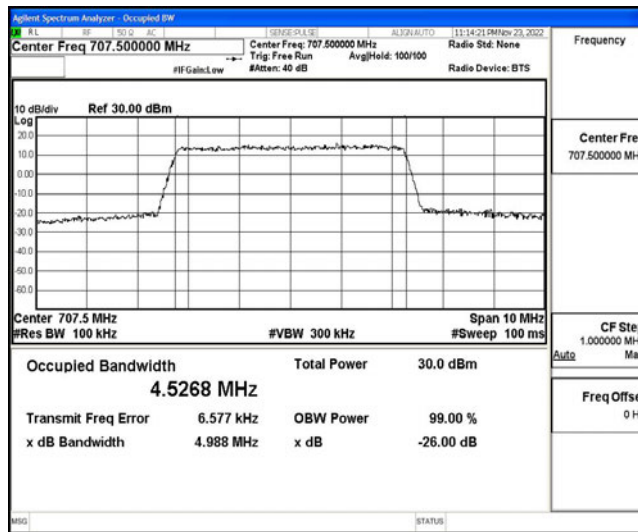




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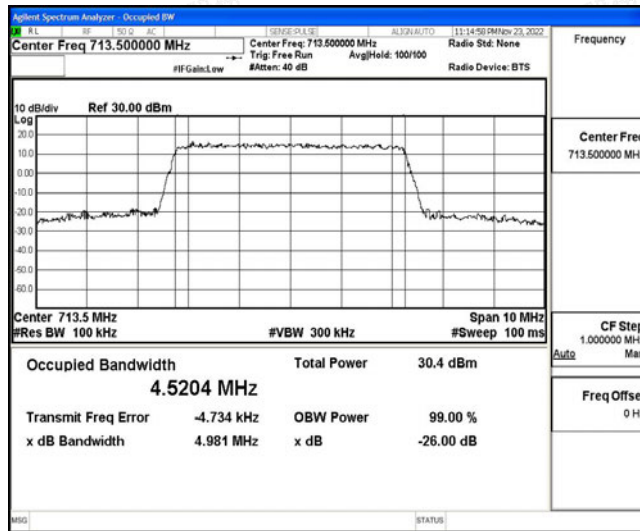


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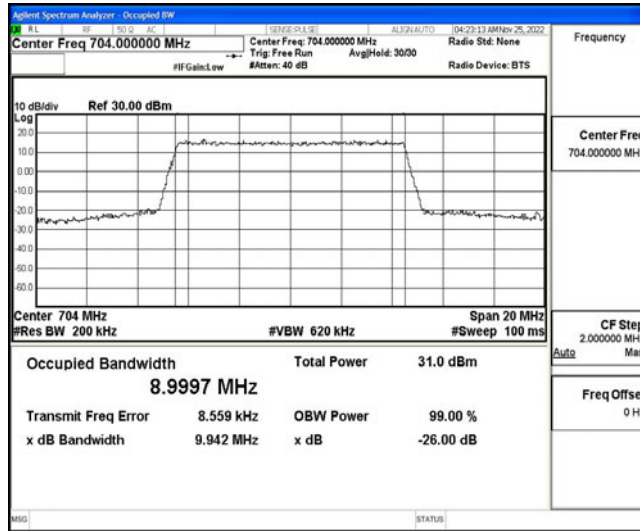


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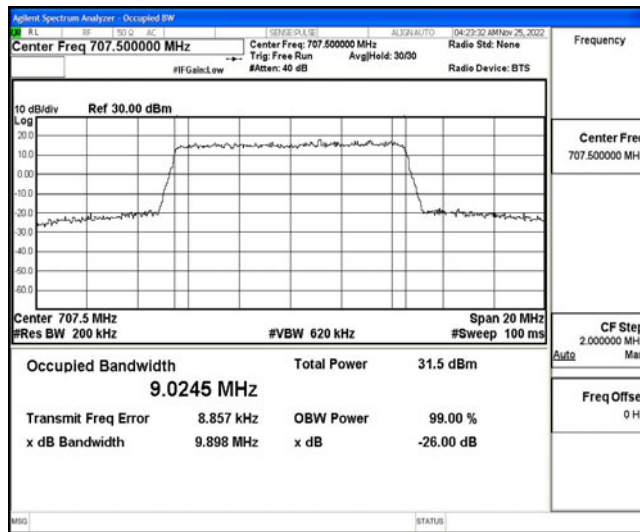




Band12-10MHz-QPSK-23060-50RB#0

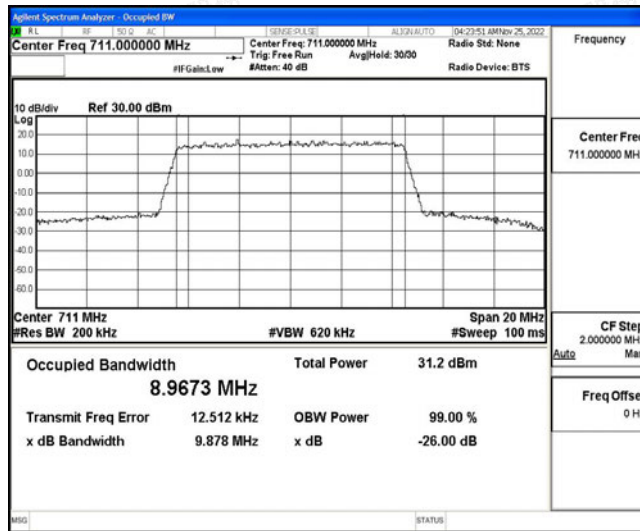


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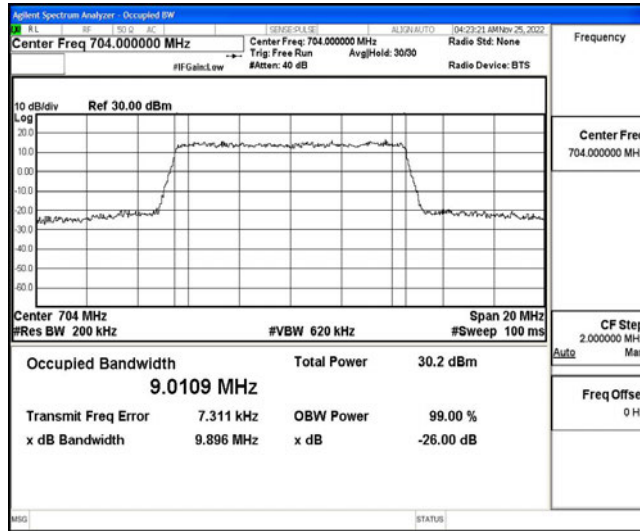


Band12-10MHz-QPSK-23130-50RB#0

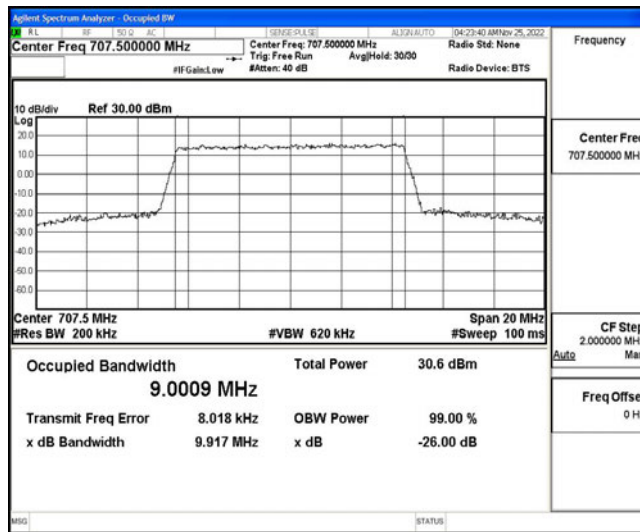




Band12-10MHz-16QAM-23060-50RB#0

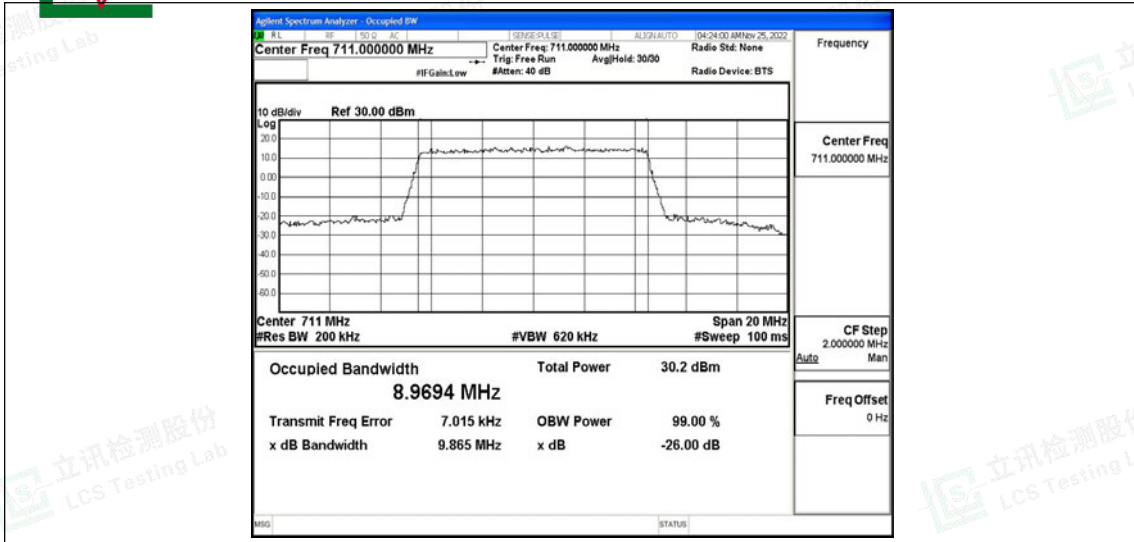


Band12-10MHz-16QAM-23095-50RB#0



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





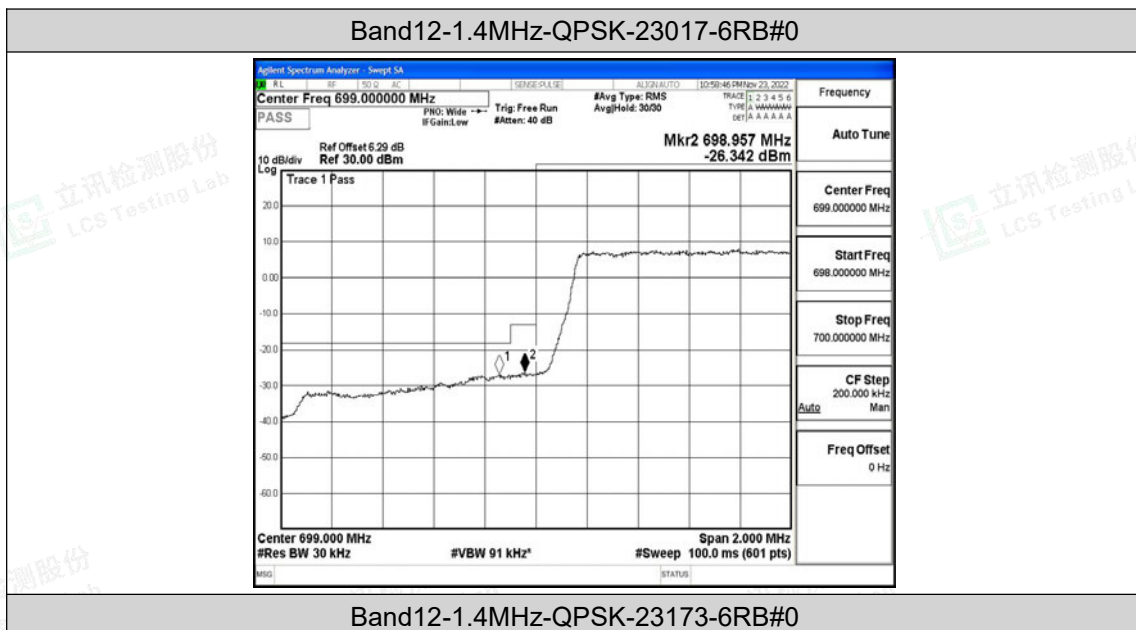


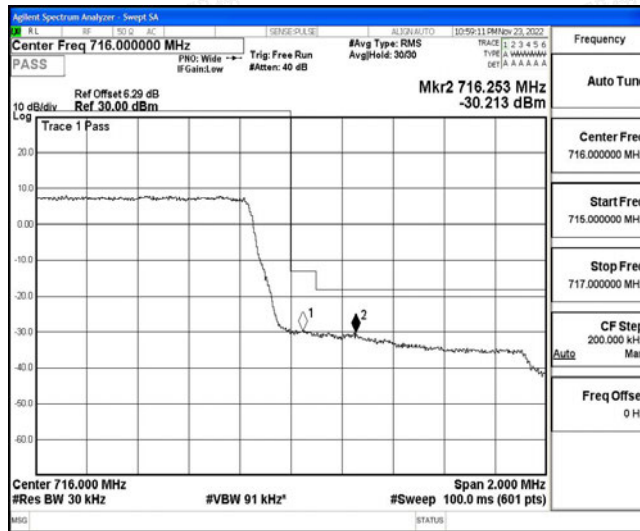
J.4 Band Edge

Test Result

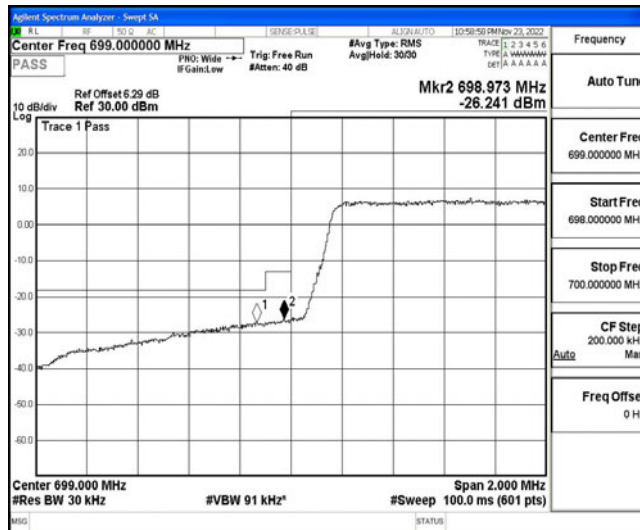
| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|---------------|---------|
| Band12 | 1.4MHz | QPSK | 23017 | 6RB#0 | -26.90,-26.34 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 6RB#0 | -29.60,-30.21 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 6RB#0 | -27.20,-26.24 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0 | -29.13,-29.77 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 15RB#0 | -29.22,-21.74 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 15RB#0 | -22.50,-32.41 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 15RB#0 | -29.65,-22.31 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0 | -23.13,-31.98 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 25RB#0 | -25.25 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 25RB#0 | -25.92 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 25RB#0 | -26.08 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 25RB#0 | -26.44 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 50RB#0 | -29.62,-28.03 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 50RB#0 | -27.01,-28.70 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | -30.10,-28.59 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | -28.39,-29.92 | PASS |

Test Graphs

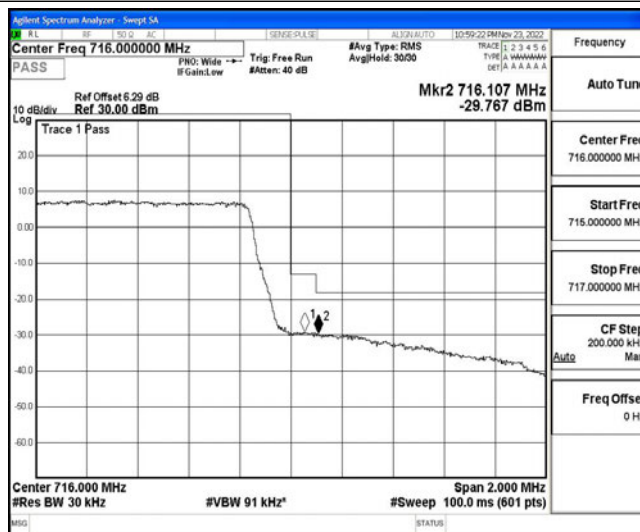




Band12-1.4MHz-16QAM-23017-6RB#0

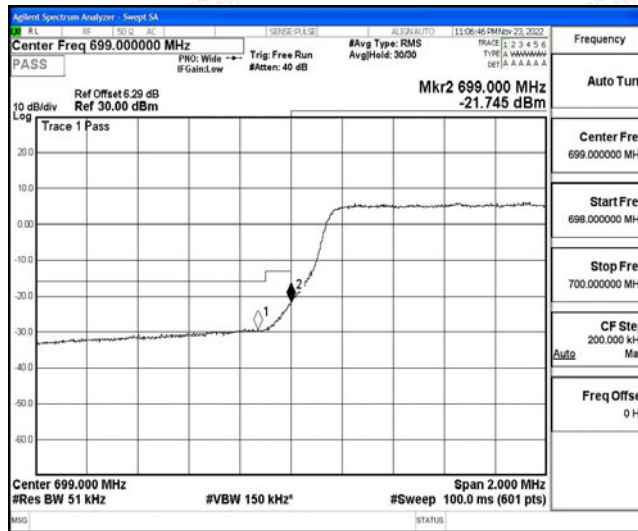


Band12-1.4MHz-16QAM-23173-6RB#0

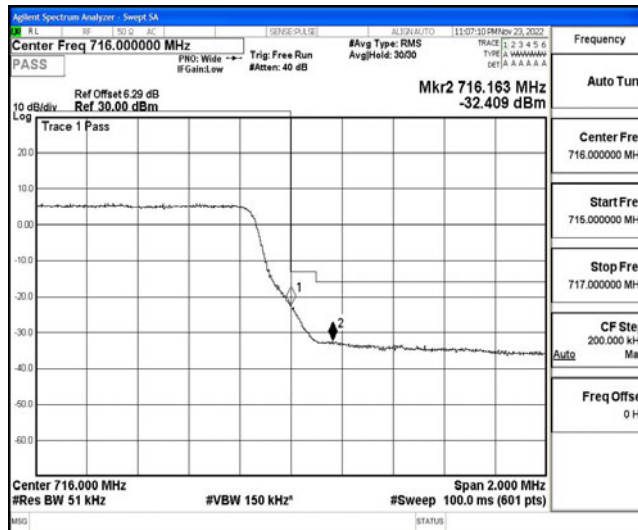


Band12-3MHz-QPSK-23025-15RB#0

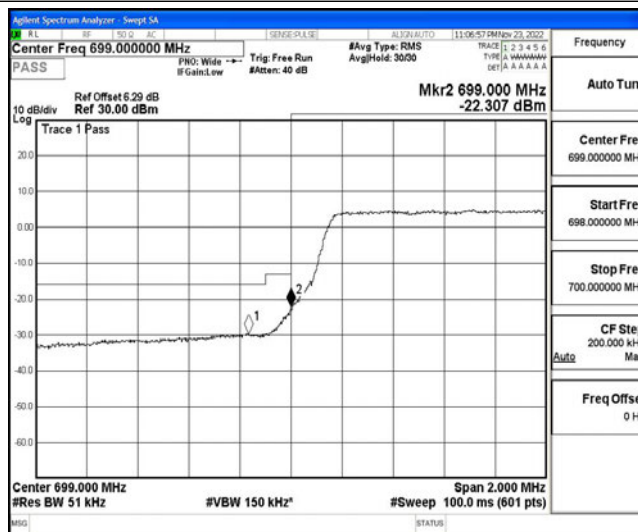




Band12-3MHz-QPSK-23165-15RB#0

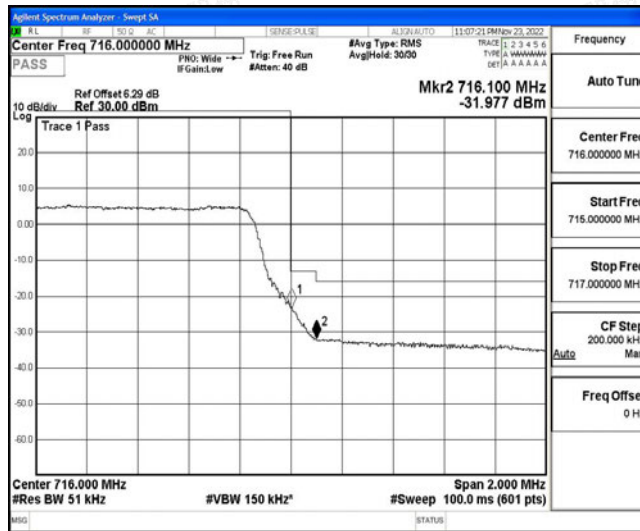


Band12-3MHz-16QAM-23025-15RB#0

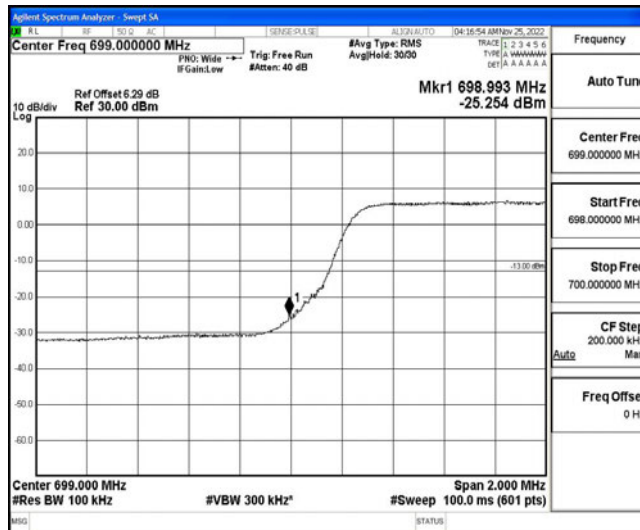


Band12-3MHz-16QAM-23165-15RB#0

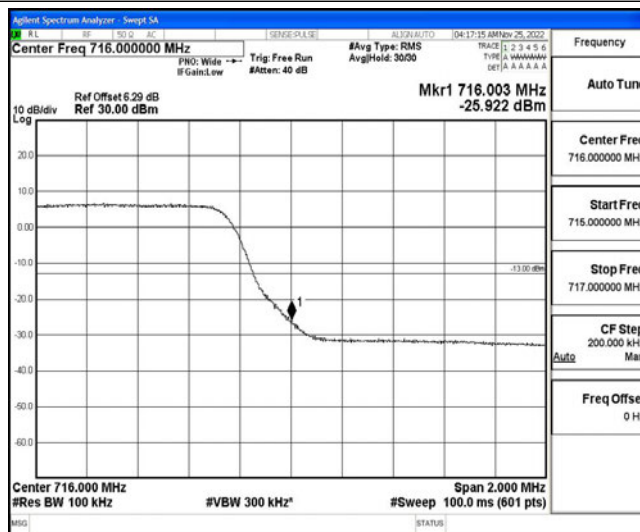




Band12-5MHz-QPSK-23035-25RB#0

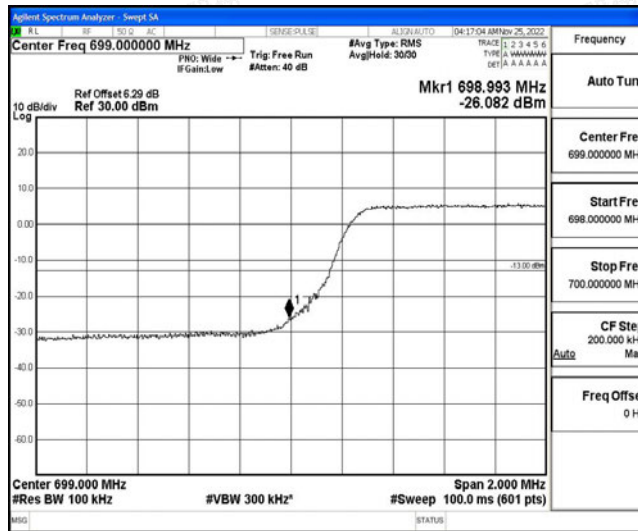


Band12-5MHz-QPSK-23155-25RB#0

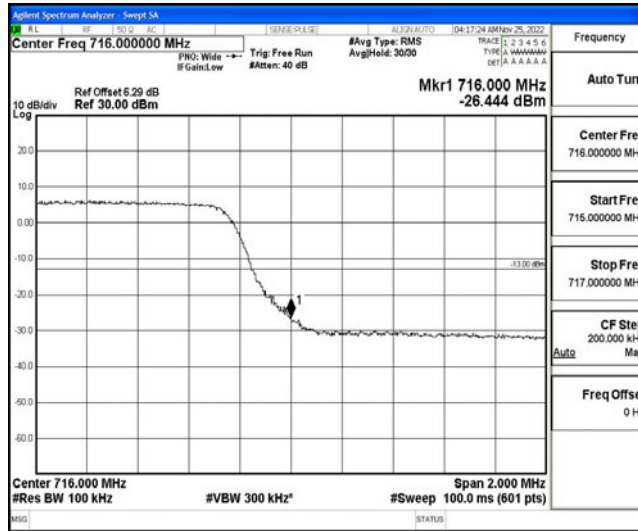


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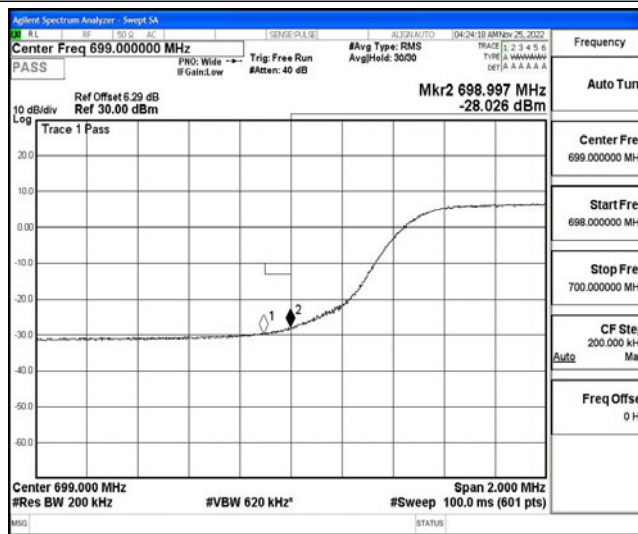




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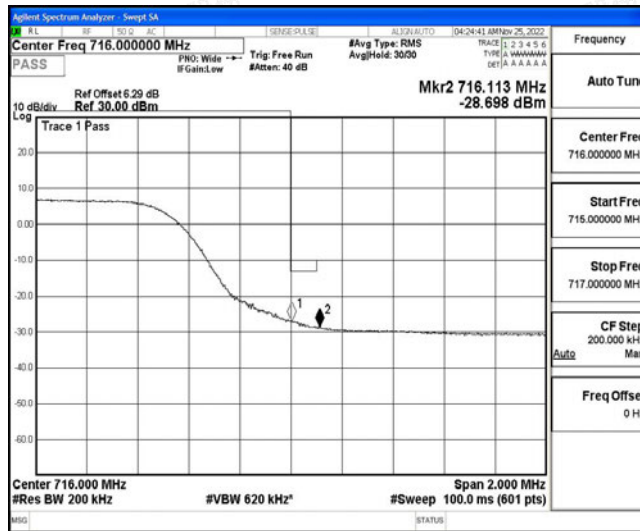


Band12-10MHz-QPSK-23060-50RB#0

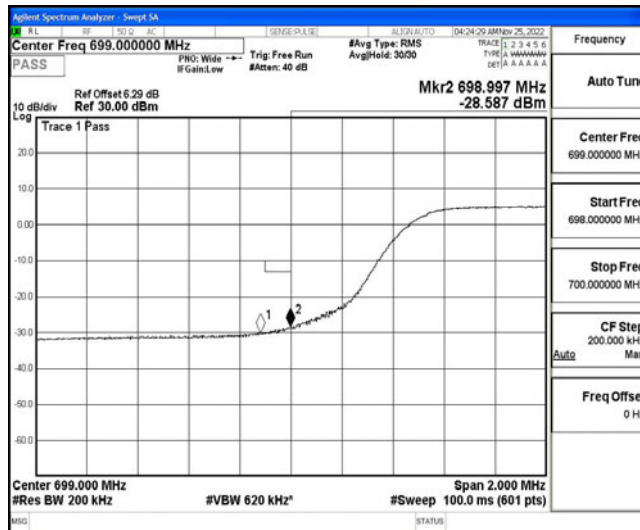


Band12-10MHz-QPSK-23130-50RB#0

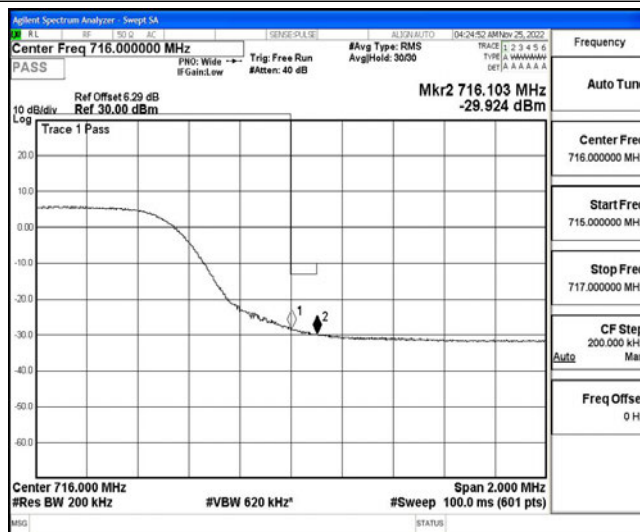




Band12-10MHz-16QAM-23060-50RB#0



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







J.5 Conducted Spurious Emission

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range | Result (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|----------------------|--------------|---------|
| Band12 | 1.4MHz | QPSK | 23017 | 1RB#0 | Range1:0.009~0.15MHz | -54.88 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 1RB#0 | Range2:0.15~30MHz | -51.09 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 1RB#0 | Range3:30~1000MHz | -40.47 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 1RB#0 | Range4:1000~10000MHz | -45.02 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 1RB#0 | Range1:0.009~0.15MHz | -56.34 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 1RB#0 | Range2:0.15~30MHz | -49.07 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 1RB#0 | Range3:30~1000MHz | -40.04 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 1RB#0 | Range4:1000~10000MHz | -44.97 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 1RB#0 | Range1:0.009~0.15MHz | -55.02 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 1RB#0 | Range2:0.15~30MHz | -50.63 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 1RB#0 | Range3:30~1000MHz | -39.16 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 1RB#0 | Range4:1000~10000MHz | -44.95 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#0 | Range1:0.009~0.15MHz | -56.3 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#0 | Range2:0.15~30MHz | -50.38 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#0 | Range3:30~1000MHz | -40.93 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#0 | Range4:1000~10000MHz | -44.86 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#0 | Range1:0.009~0.15MHz | -55.49 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#0 | Range2:0.15~30MHz | -49.24 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#0 | Range3:30~1000MHz | -39.2 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#0 | Range4:1000~10000MHz | -44.92 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#0 | Range1:0.009~0.15MHz | -55.48 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#0 | Range2:0.15~30MHz | -50.25 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#0 | Range3:30~1000MHz | -40.73 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#0 | Range4:1000~10000MHz | -44.97 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 1RB#0 | Range1:0.009~0.15MHz | -55.33 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 1RB#0 | Range2:0.15~30MHz | -52.6 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 1RB#0 | Range3:30~1000MHz | -40.66 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 1RB#0 | Range4:1000~10000MHz | -44.92 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 1RB#0 | Range1:0.009~0.15MHz | -55.11 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 1RB#0 | Range2:0.15~30MHz | -50.71 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 1RB#0 | Range3:30~1000MHz | -40.93 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 1RB#0 | Range4:1000~10000MHz | -44.95 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 1RB#0 | Range1:0.009~0.15MHz | -52.15 | PASS |





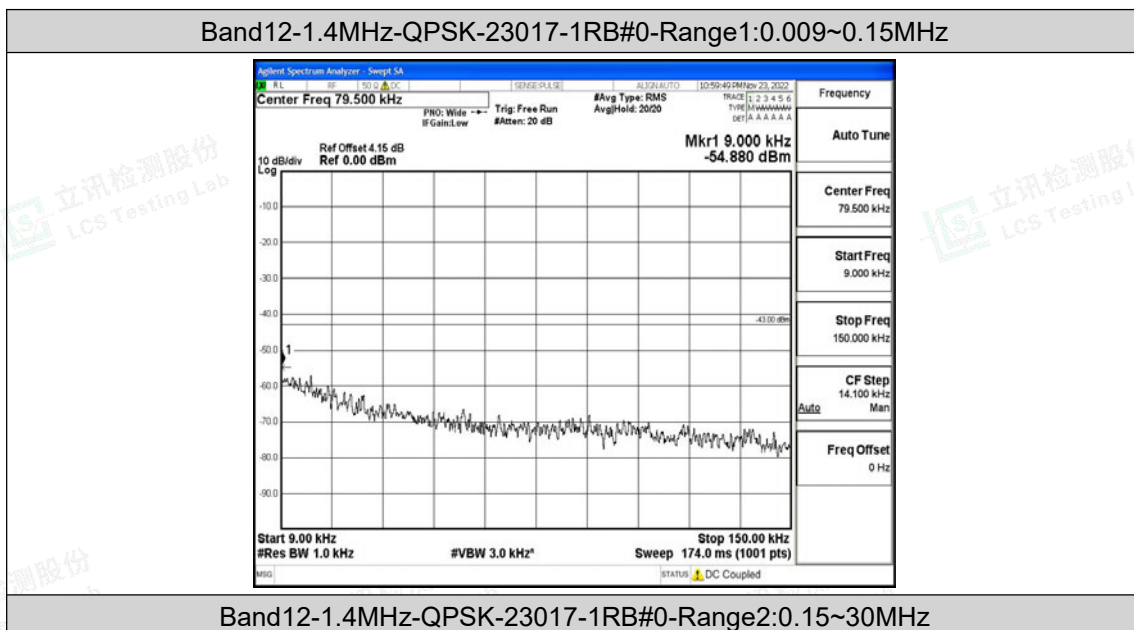
| | | | | | | | |
|--------|-------|-------|-------|-------|----------------------|--------|------|
| Band12 | 3MHz | QPSK | 23165 | 1RB#0 | Range2:0.15~30MHz | -50.44 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 1RB#0 | Range3:30~1000MHz | -41.37 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 1RB#0 | Range4:1000~10000MHz | -44.97 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | Range1:0.009~0.15MHz | -54.99 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | Range2:0.15~30MHz | -51.47 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | Range3:30~1000MHz | -40.34 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | Range4:1000~10000MHz | -44.93 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | Range1:0.009~0.15MHz | -56.6 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | Range2:0.15~30MHz | -50.76 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | Range3:30~1000MHz | -40.99 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | Range4:1000~10000MHz | -45.04 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | Range1:0.009~0.15MHz | -55.01 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | Range2:0.15~30MHz | -50.7 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | Range3:30~1000MHz | -40.55 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | Range4:1000~10000MHz | -44.83 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 1RB#0 | Range1:0.009~0.15MHz | -55.7 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 1RB#0 | Range2:0.15~30MHz | -50.94 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 1RB#0 | Range3:30~1000MHz | -41.4 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 1RB#0 | Range4:1000~10000MHz | -44.95 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 1RB#0 | Range1:0.009~0.15MHz | -55.85 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 1RB#0 | Range2:0.15~30MHz | -51.12 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 1RB#0 | Range3:30~1000MHz | -40.87 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 1RB#0 | Range4:1000~10000MHz | -44.88 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 1RB#0 | Range1:0.009~0.15MHz | -55.4 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 1RB#0 | Range2:0.15~30MHz | -52.3 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 1RB#0 | Range3:30~1000MHz | -40.18 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 1RB#0 | Range4:1000~10000MHz | -44.98 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | Range1:0.009~0.15MHz | -55.17 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | Range2:0.15~30MHz | -51.47 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | Range3:30~1000MHz | -40.43 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | Range4:1000~10000MHz | -45.01 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0 | Range1:0.009~0.15MHz | -55.18 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0 | Range2:0.15~30MHz | -51.57 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0 | Range3:30~1000MHz | -40 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0 | Range4:1000~10000MHz | -45.07 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#0 | Range1:0.009~0.15MHz | -54.81 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#0 | Range2:0.15~30MHz | -51.44 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#0 | Range3:30~1000MHz | -40.43 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#0 | Range4:1000~10000MHz | -45.03 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 1RB#0 | Range1:0.009~0.15MHz | -55.8 | PASS |

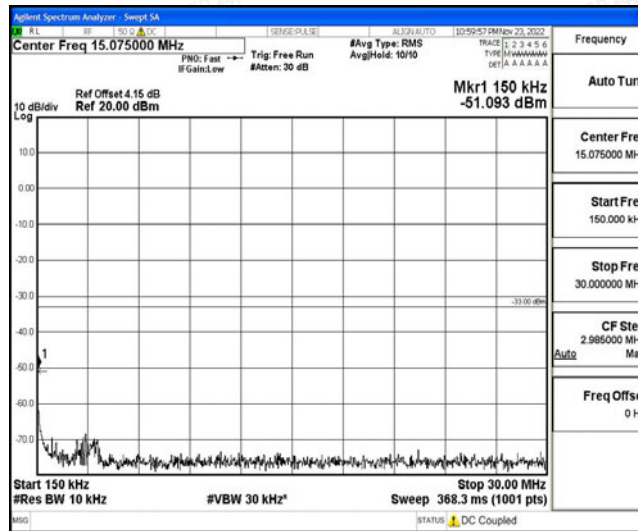




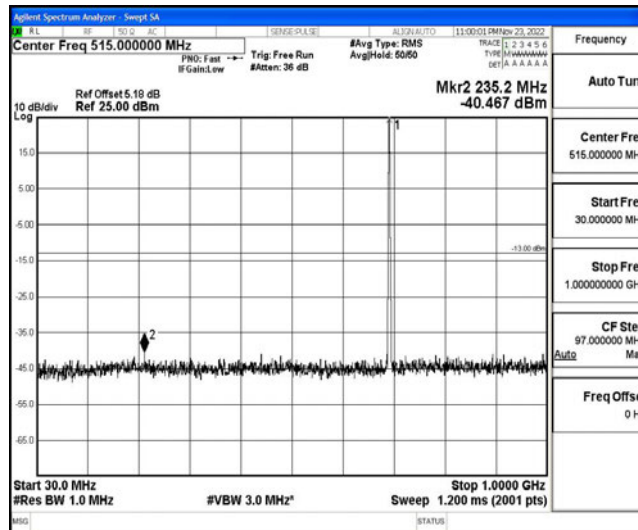
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|--------|-------|-------|-------|-------|----------------------|--------|------|
| Band12 | 10MHz | QPSK | 23060 | 1RB#0 | Range2:0.15~30MHz | -52.7 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 1RB#0 | Range3:30~1000MHz | -41.17 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 1RB#0 | Range4:1000~10000MHz | -44.91 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 1RB#0 | Range1:0.009~0.15MHz | -56.33 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 1RB#0 | Range2:0.15~30MHz | -50.22 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 1RB#0 | Range3:30~1000MHz | -39.66 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 1RB#0 | Range4:1000~10000MHz | -45 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 1RB#0 | Range1:0.009~0.15MHz | -56.39 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 1RB#0 | Range2:0.15~30MHz | -50.95 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 1RB#0 | Range3:30~1000MHz | -40.16 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 1RB#0 | Range4:1000~10000MHz | -44.95 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | Range1:0.009~0.15MHz | -56.94 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | Range2:0.15~30MHz | -51.19 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | Range3:30~1000MHz | -39.29 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | Range4:1000~10000MHz | -44.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | Range1:0.009~0.15MHz | -56.28 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | Range2:0.15~30MHz | -49.68 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | Range3:30~1000MHz | -40.82 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | Range4:1000~10000MHz | -44.96 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | Range1:0.009~0.15MHz | -55.27 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | Range2:0.15~30MHz | -50.88 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | Range3:30~1000MHz | -40.15 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | Range4:1000~10000MHz | -44.89 | PASS |

Test Graphs

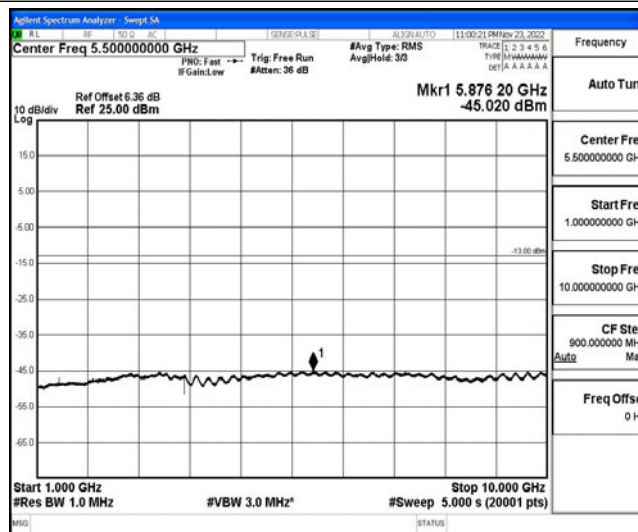




Band12-1.4MHz-QPSK-23017-1RB#0-Range3:30~1000MHz

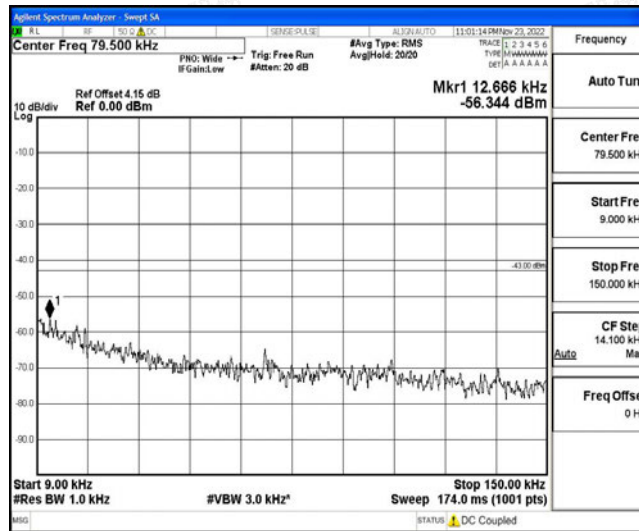


Band12-1.4MHz-QPSK-23017-1RB#0-Range4:1000~10000MHz

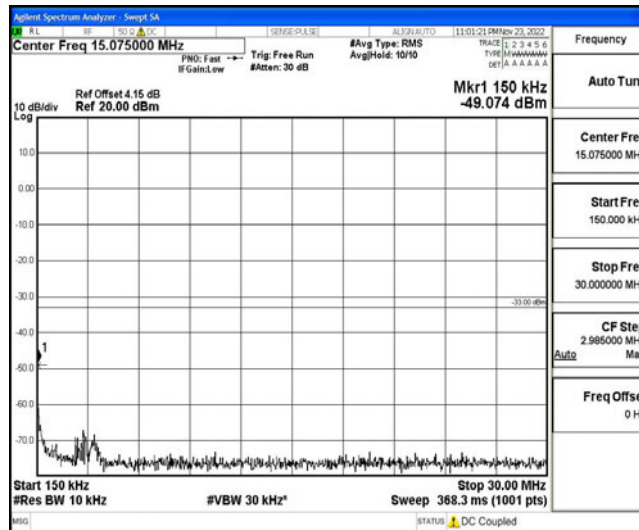


Band12-1.4MHz-QPSK-23095-1RB#0-Range1:0.009~0.15MHz

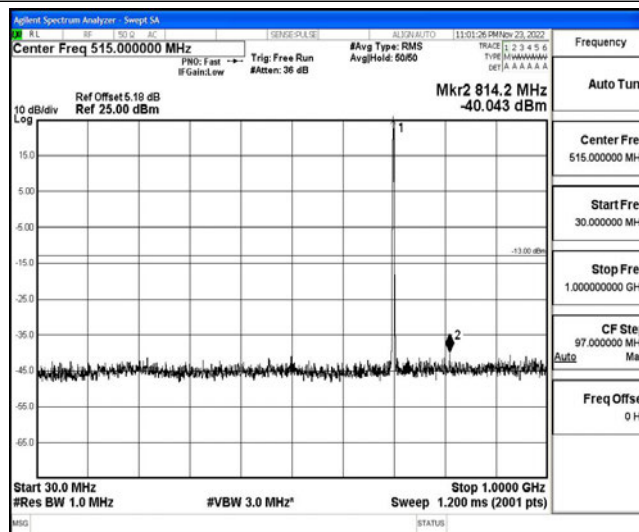




Band12-1.4MHz-QPSK-23095-1RB#0-Range2:0.15~30MHz

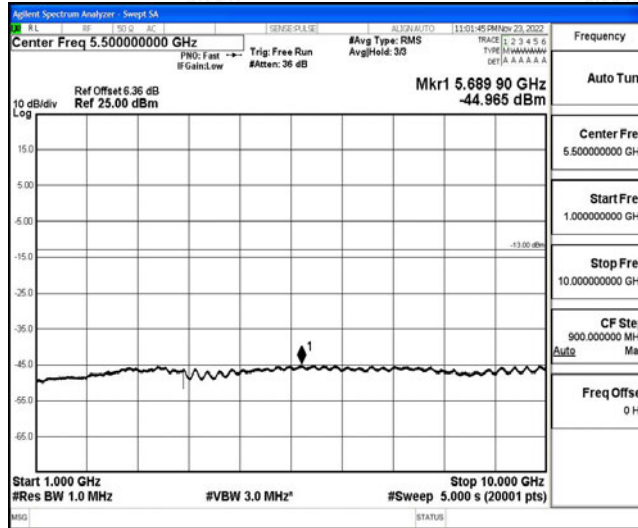


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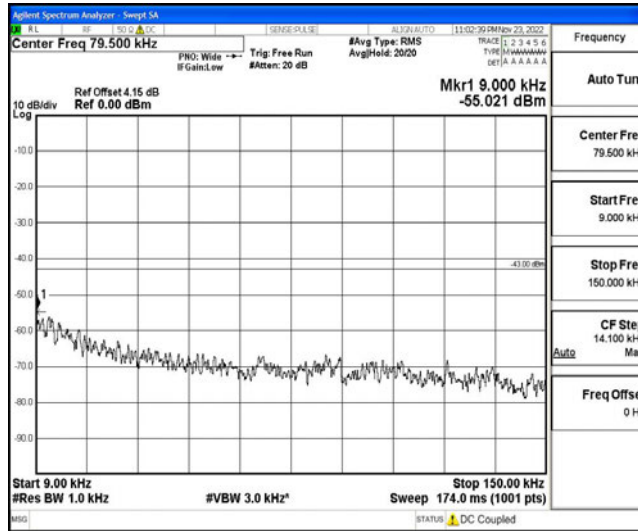


Band12-1.4MHz-QPSK-23095-1RB#0-Range4:1000~10000MHz

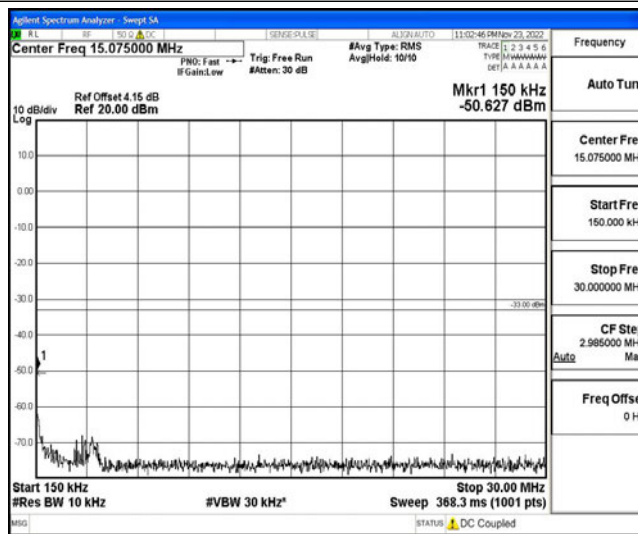




Band12-1.4MHz-QPSK-23173-1RB#0-Range1:0.009~0.15MHz

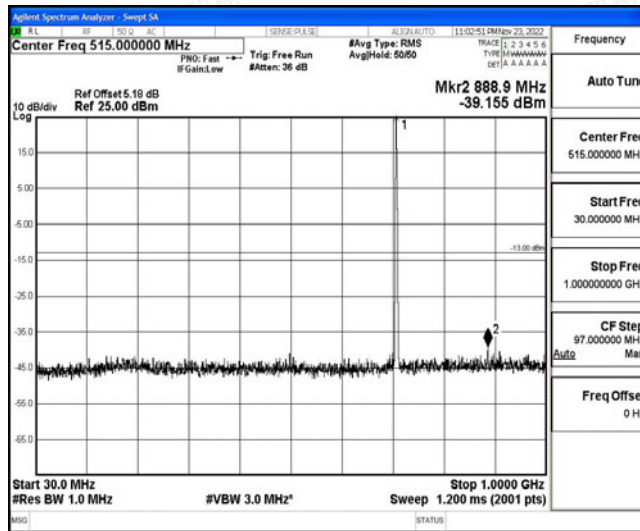


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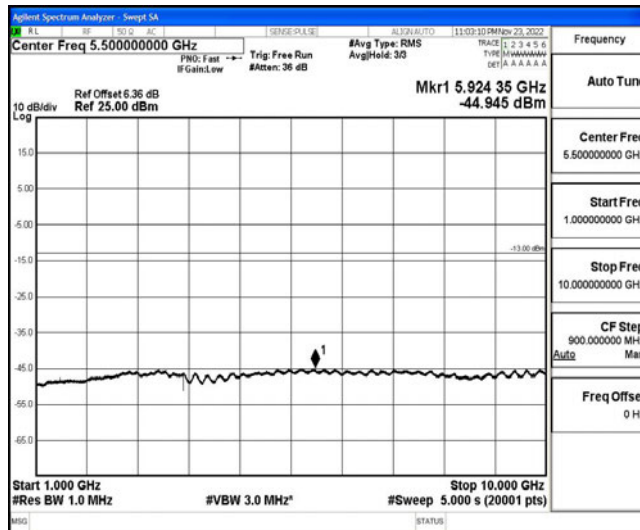


Band12-1.4MHz-QPSK-23173-1RB#0-Range3:30~1000MHz

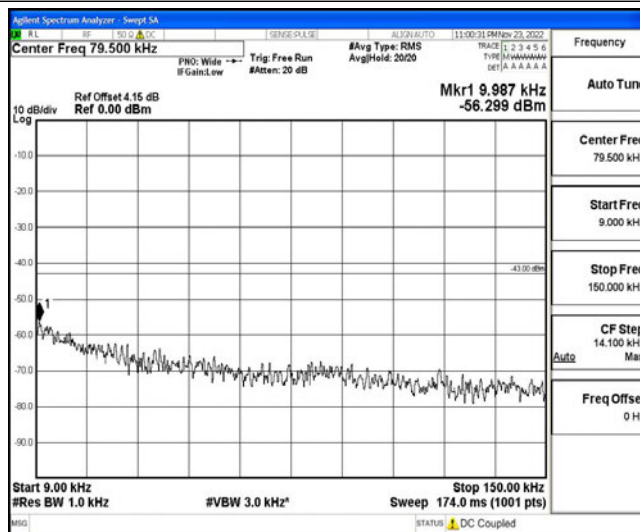




Band12-1.4MHz-QPSK-23173-1RB#0-Range4:1000~10000MHz

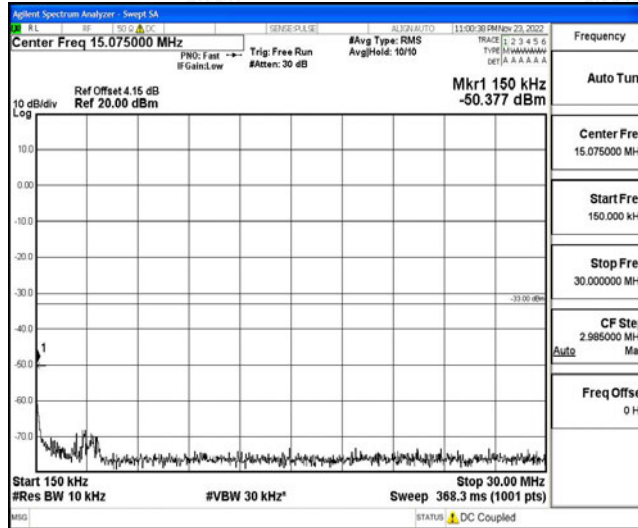


Band12-1.4MHz-16QAM-23017-1RB#0-Range1:0.009~0.15MHz

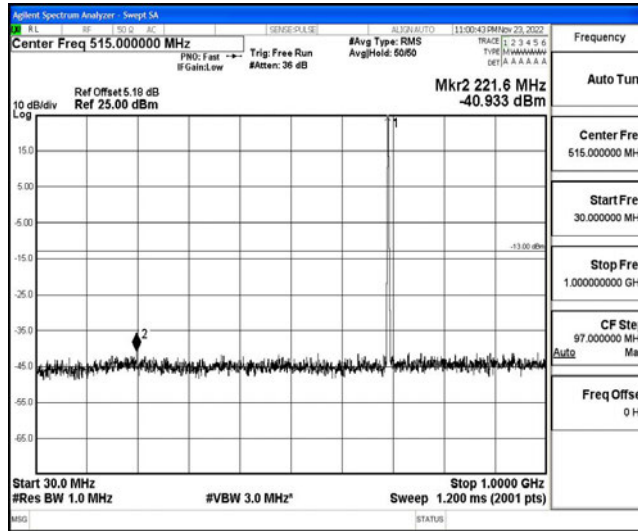


Band12-1.4MHz-16QAM-23017-1RB#0-Range2:0.15~30MHz

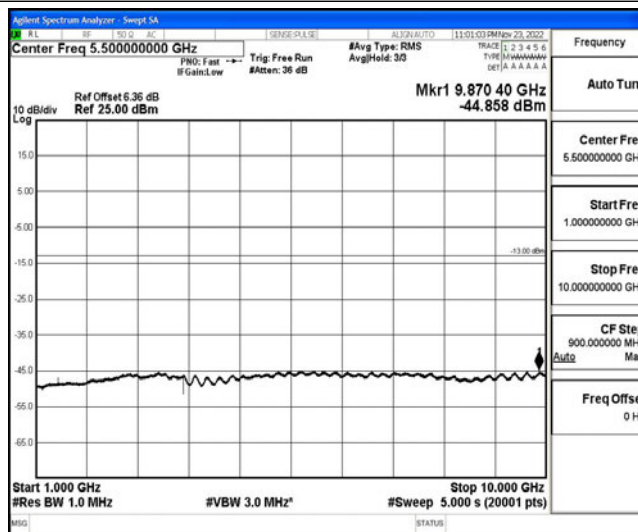




Band12-1.4MHz-16QAM-23017-1RB#0-Range3:30~1000MHz

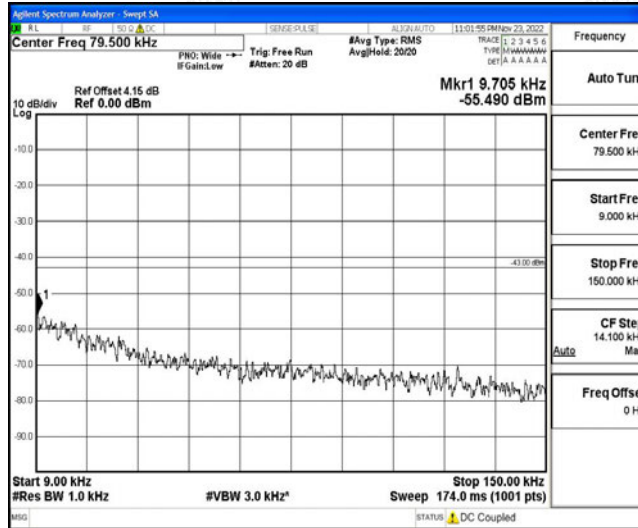


Band12-1.4MHz-16QAM-23017-1RB#0-Range4:1000~10000MHz

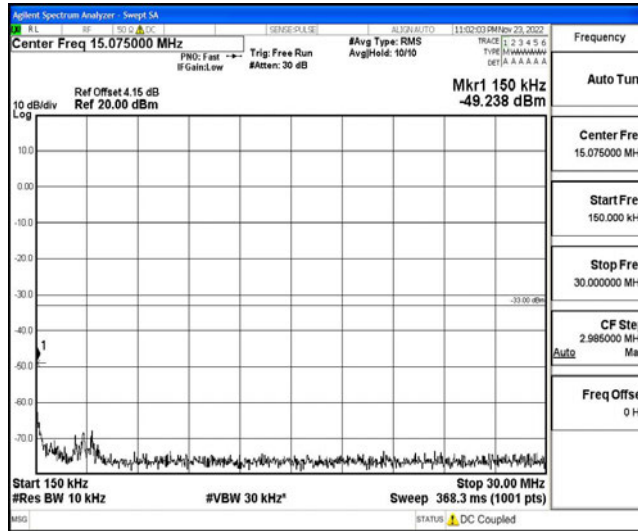


Band12-1.4MHz-16QAM-23095-1RB#0-Range1:0.009~0.15MHz

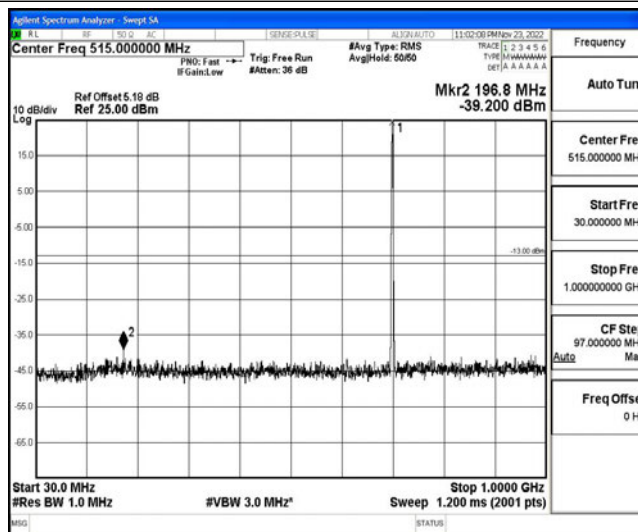




Band12-1.4MHz-16QAM-23095-1RB#0-Range2:0.15~30MHz

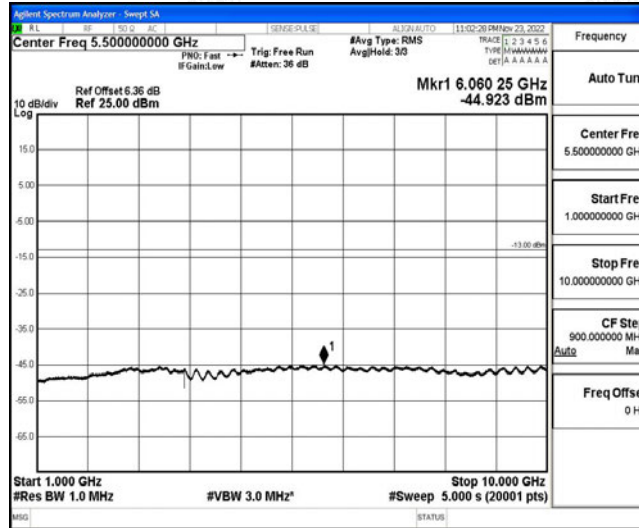


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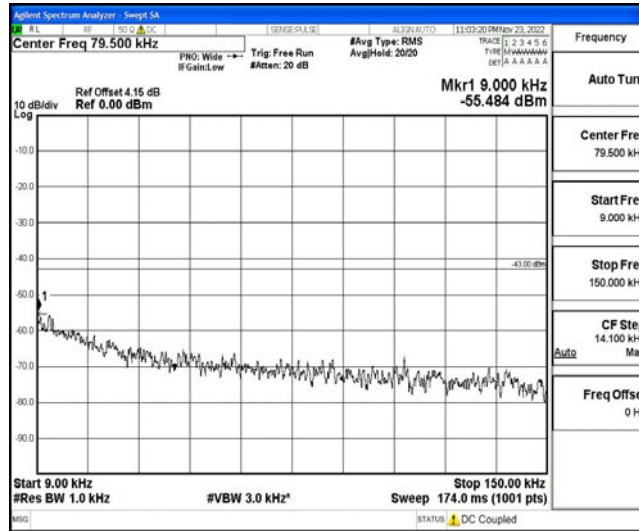


Band12-1.4MHz-16QAM-23095-1RB#0-Range4:1000~10000MHz

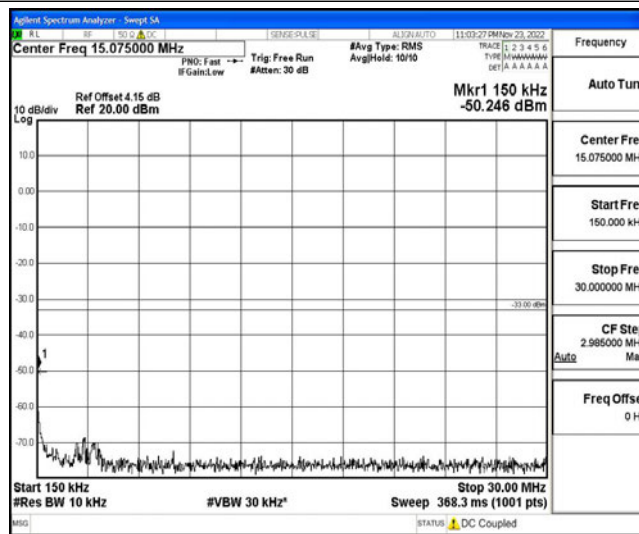




Band12-1.4MHz-16QAM-23173-1RB#0-Range1:0.009~0.15MHz

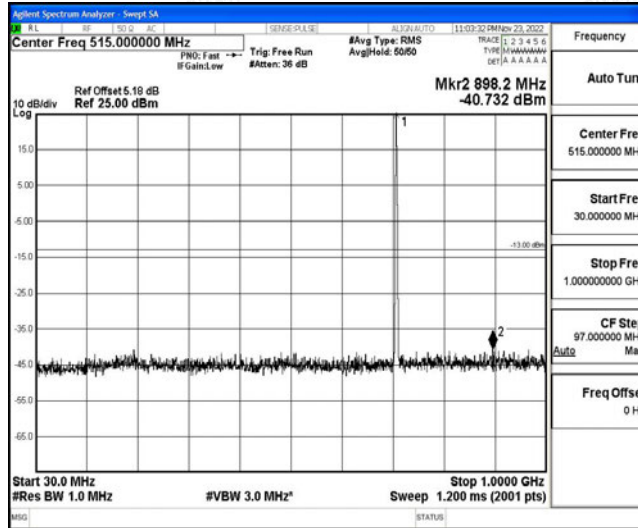


Band12-1.4MHz-16QAM-23173-1RB#0-Range2:0.15~30MHz

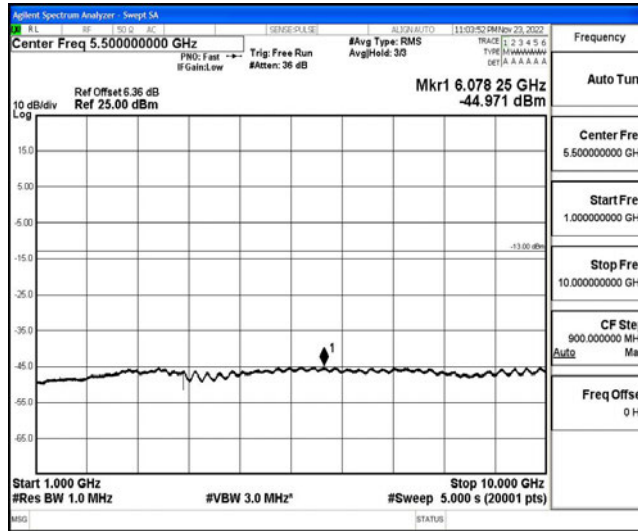


Band12-1.4MHz-16QAM-23173-1RB#0-Range3:30~1000MHz

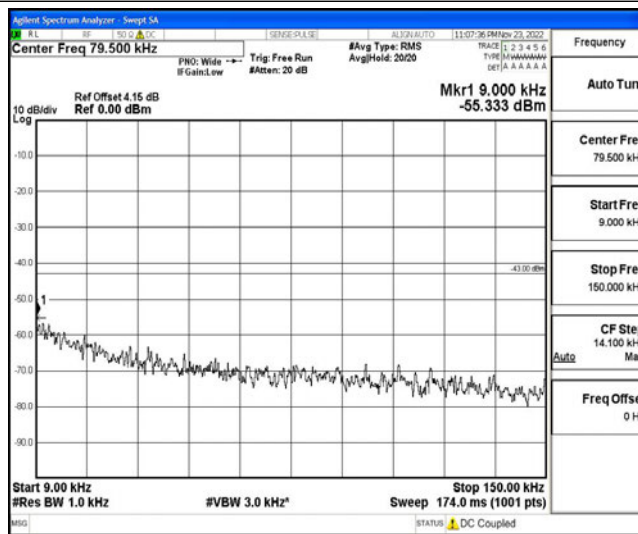




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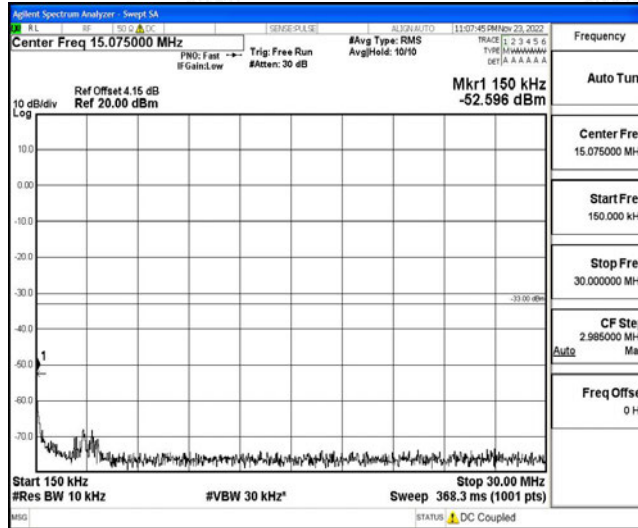


Band12-3MHz-QPSK-23025-1RB#0-Range1:0.009~0.15MHz

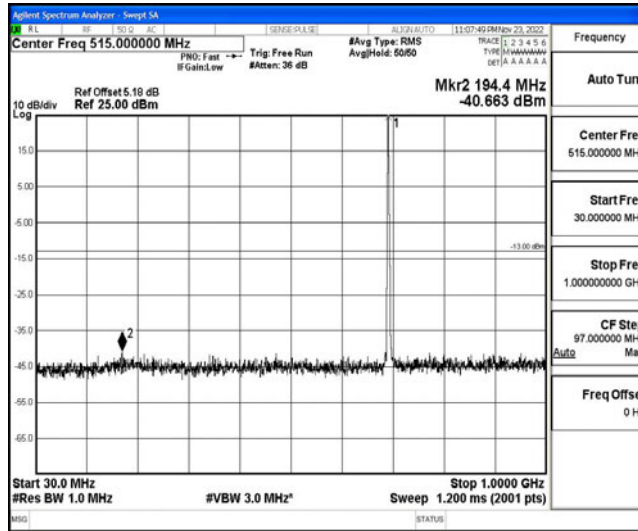


Band12-3MHz-QPSK-23025-1RB#0-Range2:0.15~30MHz

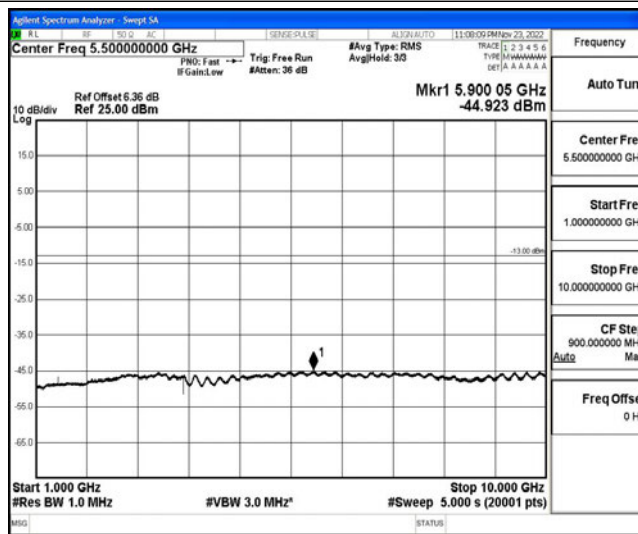




Band12-3MHz-QPSK-23025-1RB#0-Range3:30~1000MHz

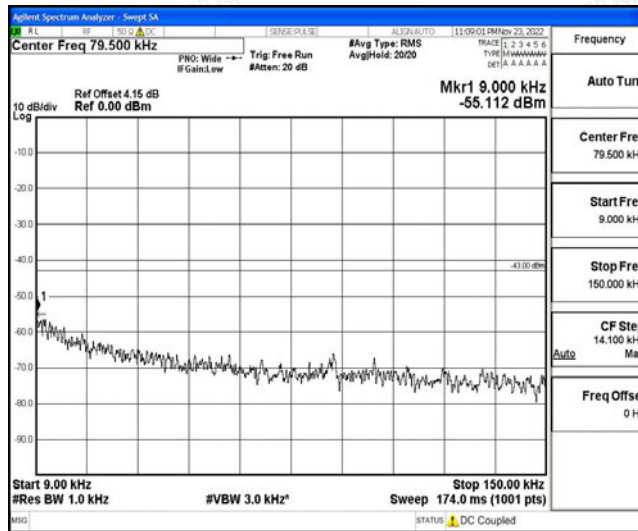


Band12-3MHz-QPSK-23025-1RB#0-Range4:1000~10000MHz

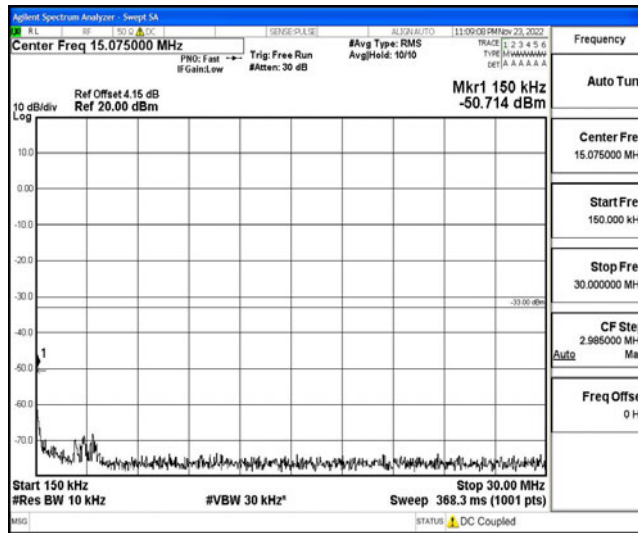


Band12-3MHz-QPSK-23095-1RB#0-Range1:0.009~0.15MHz

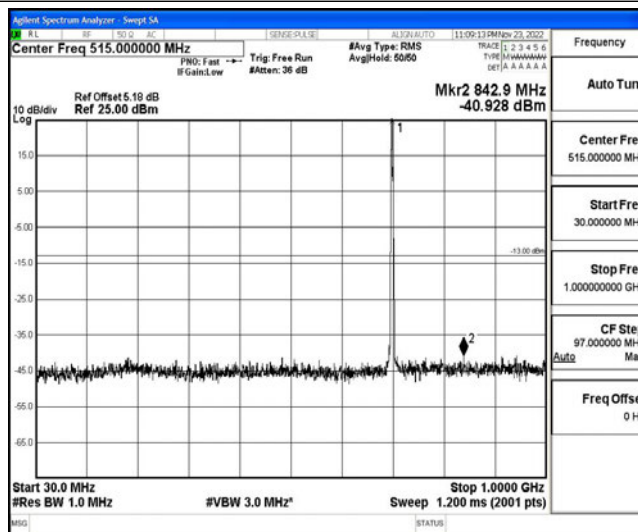




Band12-3MHz-QPSK-23095-1RB#0-Range2:0.15~30MHz

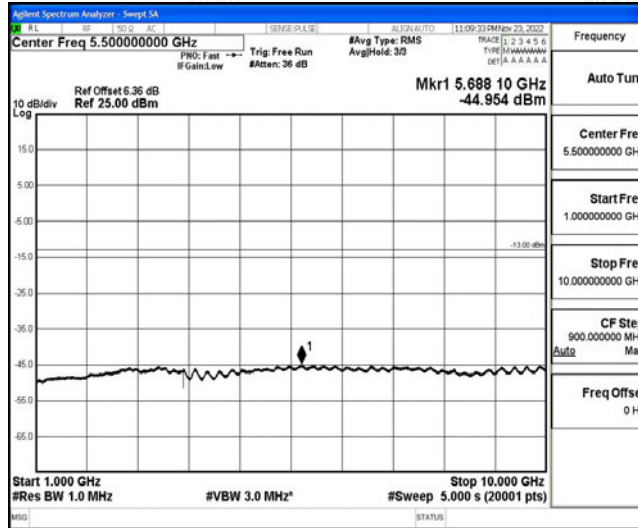


Band12-3MHz-QPSK-23095-1RB#0-Range3:30~1000MHz

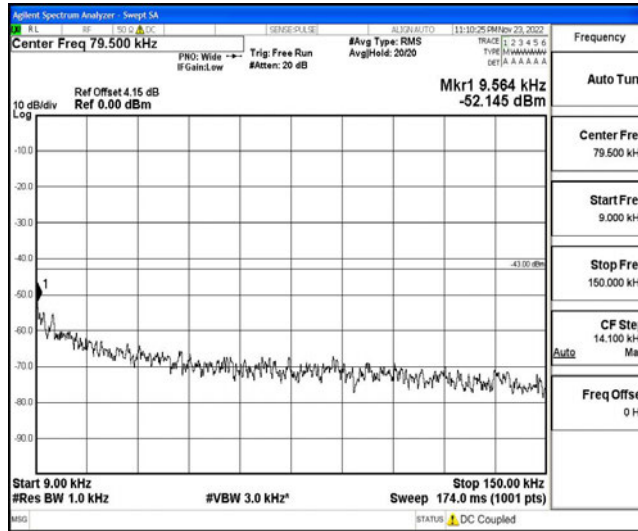


Band12-3MHz-QPSK-23095-1RB#0-Range4:1000~10000MHz

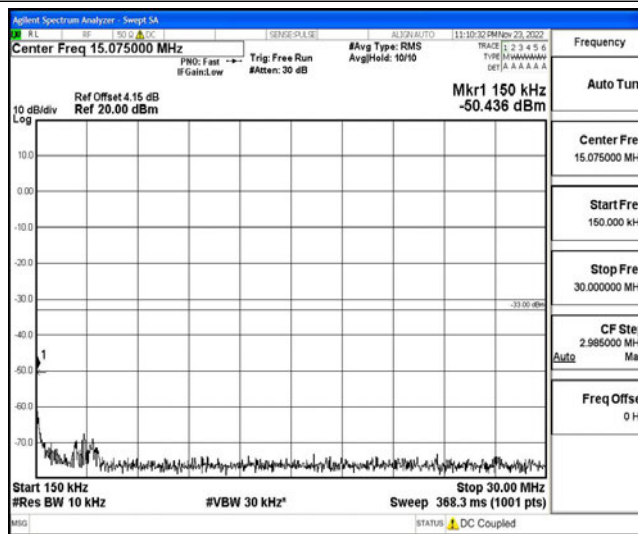




Band12-3MHz-QPSK-23165-1RB#0-Range1:0.009~0.15MHz

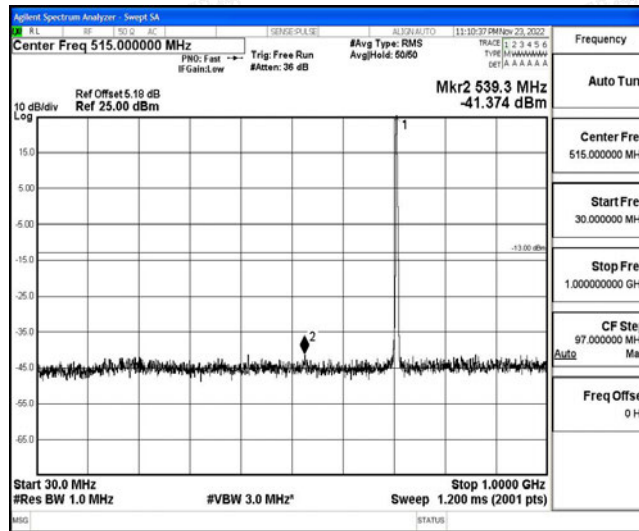


Band12-3MHz-QPSK-23165-1RB#0-Range2:0.15~30MHz

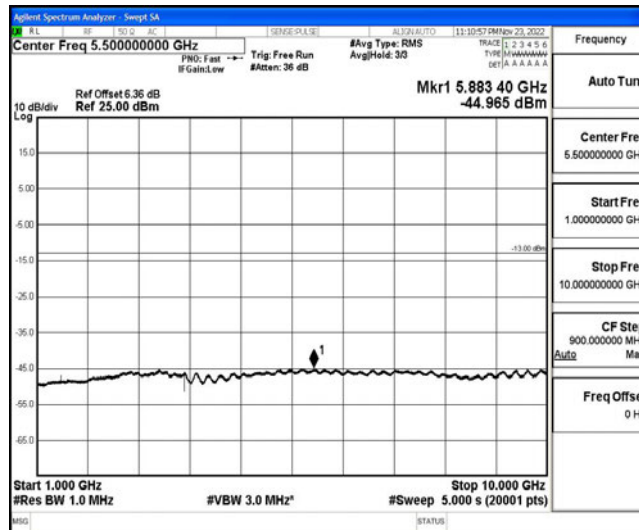


Band12-3MHz-QPSK-23165-1RB#0-Range3:30~1000MHz

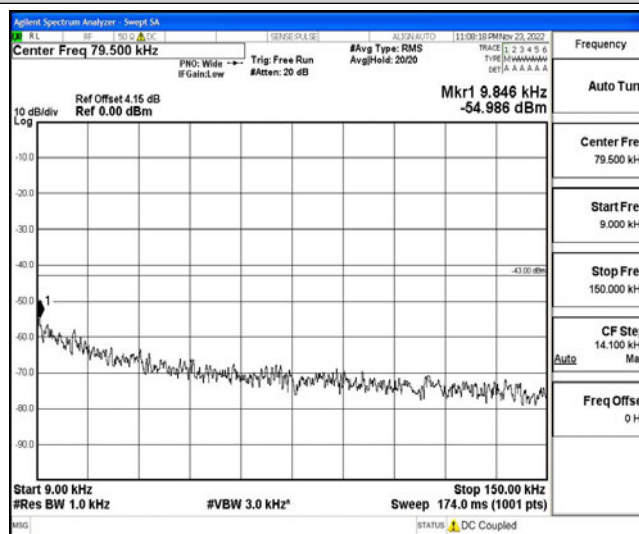




Band12-3MHz-QPSK-23165-1RB#0-Range4: 1000~10000MHz

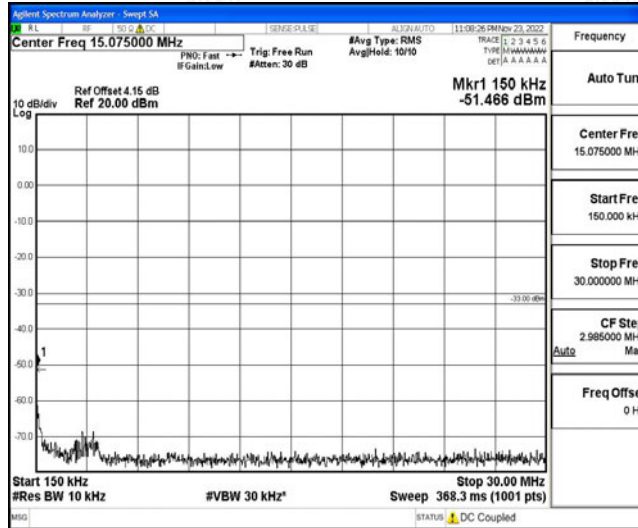


Band12-3MHz-16QAM-23025-1RB#0-Range1:0.009~0.15MHz

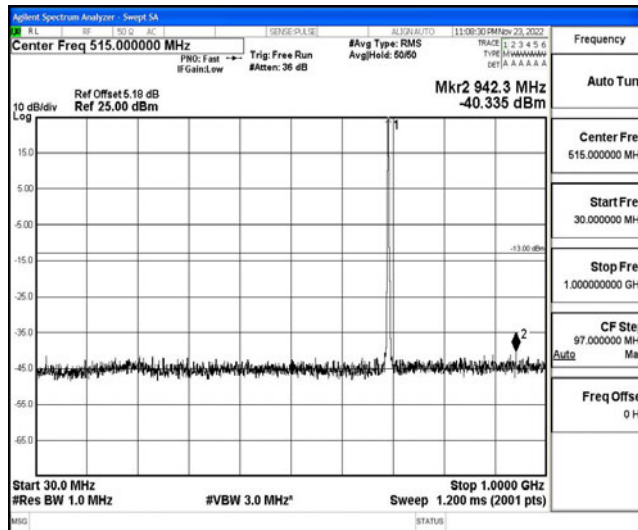


Band12-3MHz-16QAM-23025-1RB#0-Range2:0.15~30MHz

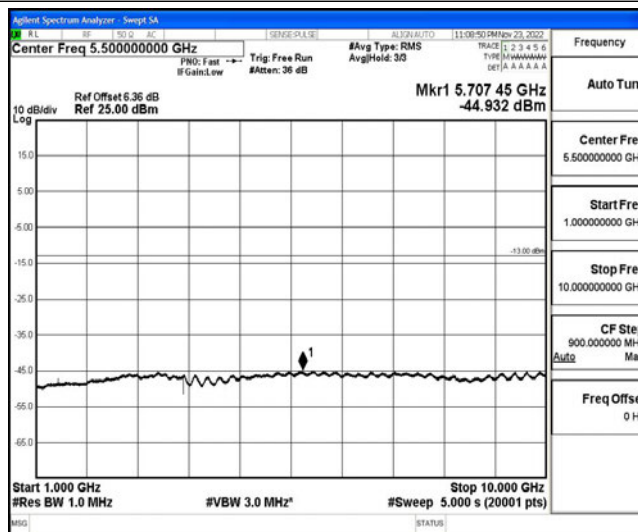




Band12-3MHz-16QAM-23025-1RB#0-Range3:30~1000MHz



Band12-3MHz-16QAM-23025-1RB#0-Range4:1000~10000MHz



Band12-3MHz-16QAM-23095-1RB#0-Range1:0.009~0.15MHz

