

Test Data for E-UTRA Band 5

| | |
|---|-------------------------------------|
| EUT: <u>MDVR</u> | Model: <u>M51HV.TGWE-A-A</u> |
| Ambient Condition: <u>25</u> °C, <u>45</u> %RH, <u>101.325</u> kPa | |
| Test Engineer: <u>Jack Zhou</u> | |

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Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | ERP(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|--------------|--------------|---------|
| Band5 | 1.4MHz | QPSK | 20407 | 1RB#0 | 23.02 | 17.53 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 1RB#2 | 23.20 | 17.71 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 1RB#5 | 23.02 | 17.53 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 3RB#0 | 23.11 | 17.62 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 3RB#1 | 23.09 | 17.60 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 3RB#3 | 23.38 | 17.89 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 6RB#0 | 22.15 | 16.66 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 1RB#0 | 22.90 | 17.41 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 1RB#2 | 22.73 | 17.24 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 1RB#5 | 22.88 | 17.39 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 3RB#0 | 22.77 | 17.28 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 3RB#1 | 22.85 | 17.36 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 3RB#3 | 22.98 | 17.49 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | 21.96 | 16.47 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 1RB#0 | 22.99 | 17.50 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 1RB#2 | 23.13 | 17.64 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 1RB#5 | 23.24 | 17.75 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 3RB#0 | 23.13 | 17.64 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 3RB#1 | 23.12 | 17.63 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 3RB#3 | 23.08 | 17.59 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 6RB#0 | 22.03 | 16.54 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 1RB#0 | 22.15 | 16.66 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 1RB#2 | 22.29 | 16.80 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 1RB#5 | 22.29 | 16.80 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 3RB#0 | 21.94 | 16.45 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 3RB#1 | 21.99 | 16.50 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 3RB#3 | 22.12 | 16.63 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | 21.15 | 15.66 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 1RB#0 | 21.86 | 16.37 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 1RB#2 | 22.39 | 16.90 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 1RB#5 | 21.95 | 16.46 | PASS |

| | | | | | | | |
|-------|--------|-------|-------|--------|-------|-------|------|
| Band5 | 1.4MHz | 16QAM | 20525 | 3RB#0 | 21.72 | 16.23 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 3RB#1 | 21.71 | 16.22 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 3RB#3 | 21.76 | 16.27 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | 21.03 | 15.54 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#0 | 21.90 | 16.41 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#2 | 22.03 | 16.54 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#5 | 21.93 | 16.44 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#0 | 22.23 | 16.74 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#1 | 22.22 | 16.73 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#3 | 22.08 | 16.59 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | 20.84 | 15.35 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 1RB#0 | 22.97 | 17.48 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 1RB#8 | 23.21 | 17.72 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 1RB#14 | 23.04 | 17.55 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 8RB#0 | 21.89 | 16.40 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 8RB#4 | 21.87 | 16.38 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 8RB#7 | 21.98 | 16.49 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 15RB#0 | 21.97 | 16.48 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 1RB#0 | 23.07 | 17.58 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 1RB#8 | 22.98 | 17.49 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 1RB#14 | 23.03 | 17.54 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 8RB#0 | 21.66 | 16.17 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 8RB#4 | 21.65 | 16.16 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 8RB#7 | 21.79 | 16.30 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | 21.73 | 16.24 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 1RB#0 | 23.28 | 17.79 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 1RB#8 | 22.98 | 17.49 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 1RB#14 | 23.07 | 17.58 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 8RB#0 | 21.94 | 16.45 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 8RB#4 | 21.94 | 16.45 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 8RB#7 | 22.01 | 16.52 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 15RB#0 | 21.84 | 16.35 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 1RB#0 | 21.81 | 16.32 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 1RB#8 | 21.85 | 16.36 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 1RB#14 | 21.68 | 16.19 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 8RB#0 | 21.02 | 15.53 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 8RB#4 | 20.94 | 15.45 | PASS |

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|-------|------|-------|-------|---------|-------|-------|------|
| Band5 | 3MHz | 16QAM | 20415 | 8RB#7 | 21.05 | 15.56 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | 20.89 | 15.40 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#0 | 22.10 | 16.61 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#8 | 21.86 | 16.37 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#14 | 21.95 | 16.46 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#0 | 20.62 | 15.13 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#4 | 20.61 | 15.12 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#7 | 20.86 | 15.37 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | 20.69 | 15.20 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#0 | 22.12 | 16.63 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#8 | 21.87 | 16.38 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#14 | 21.98 | 16.49 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#0 | 20.99 | 15.50 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#4 | 20.98 | 15.49 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#7 | 21.05 | 15.56 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | 20.82 | 15.33 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 1RB#0 | 22.92 | 17.43 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 1RB#12 | 23.23 | 17.74 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 1RB#24 | 22.92 | 17.43 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 12RB#0 | 22.01 | 16.52 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 12RB#6 | 22.00 | 16.51 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 12RB#13 | 22.05 | 16.56 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | 21.94 | 16.45 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 1RB#0 | 22.90 | 17.41 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 1RB#12 | 22.94 | 17.45 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 1RB#24 | 22.80 | 17.31 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 12RB#0 | 21.76 | 16.27 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 12RB#6 | 21.75 | 16.26 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 12RB#13 | 21.91 | 16.42 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | 21.70 | 16.21 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 1RB#0 | 23.05 | 17.56 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 1RB#12 | 22.99 | 17.50 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 1RB#24 | 22.99 | 17.50 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 12RB#0 | 22.02 | 16.53 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 12RB#6 | 21.94 | 16.45 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 12RB#13 | 22.02 | 16.53 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 25RB#0 | 21.99 | 16.50 | PASS |

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|-------|-------|-------|-------|---------|-------|-------|------|
| Band5 | 5MHz | 16QAM | 20425 | 1RB#0 | 21.60 | 16.11 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#12 | 21.83 | 16.34 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#24 | 21.89 | 16.40 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 12RB#0 | 21.14 | 15.65 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 12RB#6 | 21.03 | 15.54 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 12RB#13 | 21.08 | 15.59 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | 20.99 | 15.50 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 1RB#0 | 21.83 | 16.34 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 1RB#12 | 21.50 | 16.01 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 1RB#24 | 21.83 | 16.34 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 12RB#0 | 20.71 | 15.22 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 12RB#6 | 20.89 | 15.40 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 12RB#13 | 20.85 | 15.36 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | 20.76 | 15.27 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 1RB#0 | 22.22 | 16.73 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 1RB#12 | 21.80 | 16.31 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 1RB#24 | 22.00 | 16.51 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 12RB#0 | 21.12 | 15.63 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 12RB#6 | 21.03 | 15.54 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 12RB#13 | 21.02 | 15.53 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 25RB#0 | 21.01 | 15.52 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 1RB#0 | 23.07 | 17.58 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 1RB#24 | 23.10 | 17.61 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 1RB#49 | 22.84 | 17.35 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 25RB#0 | 22.13 | 16.64 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 25RB#12 | 22.19 | 16.70 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 25RB#25 | 21.85 | 16.36 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | 22.10 | 16.61 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 1RB#0 | 22.80 | 17.31 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 1RB#24 | 23.15 | 17.66 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 1RB#49 | 23.18 | 17.69 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 25RB#0 | 21.93 | 16.44 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 25RB#12 | 21.84 | 16.35 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 25RB#25 | 21.93 | 16.44 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | 21.79 | 16.30 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 1RB#0 | 23.05 | 17.56 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 1RB#24 | 23.16 | 17.67 | PASS |

| | | | | | | | |
|-------|-------|-------|-------|---------|-------|-------|------|
| Band5 | 10MHz | QPSK | 20600 | 1RB#49 | 22.94 | 17.45 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 25RB#0 | 21.94 | 16.45 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 25RB#12 | 21.78 | 16.29 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 25RB#25 | 21.95 | 16.46 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 50RB#0 | 21.82 | 16.33 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0 | 21.95 | 16.46 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#24 | 22.14 | 16.65 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#49 | 21.87 | 16.38 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#0 | 21.14 | 15.65 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#12 | 21.14 | 15.65 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#25 | 20.90 | 15.41 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | 21.11 | 15.62 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0 | 21.91 | 16.42 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#24 | 22.59 | 17.10 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#49 | 22.15 | 16.66 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#0 | 20.81 | 15.32 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#12 | 21.23 | 15.74 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#25 | 21.12 | 15.63 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | 20.96 | 15.47 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0 | 22.22 | 16.73 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#24 | 22.33 | 16.84 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#49 | 22.52 | 17.03 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#0 | 20.85 | 15.36 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#12 | 20.91 | 15.42 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#25 | 21.01 | 15.52 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | 20.98 | 15.49 | PASS |

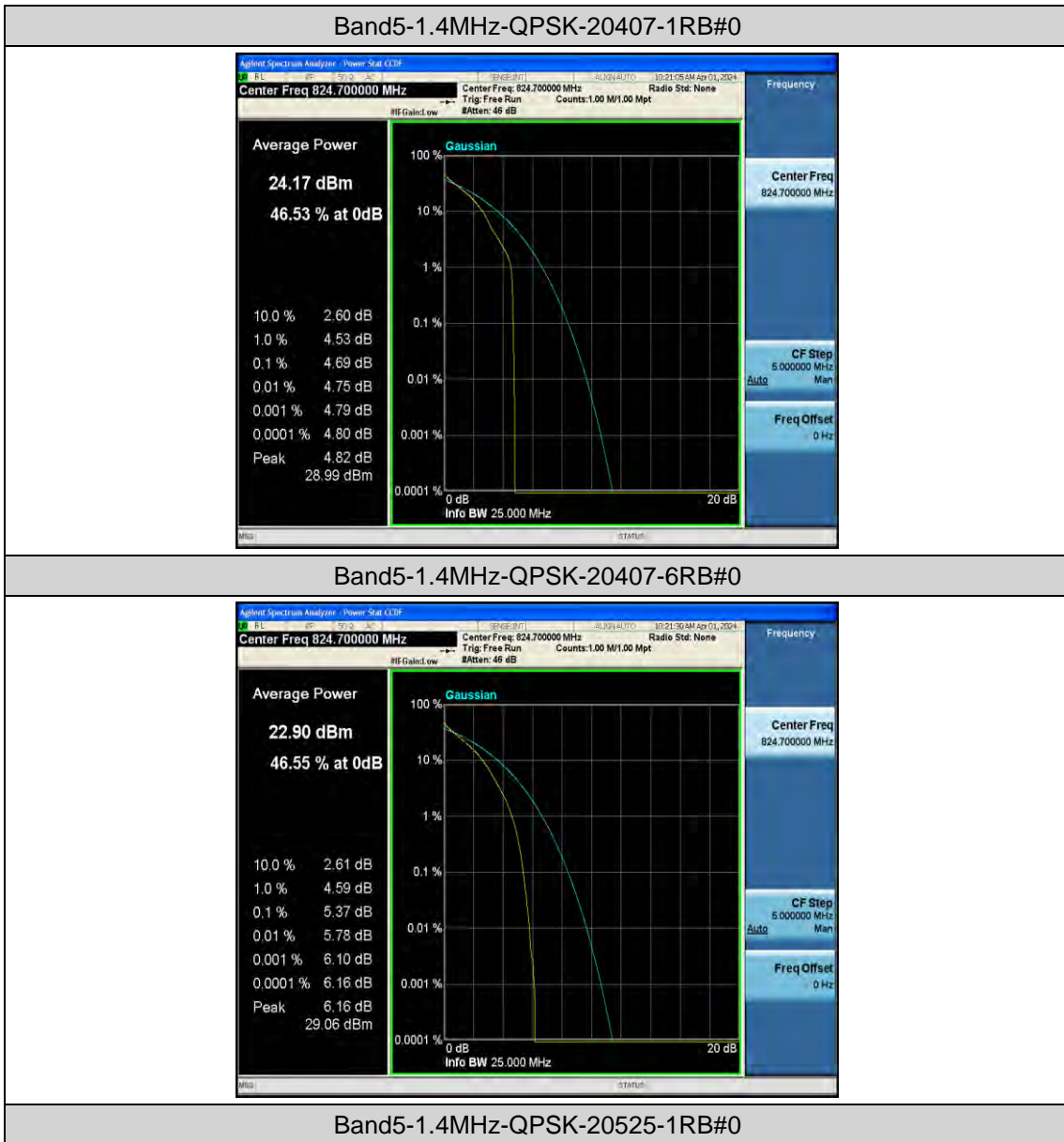
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band5 | 1.4MHz | QPSK | 20407 | 1RB#0 | 4.69 | 13 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 6RB#0 | 5.37 | 13 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 1RB#0 | 4.54 | 13 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | 5.27 | 13 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 1RB#0 | 4.27 | 13 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 6RB#0 | 4.98 | 13 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 1RB#0 | 5.63 | 13 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | 6.18 | 13 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 1RB#0 | 5.43 | 13 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | 6.05 | 13 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#0 | 5.21 | 13 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | 5.81 | 13 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 1RB#0 | 8.17 | 13 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 15RB#0 | 8.12 | 13 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 1RB#0 | 8.14 | 13 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | 8.12 | 13 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 1RB#0 | 8.11 | 13 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 15RB#0 | 8.12 | 13 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 1RB#0 | 8.15 | 13 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | 8.14 | 13 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#0 | 8.12 | 13 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | 8.11 | 13 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#0 | 8.15 | 13 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | 8.13 | 13 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 1RB#0 | 4.68 | 13 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | 5.35 | 13 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 1RB#0 | 4.33 | 13 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | 5.33 | 13 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 1RB#0 | 4.73 | 13 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 25RB#0 | 5.19 | 13 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#0 | 5.66 | 13 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | 6.12 | 13 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 1RB#0 | 5.18 | 13 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | 6.10 | 13 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 1RB#0 | 5.60 | 13 | PASS |

| | | | | | | | |
|-------|-------|-------|-------|--------|------|----|------|
| Band5 | 5MHz | 16QAM | 20625 | 25RB#0 | 5.97 | 13 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 1RB#0 | 4.67 | 13 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | 5.12 | 13 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 1RB#0 | 4.25 | 13 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | 5.32 | 13 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 1RB#0 | 4.77 | 13 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 50RB#0 | 5.31 | 13 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0 | 5.46 | 13 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | 5.92 | 13 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0 | 5.05 | 13 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | 6.08 | 13 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0 | 5.61 | 13 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | 6.15 | 13 | PASS |

Test Graphs

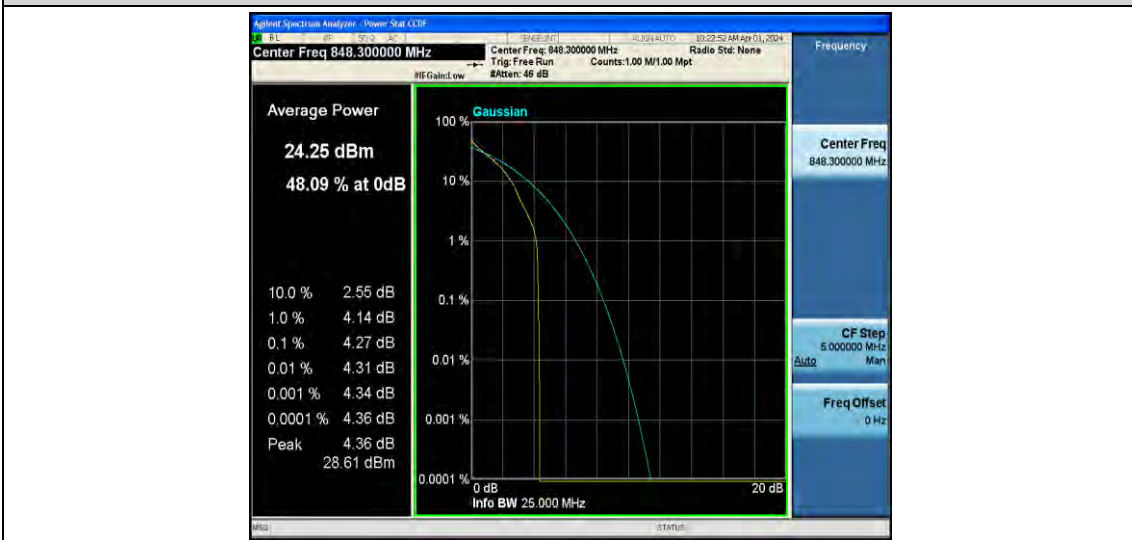




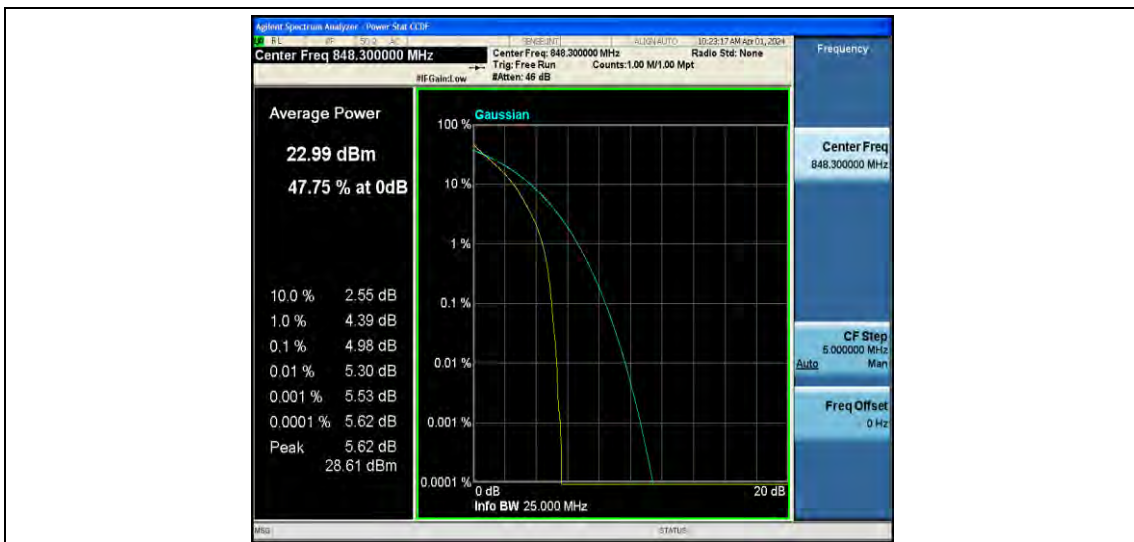
Band5-1.4MHz-QPSK-20525-6RB#0



Band5-1.4MHz-QPSK-20643-1RB#0



Band5-1.4MHz-QPSK-20643-6RB#0



Band5-1.4MHz-16QAM-20407-1RB#0



Band5-1.4MHz-16QAM-20407-6RB#0



Band5-1.4MHz-16QAM-20525-1RB#0



Band5-1.4MHz-16QAM-20525-6RB#0



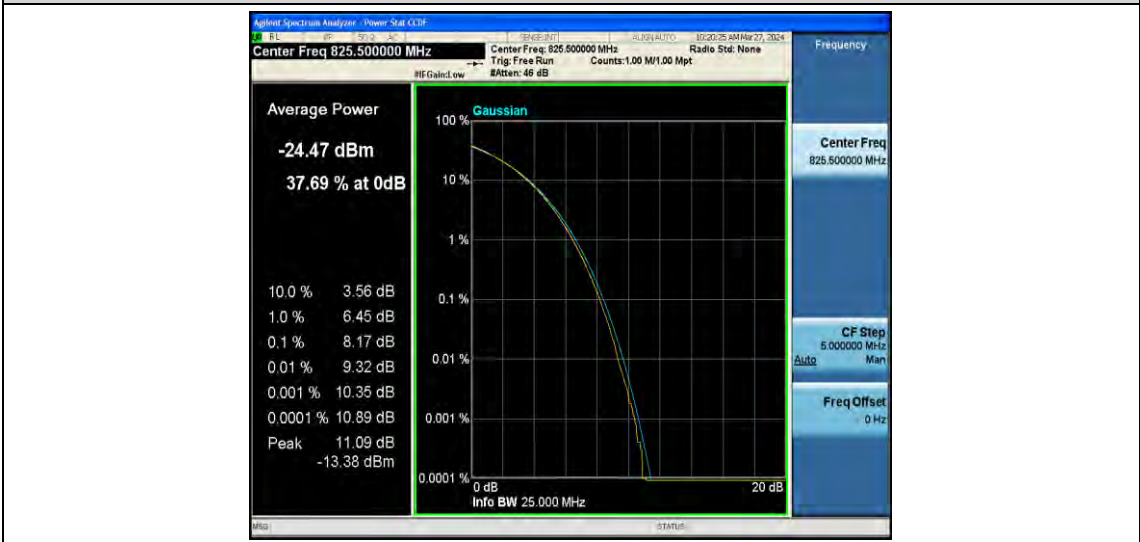
Band5-1.4MHz-16QAM-20643-1RB#0



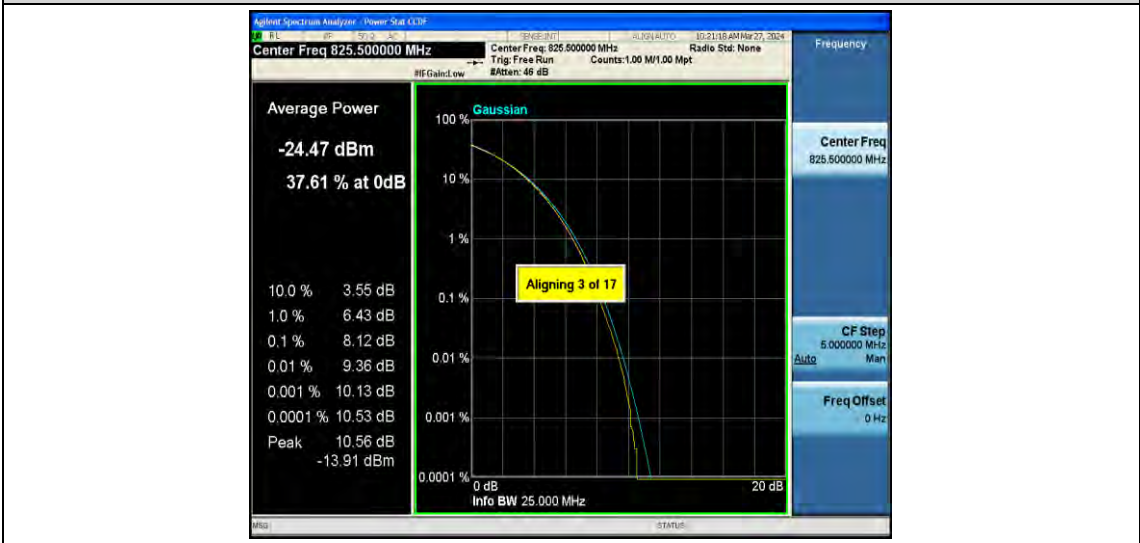
Band5-1.4MHz-16QAM-20643-6RB#0



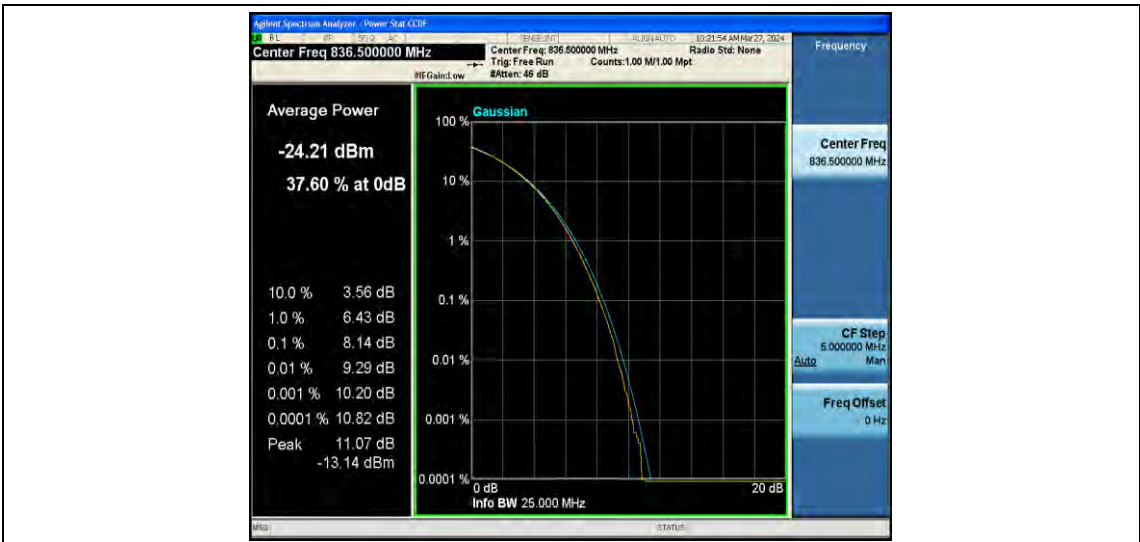
Band5-3MHz-QPSK-20415-1RB#0



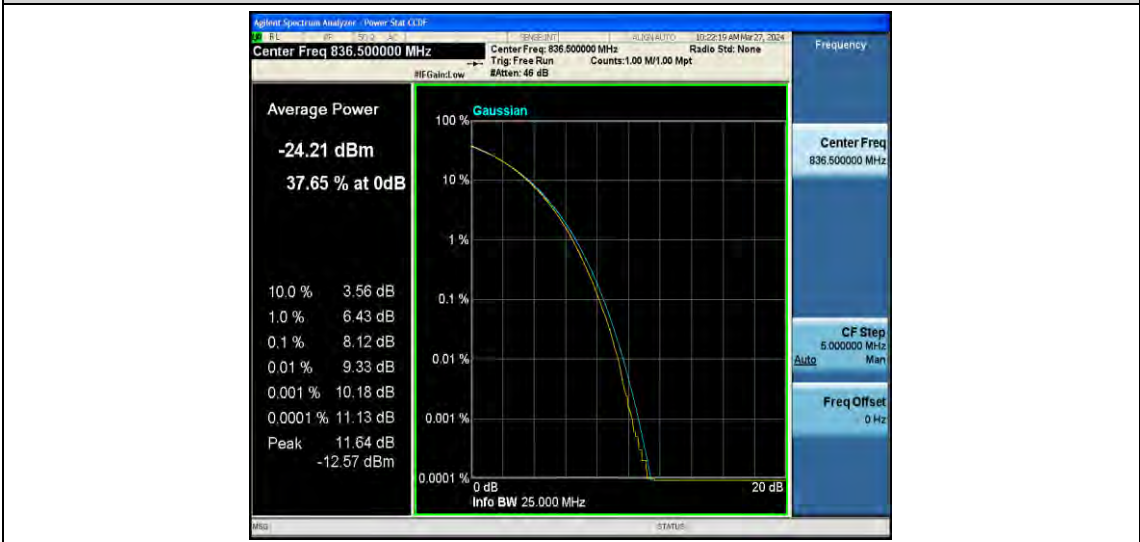
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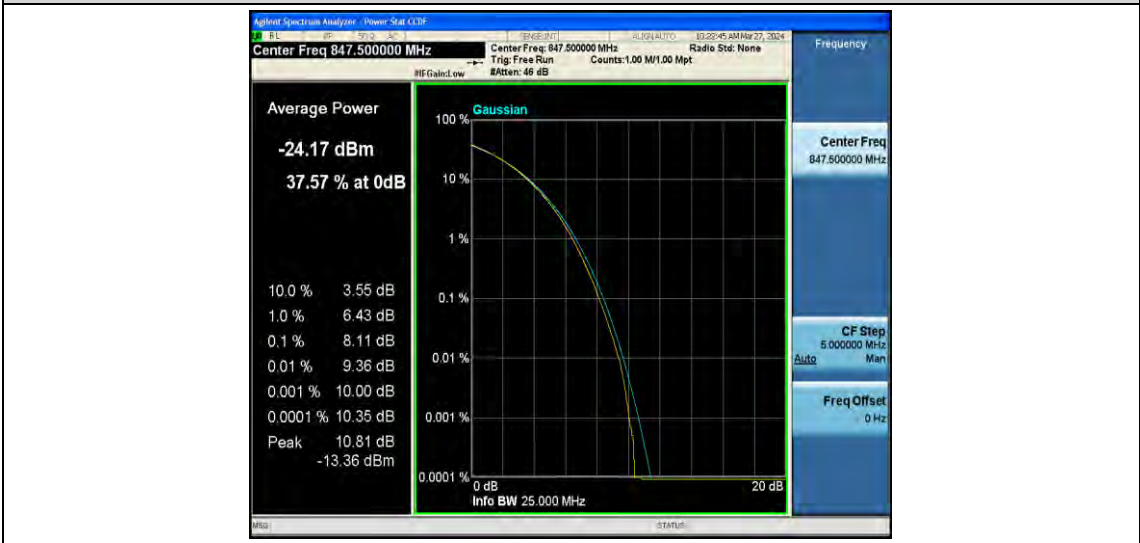
Band5-3MHz-QPSK-20525-1RB#0



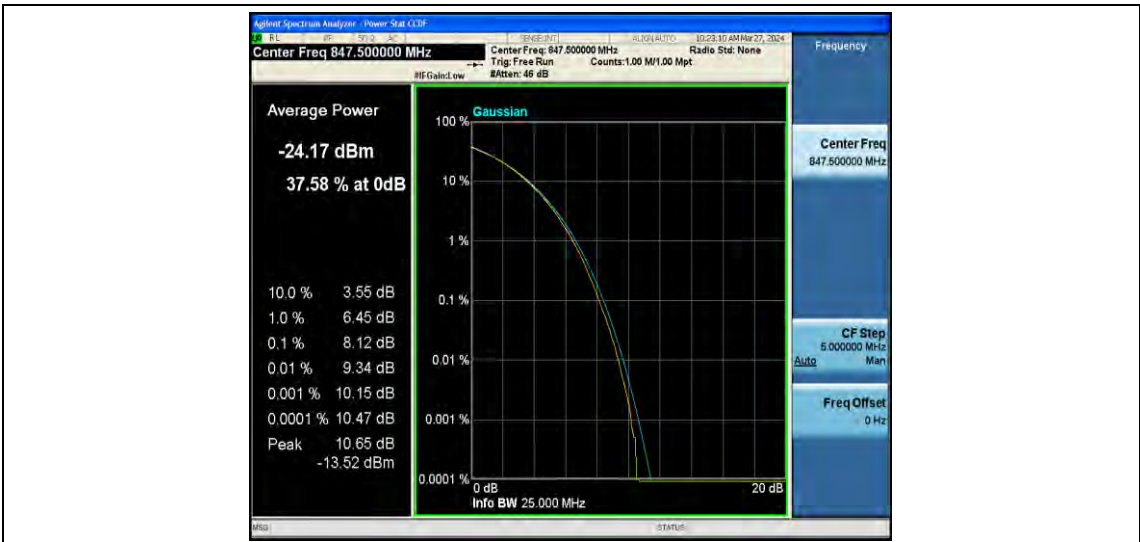
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Band5-3MHz-QPSK-20635-1RB#0



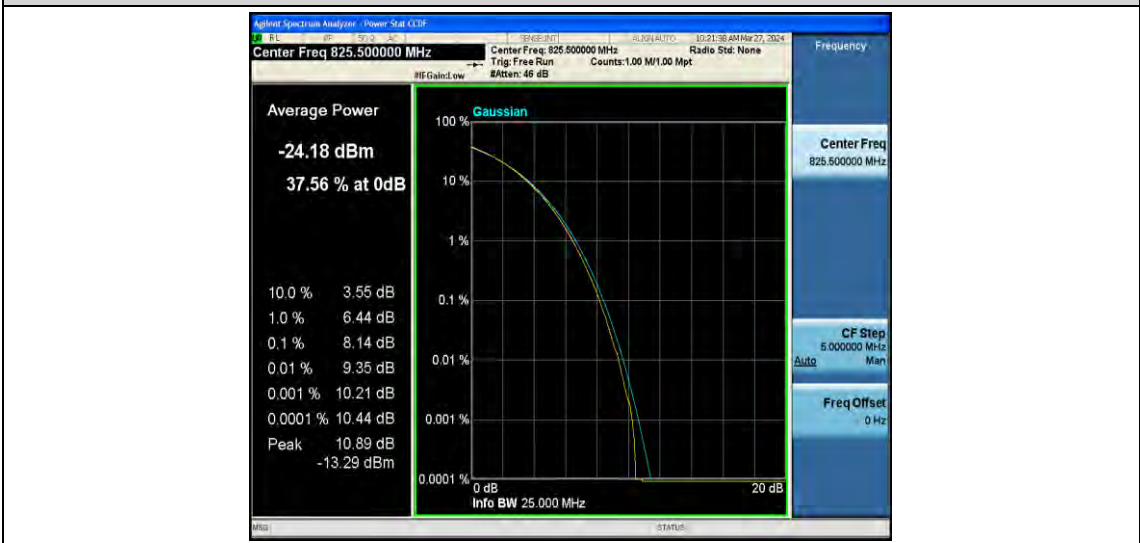
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Band5-3MHz-16QAM-20415-1RB#0



Band5-3MHz-16QAM-20415-15RB#0



Band5-3MHz-16QAM-20525-1RB#0



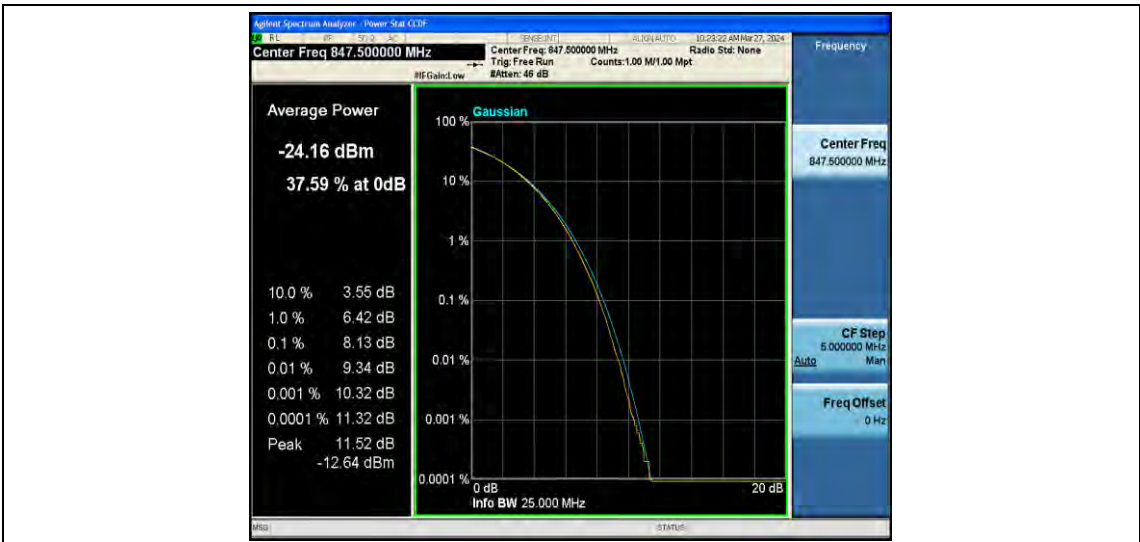
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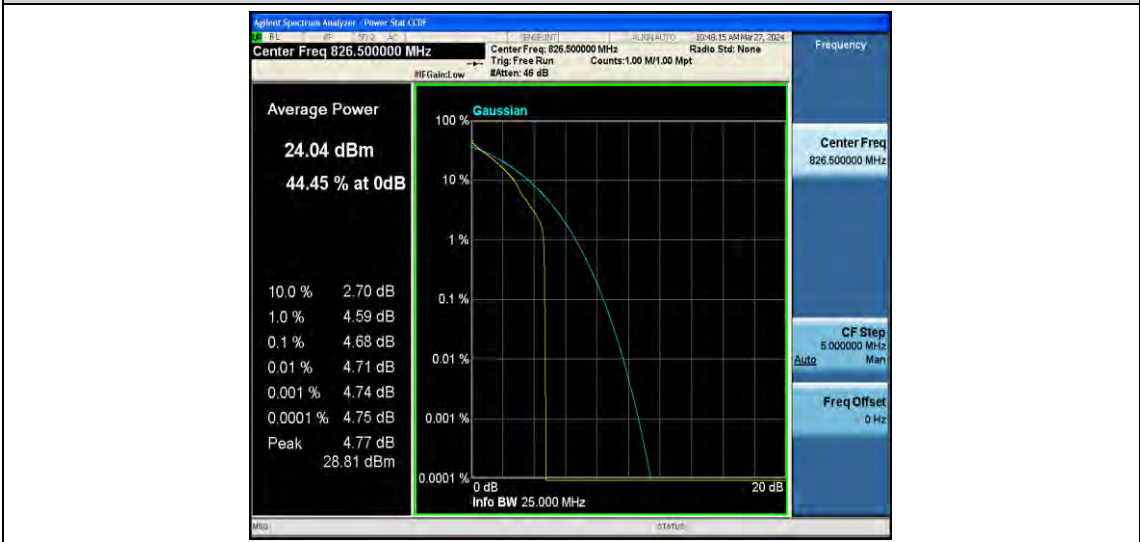
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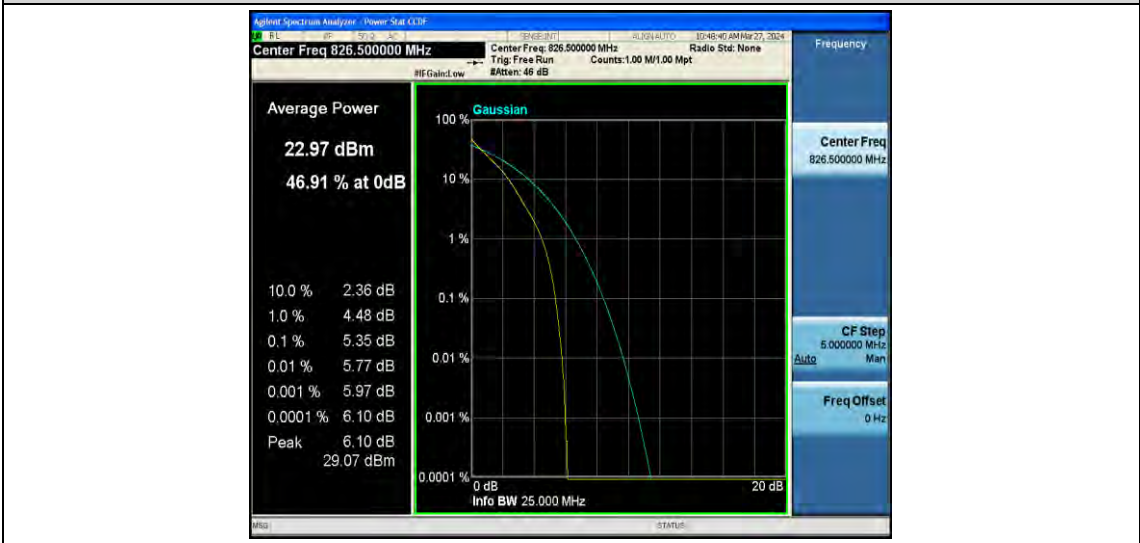
Band5-3MHz-16QAM-20635-15RB#0



Band5-5MHz-QPSK-20425-1RB#0



Band5-5MHz-QPSK-20425-25RB#0



Band5-5MHz-QPSK-20525-1RB#0



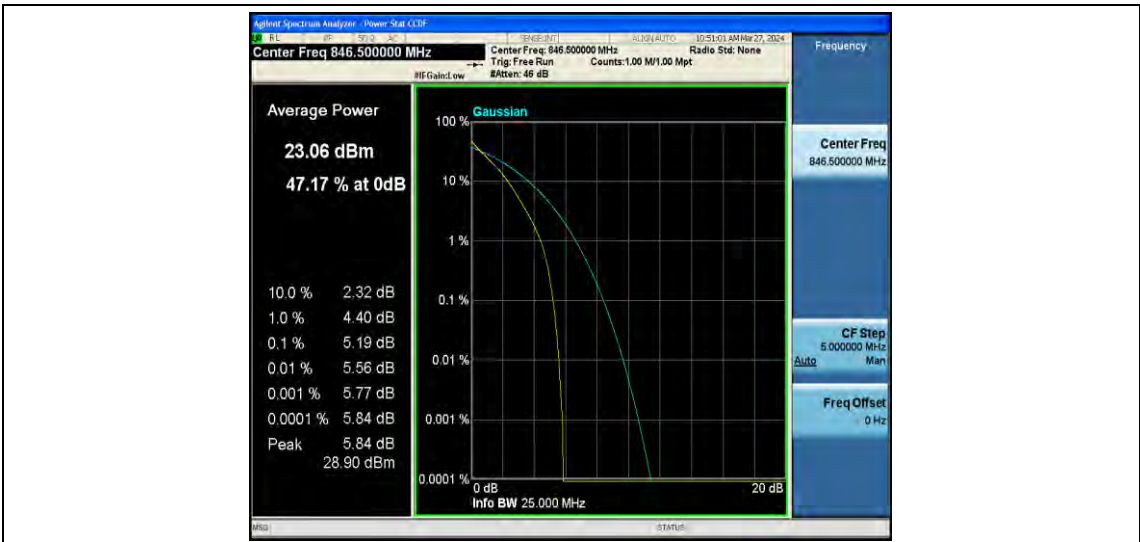
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Band5-5MHz-QPSK-20625-1RB#0



Band5-5MHz-QPSK-20625-25RB#0



Band5-5MHz-16QAM-20425-1RB#0



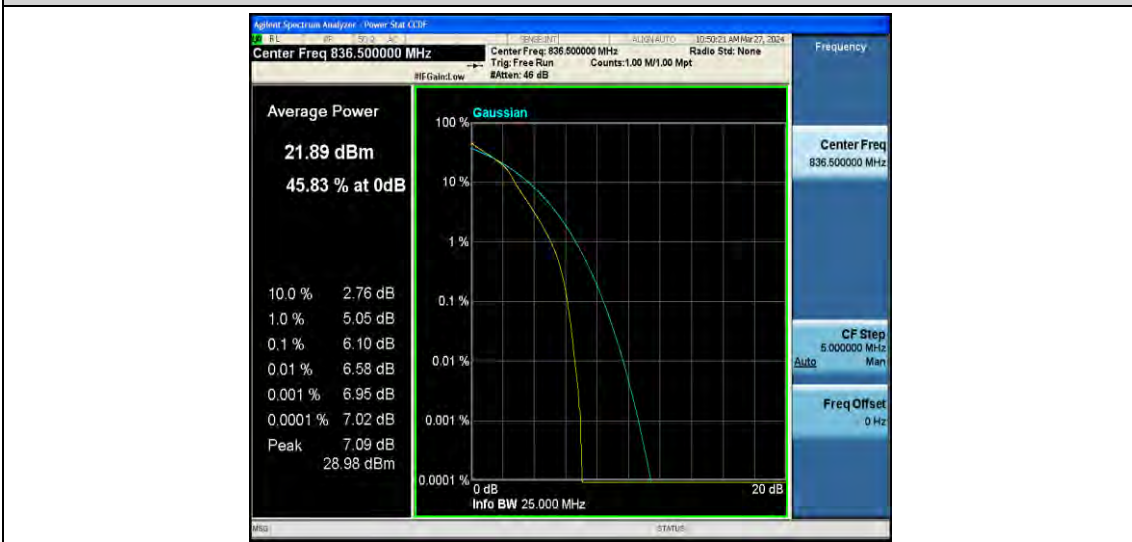
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Band5-5MHz-16QAM-20525-1RB#0



Band5-5MHz-16QAM-20525-25RB#0



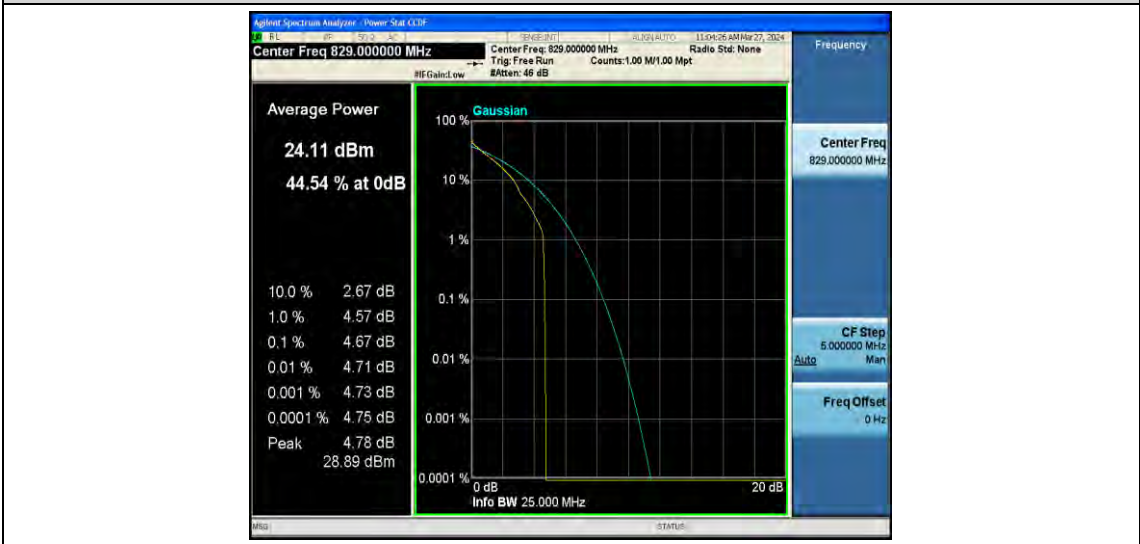
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Band5-5MHz-16QAM-20625-25RB#0



Band5-10MHz-QPSK-20450-1RB#0



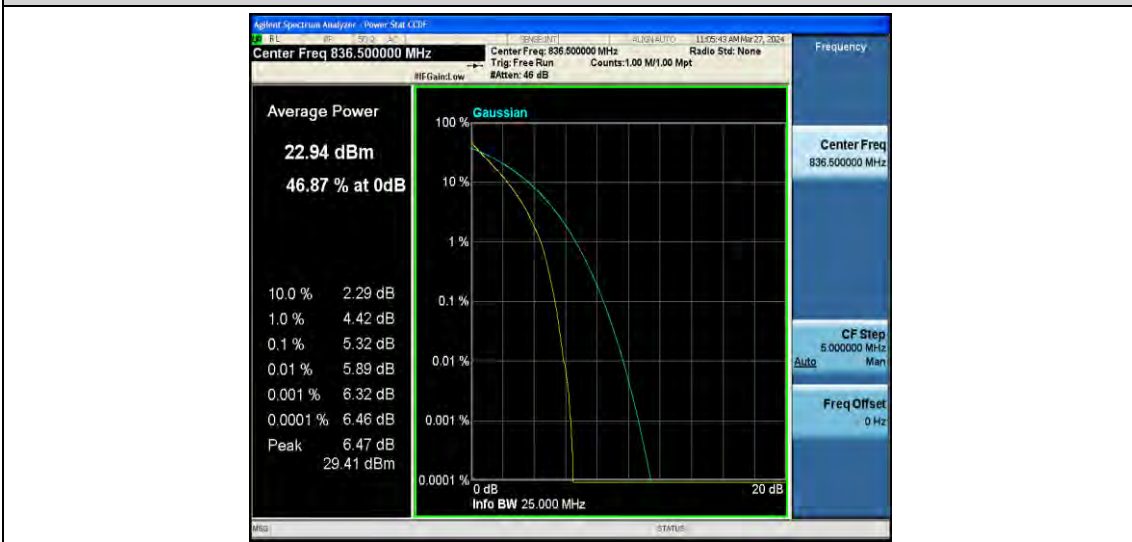
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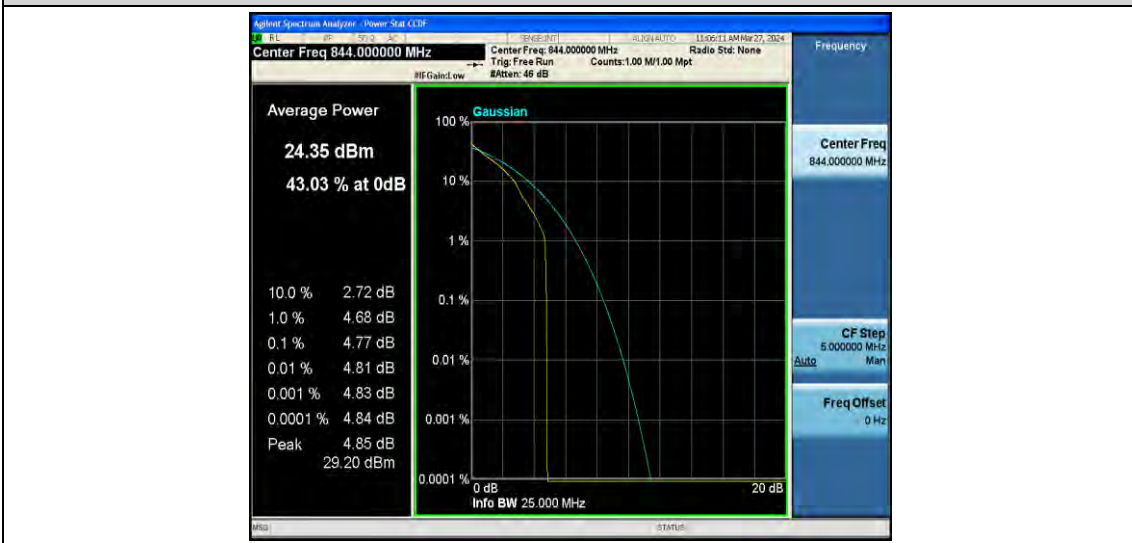
Band5-10MHz-QPSK-20525-1RB#0



Band5-10MHz-QPSK-20525-50RB#0



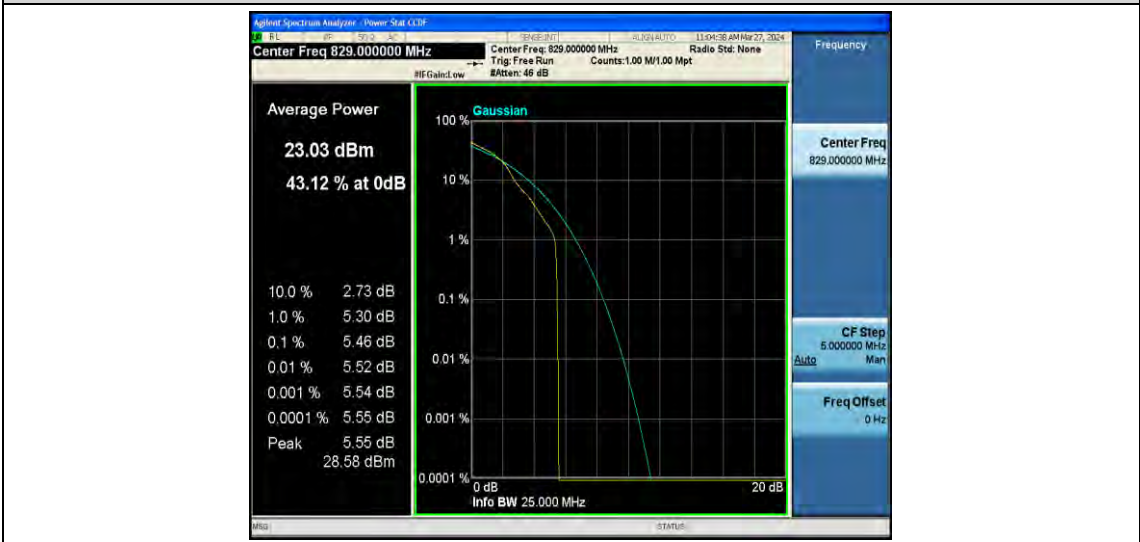
Band5-10MHz-QPSK-20600-1RB#0



Band5-10MHz-QPSK-20600-50RB#0



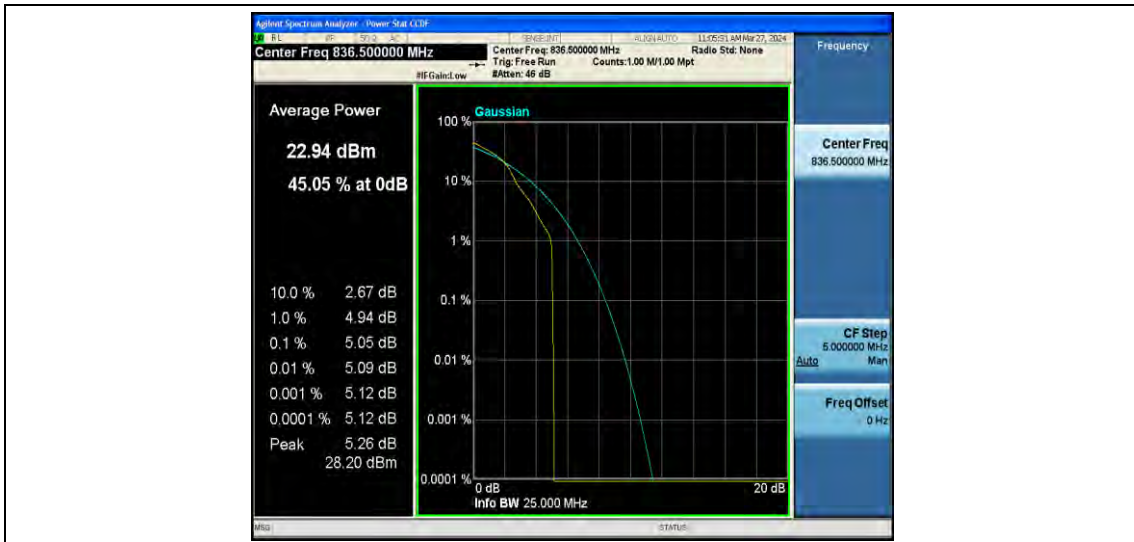
Band5-10MHz-16QAM-20450-1RB#0



Band5-10MHz-16QAM-20450-50RB#0



Band5-10MHz-16QAM-20525-1RB#0



Band5-10MHz-16QAM-20525-50RB#0



Band5-10MHz-16QAM-20600-1RB#0



Band5-10MHz-16QAM-20600-50RB#0

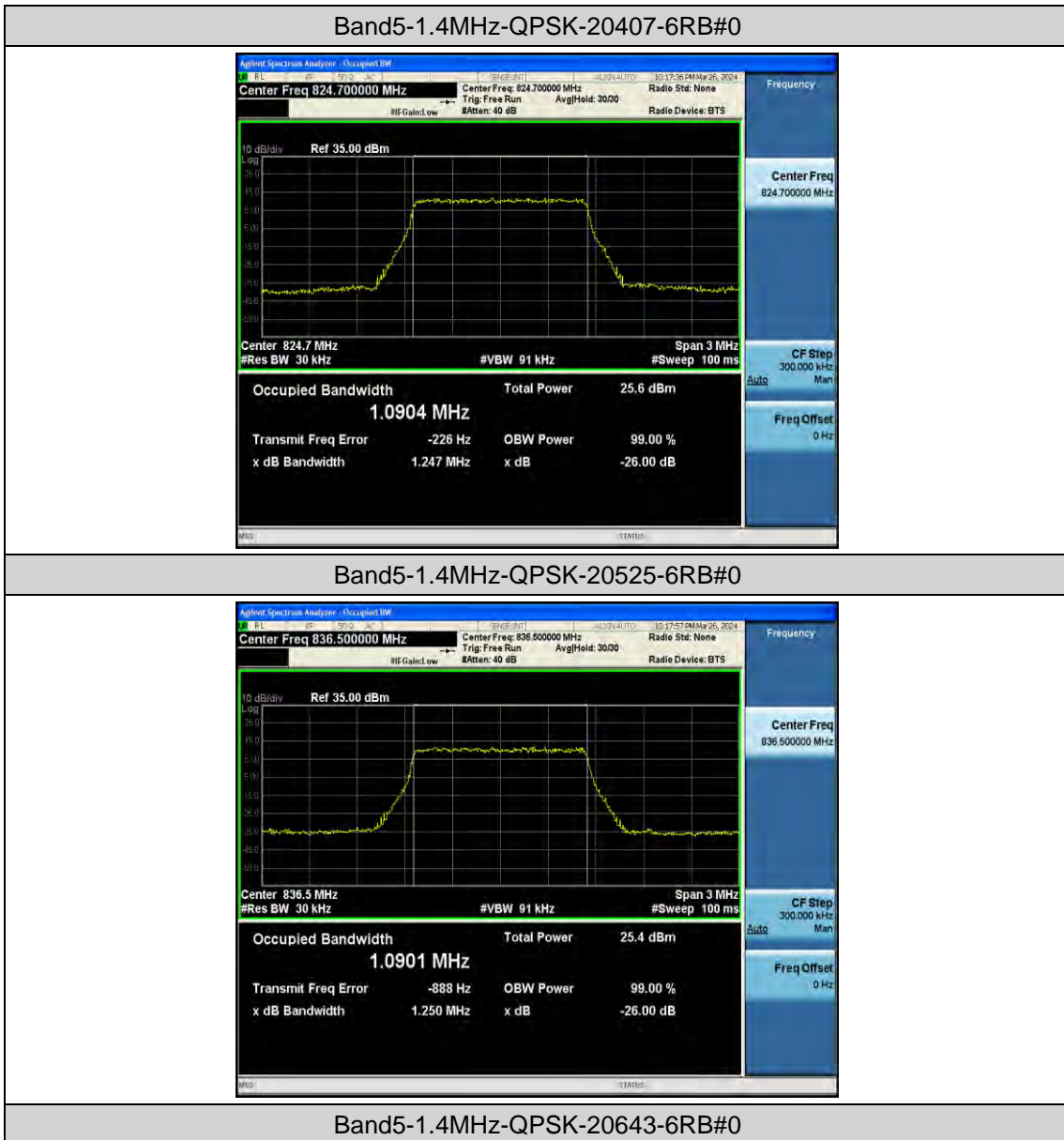


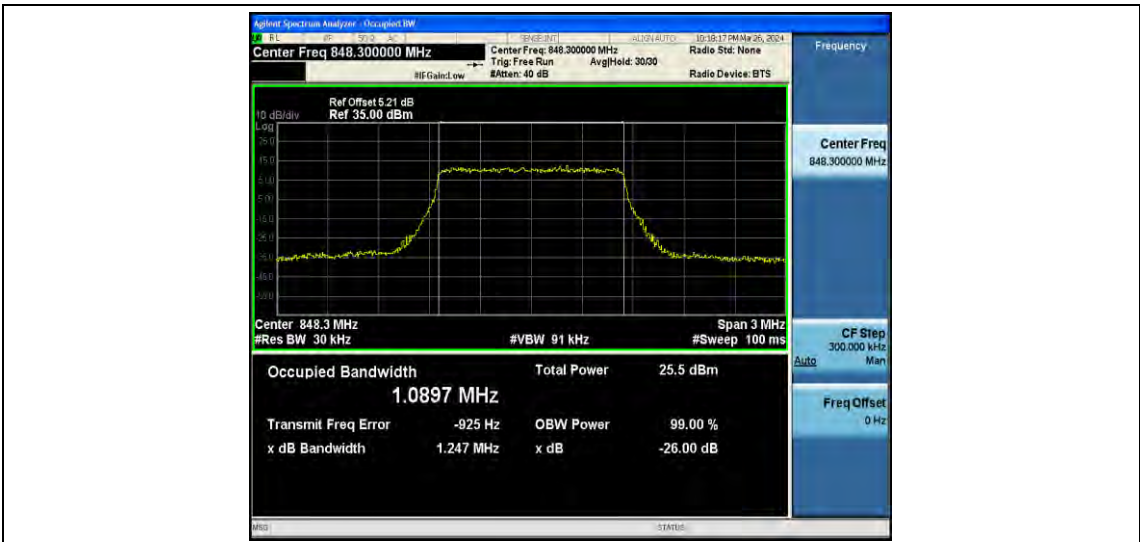
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

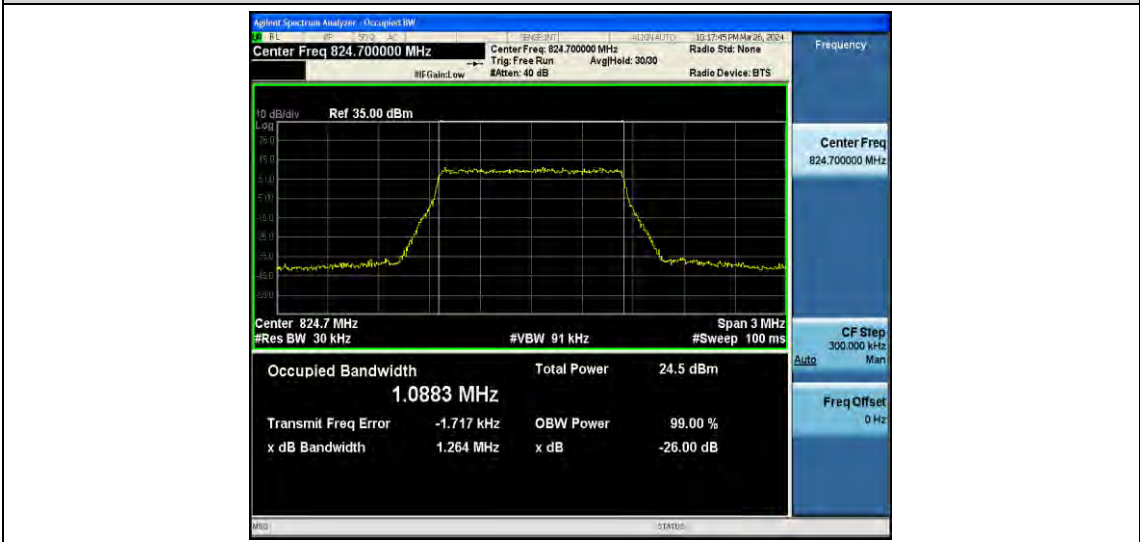
| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band5 | 1.4MHz | QPSK | 20407 | 6RB#0 | 1.0904 | 1.247 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | 1.0901 | 1.250 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 6RB#0 | 1.0897 | 1.247 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | 1.0883 | 1.264 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | 1.0917 | 1.269 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | 1.0894 | 1.265 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 15RB#0 | 2.6973 | 2.920 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | 2.6941 | 2.889 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 15RB#0 | 2.6892 | 2.906 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | 2.6921 | 2.919 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | 2.6909 | 2.933 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | 2.6918 | 2.917 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | 4.5019 | 4.885 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | 4.5047 | 4.884 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 25RB#0 | 4.4935 | 4.879 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | 4.5043 | 4.861 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | 4.5045 | 4.886 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 25RB#0 | 4.4986 | 4.850 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | 8.9472 | 9.558 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | 8.9813 | 9.589 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 50RB#0 | 8.9521 | 9.538 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | 8.9381 | 9.518 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | 8.9663 | 9.538 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | 8.9448 | 9.513 | PASS |

Test Graphs

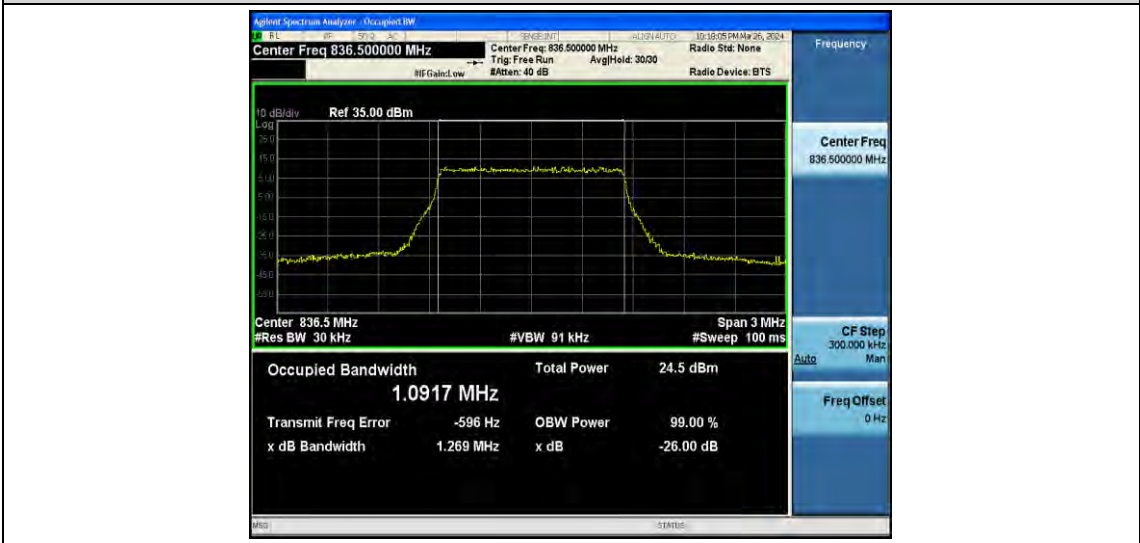




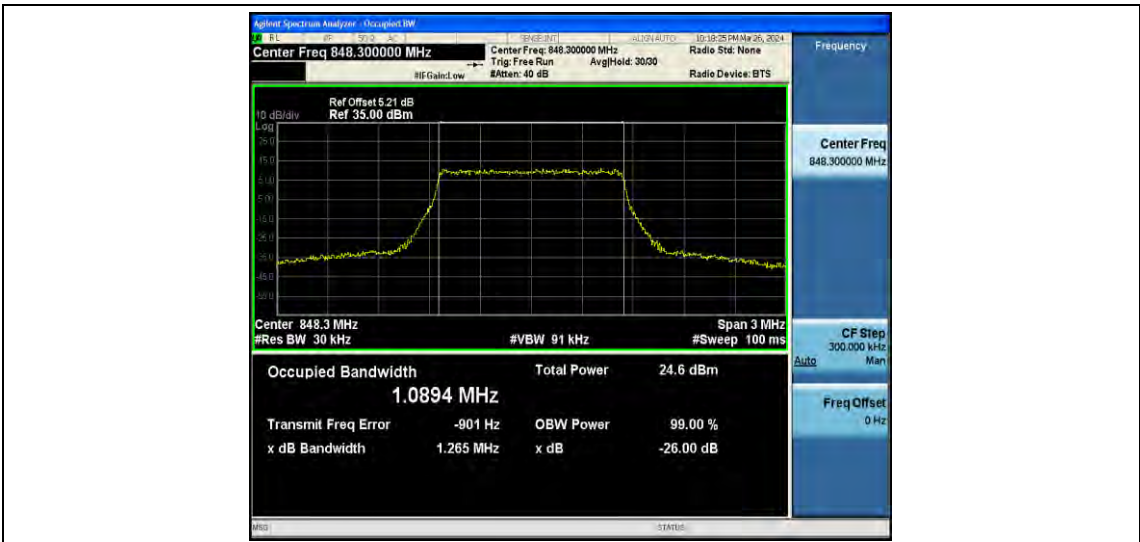
Band5-1.4MHz-16QAM-20407-6RB#0



Band5-1.4MHz-16QAM-20525-6RB#0



Band5-1.4MHz-16QAM-20643-6RB#0



Band5-3MHz-QPSK-20415-15RB#0



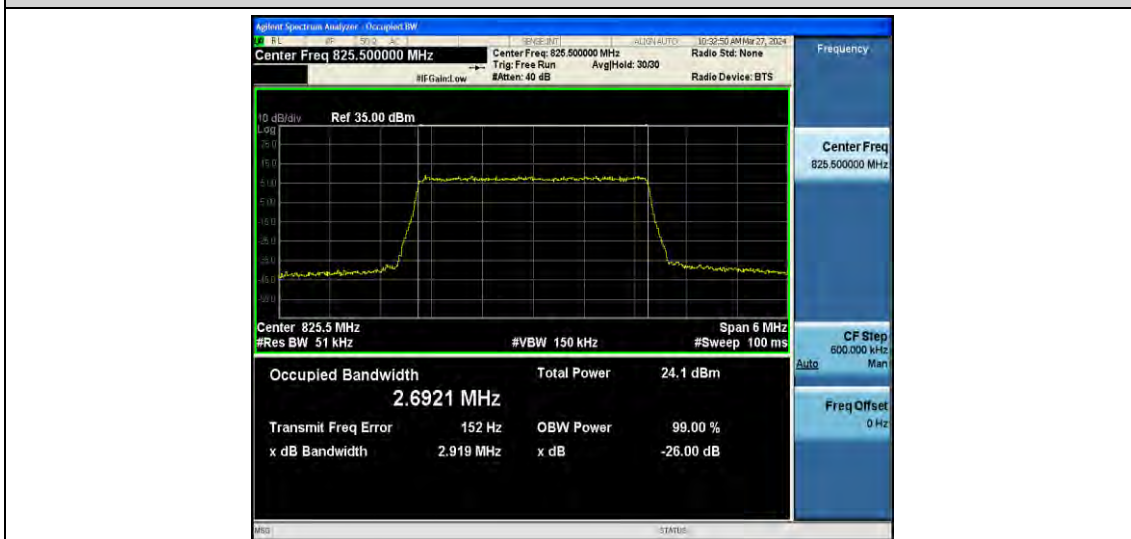
Band5-3MHz-QPSK-20525-15RB#0



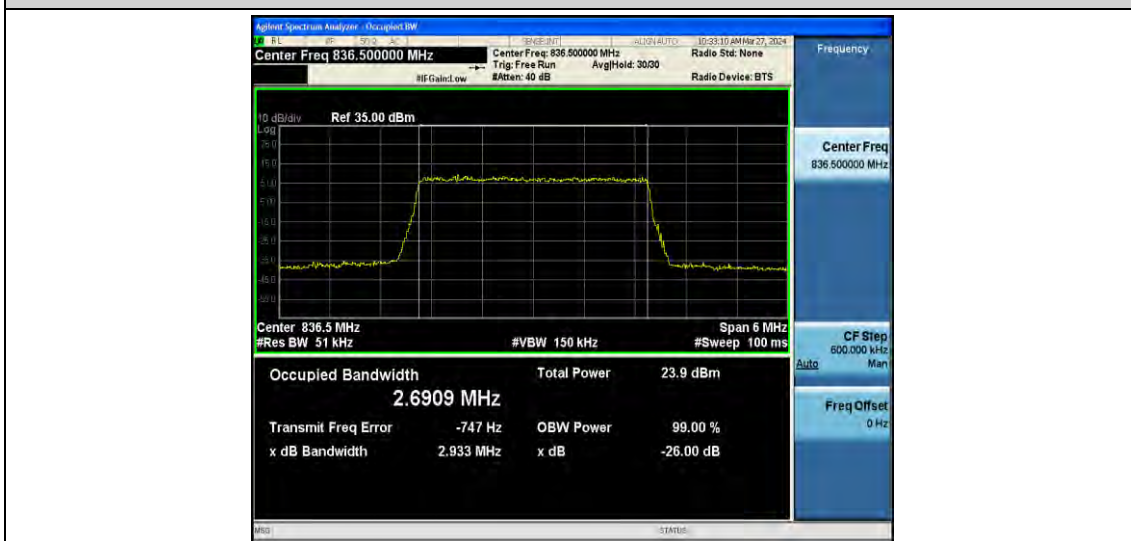
Band5-3MHz-QPSK-20635-15RB#0



Band5-3MHz-16QAM-20415-15RB#0



Band5-3MHz-16QAM-20525-15RB#0



Band5-3MHz-16QAM-20635-15RB#0



Band5-5MHz-QPSK-20425-25RB#0



Band5-5MHz-QPSK-20525-25RB#0



Band5-5MHz-QPSK-20625-25RB#0



Band5-5MHz-16QAM-20425-25RB#0



Band5-5MHz-16QAM-20525-25RB#0



Band5-5MHz-16QAM-20625-25RB#0



Band5-10MHz-QPSK-20450-50RB#0



Band5-10MHz-QPSK-20525-50RB#0



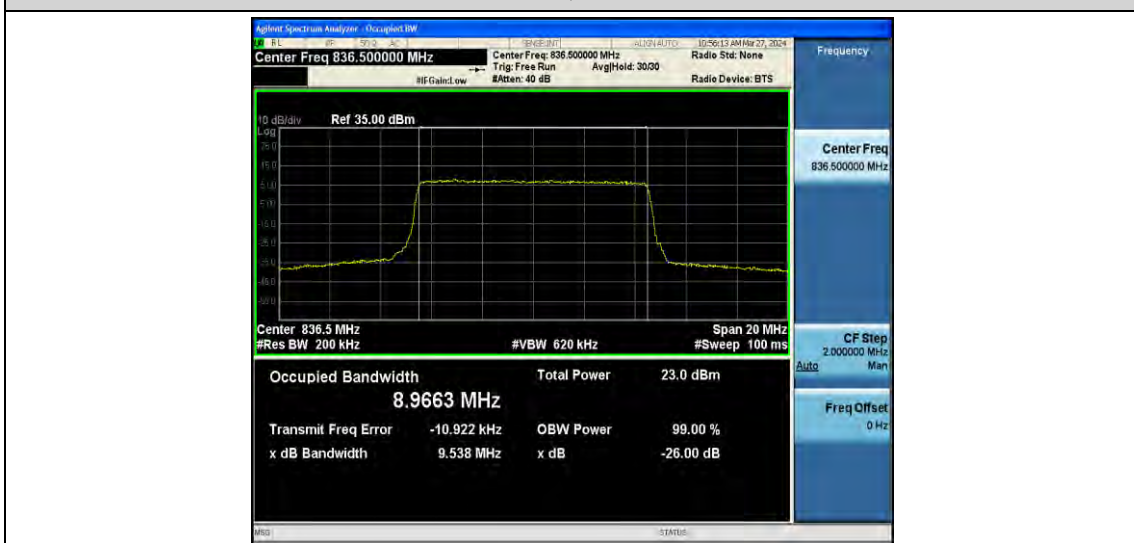
Band5-10MHz-QPSK-20600-50RB#0



Band5-10MHz-16QAM-20450-50RB#0



Band5-10MHz-16QAM-20525-50RB#0



Band5-10MHz-16QAM-20600-50RB#0



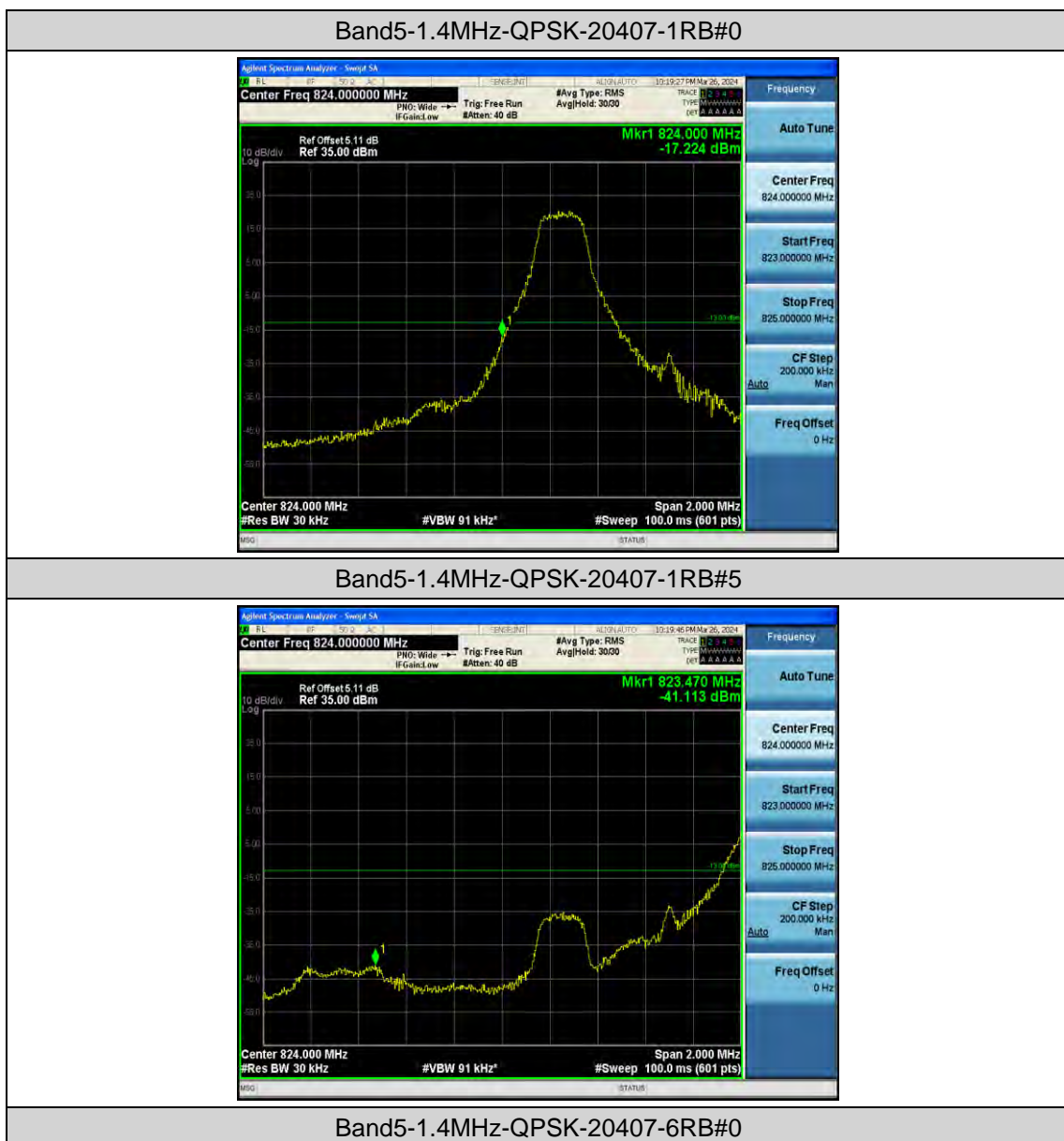
Appendix D: Band Edge

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|---------|
| Band5 | 1.4MHz | QPSK | 20407 | 1RB#0 | -17.22 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 1RB#5 | -41.11 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 6RB#0 | -24.39 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 1RB#0 | -37.05 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 1RB#5 | -16.95 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 6RB#0 | -22.63 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 1RB#0 | -18.10 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 1RB#5 | -42.06 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | -25.13 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#0 | -37.93 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#5 | -17.16 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | -24.44 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 1RB#0 | -15.52 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 1RB#14 | -40.96 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 15RB#0 | -22.19 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 1RB#0 | -41.23 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 1RB#14 | -14.95 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 15RB#0 | -20.92 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 1RB#0 | -15.85 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 1RB#14 | -41.45 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | -21.29 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#0 | -40.55 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#14 | -13.17 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | -22.33 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 1RB#0 | -18.40 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 1RB#24 | -52.52 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | -25.78 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 1RB#0 | -52.72 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 1RB#24 | -16.95 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 25RB#0 | -26.00 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#0 | -19.70 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#24 | -52.38 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | -28.02 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 1RB#0 | -52.91 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 1RB#24 | -19.03 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 25RB#0 | -27.90 | PASS |

| | | | | | | |
|-------|-------|-------|-------|--------|--------|------|
| Band5 | 10MHz | QPSK | 20450 | 1RB#0 | -20.69 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 1RB#49 | -43.61 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | -24.95 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 1RB#0 | -43.60 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 1RB#49 | -20.01 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 50RB#0 | -25.60 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0 | -20.33 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#49 | -41.30 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | -27.31 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0 | -42.65 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#49 | -21.36 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | -27.26 | PASS |

Test Graphs





Band5-1.4MHz-QPSK-20643-1RB#0



Band5-1.4MHz-QPSK-20643-1RB#5



Band5-1.4MHz-QPSK-20643-6RB#0



Band5-1.4MHz-16QAM-20407-1RB#0



Band5-1.4MHz-16QAM-20407-1RB#5



Band5-1.4MHz-16QAM-20407-6RB#0



Band5-1.4MHz-16QAM-20643-1RB#0



Band5-1.4MHz-16QAM-20643-1RB#5



Band5-1.4MHz-16QAM-20643-6RB#0



Band5-3MHz-QPSK-20415-1RB#0



Band5-3MHz-QPSK-20415-1RB#14



Band5-3MHz-QPSK-20415-15RB#0



Band5-3MHz-QPSK-20635-1RB#0



Band5-3MHz-QPSK-20635-1RB#14



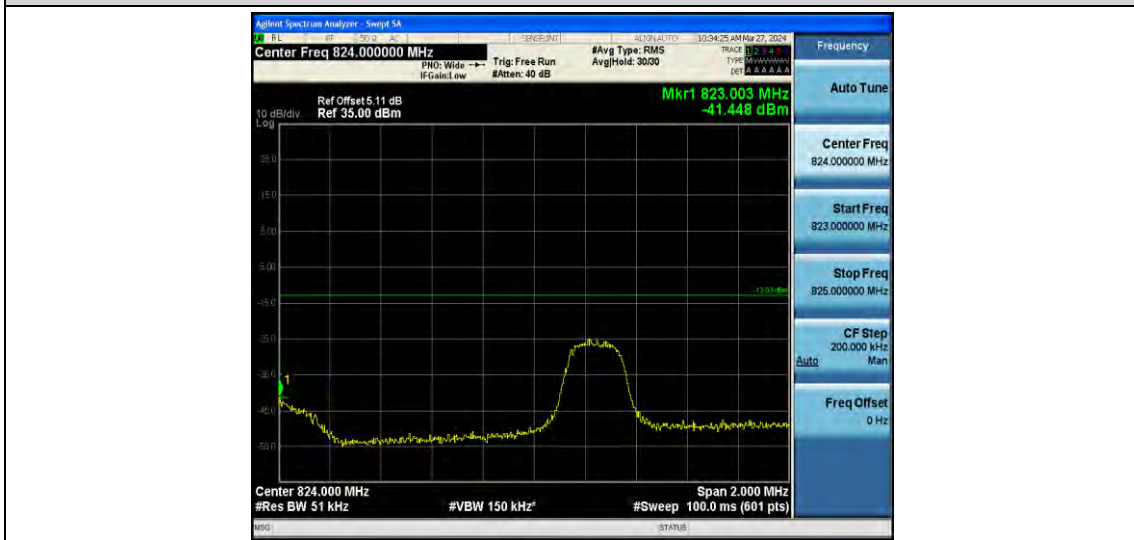
Band5-3MHz-QPSK-20635-15RB#0



Band5-3MHz-16QAM-20415-1RB#0



Band5-3MHz-16QAM-20415-1RB#14



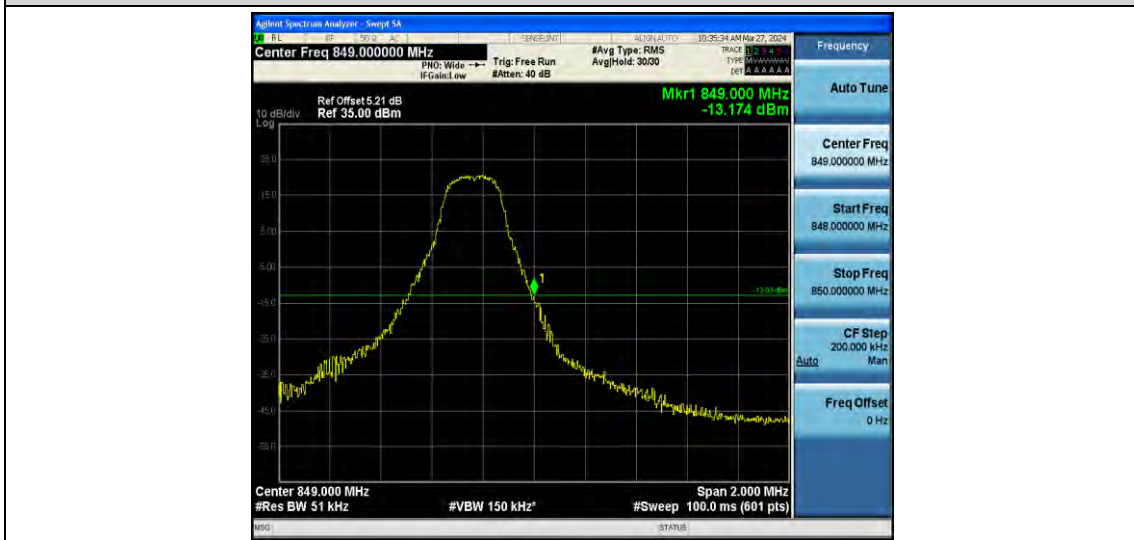
Band5-3MHz-16QAM-20415-15RB#0



Band5-3MHz-16QAM-20635-1RB#0



Band5-3MHz-16QAM-20635-1RB#14



Band5-3MHz-16QAM-20635-15RB#0



Band5-5MHz-QPSK-20425-1RB#0



Band5-5MHz-QPSK-20425-1RB#24



Band5-5MHz-QPSK-20425-25RB#0



Band5-5MHz-QPSK-20625-1RB#0



Band5-5MHz-QPSK-20625-1RB#24



Band5-5MHz-QPSK-20625-25RB#0



Band5-5MHz-16QAM-20425-1RB#0



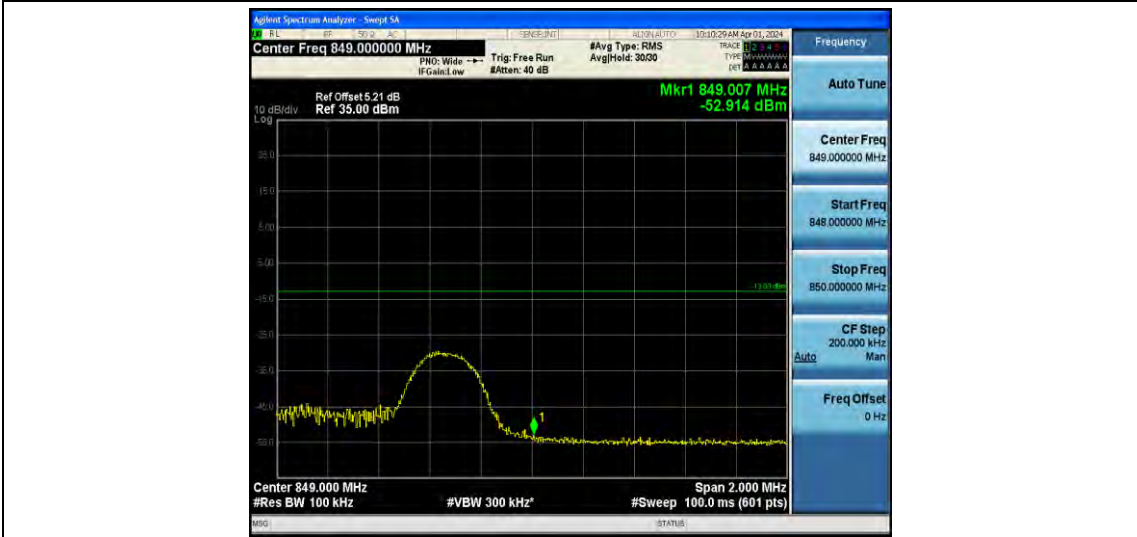
Band5-5MHz-16QAM-20425-1RB#24



Band5-5MHz-16QAM-20425-25RB#0



Band5-5MHz-16QAM-20625-1RB#0



Band5-5MHz-16QAM-20625-1RB#24



Band5-5MHz-16QAM-20625-25RB#0



Band5-10MHz-QPSK-20450-1RB#0



Band5-10MHz-QPSK-20450-1RB#49



Band5-10MHz-QPSK-20450-50RB#0



Band5-10MHz-QPSK-20600-1RB#0



Band5-10MHz-QPSK-20600-1RB#49



Band5-10MHz-QPSK-20600-50RB#0



Band5-10MHz-16QAM-20450-1RB#0



Band5-10MHz-16QAM-20450-1RB#49



Band5-10MHz-16QAM-20450-50RB#0



Band5-10MHz-16QAM-20600-1RB#0



Band5-10MHz-16QAM-20600-1RB#49



Band5-10MHz-16QAM-20600-50RB#0



Appendix E: Conducted Spurious Emission

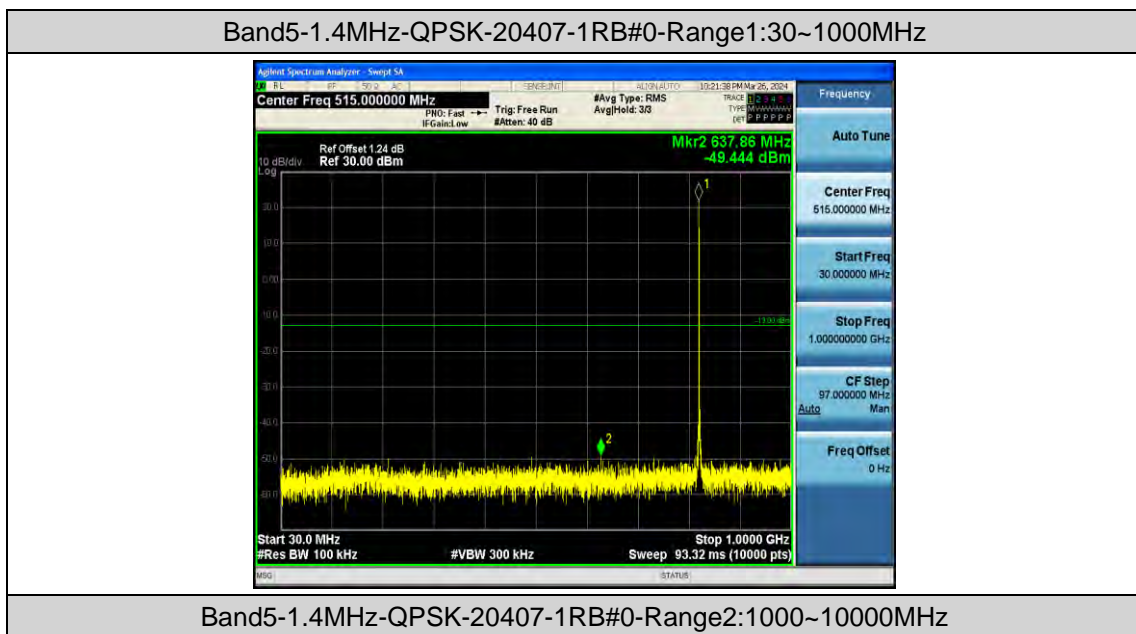
Test Result

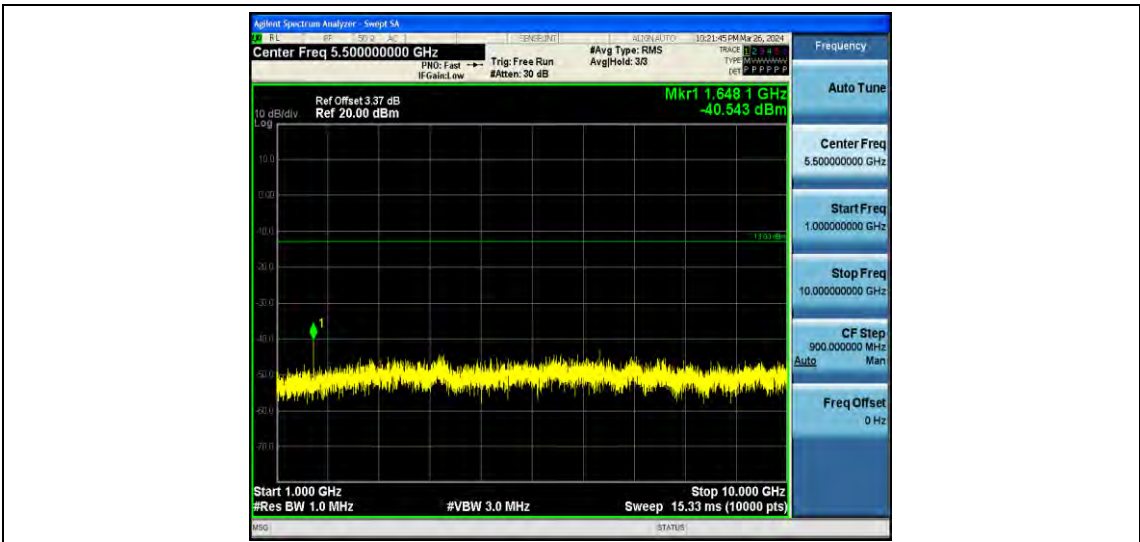
| Band | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range | Result (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|----------------------|--------------|---------|
| Band 5 | 1.4MHz | QPSK | 20407 | 1RB#0 | Range1:30~1000MHz | -49.4 4 | PASS |
| Band 5 | 1.4MHz | QPSK | 20407 | 1RB#0 | Range2:1000~10000MHz | -40.5 4 | PASS |
| Band 5 | 1.4MHz | QPSK | 20525 | 1RB#0 | Range1:30~1000MHz | -49.9 4 | PASS |
| Band 5 | 1.4MHz | QPSK | 20525 | 1RB#0 | Range2:1000~10000MHz | -36.7 | PASS |
| Band 5 | 1.4MHz | QPSK | 20643 | 1RB#0 | Range1:30~1000MHz | -49.4 2 | PASS |
| Band 5 | 1.4MHz | QPSK | 20643 | 1RB#0 | Range2:1000~10000MHz | -37.2 6 | PASS |
| Band 5 | 1.4MHz | 16QAM | 20407 | 1RB#0 | Range1:30~1000MHz | -49.7 6 | PASS |
| Band 5 | 1.4MHz | 16QAM | 20407 | 1RB#0 | Range2:1000~10000MHz | -43.0 6 | PASS |
| Band 5 | 1.4MHz | 16QAM | 20525 | 1RB#0 | Range1:30~1000MHz | -50.1 2 | PASS |
| Band 5 | 1.4MHz | 16QAM | 20525 | 1RB#0 | Range2:1000~10000MHz | -38.9 4 | PASS |
| Band 5 | 1.4MHz | 16QAM | 20643 | 1RB#0 | Range1:30~1000MHz | -49.3 5 | PASS |
| Band 5 | 1.4MHz | 16QAM | 20643 | 1RB#0 | Range2:1000~10000MHz | -41.8 | PASS |
| Band 5 | 3MHz | QPSK | 20415 | 1RB#0 | Range1:30~1000MHz | -49.1 1 | PASS |
| Band 5 | 3MHz | QPSK | 20415 | 1RB#0 | Range2:1000~10000MHz | -42.5 4 | PASS |
| Band 5 | 3MHz | QPSK | 20525 | 1RB#0 | Range1:30~1000MHz | -50.3 1 | PASS |
| Band 5 | 3MHz | QPSK | 20525 | 1RB#0 | Range2:1000~10000MHz | -42.9 5 | PASS |
| Band 5 | 3MHz | QPSK | 20635 | 1RB#0 | Range1:30~1000MHz | -48.4 | PASS |
| Band 5 | 3MHz | QPSK | 20635 | 1RB#0 | Range2:1000~10000MHz | -41.4 | PASS |

| | | | | | | | |
|--------|-------|-------|-------|-------|----------------------|--------|-------|
| 5 | | | | | Hz | | S |
| Band 5 | 3MHz | 16QAM | 20415 | 1RB#0 | Range1:30~1000MHz | -48.94 | PAS S |
| Band 5 | 3MHz | 16QAM | 20415 | 1RB#0 | Range2:1000~10000MHz | -42.39 | PAS S |
| Band 5 | 3MHz | 16QAM | 20525 | 1RB#0 | Range1:30~1000MHz | -48.63 | PAS S |
| Band 5 | 3MHz | 16QAM | 20525 | 1RB#0 | Range2:1000~10000MHz | -43.9 | PAS S |
| Band 5 | 3MHz | 16QAM | 20635 | 1RB#0 | Range1:30~1000MHz | -49.48 | PAS S |
| Band 5 | 3MHz | 16QAM | 20635 | 1RB#0 | Range2:1000~10000MHz | -40.7 | PAS S |
| Band 5 | 5MHz | QPSK | 20425 | 1RB#0 | Range1:30~1000MHz | -48.63 | PAS S |
| Band 5 | 5MHz | QPSK | 20425 | 1RB#0 | Range2:1000~10000MHz | -42.89 | PAS S |
| Band 5 | 5MHz | QPSK | 20525 | 1RB#0 | Range1:30~1000MHz | -49.61 | PAS S |
| Band 5 | 5MHz | QPSK | 20525 | 1RB#0 | Range2:1000~10000MHz | -40.6 | PAS S |
| Band 5 | 5MHz | QPSK | 20625 | 1RB#0 | Range1:30~1000MHz | -48.73 | PAS S |
| Band 5 | 5MHz | QPSK | 20625 | 1RB#0 | Range2:1000~10000MHz | -37.79 | PAS S |
| Band 5 | 5MHz | 16QAM | 20425 | 1RB#0 | Range1:30~1000MHz | -49.39 | PAS S |
| Band 5 | 5MHz | 16QAM | 20425 | 1RB#0 | Range2:1000~10000MHz | -42.22 | PAS S |
| Band 5 | 5MHz | 16QAM | 20525 | 1RB#0 | Range1:30~1000MHz | -49.83 | PAS S |
| Band 5 | 5MHz | 16QAM | 20525 | 1RB#0 | Range2:1000~10000MHz | -42.48 | PAS S |
| Band 5 | 5MHz | 16QAM | 20625 | 1RB#0 | Range1:30~1000MHz | -49.41 | PAS S |
| Band 5 | 5MHz | 16QAM | 20625 | 1RB#0 | Range2:1000~10000MHz | -42.55 | PAS S |
| Band 5 | 10MHz | QPSK | 20450 | 1RB#0 | Range1:30~1000MHz | -49.79 | PAS S |
| Band 5 | 10MHz | QPSK | 20450 | 1RB#0 | Range2:1000~10000MHz | -43.03 | PAS S |
| Band 5 | 10MHz | QPSK | 20525 | 1RB#0 | Range1:30~1000MHz | -49.55 | PAS S |

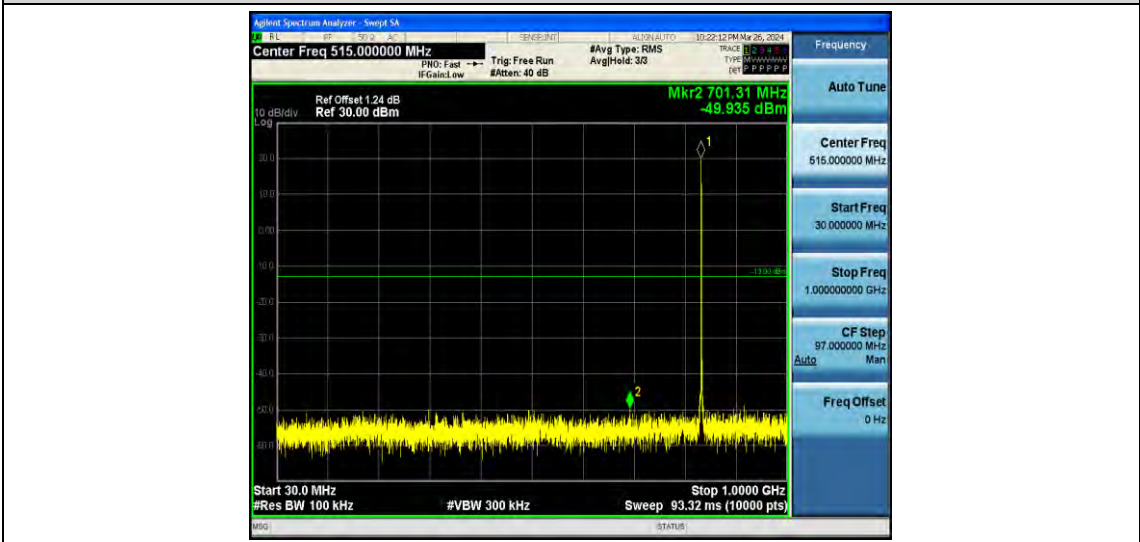
| | | | | | | | |
|--------|-------|-------|-------|-------|-----------------------|--------|-------|
| Band 5 | 10MHz | QPSK | 20525 | 1RB#0 | Range2:1000~10000M Hz | -42.8 | PAS S |
| Band 5 | 10MHz | QPSK | 20600 | 1RB#0 | Range1:30~1000MHz | -49.13 | PAS S |
| Band 5 | 10MHz | QPSK | 20600 | 1RB#0 | Range2:1000~10000M Hz | -38.59 | PAS S |
| Band 5 | 10MHz | 16QAM | 20450 | 1RB#0 | Range1:30~1000MHz | -49.79 | PAS S |
| Band 5 | 10MHz | 16QAM | 20450 | 1RB#0 | Range2:1000~10000M Hz | -42.88 | PAS S |
| Band 5 | 10MHz | 16QAM | 20525 | 1RB#0 | Range1:30~1000MHz | -49.38 | PAS S |
| Band 5 | 10MHz | 16QAM | 20525 | 1RB#0 | Range2:1000~10000M Hz | -41.62 | PAS S |
| Band 5 | 10MHz | 16QAM | 20600 | 1RB#0 | Range1:30~1000MHz | -49.67 | PAS S |
| Band 5 | 10MHz | 16QAM | 20600 | 1RB#0 | Range2:1000~10000M Hz | -43.52 | PAS S |

Test Graphs

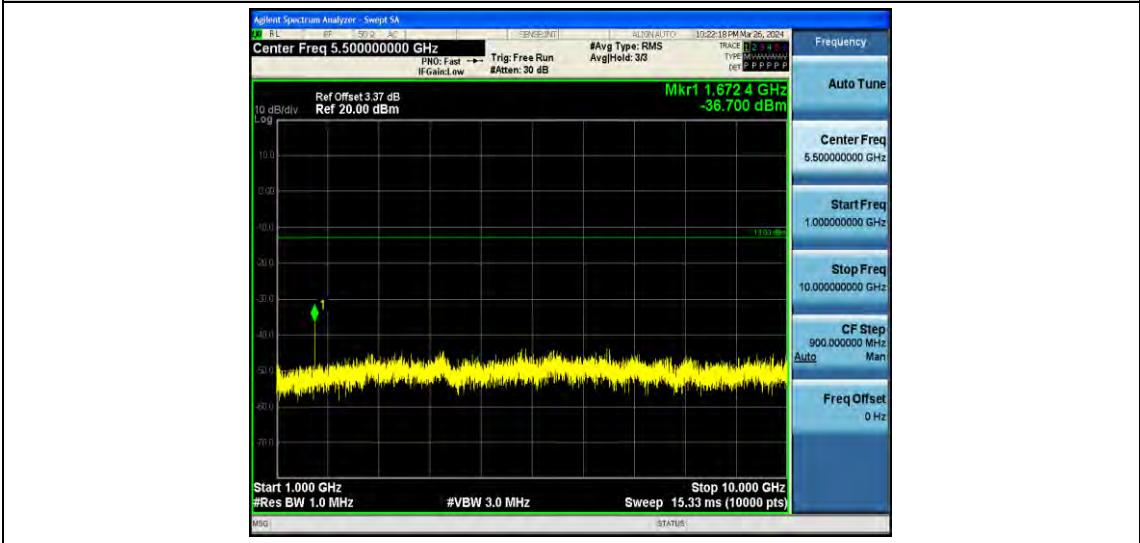




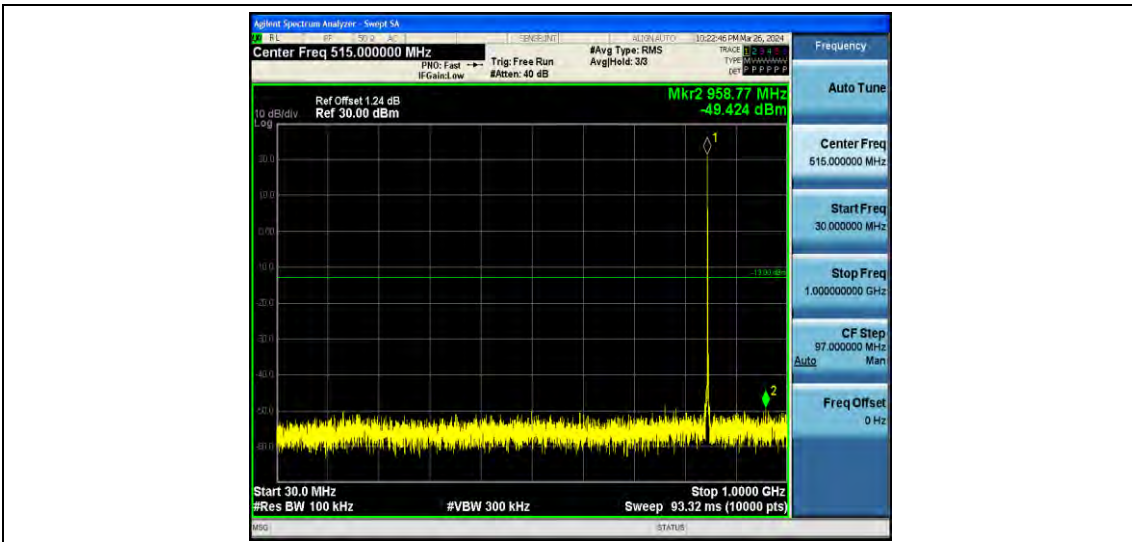
Band5-1.4MHz-QPSK-20525-1RB#0-Range1:30~1000MHz



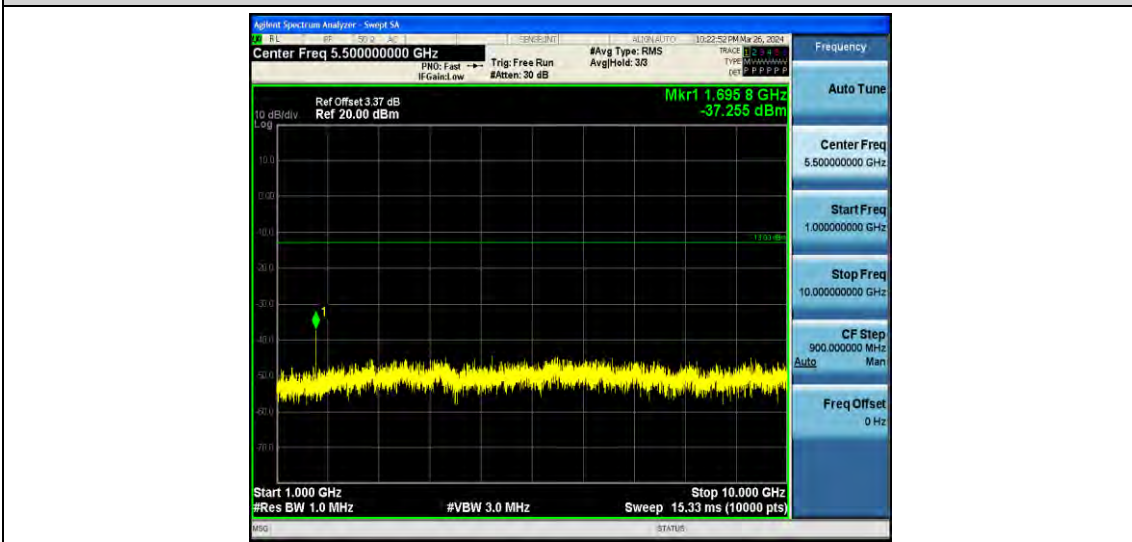
Band5-1.4MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



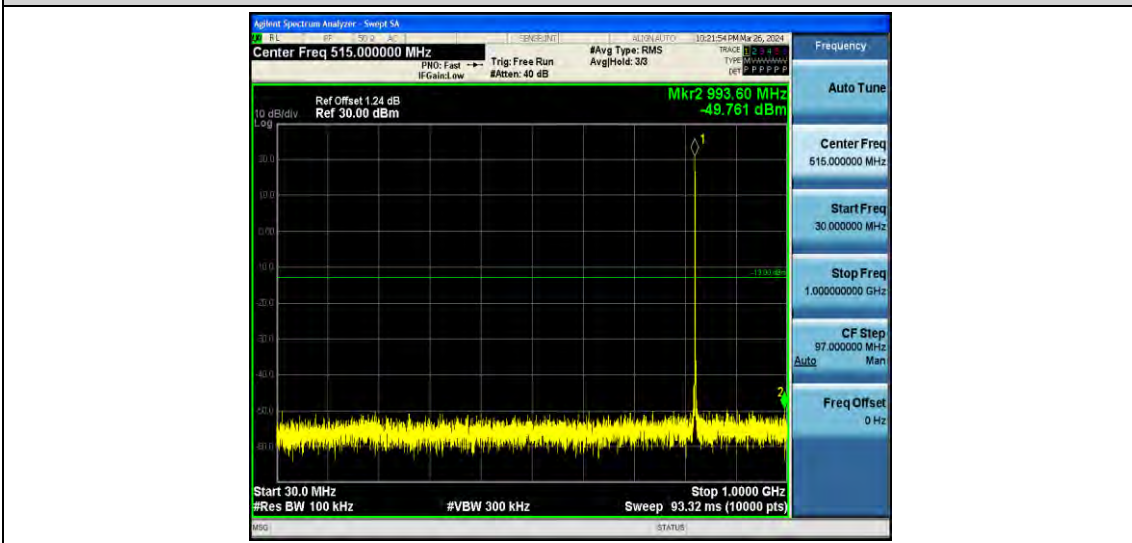
Band5-1.4MHz-QPSK-20643-1RB#0-Range1:30~1000MHz



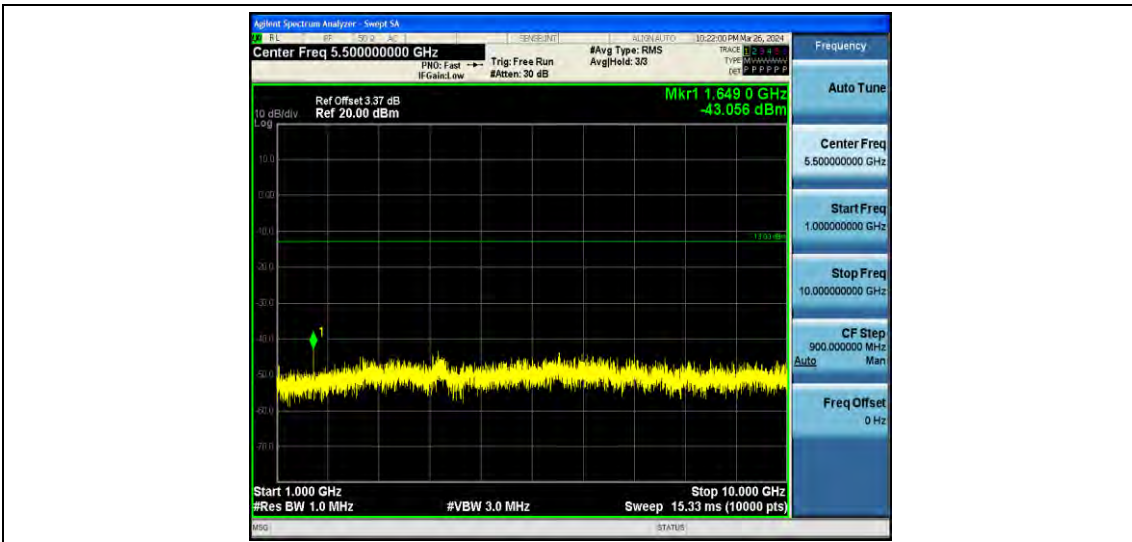
Band5-1.4MHz-QPSK-20643-1RB#0-Range2:1000~10000MHz



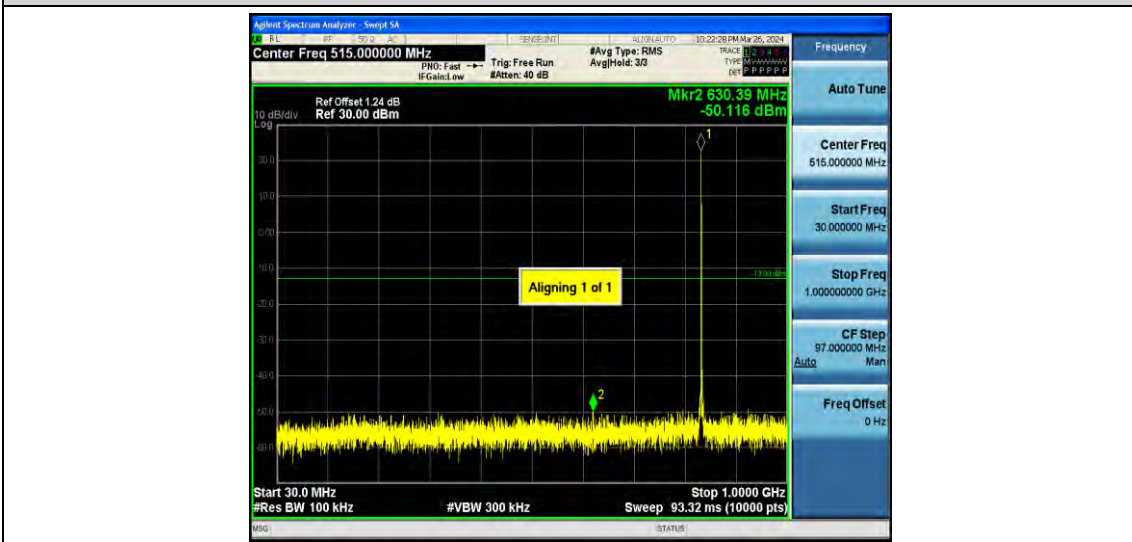
Band5-1.4MHz-16QAM-20407-1RB#0-Range1:30~1000MHz



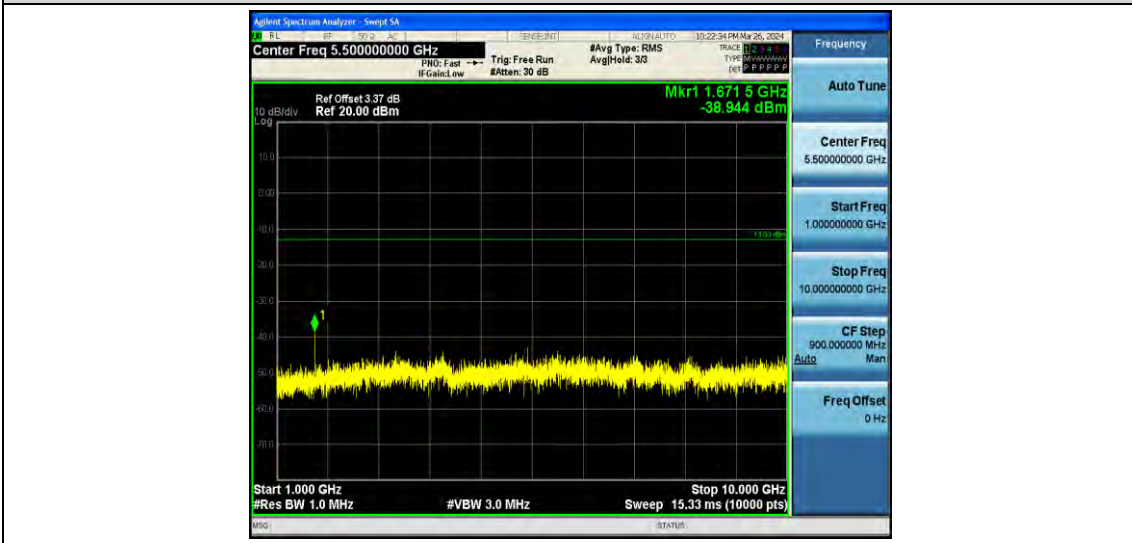
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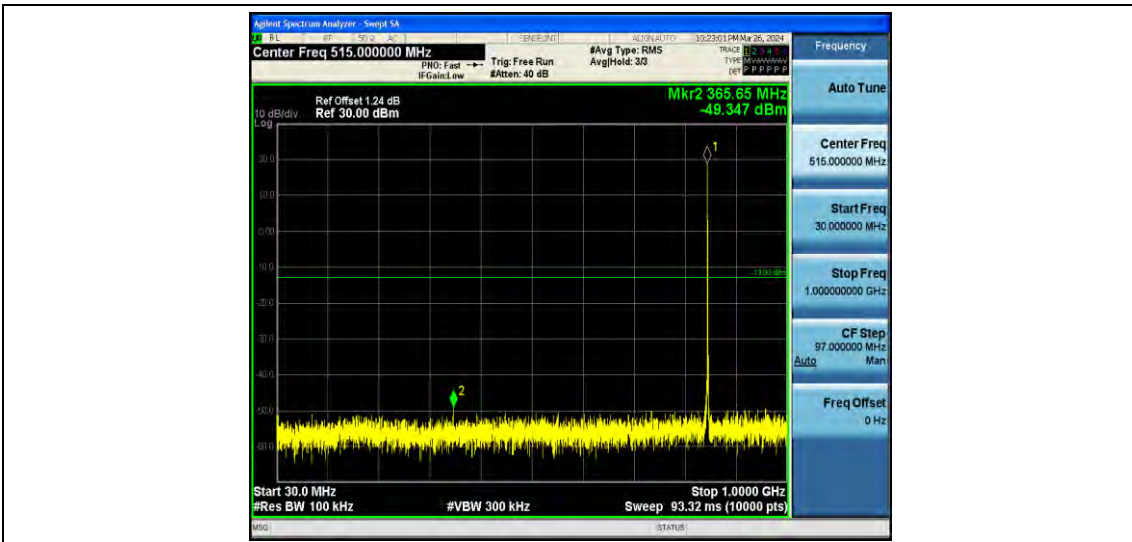
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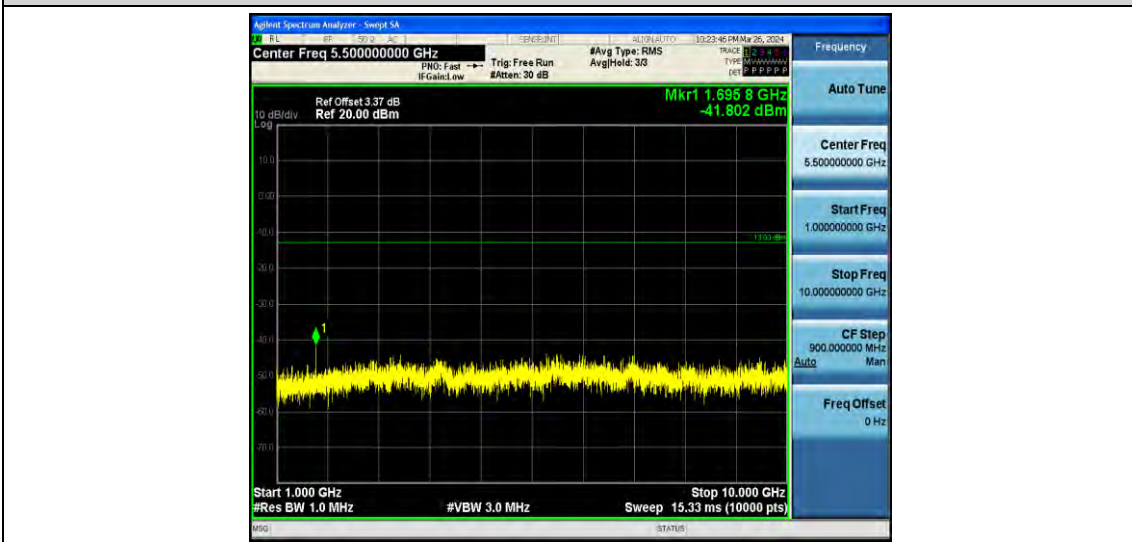
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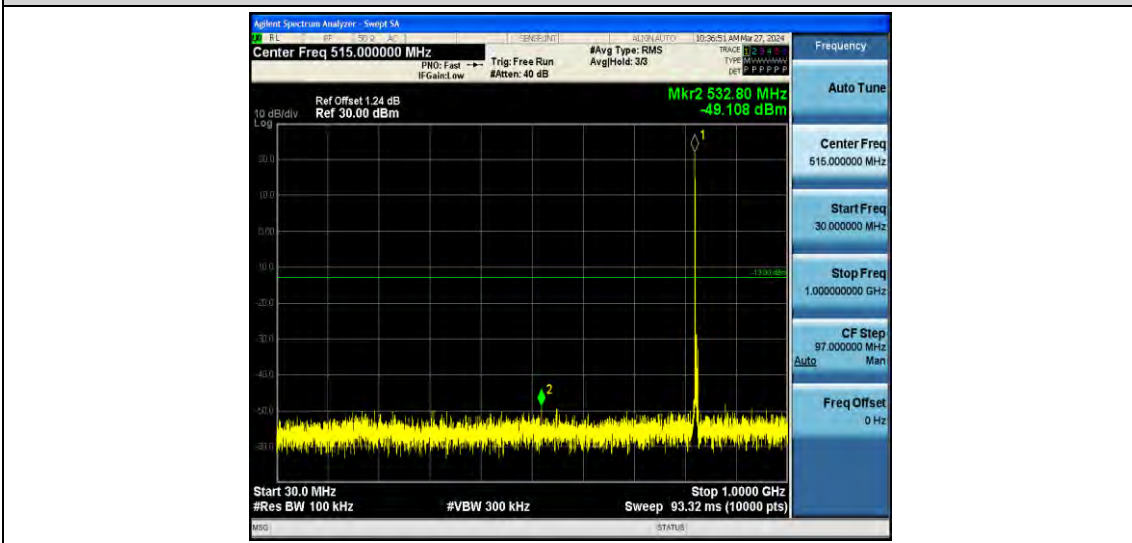
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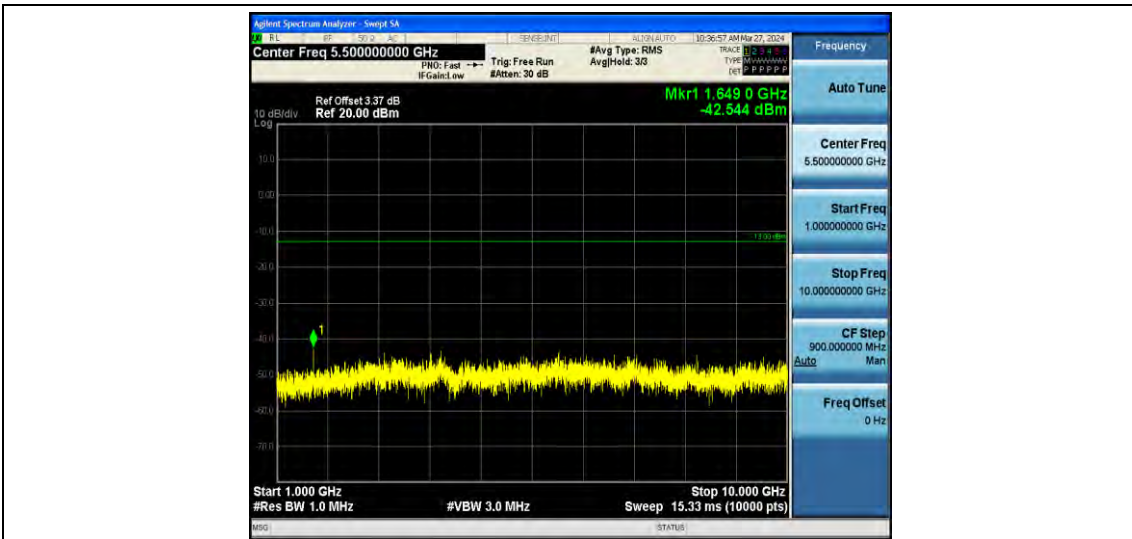
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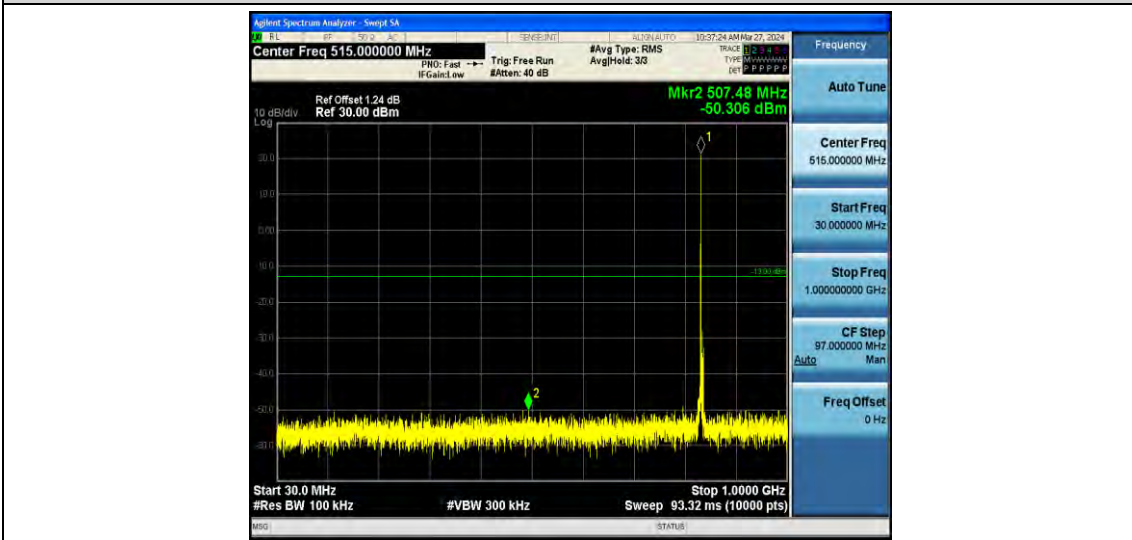
Band5-3MHz-QPSK-20415-1RB#0-Range1:30~1000MHz



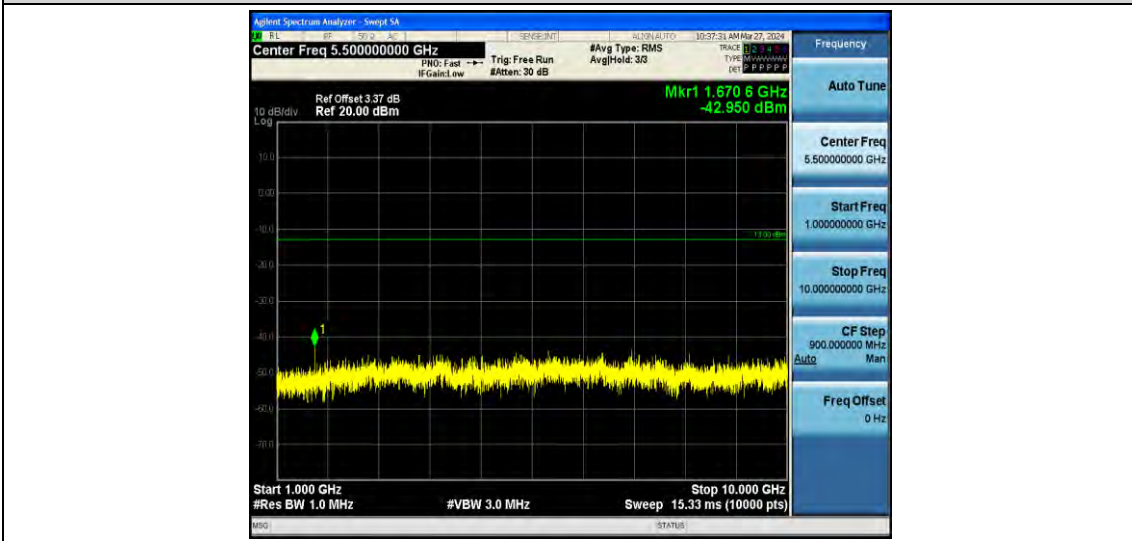
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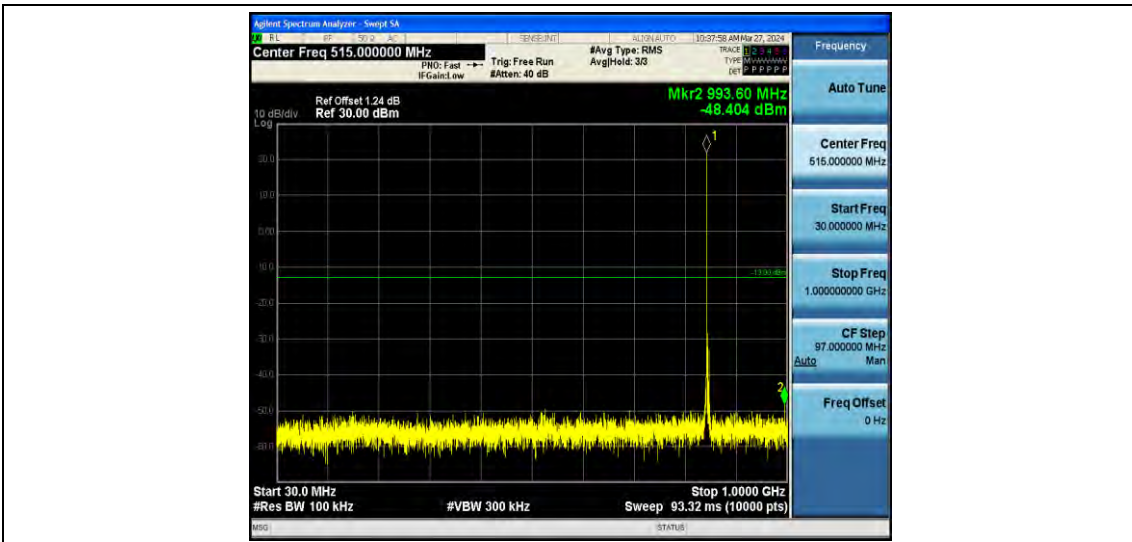
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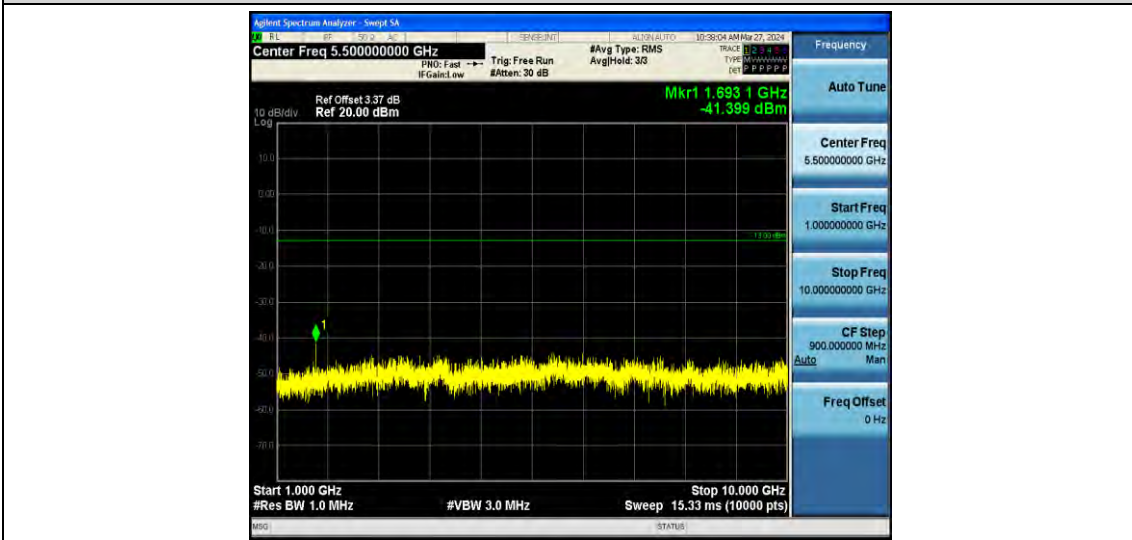
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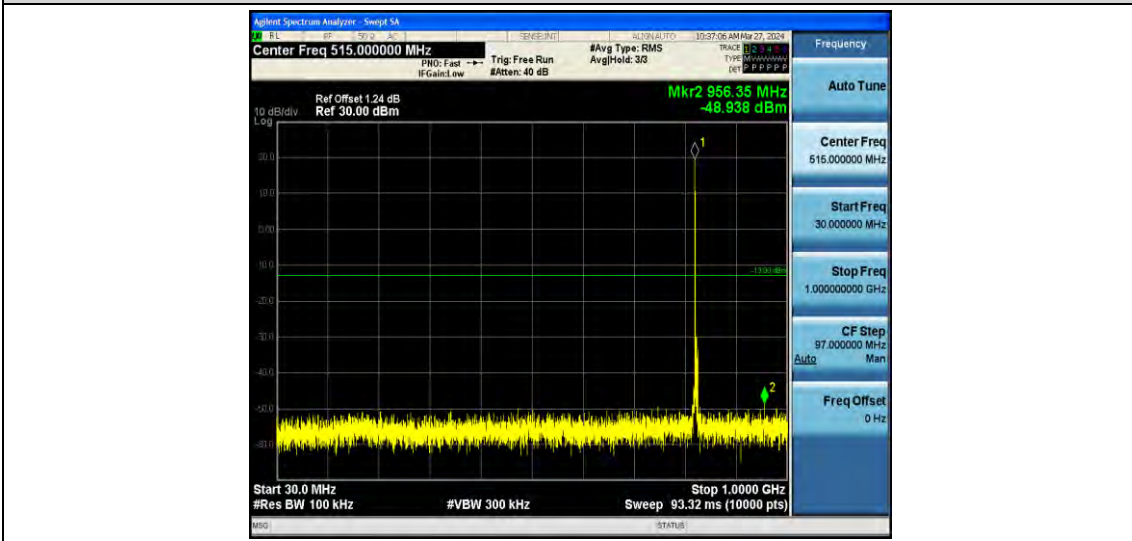
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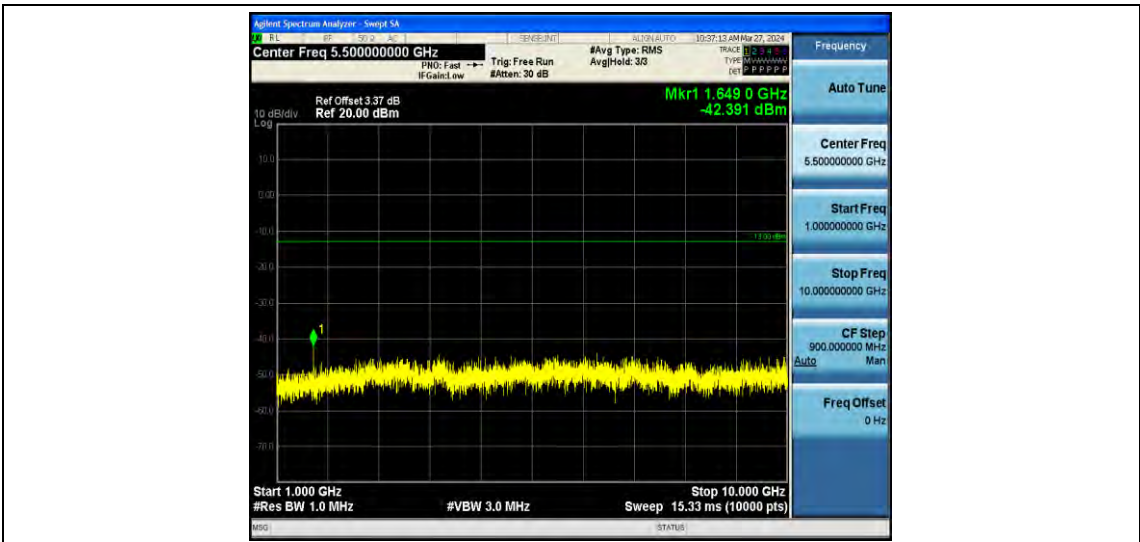
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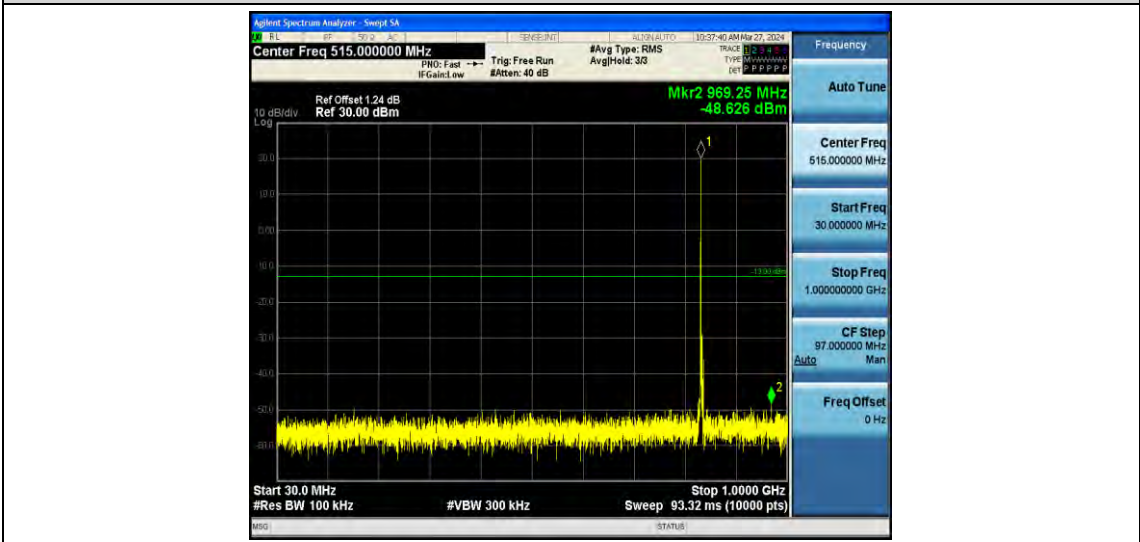
Band5-3MHz-16QAM-20415-1RB#0-Range1:30~1000MHz



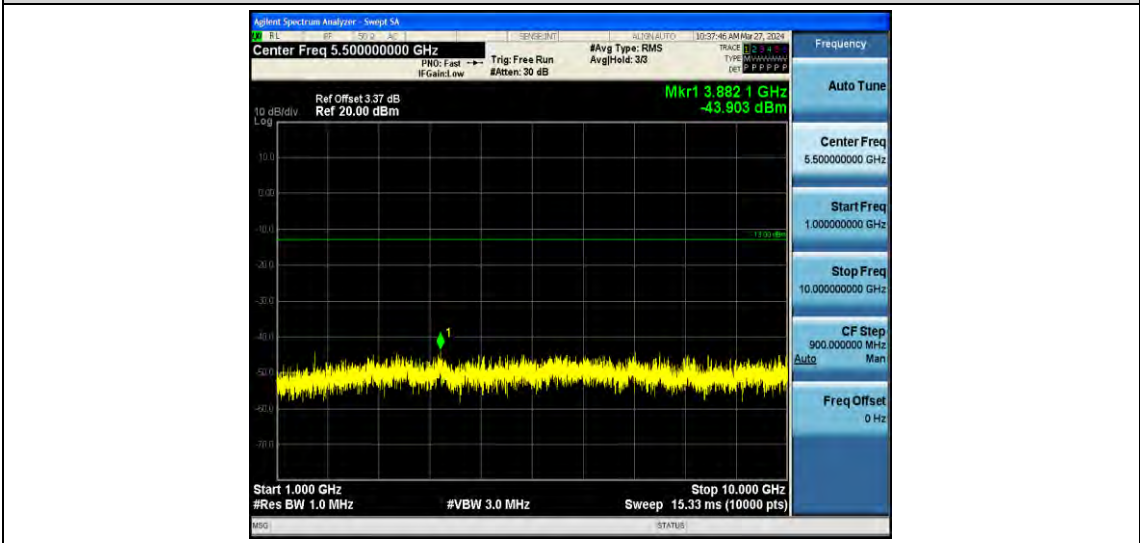
Band5-3MHz-16QAM-20415-1RB#0-Range2:1000~10000MHz



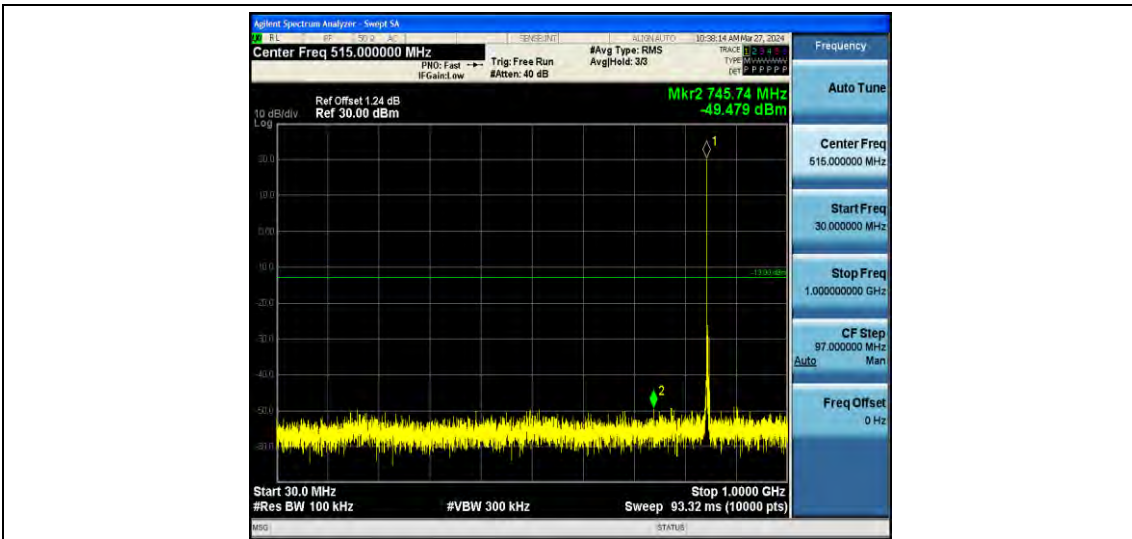
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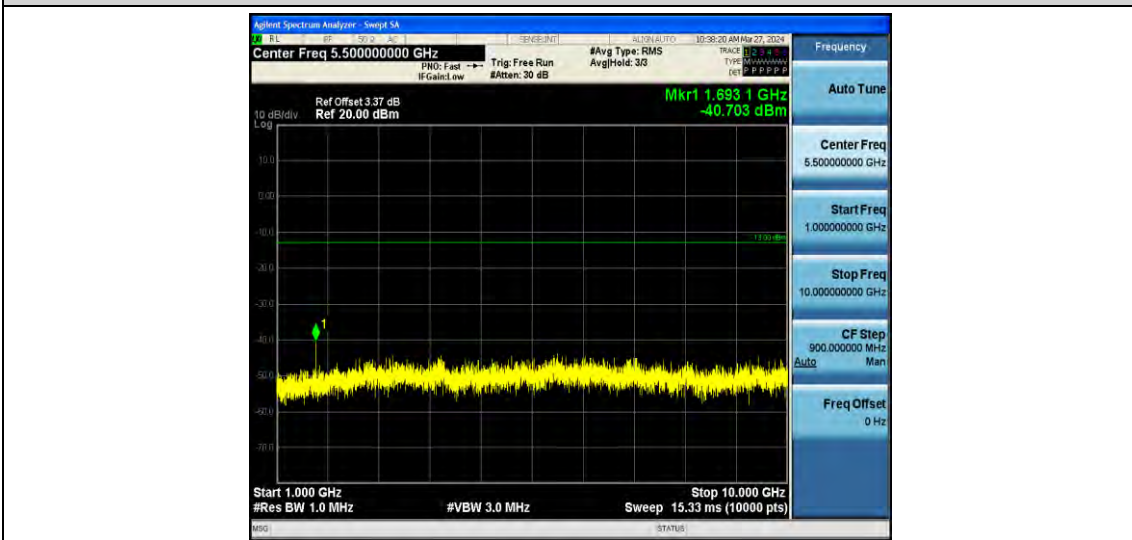
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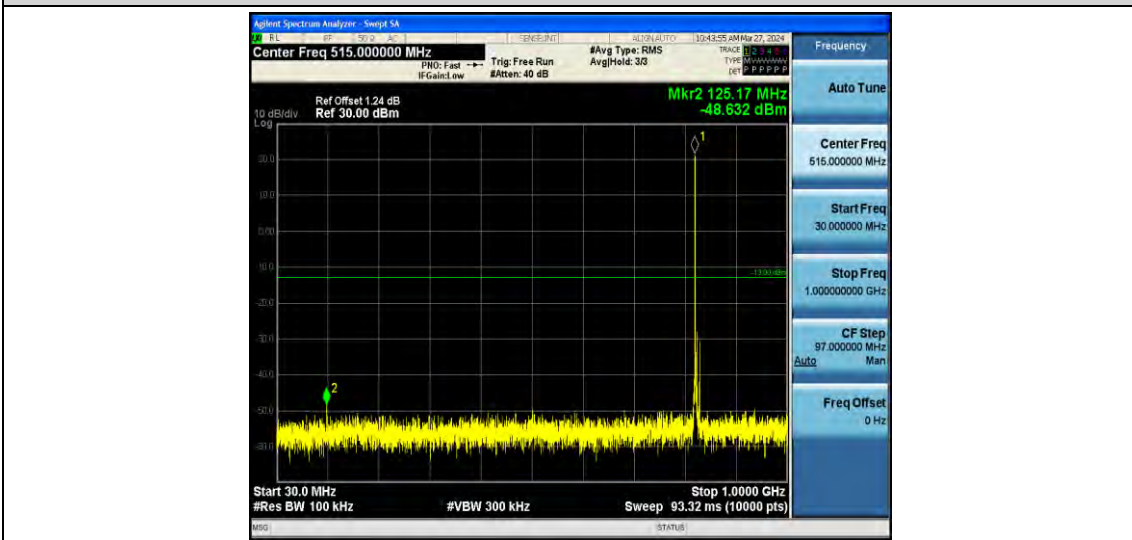
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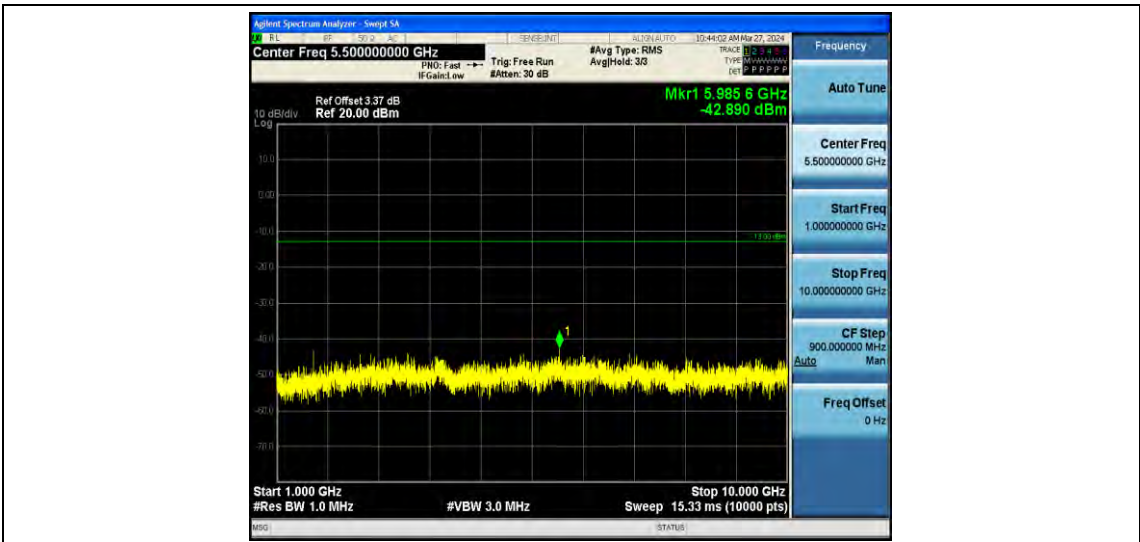
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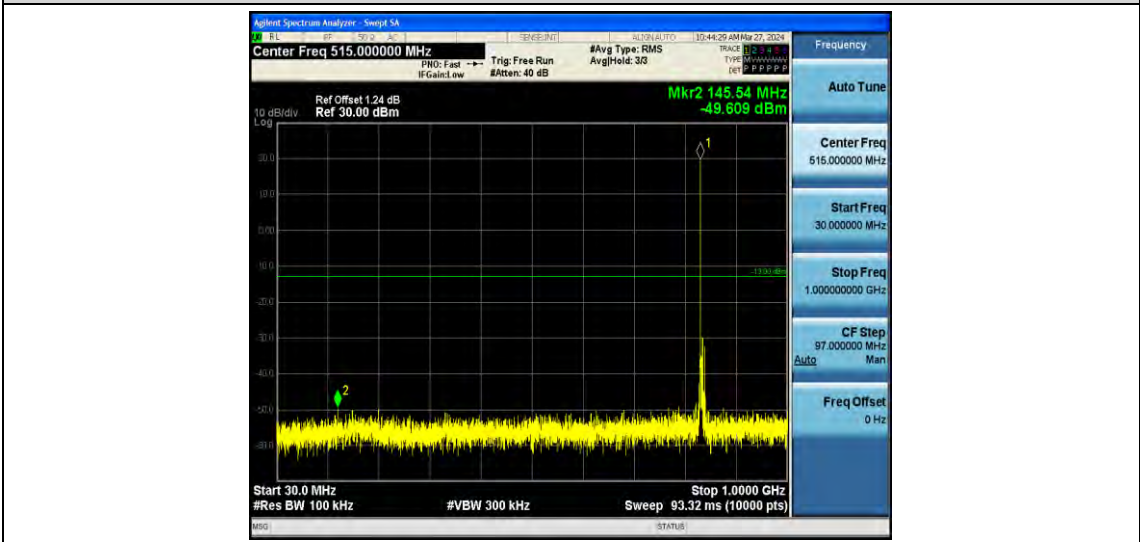
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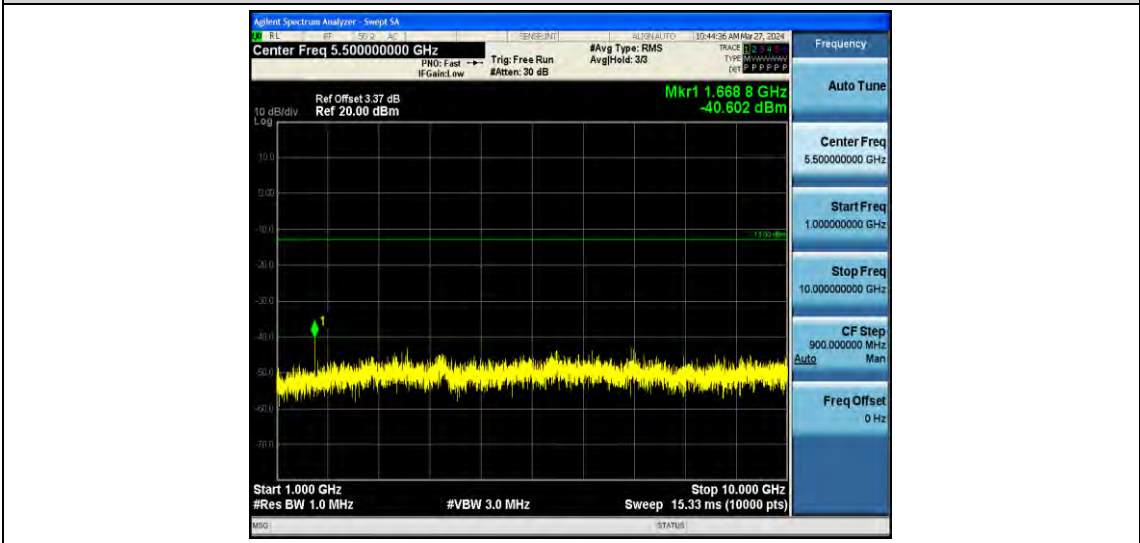
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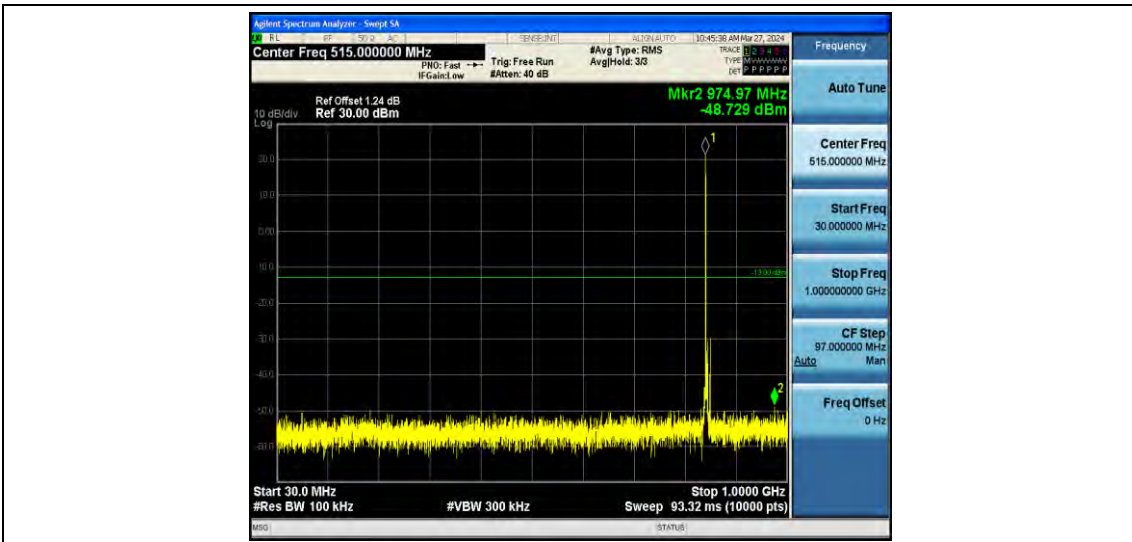
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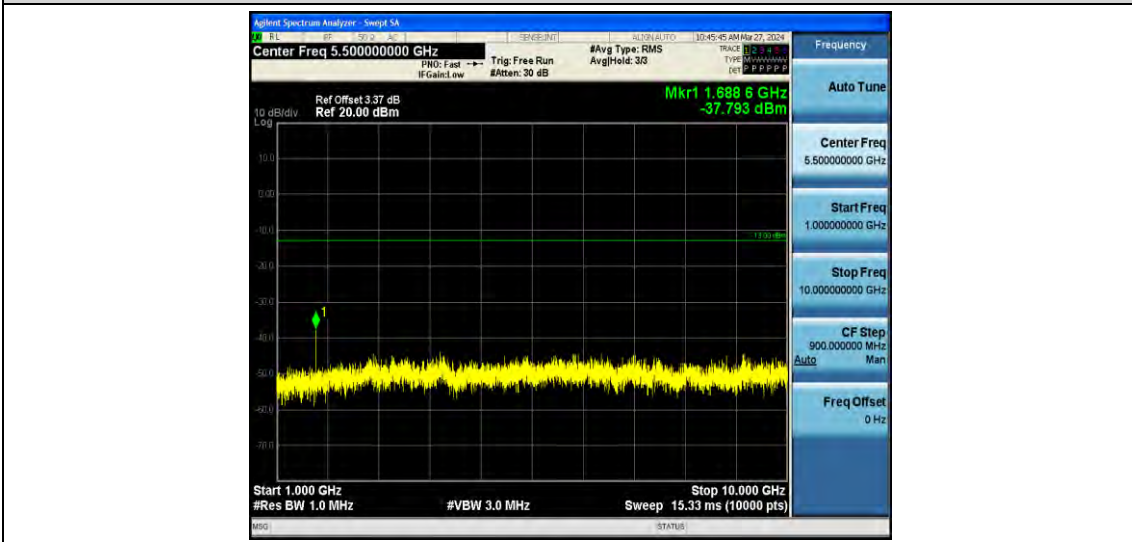
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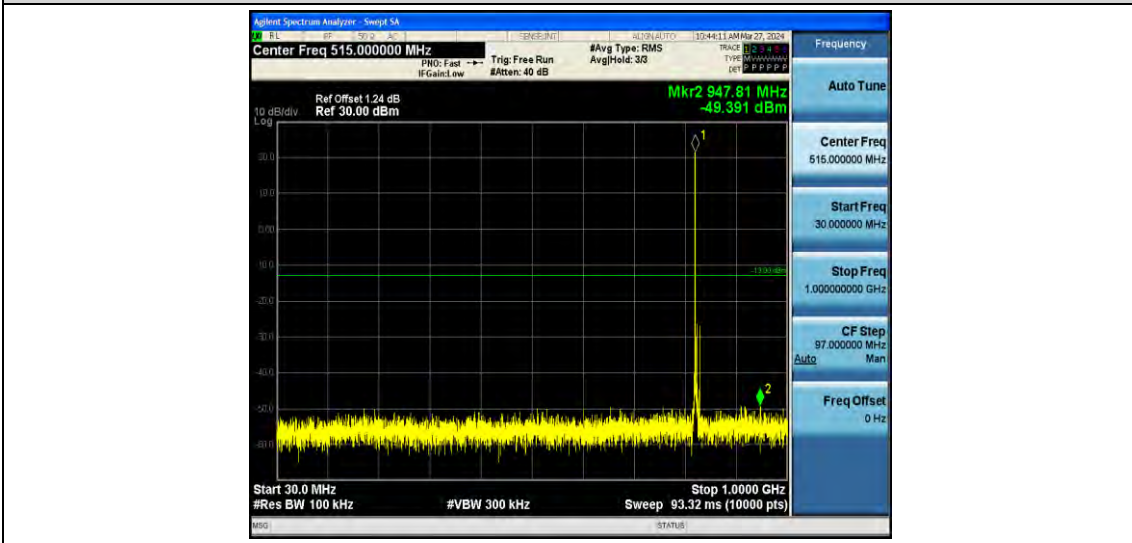
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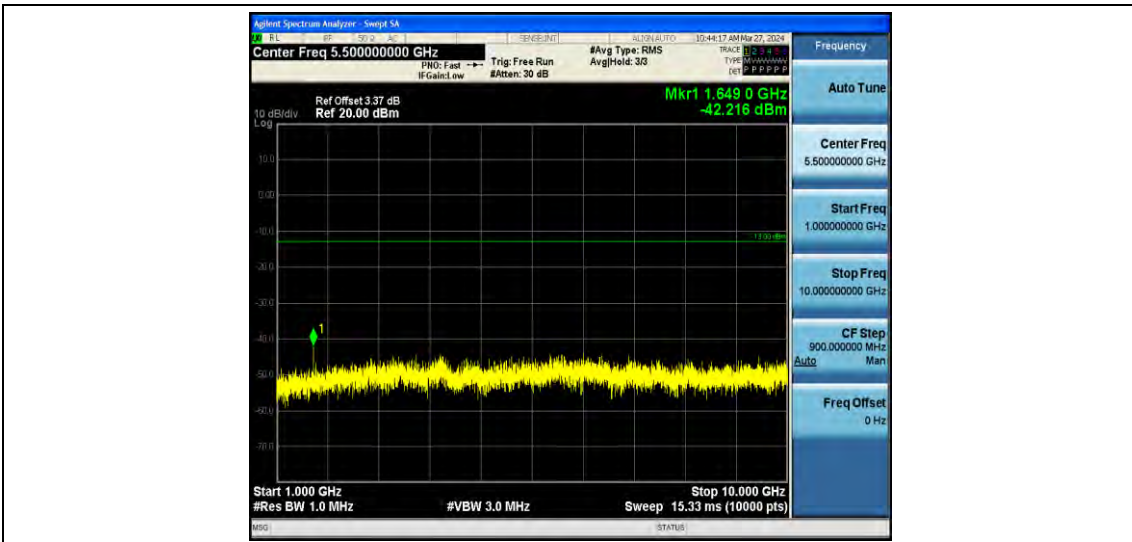
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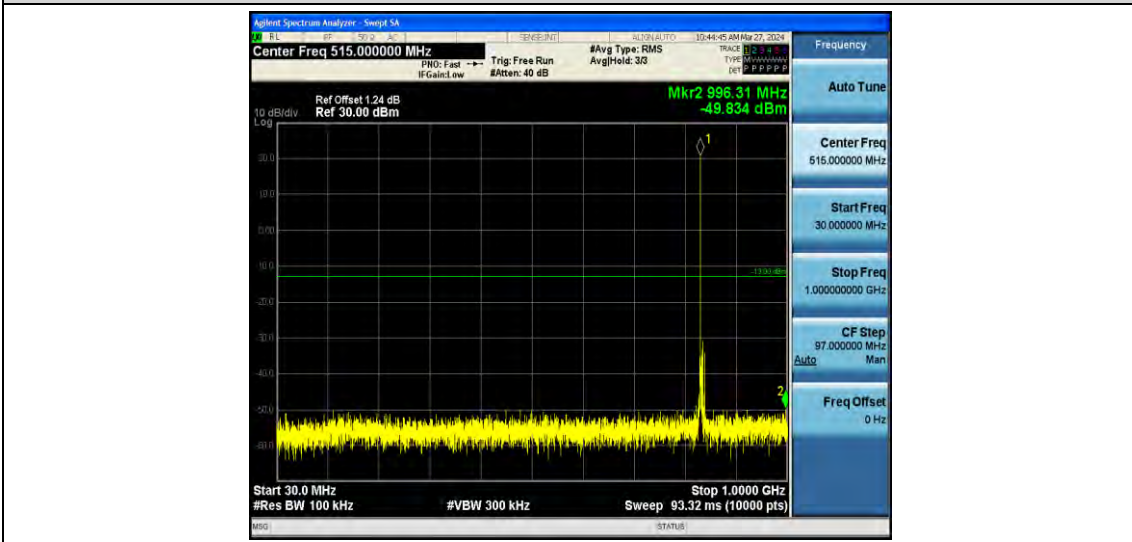
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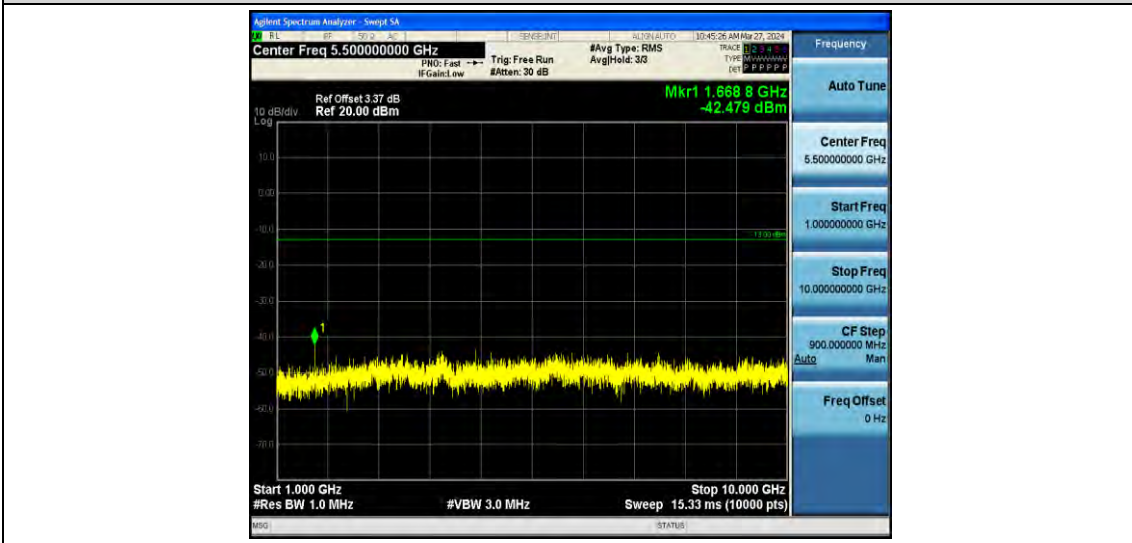
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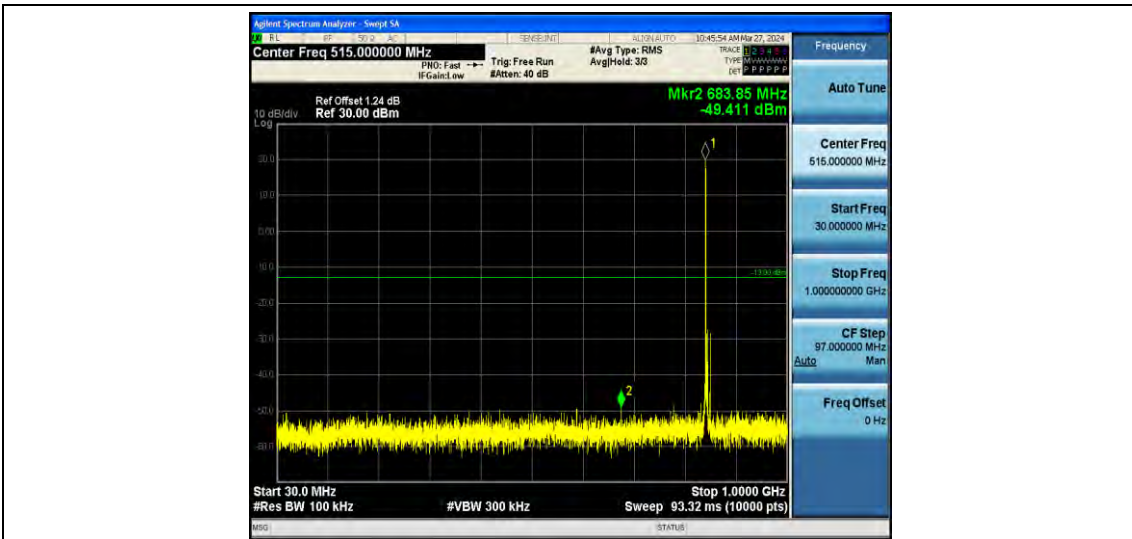
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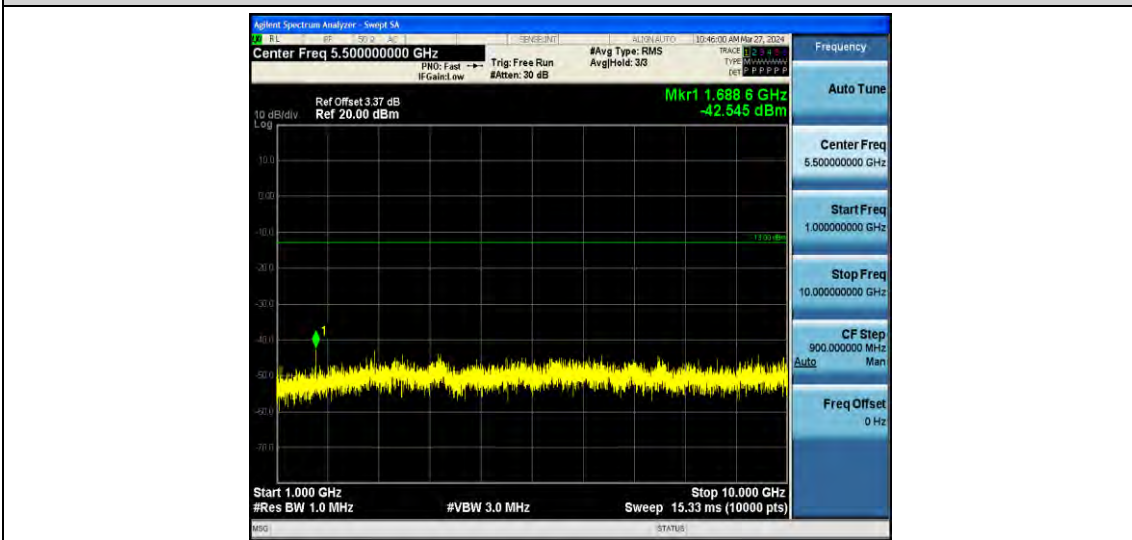
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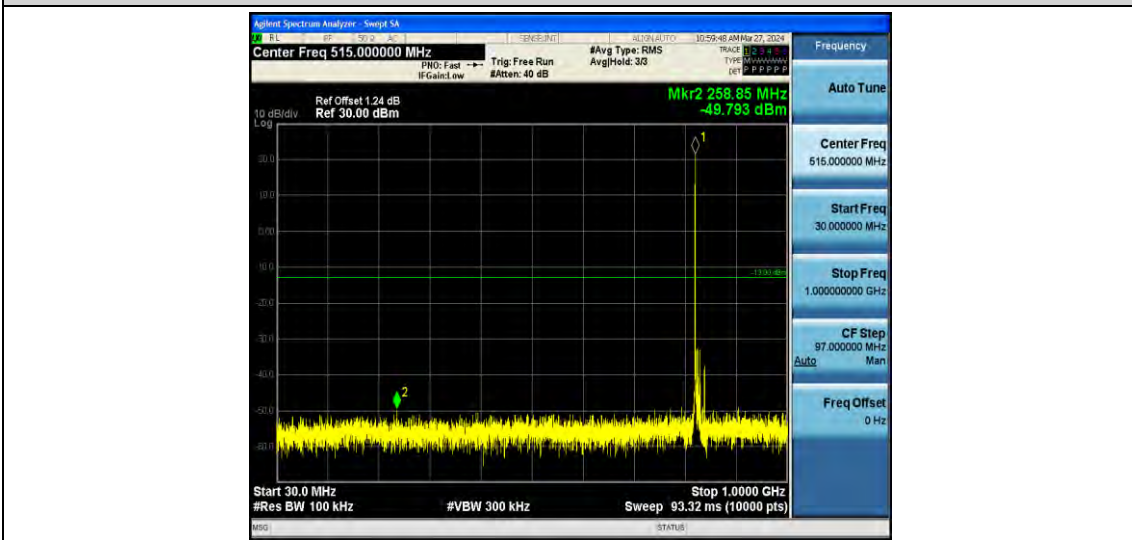
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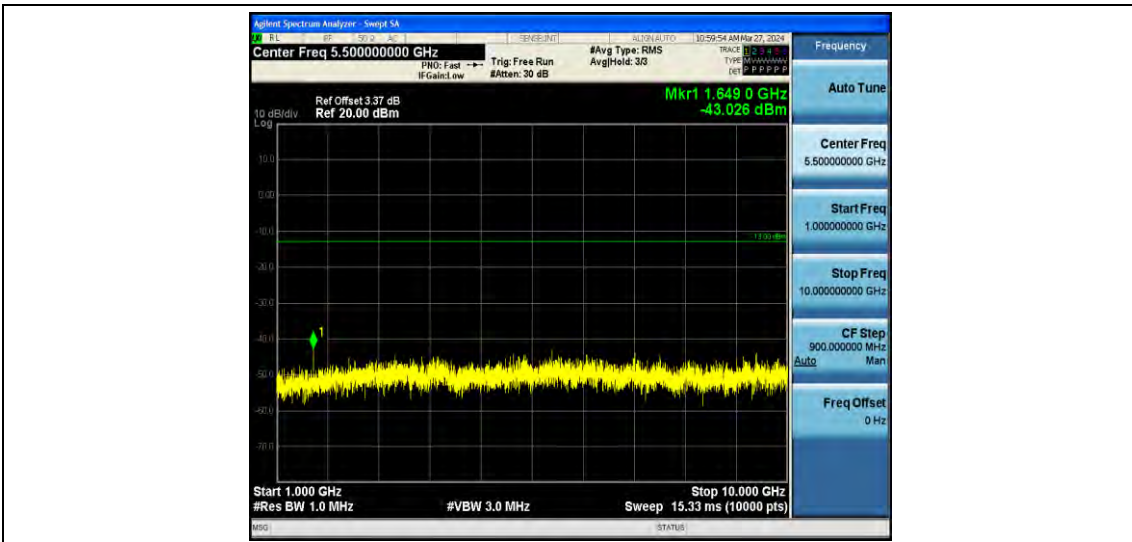
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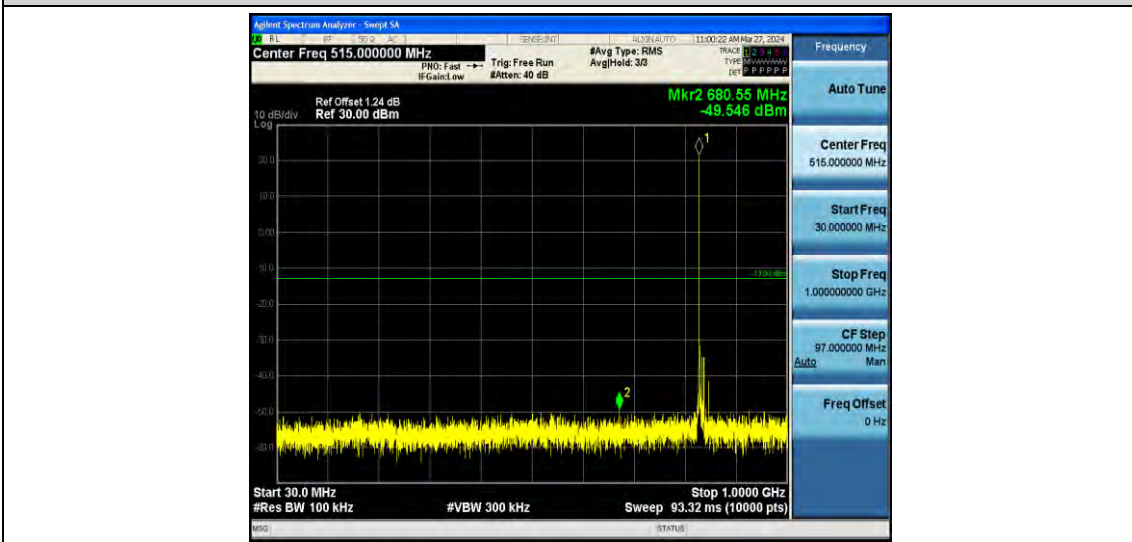
Band5-10MHz-QPSK-20450-1RB#0-Range1:30~1000MHz



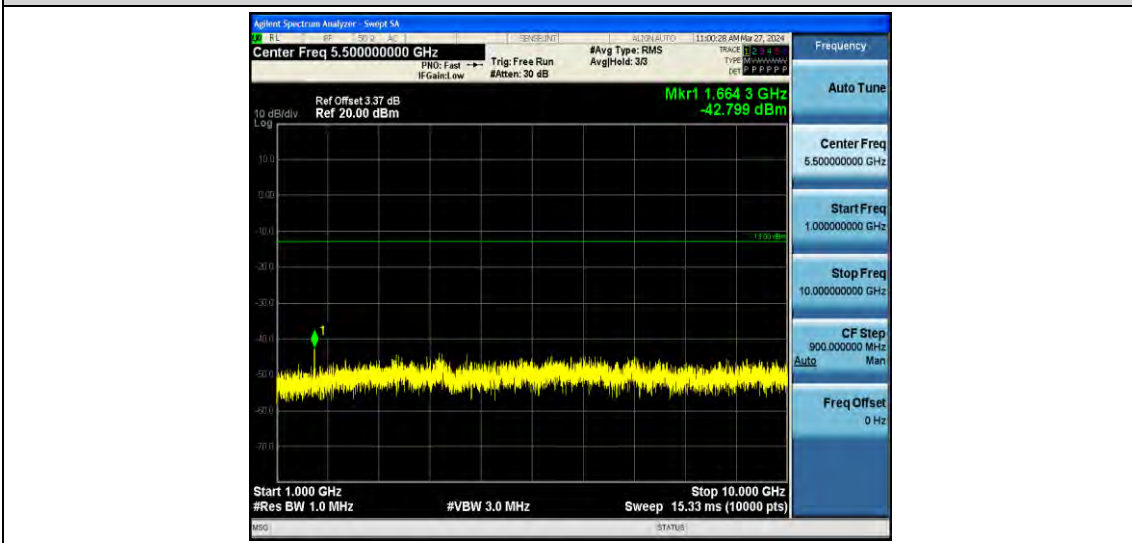
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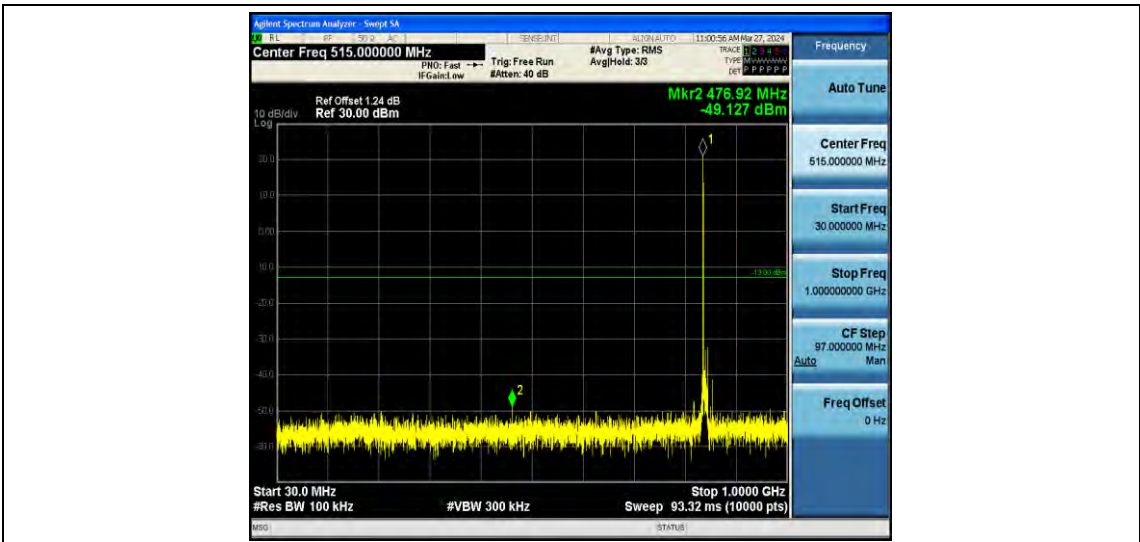
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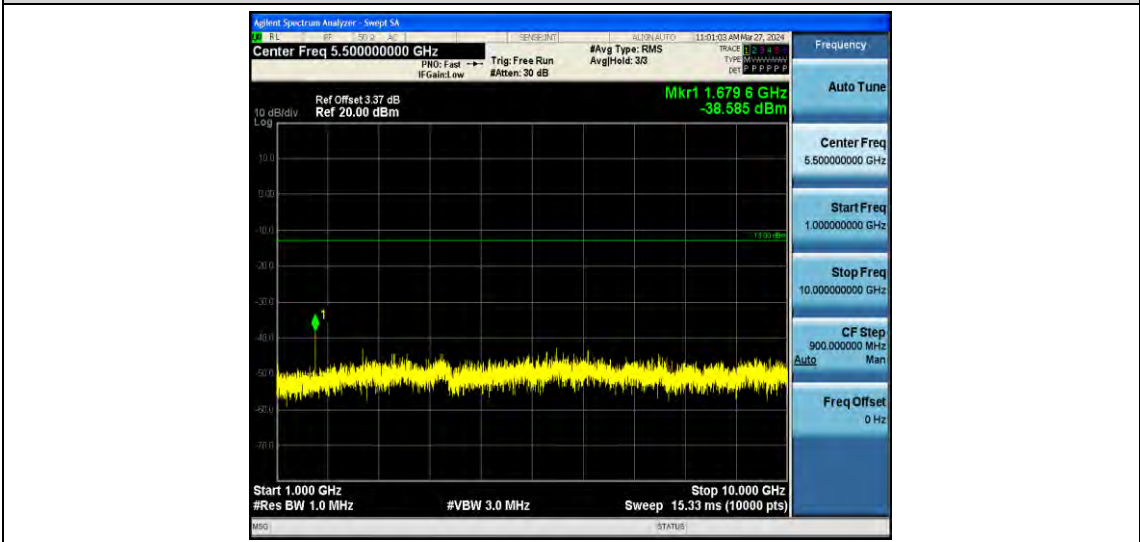
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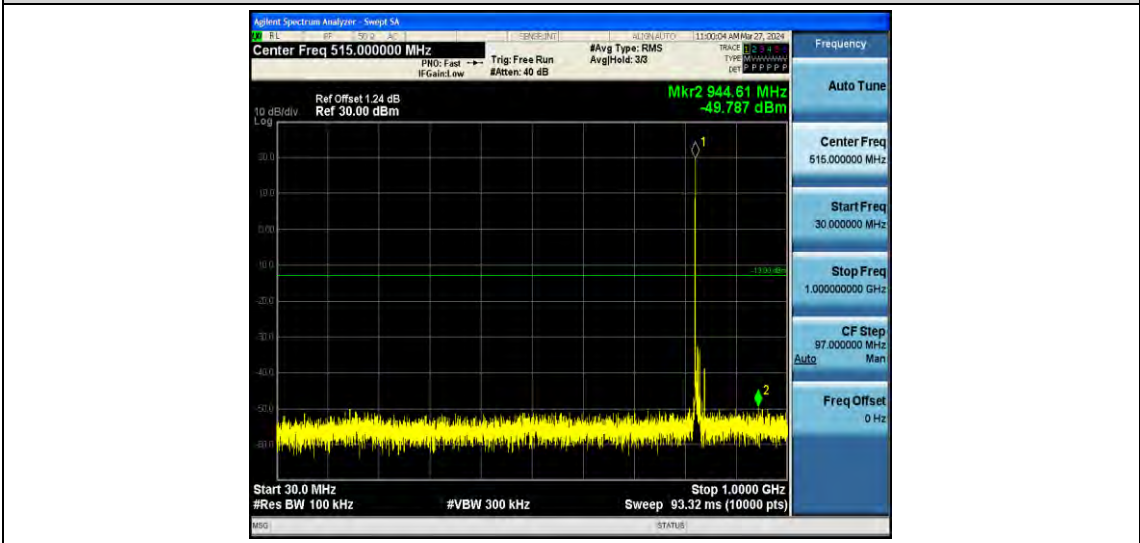
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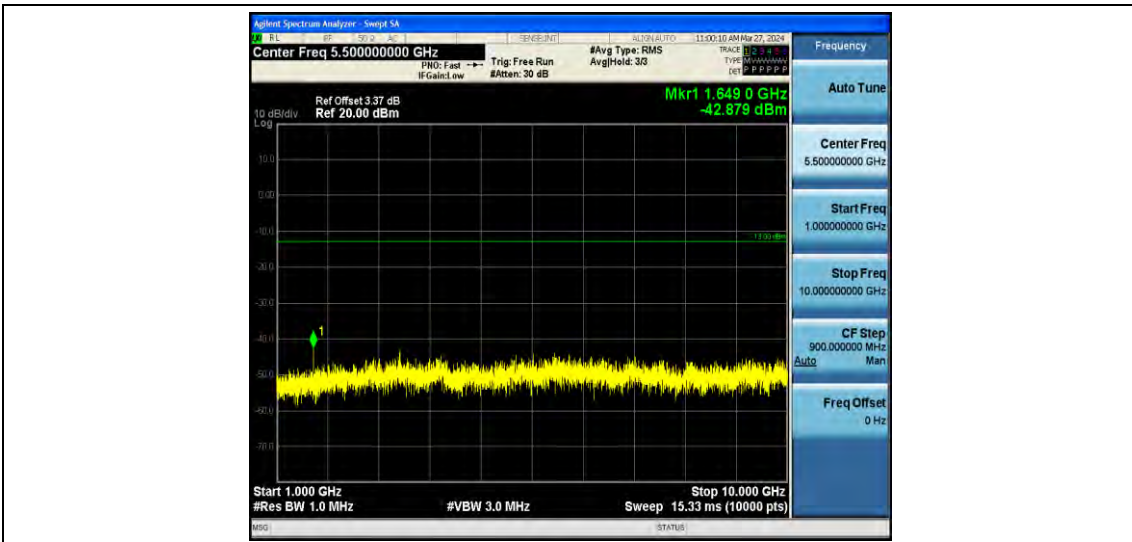
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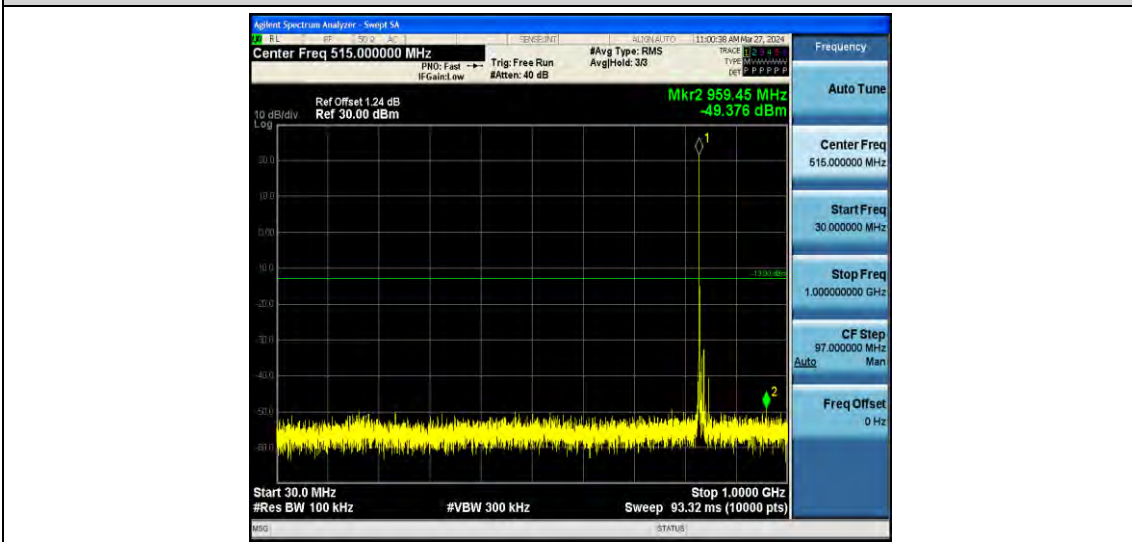
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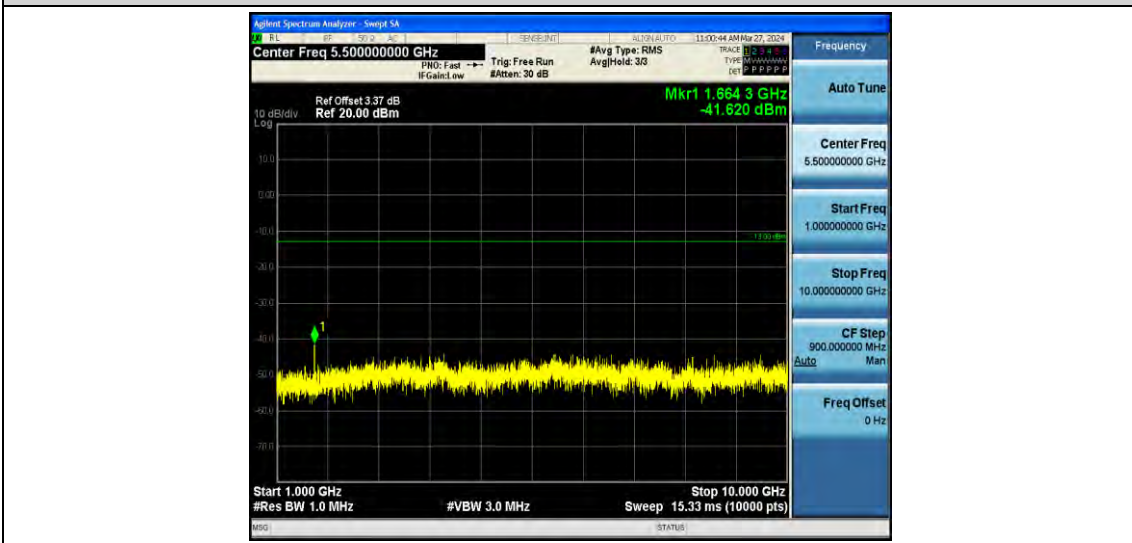
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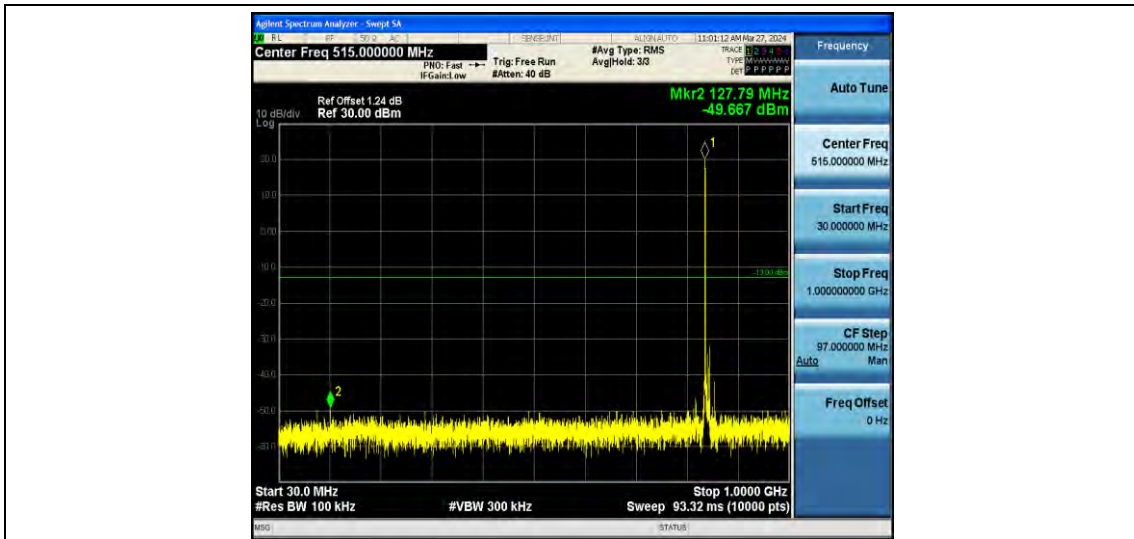
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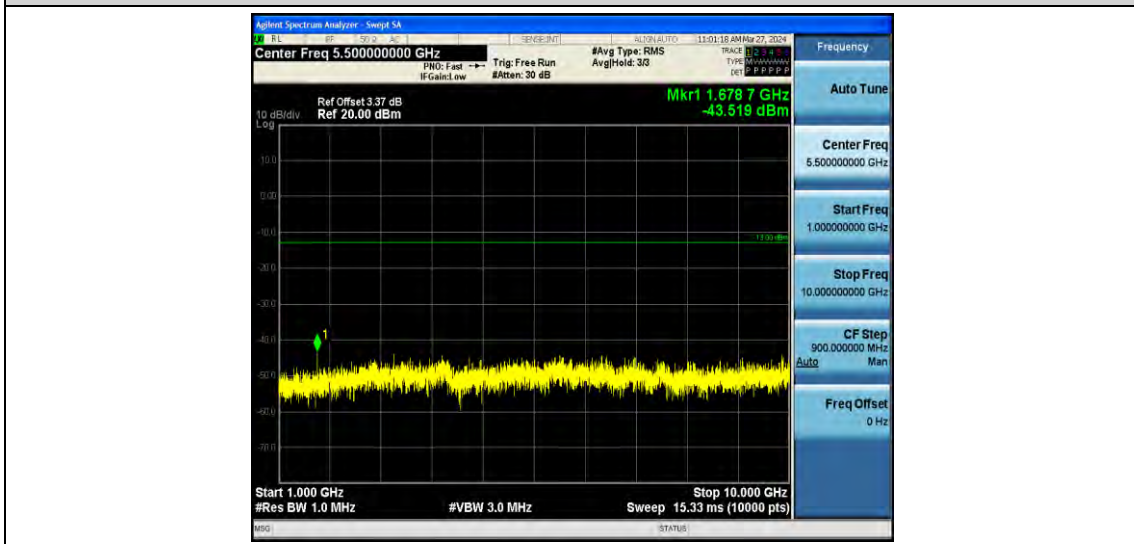
Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-10MHz-16QAM-20600-1RB#0-Range1:30~1000MHz



Band5-10MHz-16QAM-20600-1RB#0-Range2:1000~10000MHz



Appendix F: Frequency Stability

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage | | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|-------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| | | | | | Voltage [Vdc] | Temperature (°C) | | | | |
| Band5 | 1.4MHz | QPSK | 20407 | 6RB#0 | VL | NT | -4.26 | -0.005166 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 6RB#0 | VN | NT | -2.81 | -0.003407 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 6RB#0 | VH | NT | -3.27 | -0.003965 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | VL | NT | -2.12 | -0.002534 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | VN | NT | -3.14 | -0.003754 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | VH | NT | -2.79 | -0.003335 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 6RB#0 | VL | NT | -2.25 | -0.002652 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 6RB#0 | VN | NT | -3.66 | -0.004315 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 6RB#0 | VH | NT | -2.79 | -0.003289 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | VL | NT | -4.33 | -0.005250 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | VN | NT | -3.89 | -0.004717 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | VH | NT | -3.87 | -0.004693 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | VL | NT | -3.77 | -0.004507 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | VN | NT | -2.63 | -0.003144 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | VH | NT | -4.29 | -0.005129 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | VL | NT | -1.80 | -0.002122 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | VN | NT | 3.00 | 0.003536 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | VH | NT | -2.06 | -0.002428 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 15RB#0 | VL | NT | -1.98 | -0.002399 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 15RB#0 | VN | NT | 1.46 | 0.001769 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 15RB#0 | VH | NT | -3.46 | -0.004191 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | VL | NT | 2.53 | 0.003025 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | VN | NT | -3.28 | -0.003921 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | VH | NT | 1.89 | 0.002259 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 15RB#0 | VL | NT | -3.67 | -0.004330 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 15RB#0 | VN | NT | -2.85 | -0.003363 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 15RB#0 | VH | NT | -3.73 | -0.004401 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | VL | NT | -4.11 | -0.004979 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | VN | NT | -1.85 | -0.002241 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | VH | NT | -2.50 | -0.003028 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | VL | NT | -2.24 | -0.002678 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | VN | NT | -2.34 | -0.002797 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | VH | NT | -2.12 | -0.002534 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | VL | NT | -3.57 | -0.004212 | ±2.5 | PASS |

| | | | | | | | | | | |
|-------|-------|-------|-------|--------|----|----|-------|-----------|------|------|
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | VN | NT | -2.00 | -0.002360 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | VH | NT | -2.30 | -0.002714 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | VL | NT | -2.76 | -0.003339 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | VN | NT | -3.61 | -0.004368 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | VH | NT | -2.42 | -0.002928 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | VL | NT | -1.75 | -0.002092 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | VN | NT | -1.50 | -0.001793 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | VH | NT | -3.06 | -0.003658 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 25RB#0 | VL | NT | -1.49 | -0.001760 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 25RB#0 | VN | NT | -3.22 | -0.003804 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 25RB#0 | VH | NT | -3.30 | -0.003898 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | VL | NT | -3.19 | -0.003860 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | VN | NT | -2.99 | -0.003618 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | VH | NT | -3.00 | -0.003630 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | VL | NT | -1.49 | -0.001781 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | VN | NT | -1.81 | -0.002164 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | VH | NT | -3.47 | -0.004148 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 25RB#0 | VL | NT | -1.49 | -0.001760 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 25RB#0 | VN | NT | -2.95 | -0.003485 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 25RB#0 | VH | NT | -2.87 | -0.003390 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | VL | NT | -1.70 | -0.002051 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | VN | NT | -1.58 | -0.001906 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | VH | NT | -2.46 | -0.002967 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | VL | NT | 1.25 | 0.001494 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | VN | NT | -2.56 | -0.003060 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | VH | NT | 2.34 | 0.002797 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 50RB#0 | VL | NT | -2.58 | -0.003057 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 50RB#0 | VN | NT | -1.79 | -0.002121 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 50RB#0 | VH | NT | -1.92 | -0.002275 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | VL | NT | -2.30 | -0.002774 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | VN | NT | -1.63 | -0.001966 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | VH | NT | -2.04 | -0.002461 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | VL | NT | -1.96 | -0.002343 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | VN | NT | -3.51 | -0.004196 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | VH | NT | -2.37 | -0.002833 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | VL | NT | -2.84 | -0.003365 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | VN | NT | -4.32 | -0.005118 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | VH | NT | -2.96 | -0.003507 | ±2.5 | PASS |

Temperature

| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|-------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band5 | 1.4MHz | QPSK | 20407 | 6RB#0 | NV | -30 | -3.87 | -0.004693 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 6RB#0 | NV | -20 | -4.18 | -0.005069 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 6RB#0 | NV | 0 | -4.39 | -0.005323 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 6RB#0 | NV | 10 | -3.94 | -0.004777 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 6RB#0 | NV | 20 | -5.90 | -0.007154 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | NV | -30 | -2.43 | -0.002905 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | NV | -20 | -1.40 | -0.001674 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | NV | 0 | -2.59 | -0.003096 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | NV | 10 | 1.36 | 0.001626 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | NV | 20 | -3.76 | -0.004495 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 6RB#0 | NV | -30 | -2.78 | -0.003277 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 6RB#0 | NV | -20 | -2.87 | -0.003383 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 6RB#0 | NV | 0 | -2.32 | -0.002735 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 6RB#0 | NV | 10 | -2.90 | -0.003419 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 6RB#0 | NV | 20 | 1.11 | 0.001308 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | NV | -30 | -4.62 | -0.005602 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | NV | -20 | -4.35 | -0.005275 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | NV | 0 | -5.17 | -0.006269 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | NV | 10 | -4.57 | -0.005541 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | NV | 20 | -3.73 | -0.004523 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | NV | -30 | -3.36 | -0.004017 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | NV | -20 | -2.49 | -0.002977 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | NV | 0 | -3.48 | -0.004160 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | NV | 10 | -3.90 | -0.004662 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | NV | 20 | -2.39 | -0.002857 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | NV | -30 | -2.16 | -0.002546 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | NV | -20 | -3.10 | -0.003654 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | NV | 0 | -2.78 | -0.003277 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | NV | 10 | -3.16 | -0.003725 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | NV | 20 | 2.40 | 0.002829 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 15RB#0 | NV | -30 | -2.97 | -0.003598 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 15RB#0 | NV | -20 | -2.98 | -0.003610 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 15RB#0 | NV | 0 | -2.73 | -0.003307 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 15RB#0 | NV | 10 | -2.12 | -0.002568 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 15RB#0 | NV | 20 | -3.80 | -0.004603 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | NV | -30 | -3.31 | -0.003957 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | NV | -20 | -2.61 | -0.003120 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | NV | 0 | 1.87 | 0.002236 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | NV | 10 | -2.84 | -0.003395 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | NV | 20 | -2.46 | -0.002941 | ±2.5 | PASS |

| | | | | | | | | | | |
|-------|------|-------|-------|--------|----|-----|-------|-----------|------|------|
| Band5 | 3MHz | QPSK | 20635 | 15RB#0 | NV | -30 | -2.47 | -0.002914 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 15RB#0 | NV | -20 | -3.58 | -0.004224 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 15RB#0 | NV | 0 | -2.62 | -0.003091 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 15RB#0 | NV | 10 | -3.50 | -0.004130 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 15RB#0 | NV | 20 | -3.97 | -0.004684 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | NV | -30 | -2.95 | -0.003574 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | NV | -20 | 1.41 | 0.001708 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | NV | 0 | -2.58 | -0.003125 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | NV | 10 | -2.04 | -0.002471 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | NV | 20 | -2.13 | -0.002580 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | -30 | -2.85 | -0.003407 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | -20 | -2.56 | -0.003060 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | 0 | -2.42 | -0.002893 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | 10 | -2.98 | -0.003562 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | 20 | 2.47 | 0.002953 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | NV | -30 | -2.91 | -0.003434 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | NV | -20 | -2.92 | -0.003445 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | NV | 0 | -3.91 | -0.004614 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | NV | 10 | -3.77 | -0.004448 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | NV | 20 | -3.01 | -0.003552 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | NV | -30 | -4.60 | -0.005566 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | NV | -20 | -5.38 | -0.006509 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | NV | 0 | -3.30 | -0.003993 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | NV | 10 | -4.66 | -0.005638 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | NV | 20 | -4.09 | -0.004949 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | NV | -30 | -1.83 | -0.002188 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | NV | -20 | -2.98 | -0.003562 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | NV | 0 | -3.51 | -0.004196 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | NV | 10 | -3.25 | -0.003885 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | NV | 20 | -2.69 | -0.003216 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 25RB#0 | NV | -30 | -5.08 | -0.006001 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 25RB#0 | NV | -20 | -2.18 | -0.002575 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 25RB#0 | NV | 0 | -2.01 | -0.002374 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 25RB#0 | NV | 10 | -3.02 | -0.003568 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 25RB#0 | NV | 20 | 2.05 | 0.002422 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | NV | -30 | -4.53 | -0.005481 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | NV | -20 | -4.41 | -0.005336 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | NV | 0 | -5.95 | -0.007199 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | NV | 10 | -3.53 | -0.004271 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | NV | 20 | -4.67 | -0.005650 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | NV | -30 | 2.72 | 0.003252 | ±2.5 | PASS |

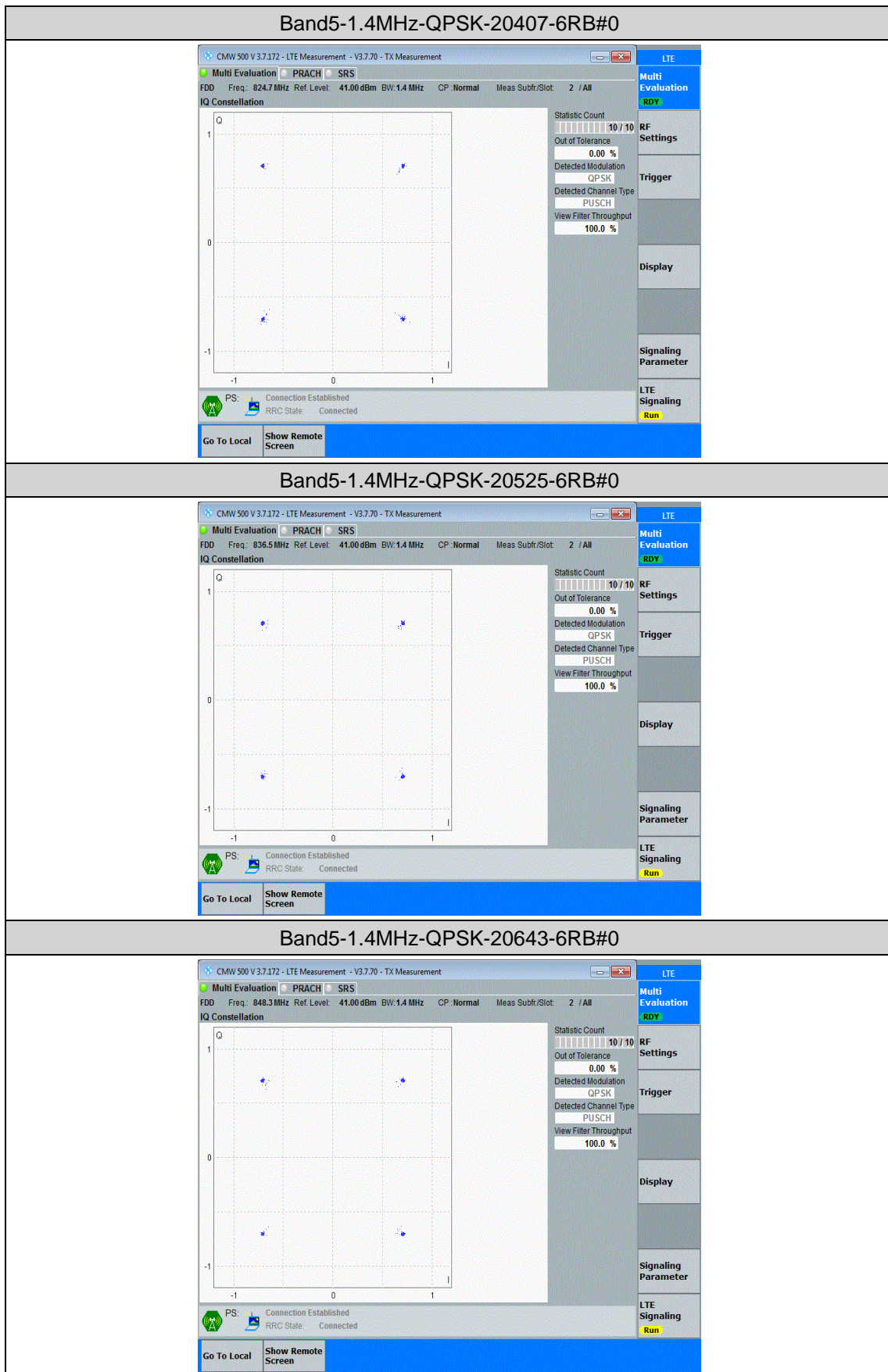
| | | | | | | | | | | |
|-------|-------|-------|-------|--------|----|-----|-------|-----------|------|------|
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | NV | -20 | 1.73 | 0.002068 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | NV | 0 | -2.81 | -0.003359 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | NV | 10 | -2.59 | -0.003096 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | NV | 20 | -2.47 | -0.002953 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 25RB#0 | NV | -30 | -2.63 | -0.003107 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 25RB#0 | NV | -20 | -3.55 | -0.004194 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 25RB#0 | NV | 0 | -2.99 | -0.003532 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 25RB#0 | NV | 10 | 2.18 | 0.002575 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 25RB#0 | NV | 20 | -1.14 | -0.001347 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | NV | -30 | 1.73 | 0.002087 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | NV | -20 | 1.67 | 0.002014 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | NV | 0 | -2.12 | -0.002557 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | NV | 10 | 1.64 | 0.001978 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | NV | 20 | -1.78 | -0.002147 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | NV | -30 | -2.08 | -0.002487 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | NV | -20 | -3.80 | -0.004543 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | NV | 0 | -2.79 | -0.003335 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | NV | 10 | -3.44 | -0.004112 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | NV | 20 | -3.18 | -0.003802 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 50RB#0 | NV | -30 | 3.39 | 0.004017 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 50RB#0 | NV | -20 | -2.11 | -0.002500 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 50RB#0 | NV | 0 | -2.89 | -0.003424 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 50RB#0 | NV | 10 | -2.05 | -0.002429 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 50RB#0 | NV | 20 | -1.88 | -0.002227 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | NV | -30 | 1.17 | 0.001411 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | NV | -20 | 1.81 | 0.002183 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | NV | 0 | 2.33 | 0.002811 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | NV | 10 | 1.66 | 0.002002 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | NV | 20 | 1.83 | 0.002207 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | -30 | -3.21 | -0.003837 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | -20 | 1.97 | 0.002355 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 0 | -3.05 | -0.003646 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 10 | -1.53 | -0.001829 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 20 | -4.54 | -0.005427 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | -30 | -3.20 | -0.003791 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | -20 | -3.28 | -0.003886 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | 0 | -2.35 | -0.002784 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | 10 | -3.63 | -0.004301 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | 20 | -1.33 | -0.001576 | ±2.5 | PASS |

Appendix G: Modulation Characteristics

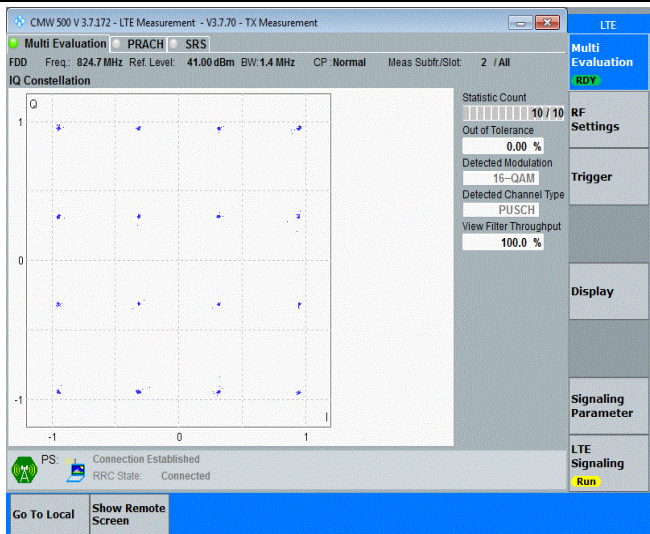
Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result | Verdict |
|-------|-----------|------------|---------|------------------|--------|---------|
| Band5 | 1.4MHz | QPSK | 20407 | 6RB#0 | PASS | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | PASS | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 6RB#0 | PASS | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | PASS | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | PASS | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | PASS | PASS |
| Band5 | 3MHz | QPSK | 20415 | 15RB#0 | PASS | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | PASS | PASS |
| Band5 | 3MHz | QPSK | 20635 | 15RB#0 | PASS | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | PASS | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | PASS | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | PASS | PASS |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | PASS | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | PASS | PASS |
| Band5 | 5MHz | QPSK | 20625 | 25RB#0 | PASS | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | PASS | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | PASS | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 25RB#0 | PASS | PASS |
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | PASS | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | PASS | PASS |
| Band5 | 10MHz | QPSK | 20600 | 50RB#0 | PASS | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | PASS | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | PASS | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | PASS | PASS |

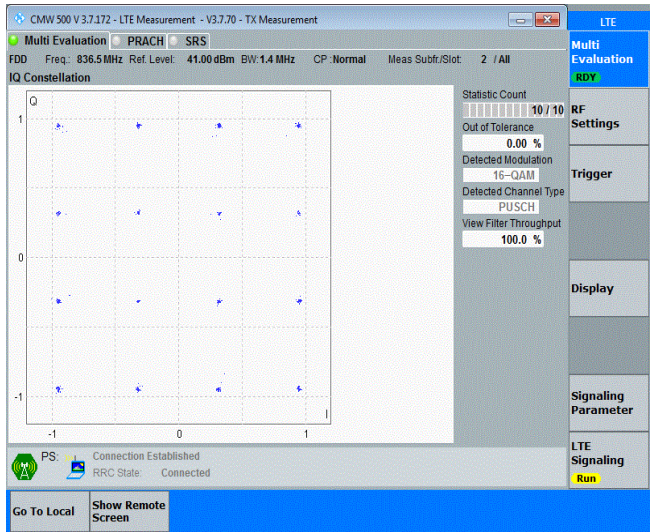
Test Graphs



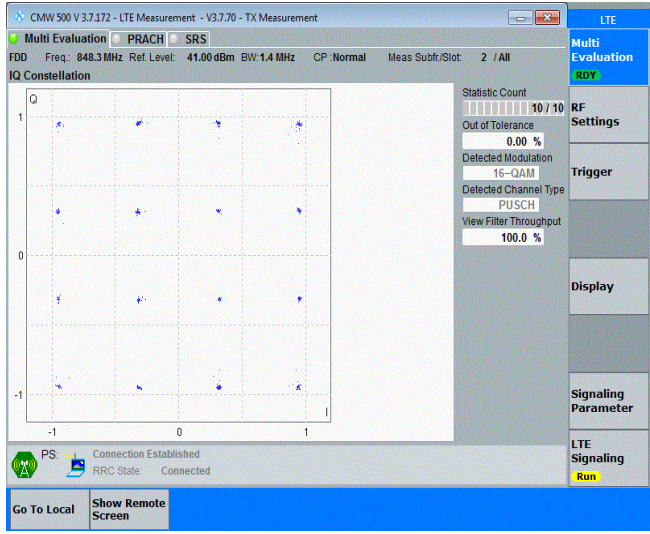
Band5-1.4MHz-16QAM-20407-6RB#0



Band5-1.4MHz-16QAM-20525-6RB#0



Band5-1.4MHz-16QAM-20643-6RB#0



Band5-3MHz-QPSK-20415-15RB#0