# Appendix for LTE Band41

# CONTENTS

Appendix A: Effective (Isotropic) Radiated Power Output Data ..... 3
Test Result ..... 3
Appendix B: Peak-to-Average Ratio(CCDF) ..... 8
Test Result ..... 8
Test Graphs ..... 10
Appendix C: 26dB Bandwidth and Occupied Bandwidth ..... 27
Test Result ..... 27
Test Graphs ..... 28
Appendix D: Band Edge ..... 37
Test Result ..... 37
Test Graphs ..... 38
Appendix E: Conducted Spurious Emission ..... 55
Test Result ..... 55
Test Graphs ..... 59
Appendix F: Frequency Stability ..... 86
Test Result ..... 86

# Appendix A: Effective (Isotropic) Radiated Power Output Data

## Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|---|---|---|---|---|---|---|
| Band41 | 5MHz | QPSK | 39675 | 1RB#0 | 21.95 | PASS |
| Band41 | 5MHz | QPSK | 39675 | 1RB#12 | 21.26 | PASS |
| Band41 | 5MHz | QPSK | 39675 | 1RB#24 | 21.70 | PASS |
| Band41 | 5MHz | QPSK | 39675 | 12RB#0 | 21.73 | PASS |
| Band41 | 5MHz | QPSK | 39675 | 12RB#6 | 21.74 | PASS |
| Band41 | 5MHz | QPSK | 39675 | 12RB#13 | 21.25 | PASS |
| Band41 | 5MHz | QPSK | 39675 | 25RB#0 | 21.55 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 1RB#0 | 22.78 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 1RB#12 | 22.69 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 1RB#24 | 22.48 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 12RB#0 | 21.92 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 12RB#6 | 21.91 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 12RB#13 | 22.11 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | 22.11 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 1RB#0 | 21.69 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 1RB#12 | 21.50 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 1RB#24 | 21.86 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 12RB#0 | 21.56 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 12RB#6 | 21.58 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 12RB#13 | 21.63 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 25RB#0 | 21.09 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 1RB#0 | 21.34 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 1RB#12 | 21.19 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 1RB#24 | 21.29 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 12RB#0 | 21.56 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 12RB#6 | 21.53 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 12RB#13 | 21.10 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 25RB#0 | 21.43 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 1RB#0 | 21.49 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 1RB#12 | 21.85 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 1RB#24 | 22.04 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| Band41 | 5MHz | 16QAM | 40620 | 12RB#0 | 21.02 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 12RB#6 | 21.00 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 12RB#13 | 21.17 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | 21.25 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 1RB#0 | 21.42 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 1RB#12 | 21.30 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 1RB#24 | 21.27 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 12RB#0 | 21.67 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 12RB#6 | 21.64 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 12RB#13 | 21.79 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 25RB#0 | 21.27 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 1RB#0 | 21.23 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 1RB#24 | 21.24 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 1RB#49 | 21.86 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 25RB#0 | 21.81 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 25RB#12 | 21.82 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 25RB#25 | 21.67 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 50RB#0 | 21.88 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 1RB#0 | 21.19 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 1RB#24 | 22.77 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 1RB#49 | 21.70 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 25RB#0 | 22.16 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 25RB#12 | 22.17 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 25RB#25 | 22.63 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | 22.63 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 1RB#0 | 21.96 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 1RB#24 | 21.50 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 1RB#49 | 21.48 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 25RB#0 | 21.08 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 25RB#12 | 21.15 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 25RB#25 | 21.42 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 50RB#0 | 21.40 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#0 | 21.40 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#24 | 21.93 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#49 | 21.31 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 25RB#0 | 21.19 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| Band41 | 10MHz | 16QAM | 39700 | 25RB#12 | 21.10 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 25RB#25 | 21.06 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 50RB#0 | 21.25 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#0 | 22.32 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#24 | 21.64 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#49 | 22.56 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 25RB#0 | 21.01 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 25RB#12 | 21.02 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 25RB#25 | 21.31 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0 | 21.31 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#0 | 21.67 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#24 | 21.19 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#49 | 21.19 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 25RB#0 | 21.08 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 25RB#12 | 21.04 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 25RB#25 | 21.34 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 50RB#0 | 21.33 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 1RB#0 | 21.72 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 1RB#38 | 21.87 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 1RB#74 | 21.25 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 38RB#0 | 21.06 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 38RB#18 | 21.43 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 38RB#37 | 21.53 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 75RB#0 | 21.53 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 1RB#0 | 22.68 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 1RB#38 | 22.52 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 1RB#74 | 21.17 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 38RB#0 | 21.70 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 38RB#18 | 21.36 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 38RB#37 | 21.83 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | 22.38 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 1RB#0 | 21.11 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 1RB#38 | 21.28 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 1RB#74 | 21.30 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 38RB#0 | 21.82 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 38RB#18 | 21.63 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| Band41 | 15MHz | QPSK | 41515 | 38RB#37 | 21.14 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 75RB#0 | 21.16 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#0 | 21.37 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#38 | 21.38 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#74 | 21.41 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 38RB#0 | 21.95 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 38RB#18 | 21.25 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 38RB#37 | 21.27 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 75RB#0 | 21.99 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#0 | 21.68 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#38 | 21.26 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#74 | 22.09 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 38RB#0 | 21.58 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 38RB#18 | 21.37 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 38RB#37 | 22.03 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0 | 21.06 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#0 | 21.88 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#38 | 21.27 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#74 | 21.65 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 38RB#0 | 21.79 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 38RB#18 | 21.64 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 38RB#37 | 21.04 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 75RB#0 | 21.07 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 1RB#0 | 21.87 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 1RB#49 | 21.77 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 1RB#99 | 21.67 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 50RB#0 | 21.59 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 50RB#25 | 21.59 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 50RB#50 | 21.14 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 100RB#0 | 21.08 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 1RB#0 | 21.17 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 1RB#49 | 21.58 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 1RB#99 | 21.42 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 50RB#0 | 21.90 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 50RB#25 | 21.92 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 50RB#50 | 21.41 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | 21.39 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 1RB#0 | 21.42 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 1RB#49 | 21.84 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 1RB#99 | 21.37 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 50RB#0 | 21.11 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 50RB#25 | 21.12 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 50RB#50 | 21.51 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 100RB#0 | 21.06 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#0 | 21.06 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#49 | 21.14 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#99 | 21.19 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 50RB#0 | 21.21 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 50RB#25 | 21.22 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 50RB#50 | 21.85 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | 21.77 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#0 | 21.57 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#49 | 22.05 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#99 | 22.39 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 50RB#0 | 21.88 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 50RB#25 | 21.88 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 50RB#50 | 21.25 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | 21.24 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#0 | 21.67 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#49 | 21.07 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#99 | 21.70 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 50RB#0 | 21.22 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 50RB#25 | 21.25 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 50RB#50 | 21.63 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | 21.15 | PASS |

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

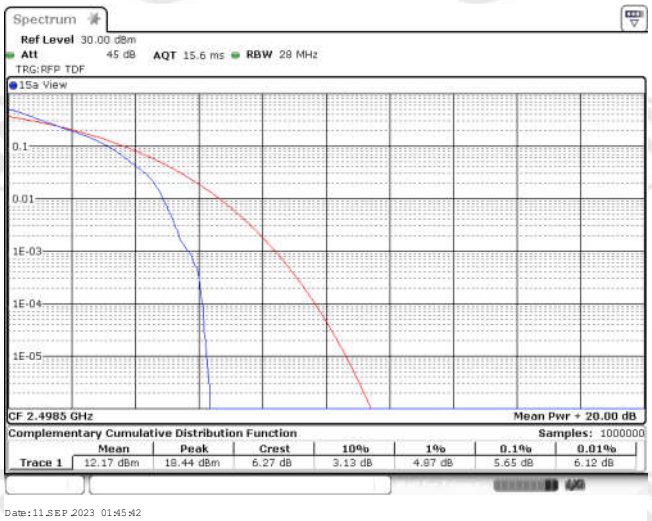
## Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|---|---|---|---|---|---|---|---|
| Band41 | 5MHz | QPSK | 39675 | 1RB#0 | 5.65 | 13 | PASS |
| Band41 | 5MHz | QPSK | 39675 | 25RB#0 | 5.65 | 13 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 1RB#0 | 5.65 | 13 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | 5.65 | 13 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 1RB#0 | 5.65 | 13 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 25RB#0 | 5.65 | 13 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 1RB#0 | 5.65 | 13 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 25RB#0 | 5.65 | 13 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 1RB#0 | 5.65 | 13 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | 5.65 | 13 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 1RB#0 | 5.65 | 13 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 25RB#0 | 5.65 | 13 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 1RB#0 | 7.19 | 13 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 50RB#0 | 7.19 | 13 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 1RB#0 | 7.19 | 13 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | 7.19 | 13 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 1RB#0 | 7.19 | 13 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 50RB#0 | 7.19 | 13 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#0 | 7.19 | 13 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 50RB#0 | 7.19 | 13 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#0 | 7.19 | 13 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0 | 7.19 | 13 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#0 | 7.19 | 13 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 50RB#0 | 7.19 | 13 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 1RB#0 | 6.03 | 13 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 75RB#0 | 6.03 | 13 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 1RB#0 | 6.03 | 13 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | 6.03 | 13 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 1RB#0 | 6.03 | 13 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 75RB#0 | 6.03 | 13 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#0 | 6.03 | 13 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 75RB#0 | 6.03 | 13 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#0 | 6.03 | 13 | PASS |

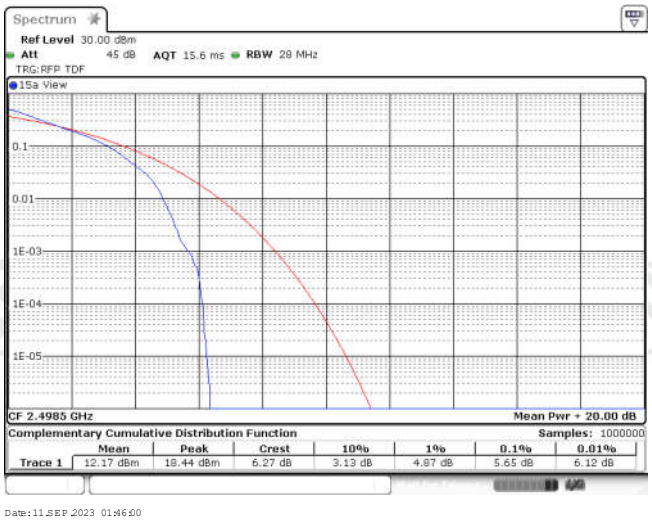
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0 | 6.03 | 13 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#0 | 6.03 | 13 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 75RB#0 | 6.03 | 13 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 1RB#0 | 8.64 | 13 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 100RB#0 | 8.64 | 13 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 1RB#0 | 8.64 | 13 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | 8.64 | 13 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 1RB#0 | 8.64 | 13 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 100RB#0 | 8.64 | 13 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#0 | 8.64 | 13 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | 8.64 | 13 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#0 | 8.64 | 13 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | 8.64 | 13 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#0 | 8.64 | 13 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | 8.64 | 13 | PASS |

## Test Graphs

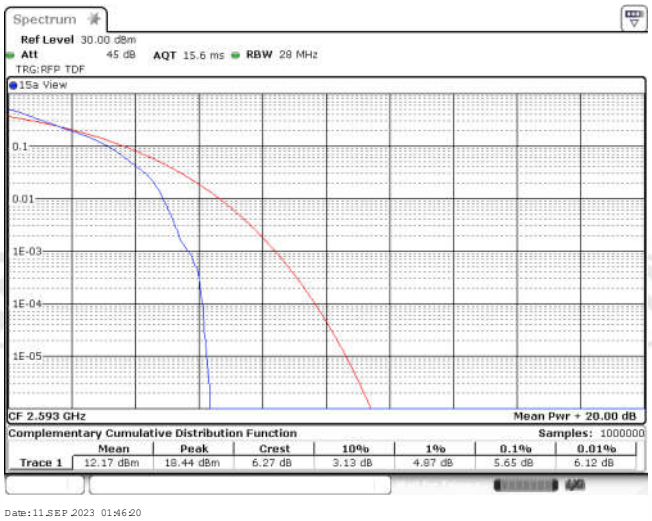
Band41-5MHz-QPSK-39675-1RB#0



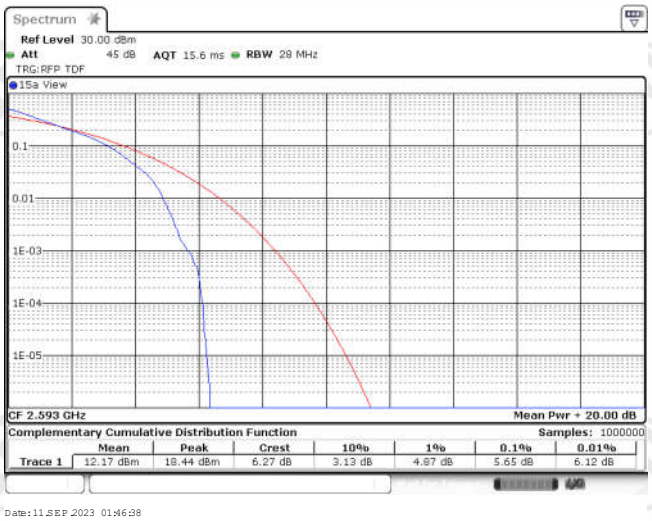

Band41-5MHz-QPSK-39675-25RB#0



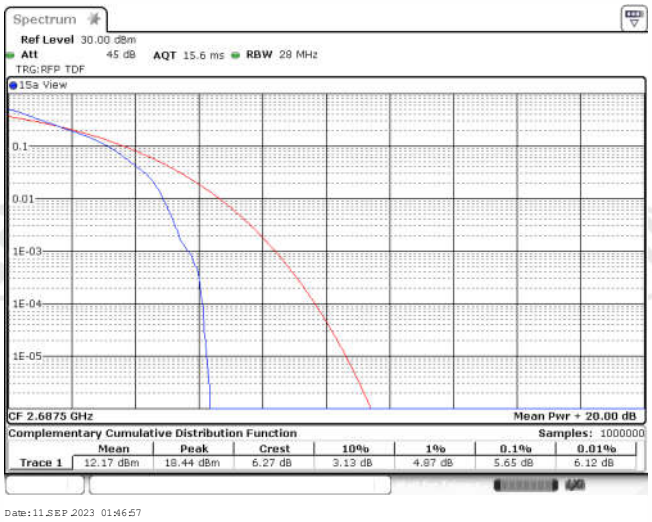

Band41-5MHz-QPSK-40620-1RB#0



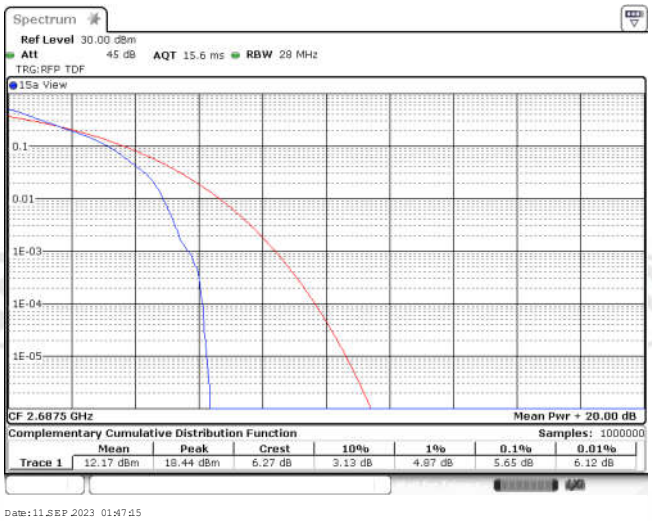

Band41-5MHz-QPSK-40620-25RB#0



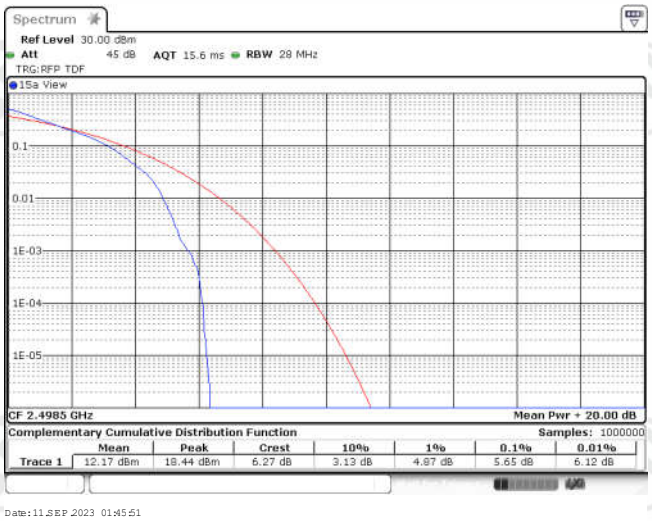

Band41-5MHz-QPSK-41565-1RB#0



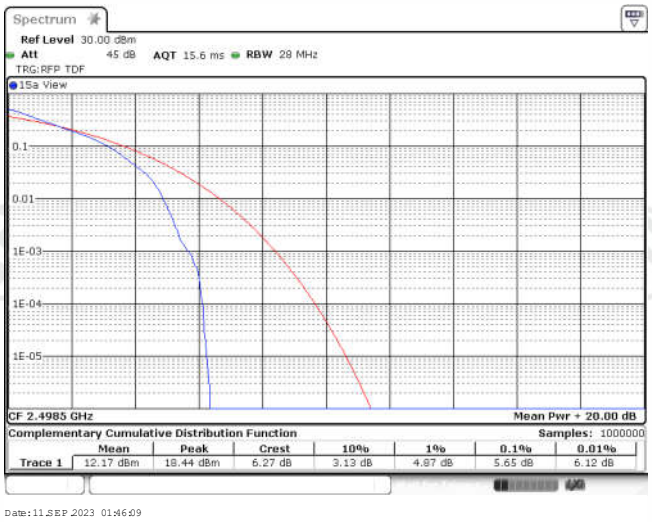

Band41-5MHz-QPSK-41565-25RB#0



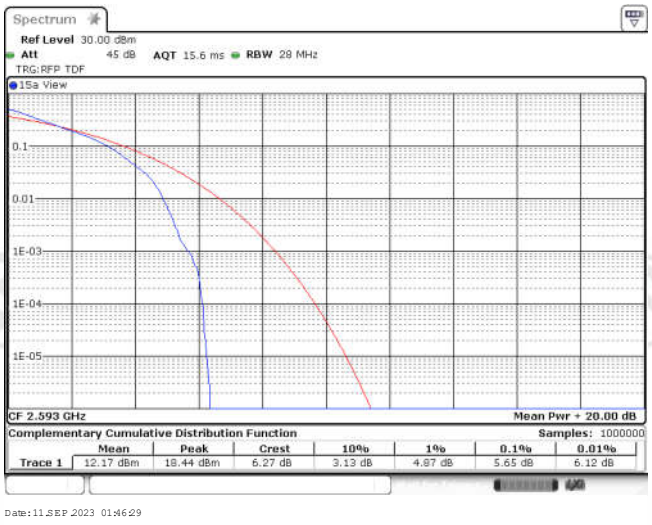

Band41-5MHz-16QAM-39675-1RB#0



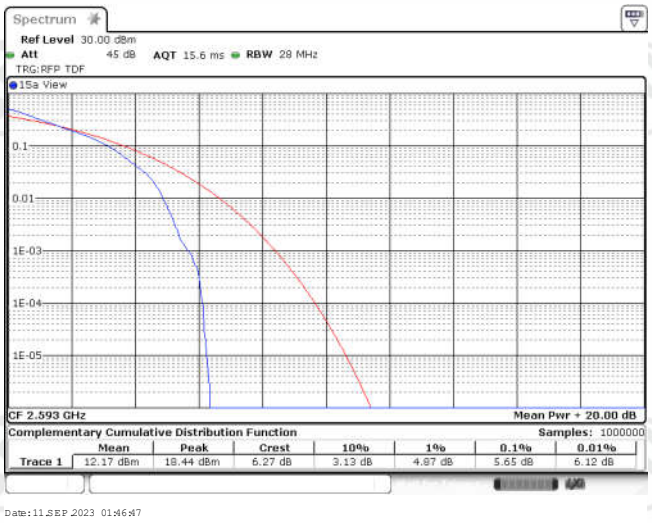

Band41-5MHz-16QAM-39675-25RB#0



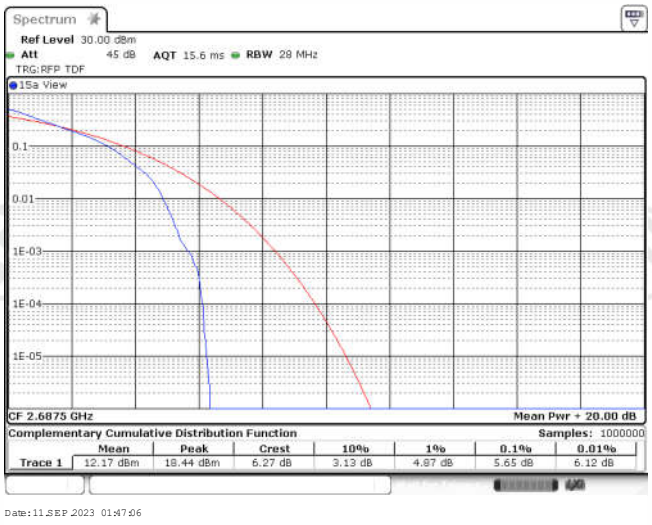

Band41-5MHz-16QAM-40620-1RB#0



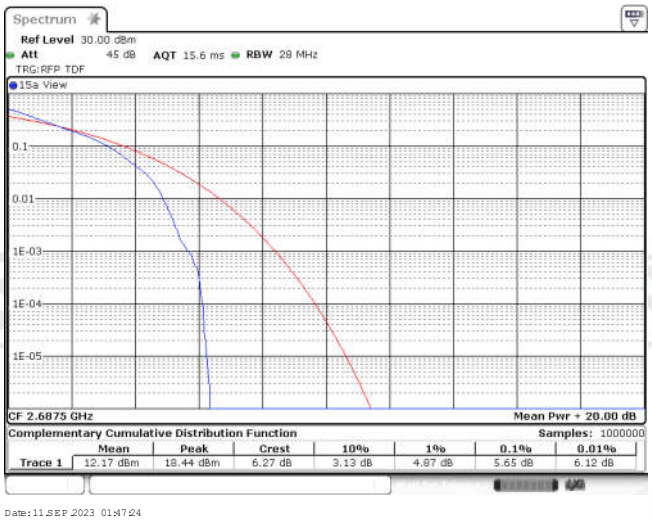

Band41-5MHz-16QAM-40620-25RB#0



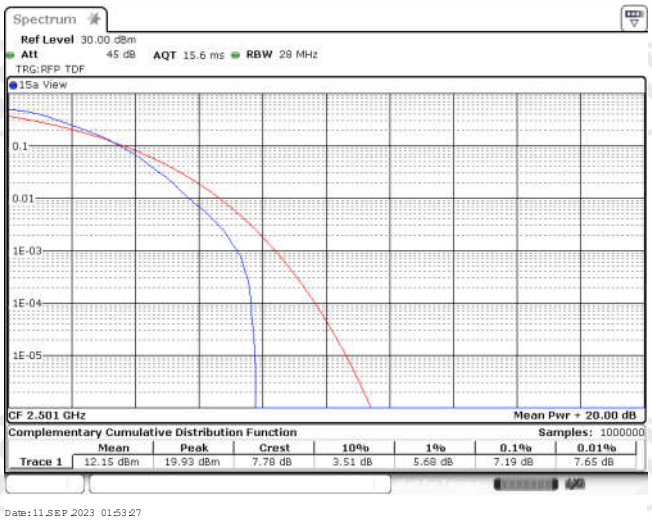

Band41-5MHz-16QAM-41565-1RB#0



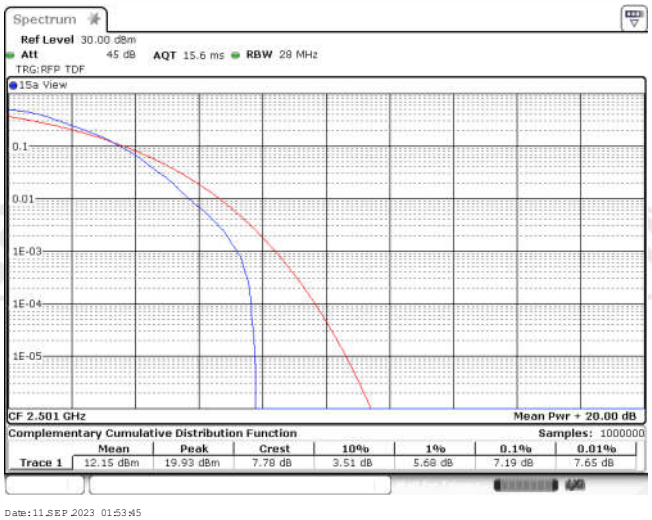

Band41-5MHz-16QAM-41565-25RB#0



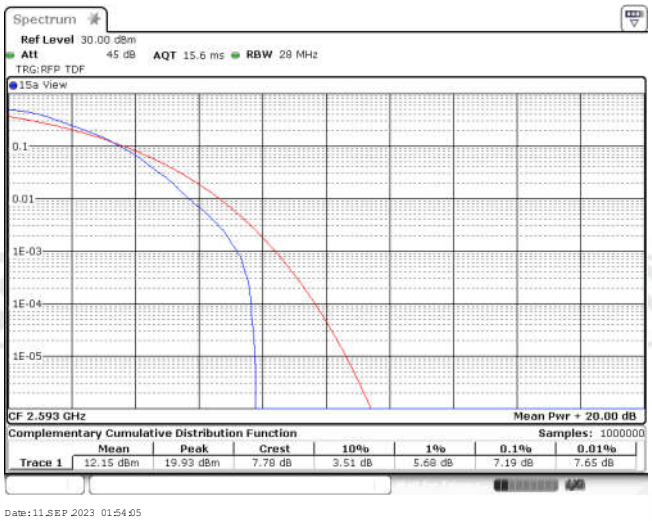

Band41-10MHz-QPSK-39700-1RB#0



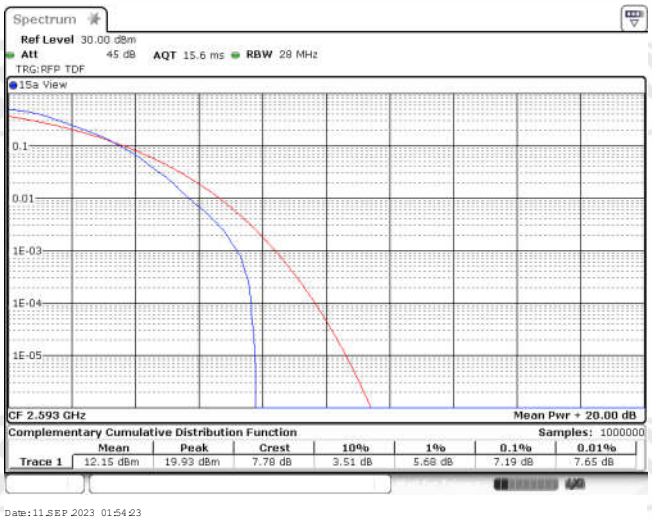

Band41-10MHz-QPSK-39700-50RB#0



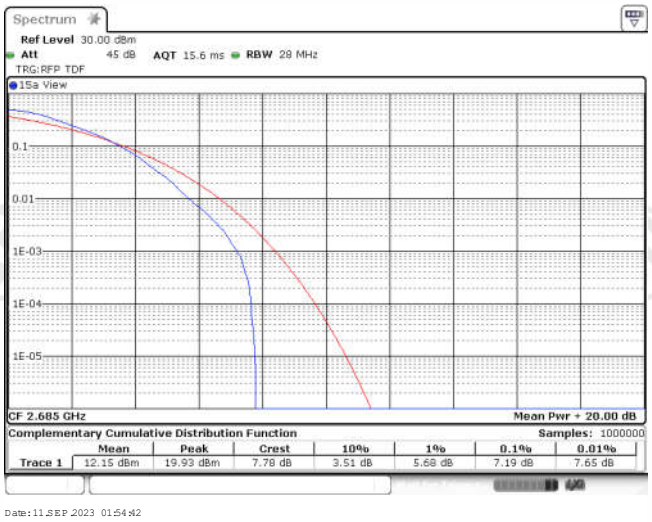

Band41-10MHz-QPSK-40620-1RB#0



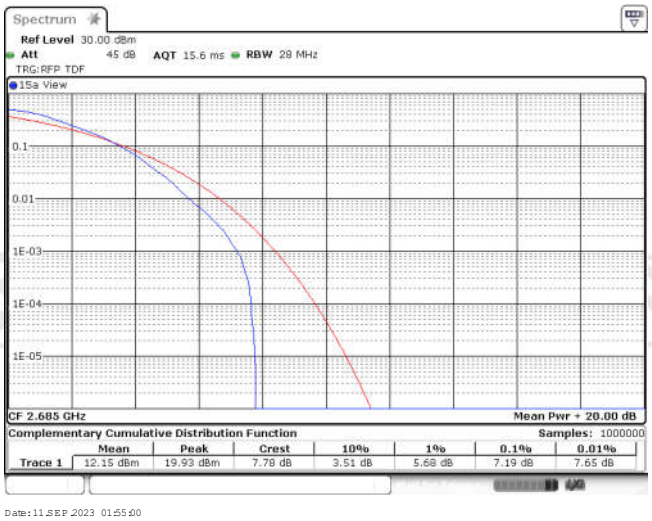

Band41-10MHz-QPSK-40620-50RB#0



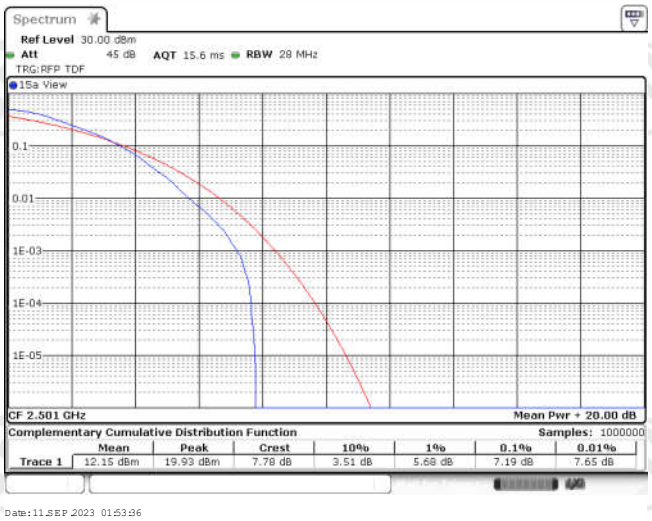

Band41-10MHz-QPSK-41540-1RB#0



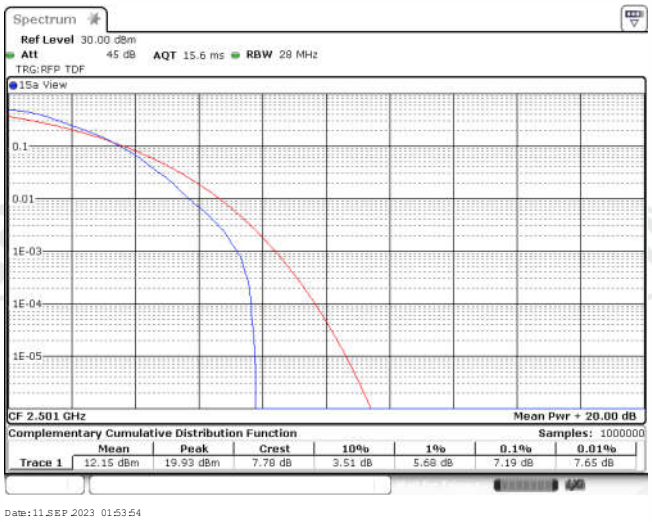

Band41-10MHz-QPSK-41540-50RB#0



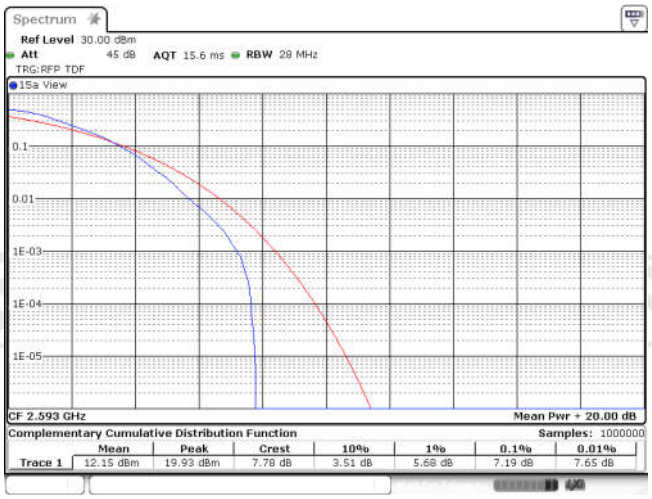

Band41-10MHz-16QAM-39700-1RB#0



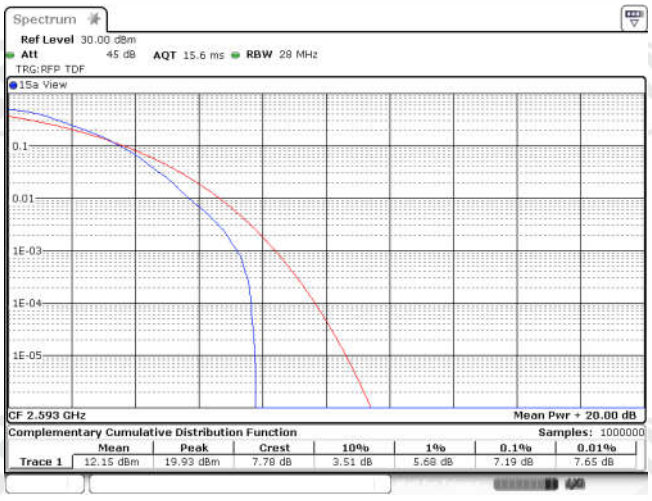

Band41-10MHz-16QAM-39700-50RB#0



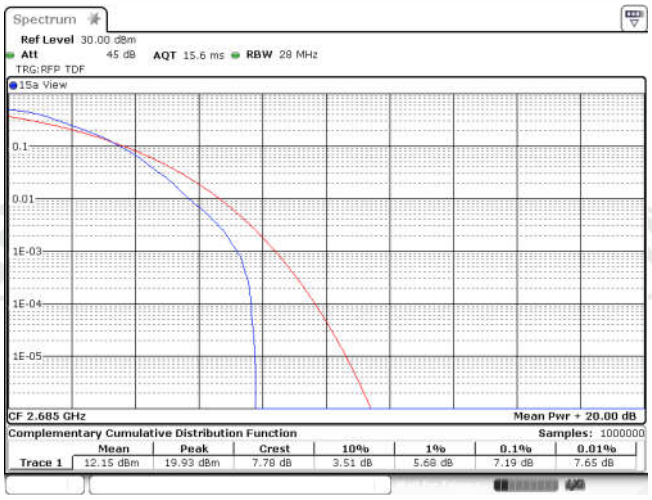

Band41-10MHz-16QAM-40620-1RB#0



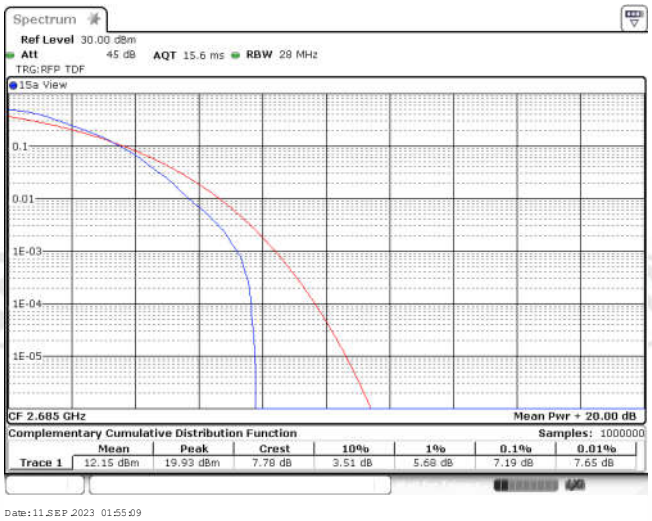

Band41-10MHz-16QAM-40620-50RB#0



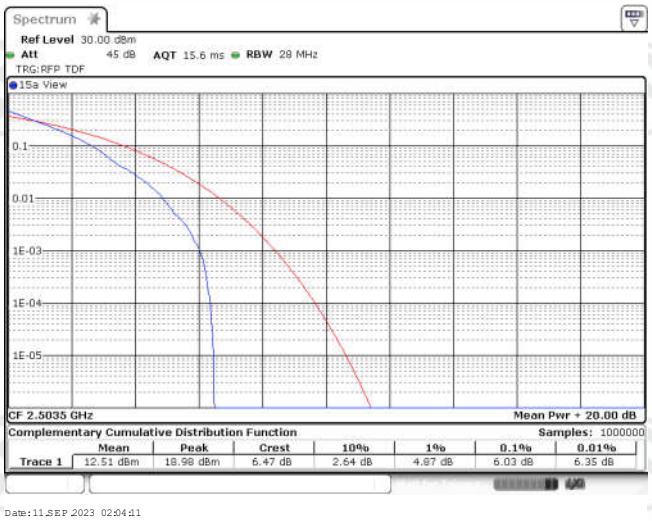

Band41-10MHz-16QAM-41540-1RB#0



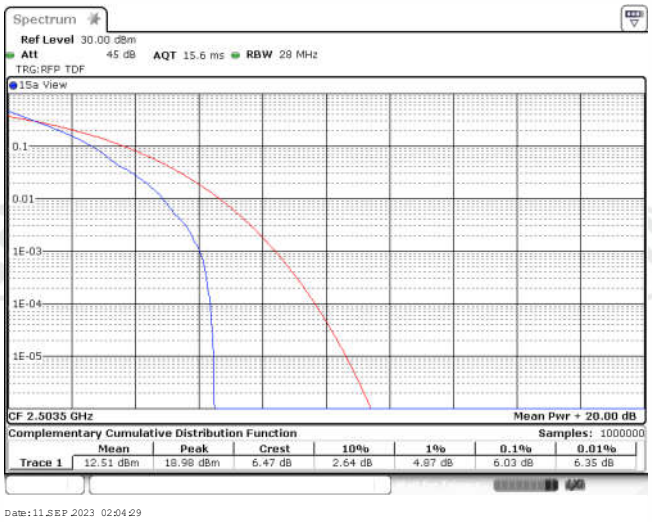

Band41-10MHz-16QAM-41540-50RB#0



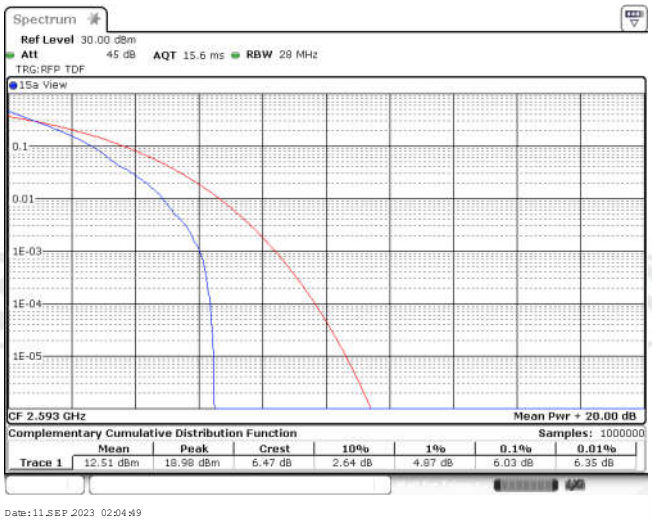

Band41-15MHz-QPSK-39725-1RB#0



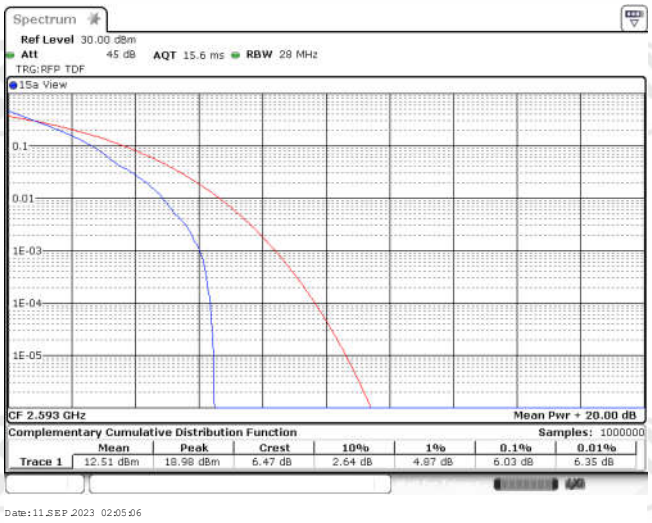

Band41-15MHz-QPSK-39725-75RB#0



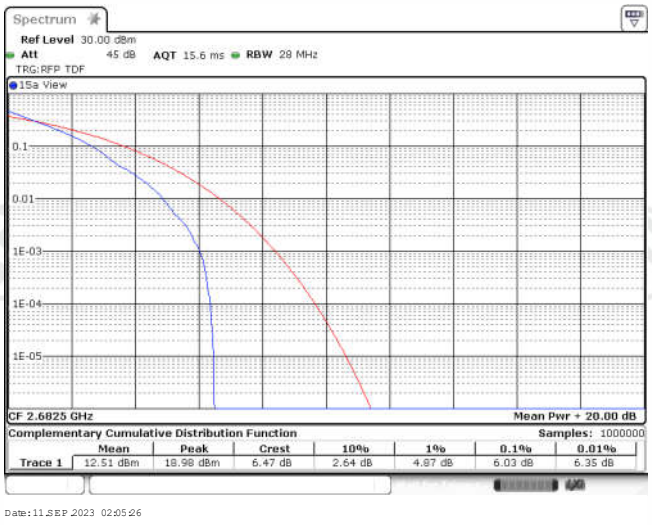

Band41-15MHz-QPSK-40620-1RB#0



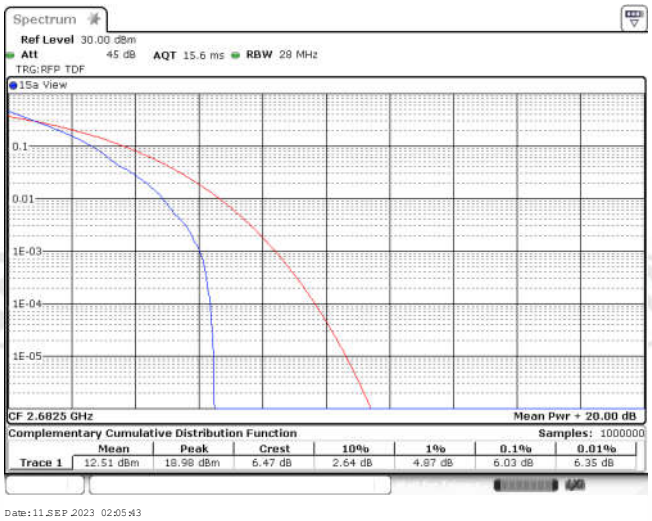

Band41-15MHz-QPSK-40620-75RB#0



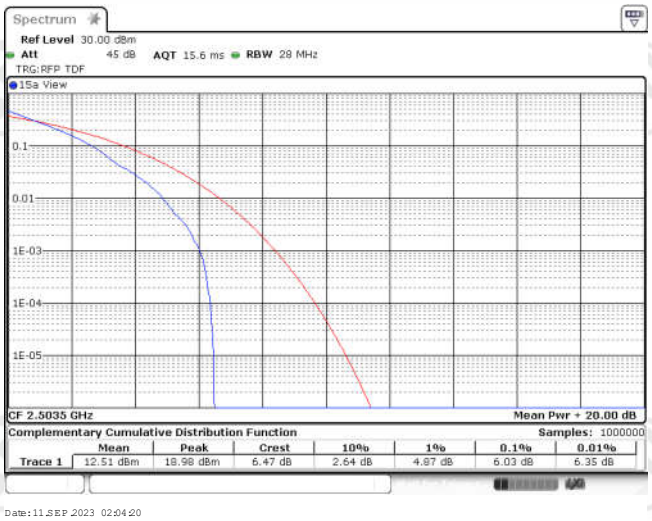

Band41-15MHz-QPSK-41515-1RB#0



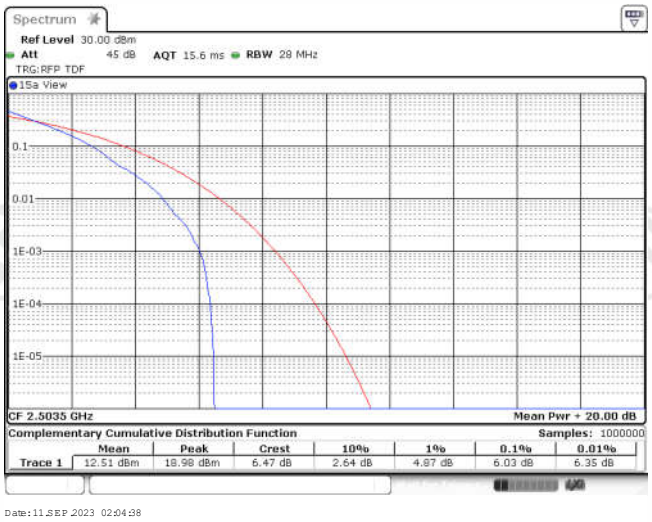

Band41-15MHz-QPSK-41515-75RB#0



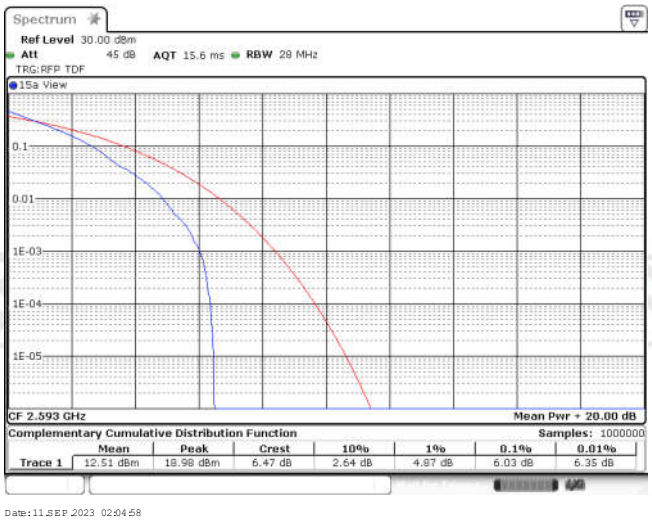

Band41-15MHz-16QAM-39725-1RB#0



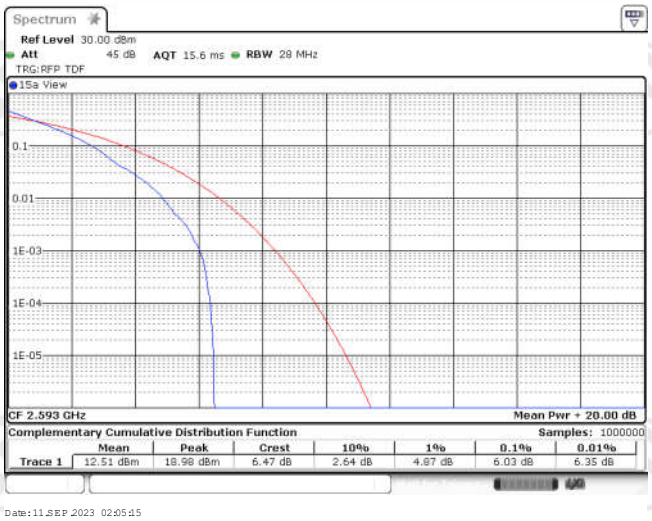

Band41-15MHz-16QAM-39725-75RB#0



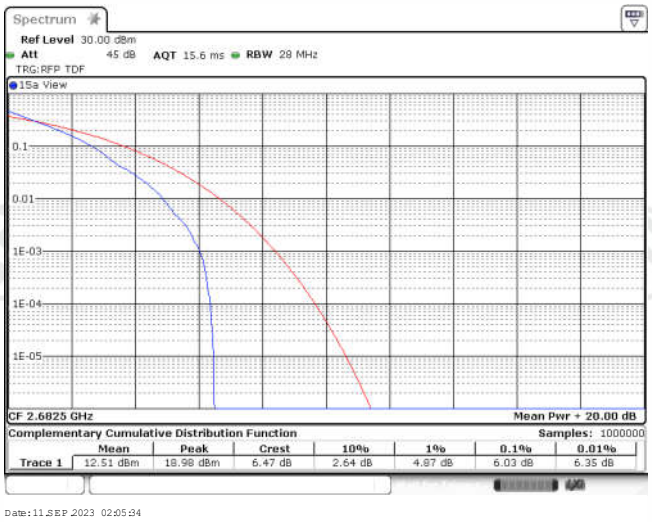

Band41-15MHz-16QAM-40620-1RB#0



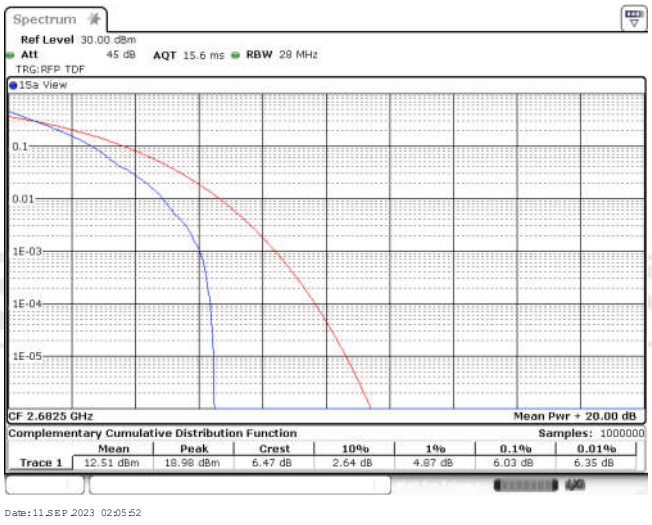

Band41-15MHz-16QAM-40620-75RB#0



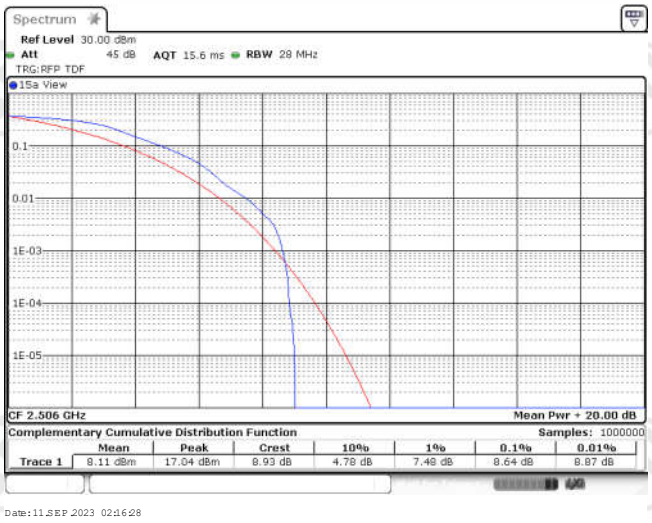

Band41-15MHz-16QAM-41515-1RB#0



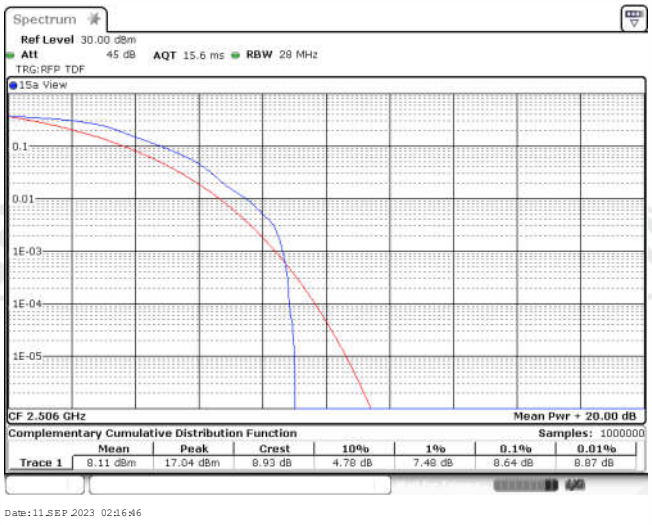

Band41-15MHz-16QAM-41515-75RB#0



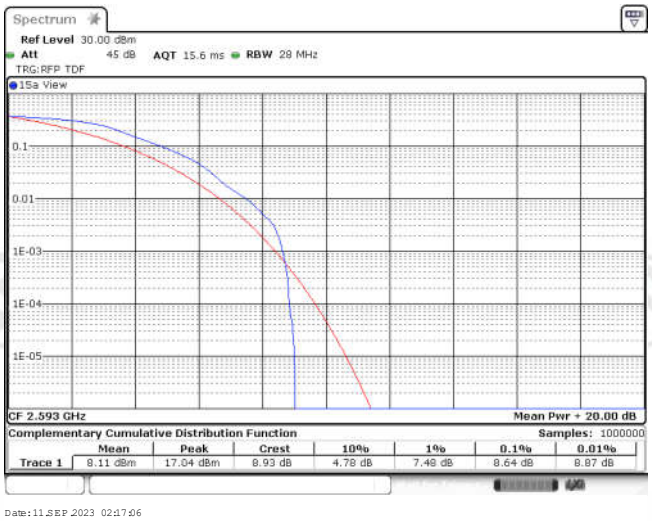

Band41-20MHz-QPSK-39750-1RB#0



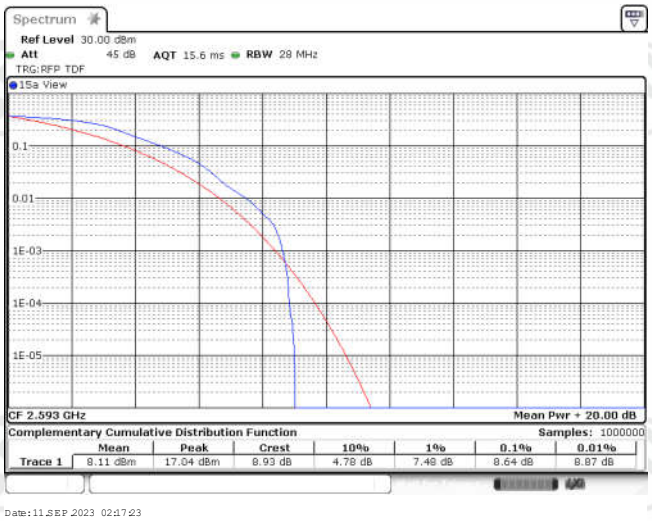

Band41-20MHz-QPSK-39750-100RB#0



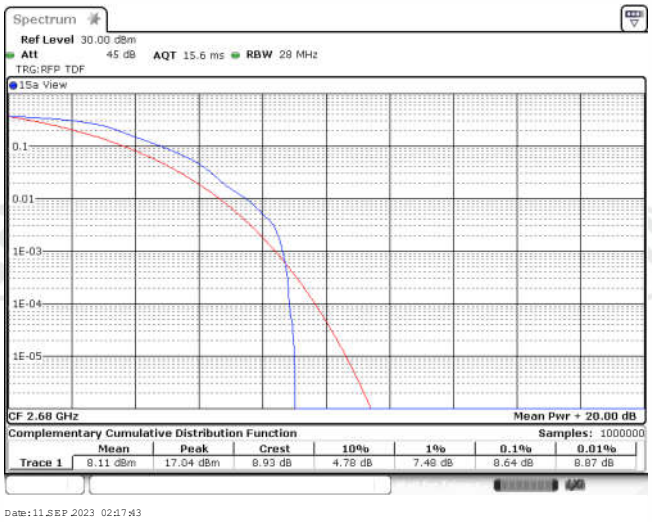

Band41-20MHz-QPSK-40620-1RB#0



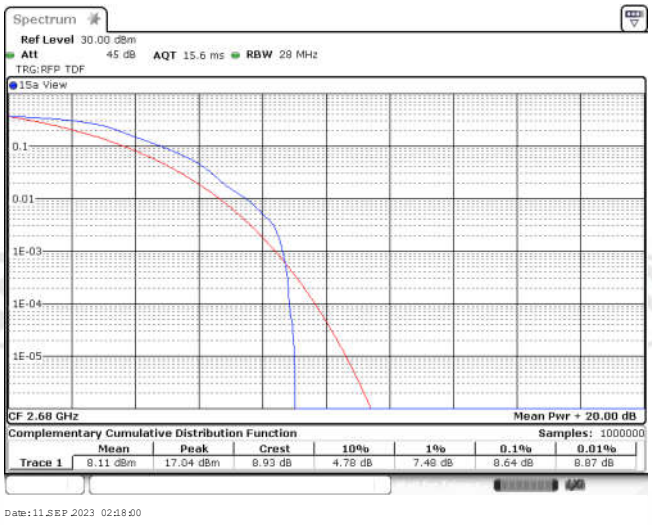

Band41-20MHz-QPSK-40620-100RB#0



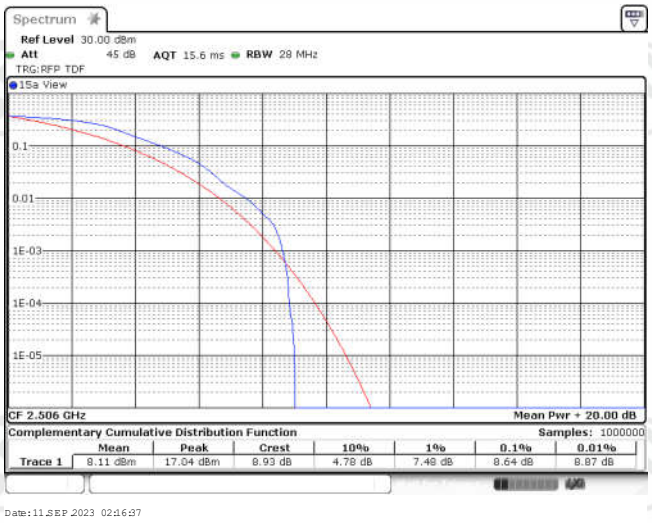

Band41-20MHz-QPSK-41490-1RB#0



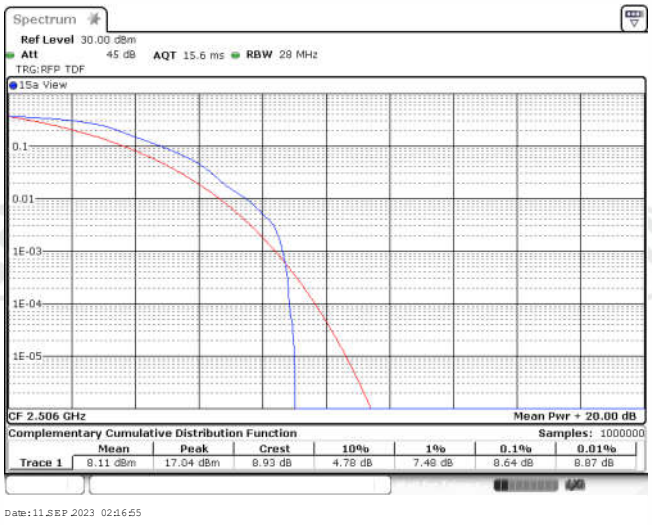

Band41-20MHz-QPSK-41490-100RB#0



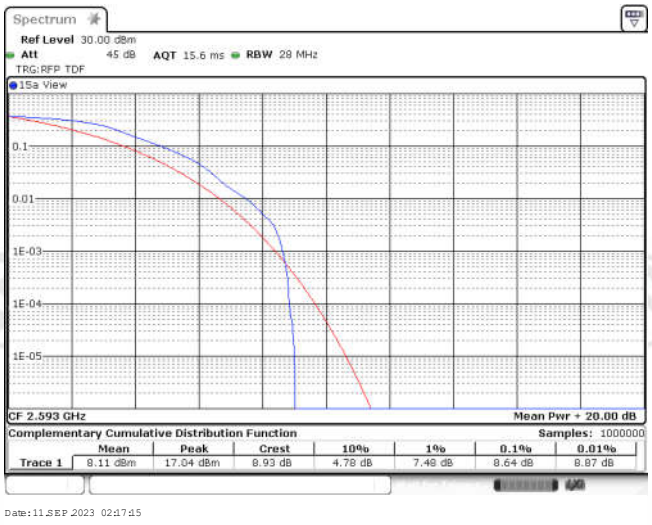

Band41-20MHz-16QAM-39750-1RB#0



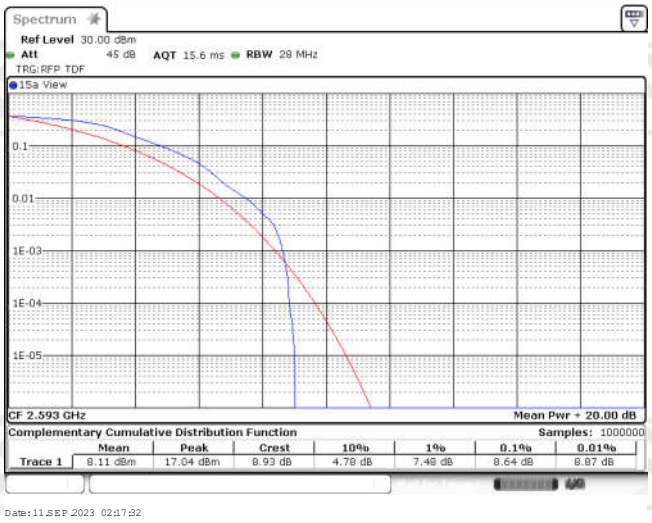

Band41-20MHz-16QAM-39750-100RB#0



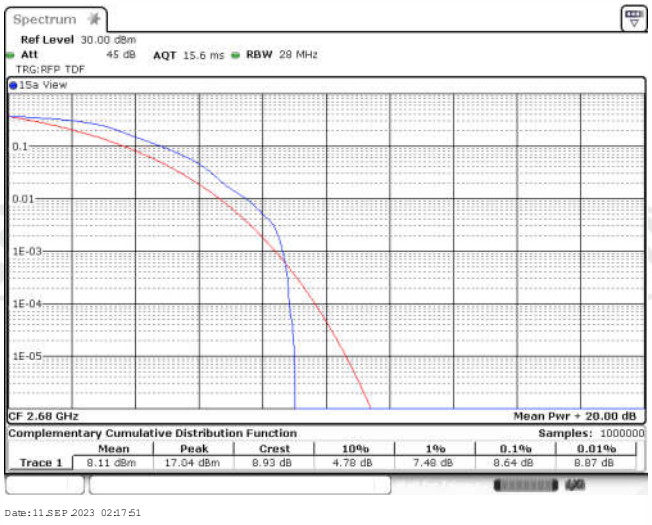

Band41-20MHz-16QAM-40620-1RB#0



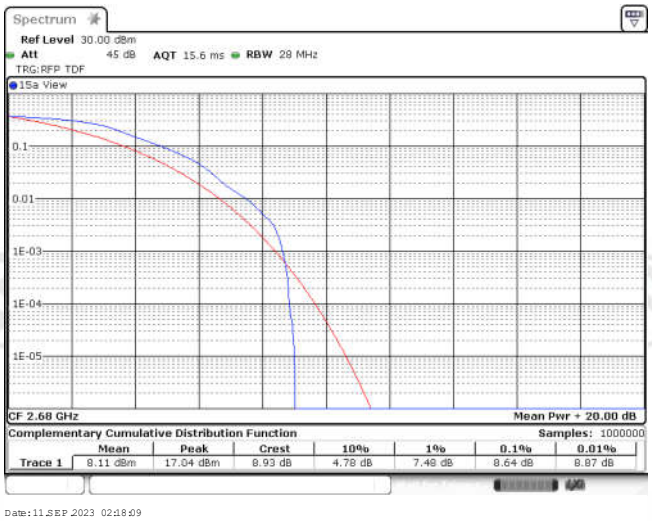

Band41-20MHz-16QAM-40620-100RB#0




Band41-20MHz-16QAM-41490-1RB#0




Band41-20MHz-16QAM-41490-100RB#0


Spectrum
Ref Level 30.00 dBm
Att 45 dB AQT 15.6 ms RBW 28 MHz
TRG:RFP TDF
15a View
0.1
0.01
1E-03
1E-04
1E-05
CF 2.68 GHz
Mean Pwr + 20.00 dB
Complementary Cumulative Distribution Function
Samples: 1000000
Mean Peak Crest 10% 1% 0.1% 0.01%
Trace 1 8.11 dBm 17.04 dBm 8.93 dB 4.78 dB 7.48 dB 8.64 dB 8.87 dB
Date:11.SEP.2023 02:18:09

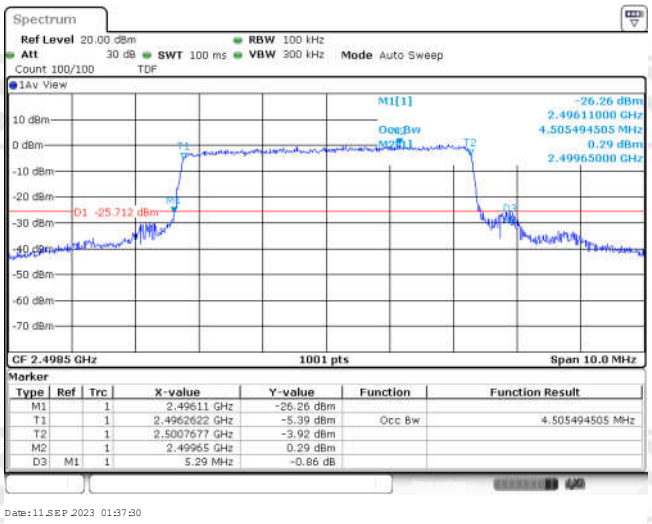
# Appendix C: 26dB Bandwidth and Occupied Bandwidth

## Test Result

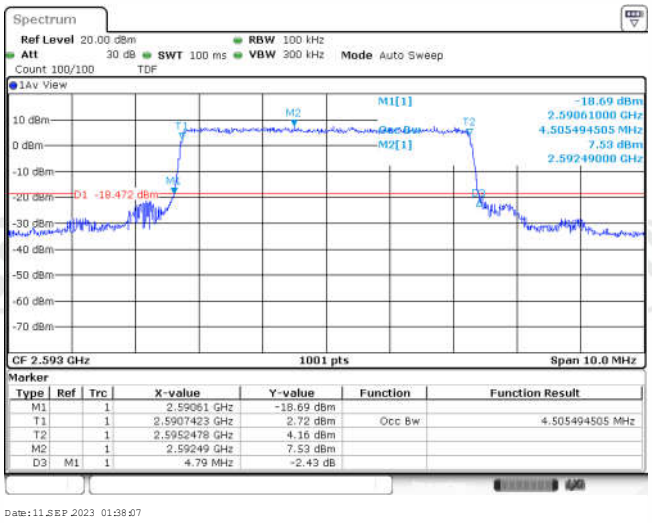
| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|---|---|---|
| Band41 | 5MHz | QPSK | 39675 | 25RB#0 | 4.505 | 5.290 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | 4.505 | 4.790 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 25RB#0 | 4.505 | 4.780 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 25RB#0 | 4.505 | 4.780 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | 4.505 | 4.790 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 25RB#0 | 4.515 | 4.810 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 50RB#0 | 8.952 | 9.533 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | 8.985 | 9.533 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 50RB#0 | 8.952 | 9.567 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 50RB#0 | 8.952 | 9.500 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0 | 8.985 | 9.533 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 50RB#0 | 8.985 | 9.567 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 75RB#0 | 13.378 | 14.250 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | 13.478 | 14.300 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 75RB#0 | 13.478 | 14.250 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 75RB#0 | 13.378 | 14.250 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0 | 13.478 | 14.300 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 75RB#0 | 13.478 | 14.300 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 100RB#0 | 17.837 | 19.267 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | 18.037 | 19.267 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 100RB#0 | 17.97 | 19.200 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | 17.903 | 19.267 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | 18.037 | 19.333 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | 17.97 | 19.200 | PASS |

## Test Graphs

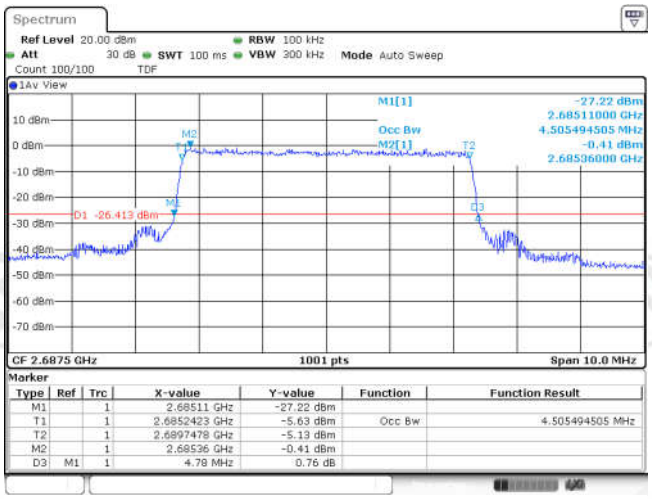
Band41-5MHz-QPSK-39675-25RB#0-4.505



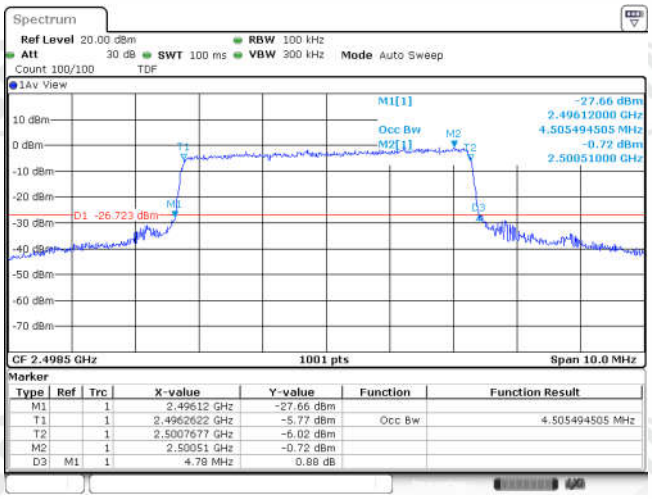

Band41-5MHz-QPSK-40620-25RB#0-4.505



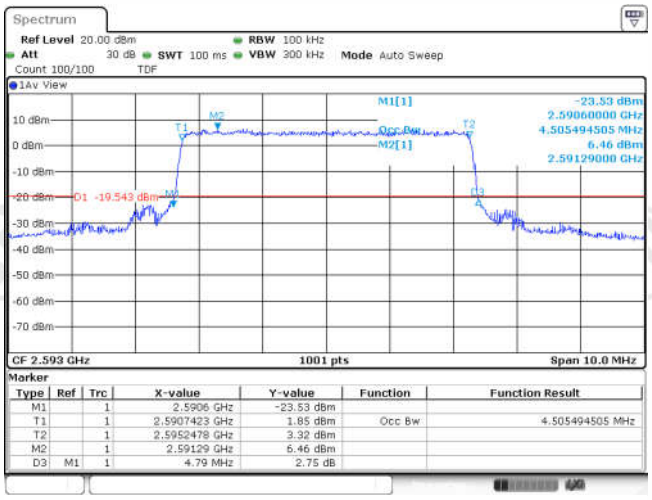

Band41-5MHz-QPSK-41565-25RB#0-4.505



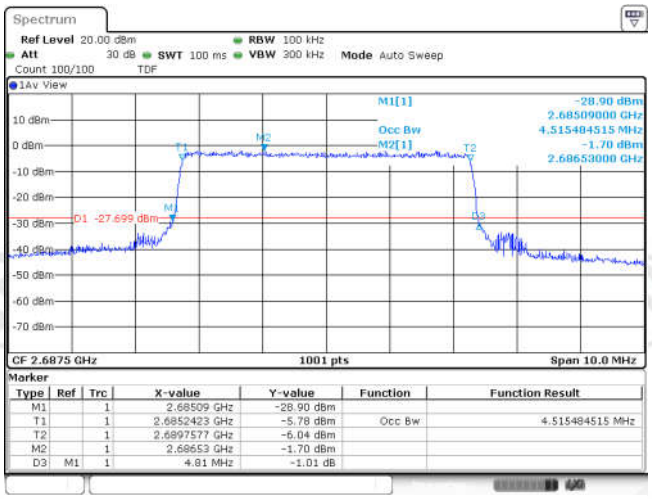

Band41-5MHz-16QAM-39675-25RB#0-4.505



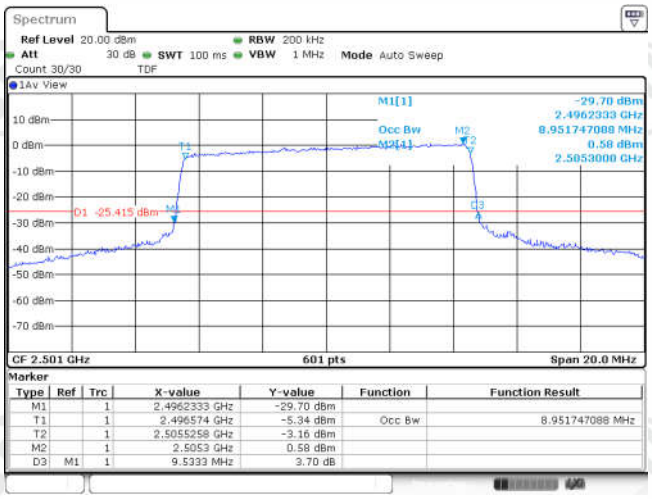

Band41-5MHz-16QAM-40620-25RB#0-4.505



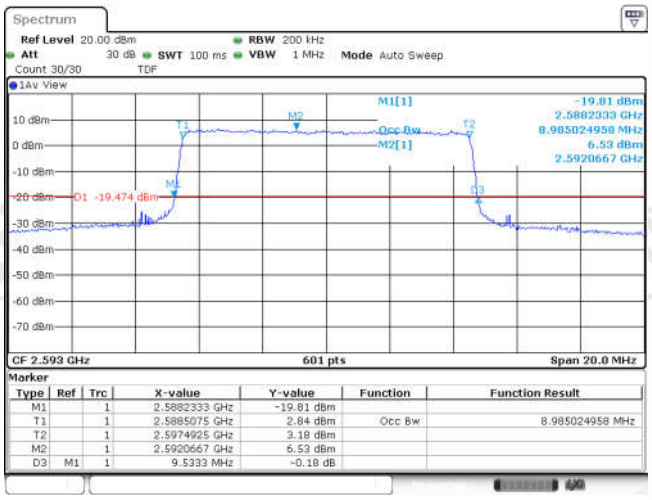

Band41-5MHz-16QAM-41565-25RB#0-4.515



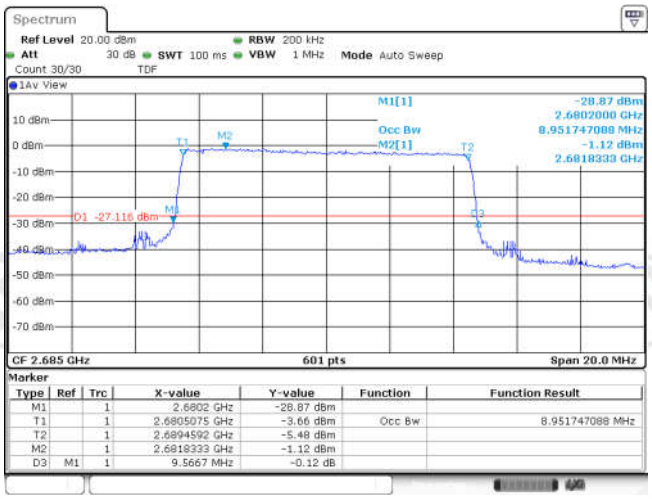

Band41-10MHz-QPSK-39700-50RB#0-8.952



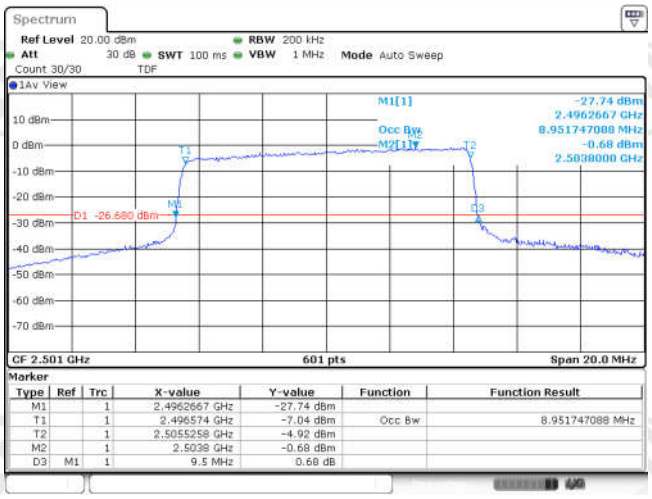

Band41-10MHz-QPSK-40620-50RB#0-8.985



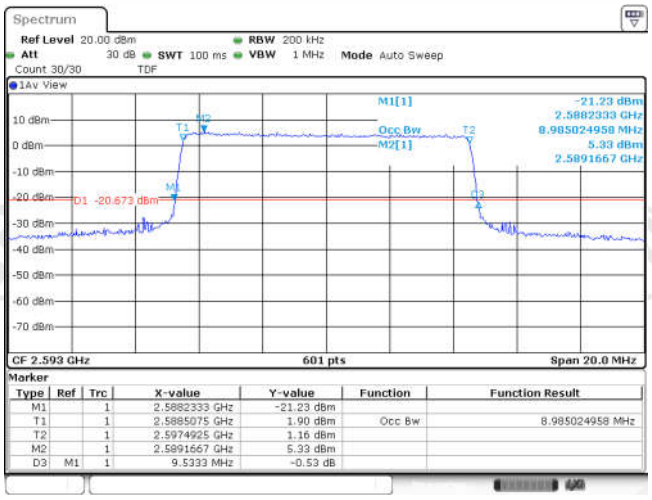

Band41-10MHz-QPSK-41540-50RB#0-8.952



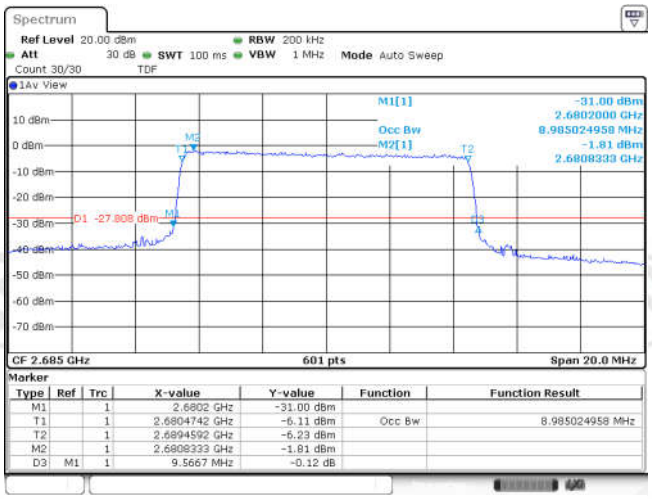

Band41-10MHz-16QAM-39700-50RB#0-8.952



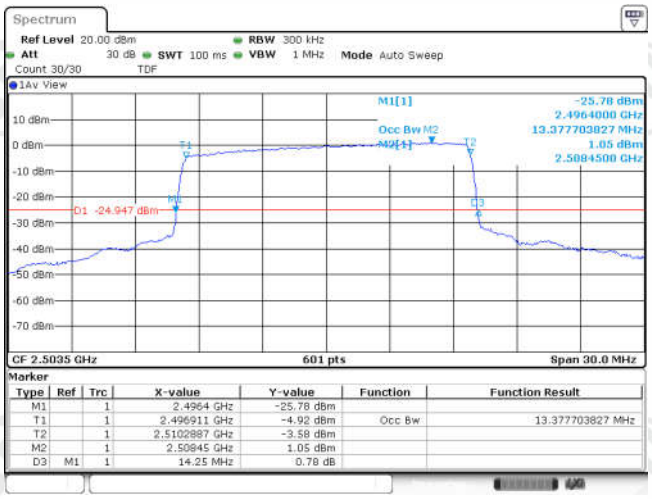

Band41-10MHz-16QAM-40620-50RB#0-8.985



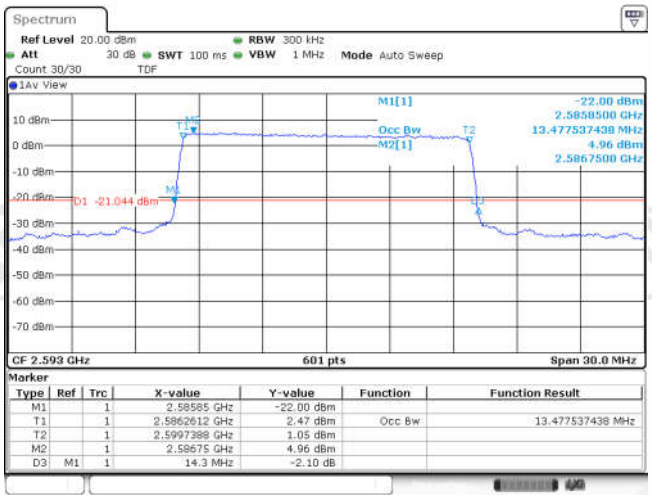

Band41-10MHz-16QAM-41540-50RB#0-8.985



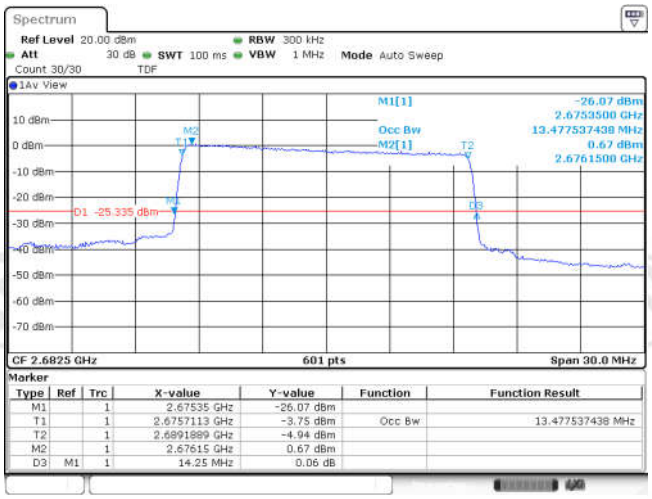

Band41-15MHz-QPSK-39725-75RB#0-13.378



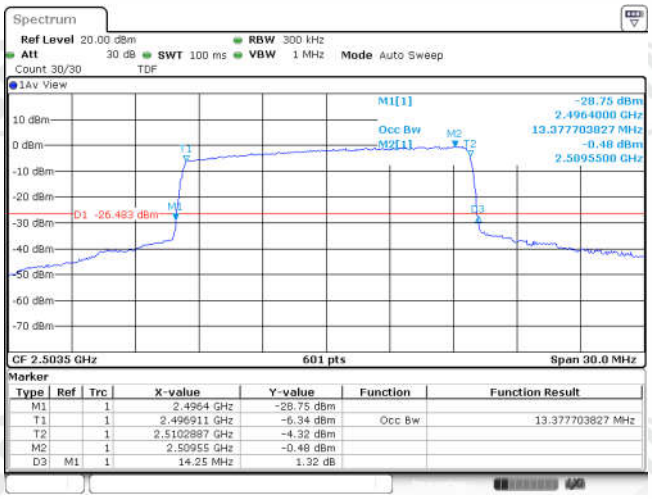

Band41-15MHz-QPSK-40620-75RB#0-13.478



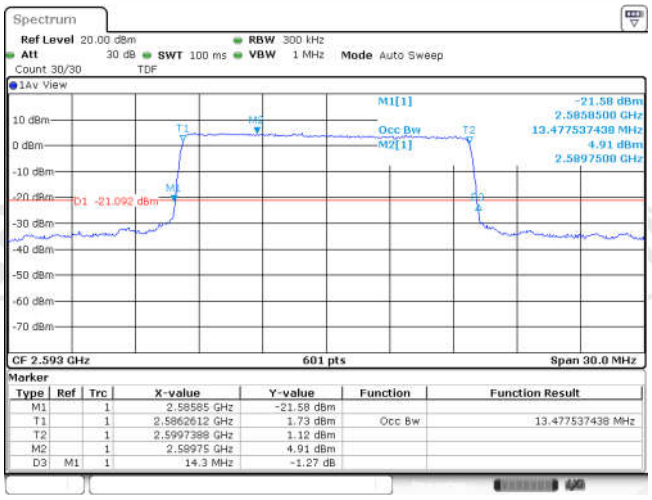

Band41-15MHz-QPSK-41515-75RB#0-13.478



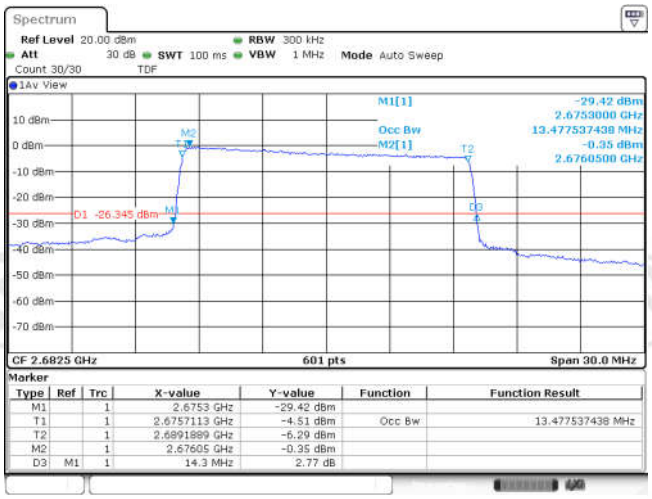

Band41-15MHz-16QAM-39725-75RB#0-13.378



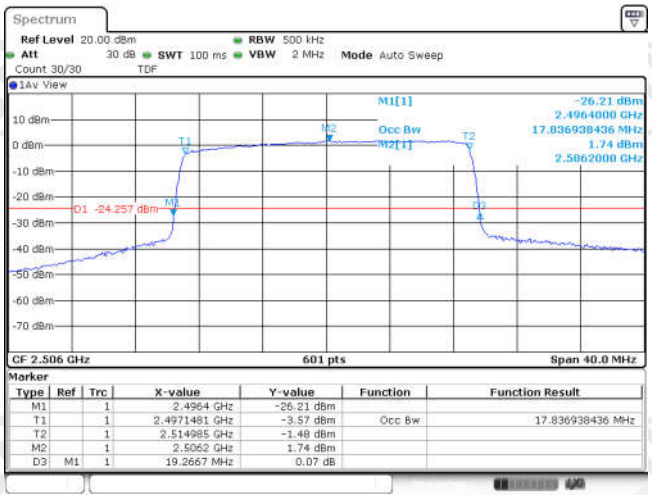

Band41-15MHz-16QAM-40620-75RB#0-13.478



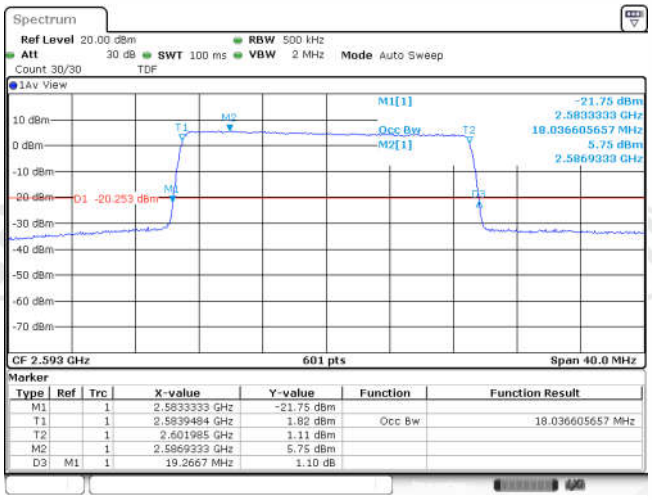

Band41-15MHz-16QAM-41515-75RB#0-13.478



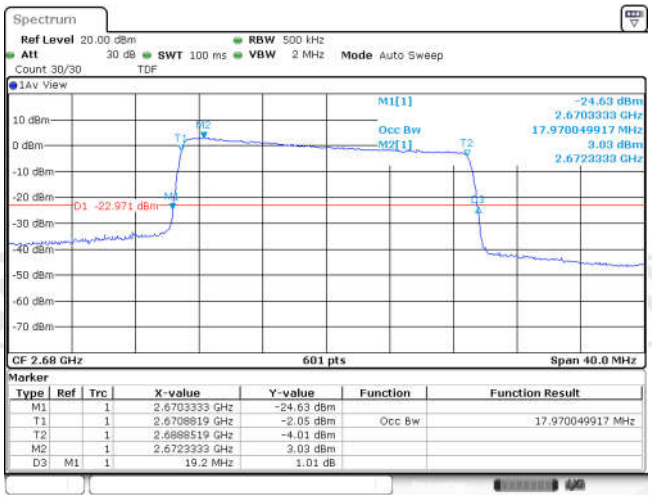

Band41-20MHz-QPSK-39750-100RB#0-17.837



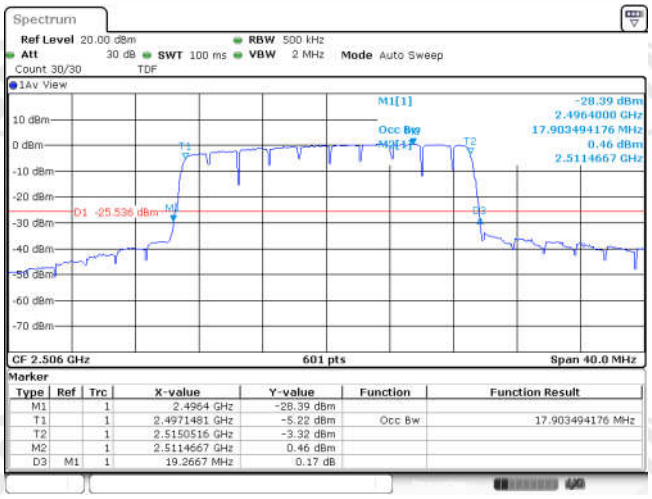

Band41-20MHz-QPSK-40620-100RB#0-18.037



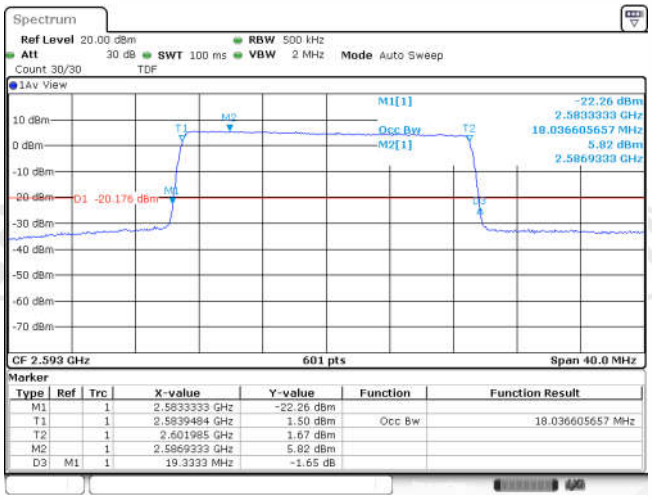

Band41-20MHz-QPSK-41490-100RB#0-17.97



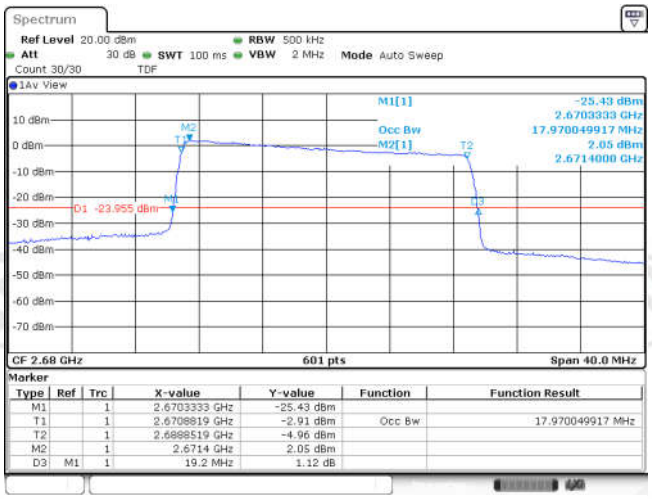

Band41-20MHz-16QAM-39750-100RB#0-17.903




Band41-20MHz-16QAM-40620-100RB#0-18.037




Band41-20MHz-16QAM-41490-100RB#0-17.97


Spectrum
Ref Level 20.00 dBm
RBW 500 kHz
Att 30 dB
SWT 100 ms
VBW 2 MHz
Mode Auto Sweep
Count 30/30
TDF
1Av View
M1[1] -25.43 dBm 2.6703333 GHz
Occ Bw 17.970049917 MHz
M2[1] 2.05 dBm 2.6714000 GHz
D1 -23.955 dBm
CF 2.68 GHz
601 pts
Span 40.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 2.6703333 GHz -25.43 dBm
T1 1 2.6708819 GHz -2.91 dBm Occ Bw 17.970049917 MHz
T2 1 2.6888519 GHz -4.96 dBm
M2 1 2.6714 GHz 2.05 dBm
D3 M1 1 19.2 MHz 1.12 dB
Date:11.SEP.2023 02:13:38

# Appendix D: Band Edge

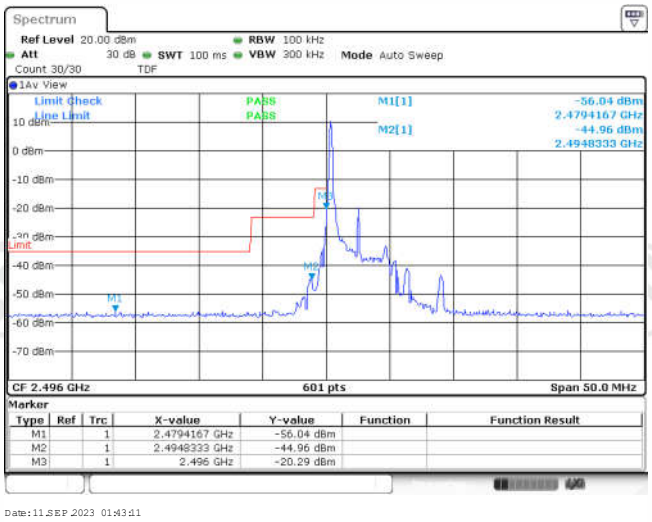
## Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|---|---|---|---|---|---|---|
| Band41 | 5MHz | QPSK | 39675 | 1RB#0 | -56.04,-44.96,-20.29 | PASS |
| Band41 | 5MHz | QPSK | 39675 | 1RB#24 | -56.28,-45.14,-41.59 | PASS |
| Band41 | 5MHz | QPSK | 39675 | 25RB#0 | -56.00,-39.08,-33.02 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 1RB#0 | -40.83,-43.78,-55.25,-55.83 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 1RB#24 | -25.12,-44.28,-56.36,-53.89 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 25RB#0 | -34.19,-41.89,-50.60,-50.00 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 1RB#0 | -56.27,-44.06,-22.90 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 1RB#24 | -56.08,-45.75,-42.59 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 25RB#0 | -55.67,-39.25,-34.49 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 1RB#0 | -39.37,-43.30,-55.89,-55.79 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 1RB#24 | -27.33,-43.06,-56.08,-54.47 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 25RB#0 | -35.08,-41.25,-49.62,-51.35 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 1RB#0 | -51.08,-46.14,-25.28 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 1RB#49 | -51.00,-44.09,-42.54 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 50RB#0 | -51.55,-39.13,-34.08 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 1RB#0 | -41.86,-43.86,-45.38,-53.86 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 1RB#49 | -27.92,-46.51,-51.05,-53.64 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 50RB#0 | -38.09,-43.23,-45.42,-51.59 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#0 | -51.64,-46.99,-27.37 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#49 | -51.43,-45.62,-41.88 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 50RB#0 | -53.54,-38.89,-36.33 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#0 | -40.91,-44.82,-47.38,-53.74 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#49 | -30.75,-46.12,-51.47,-53.83 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 50RB#0 | -37.80,-41.87,-45.61,-50.50 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 1RB#0 | -52.94,-46.80,-30.87 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 1RB#74 | -52.73,-48.40,-46.30 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 75RB#0 | -52.77,-37.83,-35.85 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 1RB#0 | -45.40,-51.54,-48.45,-52.41 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 1RB#74 | -31.50,-45.63,-50.24,-52.24 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 75RB#0 | -38.22,-40.62,-44.95,-52.03 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#0 | -52.77,-47.81,-32.47 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#74 | -52.87,-50.00,-47.19 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 75RB#0 | -52.73,-38.34,-36.81 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#0 | -45.61,-51.48,-49.34,-52.31 | PASS |

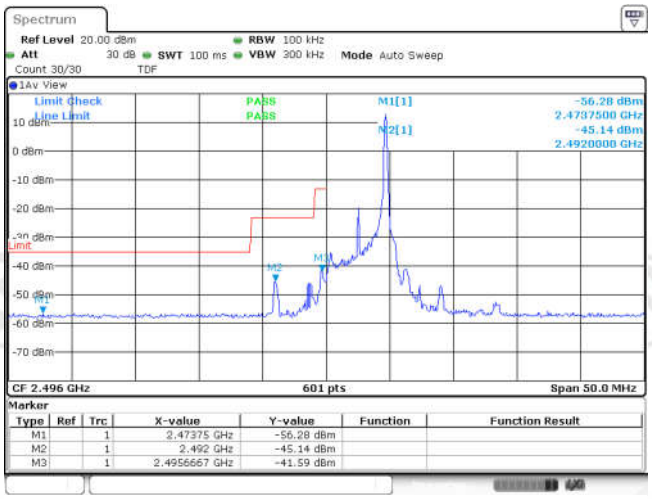
| | | | | | | |
|---|---|---|---|---|---|---|
| Band41 | 15MHz | 16QAM | 41515 | 1RB#74 | -31.60,-45.39,-50.53,-52.52 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 75RB#0 | -39.66,-39.92,-44.48,-51.96 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 1RB#0 | -49.03,-46.19,-35.03 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 1RB#99 | -47.18,-47.02,-48.71 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 100RB#0 | -47.38,-38.53,-37.10 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 1RB#0 | -47.80,-50.11,-50.73,-50.67 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 1RB#99 | -35.33,-44.47,-48.68,-50.93 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 100RB#0 | -40.49,-42.19,-44.55,-50.69 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#0 | -47.65,-46.54,-35.55 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#99 | -46.91,-47.09,-49.00 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | -47.23,-38.77,-37.18 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#0 | -48.83,-49.90,-50.53,-51.01 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#99 | -34.56,-45.22,-48.68,-50.83 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | -39.92,-41.30,-42.66,-50.76 | PASS |

## Test Graphs

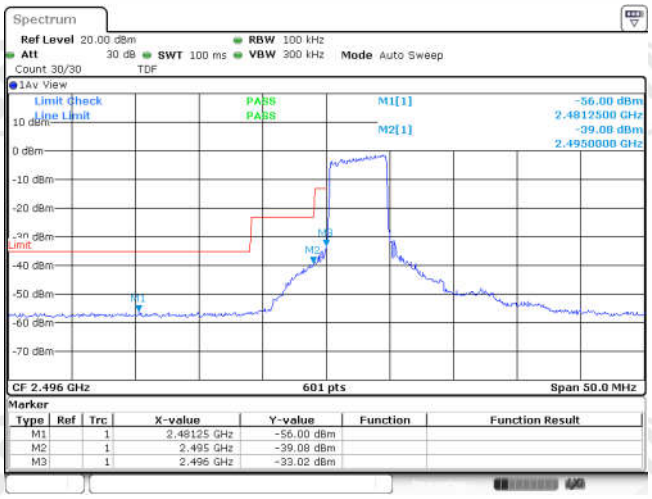
Band41-5MHz-QPSK-39675-1RB#0



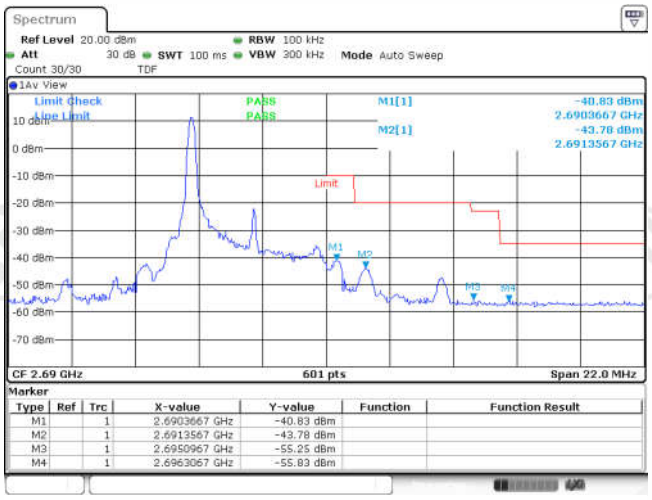

Band41-5MHz-QPSK-39675-1RB#24



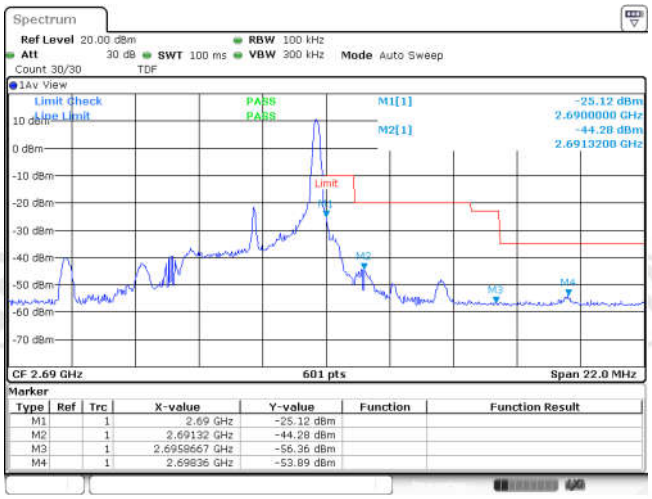

Band41-5MHz-QPSK-39675-25RB#0



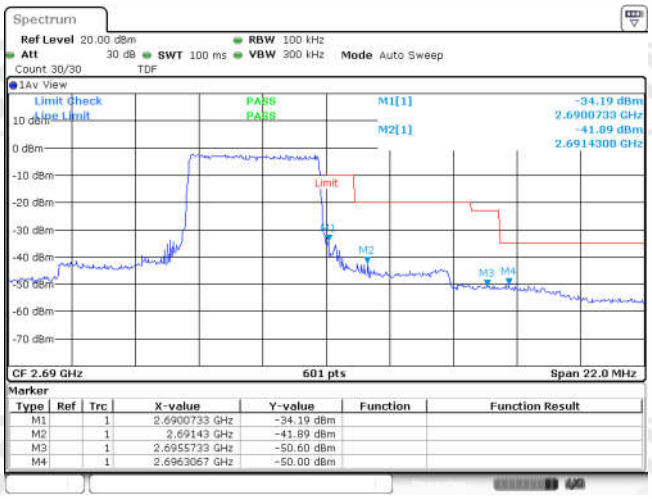

Band41-5MHz-QPSK-41565-1RB#0



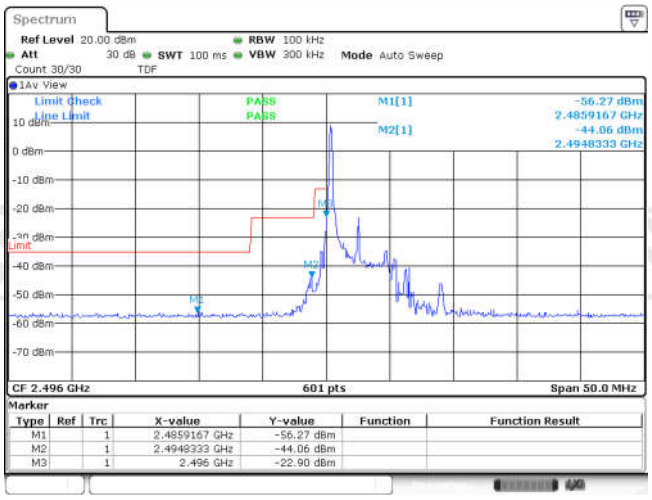

Band41-5MHz-QPSK-41565-1RB#24



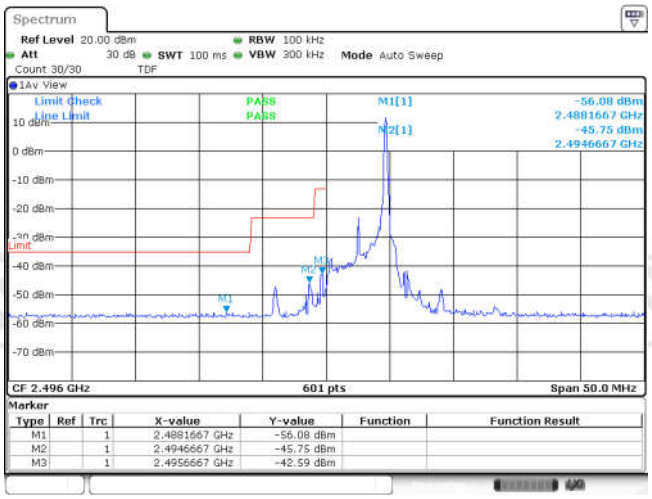

Band41-5MHz-QPSK-41565-25RB#0



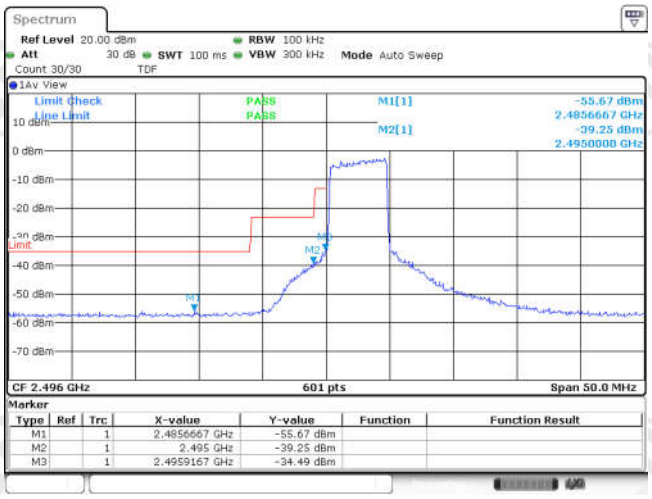

Band41-5MHz-16QAM-39675-1RB#0



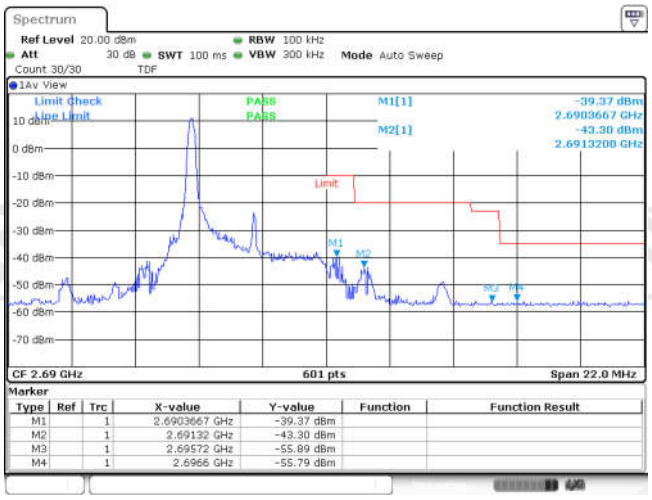

Band41-5MHz-16QAM-39675-1RB#24



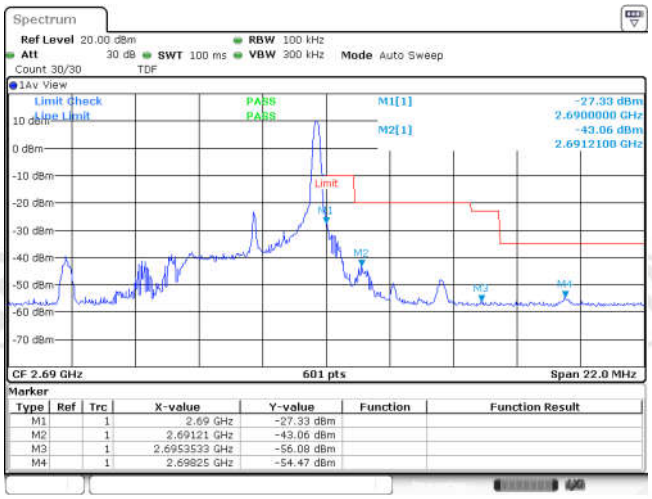

Band41-5MHz-16QAM-39675-25RB#0



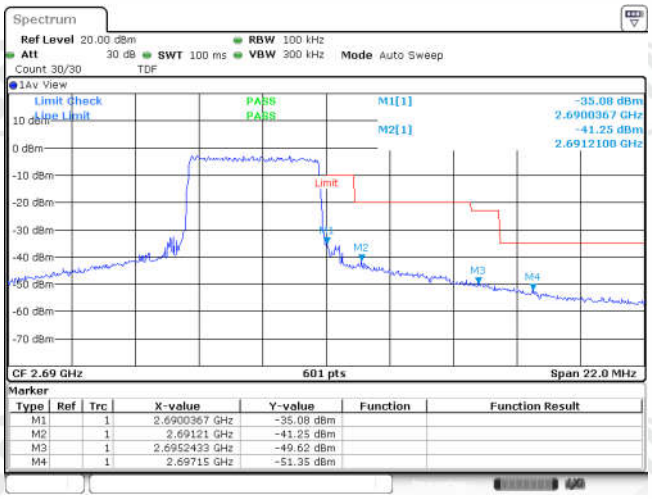

Band41-5MHz-16QAM-41565-1RB#0



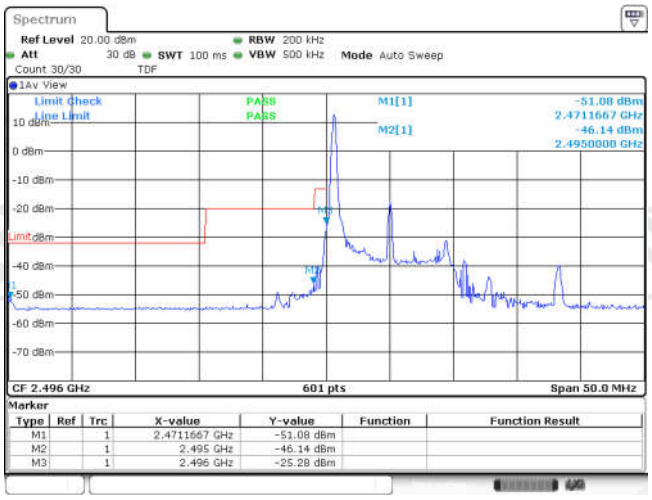

Band41-5MHz-16QAM-41565-1RB#24



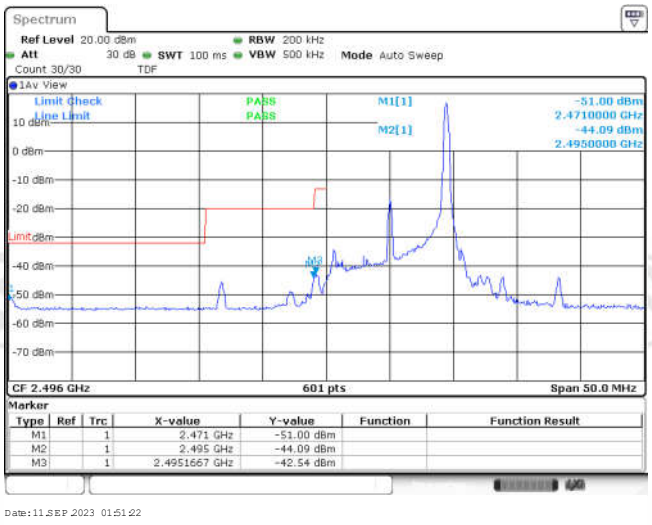

Band41-5MHz-16QAM-41565-25RB#0



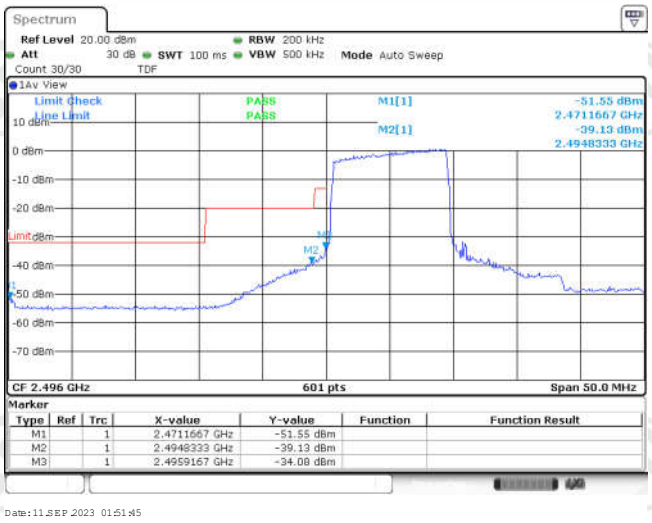

Band41-10MHz-QPSK-39700-1RB#0



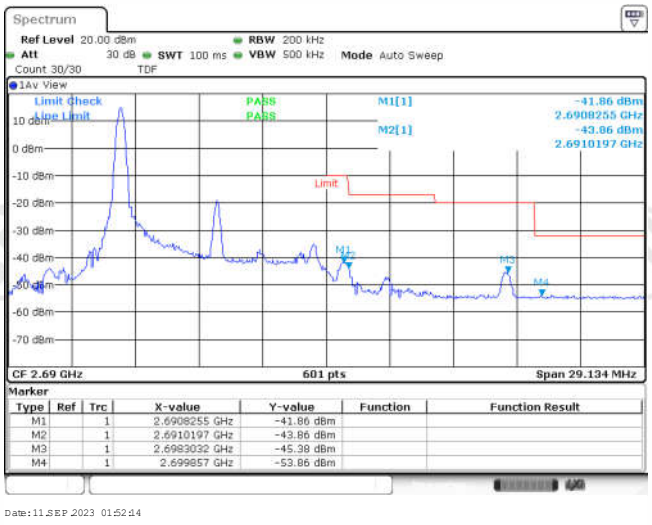

Band41-10MHz-QPSK-39700-1RB#49



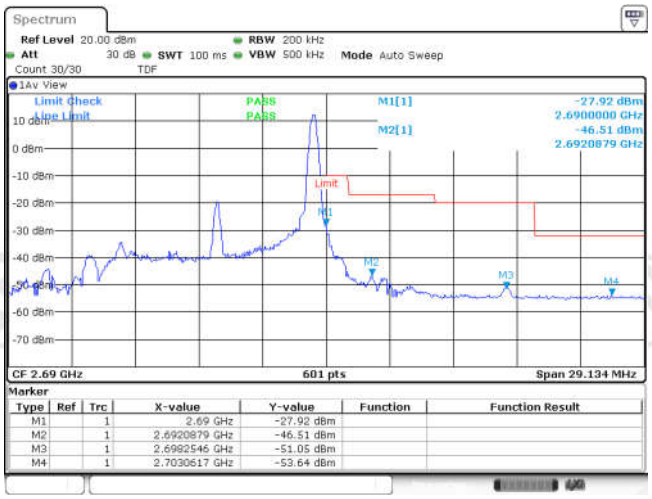

Band41-10MHz-QPSK-39700-50RB#0



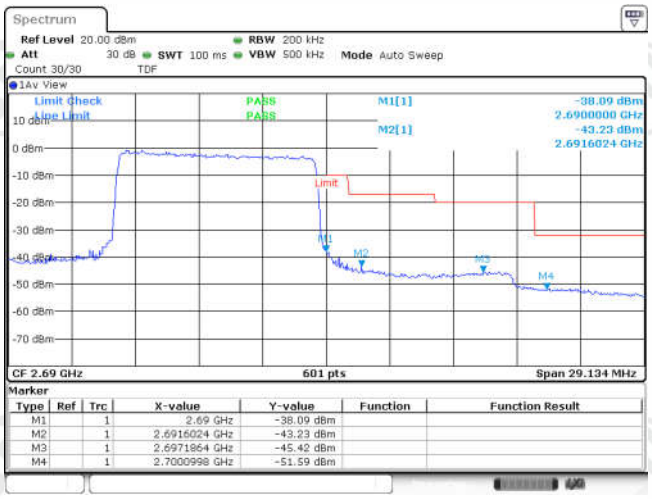

Band41-10MHz-QPSK-41540-1RB#0



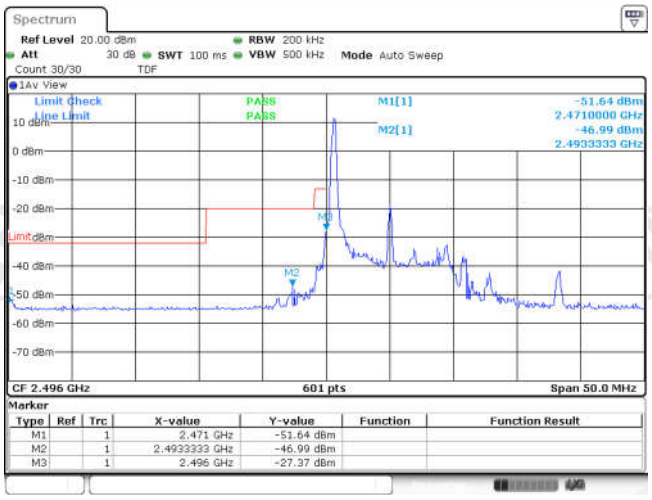

Band41-10MHz-QPSK-41540-1RB#49



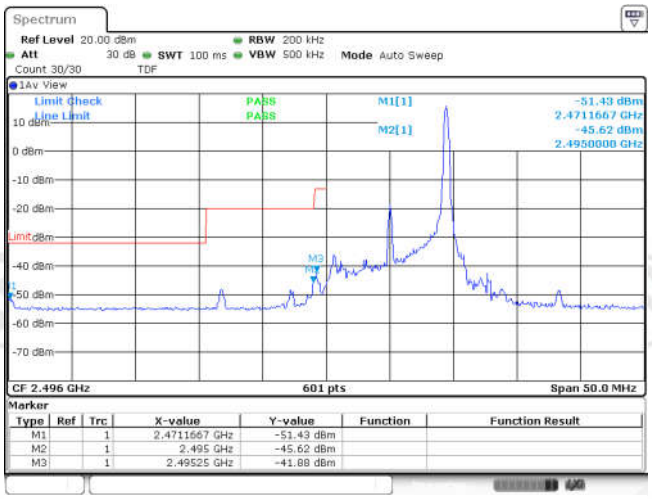

Band41-10MHz-QPSK-41540-50RB#0



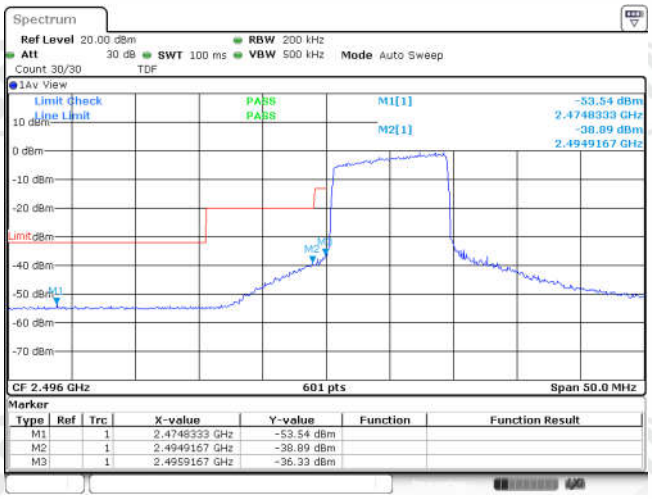

Band41-10MHz-16QAM-39700-1RB#0



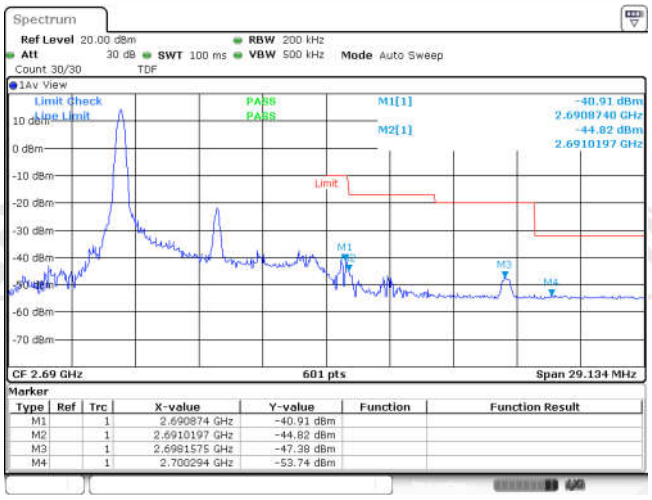

Band41-10MHz-16QAM-39700-1RB#49



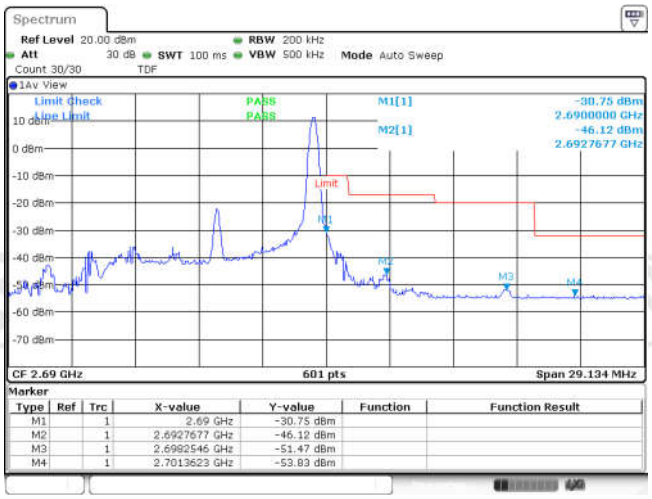

Band41-10MHz-16QAM-39700-50RB#0



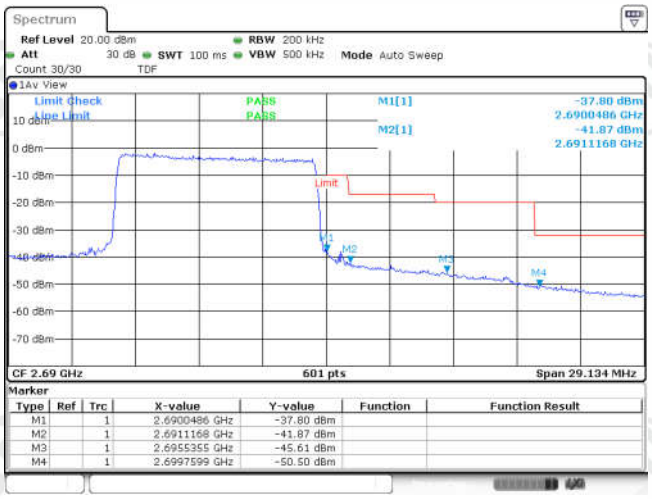

Band41-10MHz-16QAM-41540-1RB#0



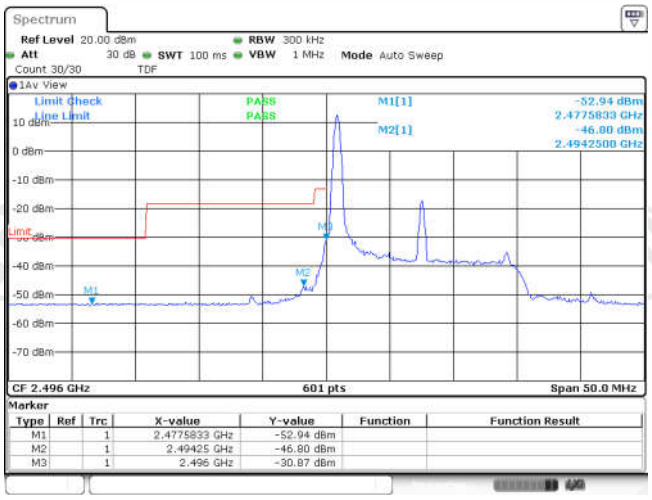

Band41-10MHz-16QAM-41540-1RB#49



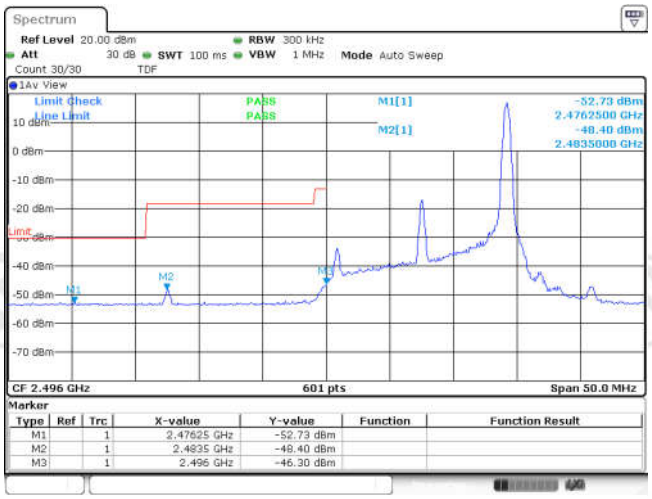

Band41-10MHz-16QAM-41540-50RB#0



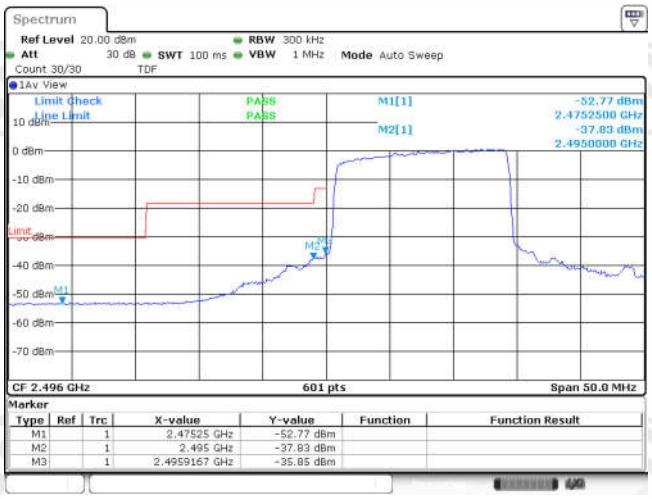

Band41-15MHz-QPSK-39725-1RB#0



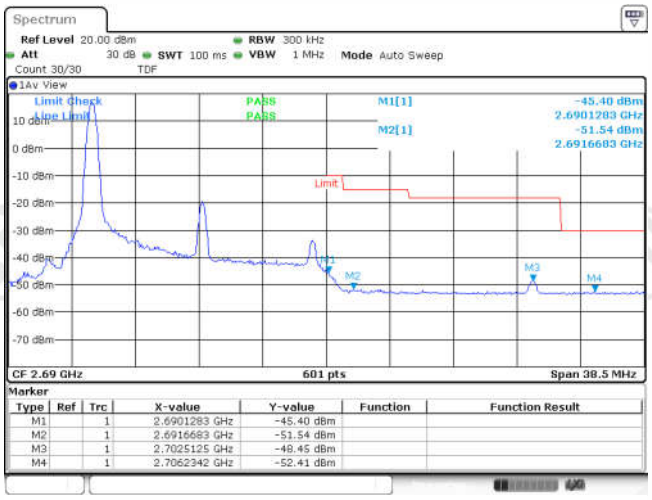

Band41-15MHz-QPSK-39725-1RB#74



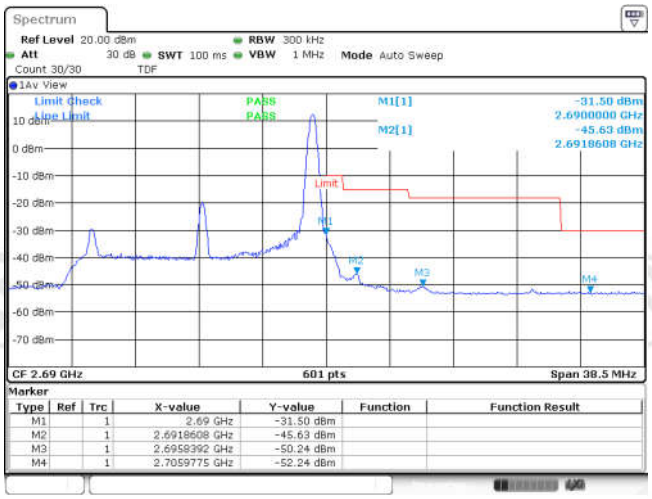

Band41-15MHz-QPSK-39725-75RB#0



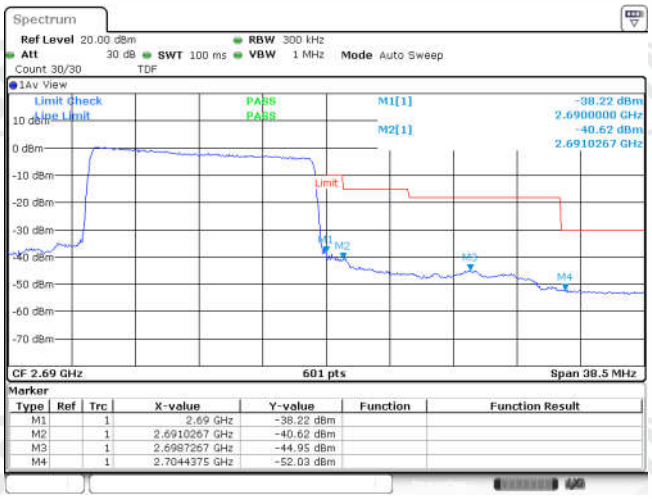

Band41-15MHz-QPSK-41515-1RB#0



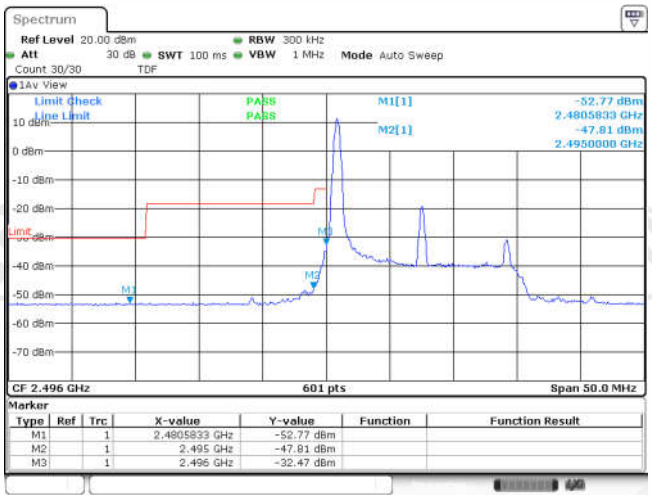

Band41-15MHz-QPSK-41515-1RB#74



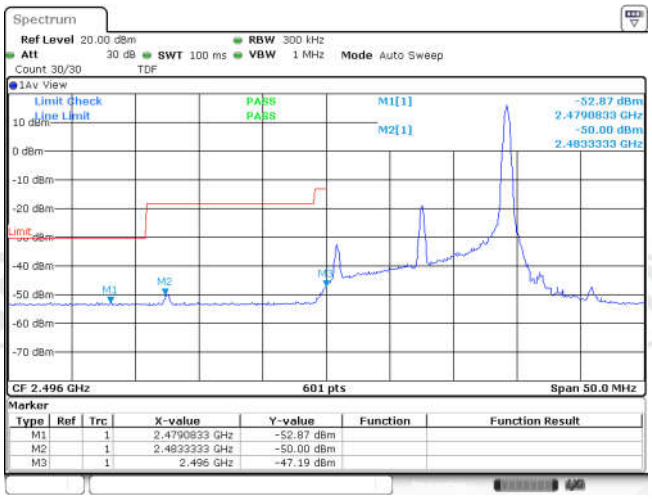

Band41-15MHz-QPSK-41515-75RB#0



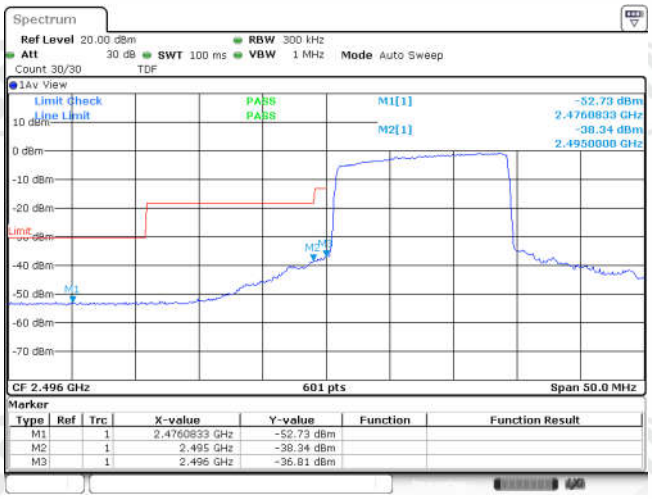

Band41-15MHz-16QAM-39725-1RB#0



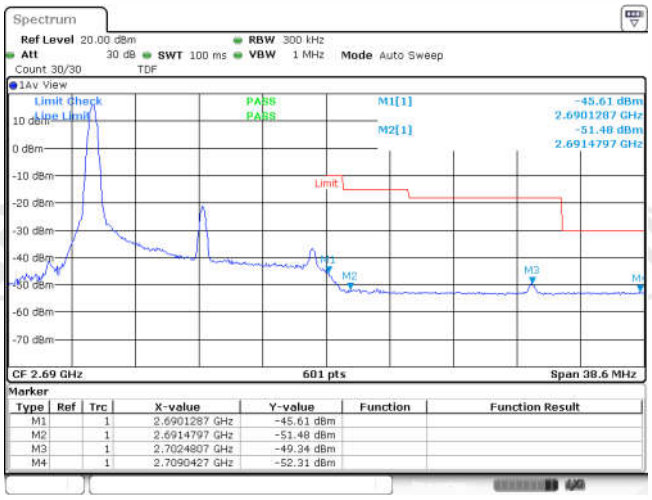

Band41-15MHz-16QAM-39725-1RB#74



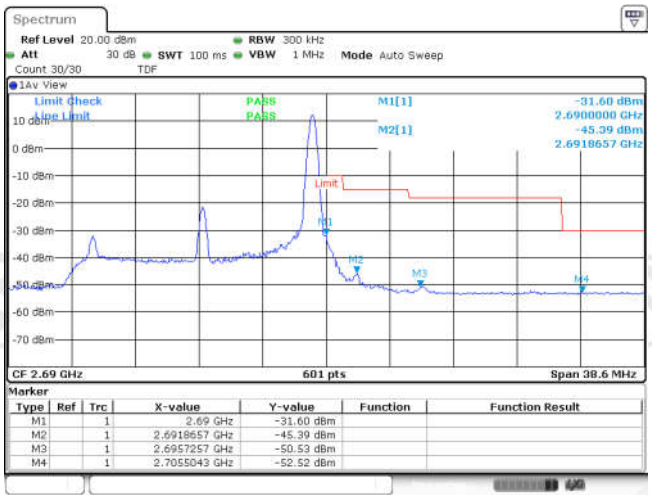

Band41-15MHz-16QAM-39725-75RB#0



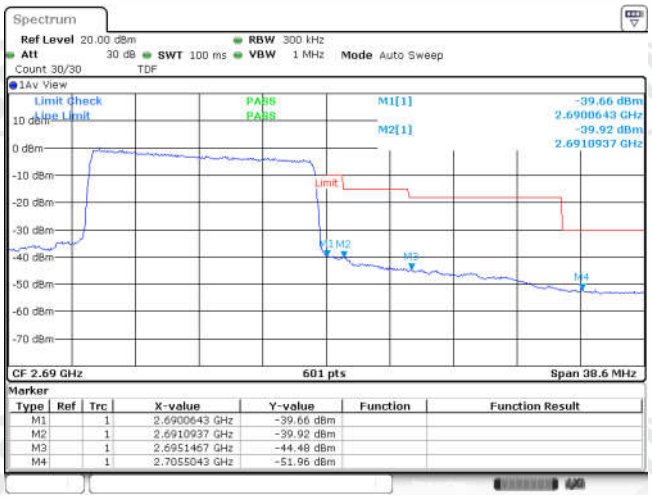

Band41-15MHz-16QAM-41515-1RB#0



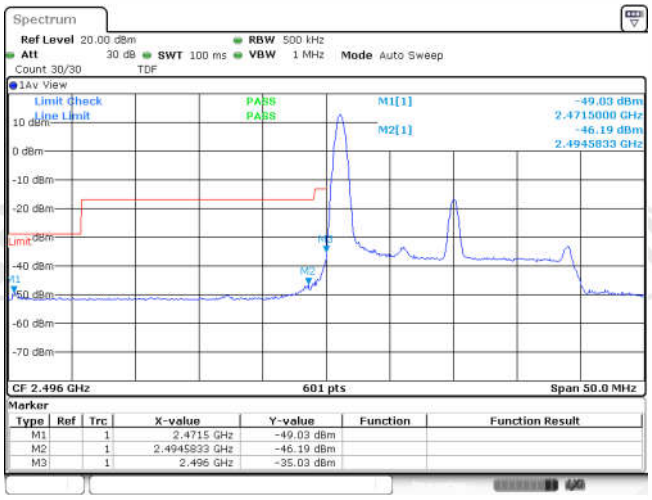

Band41-15MHz-16QAM-41515-1RB#74



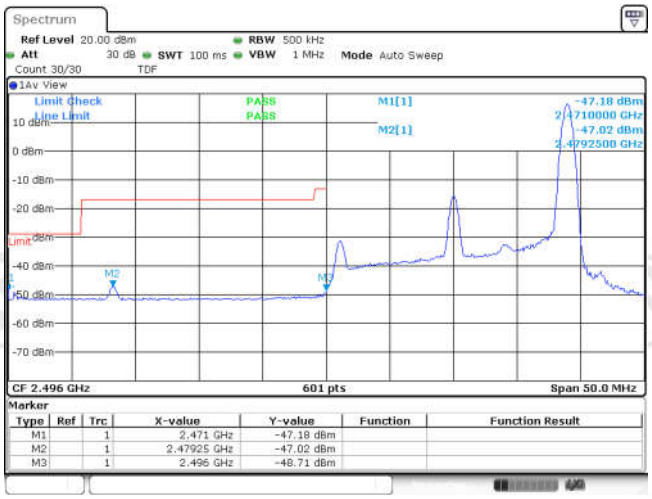

Band41-15MHz-16QAM-41515-75RB#0



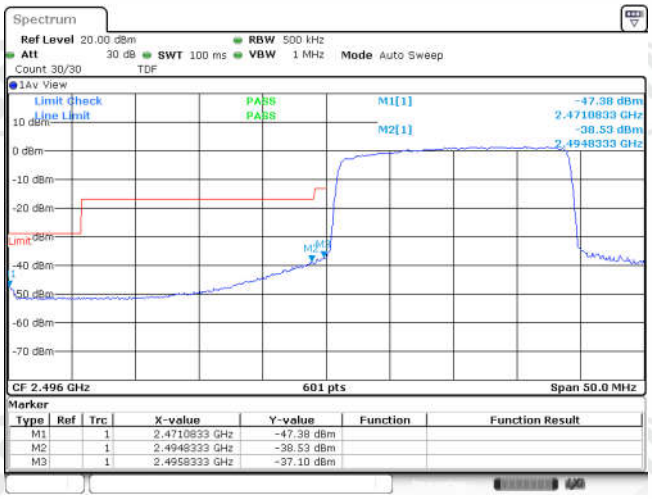

Band41-20MHz-QPSK-39750-1RB#0



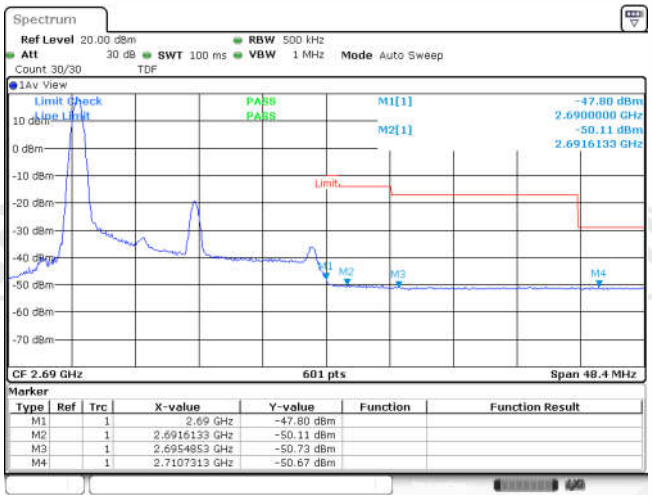

Band41-20MHz-QPSK-39750-1RB#99



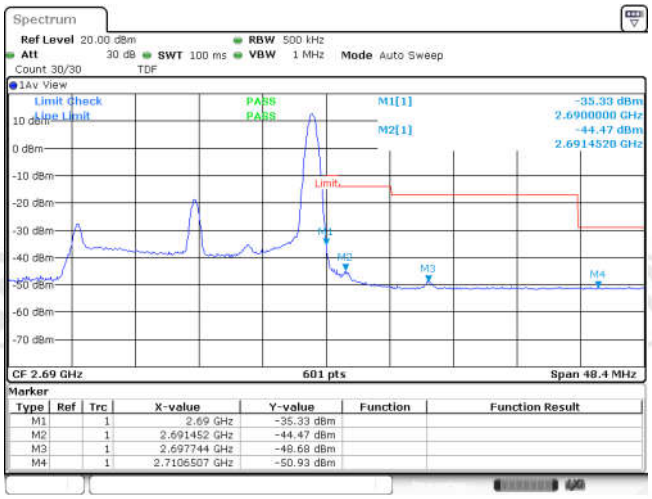

Band41-20MHz-QPSK-39750-100RB#0



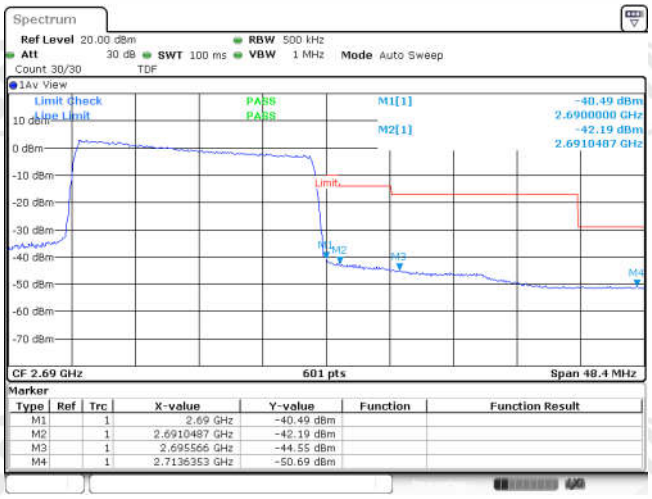

Band41-20MHz-QPSK-41490-1RB#0



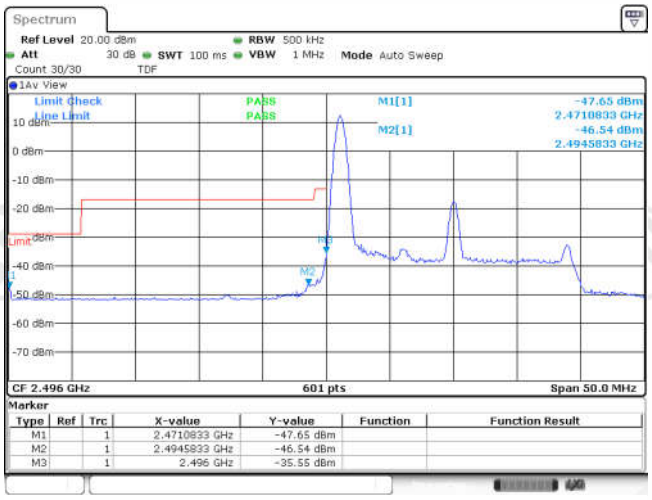

Band41-20MHz-QPSK-41490-1RB#99



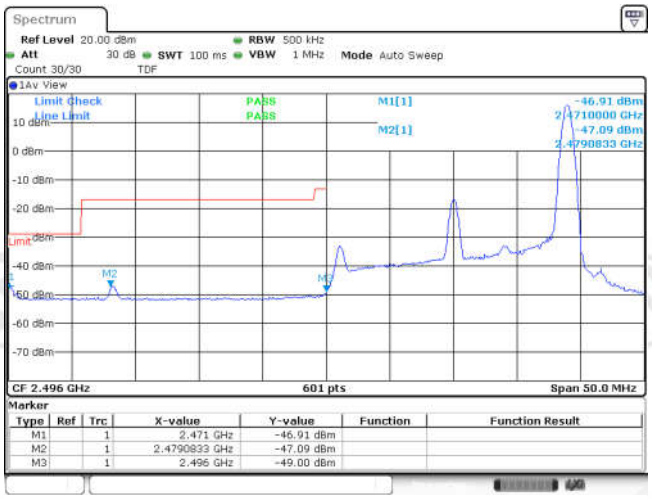

Band41-20MHz-QPSK-41490-100RB#0



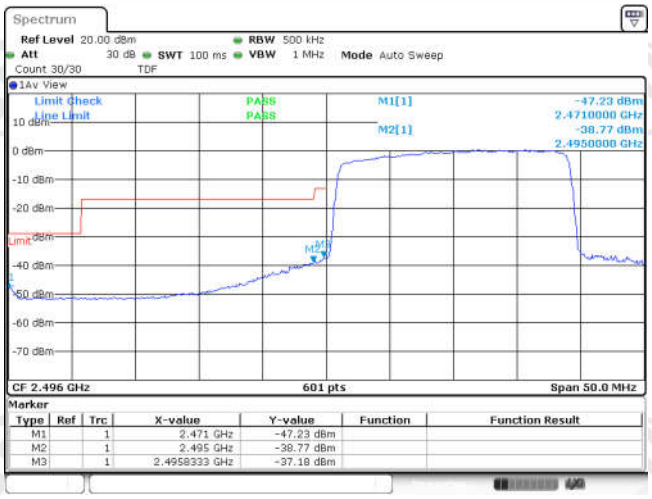

Band41-20MHz-16QAM-39750-1RB#0



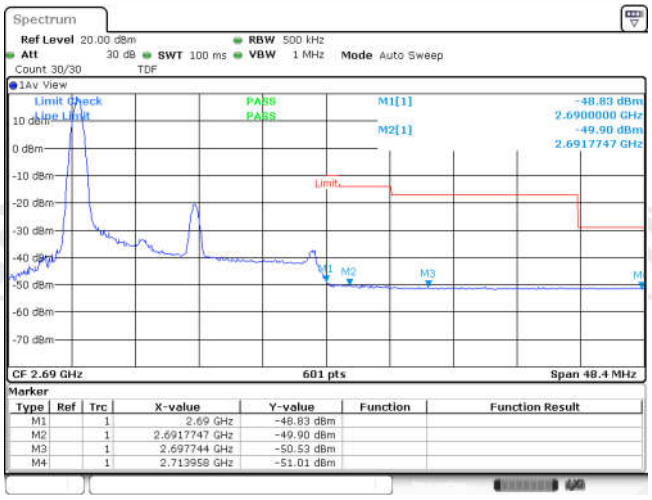

Band41-20MHz-16QAM-39750-1RB#99



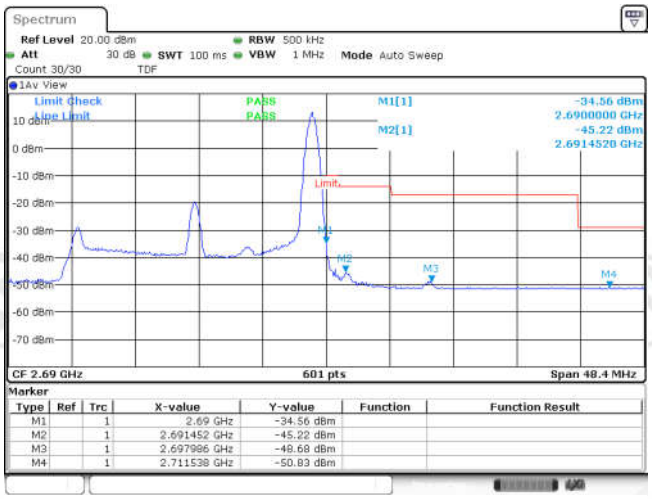

Band41-20MHz-16QAM-39750-100RB#0



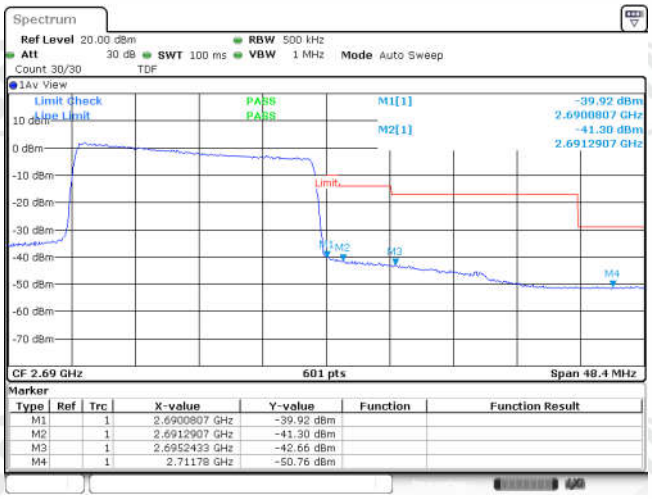

Band41-20MHz-16QAM-41490-1RB#0




Band41-20MHz-16QAM-41490-1RB#99




Band41-20MHz-16QAM-41490-100RB#0



# Appendix E: Conducted Spurious Emission

## Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range | Result (dBm) | Verdict |
|---|---|---|---|---|---|---|---|
| Band41 | 5MHz | QPSK | 39675 | 1RB#0 | Range1:30~1000MHz | -48.8 | PASS |
| Band41 | 5MHz | QPSK | 39675 | 1RB#0 | Range2:1000~3000MHz | -46.06 | PASS |
| Band41 | 5MHz | QPSK | 39675 | 1RB#0 | Range3:3000~26500MHz | -41.97 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 1RB#0 | Range1:30~1000MHz | -48.54 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 1RB#0 | Range2:1000~3000MHz | -47.45 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 1RB#0 | Range3:3000~26500MHz | -35.83 | PASS |
| Band41 | 5MHz | QPSK | 4062041565 | 1RB#0 | Range1:30~1000MHz | -59.11 | PASS |
| Band41 | 5MHz | QPSK | 4062041565 | 1RB#0 | Range2:1000~3000MHz | 8.63 | FAIL |
| Band41 | 5MHz | QPSK | 4062041565 | 1RB#0 | Range3:3000~26500MHz | -41.98 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 1RB#0 | Range1:30~1000MHz | -50 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 1RB#0 | Range2:1000~3000MHz | -47.46 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 1RB#0 | Range3:3000~26500MHz | -32.25 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 1RB#0 | Range1:30~1000MHz | -49.57 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 1RB#0 | Range2:1000~3000MHz | -46.78 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 1RB#0 | Range3:3000~26500MHz | -42.33 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 1RB#0 | Range1:30~1000MHz | -48.91 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 1RB#0 | Range2:1000~3000MHz | -46.28 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 1RB#0 | Range3:3000~ | -30.7 | PASS |

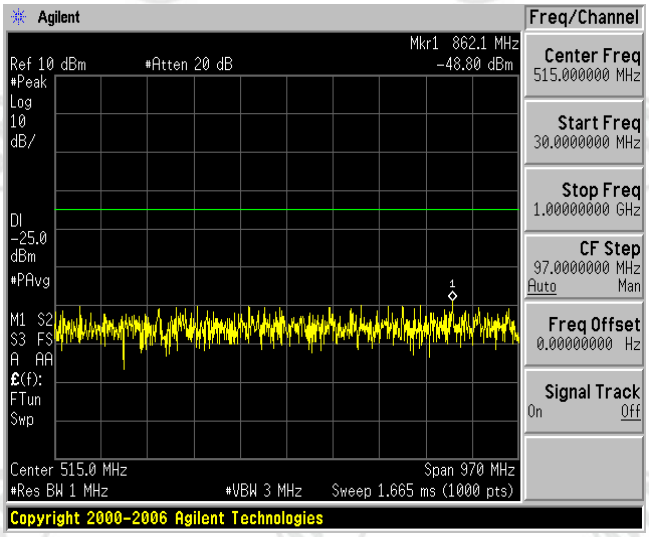
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | 26500MHz | 2 | |
| Band41 | 5MHz | 16QAM | 406204 1565 | 1RB#0 | Range1:30~10 00MHz | -58.6 2 | PASS |
| Band41 | 5MHz | 16QAM | 406204 1565 | 1RB#0 | Range2:1000~ 3000MHz | 14.52 | FAIL |
| Band41 | 5MHz | 16QAM | 406204 1565 | 1RB#0 | Range3:3000~ 26500MHz | -42.1 1 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 1RB#0 | Range1:30~10 00MHz | -49.0 3 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 1RB#0 | Range2:1000~ 3000MHz | -46.5 5 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 1RB#0 | Range3:3000~ 26500MHz | -42.0 5 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 1RB#0 | Range1:30~10 00MHz | -48.0 2 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 1RB#0 | Range2:1000~ 3000MHz | -46.6 2 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 1RB#0 | Range3:3000~ 26500MHz | -42 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 1RB#0 | Range1:30~10 00MHz | -48.6 9 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 1RB#0 | Range2:1000~ 3000MHz | -48.1 9 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 1RB#0 | Range3:3000~ 26500MHz | -38.8 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 1RB#0 | Range1:30~10 00MHz | -48.0 9 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 1RB#0 | Range2:1000~ 3000MHz | -46.0 2 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 1RB#0 | Range3:3000~ 26500MHz | -100 0 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#0 | Range1:30~10 00MHz | -48.8 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#0 | Range2:1000~ 3000MHz | -47.2 3 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#0 | Range3:3000~ 26500MHz | -42.1 8 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#0 | Range1:30~10 00MHz | -48.5 5 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#0 | Range2:1000~ 3000MHz | -45.8 6 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#0 | Range3:3000~ | -43.1 | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | 26500MHz | | |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#0 | Range1:30~1000MHz | -49.56 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#0 | Range2:1000~3000MHz | -47.02 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#0 | Range3:3000~26500MHz | -41.65 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 1RB#0 | Range1:30~1000MHz | -48.49 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 1RB#0 | Range2:1000~3000MHz | -47.27 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 1RB#0 | Range3:3000~26500MHz | -41.76 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 1RB#0 | Range1:30~1000MHz | -49.26 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 1RB#0 | Range2:1000~3000MHz | -46.62 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 1RB#0 | Range3:3000~26500MHz | -41.36 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 1RB#0 | Range1:30~1000MHz | -48.31 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 1RB#0 | Range2:1000~3000MHz | -46.65 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 1RB#0 | Range3:3000~26500MHz | -42.64 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#0 | Range1:30~1000MHz | -48.25 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#0 | Range2:1000~3000MHz | -47.25 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#0 | Range3:3000~26500MHz | -41.72 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#0 | Range1:30~1000MHz | -48.49 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#0 | Range2:1000~3000MHz | -46.26 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#0 | Range3:3000~26500MHz | -42.26 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#0 | Range1:30~1000MHz | -47.89 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#0 | Range2:1000~3000MHz | -47.69 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#0 | Range3:3000~ | -43.2 | PASS |

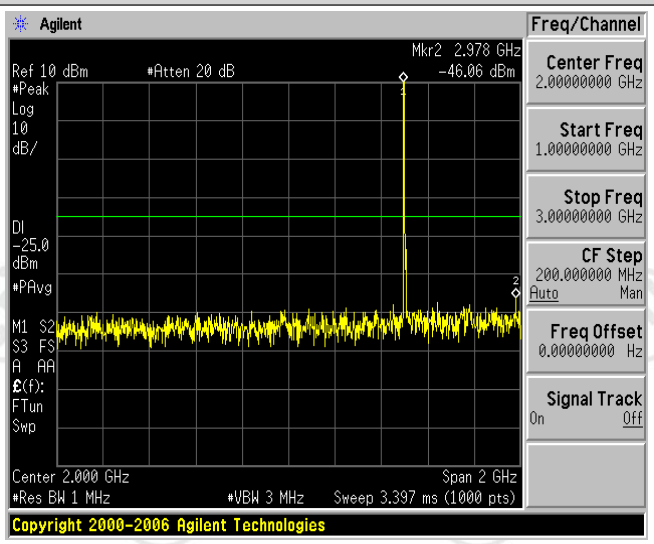
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | 26500MHz | | |
| Band41 | 20MHz | QPSK | 39750 | 1RB#0 | Range1:30~1000MHz | -49.87 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 1RB#0 | Range2:1000~3000MHz | -46.14 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 1RB#0 | Range3:3000~26500MHz | -42.05 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 1RB#0 | Range1:30~1000MHz | -49.67 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 1RB#0 | Range2:1000~3000MHz | -47.23 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 1RB#0 | Range3:3000~26500MHz | -31.45 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 1RB#0 | Range1:30~1000MHz | -49.53 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 1RB#0 | Range2:1000~3000MHz | -46.01 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 1RB#0 | Range3:3000~26500MHz | -30.52 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#0 | Range1:30~1000MHz | -49.5 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#0 | Range2:1000~3000MHz | -46.77 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#0 | Range3:3000~26500MHz | -42.78 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#0 | Range1:30~1000MHz | -48.95 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#0 | Range2:1000~3000MHz | -46.7 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#0 | Range3:3000~26500MHz | -32.23 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#0 | Range1:30~1000MHz | -49.36 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#0 | Range2:1000~3000MHz | -47.8 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#0 | Range3:3000~26500MHz | -42.69 | PASS |

**Test Graphs**

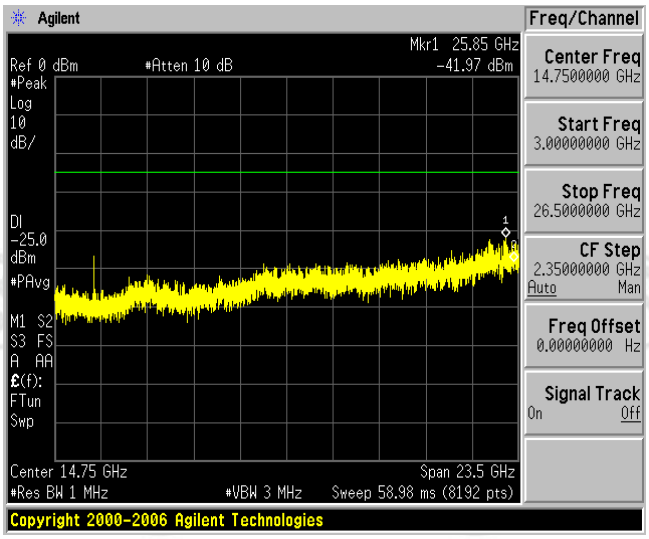
Band41-5MHz-QPSK-39675-1RB#0-Range1:30~1000MHz



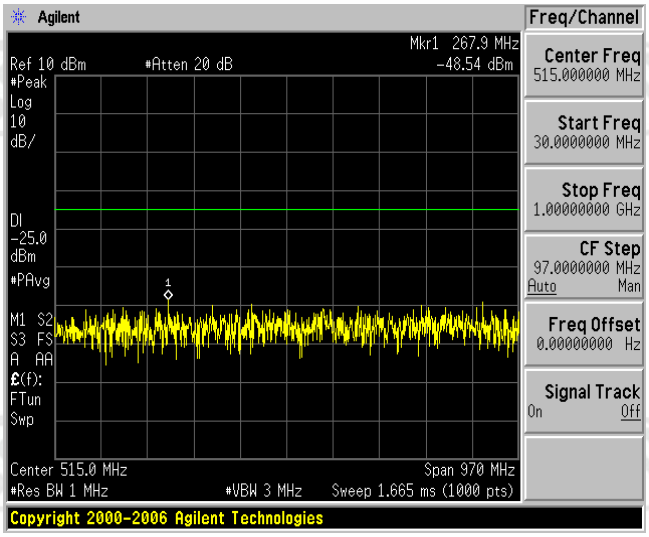

Band41-5MHz-QPSK-39675-1RB#0-Range2:1000~3000MHz



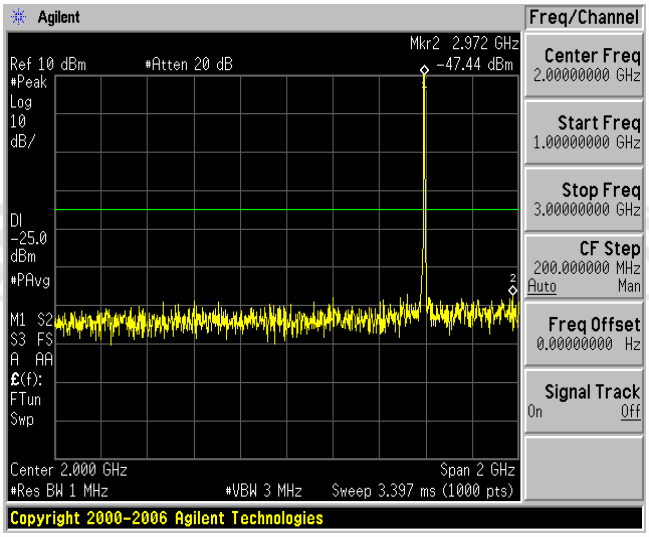

Band41-5MHz-QPSK-39675-1RB#0-Range3:3000~26500MHz



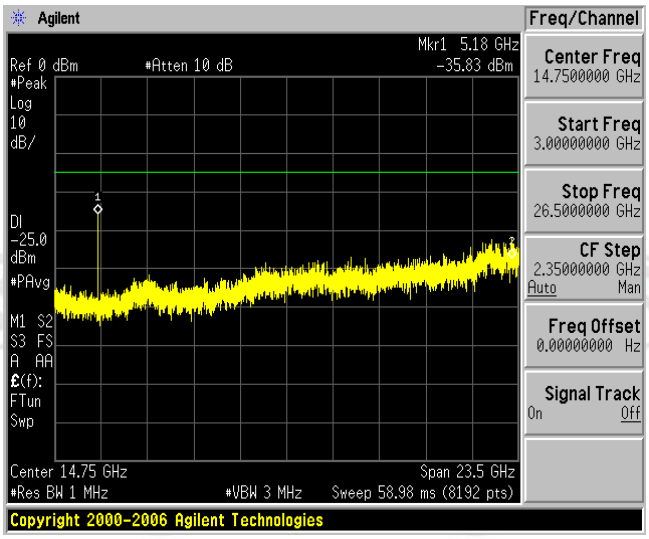

Band41-5MHz-QPSK-40620-1RB#0-Range1:30~1000MHz



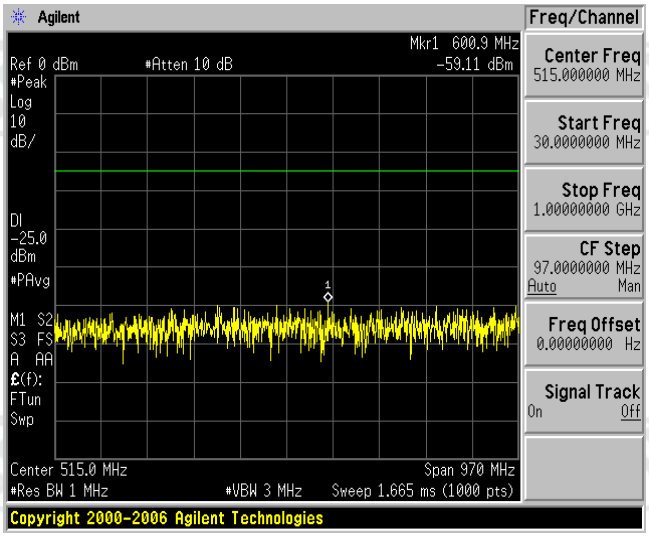

Band41-5MHz-QPSK-40620-1RB#0-Range2:1000~3000MHz



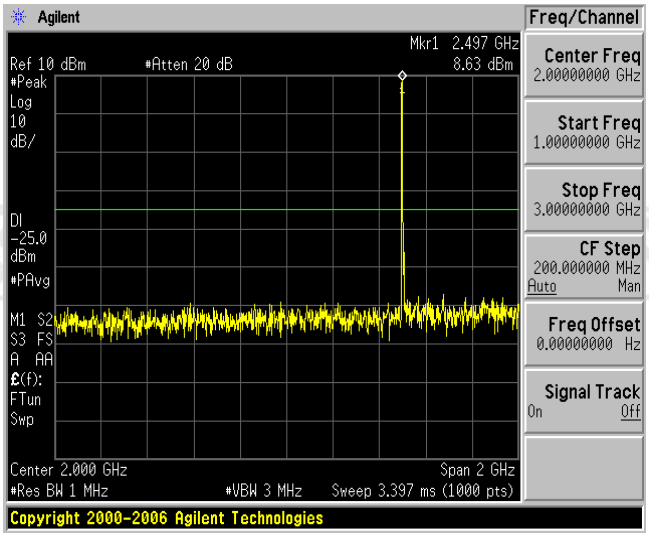

Band41-5MHz-QPSK-40620-1RB#0-Range3:3000~26500MHz



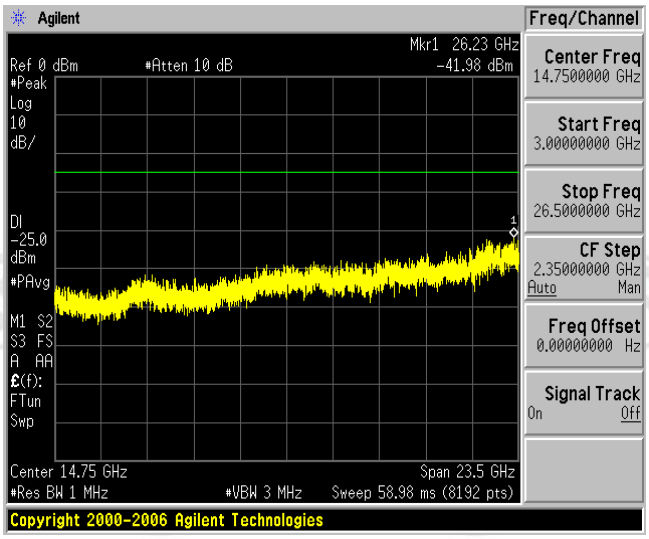

Band41-5MHz-QPSK-4062041565-1RB#0-Range1:30~1000MHz



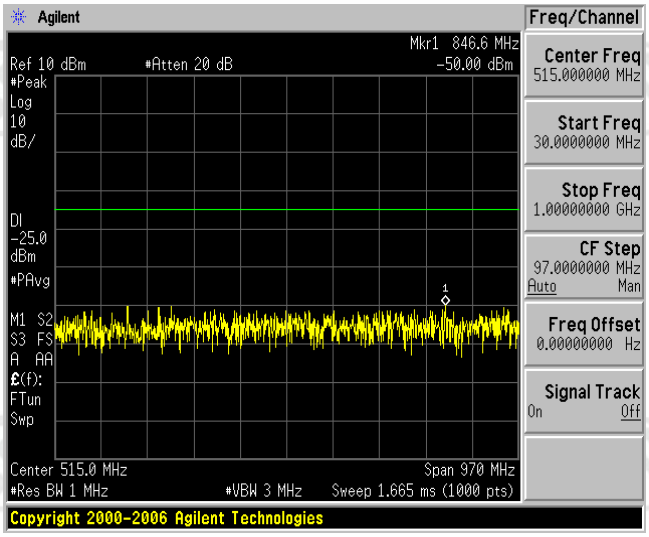

Band41-5MHz-QPSK-4062041565-1RB#0-Range2:1000~3000MHz



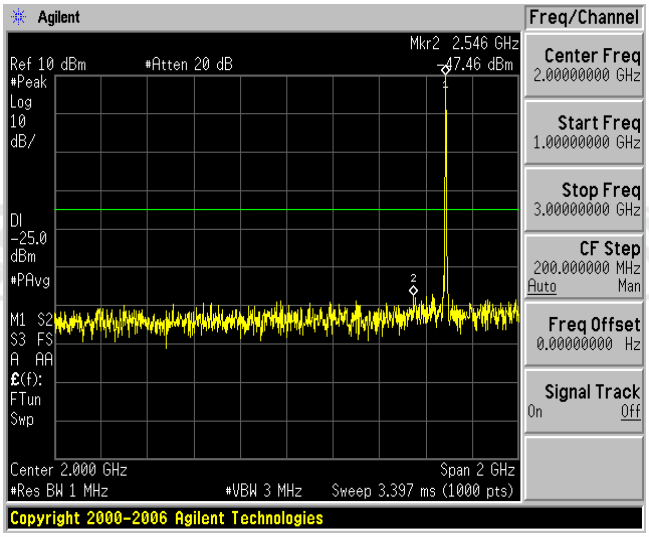

Band41-5MHz-QPSK-4062041565-1RB#0-Range3:3000~26500MHz



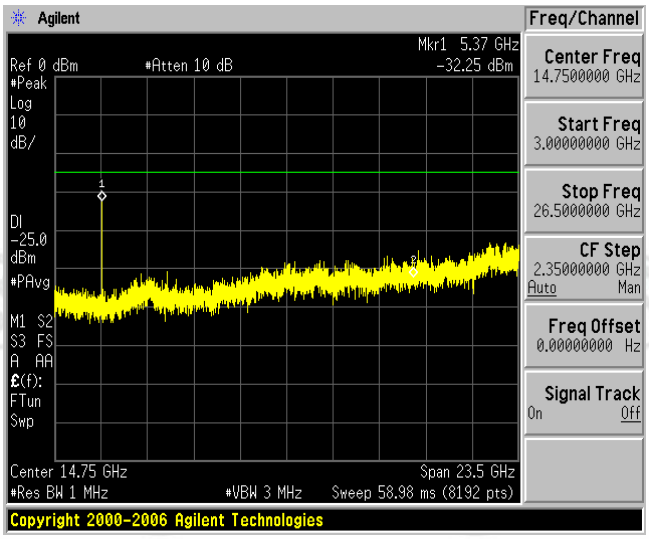

Band41-5MHz-QPSK-41565-1RB#0-Range1:30~1000MHz



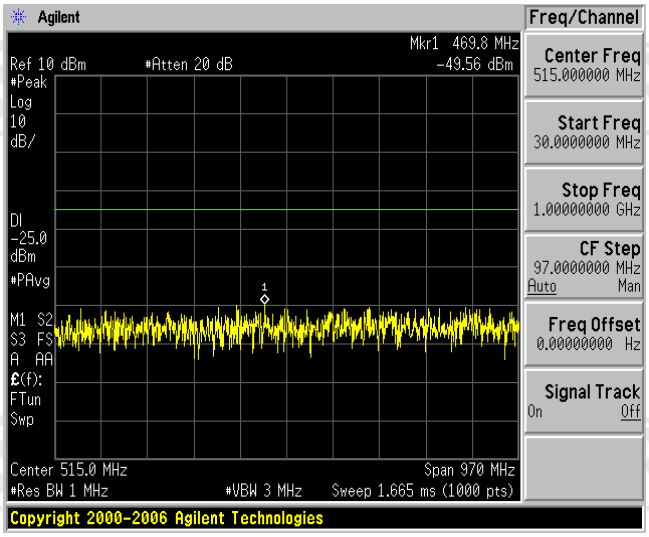

Band41-5MHz-QPSK-41565-1RB#0-Range2:1000~3000MHz



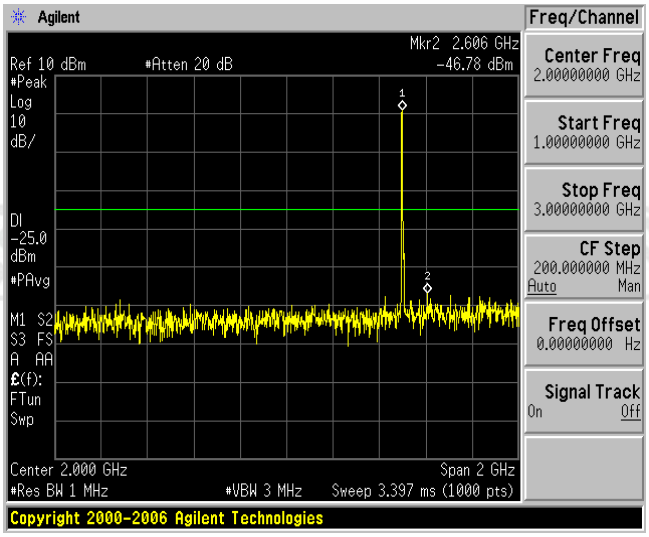

Band41-5MHz-QPSK-41565-1RB#0-Range3:3000~26500MHz



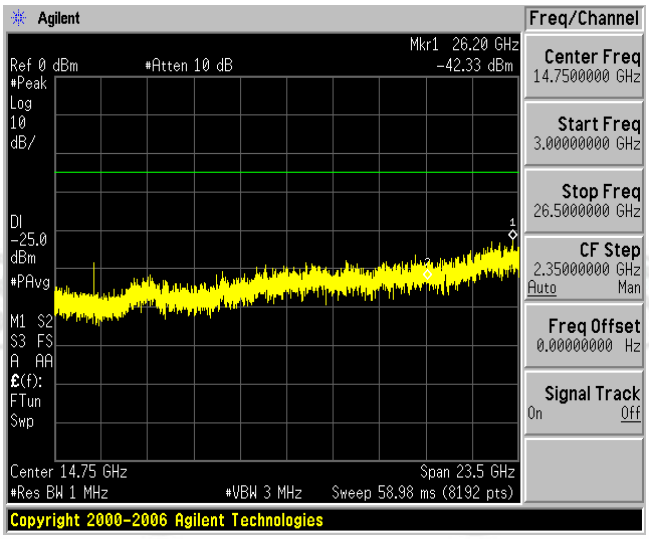

Band41-5MHz-16QAM-39675-1RB#0-Range1:30~1000MHz



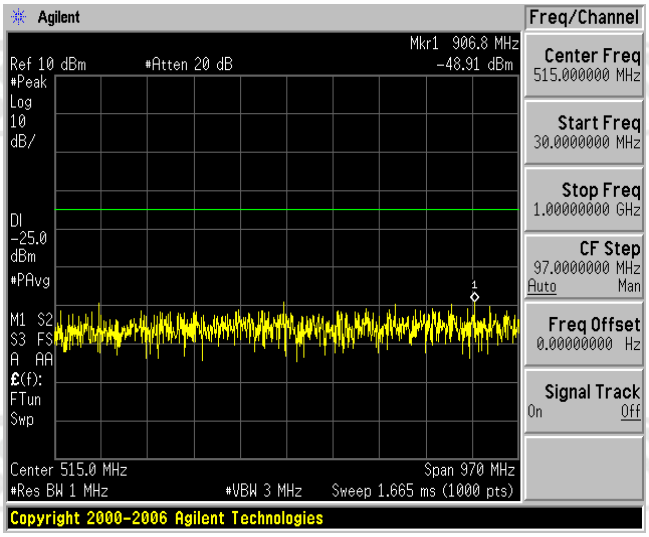

Band41-5MHz-16QAM-39675-1RB#0-Range2:1000~3000MHz



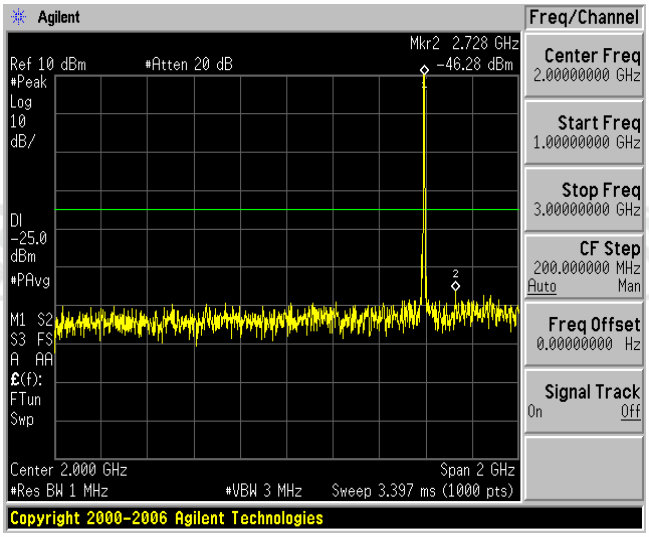

Band41-5MHz-16QAM-39675-1RB#0-Range3:3000~26500MHz



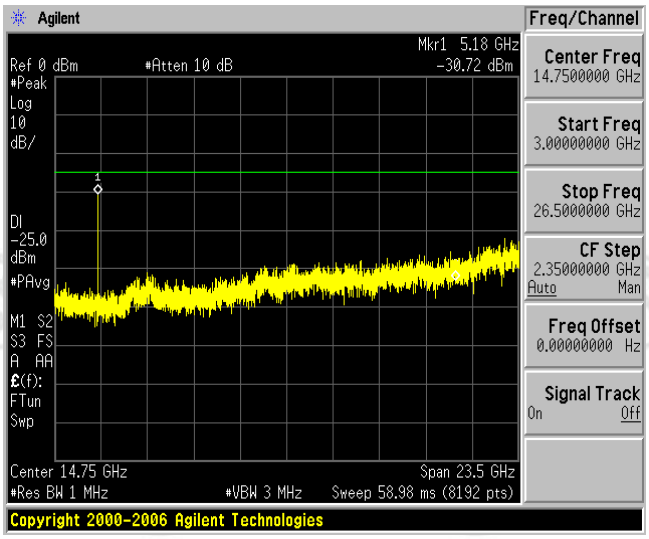

Band41-5MHz-16QAM-40620-1RB#0-Range1:30~1000MHz



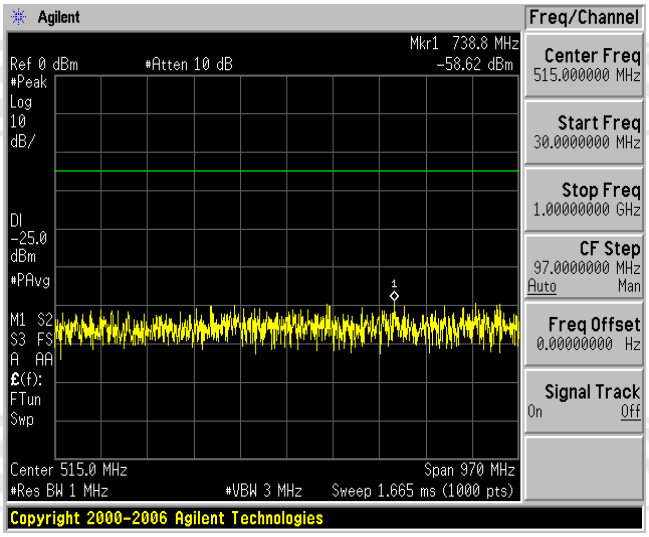

Band41-5MHz-16QAM-40620-1RB#0-Range2:1000~3000MHz



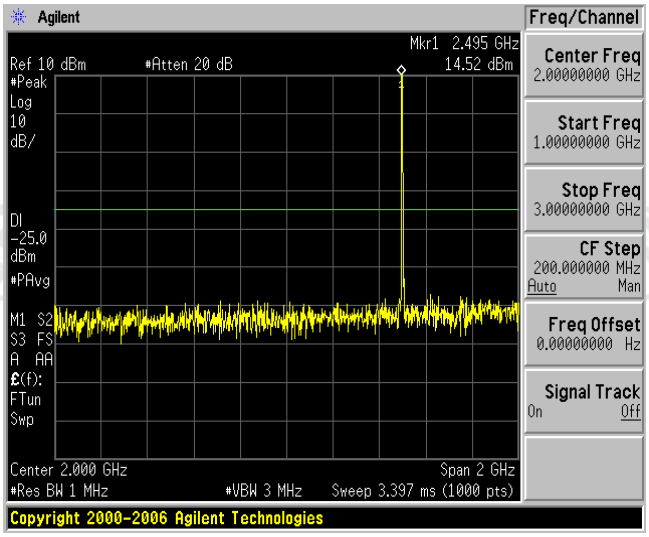

Band41-5MHz-16QAM-40620-1RB#0-Range3:3000~26500MHz



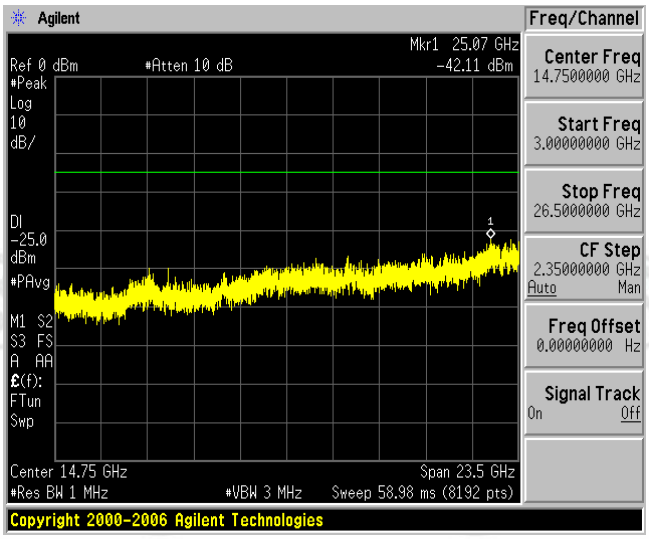

Band41-5MHz-16QAM-4062041565-1RB#0-Range1:30~1000MHz



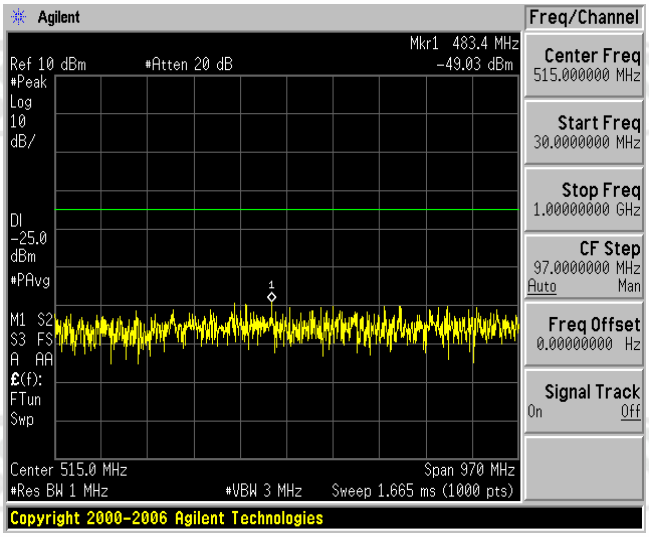

Band41-5MHz-16QAM-4062041565-1RB#0-Range2:1000~3000MHz



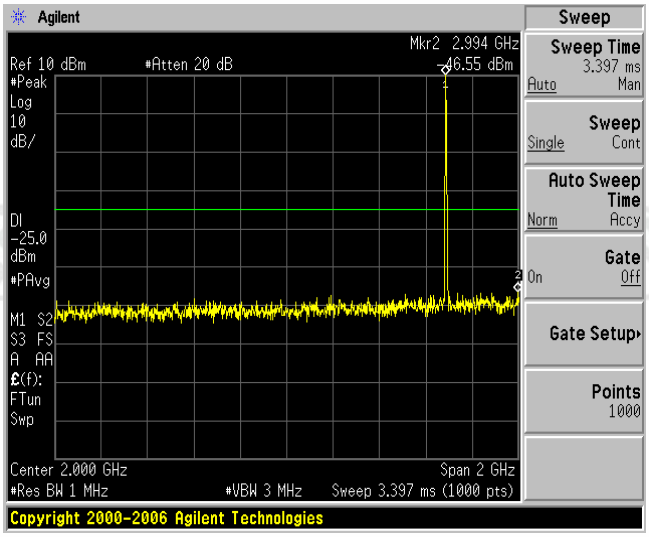

Band41-5MHz-16QAM-4062041565-1RB#0-Range3:3000~26500MHz



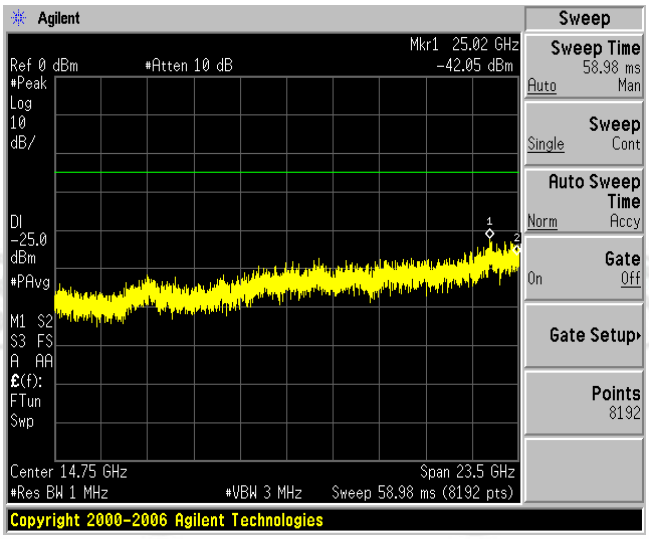

Band41-5MHz-16QAM-41565-1RB#0-Range1:30~1000MHz



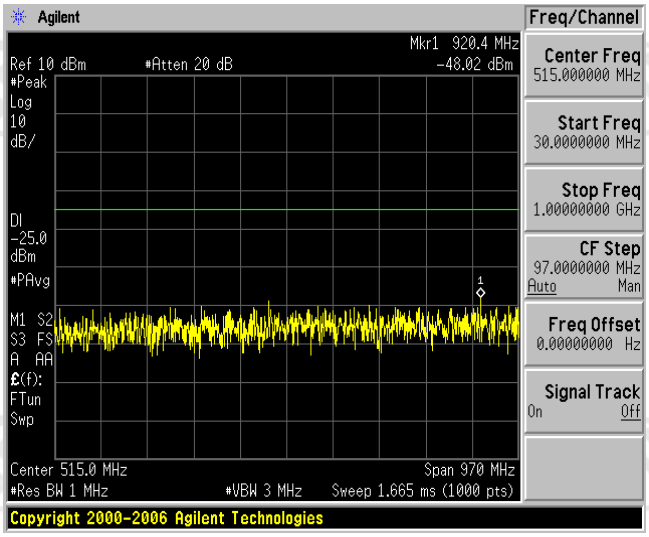

Band41-5MHz-16QAM-41565-1RB#0-Range2:1000~3000MHz



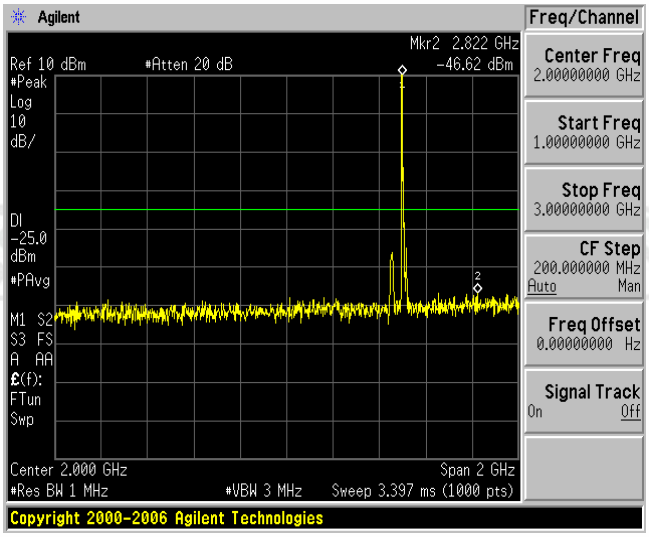

Band41-5MHz-16QAM-41565-1RB#0-Range3:3000~26500MHz



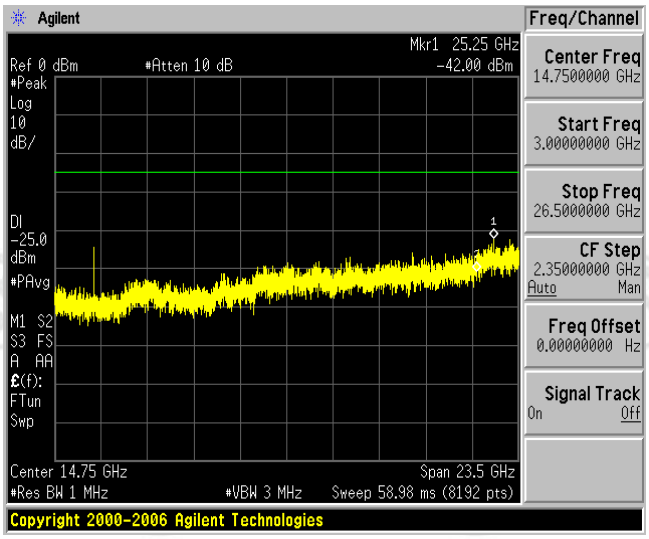

Band41-10MHz-QPSK-39700-1RB#0-Range1:30~1000MHz



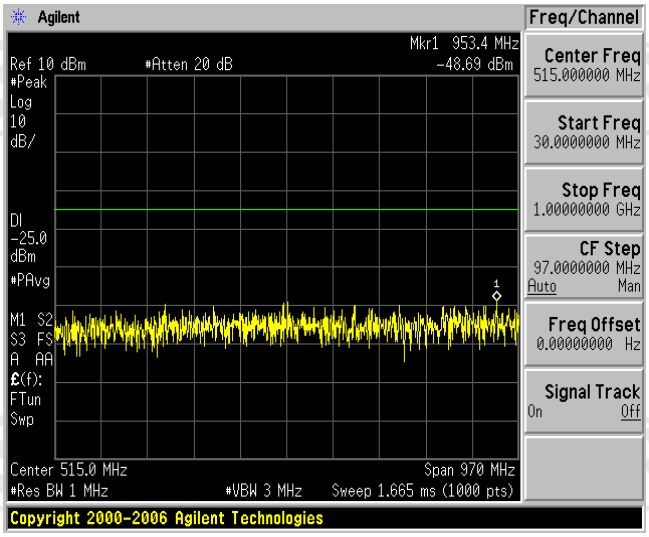

Band41-10MHz-QPSK-39700-1RB#0-Range2:1000~3000MHz



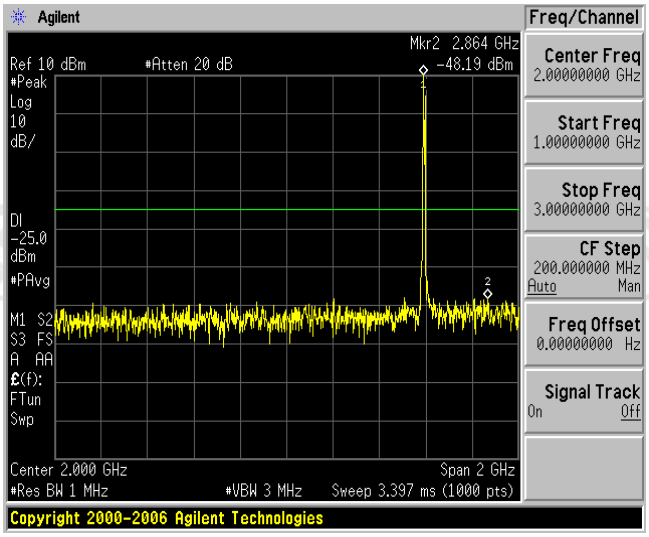

Band41-10MHz-QPSK-39700-1RB#0-Range3:3000~26500MHz



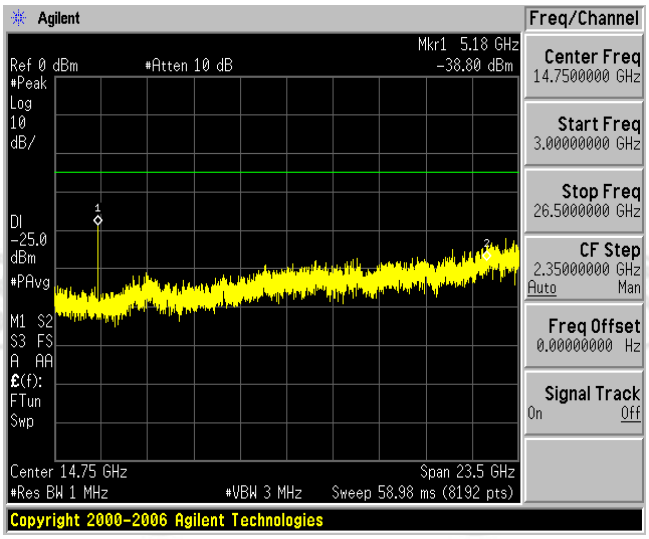

Band41-10MHz-QPSK-40620-1RB#0-Range1:30~1000MHz



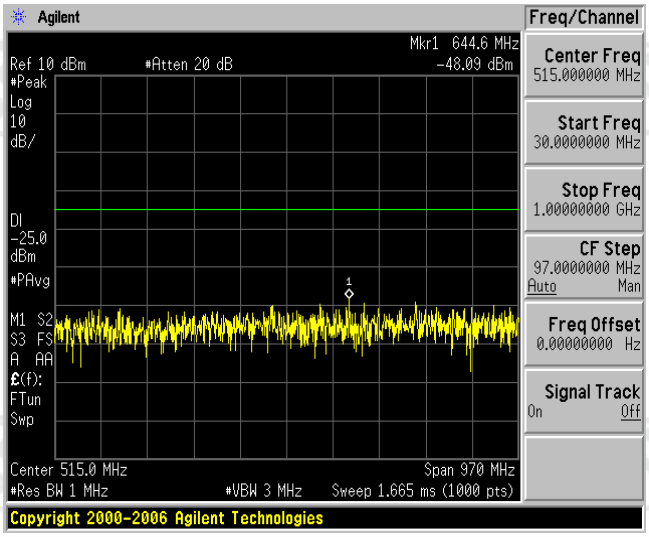

Band41-10MHz-QPSK-40620-1RB#0-Range2:1000~3000MHz



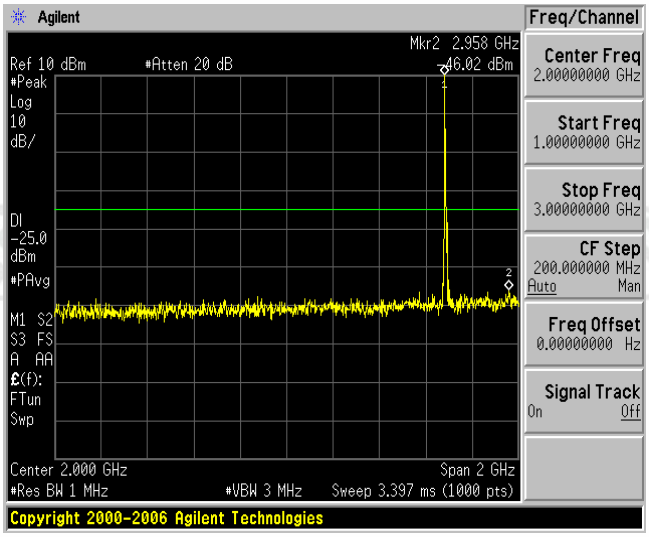

Band41-10MHz-QPSK-40620-1RB#0-Range3:3000~26500MHz



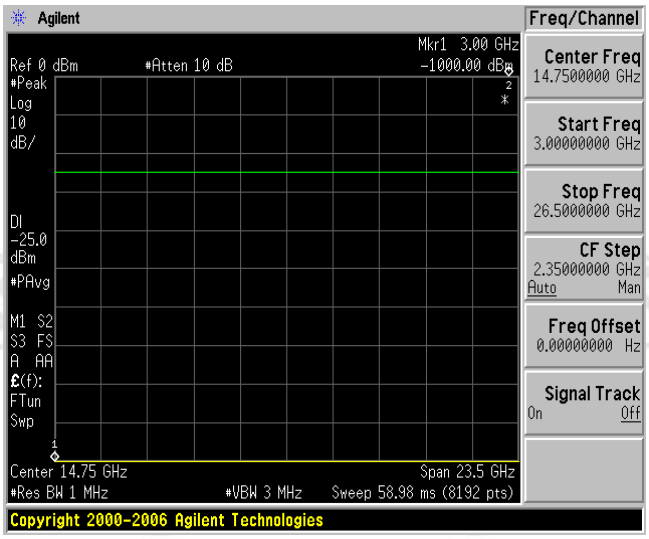

Band41-10MHz-QPSK-41540-1RB#0-Range1:30~1000MHz



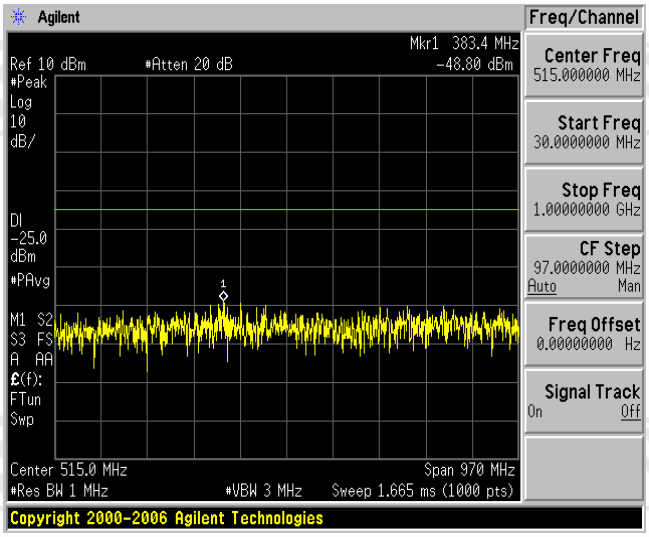

Band41-10MHz-QPSK-41540-1RB#0-Range2:1000~3000MHz



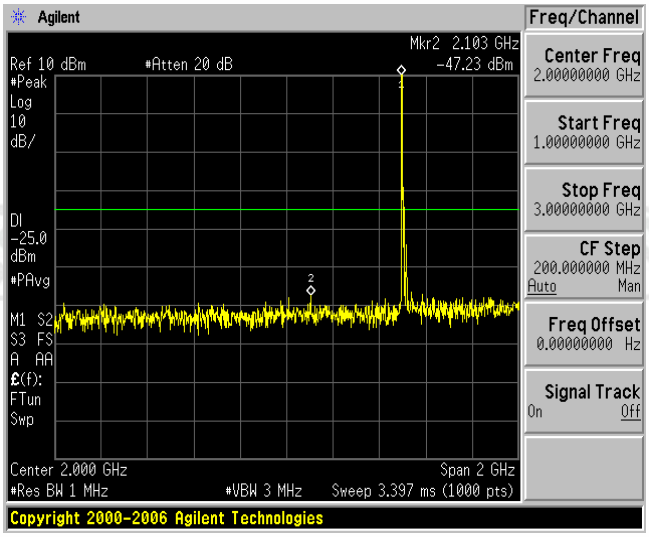

Band41-10MHz-QPSK-41540-1RB#0-Range3:3000~26500MHz



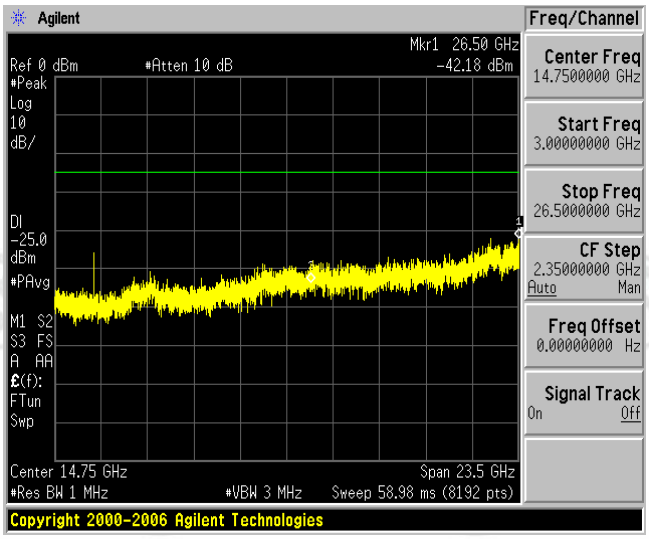

Band41-10MHz-16QAM-39700-1RB#0-Range1:30~1000MHz



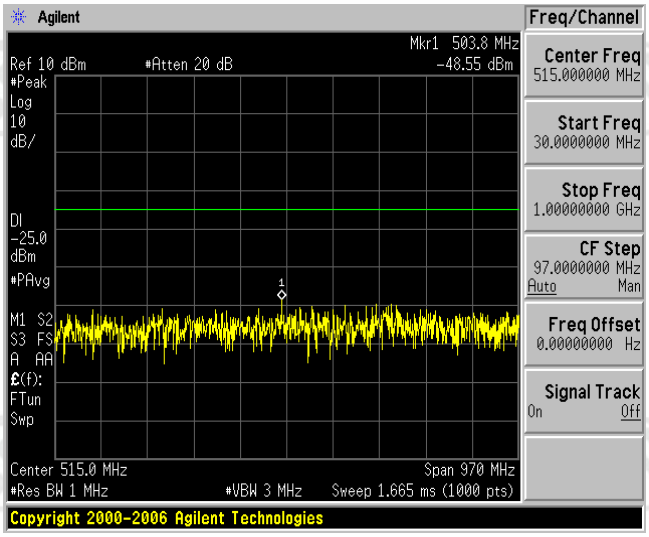

Band41-10MHz-16QAM-39700-1RB#0-Range2:1000~3000MHz



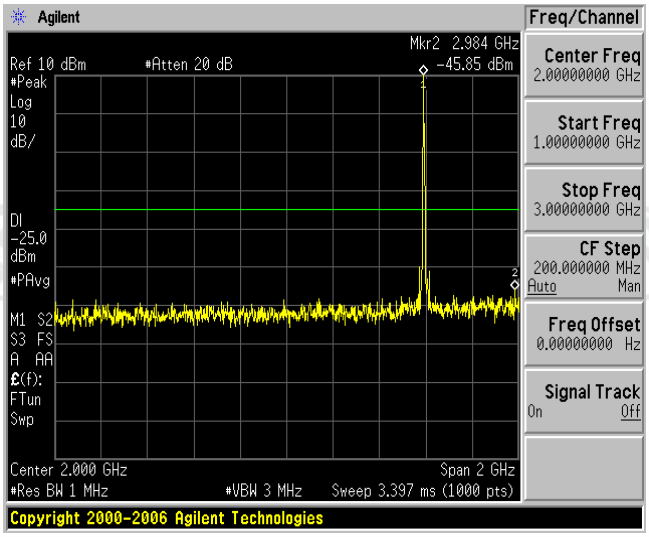

Band41-10MHz-16QAM-39700-1RB#0-Range3:3000~26500MHz



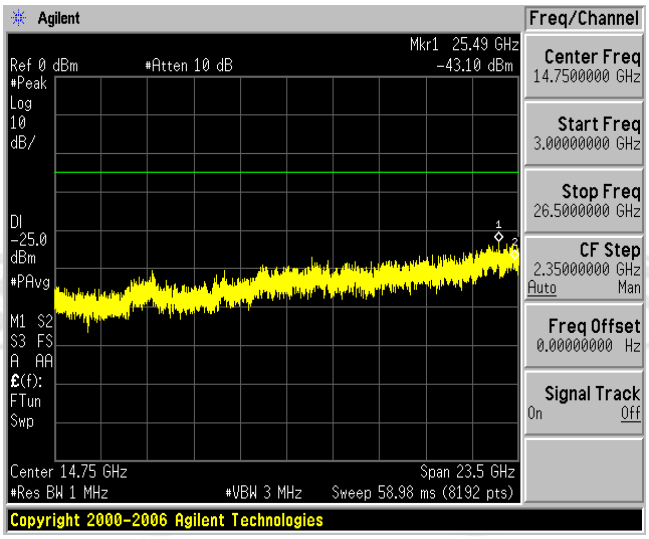

Band41-10MHz-16QAM-40620-1RB#0-Range1:30~1000MHz



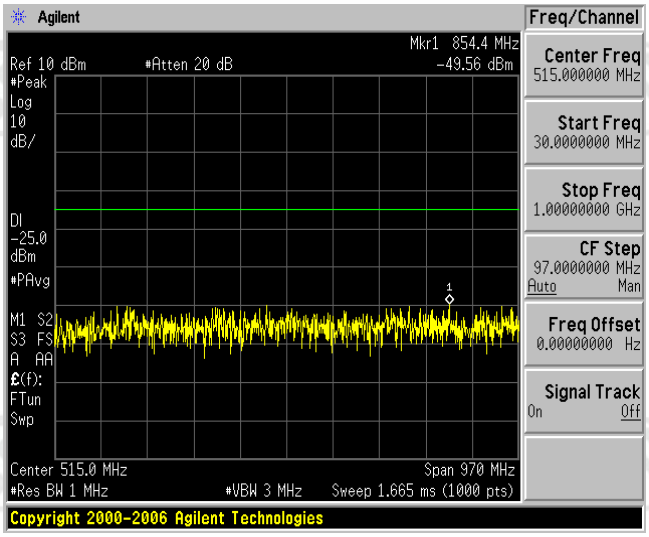

Band41-10MHz-16QAM-40620-1RB#0-Range2:1000~3000MHz



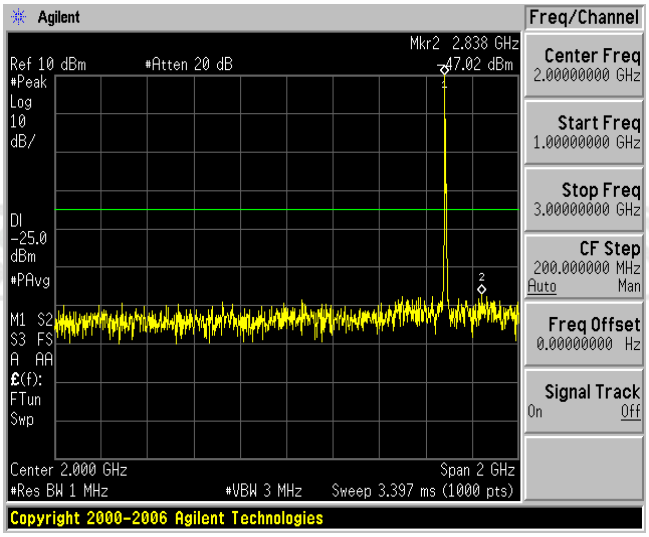

Band41-10MHz-16QAM-40620-1RB#0-Range3:3000~26500MHz



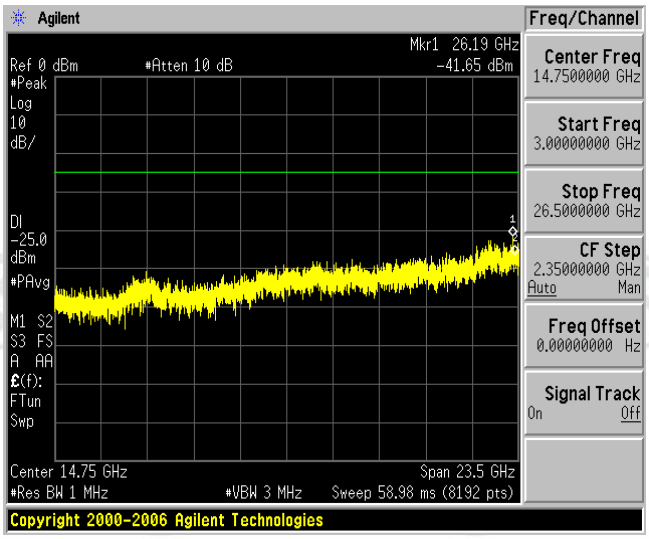

Band41-10MHz-16QAM-41540-1RB#0-Range1:30~1000MHz



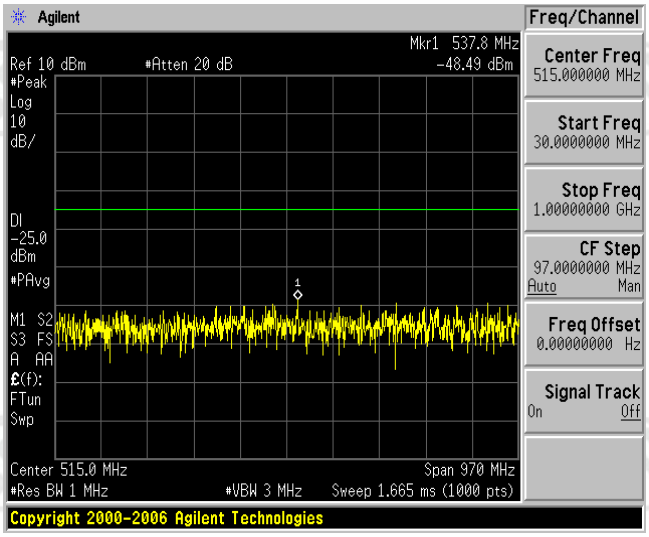

Band41-10MHz-16QAM-41540-1RB#0-Range2:1000~3000MHz



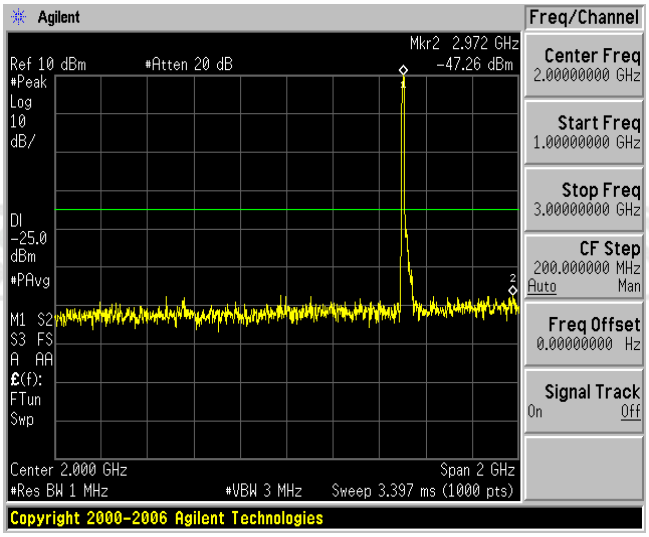

Band41-10MHz-16QAM-41540-1RB#0-Range3:3000~26500MHz



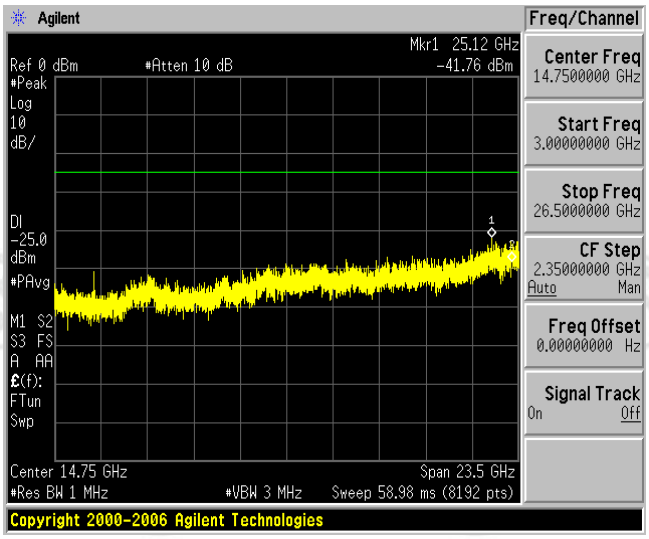

Band41-15MHz-QPSK-39725-1RB#0-Range1:30~1000MHz



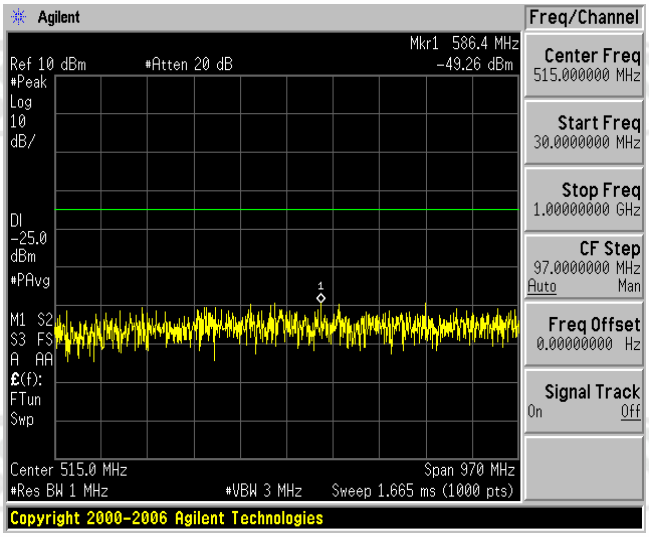

Band41-15MHz-QPSK-39725-1RB#0-Range2:1000~3000MHz



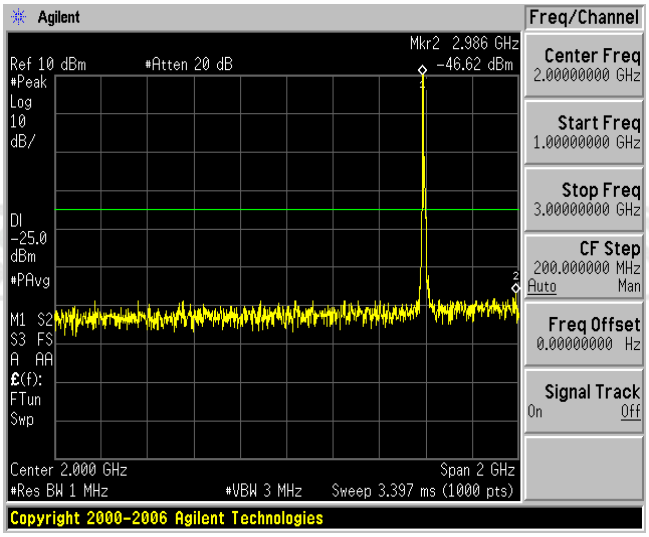

Band41-15MHz-QPSK-39725-1RB#0-Range3:3000~26500MHz



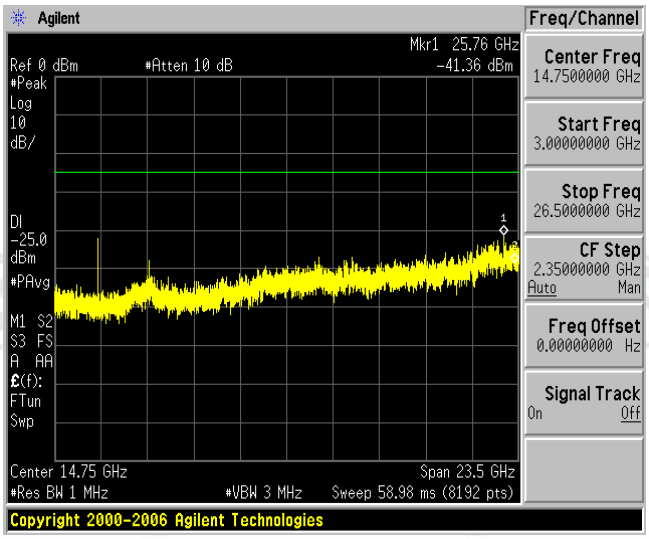

Band41-15MHz-QPSK-40620-1RB#0-Range1:30~1000MHz



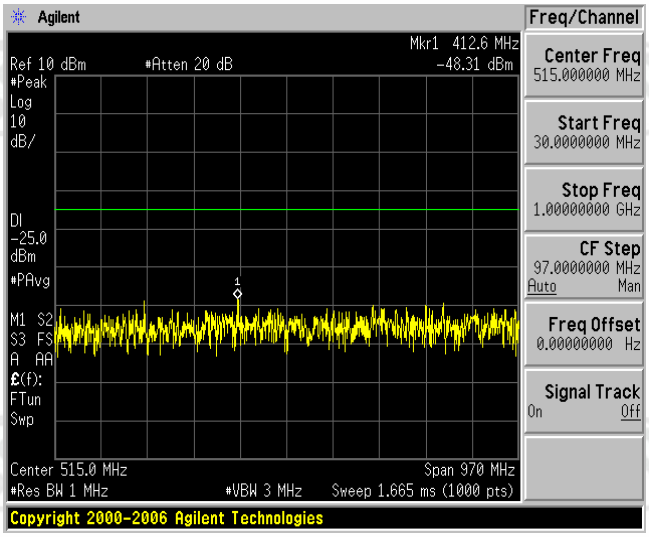

Band41-15MHz-QPSK-40620-1RB#0-Range2:1000~3000MHz



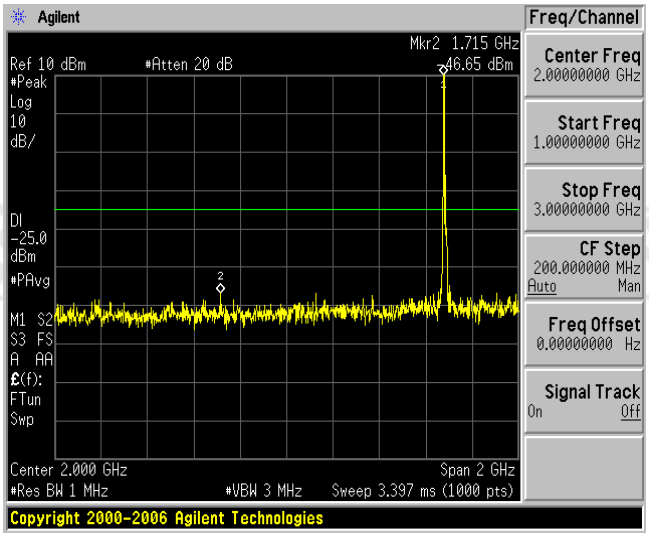

Band41-15MHz-QPSK-40620-1RB#0-Range3:3000~26500MHz



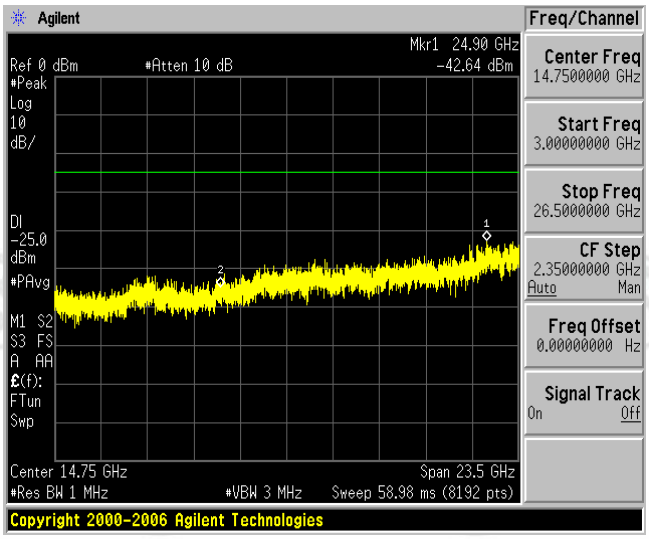

Band41-15MHz-QPSK-41515-1RB#0-Range1:30~1000MHz



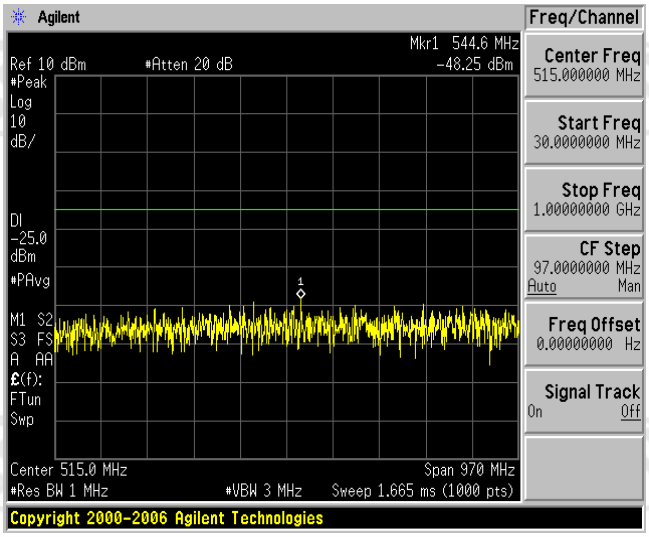

Band41-15MHz-QPSK-41515-1RB#0-Range2:1000~3000MHz



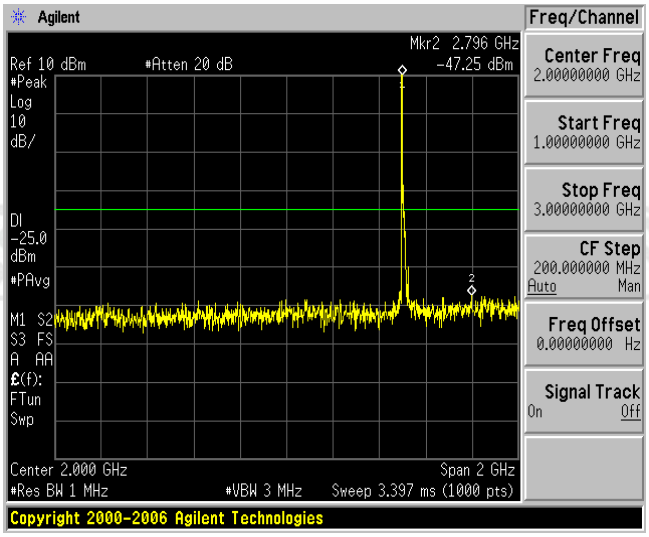

Band41-15MHz-QPSK-41515-1RB#0-Range3:3000~26500MHz



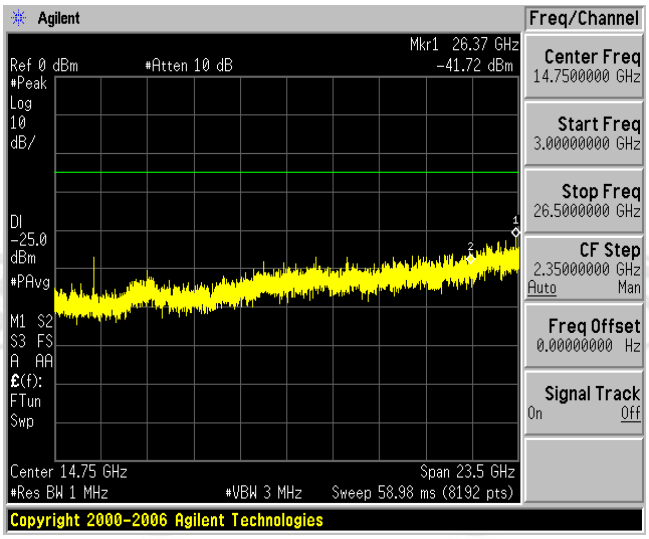

Band41-15MHz-16QAM-39725-1RB#0-Range1:30~1000MHz



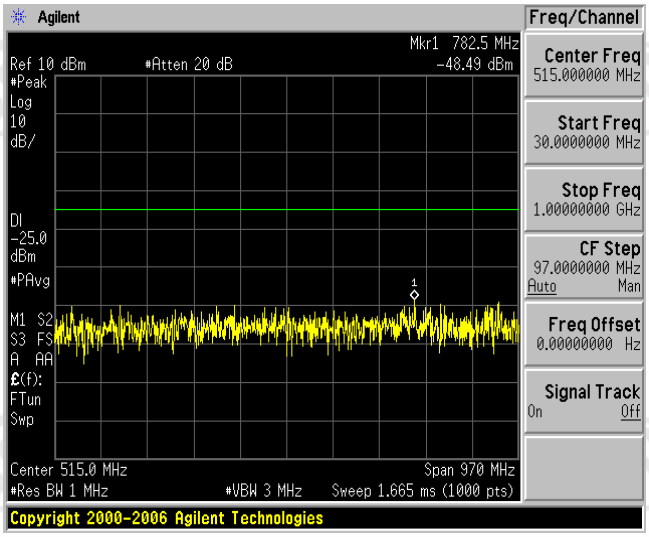

Band41-15MHz-16QAM-39725-1RB#0-Range2:1000~3000MHz



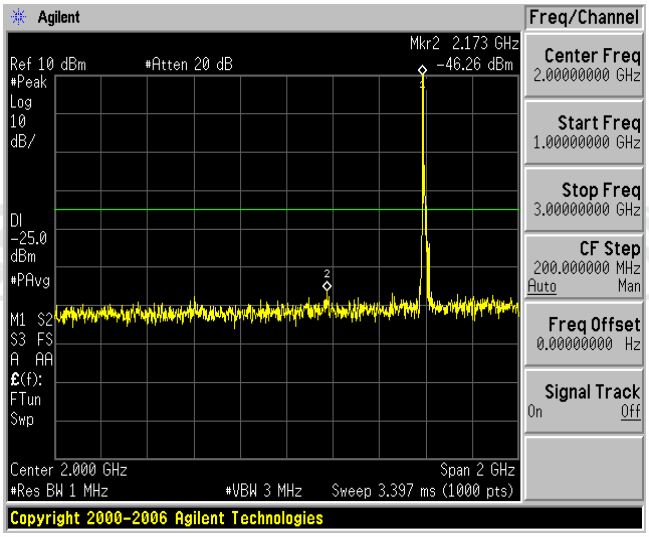

Band41-15MHz-16QAM-39725-1RB#0-Range3:3000~26500MHz



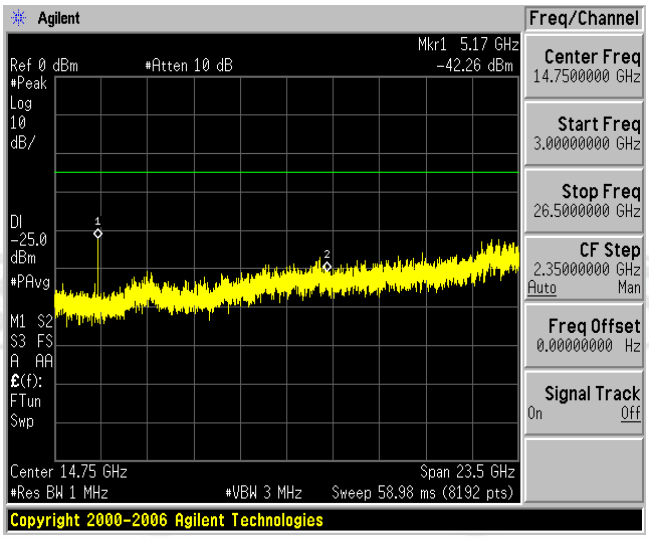

Band41-15MHz-16QAM-40620-1RB#0-Range1:30~1000MHz



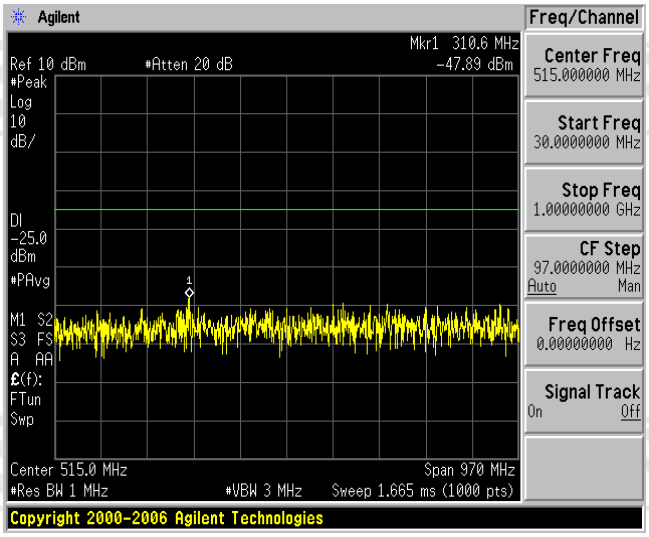

Band41-15MHz-16QAM-40620-1RB#0-Range2:1000~3000MHz



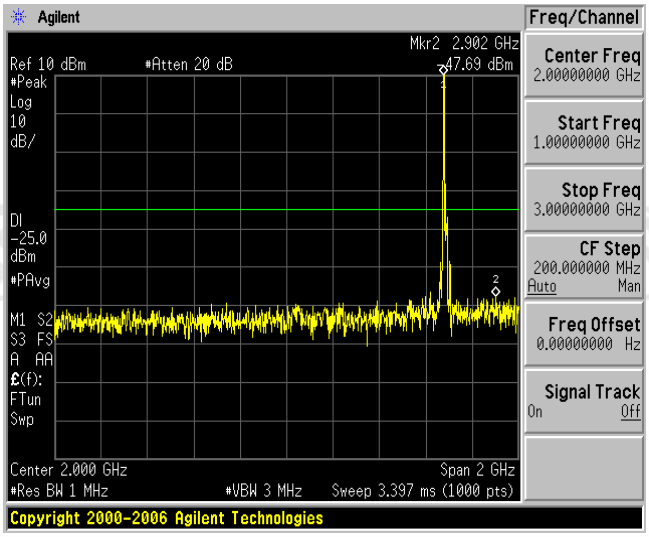

Band41-15MHz-16QAM-40620-1RB#0-Range3:3000~26500MHz



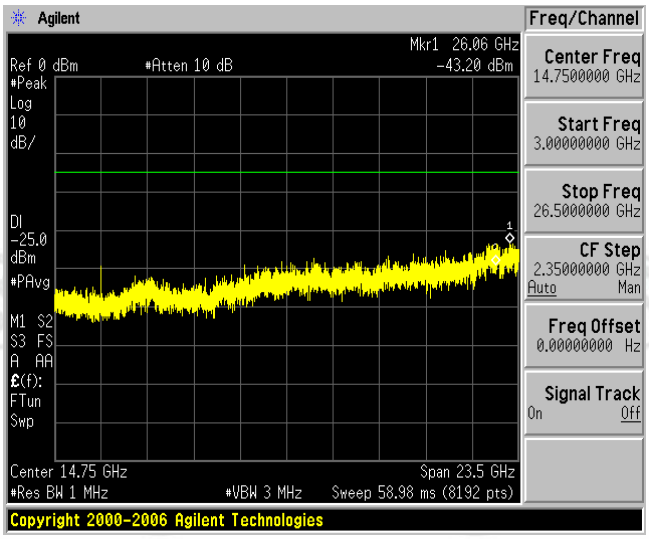

Band41-15MHz-16QAM-41515-1RB#0-Range1:30~1000MHz



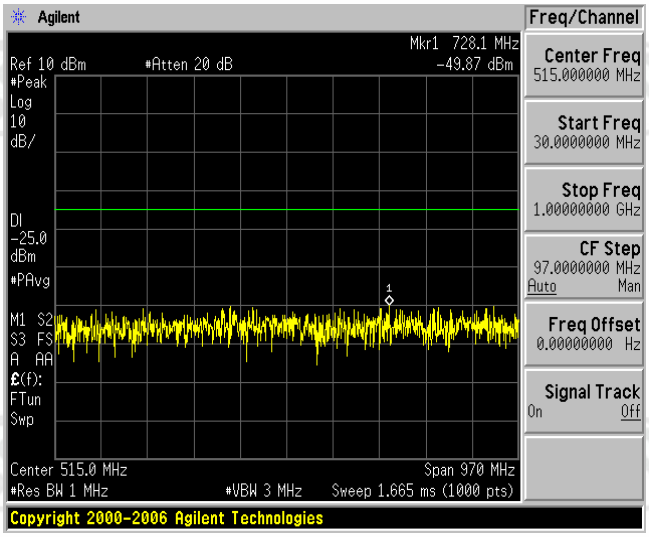

Band41-15MHz-16QAM-41515-1RB#0-Range2:1000~3000MHz



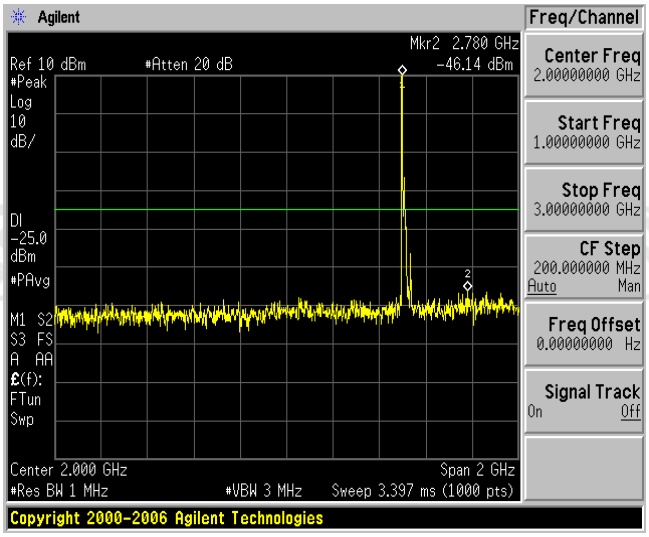

Band41-15MHz-16QAM-41515-1RB#0-Range3:3000~26500MHz



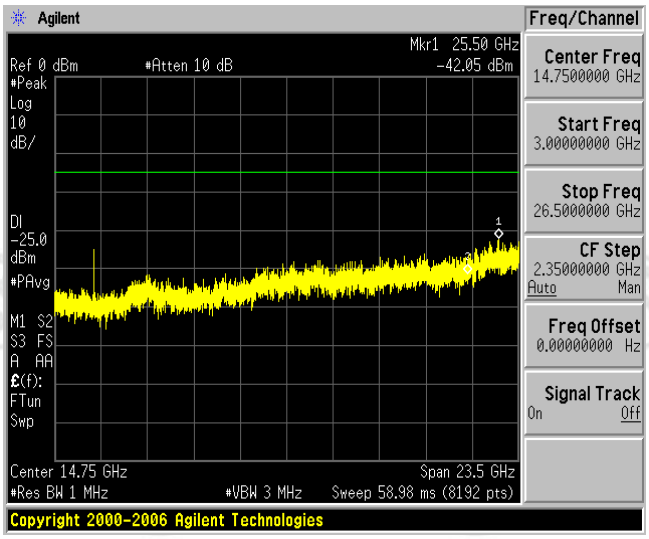

Band41-20MHz-QPSK-39750-1RB#0-Range1:30~1000MHz



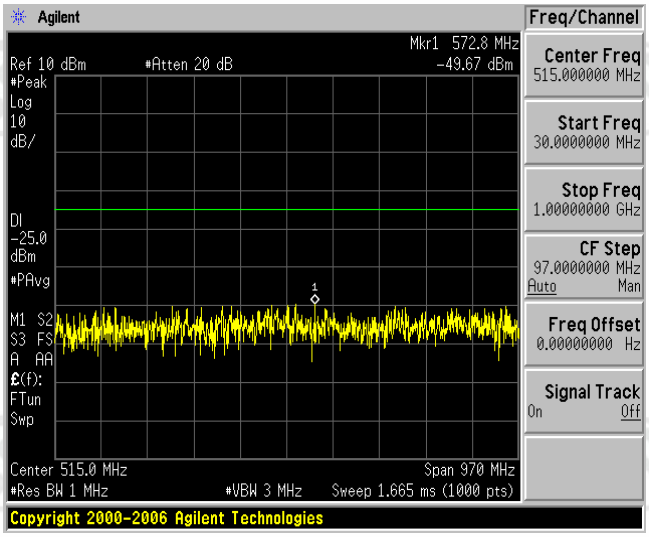

Band41-20MHz-QPSK-39750-1RB#0-Range2:1000~3000MHz



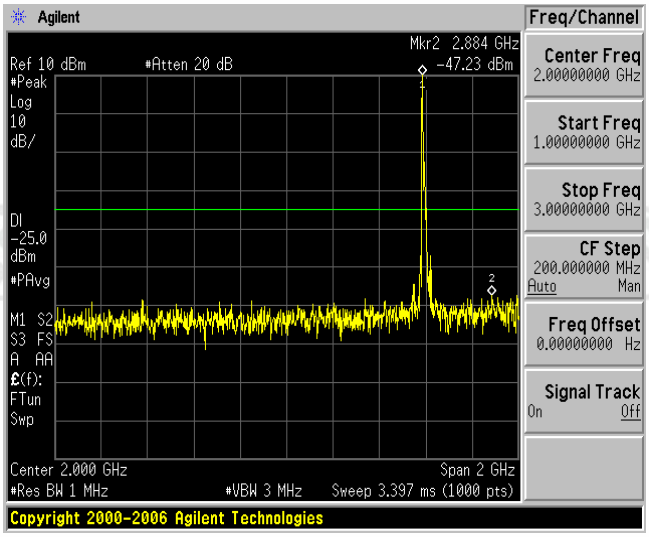

Band41-20MHz-QPSK-39750-1RB#0-Range3:3000~26500MHz



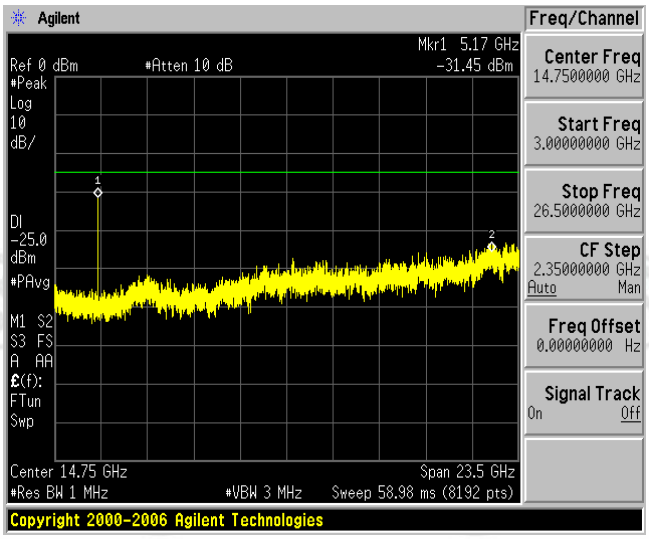

Band41-20MHz-QPSK-40620-1RB#0-Range1:30~1000MHz



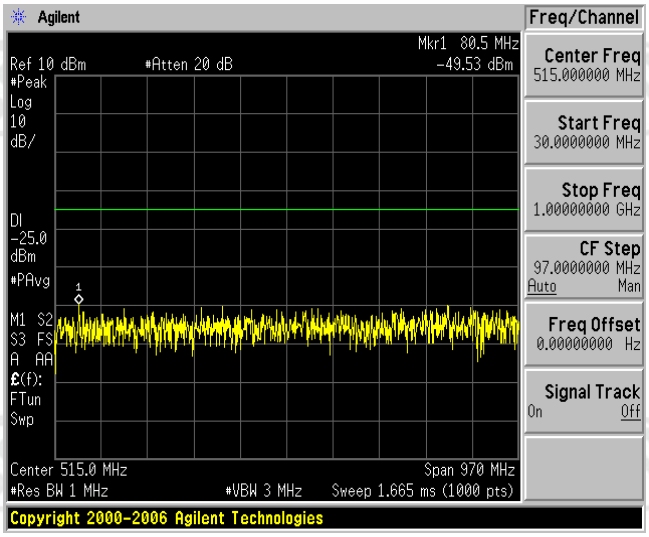

Band41-20MHz-QPSK-40620-1RB#0-Range2:1000~3000MHz



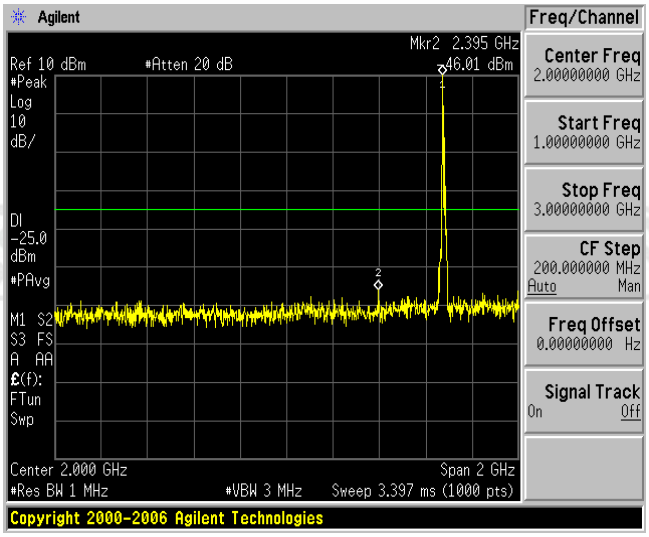

Band41-20MHz-QPSK-40620-1RB#0-Range3:3000~26500MHz



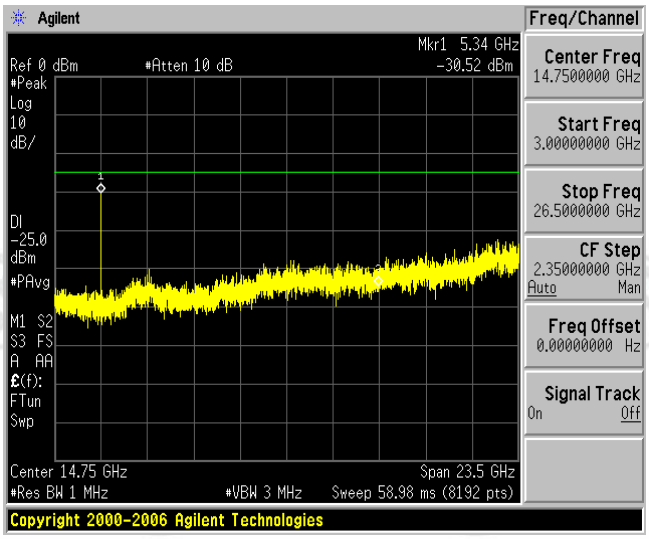

Band41-20MHz-QPSK-41490-1RB#0-Range1:30~1000MHz



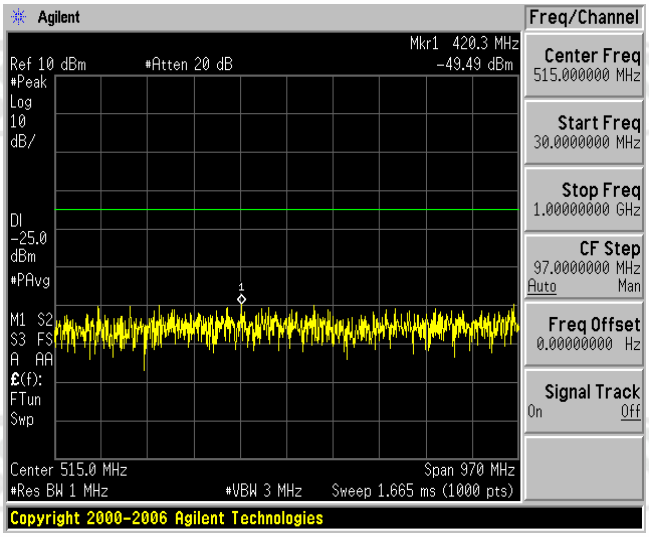

Band41-20MHz-QPSK-41490-1RB#0-Range2:1000~3000MHz



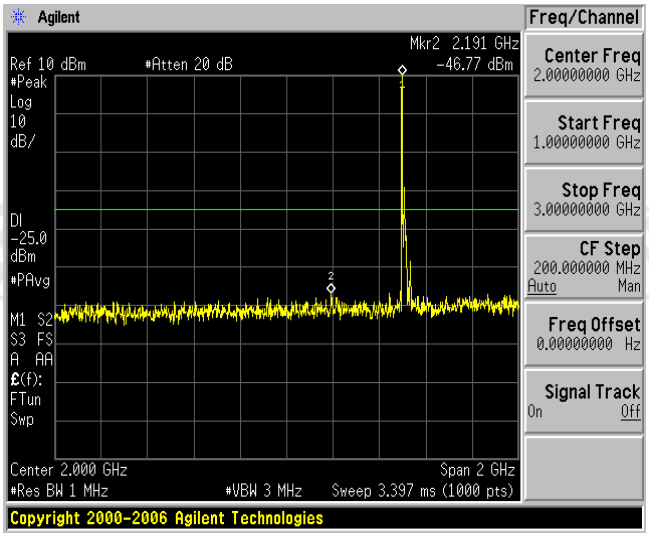

Band41-20MHz-QPSK-41490-1RB#0-Range3:3000~26500MHz



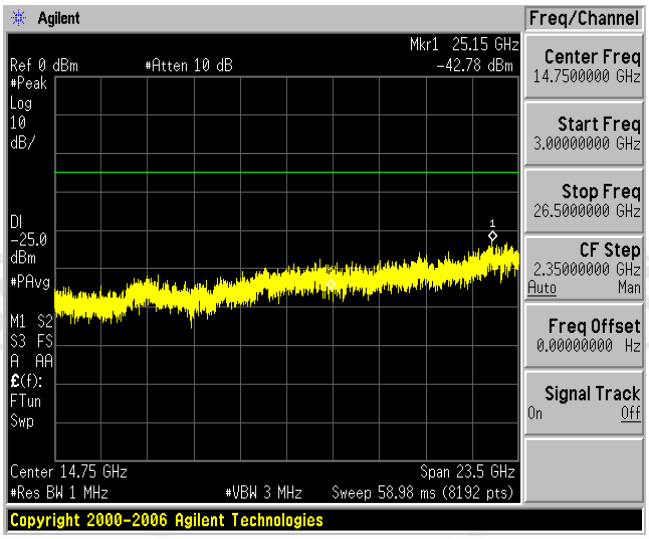

Band41-20MHz-16QAM-39750-1RB#0-Range1:30~1000MHz



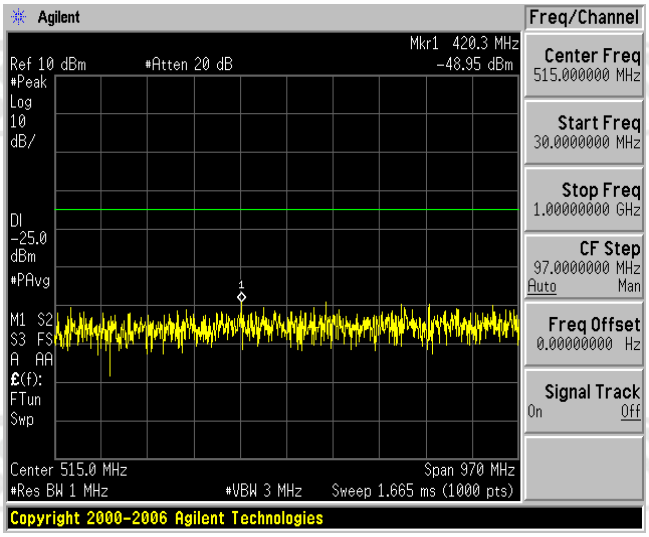

Band41-20MHz-16QAM-39750-1RB#0-Range2:1000~3000MHz



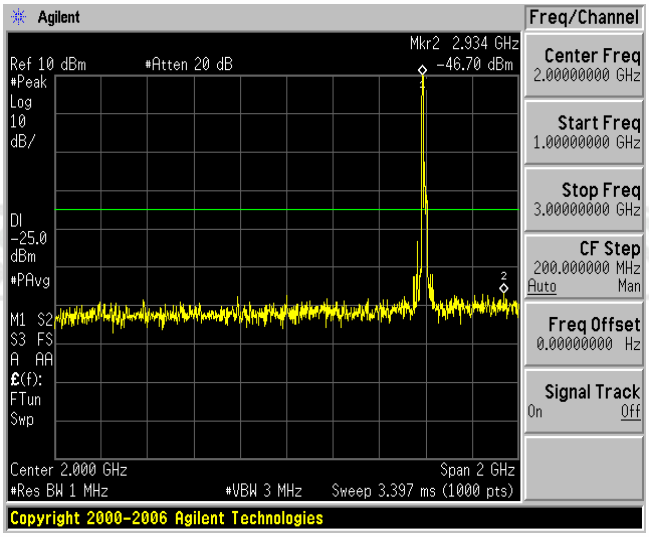

Band41-20MHz-16QAM-39750-1RB#0-Range3:3000~26500MHz



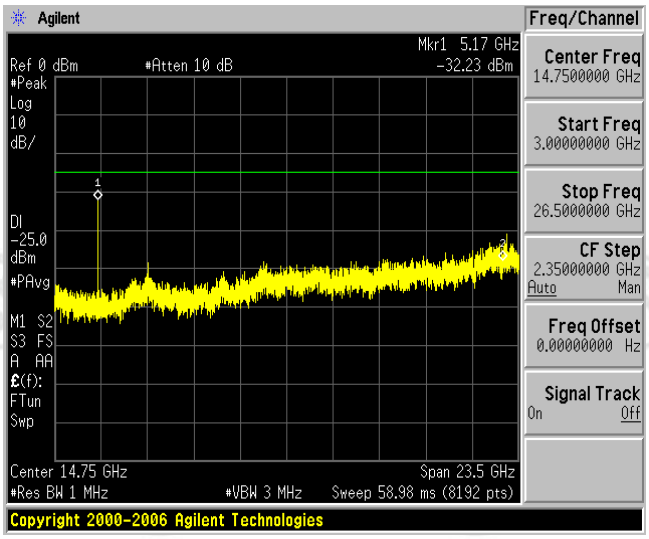

Band41-20MHz-16QAM-40620-1RB#0-Range1:30~1000MHz



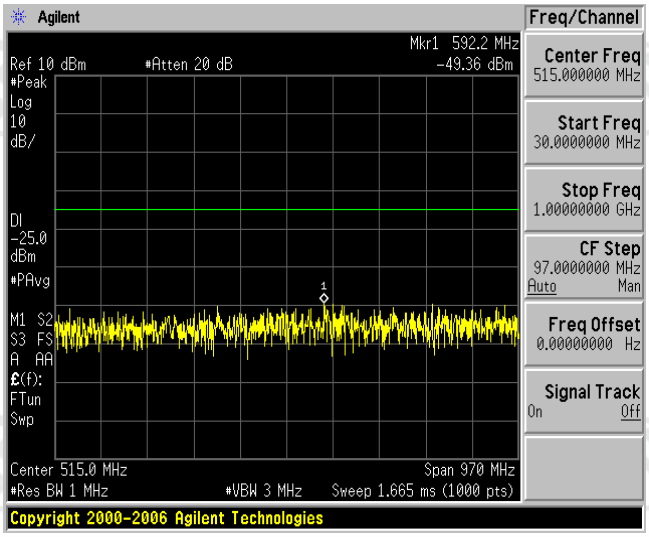

Band41-20MHz-16QAM-40620-1RB#0-Range2:1000~3000MHz



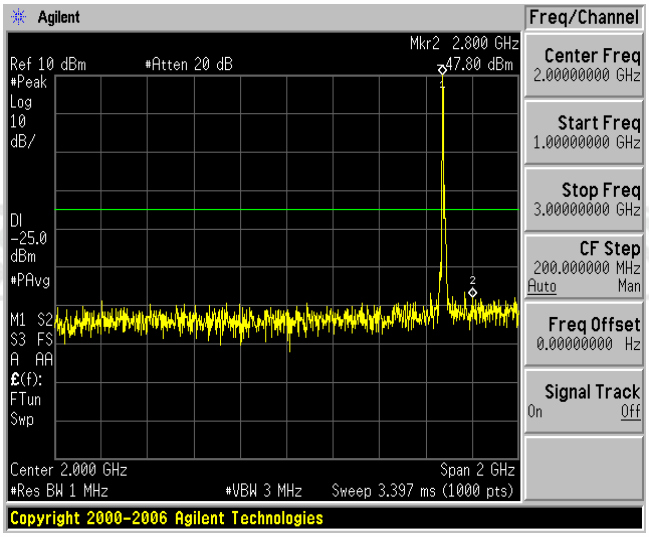

Band41-20MHz-16QAM-40620-1RB#0-Range3:3000~26500MHz



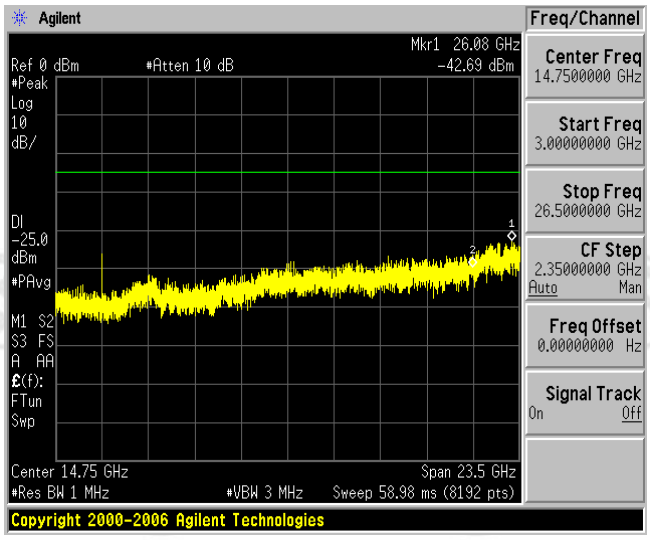

Band41-20MHz-16QAM-41490-1RB#0-Range1:30~1000MHz




Band41-20MHz-16QAM-41490-1RB#0-Range2:1000~3000MHz




Band41-20MHz-16QAM-41490-1RB#0-Range3:3000~26500MHz


Agilent
Freq/Channel
Mkr1 26.08 GHz
Ref 0 dBm
#Atten 10 dB
-42.69 dBm
#Peak
Log
10
dB/
Center Freq
14.7500000 GHz
Start Freq
3.00000000 GHz
Stop Freq
26.5000000 GHz
Dl
-25.0
dBm
#PAvg
CF Step
2.35000000 GHz
Auto
Man
M1 S2
S3 FS
A AA
£(f):
FTun
Swp
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Center 14.75 GHz
Span 23.5 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 58.98 ms (8192 pts)
Copyright 2000-2006 Agilent Technologies

# Appendix F: Frequency Stability

## Test Result

| Voltage | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band41 | 5MHz | QPSK | 39675 | 25RB#0 | VL | NT | -71.91 | -0.028781 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 39675 | 25RB#0 | VN | NT | -37.45 | -0.014989 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 39675 | 25RB#0 | VH | NT | -62.40 | -0.024975 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | VL | NT | 32.80 | 0.012649 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | VN | NT | -35.65 | -0.013749 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | VH | NT | 30.78 | 0.011870 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 25RB#0 | VL | NT | -66.00 | -0.024558 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 25RB#0 | VN | NT | 22.09 | 0.008220 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 25RB#0 | VH | NT | -92.08 | -0.034262 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 25RB#0 | VL | NT | -75.10 | -0.030058 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 25RB#0 | VN | NT | -75.10 | -0.030058 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 25RB#0 | VH | NT | -54.49 | -0.021809 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | VL | NT | -48.98 | -0.018889 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | VN | NT | -72.81 | -0.028079 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | VH | NT | -58.69 | -0.022634 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 25RB#0 | VL | NT | -75.50 | -0.028093 | ±2.5 | PASS |
| Band4 | 5MHz | 16QAM | 41565 | 25RB#0 | VN | NT | -64.92 | -0.024156 | ±2.5 | PASS |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | |
| Band41 | 5MHz | 16QAM | 41565 | 25RB#0 | VH | NT | -77.18 | -0.028718 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 50RB#0 | VL | NT | -68.29 | -0.027305 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 50RB#0 | VN | NT | -49.38 | -0.019744 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 50RB#0 | VH | NT | -83.40 | -0.033347 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | VL | NT | -65.33 | -0.025195 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | VN | NT | -77.06 | -0.029718 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | VH | NT | -56.35 | -0.021732 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 50RB#0 | VL | NT | -70.64 | -0.026309 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 50RB#0 | VN | NT | -45.26 | -0.016857 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 50RB#0 | VH | NT | -90.04 | -0.033534 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 50RB#0 | VL | NT | -53.94 | -0.021567 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 50RB#0 | VN | NT | -57.32 | -0.022919 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 50RB#0 | VH | NT | -54.80 | -0.021911 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0 | VL | NT | 41.28 | 0.015920 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0 | VN | NT | -31.06 | -0.011978 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0 | VH | NT | -90.39 | -0.034859 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 50RB#0 | VL | NT | -104.07 | -0.038760 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 50RB#0 | VN | NT | -108.68 | -0.040477 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 50RB#0 | VH | NT | -83.53 | -0.031110 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 75RB#0 | VL | NT | -85.09 | -0.033988 | ±2.5 | PASS |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Band41 | 15MHz | QPSK | 39725 | 75RB#0 | VN | NT | -66.95 | -0.026743 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 75RB#0 | VH | NT | -93.74 | -0.037444 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | VL | NT | 21.49 | 0.008288 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | VN | NT | -33.86 | -0.013058 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | VH | NT | -62.81 | -0.024223 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 75RB#0 | VL | NT | -55.42 | -0.020660 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 75RB#0 | VN | NT | 19.53 | 0.007281 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 75RB#0 | VH | NT | -81.77 | -0.030483 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 75RB#0 | VL | NT | -49.51 | -0.019776 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 75RB#0 | VN | NT | -57.55 | -0.022988 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 75RB#0 | VH | NT | -45.23 | -0.018067 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0 | VL | NT | 44.37 | 0.017111 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0 | VN | NT | 37.82 | 0.014585 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0 | VH | NT | -65.43 | -0.025233 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 75RB#0 | VL | NT | -75.86 | -0.028280 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 75RB#0 | VN | NT | -82.74 | -0.030844 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 75RB#0 | VH | NT | -51.66 | -0.019258 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 100RB#0 | VL | NT | -90.89 | -0.036269 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 100RB#0 | VN | NT | -86.80 | -0.034637 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 100RB#0 | VH | NT | -99.79 | -0.039820 | ±2.5 | PASS |
| Band4 | 20MHz | QPSK | 40620 | 100RB#0 | VL | NT | -88.01 | -0.033941 | ±2.5 | PASS |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | VN | NT | -71.93 | -0.027740 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | VH | NT | -77.73 | -0.029977 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 100RB#0 | VL | NT | -92.67 | -0.034578 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 100RB#0 | VN | NT | -77.10 | -0.028769 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 100RB#0 | VH | NT | -79.89 | -0.029810 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | VL | NT | -69.07 | -0.027562 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | VN | NT | -87.65 | -0.034976 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | VH | NT | -94.91 | -0.037873 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | VL | NT | -67.99 | -0.026221 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | VN | NT | -107.26 | -0.041365 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | VH | NT | -90.62 | -0.034948 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | VL | NT | -60.58 | -0.022604 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | VN | NT | -95.82 | -0.035754 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | VH | NT | -72.24 | -0.026955 | ±2.5 | PASS |

| Temperature | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band41 | 5MHz | QPSK | 39675 | 25RB#0 | NV | -30 | -77.39 | -0.030975 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 39675 | 25RB#0 | NV | -20 | -93.34 | -0.037358 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 39675 | 25RB#0 | NV | 0 | -68.01 | -0.027220 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 39675 | 25RB#0 | NV | 10 | -90.59 | -0.036258 | ±2.5 | PASS |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Band41 | 5MHz | QPSK | 39675 | 25RB#0 | NV | 20 | -64.03 | -0.025627 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | NV | -30 | 39.85 | 0.015368 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | NV | -20 | 30.30 | 0.011685 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | NV | 0 | 32.99 | 0.012723 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | NV | 10 | 48.35 | 0.018646 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | NV | 20 | -73.53 | -0.028357 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 25RB#0 | NV | -30 | -63.10 | -0.023479 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 25RB#0 | NV | -20 | -79.89 | -0.029727 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 25RB#0 | NV | 0 | -84.17 | -0.031319 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 25RB#0 | NV | 10 | -67.53 | -0.025127 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 41565 | 25RB#0 | NV | 20 | -79.05 | -0.029414 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 25RB#0 | NV | -30 | -55.39 | -0.022169 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 25RB#0 | NV | -20 | -48.94 | -0.019588 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 25RB#0 | NV | 0 | -76.43 | -0.030590 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 25RB#0 | NV | 10 | -62.76 | -0.025119 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 25RB#0 | NV | 20 | -62.76 | -0.025119 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | NV | -30 | -57.85 | -0.022310 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | NV | -20 | -47.79 | -0.018430 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | NV | 0 | -32.19 | -0.012414 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | NV | 10 | -30.90 | -0.011917 | ±2.5 | PASS |
| Band4 | 5MHz | 16QAM | 40620 | 25RB#0 | NV | 20 | -31.61 | -0.012191 | ±2.5 | PASS |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | |
| Band41 | 5MHz | 16QAM | 41565 | 25RB#0 | NV | -30 | -75.46 | -0.028078 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 25RB#0 | NV | -20 | -88.46 | -0.032915 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 25RB#0 | NV | 0 | -92.45 | -0.034400 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 25RB#0 | NV | 10 | -55.45 | -0.020633 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 25RB#0 | NV | 20 | -57.22 | -0.021291 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 50RB#0 | NV | -30 | -82.70 | -0.033067 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 50RB#0 | NV | -20 | -97.00 | -0.038784 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 50RB#0 | NV | 0 | -49.47 | -0.019780 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 50RB#0 | NV | 10 | -52.83 | -0.021124 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 39700 | 50RB#0 | NV | 20 | -63.27 | -0.025298 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | NV | -30 | -63.14 | -0.024350 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | NV | -20 | -40.93 | -0.015785 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | NV | 0 | -28.50 | -0.010991 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | NV | 10 | -42.59 | -0.016425 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | NV | 20 | -39.11 | -0.015083 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 50RB#0 | NV | -30 | -61.58 | -0.022935 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 50RB#0 | NV | -20 | -75.66 | -0.028179 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 50RB#0 | NV | 0 | -78.36 | -0.029184 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 50RB#0 | NV | 10 | -69.68 | -0.025952 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 41540 | 50RB#0 | NV | 20 | -97.56 | -0.036335 | ±2.5 | PASS |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Band41 | 10MHz | 16QAM | 39700 | 50RB#0 | NV | -30 | -51.14 | -0.020448 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 50RB#0 | NV | -20 | -34.32 | -0.013723 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 50RB#0 | NV | 0 | -33.89 | -0.013551 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 50RB#0 | NV | 10 | -39.91 | -0.015958 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 50RB#0 | NV | 20 | -43.33 | -0.017325 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0 | NV | -30 | -54.62 | -0.021064 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0 | NV | -20 | -68.54 | -0.026433 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0 | NV | 0 | -47.95 | -0.018492 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0 | NV | 10 | -33.63 | -0.012970 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0 | NV | 20 | -35.76 | -0.013791 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 50RB#0 | NV | -30 | -81.60 | -0.030391 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 50RB#0 | NV | -20 | -94.11 | -0.035050 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 50RB#0 | NV | 0 | -96.83 | -0.036063 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 50RB#0 | NV | 10 | -76.30 | -0.028417 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 50RB#0 | NV | 20 | -67.45 | -0.025121 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 75RB#0 | NV | -30 | -64.52 | -0.025772 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 75RB#0 | NV | -20 | -70.37 | -0.028109 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 75RB#0 | NV | 0 | -73.00 | -0.029159 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 75RB#0 | NV | 10 | -87.26 | -0.034855 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 39725 | 75RB#0 | NV | 20 | -36.52 | -0.014588 | ±2.5 | PASS |
| Band4 | 15MHz | QPSK | 40620 | 75RB#0 | NV | -30 | -55.17 | -0.021277 | ±2.5 | PASS |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | NV | -20 | -49.87 | -0.019233 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | NV | 0 | -37.57 | -0.014489 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | NV | 10 | -23.02 | -0.008878 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | NV | 20 | -12.50 | -0.004821 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 75RB#0 | NV | -30 | -90.12 | -0.033596 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 75RB#0 | NV | -20 | -99.06 | -0.036928 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 75RB#0 | NV | 0 | -53.01 | -0.019761 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 75RB#0 | NV | 10 | -60.27 | -0.022468 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 41515 | 75RB#0 | NV | 20 | -74.77 | -0.027873 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 75RB#0 | NV | -30 | -43.07 | -0.017204 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 75RB#0 | NV | -20 | -31.23 | -0.012475 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 75RB#0 | NV | 0 | -25.56 | -0.010210 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 75RB#0 | NV | 10 | -28.87 | -0.011532 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 75RB#0 | NV | 20 | 44.45 | 0.017755 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0 | NV | -30 | -55.49 | -0.021400 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0 | NV | -20 | -42.96 | -0.016568 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0 | NV | 0 | -54.32 | -0.020949 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0 | NV | 10 | -36.08 | -0.013914 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0 | NV | 20 | -24.73 | -0.009537 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 75RB#0 | NV | -30 | -67.33 | -0.025100 | ±2.5 | PASS |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Band41 | 15MHz | 16QAM | 41515 | 75RB#0 | NV | -20 | -72.63 | -0.027075 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 75RB#0 | NV | 0 | -60.35 | -0.022498 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 75RB#0 | NV | 10 | -56.42 | -0.021033 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 75RB#0 | NV | 20 | -59.72 | -0.022263 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 100RB#0 | NV | -30 | -80.91 | -0.032287 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 100RB#0 | NV | -20 | -77.23 | -0.030818 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 100RB#0 | NV | 0 | -100.26 | -0.040008 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 100RB#0 | NV | 10 | -66.25 | -0.026437 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 39750 | 100RB#0 | NV | 20 | -100.54 | -0.040120 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | NV | -30 | -74.84 | -0.028862 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | NV | -20 | -71.43 | -0.027547 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | NV | 0 | -72.74 | -0.028052 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | NV | 10 | -62.46 | -0.024088 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | NV | 20 | -69.84 | -0.026934 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 100RB#0 | NV | -30 | -101.68 | -0.037940 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 100RB#0 | NV | -20 | -70.70 | -0.026381 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 100RB#0 | NV | 0 | -90.42 | -0.033739 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 100RB#0 | NV | 10 | -96.12 | -0.035866 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 41490 | 100RB#0 | NV | 20 | -97.69 | -0.036451 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | NV | -30 | -81.20 | -0.032402 | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 39750 | 100RB#0 | NV | -20 | -73.96 | -0.029513 | ±2.5 | PASS |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | NV | 0 | -74.44 | -0.029705 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | NV | 10 | -77.51 | -0.030930 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | NV | 20 | -97.70 | -0.038986 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | -30 | -86.09 | -0.033201 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | -20 | -88.09 | -0.033972 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | 0 | -66.35 | -0.025588 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | 10 | -73.63 | -0.028396 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | 20 | -89.92 | -0.034678 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | NV | -30 | -62.18 | -0.023201 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | NV | -20 | -62.40 | -0.023284 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | NV | 0 | -80.44 | -0.030015 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | NV | 10 | -78.48 | -0.029284 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | NV | 20 | -51.50 | -0.019216 | ±2.5 | PASS |

***END OF REPORT***