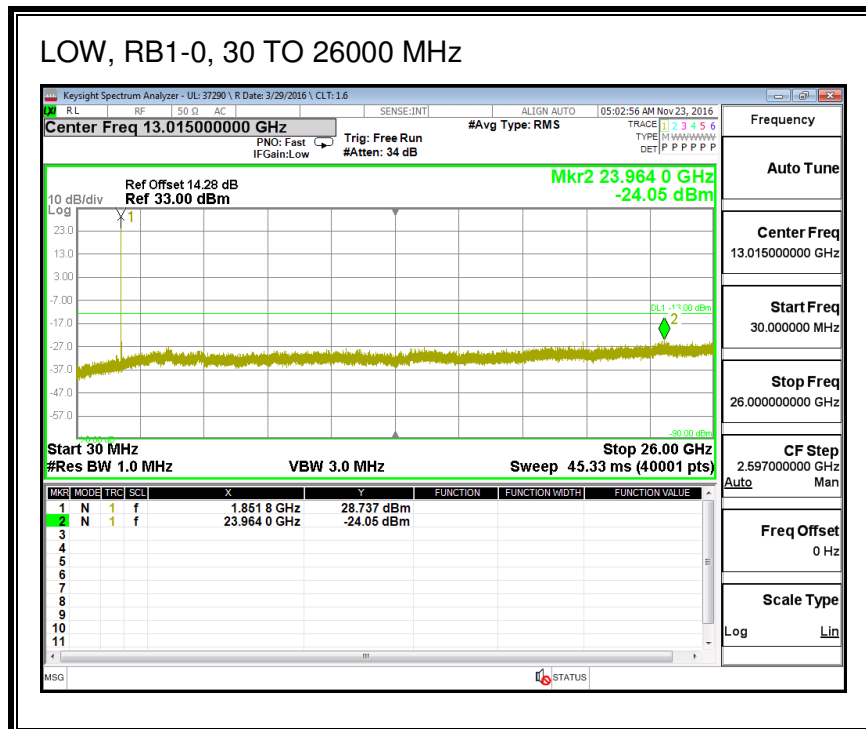
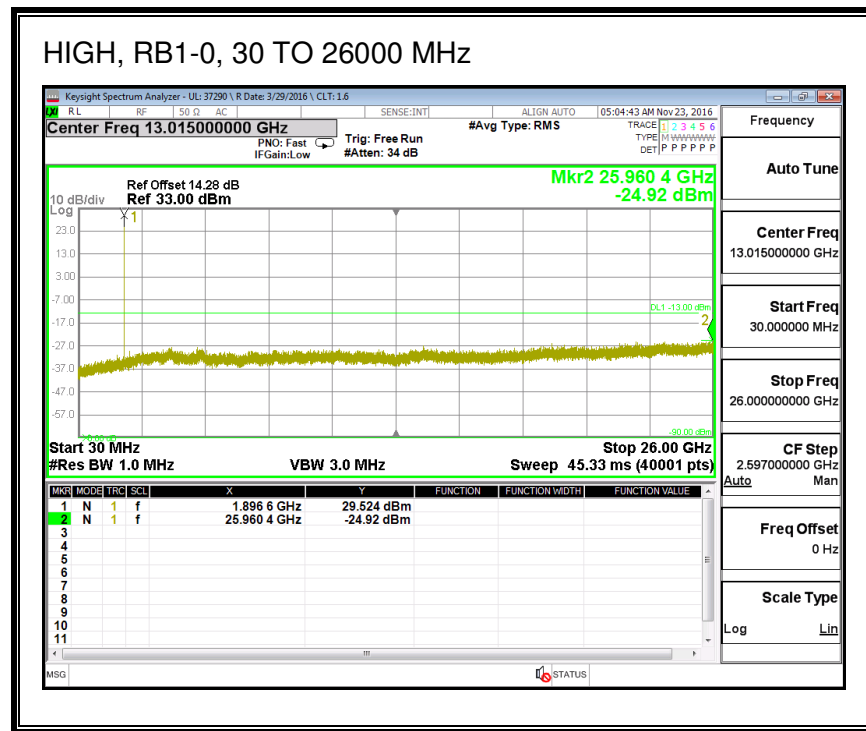
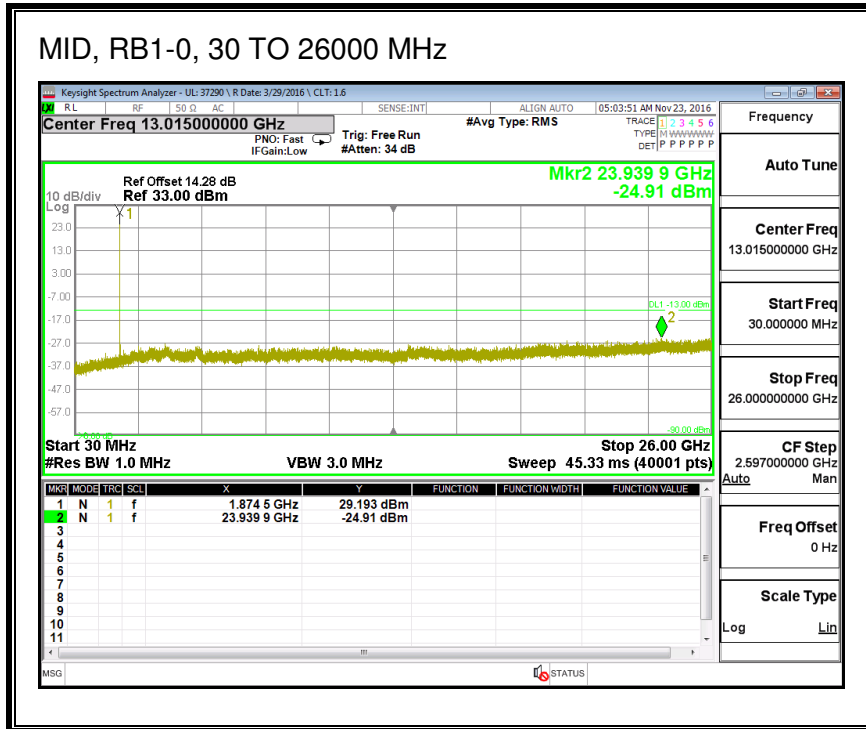


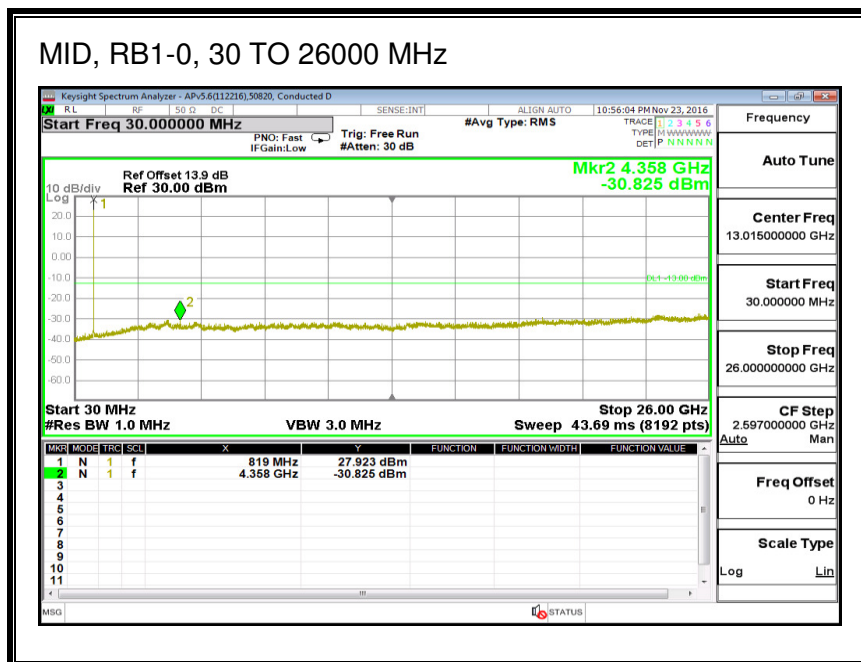
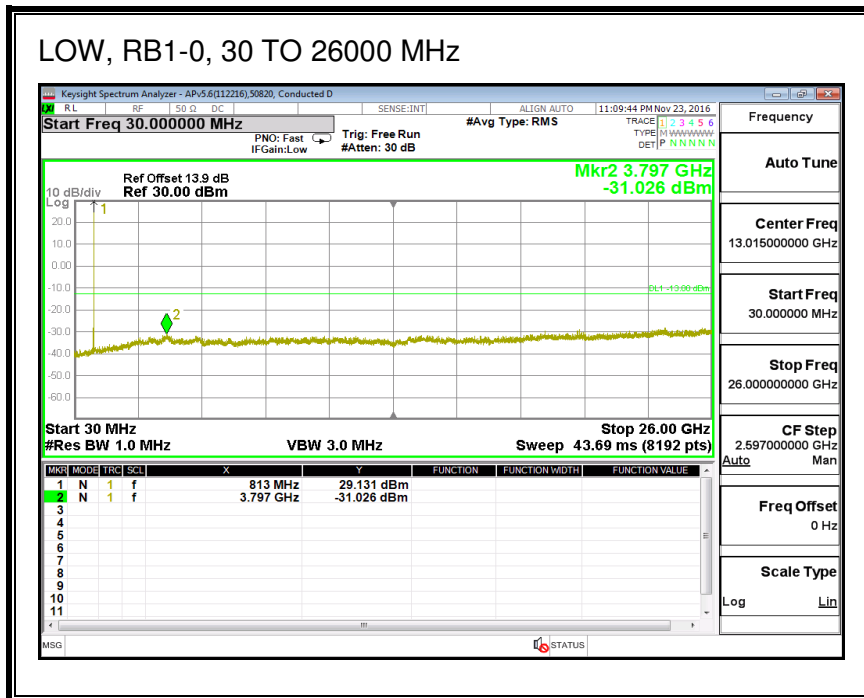
16QAM, (20.0 MHz BAND WIDTH)

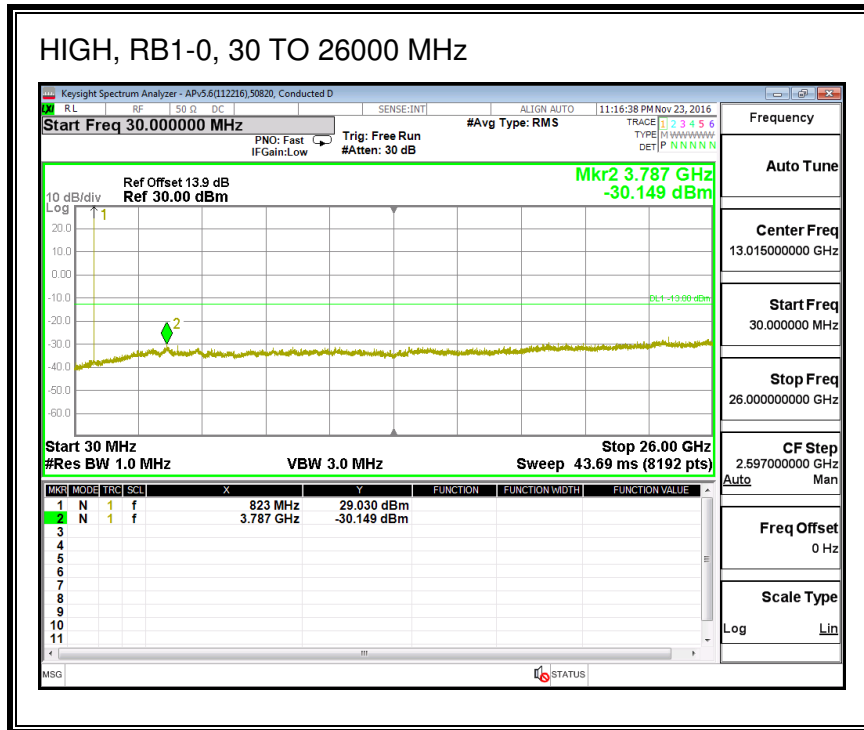




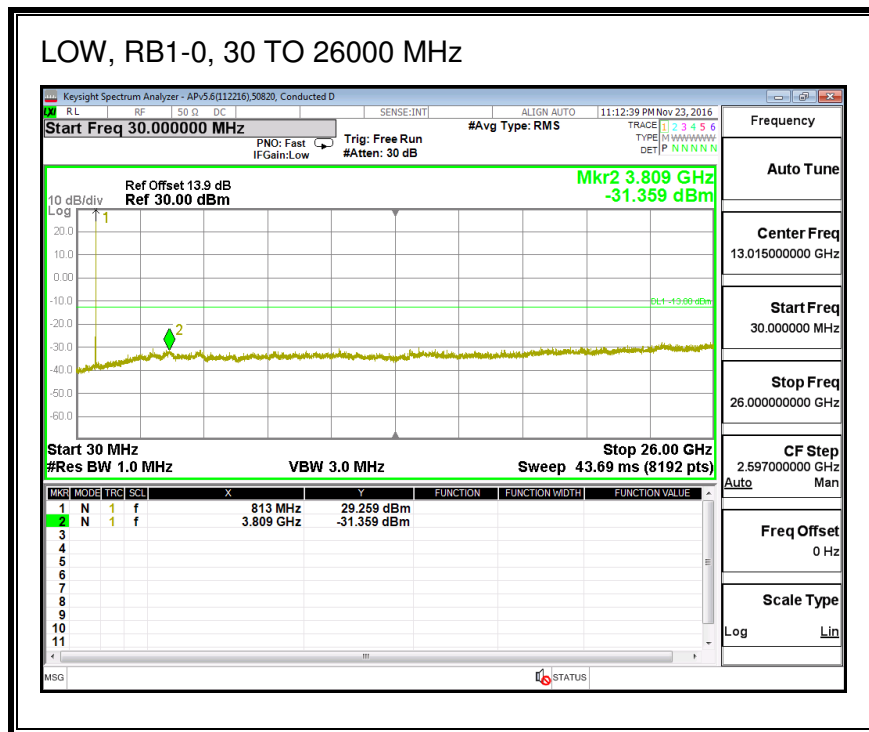
8.3.9. LTE BAND 26

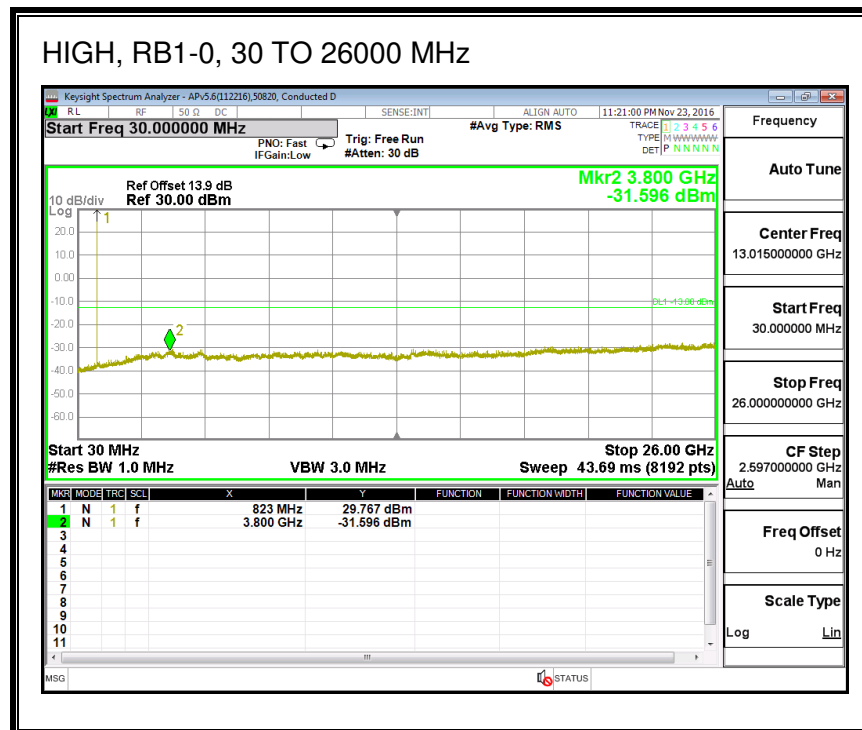
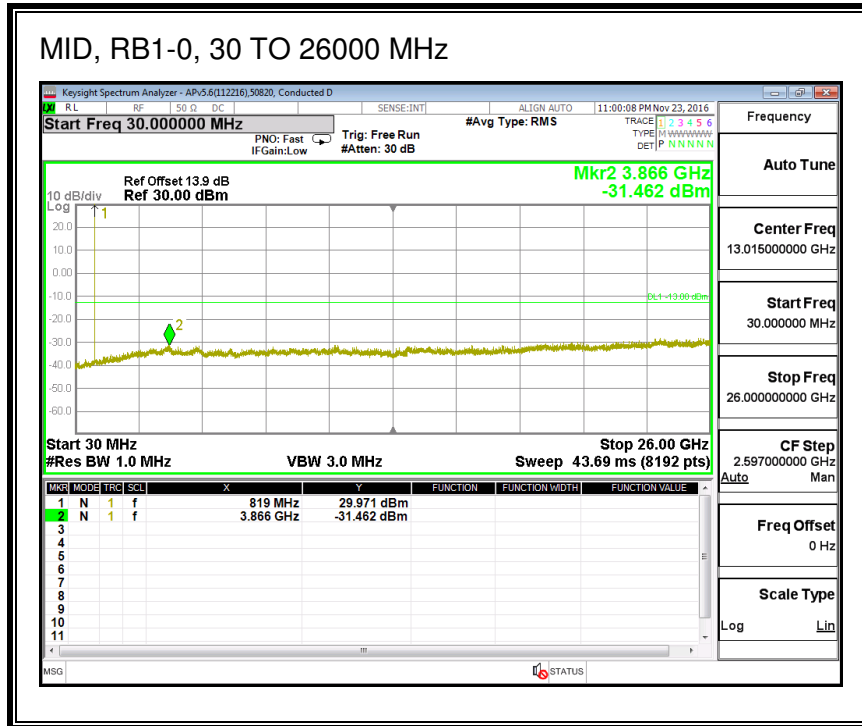
QPSK, (1.4 MHz BAND WIDTH)



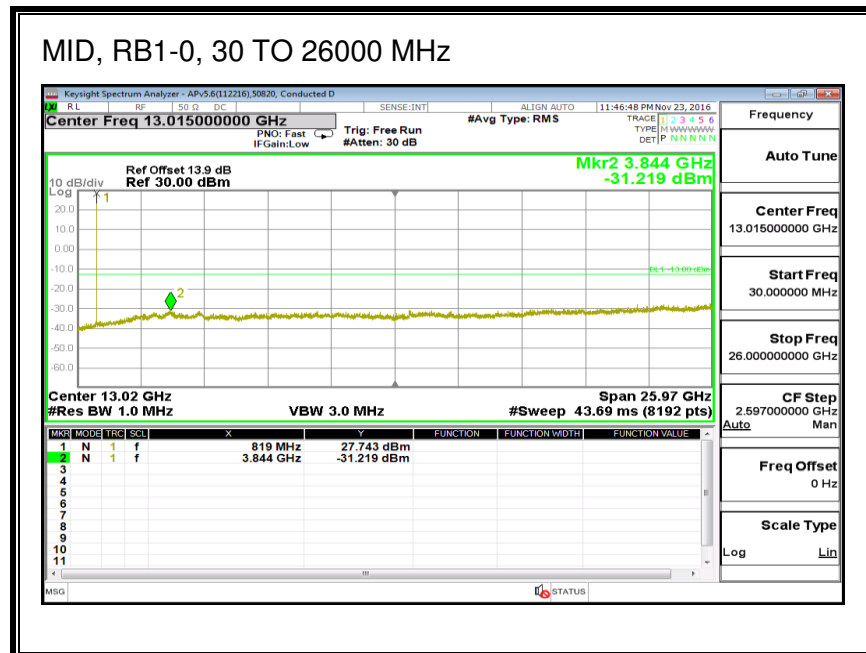
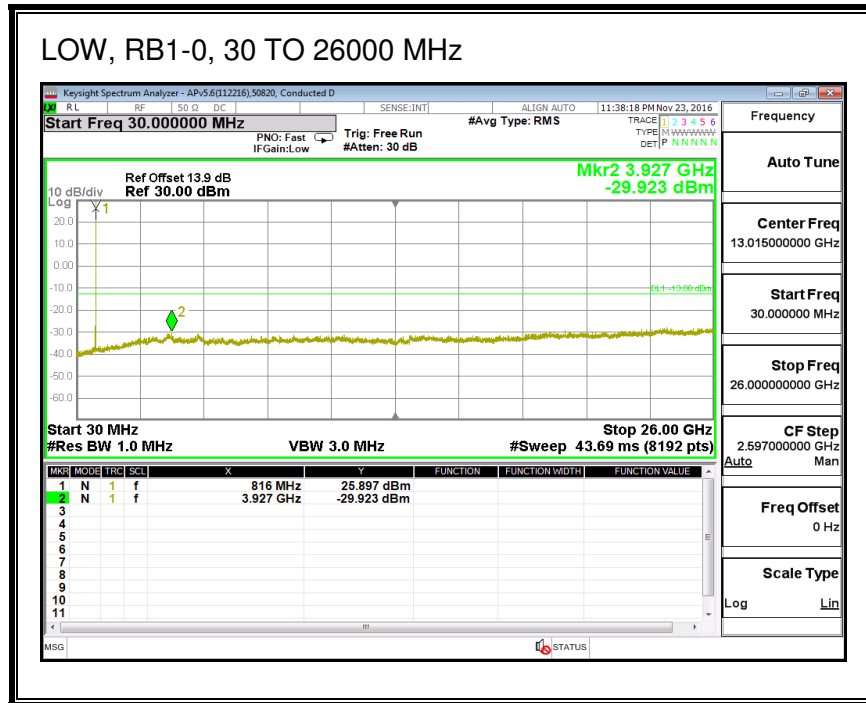


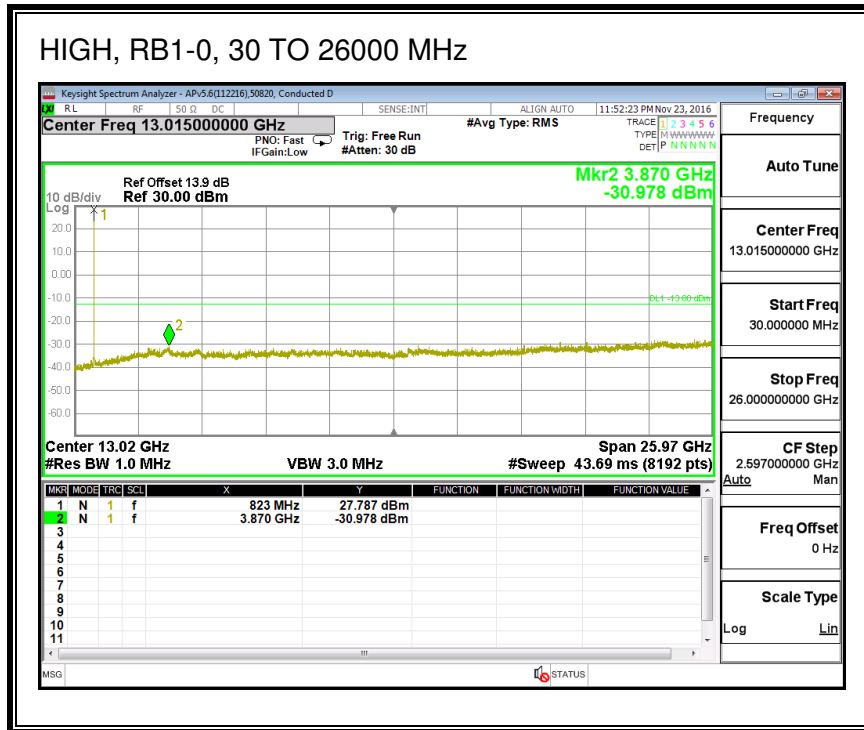
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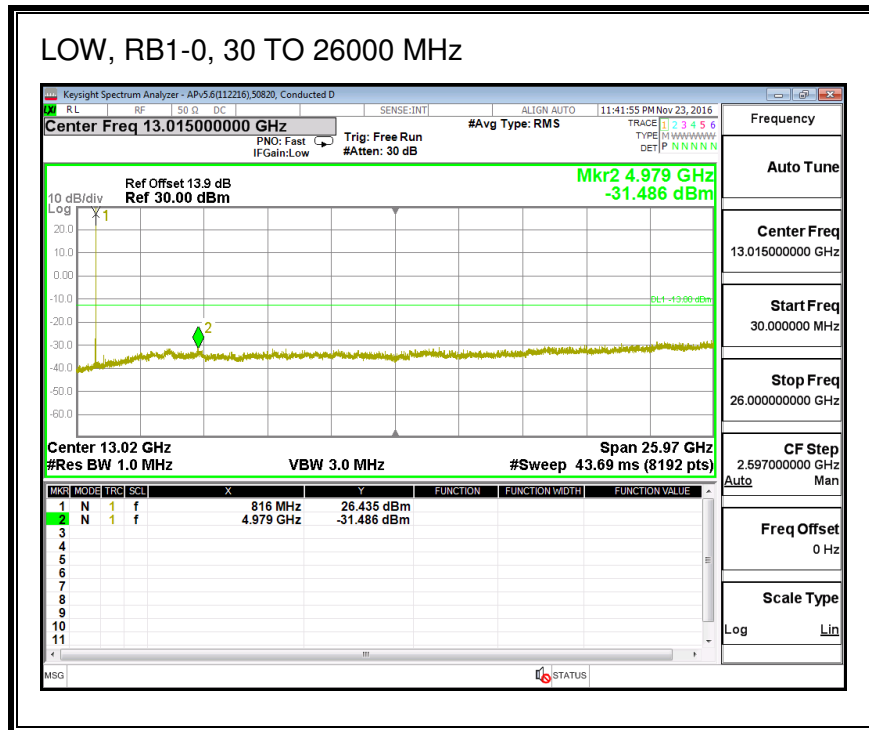


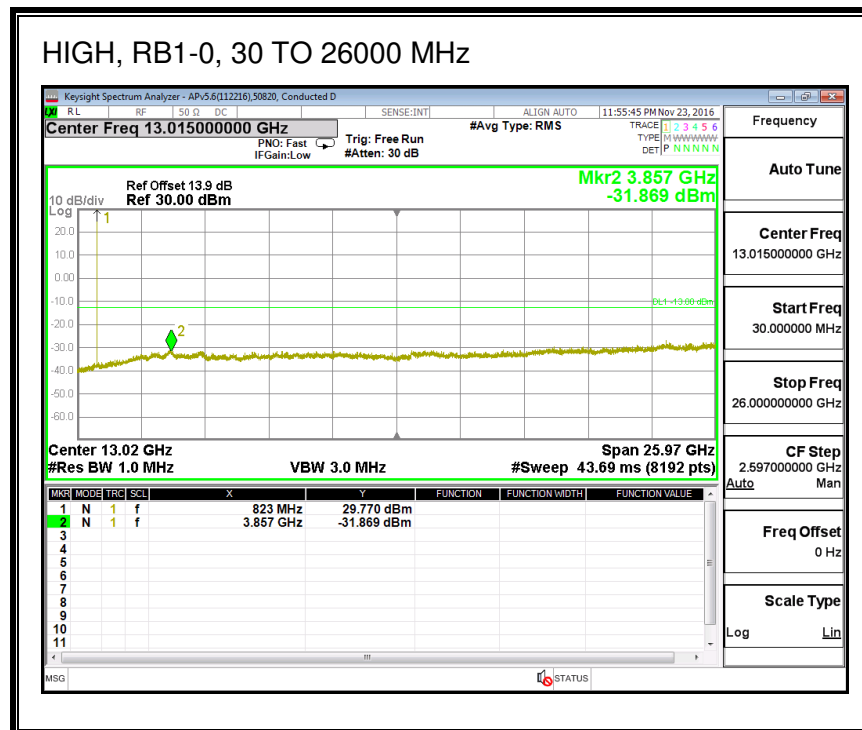
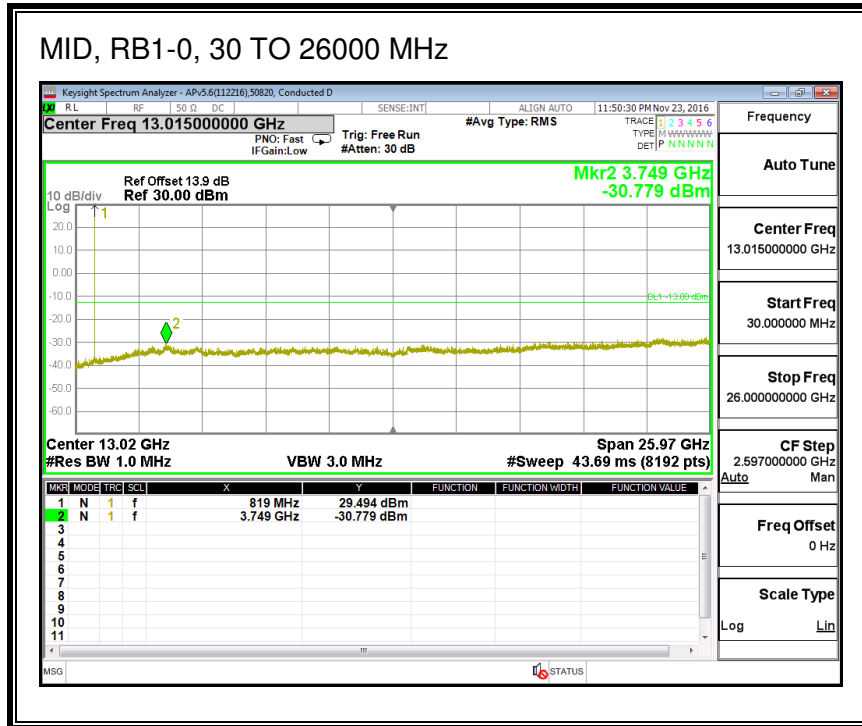
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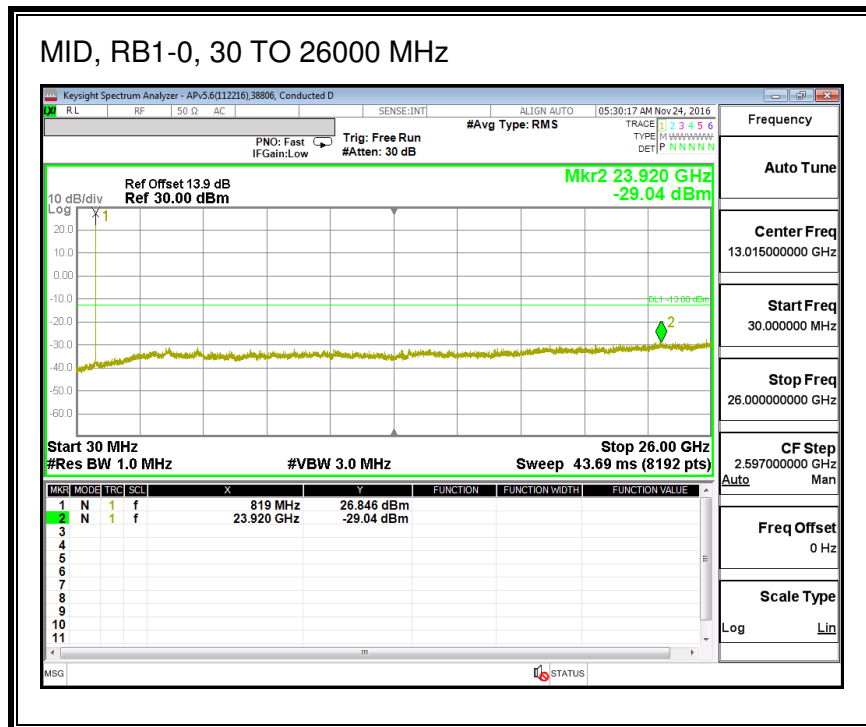
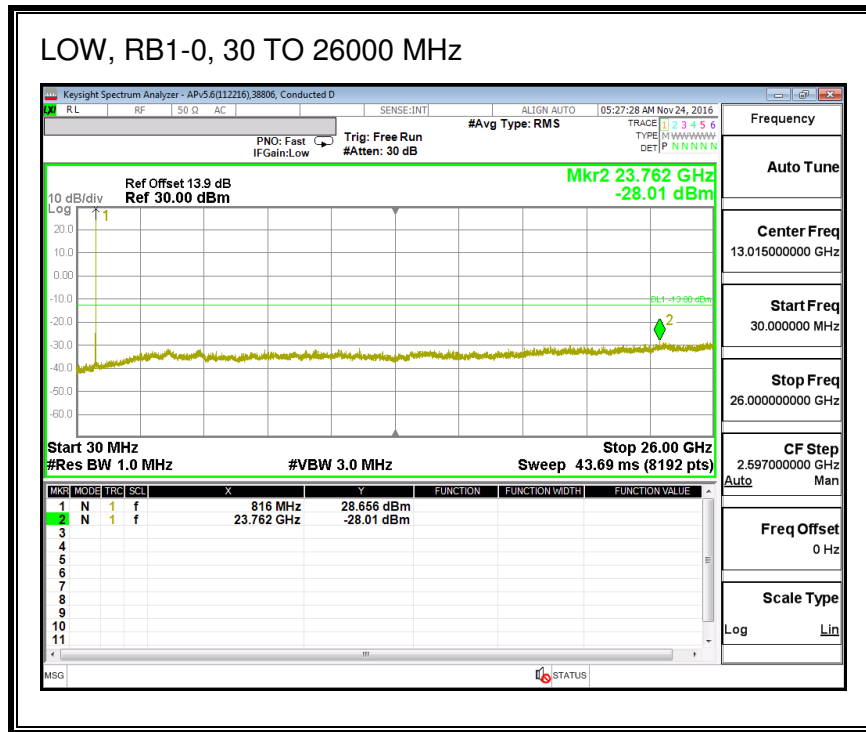


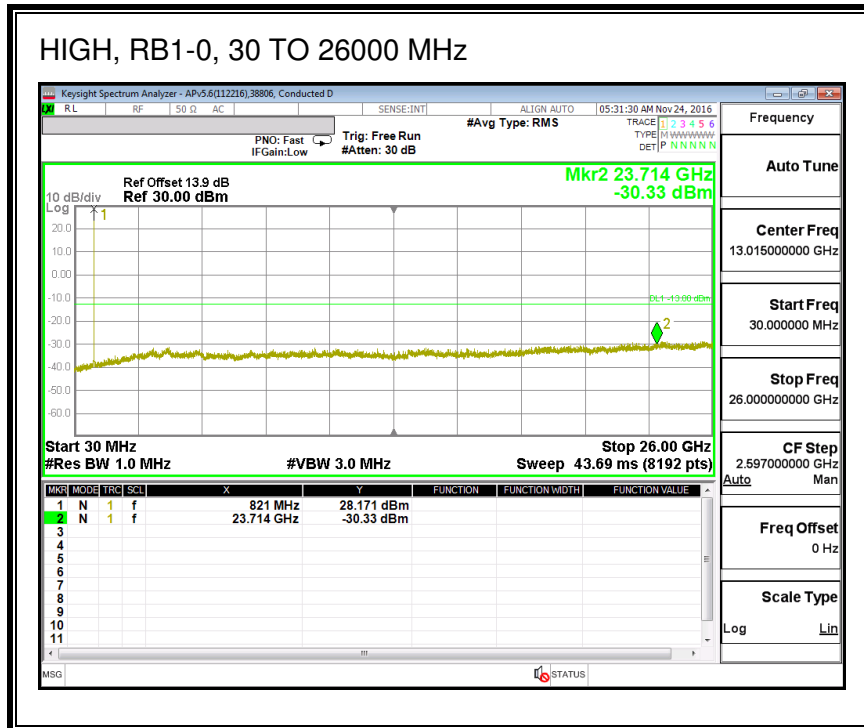
16QAM, (3.0 MHz BAND WIDTH)



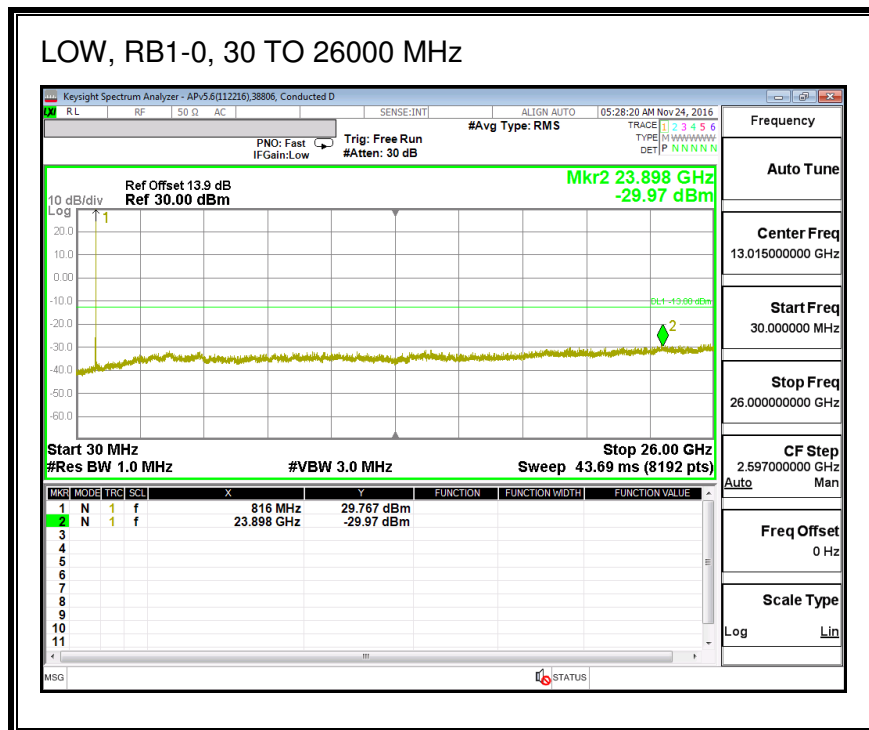


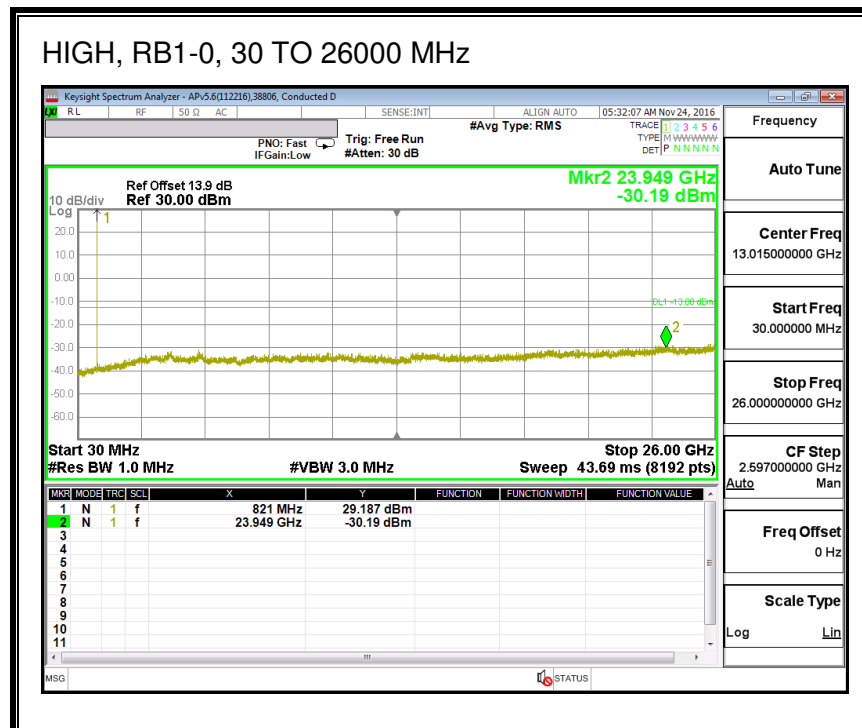
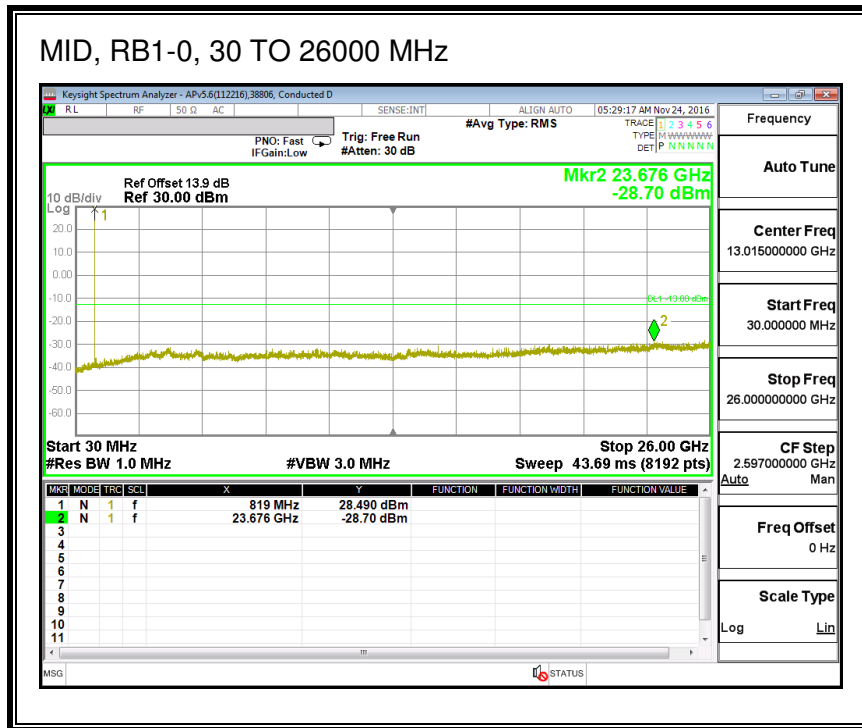
QPSK, (5.0 MHz BAND WIDTH)



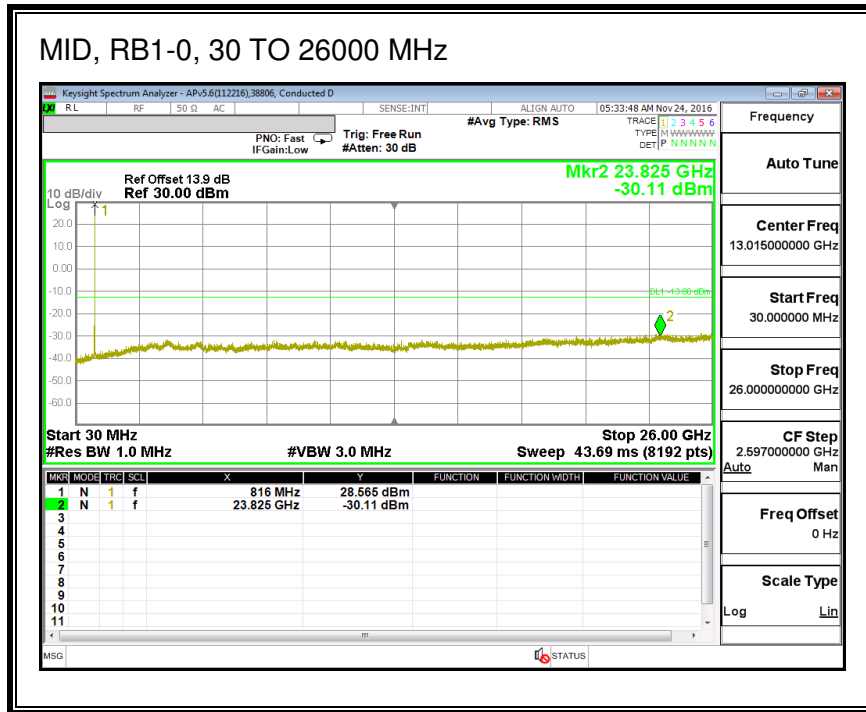


16QAM, (5.0 MHz BAND WIDTH)

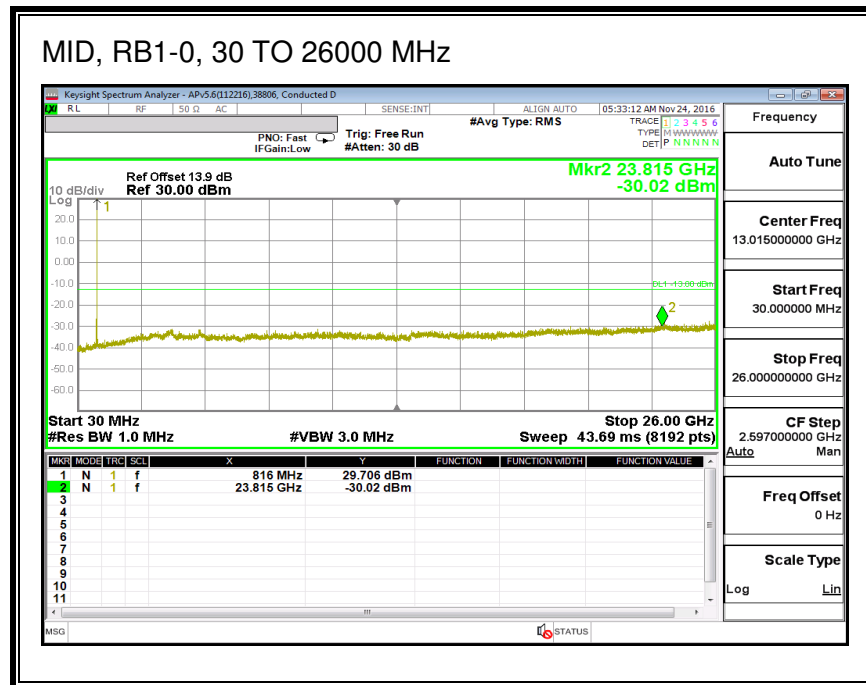




QPSK, (10.0 MHz BAND WIDTH)

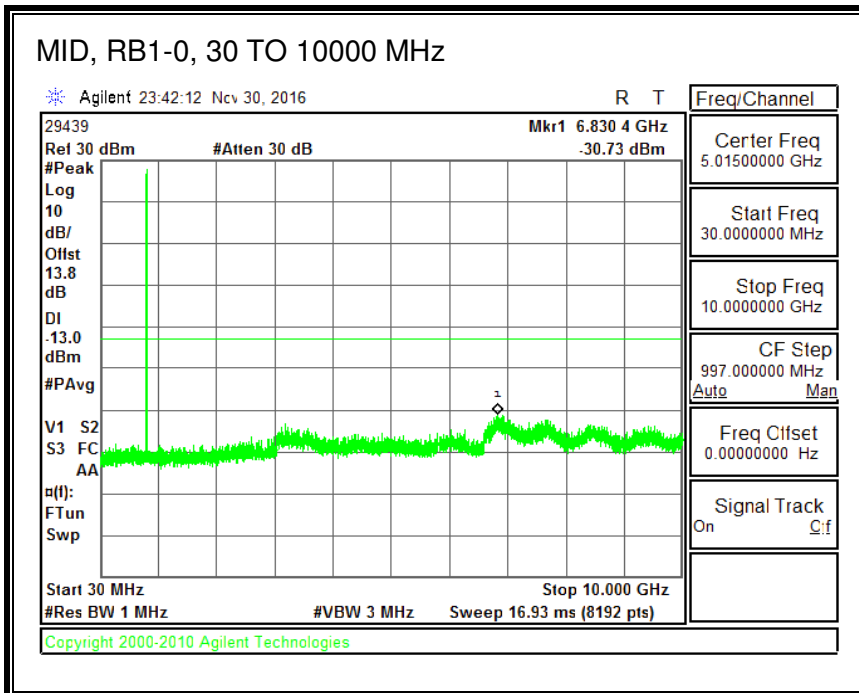
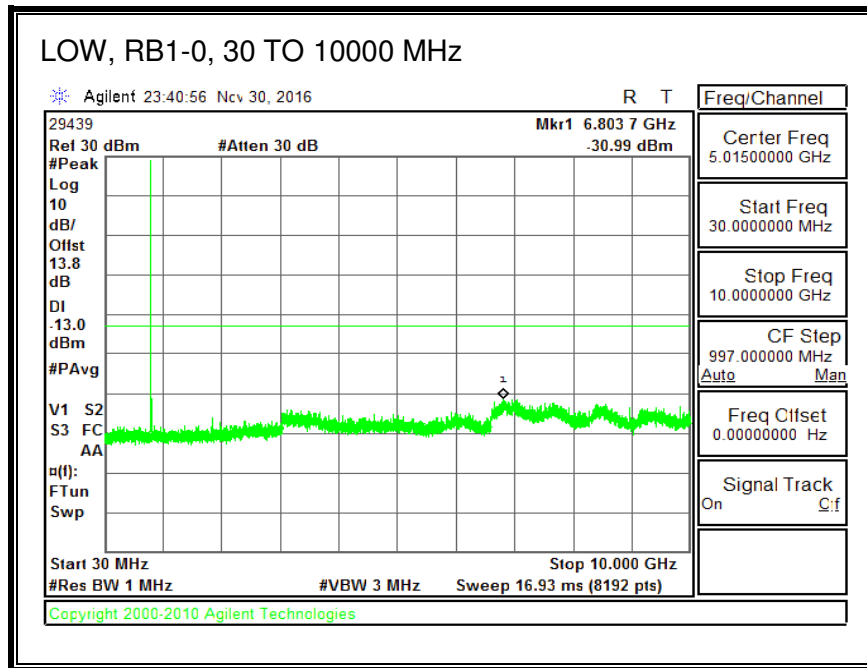


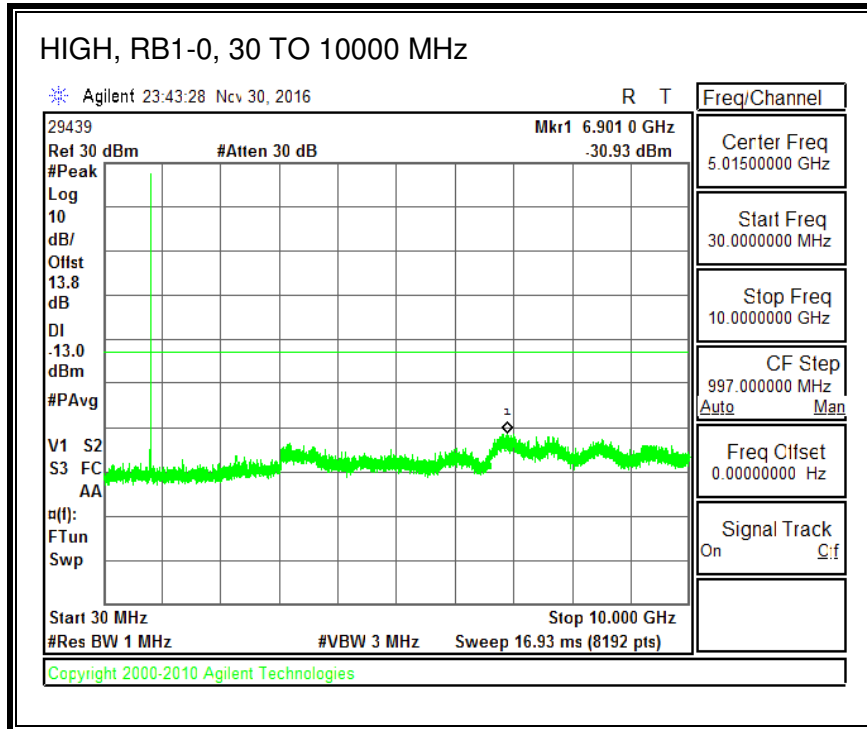
16QAM, (10.0 MHz BAND WIDTH)



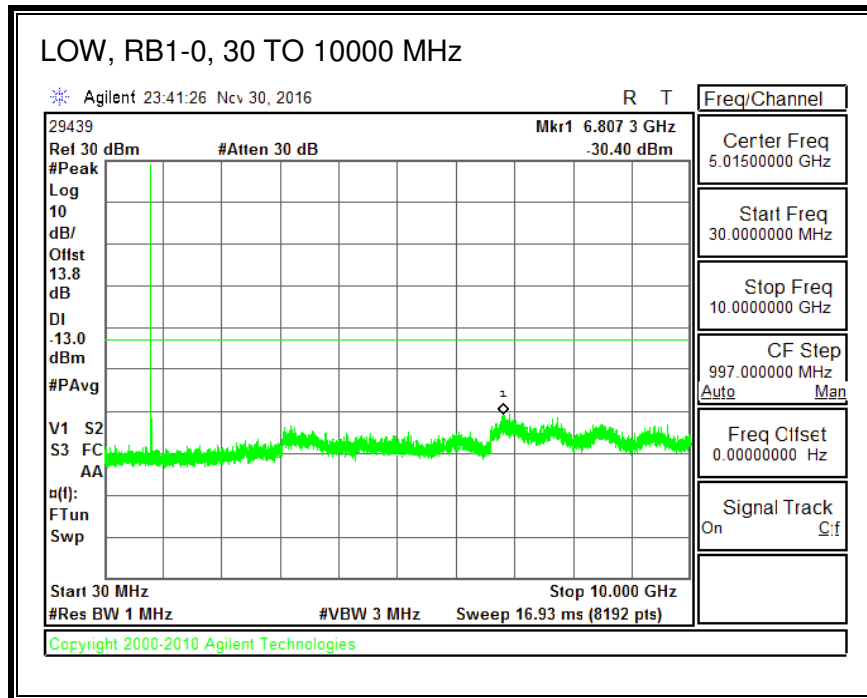
8.3.10. LTE BAND 27

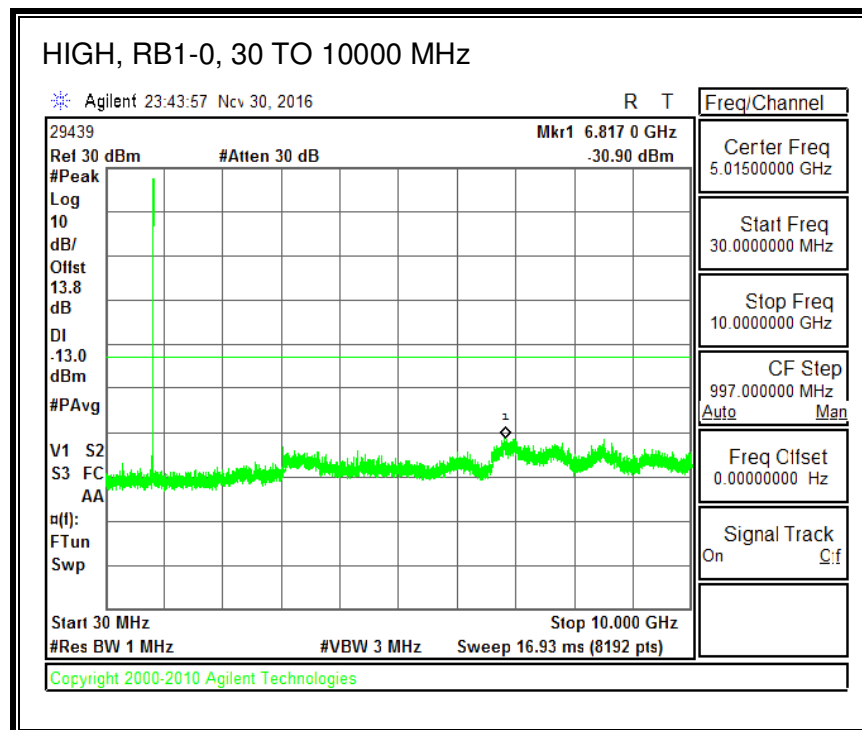
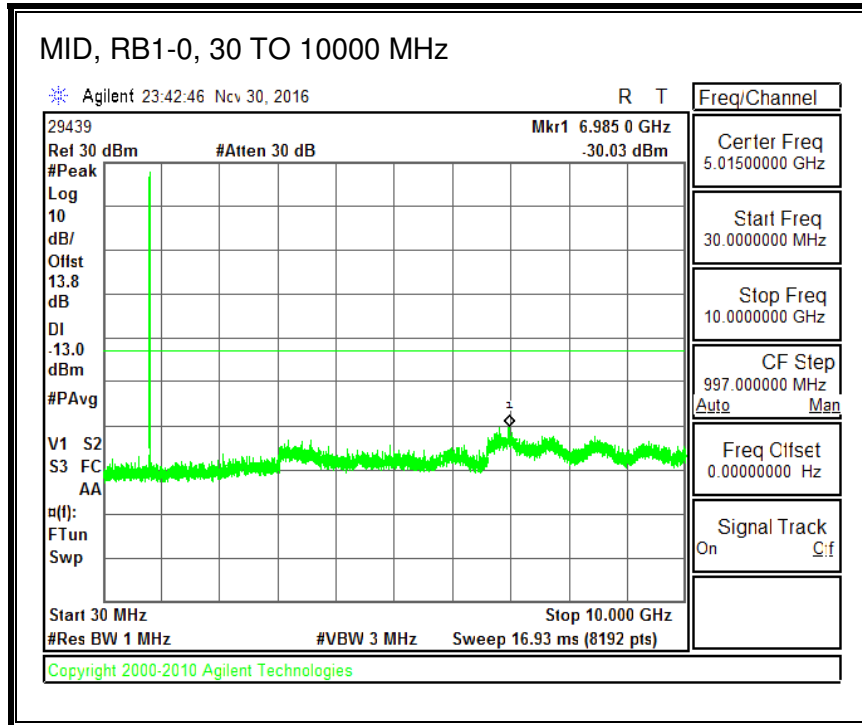
QPSK, (1.4 MHz BAND WIDTH)



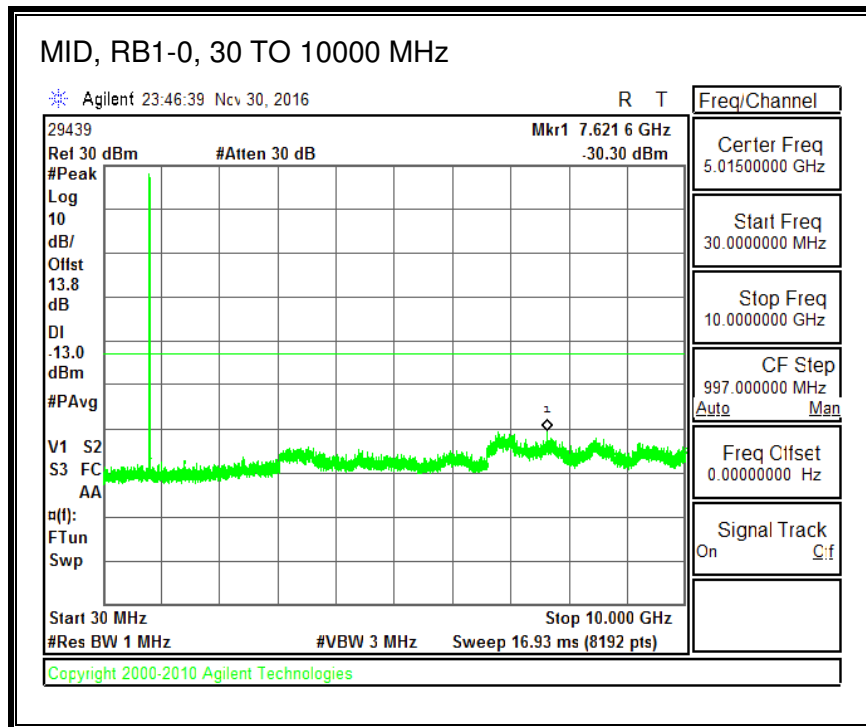
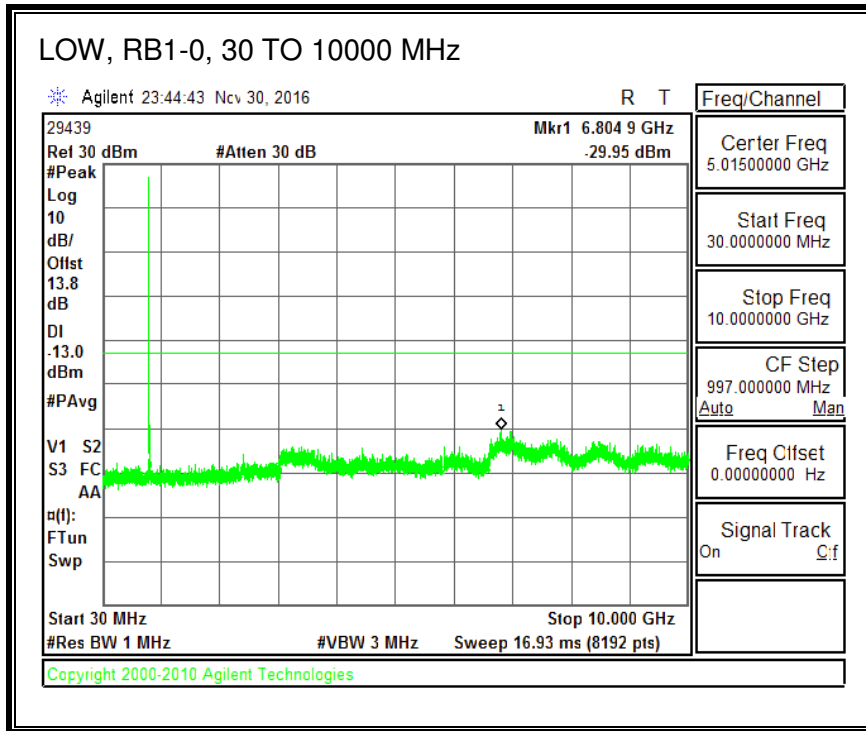


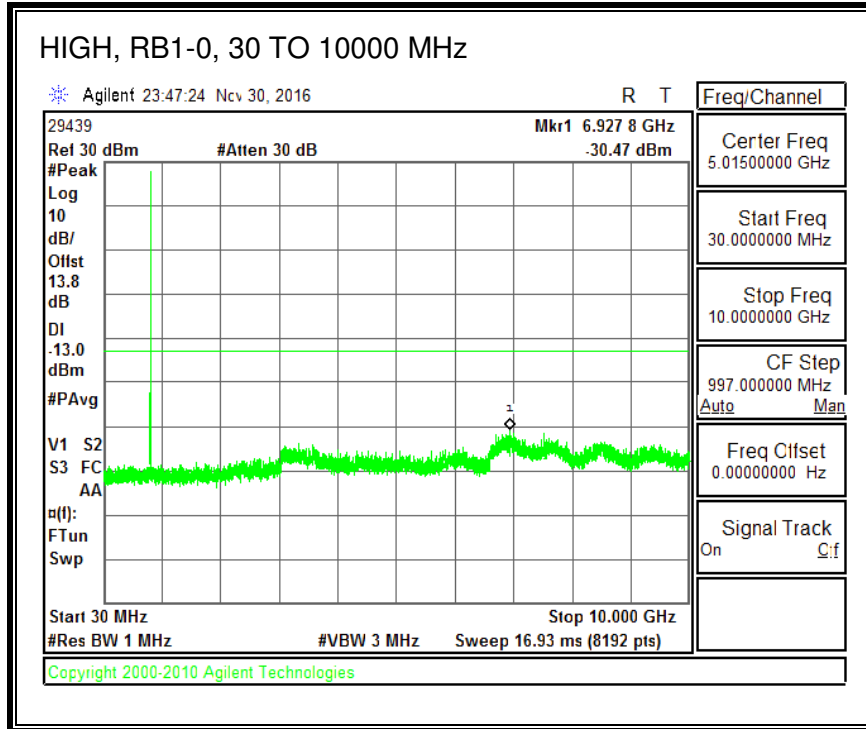
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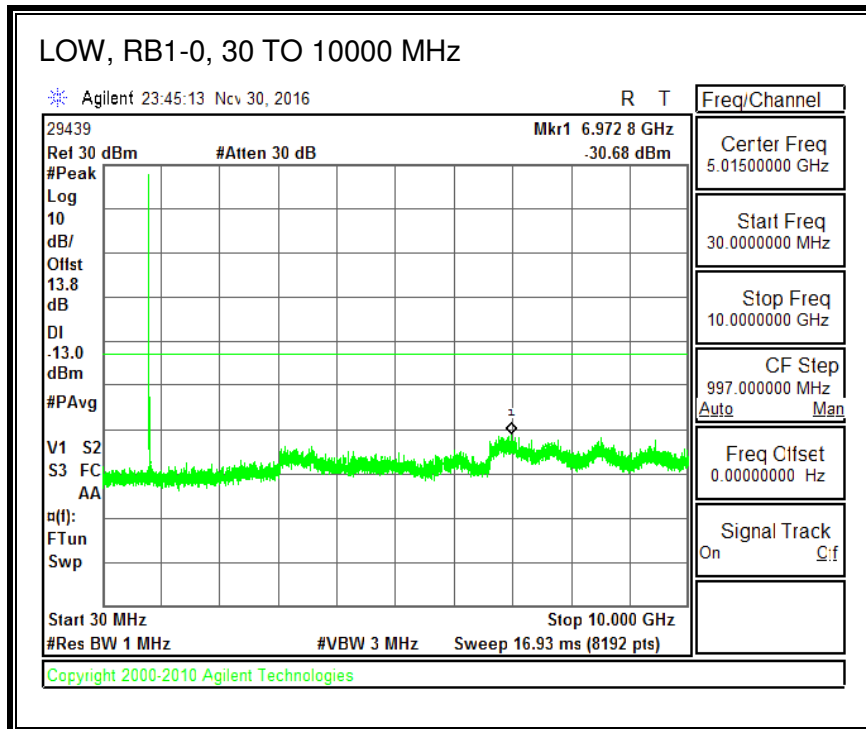


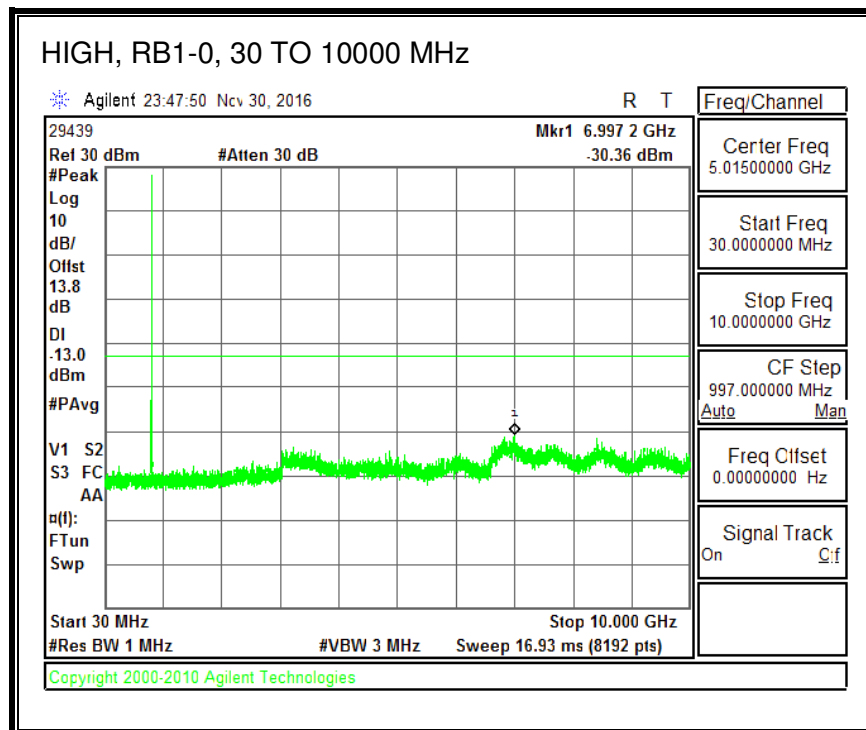
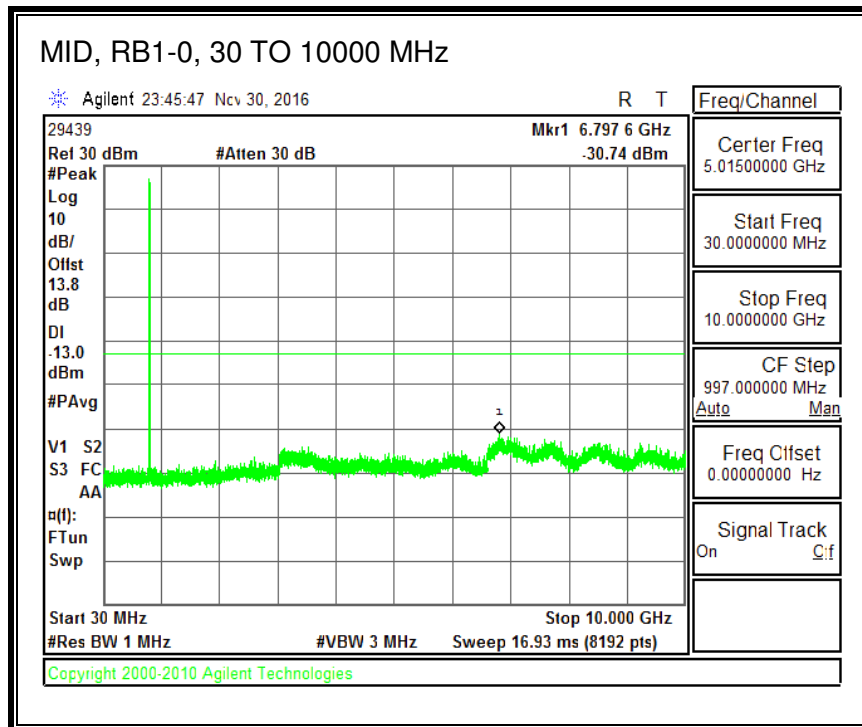
QPSK, (3.0 MHz BAND WIDTH)



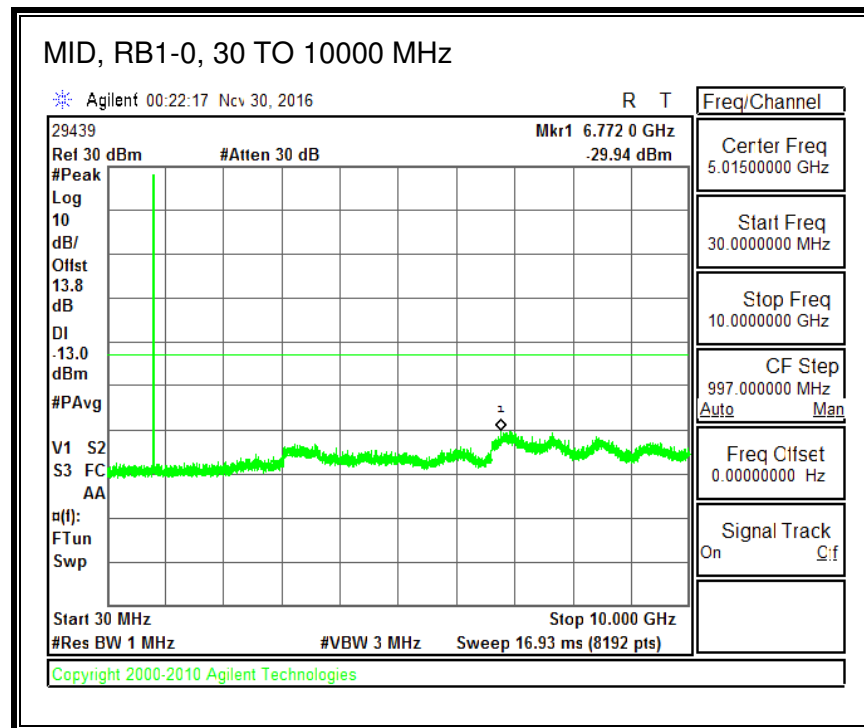
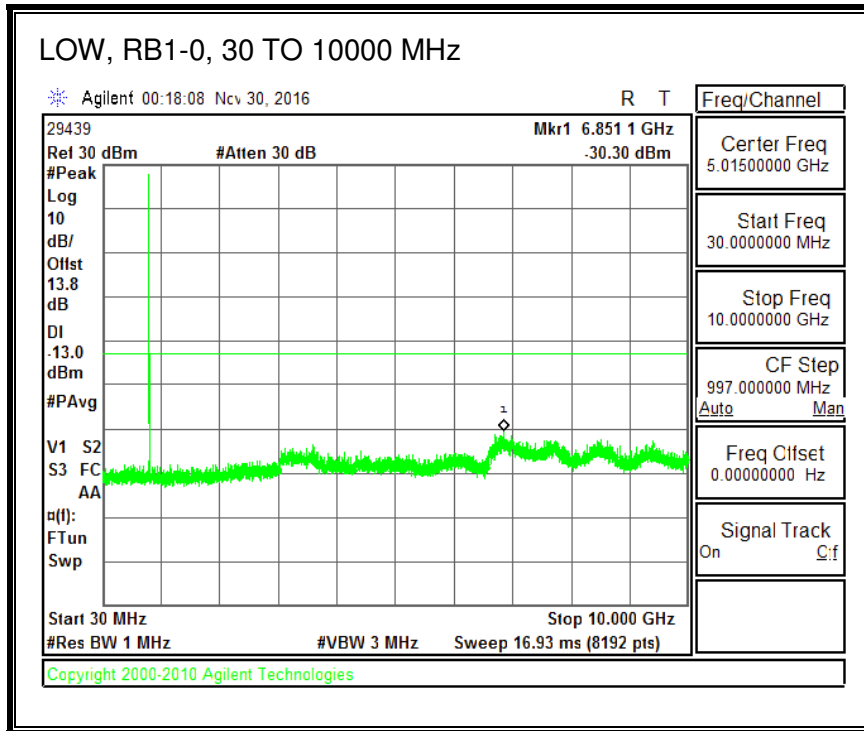


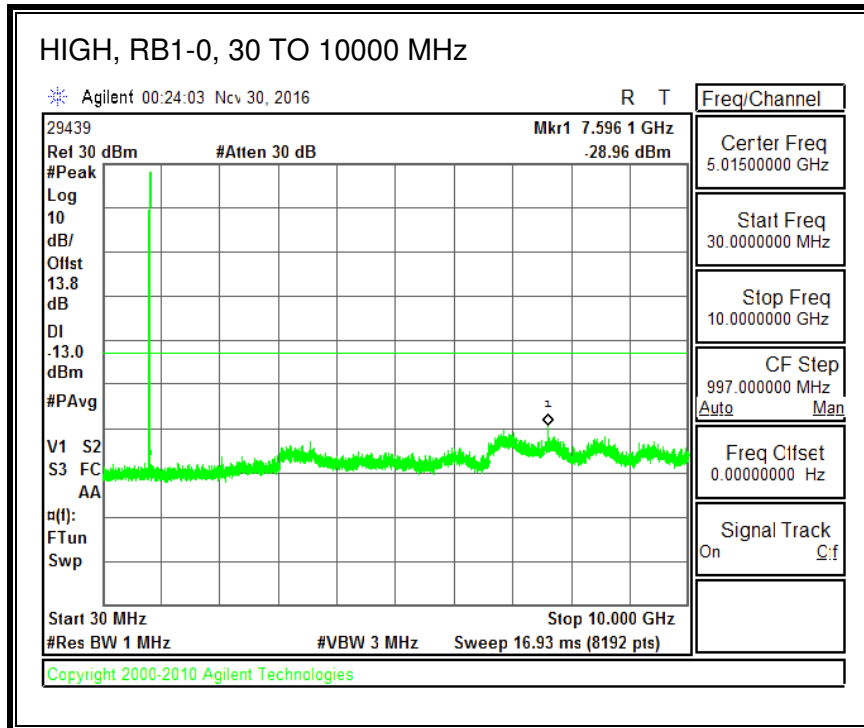
16QAM, (3.0 MHz BAND WIDTH)



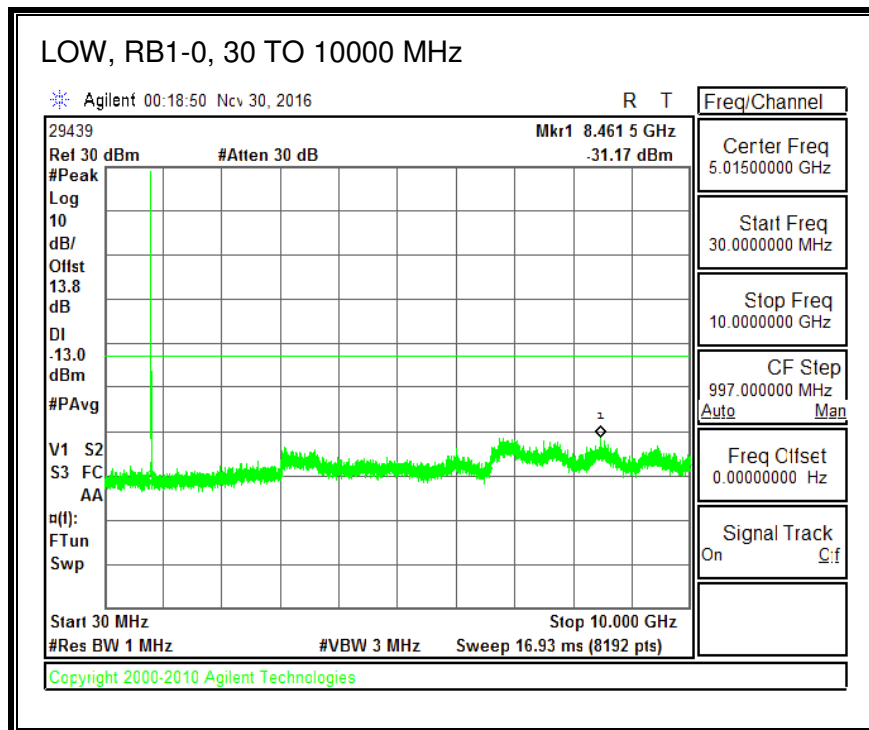


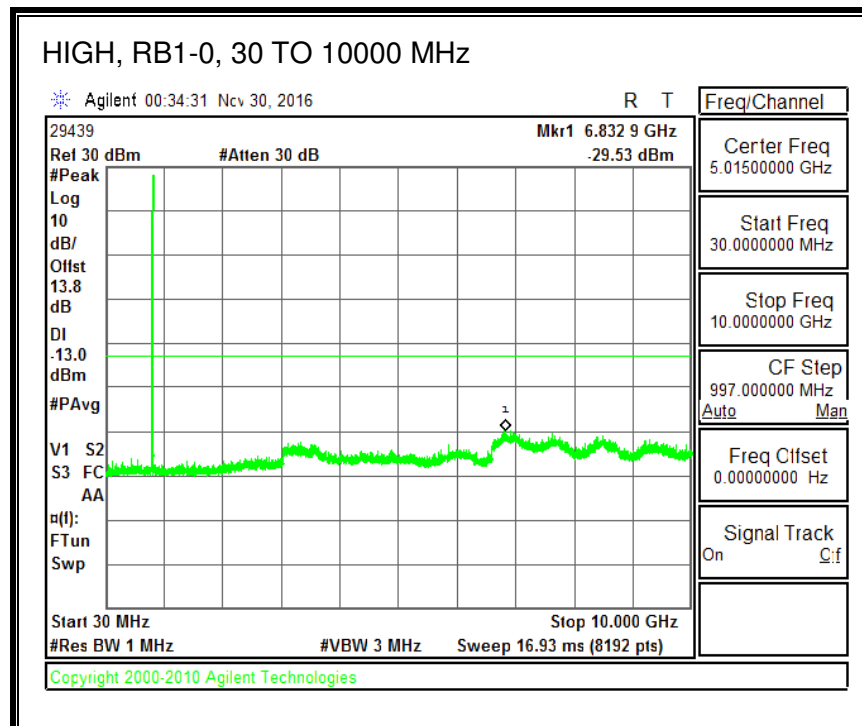
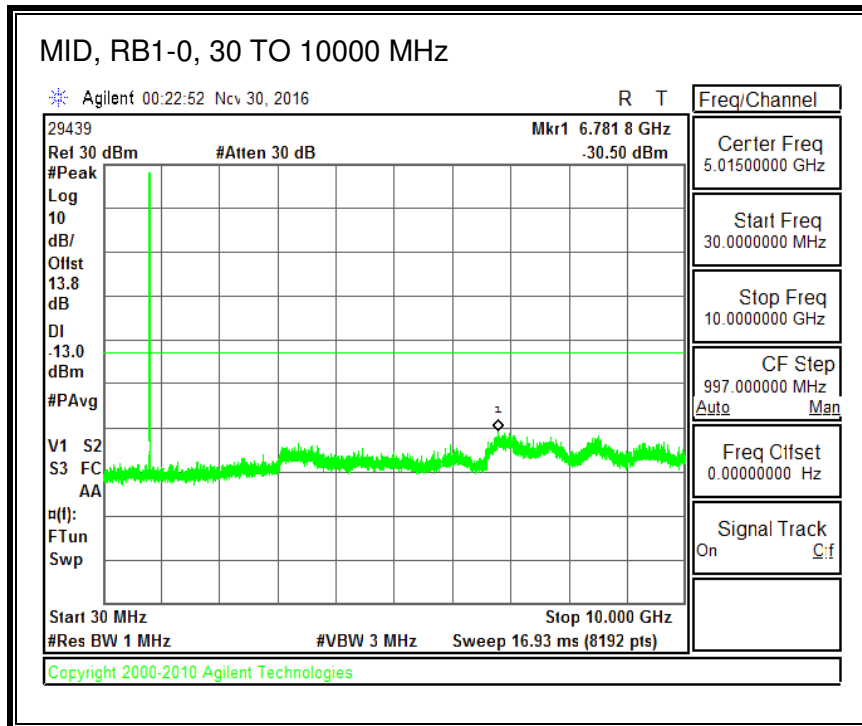
QPSK, (5.0 MHz BAND WIDTH)



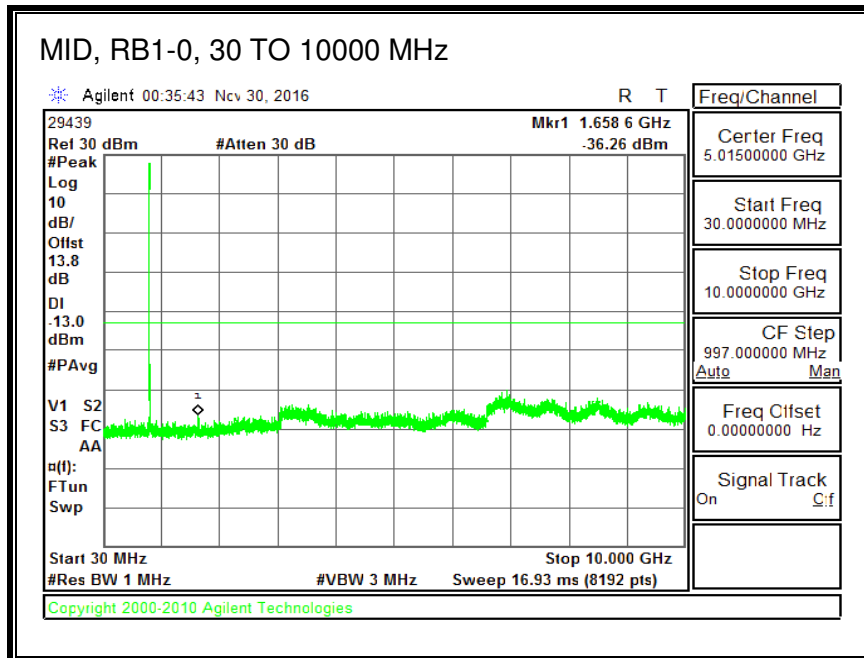


16QAM, (5.0 MHz BAND WIDTH)

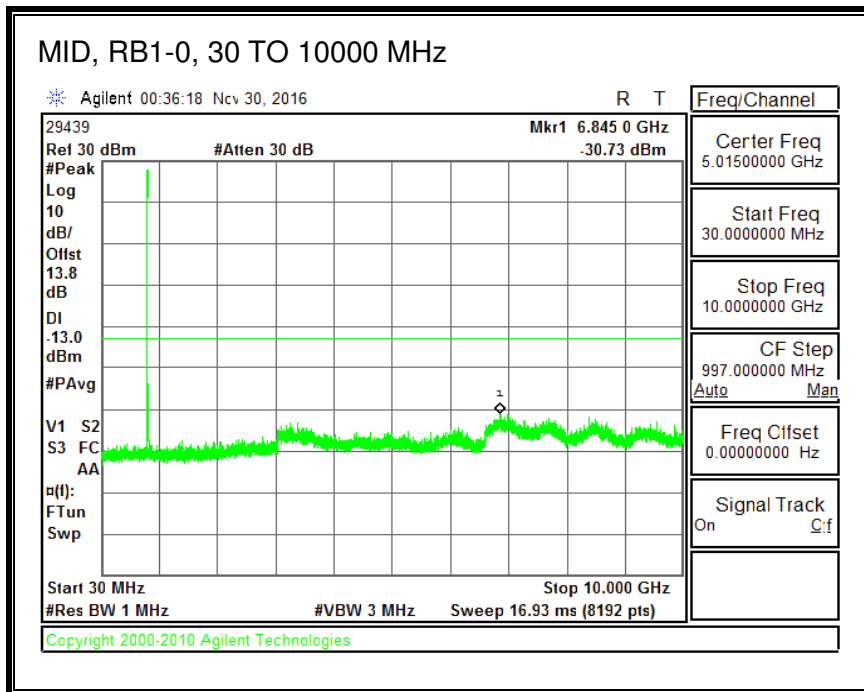




QPSK, (10.0 MHz BAND WIDTH)

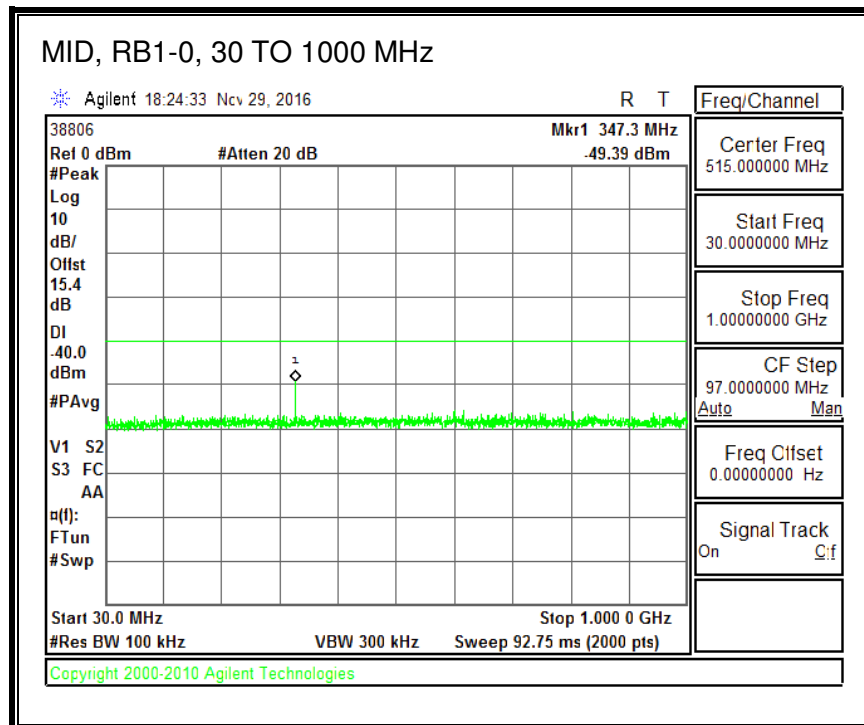
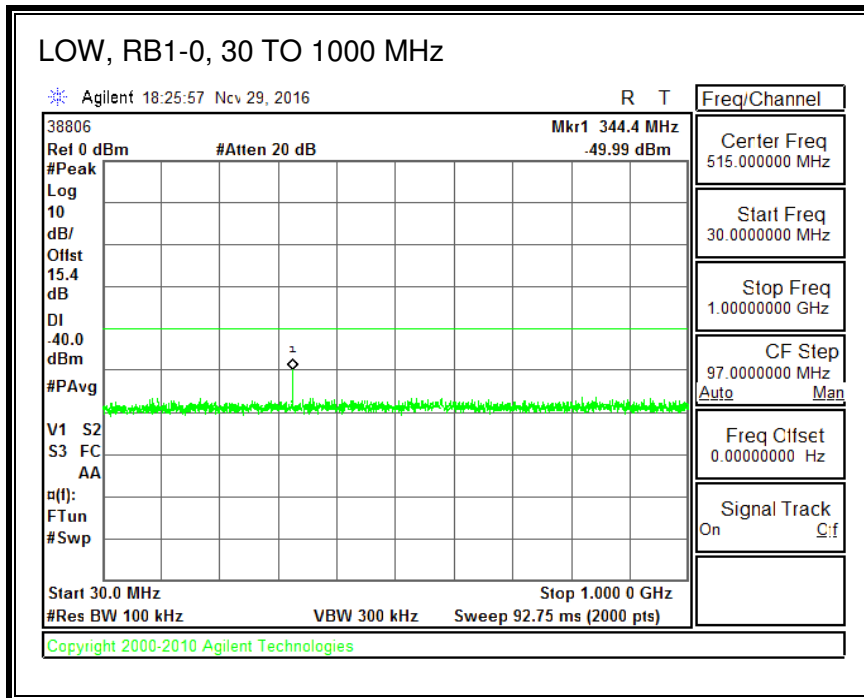


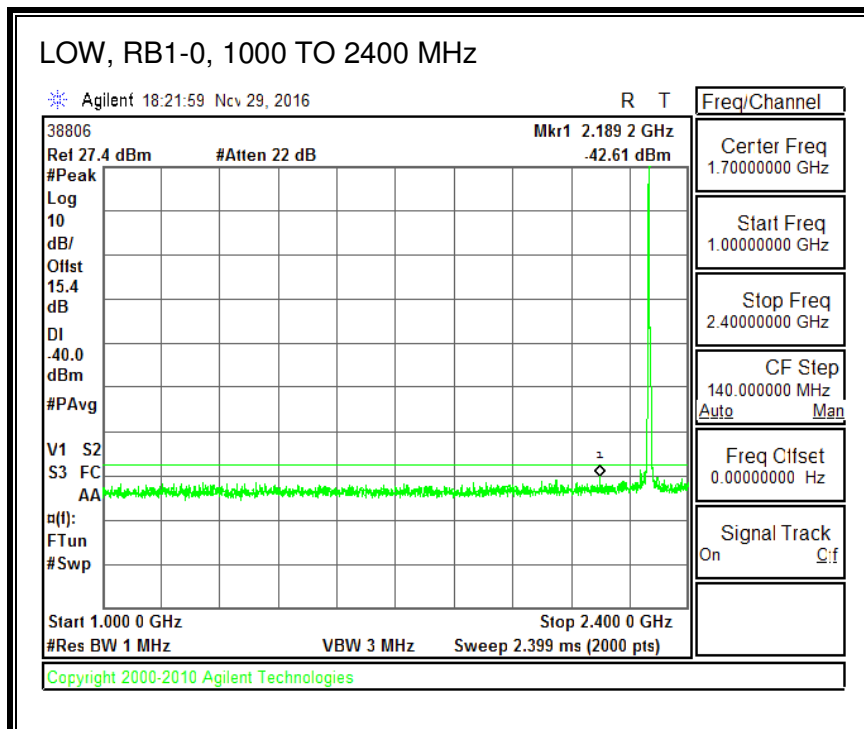
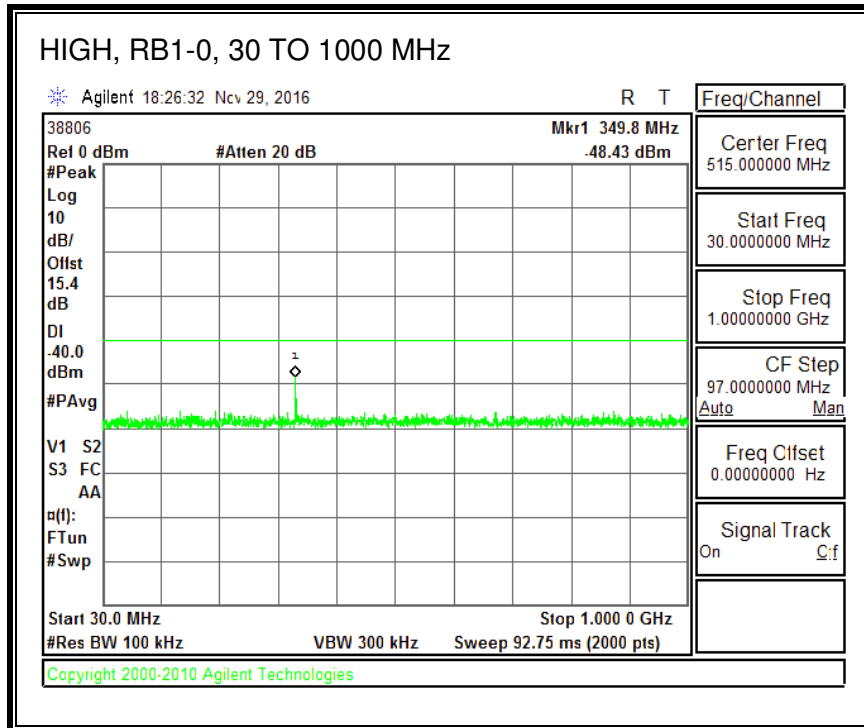
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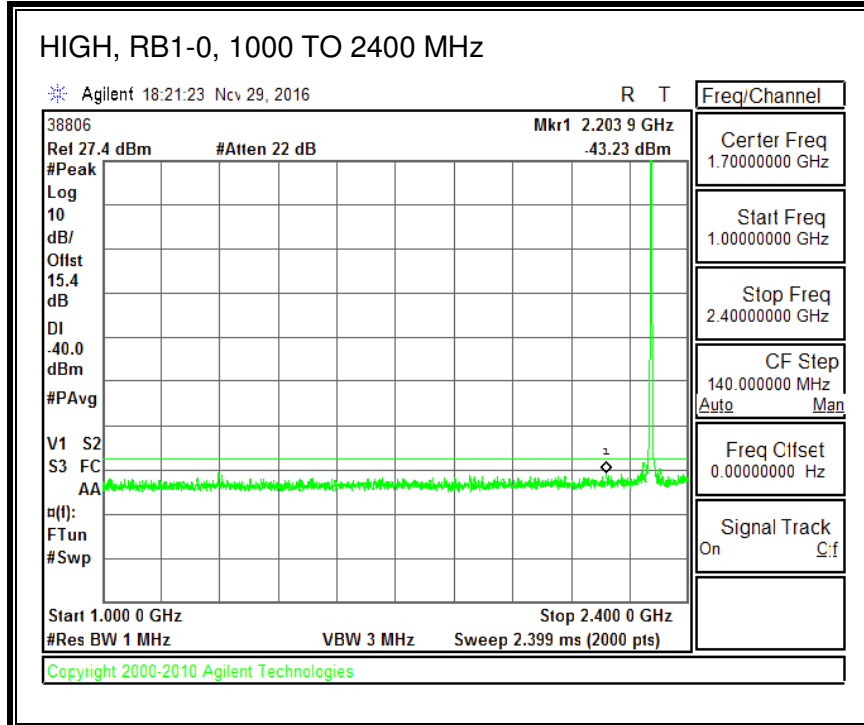
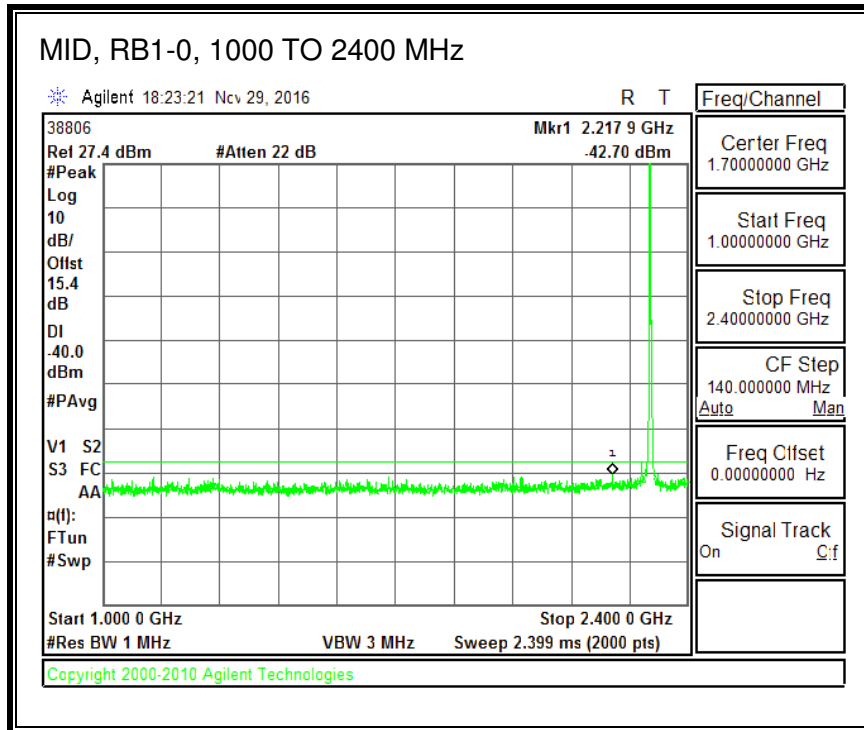


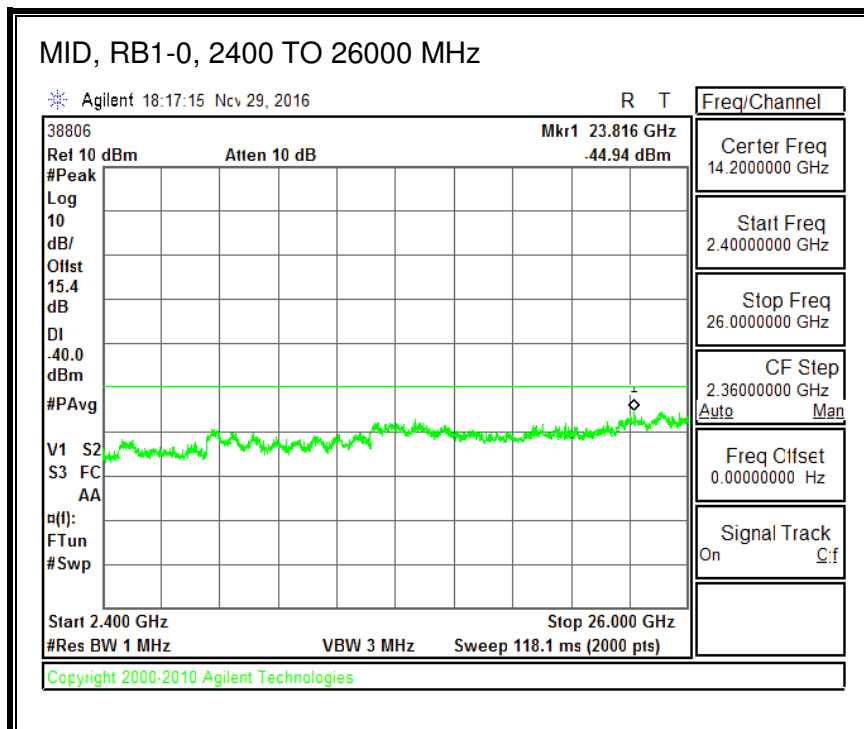
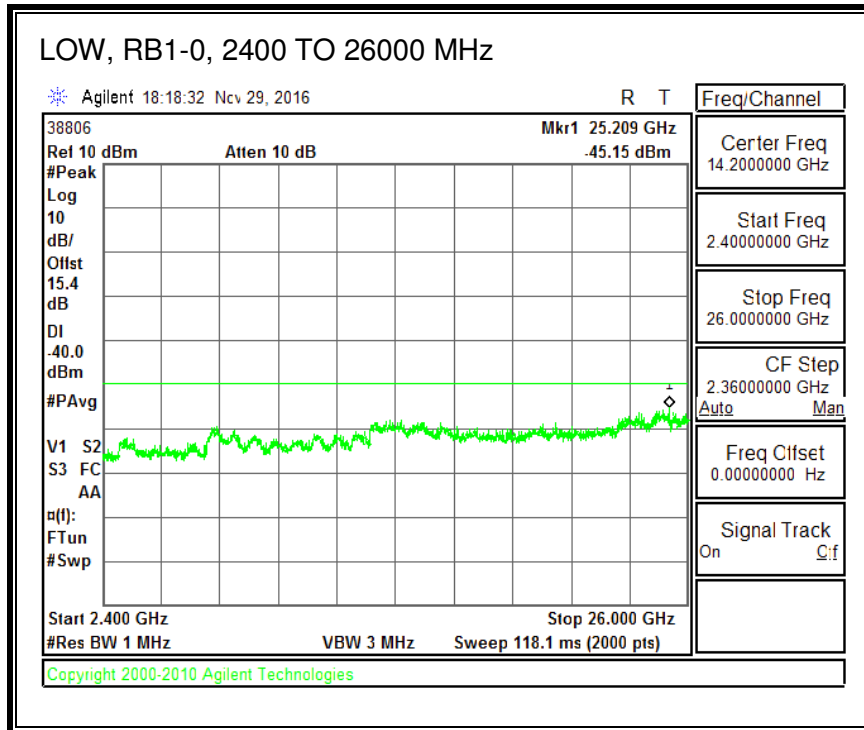
8.3.11. LTE BAND 30

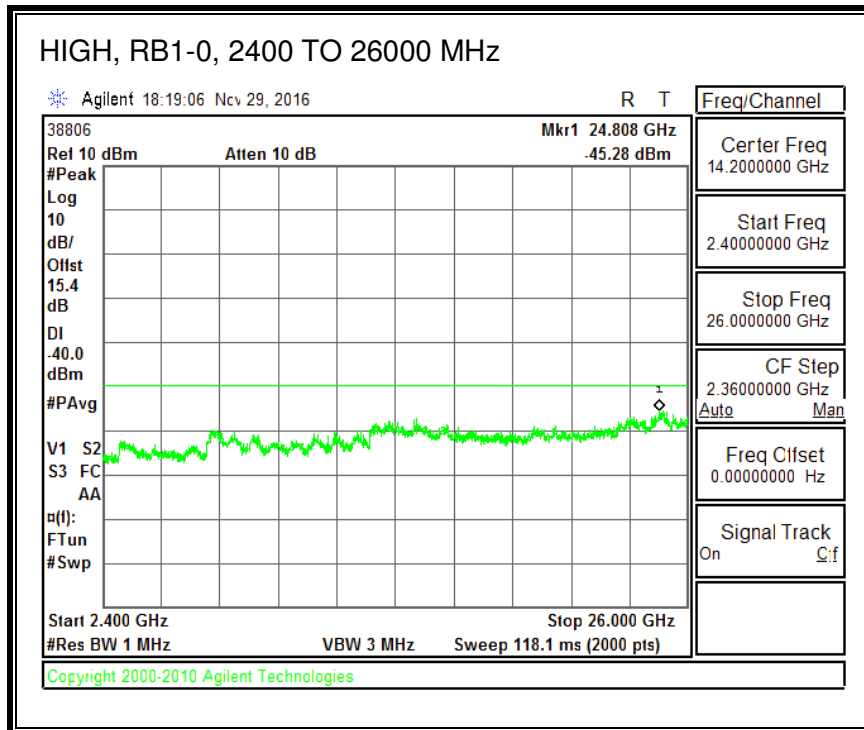
QPSK, (5.0 MHz BAND WIDTH)



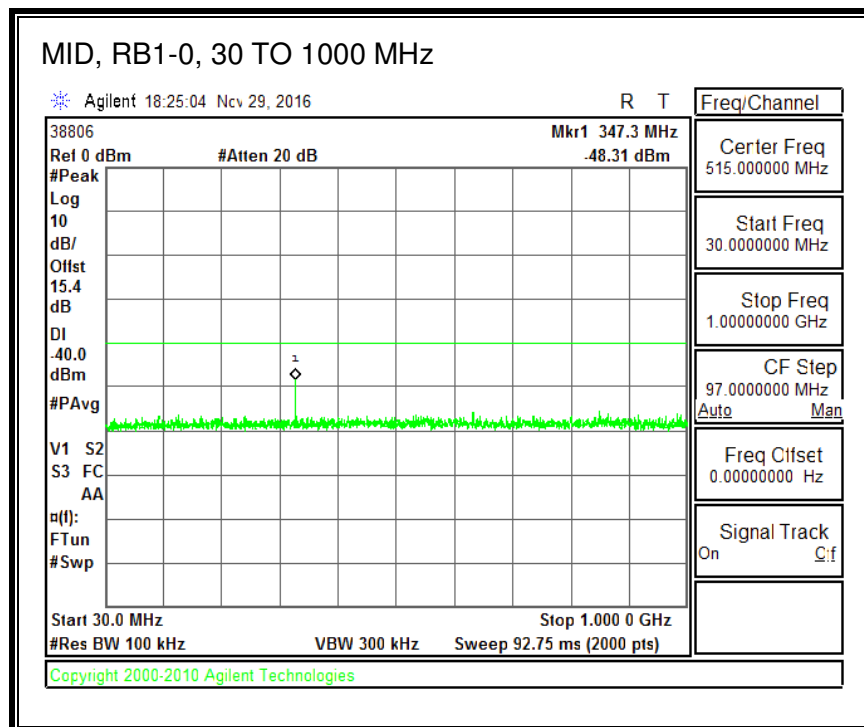
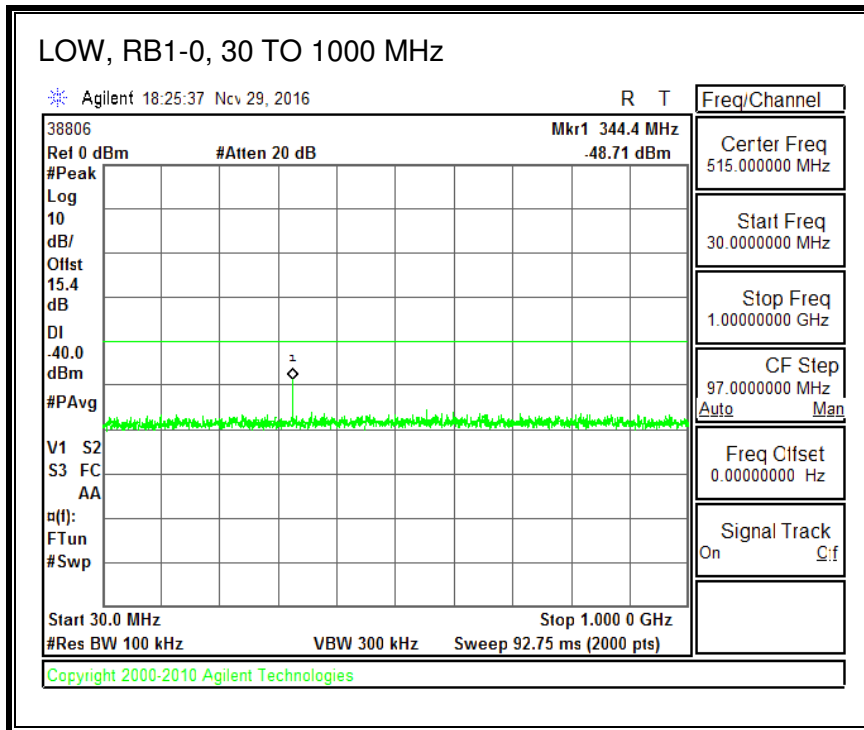


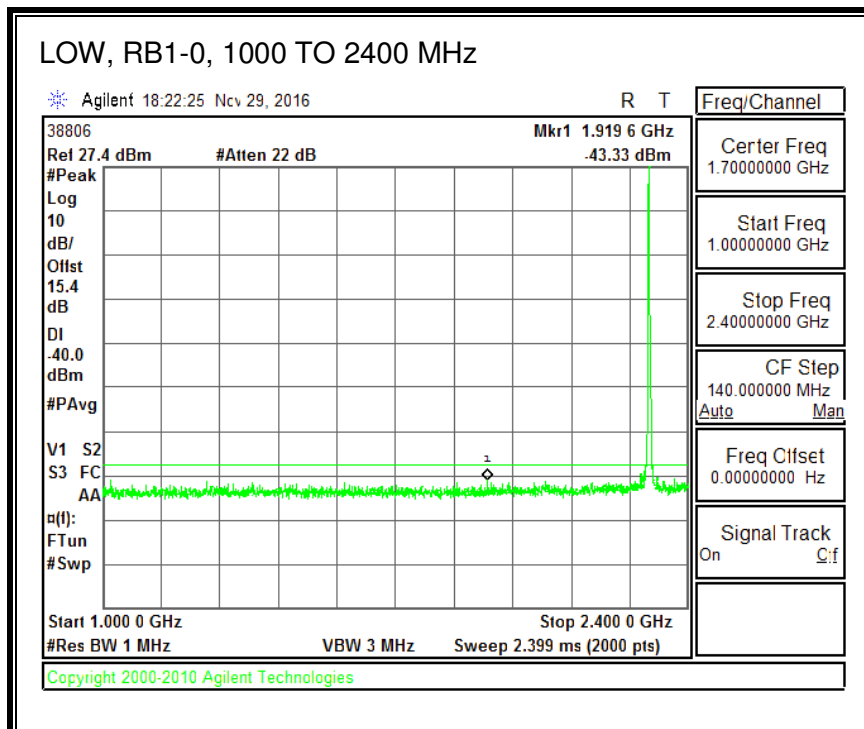
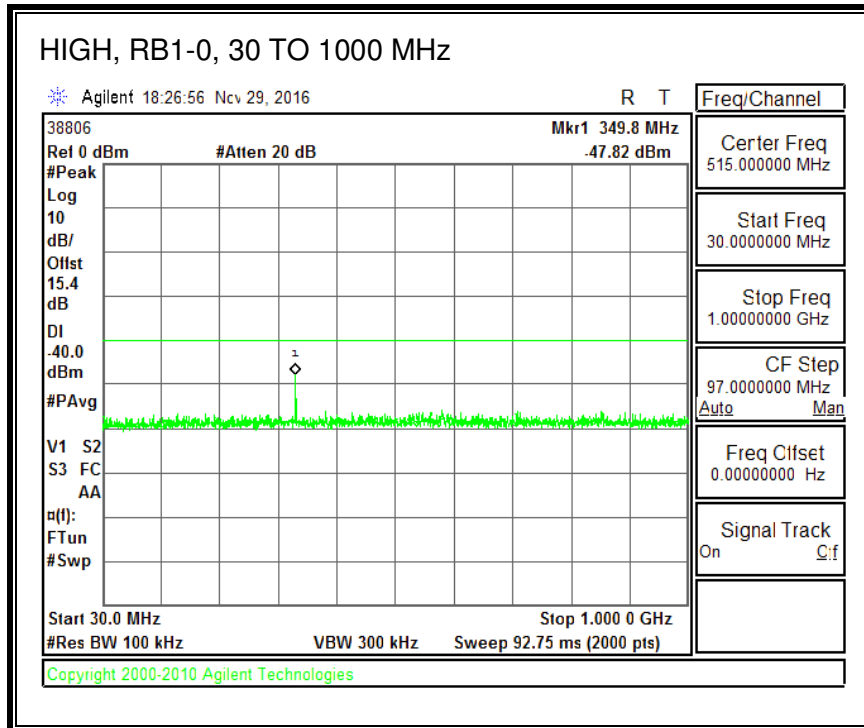


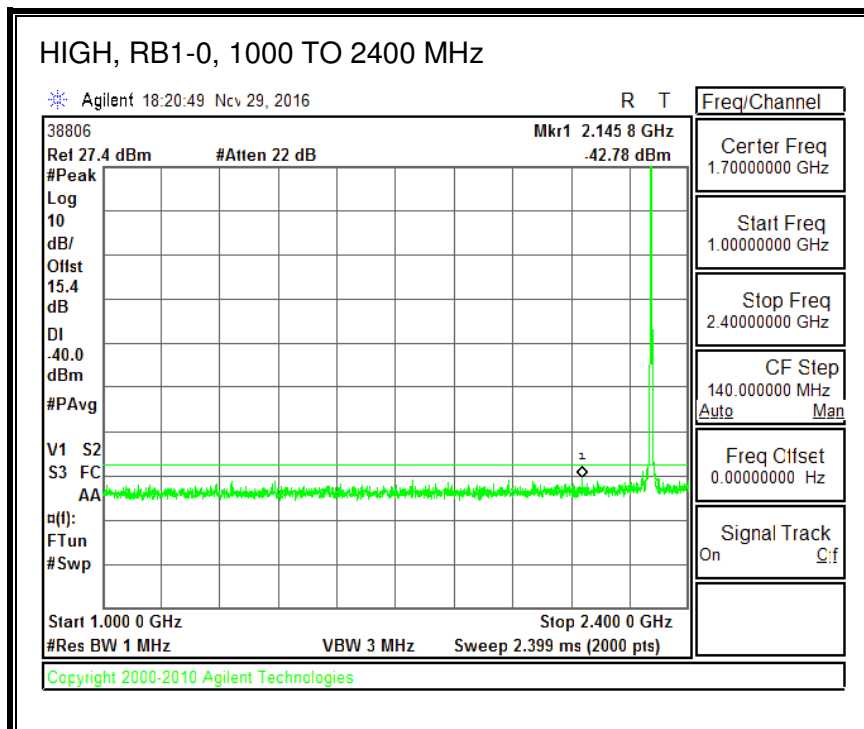
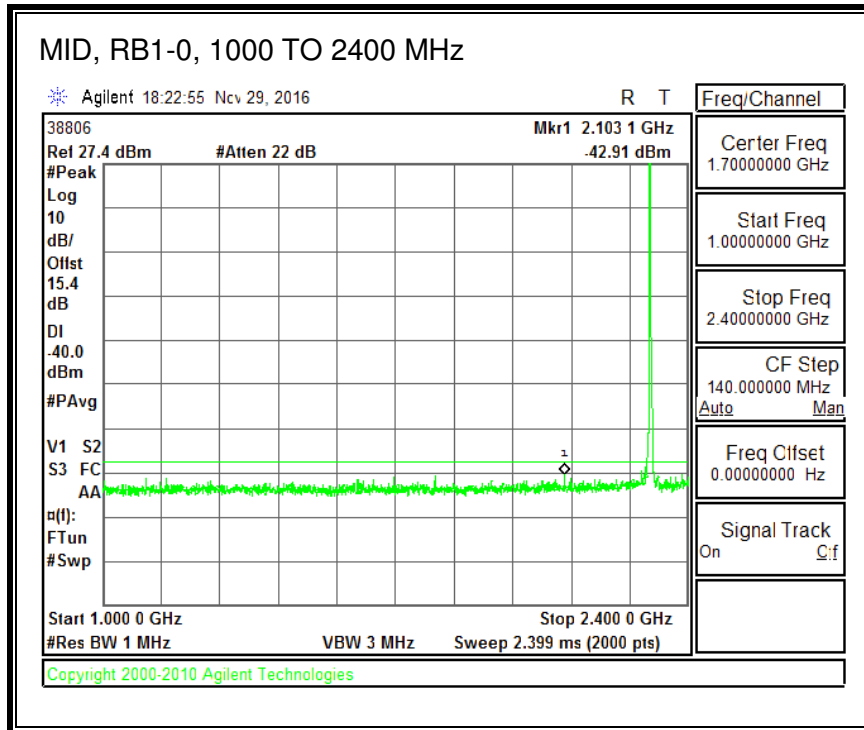


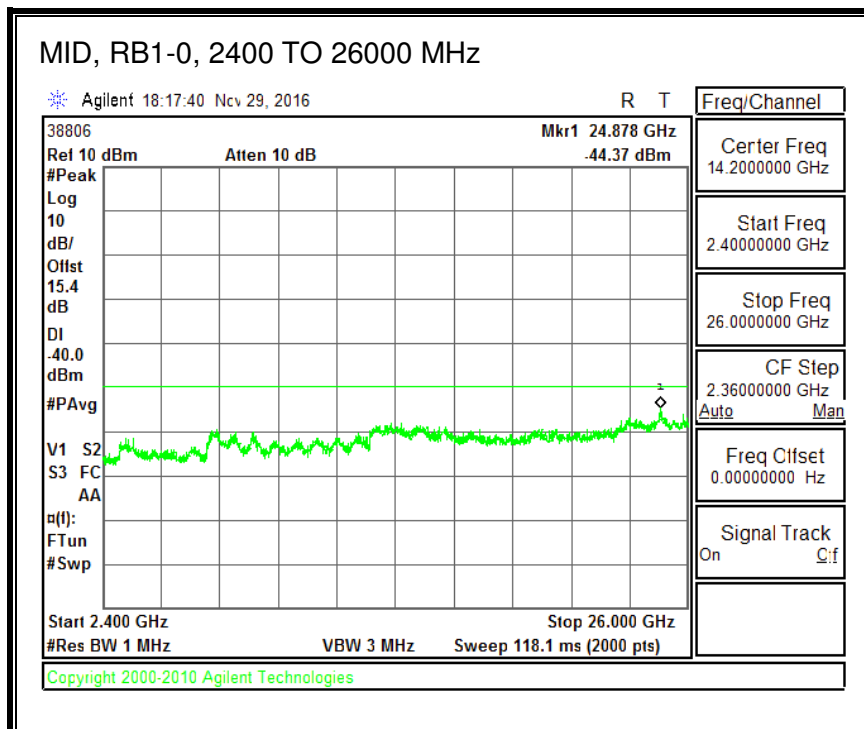
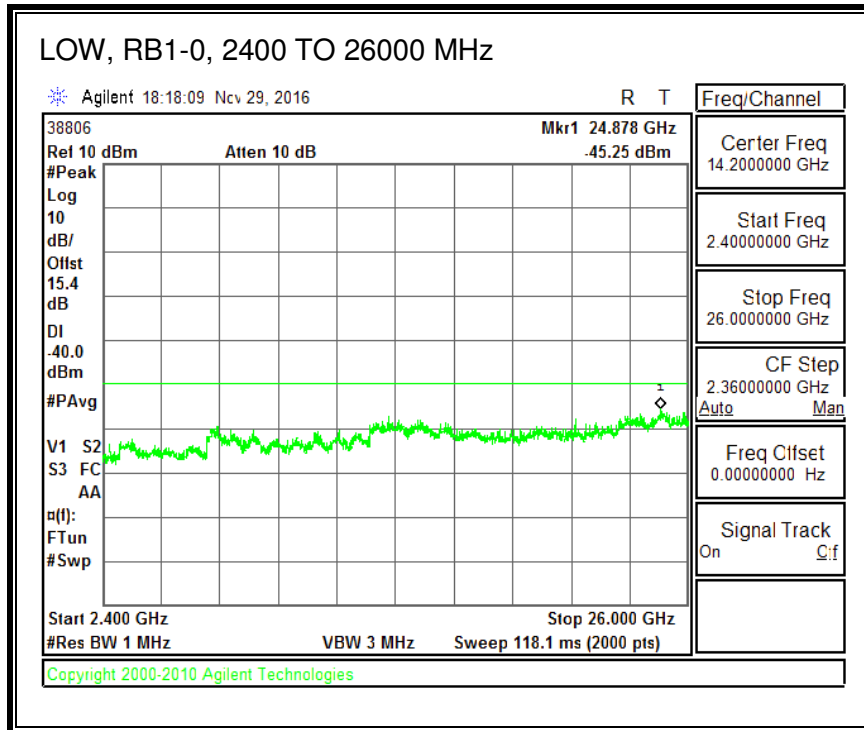


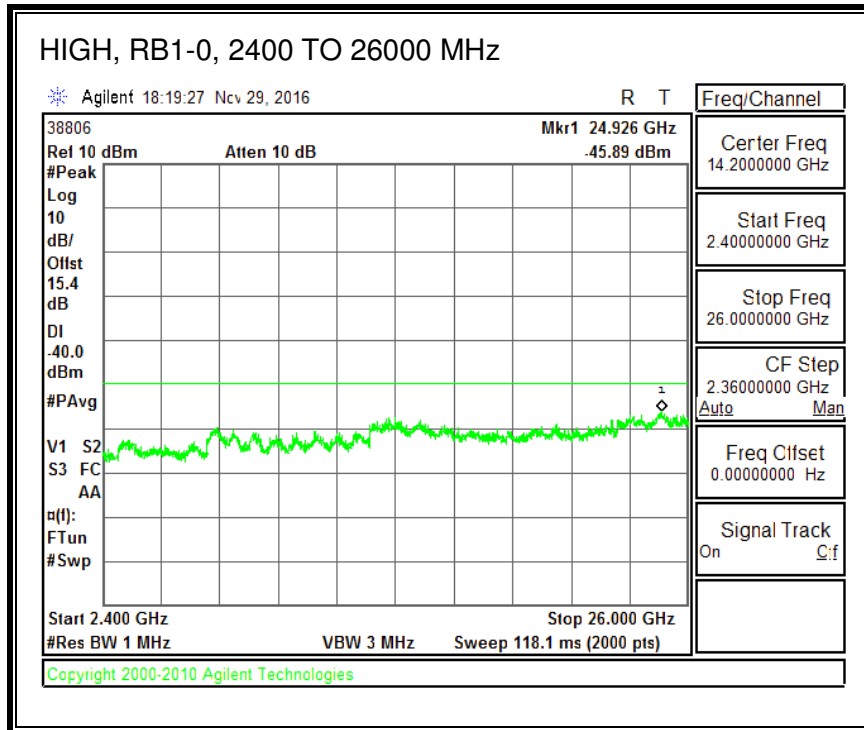
16QAM, (5.0 MHz BAND WIDTH)



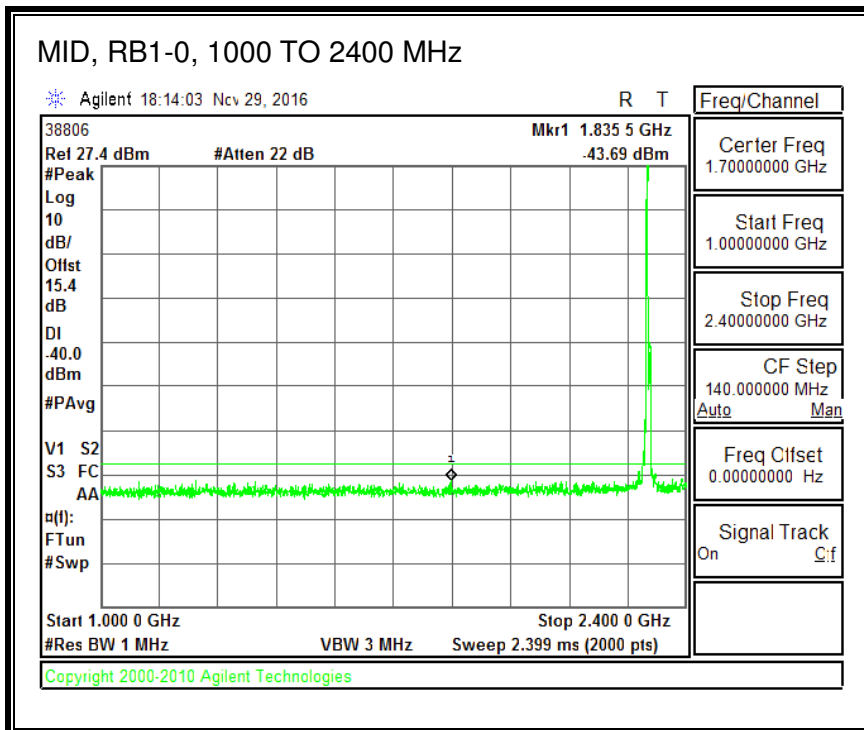
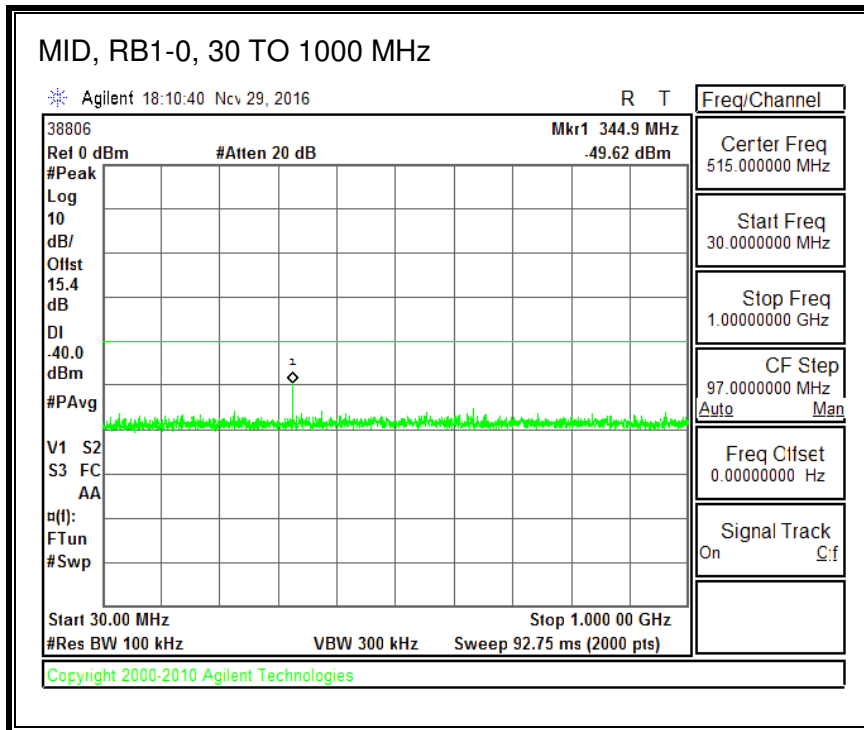


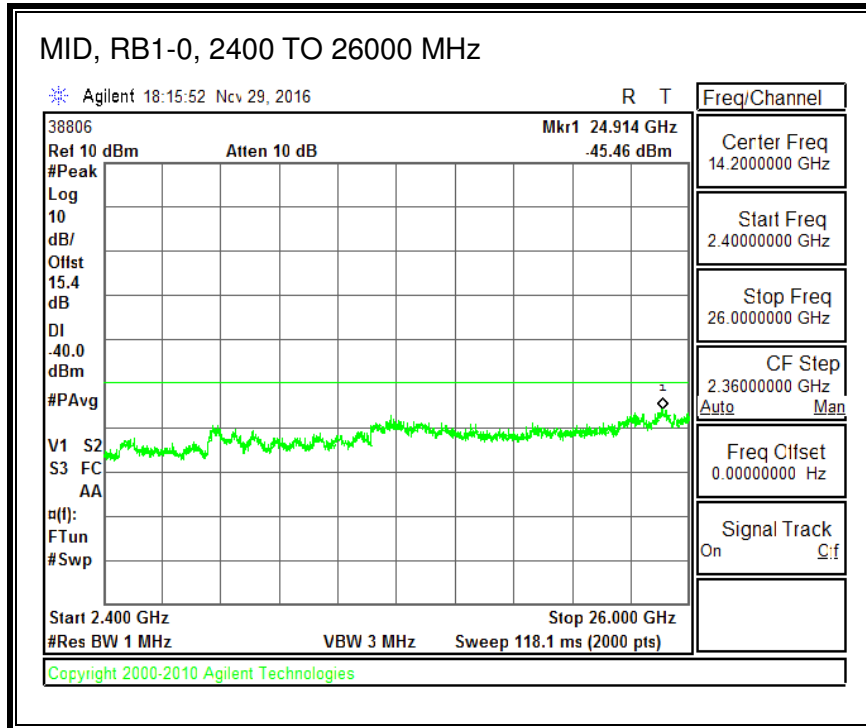




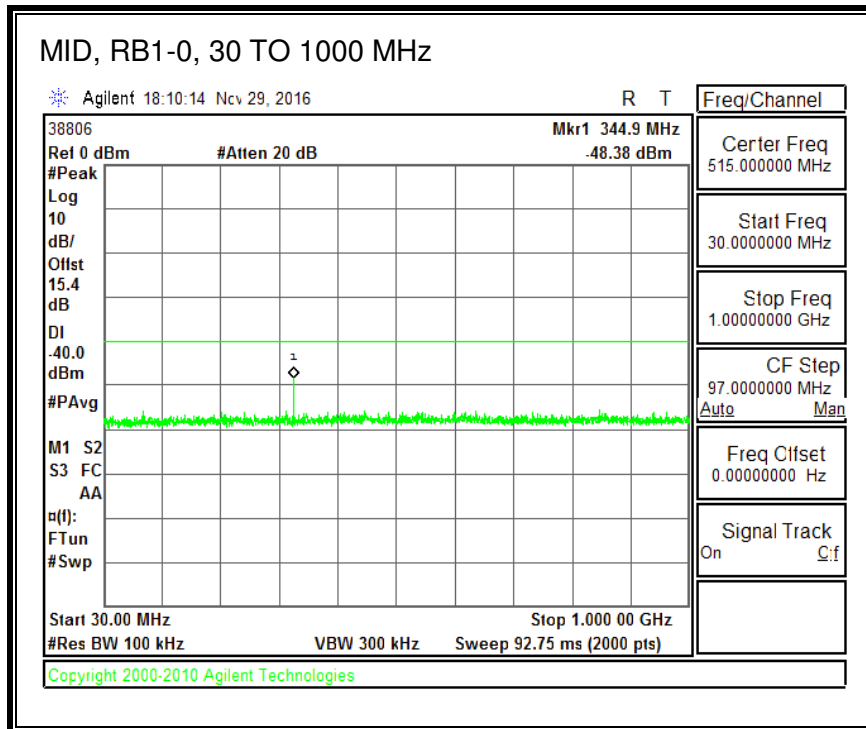


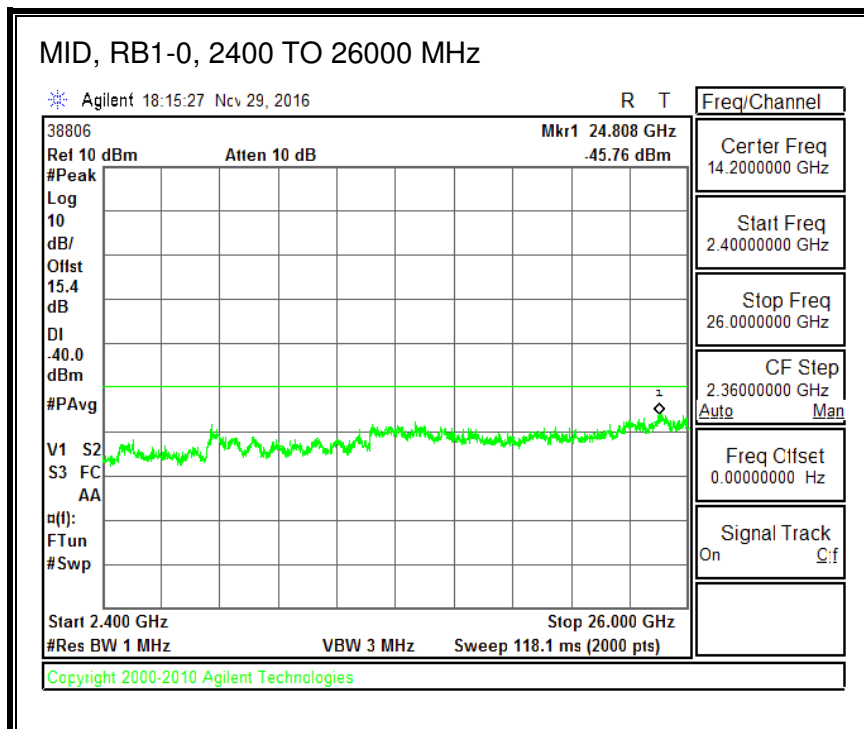
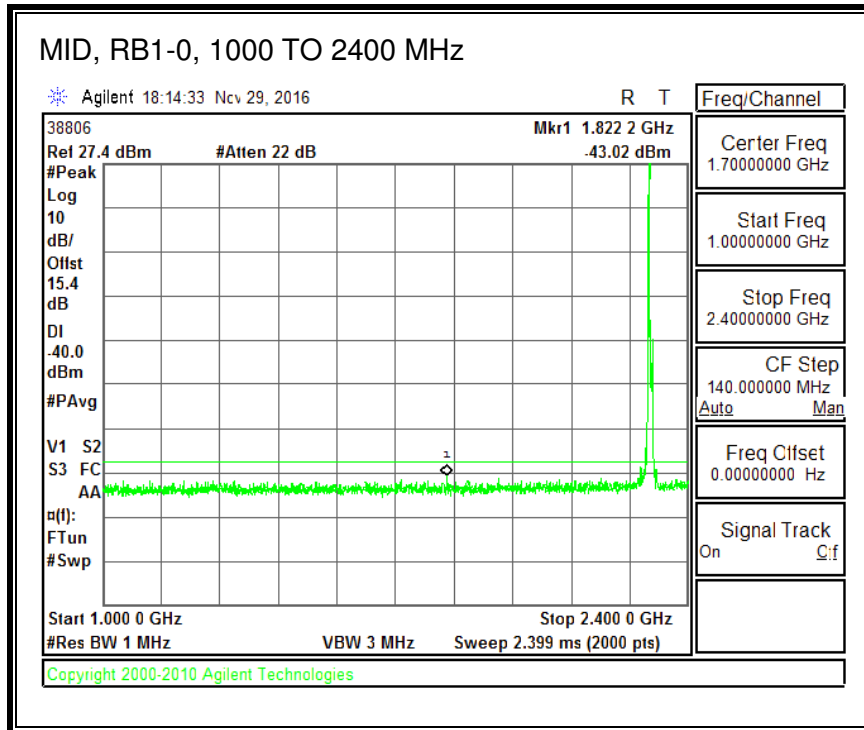
QPSK, (10.0 MHz BAND WIDTH)





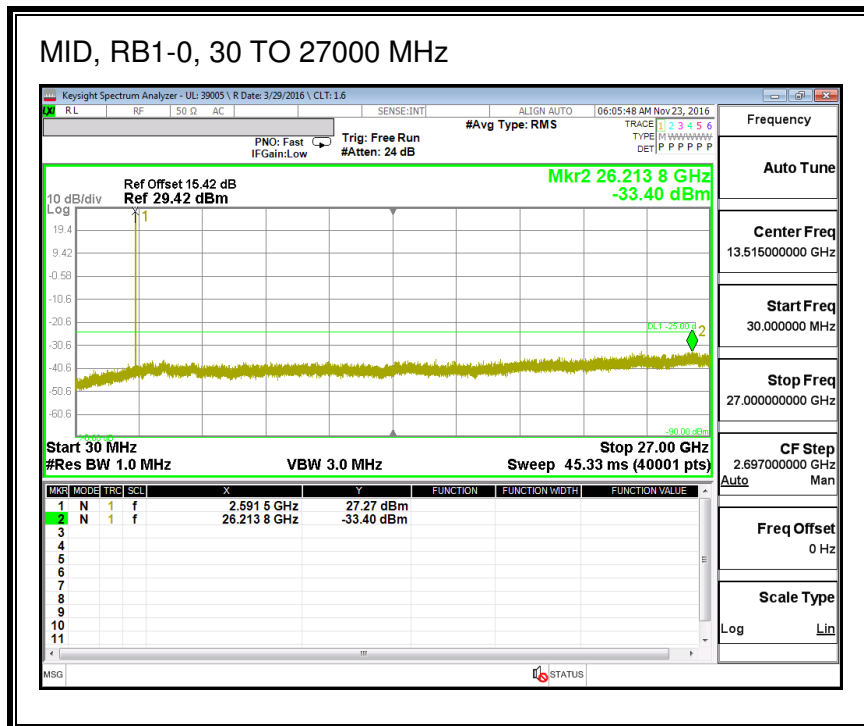
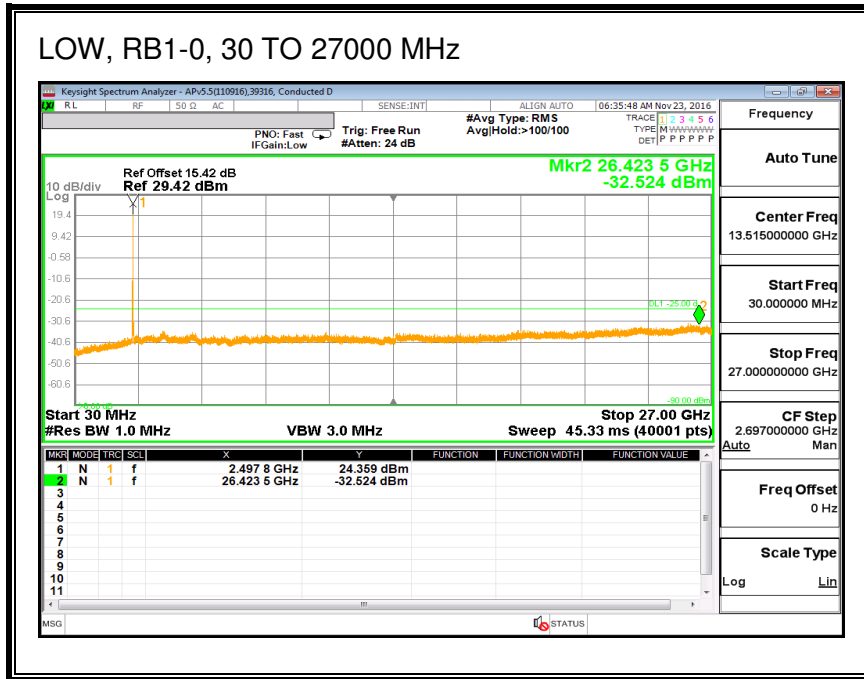
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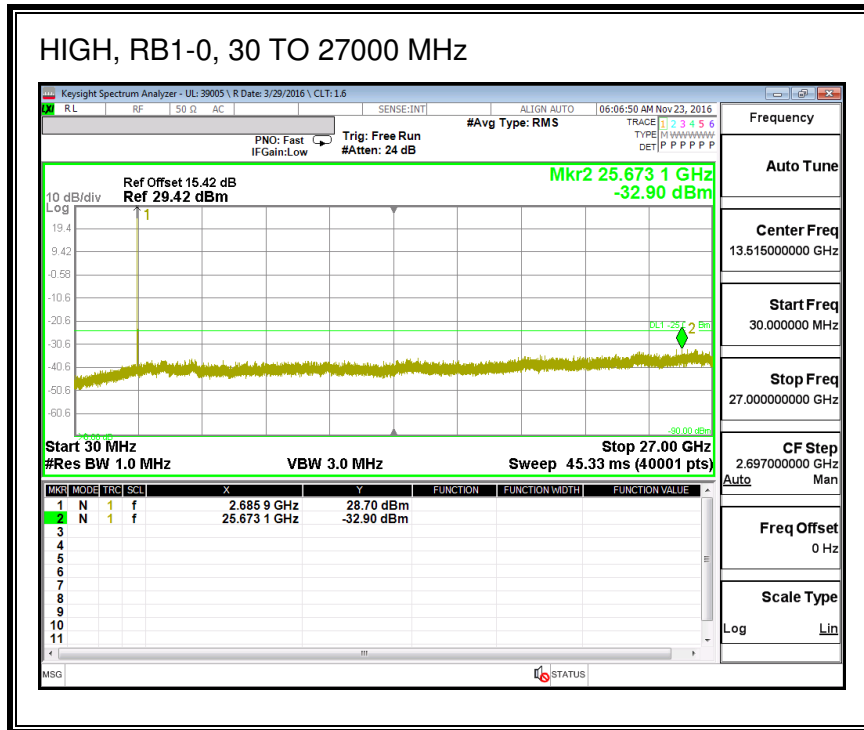




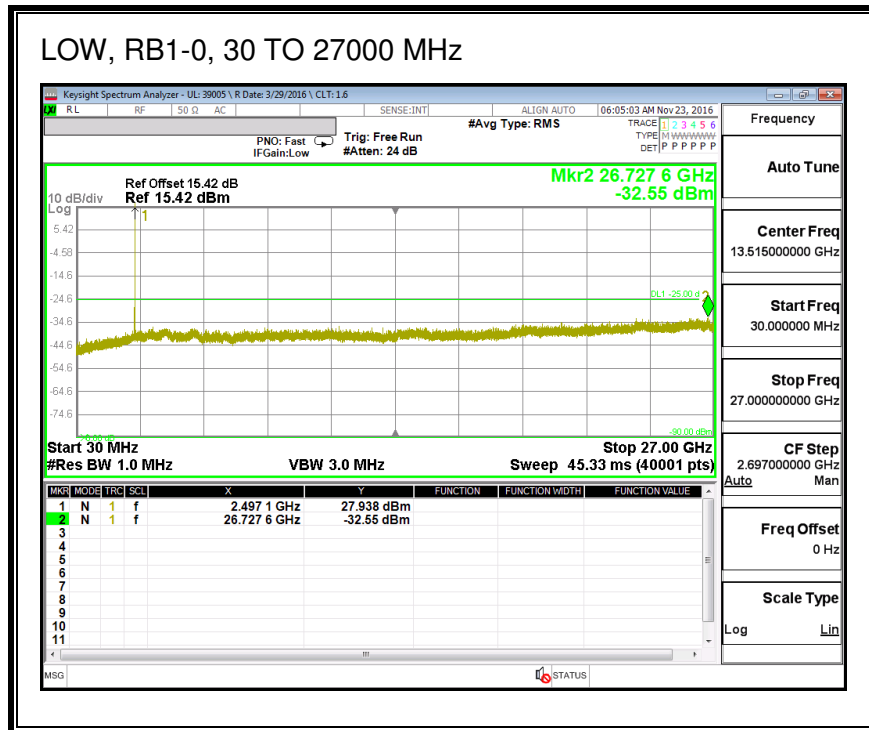
8.3.12. LTE BAND 41

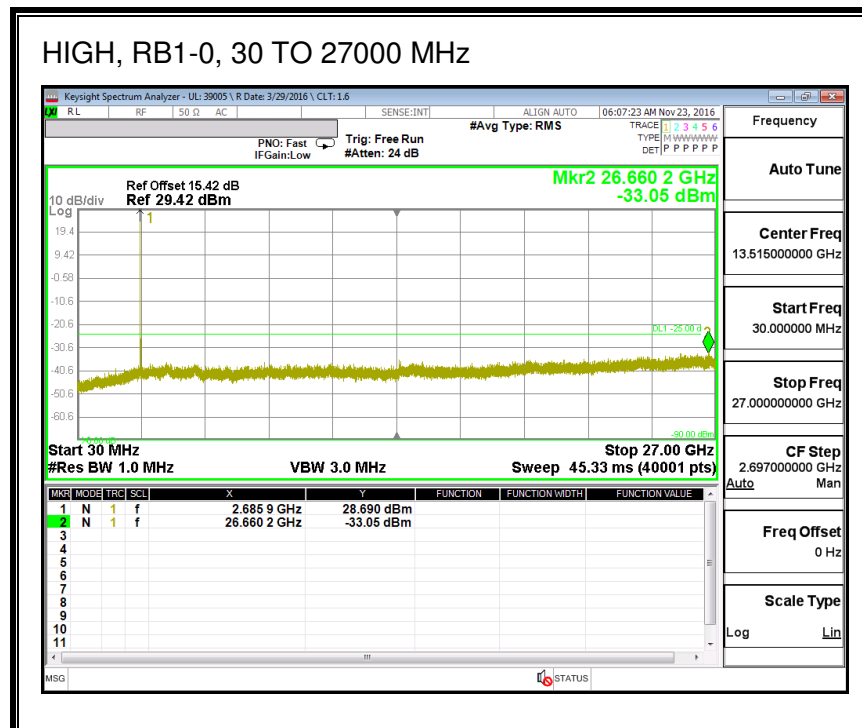
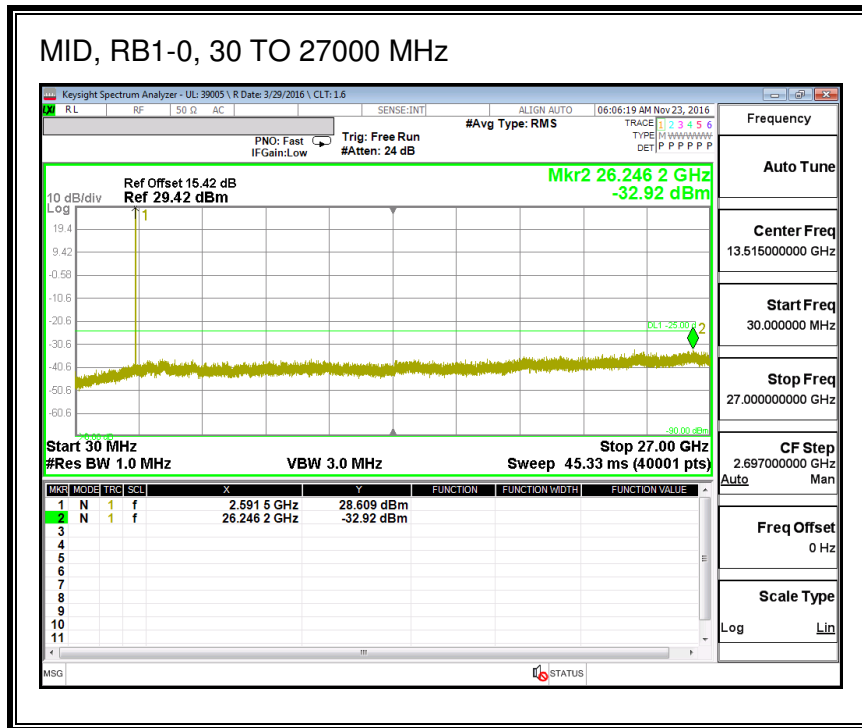
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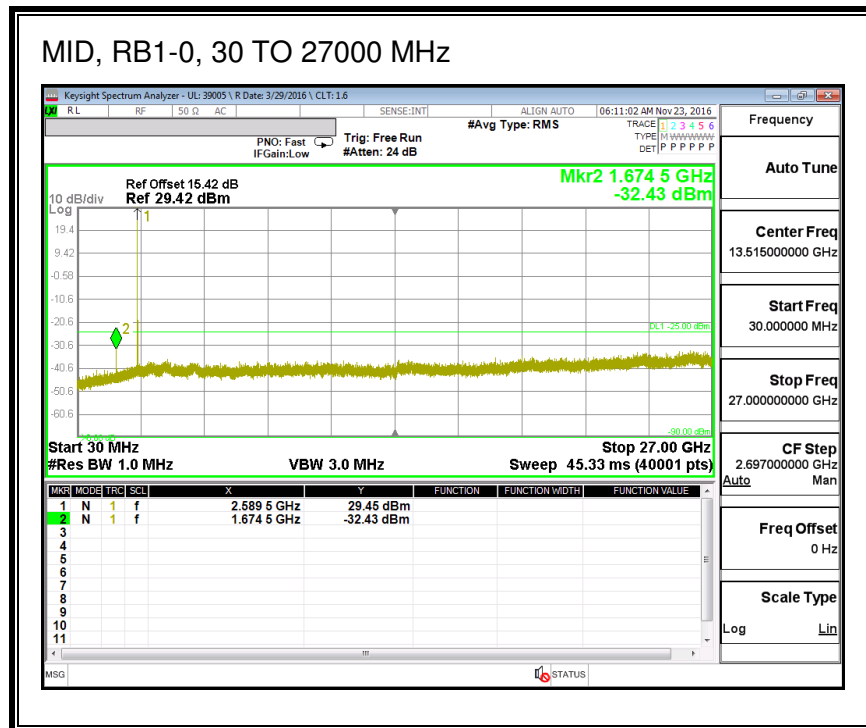
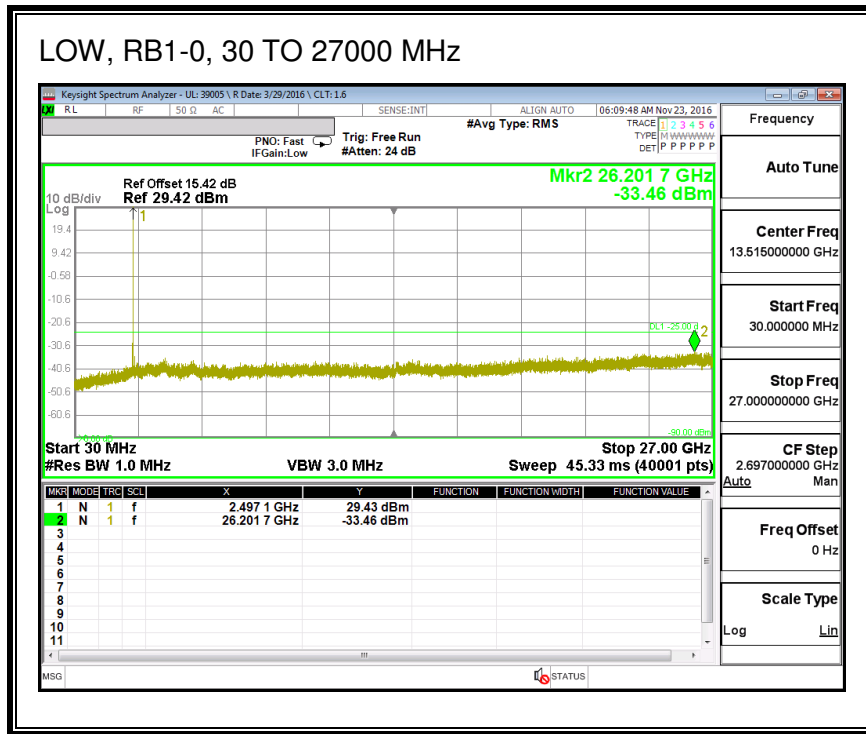


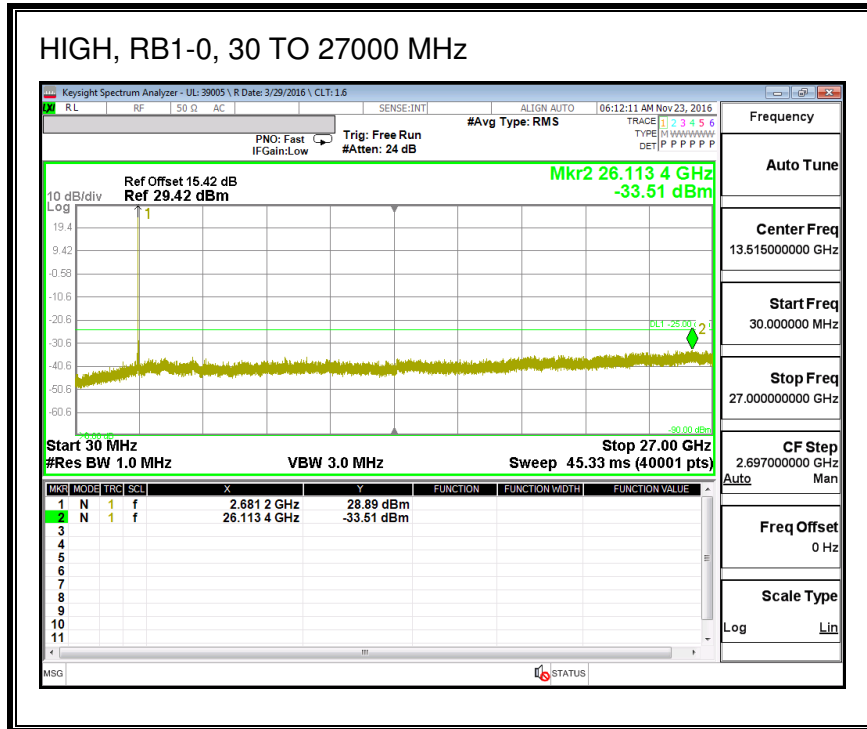
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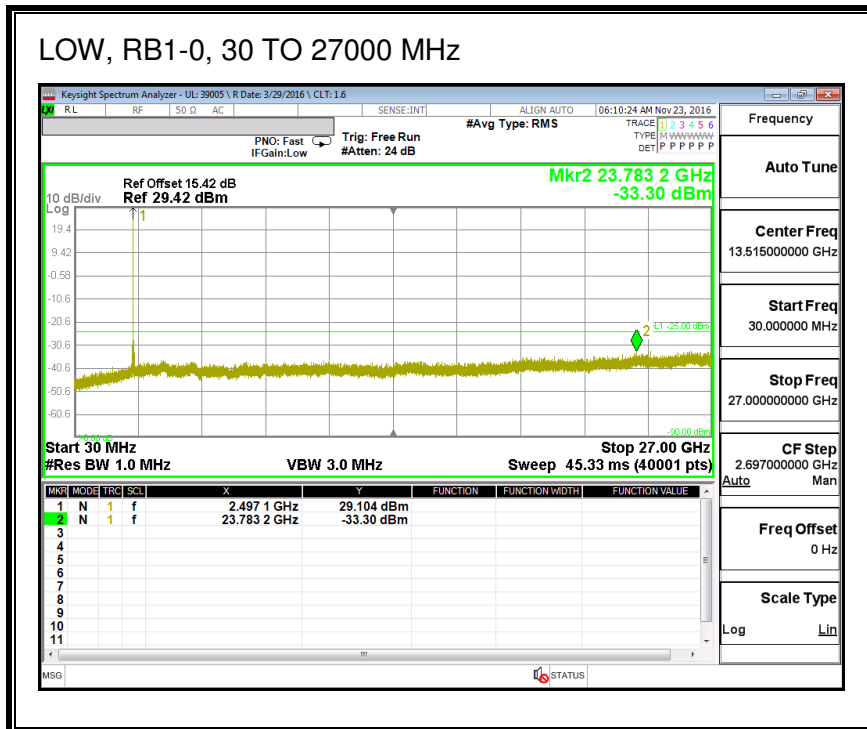


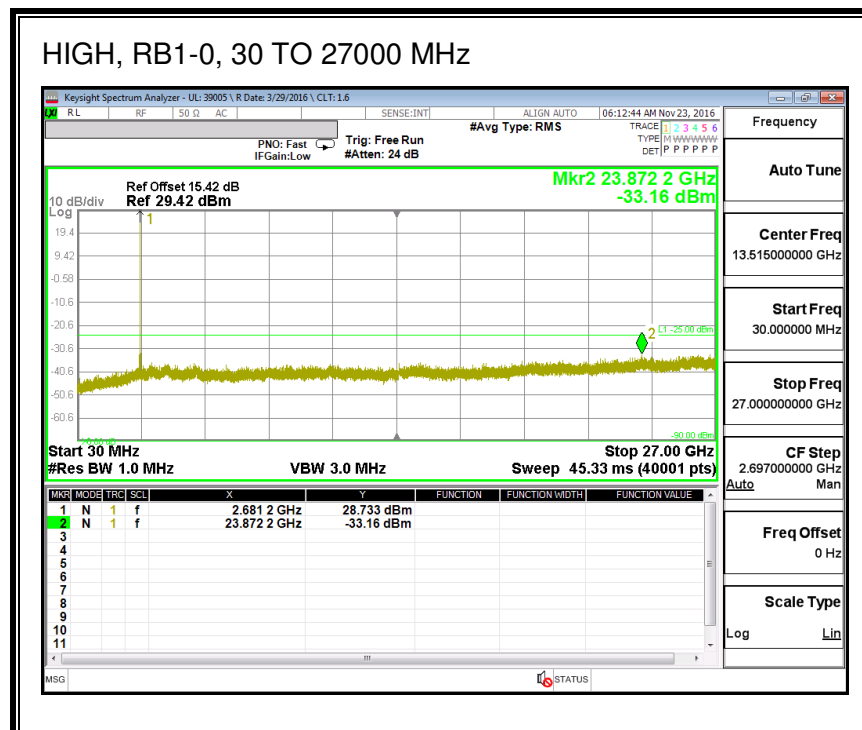
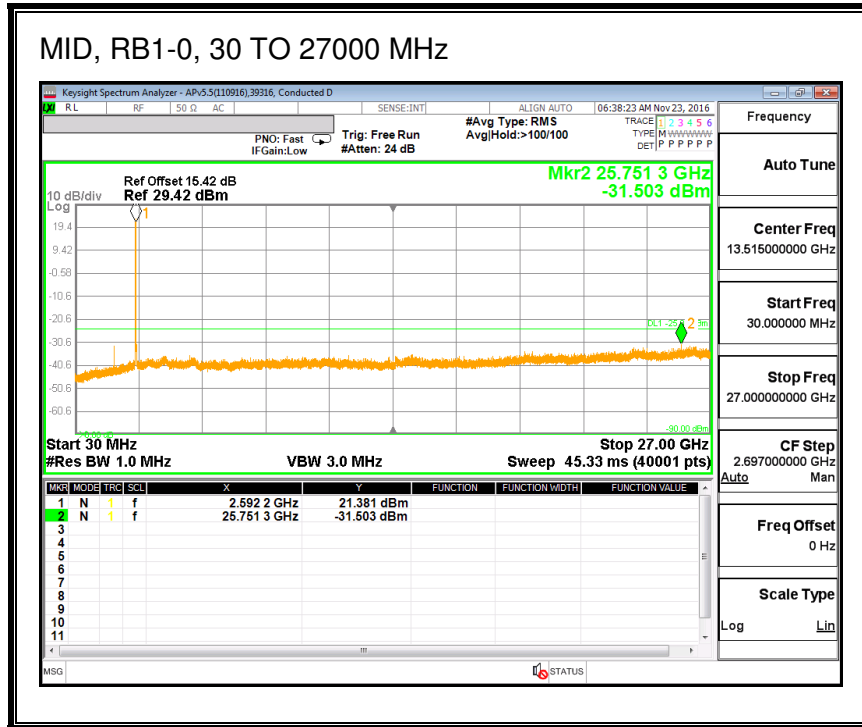
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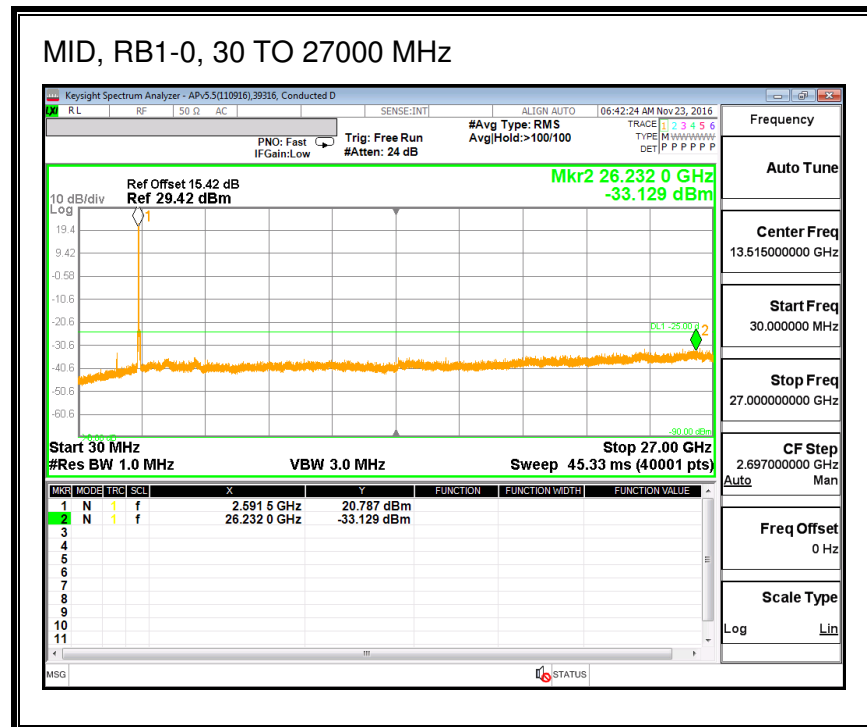
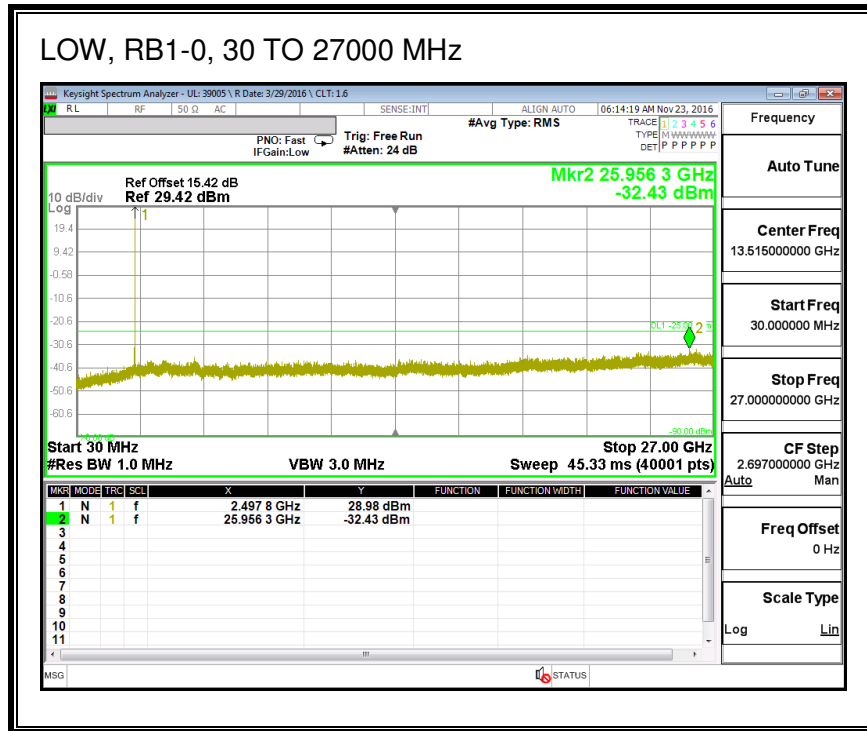


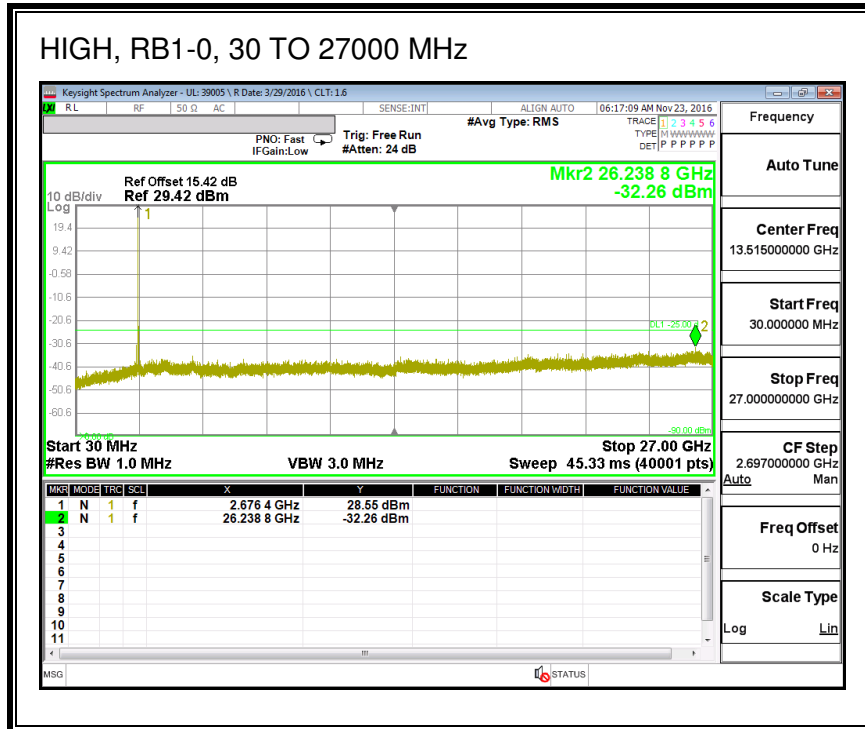
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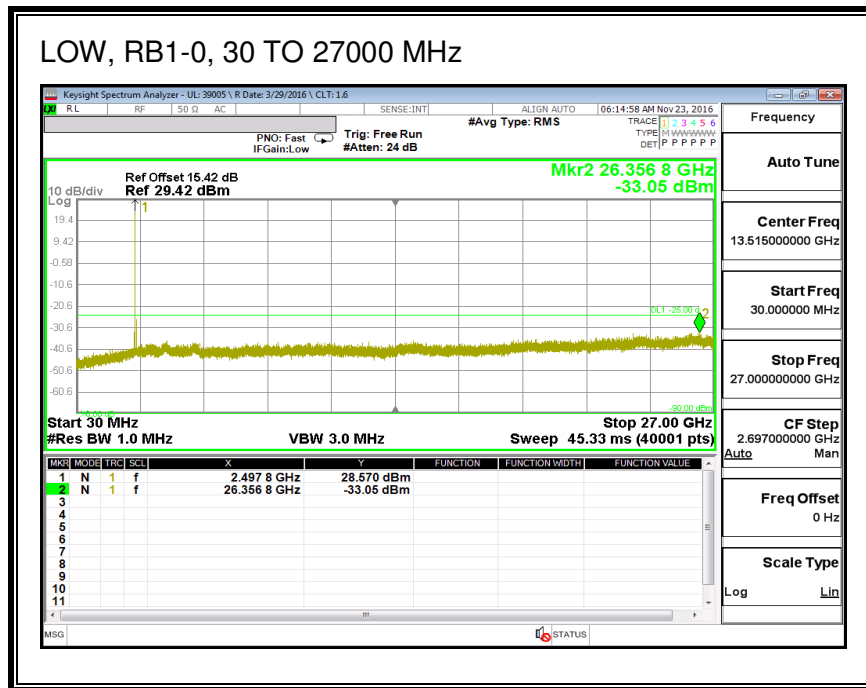


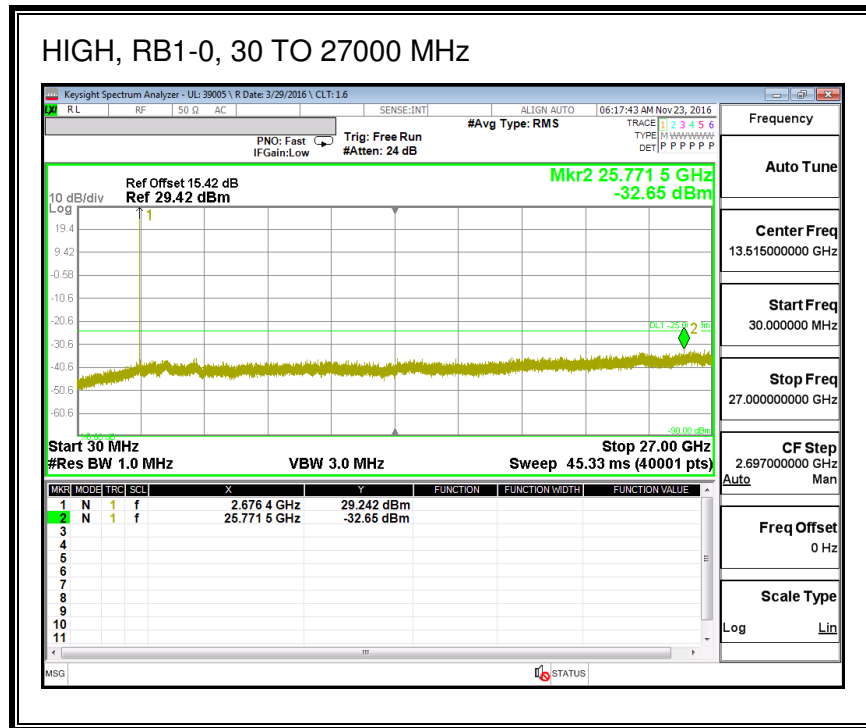
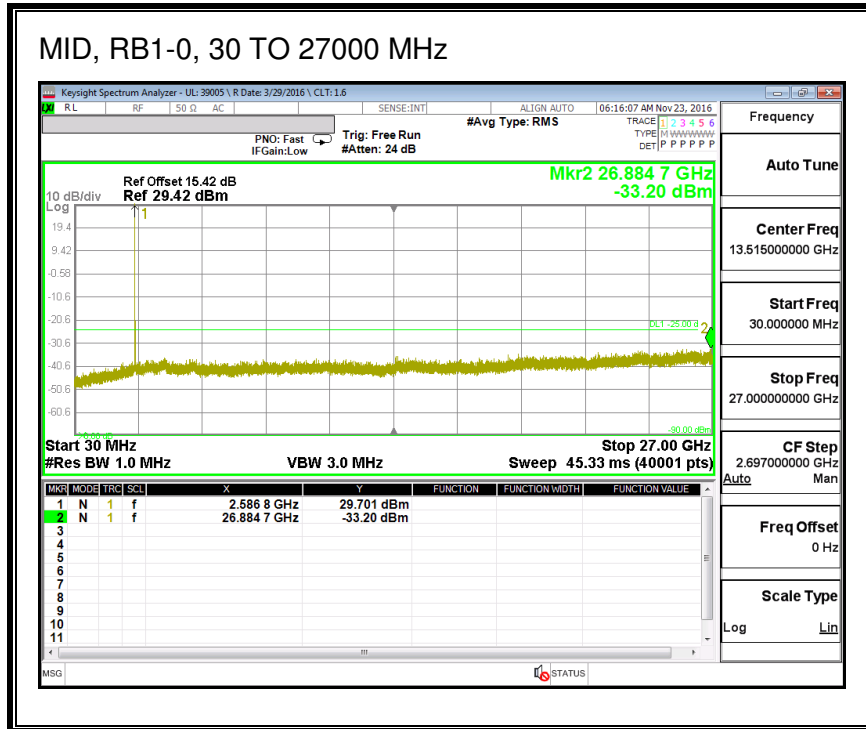
QPSK, (15.0 MHz BAND WIDTH)



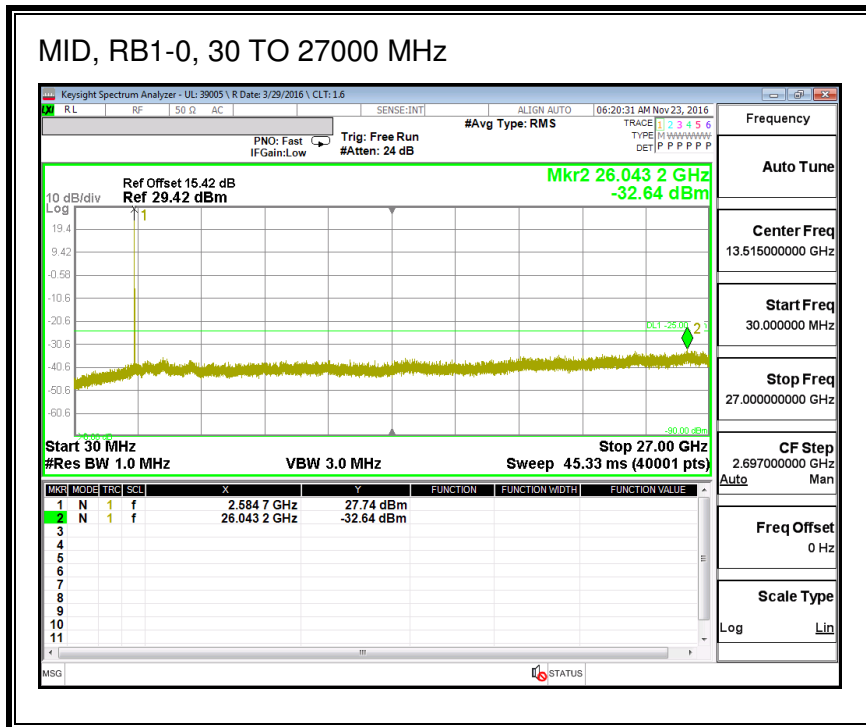
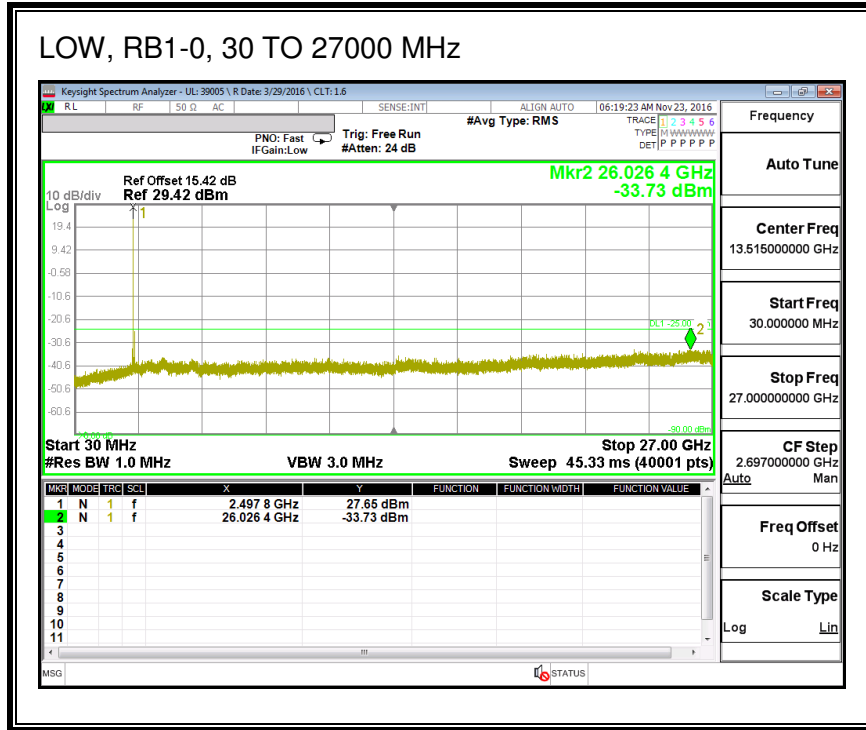


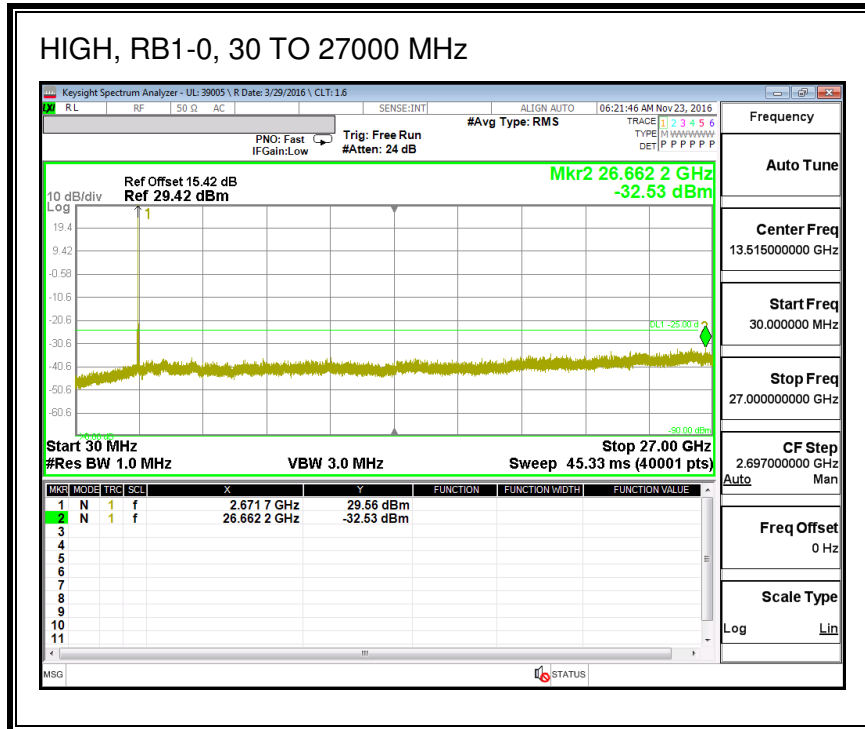
16QAM, (15.0 MHz BAND WIDTH)



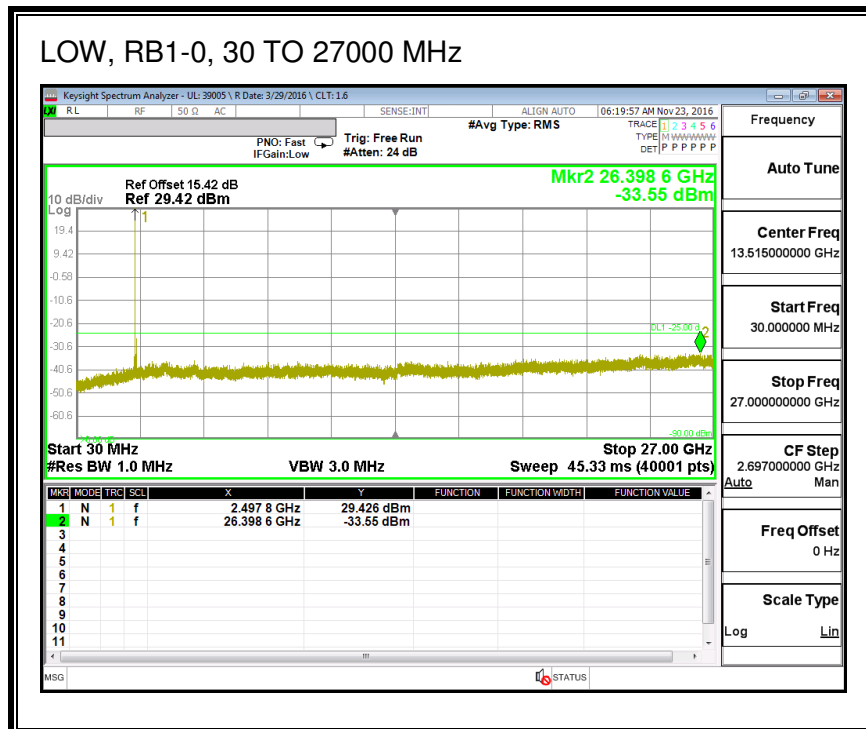


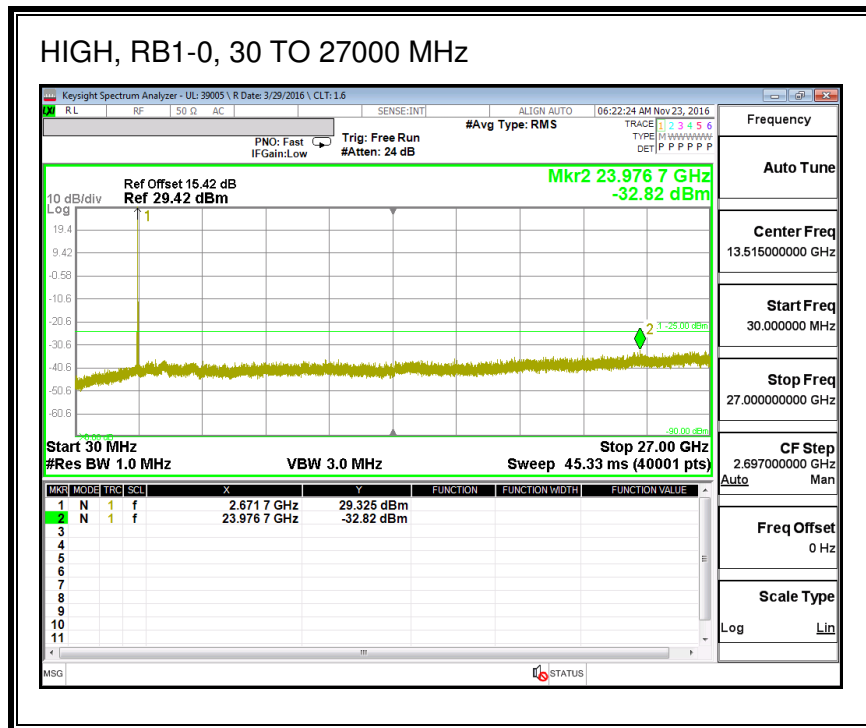
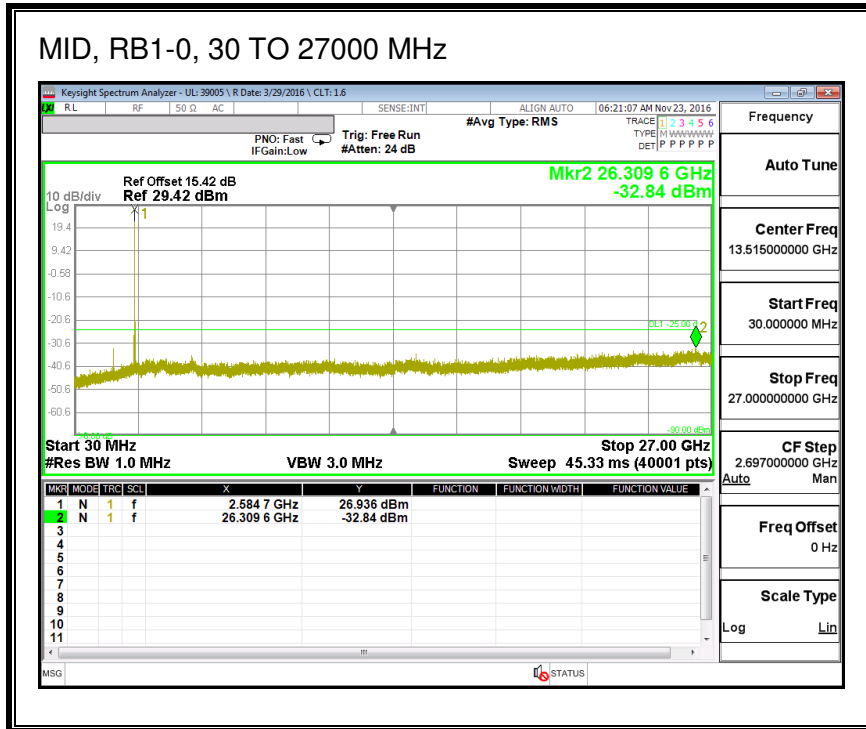
QPSK, (20.0 MHz BAND WIDTH)





16QAM, (20.0 MHz BAND WIDTH)





8.4. FREQUENCY STABILITY

RULE PART(S)

FCC: §2.1055, §22.355, §24.235, §27.54 and §90.213

LIMITS

§22.355

The carrier frequency shall not depart from the reference frequency in excess of ± 2.5 ppm for mobile stations.

§24.235 & §27.54

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

§90.213

The carrier frequency shall not depart from the reference frequency in excess of ± 2.5 ppm for mobile stations

TEST PROCEDURE

Use CMW 500 with Frequency Error measurement capability.

- Temp. = -30° to $+50^{\circ}\text{C}$
- Voltage = (85% - 115%)

Low voltage, 3.23VDC, Normal, 3.8VDC and High voltage, 4.37VDC.
End Voltage, 3.2VDC.

Frequency Stability vs Temperature:

The EUT is placed inside a temperature chamber. The temperature is set to 20°C and allowed to stabilize. After sufficient soak time, the transmitting frequency error is measured. The temperature is increased by 10 degrees, allowed to stabilize and soak, and then the measurement is repeated. This is repeated until $+50^{\circ}\text{C}$ is reached.

Frequency Stability vs Voltage:

The peak frequency error is recorded (worst-case).

MODES TESTED

- LTE Band 2
- LTE Band 4
- LTE Band 5
- LTE Band 7
- LTE Band 12
- LTE Band 13
- LTE Band 17
- LTE Band 25
- LTE Band 26
- LTE Band 27
- LTE Band 30
- LTE Band 41

RESULTS

See the following pages.

8.4.1. LTE BAND 2

| | | | |
|------------|-------|--------------|----------|
| ID: | 43575 | Date: | 11/29/16 |
|------------|-------|--------------|----------|

QPSK, (20MHz BANDWIDTH)

| Limit | | 1850 | 1910 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 1851.0854 | 1908.9433 | | |
| Extreme (50C) | | 1851.0853 | 1908.9433 | -13.1 | -0.007 |
| Extreme (40C) | | 1851.0854 | 1908.9433 | -9.3 | -0.005 |
| Extreme (30C) | | 1851.0854 | 1908.9433 | -6.3 | -0.003 |
| Extreme (10C) | | 1851.0854 | 1908.9433 | -7.8 | -0.004 |
| Extreme (0C) | | 1851.0854 | 1908.9433 | 3.7 | 0.002 |
| Extreme (-10C) | | 1851.0854 | 1908.9433 | -4.1 | -0.002 |
| Extreme (-20C) | | 1851.0854 | 1908.9433 | -6.3 | -0.003 |
| Extreme (-30C) | | 1851.0854 | 1908.9433 | 6.7 | 0.004 |
| | | | | | |
| 20C | 15% | 1851.0854 | 1908.9433 | -7.2 | -0.004 |
| | -15% | 1851.0854 | 1908.9433 | 6.9 | 0.004 |
| | End Point | 1851.0854 | 1908.9433 | 7.2 | 0.004 |

16QAM, (20MHz BANDWIDTH)

| Limit | | 1850 | 1910 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 1851.0931 | 1908.9351 | | |
| Extreme (50C) | | 1851.0931 | 1908.9351 | -8.1 | -0.004 |
| Extreme (40C) | | 1851.0931 | 1908.9351 | 9.3 | 0.005 |
| Extreme (30C) | | 1851.0931 | 1908.9351 | 7.5 | 0.004 |
| Extreme (10C) | | 1851.0931 | 1908.9351 | 9.1 | 0.005 |
| Extreme (0C) | | 1851.0931 | 1908.9351 | -7.8 | -0.004 |
| Extreme (-10C) | | 1851.0931 | 1908.9351 | 5.7 | 0.003 |
| Extreme (-20C) | | 1851.0931 | 1908.9351 | 6.7 | 0.004 |
| Extreme (-30C) | | 1851.0931 | 1908.9351 | -8.1 | -0.004 |
| | | | | | |
| 20C | 15% | 1851.0931 | 1908.9351 | -7.6 | -0.004 |
| | -15% | 1851.0931 | 1908.9351 | -10.4 | -0.006 |
| | End Point | 1851.0931 | 1908.9351 | -11.0 | -0.006 |

8.4.2. LTE BAND 4

| | | | |
|------------|-------|--------------|----------|
| ID: | 43575 | Date: | 11/29/16 |
|------------|-------|--------------|----------|

QPSK, (20MHz BANDWIDTH)

| Limit | | 1710 | 1755 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 1711.0793 | 1753.9455 | | |
| Extreme (50C) | | 1711.0793 | 1753.9455 | -8.3 | -0.005 |
| Extreme (40C) | | 1711.0793 | 1753.9455 | -7.2 | -0.004 |
| Extreme (30C) | | 1711.0793 | 1753.9455 | 6.8 | 0.004 |
| Extreme (10C) | | 1711.0793 | 1753.9455 | 6.6 | 0.004 |
| Extreme (0C) | | 1711.0793 | 1753.9455 | 7.7 | 0.004 |
| Extreme (-10C) | | 1711.0793 | 1753.9455 | -4.8 | -0.003 |
| Extreme (-20C) | | 1711.0793 | 1753.9455 | 7.5 | 0.004 |
| Extreme (-30C) | | 1711.0793 | 1753.9455 | 7.0 | 0.004 |
| 20C | | 15% | 1711.0793 | 1753.9455 | 5.3 |
| | -15% | 1711.0793 | 1753.9455 | -9.1 | -0.005 |
| | End Point | 1711.0793 | 1753.9455 | -10.0 | -0.006 |

16QAM, (20MHz BANDWIDTH)

| Limit | | 1710 | 1755 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 1711.0751 | 1753.9450 | | |
| Extreme (50C) | | 1711.0751 | 1753.9450 | 7.6 | 0.004 |
| Extreme (40C) | | 1711.0751 | 1753.9450 | 9.7 | 0.006 |
| Extreme (30C) | | 1711.0751 | 1753.9450 | -5.9 | -0.003 |
| Extreme (10C) | | 1711.0751 | 1753.9450 | 8.4 | 0.005 |
| Extreme (0C) | | 1711.0751 | 1753.9450 | 4.4 | 0.003 |
| Extreme (-10C) | | 1711.0751 | 1753.9450 | -6.0 | -0.003 |
| Extreme (-20C) | | 1711.0751 | 1753.9450 | 6.5 | 0.004 |
| Extreme (-30C) | | 1711.0751 | 1753.9450 | 7.9 | 0.005 |
| 20C | | 15% | 1711.0751 | 1753.9450 | 4.9 |
| | -15% | 1711.0751 | 1753.9449 | -13.6 | -0.008 |
| | End Point | 1711.0750 | 1753.9449 | -14.3 | -0.008 |

8.4.3. LTE BAND 5

| | | | |
|------------|-------|--------------|----------|
| ID: | 43575 | Date: | 11/29/16 |
|------------|-------|--------------|----------|

QPSK, (10MHz BANDWIDTH)

| Limit | | 824 | 849 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 824.5327 | 848.4711 | | |
| Extreme (50C) | | 824.5327 | 848.4711 | 3.6 | 0.004 |
| Extreme (40C) | | 824.5327 | 848.4711 | -6.6 | -0.008 |
| Extreme (30C) | | 824.5327 | 848.4711 | 5.5 | 0.007 |
| Extreme (10C) | | 824.5327 | 848.4711 | -5.2 | -0.006 |
| Extreme (0C) | | 824.5327 | 848.4711 | 9.3 | 0.011 |
| Extreme (-10C) | | 824.5327 | 848.4711 | 13.4 | 0.016 |
| Extreme (-20C) | | 824.5327 | 848.4711 | 25.9 | 0.031 |
| Extreme (-30C) | | 824.5327 | 848.4712 | 36.0 | 0.043 |
| | | | | | |
| 20C | 15% | 824.5327 | 848.4711 | -4.1 | -0.005 |
| | -15% | 824.5327 | 848.4711 | -7.8 | -0.009 |
| | End Point | 824.5327 | 848.4711 | -8.7 | -0.010 |

16QAM, (10MHz BANDWIDTH)

| Limit | | 824 | 849 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 824.5380 | 848.4674 | | |
| Extreme (50C) | | 824.5380 | 848.4674 | -4.8 | -0.006 |
| Extreme (40C) | | 824.5380 | 848.4674 | -6.0 | -0.007 |
| Extreme (30C) | | 824.5380 | 848.4674 | 4.8 | 0.006 |
| Extreme (10C) | | 824.5380 | 848.4674 | 5.6 | 0.007 |
| Extreme (0C) | | 824.5380 | 848.4674 | 7.5 | 0.009 |
| Extreme (-10C) | | 824.5380 | 848.4674 | 7.3 | 0.009 |
| Extreme (-20C) | | 824.5380 | 848.4674 | 10.5 | 0.013 |
| Extreme (-30C) | | 824.5380 | 848.4674 | 11.1 | 0.013 |
| | | | | | |
| 20C | 15% | 824.5380 | 848.4674 | -4.1 | -0.005 |
| | -15% | 824.5380 | 848.4674 | -4.2 | -0.005 |
| | End Point | 824.5380 | 848.4674 | -5.5 | -0.007 |

8.4.4. LTE BAND 7

| | | | |
|------------|-------|--------------|----------|
| ID: | 43575 | Date: | 11/29/16 |
|------------|-------|--------------|----------|

QPSK, (20MHz BANDWIDTH)

| Limit | | 2500 | 2570 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 2501.0793 | 2568.9475 | | |
| Extreme (50C) | | 2501.0793 | 2568.9475 | -16.9 | -0.007 |
| Extreme (40C) | | 2501.0793 | 2568.9475 | -11.0 | -0.004 |
| Extreme (30C) | | 2501.0793 | 2568.9475 | -12.5 | -0.005 |
| Extreme (10C) | | 2501.0793 | 2568.9475 | -11.4 | -0.005 |
| Extreme (0C) | | 2501.0793 | 2568.9475 | -7.9 | -0.003 |
| Extreme (-10C) | | 2501.0794 | 2568.9476 | 10.3 | 0.004 |
| Extreme (-20C) | | 2501.0793 | 2568.9475 | -10.7 | -0.004 |
| Extreme (-30C) | | 2501.0793 | 2568.9475 | -7.9 | -0.003 |
| | | | | | |
| 20C | 15% | 2501.0793 | 2568.9475 | -9.3 | -0.004 |
| | -15% | 2501.0793 | 2568.9475 | -19.1 | -0.008 |
| | End Point | 2501.0793 | 2568.9475 | -20.4 | -0.008 |

16QAM, (20MHz BANDWIDTH)

| Limit | | 2500 | 2570 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 2501.0954 | 2568.9585 | | |
| Extreme (50C) | | 2501.0953 | 2568.9585 | -16.1 | -0.006 |
| Extreme (40C) | | 2501.0954 | 2568.9585 | -13.3 | -0.005 |
| Extreme (30C) | | 2501.0954 | 2568.9585 | -12.1 | -0.005 |
| Extreme (10C) | | 2501.0954 | 2568.9585 | -9.9 | -0.004 |
| Extreme (0C) | | 2501.0954 | 2568.9585 | -13.7 | -0.005 |
| Extreme (-10C) | | 2501.0954 | 2568.9585 | -9.3 | -0.004 |
| Extreme (-20C) | | 2501.0954 | 2568.9585 | -12.9 | -0.005 |
| Extreme (-30C) | | 2501.0954 | 2568.9585 | -6.8 | -0.003 |
| | | | | | |
| 20C | 15% | 2501.0954 | 2568.9585 | -10.7 | -0.004 |
| | -15% | 2501.0954 | 2568.9585 | -14.3 | -0.006 |
| | End Point | 2501.0953 | 2568.9585 | -15.6 | -0.006 |

8.4.5. LTE BAND 12

| | | | |
|------------|-------|--------------|----------|
| ID: | 43575 | Date: | 11/29/16 |
|------------|-------|--------------|----------|

QPSK, (10MHz BANDWIDTH)

| Limit | | 699 | 716 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 699.5342 | 715.4727 | | |
| Extreme (50C) | | 699.5342 | 715.4727 | 1.8 | 0.00 |
| Extreme (40C) | | 699.5342 | 715.4727 | 2.4 | 0.00 |
| Extreme (30C) | | 699.5342 | 715.4727 | 3.6 | 0.01 |
| Extreme (10C) | | 699.5342 | 715.4727 | -3.5 | 0.00 |
| Extreme (0C) | | 699.5342 | 715.4727 | -3.2 | 0.00 |
| Extreme (-10C) | | 699.5342 | 715.4727 | -3.8 | -0.01 |
| Extreme (-20C) | | 699.5342 | 715.4727 | -4.1 | -0.01 |
| Extreme (-30C) | | 699.5342 | 715.4727 | -4.1 | -0.01 |
| | | | | | |
| 20C | 15% | 699.5342 | 715.4727 | -3.4 | 0.00 |
| | -15% | 699.5342 | 715.4727 | 4.1 | 0.01 |
| | End Point | 699.5342 | 715.4727 | 5.0 | 0.01 |

16QAM, (10MHz BANDWIDTH)

| Limit | | 699 | 716 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 699.5306 | 715.4809 | | |
| Extreme (50C) | | 699.5306 | 715.4809 | 2.2 | 0.00 |
| Extreme (40C) | | 699.5306 | 715.4809 | 2.5 | 0.00 |
| Extreme (30C) | | 699.5306 | 715.4809 | -3.6 | -0.01 |
| Extreme (10C) | | 699.5306 | 715.4809 | -4.2 | -0.01 |
| Extreme (0C) | | 699.5306 | 715.4809 | 2.6 | 0.00 |
| Extreme (-10C) | | 699.5306 | 715.4809 | 2.8 | 0.00 |
| Extreme (-20C) | | 699.5306 | 715.4809 | -4.5 | -0.01 |
| Extreme (-30C) | | 699.5306 | 715.4809 | -3.7 | -0.01 |
| | | | | | |
| 20C | 15% | 699.5306 | 715.4809 | -4.3 | -0.01 |
| | -15% | 699.5306 | 715.4809 | -1.9 | 0.00 |
| | End Point | 699.5306 | 715.4809 | -3.1 | 0.00 |

8.4.6. LTE BAND 13

| | | | |
|------------|-------|--------------|----------|
| ID: | 43575 | Date: | 11/29/16 |
|------------|-------|--------------|----------|

QPSK, (10MHz BANDWIDTH)

| Limit | | 777 | 787 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 777.2590 | 786.7491 | | |
| Extreme (50C) | | 777.2590 | 786.7491 | -6.0 | -0.008 |
| Extreme (40C) | | 777.2590 | 786.7491 | -6.4 | -0.008 |
| Extreme (30C) | | 777.2590 | 786.7491 | -6.2 | -0.008 |
| Extreme (10C) | | 777.2590 | 786.7491 | -4.7 | -0.006 |
| Extreme (0C) | | 777.2590 | 786.7491 | 5.1 | 0.007 |
| Extreme (-10C) | | 777.2590 | 786.7491 | -4.9 | -0.006 |
| Extreme (-20C) | | 777.2590 | 786.7491 | 4.3 | 0.005 |
| Extreme (-30C) | | 777.2590 | 786.7491 | -4.5 | -0.006 |
| 20C | | 15% | 777.2590 | 786.7491 | -4.9 |
| | -15% | 777.2590 | 786.7491 | -6.3 | -0.008 |
| | End Point | 777.2590 | 786.7491 | -7.5 | -0.010 |

16QAM, (10MHz BANDWIDTH)

| Limit | | 777 | 787 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 777.2645 | 786.7364 | | |
| Extreme (50C) | | 777.2645 | 786.7364 | -5.2 | -0.007 |
| Extreme (40C) | | 777.2645 | 786.7364 | -5.3 | -0.007 |
| Extreme (30C) | | 777.2645 | 786.7364 | -3.5 | -0.004 |
| Extreme (10C) | | 777.2645 | 786.7364 | 4.7 | 0.006 |
| Extreme (0C) | | 777.2645 | 786.7364 | 4.4 | 0.006 |
| Extreme (-10C) | | 777.2645 | 786.7364 | 5.2 | 0.007 |
| Extreme (-20C) | | 777.2645 | 786.7364 | 4.1 | 0.005 |
| Extreme (-30C) | | 777.2645 | 786.7364 | -4.1 | -0.005 |
| 20C | | 15% | 777.2645 | 786.7364 | 3.7 |
| | -15% | 777.2645 | 786.7364 | 5.0 | 0.006 |
| | End Point | 777.2645 | 786.7364 | 5.5 | 0.007 |

8.4.7. LTE BAND 17

| | | | |
|------------|-------|--------------|----------|
| ID: | 43575 | Date: | 11/29/16 |
|------------|-------|--------------|----------|

QPSK, (10MHz BANDWIDTH)

| Limit | | 704 | 716 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 704.5006 | 715.4950 | | |
| Extreme (50C) | | 704.5006 | 715.4950 | 1.6 | 0.002 |
| Extreme (40C) | | 704.5006 | 715.4950 | 1.9 | 0.003 |
| Extreme (30C) | | 704.5006 | 715.4950 | 2.5 | 0.004 |
| Extreme (10C) | | 704.5006 | 715.4950 | -2.2 | -0.003 |
| Extreme (0C) | | 704.5006 | 715.4950 | 4.2 | 0.006 |
| Extreme (-10C) | | 704.5006 | 715.4950 | 4.3 | 0.006 |
| Extreme (-20C) | | 704.5006 | 715.4950 | 3.8 | 0.005 |
| Extreme (-30C) | | 704.5006 | 715.4950 | -2.6 | -0.004 |
| | | | | | |
| 20C | 15% | 704.5006 | 715.4950 | -2.2 | -0.003 |
| | -15% | 704.5006 | 715.4950 | 3.1 | 0.004 |
| | End Point | 704.5006 | 715.4950 | 4.3 | 0.006 |

16QAM, (10MHz BANDWIDTH)

| Limit | | 704 | 716 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 704.5030 | 715.4935 | | |
| Extreme (50C) | | 704.5030 | 715.4935 | 1.8 | 0.003 |
| Extreme (40C) | | 704.5030 | 715.4935 | 1.7 | 0.002 |
| Extreme (30C) | | 704.5030 | 715.4935 | 1.8 | 0.002 |
| Extreme (10C) | | 704.5030 | 715.4935 | 1.6 | 0.002 |
| Extreme (0C) | | 704.5030 | 715.4935 | 3.8 | 0.005 |
| Extreme (-10C) | | 704.5030 | 715.4935 | 4.1 | 0.006 |
| Extreme (-20C) | | 704.5030 | 715.4935 | 3.9 | 0.005 |
| Extreme (-30C) | | 704.5030 | 715.4935 | -2.8 | -0.004 |
| | | | | | |
| 20C | 15% | 704.5030 | 715.4935 | 1.9 | 0.003 |
| | -15% | 704.5030 | 715.4935 | -3.8 | -0.005 |
| | End Point | 704.5030 | 715.4935 | -4.7 | -0.007 |

8.4.8. LTE BAND 25

| | | | |
|------------|-------|--------------|----------|
| ID: | 43575 | Date: | 11/29/16 |
|------------|-------|--------------|----------|

QPSK, (20MHz BANDWIDTH)

| Limit | | 1850 | 1915 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 1851.0820 | 1913.9422 | | |
| Extreme (50C) | | 1851.0820 | 1913.9422 | -9.9 | -0.005 |
| Extreme (40C) | | 1851.0820 | 1913.9422 | 9.7 | 0.005 |
| Extreme (30C) | | 1851.0820 | 1913.9422 | 7.2 | 0.004 |
| Extreme (10C) | | 1851.0820 | 1913.9422 | 7.2 | 0.004 |
| Extreme (0C) | | 1851.0820 | 1913.9422 | -6.5 | -0.003 |
| Extreme (-10C) | | 1851.0820 | 1913.9422 | -5.2 | -0.003 |
| Extreme (-20C) | | 1851.0820 | 1913.9422 | -5.1 | -0.003 |
| Extreme (-30C) | | 1851.0820 | 1913.9422 | 5.8 | 0.003 |
| | | | | | |
| 20C | 15% | 1851.0820 | 1913.9422 | 6.3 | 0.003 |
| | -15% | 1851.0820 | 1913.9422 | 7.8 | 0.004 |
| | End Point | 1851.0820 | 1913.9422 | 8.6 | 0.005 |

16QAM, (20MHz BANDWIDTH)

| Limit | | 1850 | 1915 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 1851.0912 | 1913.9364 | | |
| Extreme (50C) | | 1851.0912 | 1913.9363 | -9.3 | -0.005 |
| Extreme (40C) | | 1851.0911 | 1913.9363 | -10.8 | -0.006 |
| Extreme (30C) | | 1851.0912 | 1913.9364 | 6.2 | 0.003 |
| Extreme (10C) | | 1851.0912 | 1913.9363 | -7.8 | -0.004 |
| Extreme (0C) | | 1851.0912 | 1913.9364 | 9.4 | 0.005 |
| Extreme (-10C) | | 1851.0912 | 1913.9363 | -5.0 | -0.003 |
| Extreme (-20C) | | 1851.0912 | 1913.9364 | 8.3 | 0.004 |
| Extreme (-30C) | | 1851.0912 | 1913.9364 | 7.7 | 0.004 |
| | | | | | |
| 20C | 15% | 1851.0912 | 1913.9364 | 5.6 | 0.003 |
| | -15% | 1851.0912 | 1913.9363 | -7.9 | -0.004 |
| | End Point | 1851.0912 | 1913.9363 | -8.7 | -0.005 |

8.4.9. LTE BAND 26

| | | | |
|------------|-------|--------------|----------|
| ID: | 43575 | Date: | 11/29/16 |
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QPSK, (10MHz BANDWIDTH)

| Limit | | 814 | 824 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 814.2507 | 823.7411 | | |
| Extreme (50C) | | 814.2507 | 823.7410 | -7.7 | -0.009 |
| Extreme (40C) | | 814.2507 | 823.7410 | -5.7 | -0.007 |
| Extreme (30C) | | 814.2507 | 823.7410 | -6.5 | -0.008 |
| Extreme (10C) | | 814.2507 | 823.7411 | -4.6 | -0.006 |
| Extreme (0C) | | 814.2507 | 823.7411 | -4.4 | -0.005 |
| Extreme (-10C) | | 814.2507 | 823.7411 | -4.7 | -0.006 |
| Extreme (-20C) | | 814.2507 | 823.7411 | -3.6 | -0.004 |
| Extreme (-30C) | | 814.2507 | 823.7411 | -3.6 | -0.004 |
| | | | | | |
| 20C | 15% | 814.2507 | 823.7410 | -5.4 | -0.007 |
| | -15% | 814.2507 | 823.7410 | -5.2 | -0.006 |
| | End Point | 814.2507 | 823.7410 | -6.4 | -0.008 |

16QAM, (10MHz BANDWIDTH)

| Limit | | 814 | 824 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 814.2619 | 823.7382 | | |
| Extreme (50C) | | 814.2619 | 823.7382 | -6.6 | -0.008 |
| Extreme (40C) | | 814.2619 | 823.7382 | -6.0 | -0.007 |
| Extreme (30C) | | 814.2619 | 823.7382 | -6.0 | -0.007 |
| Extreme (10C) | | 814.2619 | 823.7382 | -5.3 | -0.006 |
| Extreme (0C) | | 814.2619 | 823.7382 | -5.9 | -0.007 |
| Extreme (-10C) | | 814.2619 | 823.7382 | -5.5 | -0.007 |
| Extreme (-20C) | | 814.2619 | 823.7382 | -4.9 | -0.006 |
| Extreme (-30C) | | 814.2619 | 823.7382 | -4.7 | -0.006 |
| | | | | | |
| 20C | 15% | 814.2619 | 823.7382 | -5.3 | -0.006 |
| | -15% | 814.2619 | 823.7382 | -6.0 | -0.007 |
| | End Point | 814.2619 | 823.7382 | -6.9 | -0.008 |

8.4.10. LTE BAND 27

| | | | |
|------------|-------|--------------|----------|
| ID: | 43575 | Date: | 11/29/16 |
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QPSK, (10MHz BANDWIDTH)

| Limit | | 814 | 824 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 814.4987 | 823.4963 | | |
| Extreme (50C) | | 814.4987 | 823.4963 | -5.7 | -0.007 |
| Extreme (40C) | | 814.4987 | 823.4963 | -3.9 | -0.005 |
| Extreme (30C) | | 814.4987 | 823.4963 | -5.5 | -0.007 |
| Extreme (10C) | | 814.4987 | 823.4963 | -3.2 | -0.004 |
| Extreme (0C) | | 814.4987 | 823.4963 | -3.7 | -0.005 |
| Extreme (-10C) | | 814.4987 | 823.4963 | -4.5 | -0.005 |
| Extreme (-20C) | | 814.4987 | 823.4963 | -3.4 | -0.004 |
| Extreme (-30C) | | 814.4987 | 823.4963 | -3.4 | -0.004 |
| | | | | | |
| 20C | 15% | 814.4987 | 823.4963 | -4.9 | -0.006 |
| | -15% | 814.4987 | 823.4963 | -6.1 | -0.007 |
| | End Point | 814.4987 | 823.4963 | -7.6 | -0.009 |

16QAM, (10MHz BANDWIDTH)

| Limit | | 814 | 824 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 814.5065 | 823.4935 | | |
| Extreme (50C) | | 814.5065 | 823.4935 | -6.0 | -0.007 |
| Extreme (40C) | | 814.5065 | 823.4935 | -5.3 | -0.006 |
| Extreme (30C) | | 814.5065 | 823.4935 | -5.0 | -0.006 |
| Extreme (10C) | | 814.5065 | 823.4935 | 3.4 | 0.004 |
| Extreme (0C) | | 814.5065 | 823.4935 | -2.9 | -0.003 |
| Extreme (-10C) | | 814.5065 | 823.4935 | -3.0 | -0.004 |
| Extreme (-20C) | | 814.5065 | 823.4935 | -3.8 | -0.005 |
| Extreme (-30C) | | 814.5065 | 823.4935 | -3.7 | -0.005 |
| | | | | | |
| 20C | 15% | 814.5065 | 823.4935 | -4.0 | -0.005 |
| | -15% | 814.5065 | 823.4935 | -6.4 | -0.008 |
| | End Point | 814.5065 | 823.4935 | -7.3 | -0.009 |

8.4.11. LTE BAND 30

| | | | |
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| ID: | 43575 | Date: | 11/29/16 |
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QPSK, (10MHz BANDWIDTH)

| Limit | | 2305 | 2315 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 2305.5028 | 2314.4962 | | |
| Extreme (50C) | | 2305.5028 | 2314.4962 | -9.0 | -0.004 |
| Extreme (40C) | | 2305.5028 | 2314.4962 | -7.9 | -0.003 |
| Extreme (30C) | | 2305.5028 | 2314.4962 | -8.8 | -0.004 |
| Extreme (10C) | | 2305.5028 | 2314.4962 | -6.5 | -0.003 |
| Extreme (0C) | | 2305.5028 | 2314.4962 | -10.2 | -0.004 |
| Extreme (-10C) | | 2305.5027 | 2314.4962 | -14.3 | -0.006 |
| Extreme (-20C) | | 2305.5028 | 2314.4962 | -8.2 | -0.004 |
| Extreme (-30C) | | 2305.5028 | 2314.4962 | -10.3 | -0.004 |
| | | | | | |
| 20C | 15% | 2305.5028 | 2314.4962 | -10.1 | -0.004 |
| | -15% | 2305.5028 | 2314.4962 | -5.4 | -0.002 |
| | End Point | 2305.5028 | 2314.4962 | -6.8 | -0.003 |

16QAM, (10MHz BANDWIDTH)

| Limit | | 2305 | 2315 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 2305.5056 | 2314.4957 | | |
| Extreme (50C) | | 2305.5056 | 2314.4957 | -13.5 | -0.006 |
| Extreme (40C) | | 2305.5056 | 2314.4957 | -7.6 | -0.003 |
| Extreme (30C) | | 2305.5056 | 2314.4957 | -11.3 | -0.005 |
| Extreme (10C) | | 2305.5056 | 2314.4957 | -8.3 | -0.004 |
| Extreme (0C) | | 2305.5056 | 2314.4957 | -7.1 | -0.003 |
| Extreme (-10C) | | 2305.5056 | 2314.4957 | -11.2 | -0.005 |
| Extreme (-20C) | | 2305.5056 | 2314.4957 | -7.9 | -0.003 |
| Extreme (-30C) | | 2305.5056 | 2314.4957 | -8.4 | -0.004 |
| | | | | | |
| 20C | 15% | 2305.5056 | 2314.4957 | -9.0 | -0.004 |
| | -15% | 2305.5056 | 2314.4957 | -8.2 | -0.004 |
| | End Point | 2305.5056 | 2314.4957 | -9.3 | -0.004 |

8.4.12. LTE BAND 41

| | | | |
|------------|-------|--------------|----------|
| ID: | 43575 | Date: | 11/29/16 |
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QPSK, (20MHz BANDWIDTH)

| Limit | | 2496 | 2690 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 2496.9181 | 2689.3899 | | |
| Extreme (50C) | | 2496.9182 | 2689.3899 | 36.8 | 0.014 |
| Extreme (40C) | | 2496.9182 | 2689.3899 | 30.2 | 0.012 |
| Extreme (30C) | | 2496.9182 | 2689.3899 | 34.7 | 0.013 |
| Extreme (10C) | | 2496.9182 | 2689.3899 | 32.3 | 0.012 |
| Extreme (0C) | | 2496.9181 | 2689.3899 | -9.9 | -0.004 |
| Extreme (-10C) | | 2496.9182 | 2689.3899 | 21.0 | 0.008 |
| Extreme (-20C) | | 2496.9182 | 2689.3899 | 11.3 | 0.004 |
| Extreme (-30C) | | 2496.9182 | 2689.3899 | 9.4 | 0.004 |
| | | | | | |
| 20C | 15% | 2496.9182 | 2689.3899 | 24.4 | 0.009 |
| | -15% | 2496.9182 | 2689.3899 | 22.4 | 0.009 |
| | End Point | 2496.9182 | 2689.3899 | 23.5 | 0.009 |

16QAM, (20MHz BANDWIDTH)

| Limit | | 2496 | 2690 | Delta (Hz) | Frequency Stability (ppm) |
|----------------|-----------|----------------------|-----------------------|------------|---------------------------|
| Condition | | F low @ -13dBm (MHz) | F high @ -13dBm (MHz) | | |
| Temperature | Voltage | | | | |
| Normal (20C) | Normal | 2497.0901 | 2688.9712 | | |
| Extreme (50C) | | 2497.0901 | 2688.9712 | 30.1 | 0.012 |
| Extreme (40C) | | 2497.0901 | 2688.9712 | 36.9 | 0.014 |
| Extreme (30C) | | 2497.0901 | 2688.9712 | 12.5 | 0.005 |
| Extreme (10C) | | 2497.0901 | 2688.9712 | 35.0 | 0.013 |
| Extreme (0C) | | 2497.0901 | 2688.9712 | 31.9 | 0.012 |
| Extreme (-10C) | | 2497.0901 | 2688.9711 | -10.2 | -0.004 |
| Extreme (-20C) | | 2497.0901 | 2688.9712 | 10.7 | 0.004 |
| Extreme (-30C) | | 2497.0901 | 2688.9712 | 10.1 | 0.004 |
| | | | | | |
| 20C | 15% | 2497.0901 | 2688.9711 | -16.4 | -0.006 |
| | -15% | 2497.0901 | 2688.9712 | 19.1 | 0.007 |
| | End Point | 2497.0901 | 2688.9712 | 20.3 | 0.008 |

8.5. PEAK-TO-AVERAGE RATIO

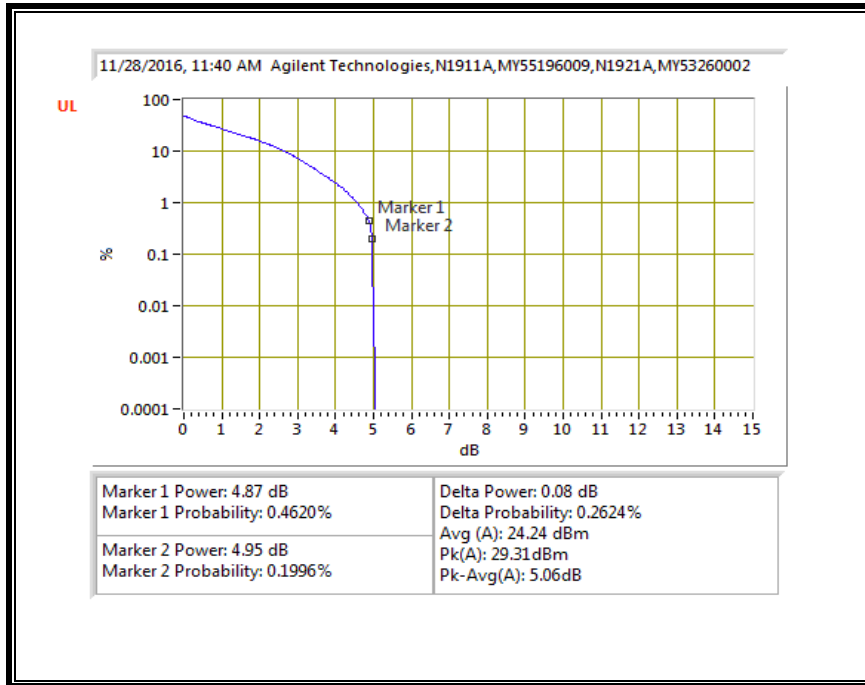
In addition, when the transmitter power is measured in terms of average value, the peak-to-average ratio of the power shall not exceed 13 dB

RESULT

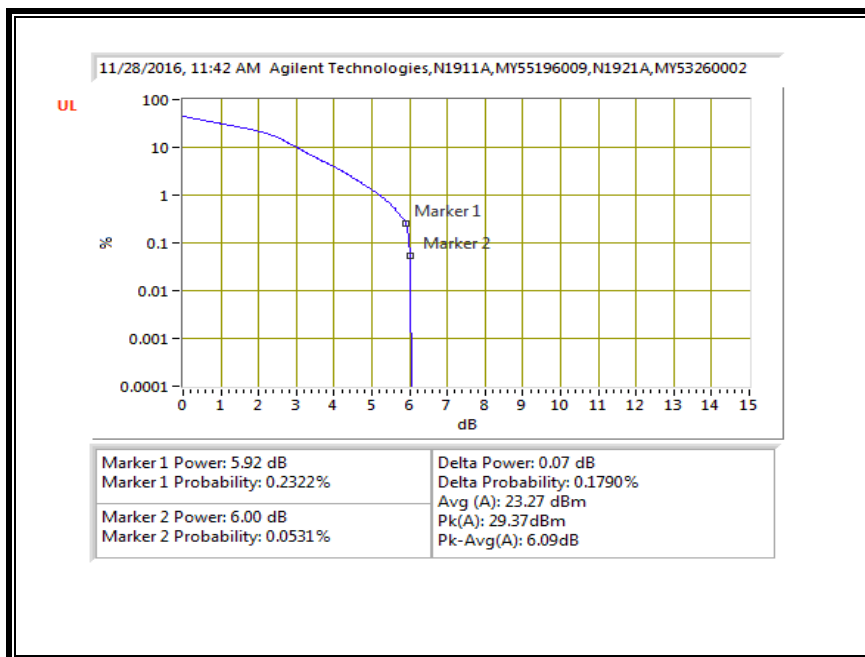
Antenna C was used to measure as the worst case. The results from all CCDF plots are passed with 13dB peak-to-average ratio criteria.

8.5.1. LTE BAND 2

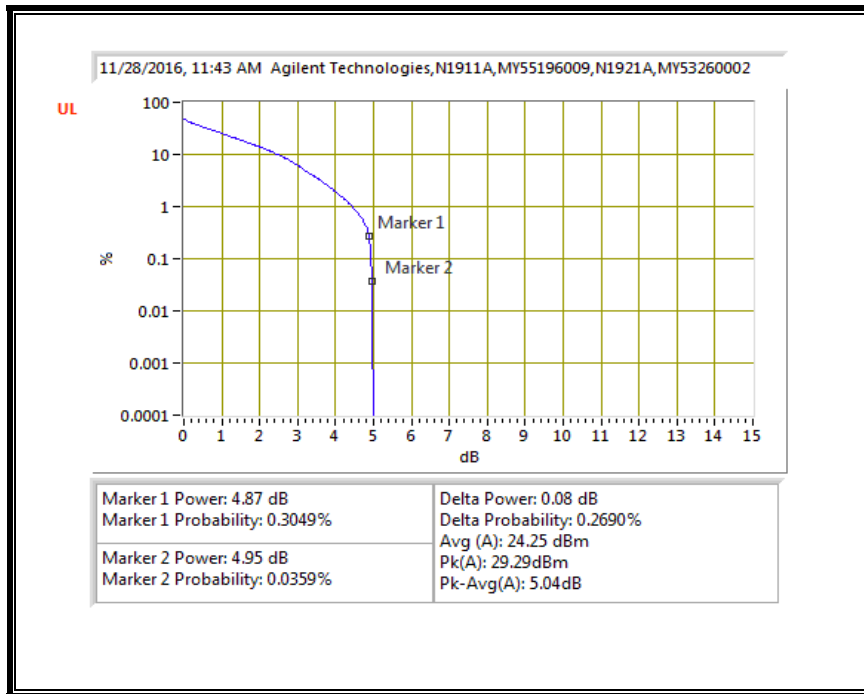
QPSK, (1.4 MHz BAND WIDTH)



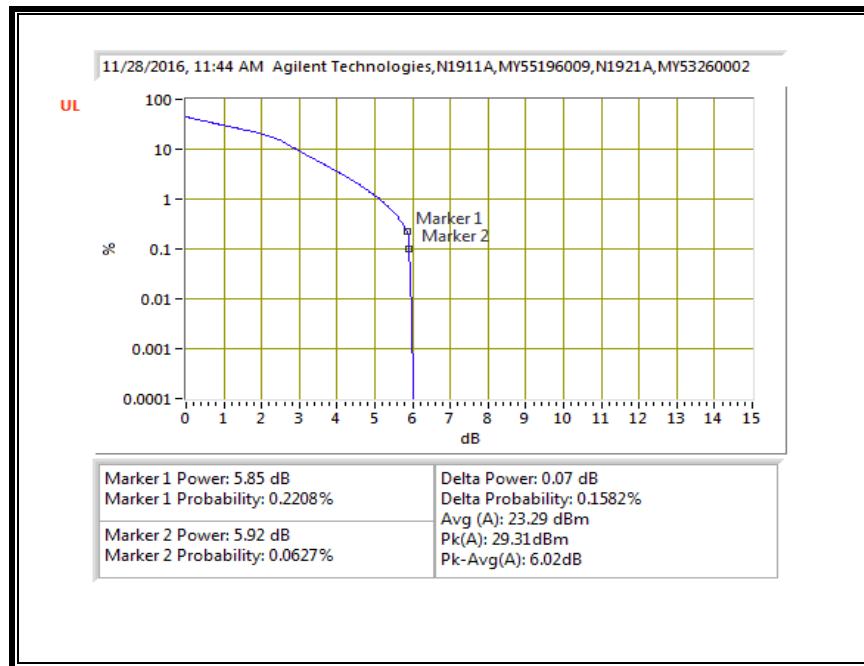
16QAM, (1.4 MHz BAND WIDTH)



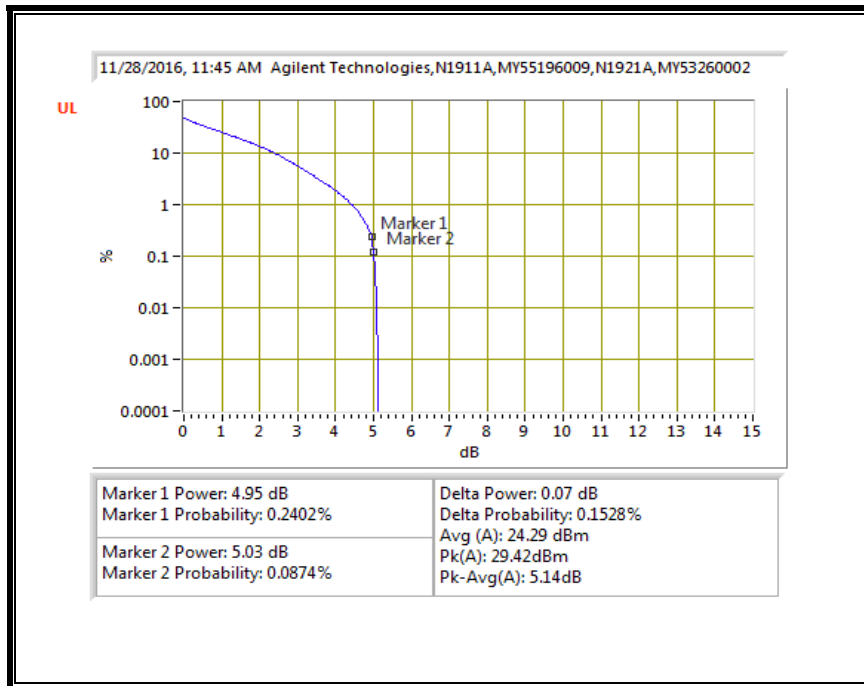
QPSK, (3.0 MHz BAND WIDTH)



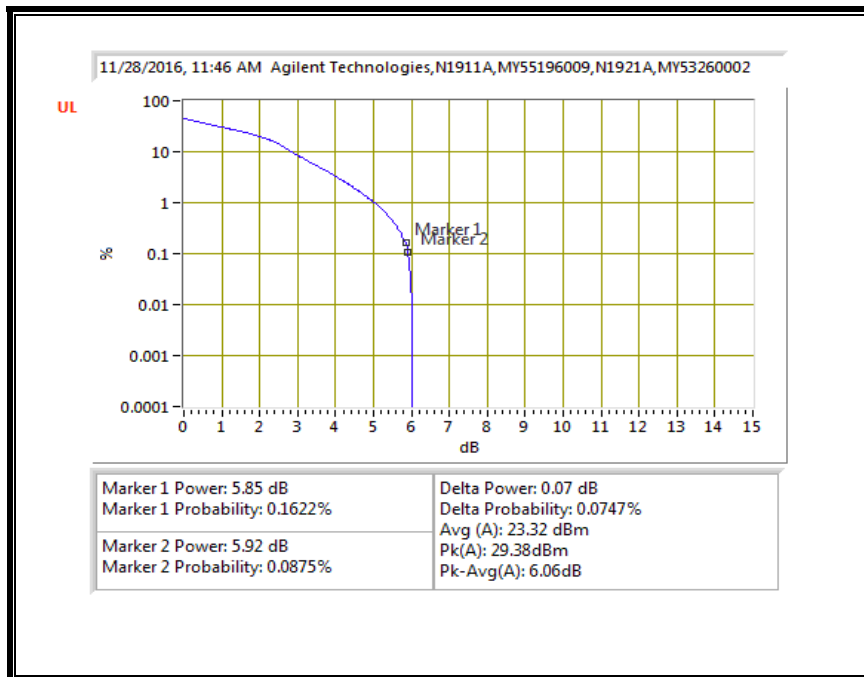
16QAM, (3.0 MHz BAND WIDTH)



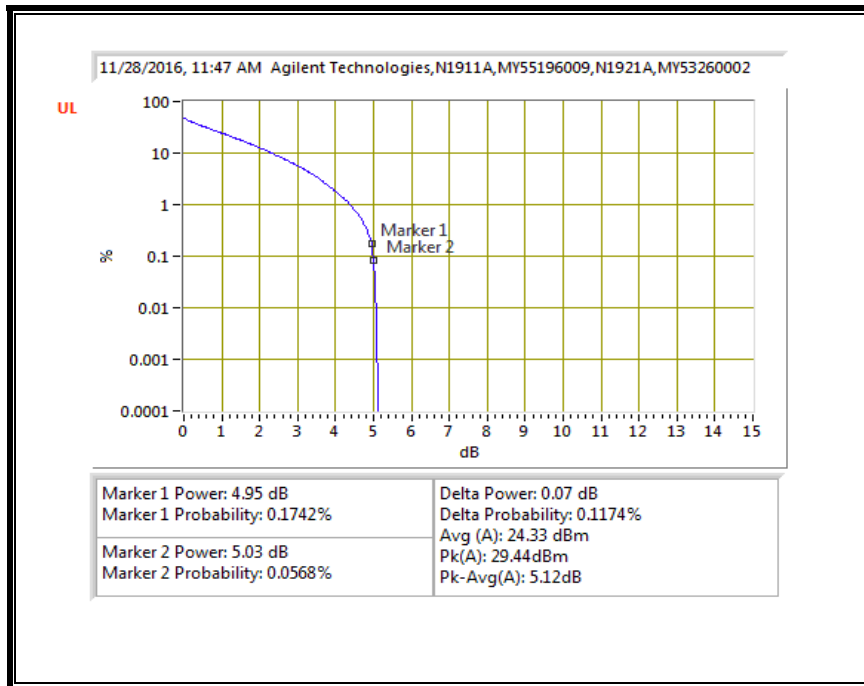
QPSK, (5.0 MHz BAND WIDTH)



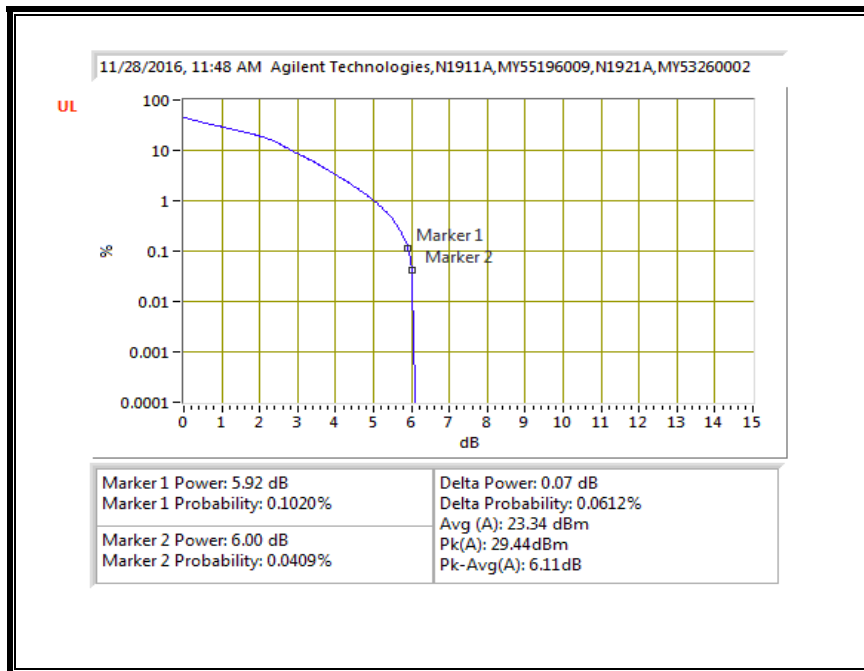
16QAM, (5.0 MHz BAND WIDTH)



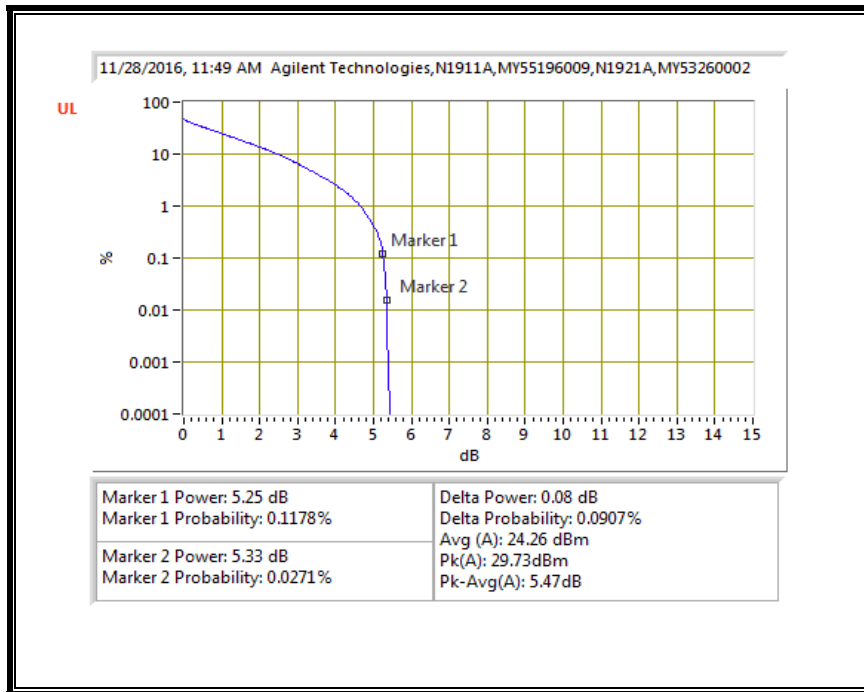
QPSK, (10.0 MHz BAND WIDTH)



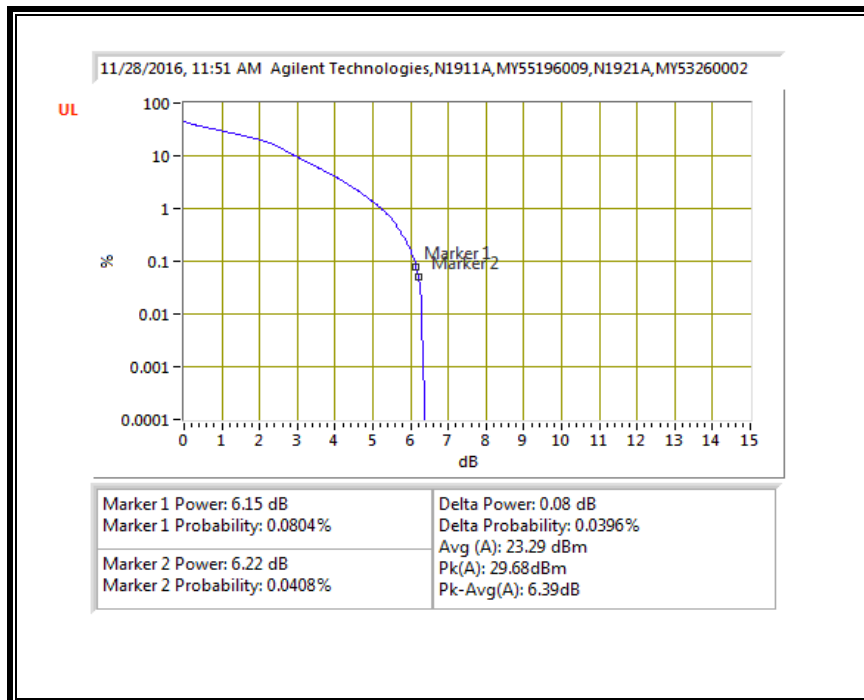
16QAM, (10.0 MHz BAND WIDTH)



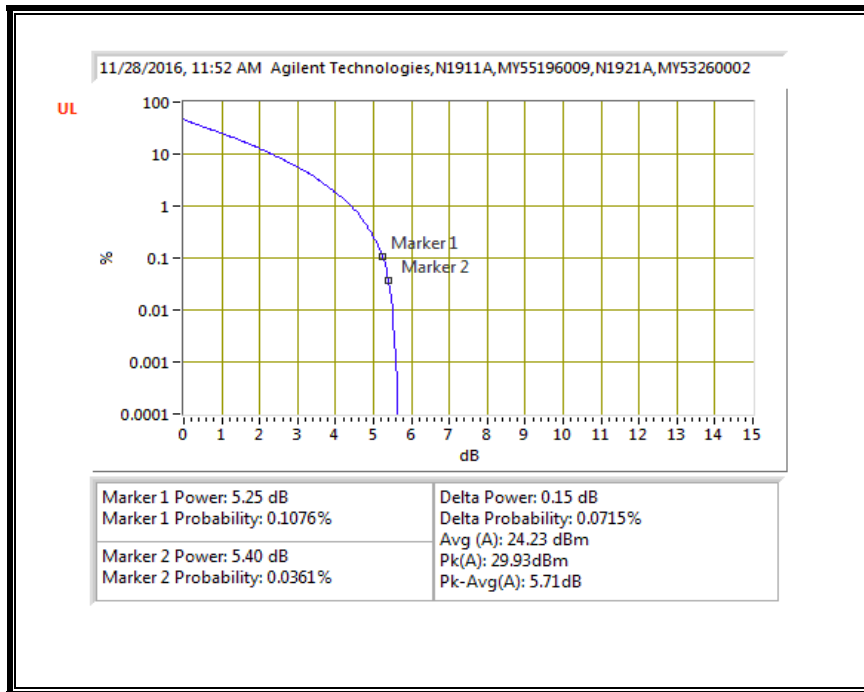
QPSK, (15.0 MHz BAND WIDTH)



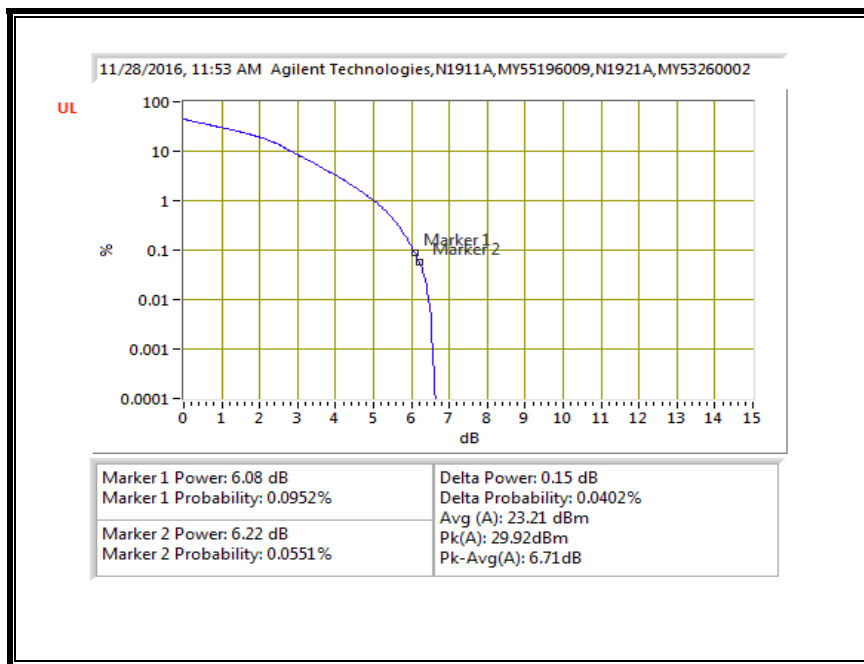
16QAM, (15.0 MHz BAND WIDTH)



QPSK, (20.0 MHz BAND WIDTH)

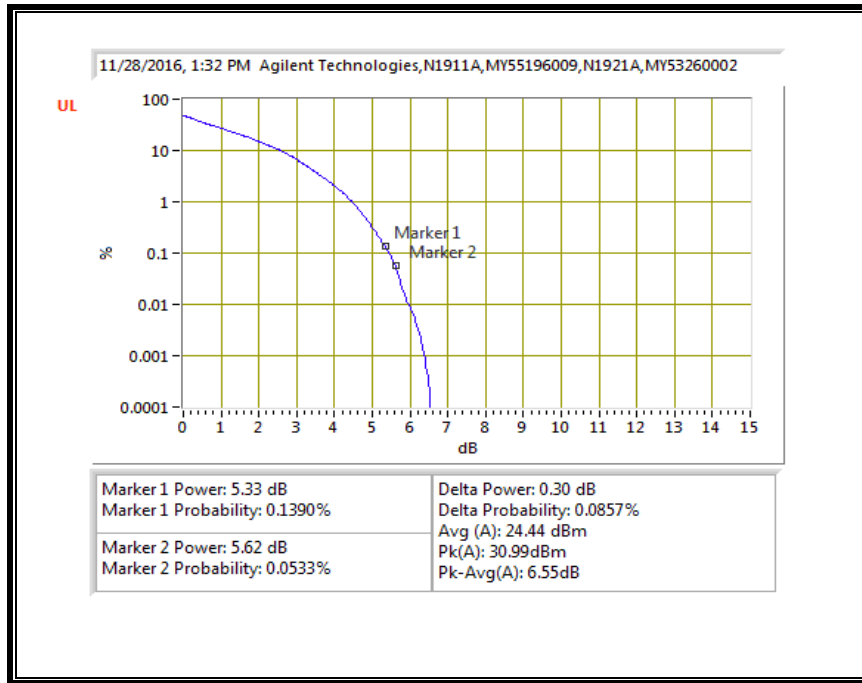


16QAM, (20.0 MHz BAND WIDTH)

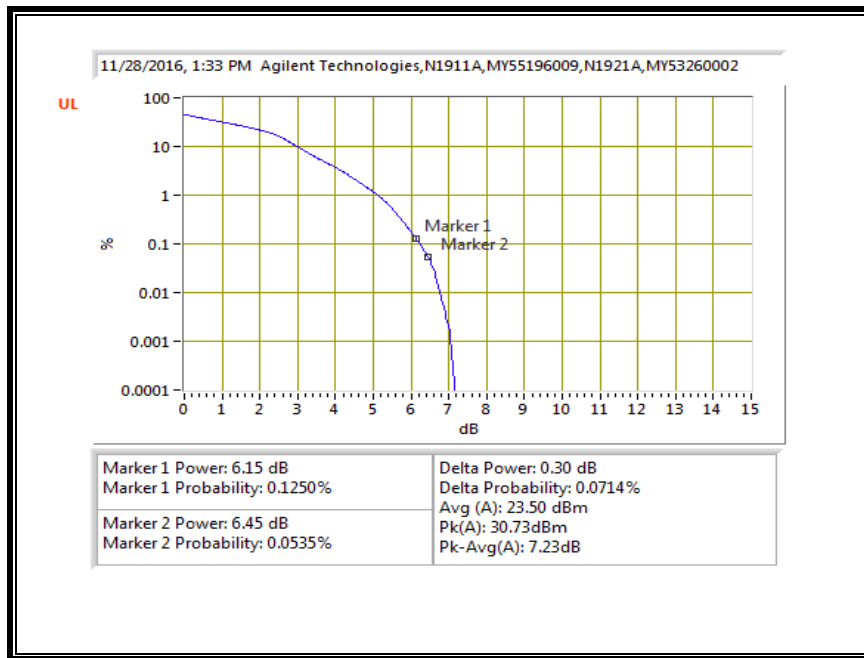


8.5.2. LTE BAND 4

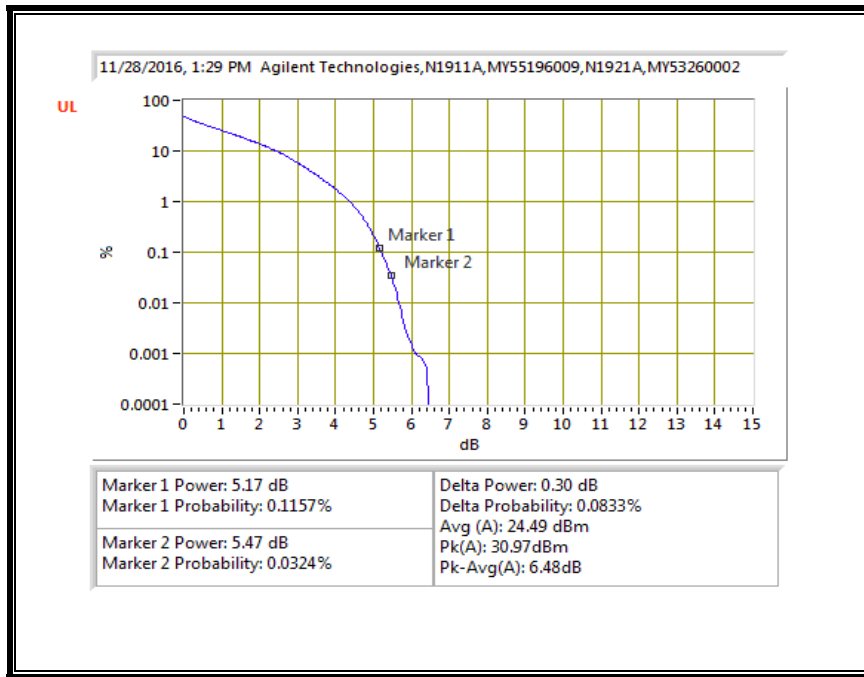
QPSK, (1.4 MHz BAND WIDTH)



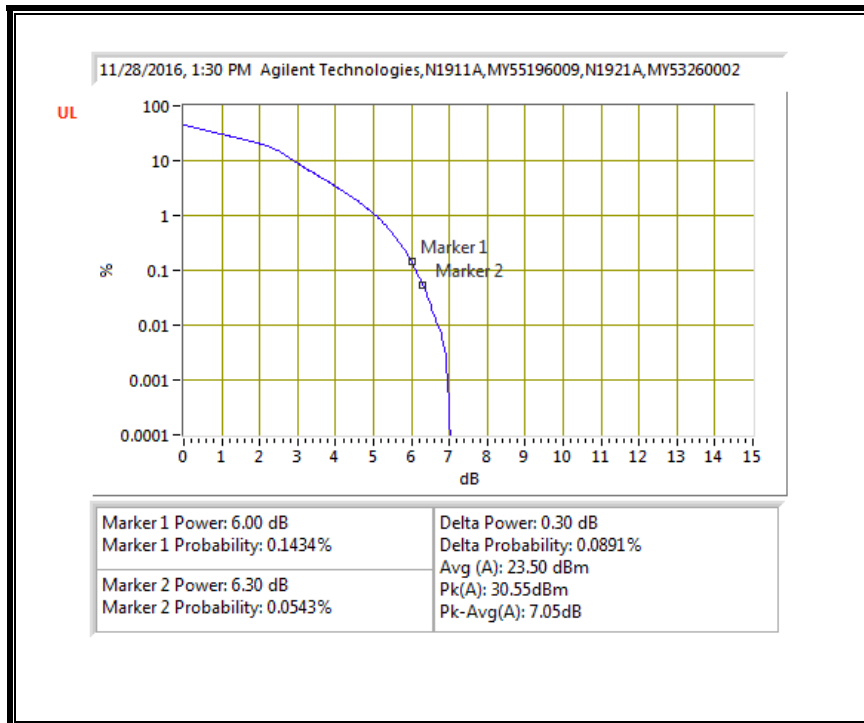
16QAM, (1.4 MHz BAND WIDTH)



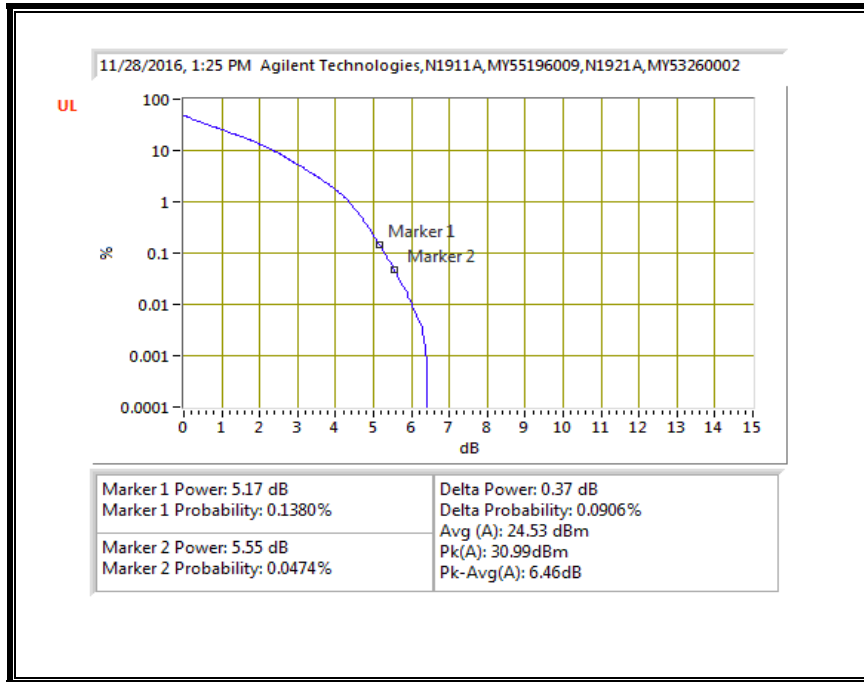
QPSK, (3.0 MHz BAND WIDTH)



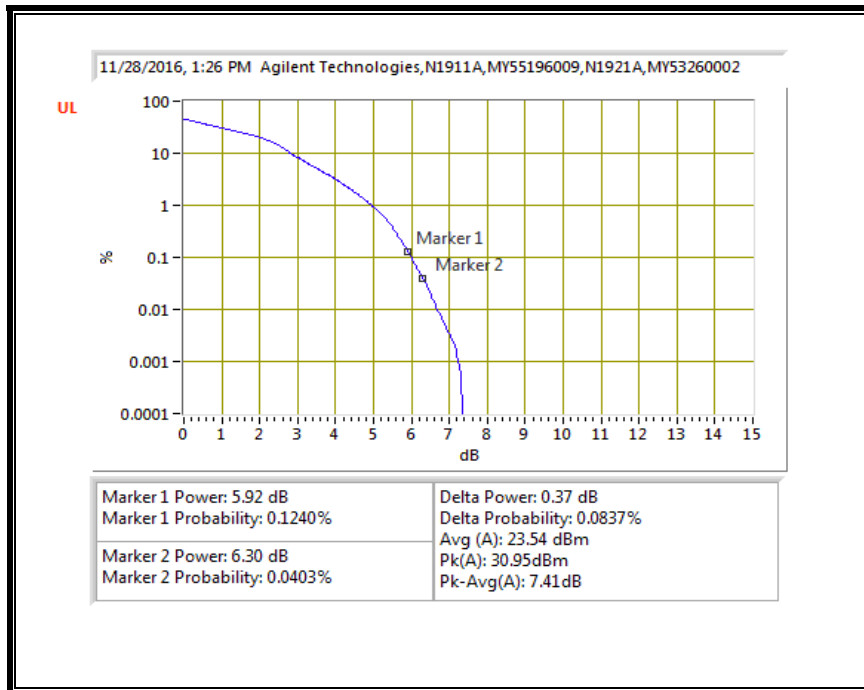
16QAM, (3.0 MHz BAND WIDTH)



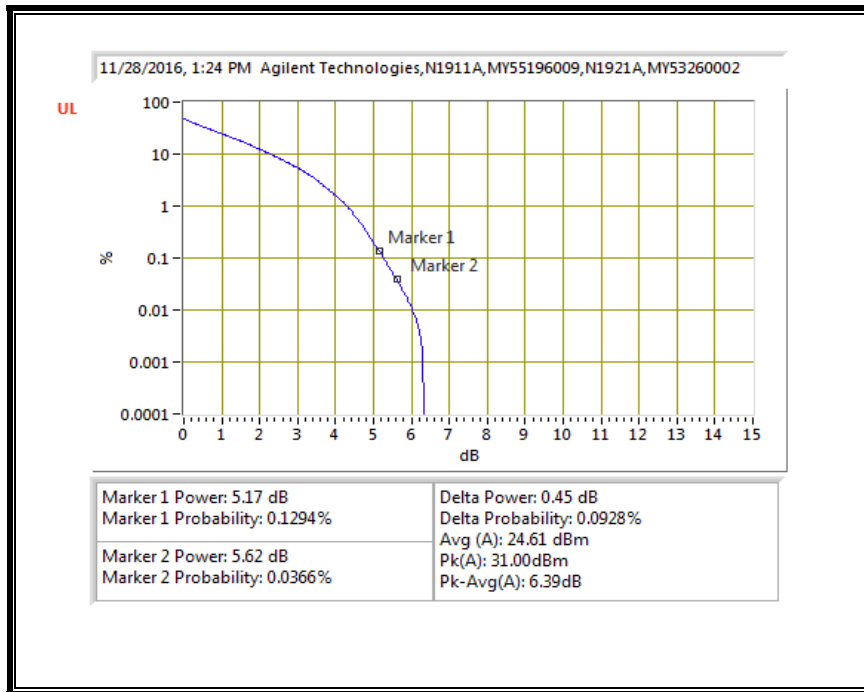
QPSK, (5.0 MHz BAND WIDTH)



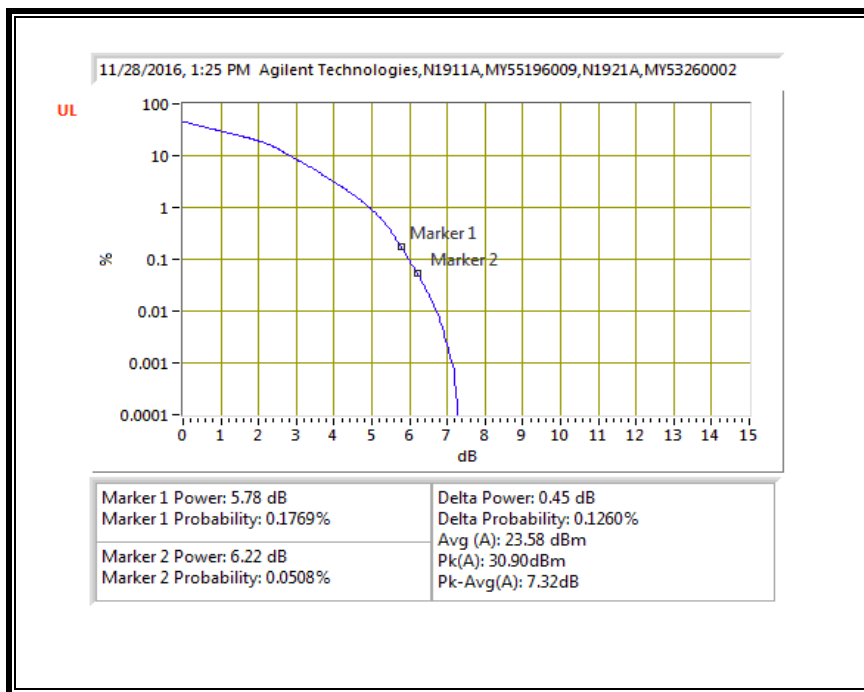
16QAM, (5.0 MHz BAND WIDTH)



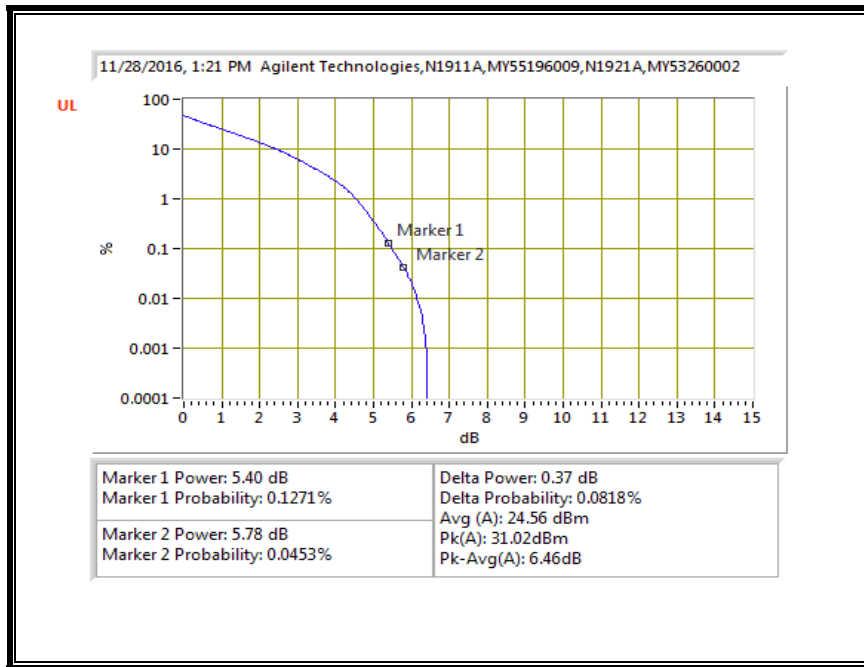
QPSK, (10.0 MHz BAND WIDTH)



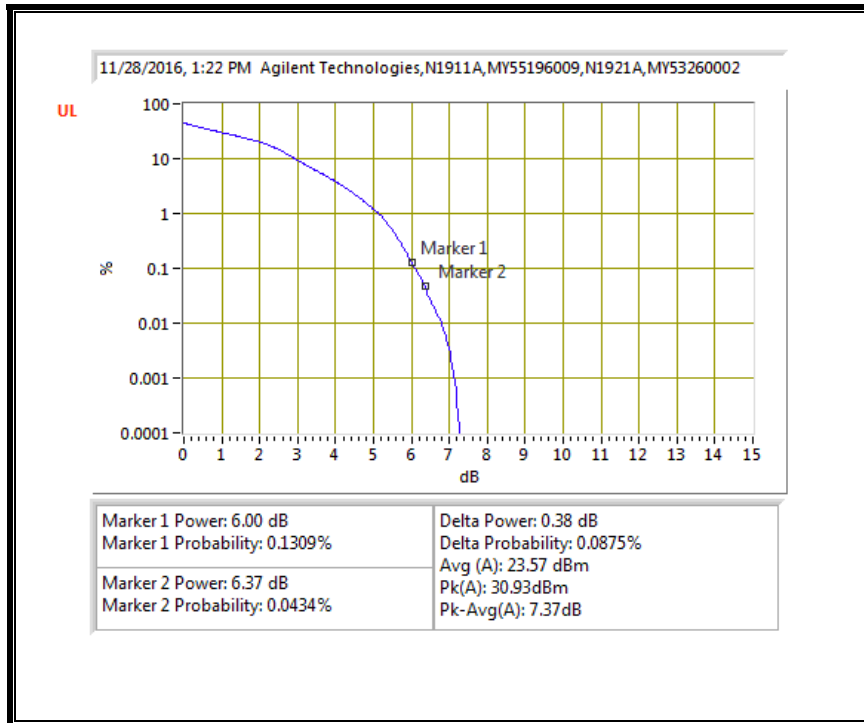
16QAM, (10.0 MHz BAND WIDTH)



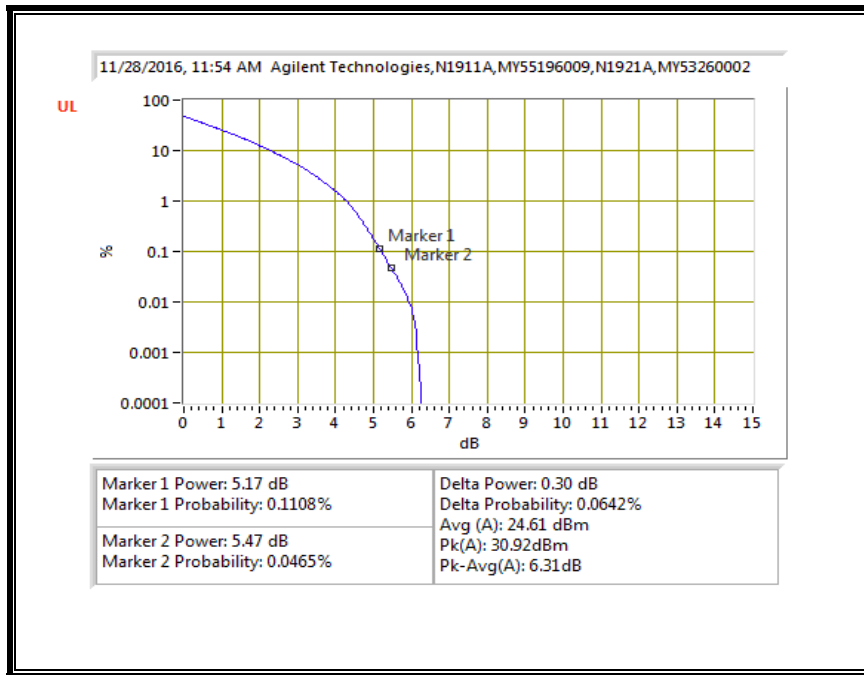
QPSK, (15.0 MHz BAND WIDTH)



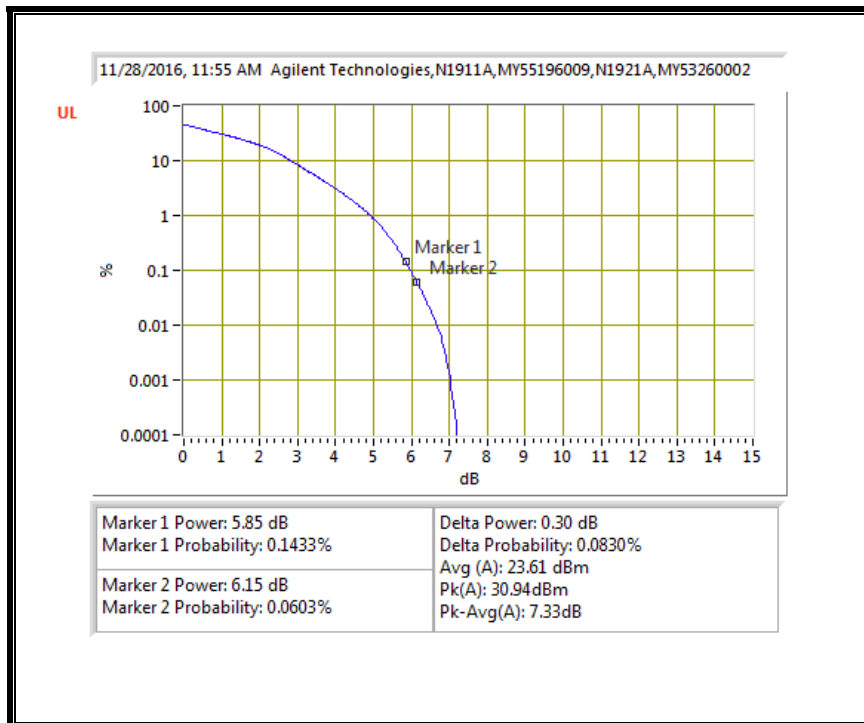
16QAM, (15.0 MHz BAND WIDTH)



QPSK, (20.0 MHz BAND WIDTH)

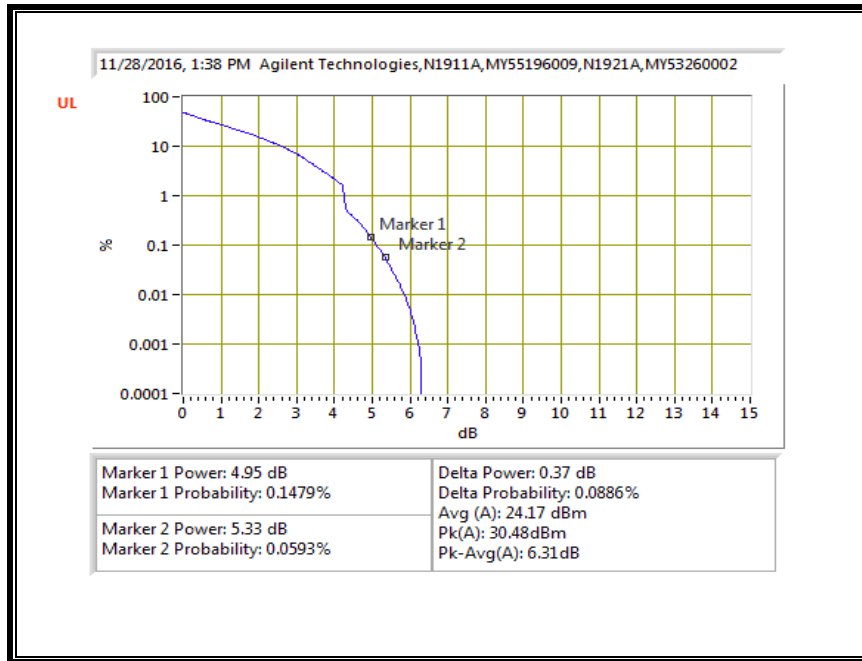


16QAM, (20.0 MHz BAND WIDTH)

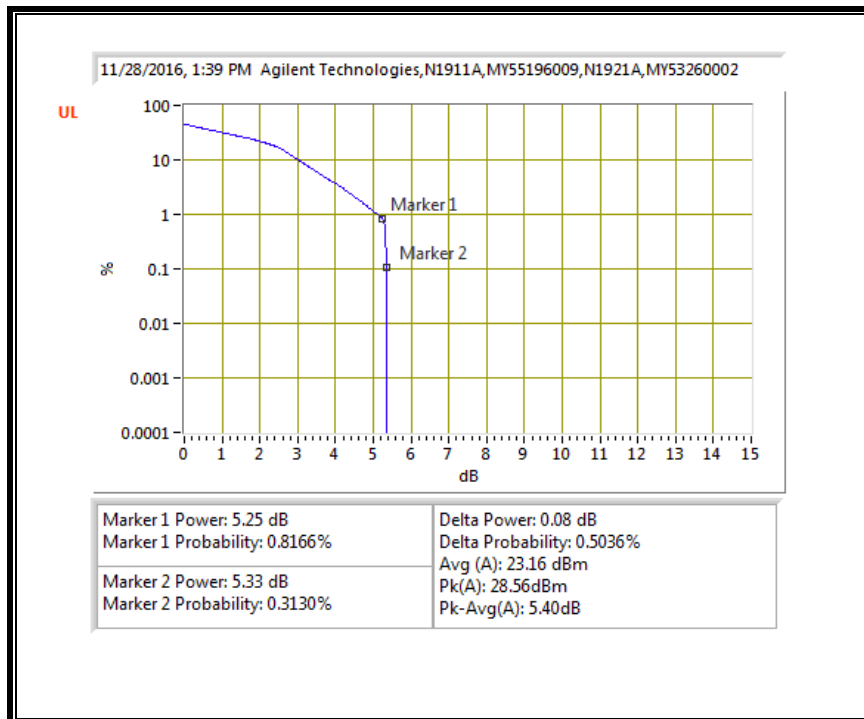


8.5.3. LTE BAND 5

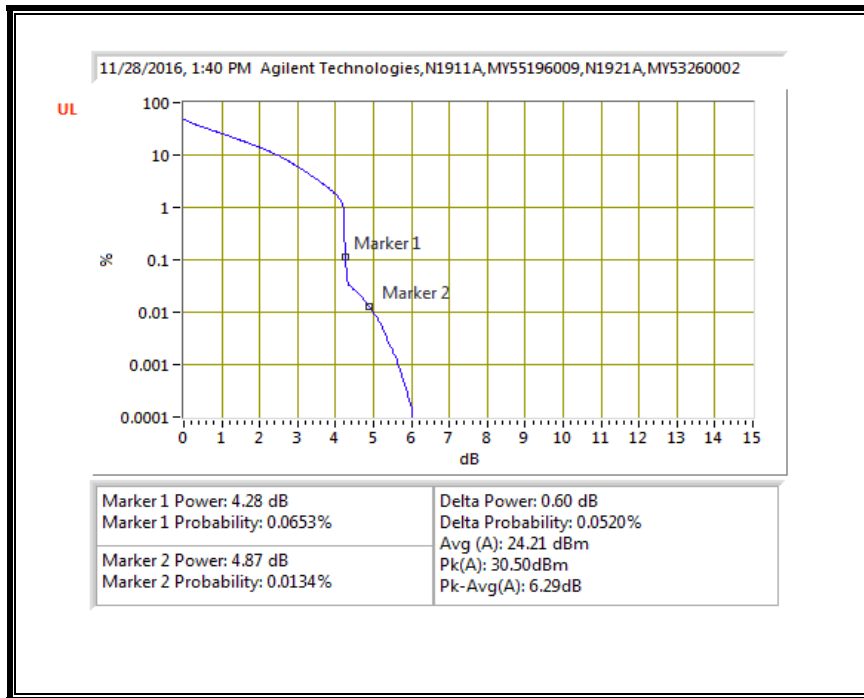
QPSK, (1.4 MHz BAND WIDTH)



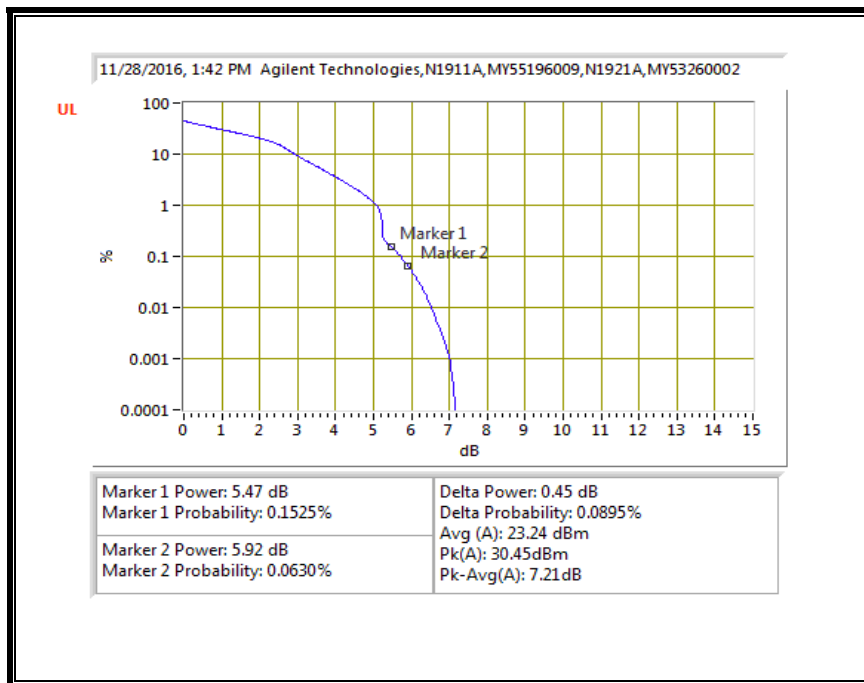
16QAM, (1.4 MHz BAND WIDTH)



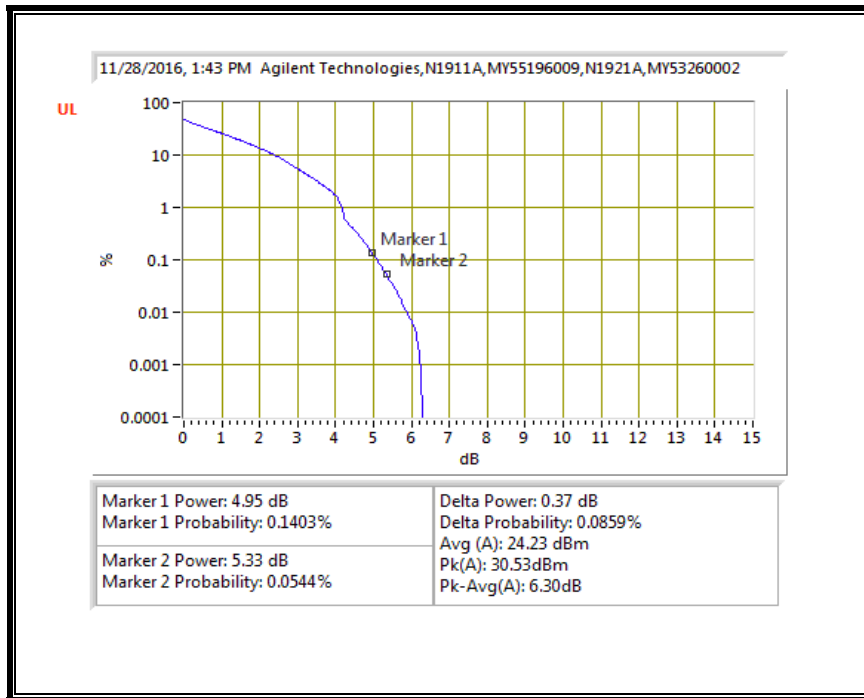
QPSK, (3.0 MHz BAND WIDTH)



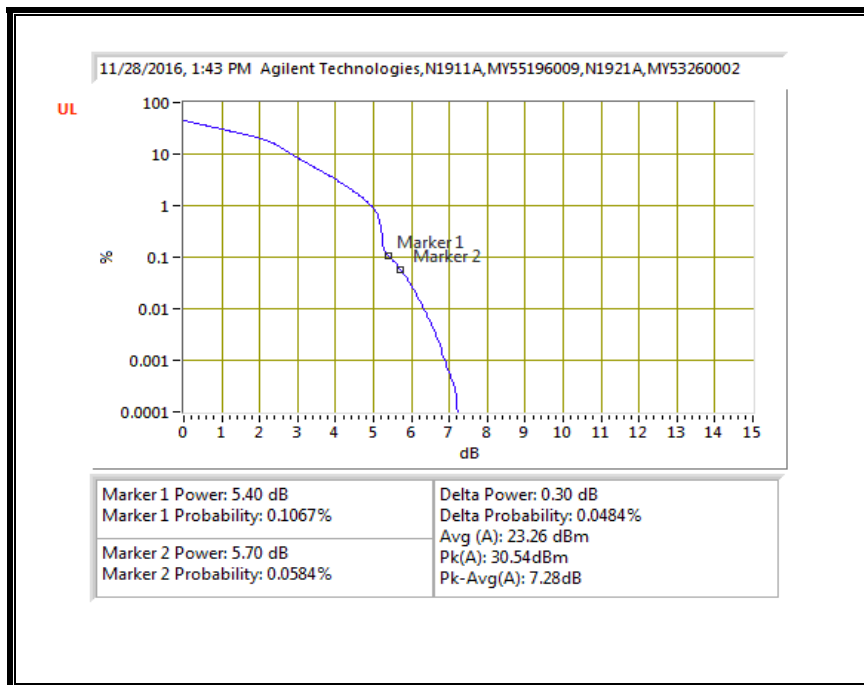
16QAM, (3.0 MHz BAND WIDTH)



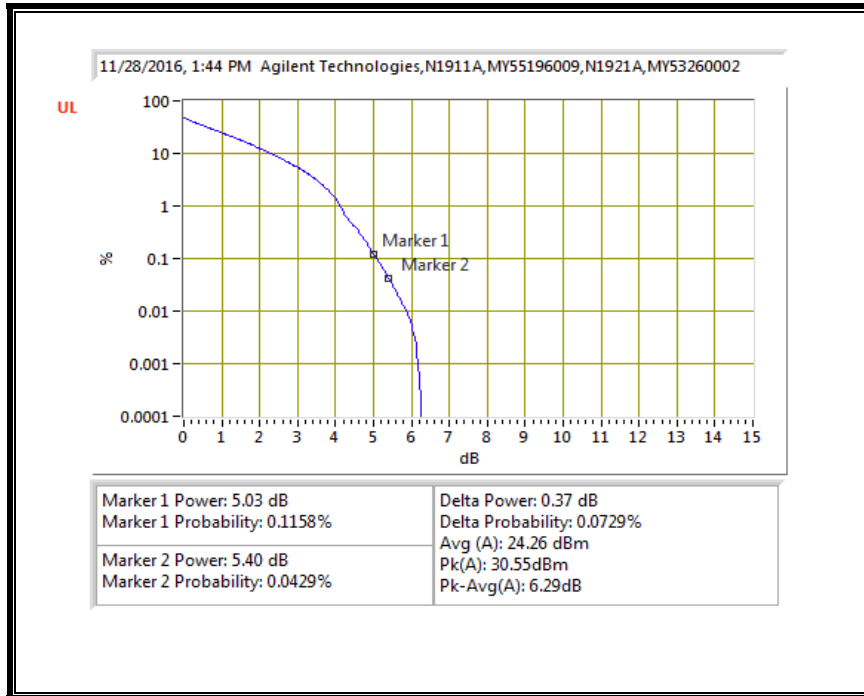
QPSK, (5.0 MHz BAND WIDTH)



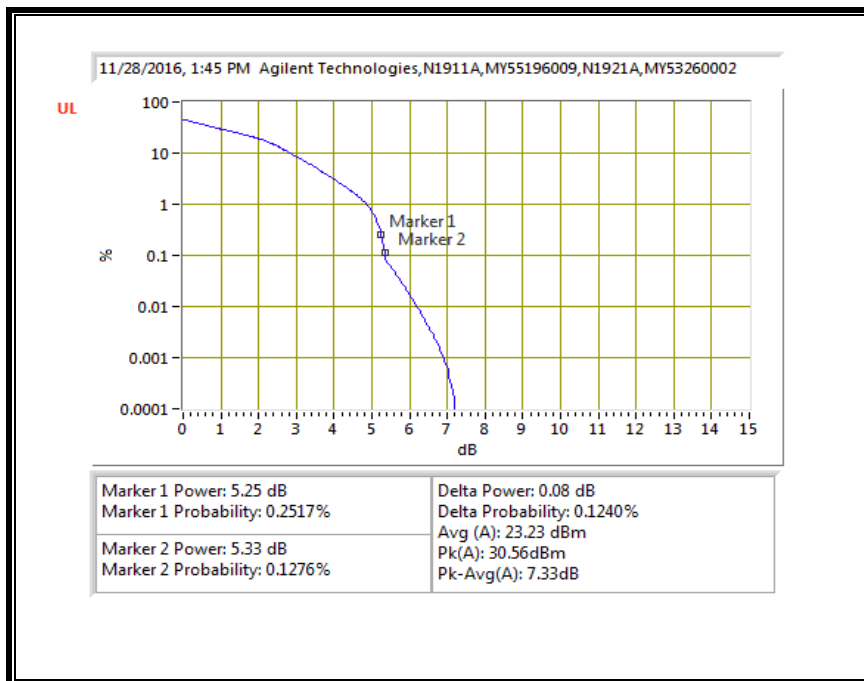
16QAM, (5.0 MHz BAND WIDTH)



QPSK, (10.0 MHz BAND WIDTH)

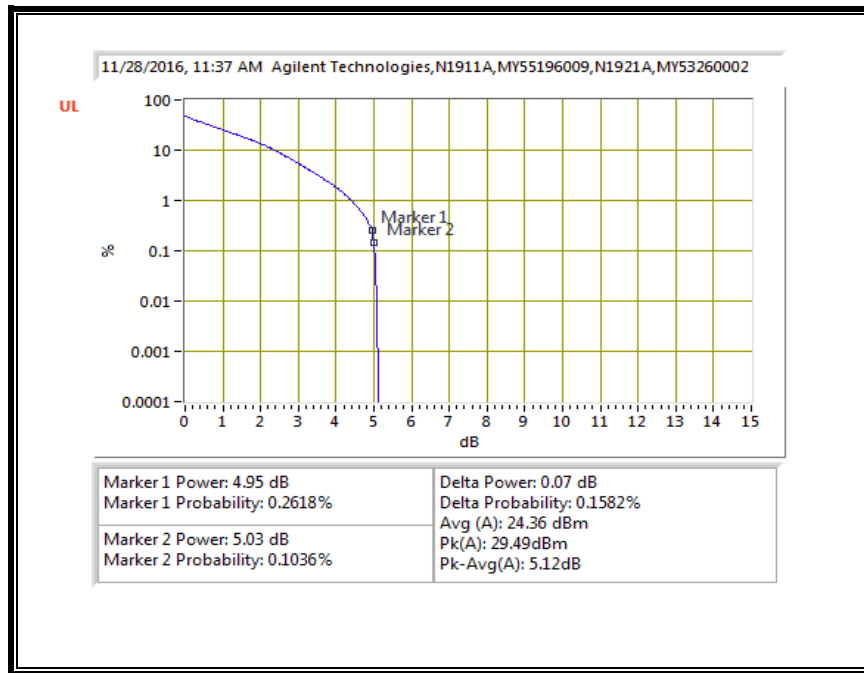


16QAM, (10.0 MHz BAND WIDTH)

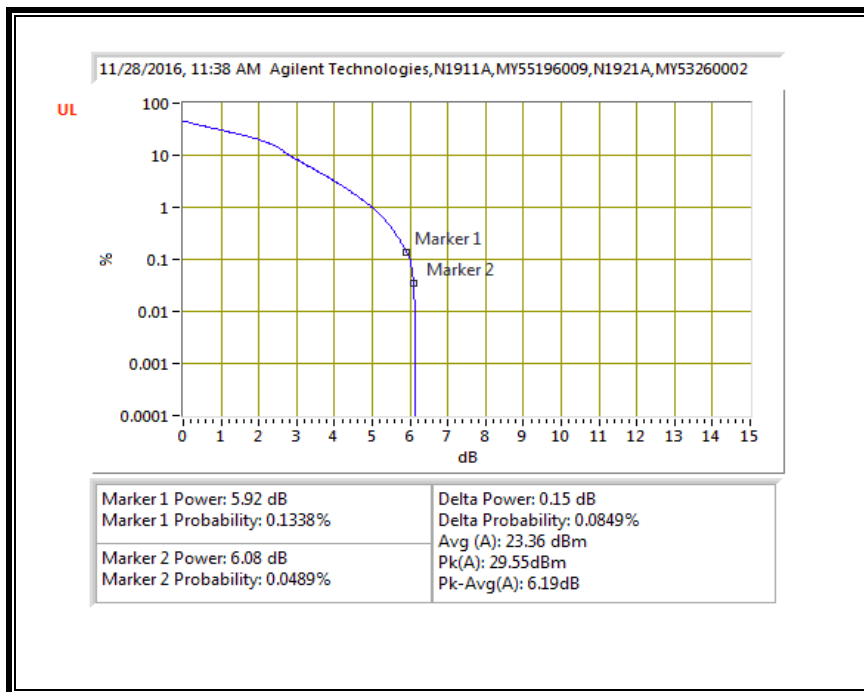


8.5.4. LTE BAND 7

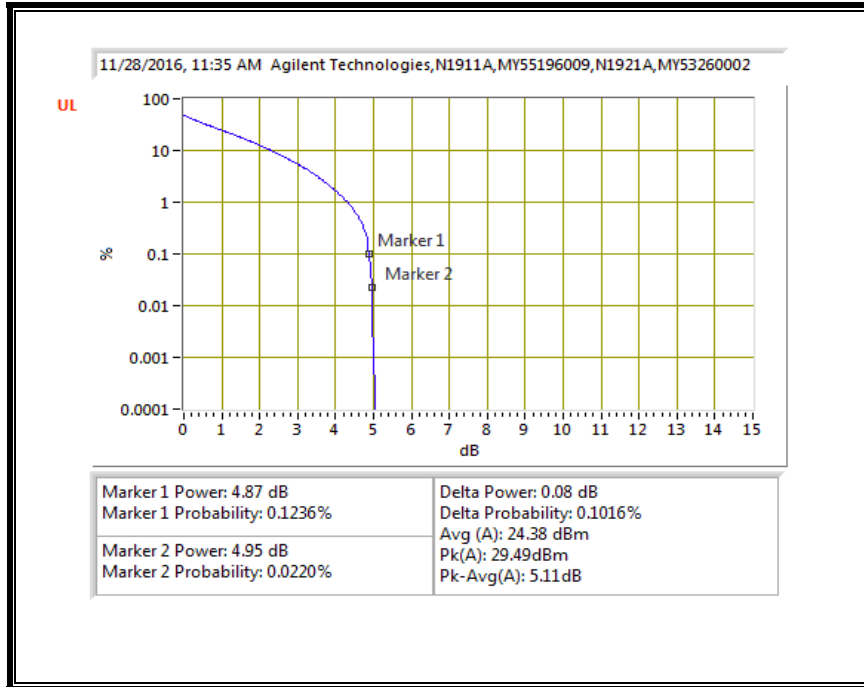
QPSK, (5.0 MHz BAND WIDTH)



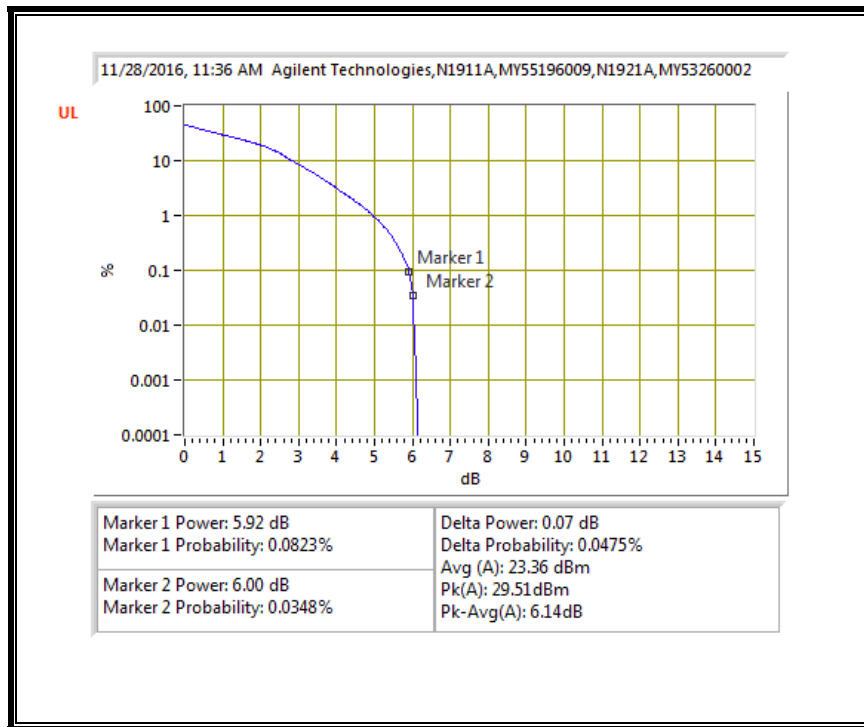
16QAM, (5.0 MHz BAND WIDTH)



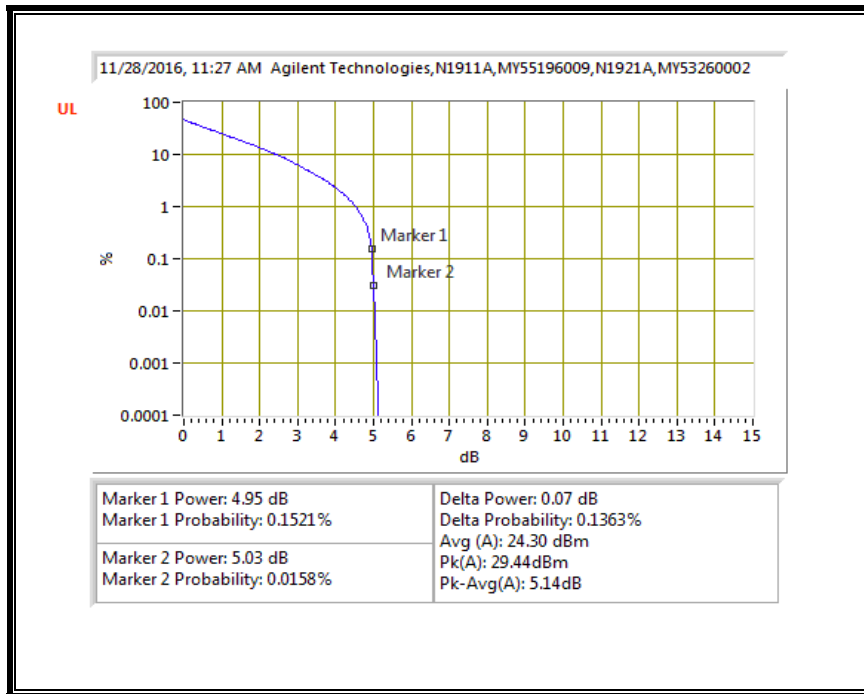
QPSK, (10.0 MHz BAND WIDTH)



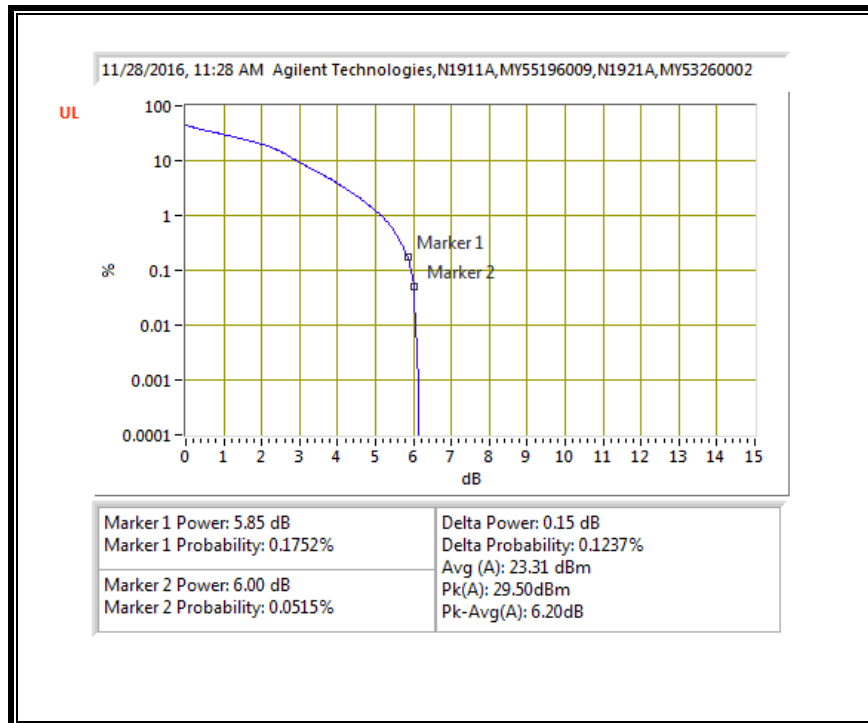
16QAM, (10.0 MHz BAND WIDTH)



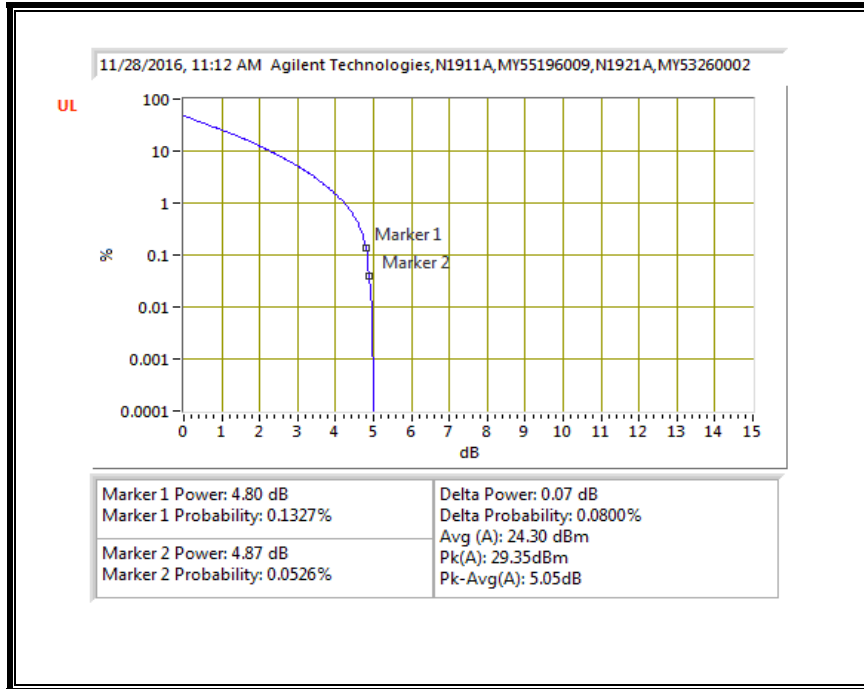
QPSK, (15.0 MHz BAND WIDTH)



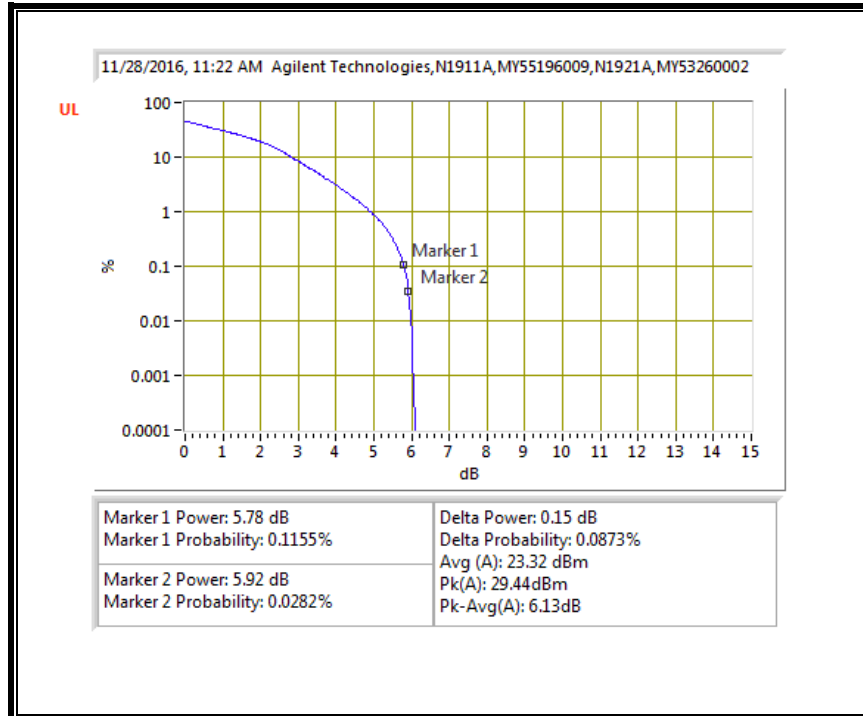
16QAM, (15.0 MHz BAND WIDTH)



QPSK, (20.0 MHz BAND WIDTH)

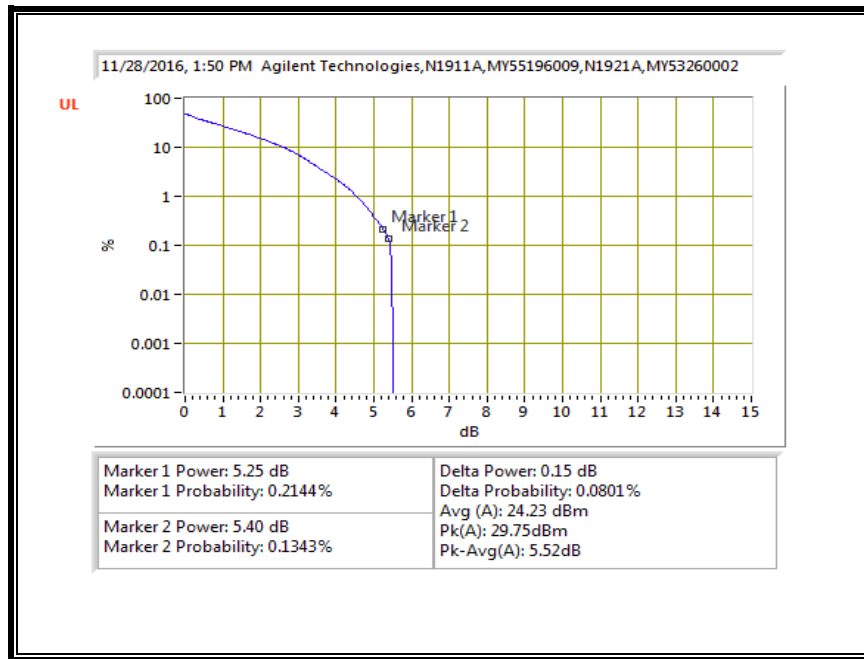


16QAM, (20.0 MHz BAND WIDTH)

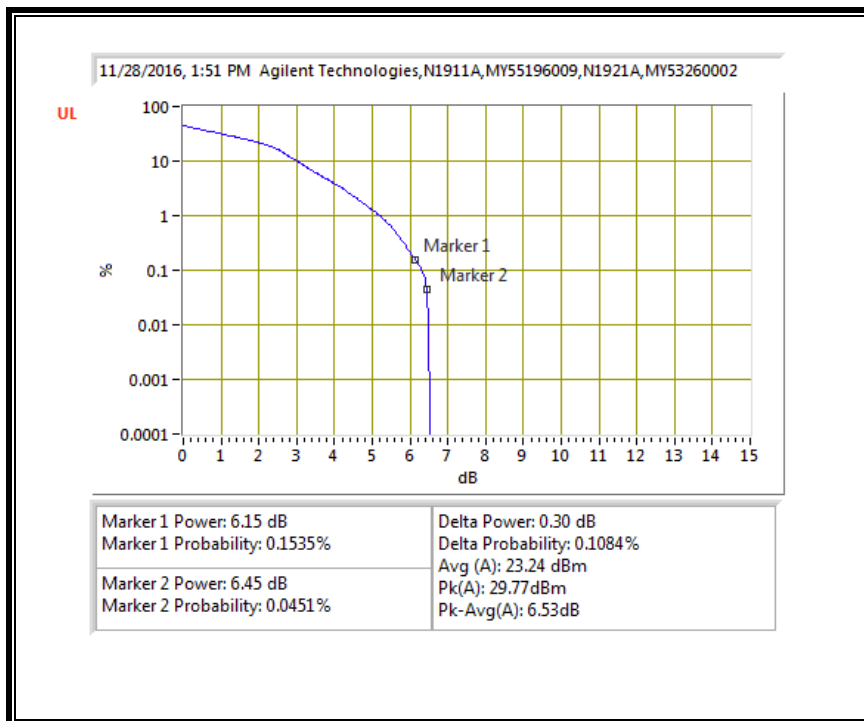


8.5.5. LTE BAND 12

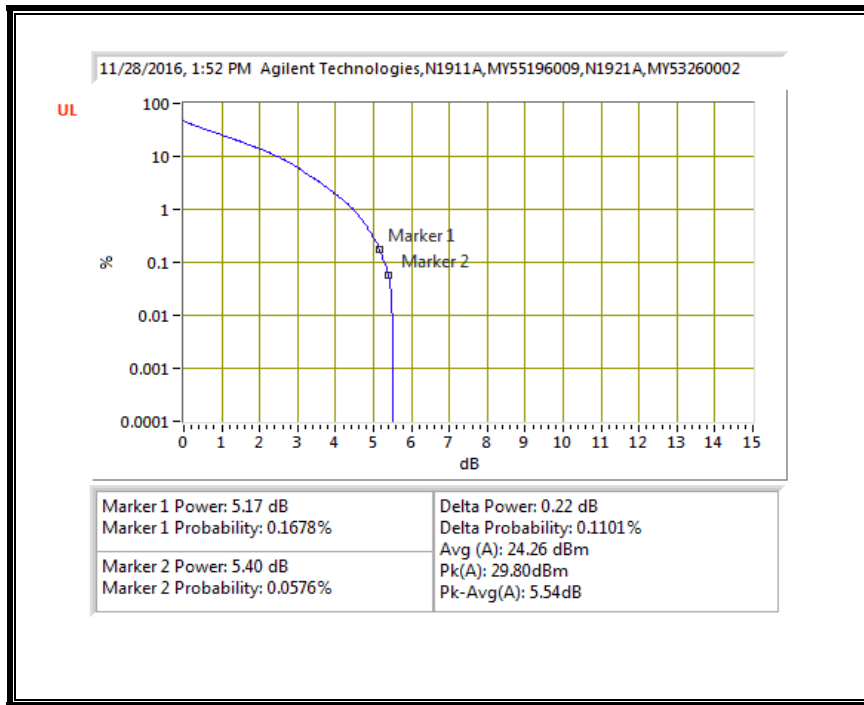
QPSK, (1.4 MHz BAND WIDTH)



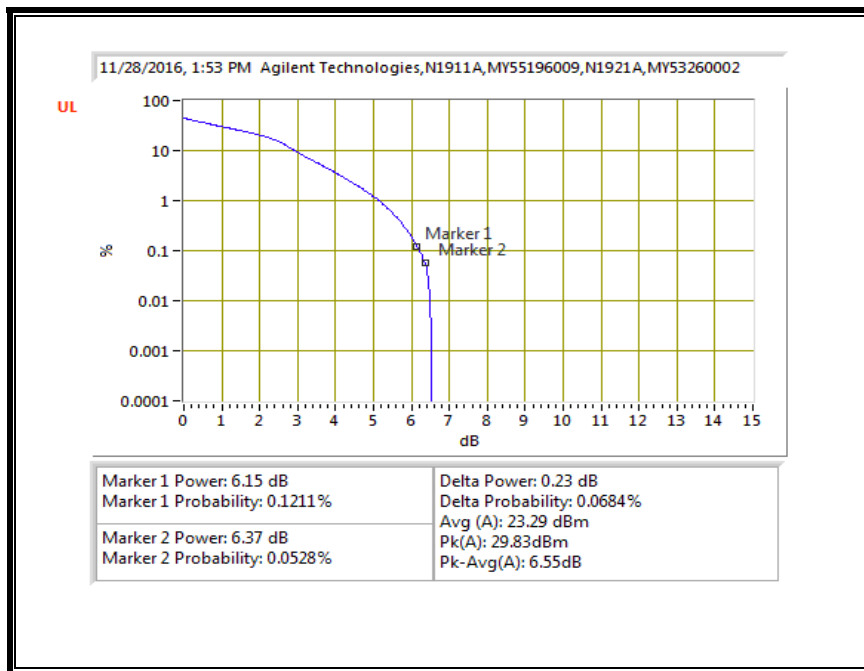
16QAM, (1.4 MHz BAND WIDTH)



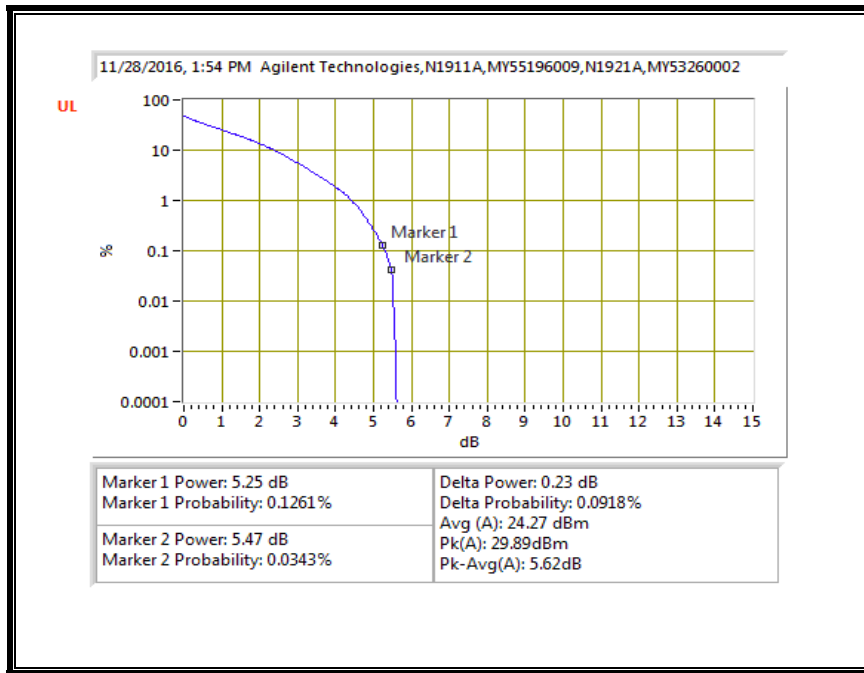
QPSK, (3.0 MHz BAND WIDTH)



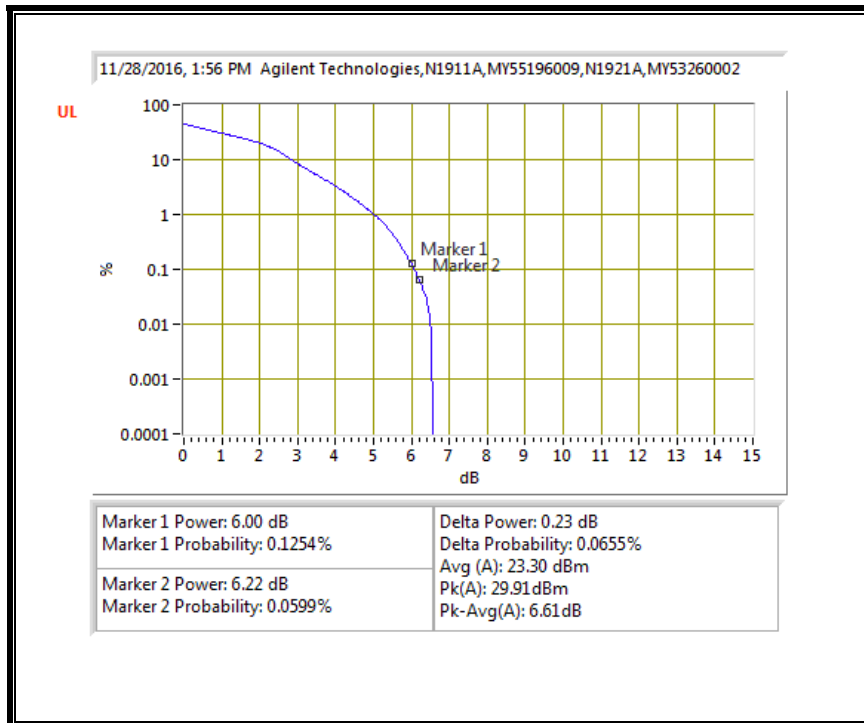
16QAM, (3.0 MHz BAND WIDTH)



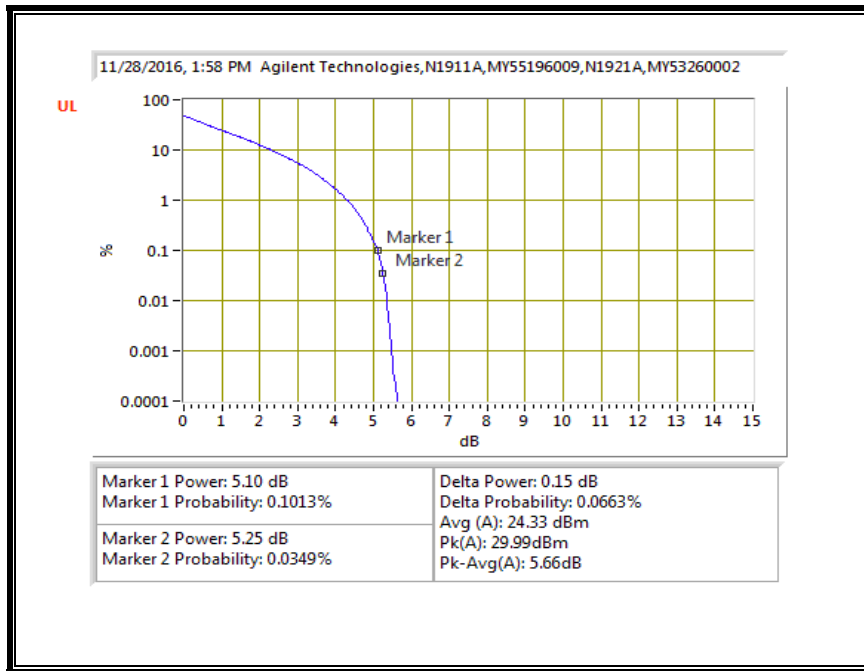
QPSK, (5.0 MHz BAND WIDTH)



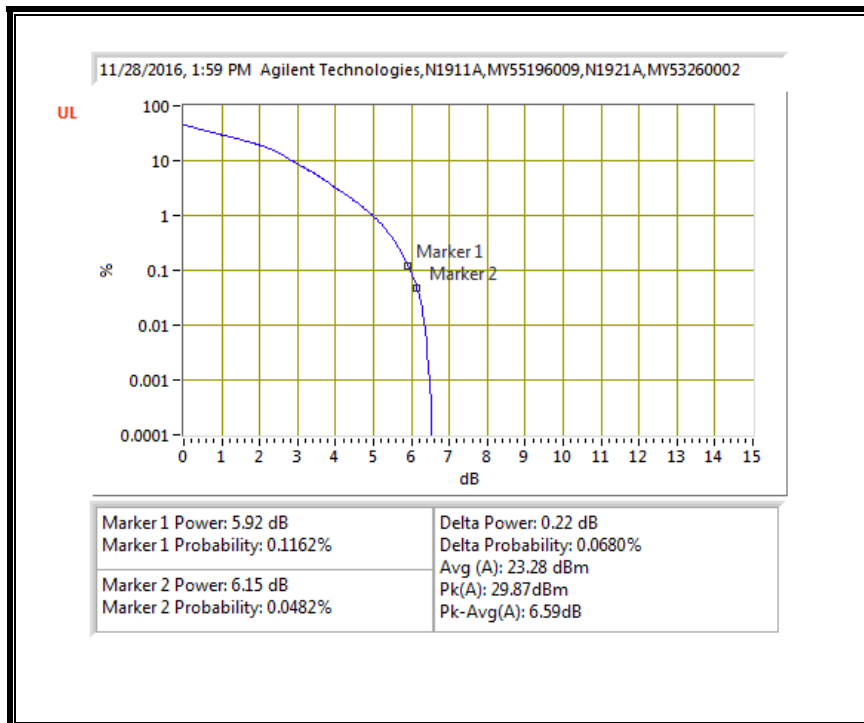
16QAM, (5.0 MHz BAND WIDTH)



QPSK, (10.0 MHz BAND WIDTH)

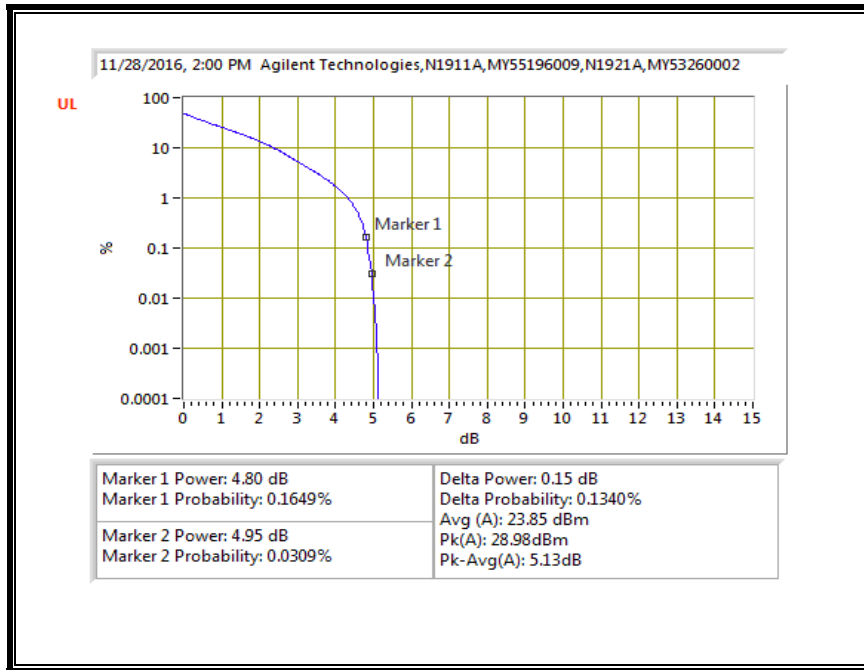


16QAM, (10.0 MHz BAND WIDTH)

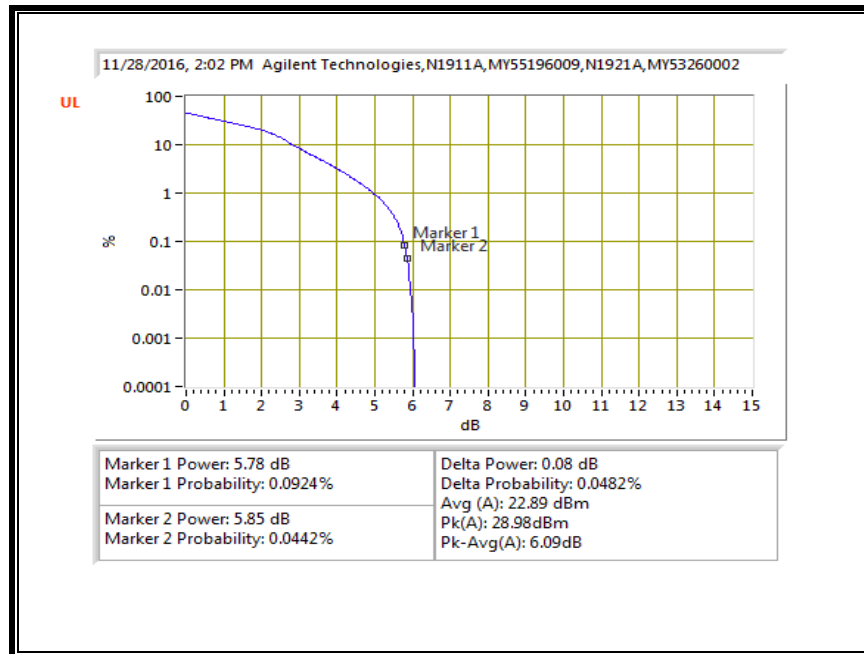


8.5.6. LTE BAND 13

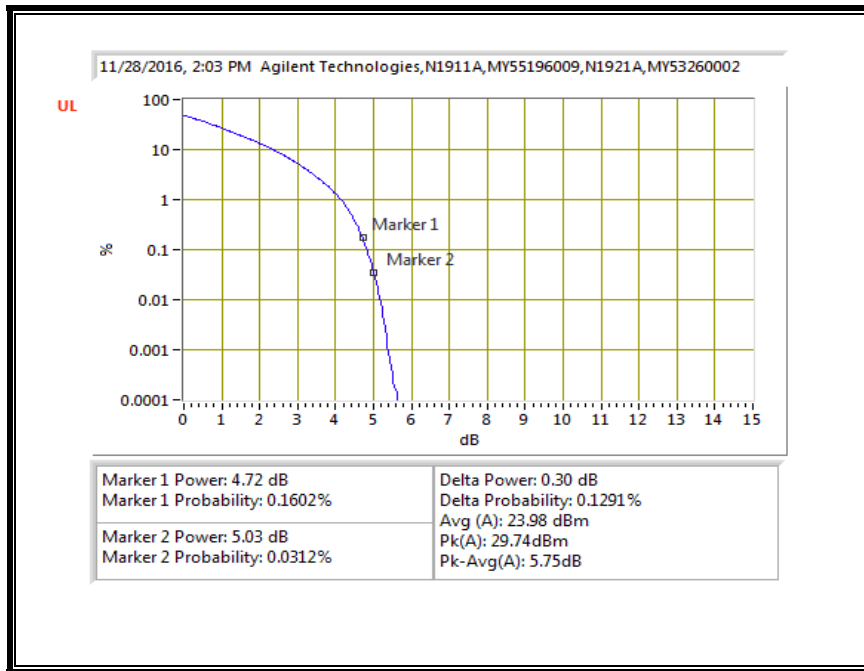
QPSK, (5.0 MHz BAND WIDTH)



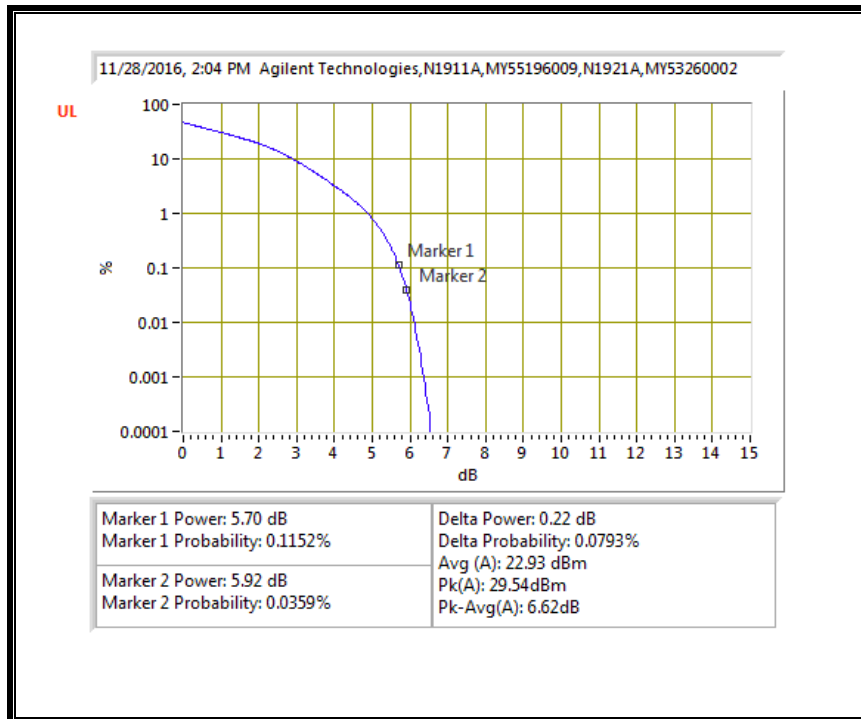
16QAM, (5.0 MHz BAND WIDTH)



QPSK, (10.0 MHz BAND WIDTH)

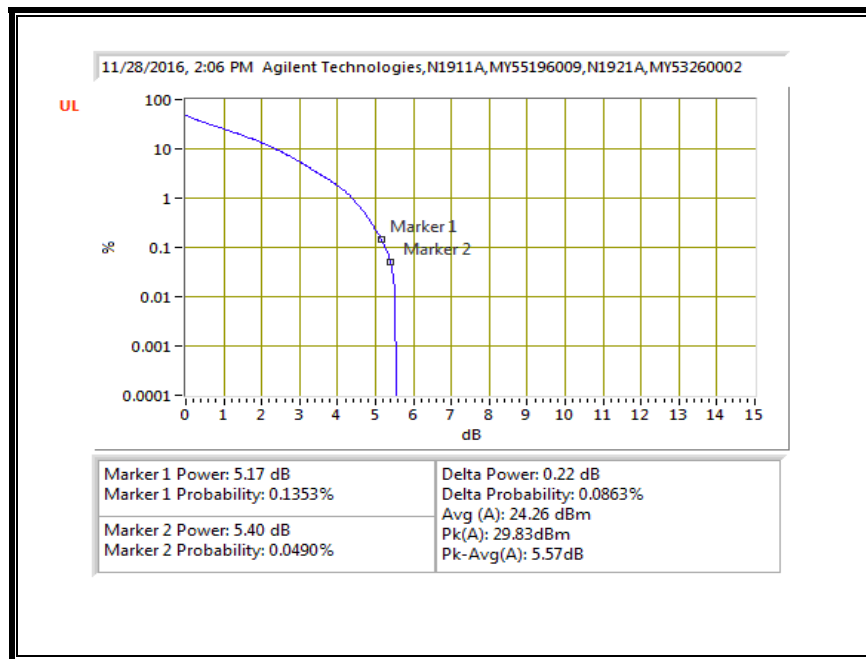


16QAM, (10.0 MHz BAND WIDTH)

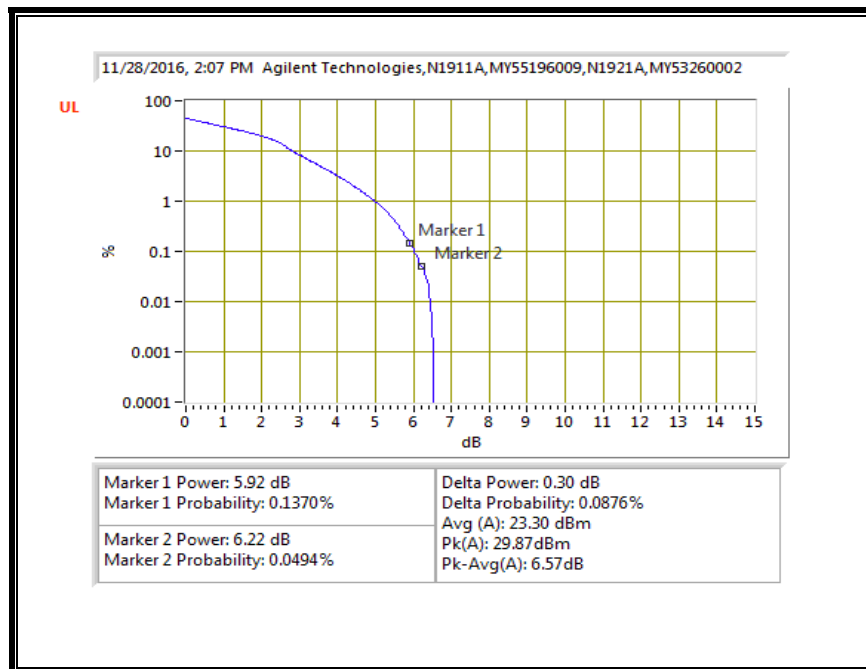


8.5.7. LTE BAND 17

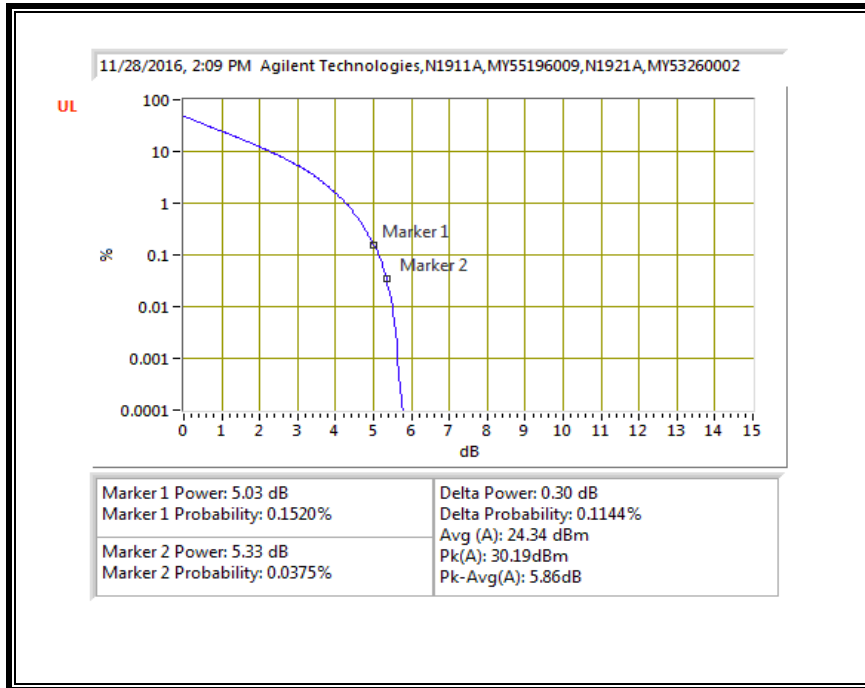
QPSK, (5.0 MHz BAND WIDTH)



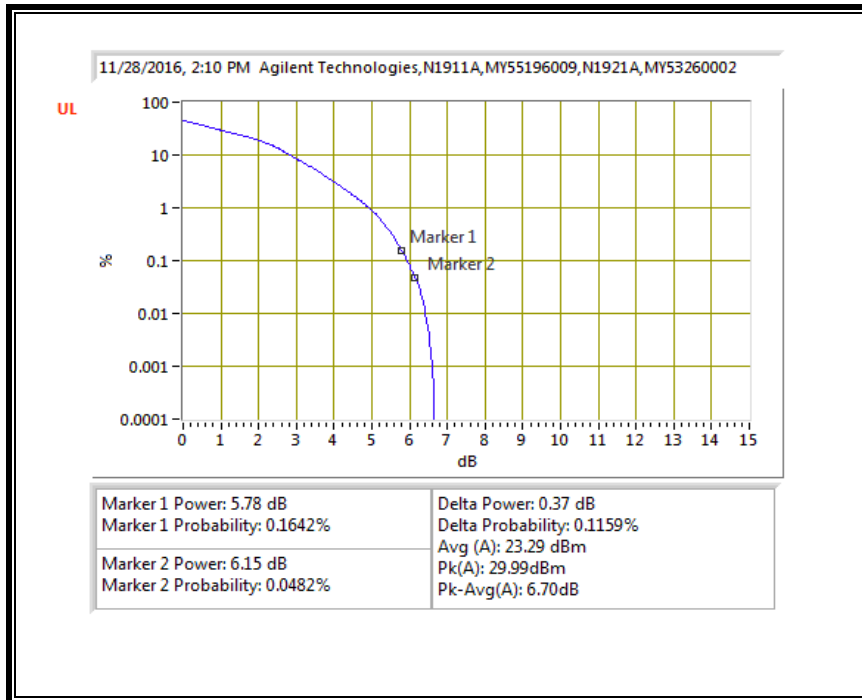
16QAM, (5.0 MHz BAND WIDTH)



QPSK, (10.0 MHz BAND WIDTH)

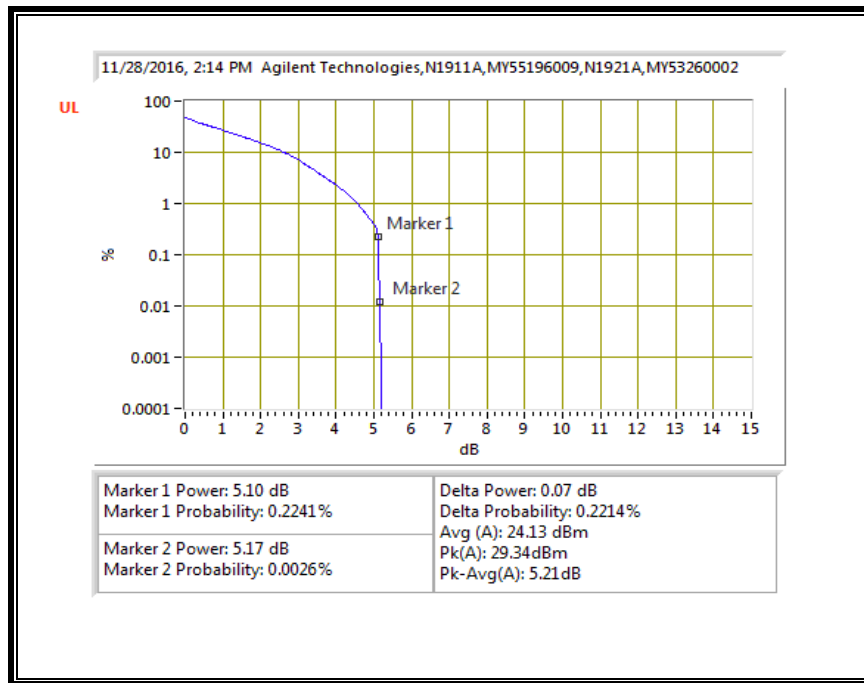


16QAM, (10.0 MHz BAND WIDTH)

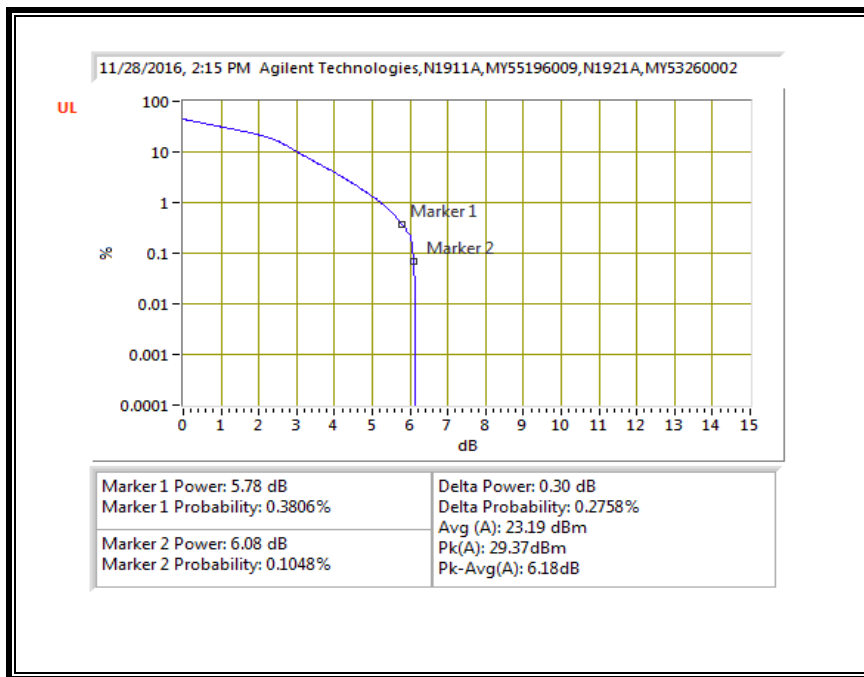


8.5.8. LTE BAND 25

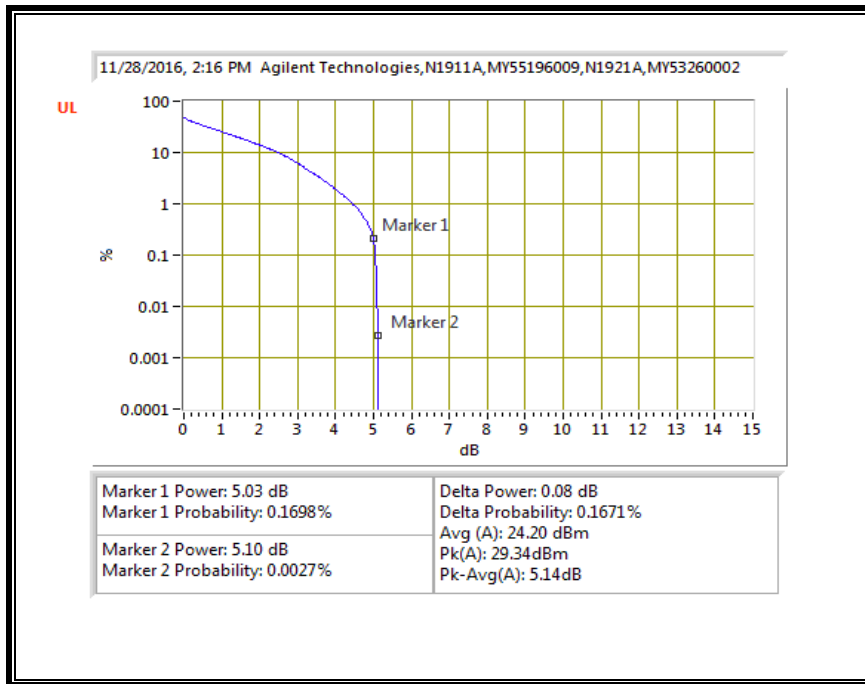
QPSK, (1.4 MHz BAND WIDTH)



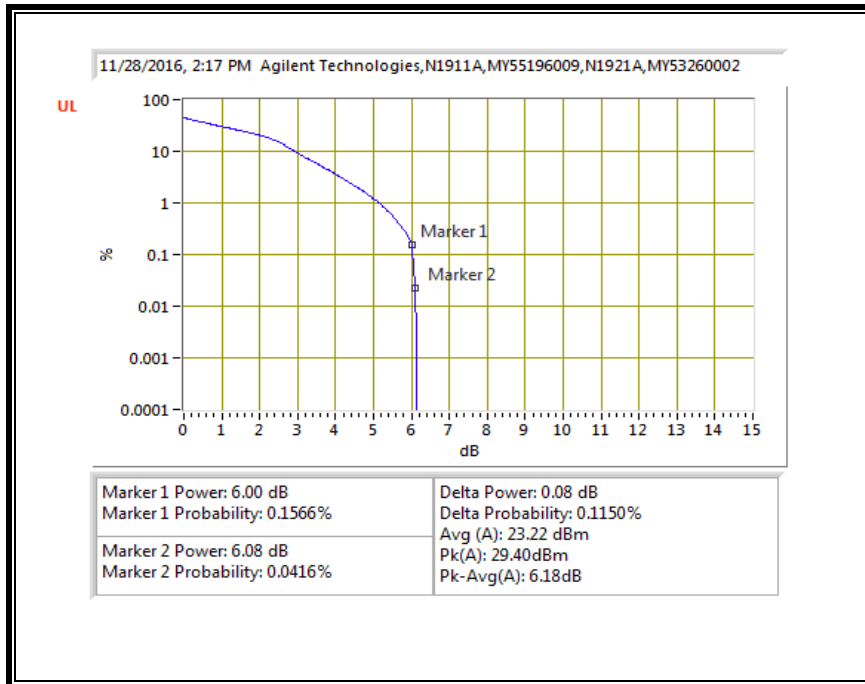
16QAM, (1.4 MHz BAND WIDTH)



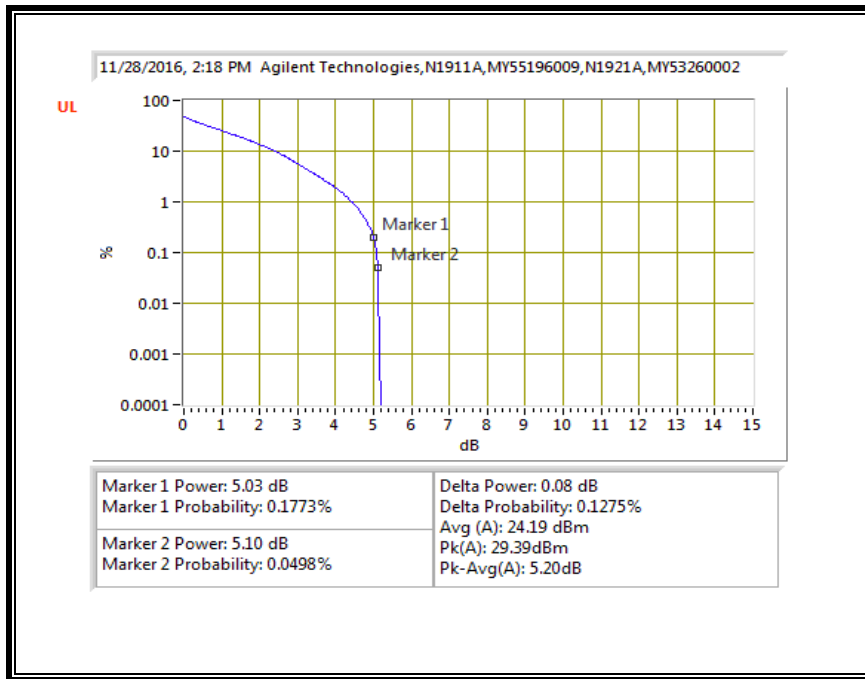
QPSK, (3.0 MHz BAND WIDTH)



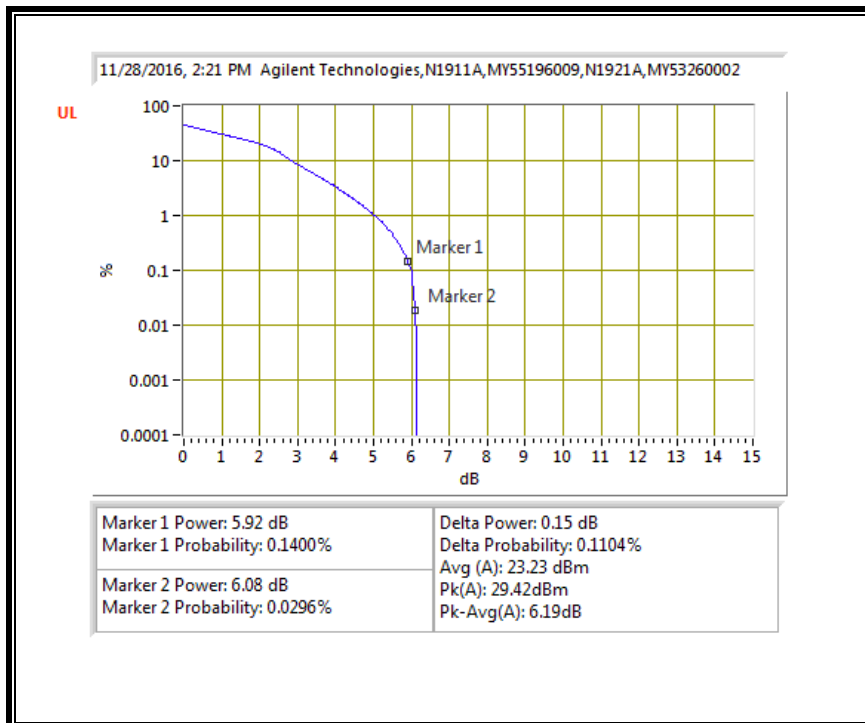
16QAM, (3.0 MHz BAND WIDTH)



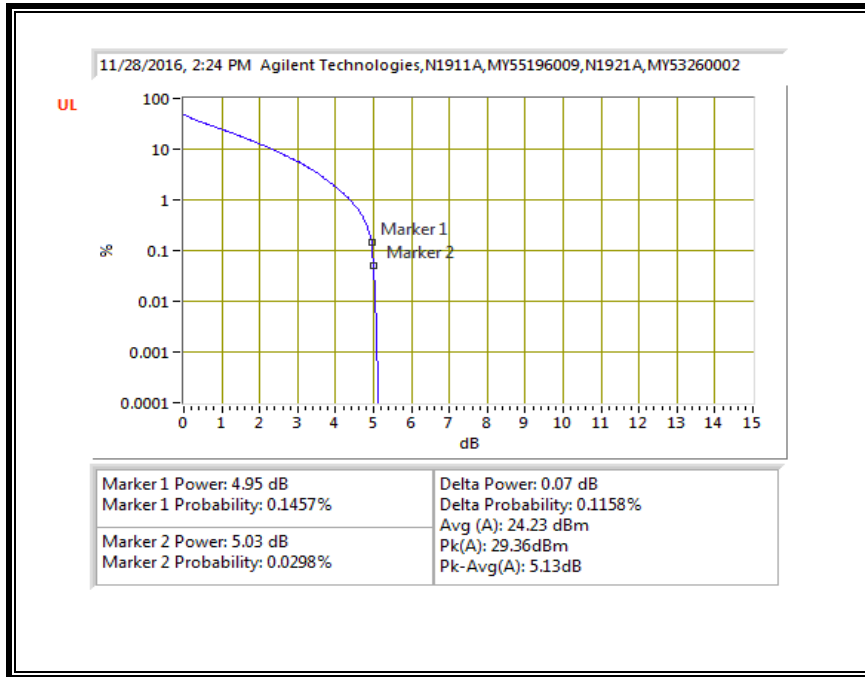
QPSK, (5.0 MHz BAND WIDTH)



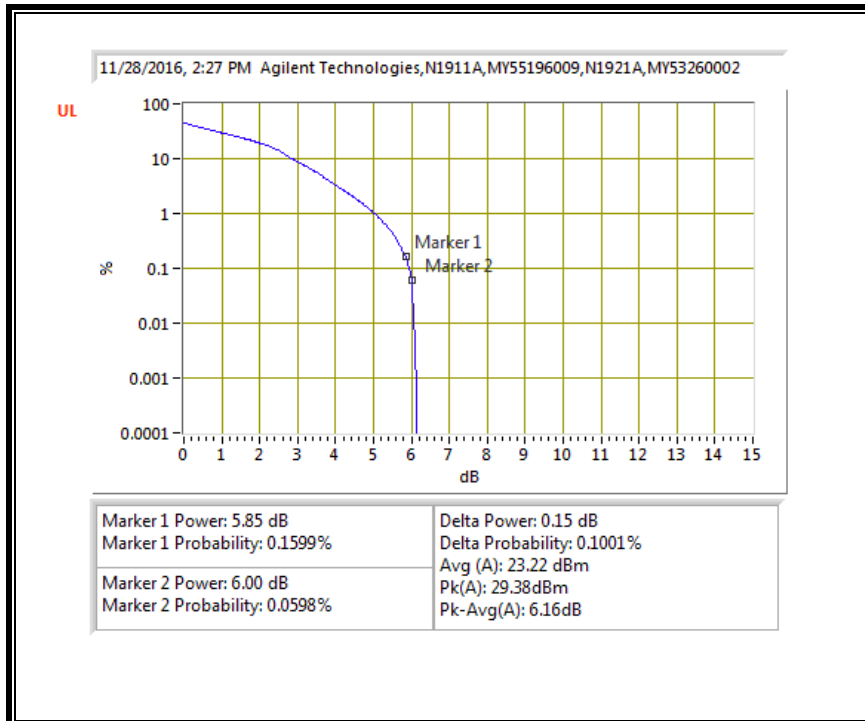
16QAM, (5.0 MHz BAND WIDTH)



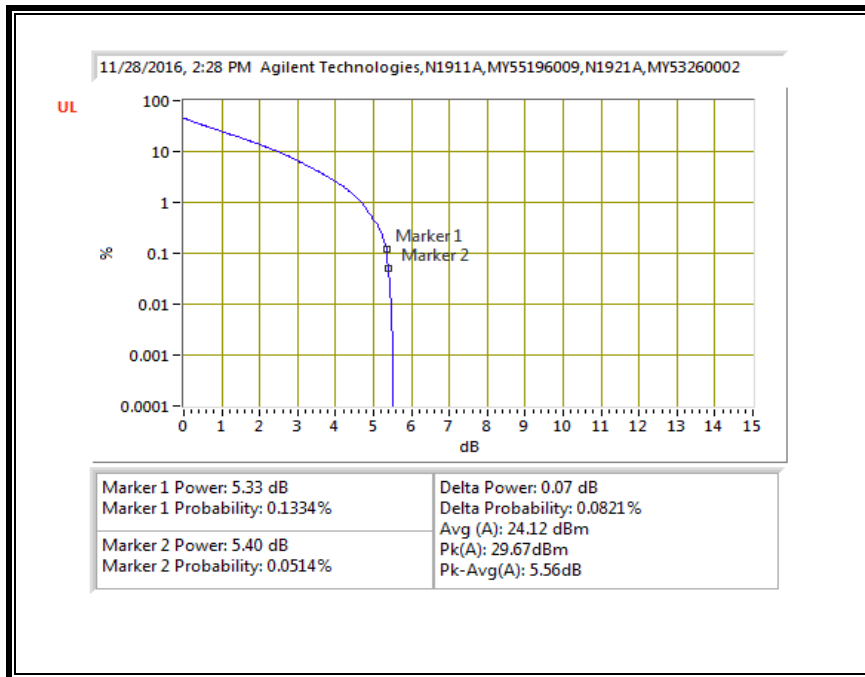
QPSK, (10.0 MHz BAND WIDTH)



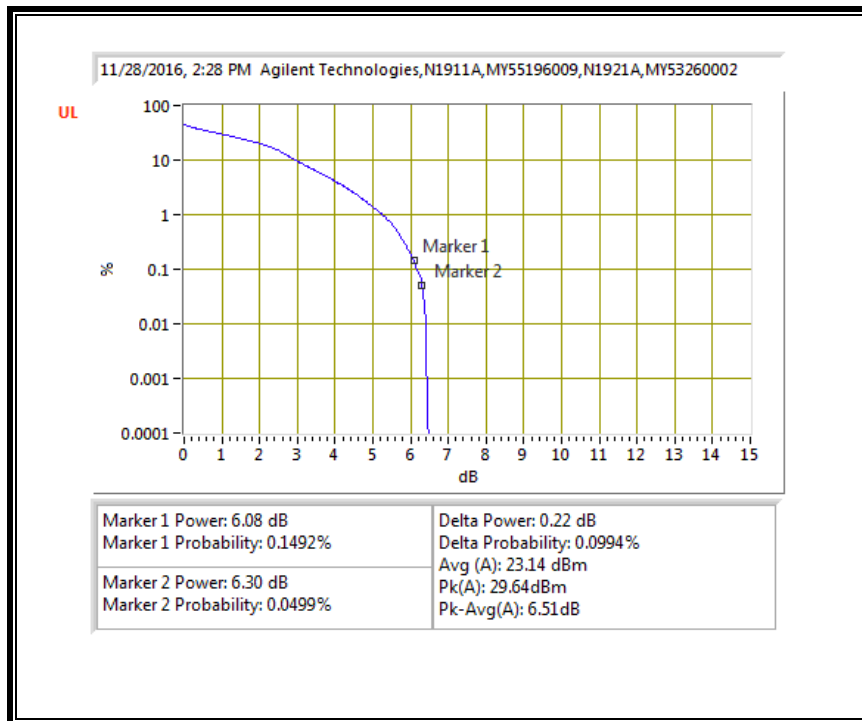
16QAM, (10.0 MHz BAND WIDTH)



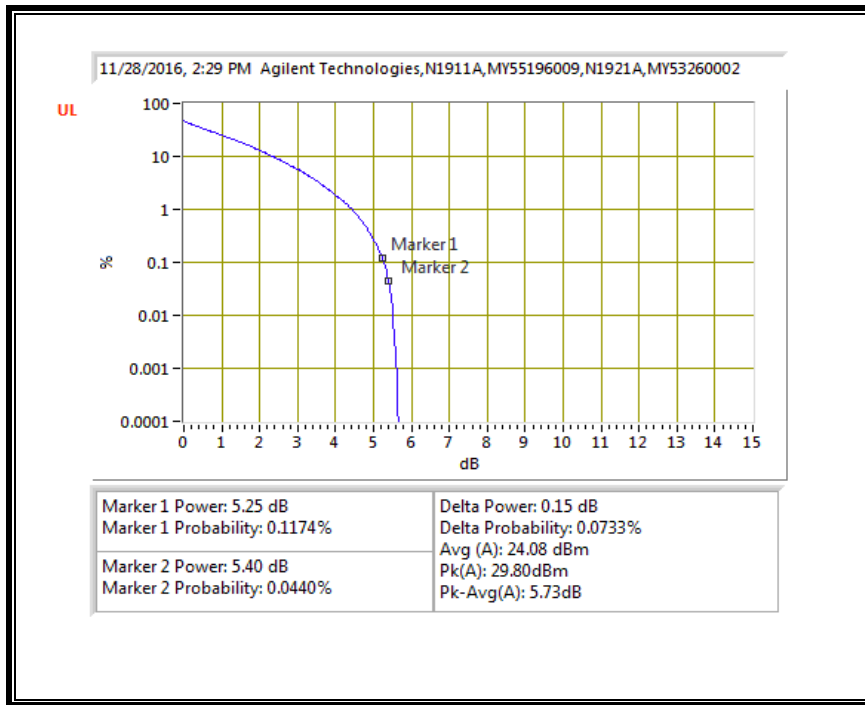
QPSK, (15.0 MHz BAND WIDTH)



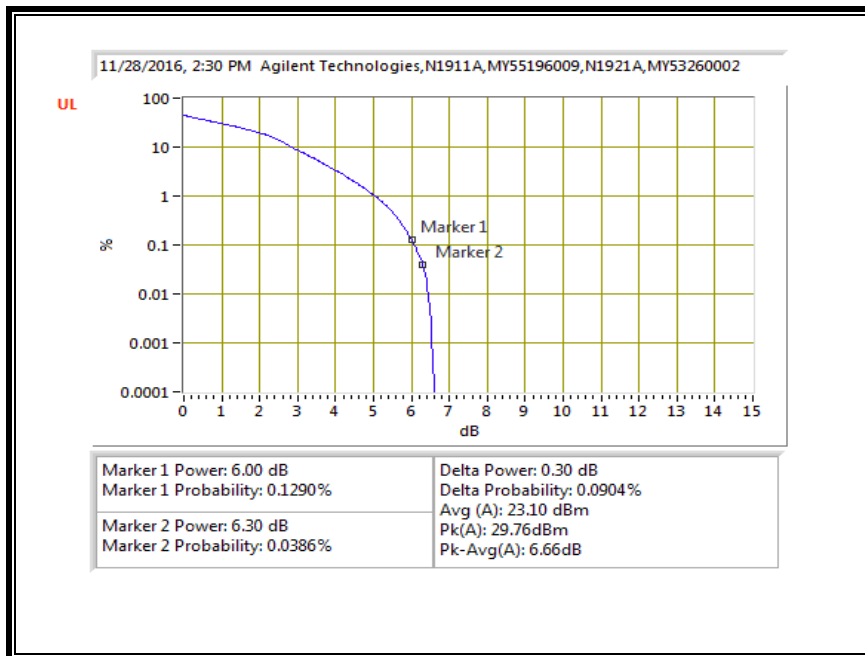
16QAM, (15.0 MHz BAND WIDTH)



QPSK, (20.0 MHz BAND WIDTH)

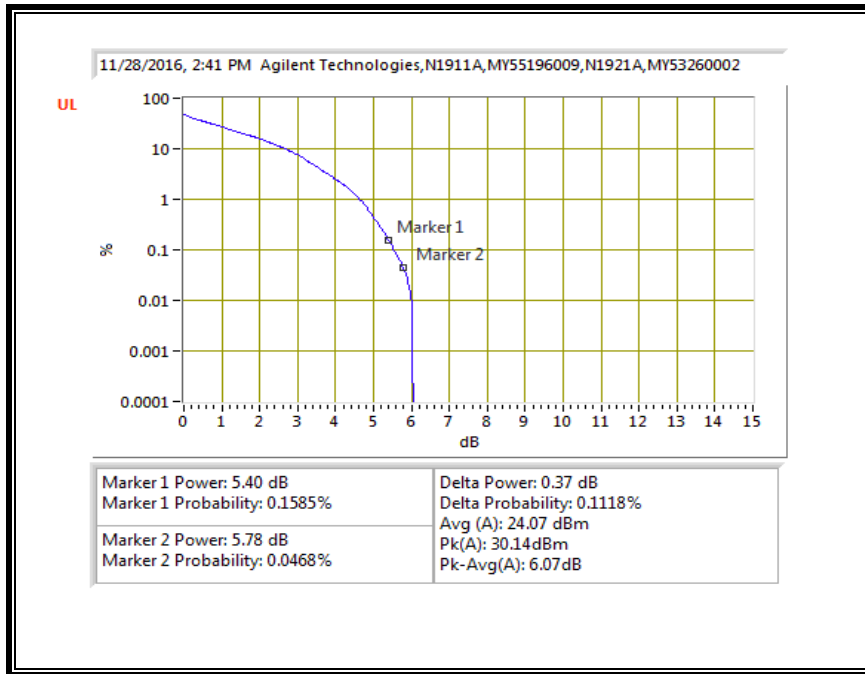


16QAM, (20.0 MHz BAND WIDTH)

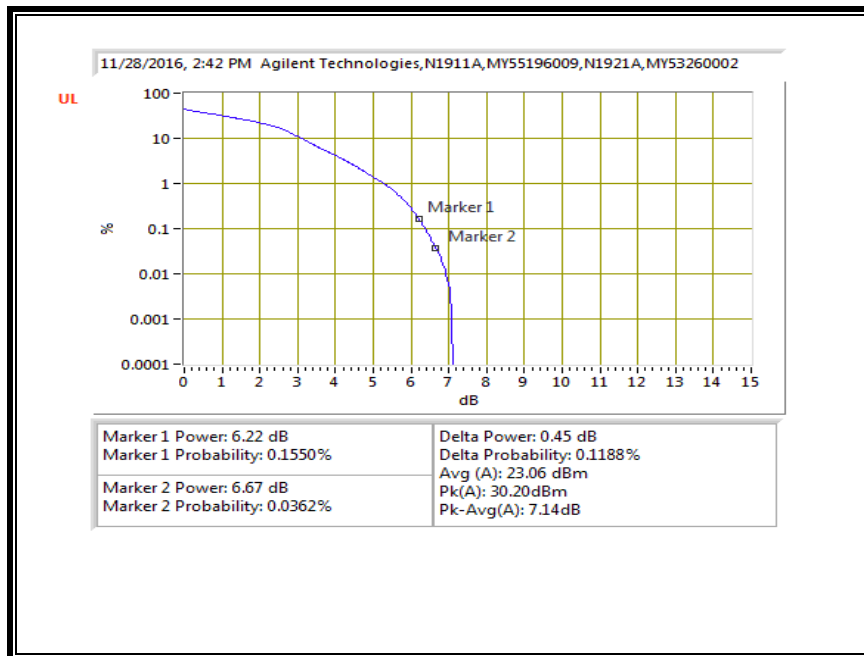


8.5.9. LTE BAND 26

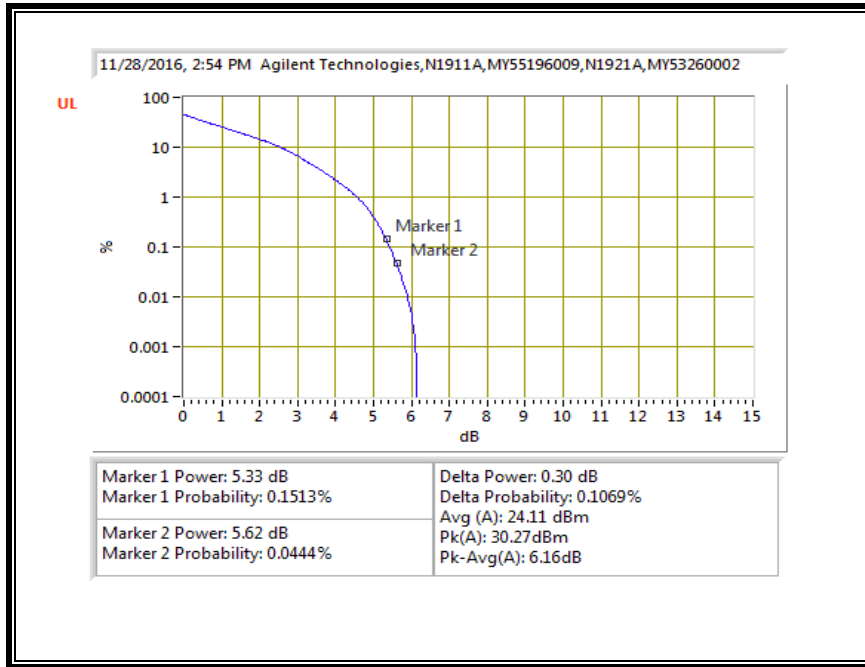
QPSK, (1.4 MHz BAND WIDTH)



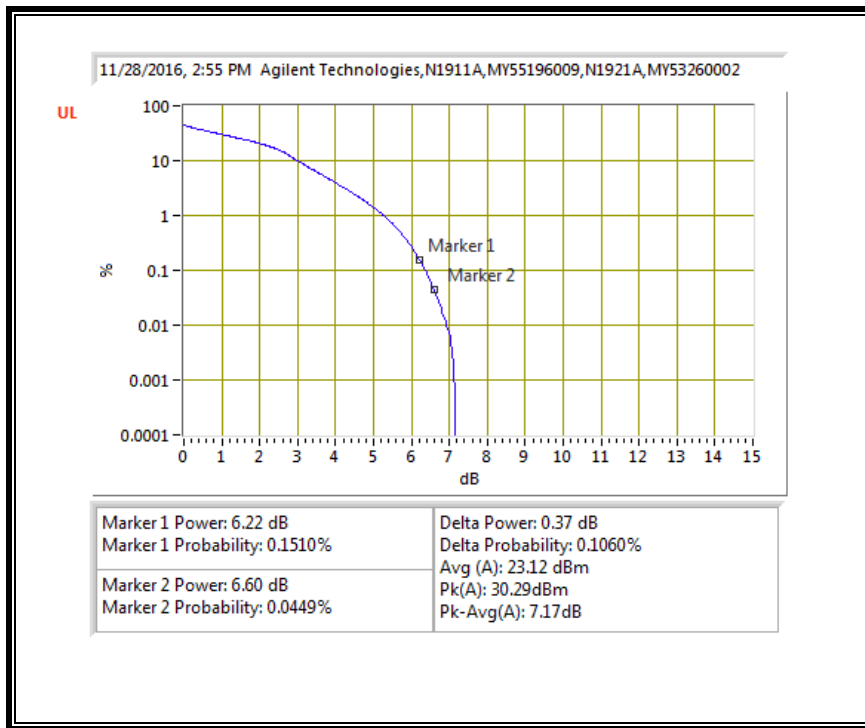
16QAM, (1.4 MHz BAND WIDTH)



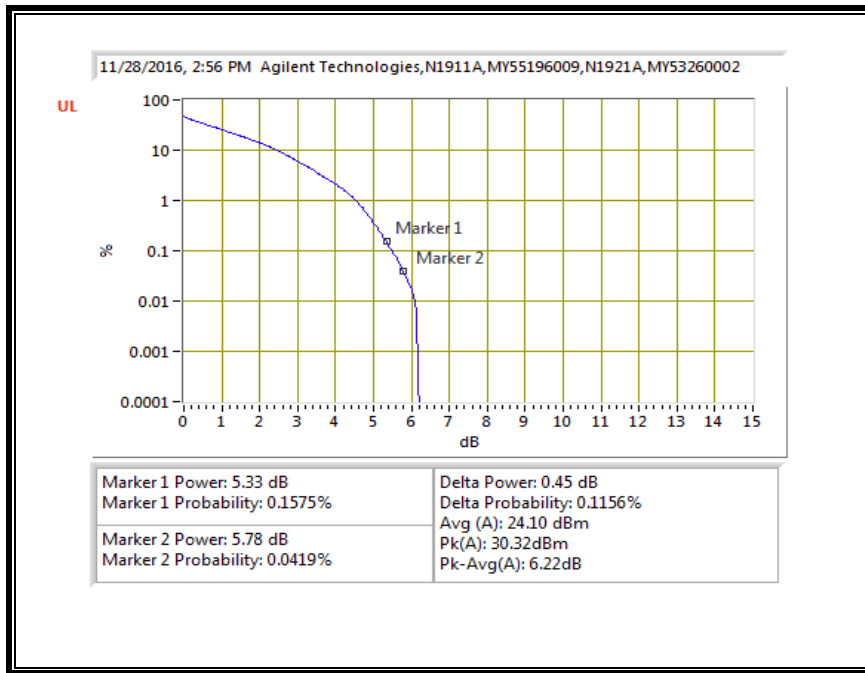
QPSK, (3.0 MHz BAND WIDTH)



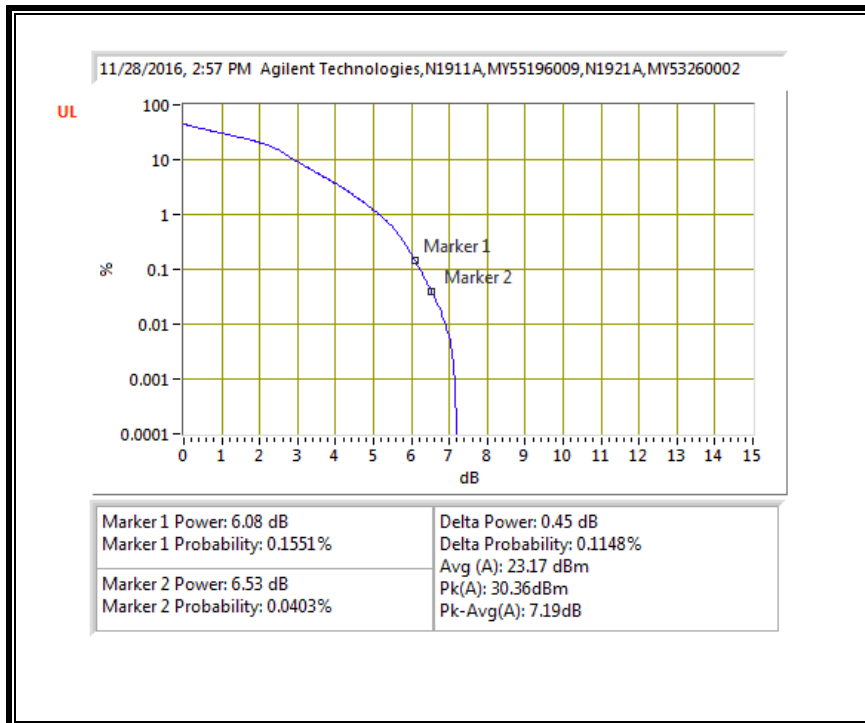
16QAM, (3.0 MHz BAND WIDTH)



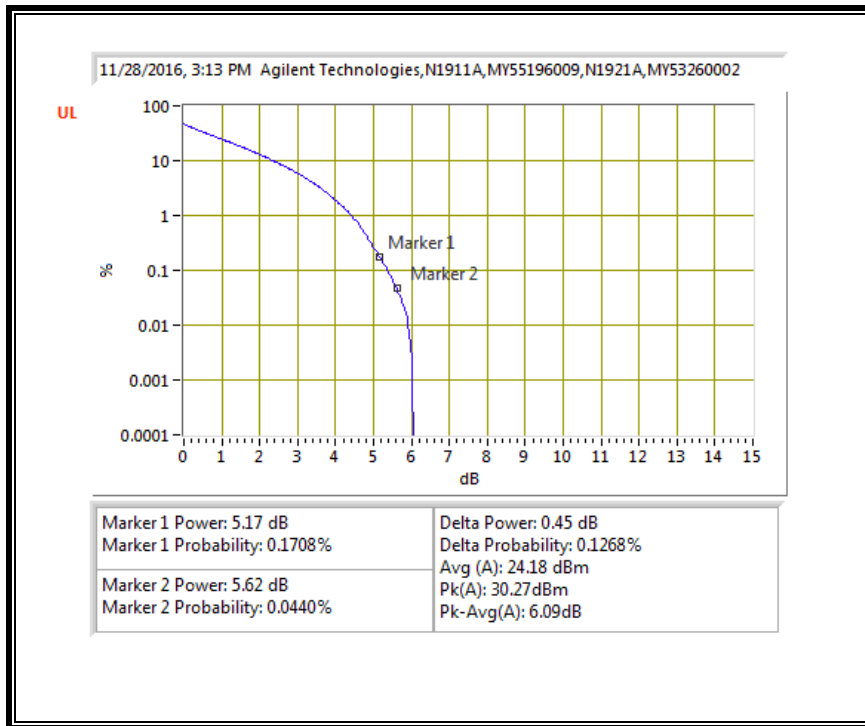
QPSK, (5.0 MHz BAND WIDTH)



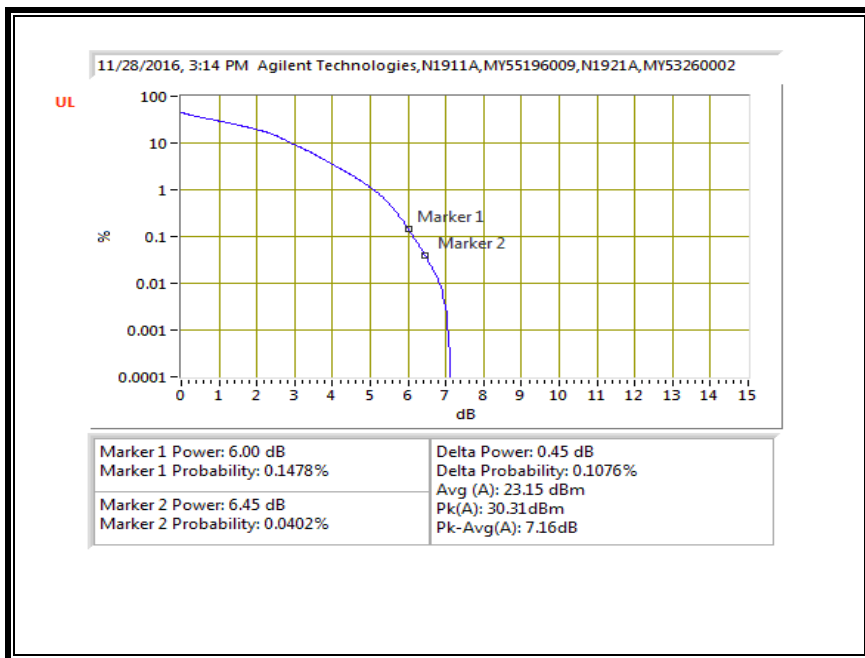
16QAM, (5.0 MHz BAND WIDTH)



QPSK, (10.0 MHz BAND WIDTH)

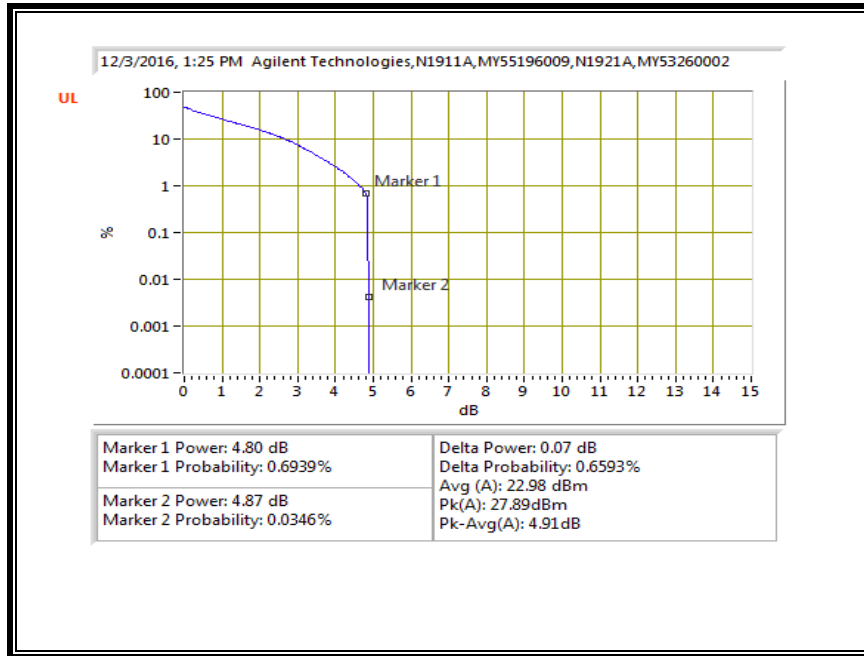


16QAM, (10.0 MHz BAND WIDTH)



8.5.10. LTE BAND 27

QPSK, (1.4 MHz BAND WIDTH)



16QAM, (1.4 MHz BAND WIDTH)

