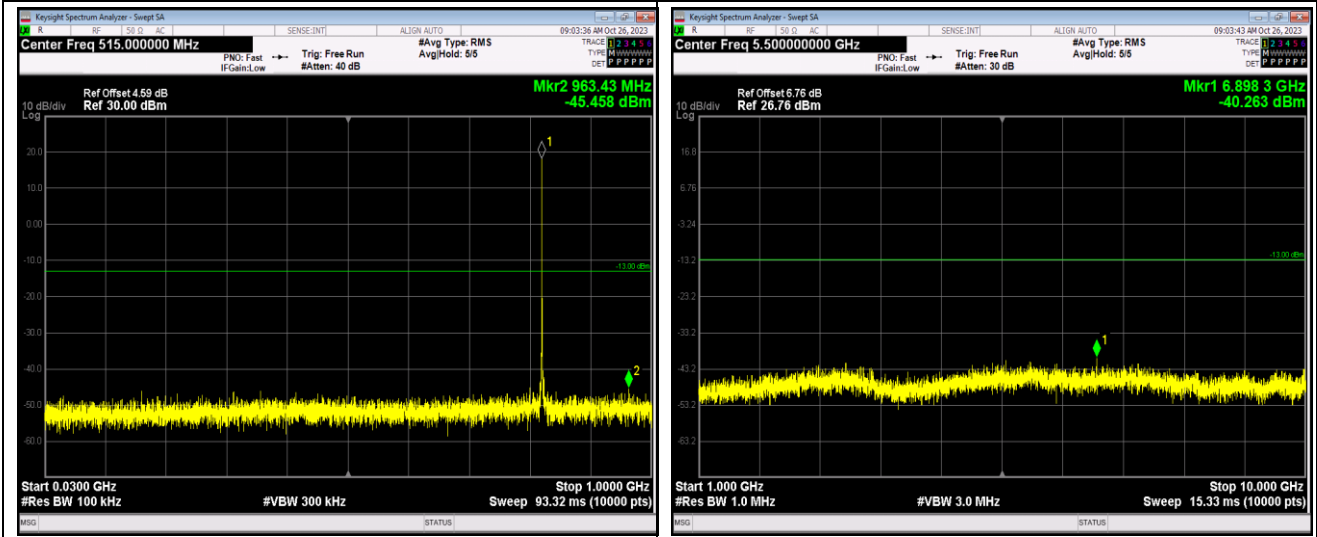


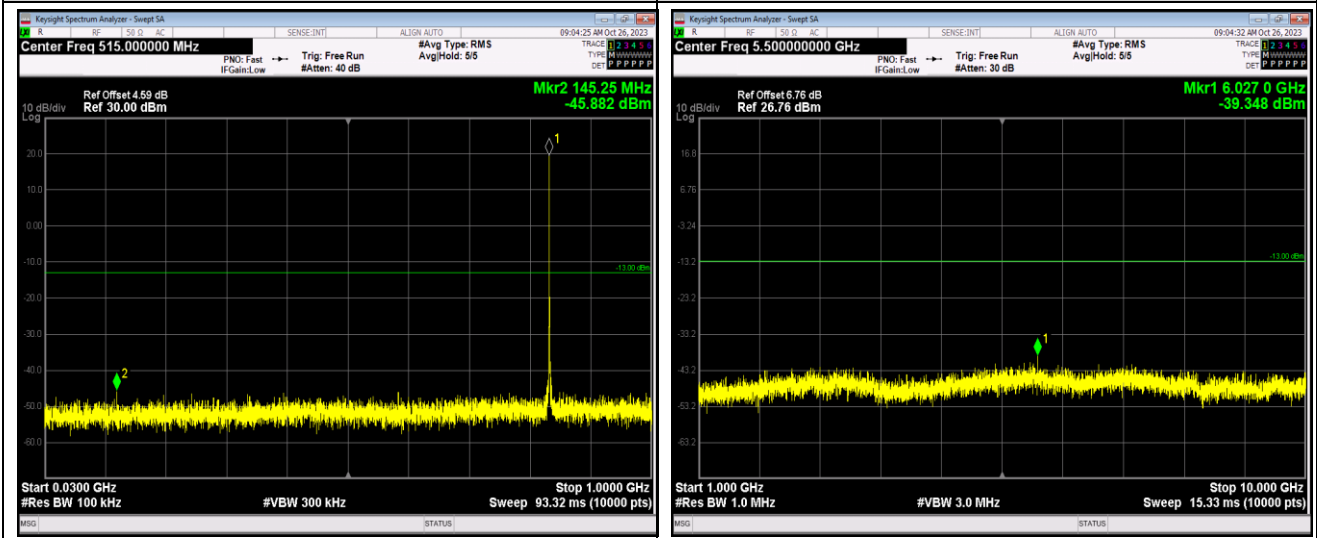
Band26-1.4MHz-64QAM-26797-1RB#0-Range1:30~1000MHz

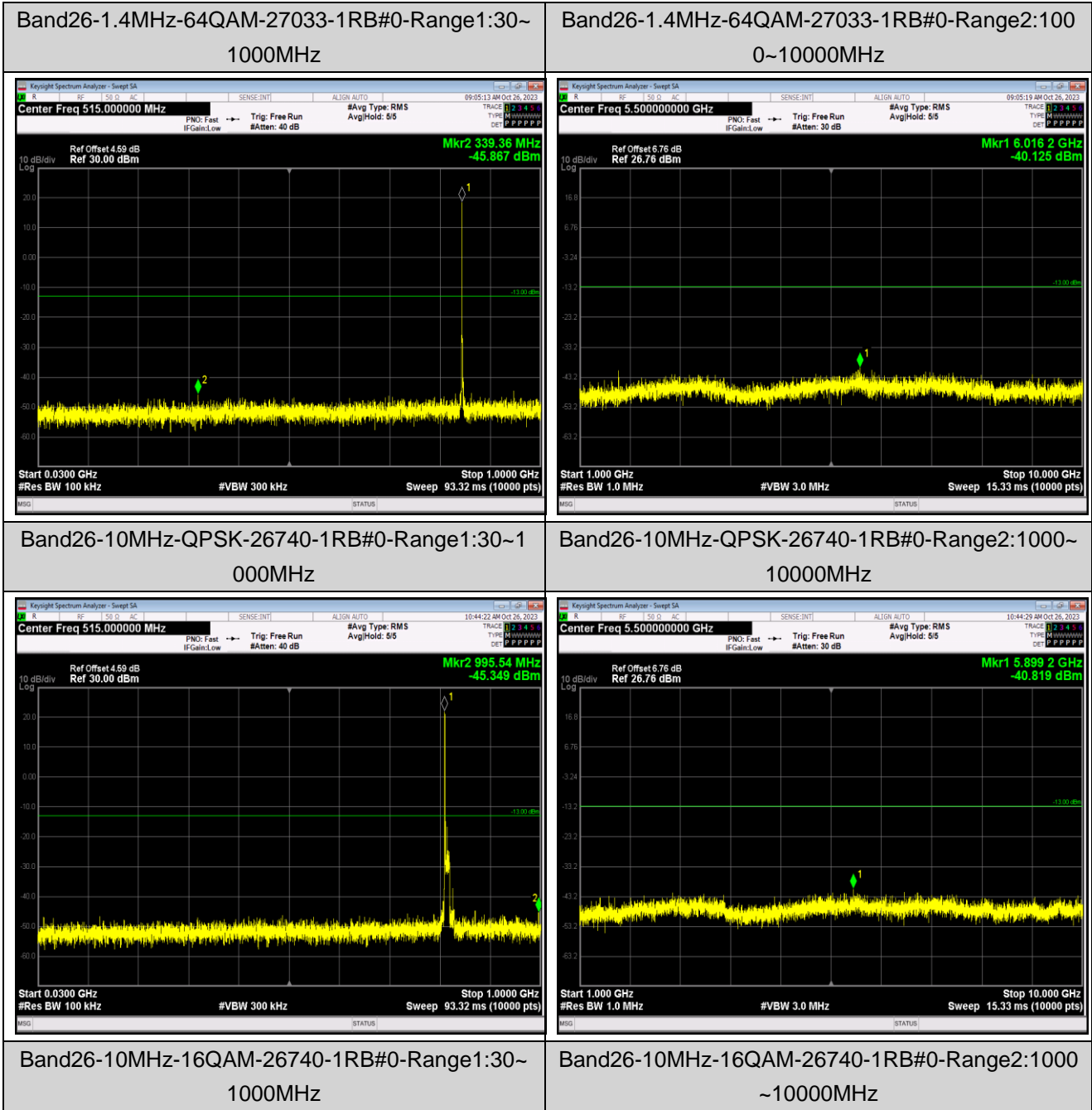
Band26-1.4MHz-64QAM-26797-1RB#0-Range2:1000~10000MHz

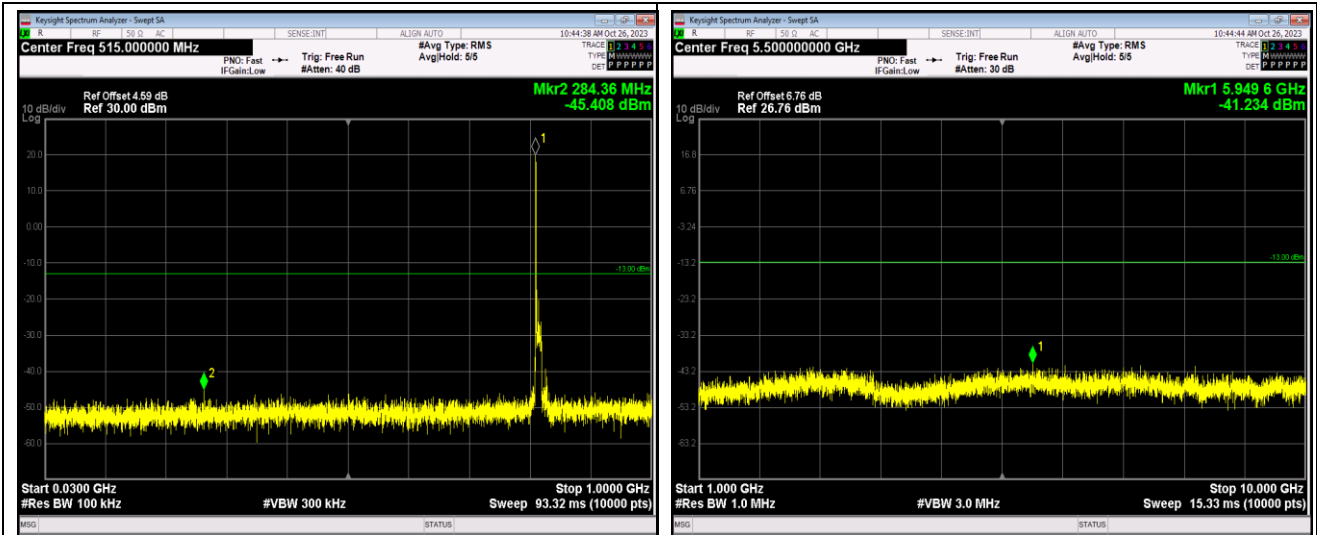


Band26-1.4MHz-64QAM-26915-1RB#0-Range1:30~1000MHz

Band26-1.4MHz-64QAM-26915-1RB#0-Range2:1000~10000MHz

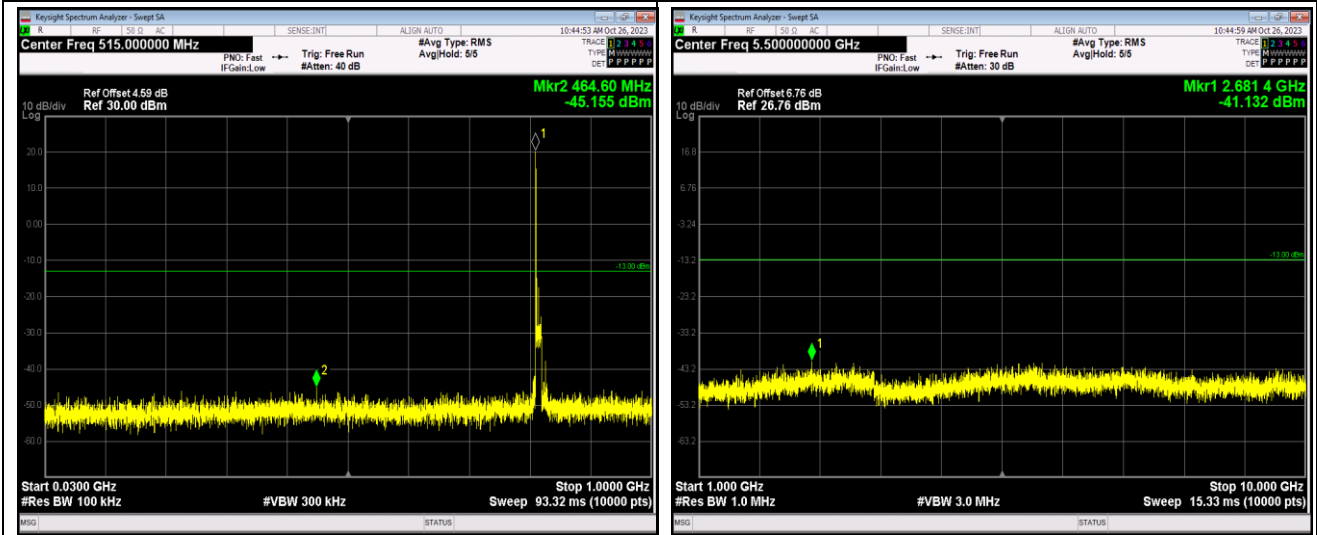






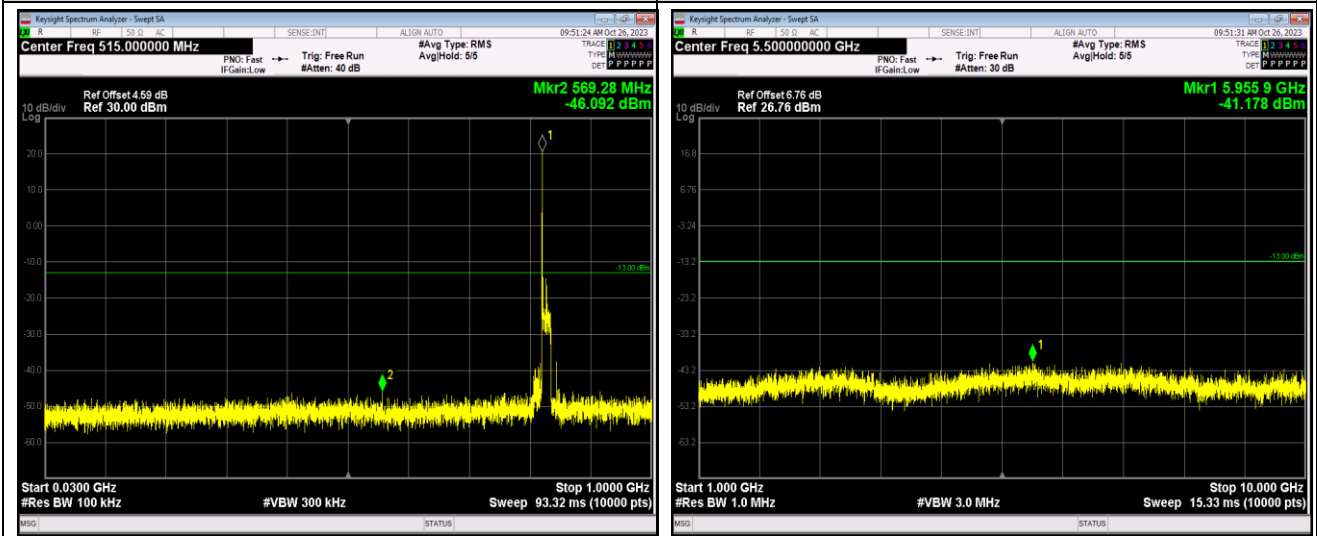
Band26-10MHz-64QAM-26740-1RB#0-Range1:30~1000MHz

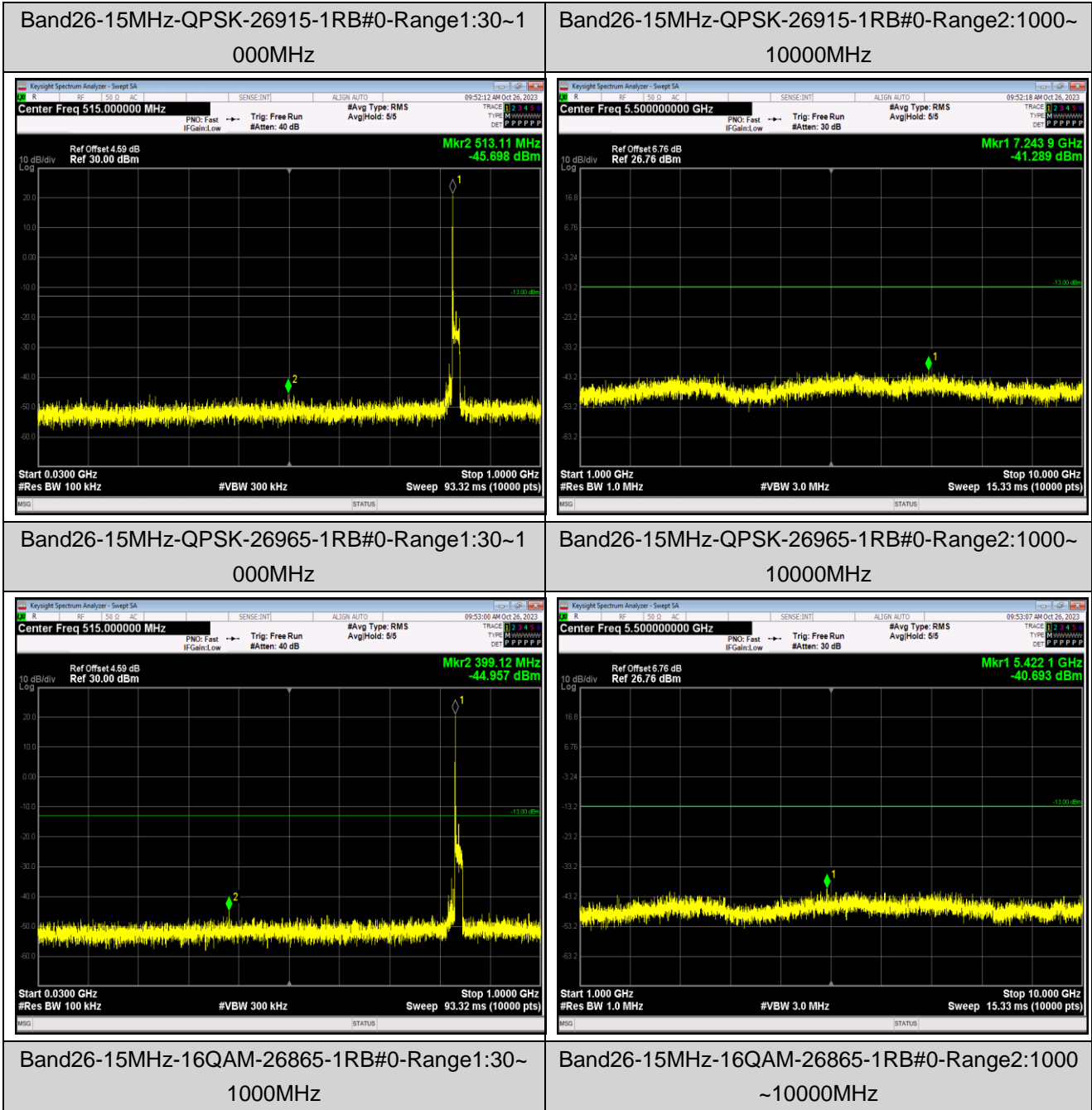
Band26-10MHz-64QAM-26740-1RB#0-Range2:1000~10000MHz

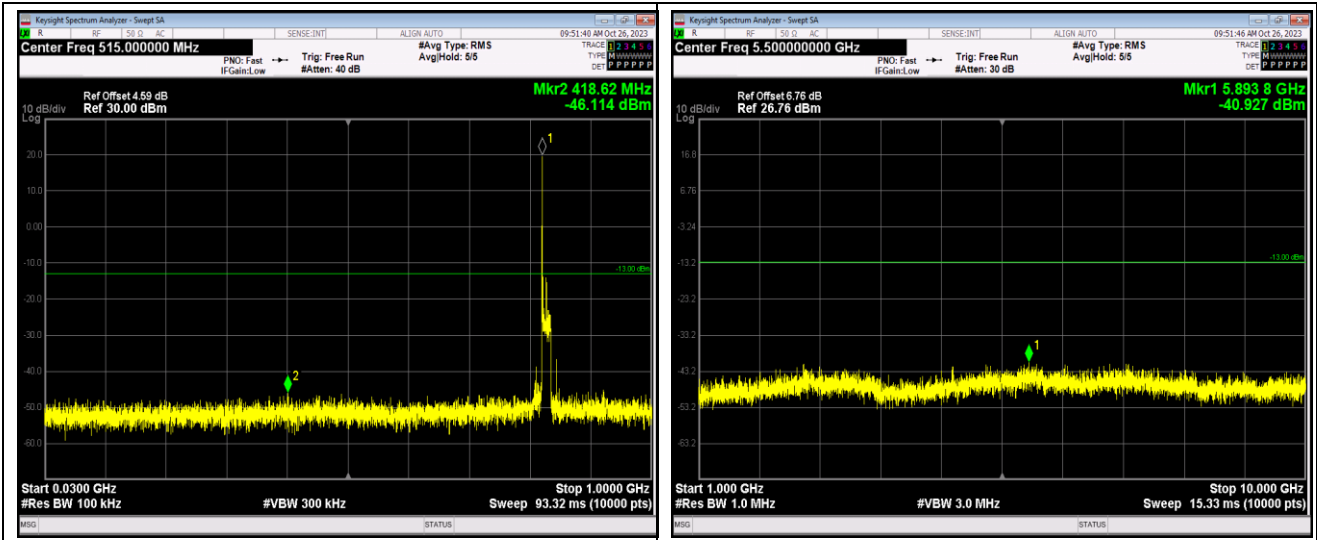


Band26-15MHz-QPSK-26865-1RB#0-Range1:30~1000MHz

Band26-15MHz-QPSK-26865-1RB#0-Range2:1000~10000MHz

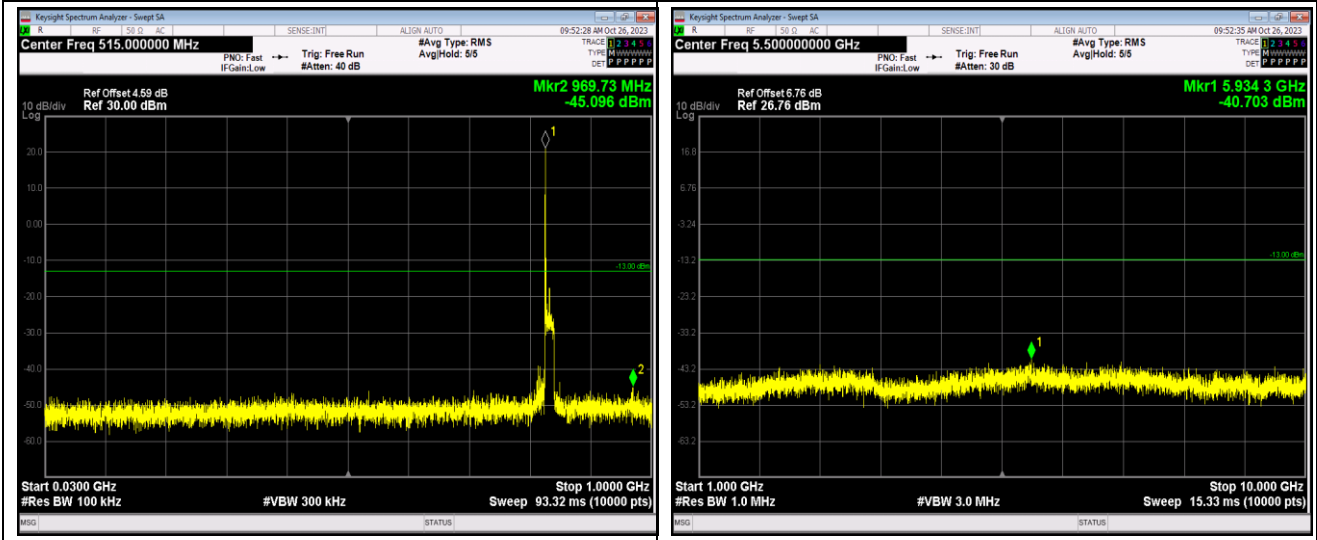






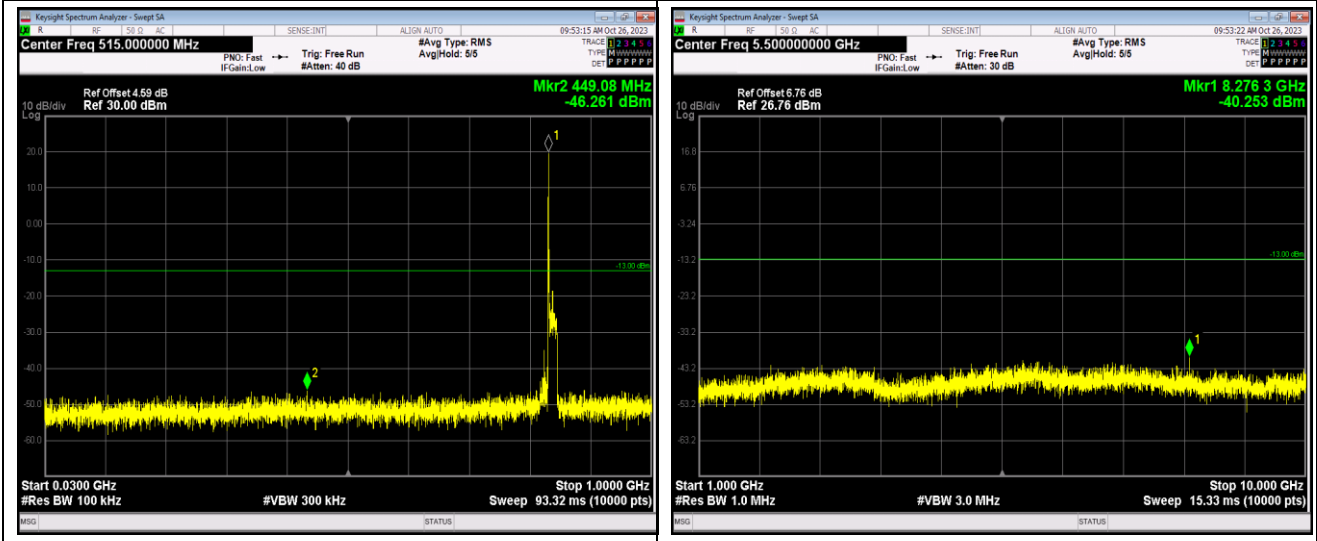
Band26-15MHz-16QAM-26915-1RB#0-Range1:30~1000MHz

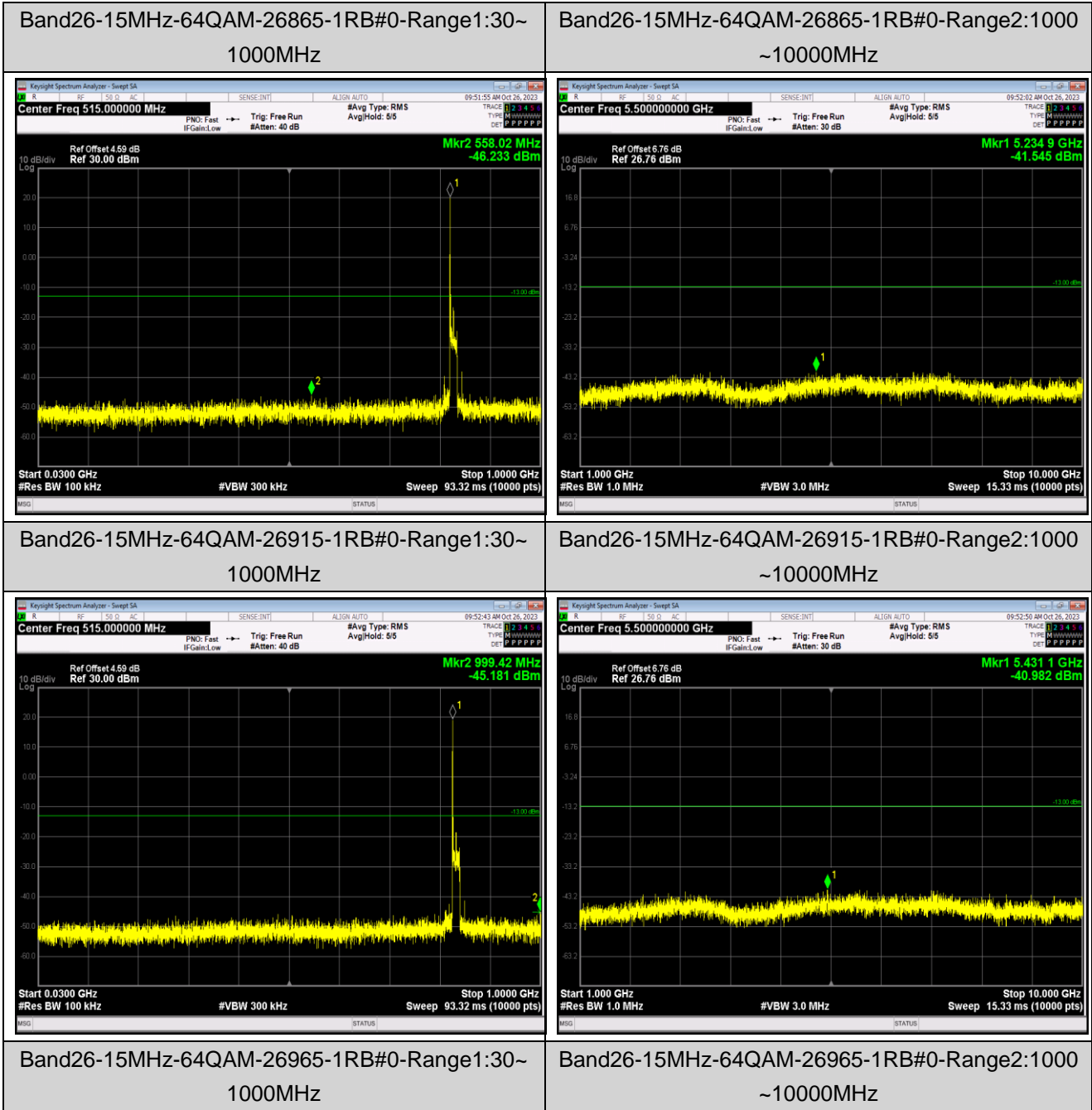
Band26-15MHz-16QAM-26915-1RB#0-Range2:1000~10000MHz

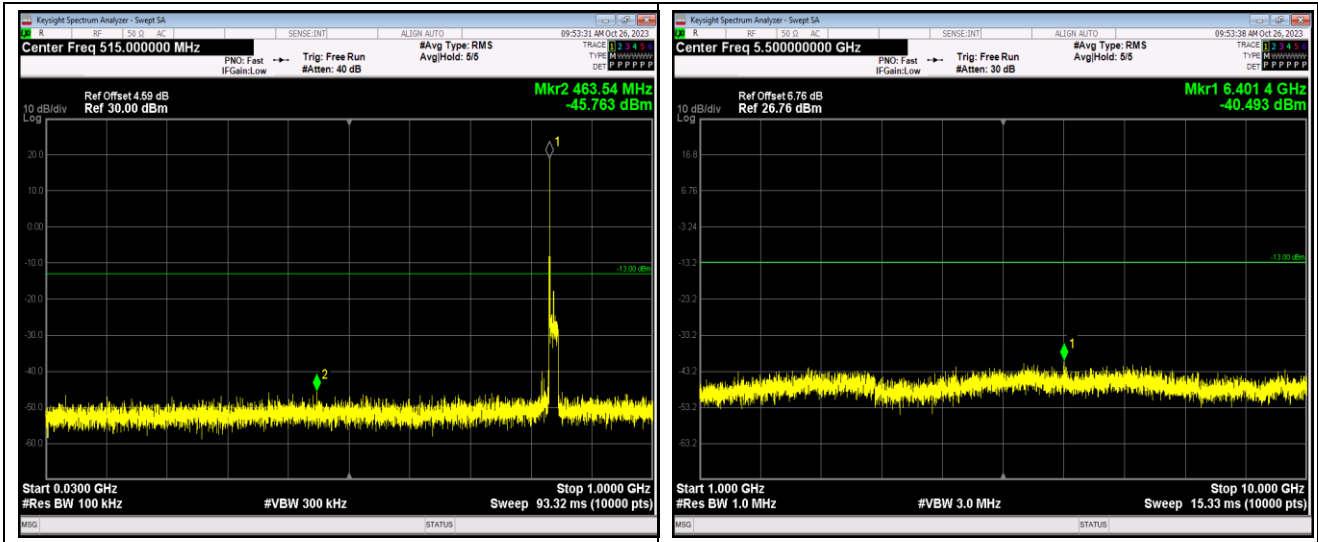


Band26-15MHz-16QAM-26965-1RB#0-Range1:30~1000MHz

Band26-15MHz-16QAM-26965-1RB#0-Range2:1000~10000MHz







Appendix F: Frequency Stability

Test Result

LTE Band 13 part:

| Reference Frequency: LTE Band 13(10MHz) Middle channel=23230 Frequency=782.0MHz | | | | | |
|---------------------------------------------------------------------------------|------------------|-----------------|-----------|------------------------------------|--------|
| Temperature | | | | | |
| Power supplied (Vdc) | Temperature (°C) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 3.87 | -30 | 2.06 | 0.002634 | Within authorized band for Band 13 | Pass |
| | -20 | -8.94 | -0.011432 | | |
| | -10 | -8.54 | -0.010921 | | |
| | 0 | -7.31 | -0.009348 | | |
| | 10 | -5.94 | -0.007596 | | |
| | 20 | -6.61 | -0.008453 | | |
| | 30 | -3.91 | -0.005000 | | |
| | 40 | -6.71 | -0.008581 | | |
| | 50 | -4.82 | -0.006164 | | |
| 16QAM | | | | | |
| 3.87 | -30 | -5.09 | -0.006509 | Within authorized band for Band 13 | Pass |
| | -20 | -6.71 | -0.008581 | | |
| | -10 | -4.81 | -0.006151 | | |
| | 0 | 3.28 | 0.004194 | | |
| | 10 | -6.95 | -0.008887 | | |
| | 20 | 1.36 | 0.001739 | | |
| | 30 | -4.71 | -0.006023 | | |
| | 40 | -4.79 | -0.006125 | | |
| | 50 | 4.16 | 0.005320 | | |
| 64QAM | | | | | |
| 3.87 | -30 | -5.68 | -0.007263 | Within authorized band for Band 13 | Pass |
| | -20 | -6.72 | -0.008593 | | |
| | -10 | -3.62 | -0.004629 | | |
| | 0 | -5.56 | -0.007110 | | |
| | 10 | -5.98 | -0.007647 | | |
| | 20 | -3.13 | -0.004003 | | |
| | 30 | -3.86 | -0.004936 | | |
| | 40 | -4.94 | -0.006317 | | |
| | 50 | -8.28 | -0.010588 | | |

| Voltage | | | | | |
|-------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------|-----------|------------------------------------|--------|
| Temperature (°C) | Power supplied (Vdc) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 25 | 3.45 | -3.73 | -0.004770 | Within authorized band for Band 13 | Pass |
| | 3.87 | -2.55 | -0.003261 | | |
| | 4.45 | -3.05 | -0.003900 | | |
| 16QAM | | | | | |
| 25 | 3.45 | -4.36 | -0.005575 | Within authorized band for Band 13 | Pass |
| | 3.87 | -4.49 | -0.005742 | | |
| | 4.45 | -3.50 | -0.004476 | | |
| 64QAM | | | | | |
| 25 | 3.45 | -6.94 | -0.008875 | Within authorized band for Band 13 | Pass |
| | 3.87 | -4.23 | -0.005409 | | |
| | 4.45 | -6.94 | -0.008875 | | |
| <i>Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.</i> | | | | | |

LTE Band 26(Part90) part:

| Reference Frequency: LTE Band 26 (10MHz) Middle channel=26740 Frequency=819.0MHz | | | | | |
|----------------------------------------------------------------------------------|------------------|-----------------|-----------|-------------|--------|
| Temperature | | | | | |
| Power supplied (Vdc) | Temperature (°C) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 3.87 | -30 | -3.03 | -0.003700 | ±2.5 | Pass |
| | -20 | -8.84 | -0.010794 | | |
| | -10 | -4.81 | -0.005873 | | |
| | 0 | 4.16 | 0.005079 | | |
| | 10 | -3.98 | -0.004860 | | |
| | 20 | -1.60 | -0.001954 | | |
| | 30 | -3.93 | -0.004799 | | |
| | 40 | -6.32 | -0.007717 | | |
| | 50 | -9.50 | -0.011600 | | |
| 16QAM | | | | | |
| 3.87 | -30 | -2.59 | -0.003162 | ±2.5 | Pass |
| | -20 | -8.00 | -0.009768 | | |
| | -10 | -3.72 | -0.004542 | | |
| | 0 | -1.99 | -0.002430 | | |
| | 10 | -3.85 | -0.004701 | | |
| | 20 | -8.97 | -0.010952 | | |
| | 30 | -7.47 | -0.009121 | | |
| | 40 | -10.17 | -0.012418 | | |
| | 50 | -3.98 | -0.004860 | | |
| 64QAM | | | | | |
| 3.87 | -30 | -5.58 | -0.006813 | ±2.5 | Pass |
| | -20 | -3.33 | -0.004066 | | |
| | -10 | 2.92 | 0.003565 | | |
| | 0 | -7.84 | -0.009573 | | |
| | 10 | -7.34 | -0.008962 | | |
| | 20 | -7.81 | -0.009536 | | |
| | 30 | -8.00 | -0.009768 | | |
| | 40 | -3.08 | -0.003761 | | |
| | 50 | -10.64 | -0.012991 | | |

| Voltage | | | | | |
|-------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------|-----------|-------------|--------|
| Temperature (°C) | Power supplied (Vdc) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 25 | 3.45 | -8.25 | -0.010073 | ±2.5 | Pass |
| | 3.87 | -2.99 | -0.003651 | | |
| | 4.45 | -8.04 | -0.009817 | | |
| 16QAM | | | | | |
| 25 | 3.45 | -2.42 | -0.002955 | ±2.5 | Pass |
| | 3.87 | -9.20 | -0.011233 | | |
| | 4.45 | -7.65 | -0.009341 | | |
| 64QAM | | | | | |
| 25 | 3.45 | -6.77 | -0.008266 | ±2.5 | Pass |
| | 3.87 | 2.60 | 0.003175 | | |
| | 4.45 | -9.97 | -0.012173 | | |
| <i>Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.</i> | | | | | |

LTE Band 26(Part22) part:

| Reference Frequency: LTE Band 26 (10MHz) Middle channel=26915 Frequency=836.5MHz | | | | | |
|----------------------------------------------------------------------------------|------------------|-----------------|-----------|-------------|--------|
| Temperature | | | | | |
| Power supplied (Vdc) | Temperature (°C) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 3.87 | -30 | -8.81 | -0.010532 | ±2.5 | Pass |
| | -20 | -5.94 | -0.007101 | | |
| | -10 | -4.01 | -0.004794 | | |
| | 0 | -7.05 | -0.008428 | | |
| | 10 | -8.81 | -0.010532 | | |
| | 20 | -11.94 | -0.014274 | | |
| | 30 | -8.24 | -0.009851 | | |
| | 40 | -10.36 | -0.012385 | | |
| | 50 | -4.99 | -0.005965 | | |
| 16QAM | | | | | |
| 3.87 | -30 | -7.40 | -0.008846 | ±2.5 | Pass |
| | -20 | -5.91 | -0.007065 | | |
| | -10 | -7.58 | -0.009062 | | |
| | 0 | -6.01 | -0.007185 | | |
| | 10 | -10.54 | -0.012600 | | |
| | 20 | -4.32 | -0.005164 | | |
| | 30 | -7.51 | -0.008978 | | |
| | 40 | 3.23 | 0.003861 | | |
| | 50 | -3.49 | -0.004172 | | |
| 64QAM | | | | | |
| 3.87 | -30 | -5.66 | -0.006766 | ±2.5 | Pass |
| | -20 | -6.44 | -0.007699 | | |
| | -10 | -6.44 | -0.007699 | | |
| | 0 | 4.26 | 0.005093 | | |
| | 10 | -7.30 | -0.008727 | | |
| | 20 | -5.56 | -0.006647 | | |
| | 30 | -8.55 | -0.010221 | | |
| | 40 | -8.00 | -0.009564 | | |
| | 50 | -7.38 | -0.008822 | | |

| Voltage | | | | | |
|-------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------|-----------|-------------|--------|
| Temperature (°C) | Power supplied (Vdc) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 25 | 3.45 | -4.72 | -0.005643 | ±2.5 | Pass |
| | 3.87 | -8.53 | -0.010197 | | |
| | 4.45 | -7.75 | -0.009265 | | |
| 16QAM | | | | | |
| 25 | 3.45 | -6.18 | -0.007388 | ±2.5 | Pass |
| | 3.87 | -1.80 | -0.002152 | | |
| | 4.45 | -3.16 | -0.003778 | | |
| 64QAM | | | | | |
| 25 | 3.45 | -3.39 | -0.004053 | ±2.5 | Pass |
| | 3.87 | 5.35 | 0.006396 | | |
| | 4.45 | -6.52 | -0.007794 | | |
| <i>Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.</i> | | | | | |

Appendix G: Modulation Characteristics

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result | Verdict |
|--------|-----------|------------|---------|------------------|--------|---------|
| Band13 | 10MHz | QPSK | 23230 | 50RB#0 | PASS | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 50RB#0 | PASS | PASS |
| Band13 | 10MHz | 64QAM | 23230 | 50RB#0 | PASS | PASS |
| Band26 | 10MHz | QPSK | 26740 | 50RB#0 | PASS | PASS |
| Band26 | 10MHz | 16QAM | 26740 | 50RB#0 | PASS | PASS |
| Band26 | 10MHz | 64QAM | 26740 | 50RB#0 | PASS | PASS |
| Band26 | 15MHz | QPSK | 26915 | 75RB#0 | PASS | PASS |
| Band26 | 15MHz | 16QAM | 26915 | 75RB#0 | PASS | PASS |
| Band26 | 15MHz | 64QAM | 26915 | 75RB#0 | PASS | PASS |

Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

Test Graphs

