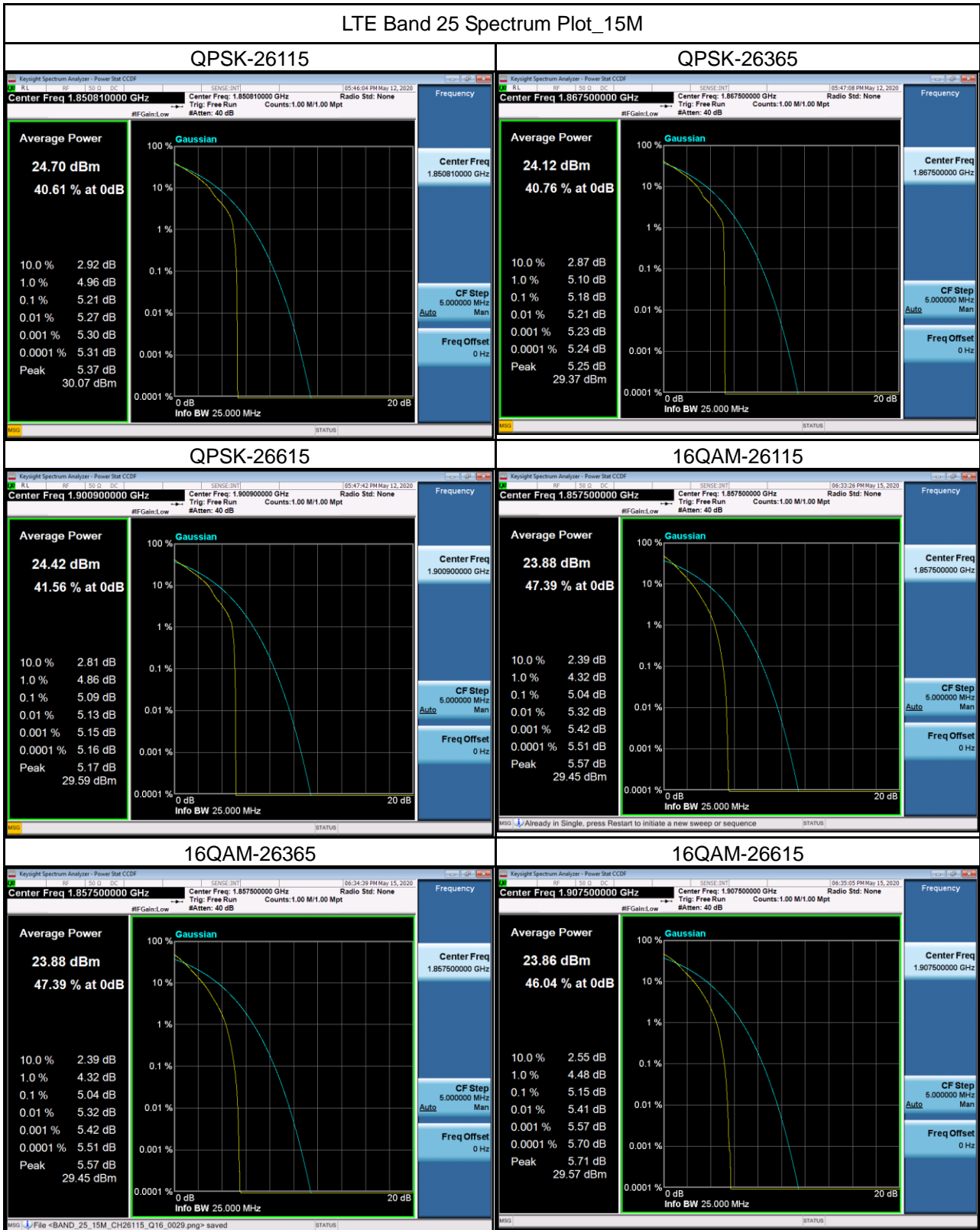
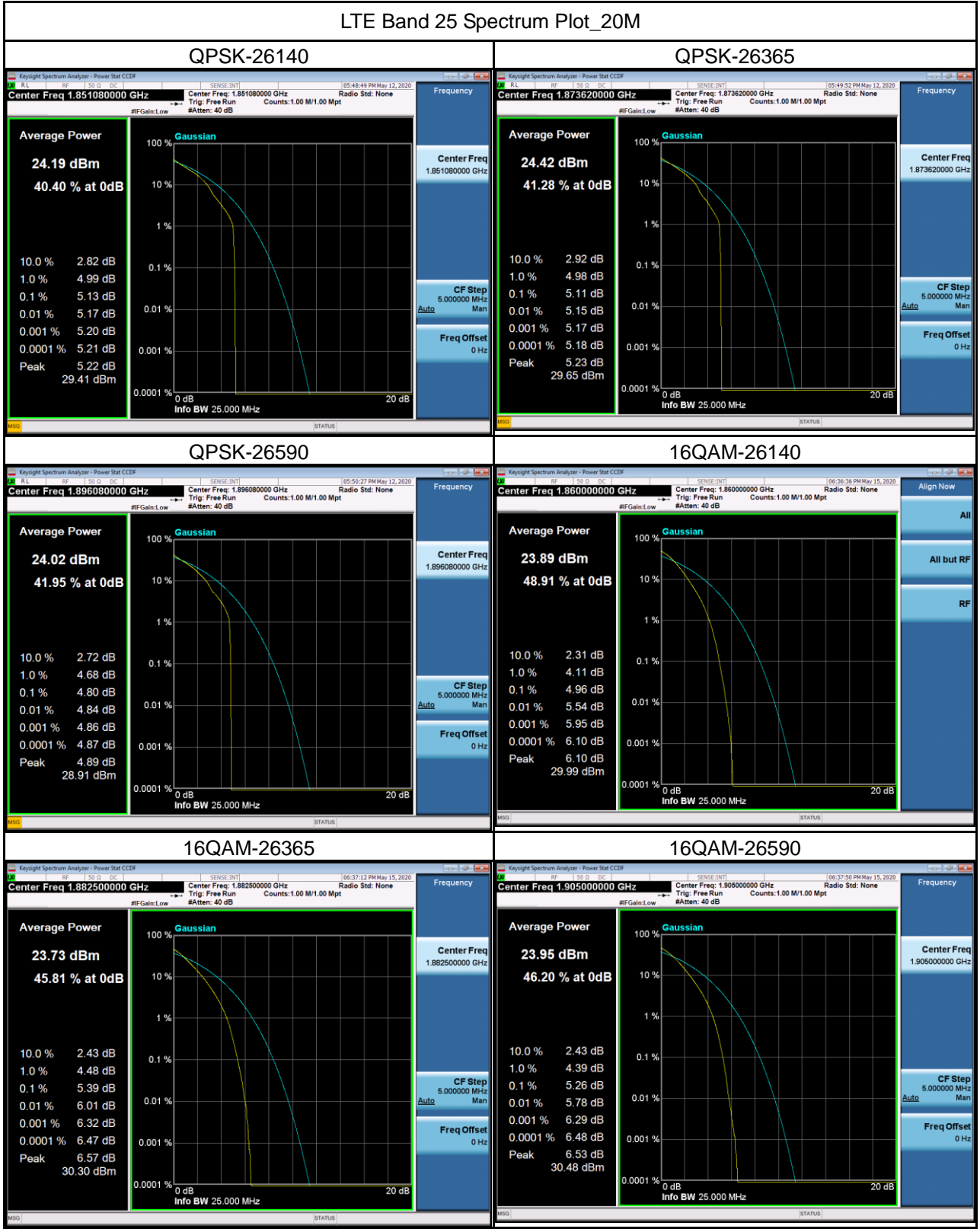


LTE Band 25 Spectrum Plot_15M



LTE Band 25 Spectrum Plot_20M



APPENDIX I - FREQUENCY STABILITY

| | |
|-----------|----------------------|
| Test Mode | WCDMA Band II_CH9400 |
|-----------|----------------------|

Temperature vs. Frequency Stability

| Temperature(°C) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -20 | 3.64 | 0.001936923 | ±2.5 |
| -10 | 5.38 | 0.002863436 | |
| 0 | 3.86 | 0.002054669 | |
| 10 | 5.95 | 0.003163395 | |
| 20 | -3.08 | 0.001638783 | |
| 30 | -3.37 | 0.001794229 | |
| 40 | 4.71 | 0.002503771 | |
| 50 | -2.02 | 0.001074163 | |
| Max. Deviation (ppm) | 5.95 | 0.003163395 | |

Voltage vs. Frequency Stability

| Voltage(Volts) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 3.55 | 2.76 | 0.001468085 | ±2.5 |
| 3.80 | 3.08 | 0.001638298 | |
| 4.20 | 3.72 | 0.001978723 | |
| Max. Deviation (ppm) | 3.72 | 0.001978723 | |

| | |
|------------|-------------------------|
| Test Mode: | LTE Band 2_CH18900_1.4M |
|------------|-------------------------|

Temperature vs. Frequency Stability

| Temperature(°C) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -20 | -5.65 | -0.003005319 | ±2.5 |
| -10 | 4.43 | 0.002356383 | |
| 0 | -1.51 | -0.000803191 | |
| 10 | 4.81 | 0.002558511 | |
| 20 | -2.41 | -0.001281915 | |
| 30 | -2.99 | -0.001590426 | |
| 40 | -3.78 | -0.002010638 | |
| 50 | -1.32 | -0.000702128 | |
| Max. Deviation (ppm) | -5.65 | -0.003005319 | |

Voltage vs. Frequency Stability

| Voltage(Volts) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 3.55 | -3.71 | -0.001973404 | ±2.5 |
| 3.80 | 4.87 | 0.002590426 | |
| 4.20 | -5.17 | -0.00275 | |
| Max. Deviation (ppm) | -5.17 | -0.00275 | |

| | |
|------------|-----------------------|
| Test Mode: | LTE Band 2_CH18900_3M |
|------------|-----------------------|

Temperature vs. Frequency Stability

| Temperature(°C) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -20 | 3.55 | 0.001888298 | ±2.5 |
| -10 | 3.78 | 0.002010638 | |
| 0 | -5.39 | -0.002867021 | |
| 10 | 1.64 | 0.00087234 | |
| 20 | 2.17 | 0.001154255 | |
| 30 | -0.53 | -0.000281915 | |
| 40 | -2.95 | -0.001569149 | |
| 50 | 0.90 | 0.000478723 | |
| Max. Deviation (ppm) | -5.39 | -0.002867021 | |

Voltage vs. Frequency Stability

| Voltage(Volts) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 3.55 | 2.26 | 0.001202128 | ±2.5 |
| 3.80 | -5.82 | -0.003095745 | |
| 4.20 | -5.91 | -0.003143617 | |
| Max. Deviation (ppm) | -5.91 | -0.003143617 | |

| | |
|------------|-----------------------|
| Test Mode: | LTE Band 2_CH18900_5M |
|------------|-----------------------|

Temperature vs. Frequency Stability

| Temperature(°C) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -20 | 4.77 | 0.002537234 | ±2.5 |
| -10 | -1.57 | -0.000835106 | |
| 0 | -0.22 | -0.000117021 | |
| 10 | -5.09 | -0.002707447 | |
| 20 | -3.95 | -0.002101064 | |
| 30 | -5.52 | -0.00293617 | |
| 40 | -2.25 | -0.001196809 | |
| 50 | 0.84 | 0.000446809 | |
| Max. Deviation (ppm) | -5.52 | -0.00293617 | |

Voltage vs. Frequency Stability

| Voltage(Volts) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 3.55 | 0.21 | 0.000111702 | ±2.5 |
| 3.80 | -1.04 | -0.000553191 | |
| 4.20 | -3.09 | -0.001643617 | |
| Max. Deviation (ppm) | -3.09 | -0.001643617 | |

| | |
|------------|------------------------|
| Test Mode: | LTE Band 2_CH18900_10M |
|------------|------------------------|

Temperature vs. Frequency Stability

| Temperature(°C) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -20 | 0.36 | 0.000191489 | ±2.5 |
| -10 | 3.56 | 0.001893617 | |
| 0 | -3.61 | -0.001920213 | |
| 10 | -0.65 | -0.000345745 | |
| 20 | -0.18 | -9.57447E-05 | |
| 30 | 4.55 | 0.002420213 | |
| 40 | -1.04 | -0.000553191 | |
| 50 | 4.70 | 0.0025 | |
| Max. Deviation (ppm) | 4.7 | 0.0025 | |

Voltage vs. Frequency Stability

| Voltage(Volts) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 3.55 | -0.93 | -0.000494681 | ±2.5 |
| 3.80 | -1.33 | -0.000707447 | |
| 4.20 | -2.21 | -0.001175532 | |
| Max. Deviation (ppm) | -2.21 | -0.001175532 | |

| | |
|------------|------------------------|
| Test Mode: | LTE Band 2_CH18900_15M |
|------------|------------------------|

Temperature vs. Frequency Stability

| Temperature(°C) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -20 | 2.68 | 0.001425532 | ±2.5 |
| -10 | 1.78 | 0.000946809 | |
| 0 | -3.31 | -0.001760638 | |
| 10 | 3.46 | 0.001840426 | |
| 20 | 3.55 | 0.001888298 | |
| 30 | 2.45 | 0.001303191 | |
| 40 | 1.94 | 0.001031915 | |
| 50 | -3.79 | -0.002015957 | |
| Max. Deviation (ppm) | -3.79 | -0.002015957 | |

Voltage vs. Frequency Stability

| Voltage(Volts) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 3.55 | 4.46 | 0.00237234 | ±2.5 |
| 3.80 | 4.87 | 0.002590426 | |
| 4.20 | 2.69 | 0.001430851 | |
| Max. Deviation (ppm) | 4.87 | 0.002590426 | |

| | |
|------------|------------------------|
| Test Mode: | LTE Band 2_CH18900_20M |
|------------|------------------------|

Temperature vs. Frequency Stability

| Temperature(°C) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -20 | -5.50 | -0.002925532 | ±2.5 |
| -10 | 5.70 | 0.003031915 | |
| 0 | 1.05 | 0.000558511 | |
| 10 | 2.94 | 0.00156383 | |
| 20 | -3.00 | -0.001595745 | |
| 30 | 0.38 | 0.000202128 | |
| 40 | 5.19 | 0.002760638 | |
| 50 | 5.78 | 0.003074468 | |
| Max. Deviation (ppm) | 5.78 | 0.003074468 | |

Voltage vs. Frequency Stability

| Voltage(Volts) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 3.55 | 3.81 | 0.002026596 | ±2.5 |
| 3.80 | 0.34 | 0.000180851 | |
| 4.20 | 1.10 | 0.000585106 | |
| Max. Deviation (ppm) | 3.81 | 0.002026596 | |

| | |
|------------|--------------------------|
| Test Mode: | LTE Band 25_CH26365_1.4M |
|------------|--------------------------|

Temperature vs. Frequency Stability

| Temperature(°C) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -20 | -2.24 | -0.002677824 | ±2.5 |
| -10 | -4.83 | -0.005774059 | |
| 0 | -5.11 | -0.006108787 | |
| 10 | 0.50 | 0.000597729 | |
| 20 | -0.05 | -5.97729E-05 | |
| 30 | -0.70 | -0.00083682 | |
| 40 | -2.09 | -0.002498506 | |
| 50 | -4.71 | -0.005630604 | |
| Max. Deviation (ppm) | -5.11 | -0.006108787 | |

Voltage vs. Frequency Stability

| Voltage(Volts) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 3.55 | -5.56 | -0.006646742 | ±2.5 |
| 3.80 | -2.55 | -0.003048416 | |
| 4.20 | -4.23 | -0.005056784 | |
| Max. Deviation (ppm) | -5.56 | -0.006646742 | |

| | |
|------------|------------------------|
| Test Mode: | LTE Band 25_CH26365_3M |
|------------|------------------------|

Temperature vs. Frequency Stability

| Temperature(°C) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -20 | -2.70 | -0.00322773 | ±2.5 |
| -10 | -5.21 | -0.00622833 | |
| 0 | 2.41 | 0.002881052 | |
| 10 | 5.82 | 0.006957561 | |
| 20 | -2.24 | -0.00267782 | |
| 30 | -0.77 | -0.0009205 | |
| 40 | 1.82 | 0.002175732 | |
| 50 | -1.14 | -0.00136282 | |
| Max. Deviation (ppm) | 5.82 | 0.006957561 | |

Voltage vs. Frequency Stability

| Voltage(Volts) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 3.55 | -2.57 | -0.00307233 | ±2.5 |
| 3.80 | -1.83 | -0.00218769 | |
| 4.20 | -2.20 | -0.00263001 | |
| Max. Deviation (ppm) | -2.57 | -0.00307233 | |

| | |
|------------|------------------------|
| Test Mode: | LTE Band 25_CH26365_5M |
|------------|------------------------|

Temperature vs. Frequency Stability

| Temperature(°C) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -20 | 2.68 | 0.003203825 | ±2.5 |
| -10 | 5.12 | 0.006120741 | |
| 0 | -3.51 | -0.004196055 | |
| 10 | 3.90 | 0.004662283 | |
| 20 | 2.35 | 0.002809325 | |
| 30 | -2.90 | -0.003466826 | |
| 40 | 4.17 | 0.004985057 | |
| 50 | 5.61 | 0.006706515 | |
| Max. Deviation (ppm) | 5.61 | 0.006706515 | |

Voltage vs. Frequency Stability

| Voltage(Volts) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 3.55 | 1.73 | 0.002068141 | ±2.5 |
| 3.80 | 2.65 | 0.003167962 | |
| 4.20 | -2.44 | -0.002916916 | |
| Max. Deviation (ppm) | 2.65 | 0.003167962 | |

| | |
|------------|-------------------------|
| Test Mode: | LTE Band 25_CH26365_10M |
|------------|-------------------------|

Temperature vs. Frequency Stability

| Temperature(°C) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -20 | 1.34 | 0.001601913 | ±2.5 |
| -10 | -0.12 | -0.000143455 | |
| 0 | 4.99 | 0.005965332 | |
| 10 | 2.96 | 0.003538553 | |
| 20 | -1.81 | -0.002163778 | |
| 30 | -1.49 | -0.001781231 | |
| 40 | -0.72 | -0.000860729 | |
| 50 | 2.81 | 0.003359235 | |
| Max. Deviation (ppm) | 4.99 | 0.005965332 | |

Voltage vs. Frequency Stability

| Voltage(Volts) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 3.55 | -1.59 | -0.001900777 | ±2.5 |
| 3.80 | 5.56 | 0.006646742 | |
| 4.20 | -3.90 | -0.004662283 | |
| Max. Deviation (ppm) | 5.56 | 0.006646742 | |

| | |
|------------|-------------------------|
| Test Mode: | LTE Band 25_CH26365_15M |
|------------|-------------------------|

Temperature vs. Frequency Stability

| Temperature(°C) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -20 | 3.96 | 0.004734 | ±2.5 |
| -10 | -5.89 | -0.00704 | |
| 0 | -3.78 | -0.00452 | |
| 10 | -0.15 | -0.00018 | |
| 20 | -2.79 | -0.00334 | |
| 30 | 1.37 | 0.001638 | |
| 40 | 4.16 | 0.004973 | |
| 50 | 2.82 | 0.003371 | |
| Max. Deviation (ppm) | -5.89 | -0.00704 | |

Voltage vs. Frequency Stability

| Voltage(Volts) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 3.55 | 1.05 | 0.001255 | ±2.5 |
| 3.80 | 3.39 | 0.004053 | |
| 4.20 | 4.22 | 0.005045 | |
| Max. Deviation (ppm) | 4.22 | 0.005045 | |

| | |
|------------|-------------------------|
| Test Mode: | LTE Band 25_CH26365_20M |
|------------|-------------------------|

Temperature vs. Frequency Stability

| Temperature(°C) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -20 | 1.82 | 0.002176 | ±2.5 |
| -10 | 3.88 | 0.004638 | |
| 0 | -0.35 | -0.00042 | |
| 10 | -5.03 | -0.00601 | |
| 20 | -2.98 | -0.00356 | |
| 30 | -5.91 | -0.00707 | |
| 40 | 1.68 | 0.002008 | |
| 50 | -5.43 | -0.00649 | |
| Max. Deviation (ppm) | -5.91 | -0.00707 | |

Voltage vs. Frequency Stability

| Voltage(Volts) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 3.55 | -5.25 | -0.00628 | ±2.5 |
| 3.80 | -3.49 | -0.00417 | |
| 4.20 | 1.53 | 0.001829 | |
| Max. Deviation (ppm) | -5.25 | -0.00628 | |

End of Test Report