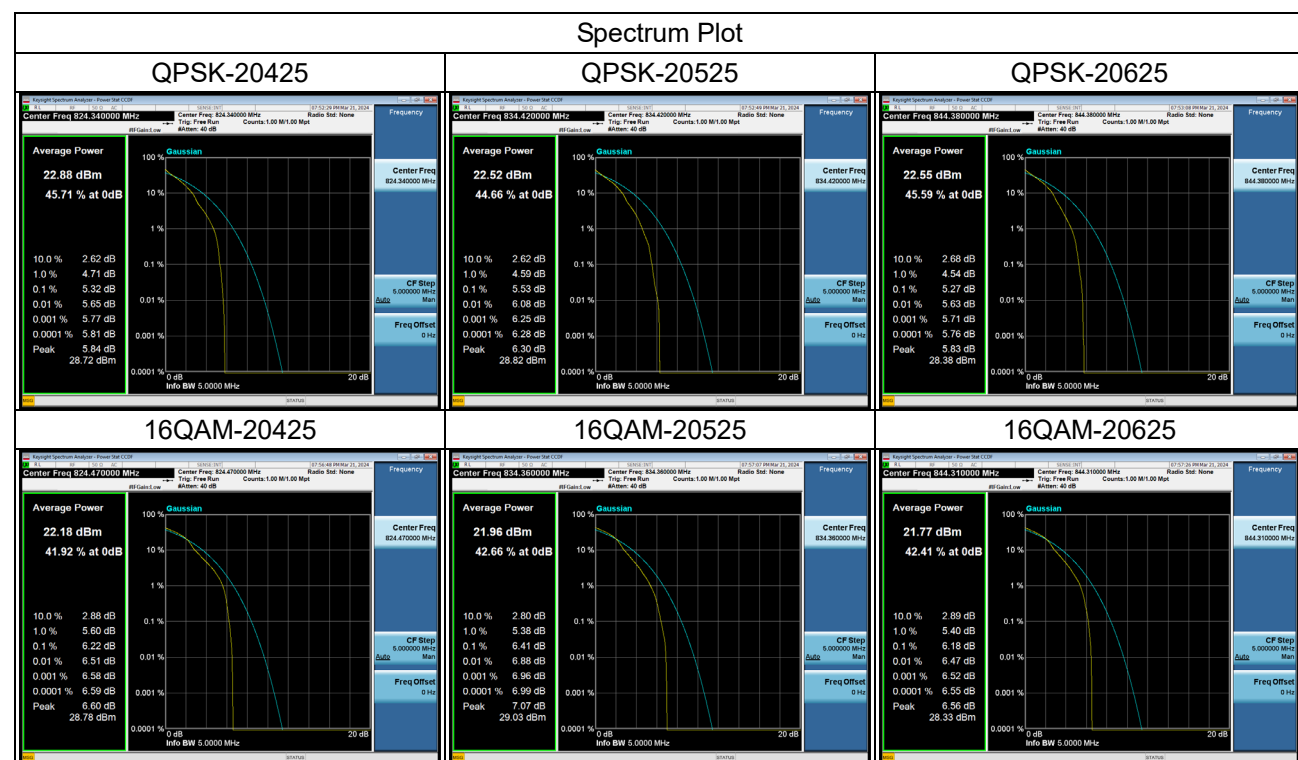
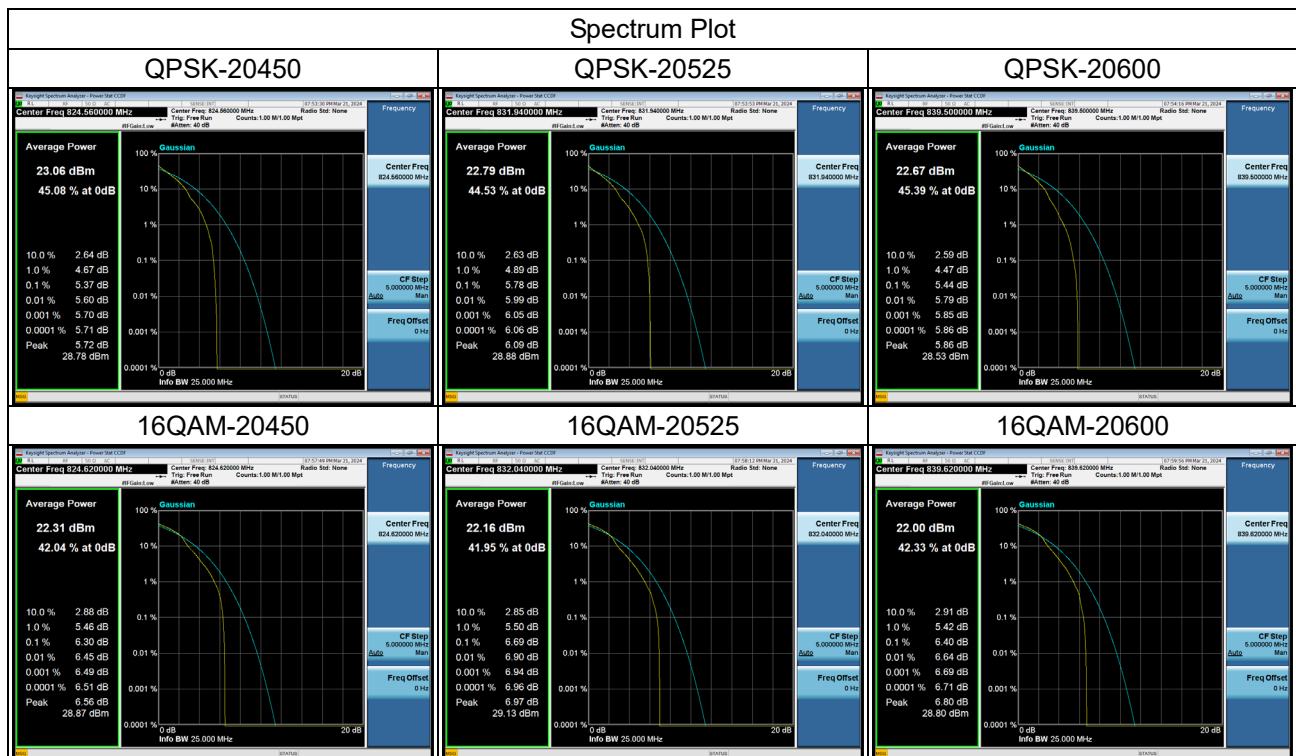


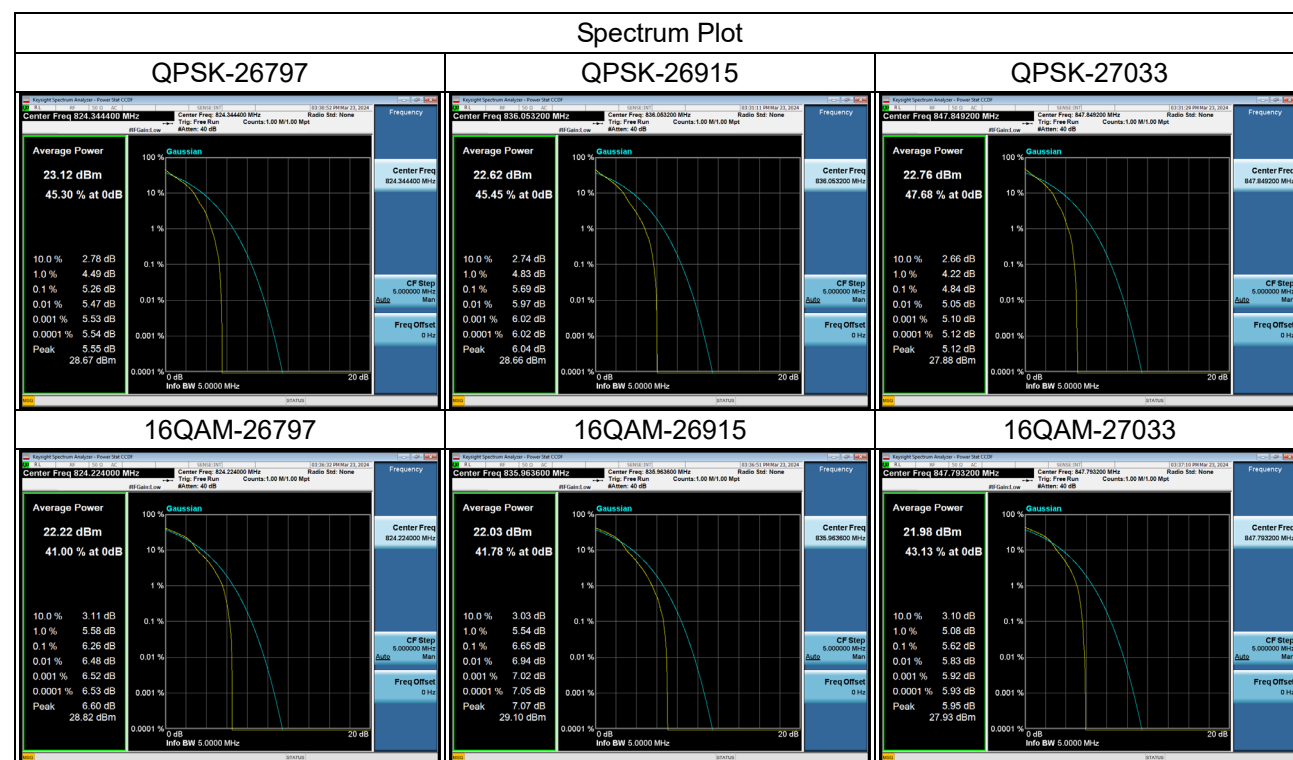
| LTE Band 5_5MHz |                 |                            |       |                 |        |
|-----------------|-----------------|----------------------------|-------|-----------------|--------|
| Channel         | Frequency (MHz) | Peak To Average Ratio (dB) |       | Max. Limit (dB) | Result |
|                 |                 | QPSK                       | 16QAM |                 |        |
| 20425           | 826.5           | 5.32                       | 6.22  | 13              | Pass   |
| 20525           | 836.5           | 5.53                       | 6.41  | 13              | Pass   |
| 20625           | 846.5           | 5.27                       | 6.18  | 13              | Pass   |



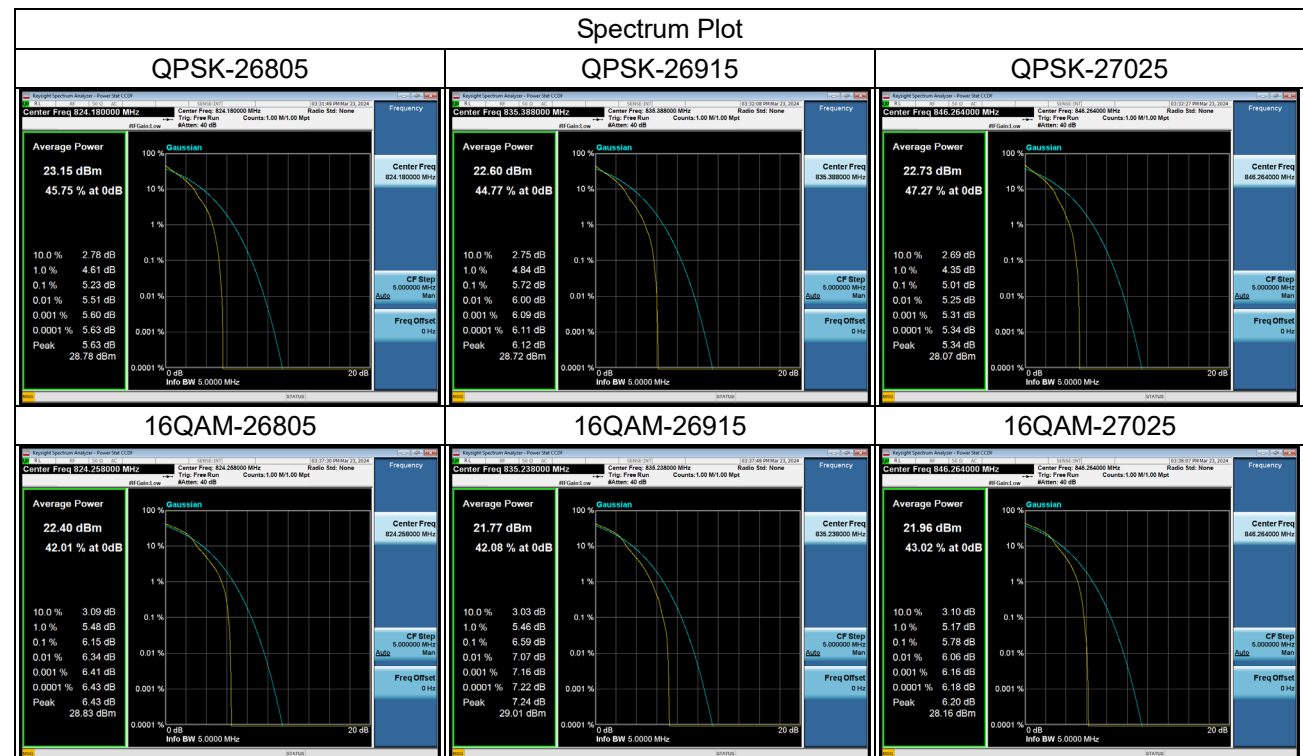
| LTE Band 5_10MHz |                 |                            |       |                 |        |
|------------------|-----------------|----------------------------|-------|-----------------|--------|
| Channel          | Frequency (MHz) | Peak To Average Ratio (dB) |       | Max. Limit (dB) | Result |
|                  |                 | QPSK                       | 16QAM |                 |        |
| 20450            | 829.0           | 5.37                       | 6.30  | 13              | Pass   |
| 20525            | 836.5           | 5.78                       | 6.69  | 13              | Pass   |
| 20600            | 844.0           | 5.44                       | 6.40  | 13              | Pass   |



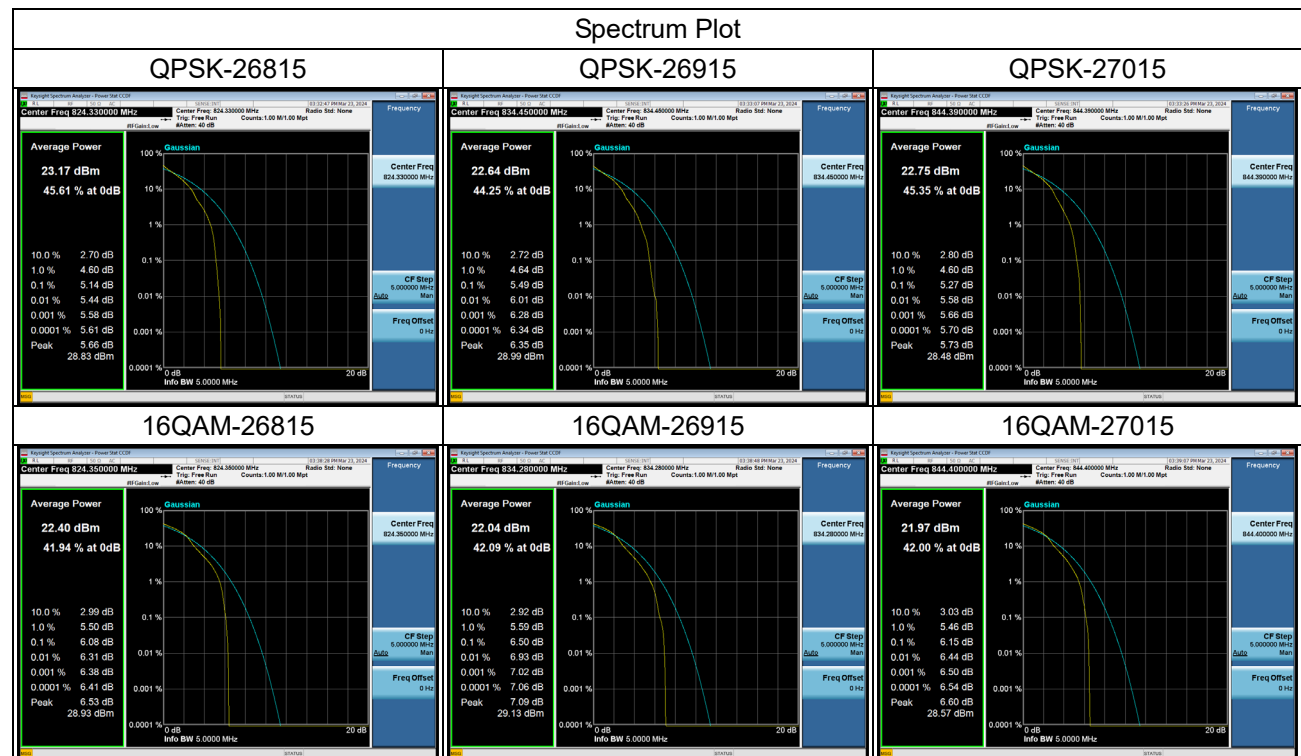
| LTE Band 26_1.4MHz |                 |                            |       |                 |        |
|--------------------|-----------------|----------------------------|-------|-----------------|--------|
| Channel            | Frequency (MHz) | Peak To Average Ratio (dB) |       | Max. Limit (dB) | Result |
|                    |                 | QPSK                       | 16QAM |                 |        |
| 26797              | 824.7           | 5.26                       | 6.26  | 13              | Pass   |
| 26915              | 836.5           | 5.69                       | 6.65  | 13              | Pass   |
| 27033              | 848.3           | 4.84                       | 5.62  | 13              | Pass   |



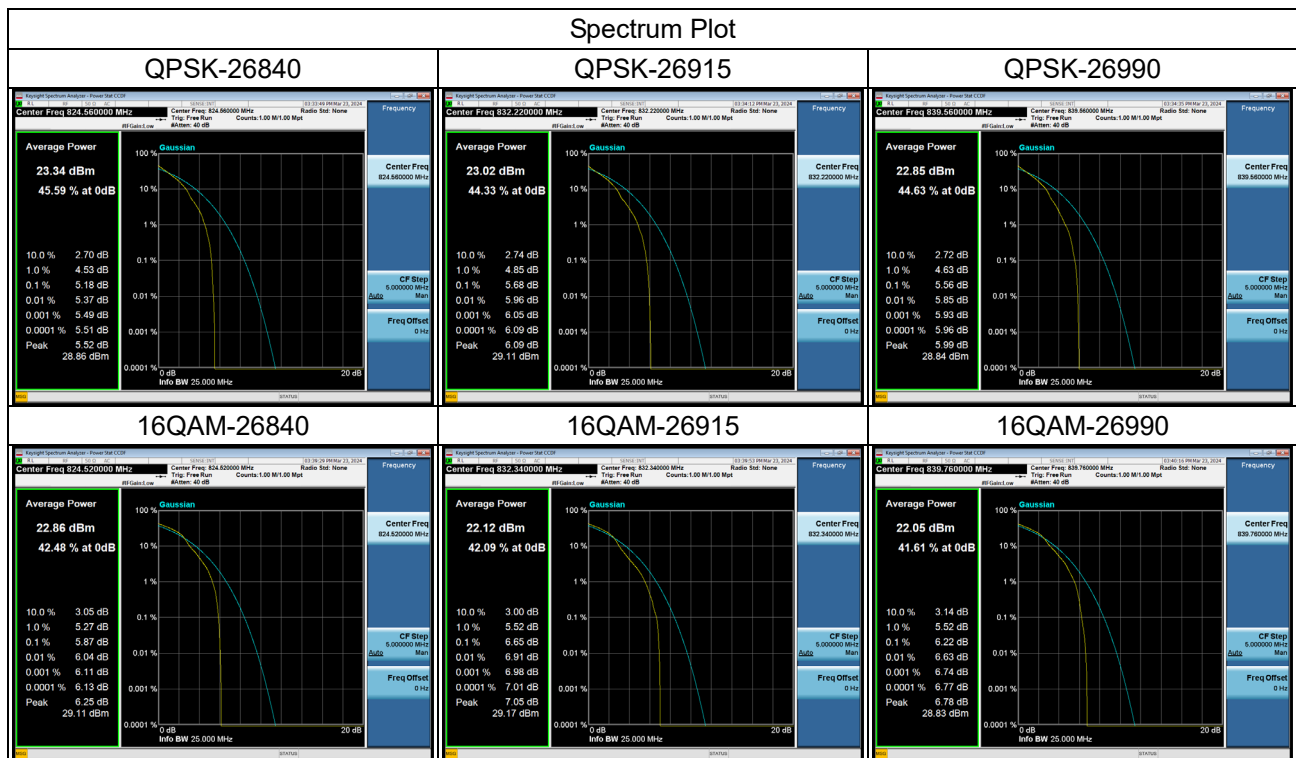
| LTE Band 26_3MHz |                 |                            |       |                 |        |
|------------------|-----------------|----------------------------|-------|-----------------|--------|
| Channel          | Frequency (MHz) | Peak To Average Ratio (dB) |       | Max. Limit (dB) | Result |
|                  |                 | QPSK                       | 16QAM |                 |        |
| 26805            | 825.5           | 5.23                       | 6.15  | 13              | Pass   |
| 26915            | 836.5           | 5.72                       | 6.59  | 13              | Pass   |
| 27025            | 847.5           | 5.01                       | 5.78  | 13              | Pass   |



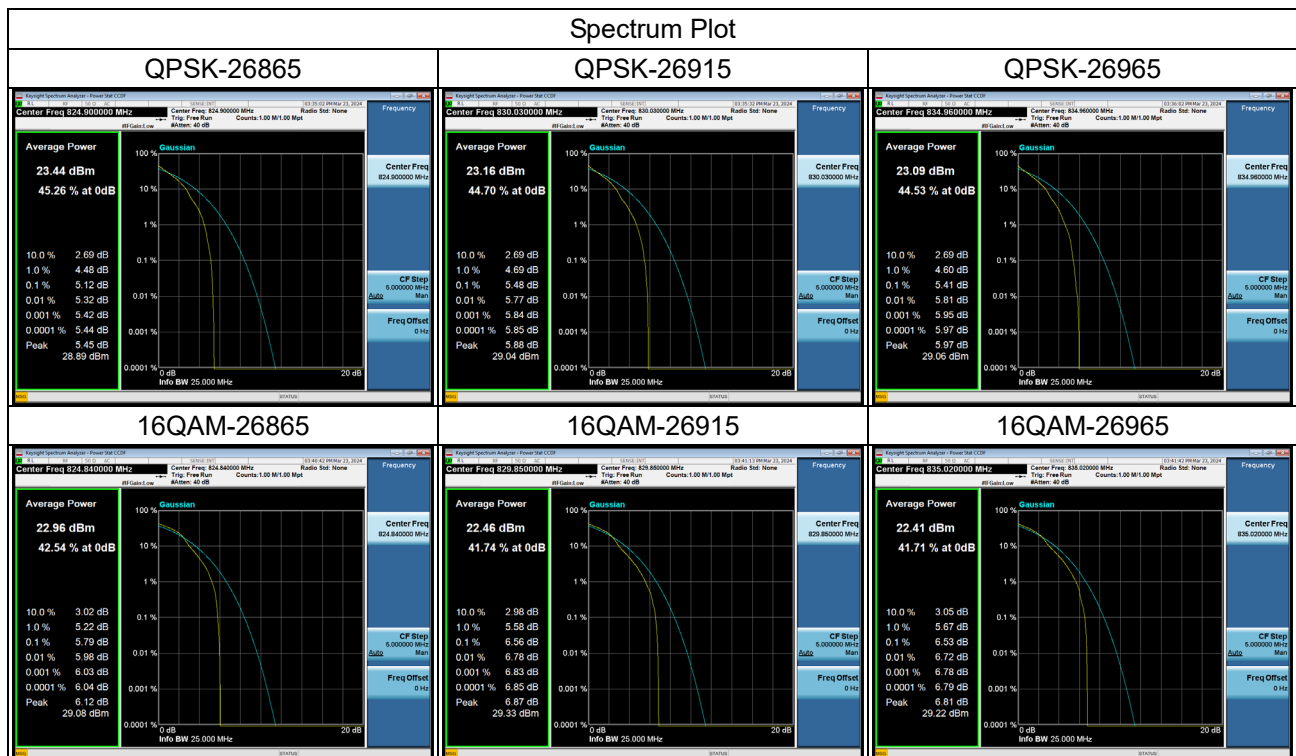
| LTE Band 26_5MHz |                 |                            |       |                 |        |
|------------------|-----------------|----------------------------|-------|-----------------|--------|
| Channel          | Frequency (MHz) | Peak To Average Ratio (dB) |       | Max. Limit (dB) | Result |
|                  |                 | QPSK                       | 16QAM |                 |        |
| 26815            | 826.5           | 5.14                       | 6.08  | 13              | Pass   |
| 26915            | 836.5           | 5.49                       | 6.50  | 13              | Pass   |
| 27015            | 846.5           | 5.27                       | 6.15  | 13              | Pass   |



| LTE Band 26_10MHz |                 |                            |       |                 |        |
|-------------------|-----------------|----------------------------|-------|-----------------|--------|
| Channel           | Frequency (MHz) | Peak To Average Ratio (dB) |       | Max. Limit (dB) | Result |
|                   |                 | QPSK                       | 16QAM |                 |        |
| 26840             | 829             | 5.18                       | 5.87  | 13              | Pass   |
| 26915             | 836.5           | 5.68                       | 6.65  | 13              | Pass   |
| 26990             | 844             | 5.56                       | 6.22  | 13              | Pass   |



| LTE Band 26_15MHz |                 |                            |       |                 |        |
|-------------------|-----------------|----------------------------|-------|-----------------|--------|
| Channel           | Frequency (MHz) | Peak To Average Ratio (dB) |       | Max. Limit (dB) | Result |
|                   |                 | QPSK                       | 16QAM |                 |        |
| 26865             | 831.5           | 5.12                       | 5.79  | 13              | Pass   |
| 26915             | 836.5           | 5.48                       | 6.56  | 13              | Pass   |
| 26965             | 841.5           | 5.41                       | 6.53  | 13              | Pass   |



## **APPENDIX I - FREQUENCY STABILITY**

|           |              |
|-----------|--------------|
| Test Mode | GSM850_CH190 |
|-----------|--------------|

| Frequency error versus temperature and supply voltage |                      |       |         |
|-------------------------------------------------------|----------------------|-------|---------|
| Temperature (°C)                                      | Frequency error (Hz) | ppm   | Limit   |
| 50                                                    | -46.18               | -0.06 | ±2.5ppm |
| 40                                                    | -46.21               | -0.06 |         |
| 30                                                    | -45.95               | -0.05 |         |
| 20                                                    | -46.24               | -0.06 |         |
| 10                                                    | -46.2                | -0.06 |         |
| 0                                                     | -44.36               | -0.05 |         |
| -10                                                   | -43.52               | -0.05 |         |
| -20                                                   | -44.65               | -0.05 |         |
| -30                                                   | -36.5                | -0.04 |         |
| Minimum voltage                                       | -33.54               | -0.04 |         |
| Maximum voltage                                       | -36.54               | -0.04 |         |
| Nominal voltage                                       | -24.53               | -0.03 |         |

Note: Nominal voltage= 3.8V, Maximum voltage= 4.35V, Minimum voltage= 3.5V.

|           |                     |
|-----------|---------------------|
| Test Mode | WCDMA Band V_CH4182 |
|-----------|---------------------|

| Frequency error versus temperature and supply voltage |                      |      |         |
|-------------------------------------------------------|----------------------|------|---------|
| Temperature (°C)                                      | Frequency error (Hz) | ppm  | Limit   |
| 50                                                    | 16.8                 | 0.02 | ±2.5ppm |
| 40                                                    | 15.32                | 0.02 |         |
| 30                                                    | 12.8                 | 0.02 |         |
| 20                                                    | 13.65                | 0.02 |         |
| 10                                                    | 15.41                | 0.02 |         |
| 0                                                     | 16.54                | 0.02 |         |
| -10                                                   | 15.32                | 0.02 |         |
| -20                                                   | 13.52                | 0.02 |         |
| -30                                                   | 14.56                | 0.02 |         |
| Minimum voltage                                       | 16.54                | 0.02 |         |
| Maximum voltage                                       | 14.36                | 0.02 |         |
| Nominal voltage                                       | 16.56                | 0.02 |         |

Note: Nominal voltage= 3.8V, Maximum voltage= 4.35V, Minimum voltage= 3.5V.

|           |                          |
|-----------|--------------------------|
| Test Mode | LTE Band 5_CH20525_10MHz |
|-----------|--------------------------|

| Frequency error versus temperature and supply voltage |                      |         |         |
|-------------------------------------------------------|----------------------|---------|---------|
| Temperature (°C)                                      | Frequency error (Hz) | ppm     | Limit   |
| 50                                                    | 3.72                 | 0.0044  | ±2.5ppm |
| 40                                                    | -3.52                | -0.0042 |         |
| 30                                                    | 3.09                 | 0.0037  |         |
| 20                                                    | -4.75                | -0.0057 |         |
| 10                                                    | -3.85                | -0.0046 |         |
| 0                                                     | -3.39                | -0.0041 |         |
| -10                                                   | 4.22                 | 0.0050  |         |
| -20                                                   | 3.23                 | 0.0039  |         |
| -30                                                   | 4.01                 | 0.0048  |         |
| Minimum voltage                                       | 3.65                 | 0.0044  |         |
| Maximum voltage                                       | 3.93                 | 0.0047  |         |
| Nominal voltage                                       | 4.05                 | 0.0048  |         |

Note: Nominal voltage= 3.8V, Maximum voltage= 4.35V, Minimum voltage= 3.5V.

|           |                           |
|-----------|---------------------------|
| Test Mode | LTE Band 26_CH26915_15MHz |
|-----------|---------------------------|

| Frequency error versus temperature and supply voltage |                      |       |         |
|-------------------------------------------------------|----------------------|-------|---------|
| Temperature (°C)                                      | Frequency error (Hz) | ppm   | Limit   |
| 50                                                    | 4.99                 | 0.01  | ±2.5ppm |
| 40                                                    | -4.71                | -0.01 |         |
| 30                                                    | 6.09                 | 0.01  |         |
| 20                                                    | 9.48                 | 0.01  |         |
| 10                                                    | -4.53                | -0.01 |         |
| 0                                                     | 5.69                 | 0.01  |         |
| -10                                                   | 4.94                 | 0.01  |         |
| -20                                                   | -4.61                | -0.01 |         |
| -30                                                   | -6.68                | -0.01 |         |
| Minimum voltage                                       | -3.52                | 0.00  |         |
| Maximum voltage                                       | -5.24                | -0.01 |         |
| Nominal voltage                                       | -4.68                | -0.01 |         |

Note: Nominal voltage= 3.8V, Maximum voltage= 4.35V, Minimum voltage= 3.5V.

**End of Test Report**