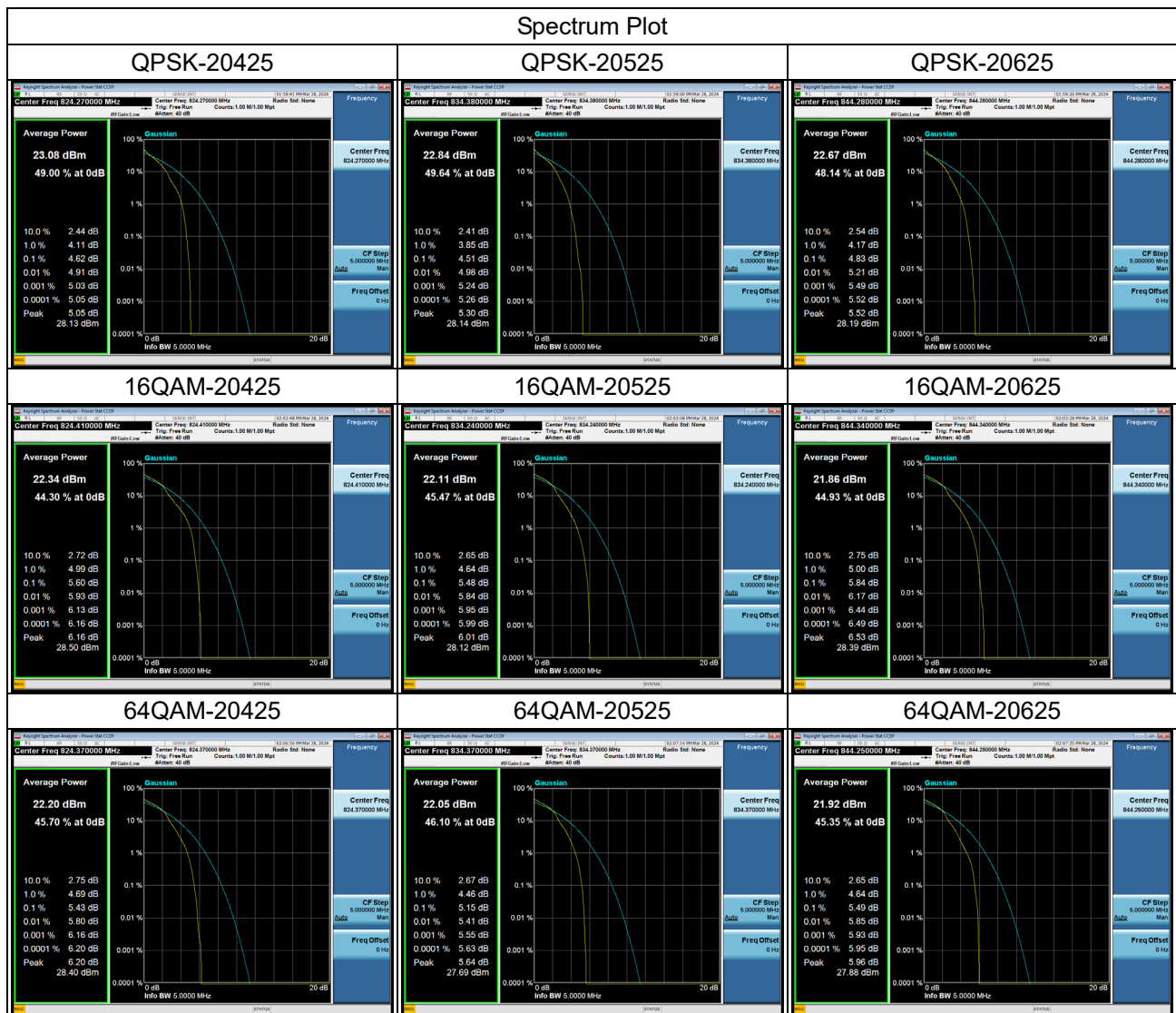
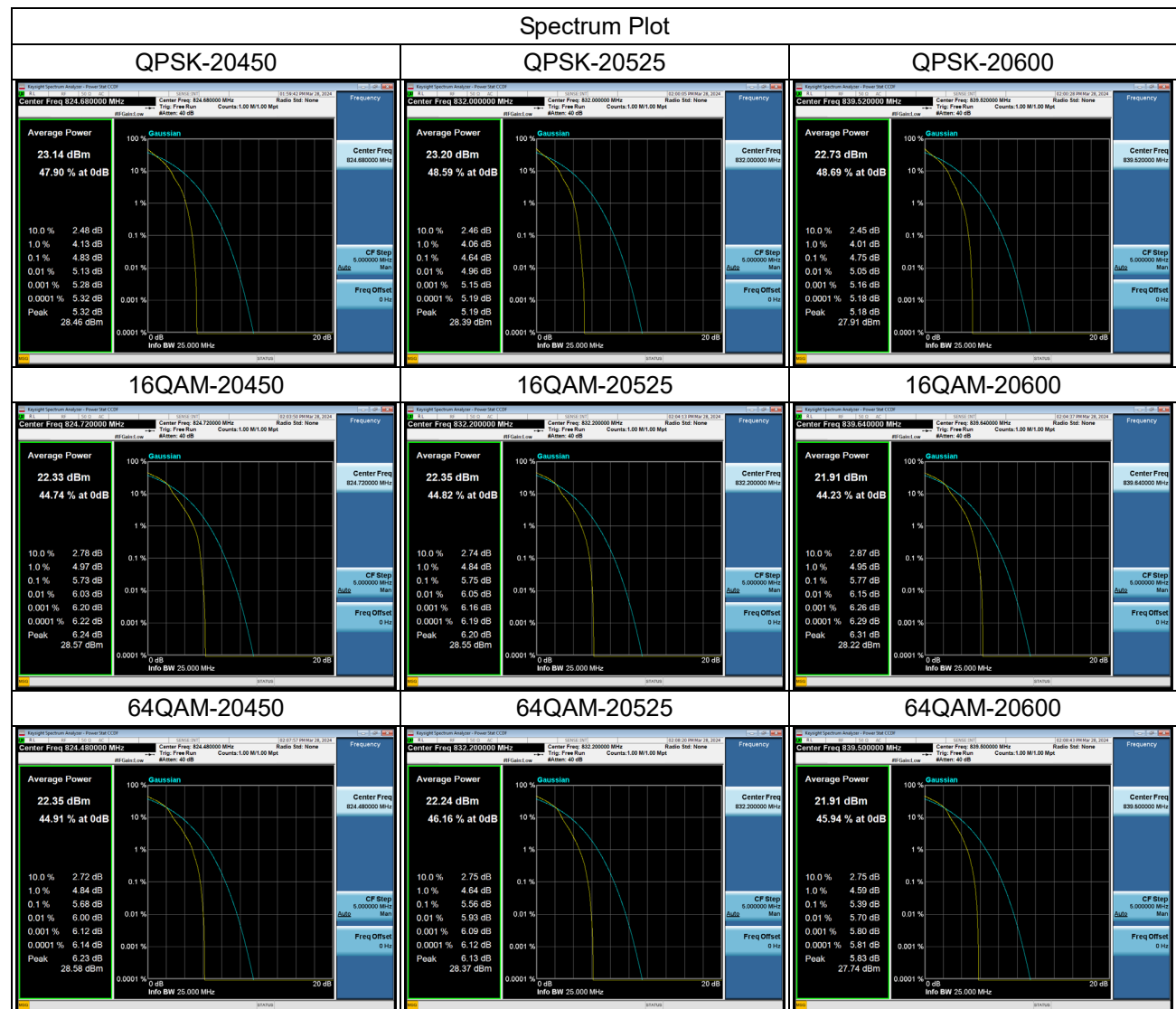


| LTE Band 5_5MHz |                 |                            |       |       |                 |        |
|-----------------|-----------------|----------------------------|-------|-------|-----------------|--------|
| Channel         | Frequency (MHz) | Peak To Average Ratio (dB) |       |       | Max. Limit (dB) | Result |
|                 |                 | QPSK                       | 16QAM | 64QAM |                 |        |
| 20425           | 826.5           | 4.62                       | 5.60  | 5.43  | 13              | Pass   |
| 20525           | 836.5           | 4.51                       | 5.48  | 5.15  | 13              | Pass   |
| 20625           | 846.5           | 4.83                       | 5.84  | 5.49  | 13              | Pass   |



| LTE Band 5_10MHz |                 |                            |       |       |                 |        |
|------------------|-----------------|----------------------------|-------|-------|-----------------|--------|
| Channel          | Frequency (MHz) | Peak To Average Ratio (dB) |       |       | Max. Limit (dB) | Result |
|                  |                 | QPSK                       | 16QAM | 64QAM |                 |        |
| 20450            | 829.0           | 4.83                       | 5.73  | 5.68  | 13              | Pass   |
| 20525            | 836.5           | 4.64                       | 5.75  | 5.56  | 13              | Pass   |
| 20600            | 844.0           | 4.75                       | 5.77  | 5.39  | 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                                                    | 26.56                | 0.0317 | ±2.5ppm |
| 40                                                    | 26.67                | 0.0319 |         |
| 30                                                    | 25.54                | 0.0305 |         |
| 20                                                    | 27.21                | 0.0325 |         |
| 10                                                    | 26.45                | 0.0316 |         |
| 0                                                     | 26.25                | 0.0314 |         |
| -10                                                   | 26.32                | 0.0315 |         |
| -20                                                   | 27.34                | 0.0327 |         |
| -30                                                   | 25.67                | 0.0307 |         |
| Minimum voltage                                       | 24.58                | 0.0294 |         |
| Maximum voltage                                       | 25.69                | 0.0307 |         |
| Nominal voltage                                       | 25.33                | 0.0303 |         |

Note: Nominal voltage= 3.6V, Maximum voltage= 4.2V, 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                                                    | 16.57                | 0.0198 | ±2.5ppm |
| 40                                                    | 16.59                | 0.0198 |         |
| 30                                                    | 16.75                | 0.0200 |         |
| 20                                                    | 17.31                | 0.0207 |         |
| 10                                                    | 16.41                | 0.0196 |         |
| 0                                                     | 17.54                | 0.0210 |         |
| -10                                                   | 16.32                | 0.0195 |         |
| -20                                                   | 15.52                | 0.0186 |         |
| -30                                                   | 15.56                | 0.0186 |         |
| Minimum voltage                                       | 17.54                | 0.0210 |         |
| Maximum voltage                                       | 16.36                | 0.0196 |         |
| Nominal voltage                                       | 16.46                | 0.0197 |         |

Note: Nominal voltage= 3.6V, Maximum voltage= 4.2V, 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                                                    | -23.35               | -0.0279 | ±2.5ppm |
| 40                                                    | -32.45               | -0.0388 |         |
| 30                                                    | -43.25               | -0.0517 |         |
| 20                                                    | -36.5                | -0.0436 |         |
| 10                                                    | -33.64               | -0.0402 |         |
| 0                                                     | -52.12               | -0.0623 |         |
| -10                                                   | -31.12               | -0.0372 |         |
| -20                                                   | -42.32               | -0.0506 |         |
| -30                                                   | -35.25               | -0.0421 |         |
| Minimum voltage                                       | -25.21               | -0.0301 |         |
| Maximum voltage                                       | -32.38               | -0.0387 |         |
| Nominal voltage                                       | -40.35               | -0.0482 |         |

Note: Nominal voltage= 3.6V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.

**End of Test Report**