

## Appendix F: Frequency Stability

### Test Result

LTE Band 2 part:

| Reference Frequency: LTE Band 2 (10MHz) Middle channel=18900 Frequency=1880.0MHz |                  |                 |           |                                   |        |
|--|------------------|-----------------|-----------|-----------------------------------|--------|
| Temperature  |                  |                 |           |                                   |        |
| Power supplied (Vdc)   | Temperature (°C) | Frequency error |           | Limit (ppm)                       | Result |
|  |                  | Hz              | ppm       |                                   |        |
| QPSK   |                  |                 |           |                                   |        |
| 3.87   | -30              | 5.41            | 0.002878  | Within authorized band for Band 2 | Pass   |
|  | -20              | 13.09           | 0.006963  |                                   |        |
|  | -10              | 14.43           | 0.007676  |                                   |        |
|  | 0                | 16.99           | 0.009037  |                                   |        |
|  | 10               | 10.10           | 0.005372  |                                   |        |
|  | 20               | 18.37           | 0.009771  |                                   |        |
|  | 30               | 5.15            | 0.002739  |                                   |        |
|  | 40               | 5.08            | 0.002702  |                                   |        |
|  | 50               | 9.20            | 0.004894  |                                   |        |
| 16QAM  |                  |                 |           |                                   |        |
| 3.87   | -30              | 14.62           | 0.007777  | Within authorized band for Band 2 | Pass   |
|  | -20              | 10.89           | 0.005793  |                                   |        |
|  | -10              | 12.37           | 0.006580  |                                   |        |
|  | 0                | 10.21           | 0.005431  |                                   |        |
|  | 10               | 12.32           | 0.006553  |                                   |        |
|  | 20               | 15.84           | 0.008426  |                                   |        |
|  | 30               | 15.29           | 0.008133  |                                   |        |
|  | 40               | 13.07           | 0.006952  |                                   |        |
|  | 50               | -5.72           | -0.003043 |                                   |        |
| 64QAM  |                  |                 |           |                                   |        |
| 3.87   | -30              | 3.69            | 0.001963  | Within authorized band for Band 2 | Pass   |
|  | -20              | 12.09           | 0.006431  |                                   |        |
|  | -10              | 3.60            | 0.001915  |                                   |        |
|  | 0                | 11.17           | 0.005941  |                                   |        |
|  | 10               | -7.47           | -0.003973 |                                   |        |
|  | 20               | 4.36            | 0.002319  |                                   |        |
|  | 30               | 12.32           | 0.006553  |                                   |        |
|  | 40               | 8.35            | 0.004441  |                                   |        |
|  | 50               | -10.87          | -0.005782 |                                   |        |
| Voltage  |                  |                 |           |                                   |        |
| Temperature  | Power supplied   | Frequency error |           | Limit (ppm)                       | Result |

| (°C)  | (Vdc) | Hz    | ppm      |                                   |      |
|---|-------|-------|----------|-----------------------------------|------|
| <b>QPSK</b>   |       |       |          |                                   |      |
| 25  | 3.45  | 10.63 | 0.005654 | Within authorized band for Band 2 | Pass |
|   | 3.87  | 6.42  | 0.003415 |                                   |      |
|   | 4.45  | 7.24  | 0.003851 |                                   |      |
| <b>16QAM</b>  |       |       |          |                                   |      |
| 25  | 3.45  | 14.73 | 0.007835 | Within authorized band for Band 2 | Pass |
|   | 3.87  | 11.37 | 0.006048 |                                   |      |
|   | 4.45  | 5.21  | 0.002771 |                                   |      |
| <b>64QAM</b>  |       |       |          |                                   |      |
| 25  | 3.45  | 5.44  | 0.002894 | Within authorized band for Band 2 | Pass |
|   | 3.87  | 10.87 | 0.005782 |                                   |      |
|   | 4.45  | 2.02  | 0.001074 |                                   |      |
| <i>Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.</i> |       |       |          |                                   |      |

LTE Band 5 part:

| Reference Frequency: LTE Band 5(10MHz) Middle channel=20525 Frequency=836.5MHz |                      |                 |           |             |        |
|--|----------------------|-----------------|-----------|-------------|--------|
| Temperature  |                      |                 |           |             |        |
| Power supplied (Vdc)   | Temperature (°C)     | Frequency error |           | Limit (ppm) | Result |
|  |                      | Hz              | ppm       |             |        |
| QPSK   |                      |                 |           |             |        |
| 3.87   | -30                  | -6.15           | -0.007352 | ±2.5        | Pass   |
|  | -20                  | -3.88           | -0.004638 |             |        |
|  | -10                  | -2.39           | -0.002857 |             |        |
|  | 0                    | -7.04           | -0.008416 |             |        |
|  | 10                   | -4.35           | -0.005200 |             |        |
|  | 20                   | -5.71           | -0.006826 |             |        |
|  | 30                   | -8.25           | -0.009863 |             |        |
|  | 40                   | -9.80           | -0.011715 |             |        |
|  | 50                   | 3.52            | 0.004208  |             |        |
| 16QAM  |                      |                 |           |             |        |
| 3.87   | -30                  | 4.55            | 0.005439  | ±2.5        | Pass   |
|  | -20                  | 2.46            | 0.002941  |             |        |
|  | -10                  | -6.68           | -0.007986 |             |        |
|  | 0                    | -6.05           | -0.007233 |             |        |
|  | 10                   | -8.93           | -0.010675 |             |        |
|  | 20                   | -5.28           | -0.006312 |             |        |
|  | 30                   | -8.08           | -0.009659 |             |        |
|  | 40                   | -5.94           | -0.007101 |             |        |
|  | 50                   | -8.38           | -0.010018 |             |        |
| 64QAM  |                      |                 |           |             |        |
| 3.87   | -30                  | -7.37           | -0.008811 | ±2.5        | Pass   |
|  | -20                  | -8.81           | -0.010532 |             |        |
|  | -10                  | -1.80           | -0.002152 |             |        |
|  | 0                    | -1.89           | -0.002259 |             |        |
|  | 10                   | -4.81           | -0.005750 |             |        |
|  | 20                   | 7.25            | 0.008667  |             |        |
|  | 30                   | -6.51           | -0.007782 |             |        |
|  | 40                   | -5.55           | -0.006635 |             |        |
|  | 50                   | 1.70            | 0.002032  |             |        |
| Voltage  |                      |                 |           |             |        |
| Temperature (°C)   | Power supplied (Vdc) | Frequency error |           | Limit (ppm) | Result |
|  |                      | Hz              | ppm       |             |        |
| QPSK   |                      |                 |           |             |        |

|  |      |       |           |      |      |
|--|------|-------|-----------|------|------|
| 25   | 3.45 | -4.69 | -0.005607 | ±2.5 | Pass |
|  | 3.87 | -7.81 | -0.009337 |      |      |
|  | 4.45 | 1.79  | 0.002140  |      |      |
| 16QAM  |      |       |           |      |      |
| 25   | 3.45 | 6.31  | 0.007543  | ±2.5 | Pass |
|  | 3.87 | -4.81 | -0.005750 |      |      |
|  | 4.45 | -7.35 | -0.008787 |      |      |
| 64QAM  |      |       |           |      |      |
| 25   | 3.45 | 6.49  | 0.007759  | ±2.5 | Pass |
|  | 3.87 | 3.69  | 0.004411  |      |      |
|  | 4.45 | -5.39 | -0.006444 |      |      |
| Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report. |      |       |           |      |      |

LTE Band 7 part:

| Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.0MHz |                      |                 |           |                                   |        |
|---|----------------------|-----------------|-----------|-----------------------------------|--------|
| Temperature   |                      |                 |           |                                   |        |
| Power supplied (Vdc)  | Temperature (°C)     | Frequency error |           | Limit (ppm)                       | Result |
|   |                      | Hz              | ppm       |                                   |        |
| QPSK  |                      |                 |           |                                   |        |
| 3.87  | -30                  | -19.44          | -0.007669 | Within authorized band for Band 7 | Pass   |
|   | -20                  | 8.44            | 0.003329  |                                   |        |
|   | -10                  | -4.33           | -0.001708 |                                   |        |
|   | 0                    | 20.77           | 0.008193  |                                   |        |
|   | 10                   | -4.03           | -0.001590 |                                   |        |
|   | 20                   | -18.11          | -0.007144 |                                   |        |
|   | 30                   | 3.88            | 0.001531  |                                   |        |
|   | 40                   | 24.09           | 0.009503  |                                   |        |
|   | 50                   | -18.97          | -0.007483 |                                   |        |
| 16QAM   |                      |                 |           |                                   |        |
| 3.87  | -30                  | 16.54           | 0.006525  | Within authorized band for Band 7 | Pass   |
|   | -20                  | -14.86          | -0.005862 |                                   |        |
|   | -10                  | -14.18          | -0.005594 |                                   |        |
|   | 0                    | -15.25          | -0.006016 |                                   |        |
|   | 10                   | 11.86           | 0.004679  |                                   |        |
|   | 20                   | -13.23          | -0.005219 |                                   |        |
|   | 30                   | 7.30            | 0.002880  |                                   |        |
|   | 40                   | 10.99           | 0.004335  |                                   |        |
|   | 50                   | 18.61           | 0.007341  |                                   |        |
| 64QAM   |                      |                 |           |                                   |        |
| 3.87  | -30                  | 19.76           | 0.007795  | Within authorized band for Band 7 | Pass   |
|   | -20                  | -16.55          | -0.006529 |                                   |        |
|   | -10                  | -18.38          | -0.007250 |                                   |        |
|   | 0                    | 17.12           | 0.006753  |                                   |        |
|   | 10                   | -14.83          | -0.005850 |                                   |        |
|   | 20                   | -13.95          | -0.005503 |                                   |        |
|   | 30                   | -6.81           | -0.002686 |                                   |        |
|   | 40                   | 16.51           | 0.006513  |                                   |        |
|   | 50                   | 15.18           | 0.005988  |                                   |        |
| Voltage   |                      |                 |           |                                   |        |
| Temperature (°C)  | Power supplied (Vdc) | Frequency error |           | Limit (ppm)                       | Result |
|   |                      | Hz              | ppm       |                                   |        |
| QPSK  |                      |                 |           |                                   |        |

|   |      |        |           |                                   |      |
|---|------|--------|-----------|-----------------------------------|------|
| 25  | 3.45 | -5.21  | -0.002055 | Within authorized band for Band 7 | Pass |
|   | 3.87 | -8.90  | -0.003511 |                                   |      |
|   | 4.45 | -17.67 | -0.006970 |                                   |      |
| 16QAM   |      |        |           |                                   |      |
| 25  | 3.45 | 13.52  | 0.005333  | Within authorized band for Band 7 | Pass |
|   | 3.87 | -18.28 | -0.007211 |                                   |      |
|   | 4.45 | -16.29 | -0.006426 |                                   |      |
| 64QAM   |      |        |           |                                   |      |
| 25  | 3.45 | 16.16  | 0.006375  | Within authorized band for Band 7 | Pass |
|   | 3.87 | 20.18  | 0.007961  |                                   |      |
|   | 4.45 | -6.48  | -0.002556 |                                   |      |
| <i>Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.</i> |      |        |           |                                   |      |

LTE Band 12 part:

| Reference Frequency: LTE Band 12(10MHz) Middle channel=23095 Frequency=707.5MHz |                      |                 |           |                                    |        |
|---|----------------------|-----------------|-----------|------------------------------------|--------|
| Temperature   |                      |                 |           |                                    |        |
| Power supplied (Vdc)  | Temperature (°C)     | Frequency error |           | Limit (ppm)                        | Result |
|   |                      | Hz              | ppm       |                                    |        |
| QPSK  |                      |                 |           |                                    |        |
| 3.87  | -30                  | -4.08           | -0.005767 | Within authorized band for Band 12 | Pass   |
|   | -20                  | -3.62           | -0.005117 |                                    |        |
|   | -10                  | -6.78           | -0.009583 |                                    |        |
|   | 0                    | -4.39           | -0.006205 |                                    |        |
|   | 10                   | -3.96           | -0.005597 |                                    |        |
|   | 20                   | -5.78           | -0.008170 |                                    |        |
|   | 30                   | -4.12           | -0.005823 |                                    |        |
|   | 40                   | -2.33           | -0.003293 |                                    |        |
|   | 50                   | -2.10           | -0.002968 |                                    |        |
| 16QAM   |                      |                 |           |                                    |        |
| 3.87  | -30                  | -6.38           | -0.009018 | Within authorized band for Band 12 | Pass   |
|   | -20                  | -5.28           | -0.007463 |                                    |        |
|   | -10                  | -4.49           | -0.006346 |                                    |        |
|   | 0                    | -2.62           | -0.003703 |                                    |        |
|   | 10                   | -3.93           | -0.005555 |                                    |        |
|   | 20                   | 0.93            | 0.001314  |                                    |        |
|   | 30                   | -4.01           | -0.005668 |                                    |        |
|   | 40                   | -4.72           | -0.006671 |                                    |        |
|   | 50                   | -3.18           | -0.004495 |                                    |        |
| 64QAM   |                      |                 |           |                                    |        |
| 3.87  | -30                  | 4.53            | 0.006403  | Within authorized band for Band 12 | Pass   |
|   | -20                  | -4.76           | -0.006728 |                                    |        |
|   | -10                  | -2.92           | -0.004127 |                                    |        |
|   | 0                    | -5.65           | -0.007986 |                                    |        |
|   | 10                   | -2.88           | -0.004071 |                                    |        |
|   | 20                   | -5.25           | -0.007420 |                                    |        |
|   | 30                   | -4.79           | -0.006770 |                                    |        |
|   | 40                   | -5.48           | -0.007746 |                                    |        |
|   | 50                   | -4.48           | -0.006332 |                                    |        |
| Voltage   |                      |                 |           |                                    |        |
| Temperature (°C)  | Power supplied (Vdc) | Frequency error |           | Limit (ppm)                        | Result |
|   |                      | Hz              | ppm       |                                    |        |
| QPSK  |                      |                 |           |                                    |        |

|   |      |       |           |                                    |      |
|---|------|-------|-----------|------------------------------------|------|
| 25  | 3.45 | -3.91 | -0.005527 | Within authorized band for Band 12 | Pass |
|   | 3.87 | -1.37 | -0.001936 |                                    |      |
|   | 4.45 | -4.09 | -0.005781 |                                    |      |
| 16QAM   |      |       |           |                                    |      |
| 25  | 3.45 | -6.82 | -0.009640 | Within authorized band for Band 12 | Pass |
|   | 3.87 | 4.66  | 0.006587  |                                    |      |
|   | 4.45 | -5.72 | -0.008085 |                                    |      |
| 64QAM   |      |       |           |                                    |      |
| 25  | 3.45 | -4.25 | -0.006007 | Within authorized band for Band 12 | Pass |
|   | 3.87 | 3.20  | 0.004523  |                                    |      |
|   | 4.45 | 3.66  | 0.005173  |                                    |      |
| <i>Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.</i> |      |       |           |                                    |      |



LTE Band 17 part:

| Reference Frequency: LTE Band 17(10MHz) Middle channel=23790 Frequency=710.0MHz |                      |                 |           |                                    |        |
|---|----------------------|-----------------|-----------|------------------------------------|--------|
| Temperature   |                      |                 |           |                                    |        |
| Power supplied (Vdc)  | Temperature (°C)     | Frequency error |           | Limit (ppm)                        | Result |
|   |                      | Hz              | ppm       |                                    |        |
| QPSK  |                      |                 |           |                                    |        |
| 3.87  | -30                  | -6.97           | -0.009817 | Within authorized band for Band 17 | Pass   |
|   | -20                  | -2.86           | -0.004028 |                                    |        |
|   | -10                  | -1.59           | -0.002239 |                                    |        |
|   | 0                    | -3.81           | -0.005366 |                                    |        |
|   | 10                   | -2.16           | -0.003042 |                                    |        |
|   | 20                   | -6.97           | -0.009817 |                                    |        |
|   | 30                   | -4.46           | -0.006282 |                                    |        |
|   | 40                   | -4.43           | -0.006239 |                                    |        |
|   | 50                   | -1.65           | -0.002324 |                                    |        |
| 16QAM   |                      |                 |           |                                    |        |
| 3.87  | -30                  | -5.26           | -0.007408 | Within authorized band for Band 17 | Pass   |
|   | -20                  | -6.62           | -0.009324 |                                    |        |
|   | -10                  | -5.97           | -0.008408 |                                    |        |
|   | 0                    | -2.63           | -0.003704 |                                    |        |
|   | 10                   | -4.01           | -0.005648 |                                    |        |
|   | 20                   | -2.36           | -0.003324 |                                    |        |
|   | 30                   | -8.14           | -0.011465 |                                    |        |
|   | 40                   | 1.13            | 0.001592  |                                    |        |
|   | 50                   | -5.18           | -0.007296 |                                    |        |
| 64QAM   |                      |                 |           |                                    |        |
| 3.87  | -30                  | -4.23           | -0.005958 | Within authorized band for Band 17 | Pass   |
|   | -20                  | -4.98           | -0.007014 |                                    |        |
|   | -10                  | 5.24            | 0.007380  |                                    |        |
|   | 0                    | -5.11           | -0.007197 |                                    |        |
|   | 10                   | 1.59            | 0.002239  |                                    |        |
|   | 20                   | -6.08           | -0.008563 |                                    |        |
|   | 30                   | -6.28           | -0.008845 |                                    |        |
|   | 40                   | -4.96           | -0.006986 |                                    |        |
|   | 50                   | 2.16            | 0.003042  |                                    |        |
| Voltage   |                      |                 |           |                                    |        |
| Temperature (°C)  | Power supplied (Vdc) | Frequency error |           | Limit (ppm)                        | Result |
|   |                      | Hz              | ppm       |                                    |        |
| QPSK  |                      |                 |           |                                    |        |

|   |      |       |           |                                    |      |
|---|------|-------|-----------|------------------------------------|------|
| 25  | 3.45 | -4.82 | -0.006789 | Within authorized band for Band 17 | Pass |
|   | 3.87 | -3.48 | -0.004901 |                                    |      |
|   | 4.45 | -2.95 | -0.004155 |                                    |      |
| 16QAM   |      |       |           |                                    |      |
| 25  | 3.45 | 2.92  | 0.004113  | Within authorized band for Band 17 | Pass |
|   | 3.87 | -5.39 | -0.007592 |                                    |      |
|   | 4.45 | -3.19 | -0.004493 |                                    |      |
| 64QAM   |      |       |           |                                    |      |
| 25  | 3.45 | -4.68 | -0.006592 | Within authorized band for Band 17 | Pass |
|   | 3.87 | -6.22 | -0.008761 |                                    |      |
|   | 4.45 | -7.68 | -0.010817 |                                    |      |
| <i>Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.</i> |      |       |           |                                    |      |

LTE Band 41 part:

| Reference Frequency: LTE Band 41 (10MHz) Middle channel=40620 Frequency=2593.0MHz |                      |                 |           |                                    |        |
|---|----------------------|-----------------|-----------|------------------------------------|--------|
| Temperature   |                      |                 |           |                                    |        |
| Power supplied (Vdc)  | Temperature (°C)     | Frequency error |           | Limit (ppm)                        | Result |
|   |                      | Hz              | ppm       |                                    |        |
| QPSK  |                      |                 |           |                                    |        |
| 3.87  | -30                  | -4.62           | -0.001782 | Within authorized band for Band 41 | Pass   |
|   | -20                  | -5.11           | -0.001971 |                                    |        |
|   | -10                  | 2.90            | 0.001118  |                                    |        |
|   | 0                    | -6.04           | -0.002329 |                                    |        |
|   | 10                   | -4.12           | -0.001589 |                                    |        |
|   | 20                   | 1.85            | 0.000713  |                                    |        |
|   | 30                   | 7.07            | 0.002727  |                                    |        |
|   | 40                   | 4.79            | 0.001847  |                                    |        |
|   | 50                   | 9.87            | 0.003806  |                                    |        |
| 16QAM   |                      |                 |           |                                    |        |
| 3.87  | -30                  | 8.28            | 0.003193  | Within authorized band for Band 41 | Pass   |
|   | -20                  | 8.43            | 0.003251  |                                    |        |
|   | -10                  | 6.07            | 0.002341  |                                    |        |
|   | 0                    | -4.82           | -0.001859 |                                    |        |
|   | 10                   | 3.19            | 0.001230  |                                    |        |
|   | 20                   | -7.05           | -0.002719 |                                    |        |
|   | 30                   | 7.85            | 0.003027  |                                    |        |
|   | 40                   | 10.57           | 0.004076  |                                    |        |
|   | 50                   | 5.58            | 0.002152  |                                    |        |
| 64QAM   |                      |                 |           |                                    |        |
| 3.87  | -30                  | 1.43            | 0.000551  | Within authorized band for Band 41 | Pass   |
|   | -20                  | 7.31            | 0.002819  |                                    |        |
|   | -10                  | -9.26           | -0.003571 |                                    |        |
|   | 0                    | 7.32            | 0.002823  |                                    |        |
|   | 10                   | 6.02            | 0.002322  |                                    |        |
|   | 20                   | 7.38            | 0.002846  |                                    |        |
|   | 30                   | -2.60           | -0.001003 |                                    |        |
|   | 40                   | 4.21            | 0.001624  |                                    |        |
|   | 50                   | 9.51            | 0.003668  |                                    |        |
| Voltage   |                      |                 |           |                                    |        |
| Temperature (°C)  | Power supplied (Vdc) | Frequency error |           | Limit (ppm)                        | Result |
|   |                      | Hz              | ppm       |                                    |        |
| QPSK  |                      |                 |           |                                    |        |

|   |      |       |           |                                    |      |
|---|------|-------|-----------|------------------------------------|------|
| 25  | 3.45 | 6.21  | 0.002395  | Within authorized band for Band 41 | Pass |
|   | 3.87 | 6.05  | 0.002333  |                                    |      |
|   | 4.45 | 5.22  | 0.002013  |                                    |      |
| 16QAM   |      |       |           |                                    |      |
| 25  | 3.45 | 8.55  | 0.003297  | Within authorized band for Band41  | Pass |
|   | 3.87 | 4.82  | 0.001859  |                                    |      |
|   | 4.45 | -2.68 | -0.001034 |                                    |      |
| 64QAM   |      |       |           |                                    |      |
| 25  | 3.45 | 4.03  | 0.001554  | Within authorized band for Band 41 | Pass |
|   | 3.87 | 7.21  | 0.002781  |                                    |      |
|   | 4.45 | -5.66 | -0.002183 |                                    |      |
| <i>Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.</i> |      |       |           |                                    |      |

LTE Band 66 part:

| Reference Frequency: LTE Band 66 (10MHz) Middle channel=132322 Frequency=1745.0MHz |                      |                 |           |                                    |        |
|--|----------------------|-----------------|-----------|------------------------------------|--------|
| Temperature  |                      |                 |           |                                    |        |
| Power supplied (Vdc)   | Temperature (°C)     | Frequency error |           | Limit (ppm)                        | Result |
|  |                      | Hz              | ppm       |                                    |        |
| QPSK   |                      |                 |           |                                    |        |
| 3.87   | -30                  | 8.55            | 0.004900  | Within authorized band for Band 66 | Pass   |
|  | -20                  | 16.22           | 0.009295  |                                    |        |
|  | -10                  | 14.66           | 0.008401  |                                    |        |
|  | 0                    | -12.13          | -0.006951 |                                    |        |
|  | 10                   | 14.58           | 0.008355  |                                    |        |
|  | 20                   | 7.78            | 0.004458  |                                    |        |
|  | 30                   | -15.08          | -0.008642 |                                    |        |
|  | 40                   | -15.91          | -0.009117 |                                    |        |
|  | 50                   | 7.61            | 0.004361  |                                    |        |
| 16QAM  |                      |                 |           |                                    |        |
| 3.87   | -30                  | -14.99          | -0.008590 | Within authorized band for Band 66 | Pass   |
|  | -20                  | 6.98            | 0.004000  |                                    |        |
|  | -10                  | -14.26          | -0.008172 |                                    |        |
|  | 0                    | 9.56            | 0.005479  |                                    |        |
|  | 10                   | 10.96           | 0.006281  |                                    |        |
|  | 20                   | 8.53            | 0.004888  |                                    |        |
|  | 30                   | -6.18           | -0.003542 |                                    |        |
|  | 40                   | 10.86           | 0.006223  |                                    |        |
|  | 50                   | 15.99           | 0.009163  |                                    |        |
| 64QAM  |                      |                 |           |                                    |        |
| 3.87   | -30                  | 8.96            | 0.005135  | Within authorized band for Band 66 | Pass   |
|  | -20                  | 5.85            | 0.003352  |                                    |        |
|  | -10                  | -8.94           | -0.005123 |                                    |        |
|  | 0                    | 9.73            | 0.005576  |                                    |        |
|  | 10                   | -6.58           | -0.003771 |                                    |        |
|  | 20                   | 13.95           | 0.007994  |                                    |        |
|  | 30                   | -5.98           | -0.003427 |                                    |        |
|  | 40                   | 11.13           | 0.006378  |                                    |        |
|  | 50                   | -14.28          | -0.008183 |                                    |        |
| Voltage  |                      |                 |           |                                    |        |
| Temperature (°C)   | Power supplied (Vdc) | Frequency error |           | Limit (ppm)                        | Result |
|  |                      | Hz              | ppm       |                                    |        |
| QPSK   |                      |                 |           |                                    |        |

|   |      |        |           |                                    |      |
|---|------|--------|-----------|------------------------------------|------|
| 25  | 3.45 | -4.41  | -0.002527 | Within authorized band for Band 66 | Pass |
|   | 3.87 | 8.63   | 0.004946  |                                    |      |
|   | 4.45 | -5.55  | -0.003181 |                                    |      |
| 16QAM   |      |        |           |                                    |      |
| 25  | 3.45 | 12.97  | 0.007433  | Within authorized band for Band 66 | Pass |
|   | 3.87 | -17.54 | -0.010052 |                                    |      |
|   | 4.45 | 6.42   | 0.003679  |                                    |      |
| 64QAM   |      |        |           |                                    |      |
| 25  | 3.45 | 17.77  | 0.010183  | Within authorized band for Band 66 | Pass |
|   | 3.87 | 2.79   | 0.001599  |                                    |      |
|   | 4.45 | 10.40  | 0.005960  |                                    |      |
| <i>Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.</i> |      |        |           |                                    |      |

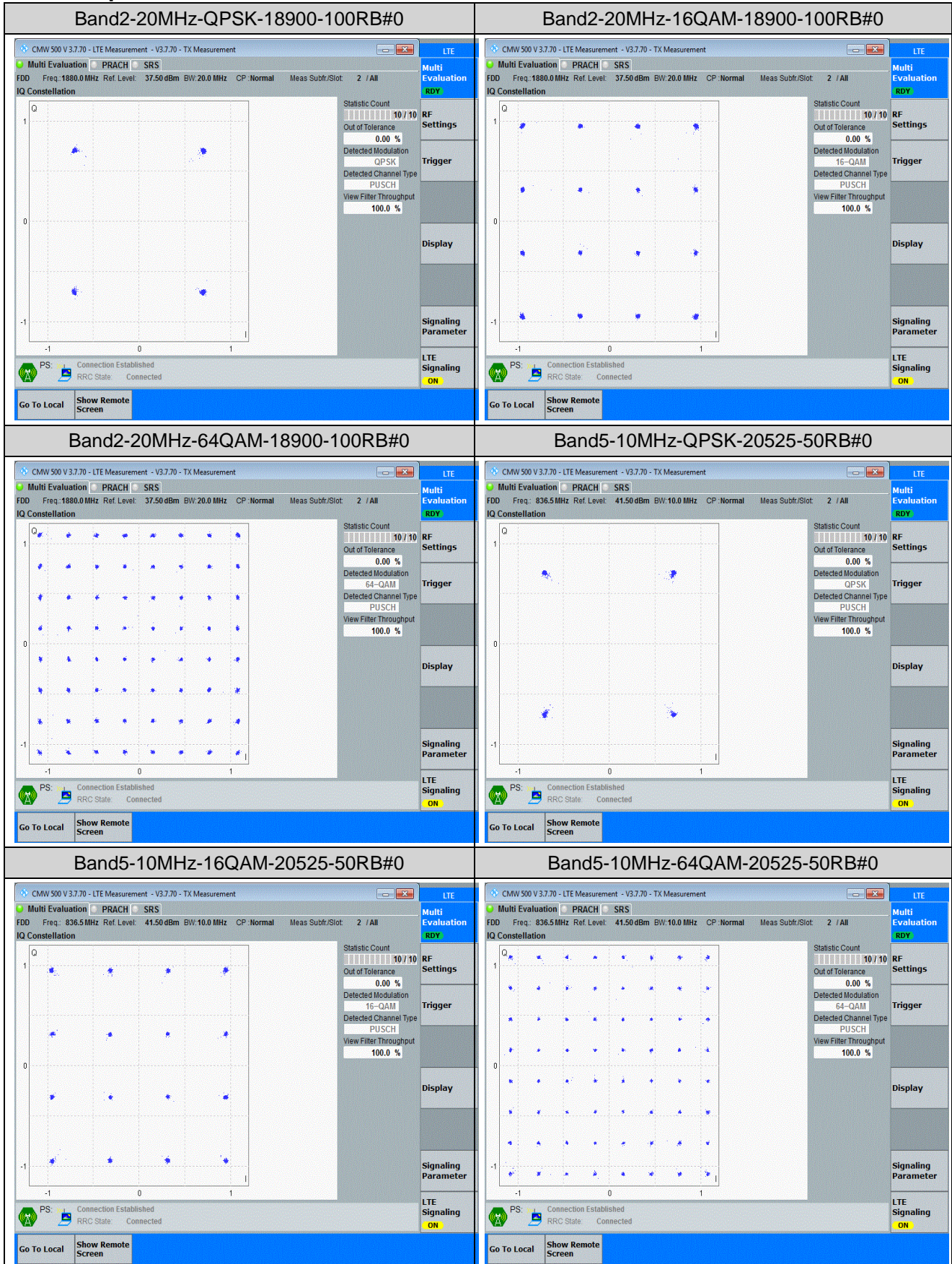
## Appendix G: Modulation Characteristics

### Test Result

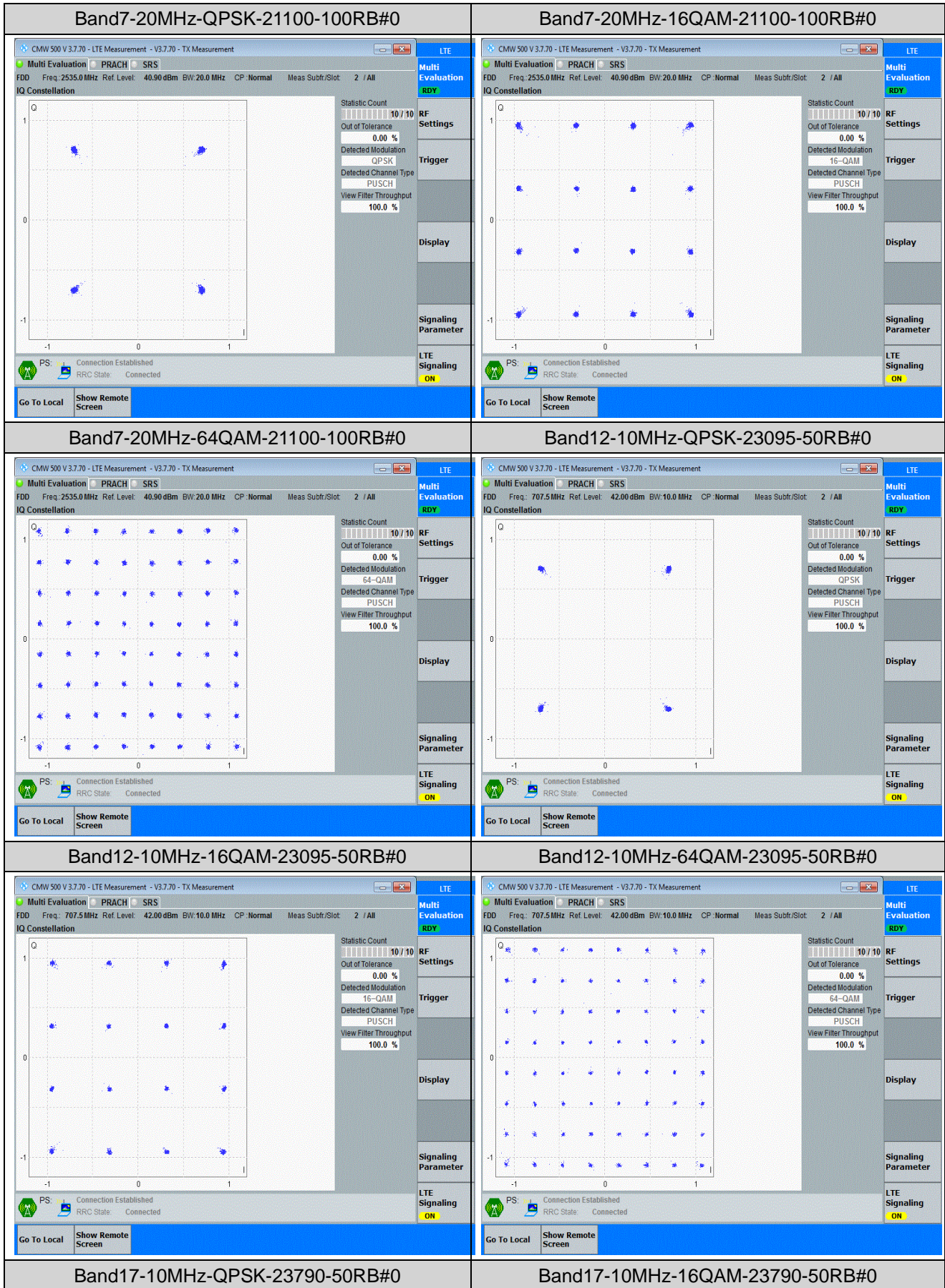
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result | Verdict |
|--------|-----------|------------|---------|------------------|--------|---------|
| Band2  | 20MHz     | QPSK       | 18900   | 100RB#0          | PASS   | PASS    |
| Band2  | 20MHz     | 16QAM      | 18900   | 100RB#0          | PASS   | PASS    |
| Band2  | 20MHz     | 64QAM      | 18900   | 100RB#0          | PASS   | PASS    |
| Band5  | 10MHz     | QPSK       | 20525   | 50RB#0           | PASS   | PASS    |
| Band5  | 10MHz     | 16QAM      | 20525   | 50RB#0           | PASS   | PASS    |
| Band5  | 10MHz     | 64QAM      | 20525   | 50RB#0           | PASS   | PASS    |
| Band7  | 20MHz     | QPSK       | 21100   | 100RB#0          | PASS   | PASS    |
| Band7  | 20MHz     | 16QAM      | 21100   | 100RB#0          | PASS   | PASS    |
| Band7  | 20MHz     | 64QAM      | 21100   | 100RB#0          | PASS   | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0           | PASS   | PASS    |
| Band12 | 10MHz     | 16QAM      | 23095   | 50RB#0           | PASS   | PASS    |
| Band12 | 10MHz     | 64QAM      | 23095   | 50RB#0           | PASS   | PASS    |
| Band17 | 10MHz     | QPSK       | 23790   | 50RB#0           | PASS   | PASS    |
| Band17 | 10MHz     | 16QAM      | 23790   | 50RB#0           | PASS   | PASS    |
| Band17 | 10MHz     | 64QAM      | 23790   | 50RB#0           | PASS   | PASS    |
| Band41 | 20MHz     | QPSK       | 40620   | 100RB#0          | PASS   | PASS    |
| Band41 | 20MHz     | 16QAM      | 40620   | 100RB#0          | PASS   | PASS    |
| Band41 | 20MHz     | 64QAM      | 40620   | 100RB#0          | PASS   | PASS    |
| Band66 | 20MHz     | QPSK       | 132322  | 100RB#0          | PASS   | PASS    |
| Band66 | 20MHz     | 16QAM      | 132322  | 100RB#0          | PASS   | PASS    |
| Band66 | 20MHz     | 64QAM      | 132322  | 100RB#0          | PASS   | PASS    |

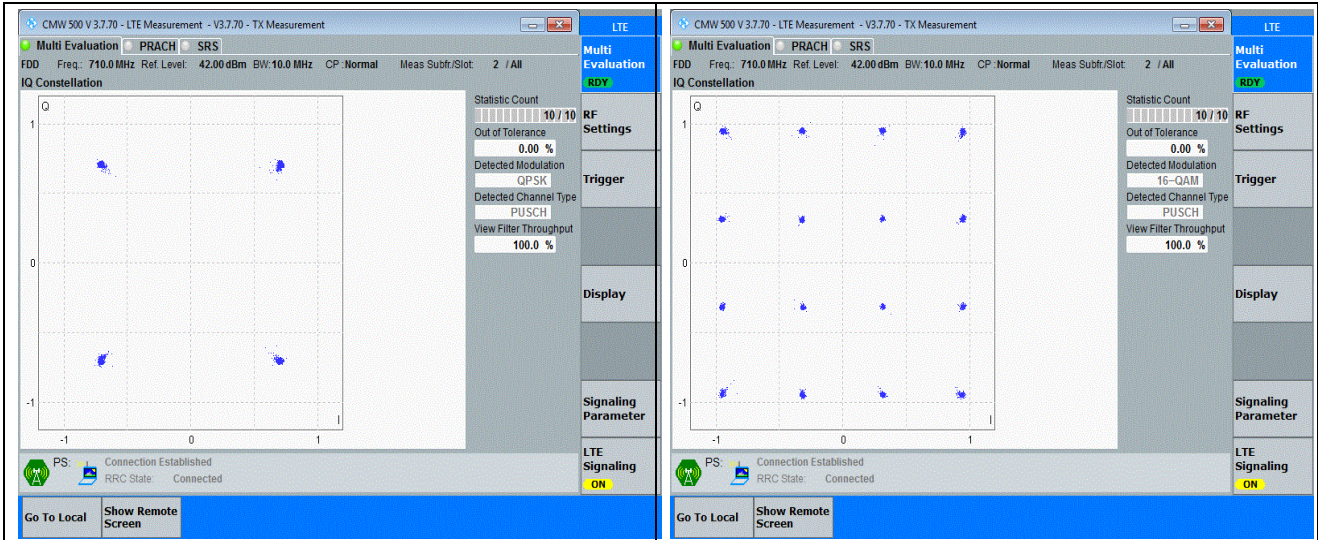
*Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.*

Test Graphs



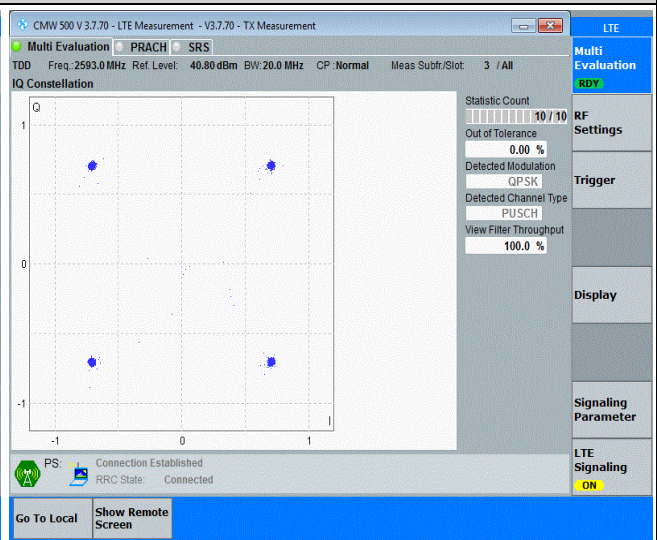
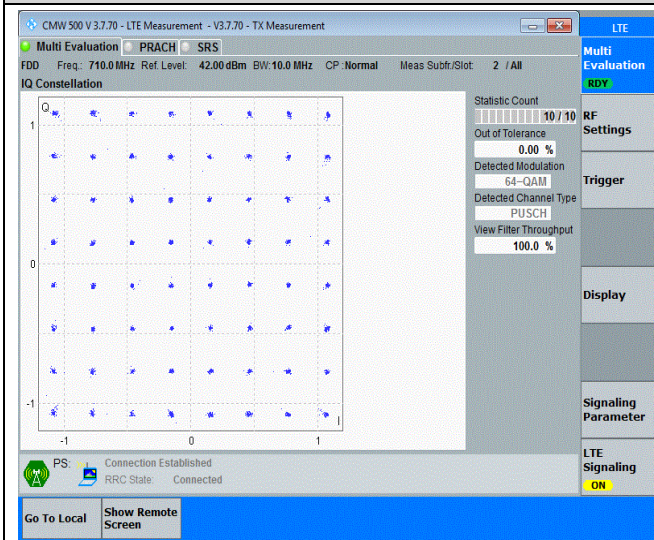






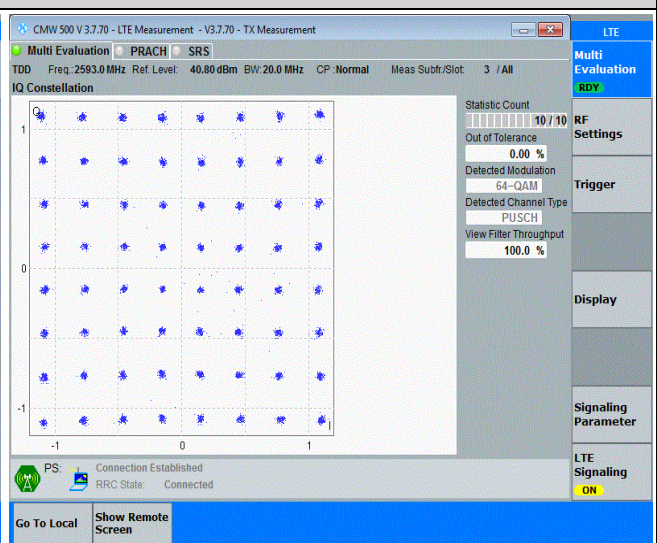
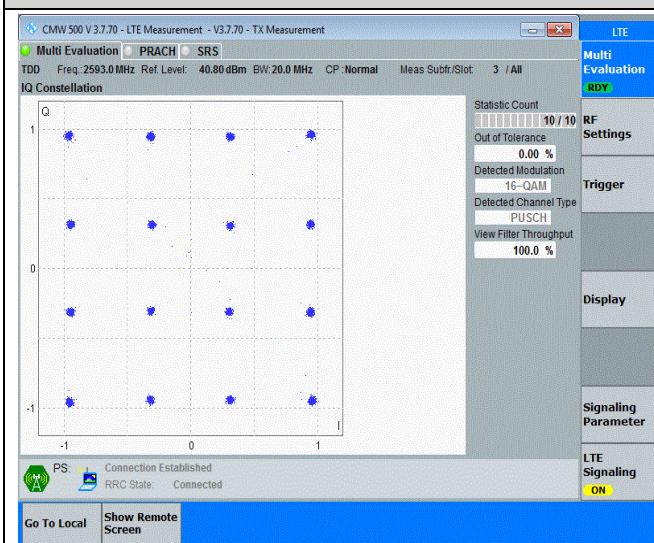
Band17-10MHz-64QAM-23790-50RB#0

Band41-20MHz-QPSK-40620-100RB#0



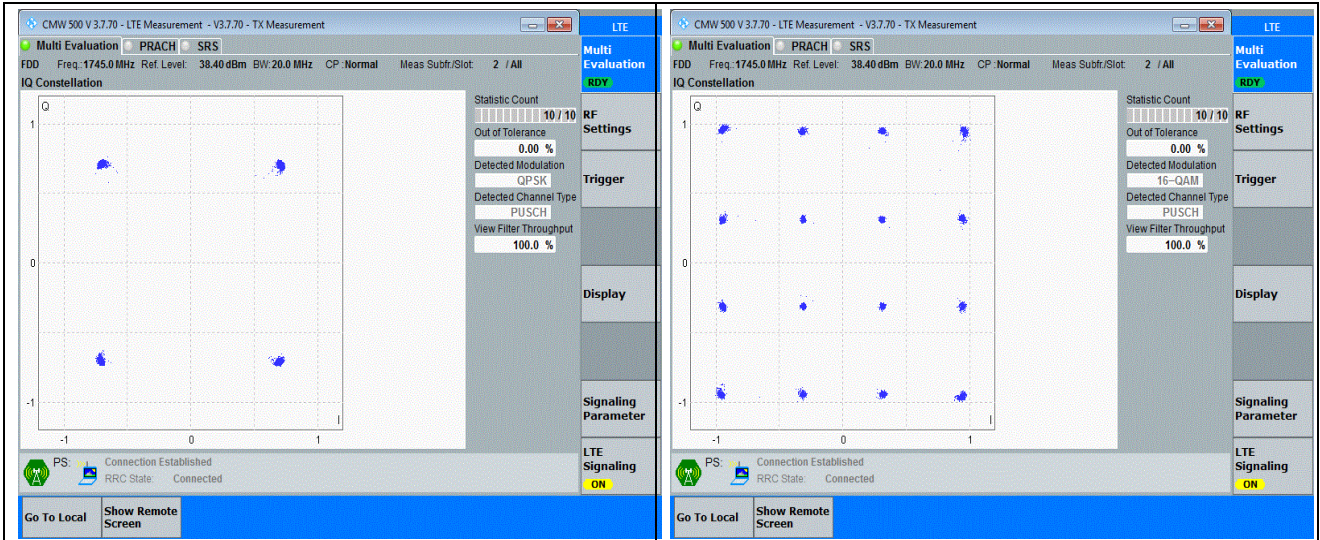
Band41-20MHz-16QAM-40620-100RB#0

Band41-20MHz-64QAM-40620-100RB#0

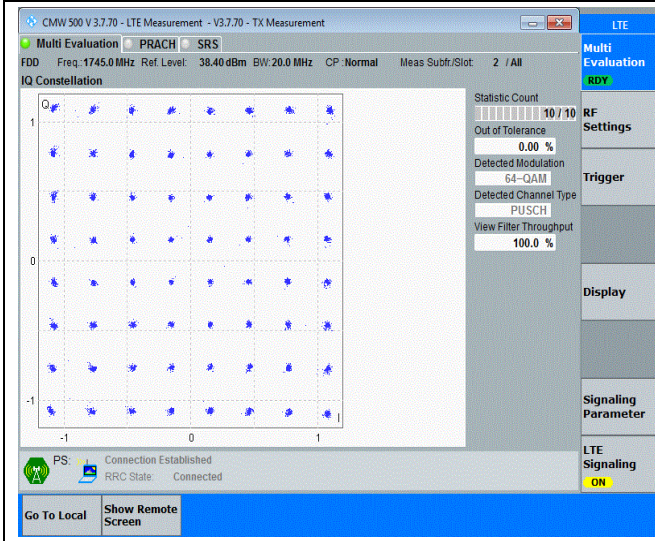


Band66-20MHz-QPSK-132322-100RB#0

Band66-20MHz-16QAM-132322-100RB#0



**Band66-20MHz-64QAM-132322-100RB#0**



## Antenna 5 (LTE Band 7 & Band 41 TX ANT in ENDC mode)

### Appendix A: Effective (Isotropic) Radiated Power Output Data

#### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Conducted Power (dBm) | ERP/EIRP (dBm) | ERP/EIRP Limit (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-----------------------|----------------|----------------------|---------|
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#0            | 22.31                 | 17.61          | 33.01                | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#12           | 22.23                 | 17.53          | 33.01                | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#24           | 22.60                 | 17.9           | 33.01                | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 12RB#0           | 21.47                 | 16.77          | 33.01                | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 12RB#6           | 21.41                 | 16.71          | 33.01                | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 12RB#11          | 21.42                 | 16.72          | 33.01                | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | 21.42                 | 16.72          | 33.01                | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 1RB#0            | 22.52                 | 17.82          | 33.01                | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 1RB#12           | 22.50                 | 17.8           | 33.01                | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 1RB#24           | 22.47                 | 17.77          | 33.01                | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 12RB#0           | 21.42                 | 16.72          | 33.01                | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 12RB#6           | 21.38                 | 16.68          | 33.01                | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 12RB#11          | 21.32                 | 16.62          | 33.01                | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | 21.33                 | 16.63          | 33.01                | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#0            | 22.52                 | 17.82          | 33.01                | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#12           | 22.65                 | 17.95          | 33.01                | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#24           | 22.72                 | 18.02          | 33.01                | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 12RB#0           | 21.53                 | 16.83          | 33.01                | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 12RB#6           | 21.52                 | 16.82          | 33.01                | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 12RB#11          | 21.53                 | 16.83          | 33.01                | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | 21.51                 | 16.81          | 33.01                | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 1RB#0            | 21.17                 | 16.47          | 33.01                | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 1RB#12           | 21.06                 | 16.36          | 33.01                | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 1RB#24           | 21.45                 | 16.75          | 33.01                | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 12RB#0           | 20.47                 | 15.77          | 33.01                | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 12RB#6           | 20.50                 | 15.8           | 33.01                | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 12RB#11          | 20.50                 | 15.8           | 33.01                | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | 20.45                 | 15.75          | 33.01                | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 1RB#0            | 21.63                 | 16.93          | 33.01                | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 1RB#12           | 21.60                 | 16.9           | 33.01                | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 1RB#24           | 21.61                 | 16.91          | 33.01                | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 12RB#0           | 20.44                 | 15.74          | 33.01                | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 12RB#6           | 20.44                 | 15.74          | 33.01                | PASS    |

|       |       |       |       |         |       |       |       |      |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band7 | 5MHz  | 16QAM | 21100 | 12RB#11 | 20.38 | 15.68 | 33.01 | PASS |
| Band7 | 5MHz  | 16QAM | 21100 | 25RB#0  | 20.33 | 15.63 | 33.01 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 1RB#0   | 21.49 | 16.79 | 33.01 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 1RB#12  | 21.53 | 16.83 | 33.01 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 1RB#24  | 21.61 | 16.91 | 33.01 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 12RB#0  | 20.54 | 15.84 | 33.01 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 12RB#6  | 20.51 | 15.81 | 33.01 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 12RB#11 | 20.54 | 15.84 | 33.01 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 25RB#0  | 20.59 | 15.89 | 33.01 | PASS |
| Band7 | 5MHz  | 64QAM | 20775 | 1RB#0   | 20.20 | 15.5  | 33.01 | PASS |
| Band7 | 5MHz  | 64QAM | 20775 | 1RB#12  | 20.45 | 15.75 | 33.01 | PASS |
| Band7 | 5MHz  | 64QAM | 20775 | 1RB#24  | 20.49 | 15.79 | 33.01 | PASS |
| Band7 | 5MHz  | 64QAM | 20775 | 12RB#0  | 19.49 | 14.79 | 33.01 | PASS |
| Band7 | 5MHz  | 64QAM | 20775 | 12RB#6  | 19.46 | 14.76 | 33.01 | PASS |
| Band7 | 5MHz  | 64QAM | 20775 | 12RB#11 | 19.47 | 14.77 | 33.01 | PASS |
| Band7 | 5MHz  | 64QAM | 20775 | 25RB#0  | 19.43 | 14.73 | 33.01 | PASS |
| Band7 | 5MHz  | 64QAM | 21100 | 1RB#0   | 20.97 | 16.27 | 33.01 | PASS |
| Band7 | 5MHz  | 64QAM | 21100 | 1RB#12  | 20.91 | 16.21 | 33.01 | PASS |
| Band7 | 5MHz  | 64QAM | 21100 | 1RB#24  | 20.95 | 16.25 | 33.01 | PASS |
| Band7 | 5MHz  | 64QAM | 21100 | 12RB#0  | 19.43 | 14.73 | 33.01 | PASS |
| Band7 | 5MHz  | 64QAM | 21100 | 12RB#6  | 19.42 | 14.72 | 33.01 | PASS |
| Band7 | 5MHz  | 64QAM | 21100 | 12RB#11 | 19.36 | 14.66 | 33.01 | PASS |
| Band7 | 5MHz  | 64QAM | 21100 | 25RB#0  | 19.31 | 14.61 | 33.01 | PASS |
| Band7 | 5MHz  | 64QAM | 21425 | 1RB#0   | 20.76 | 16.06 | 33.01 | PASS |
| Band7 | 5MHz  | 64QAM | 21425 | 1RB#12  | 20.81 | 16.11 | 33.01 | PASS |
| Band7 | 5MHz  | 64QAM | 21425 | 1RB#24  | 20.87 | 16.17 | 33.01 | PASS |
| Band7 | 5MHz  | 64QAM | 21425 | 12RB#0  | 19.54 | 14.84 | 33.01 | PASS |
| Band7 | 5MHz  | 64QAM | 21425 | 12RB#6  | 19.55 | 14.85 | 33.01 | PASS |
| Band7 | 5MHz  | 64QAM | 21425 | 12RB#11 | 19.57 | 14.87 | 33.01 | PASS |
| Band7 | 5MHz  | 64QAM | 21425 | 25RB#0  | 19.52 | 14.82 | 33.01 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 1RB#0   | 22.50 | 17.8  | 33.01 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 1RB#24  | 22.52 | 17.82 | 33.01 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 1RB#49  | 22.54 | 17.84 | 33.01 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 25RB#0  | 21.48 | 16.78 | 33.01 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 25RB#12 | 21.46 | 16.76 | 33.01 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 25RB#24 | 21.42 | 16.72 | 33.01 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 50RB#0  | 21.48 | 16.78 | 33.01 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 1RB#0   | 22.35 | 17.65 | 33.01 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 1RB#24  | 22.37 | 17.67 | 33.01 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 1RB#49  | 22.31 | 17.61 | 33.01 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 25RB#0  | 21.46 | 16.76 | 33.01 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 25RB#12 | 21.46 | 16.76 | 33.01 | PASS |

|       |       |       |       |         |       |       |       |      |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band7 | 10MHz | QPSK  | 21100 | 25RB#24 | 21.46 | 16.76 | 33.01 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 50RB#0  | 21.44 | 16.74 | 33.01 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#0   | 22.35 | 17.65 | 33.01 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#24  | 22.40 | 17.7  | 33.01 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#49  | 22.45 | 17.75 | 33.01 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 25RB#0  | 21.54 | 16.84 | 33.01 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 25RB#12 | 21.54 | 16.84 | 33.01 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 25RB#24 | 21.53 | 16.83 | 33.01 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 50RB#0  | 21.55 | 16.85 | 33.01 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 1RB#0   | 21.67 | 16.97 | 33.01 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 1RB#24  | 21.67 | 16.97 | 33.01 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 1RB#49  | 21.71 | 17.01 | 33.01 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 25RB#0  | 20.43 | 15.73 | 33.01 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 25RB#12 | 20.44 | 15.74 | 33.01 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 25RB#24 | 20.41 | 15.71 | 33.01 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 50RB#0  | 20.46 | 15.76 | 33.01 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#0   | 21.59 | 16.89 | 33.01 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#24  | 21.58 | 16.88 | 33.01 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#49  | 21.54 | 16.84 | 33.01 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 25RB#0  | 20.45 | 15.75 | 33.01 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 25RB#12 | 20.48 | 15.78 | 33.01 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 25RB#24 | 20.49 | 15.79 | 33.01 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 50RB#0  | 20.45 | 15.75 | 33.01 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#0   | 21.31 | 16.61 | 33.01 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#24  | 21.37 | 16.67 | 33.01 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#49  | 21.46 | 16.76 | 33.01 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 25RB#0  | 20.59 | 15.89 | 33.01 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 25RB#12 | 20.59 | 15.89 | 33.01 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 25RB#24 | 20.58 | 15.88 | 33.01 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 50RB#0  | 20.57 | 15.87 | 33.01 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 1RB#0   | 20.50 | 15.8  | 33.01 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 1RB#24  | 20.50 | 15.8  | 33.01 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 1RB#49  | 20.52 | 15.82 | 33.01 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 25RB#0  | 19.38 | 14.68 | 33.01 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 25RB#12 | 19.39 | 14.69 | 33.01 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 25RB#24 | 19.42 | 14.72 | 33.01 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 50RB#0  | 19.41 | 14.71 | 33.01 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 1RB#0   | 20.44 | 15.74 | 33.01 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 1RB#24  | 20.49 | 15.79 | 33.01 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 1RB#49  | 20.41 | 15.71 | 33.01 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 25RB#0  | 19.42 | 14.72 | 33.01 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 25RB#12 | 19.44 | 14.74 | 33.01 | PASS |

|       |       |       |       |         |       |       |       |      |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band7 | 10MHz | 64QAM | 21100 | 25RB#24 | 19.43 | 14.73 | 33.01 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 50RB#0  | 19.45 | 14.75 | 33.01 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 1RB#0   | 20.73 | 16.03 | 33.01 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 1RB#24  | 20.86 | 16.16 | 33.01 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 1RB#49  | 20.92 | 16.22 | 33.01 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 25RB#0  | 19.50 | 14.8  | 33.01 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 25RB#12 | 19.51 | 14.81 | 33.01 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 25RB#24 | 19.49 | 14.79 | 33.01 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 50RB#0  | 19.49 | 14.79 | 33.01 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#0   | 22.42 | 17.72 | 33.01 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#37  | 22.50 | 17.8  | 33.01 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#74  | 22.34 | 17.64 | 33.01 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 36RB#0  | 21.33 | 16.63 | 33.01 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 36RB#16 | 21.39 | 16.69 | 33.01 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 36RB#35 | 21.40 | 16.7  | 33.01 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 75RB#0  | 21.37 | 16.67 | 33.01 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 1RB#0   | 22.32 | 17.62 | 33.01 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 1RB#37  | 22.35 | 17.65 | 33.01 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 1RB#74  | 22.27 | 17.57 | 33.01 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 36RB#0  | 21.35 | 16.65 | 33.01 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 36RB#16 | 21.35 | 16.65 | 33.01 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 36RB#35 | 21.39 | 16.69 | 33.01 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 75RB#0  | 21.38 | 16.68 | 33.01 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#0   | 22.28 | 17.58 | 33.01 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#37  | 22.38 | 17.68 | 33.01 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#74  | 22.40 | 17.7  | 33.01 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 36RB#0  | 21.43 | 16.73 | 33.01 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 36RB#16 | 21.44 | 16.74 | 33.01 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 36RB#35 | 21.44 | 16.74 | 33.01 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 75RB#0  | 21.47 | 16.77 | 33.01 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 1RB#0   | 21.57 | 16.87 | 33.01 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 1RB#37  | 21.70 | 17    | 33.01 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 1RB#74  | 21.56 | 16.86 | 33.01 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 36RB#0  | 20.37 | 15.67 | 33.01 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 36RB#16 | 20.37 | 15.67 | 33.01 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 36RB#35 | 20.34 | 15.64 | 33.01 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 75RB#0  | 20.38 | 15.68 | 33.01 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#0   | 21.63 | 16.93 | 33.01 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#37  | 21.69 | 16.99 | 33.01 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#74  | 21.60 | 16.9  | 33.01 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 36RB#0  | 20.50 | 15.8  | 33.01 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 36RB#16 | 20.45 | 15.75 | 33.01 | PASS |

|       |       |       |       |         |       |       |       |      |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band7 | 15MHz | 16QAM | 21100 | 36RB#35 | 20.45 | 15.75 | 33.01 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 75RB#0  | 20.40 | 15.7  | 33.01 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#0   | 21.28 | 16.58 | 33.01 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#37  | 21.39 | 16.69 | 33.01 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#74  | 21.44 | 16.74 | 33.01 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 36RB#0  | 20.43 | 15.73 | 33.01 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 36RB#16 | 20.44 | 15.74 | 33.01 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 36RB#35 | 20.41 | 15.71 | 33.01 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 75RB#0  | 20.48 | 15.78 | 33.01 | PASS |
| Band7 | 15MHz | 64QAM | 20825 | 1RB#0   | 20.45 | 15.75 | 33.01 | PASS |
| Band7 | 15MHz | 64QAM | 20825 | 1RB#37  | 20.51 | 15.81 | 33.01 | PASS |
| Band7 | 15MHz | 64QAM | 20825 | 1RB#74  | 20.31 | 15.61 | 33.01 | PASS |
| Band7 | 15MHz | 64QAM | 20825 | 36RB#0  | 19.41 | 14.71 | 33.01 | PASS |
| Band7 | 15MHz | 64QAM | 20825 | 36RB#16 | 19.36 | 14.66 | 33.01 | PASS |
| Band7 | 15MHz | 64QAM | 20825 | 36RB#35 | 19.39 | 14.69 | 33.01 | PASS |
| Band7 | 15MHz | 64QAM | 20825 | 75RB#0  | 19.39 | 14.69 | 33.01 | PASS |
| Band7 | 15MHz | 64QAM | 21100 | 1RB#0   | 20.54 | 15.84 | 33.01 | PASS |
| Band7 | 15MHz | 64QAM | 21100 | 1RB#37  | 20.60 | 15.9  | 33.01 | PASS |
| Band7 | 15MHz | 64QAM | 21100 | 1RB#74  | 20.53 | 15.83 | 33.01 | PASS |
| Band7 | 15MHz | 64QAM | 21100 | 36RB#0  | 19.42 | 14.72 | 33.01 | PASS |
| Band7 | 15MHz | 64QAM | 21100 | 36RB#16 | 19.41 | 14.71 | 33.01 | PASS |
| Band7 | 15MHz | 64QAM | 21100 | 36RB#35 | 19.41 | 14.71 | 33.01 | PASS |
| Band7 | 15MHz | 64QAM | 21100 | 75RB#0  | 19.44 | 14.74 | 33.01 | PASS |
| Band7 | 15MHz | 64QAM | 21375 | 1RB#0   | 20.71 | 16.01 | 33.01 | PASS |
| Band7 | 15MHz | 64QAM | 21375 | 1RB#37  | 20.85 | 16.15 | 33.01 | PASS |
| Band7 | 15MHz | 64QAM | 21375 | 1RB#74  | 20.87 | 16.17 | 33.01 | PASS |
| Band7 | 15MHz | 64QAM | 21375 | 36RB#0  | 19.38 | 14.68 | 33.01 | PASS |
| Band7 | 15MHz | 64QAM | 21375 | 36RB#16 | 19.42 | 14.72 | 33.01 | PASS |
| Band7 | 15MHz | 64QAM | 21375 | 36RB#35 | 19.42 | 14.72 | 33.01 | PASS |
| Band7 | 15MHz | 64QAM | 21375 | 75RB#0  | 19.44 | 14.74 | 33.01 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 1RB#0   | 22.46 | 17.76 | 33.01 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 1RB#49  | 22.55 | 17.85 | 33.01 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 1RB#99  | 22.47 | 17.77 | 33.01 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 50RB#0  | 21.34 | 16.64 | 33.01 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 50RB#24 | 21.40 | 16.7  | 33.01 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 50RB#49 | 21.39 | 16.69 | 33.01 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 100RB#0 | 21.39 | 16.69 | 33.01 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#0   | 22.24 | 17.54 | 33.01 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#49  | 22.37 | 17.67 | 33.01 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#99  | 22.31 | 17.61 | 33.01 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 50RB#0  | 21.37 | 16.67 | 33.01 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 50RB#24 | 21.34 | 16.64 | 33.01 | PASS |



|       |       |       |       |         |       |       |       |      |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band7 | 20MHz | QPSK  | 21100 | 50RB#49 | 21.38 | 16.68 | 33.01 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 100RB#0 | 21.38 | 16.68 | 33.01 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#0   | 22.11 | 17.41 | 33.01 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#49  | 22.31 | 17.61 | 33.01 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#99  | 22.32 | 17.62 | 33.01 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 50RB#0  | 21.46 | 16.76 | 33.01 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 50RB#24 | 21.42 | 16.72 | 33.01 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 50RB#49 | 21.45 | 16.75 | 33.01 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 100RB#0 | 21.40 | 16.7  | 33.01 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#0   | 21.39 | 16.69 | 33.01 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#49  | 21.49 | 16.79 | 33.01 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#99  | 21.42 | 16.72 | 33.01 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 50RB#0  | 20.37 | 15.67 | 33.01 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 50RB#24 | 20.36 | 15.66 | 33.01 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 50RB#49 | 20.34 | 15.64 | 33.01 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | 20.38 | 15.68 | 33.01 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 1RB#0   | 21.50 | 16.8  | 33.01 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 1RB#49  | 21.69 | 16.99 | 33.01 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 1RB#99  | 21.64 | 16.94 | 33.01 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 50RB#0  | 20.37 | 15.67 | 33.01 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 50RB#24 | 20.33 | 15.63 | 33.01 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 50RB#49 | 20.37 | 15.67 | 33.01 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | 20.35 | 15.65 | 33.01 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#0   | 21.26 | 16.56 | 33.01 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#49  | 21.50 | 16.8  | 33.01 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#99  | 21.55 | 16.85 | 33.01 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 50RB#0  | 20.48 | 15.78 | 33.01 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 50RB#24 | 20.46 | 15.76 | 33.01 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 50RB#49 | 20.47 | 15.77 | 33.01 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | 20.41 | 15.71 | 33.01 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 1RB#0   | 20.67 | 15.97 | 33.01 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 1RB#49  | 20.76 | 16.06 | 33.01 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 1RB#99  | 20.68 | 15.98 | 33.01 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 50RB#0  | 19.35 | 14.65 | 33.01 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 50RB#24 | 19.34 | 14.64 | 33.01 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 50RB#49 | 19.31 | 14.61 | 33.01 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 100RB#0 | 19.33 | 14.63 | 33.01 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 1RB#0   | 20.52 | 15.82 | 33.01 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 1RB#49  | 20.67 | 15.97 | 33.01 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 1RB#99  | 20.62 | 15.92 | 33.01 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 50RB#0  | 19.38 | 14.68 | 33.01 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 50RB#24 | 19.38 | 14.68 | 33.01 | PASS |

|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band7  | 20MHz | 64QAM | 21100 | 50RB#49 | 19.38 | 14.68 | 33.01 | PASS |
| Band7  | 20MHz | 64QAM | 21100 | 100RB#0 | 19.40 | 14.7  | 33.01 | PASS |
| Band7  | 20MHz | 64QAM | 21350 | 1RB#0   | 20.18 | 15.48 | 33.01 | PASS |
| Band7  | 20MHz | 64QAM | 21350 | 1RB#49  | 20.37 | 15.67 | 33.01 | PASS |
| Band7  | 20MHz | 64QAM | 21350 | 1RB#99  | 20.44 | 15.74 | 33.01 | PASS |
| Band7  | 20MHz | 64QAM | 21350 | 50RB#0  | 19.43 | 14.73 | 33.01 | PASS |
| Band7  | 20MHz | 64QAM | 21350 | 50RB#24 | 19.44 | 14.74 | 33.01 | PASS |
| Band7  | 20MHz | 64QAM | 21350 | 50RB#49 | 19.44 | 14.74 | 33.01 | PASS |
| Band7  | 20MHz | 64QAM | 21350 | 100RB#0 | 19.39 | 14.69 | 33.01 | PASS |
| Band41 | 5MHz  | QPSK  | 39675 | 1RB#0   | 22.24 | 17.54 | 33.01 | PASS |
| Band41 | 5MHz  | QPSK  | 39675 | 1RB#12  | 22.23 | 17.53 | 33.01 | PASS |
| Band41 | 5MHz  | QPSK  | 39675 | 1RB#24  | 22.21 | 17.51 | 33.01 | PASS |
| Band41 | 5MHz  | QPSK  | 39675 | 12RB#0  | 21.24 | 16.54 | 33.01 | PASS |
| Band41 | 5MHz  | QPSK  | 39675 | 12RB#6  | 21.26 | 16.56 | 33.01 | PASS |
| Band41 | 5MHz  | QPSK  | 39675 | 12RB#11 | 21.23 | 16.53 | 33.01 | PASS |
| Band41 | 5MHz  | QPSK  | 39675 | 25RB#0  | 21.28 | 16.58 | 33.01 | PASS |
| Band41 | 5MHz  | QPSK  | 40620 | 1RB#0   | 22.56 | 17.86 | 33.01 | PASS |
| Band41 | 5MHz  | QPSK  | 40620 | 1RB#12  | 22.50 | 17.8  | 33.01 | PASS |
| Band41 | 5MHz  | QPSK  | 40620 | 1RB#24  | 22.55 | 17.85 | 33.01 | PASS |
| Band41 | 5MHz  | QPSK  | 40620 | 12RB#0  | 21.34 | 16.64 | 33.01 | PASS |
| Band41 | 5MHz  | QPSK  | 40620 | 12RB#6  | 21.35 | 16.65 | 33.01 | PASS |
| Band41 | 5MHz  | QPSK  | 40620 | 12RB#11 | 21.35 | 16.65 | 33.01 | PASS |
| Band41 | 5MHz  | QPSK  | 40620 | 25RB#0  | 21.38 | 16.68 | 33.01 | PASS |
| Band41 | 5MHz  | QPSK  | 41565 | 1RB#0   | 22.32 | 17.62 | 33.01 | PASS |
| Band41 | 5MHz  | QPSK  | 41565 | 1RB#12  | 22.24 | 17.54 | 33.01 | PASS |
| Band41 | 5MHz  | QPSK  | 41565 | 1RB#24  | 22.26 | 17.56 | 33.01 | PASS |
| Band41 | 5MHz  | QPSK  | 41565 | 12RB#0  | 21.31 | 16.61 | 33.01 | PASS |
| Band41 | 5MHz  | QPSK  | 41565 | 12RB#6  | 21.33 | 16.63 | 33.01 | PASS |
| Band41 | 5MHz  | QPSK  | 41565 | 12RB#11 | 21.33 | 16.63 | 33.01 | PASS |
| Band41 | 5MHz  | QPSK  | 41565 | 25RB#0  | 21.34 | 16.64 | 33.01 | PASS |
| Band41 | 5MHz  | 16QAM | 39675 | 1RB#0   | 21.53 | 16.83 | 33.01 | PASS |
| Band41 | 5MHz  | 16QAM | 39675 | 1RB#12  | 21.54 | 16.84 | 33.01 | PASS |
| Band41 | 5MHz  | 16QAM | 39675 | 1RB#24  | 21.56 | 16.86 | 33.01 | PASS |
| Band41 | 5MHz  | 16QAM | 39675 | 12RB#0  | 20.30 | 15.6  | 33.01 | PASS |
| Band41 | 5MHz  | 16QAM | 39675 | 12RB#6  | 20.30 | 15.6  | 33.01 | PASS |
| Band41 | 5MHz  | 16QAM | 39675 | 12RB#11 | 20.29 | 15.59 | 33.01 | PASS |
| Band41 | 5MHz  | 16QAM | 39675 | 25RB#0  | 20.30 | 15.6  | 33.01 | PASS |
| Band41 | 5MHz  | 16QAM | 40620 | 1RB#0   | 21.75 | 17.05 | 33.01 | PASS |
| Band41 | 5MHz  | 16QAM | 40620 | 1RB#12  | 21.70 | 17    | 33.01 | PASS |
| Band41 | 5MHz  | 16QAM | 40620 | 1RB#24  | 21.72 | 17.02 | 33.01 | PASS |
| Band41 | 5MHz  | 16QAM | 40620 | 12RB#0  | 20.35 | 15.65 | 33.01 | PASS |
| Band41 | 5MHz  | 16QAM | 40620 | 12RB#6  | 20.33 | 15.63 | 33.01 | PASS |

|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band41 | 5MHz  | 16QAM | 40620 | 12RB#11 | 20.34 | 15.64 | 33.01 | PASS |
| Band41 | 5MHz  | 16QAM | 40620 | 25RB#0  | 20.35 | 15.65 | 33.01 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 1RB#0   | 21.61 | 16.91 | 33.01 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 1RB#12  | 21.57 | 16.87 | 33.01 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 1RB#24  | 21.55 | 16.85 | 33.01 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 12RB#0  | 20.35 | 15.65 | 33.01 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 12RB#6  | 20.35 | 15.65 | 33.01 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 12RB#11 | 20.36 | 15.66 | 33.01 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 25RB#0  | 20.34 | 15.64 | 33.01 | PASS |
| Band41 | 5MHz  | 64QAM | 39675 | 1RB#0   | 20.82 | 16.12 | 33.01 | PASS |
| Band41 | 5MHz  | 64QAM | 39675 | 1RB#12  | 20.84 | 16.14 | 33.01 | PASS |
| Band41 | 5MHz  | 64QAM | 39675 | 1RB#24  | 20.85 | 16.15 | 33.01 | PASS |
| Band41 | 5MHz  | 64QAM | 39675 | 12RB#0  | 19.26 | 14.56 | 33.01 | PASS |
| Band41 | 5MHz  | 64QAM | 39675 | 12RB#6  | 19.32 | 14.62 | 33.01 | PASS |
| Band41 | 5MHz  | 64QAM | 39675 | 12RB#11 | 19.29 | 14.59 | 33.01 | PASS |
| Band41 | 5MHz  | 64QAM | 39675 | 25RB#0  | 19.19 | 14.49 | 33.01 | PASS |
| Band41 | 5MHz  | 64QAM | 40620 | 1RB#0   | 20.76 | 16.06 | 33.01 | PASS |
| Band41 | 5MHz  | 64QAM | 40620 | 1RB#12  | 20.78 | 16.08 | 33.01 | PASS |
| Band41 | 5MHz  | 64QAM | 40620 | 1RB#24  | 20.79 | 16.09 | 33.01 | PASS |
| Band41 | 5MHz  | 64QAM | 40620 | 12RB#0  | 19.33 | 14.63 | 33.01 | PASS |
| Band41 | 5MHz  | 64QAM | 40620 | 12RB#6  | 19.32 | 14.62 | 33.01 | PASS |
| Band41 | 5MHz  | 64QAM | 40620 | 12RB#11 | 19.32 | 14.62 | 33.01 | PASS |
| Band41 | 5MHz  | 64QAM | 40620 | 25RB#0  | 19.35 | 14.65 | 33.01 | PASS |
| Band41 | 5MHz  | 64QAM | 41565 | 1RB#0   | 20.87 | 16.17 | 33.01 | PASS |
| Band41 | 5MHz  | 64QAM | 41565 | 1RB#12  | 20.84 | 16.14 | 33.01 | PASS |
| Band41 | 5MHz  | 64QAM | 41565 | 1RB#24  | 20.84 | 16.14 | 33.01 | PASS |
| Band41 | 5MHz  | 64QAM | 41565 | 12RB#0  | 19.38 | 14.68 | 33.01 | PASS |
| Band41 | 5MHz  | 64QAM | 41565 | 12RB#6  | 19.39 | 14.69 | 33.01 | PASS |
| Band41 | 5MHz  | 64QAM | 41565 | 12RB#11 | 19.40 | 14.7  | 33.01 | PASS |
| Band41 | 5MHz  | 64QAM | 41565 | 25RB#0  | 19.26 | 14.56 | 33.01 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 1RB#0   | 22.58 | 17.88 | 33.01 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 1RB#24  | 22.67 | 17.97 | 33.01 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 1RB#49  | 22.58 | 17.88 | 33.01 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 25RB#0  | 21.61 | 16.91 | 33.01 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 25RB#12 | 21.62 | 16.92 | 33.01 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 25RB#24 | 21.62 | 16.92 | 33.01 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 50RB#0  | 21.63 | 16.93 | 33.01 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 1RB#0   | 22.58 | 17.88 | 33.01 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 1RB#24  | 22.70 | 18    | 33.01 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 1RB#49  | 22.60 | 17.9  | 33.01 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 25RB#0  | 21.60 | 16.9  | 33.01 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 25RB#12 | 21.60 | 16.9  | 33.01 | PASS |

|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band41 | 10MHz | QPSK  | 40620 | 25RB#24 | 21.62 | 16.92 | 33.01 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 50RB#0  | 21.64 | 16.94 | 33.01 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 1RB#0   | 22.56 | 17.86 | 33.01 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 1RB#24  | 22.56 | 17.86 | 33.01 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 1RB#49  | 22.50 | 17.8  | 33.01 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 25RB#0  | 21.53 | 16.83 | 33.01 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 25RB#12 | 21.53 | 16.83 | 33.01 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 25RB#24 | 21.54 | 16.84 | 33.01 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 50RB#0  | 21.60 | 16.9  | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#0   | 21.95 | 17.25 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#24  | 22.00 | 17.3  | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#49  | 21.96 | 17.26 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 25RB#0  | 20.68 | 15.98 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 25RB#12 | 20.68 | 15.98 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 25RB#24 | 20.63 | 15.93 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 50RB#0  | 20.59 | 15.89 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#0   | 21.97 | 17.27 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#24  | 22.04 | 17.34 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#49  | 21.95 | 17.25 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 25RB#0  | 20.68 | 15.98 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 25RB#12 | 20.65 | 15.95 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 25RB#24 | 20.65 | 15.95 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0  | 20.57 | 15.87 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#0   | 21.48 | 16.78 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#24  | 21.51 | 16.81 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#49  | 21.45 | 16.75 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 25RB#0  | 20.53 | 15.83 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 25RB#12 | 20.54 | 15.84 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 25RB#24 | 20.55 | 15.85 | 33.01 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 50RB#0  | 20.56 | 15.86 | 33.01 | PASS |
| Band41 | 10MHz | 64QAM | 39700 | 1RB#0   | 20.99 | 16.29 | 33.01 | PASS |
| Band41 | 10MHz | 64QAM | 39700 | 1RB#24  | 21.05 | 16.35 | 33.01 | PASS |
| Band41 | 10MHz | 64QAM | 39700 | 1RB#49  | 20.95 | 16.25 | 33.01 | PASS |
| Band41 | 10MHz | 64QAM | 39700 | 25RB#0  | 19.54 | 14.84 | 33.01 | PASS |
| Band41 | 10MHz | 64QAM | 39700 | 25RB#12 | 19.56 | 14.86 | 33.01 | PASS |
| Band41 | 10MHz | 64QAM | 39700 | 25RB#24 | 19.55 | 14.85 | 33.01 | PASS |
| Band41 | 10MHz | 64QAM | 39700 | 50RB#0  | 19.60 | 14.9  | 33.01 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 1RB#0   | 20.96 | 16.26 | 33.01 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 1RB#24  | 21.09 | 16.39 | 33.01 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 1RB#49  | 20.97 | 16.27 | 33.01 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 25RB#0  | 19.57 | 14.87 | 33.01 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 25RB#12 | 19.56 | 14.86 | 33.01 | PASS |

|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band41 | 10MHz | 64QAM | 40620 | 25RB#24 | 19.56 | 14.86 | 33.01 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 50RB#0  | 19.62 | 14.92 | 33.01 | PASS |
| Band41 | 10MHz | 64QAM | 41540 | 1RB#0   | 20.51 | 15.81 | 33.01 | PASS |
| Band41 | 10MHz | 64QAM | 41540 | 1RB#24  | 20.57 | 15.87 | 33.01 | PASS |
| Band41 | 10MHz | 64QAM | 41540 | 1RB#49  | 20.49 | 15.79 | 33.01 | PASS |
| Band41 | 10MHz | 64QAM | 41540 | 25RB#0  | 19.42 | 14.72 | 33.01 | PASS |
| Band41 | 10MHz | 64QAM | 41540 | 25RB#12 | 19.39 | 14.69 | 33.01 | PASS |
| Band41 | 10MHz | 64QAM | 41540 | 25RB#24 | 19.40 | 14.7  | 33.01 | PASS |
| Band41 | 10MHz | 64QAM | 41540 | 50RB#0  | 19.51 | 14.81 | 33.01 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 1RB#0   | 22.46 | 17.76 | 33.01 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 1RB#37  | 22.52 | 17.82 | 33.01 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 1RB#74  | 22.45 | 17.75 | 33.01 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 36RB#0  | 21.48 | 16.78 | 33.01 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 36RB#16 | 21.49 | 16.79 | 33.01 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 36RB#35 | 21.45 | 16.75 | 33.01 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 75RB#0  | 21.49 | 16.79 | 33.01 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 1RB#0   | 22.50 | 17.8  | 33.01 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 1RB#37  | 22.59 | 17.89 | 33.01 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 1RB#74  | 22.49 | 17.79 | 33.01 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 36RB#0  | 21.54 | 16.84 | 33.01 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 36RB#16 | 21.53 | 16.83 | 33.01 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 36RB#35 | 21.52 | 16.82 | 33.01 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 75RB#0  | 21.59 | 16.89 | 33.01 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 1RB#0   | 22.58 | 17.88 | 33.01 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 1RB#37  | 22.64 | 17.94 | 33.01 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 1RB#74  | 22.52 | 17.82 | 33.01 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 36RB#0  | 21.55 | 16.85 | 33.01 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 36RB#16 | 21.53 | 16.83 | 33.01 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 36RB#35 | 21.54 | 16.84 | 33.01 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 75RB#0  | 21.51 | 16.81 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#0   | 21.89 | 17.19 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#37  | 21.93 | 17.23 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#74  | 21.88 | 17.18 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 36RB#0  | 20.47 | 15.77 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 36RB#16 | 20.48 | 15.78 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 36RB#35 | 20.51 | 15.81 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 75RB#0  | 20.52 | 15.82 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#0   | 21.90 | 17.2  | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#37  | 22.00 | 17.3  | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#74  | 21.86 | 17.16 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 36RB#0  | 20.53 | 15.83 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 36RB#16 | 20.54 | 15.84 | 33.01 | PASS |

|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band41 | 15MHz | 16QAM | 40620 | 36RB#35 | 20.54 | 15.84 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0  | 20.55 | 15.85 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#0   | 21.57 | 16.87 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#37  | 21.61 | 16.91 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#74  | 21.49 | 16.79 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 36RB#0  | 20.53 | 15.83 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 36RB#16 | 20.52 | 15.82 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 36RB#35 | 20.53 | 15.83 | 33.01 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 75RB#0  | 20.55 | 15.85 | 33.01 | PASS |
| Band41 | 15MHz | 64QAM | 39725 | 1RB#0   | 20.87 | 16.17 | 33.01 | PASS |
| Band41 | 15MHz | 64QAM | 39725 | 1RB#37  | 20.92 | 16.22 | 33.01 | PASS |
| Band41 | 15MHz | 64QAM | 39725 | 1RB#74  | 20.85 | 16.15 | 33.01 | PASS |
| Band41 | 15MHz | 64QAM | 39725 | 36RB#0  | 19.52 | 14.82 | 33.01 | PASS |
| Band41 | 15MHz | 64QAM | 39725 | 36RB#16 | 19.46 | 14.76 | 33.01 | PASS |
| Band41 | 15MHz | 64QAM | 39725 | 36RB#35 | 19.46 | 14.76 | 33.01 | PASS |
| Band41 | 15MHz | 64QAM | 39725 | 75RB#0  | 19.50 | 14.8  | 33.01 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 1RB#0   | 20.88 | 16.18 | 33.01 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 1RB#37  | 20.99 | 16.29 | 33.01 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 1RB#74  | 20.90 | 16.2  | 33.01 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 36RB#0  | 19.53 | 14.83 | 33.01 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 36RB#16 | 19.54 | 14.84 | 33.01 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 36RB#35 | 19.50 | 14.8  | 33.01 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 75RB#0  | 19.53 | 14.83 | 33.01 | PASS |
| Band41 | 15MHz | 64QAM | 41515 | 1RB#0   | 20.81 | 16.11 | 33.01 | PASS |
| Band41 | 15MHz | 64QAM | 41515 | 1RB#37  | 20.88 | 16.18 | 33.01 | PASS |
| Band41 | 15MHz | 64QAM | 41515 | 1RB#74  | 20.75 | 16.05 | 33.01 | PASS |
| Band41 | 15MHz | 64QAM | 41515 | 36RB#0  | 19.54 | 14.84 | 33.01 | PASS |
| Band41 | 15MHz | 64QAM | 41515 | 36RB#16 | 19.54 | 14.84 | 33.01 | PASS |
| Band41 | 15MHz | 64QAM | 41515 | 36RB#35 | 19.55 | 14.85 | 33.01 | PASS |
| Band41 | 15MHz | 64QAM | 41515 | 75RB#0  | 19.52 | 14.82 | 33.01 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 1RB#0   | 22.43 | 17.73 | 33.01 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 1RB#49  | 22.54 | 17.84 | 33.01 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 1RB#99  | 22.49 | 17.79 | 33.01 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 50RB#0  | 21.48 | 16.78 | 33.01 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 50RB#24 | 21.47 | 16.77 | 33.01 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 50RB#49 | 21.49 | 16.79 | 33.01 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 100RB#0 | 21.56 | 16.86 | 33.01 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 1RB#0   | 22.45 | 17.75 | 33.01 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 1RB#49  | 22.63 | 17.93 | 33.01 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 1RB#99  | 22.46 | 17.76 | 33.01 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 50RB#0  | 21.55 | 16.85 | 33.01 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 50RB#24 | 21.56 | 16.86 | 33.01 | PASS |

|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band41 | 20MHz | QPSK  | 40620 | 50RB#49 | 21.57 | 16.87 | 33.01 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 100RB#0 | 21.59 | 16.89 | 33.01 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 1RB#0   | 22.50 | 17.8  | 33.01 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 1RB#49  | 22.58 | 17.88 | 33.01 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 1RB#99  | 22.46 | 17.76 | 33.01 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 50RB#0  | 21.59 | 16.89 | 33.01 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 50RB#24 | 21.59 | 16.89 | 33.01 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 50RB#49 | 21.59 | 16.89 | 33.01 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 100RB#0 | 21.57 | 16.87 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#0   | 21.62 | 16.92 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#49  | 21.73 | 17.03 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#99  | 21.65 | 16.95 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 50RB#0  | 20.45 | 15.75 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 50RB#24 | 20.45 | 15.75 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 50RB#49 | 20.44 | 15.74 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | 20.49 | 15.79 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#0   | 21.66 | 16.96 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#49  | 21.79 | 17.09 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#99  | 21.69 | 16.99 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 50RB#0  | 20.54 | 15.84 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 50RB#24 | 20.55 | 15.85 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 50RB#49 | 20.55 | 15.85 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | 20.54 | 15.84 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#0   | 21.17 | 16.47 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#49  | 21.21 | 16.51 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#99  | 21.11 | 16.41 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 50RB#0  | 20.60 | 15.9  | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 50RB#24 | 20.61 | 15.91 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 50RB#49 | 20.62 | 15.92 | 33.01 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | 20.56 | 15.86 | 33.01 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 1RB#0   | 20.64 | 15.94 | 33.01 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 1RB#49  | 20.71 | 16.01 | 33.01 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 1RB#99  | 20.63 | 15.93 | 33.01 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 50RB#0  | 19.44 | 14.74 | 33.01 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 50RB#24 | 19.40 | 14.7  | 33.01 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 50RB#49 | 19.46 | 14.76 | 33.01 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 100RB#0 | 19.48 | 14.78 | 33.01 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 1RB#0   | 20.68 | 15.98 | 33.01 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 1RB#49  | 20.78 | 16.08 | 33.01 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 1RB#99  | 20.67 | 15.97 | 33.01 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 50RB#0  | 19.50 | 14.8  | 33.01 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 50RB#24 | 19.47 | 14.77 | 33.01 | PASS |

|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band41 | 20MHz | 64QAM | 40620 | 50RB#49 | 19.47 | 14.77 | 33.01 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | 19.51 | 14.81 | 33.01 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 1RB#0   | 20.56 | 15.86 | 33.01 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 1RB#49  | 20.68 | 15.98 | 33.01 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 1RB#99  | 20.51 | 15.81 | 33.01 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 50RB#0  | 19.63 | 14.93 | 33.01 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 50RB#24 | 19.62 | 14.92 | 33.01 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 50RB#49 | 19.62 | 14.92 | 33.01 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 100RB#0 | 19.58 | 14.88 | 33.01 | PASS |

Remark:  $EIRP (dBm) = \text{Conducted power (dBm)} + \text{Antenna Gain (dBi)}$ . (For Band 7 & 41 & 66)  
 $ERP (dBm) = EIRP (dBm) - 2.15 (dB)$ .



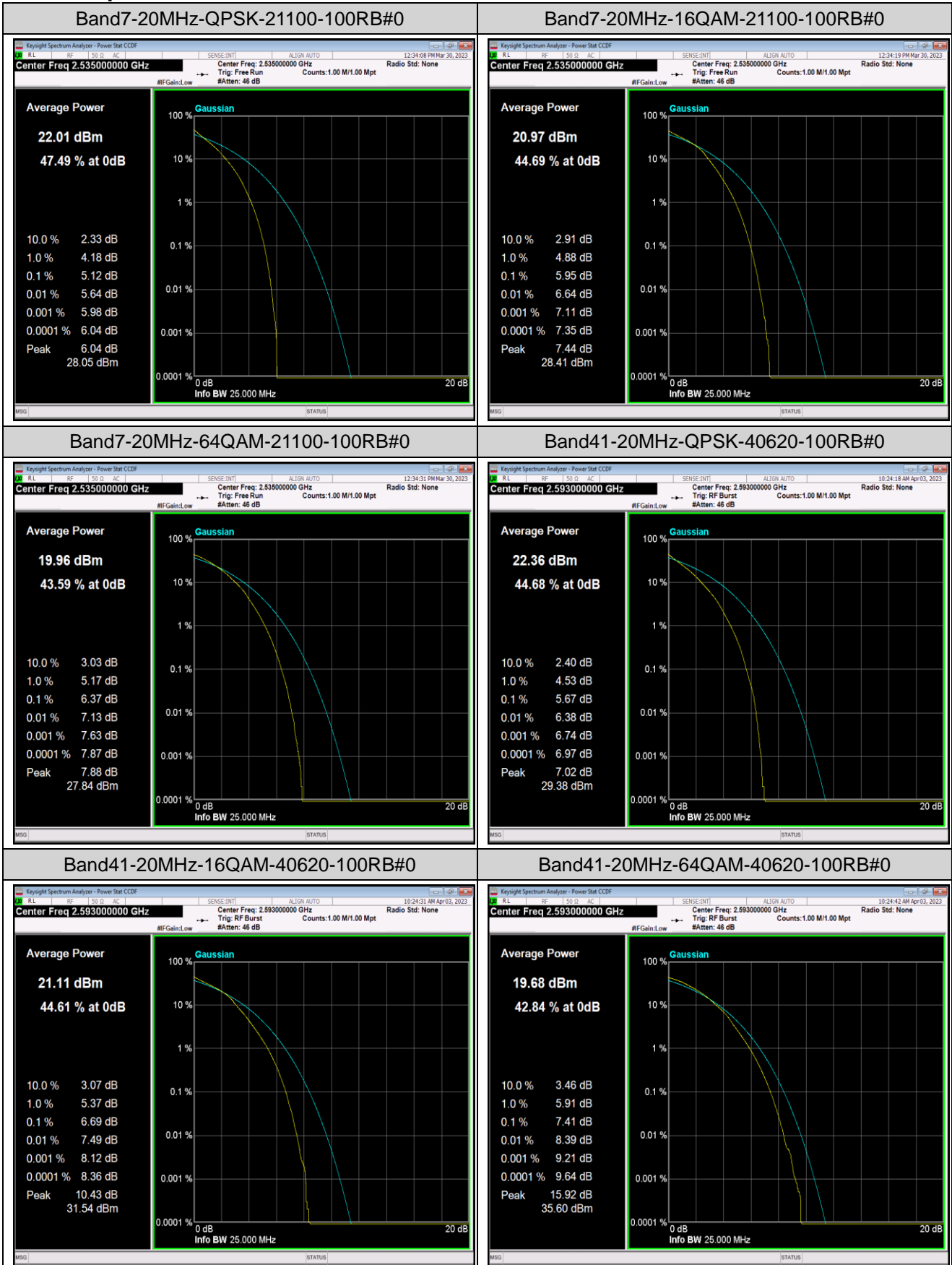
## Appendix B: Peak-to-Average Ratio(CCDF)

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band7  | 20MHz     | QPSK       | 21100   | 100RB#0          | 5.12       | 13        | PASS    |
| Band7  | 20MHz     | 16QAM      | 21100   | 100RB#0          | 5.95       | 13        | PASS    |
| Band7  | 20MHz     | 64QAM      | 21100   | 100RB#0          | 6.37       | 13        | PASS    |
| Band41 | 20MHz     | QPSK       | 40620   | 100RB#0          | 5.67       | 13        | PASS    |
| Band41 | 20MHz     | 16QAM      | 40620   | 100RB#0          | 6.69       | 13        | PASS    |
| Band41 | 20MHz     | 64QAM      | 40620   | 100RB#0          | 7.41       | 13        | PASS    |

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

Test Graphs



## Appendix C: 26dB Bandwidth and Occupied Bandwidth

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | 4.5104                   | 4.977                | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | 4.4923                   | 4.959                | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | 4.5056                   | 4.999                | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | 4.4930                   | 4.962                | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | 4.5103                   | 5.031                | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 25RB#0           | 4.5193                   | 4.976                | PASS    |
| Band7 | 5MHz      | 64QAM      | 20775   | 25RB#0           | 4.4978                   | 4.960                | PASS    |
| Band7 | 5MHz      | 64QAM      | 21100   | 25RB#0           | 4.5009                   | 5.187                | PASS    |
| Band7 | 5MHz      | 64QAM      | 21425   | 25RB#0           | 4.5061                   | 4.956                | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 50RB#0           | 8.9848                   | 9.899                | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 50RB#0           | 8.9912                   | 9.759                | PASS    |
| Band7 | 10MHz     | QPSK       | 21400   | 50RB#0           | 8.9815                   | 9.797                | PASS    |
| Band7 | 10MHz     | 16QAM      | 20800   | 50RB#0           | 8.9793                   | 9.761                | PASS    |
| Band7 | 10MHz     | 16QAM      | 21100   | 50RB#0           | 8.9787                   | 9.821                | PASS    |
| Band7 | 10MHz     | 16QAM      | 21400   | 50RB#0           | 8.9900                   | 9.778                | PASS    |
| Band7 | 10MHz     | 64QAM      | 20800   | 50RB#0           | 8.9781                   | 9.822                | PASS    |
| Band7 | 10MHz     | 64QAM      | 21100   | 50RB#0           | 8.9874                   | 9.800                | PASS    |
| Band7 | 10MHz     | 64QAM      | 21400   | 50RB#0           | 8.9606                   | 9.784                | PASS    |
| Band7 | 15MHz     | QPSK       | 20825   | 75RB#0           | 13.480                   | 14.71                | PASS    |
| Band7 | 15MHz     | QPSK       | 21100   | 75RB#0           | 13.464                   | 14.72                | PASS    |
| Band7 | 15MHz     | QPSK       | 21375   | 75RB#0           | 13.442                   | 14.81                | PASS    |
| Band7 | 15MHz     | 16QAM      | 20825   | 75RB#0           | 13.470                   | 14.66                | PASS    |
| Band7 | 15MHz     | 16QAM      | 21100   | 75RB#0           | 13.470                   | 14.66                | PASS    |
| Band7 | 15MHz     | 16QAM      | 21375   | 75RB#0           | 13.465                   | 15.03                | PASS    |
| Band7 | 15MHz     | 64QAM      | 20825   | 75RB#0           | 13.449                   | 14.67                | PASS    |
| Band7 | 15MHz     | 64QAM      | 21100   | 75RB#0           | 13.471                   | 14.68                | PASS    |
| Band7 | 15MHz     | 64QAM      | 21375   | 75RB#0           | 13.479                   | 15.07                | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 100RB#0          | 17.962                   | 19.40                | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 100RB#0          | 17.947                   | 19.56                | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 100RB#0          | 17.964                   | 19.50                | PASS    |
| Band7 | 20MHz     | 16QAM      | 20850   | 100RB#0          | 17.975                   | 19.41                | PASS    |
| Band7 | 20MHz     | 16QAM      | 21100   | 100RB#0          | 17.945                   | 19.45                | PASS    |
| Band7 | 20MHz     | 16QAM      | 21350   | 100RB#0          | 17.973                   | 19.48                | PASS    |
| Band7 | 20MHz     | 64QAM      | 20850   | 100RB#0          | 17.942                   | 19.44                | PASS    |
| Band7 | 20MHz     | 64QAM      | 21100   | 100RB#0          | 17.945                   | 19.75                | PASS    |

|        |       |       |       |         |        |       |      |
|--------|-------|-------|-------|---------|--------|-------|------|
| Band7  | 20MHz | 64QAM | 21350 | 100RB#0 | 17.968 | 20.49 | PASS |
| Band41 | 5MHz  | QPSK  | 39675 | 25RB#0  | 4.4970 | 4.992 | PASS |
| Band41 | 5MHz  | QPSK  | 40620 | 25RB#0  | 4.4954 | 5.036 | PASS |
| Band41 | 5MHz  | QPSK  | 41565 | 25RB#0  | 4.4963 | 5.035 | PASS |
| Band41 | 5MHz  | 16QAM | 39675 | 25RB#0  | 4.5005 | 4.994 | PASS |
| Band41 | 5MHz  | 16QAM | 40620 | 25RB#0  | 4.4989 | 4.989 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 25RB#0  | 4.5020 | 5.017 | PASS |
| Band41 | 5MHz  | 64QAM | 39675 | 25RB#0  | 4.5085 | 5.006 | PASS |
| Band41 | 5MHz  | 64QAM | 40620 | 25RB#0  | 4.5145 | 5.009 | PASS |
| Band41 | 5MHz  | 64QAM | 41565 | 25RB#0  | 4.5134 | 5.040 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 50RB#0  | 8.9862 | 9.820 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 50RB#0  | 8.9904 | 9.800 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 50RB#0  | 8.9900 | 9.906 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 50RB#0  | 8.9795 | 9.761 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0  | 8.9779 | 9.813 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 50RB#0  | 8.9842 | 9.830 | PASS |
| Band41 | 10MHz | 64QAM | 39700 | 50RB#0  | 8.9716 | 9.742 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 50RB#0  | 8.9818 | 9.768 | PASS |
| Band41 | 10MHz | 64QAM | 41540 | 50RB#0  | 8.9829 | 9.762 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 75RB#0  | 13.491 | 14.61 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 75RB#0  | 13.502 | 14.67 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 75RB#0  | 13.494 | 14.86 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 75RB#0  | 13.495 | 14.94 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0  | 13.506 | 14.74 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 75RB#0  | 13.500 | 14.99 | PASS |
| Band41 | 15MHz | 64QAM | 39725 | 75RB#0  | 13.458 | 14.48 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 75RB#0  | 13.447 | 14.59 | PASS |
| Band41 | 15MHz | 64QAM | 41515 | 75RB#0  | 13.449 | 14.58 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 100RB#0 | 17.935 | 19.32 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 100RB#0 | 17.972 | 19.30 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 100RB#0 | 17.952 | 19.28 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | 17.940 | 19.44 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | 17.955 | 19.36 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | 17.955 | 19.37 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 100RB#0 | 17.895 | 19.58 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | 17.946 | 19.87 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 100RB#0 | 17.932 | 19.43 | PASS |