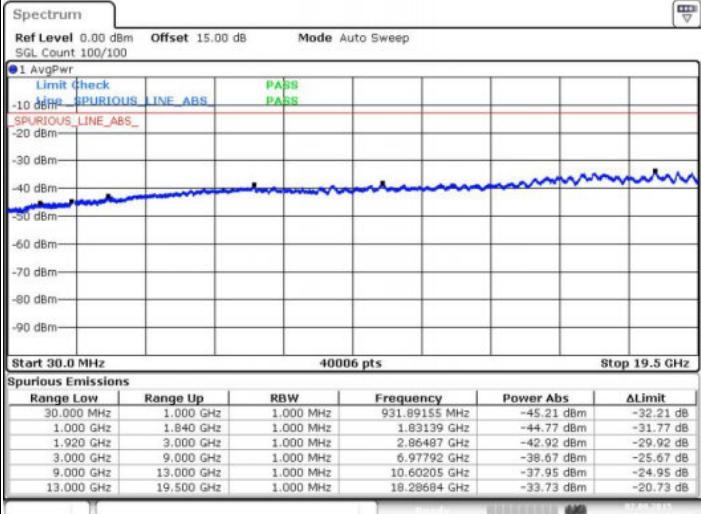
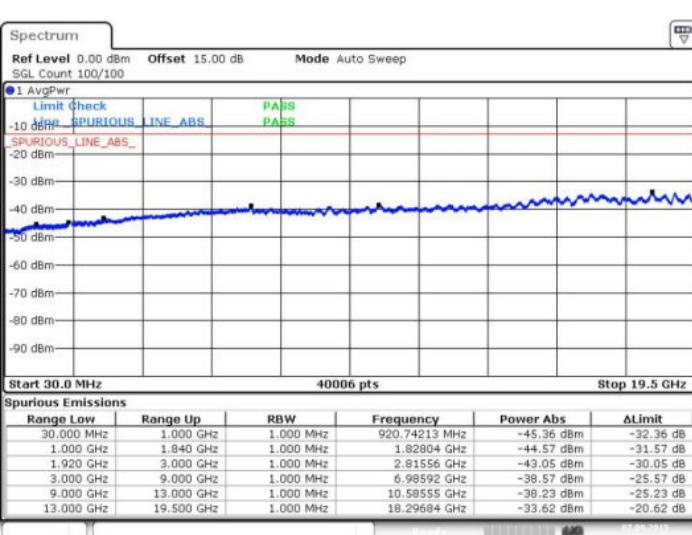




LTE Band 2 / 5MHz

Highest Channel / QPSK

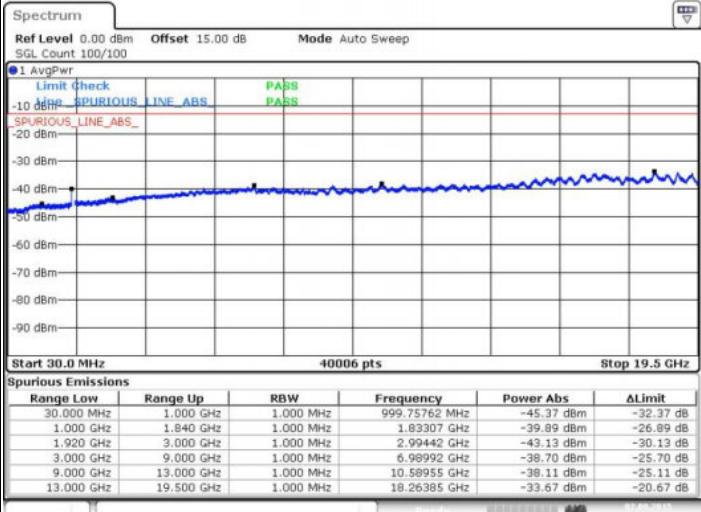
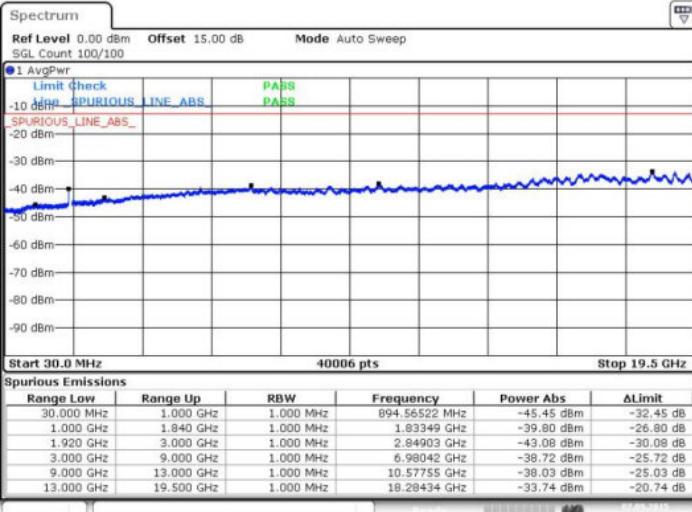
Highest Channel / 16QAM

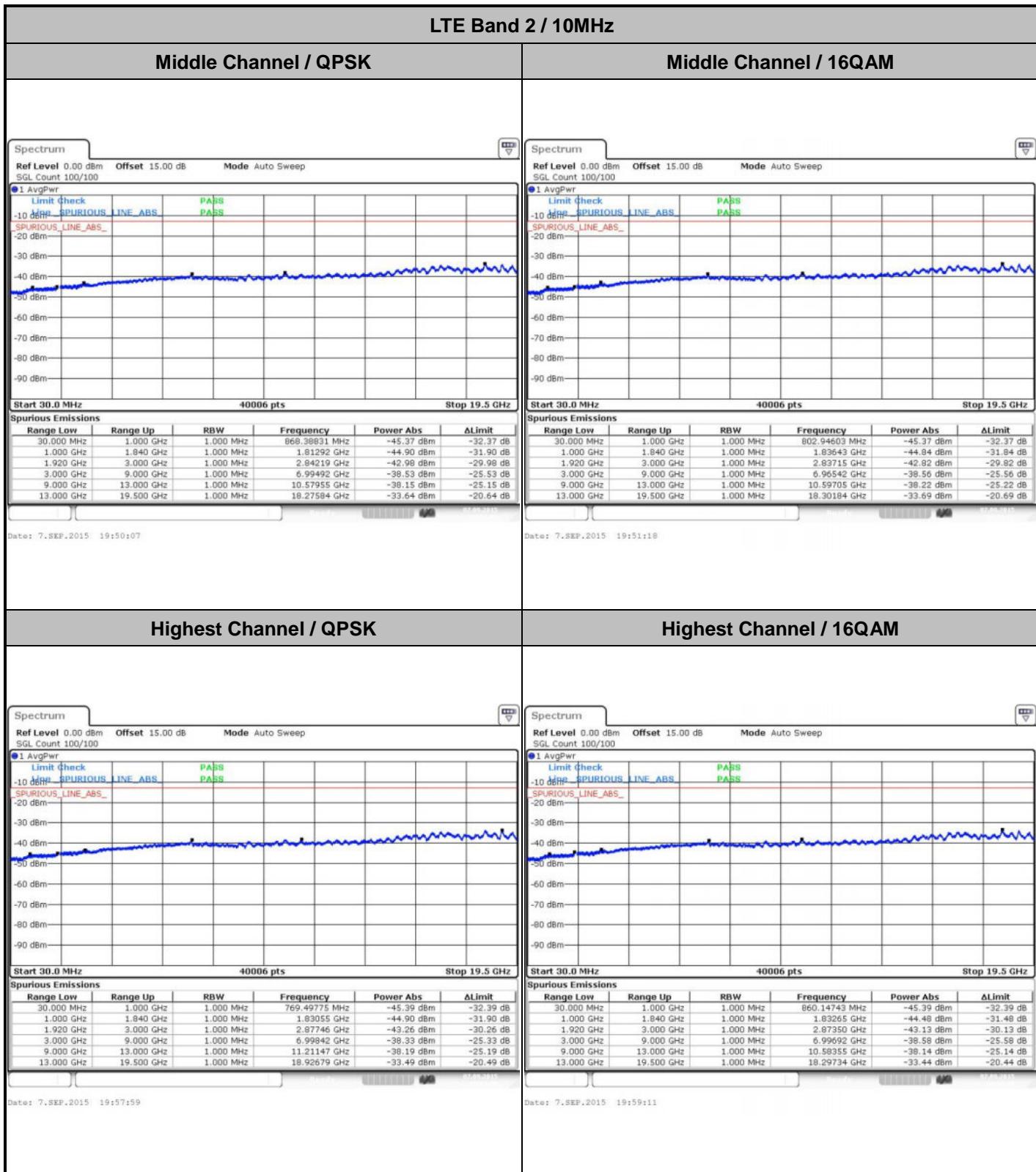


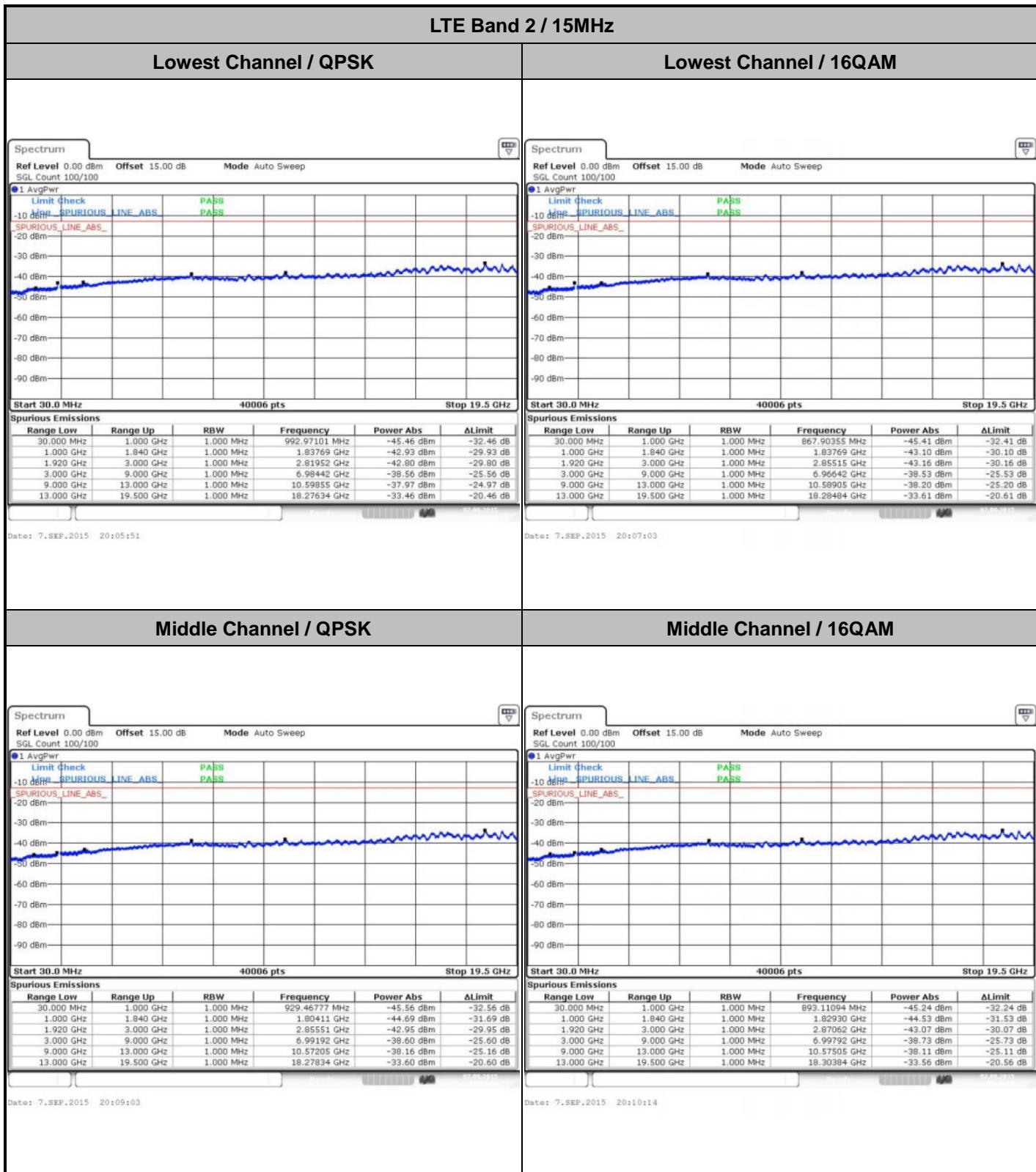
LTE Band 2 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM





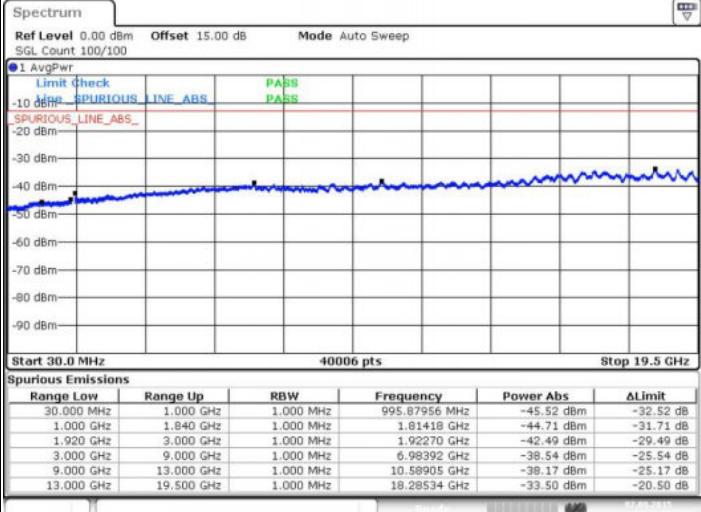
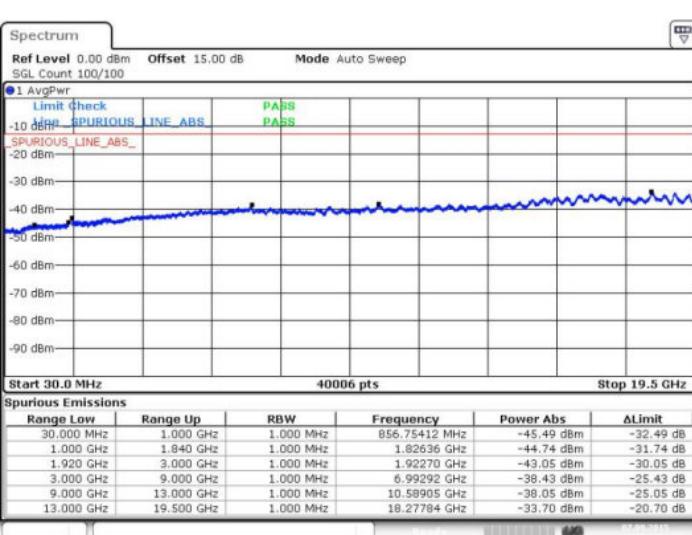




LTE Band 2 / 15MHz

Highest Channel / QPSK

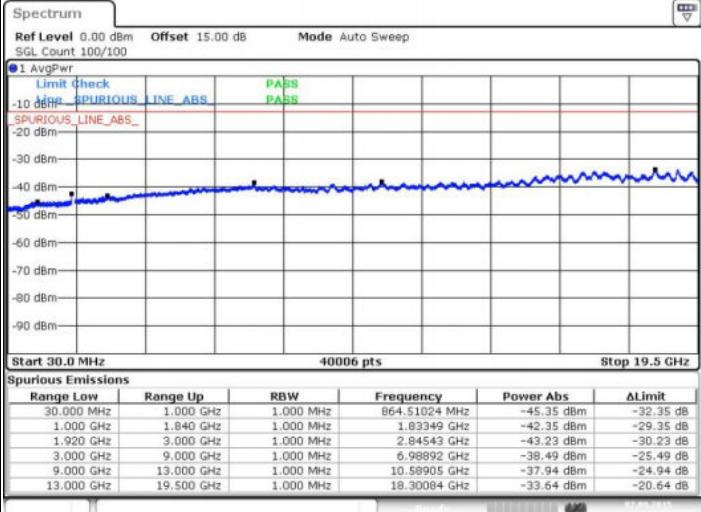
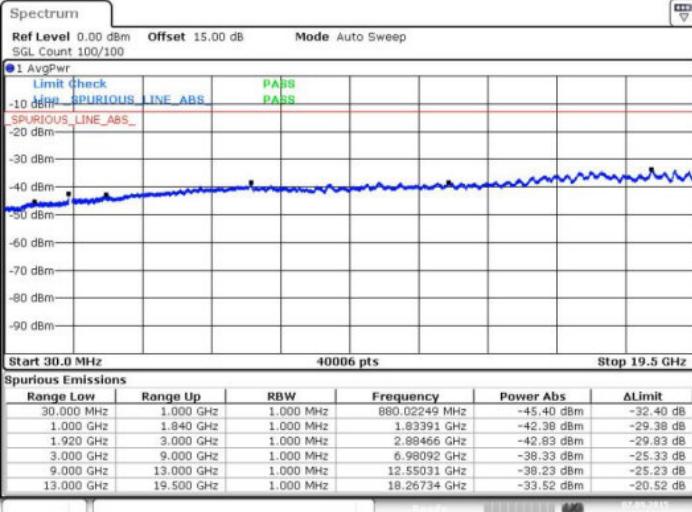
Highest Channel / 16QAM

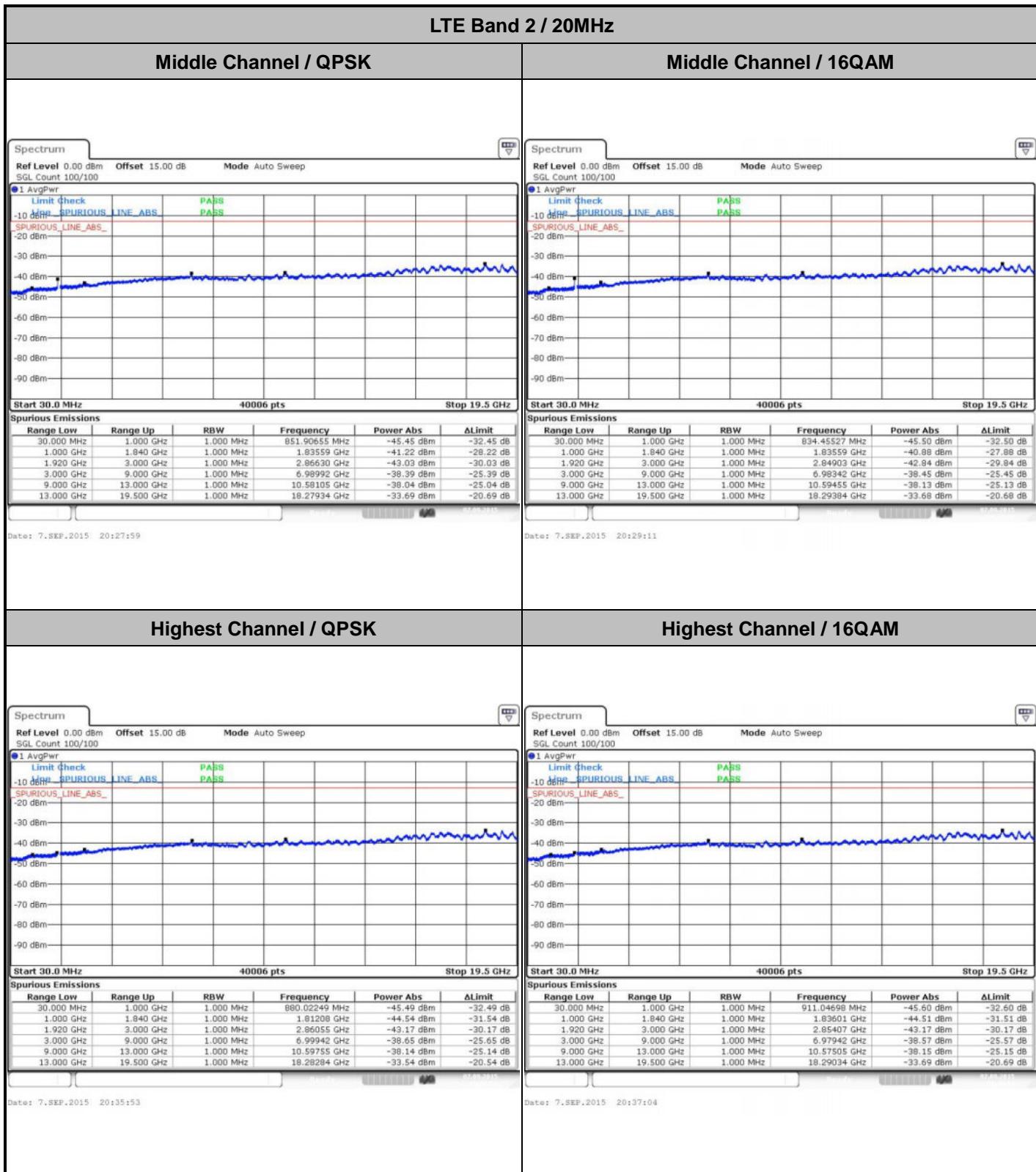


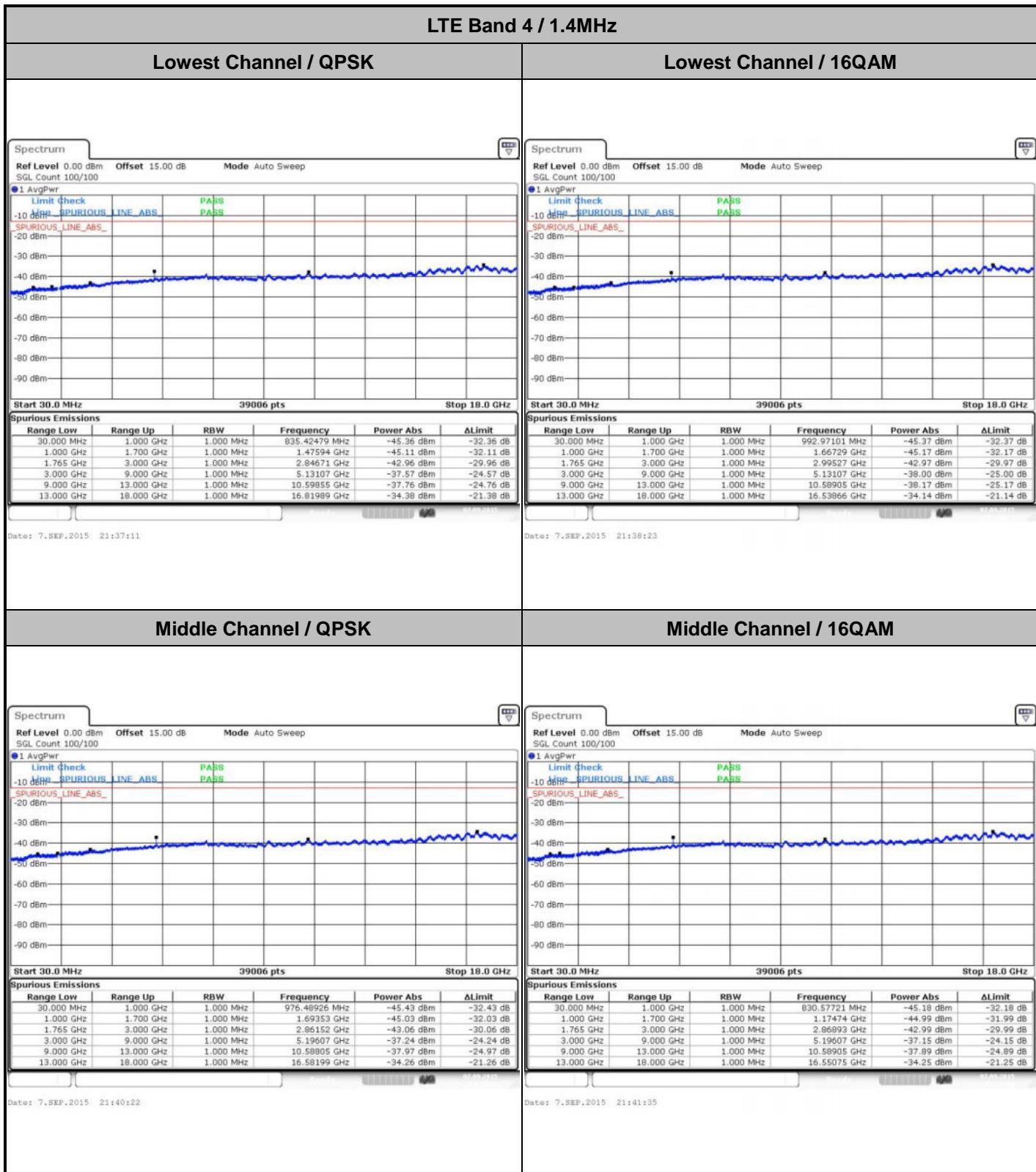
LTE Band 2 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM





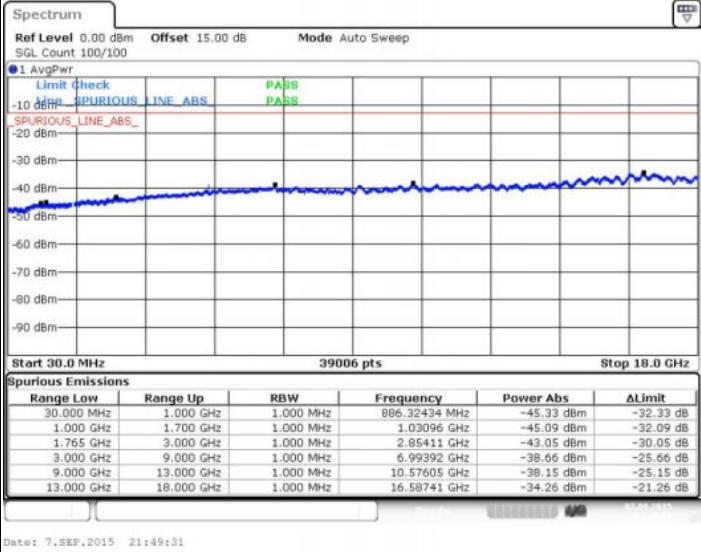
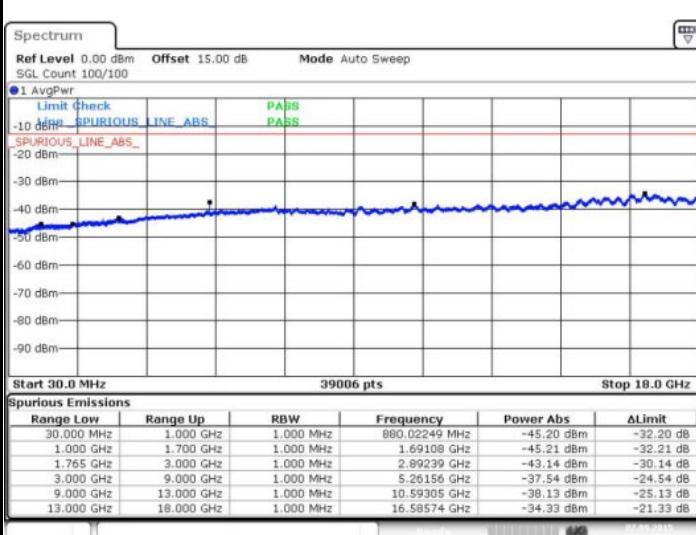




LTE Band 4 / 1.4MHz

Highest Channel / QPSK

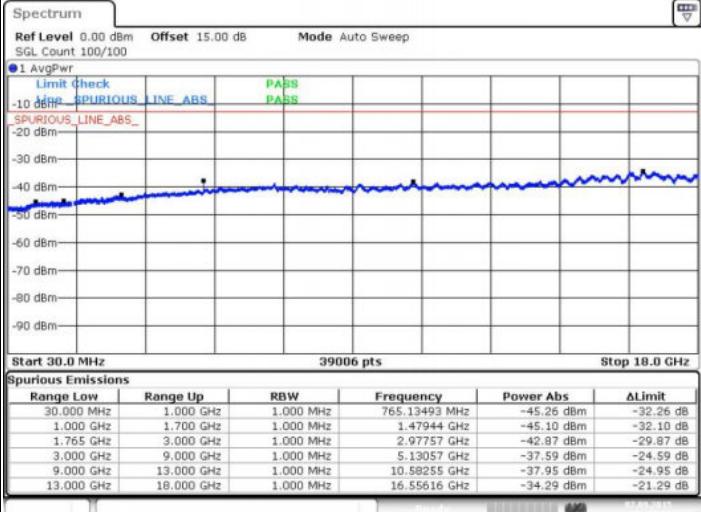
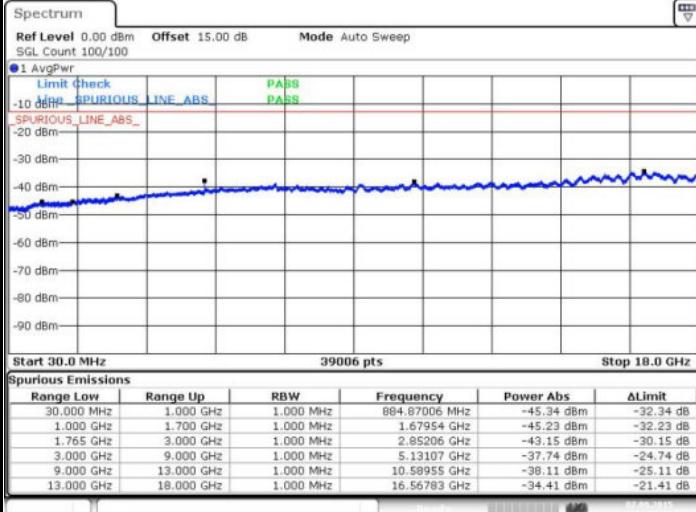
Highest Channel / 16QAM

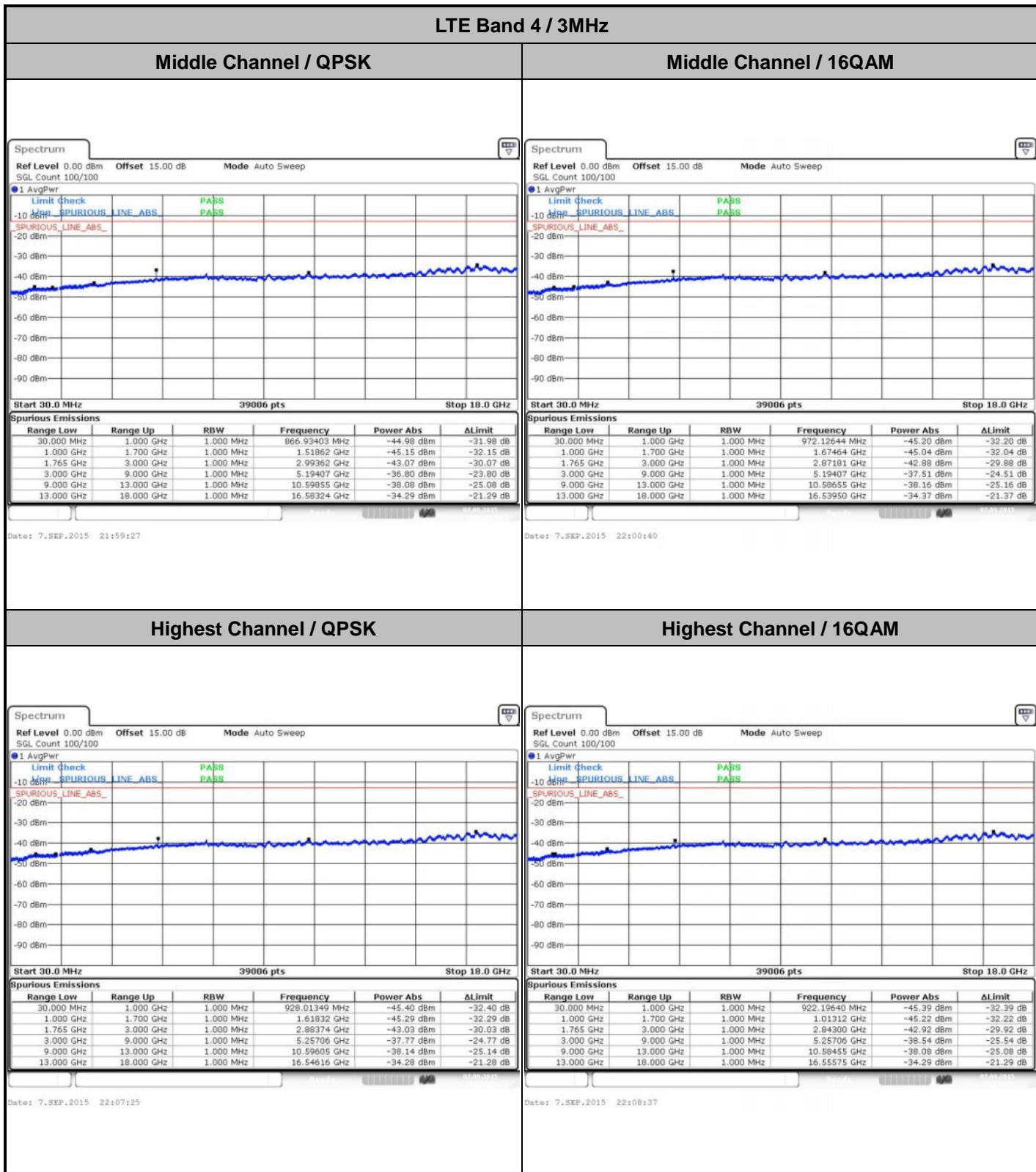


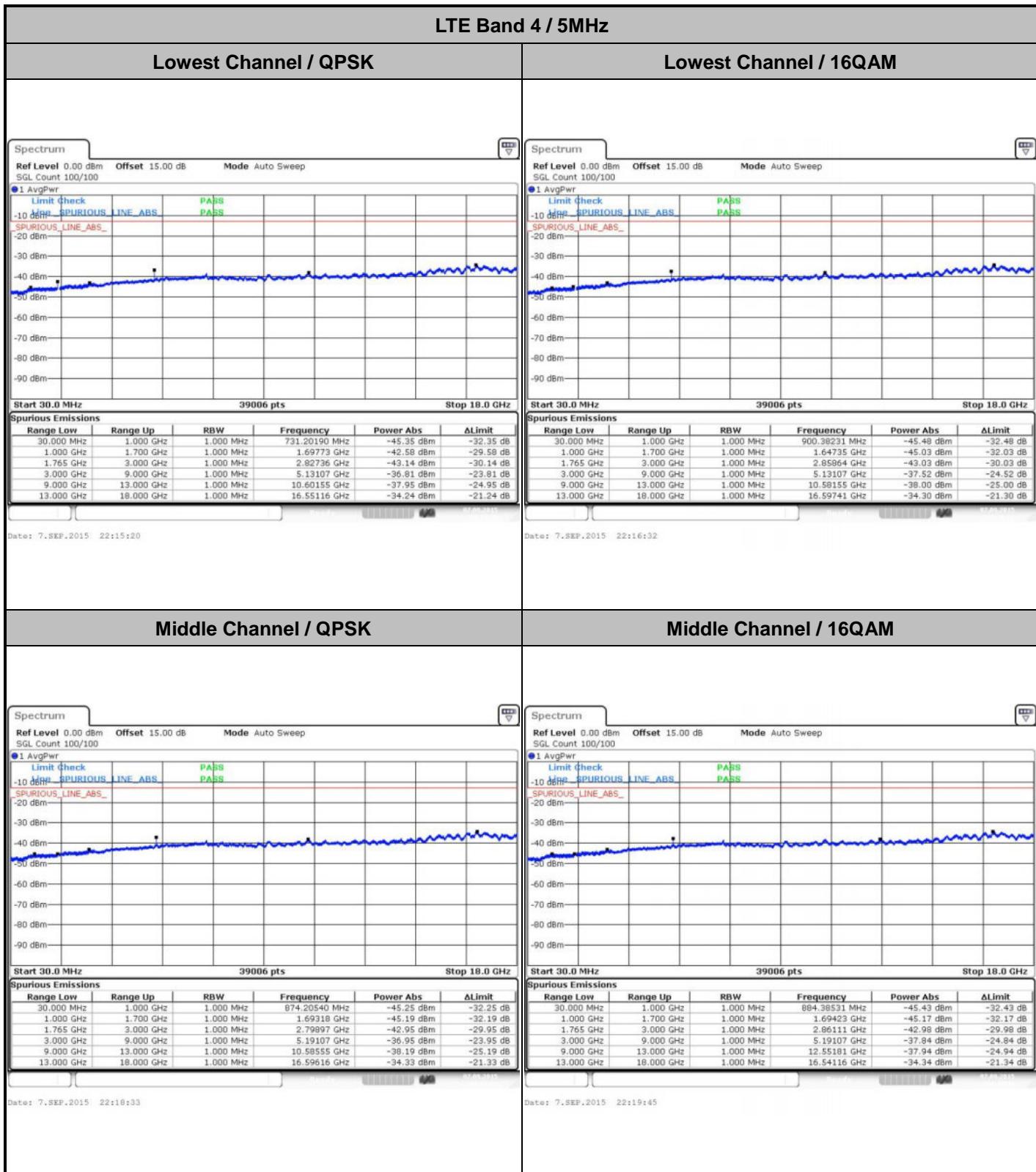
LTE Band 4 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM





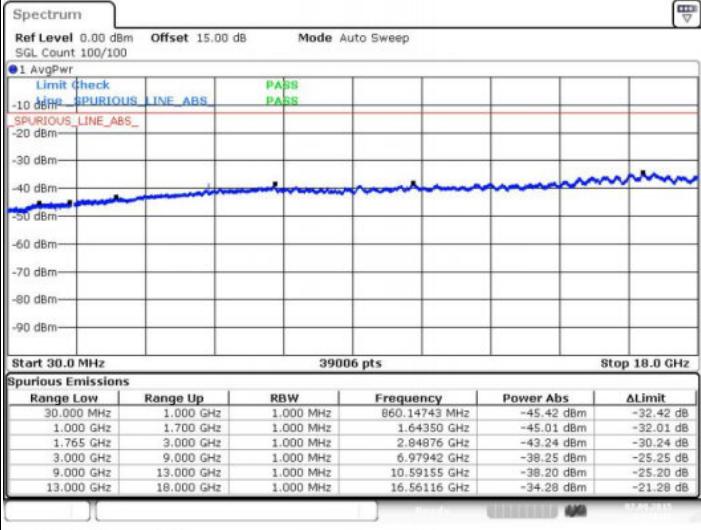
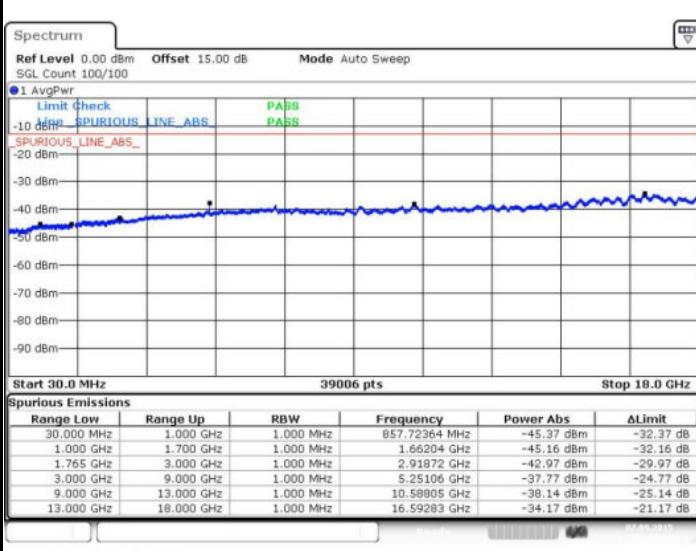




LTE Band 4 / 5MHz

Highest Channel / QPSK

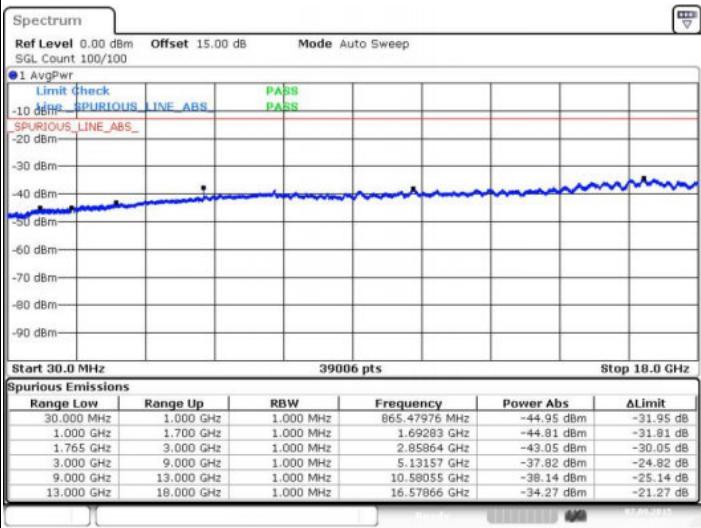
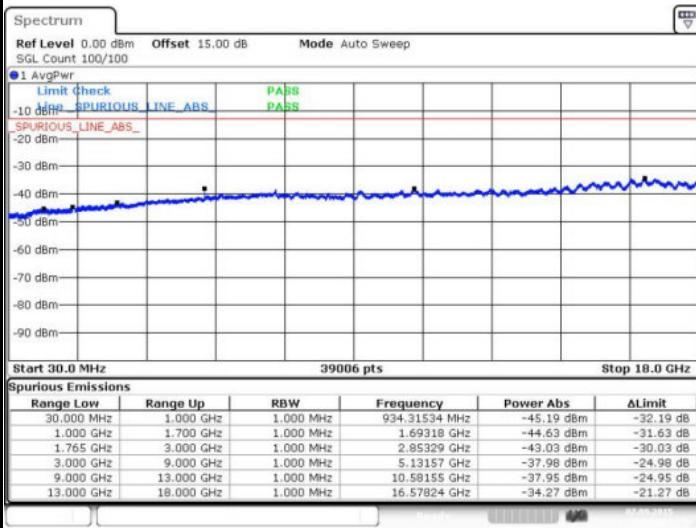
Highest Channel / 16QAM

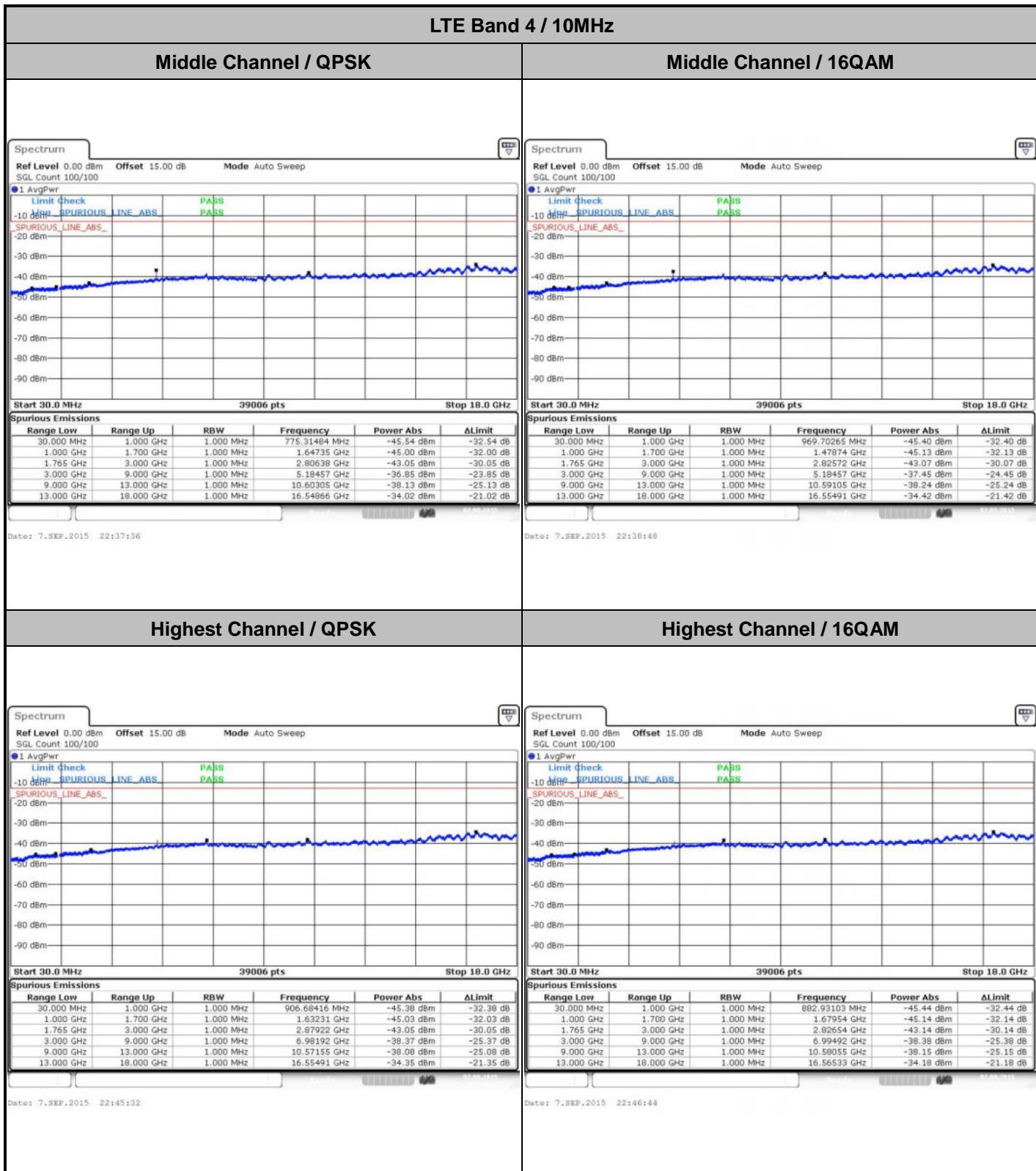


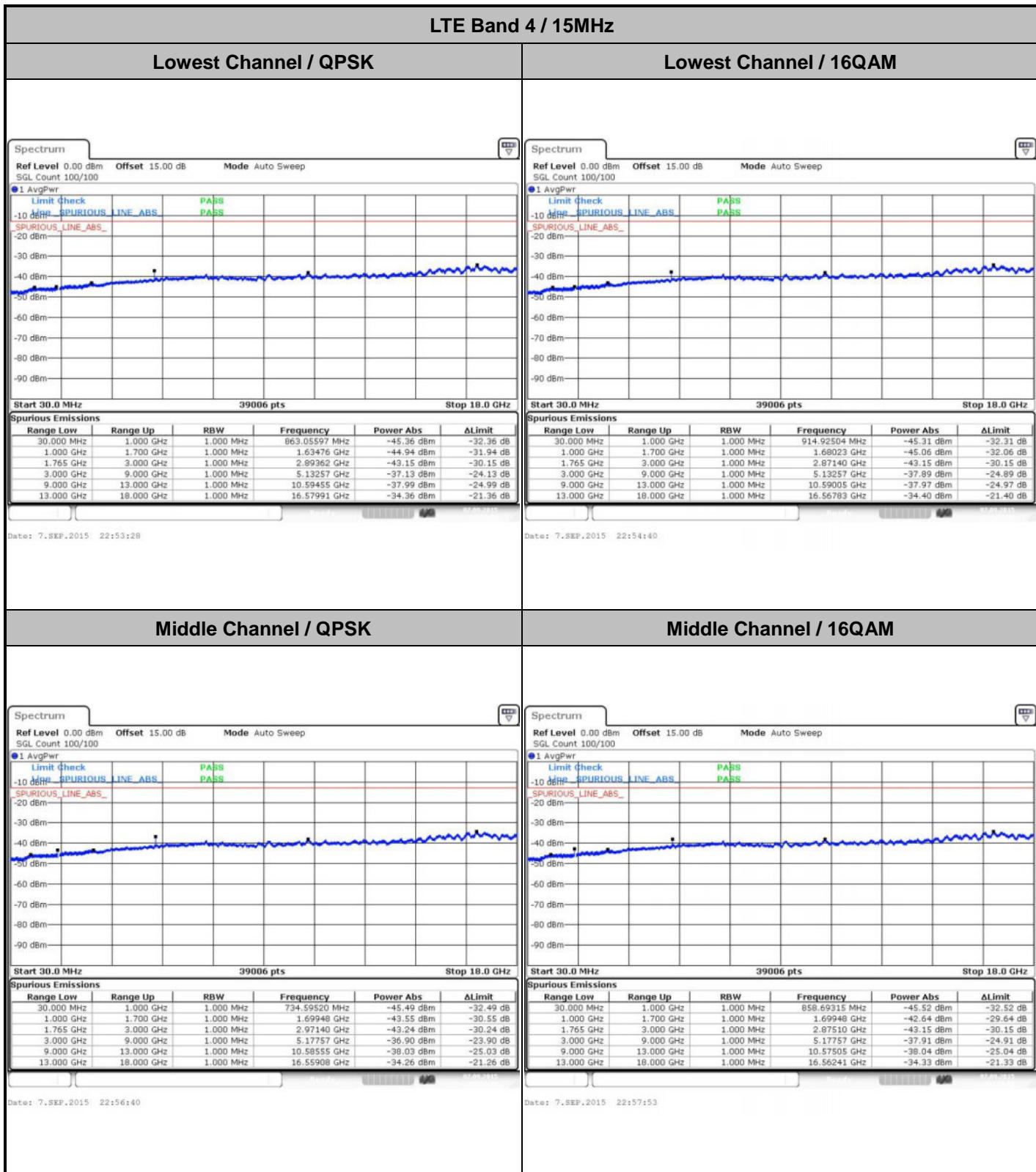
LTE Band 4 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM





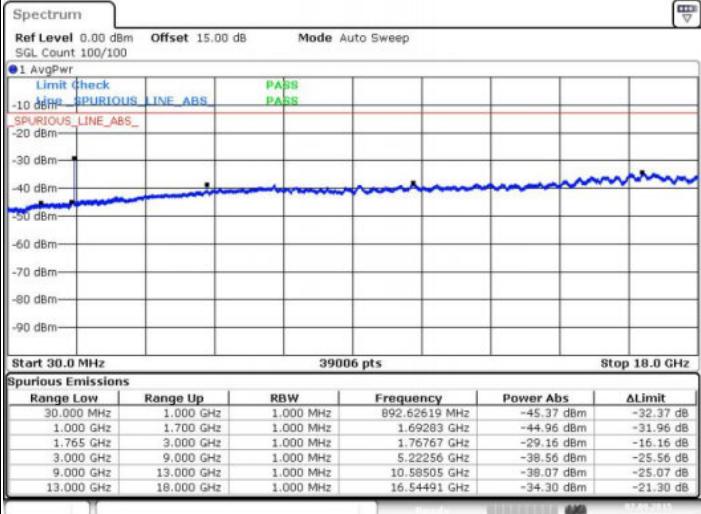
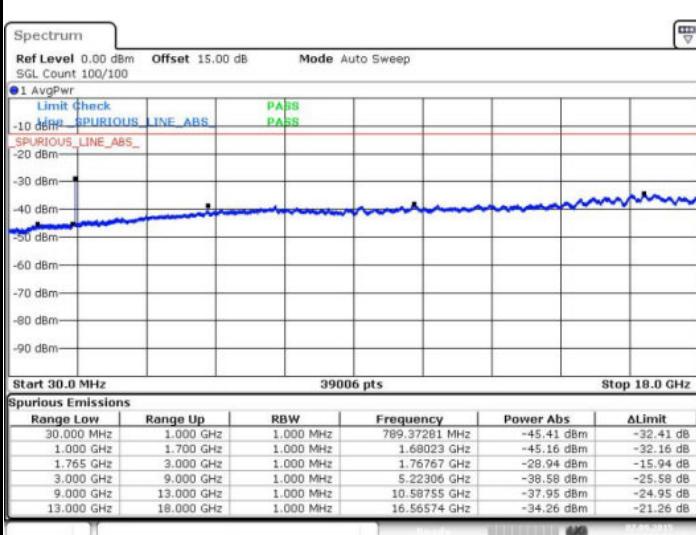




LTE Band 4 / 15MHz

Highest Channel / QPSK

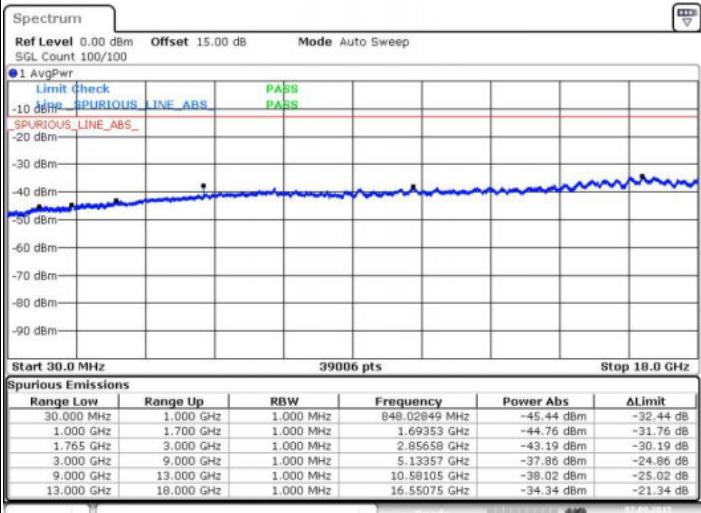
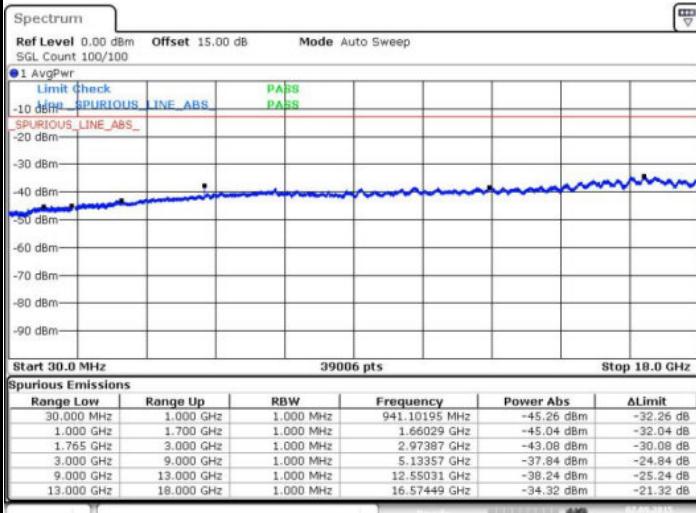
Highest Channel / 16QAM

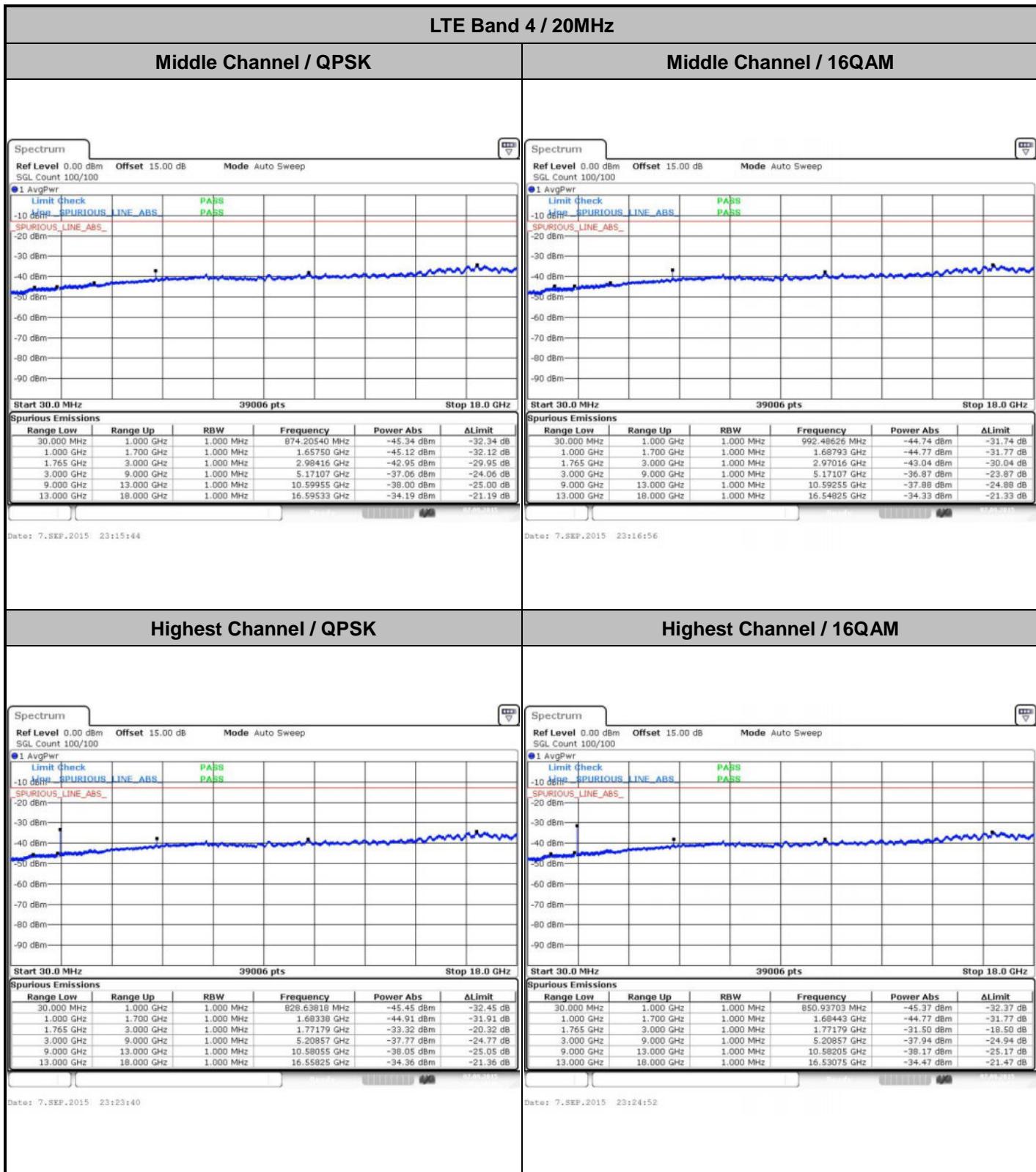


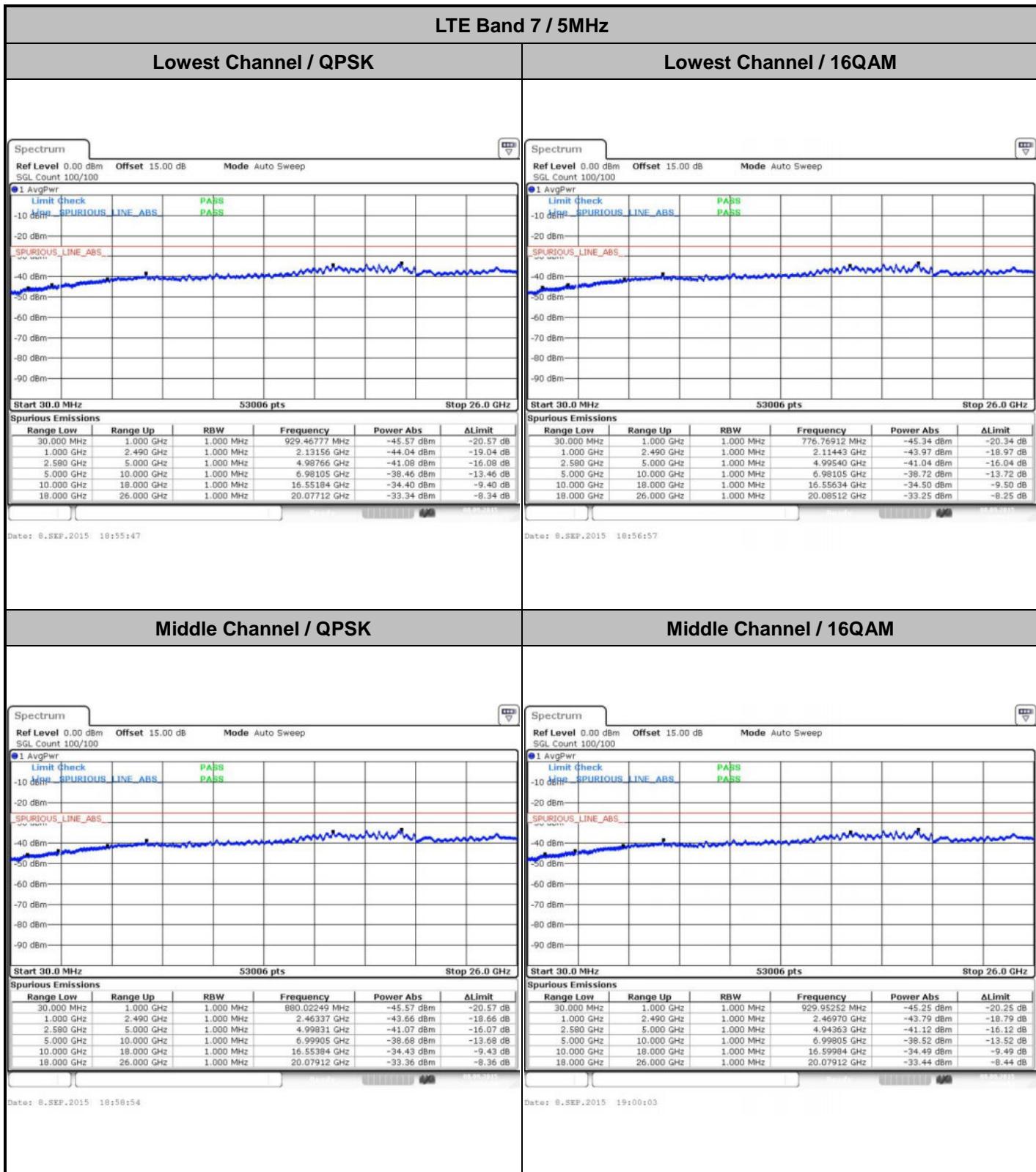
LTE Band 4 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM





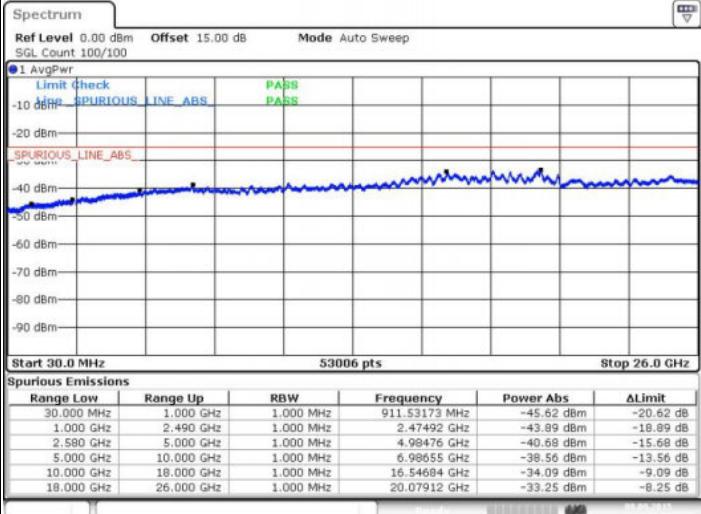
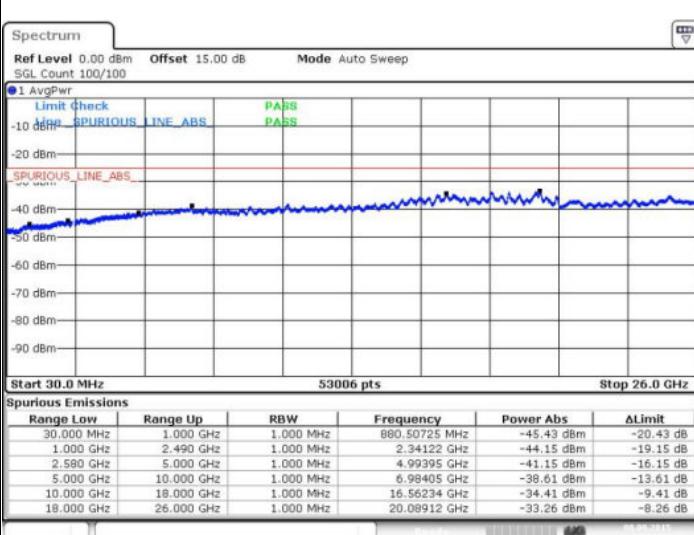




LTE Band 7 / 5MHz

Highest Channel / QPSK

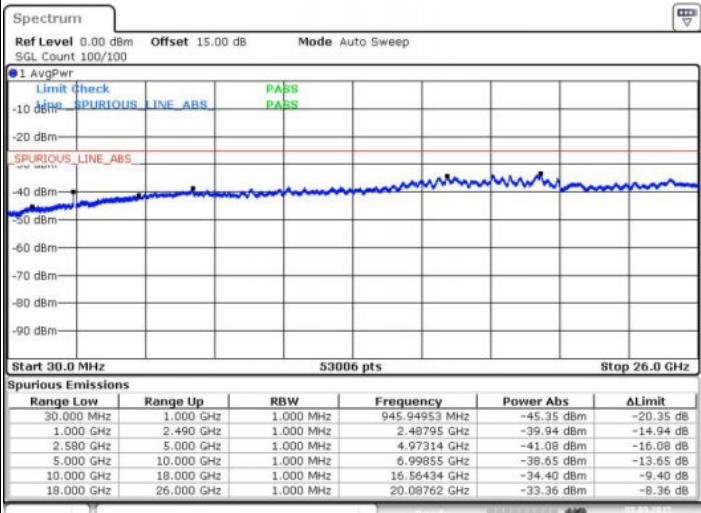
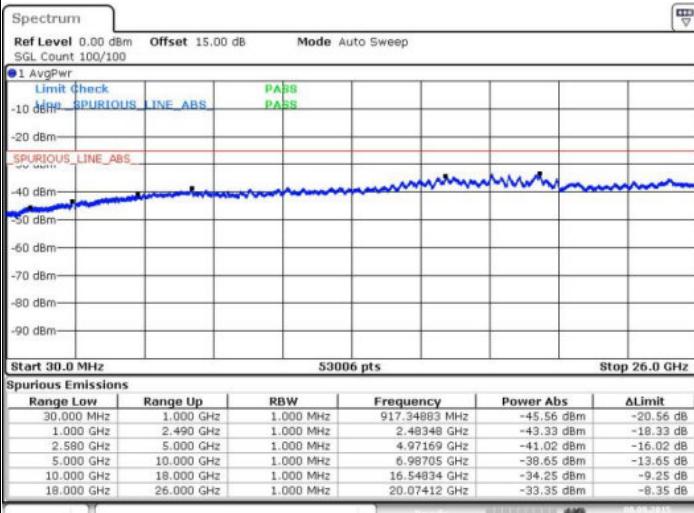
Highest Channel / 16QAM

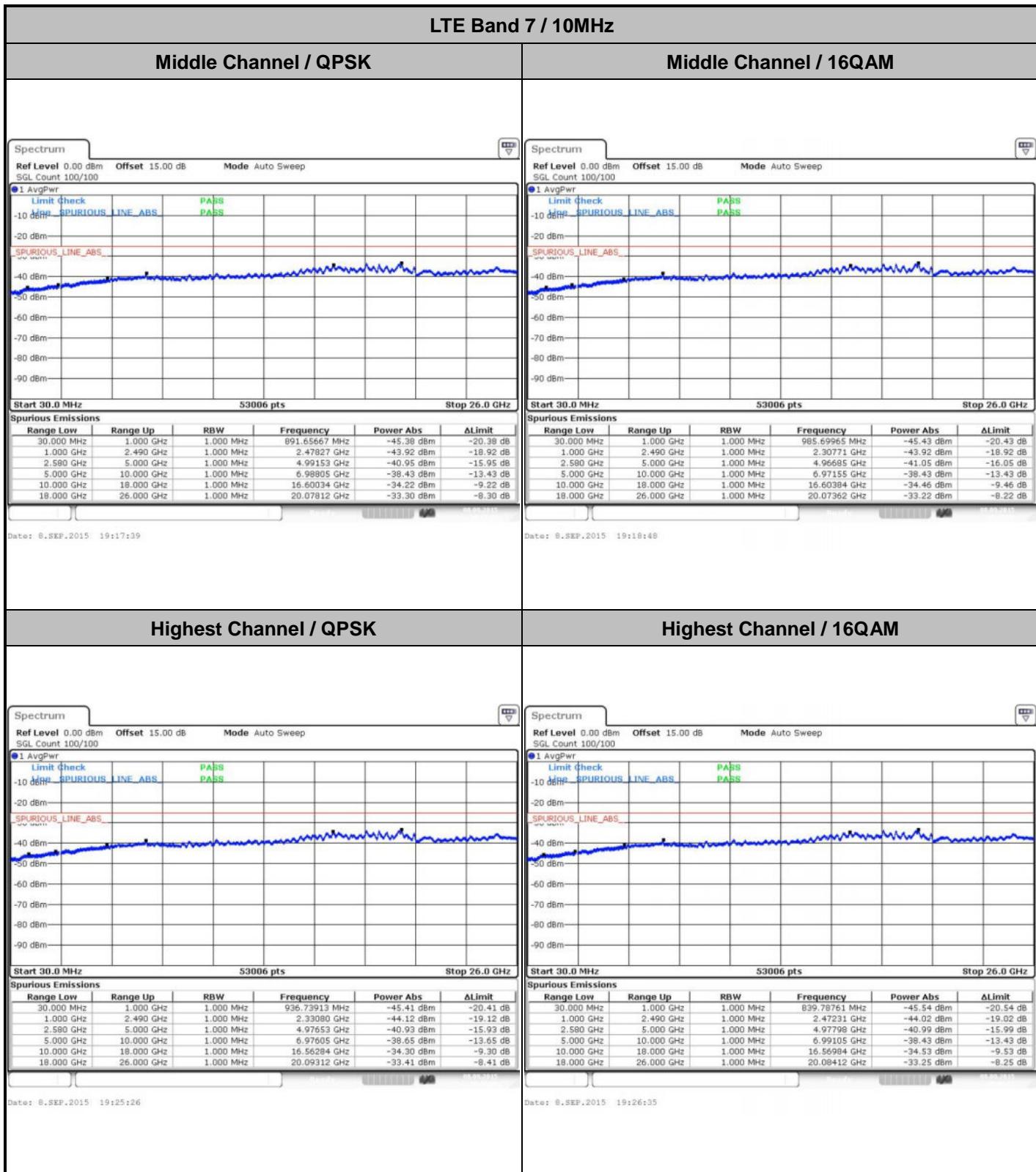


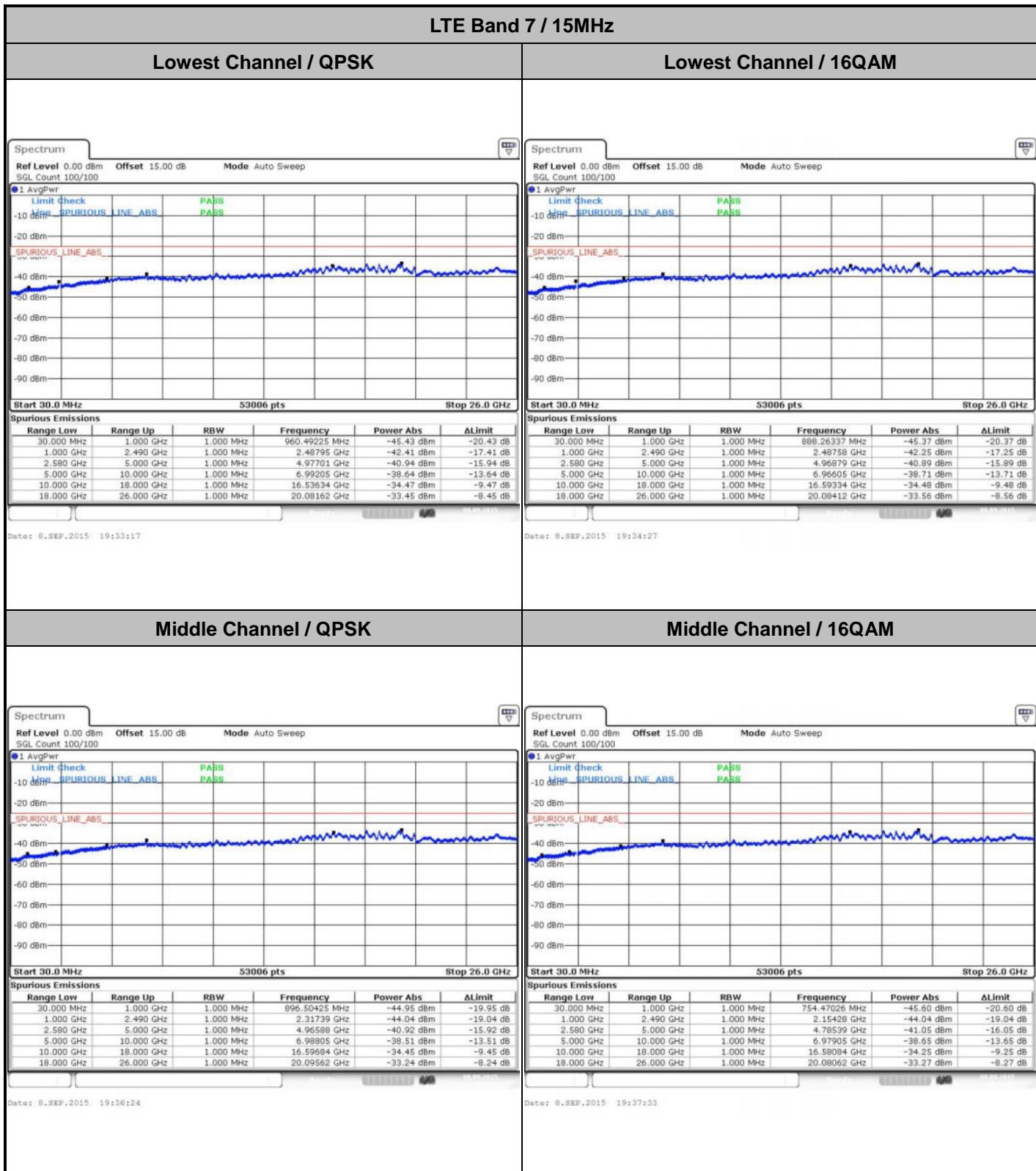
LTE Band 7 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM





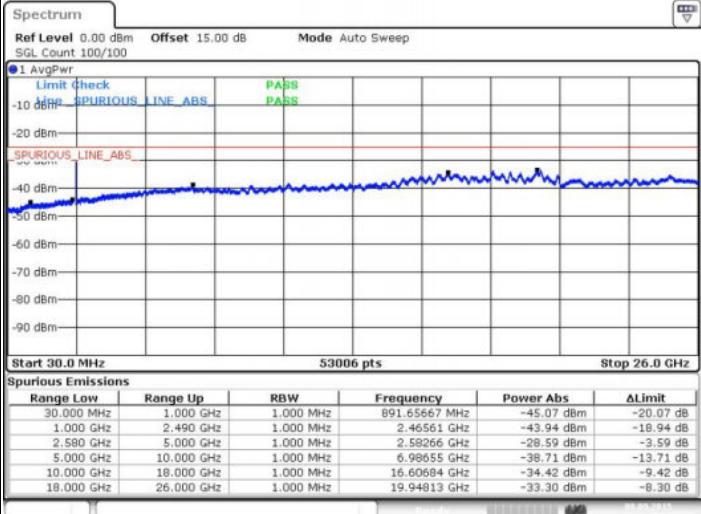
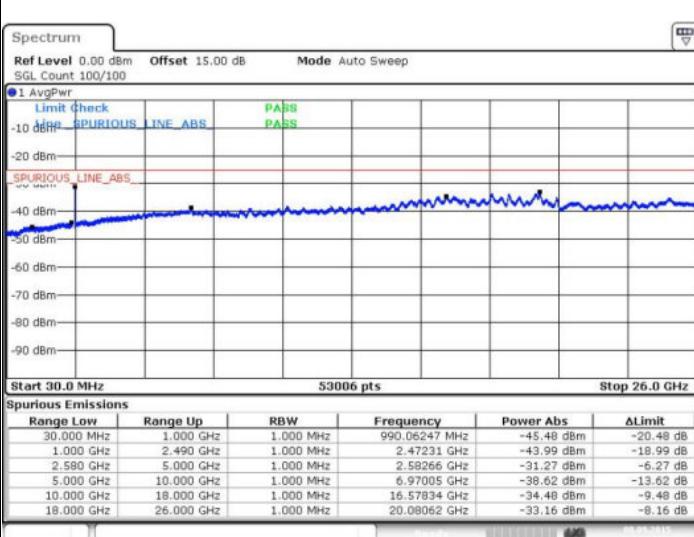




LTE Band7 / 15MHz

Highest Channel / QPSK

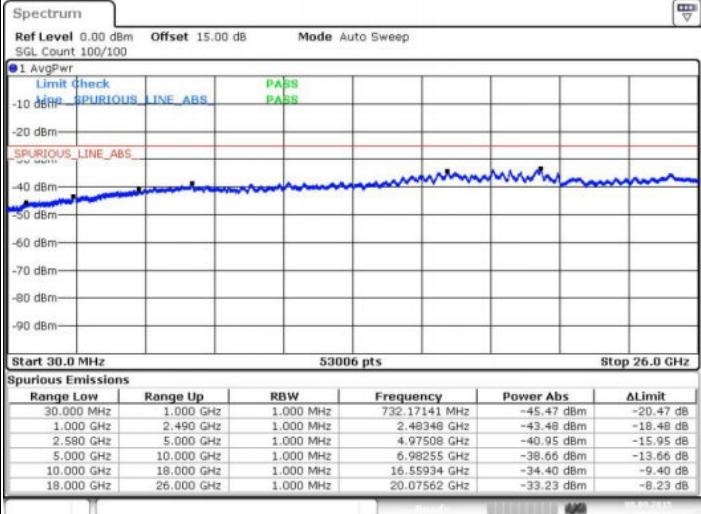
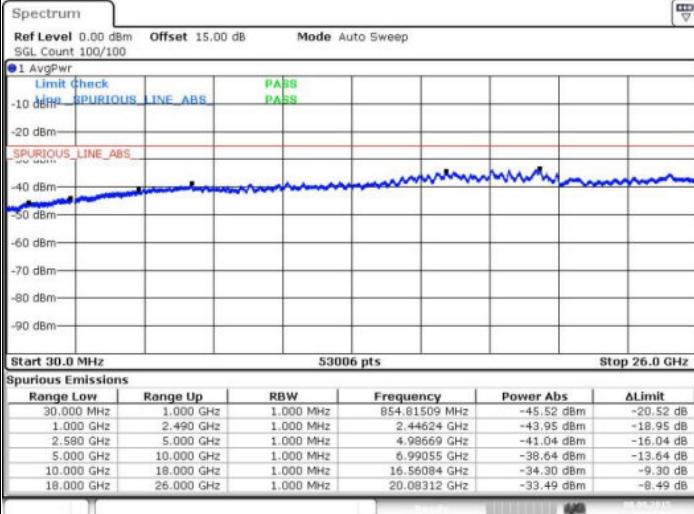
Highest Channel / 16QAM

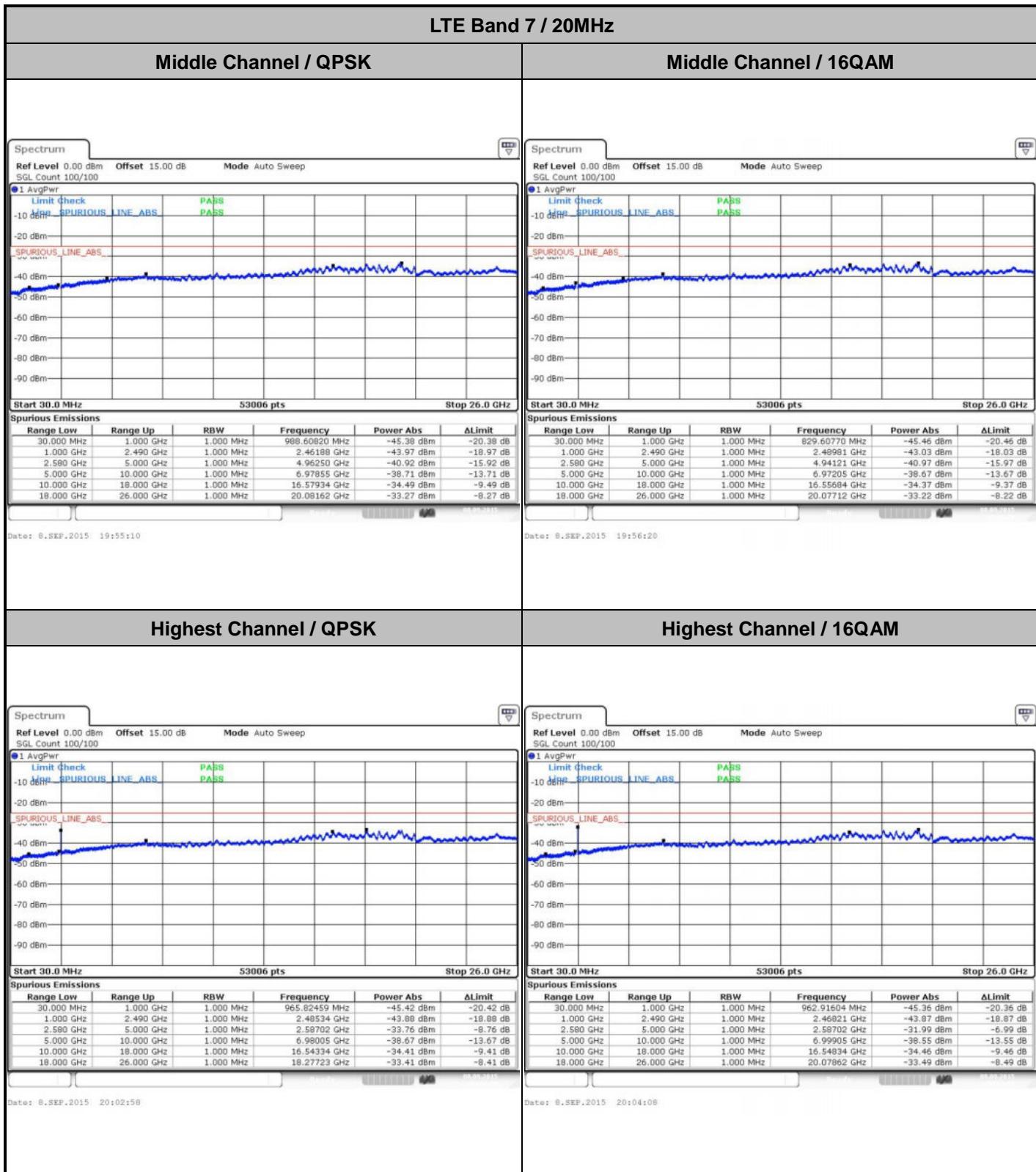


LTE Band 7 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM







Frequency Stability

| Test Conditions | | LTE Band 2 (QPSK) / Middle Channel | Limit |
|---------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0113 | PASS |
| 40 | Normal Voltage | 0.0085 | |
| 30 | Normal Voltage | 0.0042 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0014 | |
| 0 | Normal Voltage | 0.0549 | |
| -10 | Normal Voltage | 0.0563 | |
| -20 | Normal Voltage | 0.0606 | |
| -30 | Normal Voltage | 0.0634 | |
| 20 | Maximum Voltage | 0.0028 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0042 | |

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.4V. ; Maximum Voltage = 4.35V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



| Test Conditions | | LTE Band 4 (QPSK) / Middle Channel | Limit |
|---------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0099 | PASS |
| 40 | Normal Voltage | 0.0070 | |
| 30 | Normal Voltage | 0.0042 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0014 | |
| 0 | Normal Voltage | 0.0366 | |
| -10 | Normal Voltage | 0.0394 | |
| -20 | Normal Voltage | 0.0380 | |
| -30 | Normal Voltage | 0.0423 | |
| 20 | Maximum Voltage | 0.0028 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0042 | |

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.4V. ; Maximum Voltage = 4.35V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



| Test Conditions | | LTE Band 7 (QPSK) / Middle Channel | Limit |
|---------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0324 | PASS |
| 40 | Normal Voltage | 0.0296 | |
| 30 | Normal Voltage | 0.0268 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0014 | |
| 0 | Normal Voltage | 0.0056 | |
| -10 | Normal Voltage | 0.0042 | |
| -20 | Normal Voltage | 0.0028 | |
| -30 | Normal Voltage | 0.0042 | |
| 20 | Maximum Voltage | 0.0028 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0014 | |

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.4V. ; Maximum Voltage = 4.35V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Appendix B. Test Results of Radiated Test

EIRP



| LTE Band 2 / 1.4MHz (Average) | | | | | | | |
|-------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 3 | 0 | 22.66 | 0.1845 | 22.94 | 0.1968 |
| Middle | | 3 | 0 | 22.05 | 0.1603 | 22.31 | 0.1702 |
| Highest | | 3 | 0 | 21.42 | 0.1387 | 21.63 | 0.1455 |
| Lowest | 16QAM | 1 | 3 | 21.81 | 0.1517 | 22.05 | 0.1603 |
| Middle | | 1 | 3 | 21.34 | 0.1361 | 21.56 | 0.1432 |
| Highest | | 1 | 3 | 20.72 | 0.1180 | 20.85 | 0.1216 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 3MHz (Average) | | | | | | | |
|-----------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 8 | 22.53 | 0.1791 | 22.86 | 0.1932 |
| Middle | | 1 | 8 | 21.97 | 0.1574 | 22.22 | 0.1667 |
| Highest | | 1 | 8 | 21.36 | 0.1368 | 21.60 | 0.1445 |
| Lowest | 16QAM | 1 | 8 | 21.70 | 0.1479 | 22.00 | 0.1585 |
| Middle | | 1 | 8 | 21.26 | 0.1337 | 21.47 | 0.1403 |
| Highest | | 1 | 8 | 20.63 | 0.1156 | 20.82 | 0.1208 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 5MHz (Average) | | | | | | | |
|-----------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 12 | 22.50 | 0.1778 | 22.86 | 0.1932 |
| Middle | | 1 | 0 | 22.13 | 0.1633 | 22.25 | 0.1679 |
| Highest | | 1 | 12 | 21.39 | 0.1377 | 21.67 | 0.1469 |
| Lowest | 16QAM | 1 | 24 | 21.64 | 0.1459 | 21.96 | 0.1570 |
| Middle | | 1 | 0 | 21.38 | 0.1374 | 21.47 | 0.1403 |
| Highest | | 1 | 0 | 20.63 | 0.1156 | 20.82 | 0.1208 |
| Limit | EIRP < 2W | | | Result | | PASS | |



| LTE Band 2 / 10MHz (Average) | | | | | | | |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 22.61 | 0.1824 | 22.90 | 0.1950 |
| Middle | | 1 | 0 | 22.07 | 0.1611 | 22.27 | 0.1687 |
| Highest | | 1 | 49 | 21.52 | 0.1419 | 21.81 | 0.1517 |
| Lowest | 16QAM | 1 | 49 | 21.61 | 0.1449 | 21.80 | 0.1514 |
| Middle | | 1 | 0 | 21.31 | 0.1352 | 21.48 | 0.1406 |
| Highest | | 1 | 25 | 20.53 | 0.1130 | 20.68 | 0.1169 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 15MHz (Average) | | | | | | | |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 22.22 | 0.1667 | 22.47 | 0.1766 |
| Middle | | 1 | 0 | 22.13 | 0.1633 | 22.34 | 0.1714 |
| Highest | | 1 | 74 | 21.58 | 0.1439 | 21.87 | 0.1538 |
| Lowest | 16QAM | 1 | 37 | 21.48 | 0.1406 | 21.69 | 0.1476 |
| Middle | | 1 | 0 | 21.37 | 0.1371 | 21.55 | 0.1429 |
| Highest | | 1 | 37 | 20.73 | 0.1183 | 20.99 | 0.1256 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 20MHz (Average) | | | | | | | |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 22.61 | 0.1824 | 22.92 | 0.1959 |
| Middle | | 1 | 0 | 22.21 | 0.1663 | 22.45 | 0.1758 |
| Highest | | 1 | 0 | 21.73 | 0.1489 | 22.08 | 0.1614 |
| Lowest | 16QAM | 1 | 99 | 21.57 | 0.1435 | 21.73 | 0.1489 |
| Middle | | 1 | 0 | 21.44 | 0.1393 | 21.65 | 0.1462 |
| Highest | | 1 | 49 | 20.87 | 0.1222 | 21.18 | 0.1312 |
| Limit | EIRP < 2W | | | Result | | PASS | |



| LTE Band 4 / 1.4MHz (Average) | | | | | | | |
|-------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 3 | 22.75 | 0.1884 | 24.91 | 0.3097 |
| Middle | | 1 | 3 | 25.05 | 0.3199 | 25.18 | 0.3296 |
| Highest | | 1 | 3 | 24.92 | 0.3105 | 24.91 | 0.3097 |
| Lowest | 16QAM | 1 | 3 | 23.76 | 0.2377 | 23.94 | 0.2477 |
| Middle | | 1 | 3 | 24.04 | 0.2535 | 24.13 | 0.2588 |
| Highest | | 1 | 3 | 23.96 | 0.2489 | 23.98 | 0.2500 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4 / 3MHz (Average) | | | | | | | |
|-----------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 8 | 24.64 | 0.2911 | 24.79 | 0.3013 |
| Middle | | 1 | 8 | 24.91 | 0.3097 | 24.99 | 0.3155 |
| Highest | | 1 | 8 | 24.92 | 0.3105 | 24.92 | 0.3105 |
| Lowest | 16QAM | 1 | 8 | 23.90 | 0.2455 | 23.90 | 0.2455 |
| Middle | | 1 | 8 | 23.96 | 0.2489 | 24.10 | 0.2570 |
| Highest | | 1 | 8 | 23.73 | 0.2360 | 23.84 | 0.2421 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4 / 5MHz (Average) | | | | | | | |
|-----------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 24 | 24.72 | 0.2965 | 24.80 | 0.3020 |
| Middle | | 1 | 24 | 25.02 | 0.3177 | 25.07 | 0.3214 |
| Highest | | 1 | 12 | 24.96 | 0.3133 | 24.95 | 0.3126 |
| Lowest | 16QAM | 1 | 24 | 23.87 | 0.2438 | 23.96 | 0.2489 |
| Middle | | 1 | 24 | 24.09 | 0.2564 | 24.23 | 0.2649 |
| Highest | | 1 | 12 | 24.12 | 0.2582 | 24.11 | 0.2576 |
| Limit | EIRP < 1W | | | Result | | PASS | |



| LTE Band 4/ 10MHz (Average) | | | | | | | |
|-----------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 25 | 24.78 | 0.3006 | 24.82 | 0.3034 |
| Middle | | 1 | 0 | 24.64 | 0.2911 | 24.63 | 0.2904 |
| Highest | | 1 | 0 | 24.93 | 0.3112 | 24.90 | 0.3090 |
| Lowest | 16QAM | 1 | 25 | 23.99 | 0.2506 | 24.09 | 0.2564 |
| Middle | | 1 | 0 | 24.16 | 0.2606 | 24.27 | 0.2673 |
| Highest | | 1 | 0 | 24.16 | 0.2606 | 24.16 | 0.2606 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4 / 15MHz (Average) | | | | | | | |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 74 | 24.75 | 0.2985 | 24.82 | 0.3034 |
| Middle | | 1 | 74 | 24.91 | 0.3097 | 24.99 | 0.3155 |
| Highest | | 1 | 37 | 24.88 | 0.3076 | 24.96 | 0.3133 |
| Lowest | 16QAM | 1 | 74 | 24.04 | 0.2535 | 24.14 | 0.2594 |
| Middle | | 1 | 74 | 24.10 | 0.2570 | 24.20 | 0.2630 |
| Highest | | 1 | 37 | 24.26 | 0.2667 | 24.35 | 0.2723 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4 / 20MHz (Average) | | | | | | | |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 99 | 24.79 | 0.3013 | 24.86 | 0.3062 |
| Middle | | 1 | 99 | 24.50 | 0.2818 | 24.42 | 0.2767 |
| Highest | | 1 | 99 | 24.78 | 0.3006 | 24.77 | 0.2999 |
| Lowest | 16QAM | 1 | 99 | 24.00 | 0.2512 | 24.10 | 0.2570 |
| Middle | | 1 | 0 | 24.18 | 0.2618 | 24.20 | 0.2630 |
| Highest | | 1 | 49 | 24.11 | 0.2576 | 24.14 | 0.2594 |
| Limit | EIRP < 1W | | | Result | | PASS | |



| LTE Band 7 / 5MHz (Average) | | | | | | | |
|-----------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 12 | 25.44 | 0.3499 | 25.51 | 0.3556 |
| Middle | | 1 | 0 | 25.85 | 0.3846 | 25.67 | 0.3690 |
| Highest | | 1 | 12 | 25.13 | 0.3258 | 25.23 | 0.3334 |
| Lowest | 16QAM | 1 | 12 | 24.93 | 0.3112 | 24.97 | 0.3141 |
| Middle | | 1 | 24 | 25.94 | 0.3926 | 25.68 | 0.3698 |
| Highest | | 1 | 24 | 24.29 | 0.2685 | 24.37 | 0.2735 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 7 / 10MHz (Average) | | | | | | | |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 26.50 | 0.4467 | 26.18 | 0.4150 |
| Middle | | 1 | 49 | 26.34 | 0.4305 | 25.85 | 0.3846 |
| Highest | | 1 | 25 | 25.15 | 0.3273 | 25.23 | 0.3334 |
| Lowest | 16QAM | 1 | 49 | 25.54 | 0.3581 | 25.52 | 0.3565 |
| Middle | | 1 | 49 | 25.04 | 0.3192 | 24.77 | 0.2999 |
| Highest | | 1 | 49 | 24.31 | 0.2698 | 24.39 | 0.2748 |
| Limit | EIRP < 2W | | | Result | | PASS | |



| LTE Band 7 / 15MHz (Average) | | | | | | | |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 37 | 26.35 | 0.4315 | 26.22 | 0.4188 |
| Middle | | 1 | 0 | 25.70 | 0.3715 | 25.48 | 0.3532 |
| Highest | | 1 | 0 | 25.12 | 0.3251 | 25.19 | 0.3304 |
| Lowest | 16QAM | 1 | 37 | 25.43 | 0.3491 | 25.37 | 0.3443 |
| Middle | | 1 | 37 | 24.91 | 0.3097 | 24.66 | 0.2924 |
| Highest | | 1 | 37 | 24.10 | 0.2570 | 24.12 | 0.2582 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 7 / 20MHz (Average) | | | | | | | |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel | Modulation | RB | | Horizontal | | Vertical | |
| | | Size | Offset | EIRP(dBm) | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 99 | 26.56 | 0.4529 | 26.37 | 0.4335 |
| Middle | | 1 | 99 | 25.62 | 0.3648 | 25.42 | 0.3483 |
| Highest | | 1 | 99 | 25.17 | 0.3289 | 25.23 | 0.3334 |
| Lowest | 16QAM | 1 | 99 | 25.52 | 0.3565 | 25.33 | 0.3412 |
| Middle | | 1 | 99 | 25.83 | 0.3828 | 25.64 | 0.3664 |
| Highest | | 1 | 99 | 25.51 | 0.3556 | 25.35 | 0.3428 |
| Limit | EIRP < 2W | | | Result | | PASS | |



Radiated Spurious Emission



| LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0 | | | | | | | | | |
|---|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3758.92 | -51.82 | -13 | -38.82 | -64.59 | -59.01 | 0.81 | 8.00 | H |
| | 5638.38 | -44.43 | -13 | -31.43 | -63.18 | -54.42 | 1.01 | 11.00 | H |
| | 7517.84 | -47.05 | -13 | -34.05 | -69.22 | -59.29 | 1.46 | 13.70 | H |
| | 3758.92 | -50.40 | -13 | -37.40 | -63.47 | -57.59 | 0.81 | 8.00 | V |
| | 5638.38 | -37.25 | -13 | -24.25 | -57.13 | -47.24 | 1.01 | 11.00 | V |
| | 7517.84 | -46.50 | -13 | -33.50 | -68.99 | -58.74 | 1.46 | 13.70 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0 | | | | | | | | | |
|---|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3758.92 | -52.65 | -13 | -39.65 | -65.42 | -59.84 | 0.81 | 8.00 | H |
| | 5638.38 | -43.90 | -13 | -30.90 | -62.65 | -53.89 | 1.01 | 11.00 | H |
| | 7517.84 | -48.04 | -13 | -35.04 | -70.21 | -60.28 | 1.46 | 13.70 | H |
| | 3758.92 | -50.03 | -13 | -37.03 | -63.1 | -57.22 | 0.81 | 8.00 | V |
| | 5638.38 | -36.09 | -13 | -23.09 | -56.31 | -46.08 | 1.01 | 11.00 | V |
| | 7517.84 | -45.37 | -13 | -32.37 | -67.86 | -57.61 | 1.46 | 13.70 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0 | | | | | | | | | |
|---|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3755.68 | -51.64 | -13 | -38.64 | -64.41 | -58.83 | 0.81 | 8.00 | H |
| | 5633.52 | -43.36 | -13 | -30.36 | -62.11 | -53.35 | 1.01 | 11.00 | H |
| | 7511.36 | -46.34 | -13 | -33.34 | -68.51 | -58.58 | 1.46 | 13.70 | H |
| | 3755.68 | -49.66 | -13 | -36.66 | -62.73 | -56.85 | 0.81 | 8.00 | V |
| | 5633.52 | -36.63 | -13 | -23.63 | -56.67 | -46.62 | 1.01 | 11.00 | V |
| | 7511.36 | -43.82 | -13 | -30.82 | -66.31 | -56.06 | 1.46 | 13.70 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0 | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3751.18 | -53.16 | -13 | -40.16 | -65.93 | -60.35 | 0.81 | 8.00 | H |
| | 5626.77 | -43.38 | -13 | -30.38 | -62.13 | -53.37 | 1.01 | 11.00 | H |
| | 7502.36 | -47.21 | -13 | -34.21 | -69.38 | -59.45 | 1.46 | 13.70 | H |
| | 3751.18 | -50.82 | -13 | -37.82 | -63.89 | -58.01 | 0.81 | 8.00 | V |
| | 5626.77 | -36.19 | -13 | -23.19 | -56.38 | -46.18 | 1.01 | 11.00 | V |
| | 7502.36 | -46.86 | -13 | -33.86 | -69.35 | -59.10 | 1.46 | 13.70 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0 | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3746.68 | -52.86 | -13 | -39.86 | -65.63 | -60.05 | 0.81 | 8.00 | H |
| | 5620.02 | -44.22 | -13 | -31.22 | -62.97 | -54.21 | 1.01 | 11.00 | H |
| | 7493.36 | -48.04 | -13 | -35.04 | -70.21 | -60.28 | 1.46 | 13.70 | H |
| | 3746.68 | -50.65 | -13 | -37.65 | -63.72 | -57.84 | 0.81 | 8.00 | V |
| | 5620.02 | -33.70 | -13 | -20.70 | -54.48 | -43.69 | 1.01 | 11.00 | V |
| | 7493.36 | -46.77 | -13 | -33.77 | -69.26 | -59.01 | 1.46 | 13.70 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0 | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3742.18 | -52.04 | -13 | -39.04 | -64.81 | -59.23 | 0.81 | 8.00 | H |
| | 5613.27 | -42.10 | -13 | -29.10 | -60.85 | -52.09 | 1.01 | 11.00 | H |
| | 7484.36 | -47.11 | -13 | -34.11 | -69.28 | -59.35 | 1.46 | 13.70 | H |
| | 3742.18 | -51.34 | -13 | -38.34 | -64.41 | -58.53 | 0.81 | 8.00 | V |
| | 5613.27 | -34.13 | -13 | -21.13 | -54.86 | -44.12 | 1.01 | 11.00 | V |
| | 7484.36 | -46.49 | -13 | -33.49 | -68.98 | -58.73 | 1.46 | 13.70 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0 | | | | | | | | | |
|---|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3463.92 | -53.01 | -13 | -40.01 | -65.84 | -60.20 | 0.81 | 8.00 | H |
| | 5195.88 | -50.55 | -13 | -37.55 | -69.08 | -59.60 | 0.95 | 10.00 | H |
| | 6927.84 | -47.90 | -13 | -34.90 | -69.24 | -60.17 | 1.13 | 13.40 | H |
| | 3463.92 | -48.53 | -13 | -35.53 | -61.87 | -60.32 | 0.81 | 12.60 | V |
| | 5195.88 | -50.22 | -13 | -37.22 | -68.85 | -61.97 | 0.95 | 12.70 | V |
| | 6927.84 | -48.28 | -13 | -35.28 | -69.27 | -58.85 | 1.13 | 11.70 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0 | | | | | | | | | |
|---|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3462.48 | -53.32 | -13 | -40.32 | -66.15 | -60.51 | 0.81 | 8.00 | H |
| | 5193.72 | -44.59 | -13 | -31.59 | -63.12 | -53.64 | 0.95 | 10.00 | H |
| | 6924.96 | -47.18 | -13 | -34.18 | -68.52 | -59.45 | 1.13 | 13.40 | H |
| | 3462.48 | -49.96 | -13 | -36.96 | -63.3 | -61.75 | 0.81 | 12.60 | V |
| | 5193.72 | -41.00 | -13 | -28.00 | -59.63 | -52.75 | 0.95 | 12.70 | V |
| | 6924.96 | -46.41 | -13 | -33.41 | -67.4 | -56.98 | 1.13 | 11.70 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 0 | | | | | | | | | |
|---|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3460.68 | -53.89 | -13 | -40.89 | -66.72 | -61.08 | 0.81 | 8.00 | H |
| | 5191.02 | -42.74 | -13 | -29.74 | -61.27 | -51.79 | 0.95 | 10.00 | H |
| | 6921.36 | -47.27 | -13 | -34.27 | -68.61 | -59.54 | 1.13 | 13.40 | H |
| | 3460.68 | -50.69 | -13 | -37.69 | -64.03 | -62.48 | 0.81 | 12.60 | V |
| | 5191.02 | -40.24 | -13 | -27.24 | -58.87 | -51.99 | 0.95 | 12.70 | V |
| | 6921.36 | -46.75 | -13 | -33.75 | -67.74 | -57.32 | 1.13 | 11.70 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0 | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3456.18 | -53.08 | -13 | -40.08 | -65.91 | -60.27 | 0.81 | 8.00 | H |
| | 5184.27 | -45.66 | -13 | -32.66 | -64.19 | -54.71 | 0.95 | 10.00 | H |
| | 6912.36 | -47.43 | -13 | -34.43 | -68.77 | -59.70 | 1.13 | 13.40 | H |
| | 3456.18 | -51.33 | -13 | -38.33 | -64.67 | -63.12 | 0.81 | 12.60 | V |
| | 5184.27 | -41.83 | -13 | -28.83 | -60.46 | -53.58 | 0.95 | 12.70 | V |
| | 6912.36 | -45.65 | -13 | -32.65 | -66.64 | -56.22 | 1.13 | 11.70 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0 | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3451.68 | -53.88 | -13 | -40.88 | -66.71 | -61.07 | 0.81 | 8.00 | H |
| | 5177.52 | -45.64 | -13 | -32.64 | -64.17 | -54.69 | 0.95 | 10.00 | H |
| | 6903.36 | -46.14 | -13 | -33.14 | -67.48 | -58.41 | 1.13 | 13.40 | H |
| | 3451.68 | -52.01 | -13 | -39.01 | -65.35 | -63.80 | 0.81 | 12.60 | V |
| | 5177.52 | -42.78 | -13 | -29.78 | -61.41 | -54.53 | 0.95 | 12.70 | V |
| | 6903.36 | -47.20 | -13 | -34.20 | -68.19 | -57.77 | 1.13 | 11.70 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0 | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3447.18 | -53.16 | -13 | -40.16 | -65.99 | -60.35 | 0.81 | 8.00 | H |
| | 5170.77 | -45.06 | -13 | -32.06 | -63.59 | -54.11 | 0.95 | 10.00 | H |
| | 6894.36 | -46.85 | -13 | -33.85 | -68.19 | -59.12 | 1.13 | 13.40 | H |
| | 3447.18 | -51.92 | -13 | -38.92 | -65.26 | -63.71 | 0.81 | 12.60 | V |
| | 5170.77 | -43.42 | -13 | -30.42 | -62.05 | -55.17 | 0.95 | 12.70 | V |
| | 6894.36 | -47.66 | -13 | -34.66 | -68.65 | -58.23 | 1.13 | 11.70 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 7 / 5MHz / QPSK / RB Size 1 Offset 0 | | | | | | | | | |
|---|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 5065.68 | -42.05 | -25 | -17.05 | -59.68 | -51.10 | 0.95 | 10.00 | H |
| | 7598.52 | -33.85 | -25 | -8.85 | -59.52 | -46.09 | 1.46 | 13.70 | H |
| | 10131.36 | -44.25 | -25 | -19.25 | -71.80 | -56.14 | 1.31 | 13.20 | H |
| | 5065.68 | -44.00 | -25 | -19.00 | -61.9 | -53.0456 | 0.95 | 10.00 | V |
| | 7598.52 | -40.79 | -25 | -15.79 | -65.12 | -53.0256 | 1.46 | 13.70 | V |
| | 10131.36 | -45.61 | -25 | -20.61 | -72.09 | -57.4956 | 1.31 | 13.20 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 7 / 10MHz / QPSK / RB Size 1 Offset 0 | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 5061.18 | -43.39 | -25 | -18.39 | -61.02 | -52.44 | 0.95 | 10.00 | H |
| | 7591.77 | -33.00 | -25 | -8.00 | -58.96 | -45.24 | 1.46 | 13.70 | H |
| | 10122.36 | -43.64 | -25 | -18.64 | -71.19 | -55.53 | 1.31 | 13.20 | H |
| | 5061.18 | -44.68 | -25 | -19.68 | -62.58 | -53.7256 | 0.95 | 10.00 | V |
| | 7591.77 | -40.63 | -25 | -15.63 | -64.96 | -52.8656 | 1.46 | 13.70 | V |
| | 10122.36 | -46.54 | -25 | -21.54 | -73.02 | -58.4256 | 1.31 | 13.20 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 7 / 15MHz / QPSK / RB Size 1 Offset 0 | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 5056.68 | -42.89 | -25 | -17.89 | -60.52 | -51.94 | 0.95 | 10.00 | H |
| | 7585.02 | -35.27 | -25 | -10.27 | -60.89 | -47.51 | 1.46 | 13.70 | H |
| | 10131.36 | -45.35 | -25 | -20.35 | -72.90 | -57.24 | 1.31 | 13.20 | H |
| | 5056.68 | -45.01 | -25 | -20.01 | -62.91 | -54.0556 | 0.95 | 10.00 | V |
| | 7585.02 | -40.95 | -25 | -15.95 | -65.28 | -53.1856 | 1.46 | 13.70 | V |
| | 10131.36 | -46.32 | -25 | -21.32 | -72.8 | -58.2056 | 1.31 | 13.20 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 7 / 20MHz / QPSK / RB Size 1 Offset 0 | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 5052.18 | -43.00 | -25 | -18.00 | -60.63 | -52.05 | 0.95 | 10.00 | H |
| | 7578.27 | -35.28 | -25 | -10.28 | -60.90 | -47.52 | 1.46 | 13.70 | H |
| | 10104.36 | -43.16 | -25 | -18.16 | -70.71 | -55.05 | 1.31 | 13.20 | H |
| | 5052.18 | -43.87 | -25 | -18.87 | -61.77 | -52.9156 | 0.95 | 10.00 | V |
| | 7578.27 | -41.68 | -25 | -16.68 | -66.01 | -53.9156 | 1.46 | 13.70 | V |
| | 10104.36 | -45.05 | -25 | -20.05 | -71.53 | -56.9356 | 1.31 | 13.20 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.