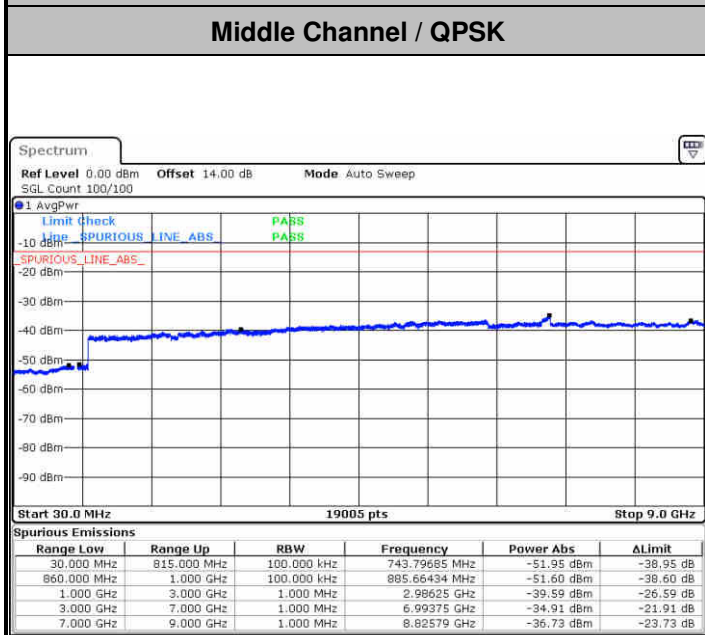
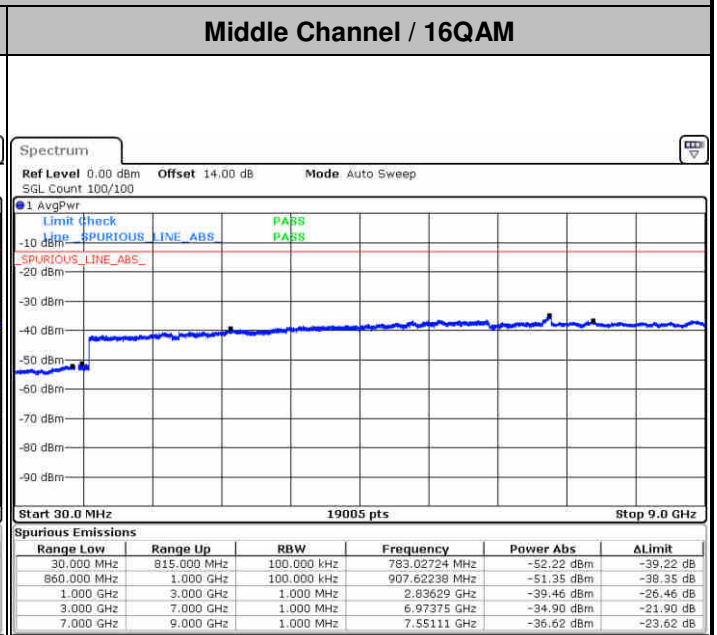




LTE Band 5 / 10MHz

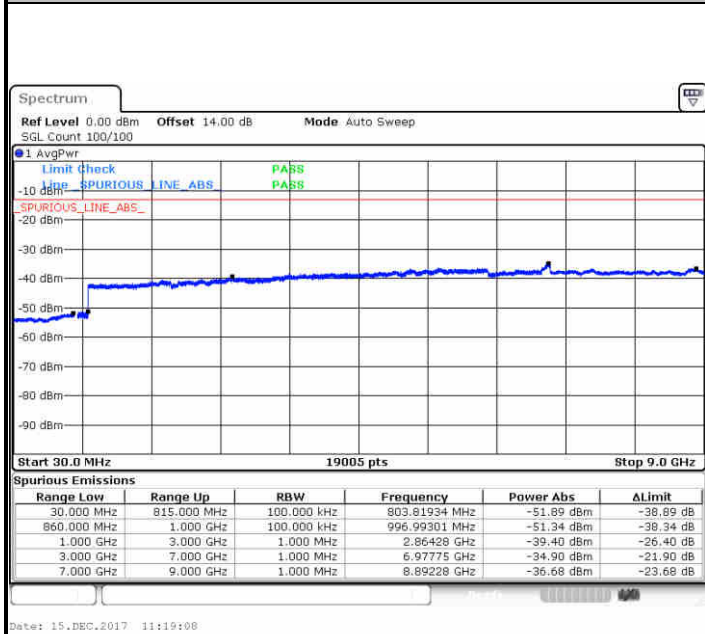


Date: 15.DEC.2017 11:10:00



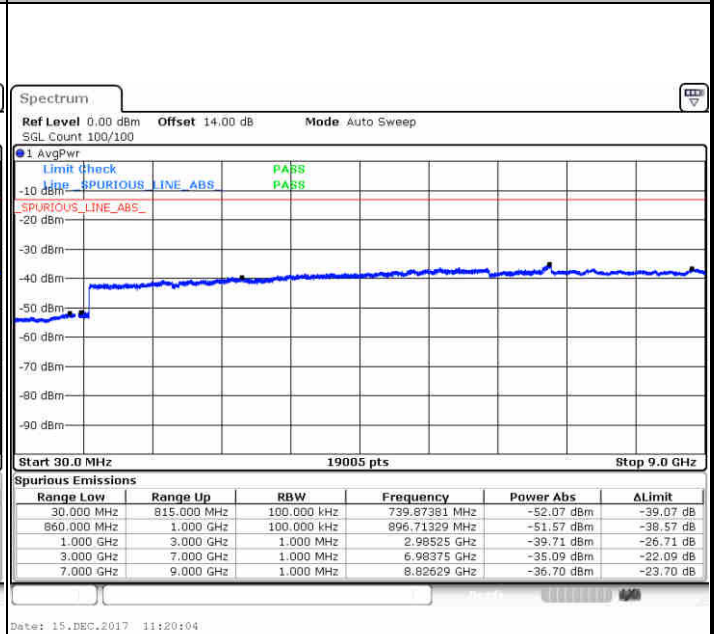
Date: 15.DEC.2017 11:10:56

Highest Channel / QPSK



Date: 15.DEC.2017 11:19:08

Highest Channel / 16QAM



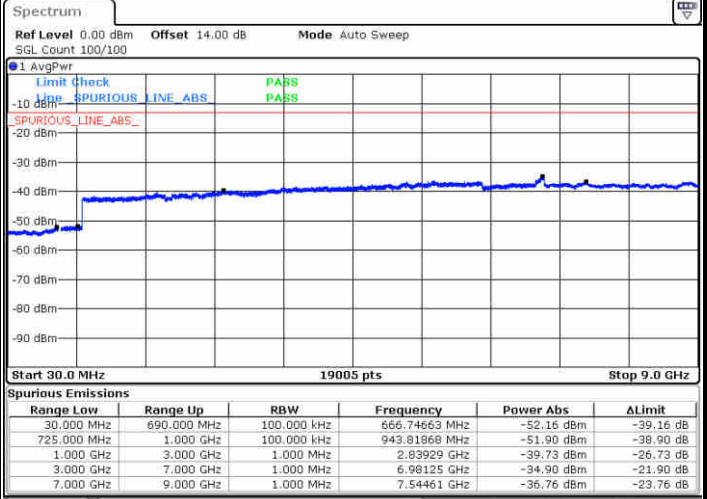
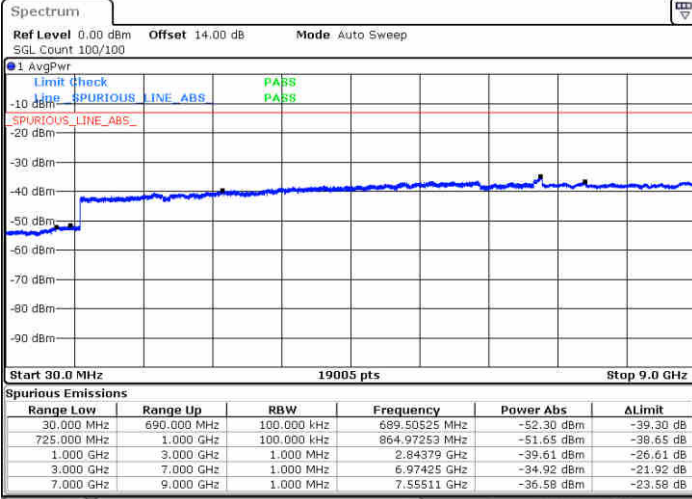
Date: 15.DEC.2017 11:20:04



LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

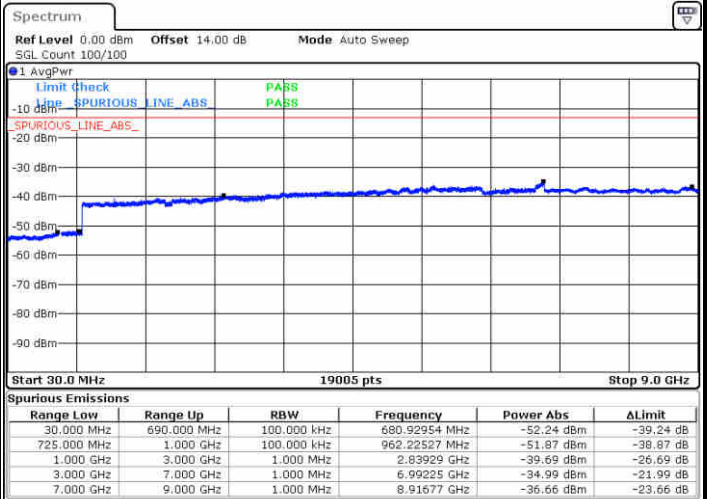
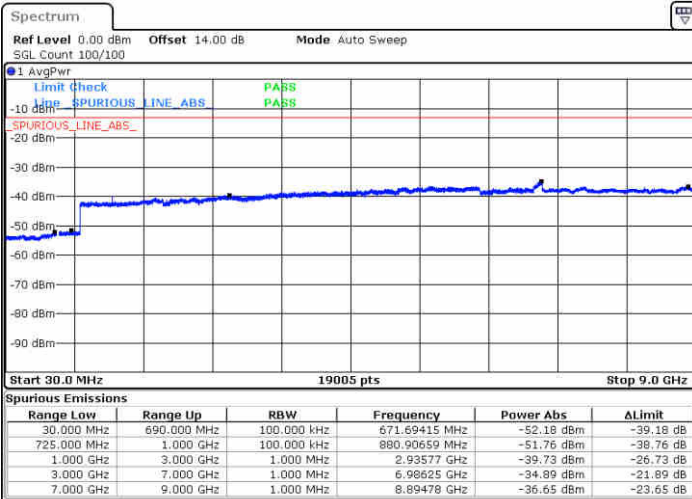


Date: 15. DEC. 2017 14:37:36

Date: 15. DEC. 2017 14:38:32

Middle Channel / QPSK

Middle Channel / 16QAM



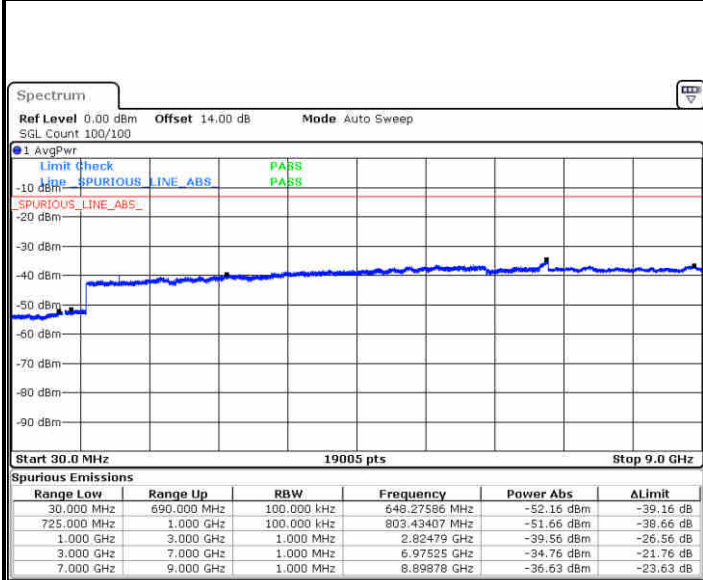
Date: 15. DEC. 2017 14:40:08

Date: 15. DEC. 2017 14:41:04



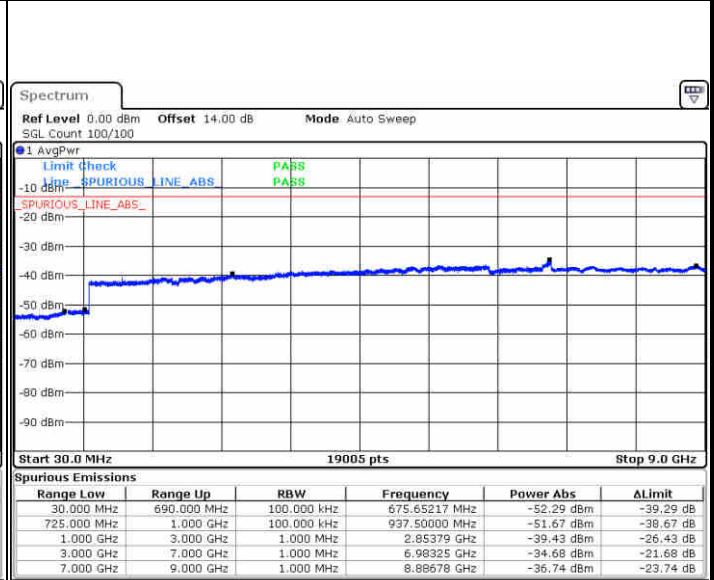
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 15.DEC.2017 14:47:16

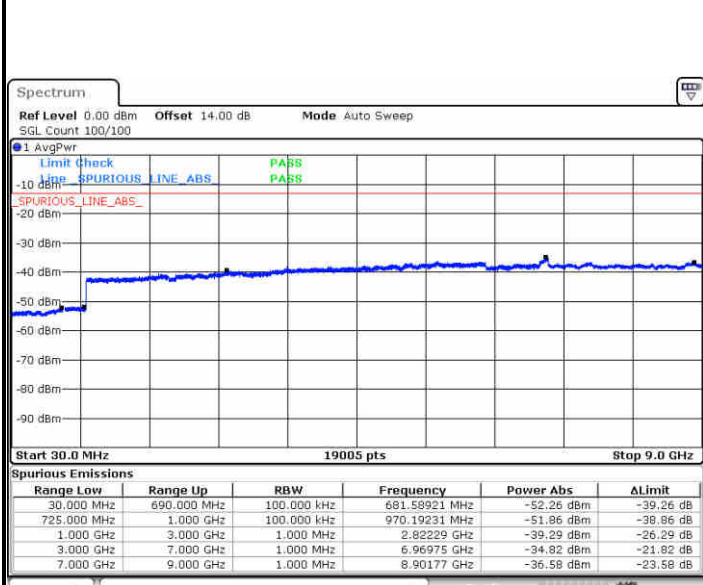
Highest Channel / 16QAM



Date: 15.DEC.2017 14:48:12

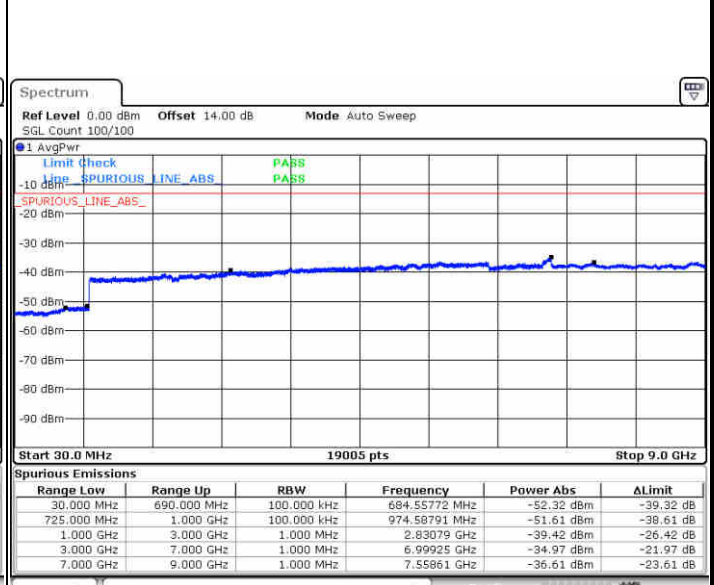
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 15.DEC.2017 14:54:24

Lowest Channel / 16QAM



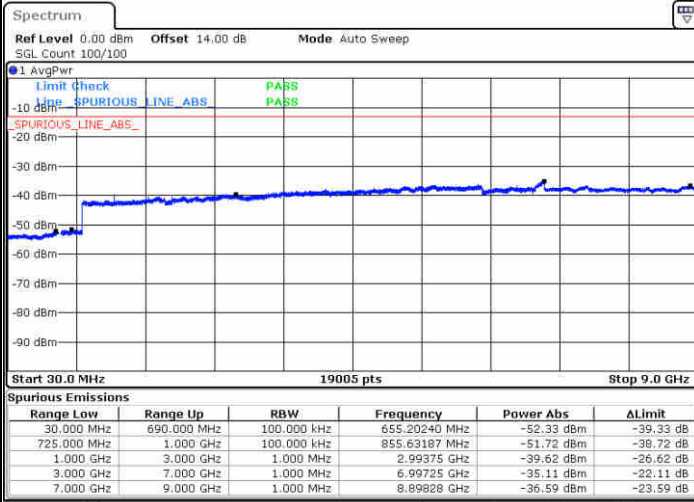
Date: 15.DEC.2017 14:55:20



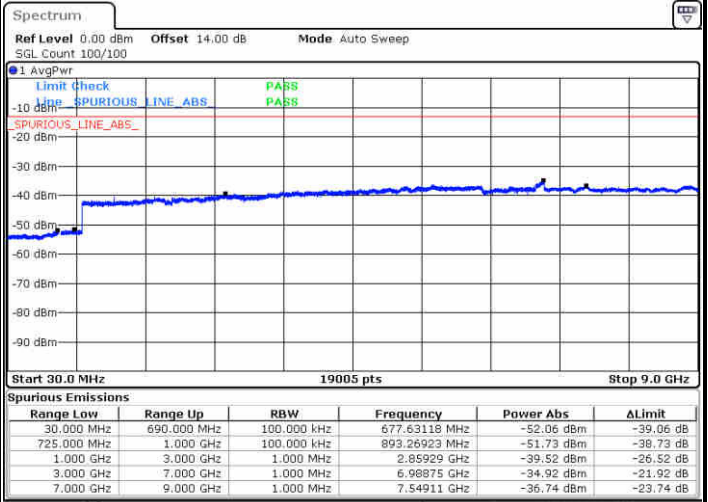
LTE Band 12 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



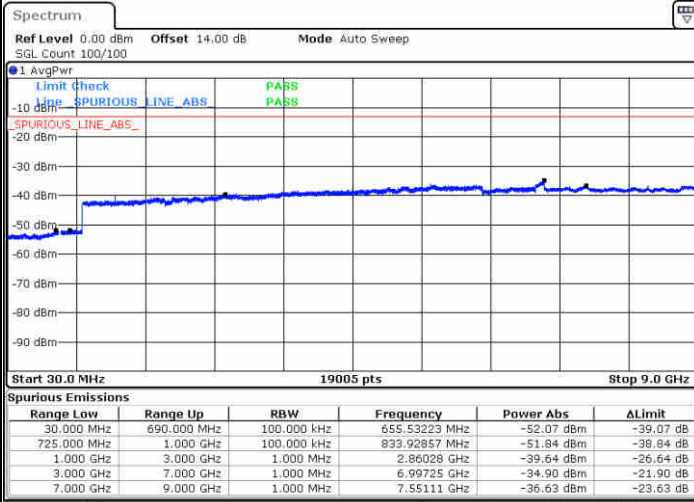
Date: 15. DEC. 2017 14:56:57



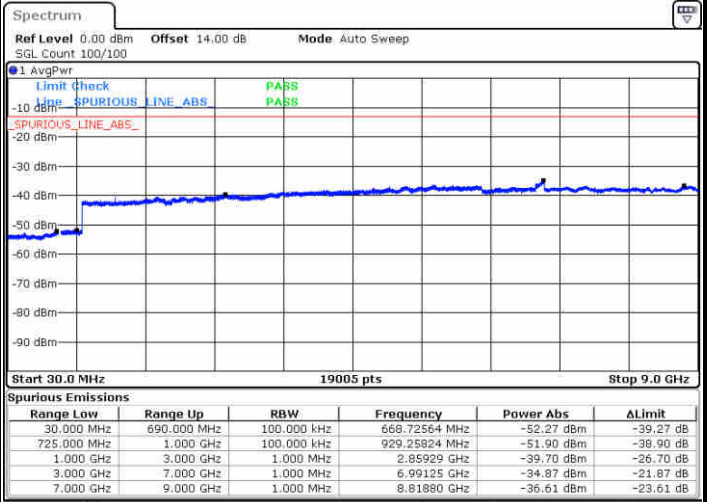
Date: 15. DEC. 2017 14:57:53

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 15. DEC. 2017 15:04:05



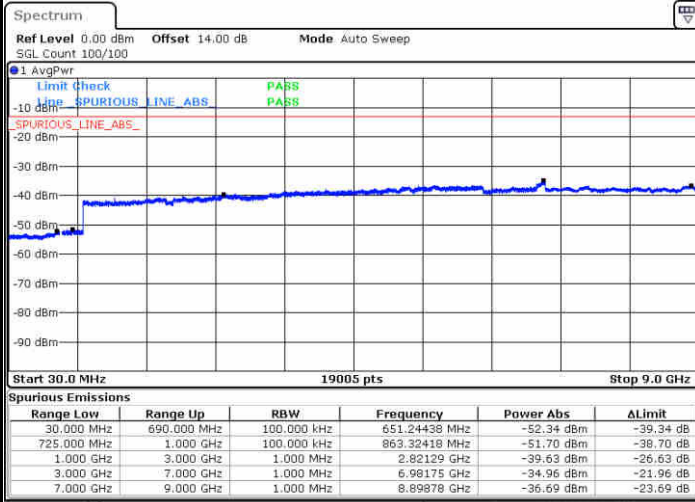
Date: 15. DEC. 2017 15:05:01



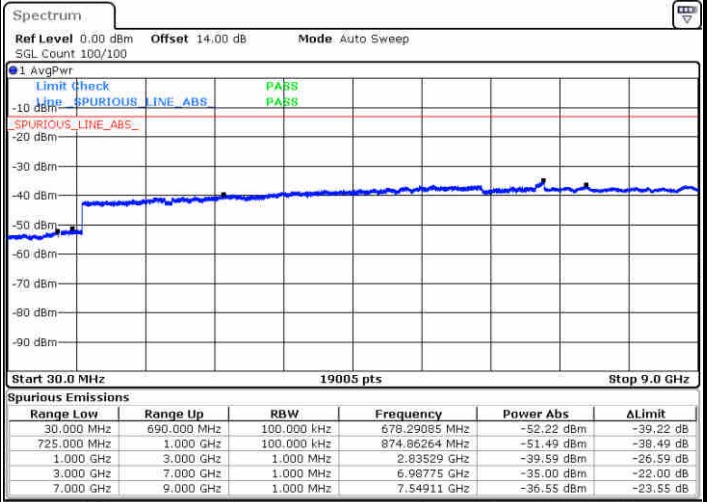
LTE Band 12 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



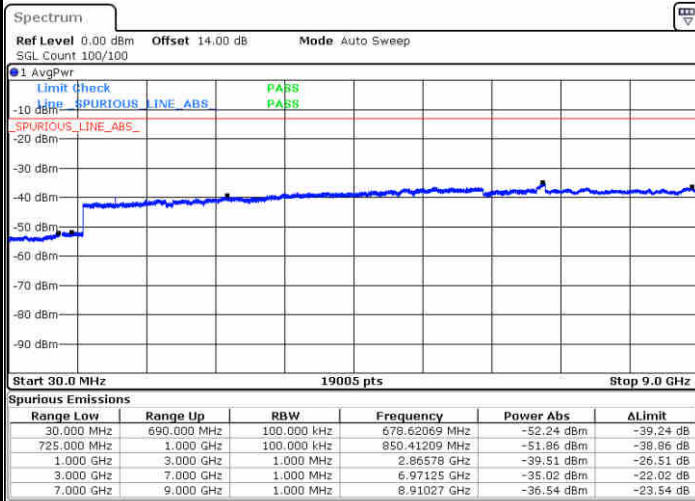
Date: 15. DEC. 2017 15:11:13



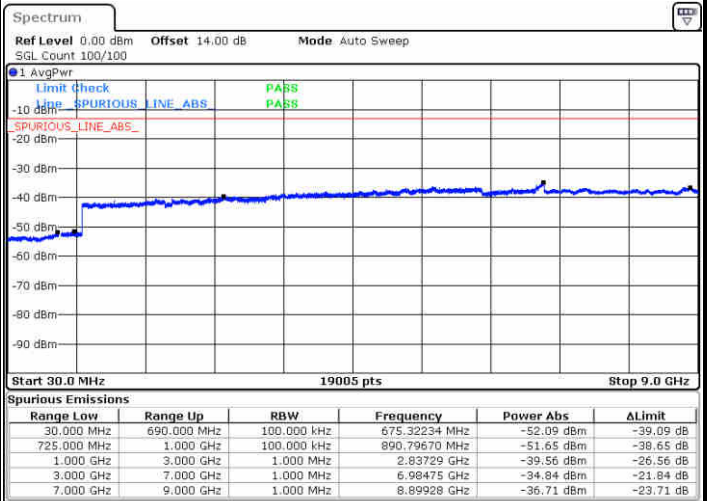
Date: 15. DEC. 2017 15:12:08

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 15. DEC. 2017 15:13:45

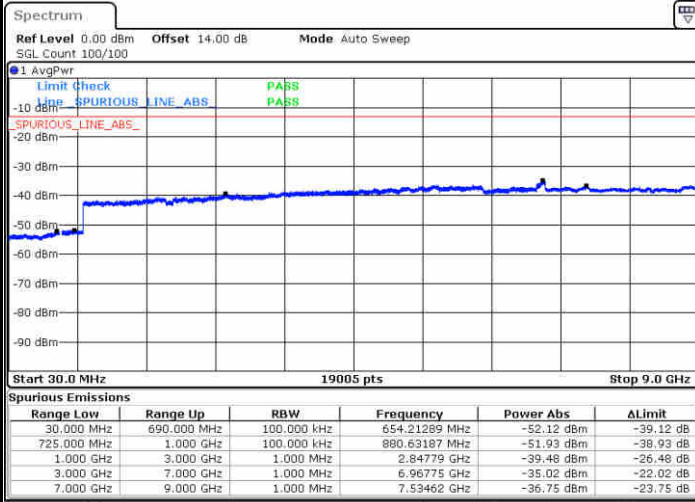


Date: 15. DEC. 2017 15:14:41



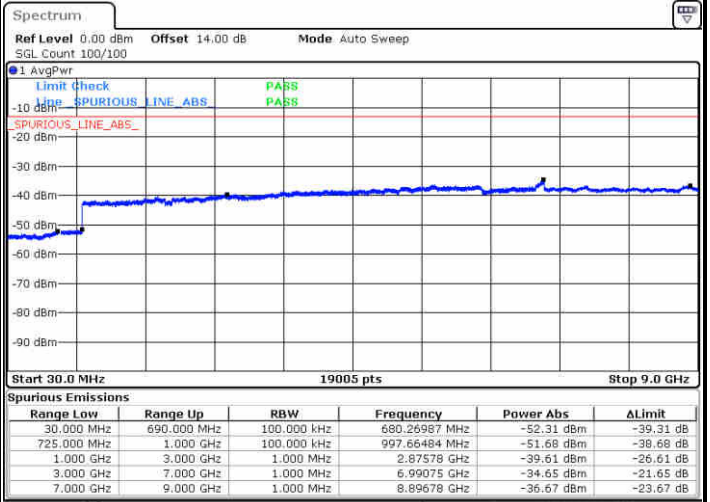
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 15. DEC. 2017 15:20:53

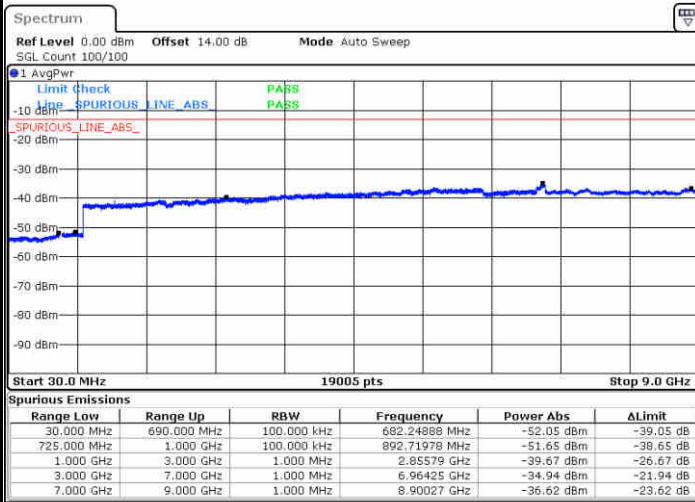
Highest Channel / 16QAM



Date: 15. DEC. 2017 15:21:49

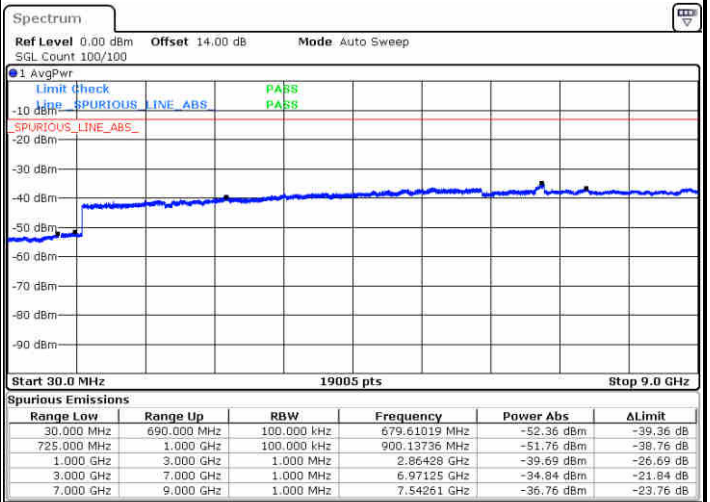
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 15. DEC. 2017 15:28:01

Lowest Channel / 16QAM



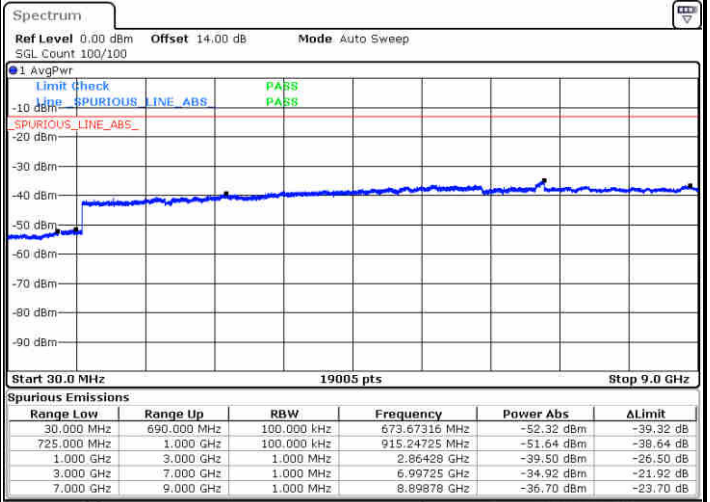
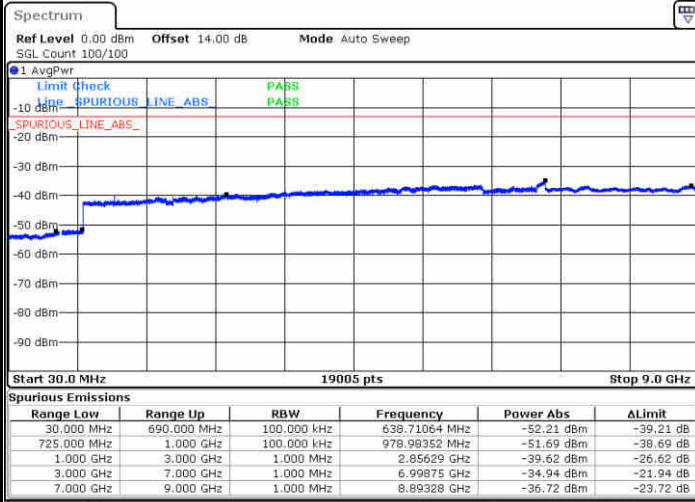
Date: 15. DEC. 2017 15:28:57



LTE Band 12 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

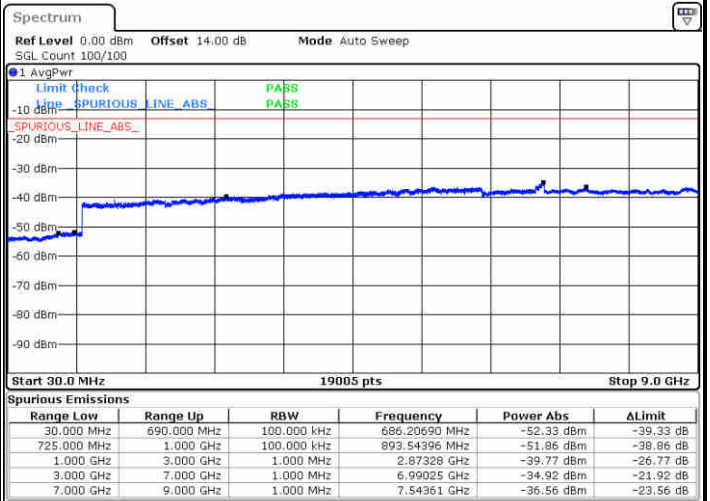
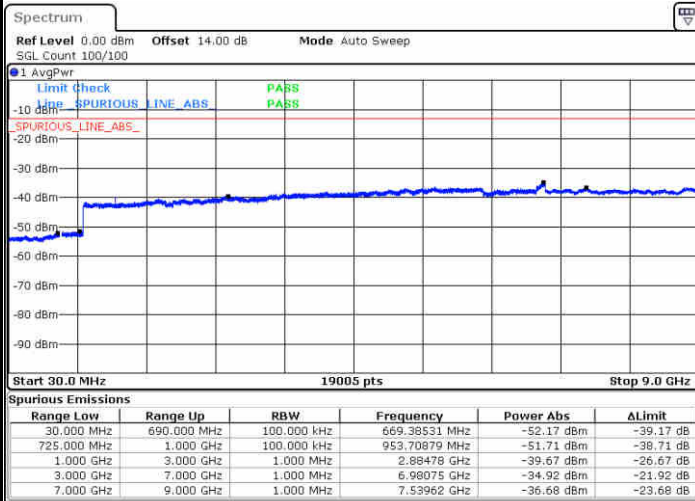


Date: 15. DEC. 2017 15:30:33

Date: 15. DEC. 2017 15:31:29

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 15. DEC. 2017 15:37:41

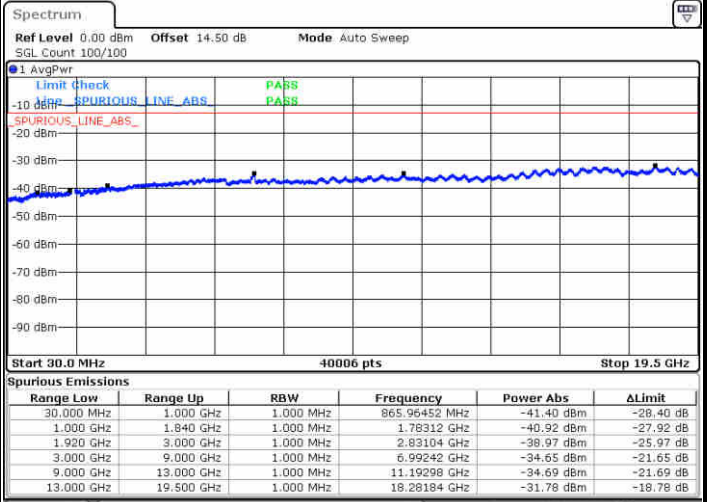
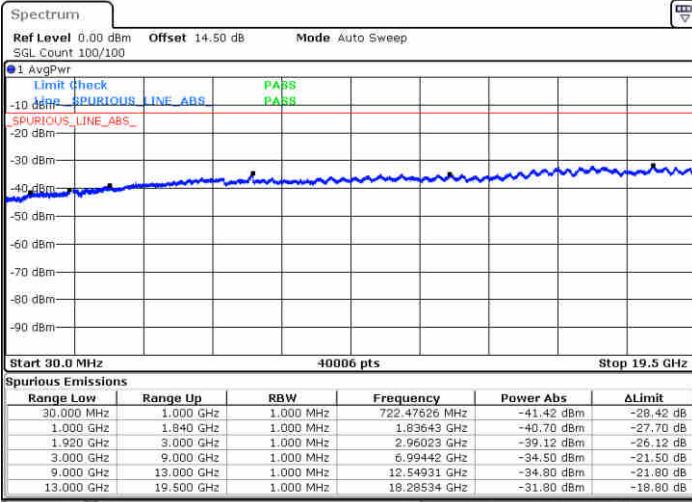
Date: 15. DEC. 2017 15:38:37



LTE Band 25 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

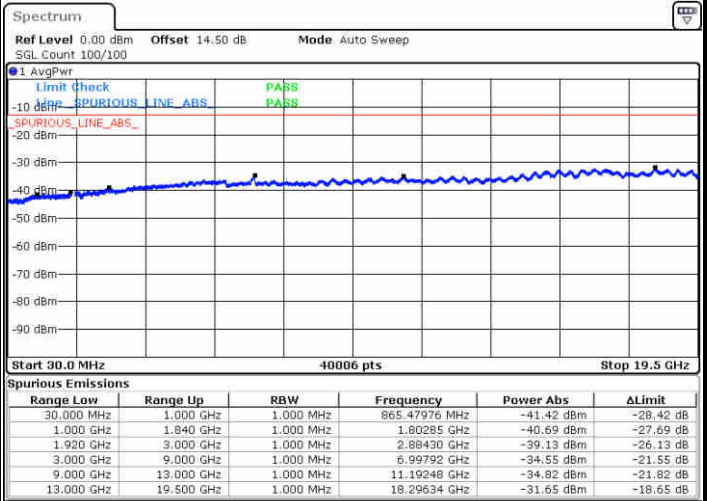
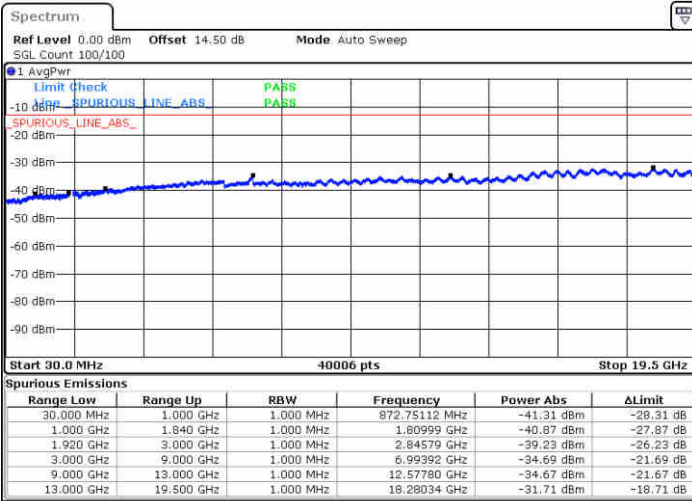


Date: 15. DEC. 2017 19:13:58

Date: 15. DEC. 2017 19:14:54

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 15. DEC. 2017 19:16:31

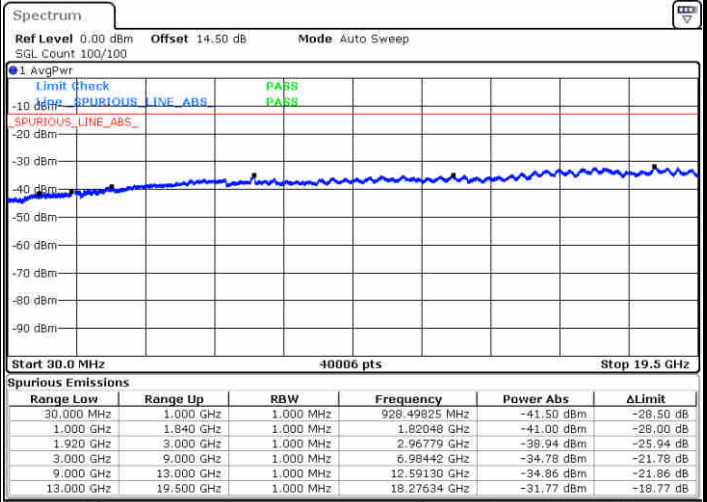
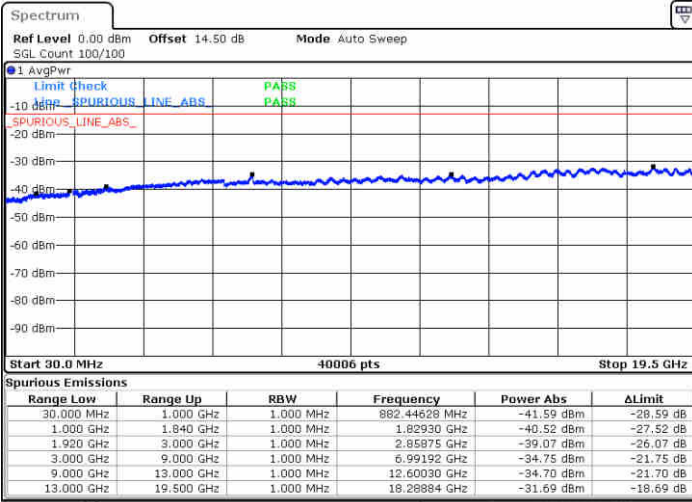
Date: 15. DEC. 2017 19:17:28



LTE Band 25 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



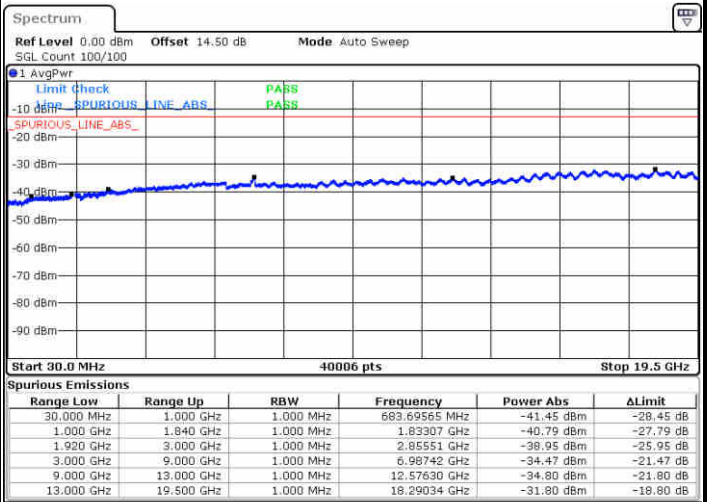
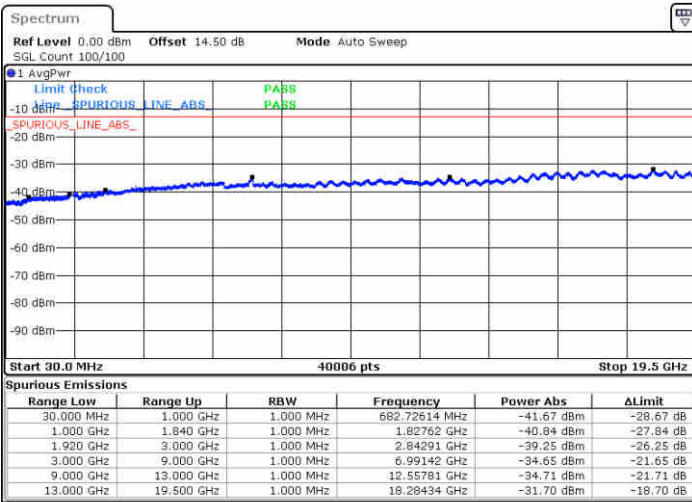
Date: 15. DEC. 2017 19:23:44

Date: 15. DEC. 2017 19:24:40

LTE Band 25 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 15. DEC. 2017 19:26:16

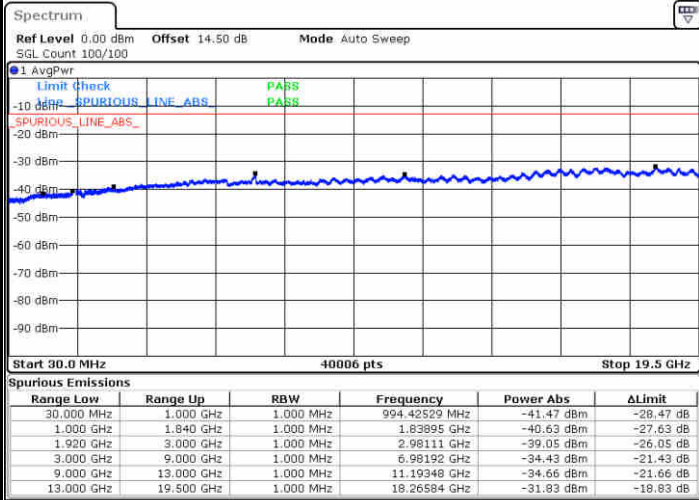
Date: 15. DEC. 2017 19:27:12



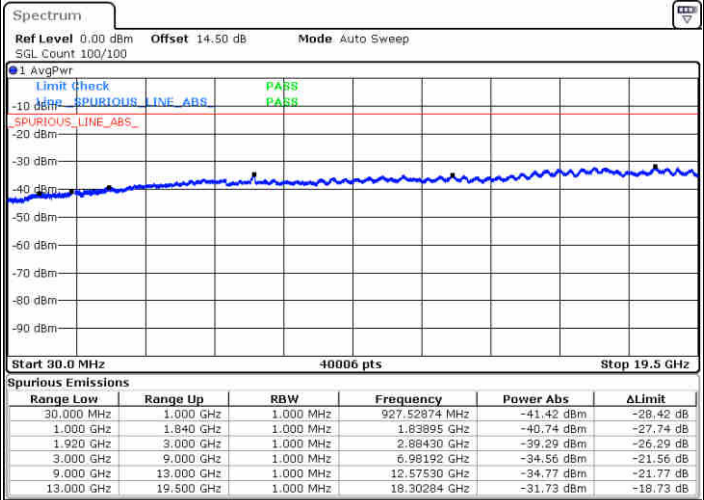
LTE Band 25 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



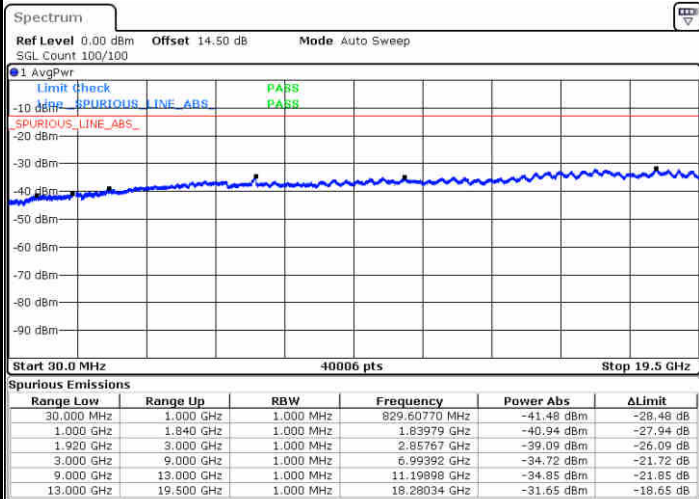
Date: 15. DEC. 2017 19:28:49



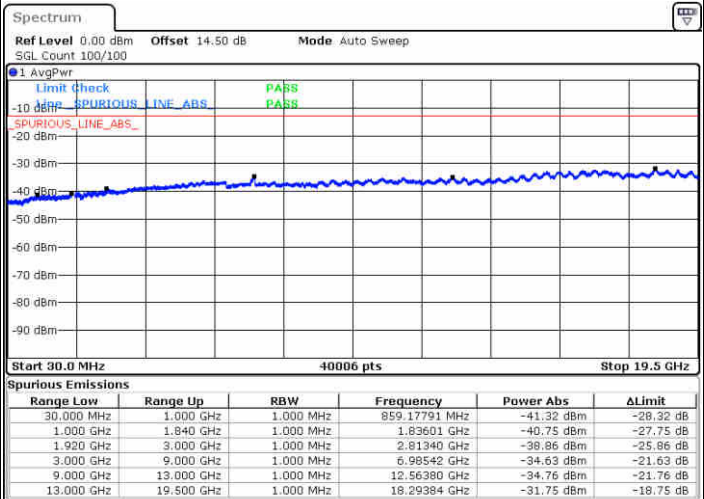
Date: 15. DEC. 2017 19:29:46

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 15. DEC. 2017 19:36:01



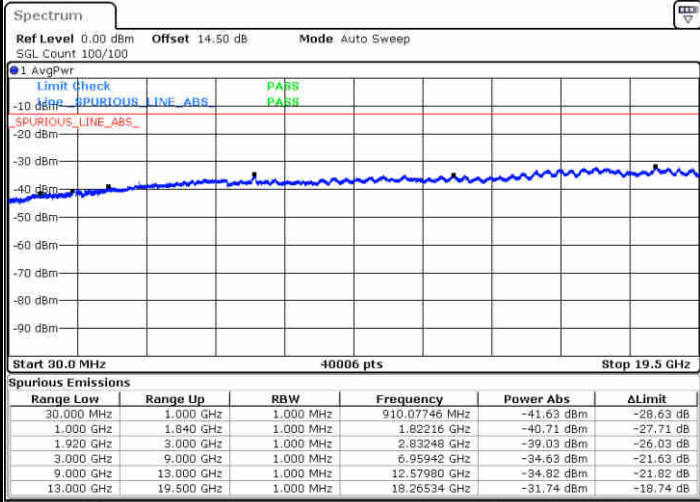
Date: 15. DEC. 2017 19:36:57



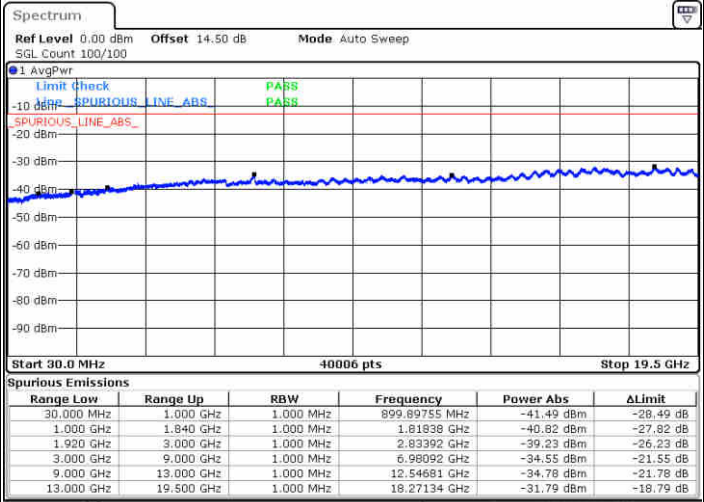
LTE Band 25 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



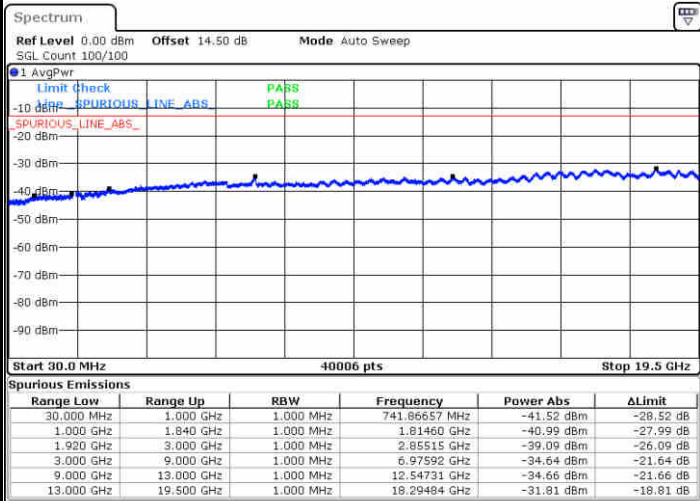
Date: 15. DEC. 2017 19:38:34



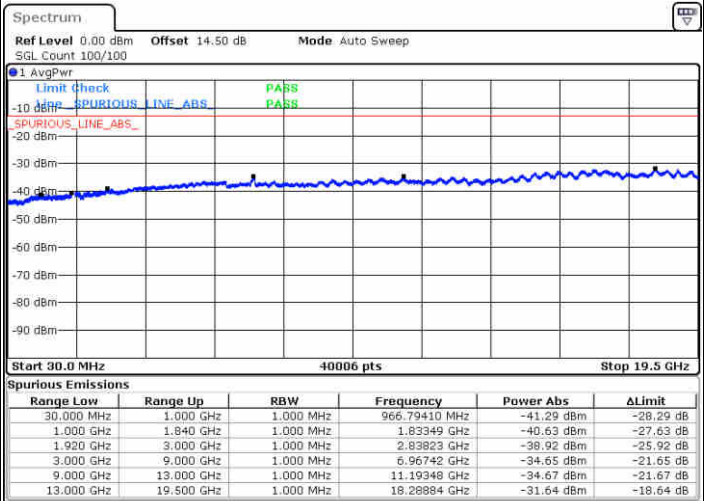
Date: 15. DEC. 2017 19:39:30

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 15. DEC. 2017 19:41:07

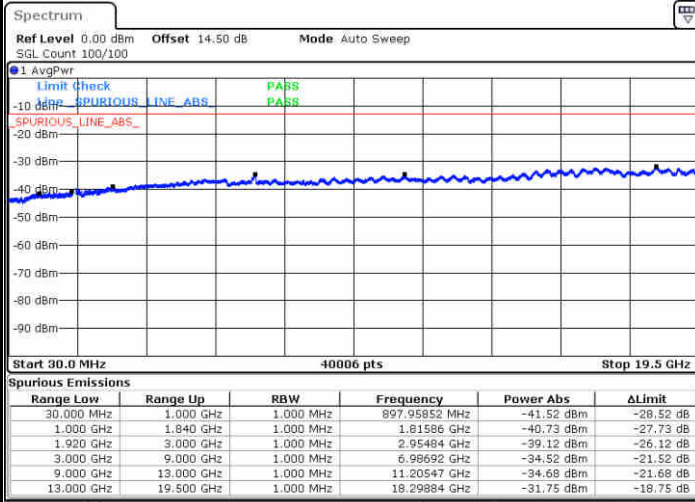


Date: 15. DEC. 2017 19:42:04



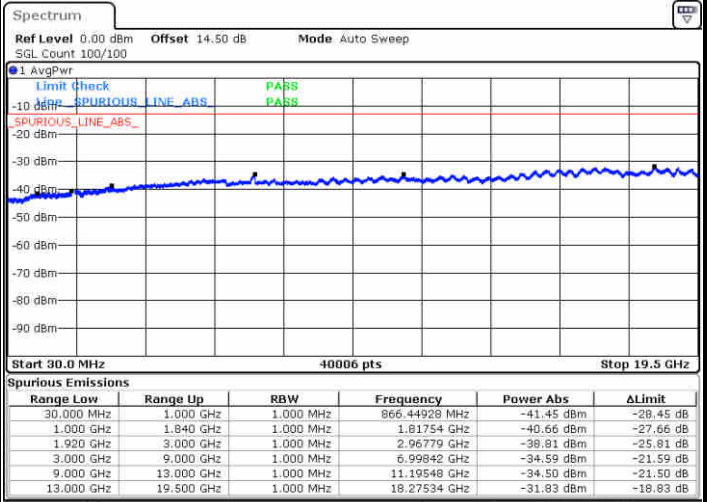
LTE Band 25 / 5MHz

Highest Channel / QPSK



Date: 15.DEC.2017 18:16:46

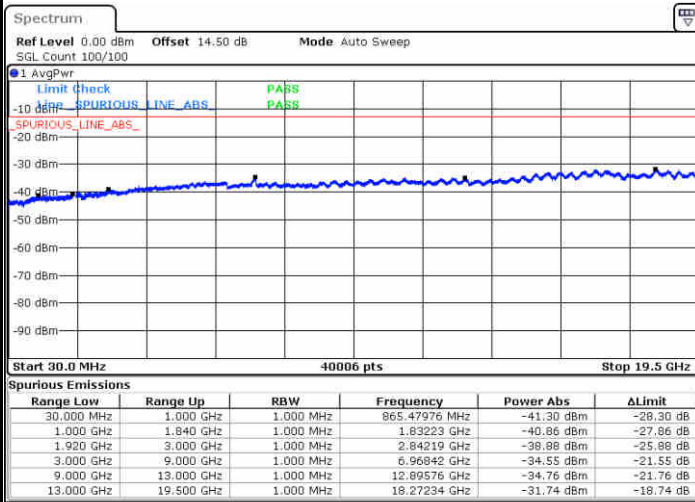
Highest Channel / 16QAM



Date: 15.DEC.2017 18:17:42

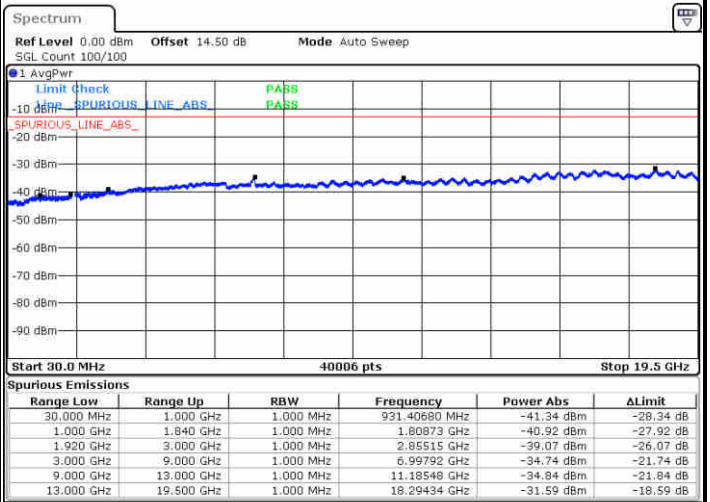
LTE Band 25 / 10MHz

Lowest Channel / QPSK



Date: 15.DEC.2017 18:19:19

Lowest Channel / 16QAM

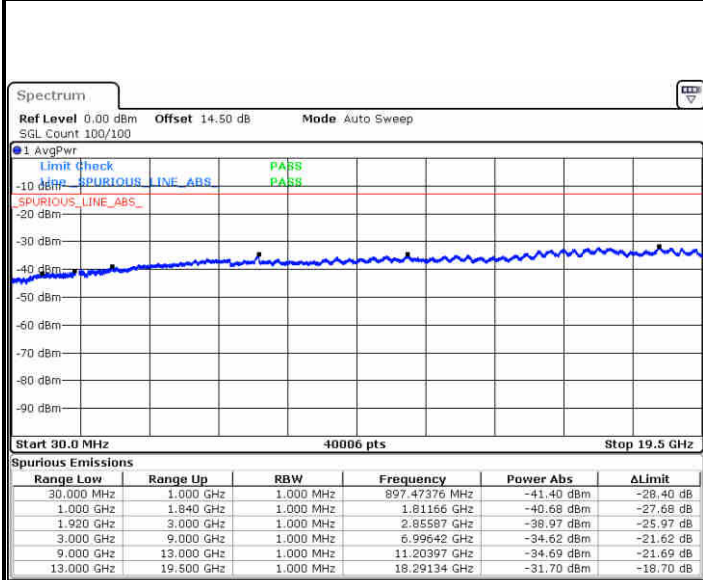


Date: 15.DEC.2017 18:20:15



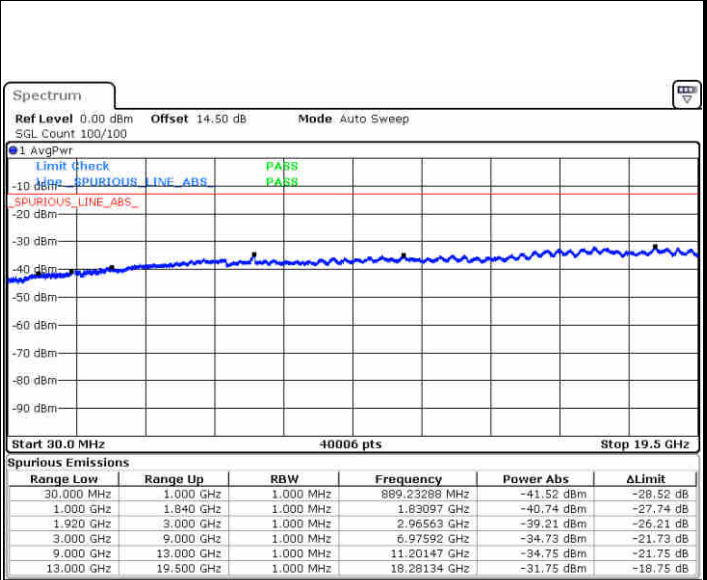
LTE Band 25 / 10MHz

Middle Channel / QPSK



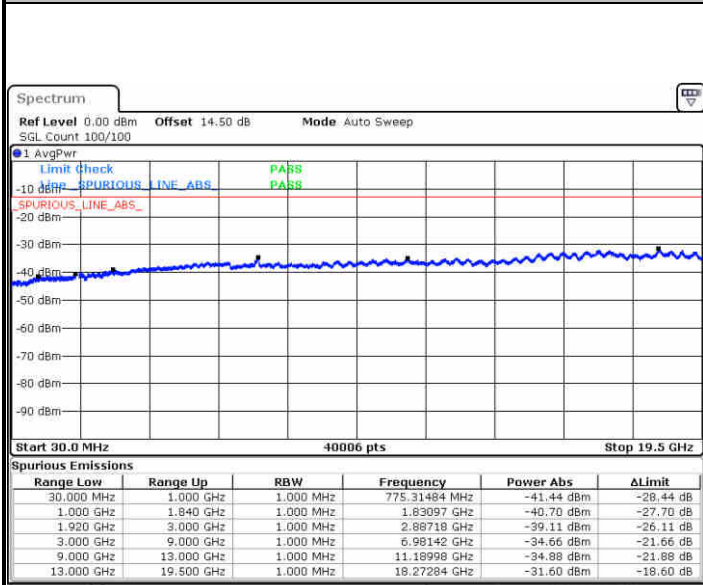
Date: 15. DEC. 2017 18:21:52

Middle Channel / 16QAM



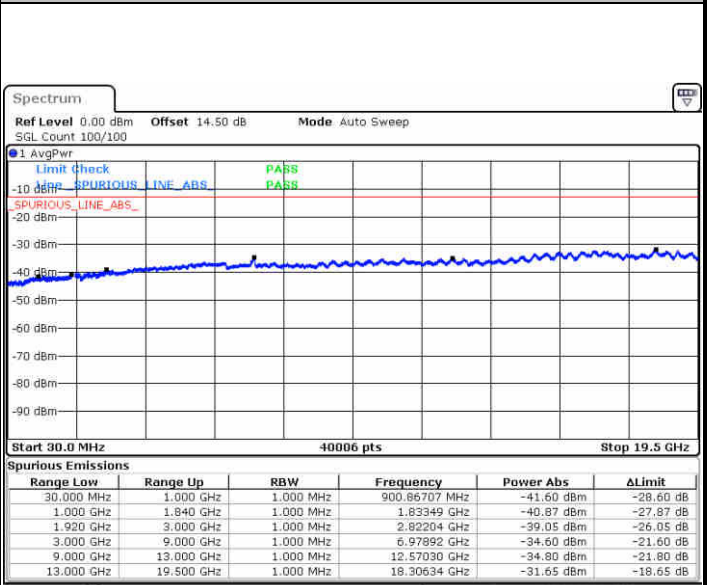
Date: 15. DEC. 2017 18:22:48

Highest Channel / QPSK



Date: 15. DEC. 2017 18:29:04

Highest Channel / 16QAM



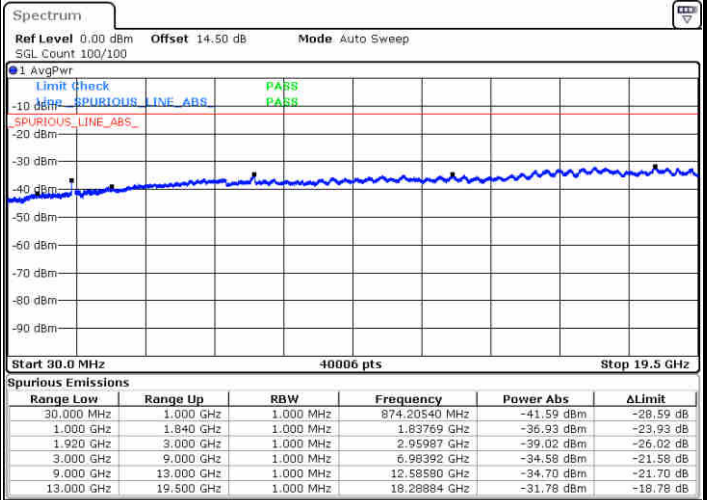
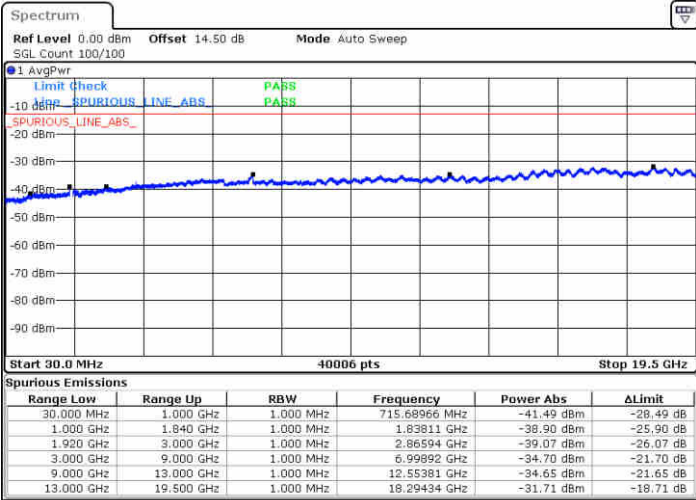
Date: 15. DEC. 2017 18:30:01



LTE Band 25 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

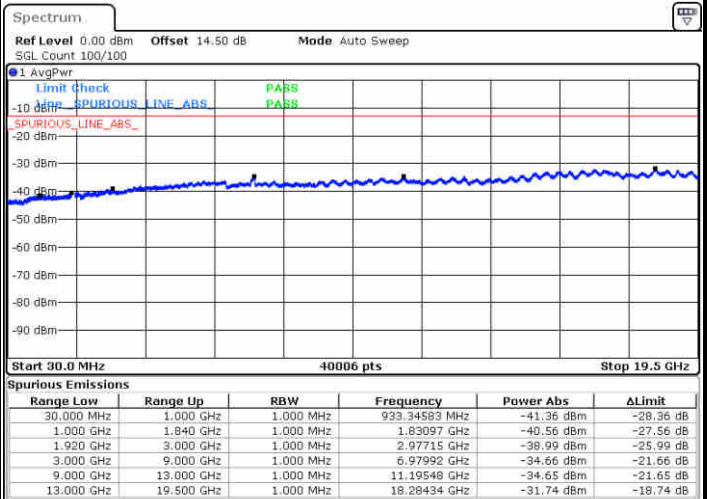
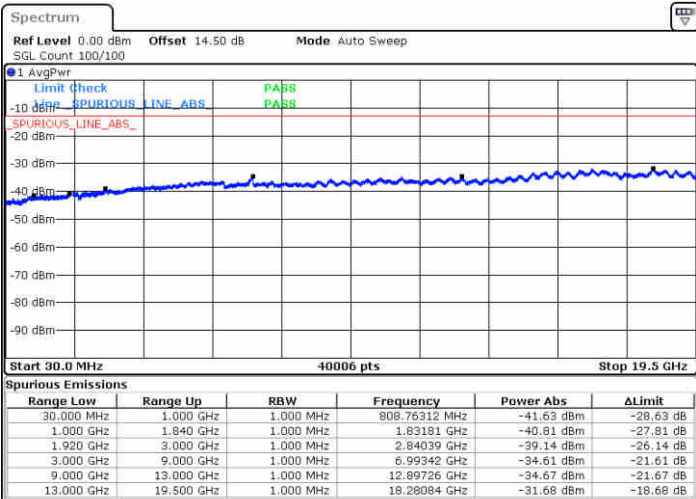


Date: 15.DEC.2017 18:31:37

Date: 15.DEC.2017 18:32:24

Middle Channel / QPSK

Middle Channel / 16QAM



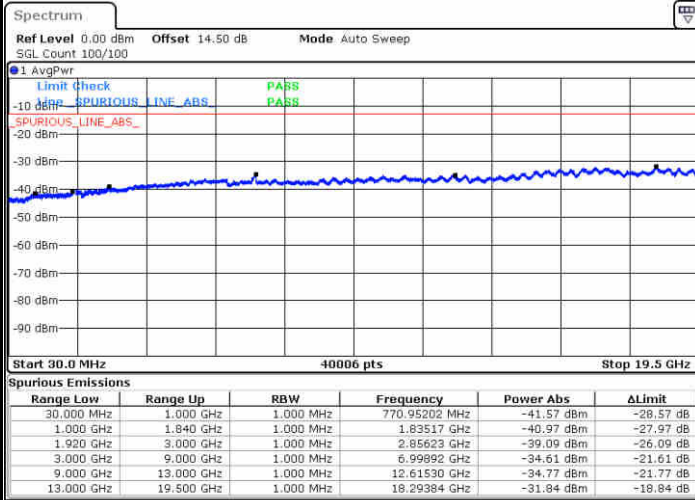
Date: 15.DEC.2017 18:34:10

Date: 15.DEC.2017 18:35:07



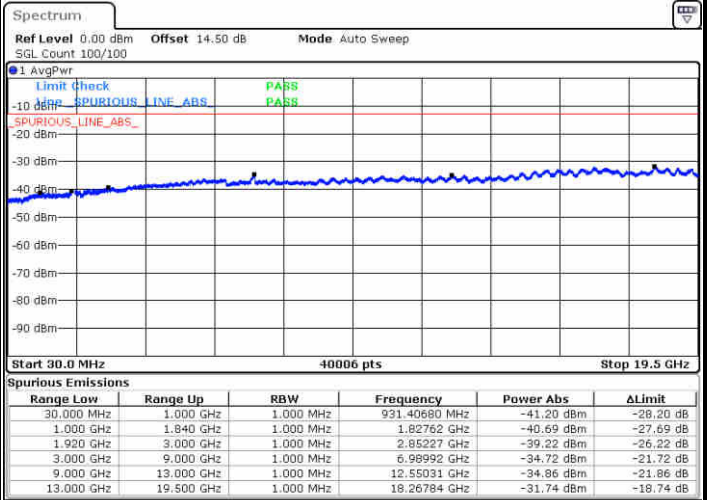
LTE Band 25 / 15MHz

Highest Channel / QPSK



Date: 15. DEC. 2017 18:41:23

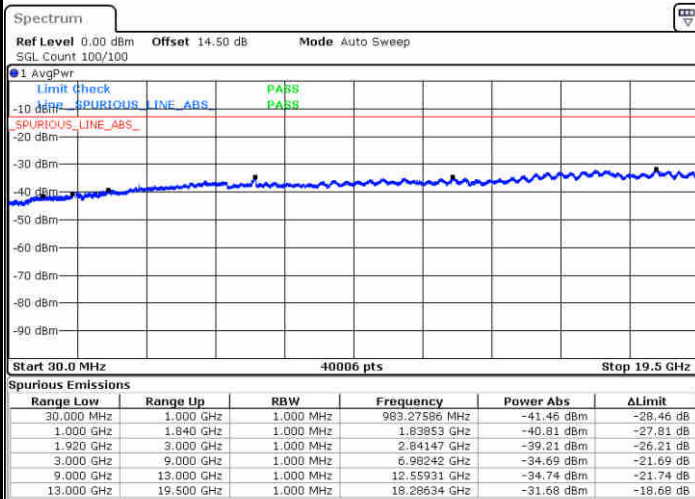
Highest Channel / 16QAM



Date: 15. DEC. 2017 18:42:19

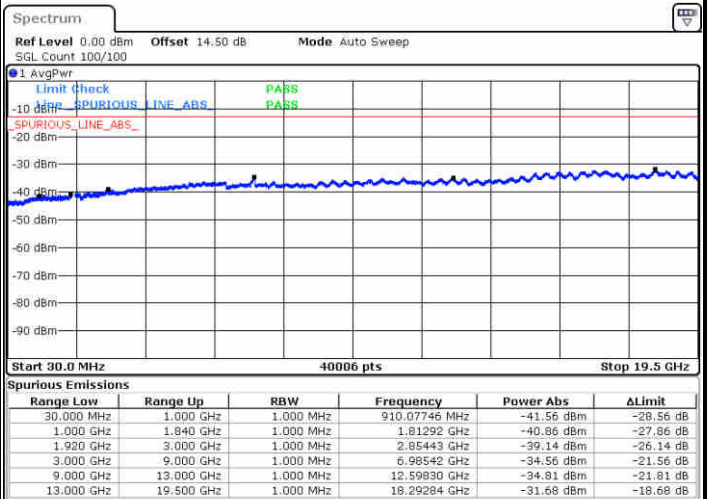
LTE Band 25 / 20MHz

Lowest Channel / QPSK



Date: 15. DEC. 2017 18:43:56

Lowest Channel / 16QAM



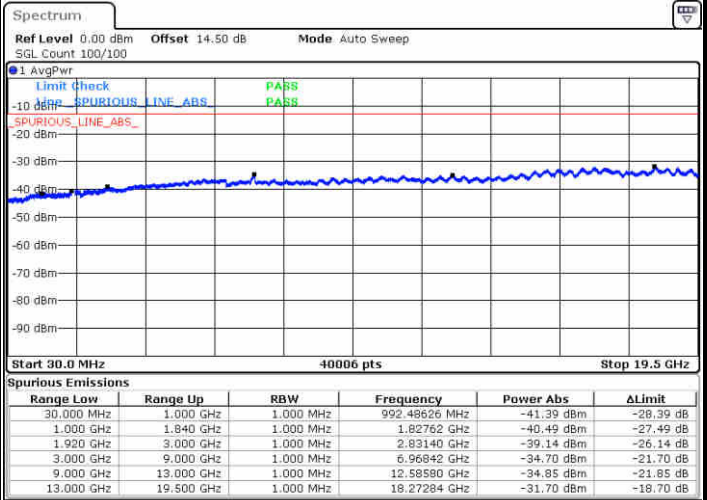
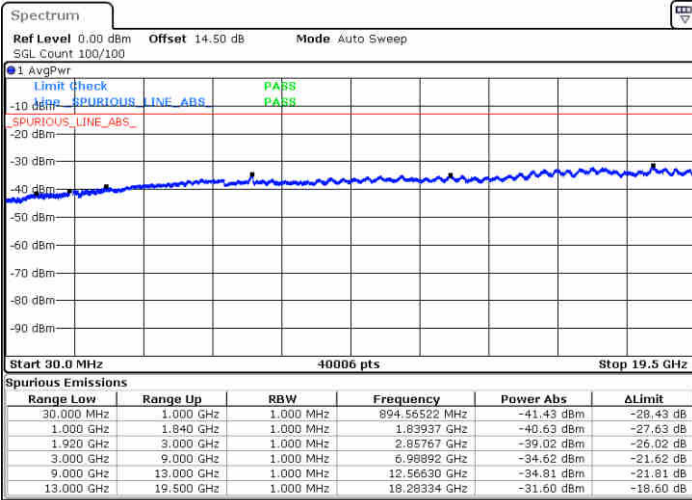
Date: 15. DEC. 2017 18:44:52



LTE Band 25 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

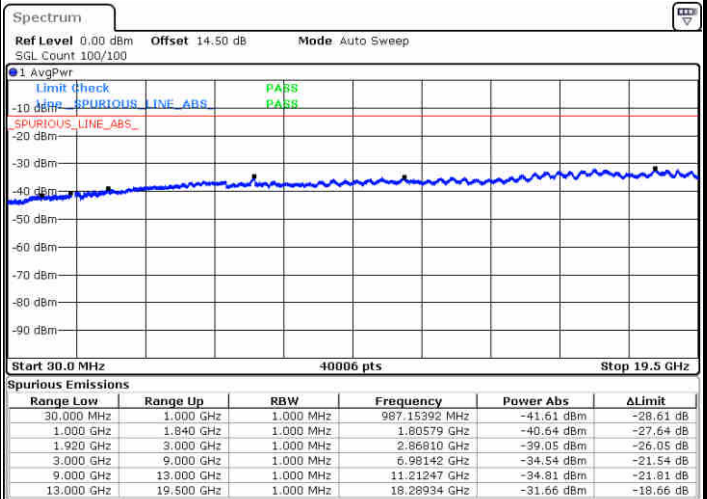
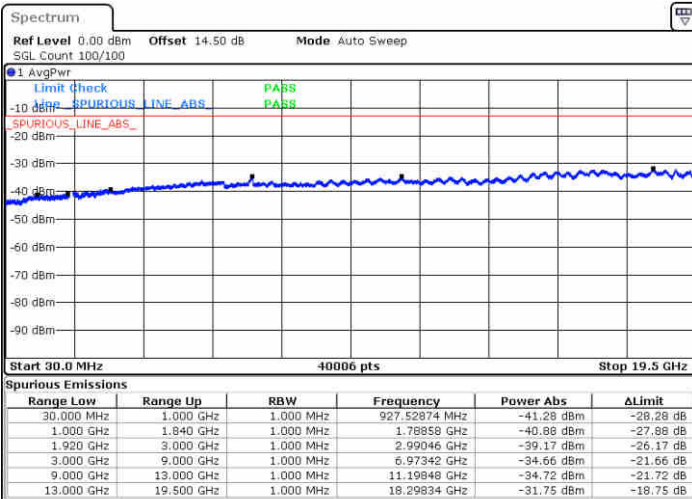


Date: 15. DEC. 2017 18:46:29

Date: 15. DEC. 2017 18:47:26

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 15. DEC. 2017 22:06:27

Date: 15. DEC. 2017 22:07:15



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 | 0.0039 | PASS |
| 40 | Normal Voltage | 0.0035 | |
| 30 | Normal Voltage | 0.0019 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0005 | |
| 0 | Normal Voltage | 0.0015 | |
| -10 | Normal Voltage | 0.0030 | |
| -20 | Normal Voltage | 0.0006 | |
| -30 | Normal Voltage | 0.0030 | |
| 20 | Maximum Voltage | 0.0014 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0001 | |

Note:

1. Normal Voltage =3.7 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



| Test Conditions | | LTE Band 4 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0043 | PASS |
| 40 | Normal Voltage | 0.0003 | |
| 30 | Normal Voltage | 0.0044 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0003 | |
| 0 | Normal Voltage | 0.0002 | |
| -10 | Normal Voltage | 0.0003 | |
| -20 | Normal Voltage | 0.0003 | |
| -30 | Normal Voltage | 0.0002 | |
| 20 | Maximum Voltage | 0.0009 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0003 | |

Note:

1. Normal Voltage =3.7 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



| Test Conditions | | LTE Band 5 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|------------------------------------|--------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | 2.5ppm |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0065 | PASS |
| 40 | Normal Voltage | 0.0027 | |
| 30 | Normal Voltage | 0.0006 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0093 | |
| 0 | Normal Voltage | 0.0092 | |
| -10 | Normal Voltage | 0.0099 | |
| -20 | Normal Voltage | 0.0075 | |
| -30 | Normal Voltage | 0.0051 | |
| 20 | Maximum Voltage | 0.0012 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0016 | |

Note: Normal Voltage =3.7 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.



| Test Conditions | | LTE Band 12 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0086 | PASS |
| 40 | Normal Voltage | 0.0106 | |
| 30 | Normal Voltage | 0.0013 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0008 | |
| 0 | Normal Voltage | 0.0017 | |
| -10 | Normal Voltage | 0.0130 | |
| -20 | Normal Voltage | 0.0103 | |
| -30 | Normal Voltage | 0.0073 | |
| 20 | Maximum Voltage | 0.0021 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0017 | |

Note:

1. Normal Voltage =3.7 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



| Test Conditions | | LTE Band 25 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0015 | PASS |
| 40 | Normal Voltage | 0.0004 | |
| 30 | Normal Voltage | 0.0005 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0073 | |
| 0 | Normal Voltage | 0.0015 | |
| -10 | Normal Voltage | 0.0021 | |
| -20 | Normal Voltage | 0.0005 | |
| -30 | Normal Voltage | 0.0019 | |
| 20 | Maximum Voltage | 0.0010 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0008 | |

Note:

1. Normal Voltage =3.7 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

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 | -49.68 | -13 | -36.68 | -63.30 | -57.28 | 5 | 12.60 | H |
| | 5638.38 | -56.63 | -13 | -43.63 | -73.23 | -62.43 | 7.3 | 13.10 | H |
| | 7517.84 | -59.22 | -13 | -46.22 | -79.20 | -62.79 | 7.73 | 11.30 | H |
| | 3758.92 | -45.77 | -13 | -32.77 | -60.1 | -53.37 | 5 | 12.6 | V |
| | 5638.38 | -56.73 | -13 | -43.73 | -73.26 | -62.53 | 7.3 | 13.1 | V |
| | 7517.84 | -59.55 | -13 | -46.55 | -79.19 | -63.12 | 7.73 | 11.3 | 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 | 3757.48 | -48.84 | -13 | -35.84 | -62.46 | -56.44 | 5 | 12.60 | H |
| | 5636.22 | -56.87 | -13 | -43.87 | -73.47 | -62.67 | 7.3 | 13.10 | H |
| | 7514.96 | -59.30 | -13 | -46.30 | -79.28 | -62.87 | 7.73 | 11.30 | H |
| | 3757.48 | -45.51 | -13 | -32.51 | -59.84 | -53.11 | 5 | 12.6 | V |
| | 5636.22 | -56.96 | -13 | -43.96 | -73.49 | -62.76 | 7.3 | 13.1 | V |
| | 7514.96 | -59.19 | -13 | -46.19 | -78.83 | -62.76 | 7.73 | 11.3 | 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 | -50.17 | -13 | -37.17 | -63.79 | -57.77 | 5 | 12.60 | H |
| | 5633.52 | -58.13 | -13 | -45.13 | -74.73 | -63.93 | 7.3 | 13.10 | H |
| | 7511.36 | -59.16 | -13 | -46.16 | -79.14 | -62.73 | 7.73 | 11.30 | H |
| | 3755.68 | -46.28 | -13 | -33.28 | -60.61 | -53.88 | 5 | 12.6 | V |
| | 5633.52 | -56.71 | -13 | -43.71 | -73.24 | -62.51 | 7.3 | 13.1 | V |
| | 7511.36 | -59.25 | -13 | -46.25 | -78.89 | -62.82 | 7.73 | 11.3 | 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 | -48.65 | -13 | -35.65 | -62.27 | -56.25 | 5 | 12.60 | H |
| | 5626.77 | -58.10 | -13 | -45.10 | -74.70 | -63.90 | 7.3 | 13.10 | H |
| | 7502 | -59.33 | -13 | -46.33 | -79.31 | -62.90 | 7.73 | 11.30 | H |
| | 3751.18 | -44.50 | -13 | -31.50 | -58.83 | -52.10 | 5 | 12.6 | V |
| | 5626.77 | -58.08 | -13 | -45.08 | -74.61 | -63.88 | 7.3 | 13.1 | V |
| | 7502 | -59.51 | -13 | -46.51 | -79.15 | -63.08 | 7.73 | 11.3 | 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 | -49.31 | -13 | -36.31 | -62.93 | -56.91 | 5 | 12.60 | H |
| | 5620.02 | -57.77 | -13 | -44.77 | -74.37 | -63.57 | 7.3 | 13.10 | H |
| | 7493.36 | -59.15 | -13 | -46.15 | -79.13 | -62.72 | 7.73 | 11.30 | H |
| | 3746.68 | -43.73 | -13 | -30.73 | -58.06 | -51.33 | 5 | 12.6 | V |
| | 5620.02 | -57.54 | -13 | -44.54 | -74.07 | -63.34 | 7.3 | 13.1 | V |
| | 7493.36 | -59.59 | -13 | -46.59 | -79.23 | -63.16 | 7.73 | 11.3 | 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 | 3760 | -48.62 | -13 | -35.62 | -62.24 | -56.22 | 5 | 12.60 | H |
| | 5640 | -57.49 | -13 | -44.49 | -74.09 | -63.29 | 7.3 | 13.10 | H |
| | 7520 | -59.27 | -13 | -46.27 | -79.25 | -62.84 | 7.73 | 11.30 | H |
| | 3760 | -43.34 | -13 | -30.34 | -57.67 | -50.94 | 5 | 12.6 | V |
| | 5640 | -57.37 | -13 | -44.37 | -73.9 | -63.17 | 7.3 | 13.1 | V |
| | 7520 | -59.69 | -13 | -46.69 | -79.33 | -63.26 | 7.73 | 11.3 | 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 | 3463.74 | -45.16 | -13 | -32.16 | -58.86 | -53.13 | 4.63 | 12.60 | H |
| | 5195.61 | -51.63 | -13 | -38.63 | -69.56 | -58.08 | 6.25 | 12.70 | H |
| | 6927.48 | -59.58 | -13 | -46.58 | -79.20 | -64.35 | 8.23 | 13.00 | H |
| | 3463.74 | -37.80 | -13 | -24.80 | -52.01 | -45.77 | 4.63 | 12.6 | V |
| | 5195.61 | -55.79 | -13 | -42.79 | -69.4 | -62.24 | 6.25 | 12.7 | V |
| | 6927.48 | -59.87 | -13 | -46.87 | -78.99 | -64.64 | 8.23 | 13 | 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 | -46.92 | -13 | -33.92 | -60.62 | -54.89 | 4.63 | 12.60 | H |
| | 5193.72 | -52.58 | -13 | -39.58 | -70.51 | -59.03 | 6.25 | 12.70 | H |
| | 6924.96 | -59.52 | -13 | -46.52 | -79.14 | -64.29 | 8.23 | 13.00 | H |
| | 3462.48 | -40.00 | -13 | -27.00 | -53.92 | -47.97 | 4.63 | 12.6 | V |
| | 5193.72 | -54.46 | -13 | -41.46 | -68.07 | -60.91 | 6.25 | 12.7 | V |
| | 6924.96 | -60.13 | -13 | -47.13 | -79.25 | -64.90 | 8.23 | 13 | 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 | -46.77 | -13 | -33.77 | -60.47 | -54.74 | 4.63 | 12.60 | H |
| | 5191.02 | -53.37 | -13 | -40.37 | -71.30 | -59.82 | 6.25 | 12.70 | H |
| | 6921.36 | -59.57 | -13 | -46.57 | -79.19 | -64.34 | 8.23 | 13.00 | H |
| | 3460.68 | -39.70 | -13 | -26.70 | -53.64 | -47.67 | 4.63 | 12.6 | V |
| | 5191.02 | -55.23 | -13 | -42.23 | -68.84 | -61.68 | 6.25 | 12.7 | V |
| | 6921.36 | -60.22 | -13 | -47.22 | -79.34 | -64.99 | 8.23 | 13 | 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 | -46.44 | -13 | -33.44 | -60.14 | -54.41 | 4.63 | 12.60 | H |
| | 5184.27 | -53.65 | -13 | -40.65 | -71.58 | -60.10 | 6.25 | 12.70 | H |
| | 6912.36 | -59.56 | -13 | -46.56 | -79.18 | -64.33 | 8.23 | 13.00 | H |
| | 3456.18 | -39.90 | -13 | -26.90 | -53.83 | -47.87 | 4.63 | 12.6 | V |
| | 5184.27 | -56.11 | -13 | -43.11 | -69.72 | -62.56 | 6.25 | 12.7 | V |
| | 6912.36 | -60.14 | -13 | -47.14 | -79.26 | -64.91 | 8.23 | 13 | 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 | -46.71 | -13 | -33.71 | -60.41 | -54.68 | 4.63 | 12.60 | H |
| | 5177.52 | -53.66 | -13 | -40.66 | -71.59 | -60.11 | 6.25 | 12.70 | H |
| | 6903.36 | -59.86 | -13 | -46.86 | -79.48 | -64.63 | 8.23 | 13.00 | H |
| | 3451.68 | -39.66 | -13 | -26.66 | -53.6 | -47.63 | 4.63 | 12.6 | V |
| | 5177.52 | -56.84 | -13 | -43.84 | -70.45 | -63.29 | 6.25 | 12.7 | V |
| | 6903.36 | -60.06 | -13 | -47.06 | -79.18 | -64.83 | 8.23 | 13 | 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 | -46.70 | -13 | -33.70 | -60.40 | -54.67 | 4.63 | 12.60 | H |
| | 5170.77 | -53.25 | -13 | -40.25 | -71.18 | -59.70 | 6.25 | 12.70 | H |
| | 6894.36 | -59.84 | -13 | -46.84 | -79.46 | -64.61 | 8.23 | 13.00 | H |
| | 3447.18 | -39.80 | -13 | -26.80 | -53.73 | -47.77 | 4.63 | 12.6 | V |
| | 5170.77 | -56.70 | -13 | -43.70 | -70.31 | -63.15 | 6.25 | 12.7 | V |
| | 6894.36 | -60.22 | -13 | -47.22 | -79.34 | -64.99 | 8.23 | 13 | V |

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



| LTE Band 5 / 1.4MHz / 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 | 1671.74 | -67.76 | -13 | -54.76 | -73.32 | -72.17 | 2.84 | 9.40 | H |
| | 2507.61 | -65.24 | -13 | -52.24 | -75.66 | -69.99 | 3.70 | 10.60 | H |
| | 3343.48 | -63.64 | -13 | -50.64 | -78.40 | -69.70 | 4.37 | 12.58 | H |
| | 1671.74 | -68.74 | -13 | -55.74 | -73.45 | -73.15 | 2.84 | 9.40 | V |
| | 2507.61 | -67.19 | -13 | -54.19 | -77.02 | -71.94 | 3.70 | 10.60 | V |
| | 3343.48 | -64.94 | -13 | -51.94 | -78.51 | -71.00 | 4.37 | 12.58 | V |

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

| LTE Band 5 / 3MHz / 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 | 1670.3 | -68.27 | -13 | -55.27 | -73.83 | -72.68 | 2.84 | 9.40 | H |
| | 2505.45 | -64.92 | -13 | -51.92 | -75.34 | -69.67 | 3.70 | 10.60 | H |
| | 3340.6 | -63.58 | -13 | -50.58 | -78.34 | -69.64 | 4.37 | 12.58 | H |
| | 1670.3 | -67.70 | -13 | -54.70 | -72.41 | -72.11 | 2.84 | 9.40 | V |
| | 2505.45 | -66.98 | -13 | -53.98 | -76.81 | -71.73 | 3.70 | 10.60 | V |
| | 3340.6 | -64.61 | -13 | -51.61 | -78.18 | -70.67 | 4.37 | 12.58 | V |

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

| LTE Band 5 / 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 | 1668.5 | -67.07 | -13 | -54.07 | -72.63 | -71.48 | 2.84 | 9.40 | H |
| | 2502.75 | -65.62 | -13 | -52.62 | -76.04 | -70.37 | 3.70 | 10.60 | H |
| | 3337 | -63.73 | -13 | -50.73 | -78.49 | -69.79 | 4.37 | 12.58 | H |
| | 1668.5 | -65.95 | -13 | -52.95 | -70.66 | -70.36 | 2.84 | 9.40 | V |
| | 2502.75 | -66.95 | -13 | -53.95 | -76.78 | -71.70 | 3.70 | 10.60 | V |
| | 3337 | -65.08 | -13 | -52.08 | -78.65 | -71.14 | 4.37 | 12.58 | V |

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



| LTE Band 5 / 10MHz / 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 | 1664 | -63.38 | -13 | -50.38 | -68.94 | -67.79 | 2.84 | 9.40 | H |
| | 2496 | -66.37 | -13 | -53.37 | -76.79 | -71.12 | 3.70 | 10.60 | H |
| | 3328 | -63.43 | -13 | -50.43 | -78.19 | -69.49 | 4.37 | 12.58 | H |
| | 1664 | -64.83 | -13 | -51.83 | -69.54 | -69.24 | 2.84 | 9.40 | V |
| | 2496 | -66.90 | -13 | -53.90 | -76.73 | -71.65 | 3.70 | 10.60 | V |
| | 3328 | -64.57 | -13 | -51.57 | -78.14 | -70.63 | 4.37 | 12.58 | V |

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

| LTE Band 12 / 1.4MHz / 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 | 1413.74 | -53.50 | -13 | -40.50 | -59.26 | -57.89 | 2.84 | 9.38 | H |
| | 2120.61 | -59.75 | -13 | -46.75 | -70.17 | -64.48 | 3.70 | 10.58 | H |
| | 2827.48 | -61.79 | -13 | -48.79 | -76.55 | -67.84 | 4.37 | 12.57 | H |
| | 1413.74 | -65.23 | -13 | -52.23 | -69.94 | -69.62 | 2.84 | 9.38 | V |
| | 2120.61 | -63.71 | -13 | -50.71 | -73.54 | -68.44 | 3.70 | 10.58 | V |
| | 2827.48 | -63.34 | -13 | -50.34 | -76.91 | -69.39 | 4.37 | 12.57 | V |

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

| LTE Band 12 / 3MHz / 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 | 1412.3 | -51.97 | -13 | -38.97 | -58.51 | -56.36 | 2.84 | 9.38 | H |
| | 2118.45 | -61.65 | -13 | -48.65 | -72.07 | -66.38 | 3.70 | 10.58 | H |
| | 2824.6 | -61.99 | -13 | -48.99 | -76.75 | -68.04 | 4.37 | 12.57 | H |
| | 1412.3 | -65.52 | -13 | -52.52 | -70.23 | -69.91 | 2.84 | 9.38 | V |
| | 2118.45 | -65.73 | -13 | -52.73 | -75.56 | -70.46 | 3.70 | 10.58 | V |
| | 2824.6 | -62.97 | -13 | -49.97 | -76.54 | -69.02 | 4.37 | 12.57 | V |

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



| LTE Band 12 / 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 | 1410.5 | -54.06 | -13 | -41.06 | -59.62 | -58.45 | 2.84 | 9.38 | H |
| | 2115.75 | -59.58 | -13 | -46.58 | -70.00 | -64.31 | 3.70 | 10.58 | H |
| | 2821 | -61.97 | -13 | -48.97 | -76.73 | -68.02 | 4.37 | 12.57 | H |
| | 1410.5 | -66.62 | -13 | -53.62 | -71.33 | -71.01 | 2.84 | 9.38 | V |
| | 2115.75 | -64.15 | -13 | -51.15 | -73.98 | -68.88 | 3.70 | 10.58 | V |
| | 2821 | -63.06 | -13 | -50.06 | -76.63 | -69.11 | 4.37 | 12.57 | V |

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

| LTE Band 12 / 10MHz / 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 | 1406 | -51.38 | -13 | -38.38 | -58.23 | -55.77 | 2.84 | 9.38 | H |
| | 2109 | -60.30 | -13 | -47.30 | -70.72 | -65.03 | 3.70 | 10.58 | H |
| | 2812 | -62.03 | -13 | -49.03 | -76.79 | -68.08 | 4.37 | 12.57 | H |
| | 1406 | -66.00 | -13 | -53.00 | -70.71 | -70.39 | 2.84 | 9.38 | V |
| | 2109 | -65.36 | -13 | -52.36 | -75.19 | -70.09 | 3.70 | 10.58 | V |
| | 2812 | -63.15 | -13 | -50.15 | -76.72 | -69.20 | 4.37 | 12.57 | V |

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

| LTE Band 25 / 1.4MHz / QPSK | | | | | | | | | |
|-----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | 3763.74 | -42.56 | -13 | -29.56 | -56.18 | -50.16 | 5.00 | 12.60 | H |
| | 5645.61 | -61.06 | -13 | -48.06 | -77.66 | -66.86 | 7.30 | 13.10 | H |
| | 7527.48 | -58.67 | -13 | -45.67 | -78.65 | -62.24 | 7.73 | 11.30 | H |
| | 3763.74 | -44.63 | -13 | -31.63 | -58.96 | -52.23 | 5.00 | 12.60 | V |
| | 5645.61 | -59.25 | -13 | -46.25 | -75.78 | -65.05 | 7.30 | 13.10 | V |
| | 7527.48 | -58.62 | -13 | -45.62 | -78.26 | -62.19 | 7.73 | 11.30 | V |

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



| LTE Band 25 / 3MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | 3762.3 | -43.88 | -13 | -30.88 | -57.50 | -51.48 | 5.00 | 12.60 | H |
| | 5643.45 | -59.80 | -13 | -46.80 | -76.40 | -65.60 | 7.30 | 13.10 | H |
| | 7524.6 | -58.58 | -13 | -45.58 | -78.56 | -62.15 | 7.73 | 11.30 | H |
| | 3762.3 | -45.71 | -13 | -32.71 | -60.04 | -53.31 | 5.00 | 12.60 | V |
| | 5643.45 | -58.65 | -13 | -45.65 | -75.18 | -64.45 | 7.30 | 13.10 | V |
| | 7524.6 | -59.03 | -13 | -46.03 | -78.67 | -62.60 | 7.73 | 11.30 | V |

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

| LTE Band 25 / 5MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | 3760.5 | -46.24 | -13 | -33.24 | -59.86 | -53.84 | 5.00 | 12.60 | H |
| | 5640.75 | -60.05 | -13 | -47.05 | -76.65 | -65.85 | 7.30 | 13.10 | H |
| | 7521 | -57.55 | -13 | -44.55 | -77.53 | -61.12 | 7.73 | 11.30 | H |
| | 3760.5 | -45.49 | -13 | -32.49 | -59.82 | -53.09 | 5.00 | 12.60 | V |
| | 5640.75 | -56.93 | -13 | -43.93 | -73.46 | -62.73 | 7.30 | 13.10 | V |
| | 7521 | -57.90 | -13 | -44.90 | -77.54 | -61.47 | 7.73 | 11.30 | V |

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

| LTE Band 25 / 10MHz / QPSK | | | | | | | | | |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | 3756 | -50.03 | -13 | -37.03 | -63.65 | -57.63 | 5.00 | 12.60 | H |
| | 5634 | -56.50 | -13 | -43.50 | -73.10 | -62.30 | 7.30 | 13.10 | H |
| | 7512 | -58.48 | -13 | -45.48 | -78.46 | -62.05 | 7.73 | 11.30 | H |
| | 3756 | -41.43 | -13 | -28.43 | -56.09 | -49.03 | 5.00 | 12.60 | V |
| | 5634 | -55.18 | -13 | -42.18 | -71.71 | -60.98 | 7.30 | 13.10 | V |
| | 7512 | -59.18 | -13 | -46.18 | -78.82 | -62.75 | 7.73 | 11.30 | V |

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



| LTE Band 25 / 15MHz / QPSK | | | | | | | | | |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | 3751.5 | -49.76 | -13 | -36.76 | -63.38 | -57.36 | 5.00 | 12.60 | H |
| | 5627.25 | -54.99 | -13 | -41.99 | -71.59 | -60.79 | 7.30 | 13.10 | H |
| | 7503 | -58.95 | -13 | -45.95 | -78.93 | -62.52 | 7.73 | 11.30 | H |
| | 3751.5 | -41.45 | -13 | -28.45 | -56.1 | -49.05 | 5.00 | 12.60 | V |
| | 5627.25 | -53.72 | -13 | -40.72 | -70.25 | -59.52 | 7.30 | 13.10 | V |
| | 7503 | -59.31 | -13 | -46.31 | -78.95 | -62.88 | 7.73 | 11.30 | V |

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

| LTE Band 25 / 20MHz / QPSK | | | | | | | | | |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | 3747 | -49.55 | -13 | -36.55 | -63.17 | -57.15 | 5.00 | 12.60 | H |
| | 5620.5 | -55.21 | -13 | -42.21 | -71.81 | -61.01 | 7.30 | 13.10 | H |
| | 7494 | -59.04 | -13 | -46.04 | -79.02 | -62.61 | 7.73 | 11.30 | H |
| | 3747 | -41.00 | -13 | -28.00 | -55.91 | -48.60 | 5.00 | 12.60 | V |
| | 5620.5 | -56.23 | -13 | -43.23 | -72.76 | -62.03 | 7.30 | 13.10 | V |
| | 7494 | -59.38 | -13 | -46.38 | -79.02 | -62.95 | 7.73 | 11.30 | V |

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