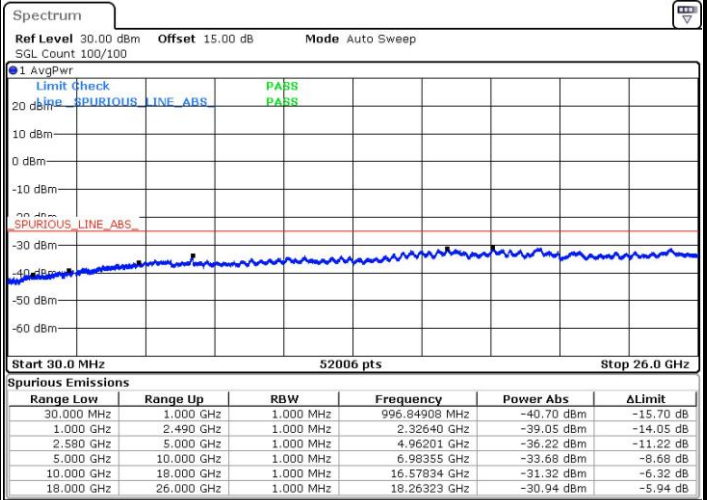
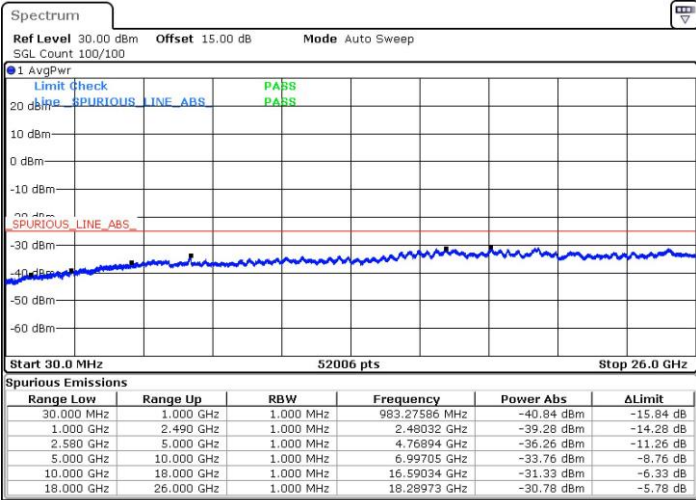




LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

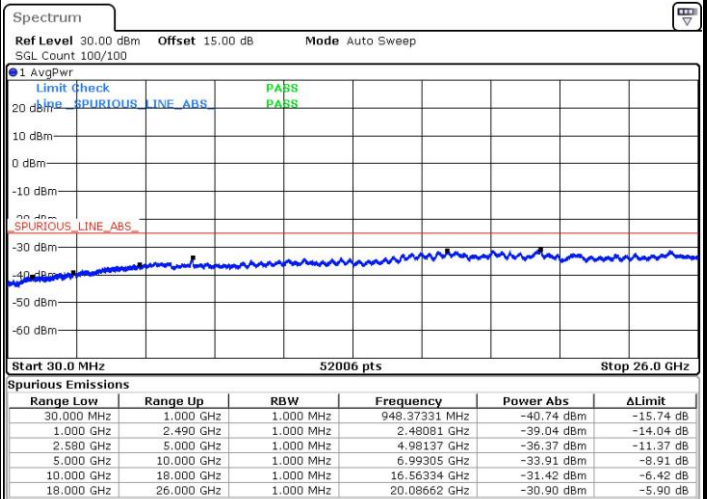
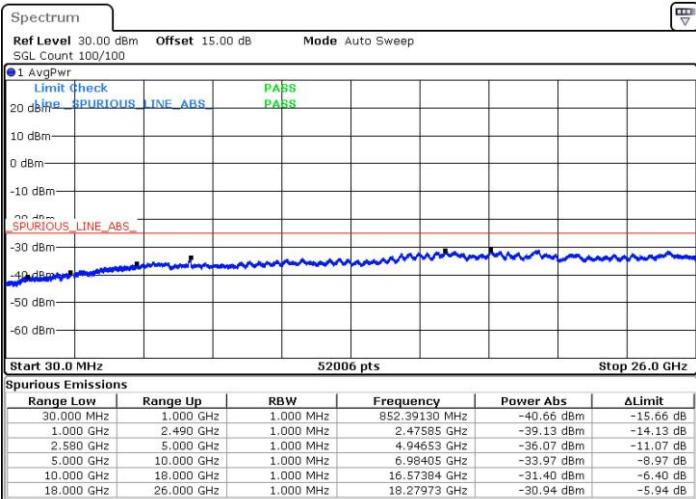


Date: 30 JUN.2017 14:40:42

Date: 30 JUN.2017 14:41:37

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 30 JUN.2017 14:47:55

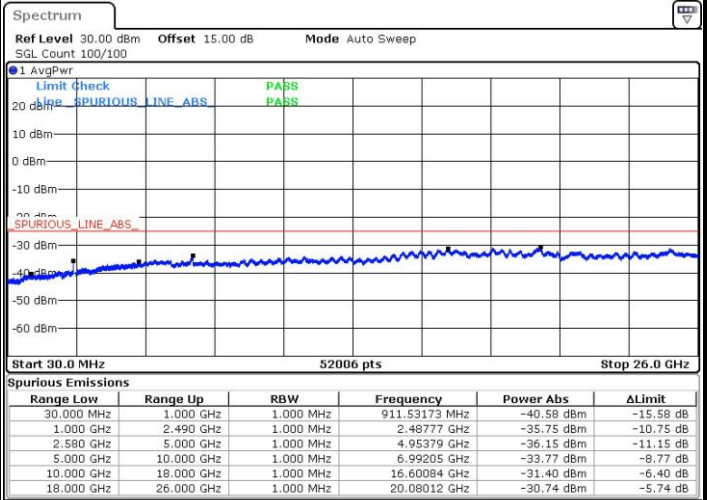
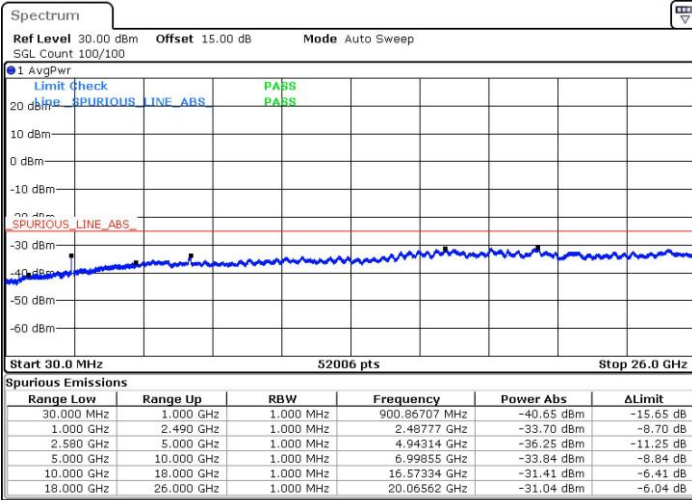
Date: 30 JUN.2017 14:48:49



LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

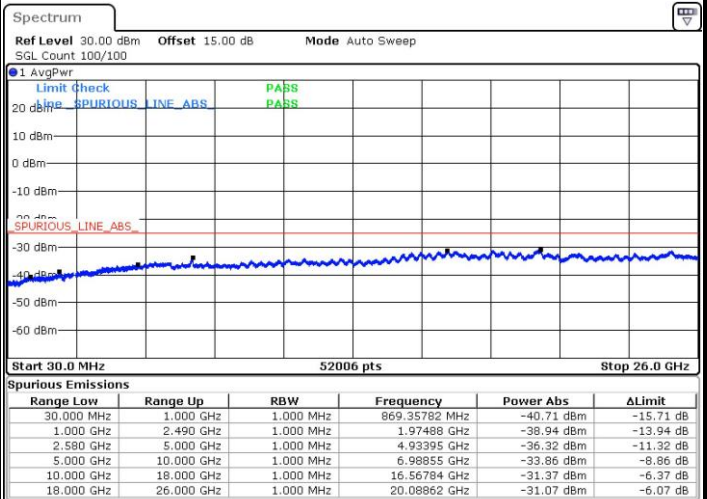
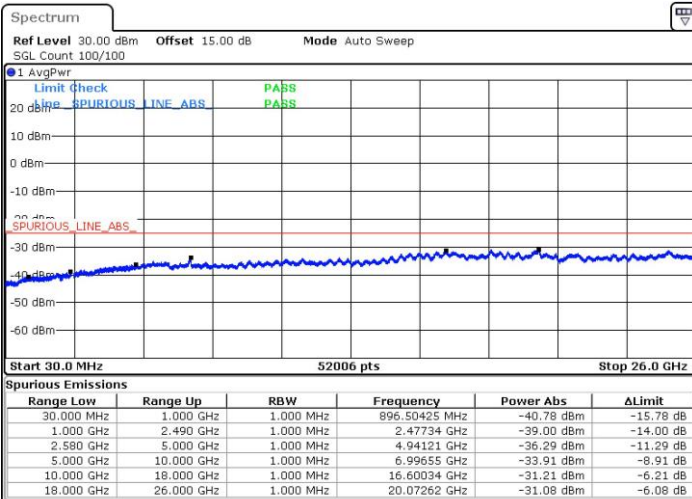


Date: 30 JUN.2017 14:55:05

Date: 30 JUN.2017 14:55:59

Middle Channel / QPSK

Middle Channel / 16QAM



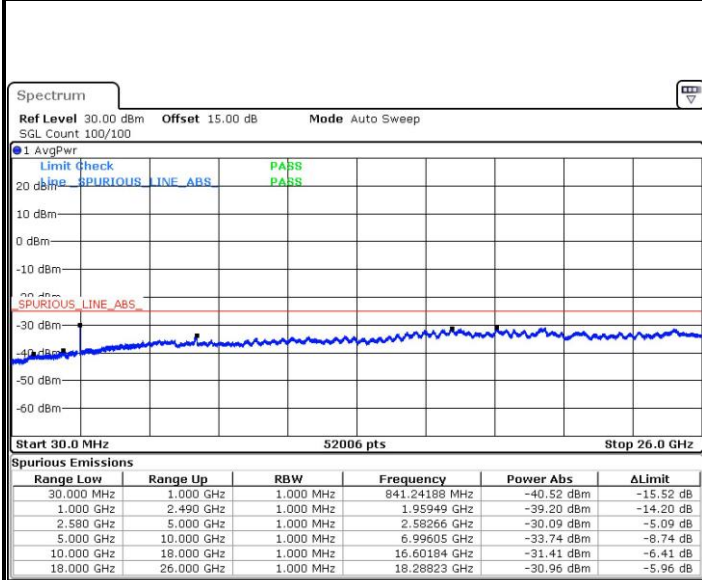
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Date: 30 JUN.2017 14:58:30



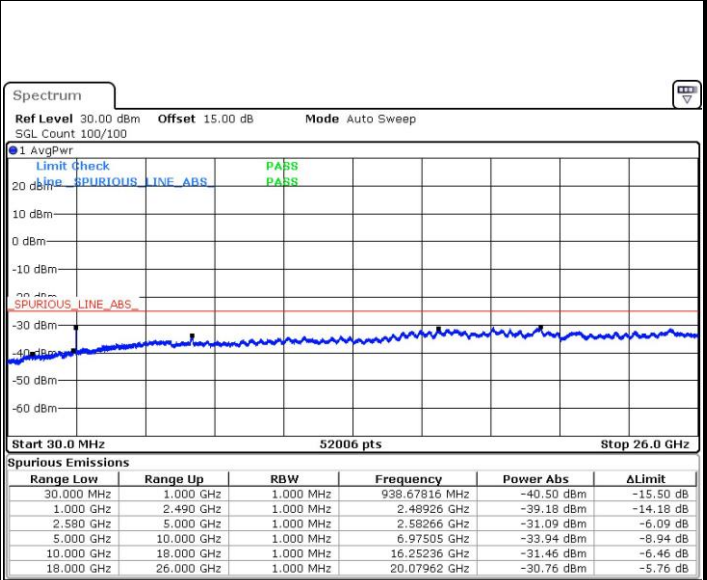
LTE Band 7 / 15MHz

Highest Channel / QPSK



Date: 30 JUN.2017 15:04:49

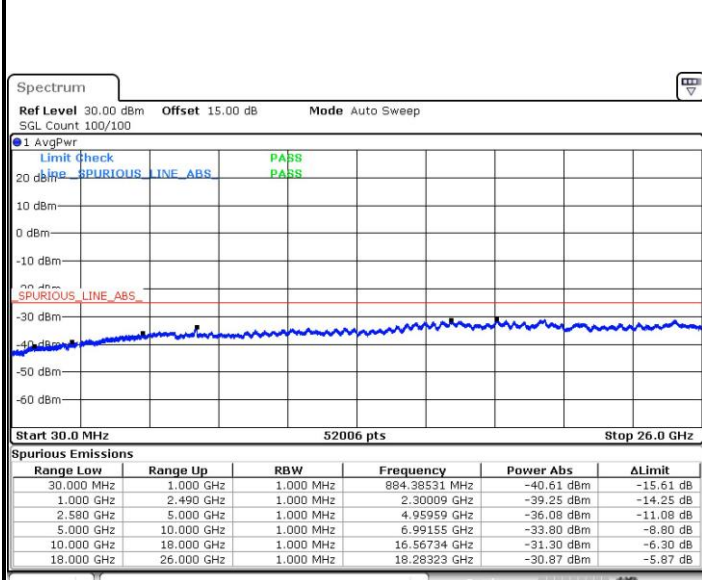
Highest Channel / 16QAM



Date: 30 JUN.2017 15:05:42

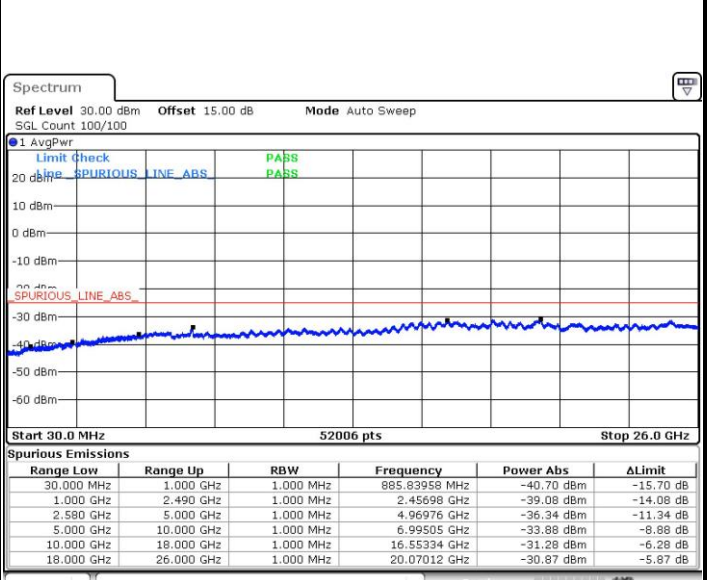
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 30 JUN.2017 15:11:58

Lowest Channel / 16QAM



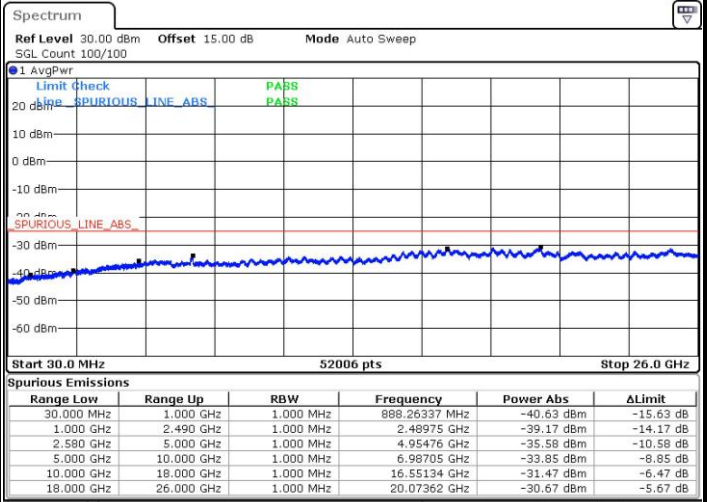
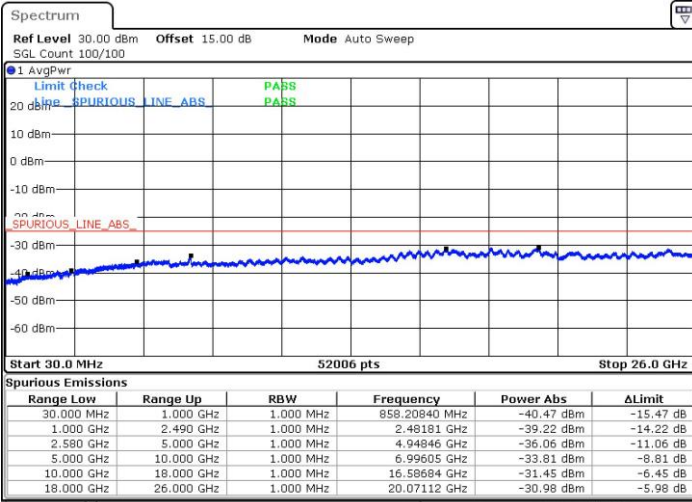
Date: 30 JUN.2017 15:12:52



LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

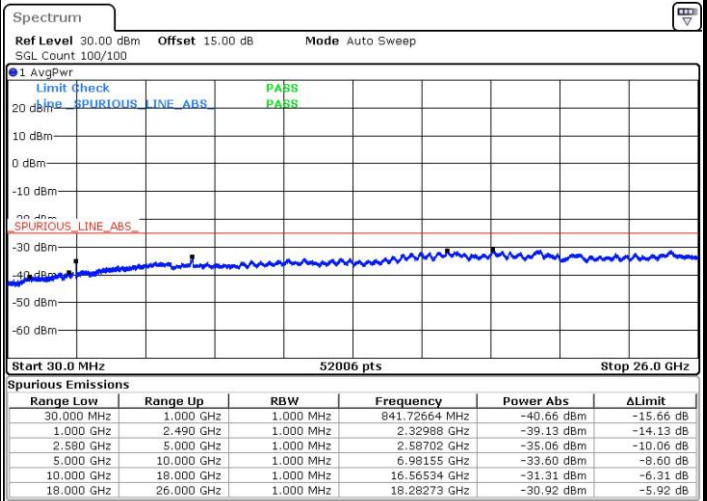
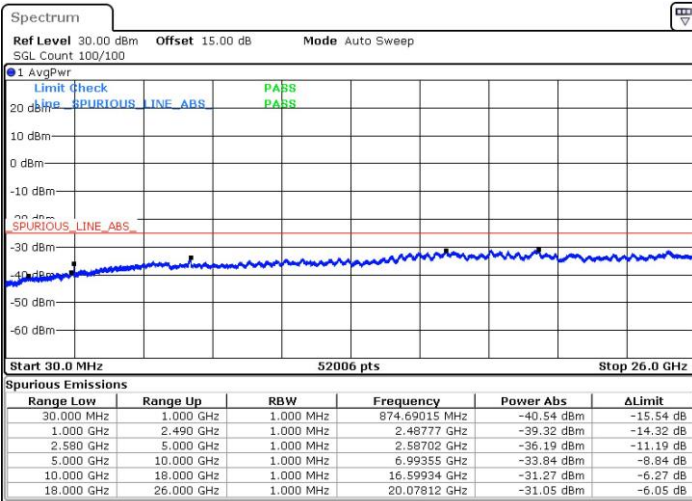


Date: 30 JUN.2017 15:14:29

Date: 30 JUN.2017 15:15:23

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 30 JUN.2017 15:21:42

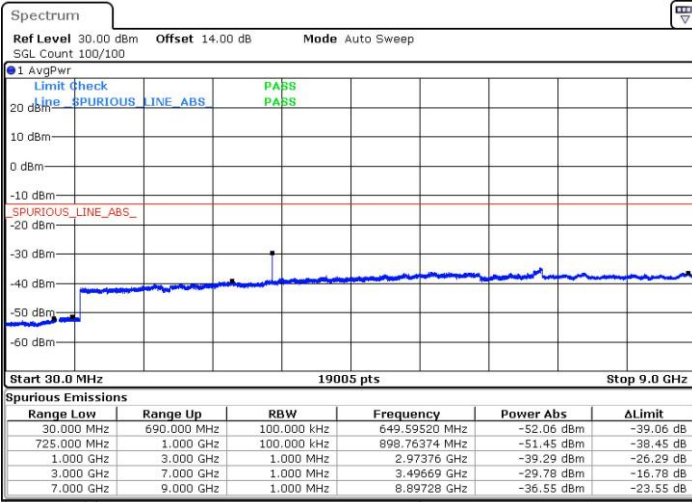
Date: 30 JUN.2017 15:22:35



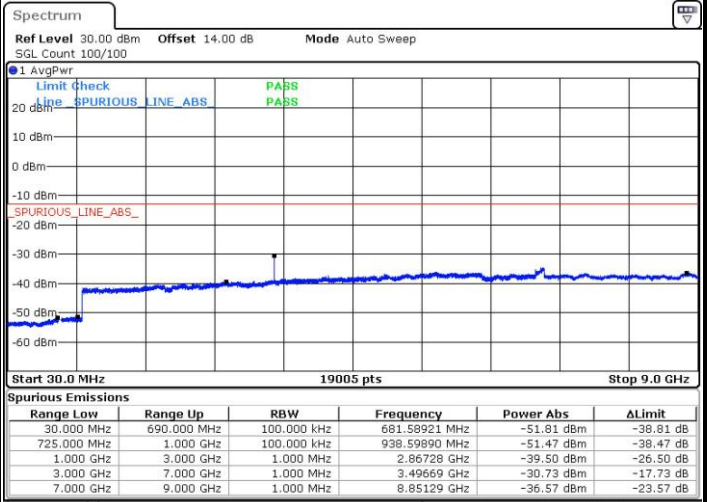
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



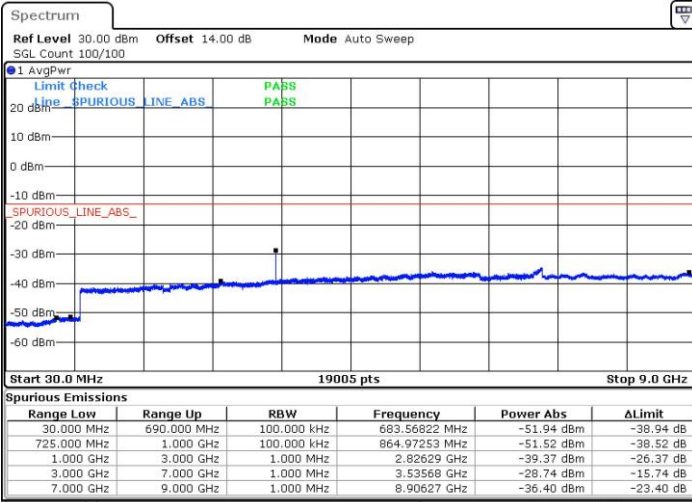
Date: 30 JUN.2017 18:44:20



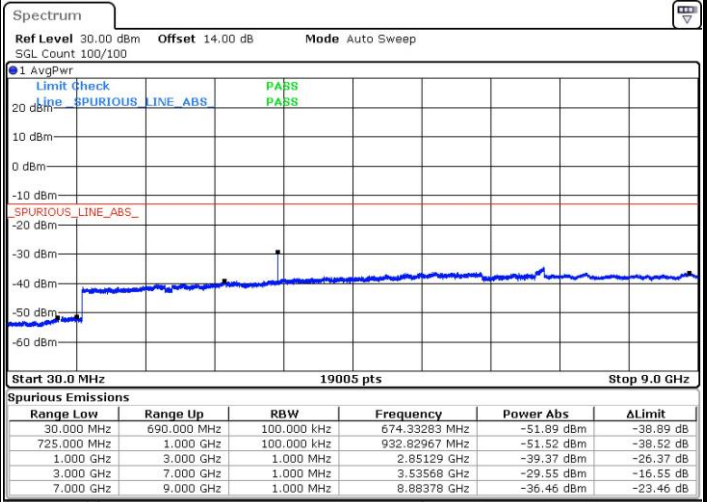
Date: 30 JUN.2017 18:45:17

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 30 JUN.2017 18:46:56

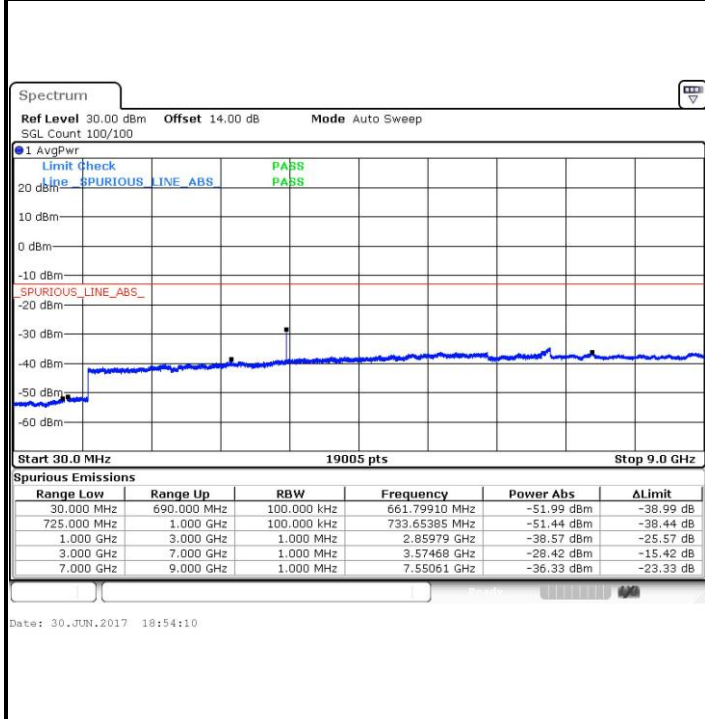


Date: 30 JUN.2017 18:47:53

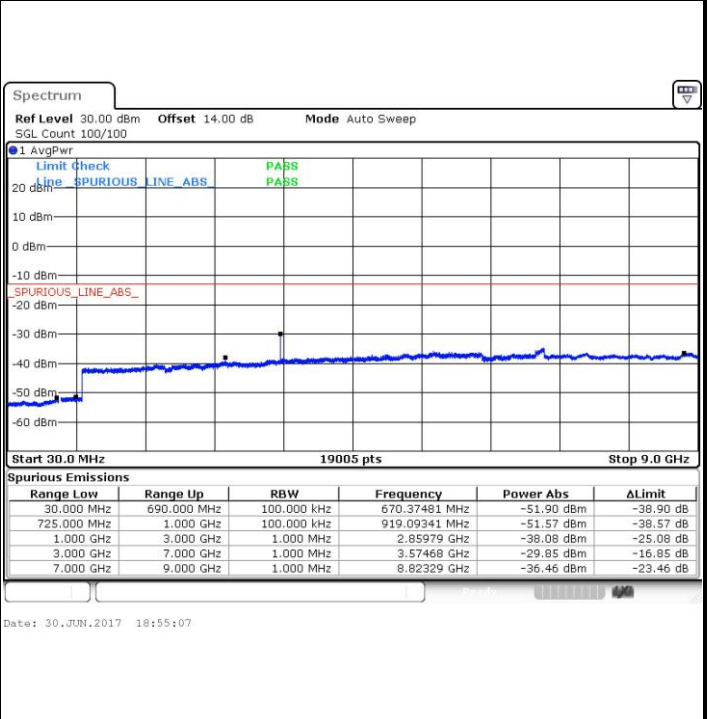


LTE Band 12 / 1.4MHz

Highest Channel / QPSK

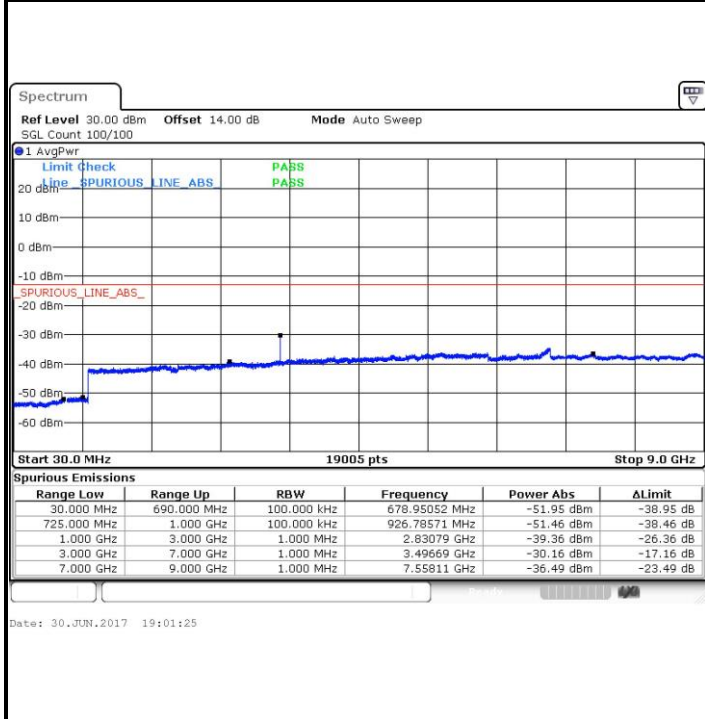


Highest Channel / 16QAM

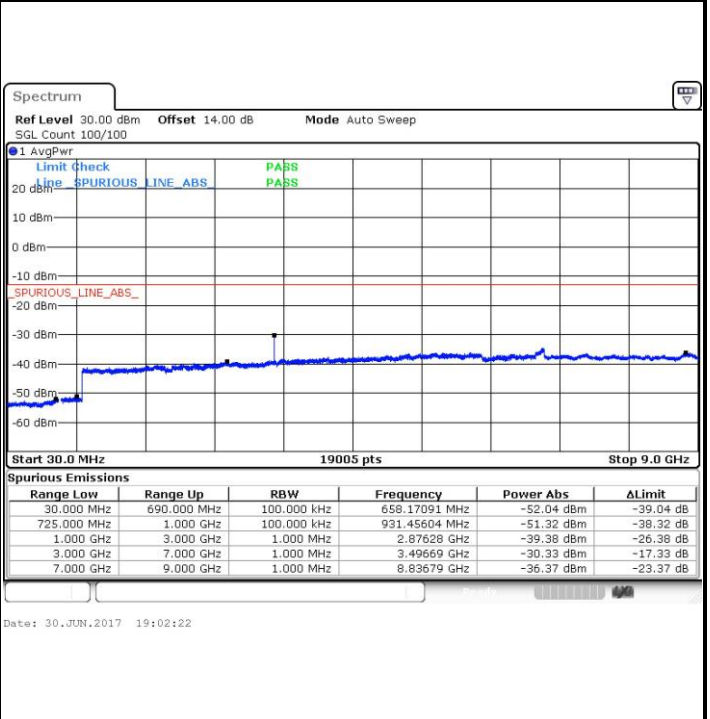


LTE Band 12 / 3MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

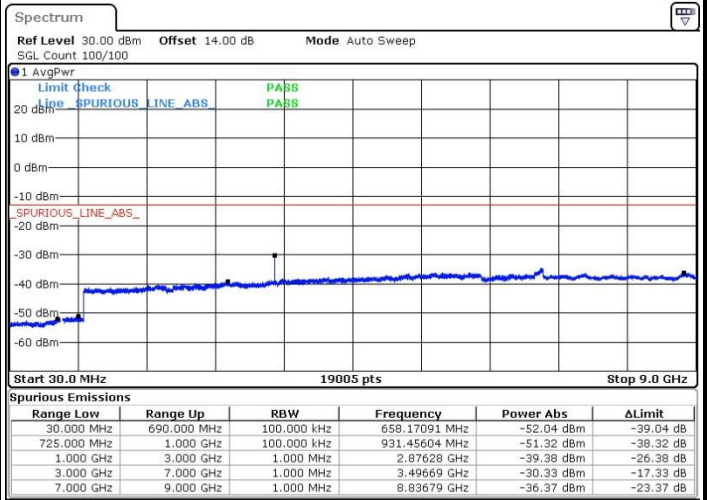
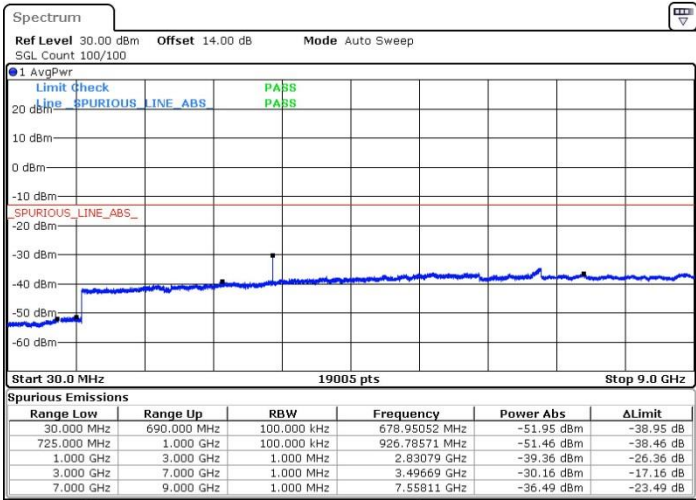




LTE Band 12 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

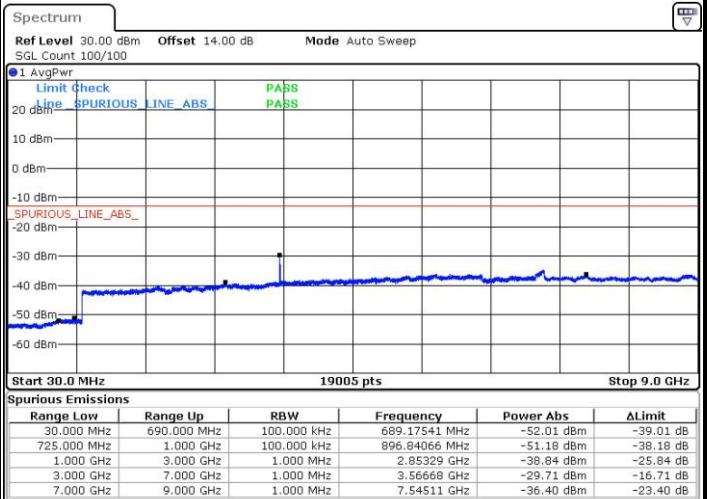
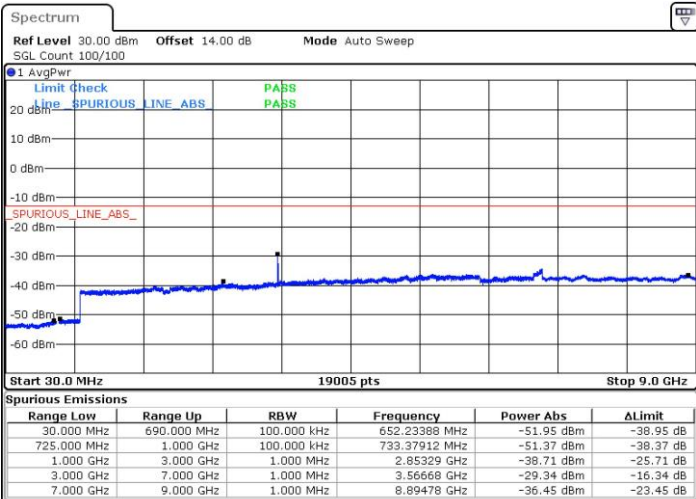


Date: 30.JUN.2017 19:01:25

Date: 30.JUN.2017 19:02:22

Highest Channel / QPSK

Highest Channel / 16QAM



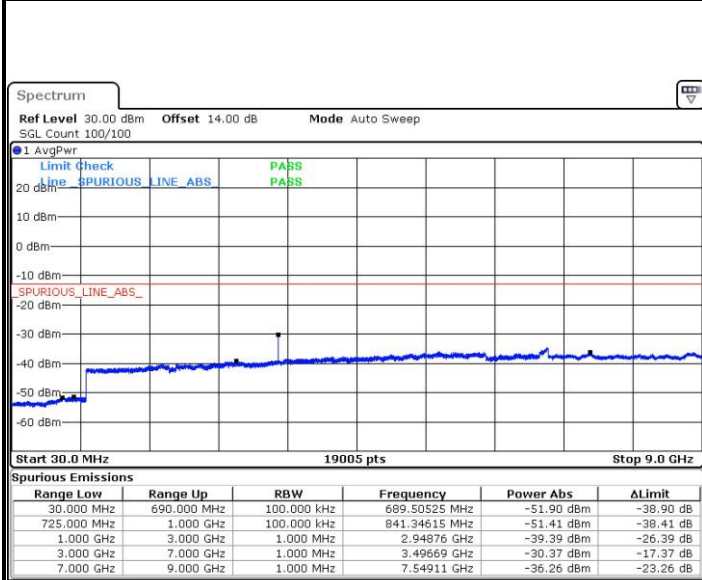
Date: 30.JUN.2017 19:11:54

Date: 30.JUN.2017 19:12:50



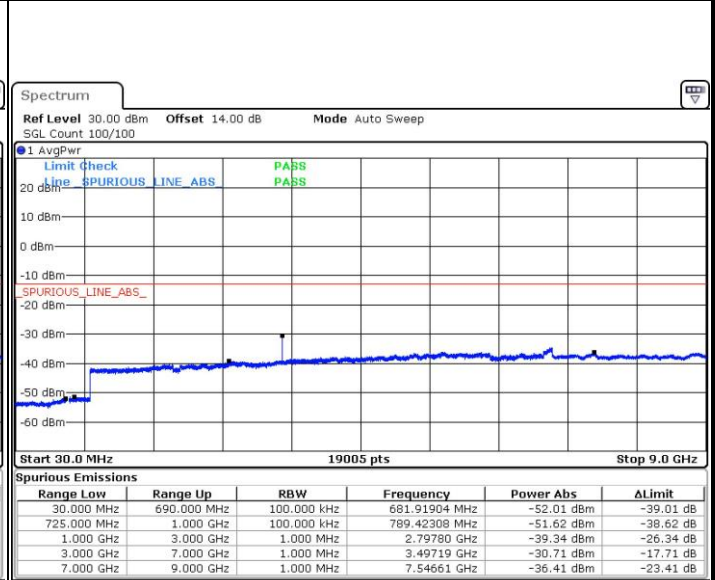
LTE Band 12 / 5MHz

Lowest Channel / QPSK



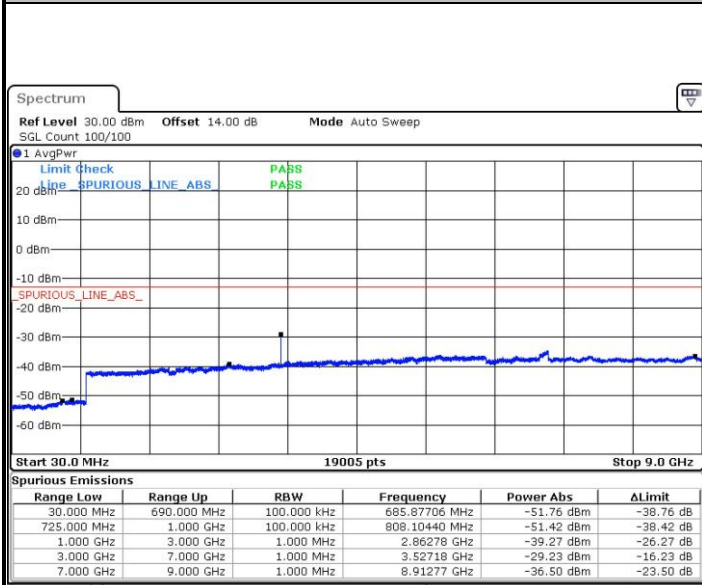
Date: 30 JUN.2017 19:32:33

Lowest Channel / 16QAM



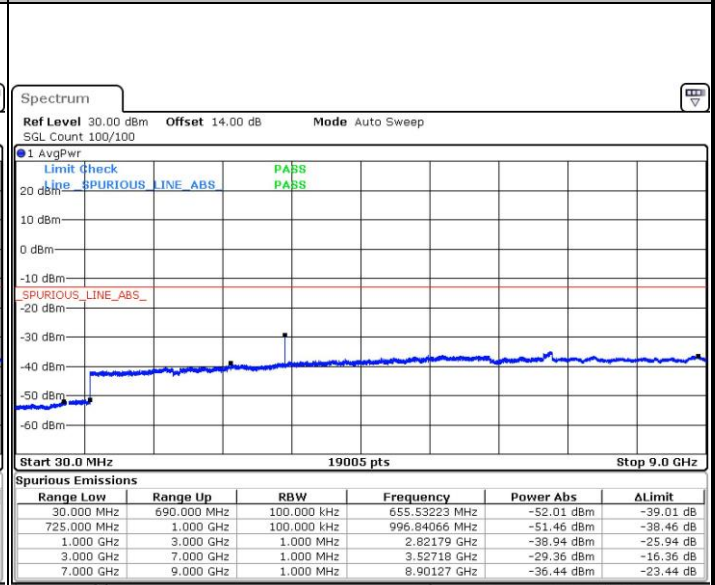
Date: 30 JUN.2017 19:33:30

Middle Channel / QPSK



Date: 30 JUN.2017 19:35:09

Middle Channel / 16QAM

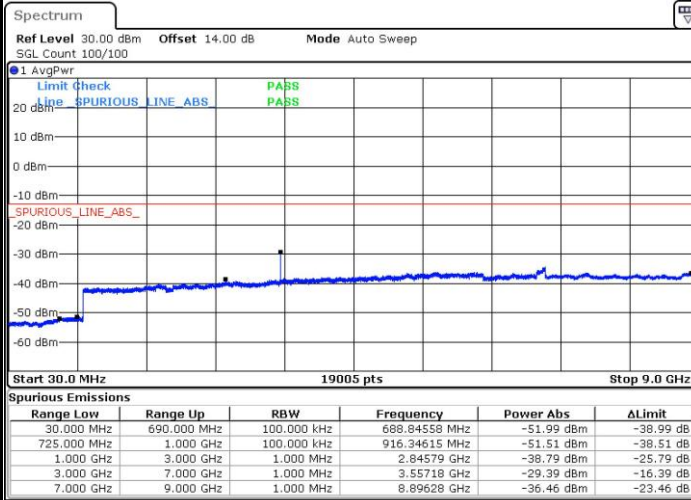


Date: 30 JUN.2017 19:36:05



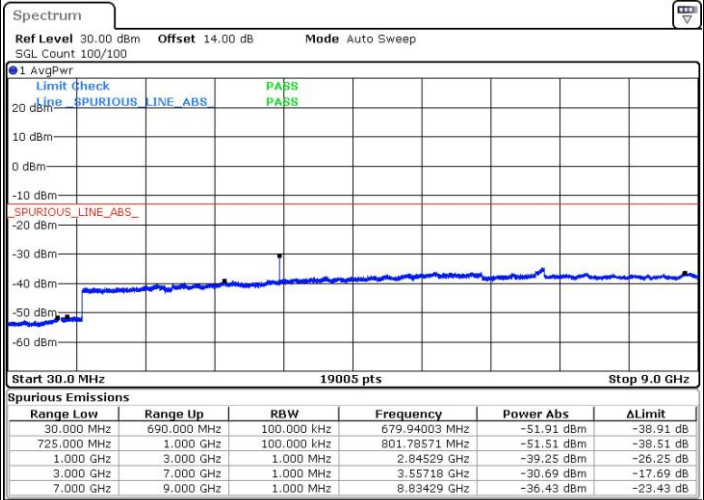
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 30 JUN.2017 19:42:22

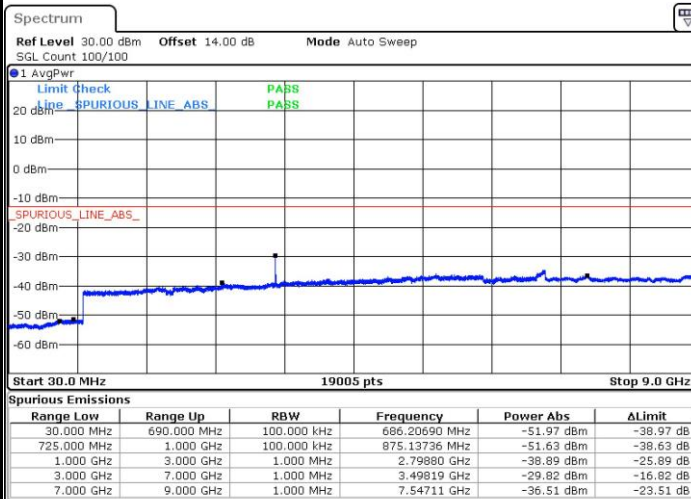
Highest Channel / 16QAM



Date: 30 JUN.2017 19:43:18

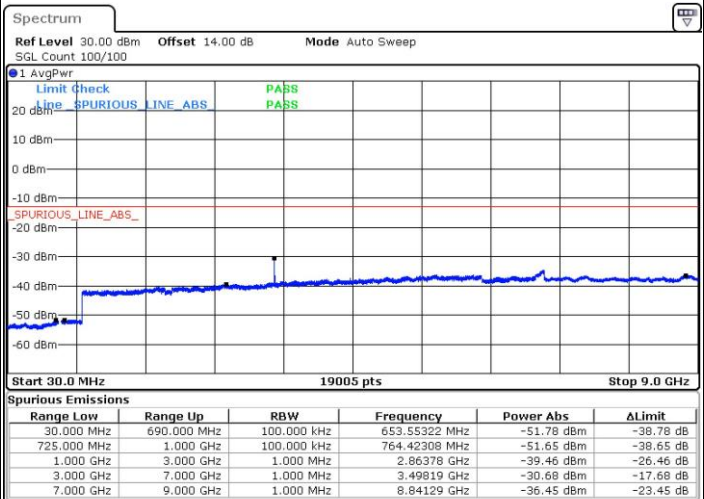
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 30 JUN.2017 19:49:34

Lowest Channel / 16QAM

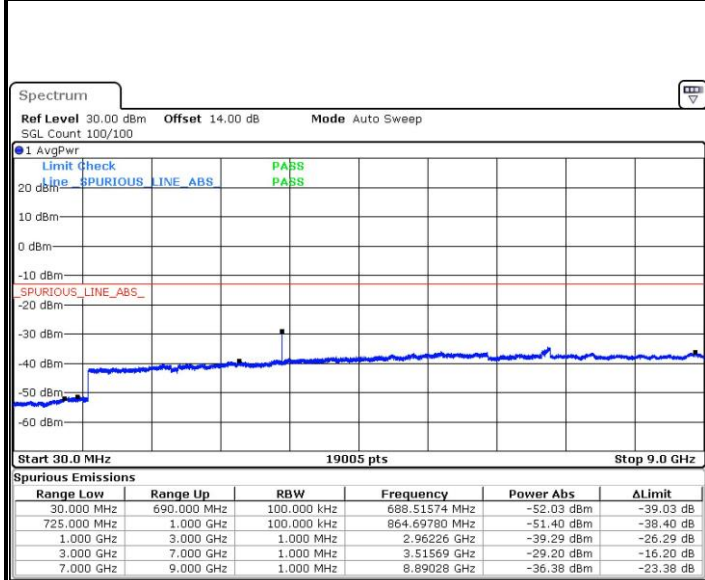


Date: 30 JUN.2017 19:50:31



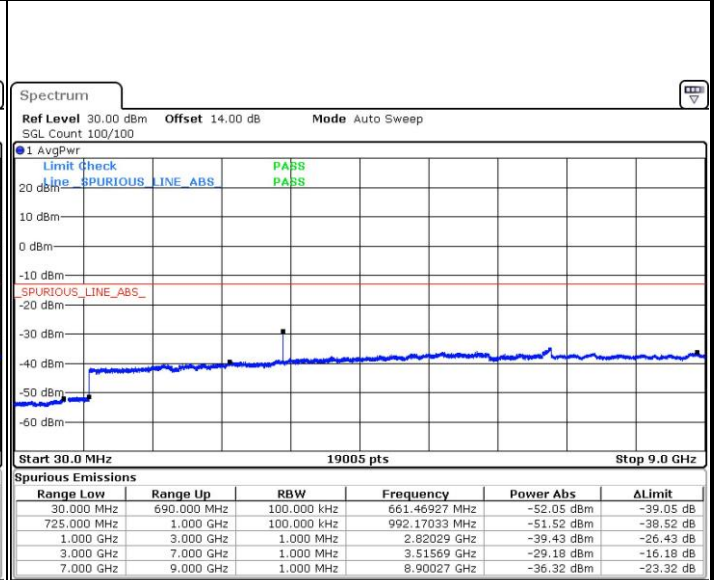
LTE Band 12 / 10MHz

Middle Channel / QPSK



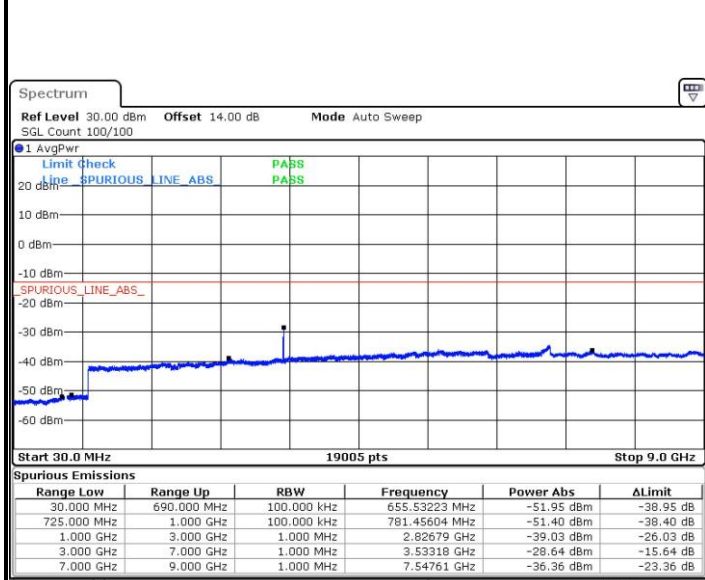
Date: 30 JUN.2017 19:52:10

Middle Channel / 16QAM



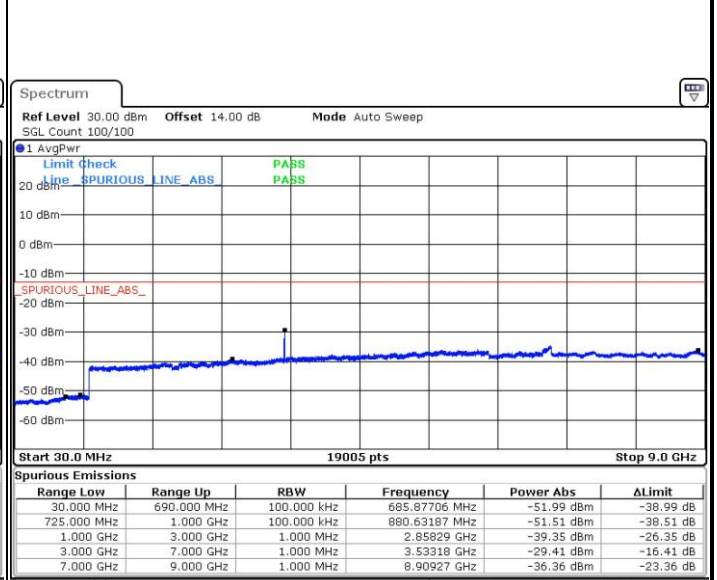
Date: 30 JUN.2017 19:53:06

Highest Channel / QPSK



Date: 30 JUN.2017 19:59:23

Highest Channel / 16QAM

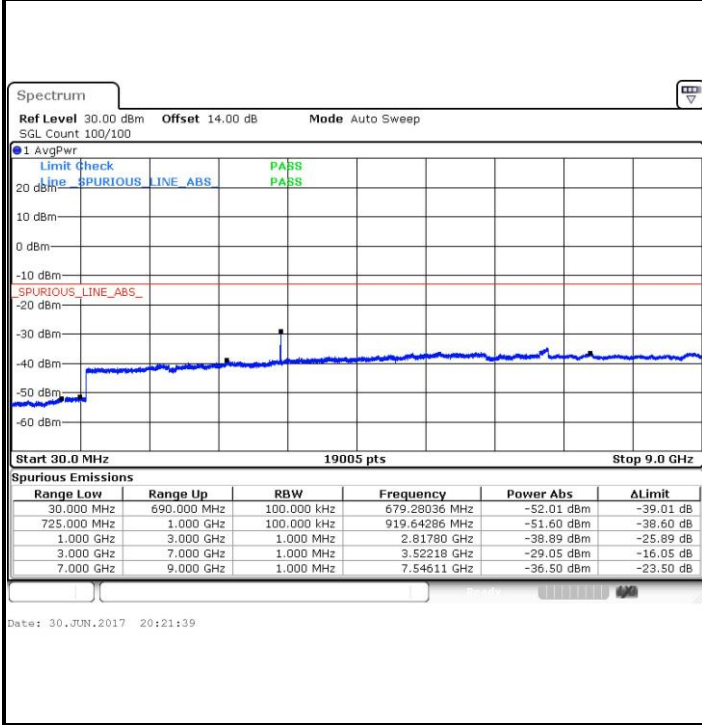


Date: 30 JUN.2017 20:00:19

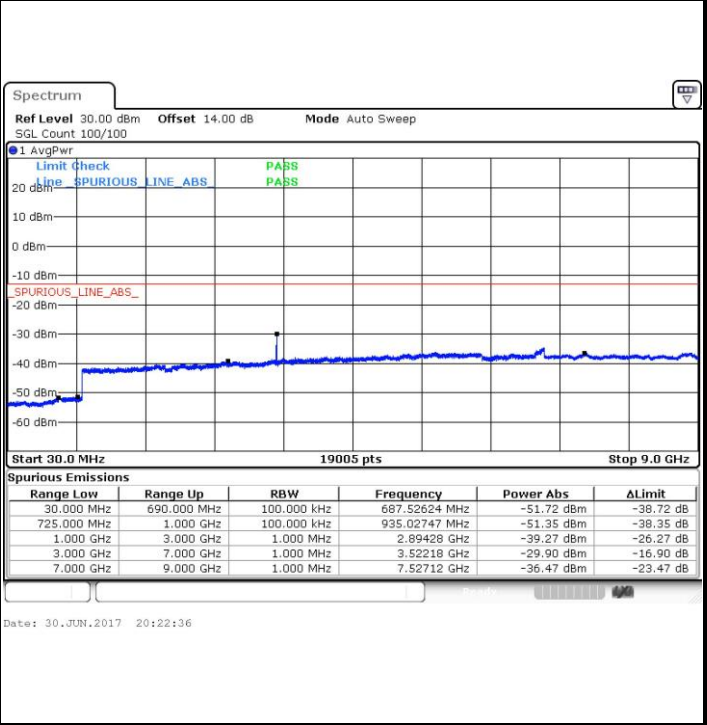


LTE Band 17 / 5MHz

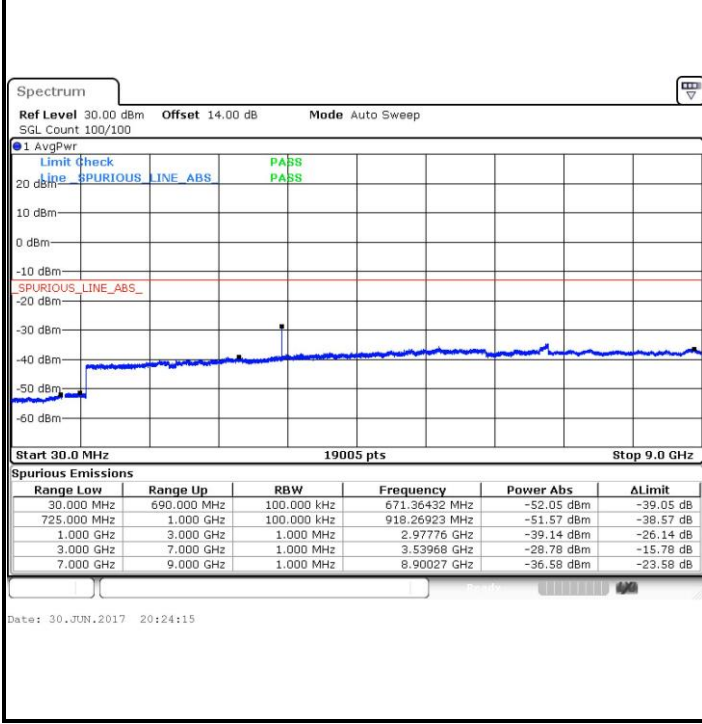
Lowest Channel / QPSK



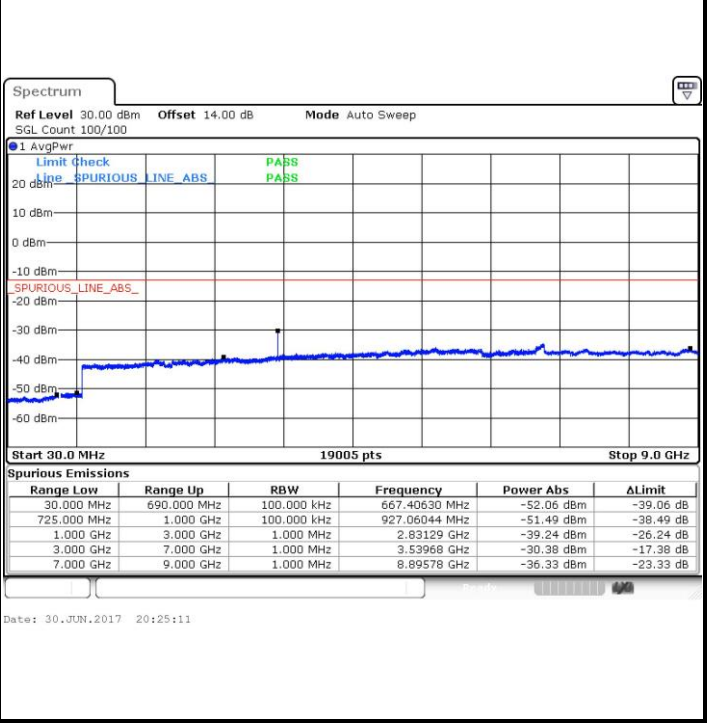
Lowest Channel / 16QAM



Middle Channel / QPSK



Middle Channel / 16QAM





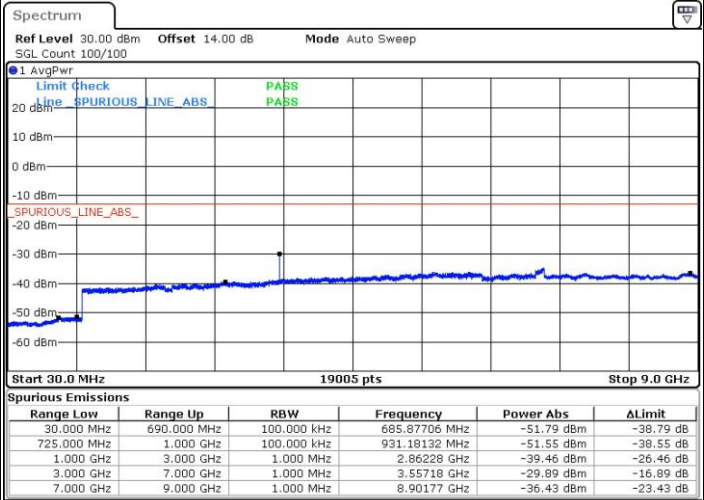
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 30 JUN.2017 20:31:27

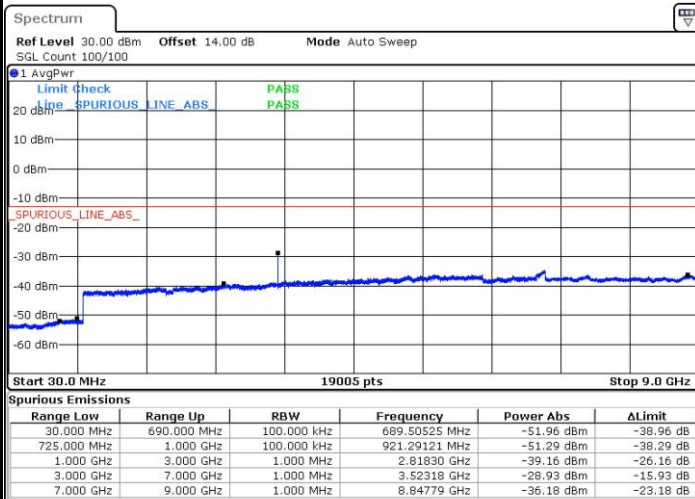
Highest Channel / 16QAM



Date: 30 JUN.2017 20:32:23

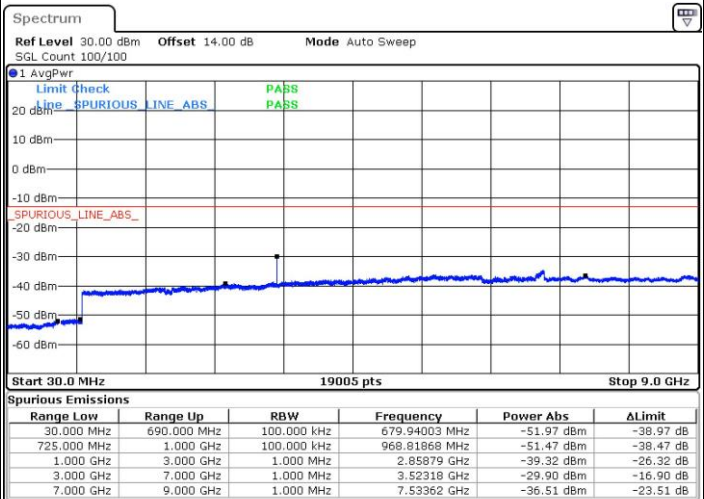
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 30 JUN.2017 20:38:39

Lowest Channel / 16QAM



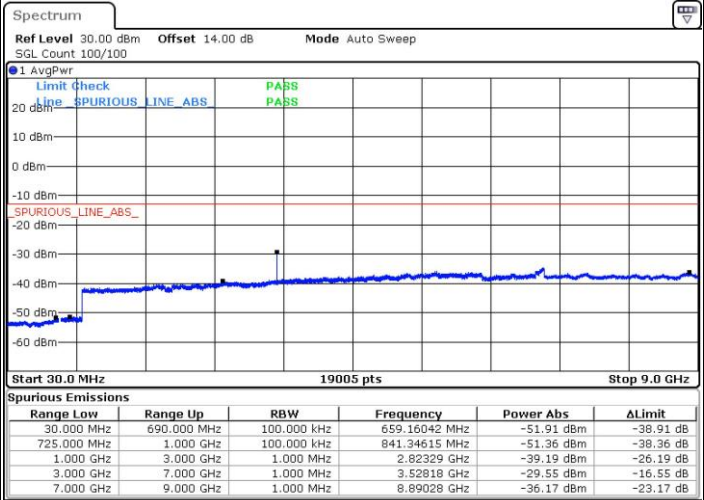
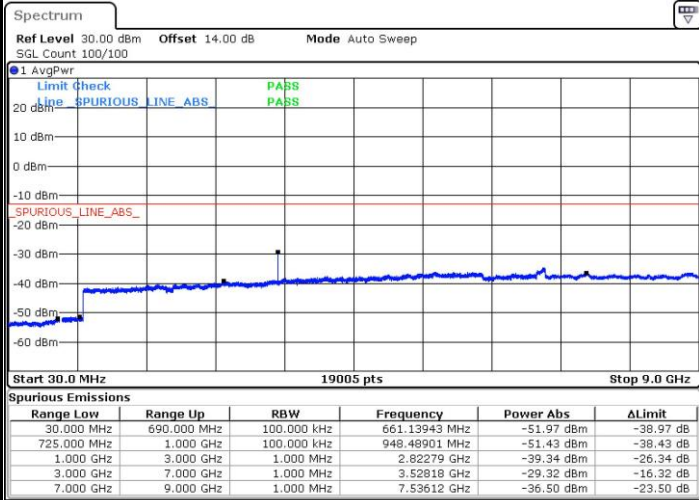
Date: 30 JUN.2017 20:39:35



LTE Band 17 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

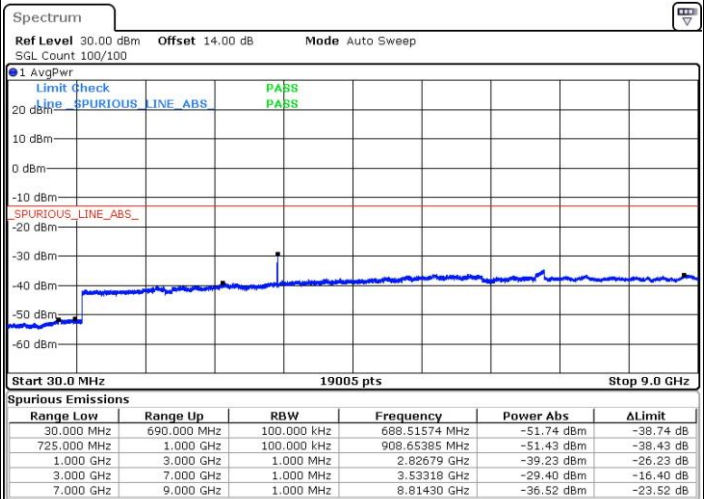
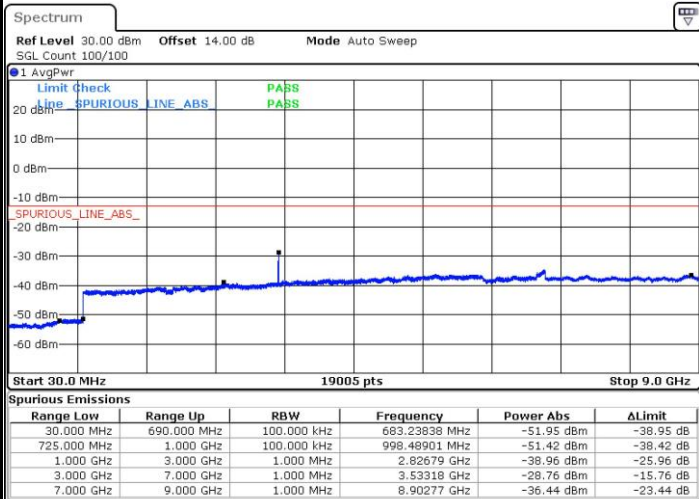


Date: 30 JUN.2017 20:41:14

Date: 30 JUN.2017 20:42:10

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 30 JUN.2017 20:48:26

Date: 30 JUN.2017 20:49:22



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 | 0.0013 | PASS |
| 40 | Normal Voltage | 0.0010 | |
| 30 | Normal Voltage | 0.0005 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0001 | |
| 0 | Normal Voltage | 0.0001 | |
| -10 | Normal Voltage | 0.0003 | |
| -20 | Normal Voltage | 0.0006 | |
| -30 | Normal Voltage | 0.0009 | |
| 20 | Maximum Voltage | 0.0003 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0001 | |

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.35 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 | 0.0014 | PASS |
| 40 | Normal Voltage | 0.0008 | |
| 30 | Normal Voltage | 0.0001 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0001 | |
| 0 | Normal Voltage | 0.0002 | |
| -10 | Normal Voltage | 0.0004 | |
| -20 | Normal Voltage | 0.0006 | |
| -30 | Normal Voltage | 0.0008 | |
| 20 | Maximum Voltage | 0.0004 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0005 | |

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



| Test Conditions | | LTE Band 7 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0020 | PASS |
| 40 | Normal Voltage | 0.0015 | |
| 30 | Normal Voltage | 0.0006 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0005 | |
| 0 | Normal Voltage | 0.0007 | |
| -10 | Normal Voltage | 0.0011 | |
| -20 | Normal Voltage | 0.0018 | |
| -30 | Normal Voltage | 0.0022 | |
| 20 | Maximum Voltage | 0.0002 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0001 | |

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



| Test Conditions | | LTE Band 12 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0025 | PASS |
| 40 | Normal Voltage | 0.0017 | |
| 30 | Normal Voltage | 0.0010 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0003 | |
| 0 | Normal Voltage | 0.0007 | |
| -10 | Normal Voltage | 0.0014 | |
| -20 | Normal Voltage | 0.0021 | |
| -30 | Normal Voltage | 0.0030 | |
| 20 | Maximum Voltage | 0.0017 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0011 | |

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



| Test Conditions | | LTE Band 17 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0030 | PASS |
| 40 | Normal Voltage | 0.0027 | |
| 30 | Normal Voltage | 0.0018 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0004 | |
| 0 | Normal Voltage | 0.0010 | |
| -10 | Normal Voltage | 0.0017 | |
| -20 | Normal Voltage | 0.0023 | |
| -30 | Normal Voltage | 0.0027 | |
| 20 | Maximum Voltage | 0.0017 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0004 | |

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.35 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 | -62.33 | -13 | -49.33 | -77.61 | -68.37 | 6.56 | 12.60 | H |
| | 5638.38 | -59.33 | -13 | -46.33 | -78.68 | -64.43 | 8 | 13.10 | H |
| | 7517.84 | -57.09 | -13 | -44.09 | -80.79 | -58.82 | 9.57 | 11.30 | H |
| | 3758.92 | -62.03 | -13 | -49.03 | -77.58 | -68.07 | 6.56 | 12.6 | V |
| | 5638.38 | -58.62 | -13 | -45.62 | -78.54 | -63.72 | 8 | 13.1 | V |
| | 7517.84 | -56.68 | -13 | -43.68 | -80.41 | -58.41 | 9.57 | 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 | -62.13 | -13 | -49.13 | -77.41 | -68.17 | 6.56 | 12.60 | H |
| | 5636.22 | -59.40 | -13 | -46.40 | -78.75 | -64.50 | 8 | 13.10 | H |
| | 7514.96 | -57.15 | -13 | -44.15 | -80.88 | -58.88 | 9.57 | 11.30 | H |
| | 3757.48 | -62.12 | -13 | -49.12 | -77.67 | -68.16 | 6.56 | 12.6 | V |
| | 5636.22 | -58.77 | -13 | -45.77 | -78.69 | -63.87 | 8 | 13.1 | V |
| | 7514.96 | -56.91 | -13 | -43.91 | -80.67 | -58.64 | 9.57 | 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 | -62.35 | -13 | -49.35 | -77.63 | -68.39 | 6.56 | 12.60 | H |
| | 5633.52 | -59.64 | -13 | -46.64 | -78.99 | -64.74 | 8 | 13.10 | H |
| | 7511.36 | -56.88 | -13 | -43.88 | -80.61 | -58.61 | 9.57 | 11.30 | H |
| | 3755.68 | -61.49 | -13 | -48.49 | -77.04 | -67.53 | 6.56 | 12.6 | V |
| | 5633.52 | -58.97 | -13 | -45.97 | -78.89 | -64.07 | 8 | 13.1 | V |
| | 7511.36 | -57.07 | -13 | -44.07 | -80.83 | -58.80 | 9.57 | 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 | -62.02 | -13 | -49.02 | -77.30 | -68.06 | 6.56 | 12.60 | H |
| | 5626.77 | -59.57 | -13 | -46.57 | -78.99 | -64.67 | 8 | 13.10 | H |
| | 7502 | -56.84 | -13 | -43.84 | -80.68 | -58.57 | 9.57 | 11.30 | H |
| | 3751.18 | -61.60 | -13 | -48.60 | -77.15 | -67.64 | 6.56 | 12.6 | V |
| | 5626.77 | -59.00 | -13 | -46.00 | -79 | -64.10 | 8 | 13.1 | V |
| | 7502 | -56.45 | -13 | -43.45 | -80.3 | -58.18 | 9.57 | 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 | 3746.5 | -62.25 | -13 | -49.25 | -77.53 | -68.29 | 6.56 | 12.60 | H |
| | 5619.75 | -59.79 | -13 | -46.79 | -79.21 | -64.89 | 8 | 13.10 | H |
| | 7493 | -57.07 | -13 | -44.07 | -80.91 | -58.80 | 9.57 | 11.30 | H |
| | 3746.5 | -61.21 | -13 | -48.21 | -76.76 | -67.25 | 6.56 | 12.6 | V |
| | 5619.75 | -59.12 | -13 | -46.12 | -79.12 | -64.22 | 8 | 13.1 | V |
| | 7493 | -56.86 | -13 | -43.86 | -80.71 | -58.59 | 9.57 | 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 | 3742 | -62.10 | -13 | -49.10 | -77.36 | -68.14 | 6.56 | 12.60 | H |
| | 5613 | -60.17 | -13 | -47.17 | -79.66 | -65.27 | 8 | 13.10 | H |
| | 7484 | -57.60 | -13 | -44.60 | -81.55 | -59.33 | 9.57 | 11.30 | H |
| | 3742 | -60.96 | -13 | -47.96 | -76.51 | -67.00 | 6.56 | 12.6 | V |
| | 5613 | -59.47 | -13 | -46.47 | -79.54 | -64.57 | 8 | 13.1 | V |
| | 7484 | -57.63 | -13 | -44.63 | -81.57 | -59.36 | 9.57 | 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 | -62.59 | -13 | -49.59 | -76.41 | -69.01 | 6.18 | 12.60 | H |
| | 5195.61 | -60.48 | -13 | -47.48 | -79.81 | -65.44 | 7.74 | 12.70 | H |
| | 6927.48 | -57.89 | -13 | -44.89 | -80.10 | -60.59 | 9 | 11.70 | H |
| | 3463.74 | -61.42 | -13 | -48.42 | -75.6 | -67.84 | 6.18 | 12.60 | V |
| | 5195.61 | -59.62 | -13 | -46.62 | -79.62 | -64.58 | 7.74 | 12.70 | V |
| | 6927.48 | -57.43 | -13 | -44.43 | -80.17 | -60.13 | 9 | 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 | -61.65 | -13 | -48.65 | -75.47 | -68.07 | 6.18 | 12.60 | H |
| | 5193.72 | -60.33 | -13 | -47.33 | -79.67 | -65.29 | 7.74 | 12.70 | H |
| | 6924.96 | -58.16 | -13 | -45.16 | -80.37 | -60.86 | 9 | 11.70 | H |
| | 3462.48 | -60.93 | -13 | -47.93 | -75.11 | -67.35 | 6.18 | 12.60 | V |
| | 5193.72 | -59.64 | -13 | -46.64 | -79.65 | -64.60 | 7.74 | 12.70 | V |
| | 6924.96 | -57.38 | -13 | -44.38 | -80.12 | -60.08 | 9 | 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 | -61.65 | -13 | -48.65 | -75.47 | -68.07 | 6.18 | 12.60 | H |
| | 5191.02 | -60.50 | -13 | -47.50 | -79.84 | -65.46 | 7.74 | 12.70 | H |
| | 6921.36 | -58.37 | -13 | -45.37 | -80.44 | -61.07 | 9 | 11.70 | H |
| | 3460.68 | -61.46 | -13 | -48.46 | -75.64 | -67.88 | 6.18 | 12.60 | V |
| | 5191.02 | -60.03 | -13 | -47.03 | -80.04 | -64.99 | 7.74 | 12.70 | V |
| | 6921.36 | -58.04 | -13 | -45.04 | -80.66 | -60.74 | 9 | 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 | -61.25 | -13 | -48.25 | -74.91 | -67.67 | 6.18 | 12.60 | H |
| | 5184.27 | -60.46 | -13 | -47.46 | -79.80 | -65.42 | 7.74 | 12.70 | H |
| | 6912.36 | -57.84 | -13 | -44.84 | -79.91 | -60.54 | 9 | 11.70 | H |
| | 3456.18 | -61.48 | -13 | -48.48 | -75.49 | -67.90 | 6.18 | 12.60 | V |
| | 5184.27 | -59.62 | -13 | -46.62 | -79.64 | -64.58 | 7.74 | 12.70 | V |
| | 6912.36 | -57.64 | -13 | -44.64 | -80.26 | -60.34 | 9 | 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 | -61.42 | -13 | -48.42 | -75.08 | -67.84 | 6.18 | 12.60 | H |
| | 5177.52 | -60.46 | -13 | -47.46 | -79.80 | -65.42 | 7.74 | 12.70 | H |
| | 6903.36 | -58.54 | -13 | -45.54 | -80.48 | -61.24 | 9 | 11.70 | H |
| | 3451.68 | -60.85 | -13 | -47.85 | -74.86 | -67.27 | 6.18 | 12.60 | V |
| | 5177.52 | -59.54 | -13 | -46.54 | -79.56 | -64.50 | 7.74 | 12.70 | V |
| | 6903.36 | -57.61 | -13 | -44.61 | -80.11 | -60.31 | 9 | 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 | -61.09 | -13 | -48.09 | -74.75 | -67.51 | 6.18 | 12.60 | H |
| | 5170.77 | -60.01 | -13 | -47.01 | -79.34 | -64.97 | 7.74 | 12.70 | H |
| | 6894.36 | -58.31 | -13 | -45.31 | -80.26 | -61.01 | 9 | 11.70 | H |
| | 3447.18 | -61.20 | -13 | -48.20 | -75.21 | -67.62 | 6.18 | 12.60 | V |
| | 5170.77 | -59.10 | -13 | -46.10 | -79.13 | -64.06 | 7.74 | 12.70 | V |
| | 6894.36 | -57.58 | -13 | -44.58 | -80.09 | -60.28 | 9 | 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) | 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 | 5070.00 | -60.84 | -25 | -35.84 | -80.18 | -72.60 | 0.94 | 12.70 | H |
| | 7605.00 | -58.09 | -25 | -33.09 | -81.15 | -68.10 | 1.69 | 11.70 | H |
| | 10140.00 | -51.67 | -25 | -26.67 | -79.07 | -62.33 | 1.44 | 12.10 | H |
| | 5070.00 | -59.81 | -25 | -34.81 | -79.94 | -71.57 | 0.94 | 12.70 | V |
| | 7605.00 | -57.72 | -25 | -32.72 | -80.91 | -67.73 | 1.69 | 11.70 | V |
| | 10140.00 | -51.96 | -25 | -26.96 | -79.13 | -62.62 | 1.44 | 12.10 | 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 | 5070.00 | -60.23 | -25 | -35.23 | -79.57 | -71.99 | 0.94 | 12.70 | H |
| | 7605.00 | -57.59 | -25 | -32.59 | -80.65 | -67.60 | 1.69 | 11.70 | H |
| | 10140.00 | -51.64 | -25 | -26.64 | -79.04 | -62.30 | 1.44 | 12.10 | H |
| | 5070.00 | -59.24 | -25 | -34.24 | -79.37 | -71.00 | 0.94 | 12.70 | V |
| | 7605.00 | -57.64 | -25 | -32.64 | -80.83 | -67.65 | 1.69 | 11.70 | V |
| | 10140.00 | -52.01 | -25 | -27.01 | -79.18 | -62.67 | 1.44 | 12.10 | 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 | 5070.00 | -60.23 | -25 | -35.23 | -79.57 | -71.99 | 0.94 | 12.70 | H |
| | 7605.00 | -57.59 | -25 | -32.59 | -80.65 | -67.60 | 1.69 | 11.70 | H |
| | 10140.00 | -51.64 | -25 | -26.64 | -79.04 | -62.30 | 1.44 | 12.10 | H |
| | 5070.00 | -59.24 | -25 | -34.24 | -79.37 | -71.00 | 0.94 | 12.70 | V |
| | 7605.00 | -57.64 | -25 | -32.64 | -80.83 | -67.65 | 1.69 | 11.70 | V |
| | 10140.00 | -52.01 | -25 | -27.01 | -79.18 | -62.67 | 1.44 | 12.10 | 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 | 5070.00 | -59.15 | -25 | -34.15 | -78.48 | -70.91 | 0.94 | 12.70 | H |
| | 7605.00 | -57.65 | -25 | -32.65 | -80.85 | -67.66 | 1.69 | 11.70 | H |
| | 10140.00 | -51.10 | -25 | -26.10 | -78.56 | -61.76 | 1.44 | 12.10 | H |
| | 5070.00 | -58.12 | -25 | -33.12 | -78.26 | -69.88 | 0.94 | 12.70 | V |
| | 7605.00 | -57.58 | -25 | -32.58 | -80.89 | -67.59 | 1.69 | 11.70 | V |
| | 10140.00 | -51.19 | -25 | -26.19 | -78.39 | -61.85 | 1.44 | 12.10 | 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 | -66.23 | -13 | -53.23 | -73.98 | -72.92 | 0.56 | 9.40 | H |
| | 2120.61 | -57.76 | -13 | -44.76 | -69.27 | -65.47 | 0.74 | 10.60 | H |
| | 2827.48 | -63.21 | -13 | -50.21 | -75.90 | -72.81 | 0.85 | 12.60 | H |
| | 3534.35 | -42.47 | -13 | -29.47 | -56.93 | -52.03 | 0.89 | 12.60 | H |
| | 4241.22 | -60.72 | -13 | -47.72 | -77.43 | -70.33 | 0.94 | 12.70 | H |
| | 1413.74 | -65.55 | -13 | -52.55 | -72.95 | -72.24 | 0.56 | 9.40 | V |
| | 2120.61 | -50.34 | -13 | -37.34 | -61.97 | -58.05 | 0.74 | 10.60 | V |
| | 2827.48 | -57.90 | -13 | -44.90 | -70.65 | -67.50 | 0.85 | 12.60 | V |
| | 3534.35 | -39.81 | -13 | -26.81 | -54.65 | -49.37 | 0.89 | 12.60 | V |
| | 4241.22 | -58.77 | -13 | -45.77 | -75.81 | -68.38 | 0.94 | 12.70 | 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 | -66.98 | -13 | -53.98 | -74.73 | -73.67 | 0.56 | 9.40 | H |
| | 2118.45 | -58.75 | -13 | -45.75 | -70.26 | -66.46 | 0.74 | 10.60 | H |
| | 2824.6 | -62.46 | -13 | -49.46 | -75.15 | -72.06 | 0.85 | 12.60 | H |
| | 3530.75 | -40.88 | -13 | -27.88 | -55.34 | -50.44 | 0.89 | 12.60 | H |
| | 4236.9 | -58.90 | -13 | -45.90 | -75.54 | -68.51 | 0.94 | 12.70 | H |
| | 1412.3 | -66.76 | -13 | -53.76 | -74.16 | -73.45 | 0.56 | 9.40 | V |
| | 2118.45 | -51.87 | -13 | -38.87 | -63.50 | -59.58 | 0.74 | 10.60 | V |
| | 2824.6 | -55.93 | -13 | -42.93 | -68.68 | -65.53 | 0.85 | 12.60 | V |
| | 3530.75 | -39.03 | -13 | -26.03 | -53.87 | -48.59 | 0.89 | 12.60 | V |
| | 4236.9 | -57.42 | -13 | -44.42 | -74.37 | -67.03 | 0.94 | 12.70 | 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 | -66.95 | -13 | -53.95 | -74.70 | -73.64 | 0.56 | 9.40 | H |
| | 2115.75 | -59.08 | -13 | -46.08 | -70.59 | -66.79 | 0.74 | 10.60 | H |
| | 2821 | -61.58 | -13 | -48.58 | -74.26 | -71.18 | 0.85 | 12.60 | H |
| | 3526.25 | -40.32 | -13 | -27.32 | -54.78 | -49.88 | 0.89 | 12.60 | H |
| | 4231.5 | -57.37 | -13 | -44.37 | -74.01 | -66.98 | 0.94 | 12.70 | H |
| | 1410.5 | -66.99 | -13 | -53.99 | -74.39 | -73.68 | 0.56 | 9.40 | V |
| | 2115.75 | -50.02 | -13 | -37.02 | -61.65 | -57.73 | 0.74 | 10.60 | V |
| | 2821 | -54.52 | -13 | -41.52 | -67.26 | -64.12 | 0.85 | 12.60 | V |
| | 3526.25 | -37.15 | -13 | -24.15 | -51.99 | -46.71 | 0.89 | 12.60 | V |
| | 4231.5 | -55.67 | -13 | -42.67 | -72.62 | -65.28 | 0.94 | 12.70 | 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 | -66.80 | -13 | -53.80 | -74.55 | -73.49 | 0.56 | 9.40 | H |
| | 2109 | -57.40 | -13 | -44.40 | -68.66 | -65.11 | 0.74 | 10.60 | H |
| | 2812 | -61.53 | -13 | -48.53 | -74.21 | -71.13 | 0.85 | 12.60 | H |
| | 3515 | -39.86 | -13 | -26.86 | -54.16 | -49.42 | 0.89 | 12.60 | H |
| | 4218 | -56.93 | -13 | -43.93 | -73.49 | -66.54 | 0.94 | 12.70 | H |
| | 1406 | -66.92 | -13 | -53.92 | -74.32 | -73.61 | 0.56 | 9.40 | V |
| | 2109 | -56.31 | -13 | -43.31 | -67.67 | -64.02 | 0.74 | 10.60 | V |
| | 2812 | -55.06 | -13 | -42.06 | -67.80 | -64.66 | 0.85 | 12.60 | V |
| | 3515 | -35.57 | -13 | -22.57 | -50.25 | -45.13 | 0.89 | 12.60 | V |
| | 4218 | -55.55 | -13 | -42.55 | -72.39 | -65.16 | 0.94 | 12.70 | V |

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



| LTE Band 17 / 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 | 1415.68 | -66.15 | -13 | -53.15 | -73.90 | -72.84 | 0.56 | 9.40 | H |
| | 2123.58 | -56.18 | -13 | -43.18 | -67.69 | -63.89 | 0.74 | 10.60 | H |
| | 2831.36 | -64.01 | -13 | -51.01 | -76.74 | -73.61 | 0.85 | 12.60 | H |
| | 3538.75 | -43.39 | -13 | -30.39 | -57.85 | -52.95 | 0.89 | 12.60 | H |
| | 4246.5 | -60.37 | -13 | -47.37 | -77.08 | -69.98 | 0.94 | 12.70 | H |
| | 1415.68 | -65.81 | -13 | -52.81 | -73.21 | -72.50 | 0.56 | 9.40 | V |
| | 2123.58 | -52.16 | -13 | -39.16 | -63.79 | -59.87 | 0.74 | 10.60 | V |
| | 2831.36 | -58.49 | -13 | -45.49 | -71.27 | -68.09 | 0.85 | 12.60 | V |
| | 3538.75 | -41.20 | -13 | -28.20 | -56.04 | -50.76 | 0.89 | 12.60 | V |
| | 4246.5 | -59.25 | -13 | -46.25 | -76.29 | -68.86 | 0.94 | 12.70 | V |

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

| LTE Band 17 / 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 | 1411.18 | -66.97 | -13 | -53.97 | -74.72 | -73.66 | 0.56 | 9.40 | H |
| | 2116.77 | -61.44 | -13 | -48.44 | -72.95 | -69.15 | 0.74 | 10.60 | H |
| | 2822.36 | -62.52 | -13 | -49.52 | -75.20 | -72.12 | 0.85 | 12.60 | H |
| | 3527.5 | -40.85 | -13 | -27.85 | -55.31 | -50.41 | 0.89 | 12.60 | H |
| | 4233 | -58.37 | -13 | -45.37 | -75.01 | -67.98 | 0.94 | 12.70 | H |
| | 1411.18 | -67.23 | -13 | -54.23 | -74.63 | -73.92 | 0.56 | 9.40 | V |
| | 2116.77 | -51.55 | -13 | -38.55 | -63.18 | -59.26 | 0.74 | 10.60 | V |
| | 2822.36 | -55.00 | -13 | -42.00 | -67.74 | -64.60 | 0.85 | 12.60 | V |
| | 3527.5 | -38.13 | -13 | -25.13 | -52.97 | -47.69 | 0.89 | 12.60 | V |
| | 4233 | -57.23 | -13 | -44.23 | -74.18 | -66.84 | 0.94 | 12.70 | V |

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