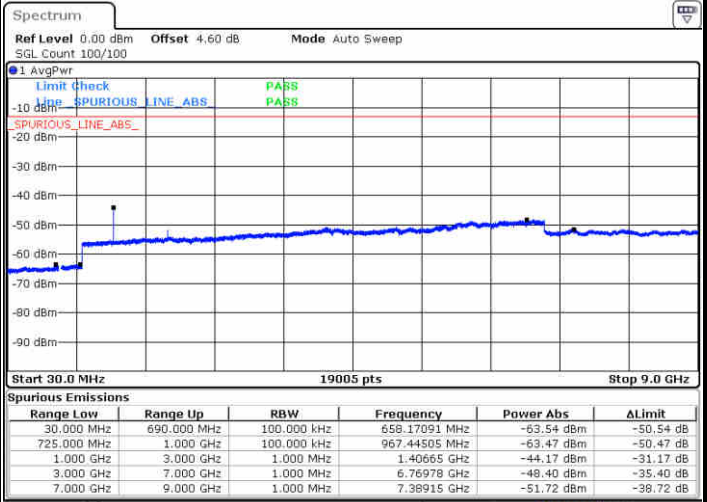
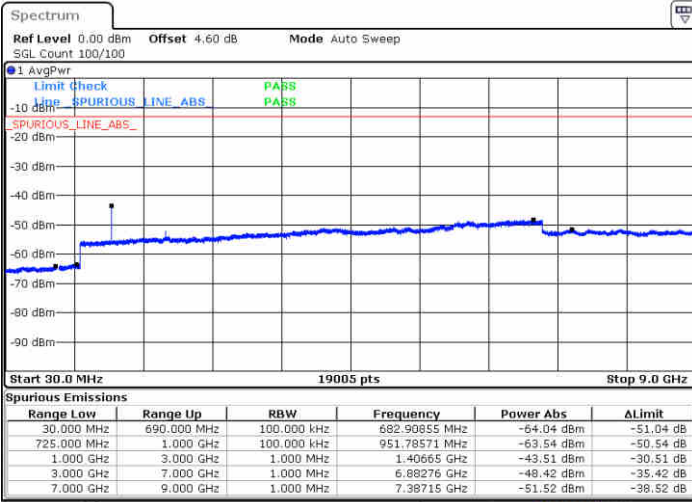




LTE Band 12 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

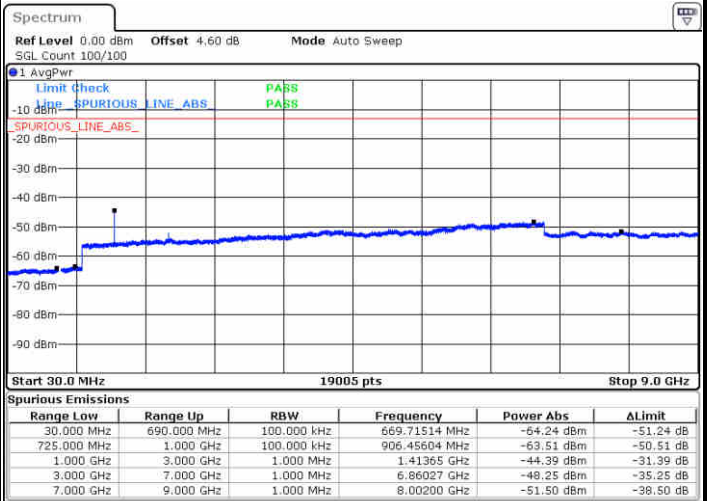
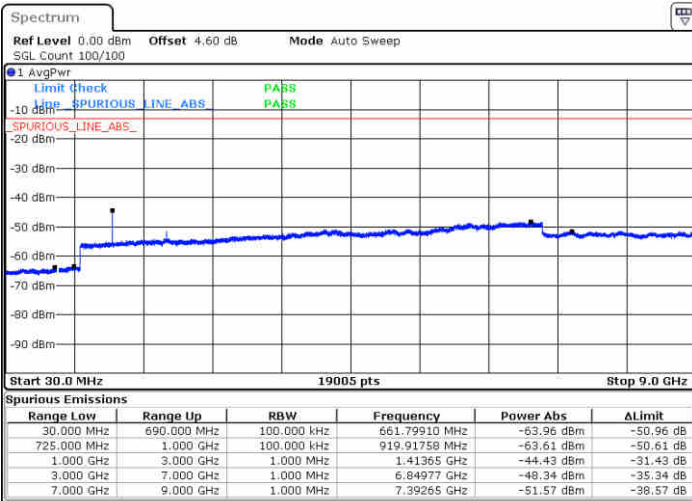


Date: 23 JUN 2019 00:00:26

Date: 22 JUN 2019 23:59:32

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 23 JUN 2019 00:01:21

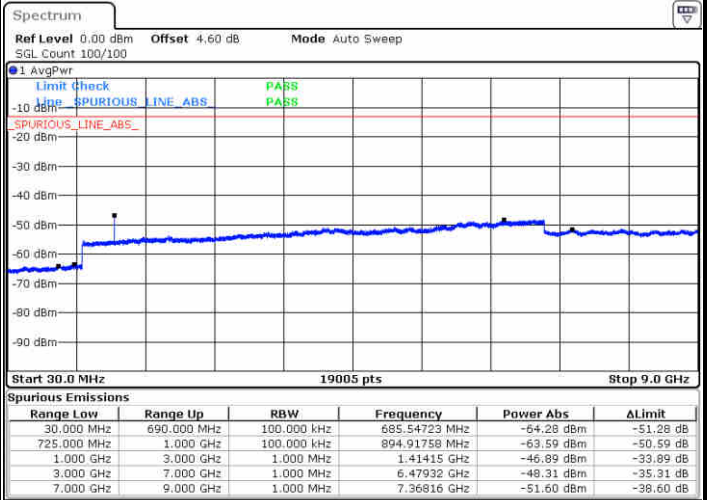
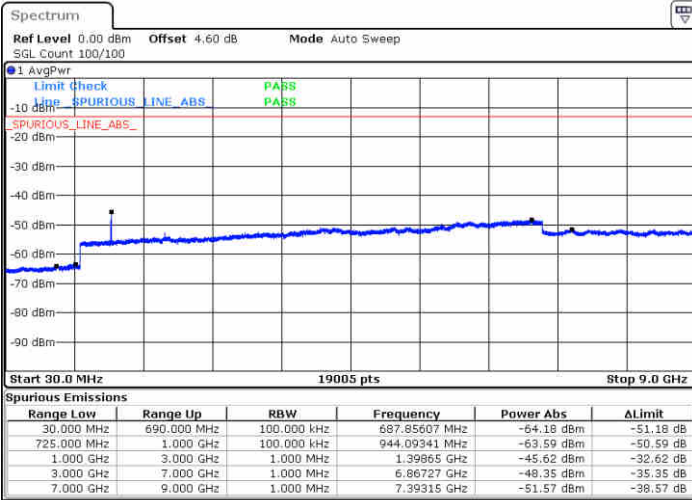
Date: 23 JUN 2019 00:02:16



LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM

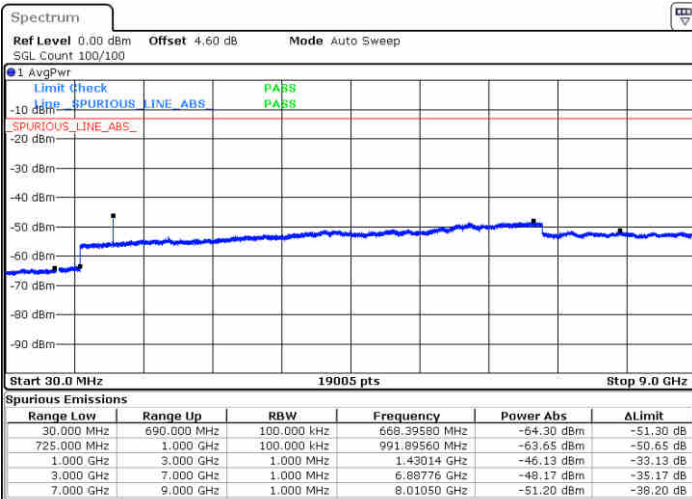
Middle Channel / 64QAM



Date: 23 JUN 2019 00:18:17

Date: 23 JUN 2019 00:19:12

Highest Channel / 64QAM



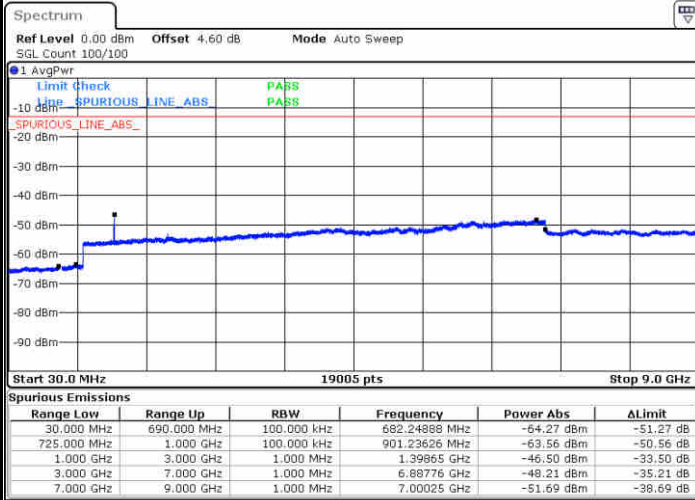
Date: 23 JUN 2019 00:20:06



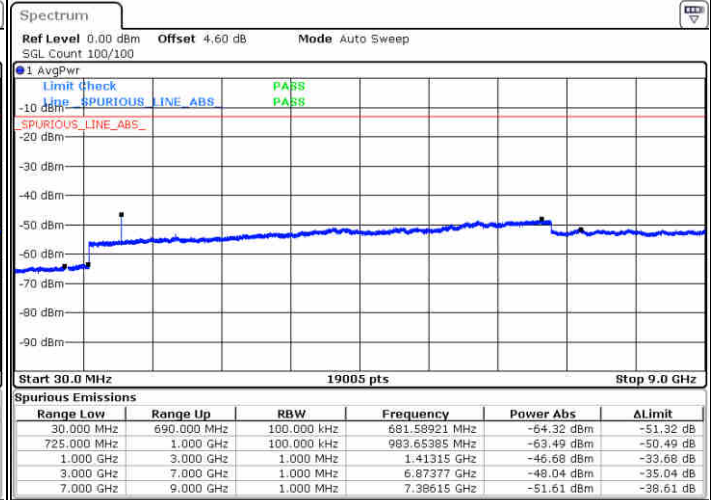
LTE Band 12 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

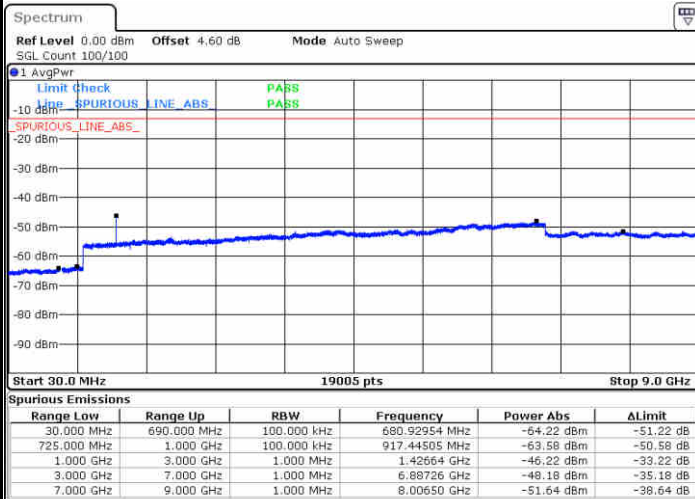


Date: 23 JUN 2019 00:21:01



Date: 23 JUN 2019 00:21:58

Highest Channel / 64QAM



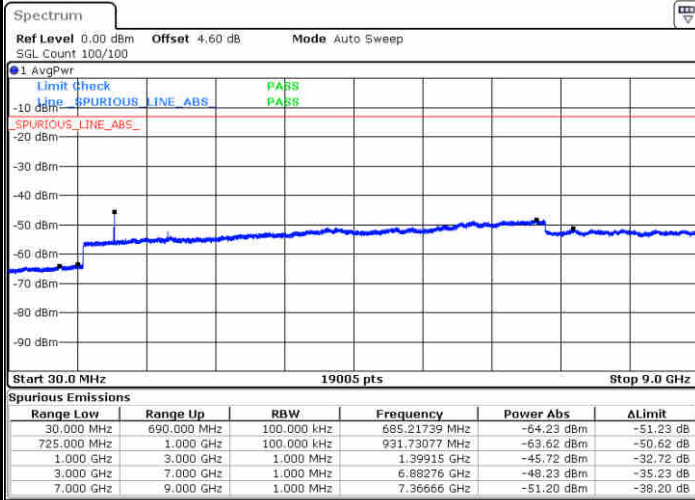
Date: 23 JUN 2019 00:22:50



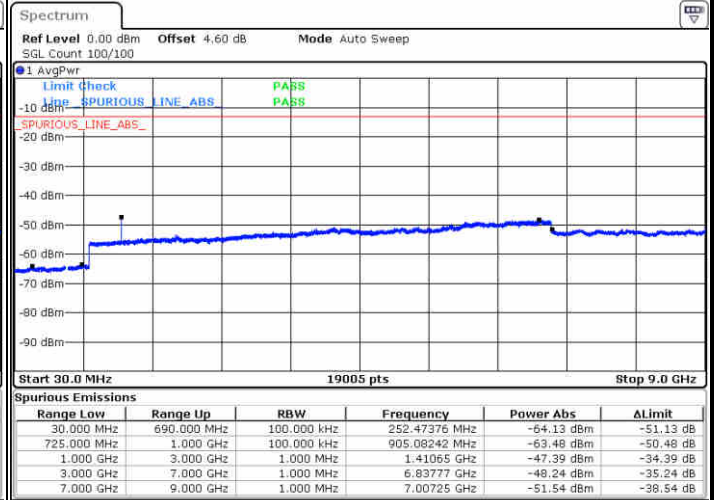
LTE Band 12 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

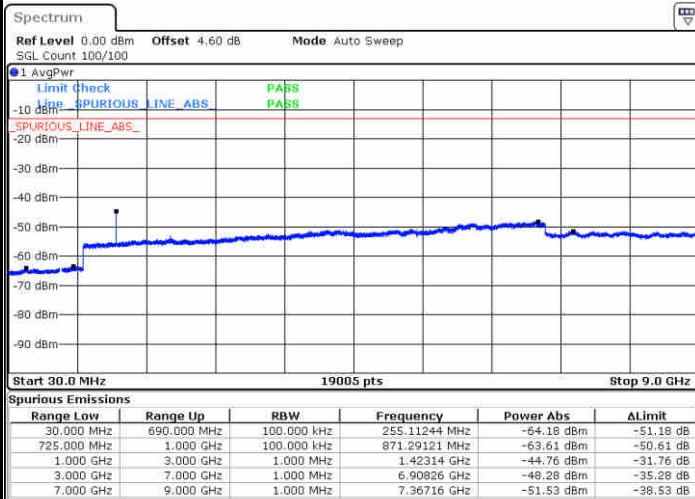


Date: 23 JUN 2019 00:34:45



Date: 23 JUN 2019 00:35:40

Highest Channel / 64QAM



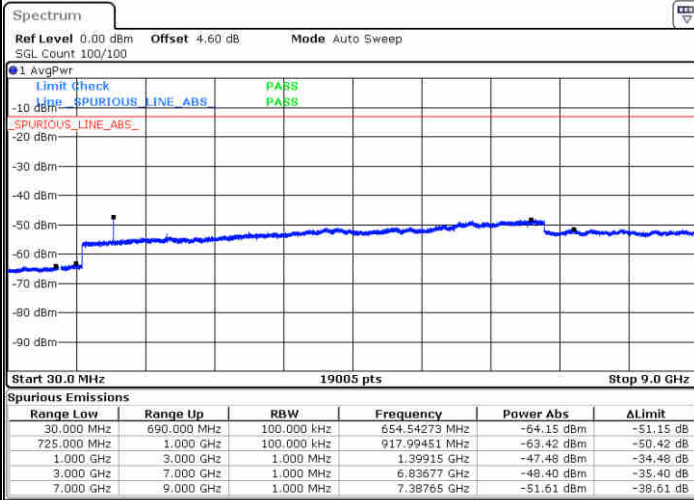
Date: 23 JUN 2019 00:36:35



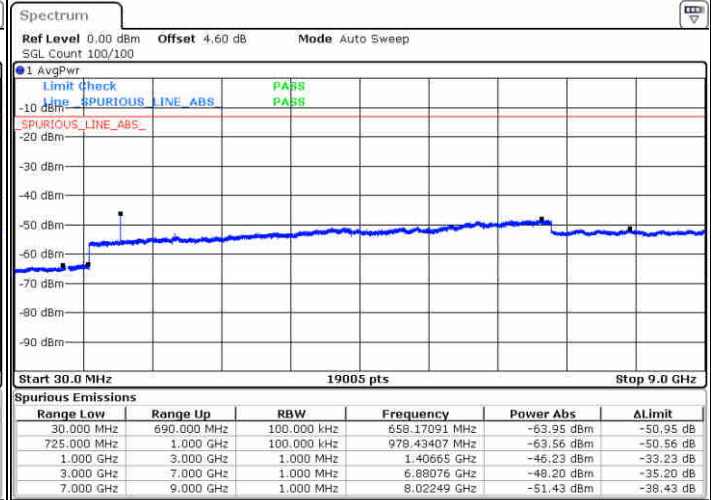
LTE Band 12 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

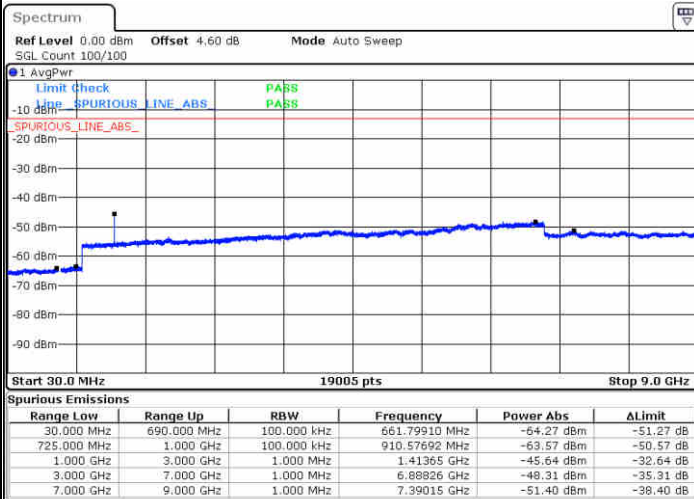


Date: 23 JUN 2019 00:37:29



Date: 23 JUN 2019 00:38:24

Highest Channel / 64QAM



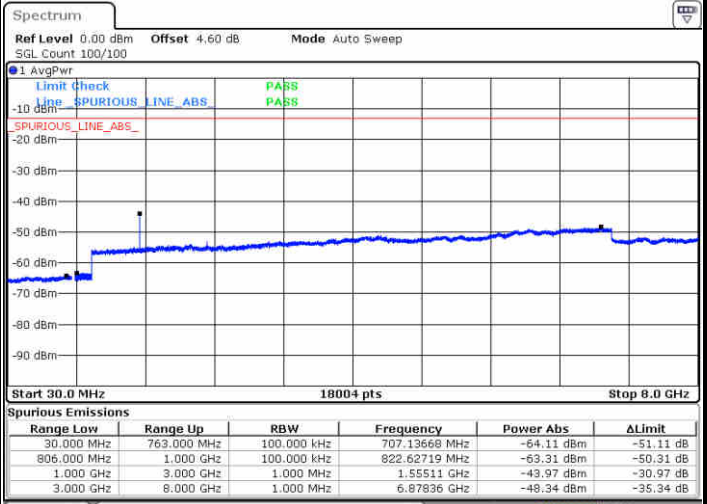
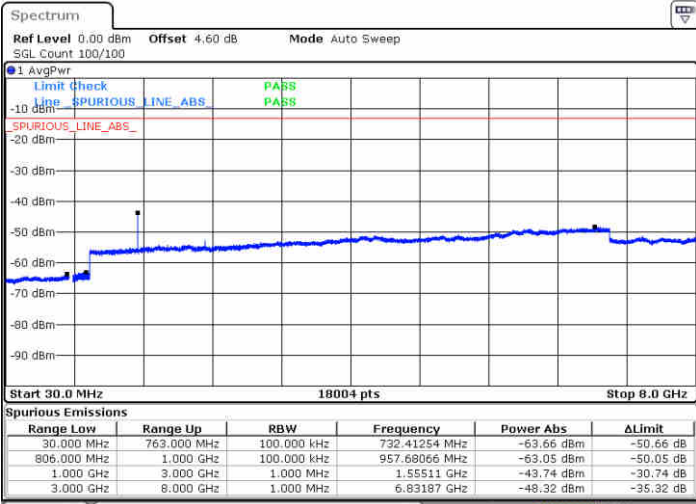
Date: 23 JUN 2019 00:39:19



LTE Band 13 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

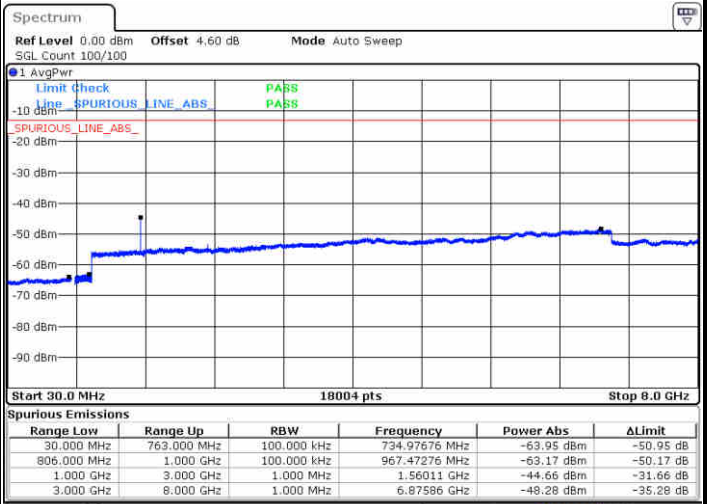
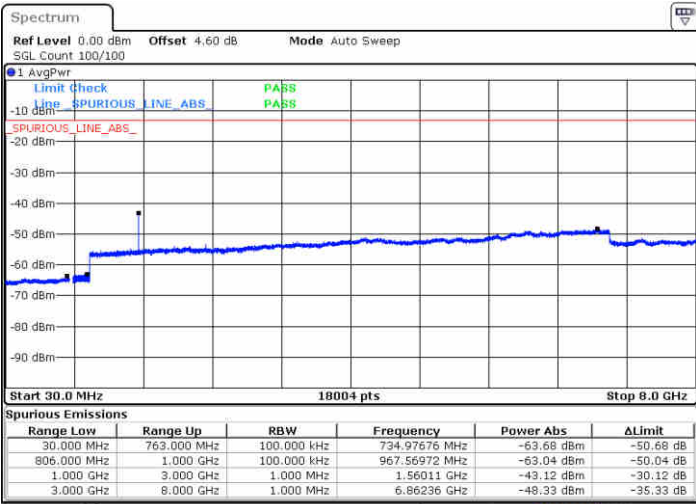


Date: 23 JUN 2019 11:06:37

Date: 23 JUN 2019 11:05:43

Middle Channel / QPSK

Middle Channel / 16QAM



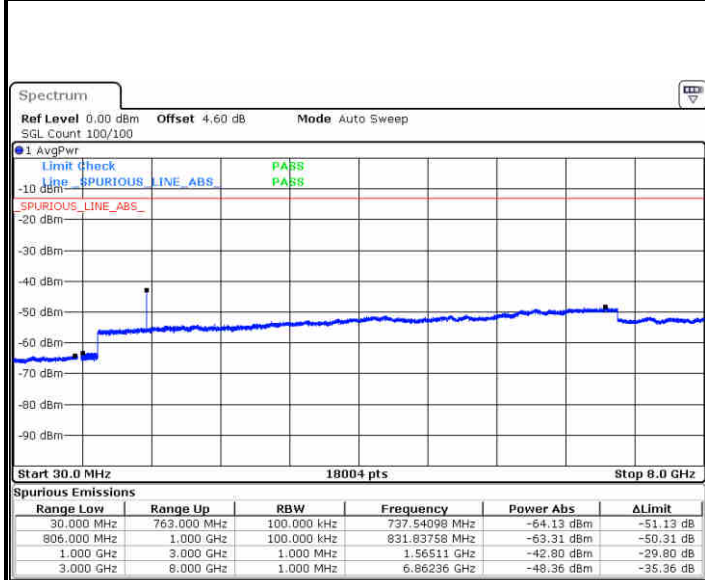
Date: 23 JUN 2019 11:08:12

Date: 23 JUN 2019 11:09:06



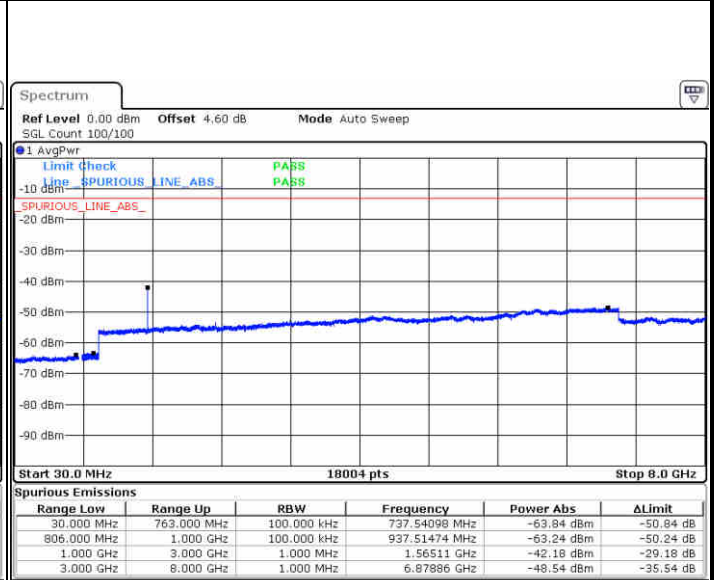
**LTE Band 13 / 5MHz**

**Highest Channel / QPSK**



Date: 23 JUN 2019 11:18:06

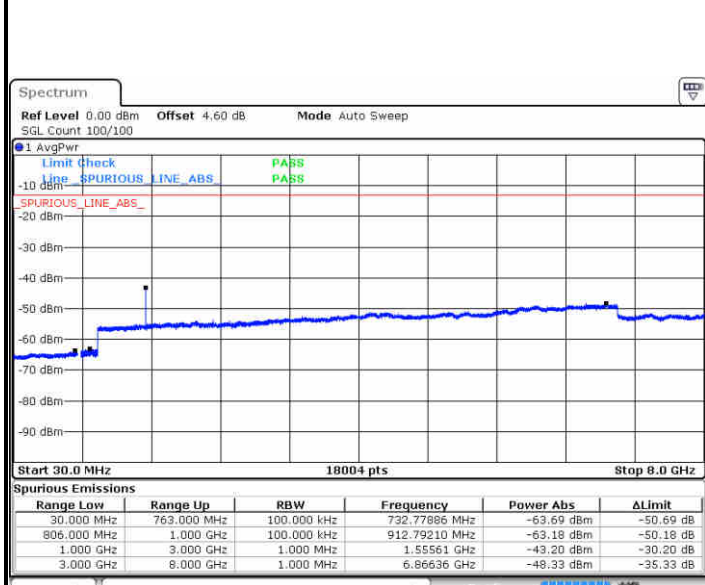
**Highest Channel / 16QAM**



Date: 23 JUN 2019 11:17:11

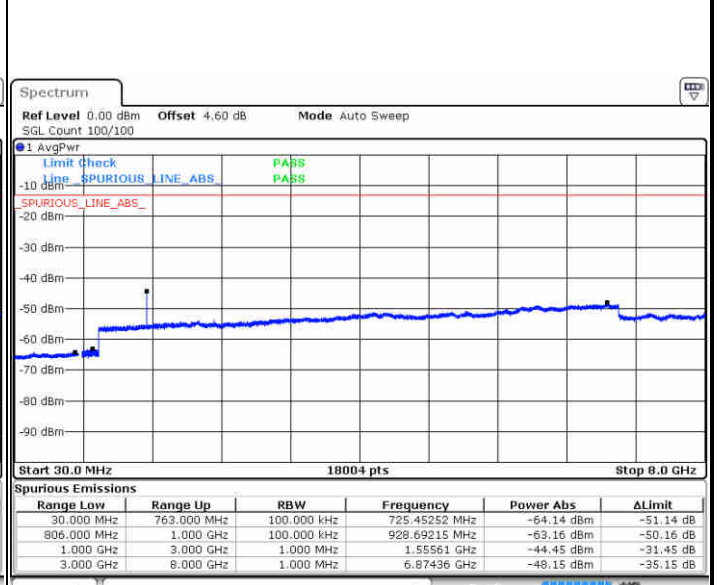
**LTE Band 13 / 10MHz**

**Middle Channel / QPSK**



Date: 23 JUN 2019 11:19:00

**Middle Channel / 16QAM**



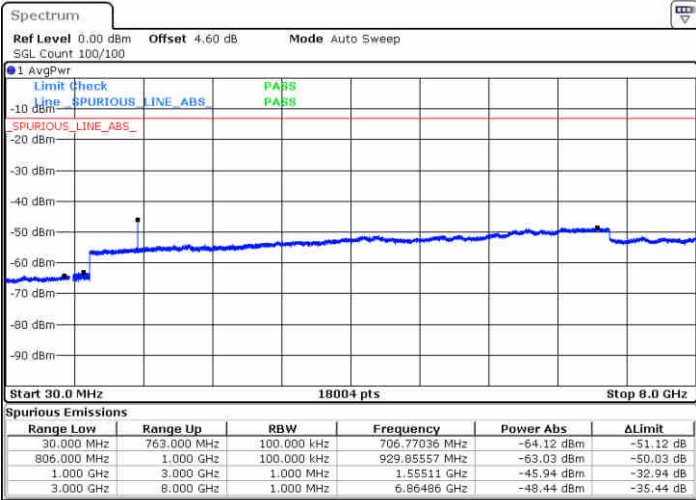
Date: 23 JUN 2019 11:19:54



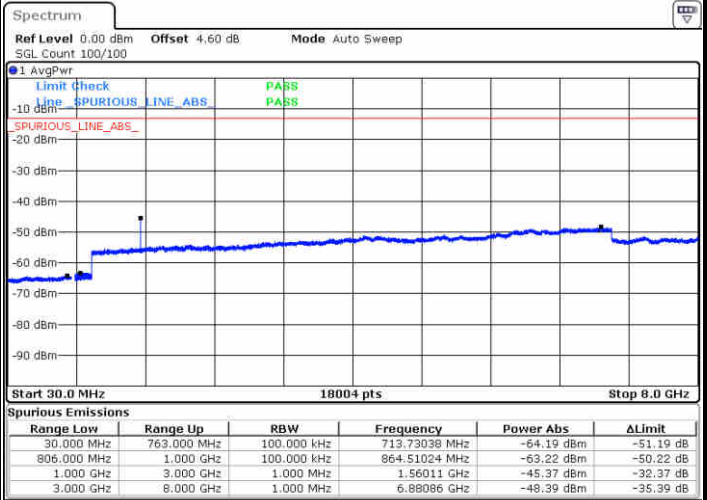
LTE Band 13 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

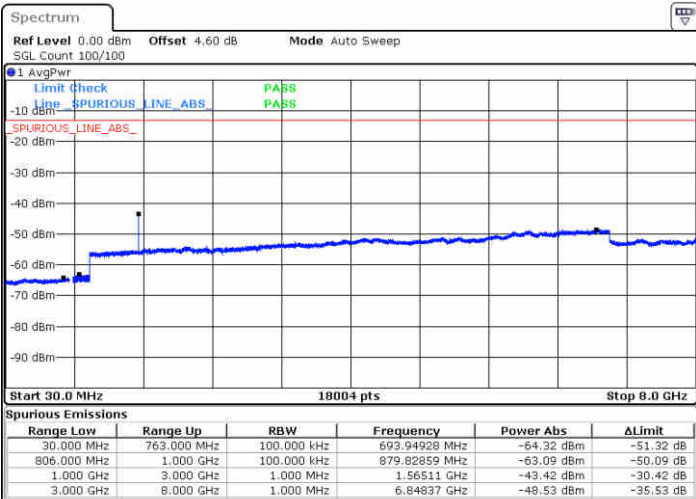


Date: 23 JUN 2019 11:39:26



Date: 23 JUN 2019 11:40:21

Highest Channel / 64QAM



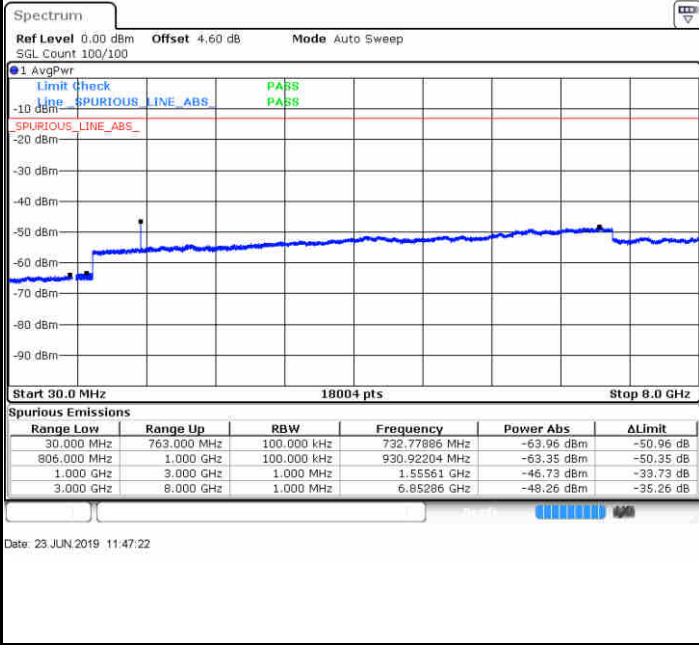
Date: 23 JUN 2019 11:41:15





LTE Band 13 / 10MHz

Middle Channel / 64QAM

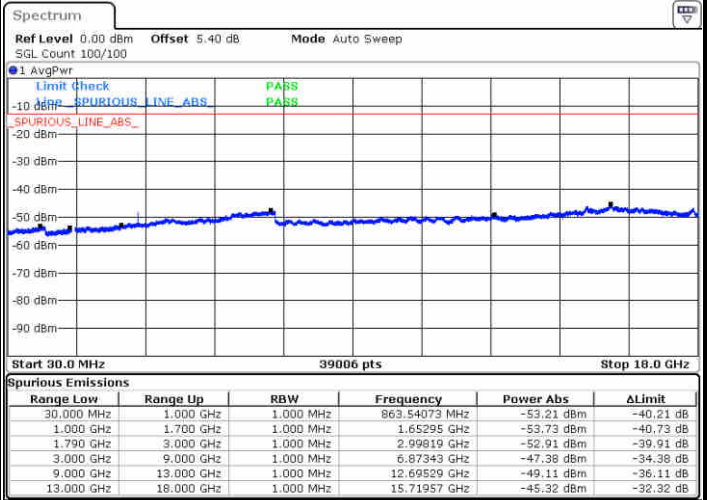
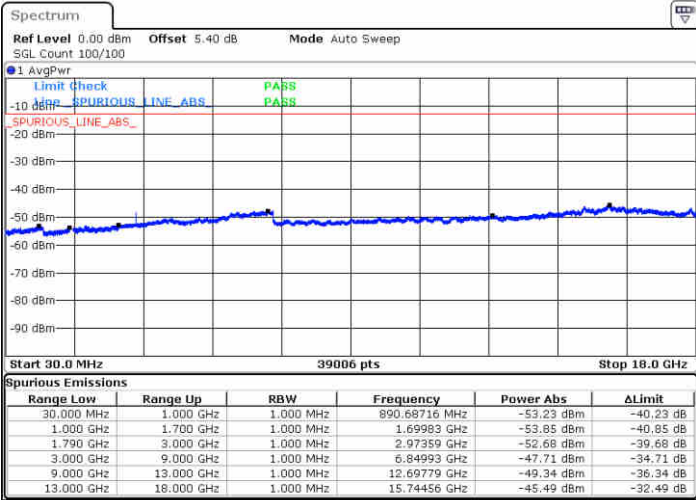




LTE Band 66 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

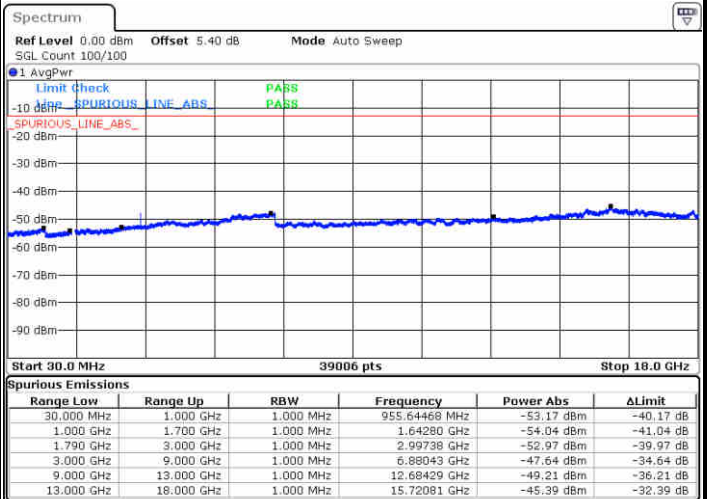
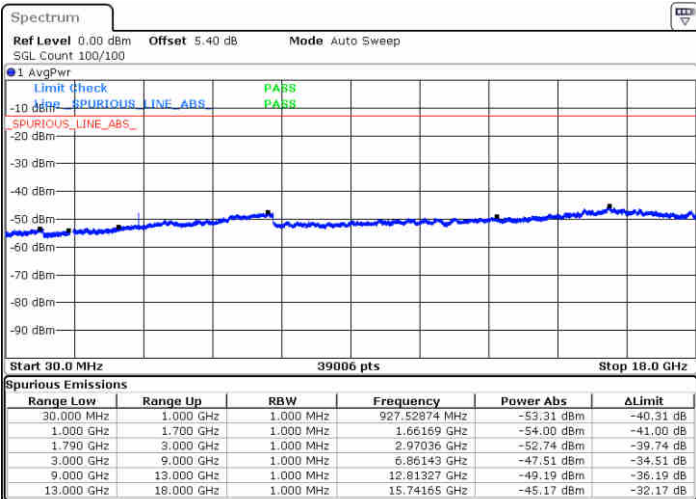


Date: 25 JUN 2019 01:57:13

Date: 25 JUN 2019 01:58:50

Middle Channel / QPSK

Middle Channel / 16QAM



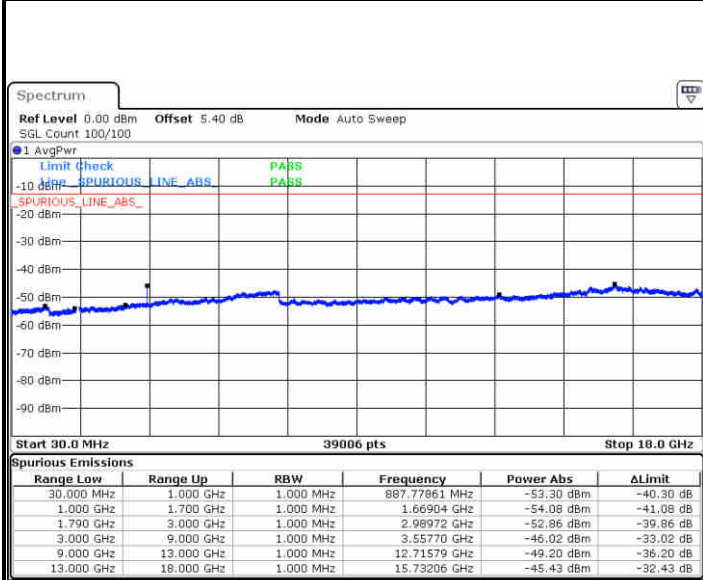
Date: 25 JUN 2019 02:06:09

Date: 25 JUN 2019 02:05:34



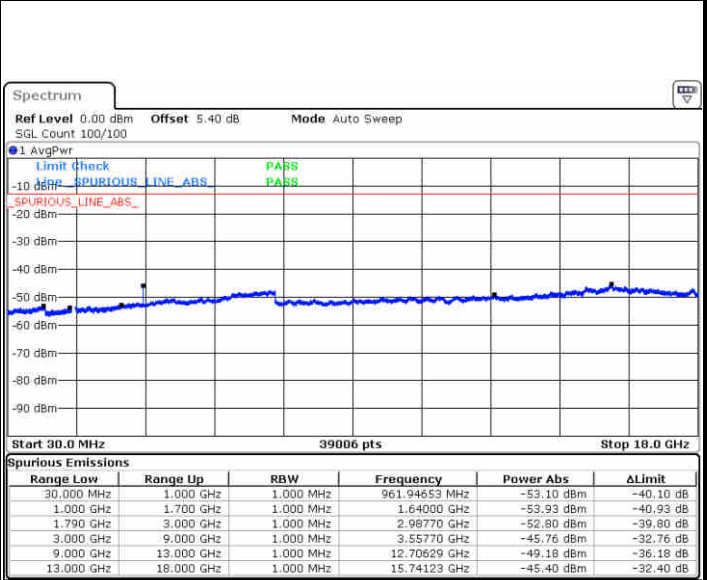
LTE Band 66 / 1.4MHz

Highest Channel / QPSK



Date: 25 JUN 2019 02:17:27

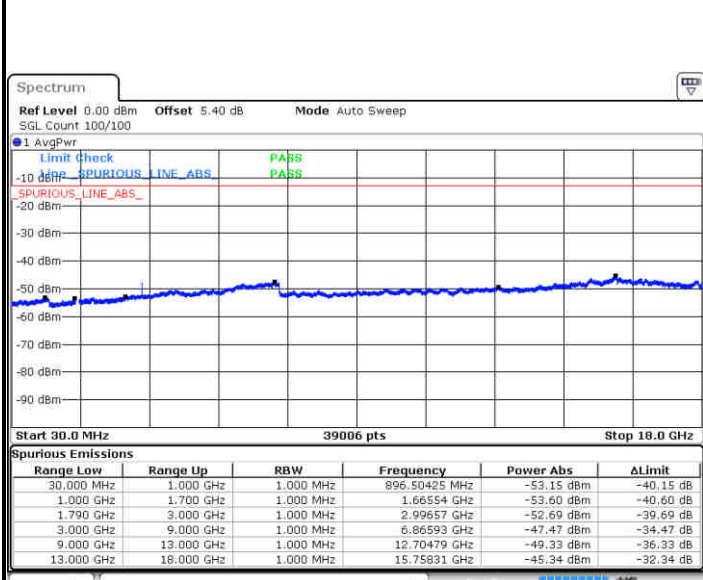
Highest Channel / 16QAM



Date: 25 JUN 2019 02:19:19

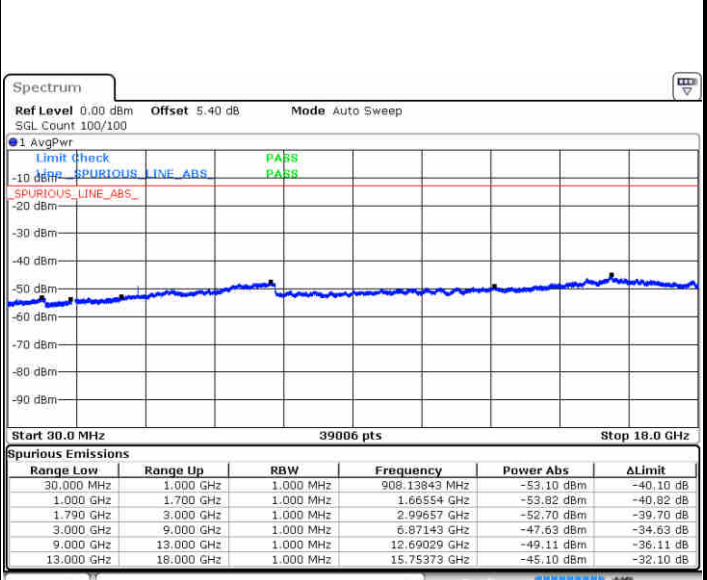
LTE Band 66 / 3MHz

Lowest Channel / QPSK



Date: 25 JUN 2019 02:27:39

Lowest Channel / 16QAM



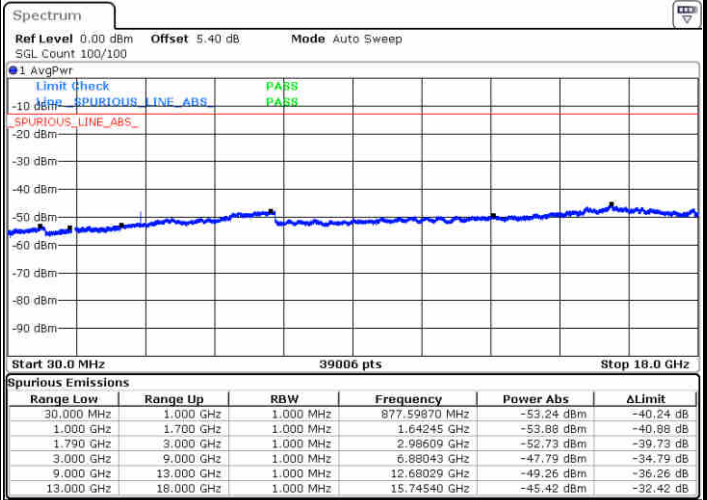
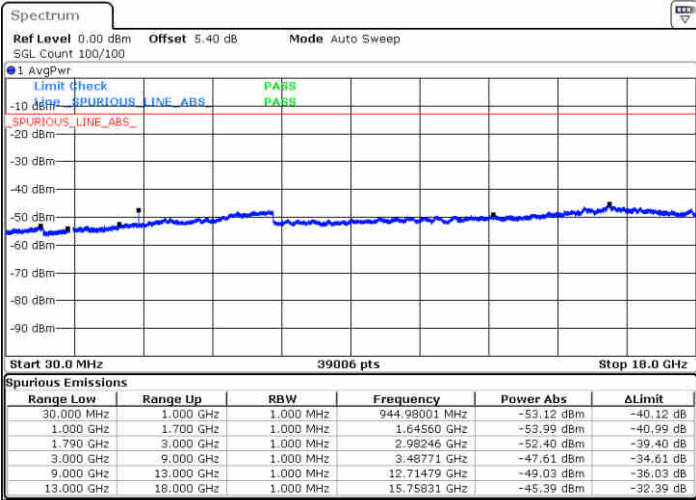
Date: 25 JUN 2019 02:26:14



LTE Band 66 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

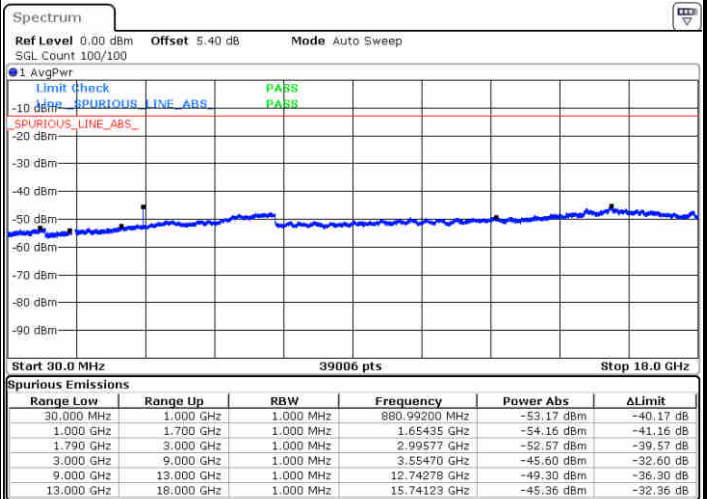
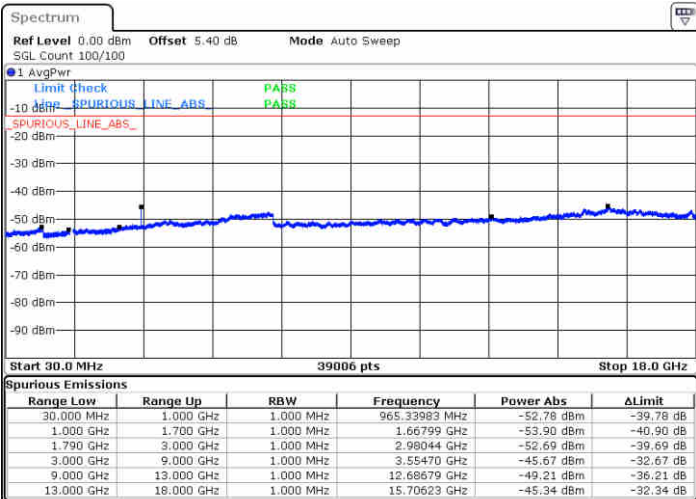


Date: 25 JUN 2019 02:28:41

Date: 25 JUN 2019 02:29:17

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 25 JUN 2019 02:40:40

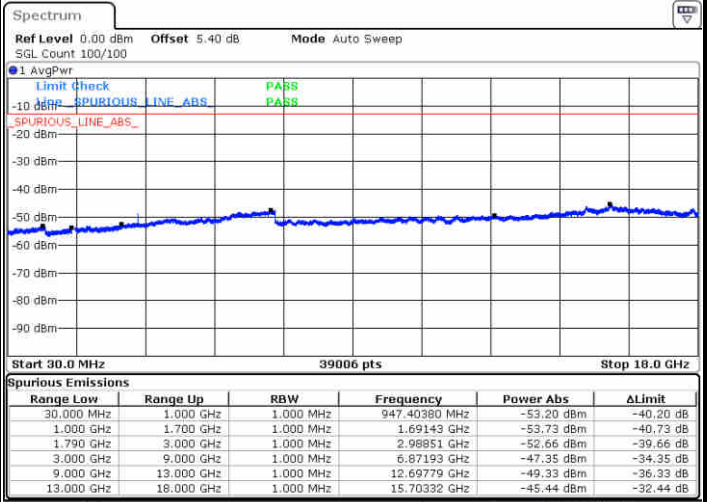
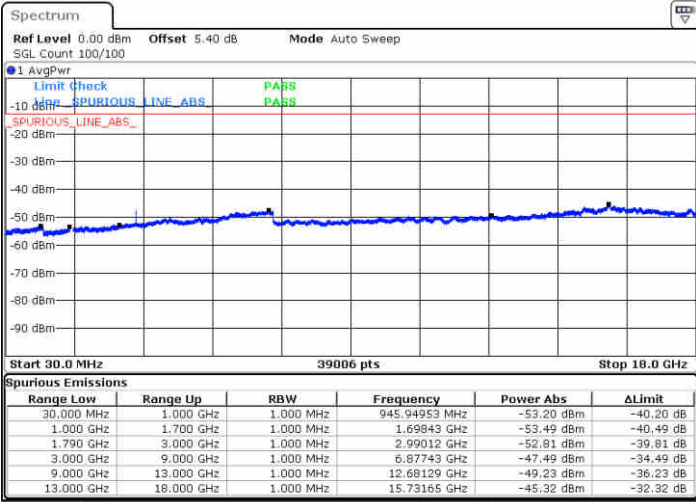
Date: 25 JUN 2019 02:40:02



LTE Band 66 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

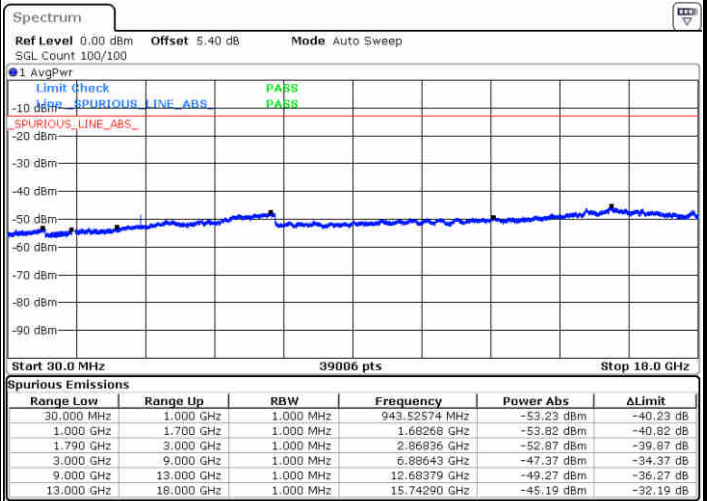
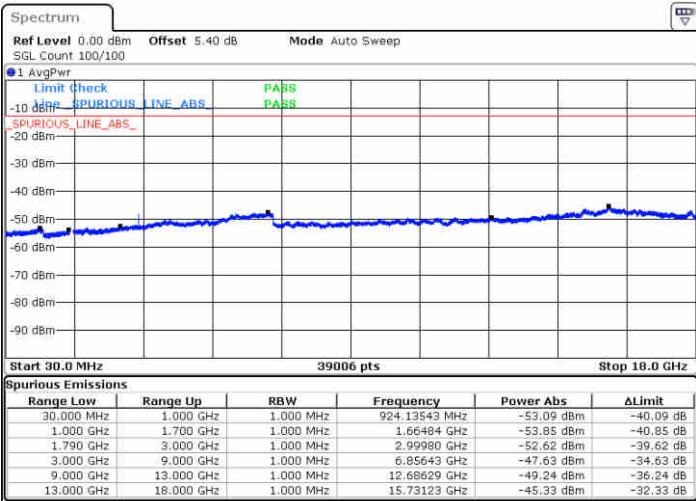


Date: 25 JUN 2019 02:46:27

Date: 25 JUN 2019 02:45:25

Middle Channel / QPSK

Middle Channel / 16QAM



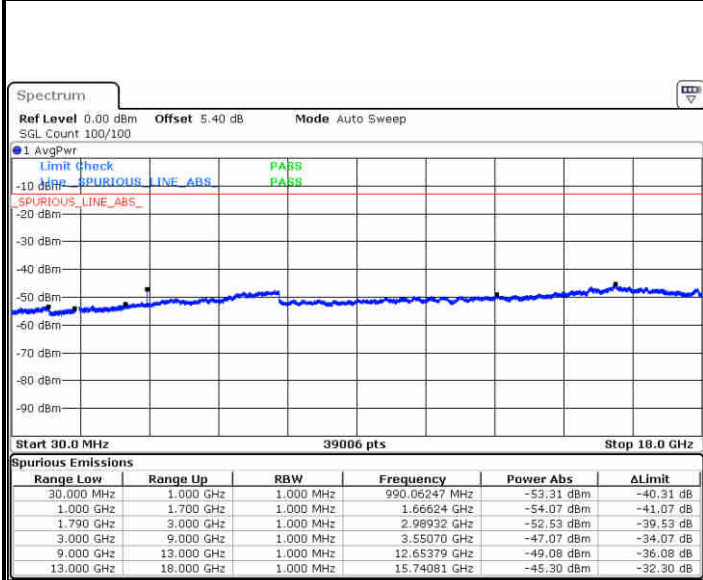
Date: 25 JUN 2019 02:47:14

Date: 25 JUN 2019 02:48:02



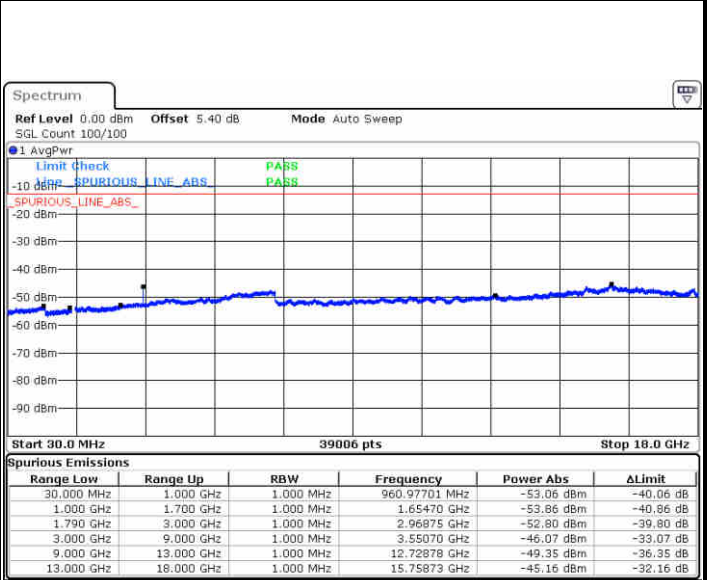
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 25 JUN 2019 02:53:39

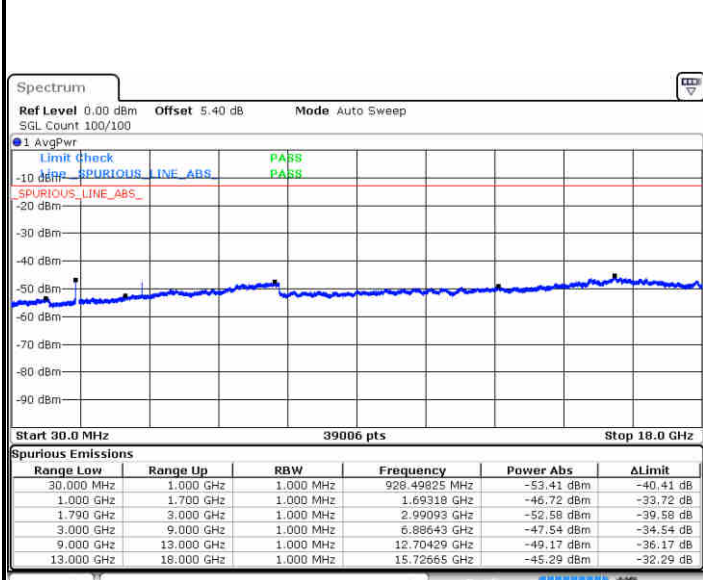
Highest Channel / 16QAM



Date: 25 JUN 2019 02:53:02

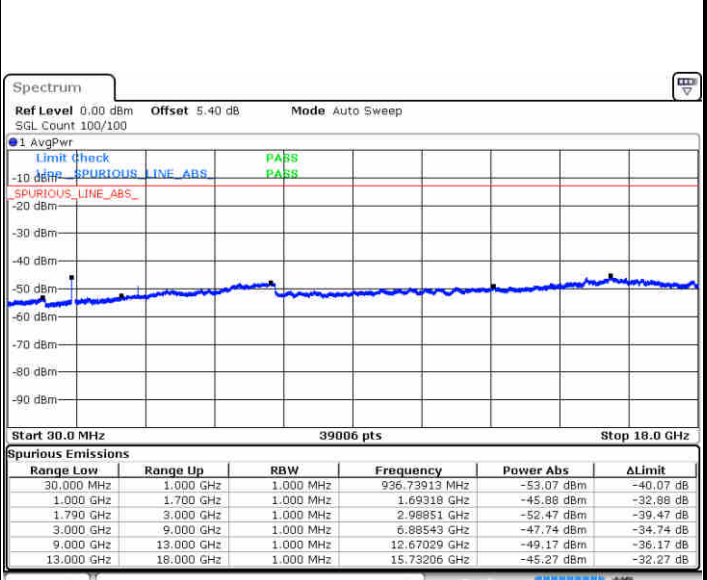
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 25 JUN 2019 03:03:01

Lowest Channel / 16QAM



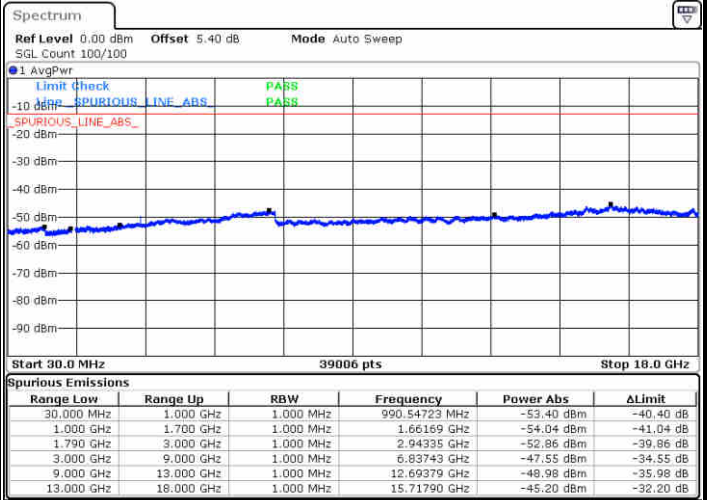
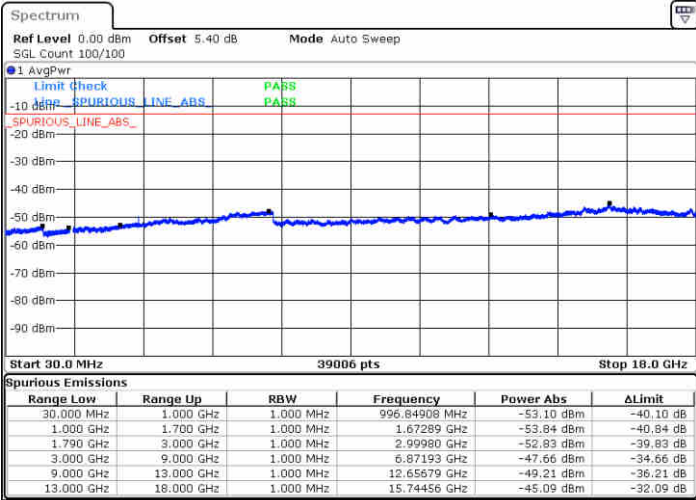
Date: 25 JUN 2019 03:02:16



LTE Band 66 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

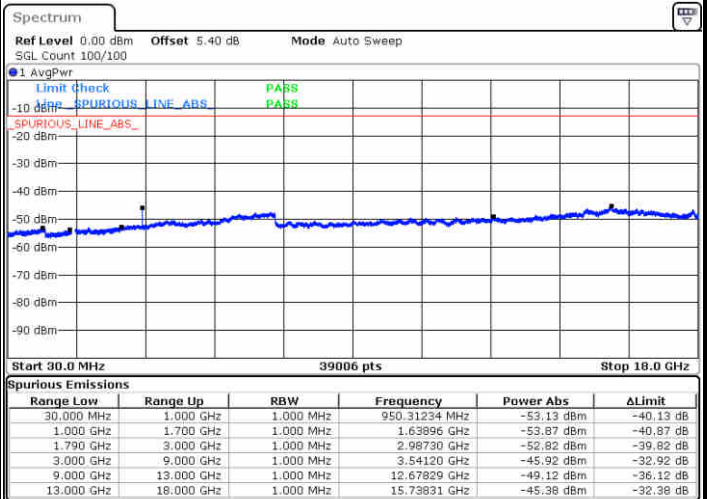
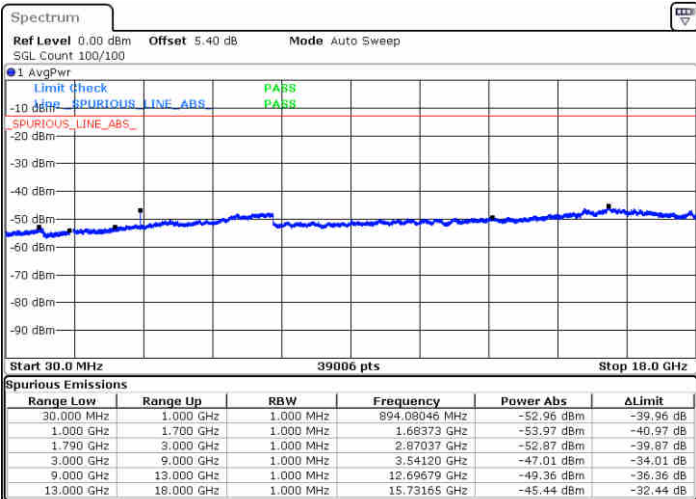


Date: 25 JUN 2019 03:04:12

Date: 25 JUN 2019 03:04:51

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 25 JUN 2019 03:10:46

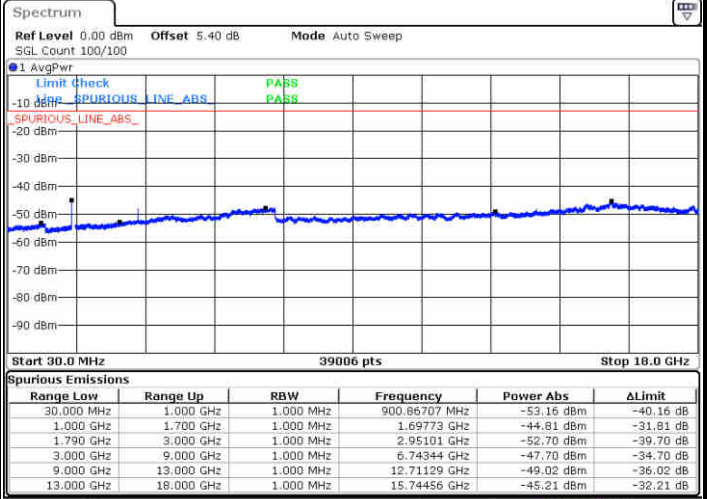
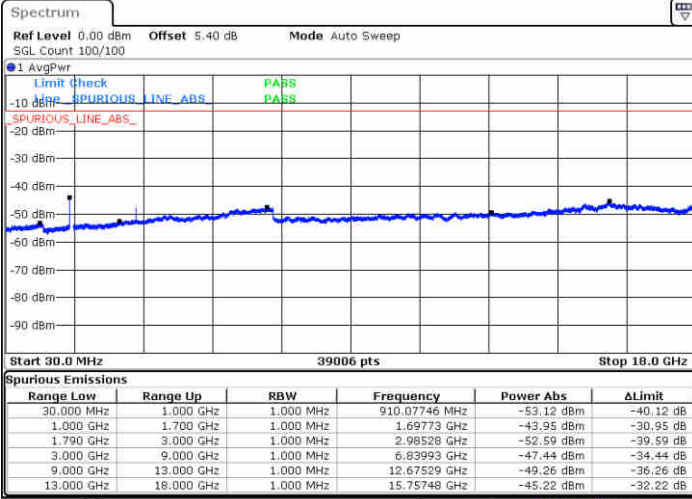
Date: 25 JUN 2019 03:11:35



LTE Band 66 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

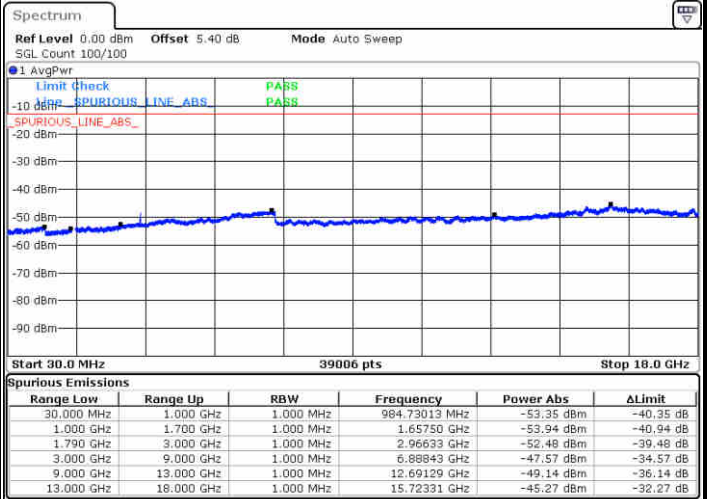
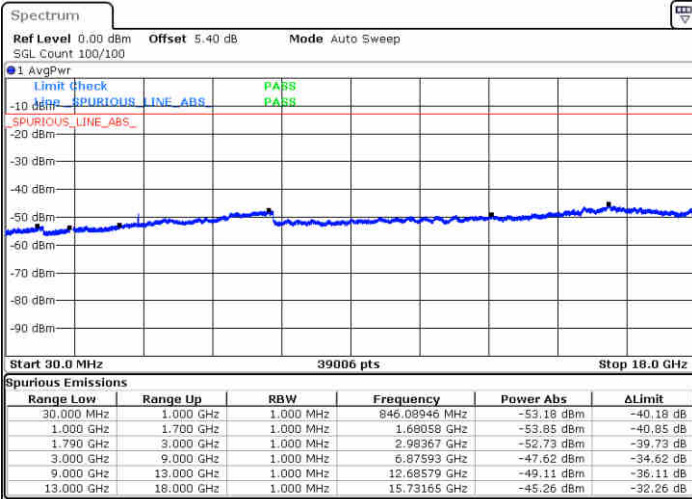


Date: 25 JUN 2019 03:18:16

Date: 25 JUN 2019 03:17:25

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 25 JUN 2019 03:19:34

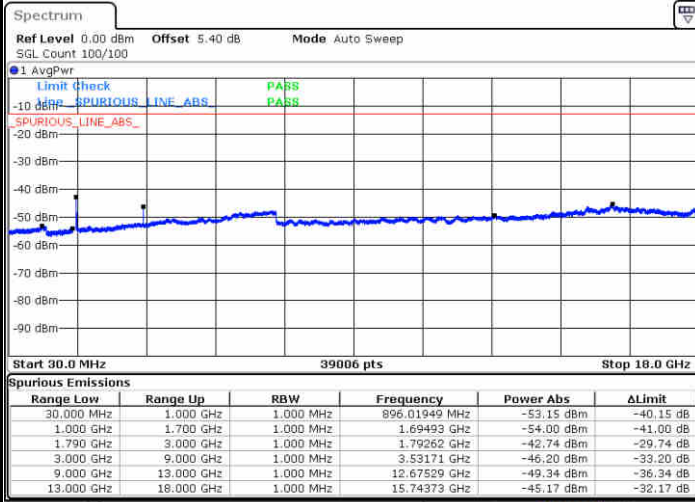
Date: 25 JUN 2019 03:20:35





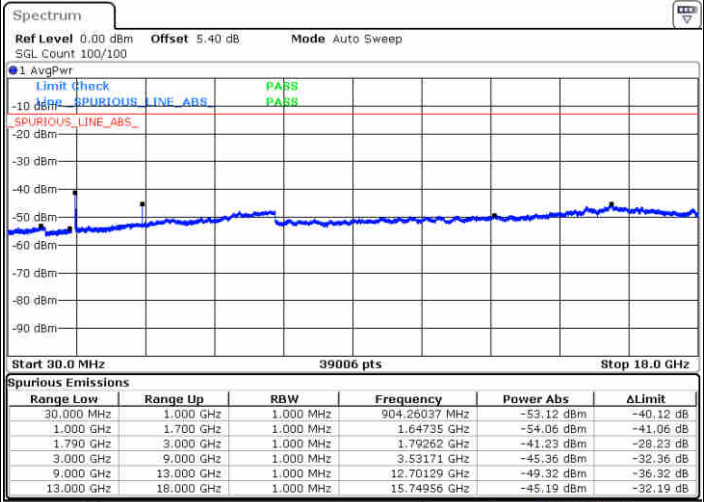
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 25 JUN 2019 03:24:54

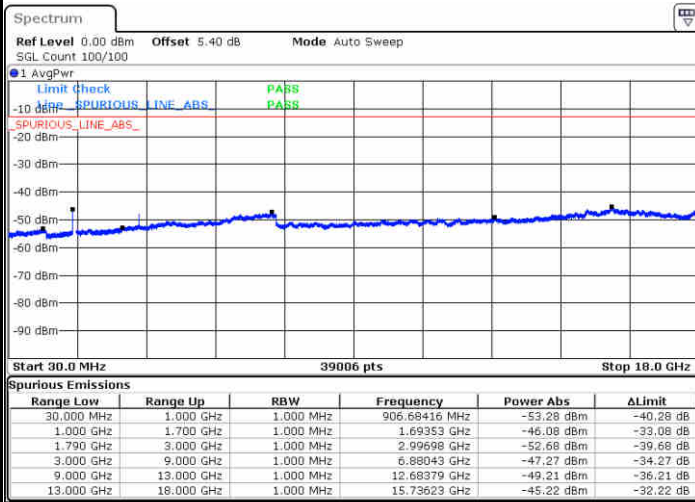
Highest Channel / 16QAM



Date: 25 JUN 2019 03:26:42

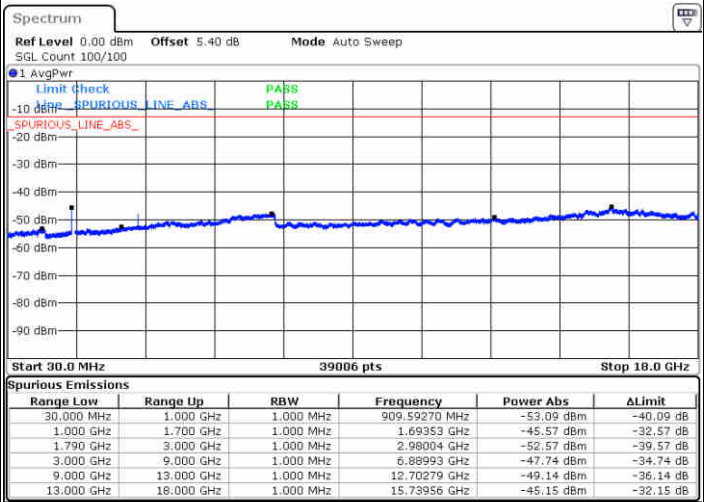
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 25 JUN 2019 03:33:32

Lowest Channel / 16QAM



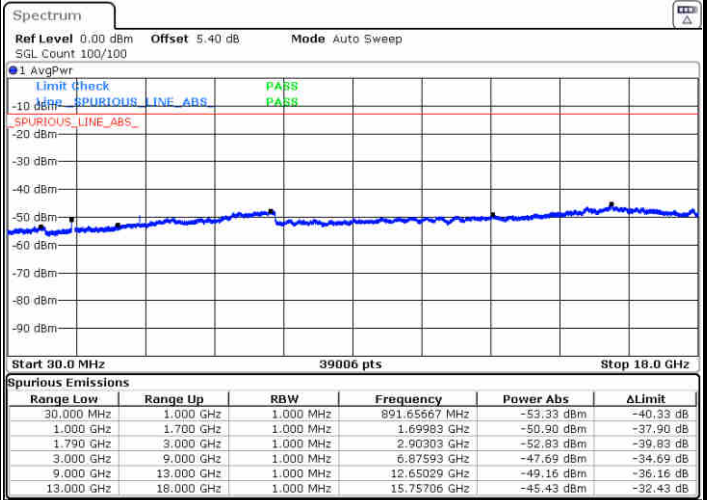
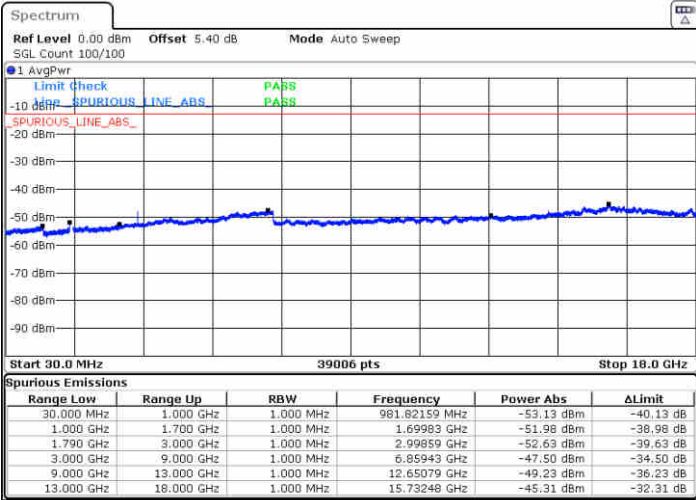
Date: 25 JUN 2019 03:32:28



LTE Band 66 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

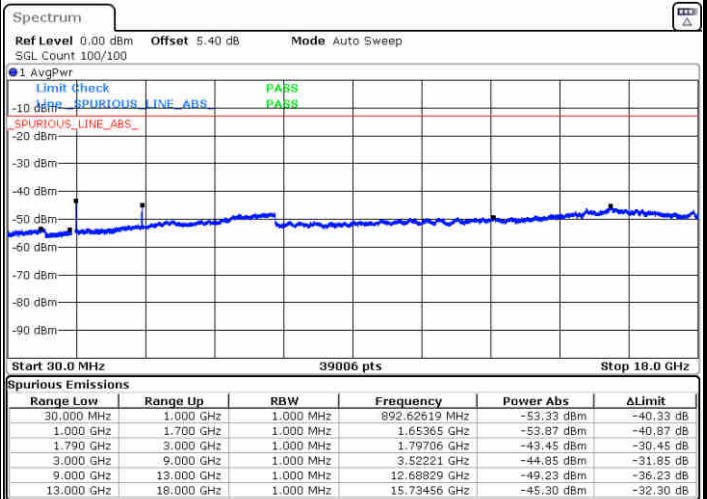
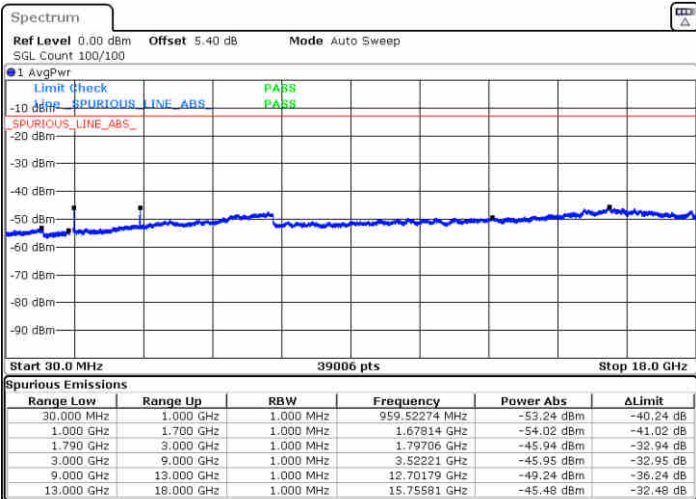


Date: 25 JUN 2019 03:36:01

Date: 25 JUN 2019 03:37:16

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 25 JUN 2019 03:45:28

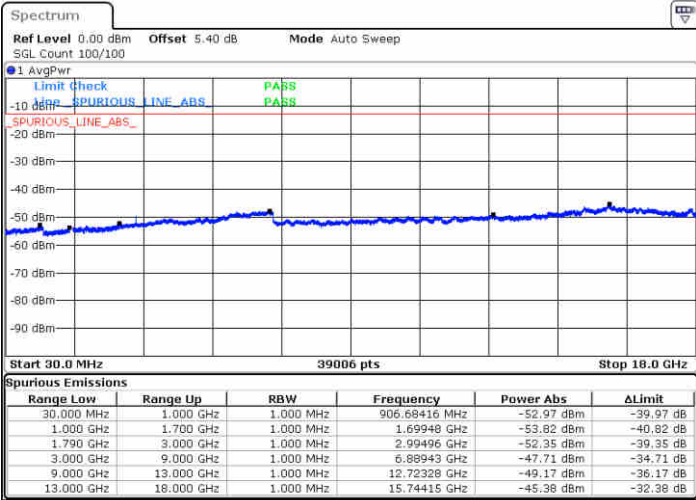
Date: 25 JUN 2019 03:46:22



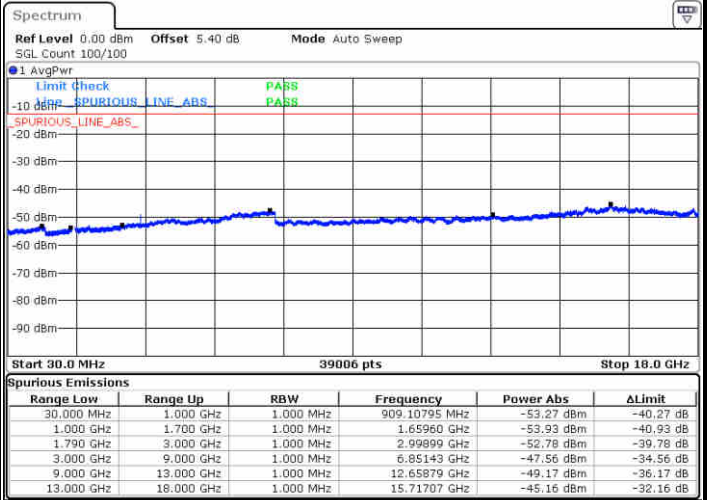
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

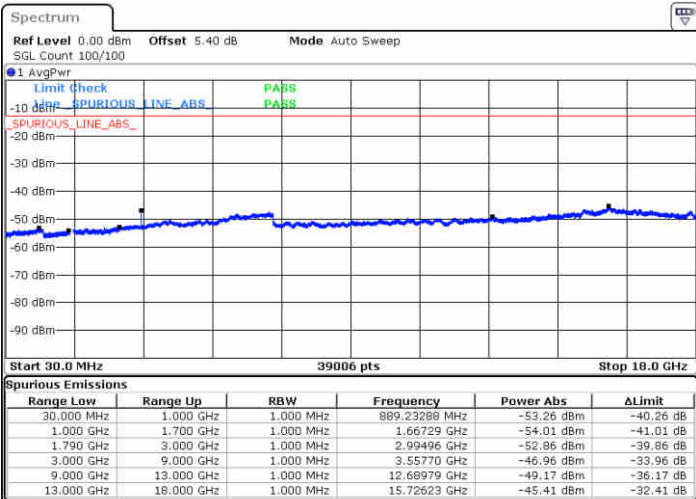


Date: 25 JUN 2019 01:59:35



Date: 25 JUN 2019 02:01:40

Highest Channel / 64QAM

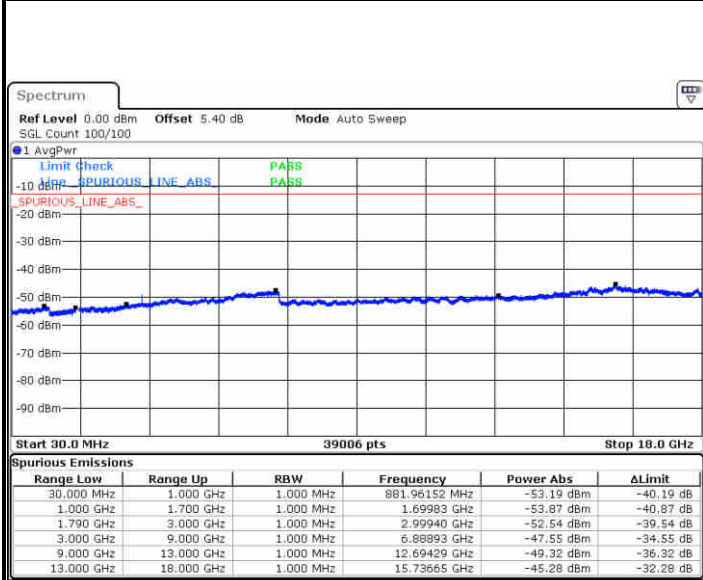


Date: 25 JUN 2019 02:20:13



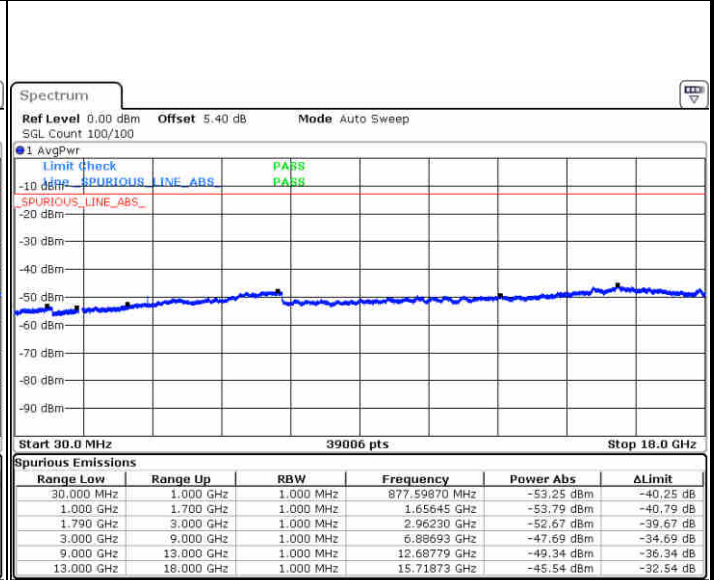
LTE Band 66 / 3MHz

Lowest Channel / 64QAM



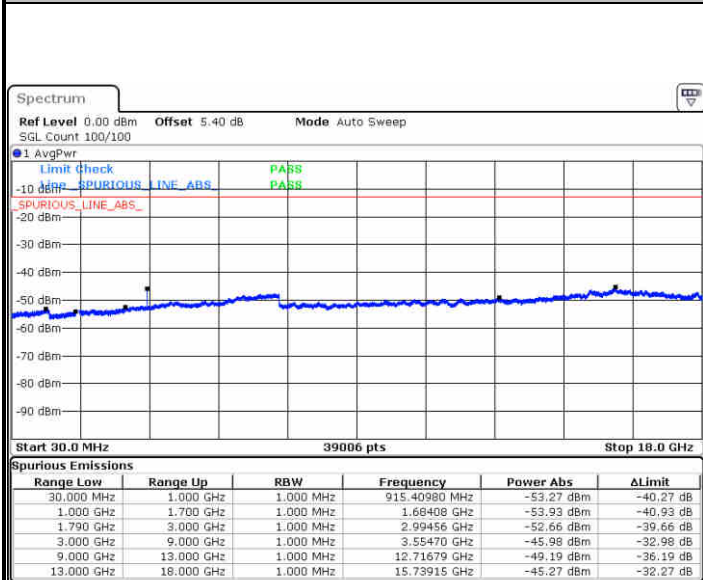
Date: 25 JUN 2019 02:25:04

Middle Channel / 64QAM



Date: 25 JUN 2019 02:29:56

Highest Channel / 64QAM



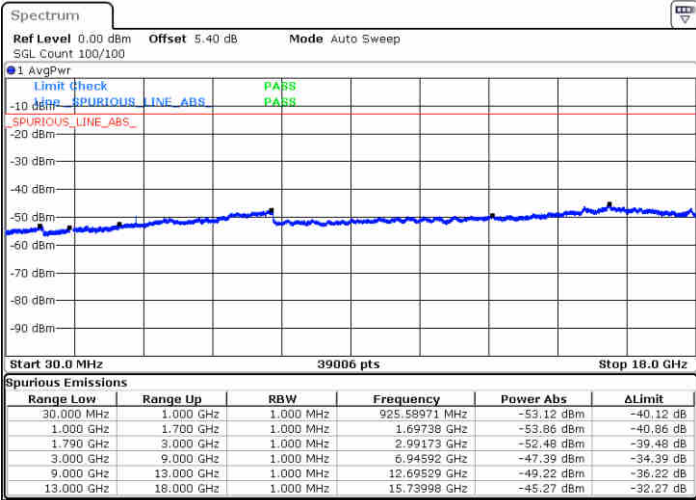
Date: 25 JUN 2019 02:39:28



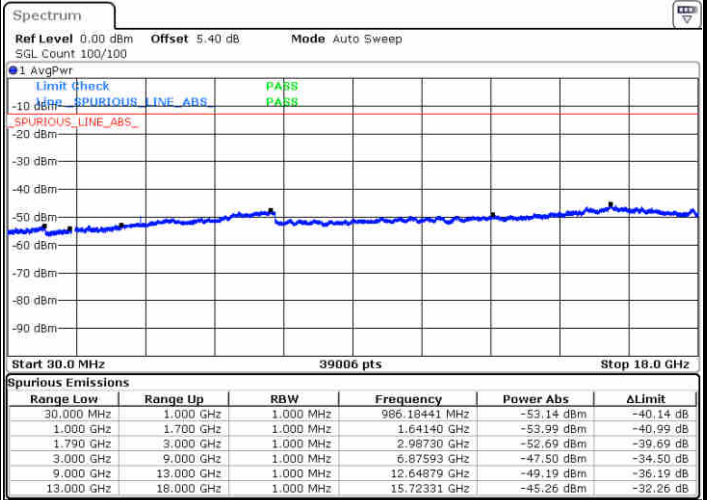
LTE Band 66 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

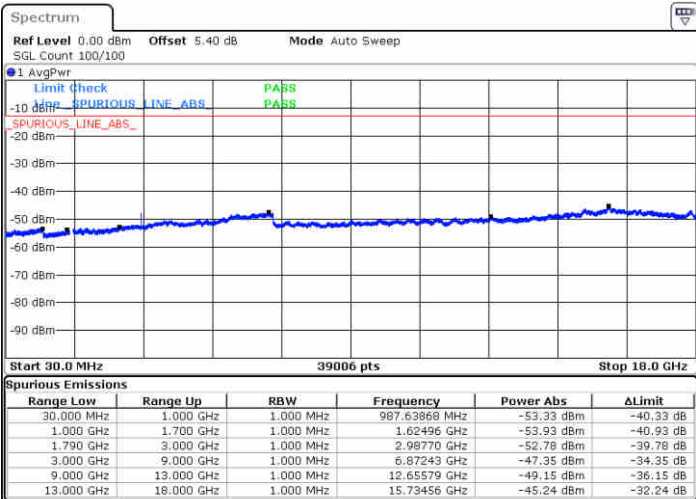


Date: 25 JUN 2019 02:44:31



Date: 25 JUN 2019 02:48:46

Highest Channel / 64QAM

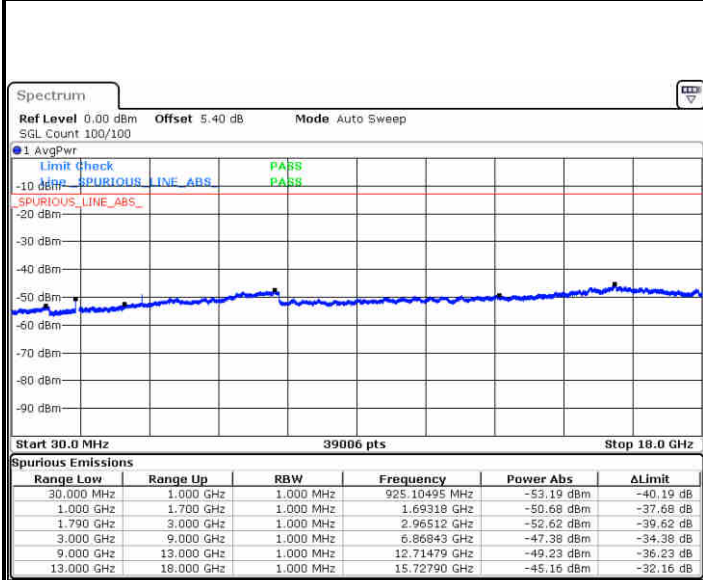


Date: 25 JUN 2019 02:52:27



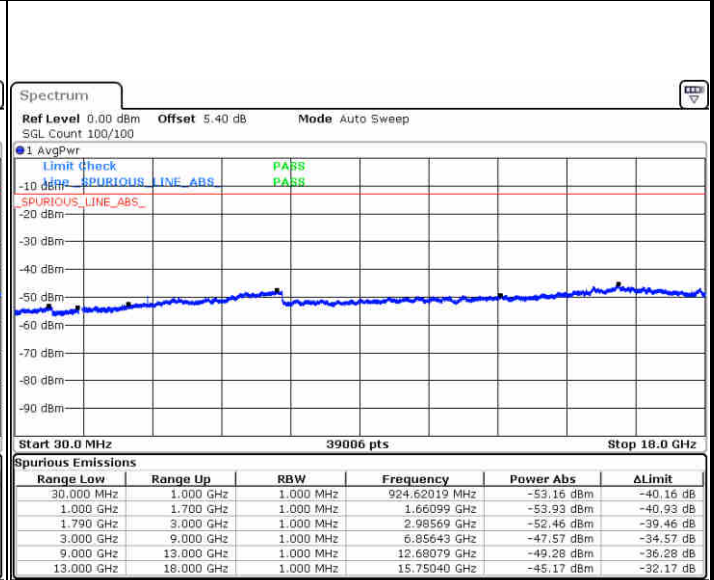
**LTE Band 66 / 10MHz**

**Lowest Channel / 64QAM**



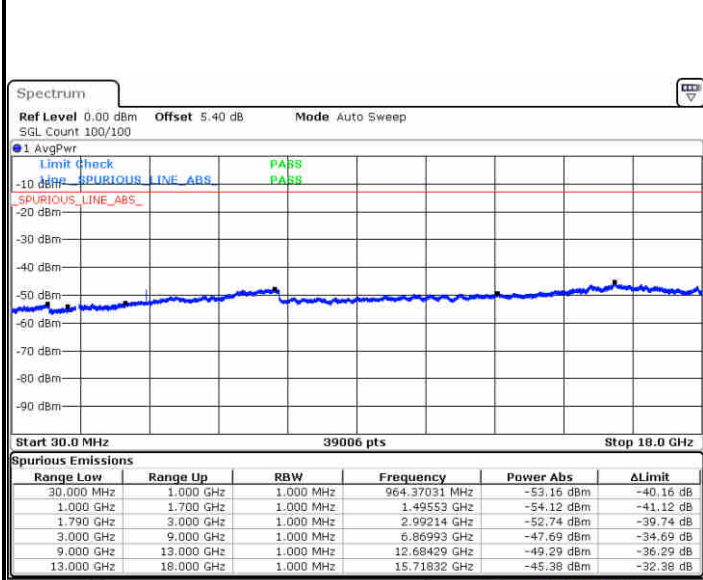
Date: 25 JUN 2019 03:00:51

**Middle Channel / 64QAM**



Date: 25 JUN 2019 03:05:58

**Highest Channel / 64QAM**

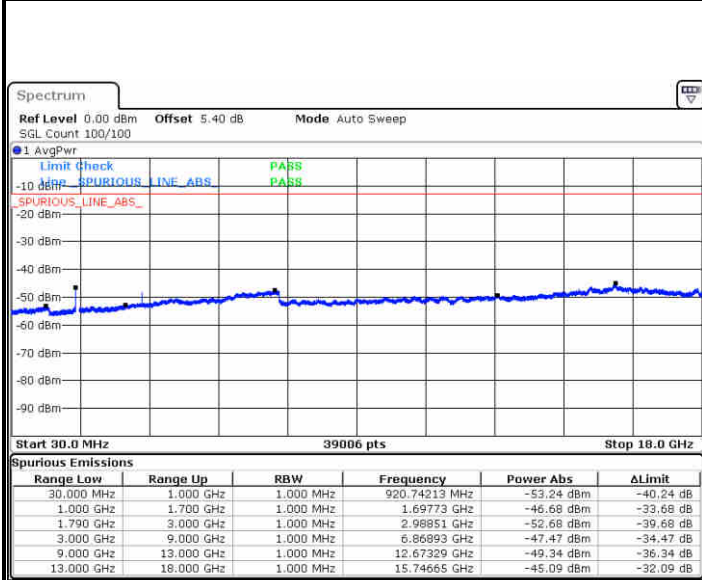


Date: 25 JUN 2019 03:12:30



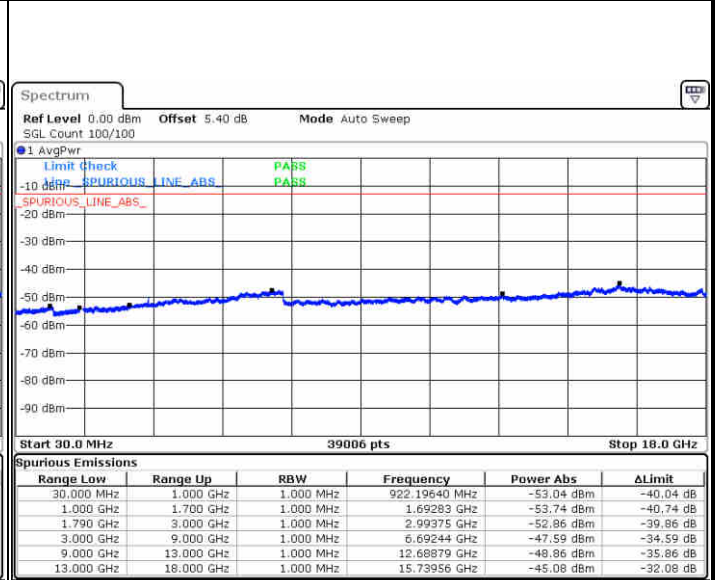
**LTE Band 66 / 15MHz**

**Lowest Channel / 64QAM**



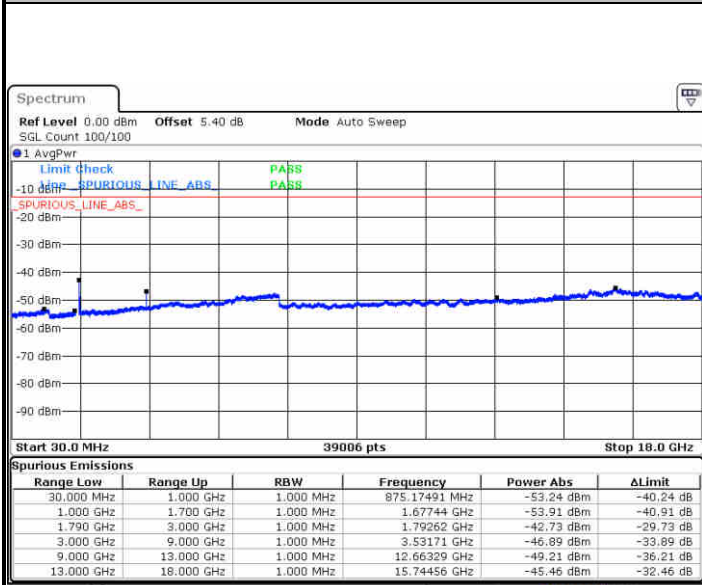
Date: 25 JUN 2019 03:16:06

**Middle Channel / 64QAM**



Date: 25 JUN 2019 03:21:13

**Highest Channel / 64QAM**



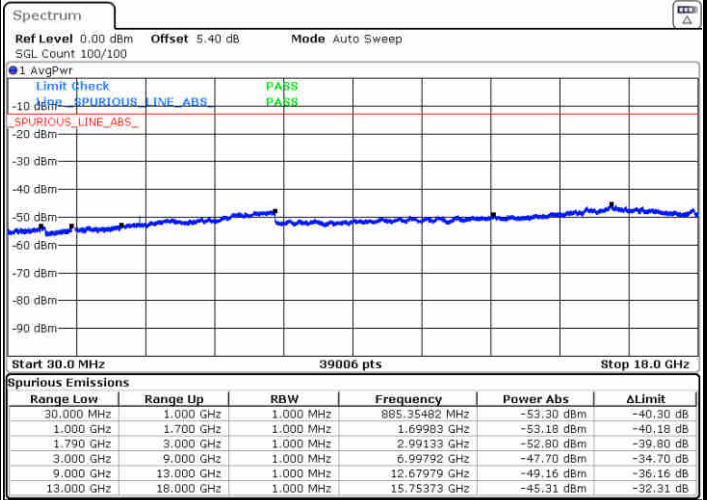
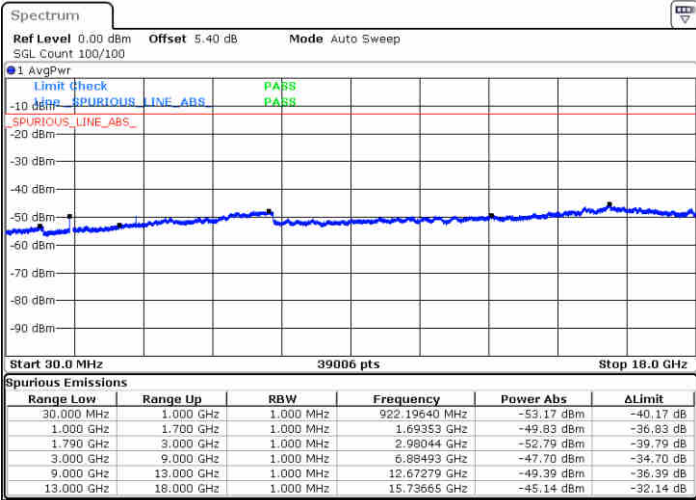
Date: 25 JUN 2019 03:27:22



LTE Band 66 / 20MHz

Lowest Channel / 64QAM

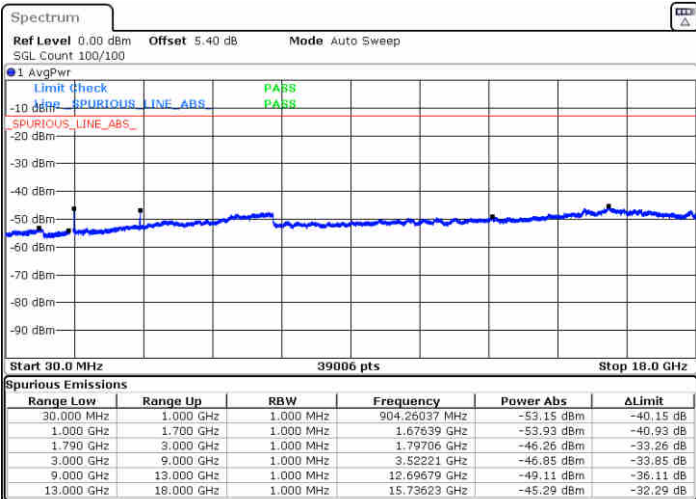
Middle Channel / 64QAM



Date: 25 JUN 2019 03:31:02

Date: 25 JUN 2019 03:38:07

Highest Channel / 64QAM



Date: 25 JUN 2019 03:47:18





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    | 0.0012                             | PASS    |
| 40               | Normal Voltage    | 0.0004                             |         |
| 30               | Normal Voltage    | 0.0018                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0003                             |         |
| 0                | Normal Voltage    | 0.0022                             |         |
| -10              | Normal Voltage    | 0.0025                             |         |
| -20              | Normal Voltage    | 0.0003                             |         |
| -30              | Normal Voltage    | 0.0027                             |         |
| 20               | Maximum Voltage   | 0.0003                             |         |
| 20               | Normal Voltage    | 0.0000                             |         |
| 20               | Battery End Point | 0.0022                             |         |

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 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    | 0.0028                             | PASS    |
| 40               | Normal Voltage    | 0.0019                             |         |
| 30               | Normal Voltage    | 0.0033                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0018                             |         |
| 0                | Normal Voltage    | 0.0022                             |         |
| -10              | Normal Voltage    | 0.0026                             |         |
| -20              | Normal Voltage    | 0.0022                             |         |
| -30              | Normal Voltage    | 0.0015                             |         |
| 20               | Maximum Voltage   | 0.0043                             |         |
| 20               | Normal Voltage    | 0.0000                             |         |
| 20               | Battery End Point | 0.0014                             |         |

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 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    | 0.0011                             | PASS   |
| 40               | Normal Voltage    | 0.0028                             |        |
| 30               | Normal Voltage    | 0.0040                             |        |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |        |
| 10               | Normal Voltage    | 0.0066                             |        |
| 0                | Normal Voltage    | 0.0049                             |        |
| -10              | Normal Voltage    | 0.0041                             |        |
| -20              | Normal Voltage    | 0.0033                             |        |
| -30              | Normal Voltage    | 0.0015                             |        |
| 20               | Maximum Voltage   | 0.0041                             |        |
| 20               | Normal Voltage    | 0.0000                             |        |
| 20               | Battery End Point | 0.0022                             |        |

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 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    | 0.0001                             | PASS    |
| 40               | Normal Voltage    | 0.0017                             |         |
| 30               | Normal Voltage    | 0.0050                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0057                             |         |
| 0                | Normal Voltage    | 0.0059                             |         |
| -10              | Normal Voltage    | 0.0051                             |         |
| -20              | Normal Voltage    | 0.0022                             |         |
| -30              | Normal Voltage    | 0.0010                             |         |
| 20               | Maximum Voltage   | 0.0060                             |         |
| 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 =4.4 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    | 0.0011                              | PASS    |
| 40               | Normal Voltage    | 0.0023                              |         |
| 30               | Normal Voltage    | 0.0085                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0102                              |         |
| 0                | Normal Voltage    | 0.0006                              |         |
| -10              | Normal Voltage    | 0.0023                              |         |
| -20              | Normal Voltage    | 0.0073                              |         |
| -30              | Normal Voltage    | 0.0066                              |         |
| 20               | Maximum Voltage   | 0.0011                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0106                              |         |

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



| Test Conditions  |                   | LTE Band 13 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0041                              | PASS    |
| 40               | Normal Voltage    | 0.0035                              |         |
| 30               | Normal Voltage    | 0.0005                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0026                              |         |
| 0                | Normal Voltage    | 0.0040                              |         |
| -10              | Normal Voltage    | 0.0011                              |         |
| -20              | Normal Voltage    | 0.0043                              |         |
| -30              | Normal Voltage    | 0.0006                              |         |
| 20               | Maximum Voltage   | 0.0036                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0026                              |         |

**Note:**

1. Normal Voltage =3.8V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.4V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



| Test Conditions  |                   | LTE Band 66 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0003                              | PASS    |
| 40               | Normal Voltage    | 0.0018                              |         |
| 30               | Normal Voltage    | 0.0007                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0015                              |         |
| 0                | Normal Voltage    | 0.0023                              |         |
| -10              | Normal Voltage    | 0.0019                              |         |
| -20              | Normal Voltage    | 0.0031                              |         |
| -30              | Normal Voltage    | 0.0011                              |         |
| 20               | Maximum Voltage   | 0.0020                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0025                              |         |

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 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 / 20MHz / QPSK |                   |              |               |                   |                    |                      |                       |                    |
|---------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                    | 3702              | -58.16       | -13           | -45.16            | -70.42             | 2.641                | 14.90                 | H                  |
|                           | 5553              | -57.33       | -13           | -44.33            | -69.19             | 2.94                 | 14.80                 | H                  |
|                           | 7404              | -52.41       | -13           | -39.41            | -62.18             | 3.39                 | 13.16                 | H                  |
|                           | 3702              | -57.33       | -13           | -44.33            | -69.59             | 2.64                 | 14.90                 | V                  |
|                           | 5553              | -57.66       | -13           | -44.66            | -69.52             | 2.94                 | 14.80                 | V                  |
|                           | 7404              | -51.85       | -13           | -38.85            | -61.62             | 3.39                 | 13.16                 | V                  |
| Middle                    | 3741              | -59.41       | -13           | -46.41            | -71.67             | 2.641                | 14.90                 | H                  |
|                           | 5613              | -52.09       | -13           | -39.09            | -63.95             | 2.94                 | 14.80                 | H                  |
|                           | 7488              | -51.99       | -13           | -38.99            | -61.76             | 3.39                 | 13.16                 | H                  |
|                           | 3741              | -58.83       | -13           | -45.83            | -71.09             | 2.64                 | 14.90                 | V                  |
|                           | 5613              | -50.51       | -13           | -37.51            | -62.37             | 2.94                 | 14.80                 | V                  |
|                           | 7488              | -51.53       | -13           | -38.53            | -61.30             | 3.39                 | 13.16                 | V                  |
| Highest                   | 3783              | -58.09       | -13           | -45.09            | -70.35             | 2.641                | 14.90                 | H                  |
|                           | 5673              | -56.50       | -13           | -43.50            | -68.36             | 2.94                 | 14.80                 | H                  |
|                           | 7560              | -51.90       | -13           | -38.90            | -61.67             | 3.39                 | 13.16                 | H                  |
|                           | 3783              | -59.12       | -13           | -46.12            | -71.38             | 2.64                 | 14.90                 | V                  |
|                           | 5673              | -56.29       | -13           | -43.29            | -68.15             | 2.94                 | 14.80                 | V                  |
|                           | 7560              | -51.82       | -13           | -38.82            | -61.59             | 3.39                 | 13.16                 | V                  |

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





| LTE Band 4 / 20MHz / QPSK |                   |              |               |                   |                    |                      |                       |                    |
|---------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                    | 3423              | -58.15       | -13           | -45.15            | -68.89             | 2.604                | 13.34                 | H                  |
|                           | 5133              | -58.43       | -13           | -45.43            | -68.94             | 3.011                | 13.52                 | H                  |
|                           | 6840              | -55.00       | -13           | -42.00            | -65.20             | 3.271                | 13.47                 | H                  |
|                           | 3423              | -56.85       | -13           | -43.85            | -67.59             | 2.604                | 13.34                 | V                  |
|                           | 5133              | -58.08       | -13           | -45.08            | -68.59             | 3.011                | 13.52                 | V                  |
|                           | 6840              | -54.81       | -13           | -41.81            | -65.01             | 3.271                | 13.47                 | V                  |
| Middle                    | 3447              | -57.95       | -13           | -44.95            | -68.69             | 2.604                | 13.34                 | H                  |
|                           | 5172              | -58.46       | -13           | -45.46            | -68.97             | 3.011                | 13.52                 | H                  |
|                           | 6900              | -54.61       | -13           | -41.61            | -64.81             | 3.271                | 13.47                 | H                  |
|                           | 3447              | -54.78       | -13           | -41.78            | -65.52             | 2.604                | 13.34                 | V                  |
|                           | 5172              | -58.90       | -13           | -45.90            | -69.41             | 3.011                | 13.52                 | V                  |
|                           | 6900              | -54.10       | -13           | -41.10            | -64.30             | 3.271                | 13.47                 | V                  |
| Highest                   | 3471              | -60.46       | -13           | -47.46            | -71.20             | 2.604                | 13.34                 | H                  |
|                           | 5208              | -58.53       | -13           | -45.53            | -69.04             | 3.011                | 13.52                 | H                  |
|                           | 6948              | -54.04       | -13           | -41.04            | -64.24             | 3.271                | 13.47                 | H                  |
|                           | 3471              | -58.97       | -13           | -45.97            | -69.71             | 2.604                | 13.34                 | V                  |
|                           | 5208              | -58.76       | -13           | -45.76            | -69.27             | 3.011                | 13.52                 | V                  |
|                           | 6948              | -53.31       | -13           | -40.31            | -63.51             | 3.271                | 13.47                 | V                  |

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



| LTE Band 5 / 10MHz / QPSK |                   |             |               |                   |                    |                      |                       |                    |
|---------------------------|-------------------|-------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                    | 1650              | -68.87      | -13           | -55.87            | -75.84             | 1.58                 | 10.70                 | H                  |
|                           | 2474              | -63.40      | -13           | -50.40            | -71.65             | 2.102                | 12.50                 | H                  |
|                           | 3300              | -64.29      | -13           | -51.29            | -73.18             | 2.856                | 13.90                 | H                  |
|                           | 1650              | -68.77      | -13           | -55.77            | -75.74             | 1.58                 | 10.70                 | V                  |
|                           | 2474              | -64.19      | -13           | -51.19            | -72.44             | 2.10                 | 12.50                 | V                  |
|                           | 3300              | -64.16      | -13           | -51.16            | -73.05             | 2.86                 | 13.90                 | V                  |
| Middle                    | 1664              | -68.50      | -13           | -55.50            | -75.47             | 1.58                 | 10.70                 | H                  |
|                           | 2496              | -62.04      | -13           | -49.04            | -70.29             | 2.102                | 12.50                 | H                  |
|                           | 3330              | -64.40      | -13           | -51.40            | -73.29             | 2.856                | 13.90                 | H                  |
|                           | 1664              | -68.83      | -13           | -55.83            | -75.80             | 1.58                 | 10.70                 | V                  |
|                           | 2496              | -63.37      | -13           | -50.37            | -71.62             | 2.10                 | 12.50                 | V                  |
|                           | 3330              | -64.16      | -13           | -51.16            | -73.05             | 2.86                 | 13.90                 | V                  |
| Highest                   | 1680              | -69.12      | -13           | -56.12            | -76.09             | 1.58                 | 10.70                 | H                  |
|                           | 2518              | -61.74      | -13           | -48.74            | -69.99             | 2.102                | 12.50                 | H                  |
|                           | 3360              | -64.60      | -13           | -51.60            | -73.49             | 2.856                | 13.90                 | H                  |
|                           | 1680              | -69.09      | -13           | -56.09            | -76.06             | 1.58                 | 10.70                 | V                  |
|                           | 2518              | -62.90      | -13           | -49.90            | -71.15             | 2.10                 | 12.50                 | V                  |
|                           | 3360              | -64.50      | -13           | -51.50            | -73.39             | 2.86                 | 13.90                 | V                  |

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



| LTE Band 7 / 20MHz / QPSK |                   |              |               |                   |                    |                      |                       |                    |
|---------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                    | 5004              | -67.44       | -25           | -42.44            | -77.65             | 3.03                 | 13.24                 | H                  |
|                           | 7504              | -60.59       | -25           | -35.59            | -70.04             | 3.56                 | 13.01                 | H                  |
|                           | 10000             | -56.98       | -25           | -31.98            | -66.50             | 3.92                 | 13.44                 | H                  |
|                           | 5004              | -65.80       | -25           | -40.80            | -76.01             | 3.03                 | 13.24                 | V                  |
|                           | 7504              | -59.32       | -25           | -34.32            | -68.77             | 3.56                 | 13.01                 | V                  |
|                           | 10000             | -58.64       | -25           | -33.64            | -68.16             | 3.92                 | 13.44                 | V                  |
| Middle                    | 5052              | -66.94       | -25           | -41.94            | -77.15             | 3.03                 | 13.24                 | H                  |
|                           | 7580              | -60.83       | -25           | -35.83            | -70.28             | 3.56                 | 13.01                 | H                  |
|                           | 10100             | -57.37       | -25           | -32.37            | -66.89             | 3.92                 | 13.44                 | H                  |
|                           | 5052              | -65.67       | -25           | -40.67            | -75.88             | 3.03                 | 13.24                 | V                  |
|                           | 7580              | -56.91       | -25           | -31.91            | -66.36             | 3.56                 | 13.01                 | V                  |
|                           | 10100             | -58.13       | -25           | -33.13            | -67.65             | 3.92                 | 13.44                 | V                  |
| Highest                   | 5104              | -66.03       | -25           | -41.03            | -76.24             | 3.03                 | 13.24                 | H                  |
|                           | 7652              | -61.16       | -25           | -36.16            | -70.61             | 3.56                 | 13.01                 | H                  |
|                           | 10200             | -58.30       | -25           | -33.30            | -67.82             | 3.92                 | 13.44                 | H                  |
|                           | 5104              | -66.32       | -25           | -41.32            | -76.53             | 3.03                 | 13.24                 | V                  |
|                           | 7652              | -61.41       | -25           | -36.41            | -70.86             | 3.56                 | 13.01                 | V                  |
|                           | 10200             | -58.59       | -25           | -33.59            | -68.11             | 3.92                 | 13.44                 | V                  |

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



| LTE Band 12 / 10MHz / QPSK |                   |             |               |                   |                    |                      |                       |                    |
|----------------------------|-------------------|-------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                     | 1400              | -68.29      | -13           | -55.29            | -75.26             | 1.58                 | 10.70                 | H                  |
|                            | 2098              | -67.15      | -13           | -54.15            | -75.40             | 2.102                | 12.50                 | H                  |
|                            | 2798              | -65.11      | -13           | -52.11            | -74.00             | 2.856                | 13.90                 | H                  |
|                            | 3498              | -63.93      | -13           | -50.93            | -72.39             | 2.689                | 13.30                 | H                  |
|                            | 1400              | -69.04      | -13           | -56.04            | -76.01             | 1.58                 | 10.70                 | V                  |
|                            | 2098              | -67.27      | -13           | -54.27            | -75.52             | 2.10                 | 12.50                 | V                  |
|                            | 2798              | -65.08      | -13           | -52.08            | -73.97             | 2.86                 | 13.90                 | V                  |
|                            | 3498              | -64.46      | -13           | -51.46            | -72.92             | 2.69                 | 13.30                 | V                  |
| Middle                     | 1406              | -68.18      | -13           | -55.18            | -75.15             | 1.58                 | 10.70                 | H                  |
|                            | 2110              | -53.40      | -13           | -40.40            | -61.65             | 2.102                | 12.50                 | H                  |
|                            | 2812              | -64.35      | -13           | -51.35            | -73.24             | 2.856                | 13.90                 | H                  |
|                            | 3516              | -63.33      | -13           | -50.33            | -71.79             | 2.689                | 13.30                 | H                  |
|                            | 1406              | -67.76      | -13           | -54.76            | -74.73             | 1.58                 | 10.70                 | V                  |
|                            | 2110              | -55.69      | -13           | -42.69            | -63.94             | 2.10                 | 12.50                 | V                  |
|                            | 2812              | -64.40      | -13           | -51.40            | -73.29             | 2.86                 | 13.90                 | V                  |
|                            | 3516              | -64.27      | -13           | -51.27            | -72.73             | 2.69                 | 13.30                 | V                  |
| Highest                    | 1414              | -68.80      | -13           | -55.80            | -75.77             | 1.58                 | 10.70                 | H                  |
|                            | 2120              | -67.98      | -13           | -54.98            | -76.23             | 2.102                | 12.50                 | H                  |
|                            | 2826              | -64.30      | -13           | -51.30            | -73.19             | 2.856                | 13.90                 | H                  |
|                            | 3534              | -63.99      | -13           | -50.99            | -72.45             | 2.689                | 13.30                 | H                  |
|                            | 1414              | -69.25      | -13           | -56.25            | -76.22             | 1.58                 | 10.70                 | V                  |
|                            | 2120              | -68.22      | -13           | -55.22            | -76.47             | 2.10                 | 12.50                 | V                  |
|                            | 2826              | -64.35      | -13           | -51.35            | -73.24             | 2.86                 | 13.90                 | V                  |
|                            | 3534              | -64.26      | -13           | -51.26            | -72.72             | 2.69                 | 13.30                 | V                  |

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



| LTE Band 13 / 5MHz / QPSK |                   |             |               |                   |                    |                      |                       |                    |
|---------------------------|-------------------|-------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                    | 1554              | -62.59      | -13           | -49.59            | -65.22             | 1.09                 | 5.87                  | H                  |
|                           | 2332              | -62.04      | -13           | -49.04            | -64.44             | 1.37                 | 5.92                  | H                  |
|                           | 3108              | -63.99      | -13           | -50.99            | -67.88             | 1.64                 | 7.68                  | H                  |
|                           | 1554              | -65.93      | -13           | -52.93            | -68.56             | 1.09                 | 5.87                  | V                  |
|                           | 2332              | -64.49      | -13           | -51.49            | -66.89             | 1.37                 | 5.92                  | V                  |
|                           | 3108              | -63.98      | -13           | -50.98            | -67.87             | 1.64                 | 7.68                  | V                  |
| Middle                    | 1560              | -63.74      | -42.15        | -21.59            | -66.37             | 1.09                 | 5.87                  | H                  |
|                           | 2339.52           | -63.74      | -13           | -50.74            | -66.14             | 1.37                 | 5.92                  | H                  |
|                           | 3120              | -64.48      | -13           | -51.48            | -68.37             | 1.64                 | 7.68                  | H                  |
|                           | 1560              | -66.31      | -42.15        | -24.16            | -68.94             | 1.09                 | 5.87                  | V                  |
|                           | 2339.52           | -65.00      | -13           | -52.00            | -67.40             | 1.37                 | 5.92                  | V                  |
|                           | 3120              | -64.67      | -13           | -51.67            | -68.56             | 1.64                 | 7.68                  | V                  |
| Highest                   | 1564              | -64.25      | -42.15        | -22.10            | -66.88             | 1.09                 | 5.87                  | H                  |
|                           | 2348              | -62.66      | -13           | -49.66            | -65.06             | 1.37                 | 5.92                  | H                  |
|                           | 3132              | -64.43      | -13           | -51.43            | -68.32             | 1.64                 | 7.68                  | H                  |
|                           | 1564              | -66.74      | -42.15        | -24.59            | -69.37             | 1.09                 | 5.87                  | V                  |
|                           | 2347.02           | -65.00      | -13           | -52.00            | -67.40             | 1.37                 | 5.92                  | V                  |
|                           | 3132              | -64.02      | -13           | -51.02            | -67.91             | 1.64                 | 7.68                  | V                  |

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

| LTE Band 13 / 10MHz / QPSK |                   |             |               |                   |                    |                      |                       |                    |
|----------------------------|-------------------|-------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                     | 1556              | -62.46      | -13           | -49.46            | -65.09             | 1.09                 | 5.87                  | H                  |
|                            | 2332              | -46.79      | -13           | -33.79            | -49.19             | 1.37                 | 5.92                  | H                  |
|                            | 3108              | -63.59      | -13           | -50.59            | -67.48             | 1.64                 | 7.68                  | H                  |
|                            | 1556              | -65.15      | -13           | -52.15            | -67.78             | 1.09                 | 5.87                  | V                  |
|                            | 2332              | -53.08      | -13           | -40.08            | -55.48             | 1.37                 | 5.92                  | V                  |
|                            | 3108              | -64.01      | -13           | -51.01            | -67.90             | 1.64                 | 7.68                  | V                  |

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



| LTE Band 66 / 20MHz / QPSK |                   |              |               |                   |                    |                      |                       |                    |
|----------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                     | 3423              | -62.55       | -13           | -49.55            | -73.29             | 2.604                | 13.34                 | H                  |
|                            | 5133              | -54.50       | -13           | -41.50            | -65.01             | 3.011                | 13.52                 | H                  |
|                            | 6840              | -55.57       | -13           | -42.57            | -65.77             | 3.271                | 13.47                 | H                  |
|                            | 3423              | -62.24       | -13           | -49.24            | -72.98             | 2.604                | 13.34                 | V                  |
|                            | 5133              | -53.13       | -13           | -40.13            | -63.64             | 3.011                | 13.52                 | V                  |
|                            | 6840              | -55.34       | -13           | -42.34            | -65.54             | 3.271                | 13.47                 | V                  |
| Middle                     | 3471              | -63.36       | -13           | -50.36            | -74.10             | 2.604                | 13.34                 | H                  |
|                            | 5208              | -56.40       | -13           | -43.40            | -66.91             | 3.011                | 13.52                 | H                  |
|                            | 6948              | -54.51       | -13           | -41.51            | -64.71             | 3.271                | 13.47                 | H                  |
|                            | 3471              | -63.31       | -13           | -50.31            | -74.05             | 2.604                | 13.34                 | V                  |
|                            | 5208              | -55.71       | -13           | -42.71            | -66.22             | 3.011                | 13.52                 | V                  |
|                            | 6948              | -53.96       | -13           | -40.96            | -64.16             | 3.271                | 13.47                 | V                  |
| Highest                    | 3522              | -62.48       | -13           | -49.48            | -73.22             | 2.604                | 13.34                 | H                  |
|                            | 5283              | -56.39       | -13           | -43.39            | -66.90             | 3.011                | 13.52                 | H                  |
|                            | 7044              | -52.88       | -13           | -39.88            | -63.08             | 3.271                | 13.47                 | H                  |
|                            | 3522              | -62.84       | -13           | -49.84            | -73.58             | 2.604                | 13.34                 | V                  |
|                            | 5283              | -56.07       | -13           | -43.07            | -66.58             | 3.011                | 13.52                 | V                  |
|                            | 7044              | -52.92       | -13           | -39.92            | -63.12             | 3.271                | 13.47                 | V                  |

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