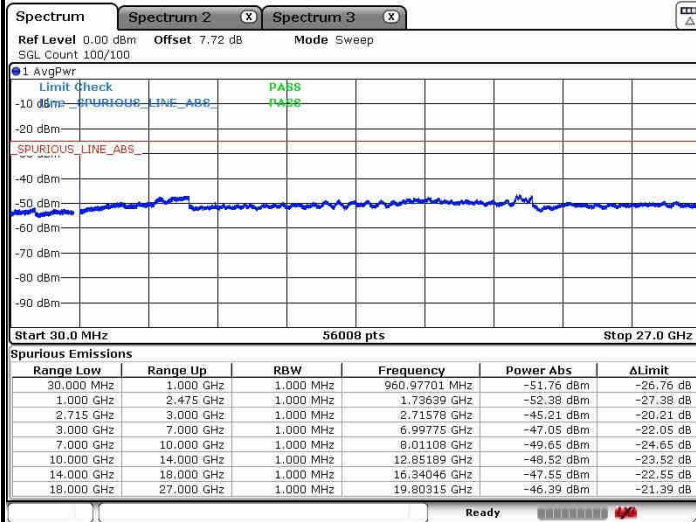




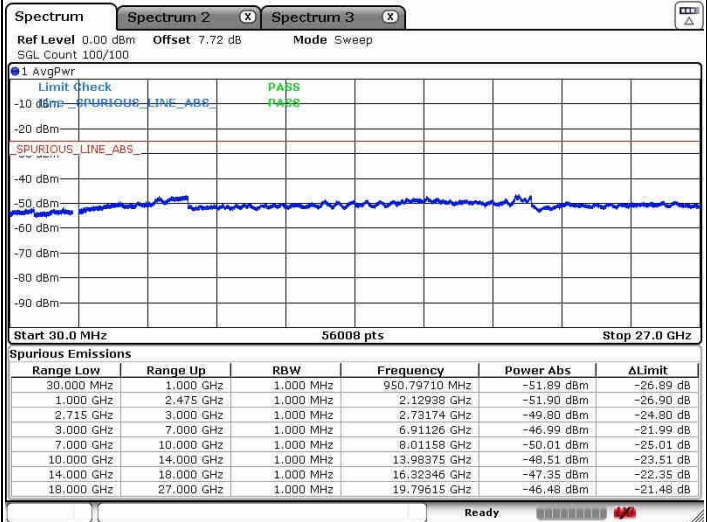
## LTE Band 41 / 10MHz+20MHz

## Highest Channel / QPSK



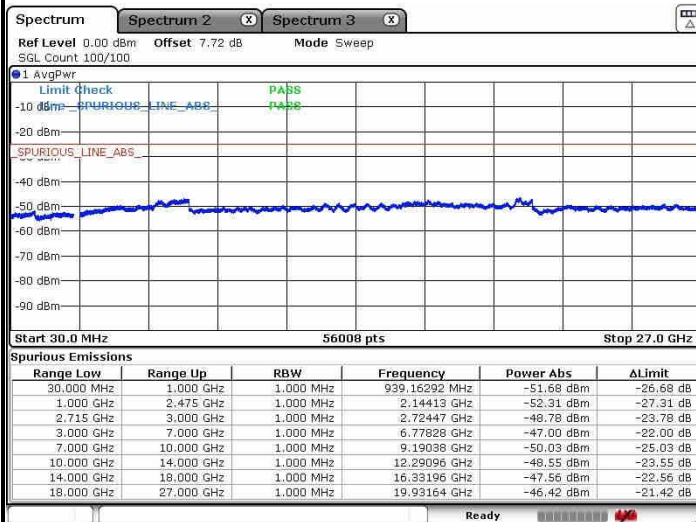
Date: 12 DEC 2018 10:36:20

## Highest Channel / 16QAM



Date: 12 DEC 2018 10:35:29

## Highest Channel / 64QAM



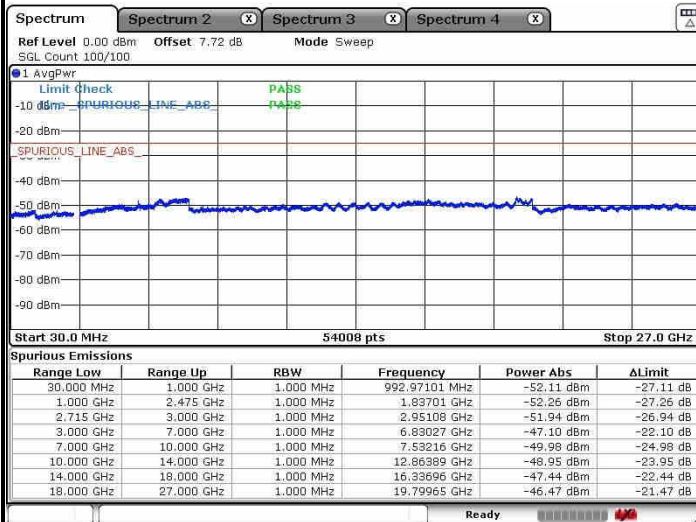
Date: 12 DEC 2018 10:34:35

N/A



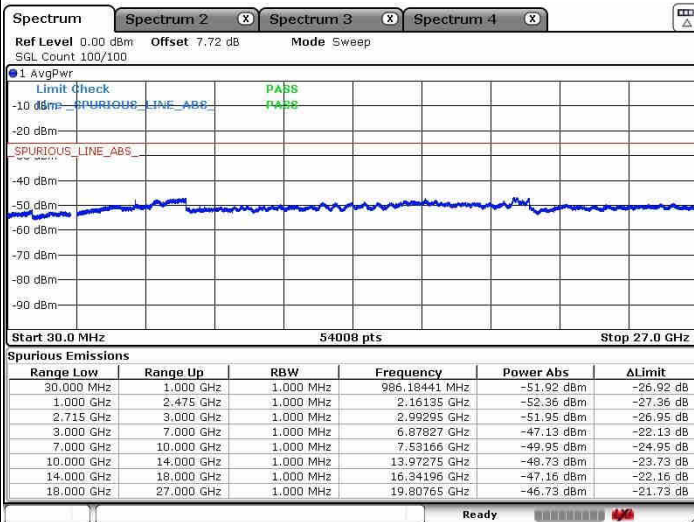
## LTE Band 41 / 15MHz+10MHz

## Lowest Channel / QPSK



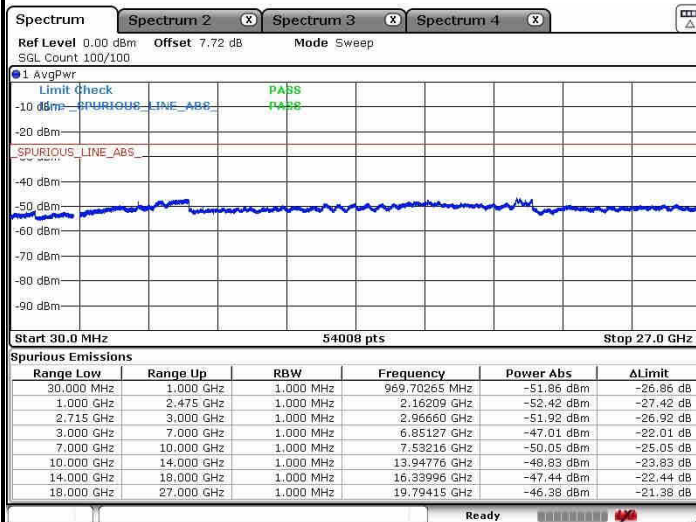
Date: 11.DEC.2018 11:08:03

## Lowest Channel / 16QAM



Date: 11.DEC.2018 11:07:12

## Lowest Channel / 64QAM



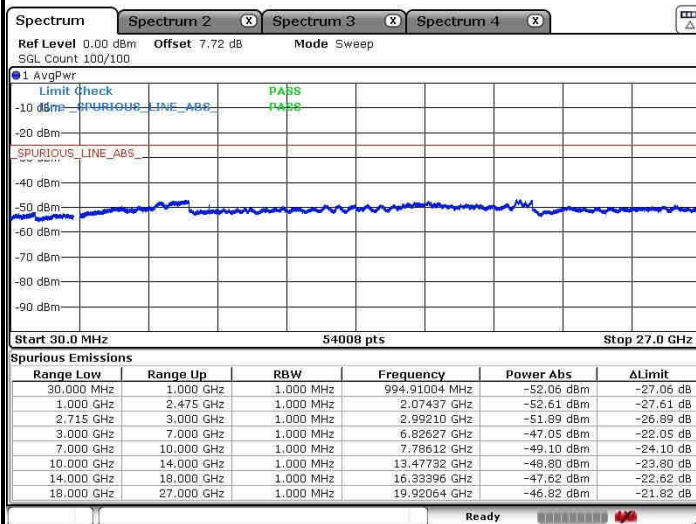
Date: 11.DEC.2018 11:06:14

N/A



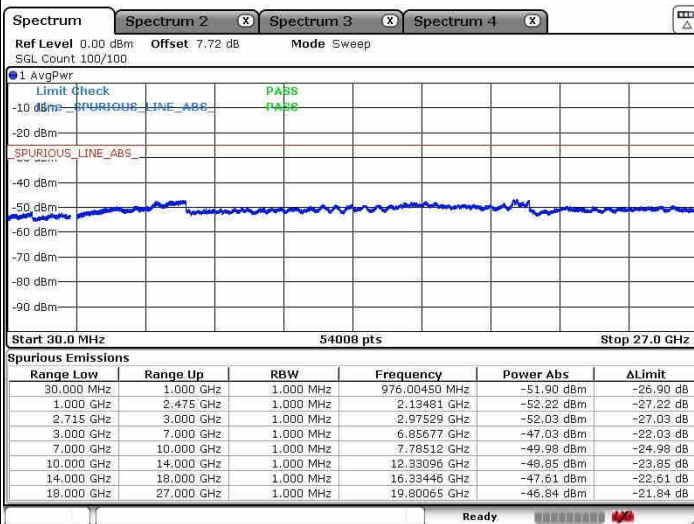
## LTE Band 41 / 15MHz+10MHz

## Middle Channel / QPSK



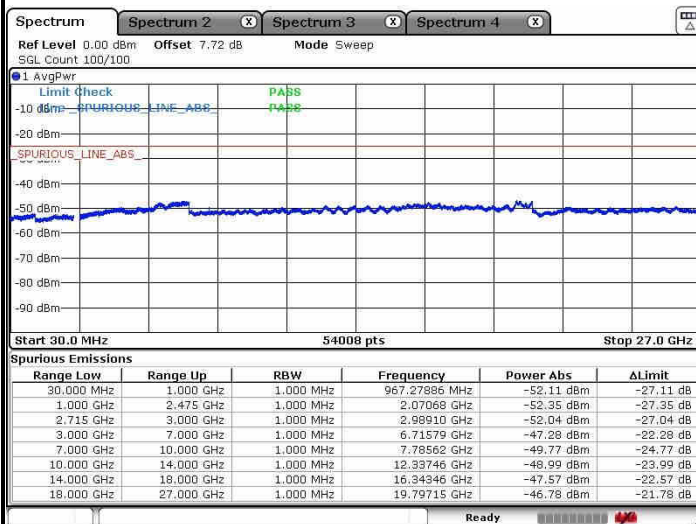
Date: 11.DEC.2018 11:09:38

## Middle Channel / 16QAM



Date: 11.DEC.2018 11:10:36

## Middle Channel / 64QAM



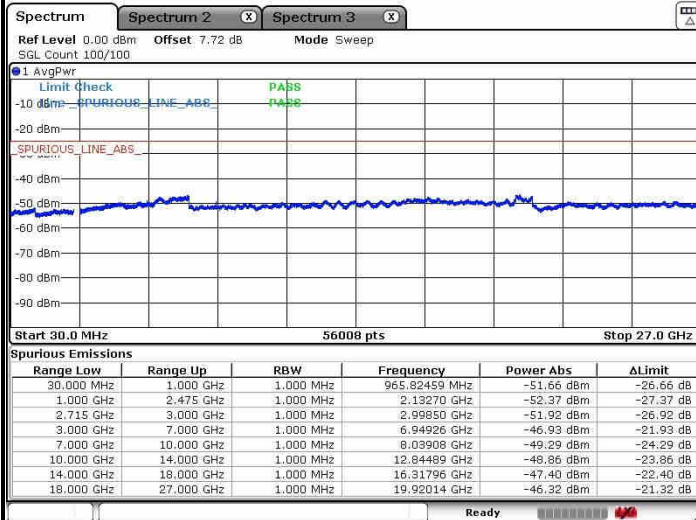
Date: 11.DEC.2018 11:11:28

## N/A



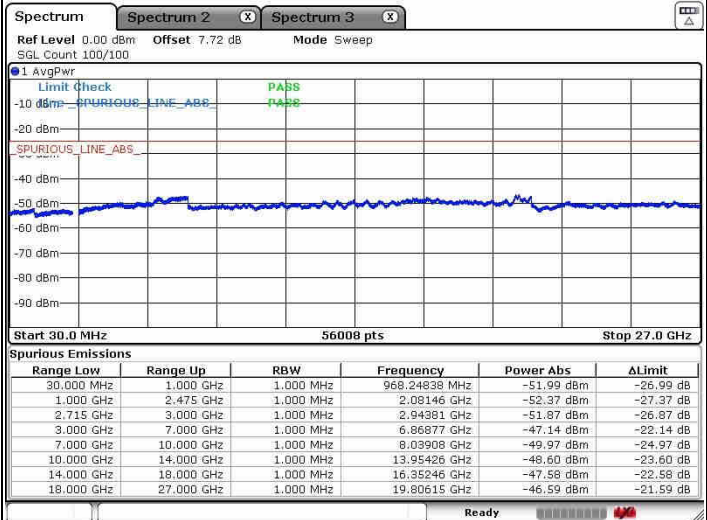
## LTE Band 41 / 15MHz+10MHz

## Highest Channel / QPSK



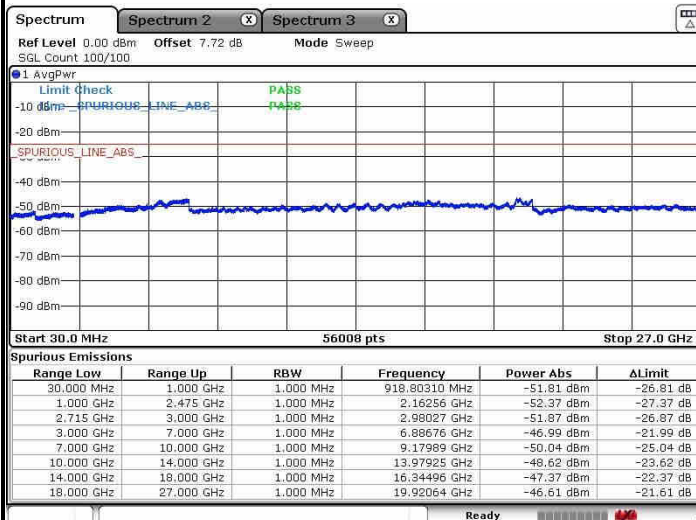
Date: 12 DEC 2018 10:29:31

## Highest Channel / 16QAM



Date: 12 DEC 2018 10:28:36

## Highest Channel / 64QAM



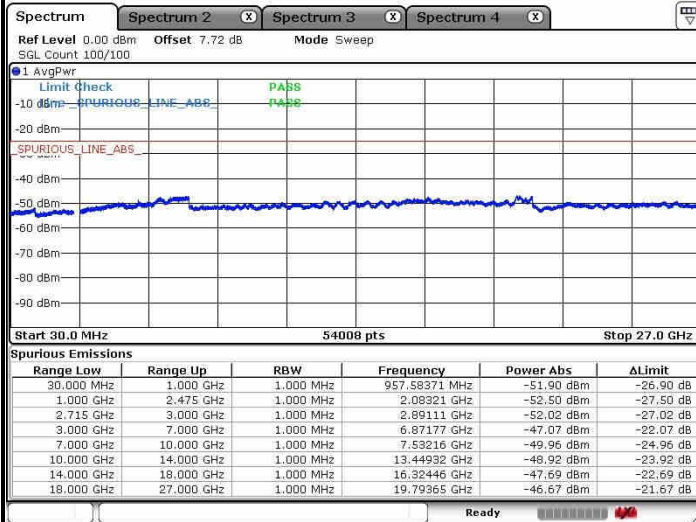
Date: 12 DEC 2018 10:27:44

N/A



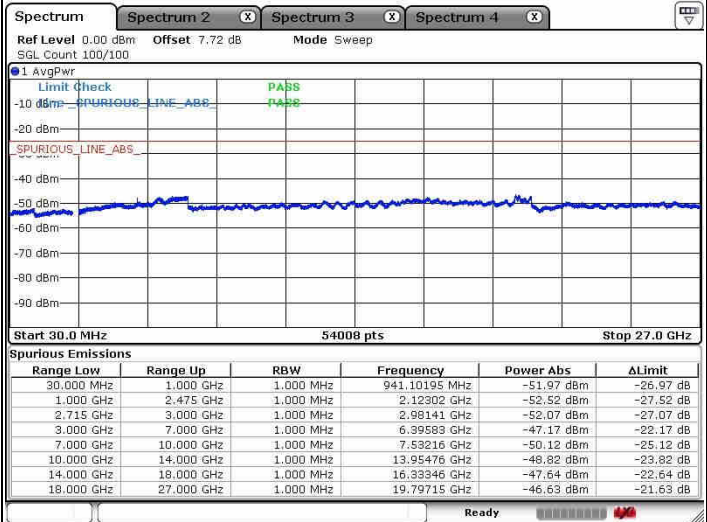
## LTE Band 41 / 15MHz+15MHz

## Lowest Channel / QPSK



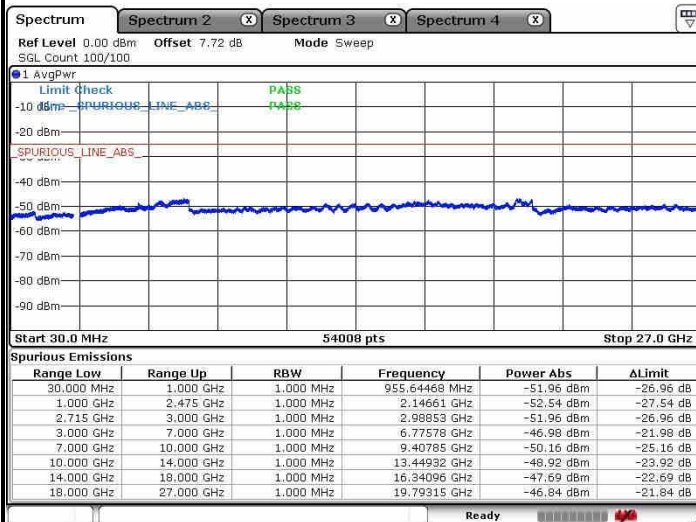
Date: 11.DEC.2018 14:02:17

## Lowest Channel / 16QAM



Date: 11.DEC.2018 14:01:29

## Lowest Channel / 64QAM



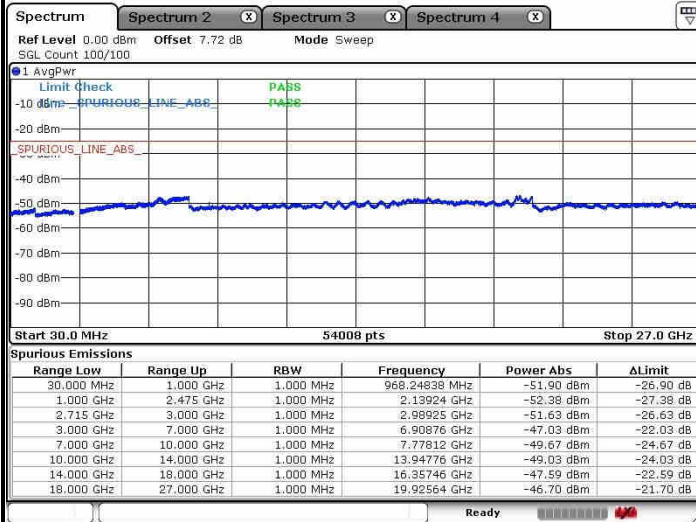
Date: 11.DEC.2018 14:00:31

N/A



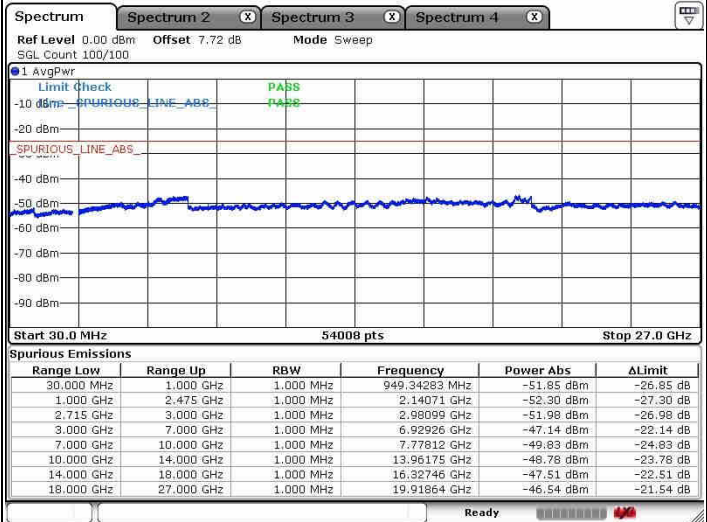
## LTE Band 41 / 15MHz+15MHz

## Middle Channel / QPSK



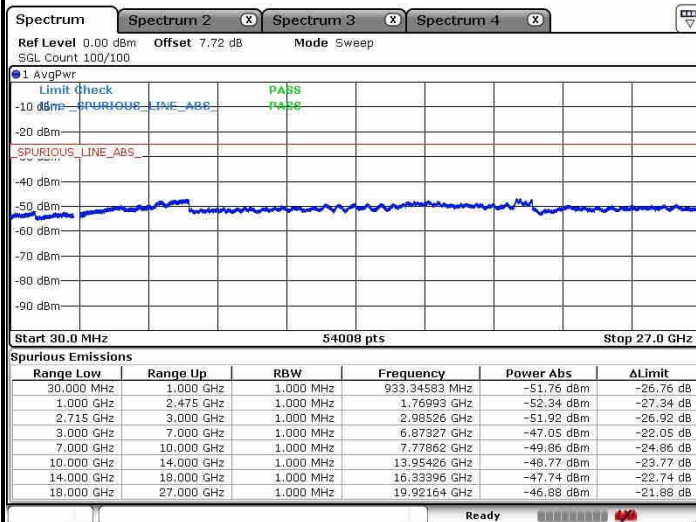
Date: 11.DEC.2018 14:13:52

## Middle Channel / 16QAM



Date: 11.DEC.2018 14:13:02

## Middle Channel / 64QAM



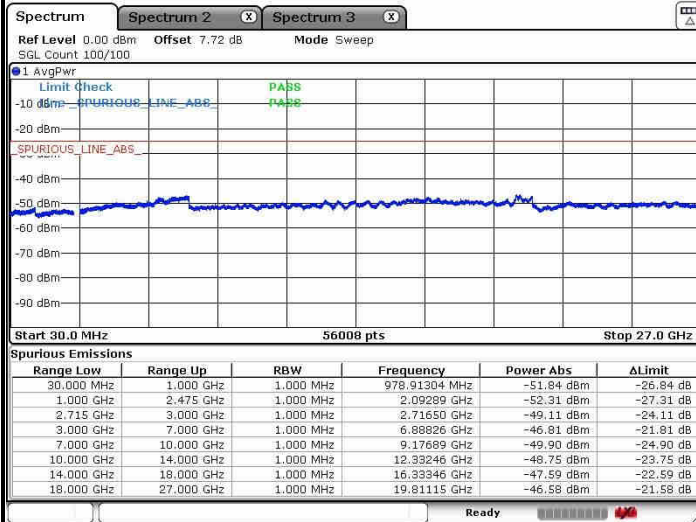
Date: 11.DEC.2018 14:12:08

## N/A



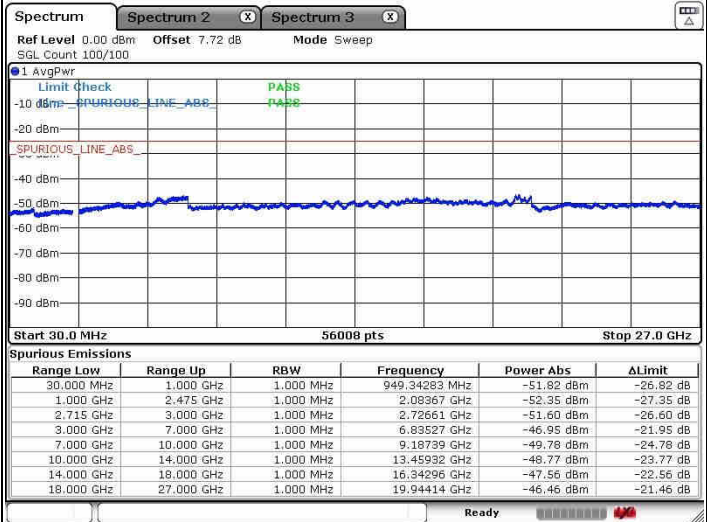
## LTE Band 41 / 15MHz+15MHz

## Highest Channel / QPSK



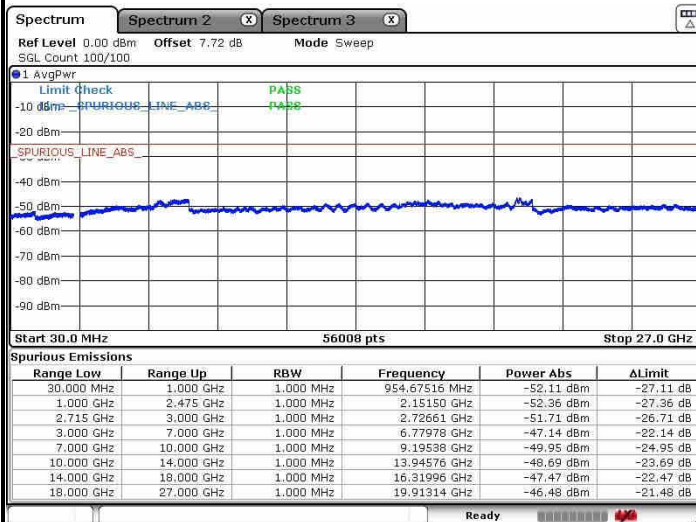
Date: 12 DEC 2018 11:08:57

## Highest Channel / 16QAM



Date: 12 DEC 2018 11:07:48

## Highest Channel / 64QAM



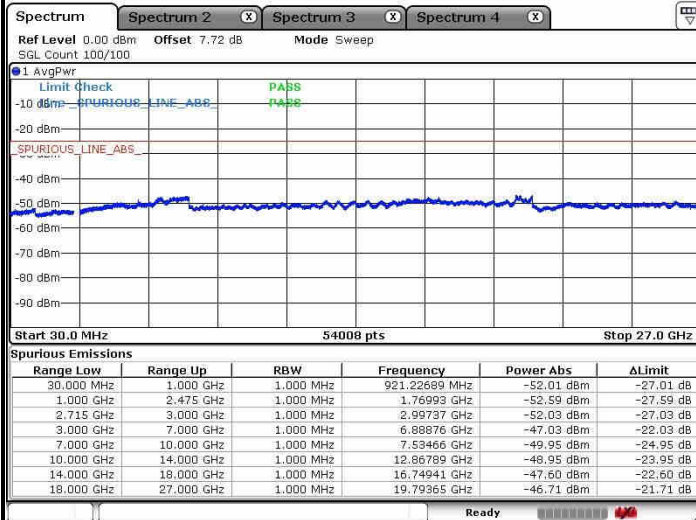
Date: 12 DEC 2018 11:08:53

N/A



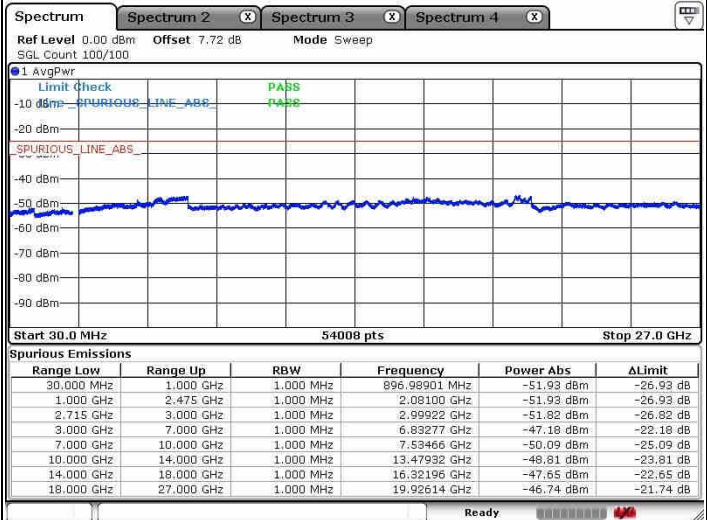
## LTE Band 41 / 15MHz+20MHz

## Lowest Channel / QPSK



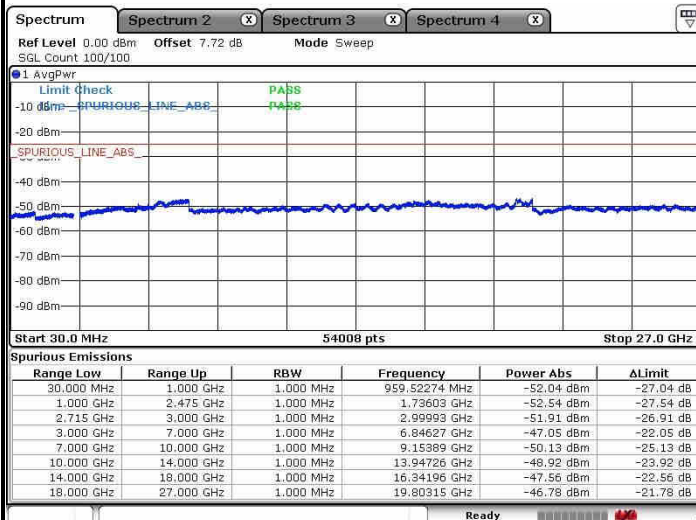
Date: 11.DEC.2018 14:23:41

## Lowest Channel / 16QAM



Date: 11.DEC.2018 14:22:51

## Lowest Channel / 64QAM



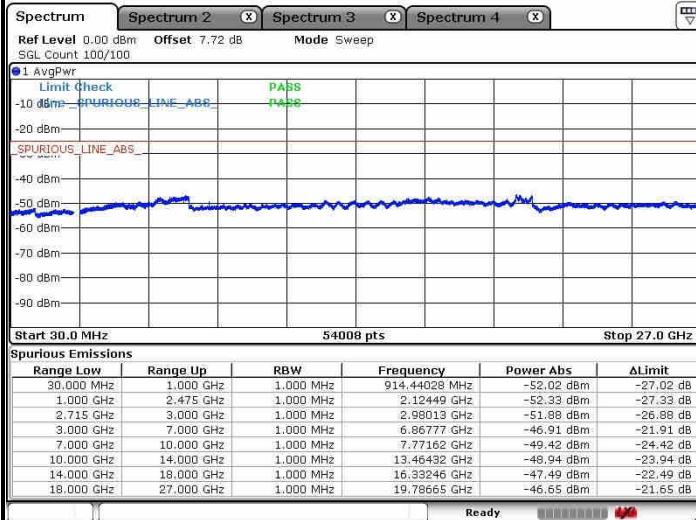
Date: 11.DEC.2018 14:21:57

N/A



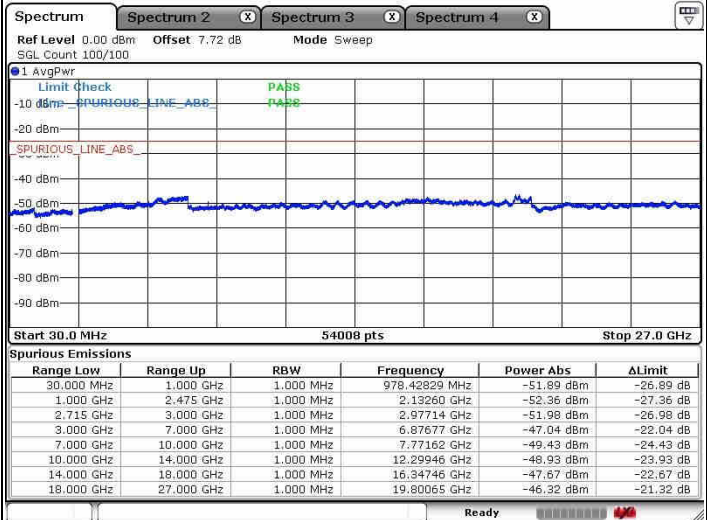
## LTE Band 41 / 15MHz+20MHz

## Middle Channel / QPSK



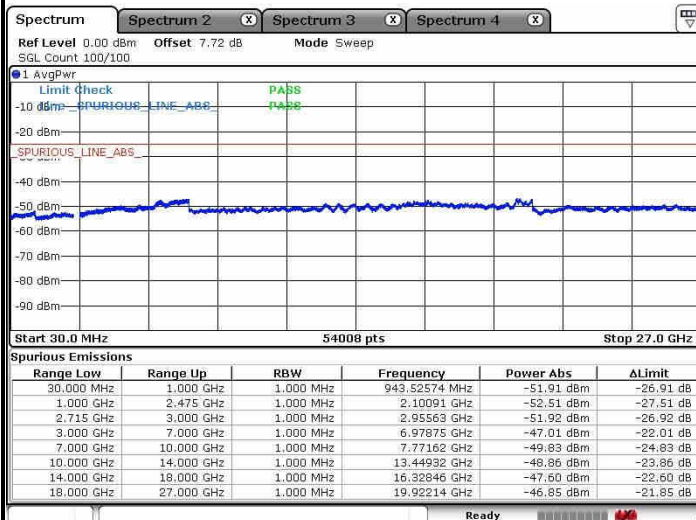
Date: 11 DEC 2018 14:25:05

## Middle Channel / 16QAM



Date: 11 DEC 2018 14:26:01

## Middle Channel / 64QAM



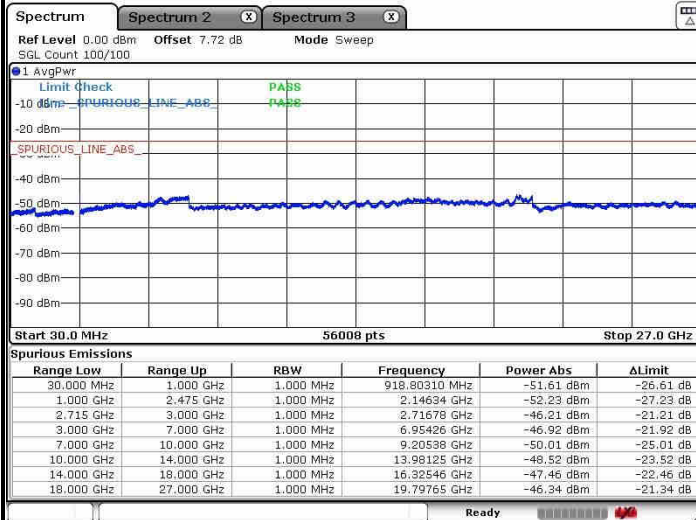
Date: 11 DEC 2018 14:26:55

## N/A



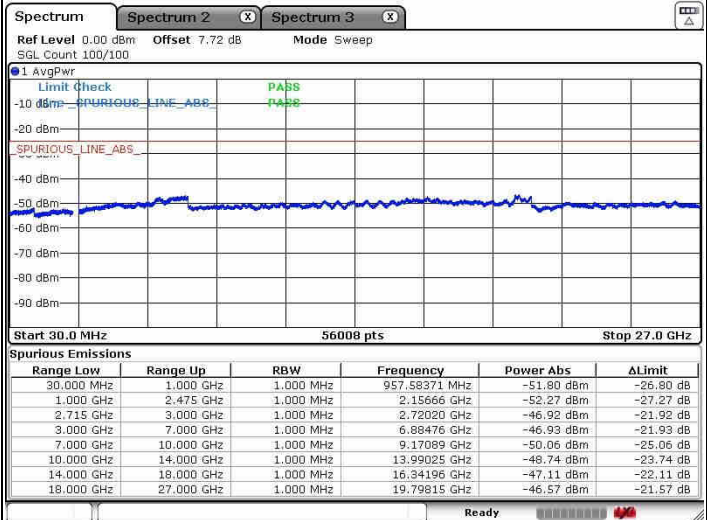
## LTE Band 41 / 15MHz+20MHz

## Highest Channel / QPSK



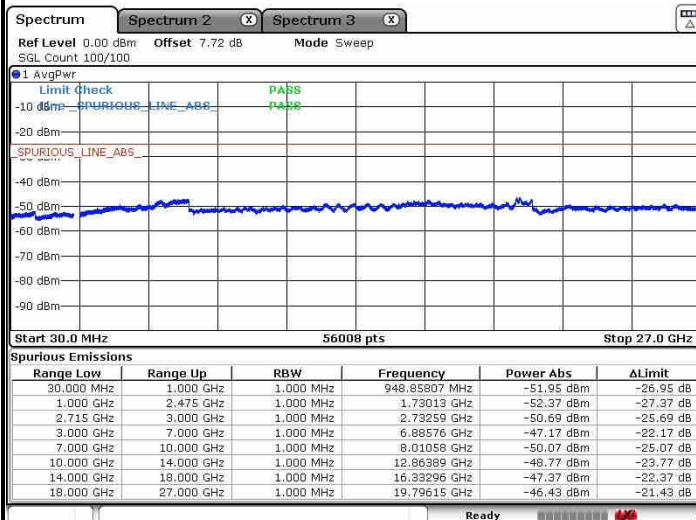
Date: 12 DEC 2018 11:11:33

## Highest Channel / 16QAM



Date: 12 DEC 2018 11:12:29

## Highest Channel / 64QAM



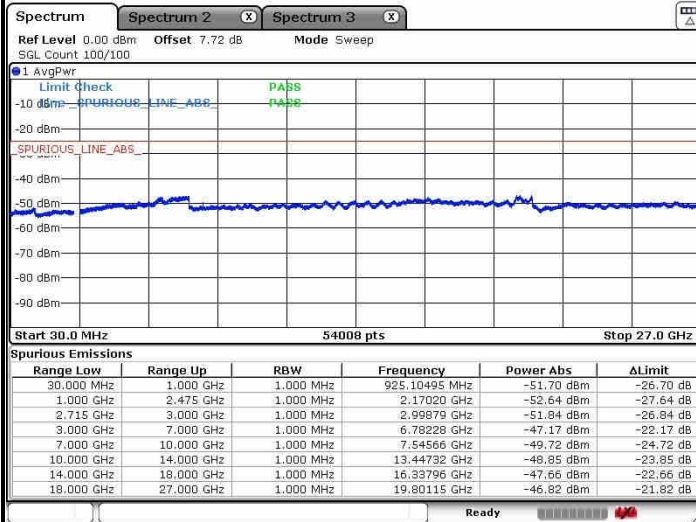
Date: 12 DEC 2018 11:13:20

N/A



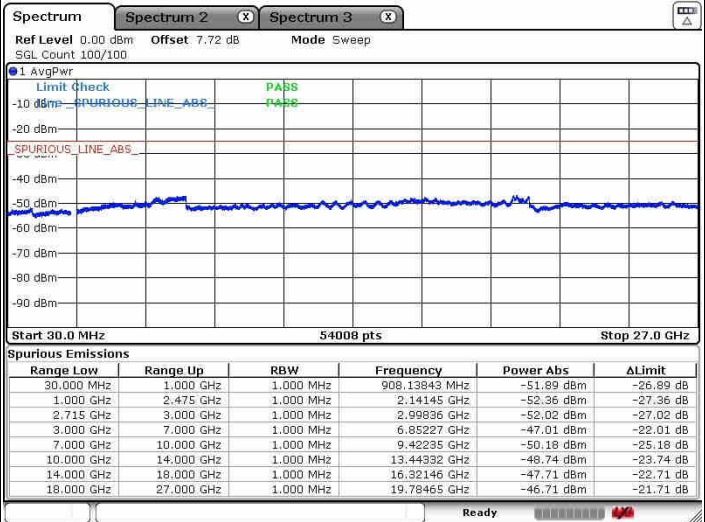
## LTE Band 41 / 20MHz+5MHz

## Lowest Channel / QPSK



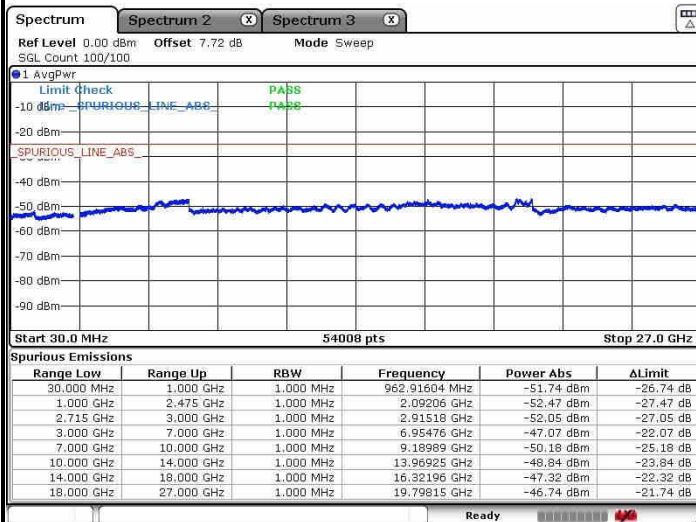
Date: 11.DEC.2018 09:58:14

## Lowest Channel / 16QAM



Date: 11.DEC.2018 09:59:17

## Lowest Channel / 64QAM



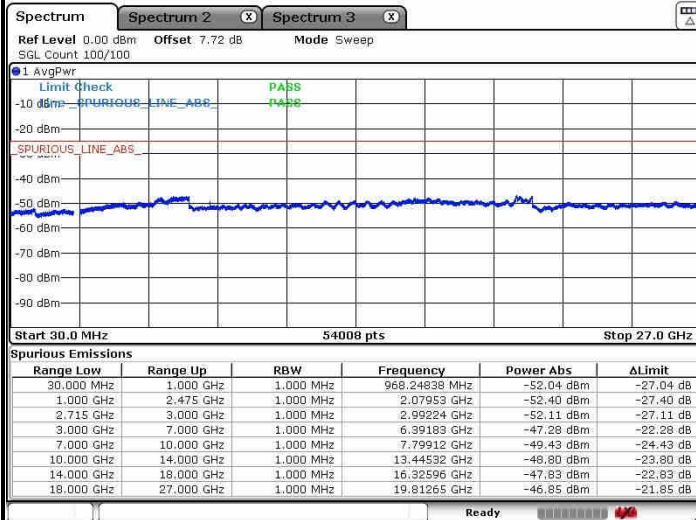
Date: 11.DEC.2018 10:00:08

N/A



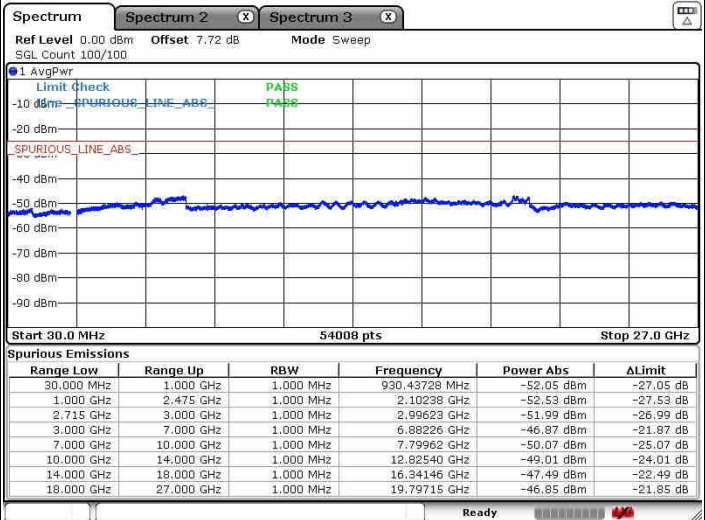
## LTE Band 41 / 20MHz+5MHz

## Middle Channel / QPSK



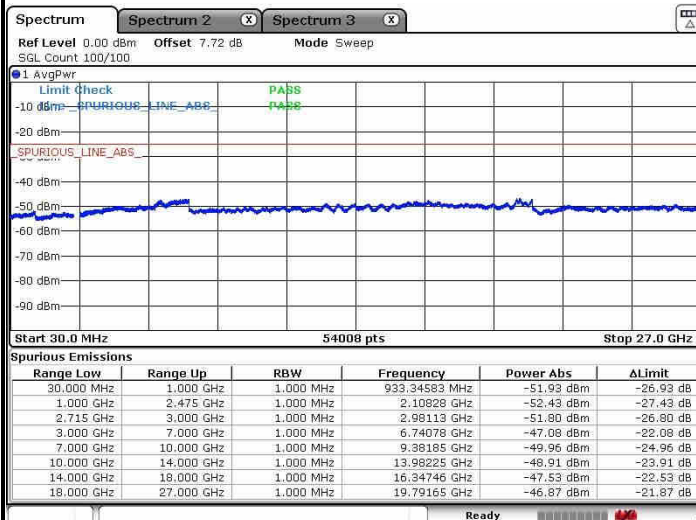
Date: 11 DEC 2018 10:05:02

## Middle Channel / 16QAM



Date: 11 DEC 2018 10:05:59

## Middle Channel / 64QAM



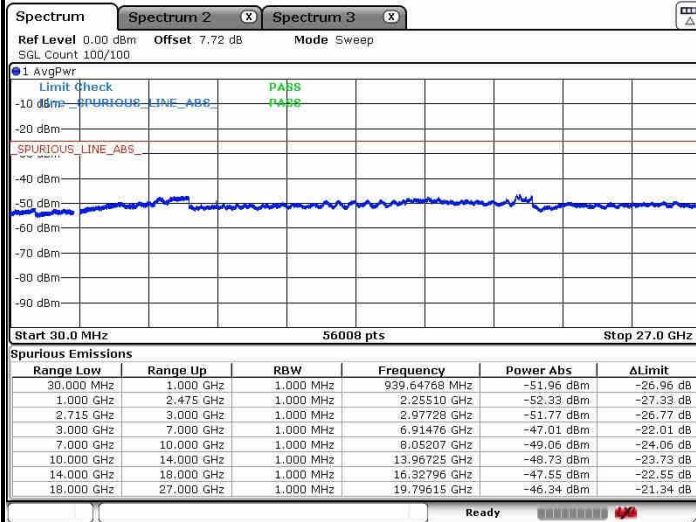
Date: 11 DEC 2018 10:06:53

N/A



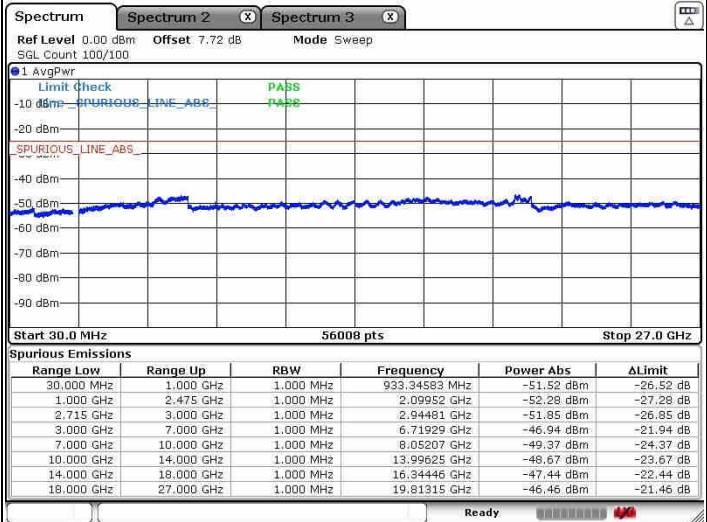
## LTE Band 41 / 20MHz+5MHz

## Highest Channel / QPSK



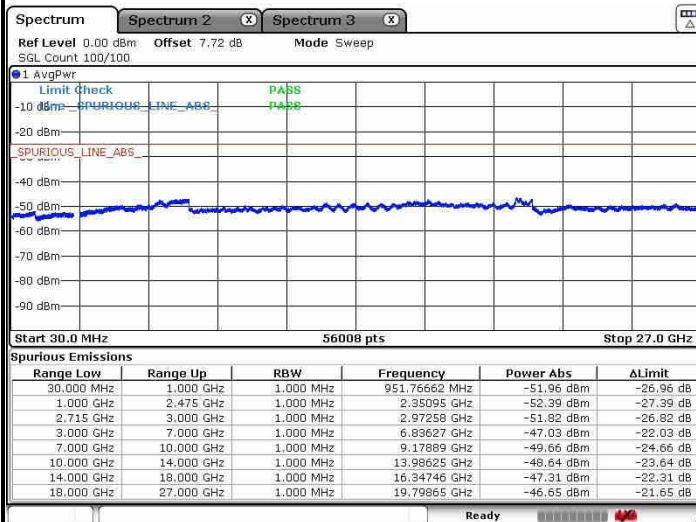
Date: 12 DEC 2018 09:59:44

## Highest Channel / 16QAM



Date: 12 DEC 2018 10:00:42

## Highest Channel / 64QAM



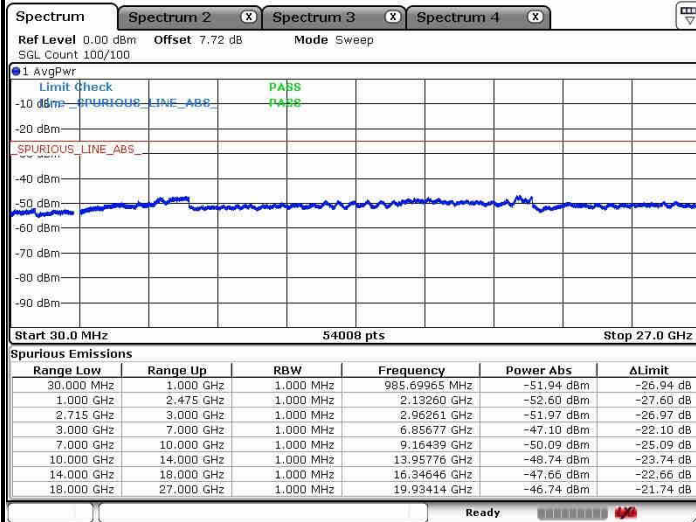
Date: 12 DEC 2018 10:01:40

N/A



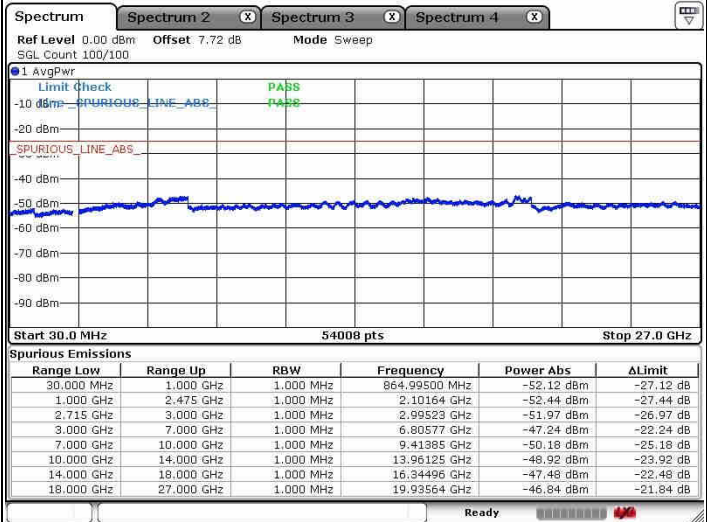
## LTE Band 41 / 20MHz+10MHz

## Lowest Channel / QPSK



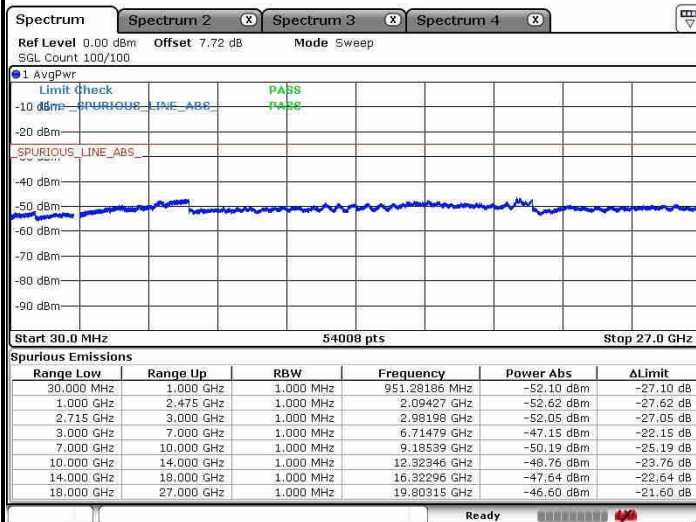
Date: 11.DEC.2018 13:44:29

## Lowest Channel / 16QAM



Date: 11.DEC.2018 13:43:16

## Lowest Channel / 64QAM



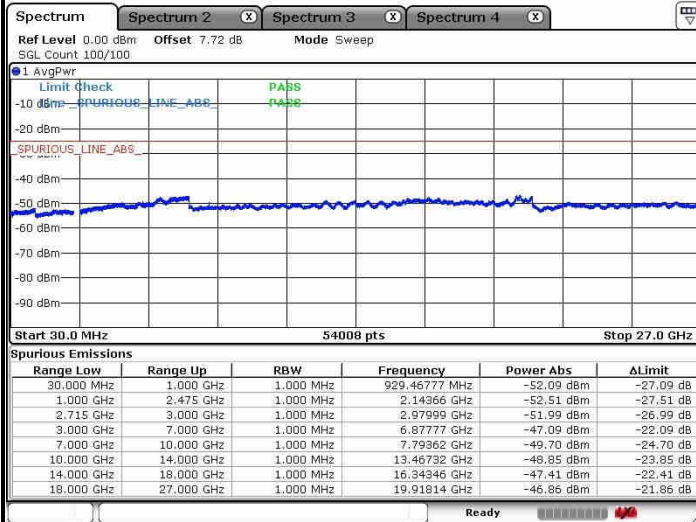
Date: 11.DEC.2018 13:42:21

N/A



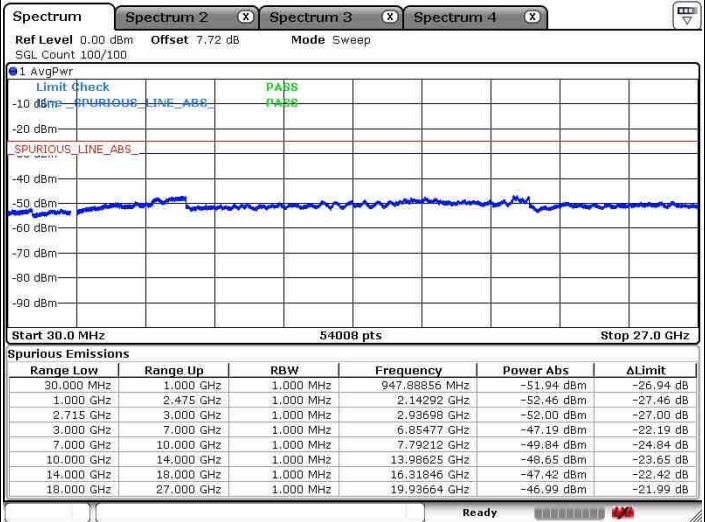
## LTE Band 41 / 20MHz+10MHz

## Middle Channel / QPSK



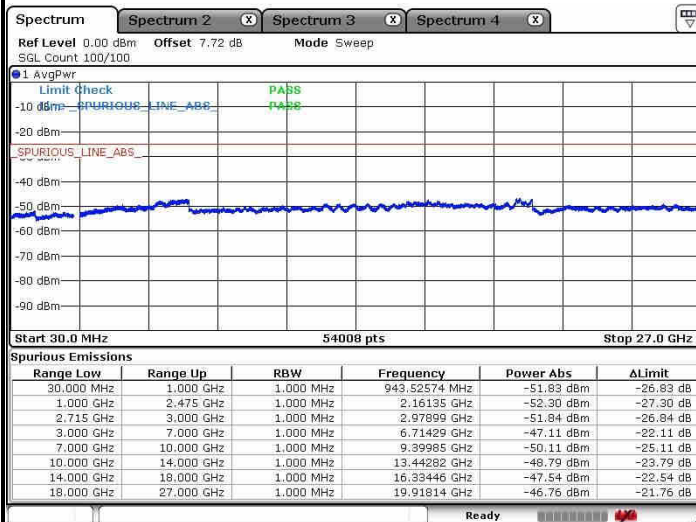
Date: 11 DEC 2018 13:46:06

## Middle Channel / 16QAM



Date: 11 DEC 2018 13:46:59

## Middle Channel / 64QAM



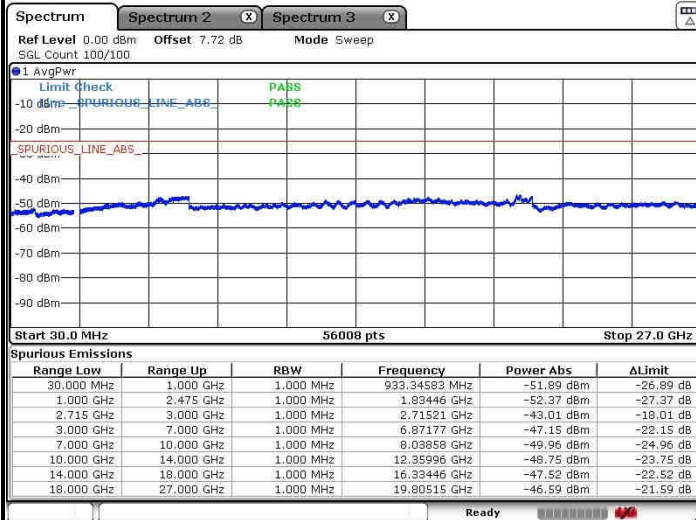
Date: 11 DEC 2018 13:47:50

## N/A



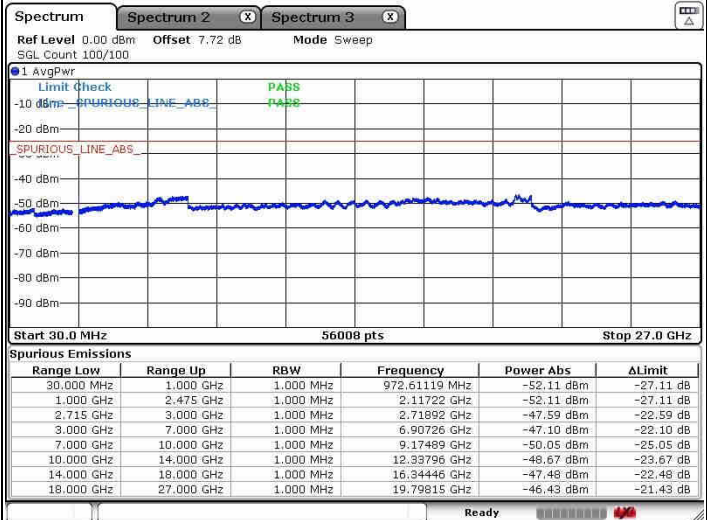
## LTE Band 41 / 20MHz+10MHz

## Highest Channel / QPSK



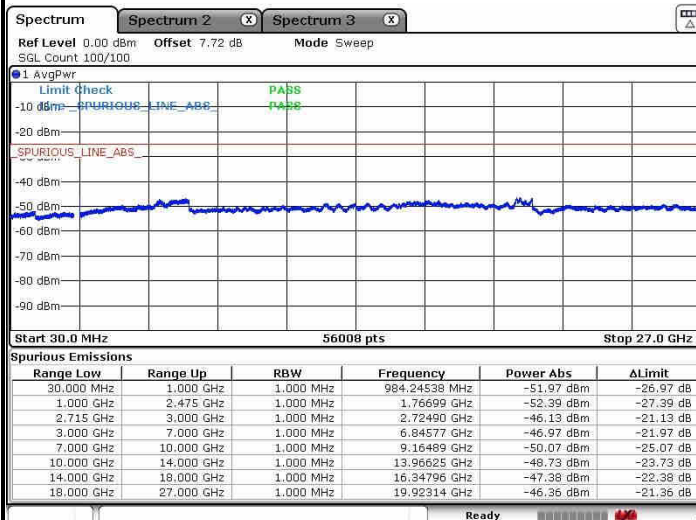
Date: 12 DEC 2018 11:01:20

## Highest Channel / 16QAM



Date: 12 DEC 2018 11:00:22

## Highest Channel / 64QAM



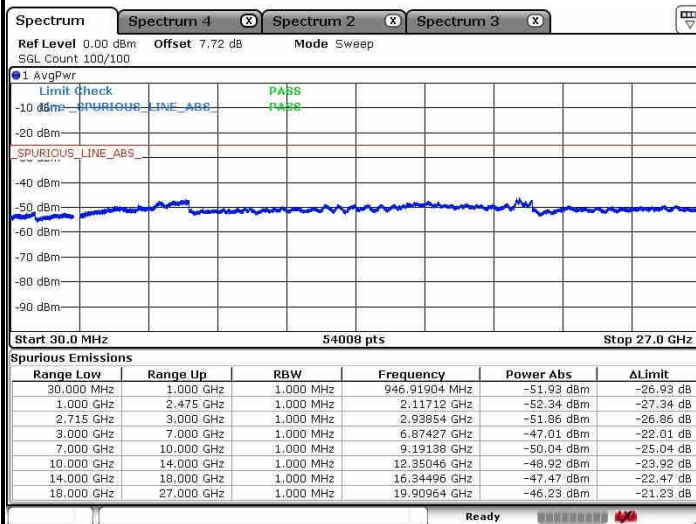
Date: 12 DEC 2018 10:57:57

N/A



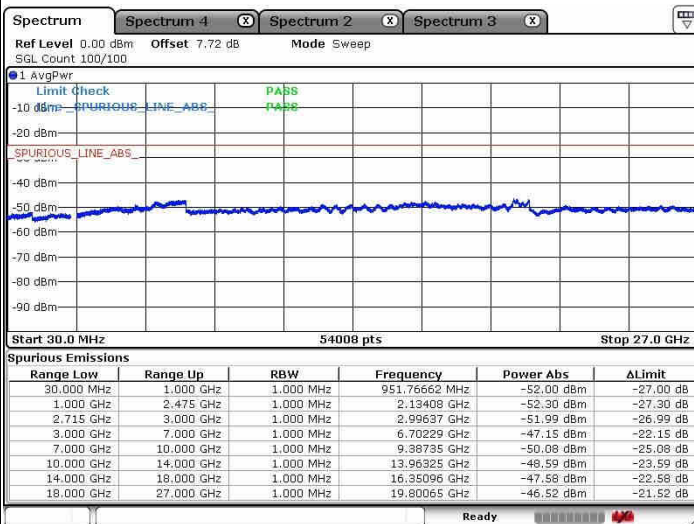
## LTE Band 41 / 20MHz+15MHz

## Lowest Channel / QPSK



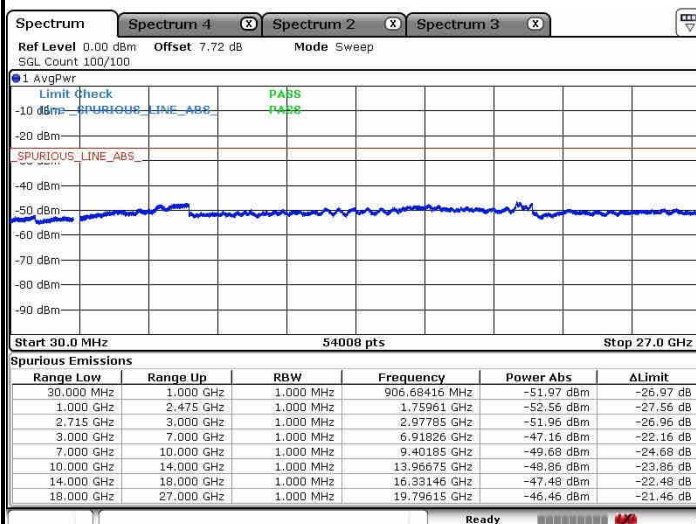
Date: 11 DEC 2018 16:39:32

## Lowest Channel / 16QAM



Date: 11 DEC 2018 16:40:44

## Lowest Channel / 64QAM



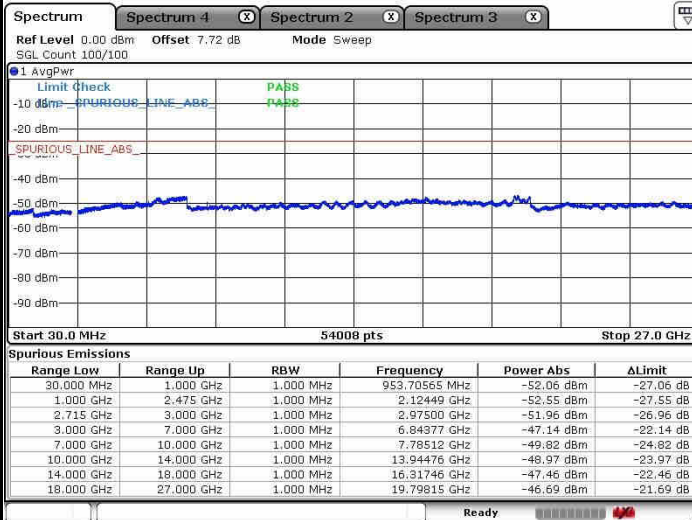
Date: 11 DEC 2018 16:41:38

N/A



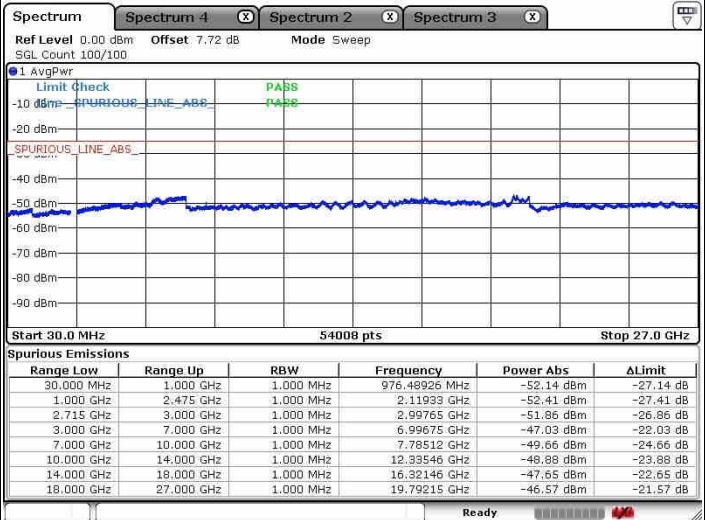
## LTE Band 41 / 20MHz+15MHz

## Middle Channel / QPSK



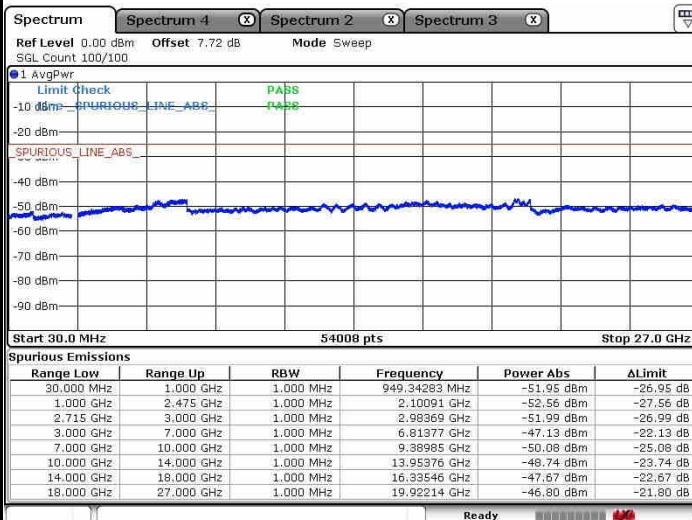
Date: 11 DEC 2018 16:51:34

## Middle Channel / 16QAM



Date: 11 DEC 2018 16:50:43

## Middle Channel / 64QAM



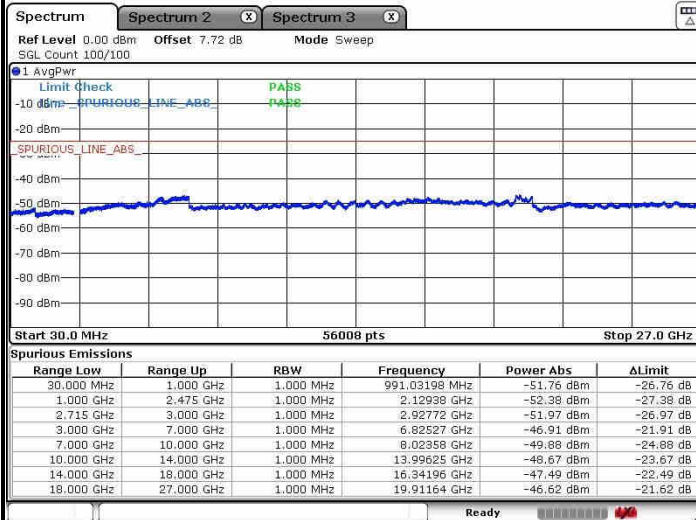
Date: 11 DEC 2018 16:49:45

## N/A



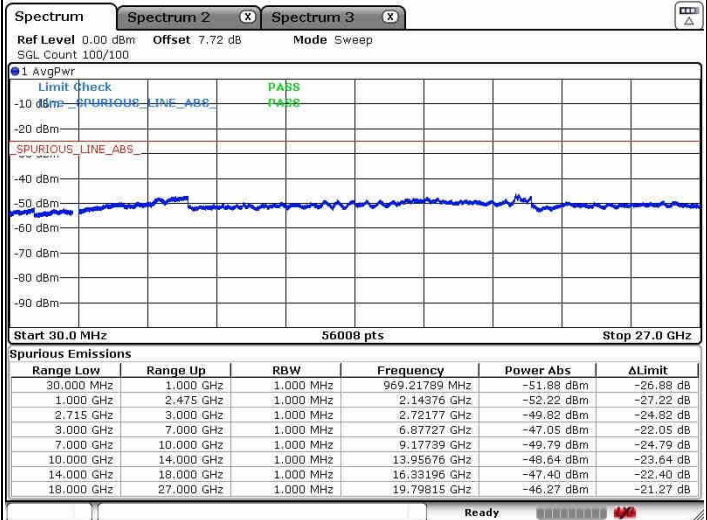
## LTE Band 41 / 20MHz+15MHz

## Highest Channel / QPSK



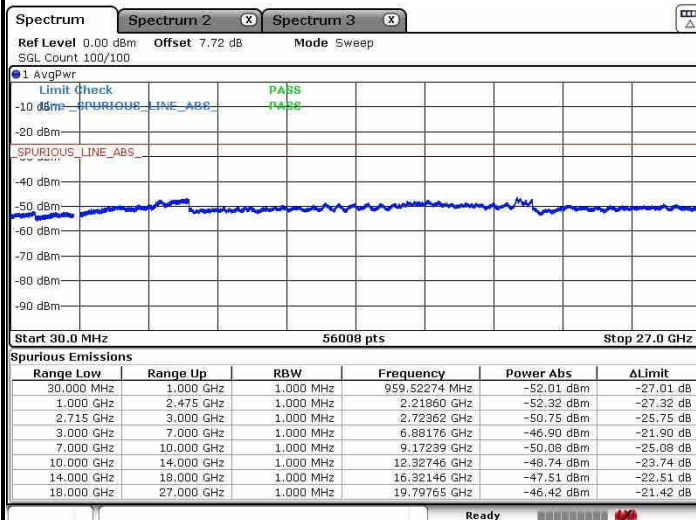
Date: 12 DEC 2018 11:27:38

## Highest Channel / 16QAM



Date: 12 DEC 2018 11:26:44

## Highest Channel / 64QAM



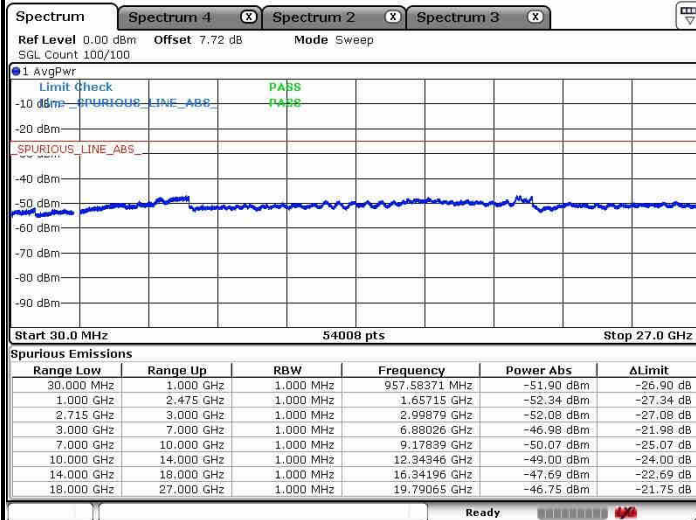
Date: 12 DEC 2018 11:25:53

N/A



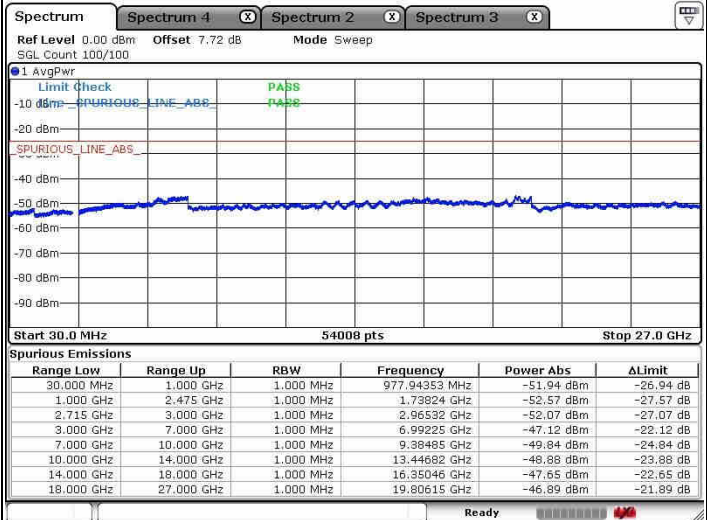
## LTE Band 41 / 20MHz+20MHz

## Lowest Channel / QPSK



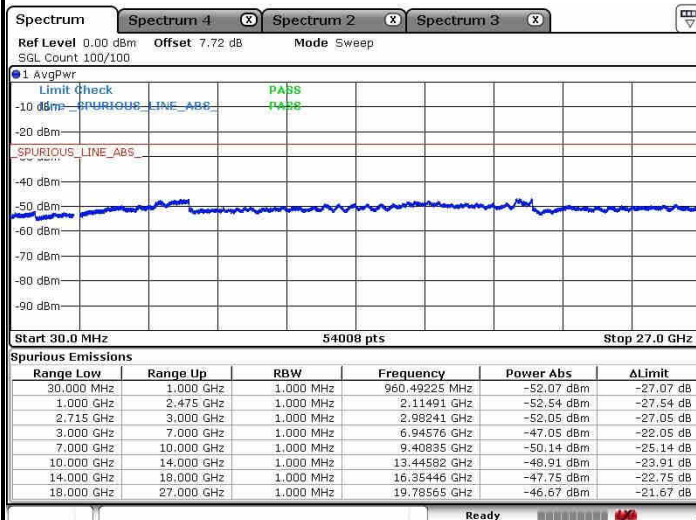
Date: 11 DEC 2018 16:53:22

## Lowest Channel / 16QAM



Date: 11 DEC 2018 16:58:00

## Lowest Channel / 64QAM



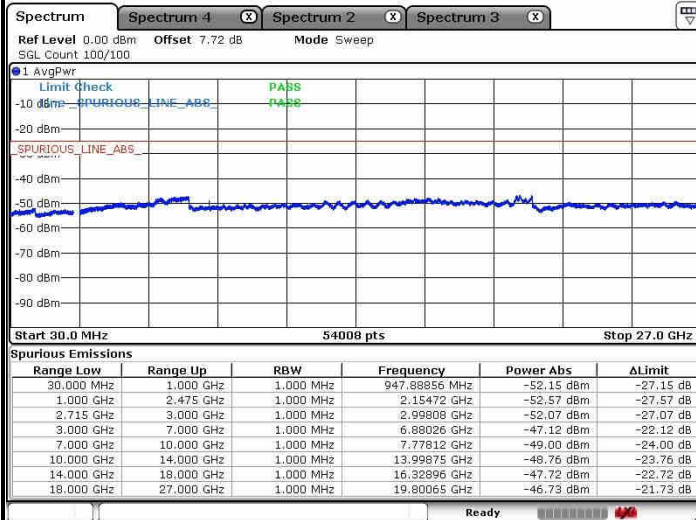
Date: 11 DEC 2018 16:59:00

N/A



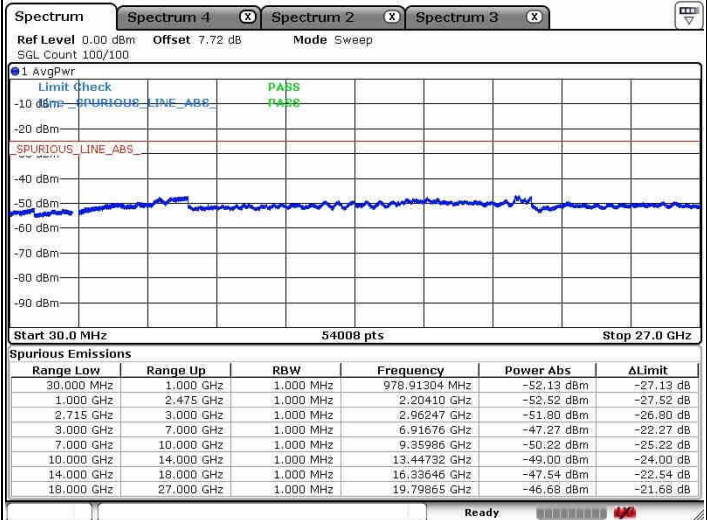
## LTE Band 41 / 20MHz+20MHz

## MiddleChannel / QPSK



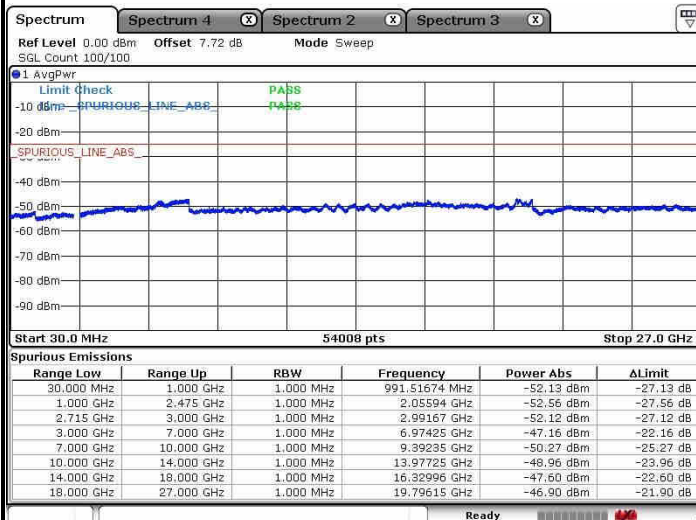
Date: 11.DEC.2018 17:10:00

## Middle Channel / 16QAM



Date: 11.DEC.2018 17:08:59

## Middle Channel / 64QAM



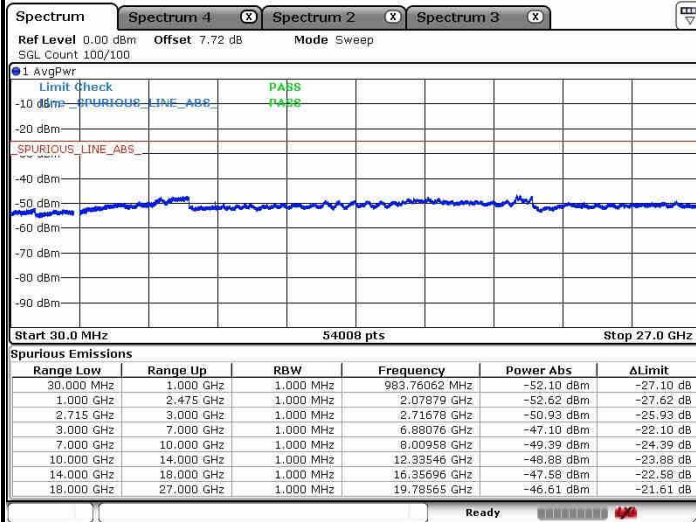
Date: 11.DEC.2018 17:07:51

## N/A



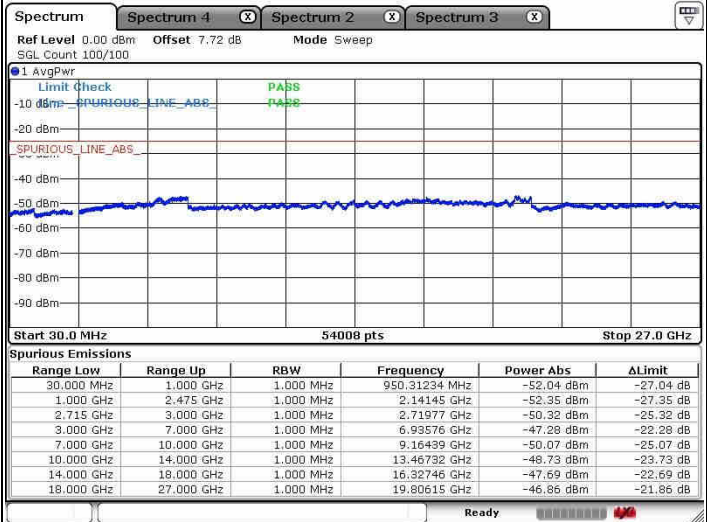
## LTE Band 41 / 20MHz+20MHz

## Highest Channel / QPSK



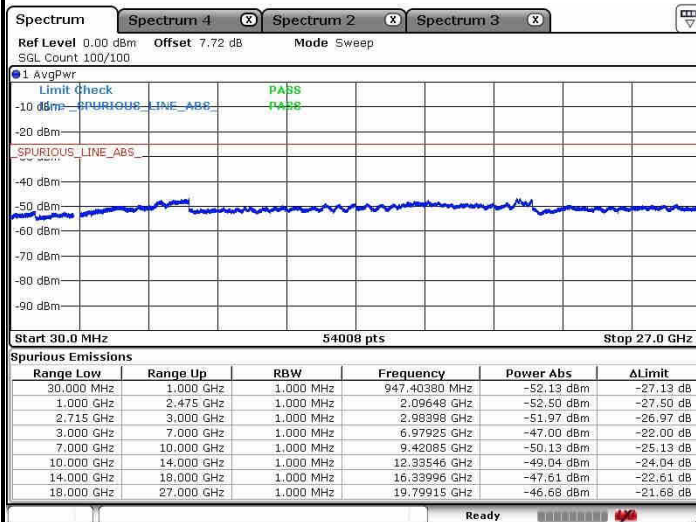
Date: 11 DEC 2018 17:12:04

## Highest Channel / 16QAM



Date: 11 DEC 2018 17:12:54

## Highest Channel / 64QAM



Date: 11 DEC 2018 17:13:45

N/A

## Frequency Stability

| Test Conditions  |                   | LTE Band 7 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                           | Note 2. |
|                  |                   | Deviation (ppm)                    | Result  |
| 50               | Normal Voltage    | 0.0002                             | PASS    |
| 40               | Normal Voltage    | 0.0022                             |         |
| 30               | Normal Voltage    | 0.0001                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0005                             |         |
| 0                | Normal Voltage    | 0.0004                             |         |
| -10              | Normal Voltage    | 0.0028                             |         |
| -20              | Normal Voltage    | 0.0005                             |         |
| -30              | Normal Voltage    | 0.0022                             |         |
| 20               | Maximum Voltage   | 0.0019                             |         |
| 20               | Normal Voltage    | 0.0000                             |         |
| 20               | Battery End Point | 0.0006                             |         |

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.1 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    | 0.0058                              | PASS    |
| 40               | Normal Voltage    | 0.0001                              |         |
| 30               | Normal Voltage    | 0.0062                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0064                              |         |
| 0                | Normal Voltage    | 0.0095                              |         |
| -10              | Normal Voltage    | 0.0025                              |         |
| -20              | Normal Voltage    | 0.0066                              |         |
| -30              | Normal Voltage    | 0.0071                              |         |
| 20               | Maximum Voltage   | 0.0103                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0007                              |         |

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.1 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    | 0.0023                              | PASS    |
| 40               | Normal Voltage    | 0.0015                              |         |
| 30               | Normal Voltage    | 0.0077                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0008                              |         |
| 0                | Normal Voltage    | 0.0072                              |         |
| -10              | Normal Voltage    | 0.0066                              |         |
| -20              | Normal Voltage    | 0.0003                              |         |
| -30              | Normal Voltage    | 0.0055                              |         |
| 20               | Maximum Voltage   | 0.0015                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0004                              |         |

**Note:**

1. Normal Voltage =3.8V. ; 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 25 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0003                              | PASS    |
| 40               | Normal Voltage    | 0.0038                              |         |
| 30               | Normal Voltage    | 0.0005                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0034                              |         |
| 0                | Normal Voltage    | 0.0010                              |         |
| -10              | Normal Voltage    | 0.0008                              |         |
| -20              | Normal Voltage    | 0.0002                              |         |
| -30              | Normal Voltage    | 0.0012                              |         |
| 20               | Maximum Voltage   | 0.0039                              |         |
| 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 =4.1 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



| Test Conditions  |                   | LTE Band 26 (QPSK) / Middle Channel | Limit  |
|------------------|-------------------|-------------------------------------|--------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | 2.5ppm |
|                  |                   | Deviation (ppm)                     | Result |
| 50               | Normal Voltage    | 0.0093                              | PASS   |
| 40               | Normal Voltage    | 0.0084                              |        |
| 30               | Normal Voltage    | 0.0017                              |        |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |        |
| 10               | Normal Voltage    | 0.0092                              |        |
| 0                | Normal Voltage    | 0.0079                              |        |
| -10              | Normal Voltage    | 0.0023                              |        |
| -20              | Normal Voltage    | 0.0007                              |        |
| -30              | Normal Voltage    | 0.0077                              |        |
| 20               | Maximum Voltage   | 0.0029                              |        |
| 20               | Normal Voltage    | 0.0000                              |        |
| 20               | Battery End Point | 0.0081                              |        |

**Note:** Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.1 V.



| Test Conditions  |                   | LTE Band 41 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0029                              | PASS    |
| 40               | Normal Voltage    | 0.0002                              |         |
| 30               | Normal Voltage    | 0.0022                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0022                              |         |
| 0                | Normal Voltage    | 0.0005                              |         |
| -10              | Normal Voltage    | 0.0021                              |         |
| -20              | Normal Voltage    | 0.0019                              |         |
| -30              | Normal Voltage    | 0.0027                              |         |
| 20               | Maximum Voltage   | 0.0024                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0019                              |         |

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.1 V.
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    | 0.0010                              | PASS    |
| 40               | Normal Voltage    | 0.0025                              |         |
| 30               | Normal Voltage    | 0.0003                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0034                              |         |
| 0                | Normal Voltage    | 0.0006                              |         |
| -10              | Normal Voltage    | 0.0004                              |         |
| -20              | Normal Voltage    | 0.0019                              |         |
| -30              | Normal Voltage    | 0.0004                              |         |
| 20               | Maximum Voltage   | 0.0028                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0007                              |         |

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.1 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

| Test Conditions  |                   | LTE Band 71 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0037                              | PASS    |
| 40               | Normal Voltage    | 0.0004                              |         |
| 30               | Normal Voltage    | 0.0035                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0012                              |         |
| 0                | Normal Voltage    | 0.0028                              |         |
| -10              | Normal Voltage    | 0.0012                              |         |
| -20              | Normal Voltage    | 0.0018                              |         |
| -30              | Normal Voltage    | 0.0007                              |         |
| 20               | Maximum Voltage   | 0.0015                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0006                              |         |

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.1 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 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) |
| Middle                    | 5052              | -45.93       | -25           | -20.93            | -53.96             | 2.18                 | 10.21                 | H                  |
|                           | 7578.27           | -57.24       | -25           | -32.24            | -66.55             | 2.69                 | 12.00                 | H                  |
|                           | 10104             | -59.90       | -25           | -34.90            | -69.61             | 3.19                 | 12.90                 | H                  |
|                           | 5052              | -49.17       | -25           | -24.17            | -57.20             | 2.18                 | 10.21                 | V                  |
|                           | 7576              | -58.28       | -25           | -33.28            | -67.59             | 2.69                 | 12.00                 | V                  |
|                           | 10104             | -60.26       | -25           | -35.26            | -69.97             | 3.19                 | 12.90                 | V                  |

| 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) |
| Middle                     | 1406              | -67.15      | -13           | -54.15            | -68.36             | 2.319                | 5.68                  | H                  |
|                            | 2110              | -66.29      | -13           | -53.29            | -66.92             | 3.02                 | 5.80                  | H                  |
|                            | 2812              | -64.26      | -13           | -51.26            | -66.72             | 3.27                 | 7.88                  | H                  |
|                            | 1406              | -67.00      | -13           | -54.00            | -68.21             | 2.32                 | 5.68                  | V                  |
|                            | 2110              | -66.50      | -13           | -53.50            | -67.13             | 3.02                 | 5.80                  | V                  |
|                            | 2812              | -64.62      | -13           | -51.62            | -67.08             | 3.27                 | 7.88                  | V                  |

| 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) |
| Middle                    | 1560              | -67.72      | -40           | -27.72            | -71.58             | 2.23                 | 6.09                  | H                  |
|                           | 2340              | -65.57      | -13           | -52.57            | -66.10             | 2.83                 | 5.51                  | H                  |
|                           | 3120              | -64.12      | -13           | -51.12            | -66.06             | 3.21                 | 7.30                  | H                  |
|                           | 1560              | -67.42      | -40           | -27.42            | -71.28             | 2.23                 | 6.09                  | V                  |
|                           | 2340              | -65.81      | -13           | -52.81            | -66.34             | 2.83                 | 5.51                  | V                  |
|                           | 3120              | -64.30      | -13           | -51.30            | -66.24             | 3.21                 | 7.30                  | V                  |



| LTE Band 25 / 20MHz / QPSK |                      |                 |                  |                         |                          |                            |                             |                       |
|----------------------------|----------------------|-----------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                     | 3747                 | -62.42          | -13              | -49.42                  | -67.29                   | 3.55                       | 8.42                        | H                     |
|                            | 5622                 | -59.54          | -13              | -46.54                  | -65.88                   | 4.34                       | 10.68                       | H                     |
|                            | 7494                 | -54.73          | -13              | -41.73                  | -61.53                   | 5.14                       | 11.94                       | H                     |
|                            | 3747                 | -60.68          | -13              | -47.68                  | -65.55                   | 3.55                       | 8.42                        | V                     |
|                            | 5622                 | -59.12          | -13              | -46.12                  | -65.46                   | 4.34                       | 10.68                       | V                     |
|                            | 7494                 | -54.97          | -13              | -41.97                  | -61.77                   | 5.14                       | 11.94                       | V                     |

| LTE Band 26 / 15MHz / QPSK |                      |                |                  |                         |                          |                            |                             |                       |
|----------------------------|----------------------|----------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                     | 1660                 | -68.80         | -13              | -55.80                  | -70.01                   | 2.32                       | 5.68                        | H                     |
|                            | 2490                 | -64.98         | -13              | -51.98                  | -65.61                   | 3.02                       | 5.80                        | H                     |
|                            | 3318                 | -63.96         | -13              | -50.96                  | -66.42                   | 3.27                       | 7.88                        | H                     |
|                            | 1660                 | -69.04         | -13              | -56.04                  | -70.25                   | 2.32                       | 5.68                        | V                     |
|                            | 2490                 | -65.19         | -13              | -52.19                  | -65.82                   | 3.02                       | 5.80                        | V                     |
|                            | 3318                 | -64.12         | -13              | -51.12                  | -66.58                   | 3.27                       | 7.88                        | V                     |



| LTE Band 41 / 10MHz / 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) |
| Middle                     | 5176              | -45.54       | -25           | -20.54            | -51.55             | 4.20                 | 10.21                 | H                  |
|                            | 7764              | -48.60       | -25           | -23.60            | -55.46             | 5.12                 | 11.98                 | H                  |
|                            | 10350             | -57.94       | -25           | -32.94            | -64.98             | 5.86                 | 12.90                 | H                  |
|                            | 5176              | -50.05       | -25           | -25.05            | -56.06             | 4.20                 | 10.21                 | V                  |
|                            | 7764              | -51.57       | -25           | -26.57            | -58.43             | 5.12                 | 11.98                 | V                  |
|                            | 10350             | -59.18       | -25           | -34.18            | -66.22             | 5.86                 | 12.90                 | V                  |

| LTE Band 66 / 10MHz / 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) |
| Middle                     | 3480              | -59.37       | -13           | -46.37            | -64.09             | 3.41                 | 8.13                  | H                  |
|                            | 5223              | -60.59       | -13           | -47.59            | -66.60             | 4.195                | 10.20                 | H                  |
|                            | 6963              | -56.73       | -13           | -43.73            | -63.18             | 4.91                 | 11.36                 | H                  |
|                            | 3480              | -61.62       | -13           | -48.62            | -66.34             | 3.413                | 8.13                  | V                  |
|                            | 5223              | -60.39       | -13           | -47.39            | -66.40             | 4.195                | 10.20                 | V                  |
|                            | 6963              | -56.70       | -13           | -43.70            | -63.15             | 4.911                | 11.36                 | V                  |

| LTE Band 71 / 20MHz / 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                     | 1348              | -67.09      | -13           | -54.09            | -68.80             | 2.23                 | 6.09                  | H                  |
|                            | 2022.27           | -66.64      | -13           | -53.64            | -67.17             | 2.83                 | 5.51                  | H                  |
|                            | 2696.36           | -64.87      | -13           | -51.87            | -66.81             | 3.21                 | 7.30                  | H                  |
|                            | 1348.18           | -67.24      | -13           | -54.24            | -68.95             | 2.23                 | 6.09                  | V                  |
|                            | 2022.27           | -66.67      | -13           | -53.67            | -67.20             | 2.83                 | 5.51                  | V                  |
|                            | 2696              | -64.87      | -13           | -51.87            | -66.81             | 3.21                 | 7.30                  | V                  |

**For CA:**

| LTE Band 41 CA / 20M+20M / QPSK |                      |                 |                  |                         |                          |                            |                             |                       |
|---------------------------------|----------------------|-----------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                         | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                          | 5150                 | -47.80          | -25              | -22.80                  | -53.81                   | 4.20                       | 10.21                       | H                     |
|                                 | 7720                 | -47.99          | -25              | -22.99                  | -54.85                   | 5.12                       | 11.98                       | H                     |
|                                 | 10296                | -57.29          | -25              | -32.29                  | -64.33                   | 5.86                       | 12.90                       | H                     |
|                                 | 5150                 | -51.53          | -25              | -26.53                  | -57.54                   | 4.20                       | 10.21                       | V                     |
|                                 | 7720                 | -52.30          | -25              | -27.30                  | -59.16                   | 5.12                       | 11.98                       | V                     |
|                                 | 10296                | -59.82          | -25              | -34.82                  | -66.86                   | 5.86                       | 12.90                       | V                     |