



# Appendix B

## LTE-NB1 Band 4





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## 1 Effective (Isotropic) Radiated Power Output Data

### 1.1 Test Result for LTE NB1 Band 4

| Test Band  | Test Mode | Sub-carrier Spacing (kHz) | Test channel | Number of T | Conducted Power (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|------------|-----------|---------------------------|--------------|-------------|-----------------------|------------|-------------|---------|
| NB1 Band 4 | BPSK      | 3.75                      | 19951        | 1T0         | 23.12                 | 25.76      | 30.00       | PASS    |
| NB1 Band 4 | BPSK      | 3.75                      | 19951        | 1T47        | 22.85                 | 25.49      | 30.00       | PASS    |
| NB1 Band 4 | BPSK      | 3.75                      | 20175        | 1T0         | 23.10                 | 25.74      | 30.00       | PASS    |
| NB1 Band 4 | BPSK      | 3.75                      | 20175        | 1T47        | 23.17                 | 25.81      | 30.00       | PASS    |
| NB1 Band 4 | BPSK      | 3.75                      | 20399        | 1T0         | 23.11                 | 25.75      | 30.00       | PASS    |
| NB1 Band 4 | BPSK      | 3.75                      | 20399        | 1T47        | 23.17                 | 25.81      | 30.00       | PASS    |
| NB1 Band 4 | QPSK      | 3.75                      | 19951        | 1T0         | 22.88                 | 25.52      | 30.00       | PASS    |
| NB1 Band 4 | QPSK      | 3.75                      | 19951        | 1T47        | 22.89                 | 25.53      | 30.00       | PASS    |
| NB1 Band 4 | QPSK      | 3.75                      | 20175        | 1T0         | 22.95                 | 25.59      | 30.00       | PASS    |
| NB1 Band 4 | QPSK      | 3.75                      | 20175        | 1T47        | 23.15                 | 25.79      | 30.00       | PASS    |
| NB1 Band 4 | QPSK      | 3.75                      | 20399        | 1T0         | 22.82                 | 25.46      | 30.00       | PASS    |
| NB1 Band 4 | QPSK      | 3.75                      | 20399        | 1T47        | 23.11                 | 25.76      | 30.00       | PASS    |

| Test Band  | Test Mode | Sub-carrier Spacing (kHz) | Test channel | Number of T | Conducted Power (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|------------|-----------|---------------------------|--------------|-------------|-----------------------|------------|-------------|---------|
| NB1 Band 4 | BPSK      | 15                        | 19951        | 1T0         | 22.81                 | 25.45      | 30.00       | PASS    |
| NB1 Band 4 | BPSK      | 15                        | 19951        | 1T11        | 23.19                 | 25.83      | 30.00       | PASS    |
| NB1 Band 4 | BPSK      | 15                        | 20175        | 1T0         | 22.81                 | 25.45      | 30.00       | PASS    |
| NB1 Band 4 | BPSK      | 15                        | 20175        | 1T11        | 22.85                 | 25.49      | 30.00       | PASS    |
| NB1 Band 4 | BPSK      | 15                        | 20399        | 1T0         | 22.88                 | 25.52      | 30.00       | PASS    |
| NB1 Band 4 | BPSK      | 15                        | 20399        | 1T11        | 22.97                 | 25.61      | 30.00       | PASS    |
| NB1 Band 4 | QPSK      | 15                        | 19951        | 1T0         | 23.16                 | 25.80      | 30.00       | PASS    |
| NB1 Band 4 | QPSK      | 15                        | 19951        | 1T11        | 22.85                 | 25.49      | 30.00       | PASS    |
| NB1 Band 4 | QPSK      | 15                        | 19951        | 12T0        | 21.08                 | 23.72      | 30.00       | PASS    |
| NB1 Band 4 | QPSK      | 15                        | 20175        | 1T0         | 22.89                 | 25.53      | 30.00       | PASS    |
| NB1 Band 4 | QPSK      | 15                        | 20175        | 1T11        | 23.12                 | 25.76      | 30.00       | PASS    |
| NB1 Band 4 | QPSK      | 15                        | 20175        | 12T0        | 21.06                 | 23.70      | 30.00       | PASS    |
| NB1 Band 4 | QPSK      | 15                        | 20399        | 1T0         | 23.00                 | 25.64      | 30.00       | PASS    |
| NB1 Band 4 | QPSK      | 15                        | 20399        | 1T11        | 23.07                 | 25.71      | 30.00       | PASS    |
| NB1 Band 4 | QPSK      | 15                        | 20399        | 12T0        | 20.89                 | 23.53      | 30.00       | PASS    |

Note:

a: For getting the EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$EIRP [dBm] = \text{Conducted Power} [dBm] + \text{Gain} [dBi]$

$ERP [dBm] = \text{Conducted Power} [dBm] + \text{Gain} [dBi] - 2.15$



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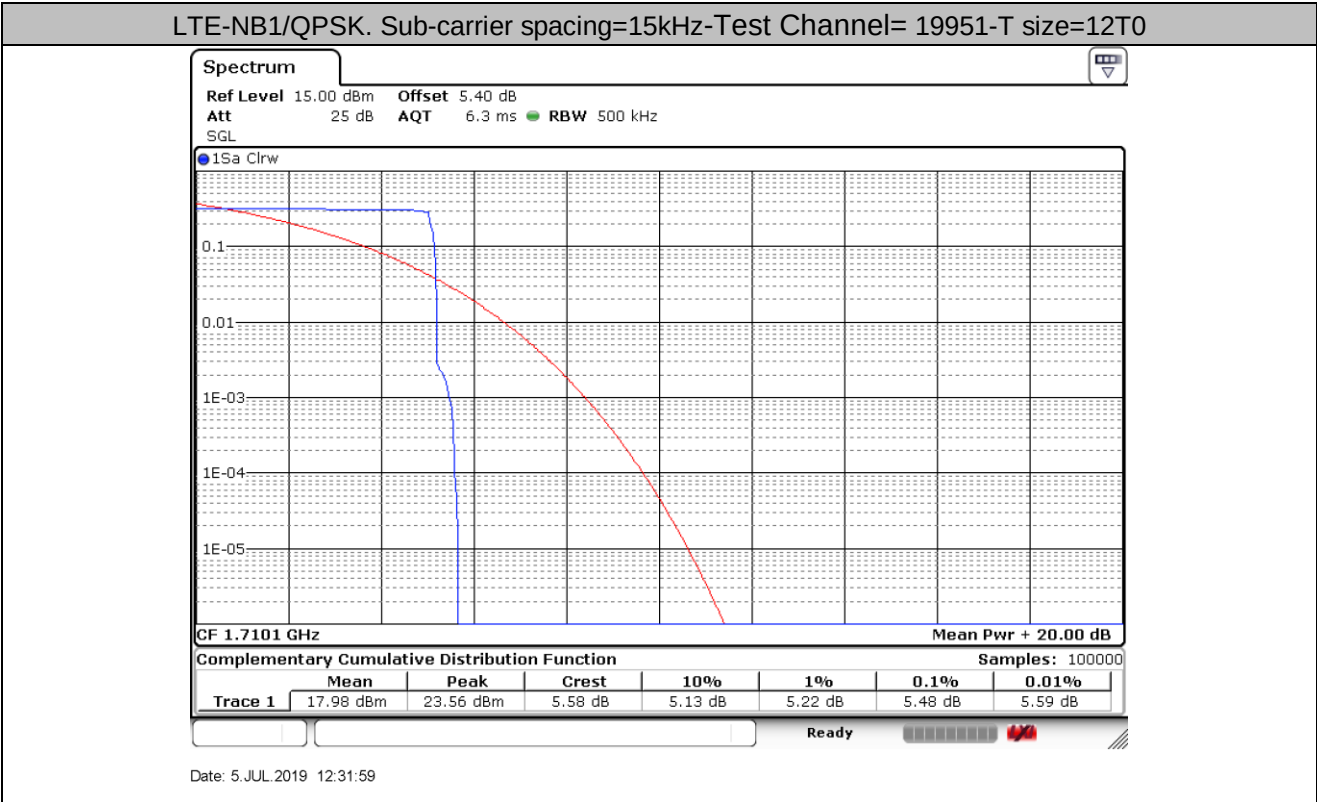
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## 2 Peak-to-Average Ratio

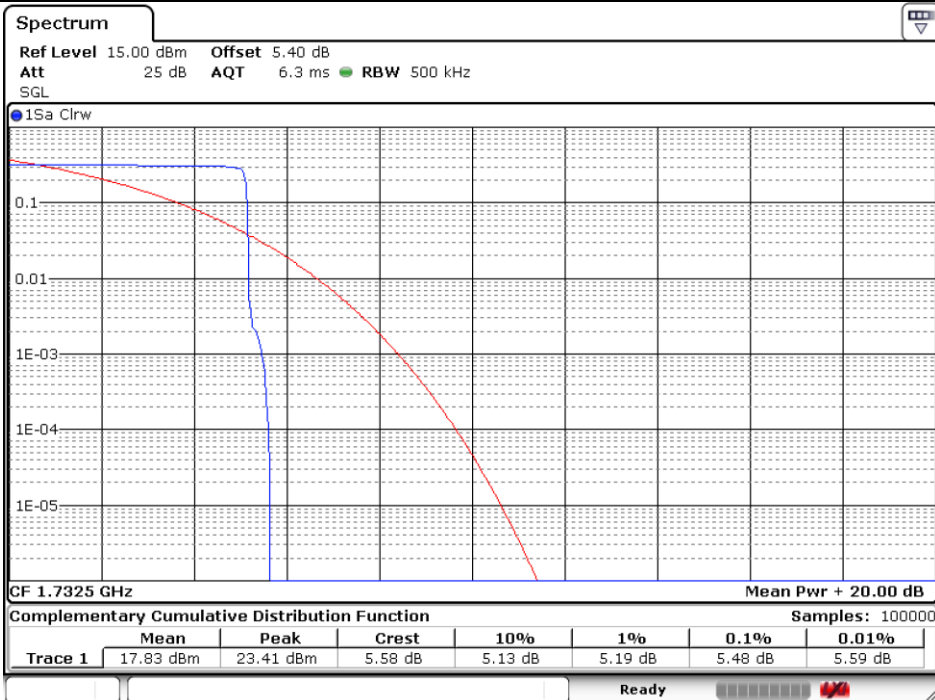
| Test Band  | Test Mode | Test Channel | Measured[dB] | Limit [dB] | Verdict |
|------------|-----------|--------------|--------------|------------|---------|
| NB1 Band 4 | QPSK/12T0 | 19951        | 5.48         | 13         | PASS    |
| NB1 Band 4 | QPSK/12T0 | 20175        | 5.48         | 13         | PASS    |
| NB1 Band 4 | QPSK/12T0 | 20399        | 5.51         | 13         | PASS    |

### 2.1 For LTE-NB1

#### 2.1.1 Test Band = LTE-NB1 Band 4

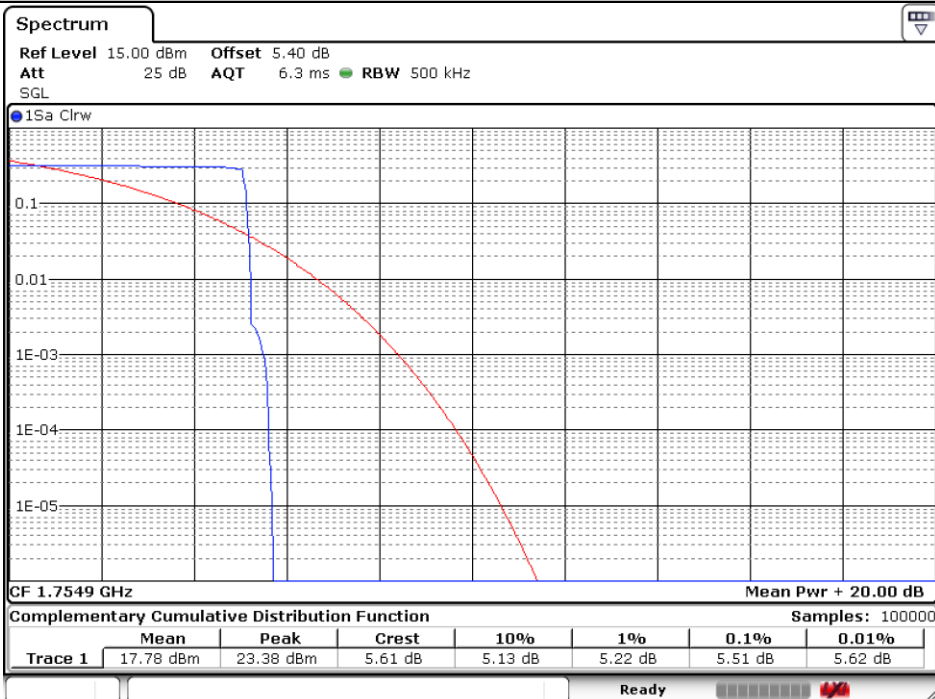


## LTE-NB1/QPSK. Sub-carrier spacing=15kHz-Test Channel= 20175-T size=12T0



Date: 5 JUL 2019 12:37:41

## LTE-NB1/QPSK. Sub-carrier spacing=15kHz-Test Channel= 20399-T size=12T0



Date: 5 JUL 2019 12:44:05



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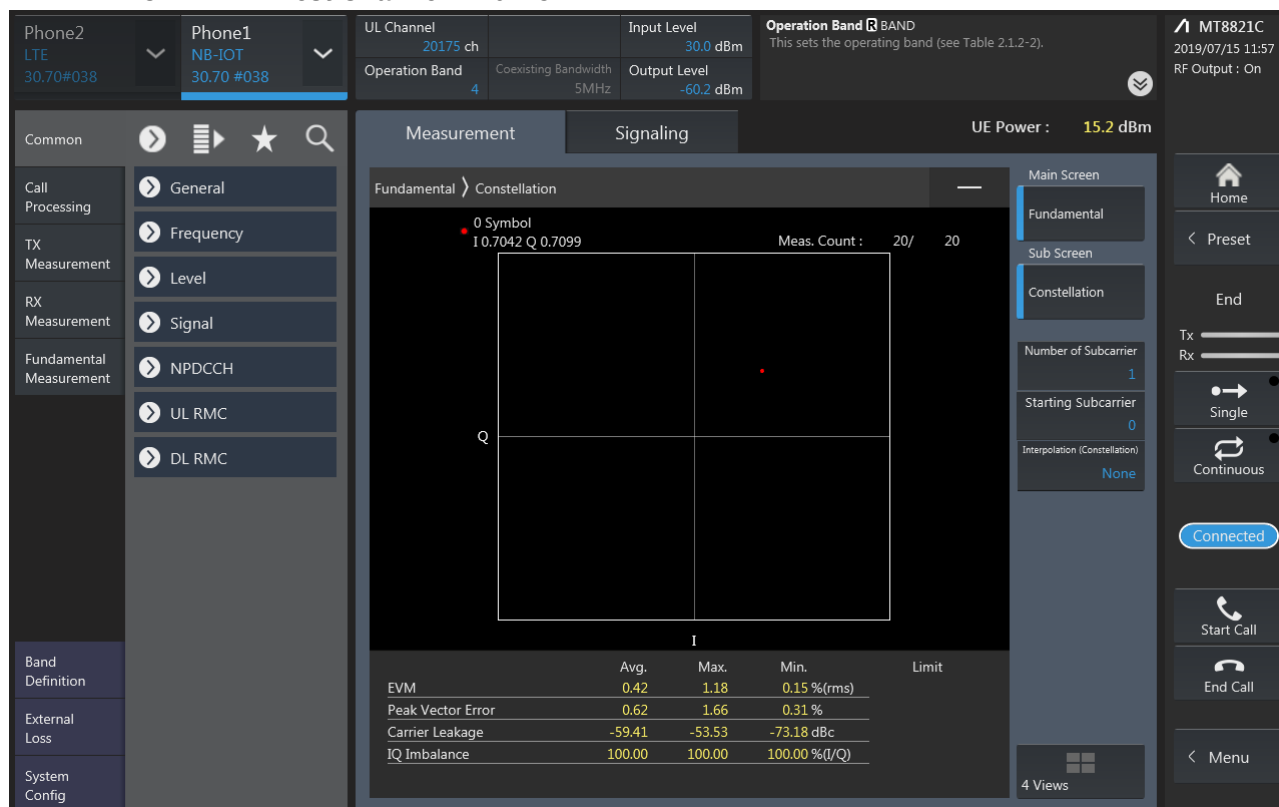
## 3 Modulation Characteristics

### 3.1 For LTE-NB1

#### 3.1.1 Test Band = LTE-NB1 Band 4

##### 3.1.1.1 Test Mode = LTE-NB1/BPSK. Sub-carrier spacing=15kHz.T size=12T0

##### 3.1.1.1.1 Test Channel = 20175



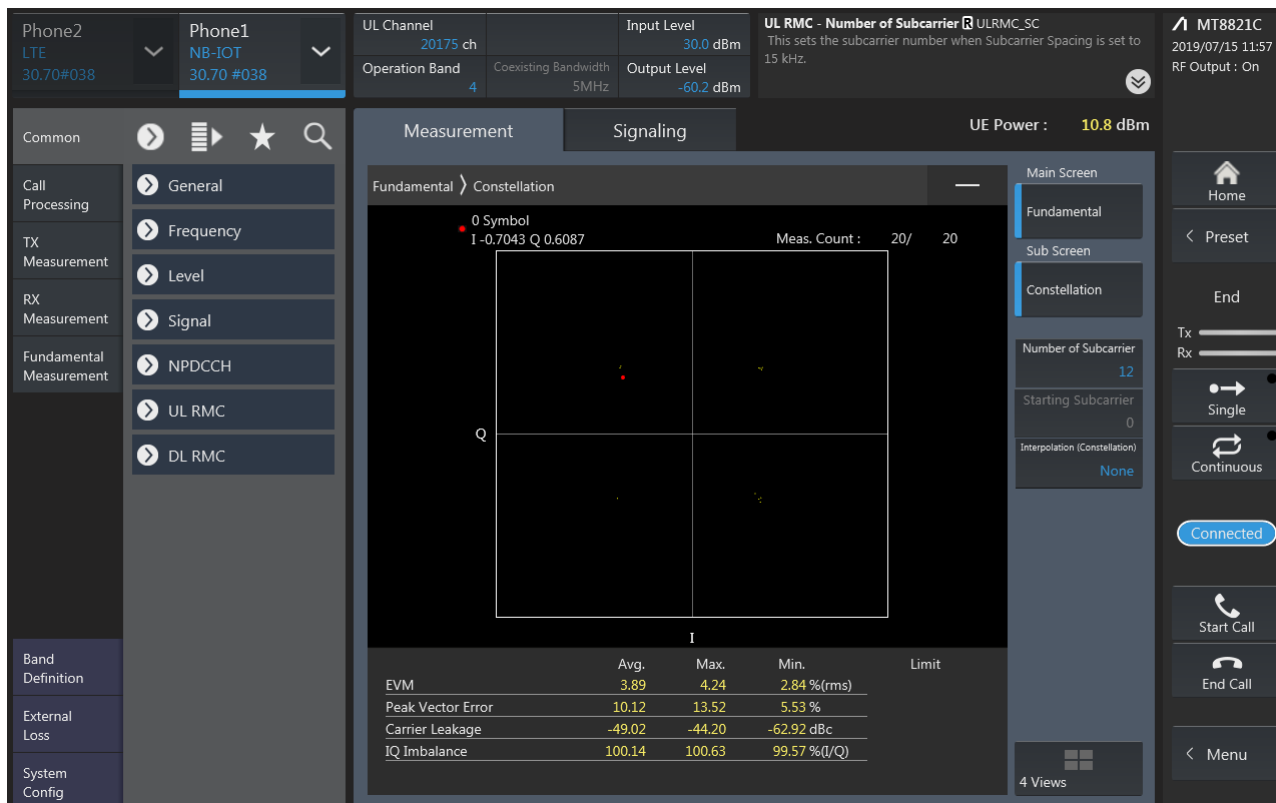
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### 3.1.1.2 Test Mode = LTE-NB1/QPSK. Sub-carrier spacing=15kHz.T size=12T0

#### 3.1.1.2.1 Test Channel = 20175

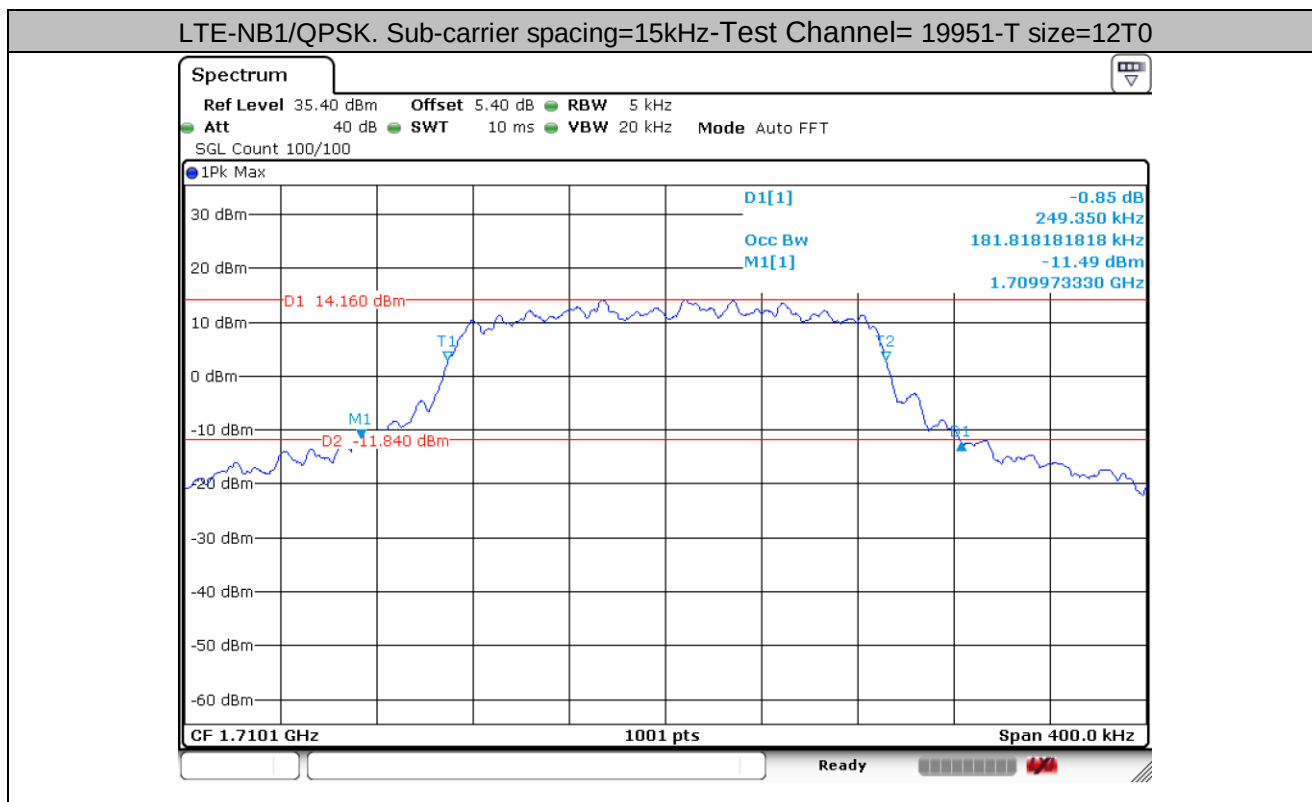


## 4 Bandwidth

| Test Band  | Test Mode  | T size | Test Channel | Occupied Bandwidth [kHz] | Emission Bandwidth [kHz] | Verdict |
|------------|------------|--------|--------------|--------------------------|--------------------------|---------|
| NB1 Band 4 | QPSK/15kHz | 12T0   | 19951        | 181.82                   | 249.35                   | PASS    |
| NB1 Band 4 | QPSK/15kHz | 12T0   | 20175        | 181.02                   | 249.75                   | PASS    |
| NB1 Band 4 | QPSK/15kHz | 12T0   | 20399        | 181.02                   | 242.56                   | PASS    |

### 4.1 For LTE-NB1

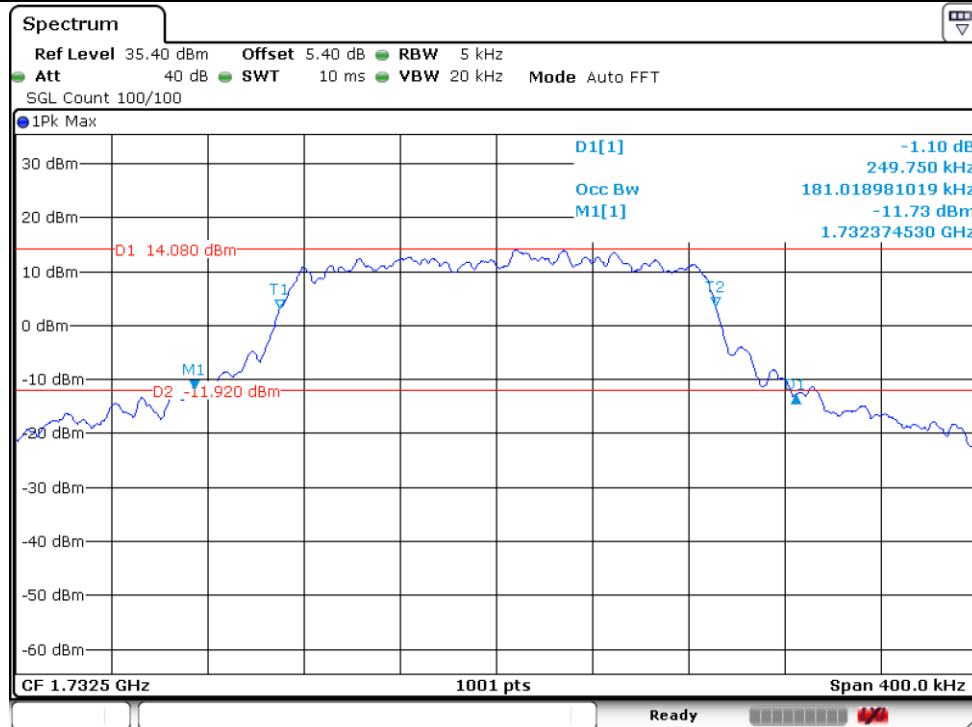
#### 4.1.1 Test Band = LTE-NB1 Band 4



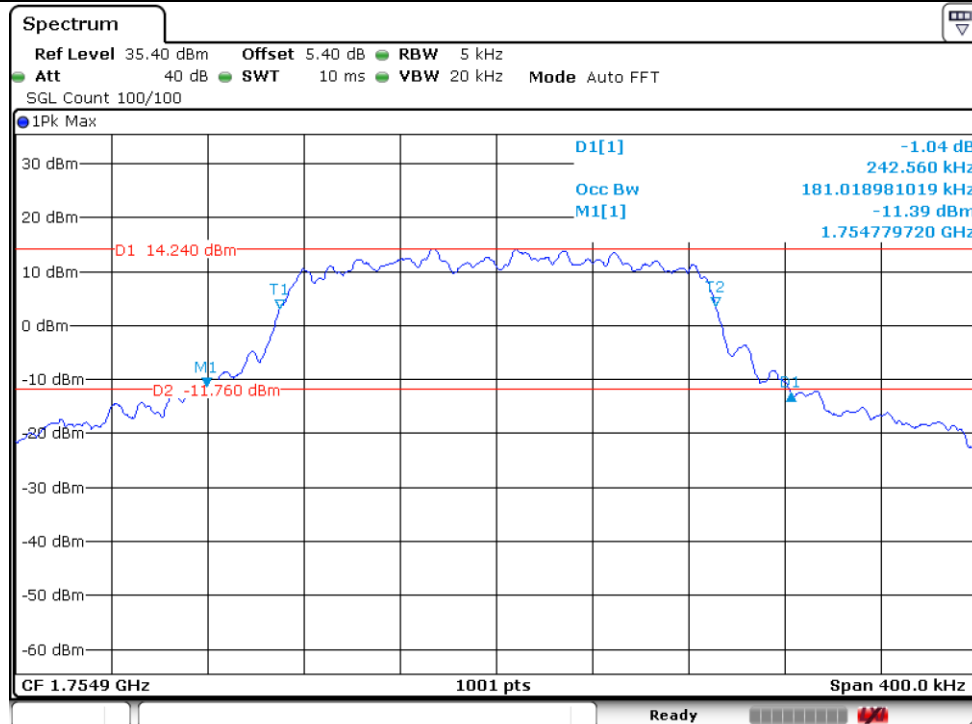
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## LTE-NB1/QPSK. Sub-carrier spacing=15kHz-Test Channel= 20175-T size=12T0



## LTE-NB1/QPSK. Sub-carrier spacing=15kHz-Test Channel= 20399-T size=12T0

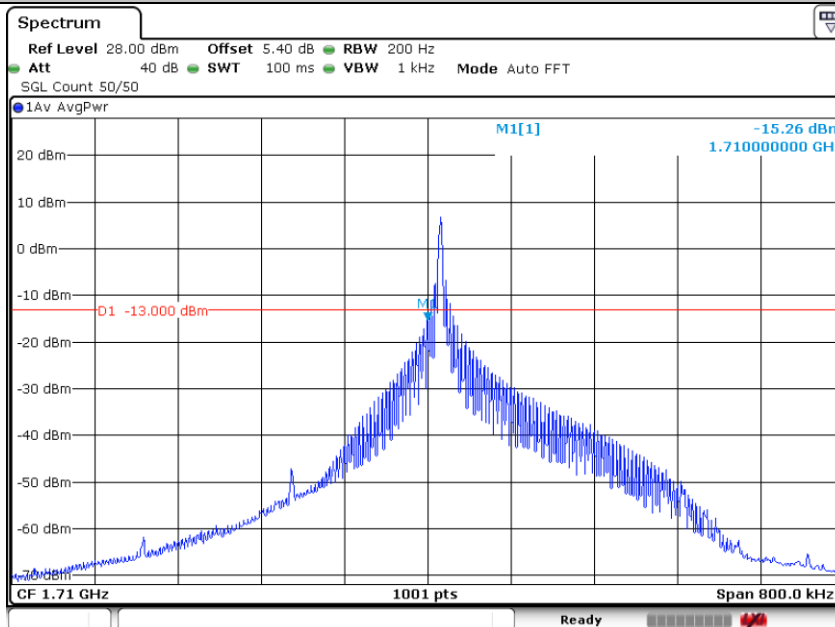


## 5 Band Edges Compliance

### 5.1 For LTE-NB1

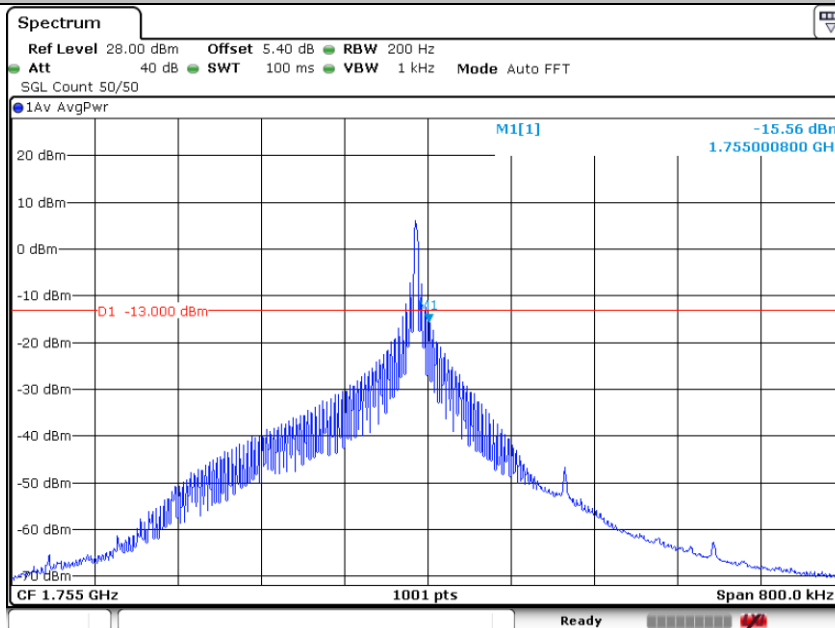
#### 5.1.1 Test Band = LTE-NB1 Band 4

LTE-NB1/BPSK. Sub-carrier spacing=3.75kHz-Test Channel=19951-T size=1T0



Date: 20.AUG.2019 05:19:04

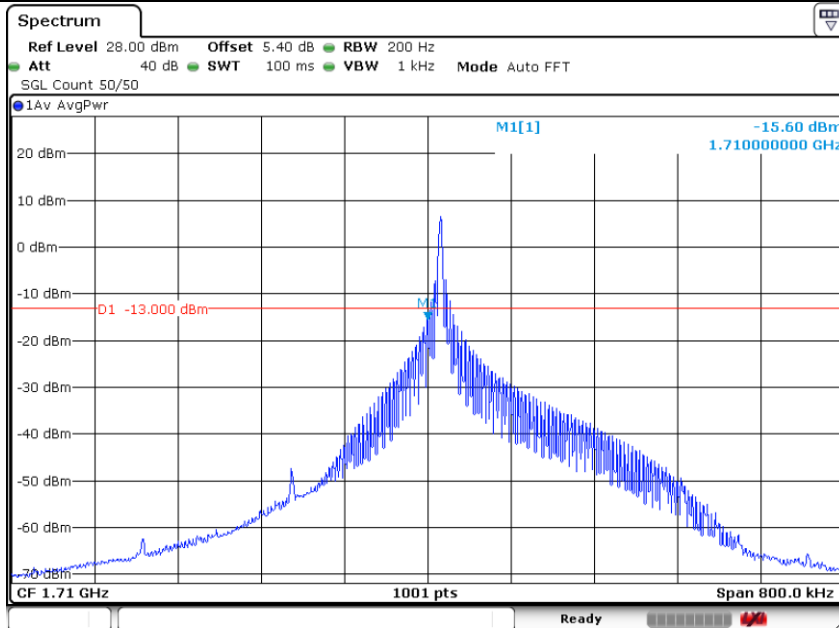
LTE-NB1/BPSK. Sub-carrier spacing=3.75kHz-Test Channel=20399-T size=1T47



Date: 20.AUG.2019 05:26:29

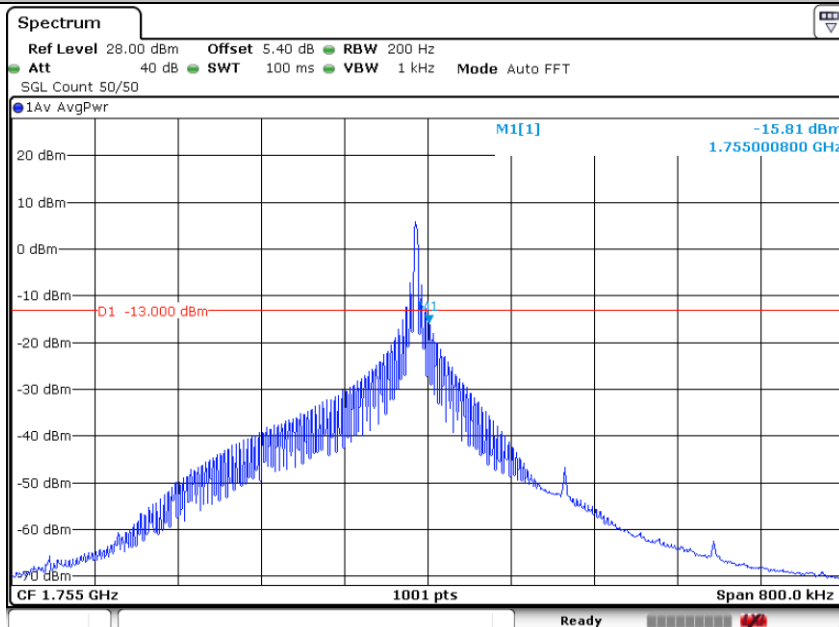


LTE-NB1/QPSK. Sub-carrier spacing=3.75kHz-Test Channel=19951-T size=1T0



Date: 20.AUG.2019 05:19:40

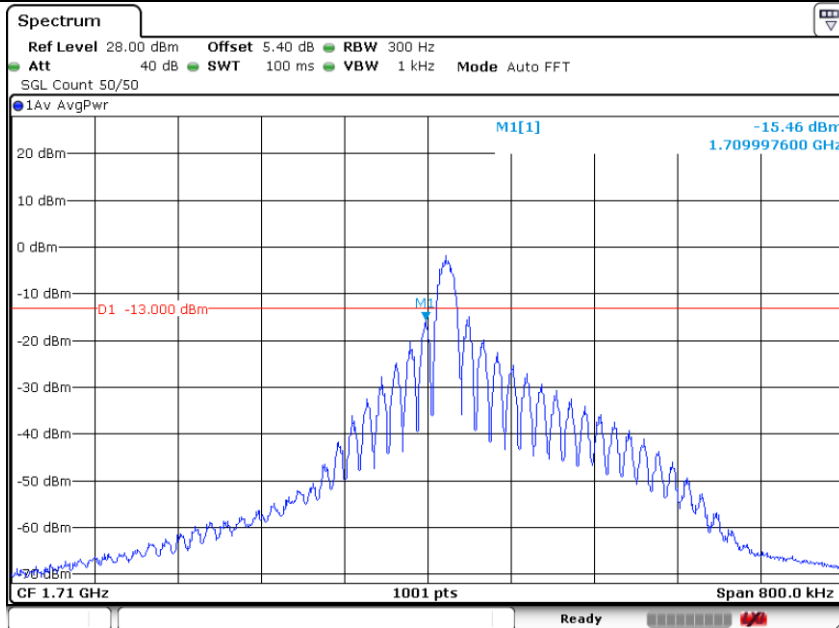
LTE-NB1/QPSK. Sub-carrier spacing=3.75kHz-Test Channel=20399-T size=1T47



Date: 20.AUG.2019 05:26:02

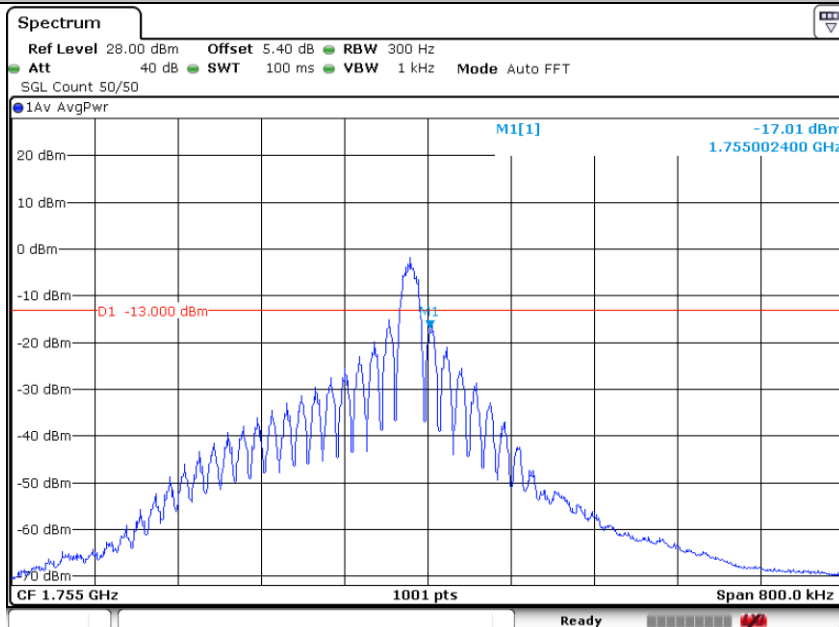


## LTE-NB1/BPSK. Sub-carrier spacing=15kHz-Test Channel=19951-T size=1T0



Date: 20.AUG.2019 05:22:03

## LTE-NB1/BPSK. Sub-carrier spacing=15kHz-Test Channel=20399-T size=1T11



Date: 20.AUG.2019 05:25:17

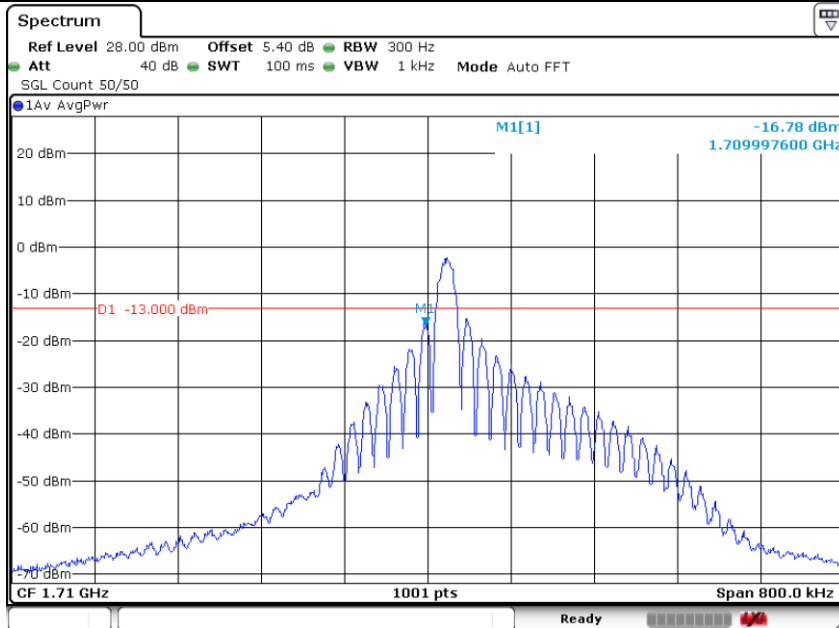


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LTE-NB1/QPSK. Sub-carrier spacing=15kHz-Test Channel=19951-T size=1T0



Date: 20.AUG.2019 05:21:29

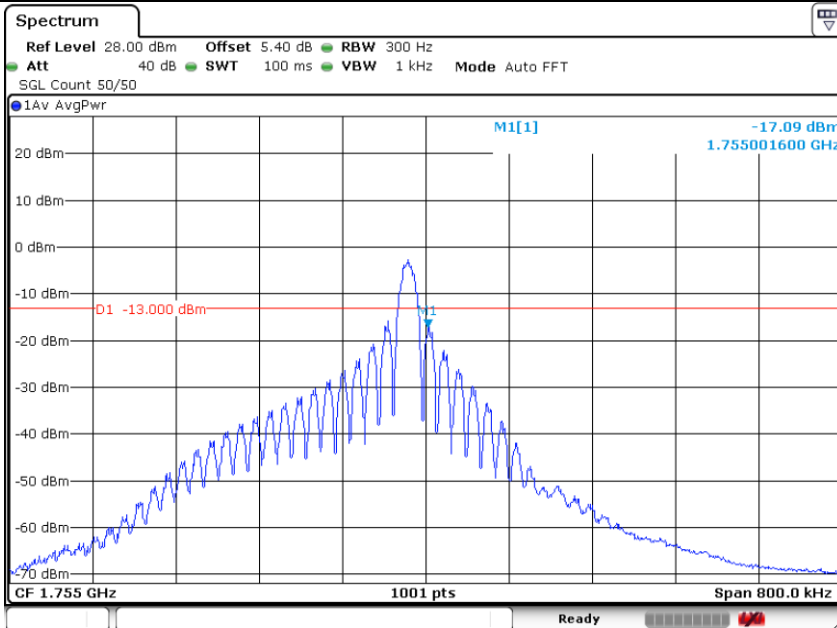
LTE-NB1/QPSK. Sub-carrier spacing=15kHz-Test Channel=19951-T size=12T0



Date: 20.AUG.2019 05:22:42



## LTE-NB1/QPSK. Sub-carrier spacing=15kHz-Test Channel=20399-T size=1T11



Date: 20.AUG.2019 05:24:50

## LTE-NB1/QPSK. Sub-carrier spacing=15kHz-Test Channel=20399-T size=12T0



Date: 20.AUG.2019 05:23:51



## 6 Spurious Emission at Antenna Terminal

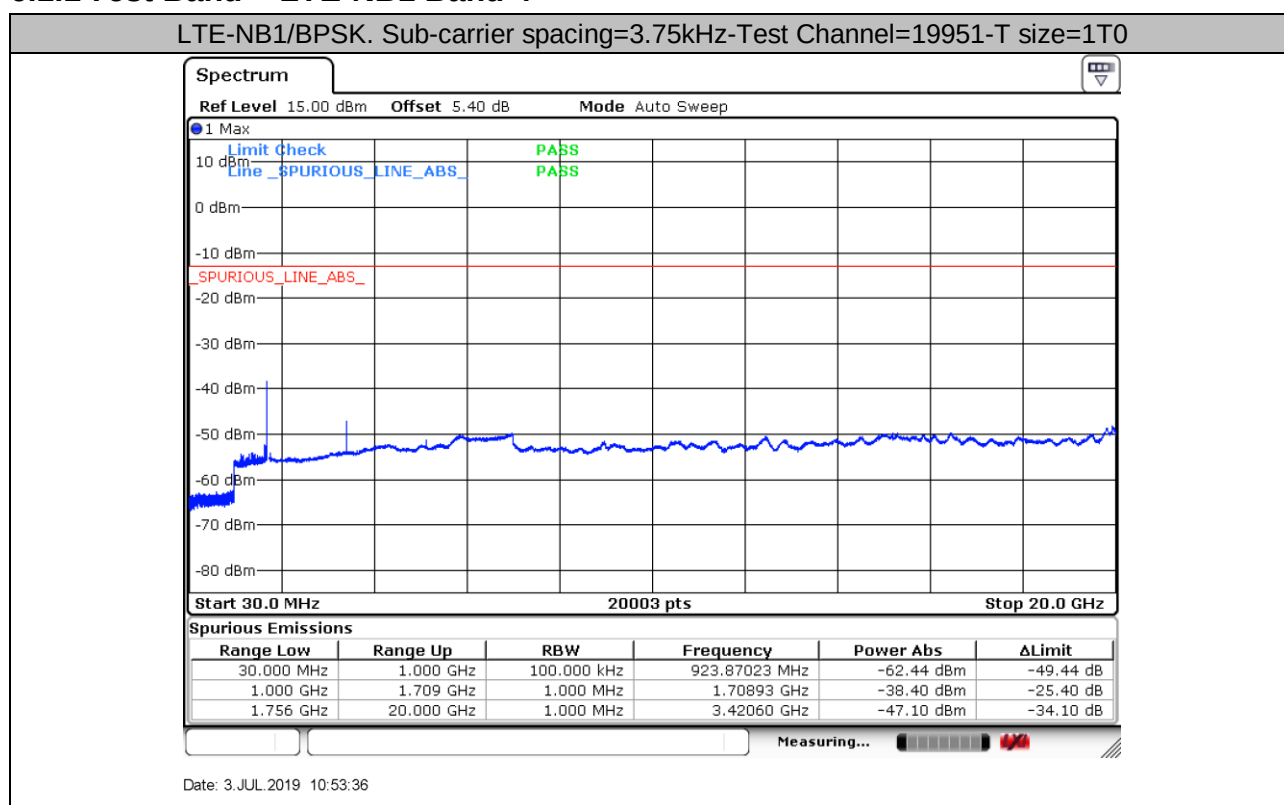
NOTE1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (Span / RBW)$ " with  $k$  between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

NOTE2: only the worst case data displayed in this report.

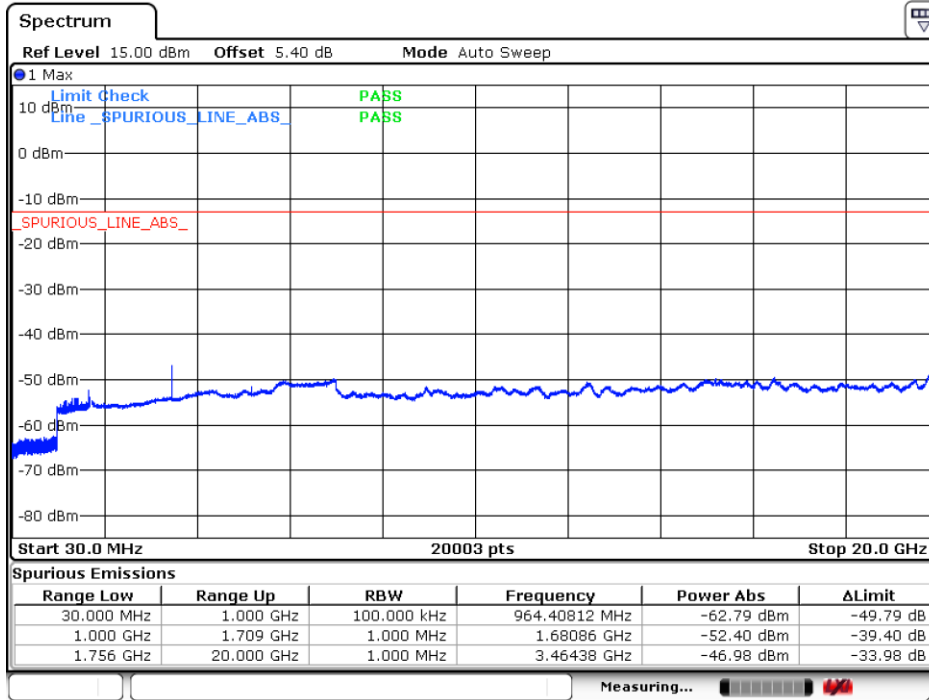
Part I - Test Plots

### 6.1 For LTE-NB1

#### 6.1.1 Test Band = LTE-NB1 Band 4

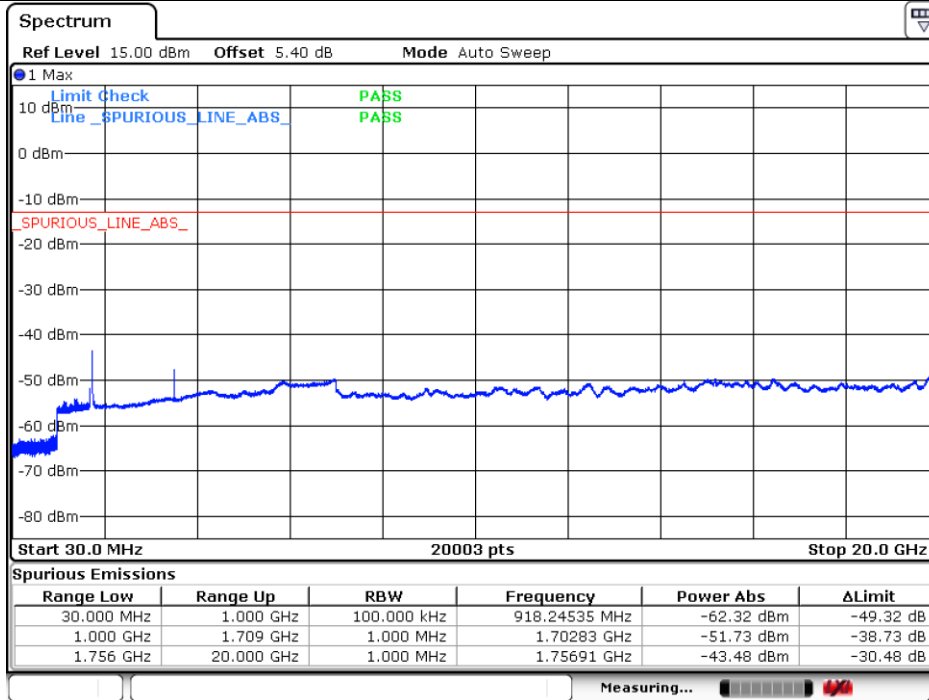


LTE-NB1/BPSK. Sub-carrier spacing=3.75kHz-Test Channel=20175-T size=1T0



Date: 3 JUL 2019 10:55:21

LTE-NB1/BPSK. Sub-carrier spacing=3.75kHz-Test Channel=20399-T size=1T0



Date: 3 JUL 2019 12:31:37



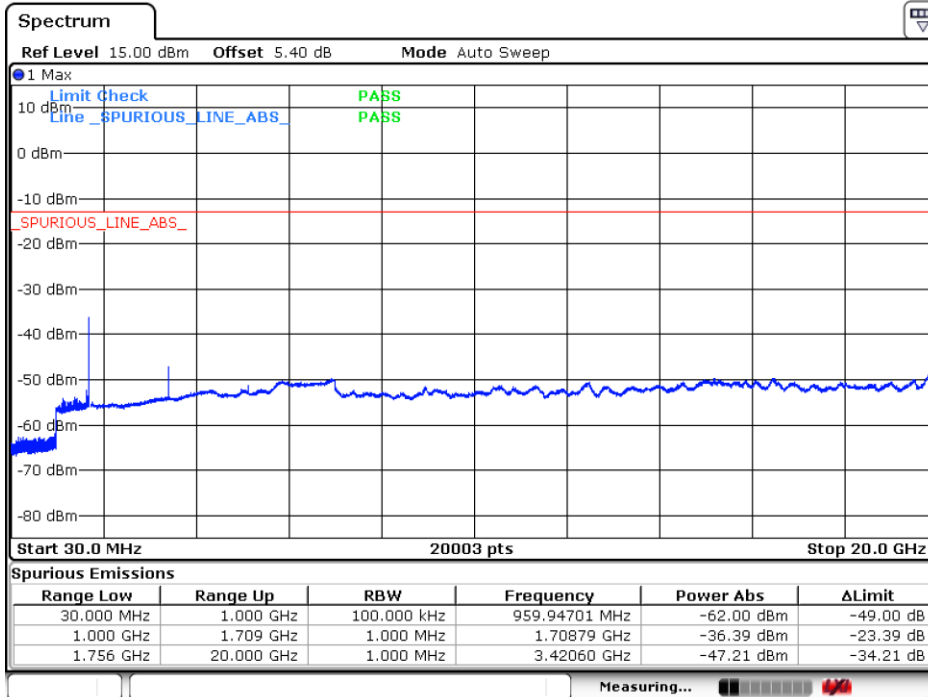
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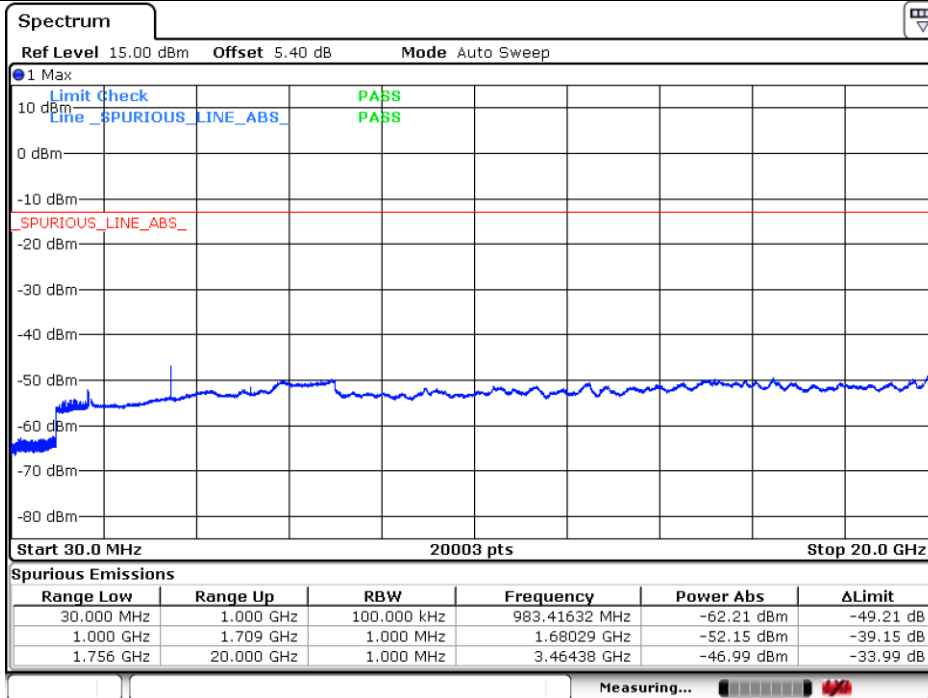
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## LTE-NB1/QPSK. Sub-carrier spacing=3.75kHz-Test Channel=19951-T size=1T0



Date: 3 JUL 2019 10:52:49

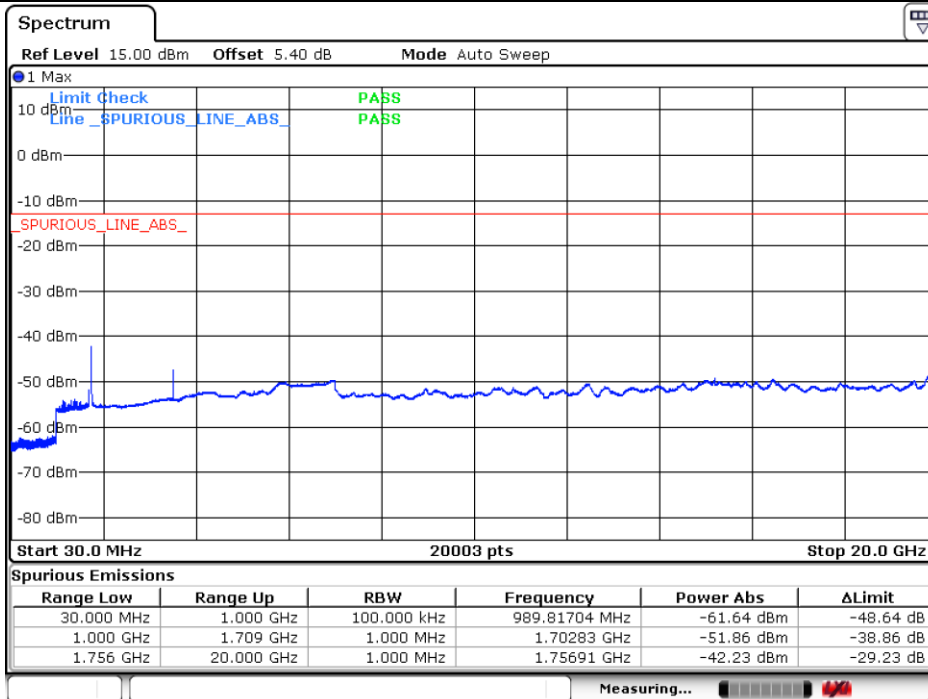
## LTE-NB1/QPSK. Sub-carrier spacing=3.75kHz-Test Channel=20175-T size=1T0



Date: 3 JUL 2019 10:56:16

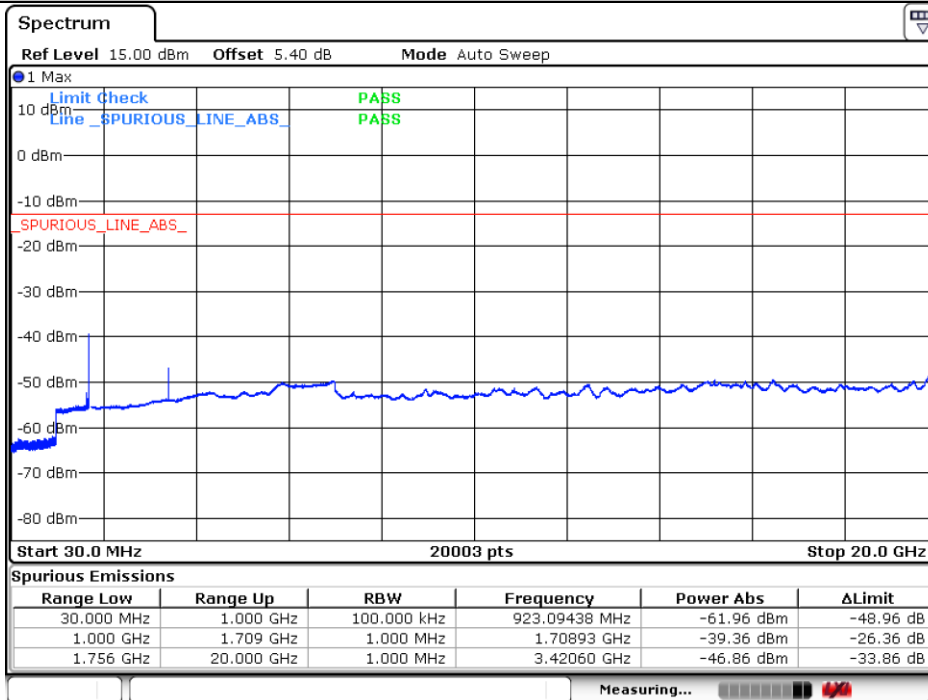


## LTE-NB1/QPSK. Sub-carrier spacing=3.75kHz-Test Channel=20399-T size=1T0



Date: 3 JUL 2019 12:30:59

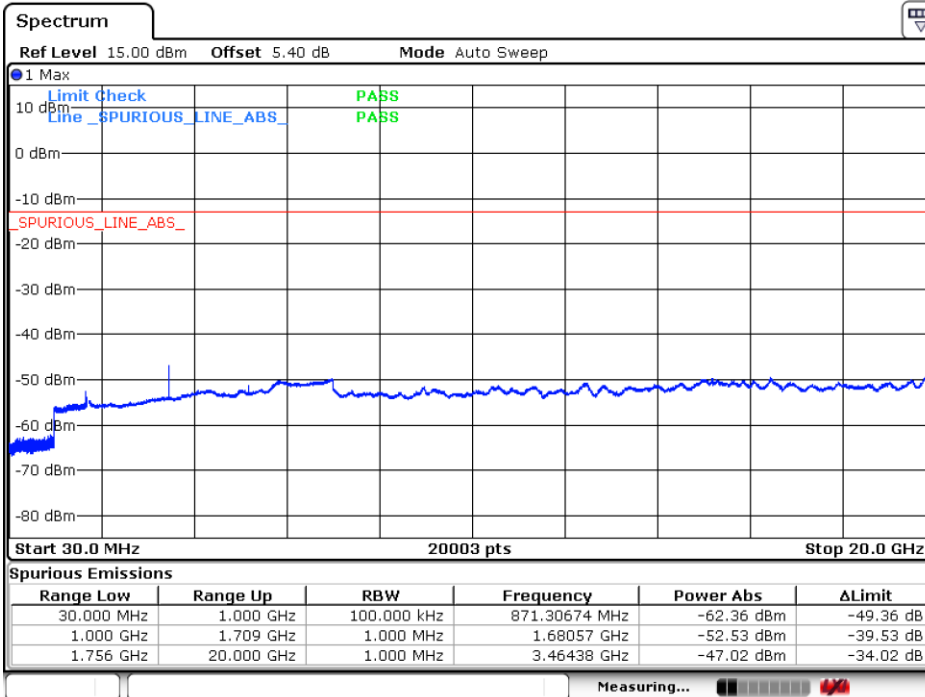
## LTE-NB1/BPSK. Sub-carrier spacing=15kHz-Test Channel=19951-T size=1T0



Date: 3 JUL 2019 10:49:33

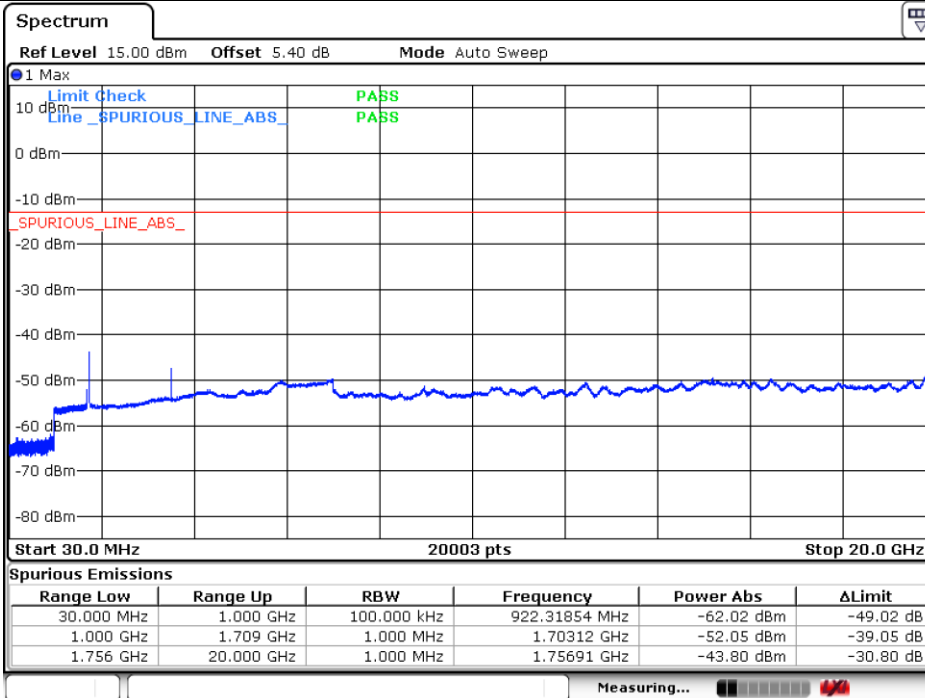


## LTE-NB1/BPSK. Sub-carrier spacing=15kHz-Test Channel=20175-T size=1T0



Date: 3 JUL 2019 10:59:14

## LTE-NB1/BPSK. Sub-carrier spacing=15kHz-Test Channel=20399-T size=1T0



Date: 3 JUL 2019 12:26:25



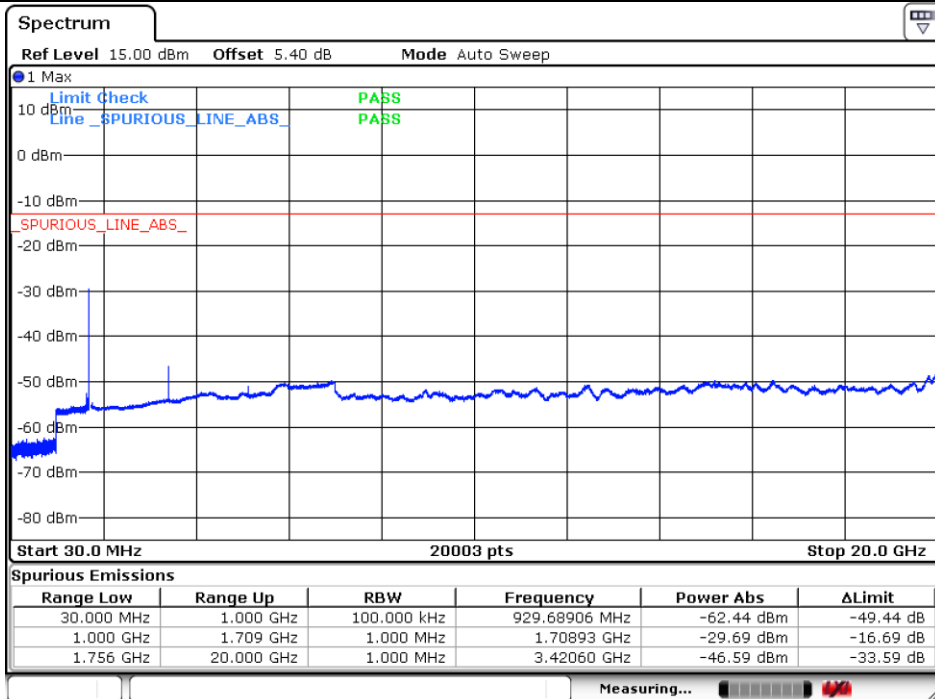
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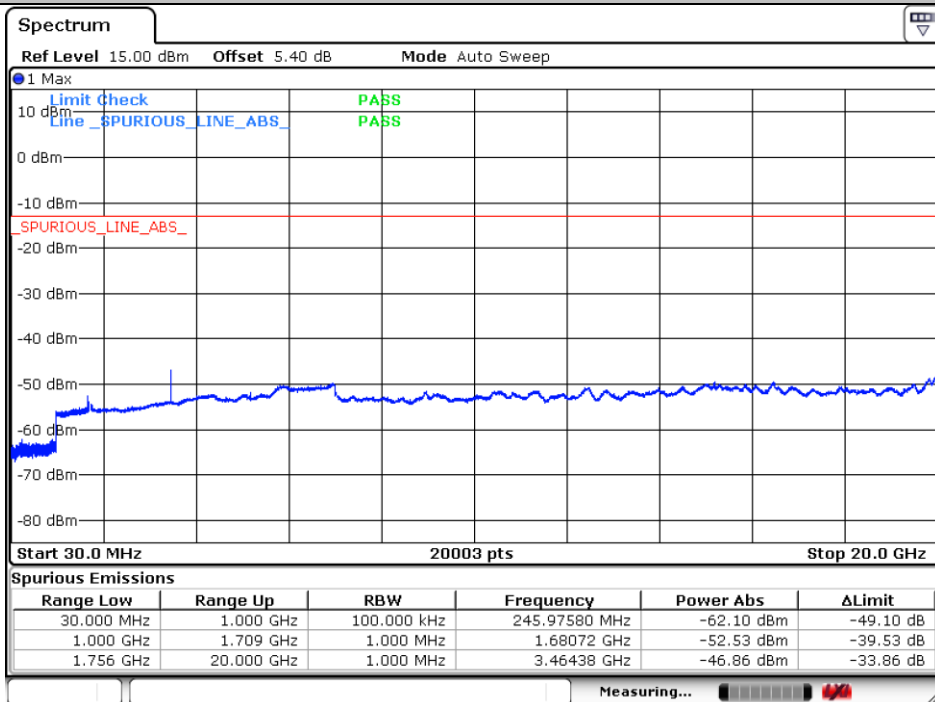
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LTE-NB1/QPSK. Sub-carrier spacing=15kHz-Test Channel=19951-T size=1T0



Date: 3 JUL 2019 10:51:38

LTE-NB1/QPSK. Sub-carrier spacing=15kHz-Test Channel=20175-T size=1T0



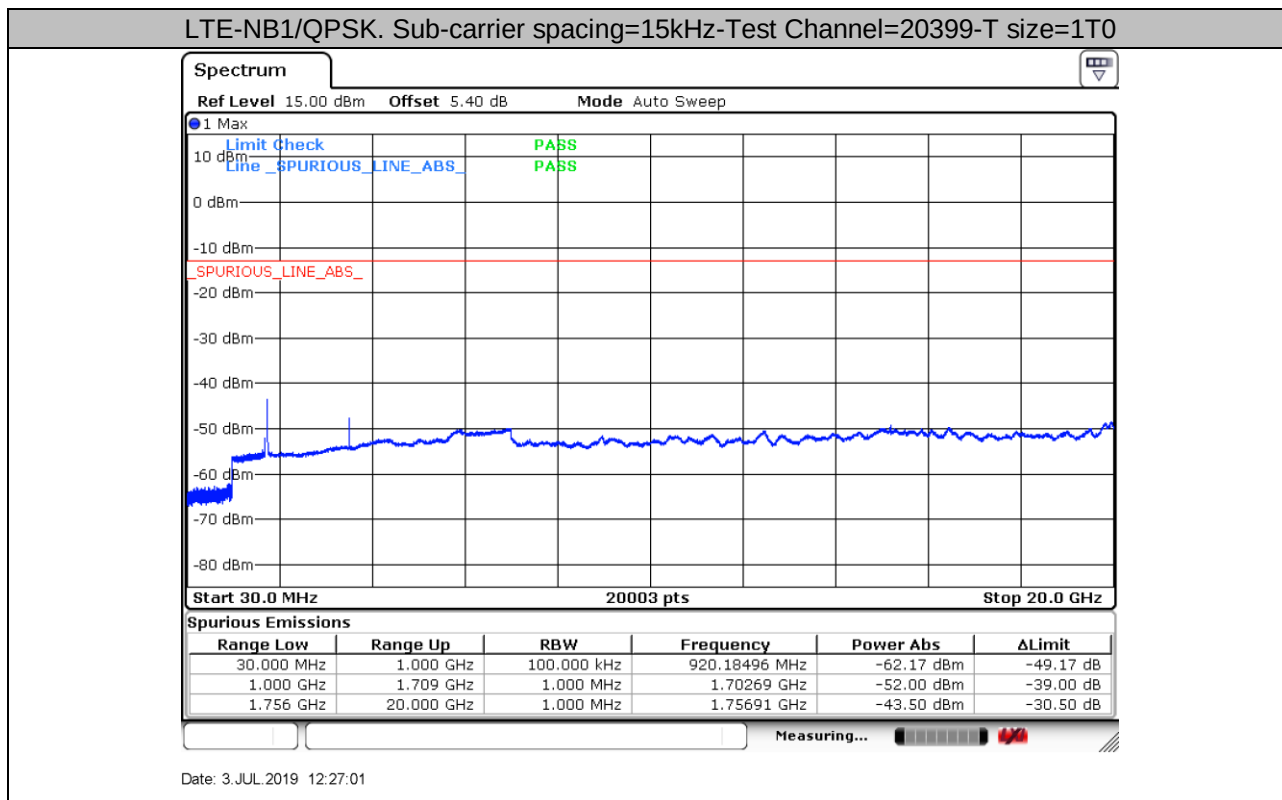
Date: 3 JUL 2019 10:58:23



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## 7 Field Strength of Spurious Radiation

### 7.1 For LTE-NB1

#### 7.1.1 Test Band = LTE-NB1 Band 4

##### 7.1.1.1 Test Mode = LTE-NB1/BPSK. Sub-carrier spacing=3.75kHz

##### 7.1.1.1.1 Test Channel = 19951

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Over Limit (dB) | Polarization |
|-----------------|-------------|------------------|-----------------|--------------|
| 64.200000       | -80.49      | -13.00           | 67.49           | Vertical     |
| 314.100000      | -85.77      | -13.00           | 72.77           | Vertical     |
| 791.779167      | -78.34      | -13.00           | 65.34           | Vertical     |
| 3424.775000     | -59.45      | -13.00           | 46.45           | Vertical     |
| 5137.200000     | -61.73      | -13.00           | 48.73           | Vertical     |
| 6849.625000     | -57.68      | -13.00           | 44.68           | Vertical     |
| 62.350000       | -76.23      | -13.00           | 63.23           | Horizontal   |
| 281.850000      | -86.29      | -13.00           | 73.29           | Horizontal   |
| 788.891667      | -78.35      | -13.00           | 65.35           | Horizontal   |
| 3424.775000     | -52.54      | -13.00           | 39.54           | Horizontal   |
| 5137.200000     | -53.21      | -13.00           | 40.21           | Horizontal   |
| 6849.625000     | -60.68      | -13.00           | 47.68           | Horizontal   |

##### 7.1.1.1.2 Test Channel = 20175

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Over Limit (dB) | Polarization |
|-----------------|-------------|------------------|-----------------|--------------|
| 65.350000       | -81.10      | -13.00           | 68.10           | Vertical     |
| 339.500000      | -85.30      | -13.00           | 72.30           | Vertical     |
| 779.587500      | -78.37      | -13.00           | 65.37           | Vertical     |
| 3465.075000     | -61.62      | -13.00           | 48.62           | Vertical     |
| 5197.162500     | -65.26      | -13.00           | 52.26           | Vertical     |
| 6929.737500     | -56.87      | -13.00           | 43.87           | Vertical     |
| 63.200000       | -76.27      | -13.00           | 63.27           | Horizontal   |
| 271.950000      | -85.63      | -13.00           | 72.63           | Horizontal   |
| 791.137500      | -78.67      | -13.00           | 65.67           | Horizontal   |
| 3465.075000     | -49.60      | -13.00           | 36.60           | Horizontal   |
| 5197.162500     | -56.34      | -13.00           | 43.34           | Horizontal   |
| 6929.250000     | -60.72      | -13.00           | 47.72           | Horizontal   |



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**7.1.1.1.3 Test Channel = 20399**

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Over Limit (dB) | Polarization |
|-----------------|-------------|------------------|-----------------|--------------|
| 63.600000       | -80.67      | -13.00           | 67.67           | Vertical     |
| 355.450000      | -84.75      | -13.00           | 71.75           | Vertical     |
| 809.333333      | -77.64      | -13.00           | 64.64           | Vertical     |
| 3504.725000     | -62.59      | -13.00           | 49.59           | Vertical     |
| 5257.125000     | -64.70      | -13.00           | 51.70           | Vertical     |
| 7009.850000     | -55.11      | -13.00           | 42.11           | Vertical     |
| 63.100000       | -76.80      | -13.00           | 63.80           | Horizontal   |
| 273.300000      | -86.16      | -13.00           | 73.16           | Horizontal   |
| 789.487500      | -77.97      | -13.00           | 64.97           | Horizontal   |
| 3504.725000     | -56.04      | -13.00           | 43.04           | Horizontal   |
| 5257.450000     | -58.34      | -13.00           | 45.34           | Horizontal   |
| 7009.850000     | -60.04      | -13.00           | 47.04           | Horizontal   |

**NOTE:**

- 1) The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
- 2) only the worst case data presented in this report.



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## 8 Frequency Stability

### 8.1 Frequency Error VS. Voltage

| BAND       | Band width | Modulation | Channel | Number of T | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|------------|------------|------------|---------|-------------|---------------|------------------|----------------|-----------------|-------------|---------|
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 19951   | 12T0        | VL            | TN               | 11.85          | 0.006927        | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 19951   | 12T0        | VN            | TN               | 11.51          | 0.006732        | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 19951   | 12T0        | VH            | TN               | 1.67           | 0.000974        | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 20175   | 12T0        | VL            | TN               | -11.80         | -0.006813       | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 20175   | 12T0        | VN            | TN               | 2.44           | 0.001411        | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 20175   | 12T0        | VH            | TN               | -12.50         | -0.007217       | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 20399   | 12T0        | VL            | TN               | 14.30          | 0.008149        | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 20399   | 12T0        | VN            | TN               | -5.27          | -0.003001       | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 20399   | 12T0        | VH            | TN               | -4.44          | -0.002533       | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | QPSK/15KHz | 19951   | 12T0        | VL            | TN               | -0.75          | -0.000441       | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | QPSK/15KHz | 19951   | 12T0        | VN            | TN               | 11.64          | 0.006804        | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | QPSK/15KHz | 19951   | 12T0        | VH            | TN               | -11.19         | -0.006542       | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | QPSK/15KHz | 20175   | 12T0        | VL            | TN               | -0.14          | -0.000082       | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | QPSK/15KHz | 20175   | 12T0        | VN            | TN               | 5.74           | 0.003311        | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | QPSK/15KHz | 20175   | 12T0        | VH            | TN               | -8.65          | -0.004995       | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | QPSK/15KHz | 20399   | 12T0        | VL            | TN               | 7.22           | 0.004113        | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | QPSK/15KHz | 20399   | 12T0        | VN            | TN               | -13.15         | -0.007492       | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | QPSK/15KHz | 20399   | 12T0        | VH            | TN               | 4.86           | 0.002767        | ±2.5        | PASS    |

### 8.2 Frequency Error VS. Temperature

| BAND       | Band width | Modulation | Channel | Number of T | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|------------|------------|------------|---------|-------------|---------------|------------------|----------------|-----------------|-------------|---------|
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 19951   | 12T0        | NV            | -30              | -1.67          | -0.000978       | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 19951   | 12T0        | NV            | -20              | 13.78          | 0.008057        | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 19951   | 12T0        | NV            | 0                | -7.20          | -0.004210       | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 19951   | 12T0        | NV            | 10               | -1.92          | -0.001122       | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 19951   | 12T0        | NV            | 20               | -12.91         | -0.007548       | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 19951   | 12T0        | NV            | 30               | 11.71          | 0.006850        | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 19951   | 12T0        | NV            | 40               | -11.97         | -0.007000       | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 19951   | 12T0        | NV            | 50               | -2.70          | -0.001577       | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 20175   | 12T0        | NV            | -30              | -8.32          | -0.004803       | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 20175   | 12T0        | NV            | -20              | 7.54           | 0.004355        | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 20175   | 12T0        | NV            | 0                | 12.81          | 0.007396        | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 20175   | 12T0        | NV            | 10               | -11.50         | -0.006636       | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 20175   | 12T0        | NV            | 20               | -14.17         | -0.008181       | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 20175   | 12T0        | NV            | 30               | 1.90           | 0.001095        | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 20175   | 12T0        | NV            | 40               | 3.99           | 0.002305        | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 20175   | 12T0        | NV            | 50               | 8.64           | 0.004988        | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 20399   | 12T0        | NV            | -30              | -1.12          | -0.000640       | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 20399   | 12T0        | NV            | -20              | -13.32         | -0.007593       | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 20399   | 12T0        | NV            | 0                | 8.58           | 0.004889        | ±2.5        | PASS    |
| NB1 Band 4 | 180KHz     | BPSK/15KHz | 20399   | 12T0        | NV            | 10               | -14.68         | -0.008363       | ±2.5        | PASS    |



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|            |        |            |       |      |    |     |        |           |      |      |
|------------|--------|------------|-------|------|----|-----|--------|-----------|------|------|
| NB1 Band 4 | 180KHz | BPSK/15KHz | 20399 | 12T0 | NV | 20  | -1.31  | -0.000747 | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | BPSK/15KHz | 20399 | 12T0 | NV | 30  | -12.03 | -0.006857 | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | BPSK/15KHz | 20399 | 12T0 | NV | 40  | 1.49   | 0.000850  | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | BPSK/15KHz | 20399 | 12T0 | NV | 50  | -12.28 | -0.007000 | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 19951 | 12T0 | NV | -30 | 14.06  | 0.008220  | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 19951 | 12T0 | NV | -20 | -7.84  | -0.004584 | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 19951 | 12T0 | NV | 0   | 13.76  | 0.008047  | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 19951 | 12T0 | NV | 10  | 3.19   | 0.001867  | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 19951 | 12T0 | NV | 20  | 8.83   | 0.005164  | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 19951 | 12T0 | NV | 30  | 11.58  | 0.006774  | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 19951 | 12T0 | NV | 40  | -4.14  | -0.002421 | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 19951 | 12T0 | NV | 50  | 5.77   | 0.003373  | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 20175 | 12T0 | NV | -30 | -13.03 | -0.007521 | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 20175 | 12T0 | NV | -20 | -3.31  | -0.001909 | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 20175 | 12T0 | NV | 0   | 13.08  | 0.007549  | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 20175 | 12T0 | NV | 10  | -3.65  | -0.002105 | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 20175 | 12T0 | NV | 20  | 3.86   | 0.002226  | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 20175 | 12T0 | NV | 30  | 2.19   | 0.001266  | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 20175 | 12T0 | NV | 40  | 4.41   | 0.002548  | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 20175 | 12T0 | NV | 50  | 6.84   | 0.003947  | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 20399 | 12T0 | NV | -30 | -3.20  | -0.001824 | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 20399 | 12T0 | NV | -20 | 0.93   | 0.000529  | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 20399 | 12T0 | NV | 0   | -6.01  | -0.003423 | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 20399 | 12T0 | NV | 10  | 11.41  | 0.006502  | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 20399 | 12T0 | NV | 20  | 6.64   | 0.003783  | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 20399 | 12T0 | NV | 30  | -1.81  | -0.001033 | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 20399 | 12T0 | NV | 40  | 9.78   | 0.005574  | ±2.5 | PASS |
| NB1 Band 4 | 180KHz | QPSK/15KHz | 20399 | 12T0 | NV | 50  | 13.96  | 0.007955  | ±2.5 | PASS |

The End



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