



Report No.: SEWM2309000386RG01

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# Appendix B.12

## LTE CA\_38C



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## Effective (Isotropic) Radiated Power Output Data

### Test Result

ANT5

| Band  | Bandwidth   | Modulation    | Channel     | RB Configuration | Result(dBm) | EIRP(dBm) | Limit(dBm) | Verdict |
|-------|-------------|---------------|-------------|------------------|-------------|-----------|------------|---------|
| 38-38 | 15MHz-15MHz | QPSK-QPSK     | 37825-37975 | 1RB#0-0RB#0      | 24.83       | 23.13     | 33.00      | PASS    |
| 38-38 | 15MHz-15MHz | QPSK-QPSK     | 37825-37975 | 75RB#0-75RB#0    | 23.75       | 22.05     | 33.00      | PASS    |
| 38-38 | 15MHz-15MHz | QPSK-QPSK     | 37925-38075 | 1RB#0-0RB#0      | 24.89       | 23.19     | 33.00      | PASS    |
| 38-38 | 15MHz-15MHz | QPSK-QPSK     | 37925-38075 | 75RB#0-75RB#0    | 23.73       | 22.03     | 33.00      | PASS    |
| 38-38 | 15MHz-15MHz | QPSK-QPSK     | 38025-38175 | 1RB#0-0RB#0      | 24.87       | 23.17     | 33.00      | PASS    |
| 38-38 | 15MHz-15MHz | QPSK-QPSK     | 38025-38175 | 75RB#0-75RB#0    | 23.71       | 22.01     | 33.00      | PASS    |
| 38-38 | 15MHz-15MHz | 16QAM-16QAM   | 37825-37975 | 1RB#0-0RB#0      | 23.79       | 22.09     | 33.00      | PASS    |
| 38-38 | 15MHz-15MHz | 16QAM-16QAM   | 37825-37975 | 75RB#0-75RB#0    | 22.75       | 21.05     | 33.00      | PASS    |
| 38-38 | 15MHz-15MHz | 16QAM-16QAM   | 37925-38075 | 1RB#0-0RB#0      | 23.9        | 22.2      | 33.00      | PASS    |
| 38-38 | 15MHz-15MHz | 16QAM-16QAM   | 37925-38075 | 75RB#0-75RB#0    | 22.75       | 21.05     | 33.00      | PASS    |
| 38-38 | 15MHz-15MHz | 16QAM-16QAM   | 38025-38175 | 1RB#0-0RB#0      | 23.84       | 22.14     | 33.00      | PASS    |
| 38-38 | 15MHz-15MHz | 16QAM-16QAM   | 38025-38175 | 75RB#0-75RB#0    | 22.74       | 21.04     | 33.00      | PASS    |
| 38-38 | 15MHz-15MHz | 64QAM-64QAM   | 37825-37975 | 1RB#0-0RB#0      | 22.91       | 21.21     | 33.00      | PASS    |
| 38-38 | 15MHz-15MHz | 64QAM-64QAM   | 37825-37975 | 75RB#0-75RB#0    | 22.76       | 21.06     | 33.00      | PASS    |
| 38-38 | 15MHz-15MHz | 64QAM-64QAM   | 37925-38075 | 1RB#0-0RB#0      | 23.05       | 21.35     | 33.00      | PASS    |
| 38-38 | 15MHz-15MHz | 64QAM-64QAM   | 37925-38075 | 75RB#0-75RB#0    | 22.77       | 21.07     | 33.00      | PASS    |
| 38-38 | 15MHz-15MHz | 64QAM-64QAM   | 38025-38175 | 1RB#0-0RB#0      | 22.96       | 21.26     | 33.00      | PASS    |
| 38-38 | 15MHz-15MHz | 64QAM-64QAM   | 38025-38175 | 75RB#0-75RB#0    | 22.75       | 21.05     | 33.00      | PASS    |
| 38-38 | 15MHz-15MHz | 256QAM-256QAM | 37825-37975 | 1RB#0-0RB#0      | 19.88       | 18.18     | 33.00      | PASS    |
| 38-38 | 15MHz-15MHz | 256QAM-256QAM | 37825-37975 | 75RB#0-75RB#0    | 20.79       | 19.09     | 33.00      | PASS    |
| 38-38 | 15MHz-15MHz | 256QAM-256QAM | 37925-38075 | 1RB#0-0RB#0      | 19.89       | 18.19     | 33.00      | PASS    |
| 38-38 | 15MHz-15MHz | 256QAM-256QAM | 37925-38075 | 75RB#0-75RB#0    | 20.78       | 19.08     | 33.00      | PASS    |
| 38-38 | 15MHz-15MHz | 256QAM-256QAM | 38025-38175 | 1RB#0-0RB#0      | 19.94       | 18.24     | 33.00      | PASS    |
| 38-38 | 15MHz-15MHz | 256QAM-256QAM | 38025-38175 | 75RB#0-75RB#0    | 20.75       | 19.05     | 33.00      | PASS    |
| 38-38 | 20MHz-20MHz | QPSK-QPSK     | 37850-38048 | 100RB#0-100RB#0  | 23.72       | 22.02     | 33.00      | PASS    |
| 38-38 | 20MHz-20MHz | QPSK-QPSK     | 37850-38048 | 1RB#0-0RB#0      | 24.89       | 23.19     | 33.00      | PASS    |
| 38-38 | 20MHz-20MHz | QPSK-QPSK     | 37901-38099 | 100RB#0-100RB#0  | 23.76       | 22.06     | 33.00      | PASS    |



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|       |             |               |             |                 |       |       |       |      |
|-------|-------------|---------------|-------------|-----------------|-------|-------|-------|------|
| 38-38 | 20MHz-20MHz | QPSK-QPSK     | 37901-38099 | 1RB#0-0RB#0     | 24.91 | 23.21 | 33.00 | PASS |
| 38-38 | 20MHz-20MHz | QPSK-QPSK     | 37952-38150 | 100RB#0-100RB#0 | 23.74 | 22.04 | 33.00 | PASS |
| 38-38 | 20MHz-20MHz | QPSK-QPSK     | 37952-38150 | 1RB#0-0RB#0     | 24.92 | 23.22 | 33.00 | PASS |
| 38-38 | 20MHz-20MHz | 16QAM-16QAM   | 37850-38048 | 100RB#0-100RB#0 | 22.72 | 21.02 | 33.00 | PASS |
| 38-38 | 20MHz-20MHz | 16QAM-16QAM   | 37850-38048 | 1RB#0-0RB#0     | 23.79 | 22.09 | 33.00 | PASS |
| 38-38 | 20MHz-20MHz | 16QAM-16QAM   | 37901-38099 | 100RB#0-100RB#0 | 22.75 | 21.05 | 33.00 | PASS |
| 38-38 | 20MHz-20MHz | 16QAM-16QAM   | 37901-38099 | 1RB#0-0RB#0     | 23.85 | 22.15 | 33.00 | PASS |
| 38-38 | 20MHz-20MHz | 16QAM-16QAM   | 37952-38150 | 100RB#0-100RB#0 | 22.76 | 21.06 | 33.00 | PASS |
| 38-38 | 20MHz-20MHz | 16QAM-16QAM   | 37952-38150 | 1RB#0-0RB#0     | 23.86 | 22.16 | 33.00 | PASS |
| 38-38 | 20MHz-20MHz | 64QAM-64QAM   | 37850-38048 | 100RB#0-100RB#0 | 22.74 | 21.04 | 33.00 | PASS |
| 38-38 | 20MHz-20MHz | 64QAM-64QAM   | 37850-38048 | 1RB#0-0RB#0     | 22.91 | 21.21 | 33.00 | PASS |
| 38-38 | 20MHz-20MHz | 64QAM-64QAM   | 37901-38099 | 100RB#0-100RB#0 | 22.74 | 21.04 | 33.00 | PASS |
| 38-38 | 20MHz-20MHz | 64QAM-64QAM   | 37901-38099 | 1RB#0-0RB#0     | 22.97 | 21.27 | 33.00 | PASS |
| 38-38 | 20MHz-20MHz | 64QAM-64QAM   | 37952-38150 | 100RB#0-100RB#0 | 22.74 | 21.04 | 33.00 | PASS |
| 38-38 | 20MHz-20MHz | 64QAM-64QAM   | 37952-38150 | 1RB#0-0RB#0     | 22.97 | 21.27 | 33.00 | PASS |
| 38-38 | 20MHz-20MHz | 256QAM-256QAM | 37850-38048 | 100RB#0-100RB#0 | 20.73 | 19.03 | 33.00 | PASS |
| 38-38 | 20MHz-20MHz | 256QAM-256QAM | 37850-38048 | 1RB#0-0RB#0     | 19.81 | 18.11 | 33.00 | PASS |
| 38-38 | 20MHz-20MHz | 256QAM-256QAM | 37901-38099 | 100RB#0-100RB#0 | 20.76 | 19.06 | 33.00 | PASS |
| 38-38 | 20MHz-20MHz | 256QAM-256QAM | 37901-38099 | 1RB#0-0RB#0     | 19.96 | 18.26 | 33.00 | PASS |
| 38-38 | 20MHz-20MHz | 256QAM-256QAM | 37952-38150 | 100RB#0-100RB#0 | 20.77 | 19.07 | 33.00 | PASS |
| 38-38 | 20MHz-20MHz | 256QAM-256QAM | 37952-38150 | 1RB#0-0RB#0     | 19.99 | 18.29 | 33.00 | PASS |



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**Peak-to-Average Ratio(CCDF)****Test Result**

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band38 | 20MHz     | QPSK       | 37850   | 100RB#0          | 7.28       | 13        | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0          | 7.16       | 13        | PASS    |
| Band38 | 20MHz     | QPSK       | 38150   | 100RB#0          | 7.12       | 13        | PASS    |
| Band38 | 20MHz     | 16QAM      | 37850   | 100RB#0          | 8.00       | 13        | PASS    |
| Band38 | 20MHz     | 16QAM      | 38000   | 100RB#0          | 7.90       | 13        | PASS    |
| Band38 | 20MHz     | 16QAM      | 38150   | 100RB#0          | 7.92       | 13        | PASS    |
| Band38 | 20MHz     | 64QAM      | 37850   | 100RB#0          | 8.74       | 13        | PASS    |
| Band38 | 20MHz     | 64QAM      | 38000   | 100RB#0          | 8.52       | 13        | PASS    |
| Band38 | 20MHz     | 64QAM      | 38150   | 100RB#0          | 8.54       | 13        | PASS    |
| Band38 | 20MHz     | 256QAM     | 37850   | 100RB#0          | 8.50       | 13        | PASS    |
| Band38 | 20MHz     | 256QAM     | 38000   | 100RB#0          | 8.68       | 13        | PASS    |
| Band38 | 20MHz     | 256QAM     | 38150   | 100RB#0          | 8.56       | 13        | PASS    |



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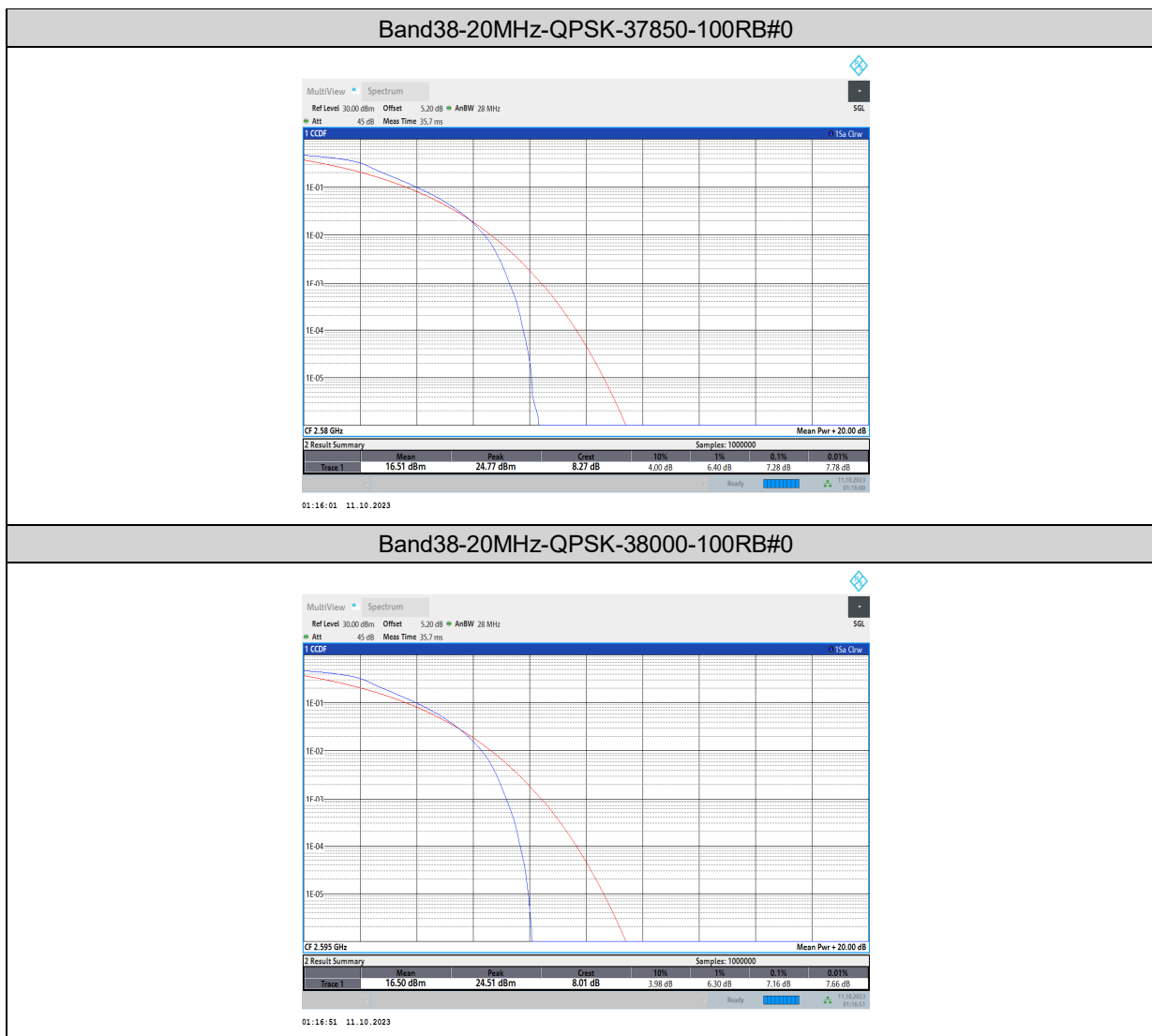
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### Test Graphs



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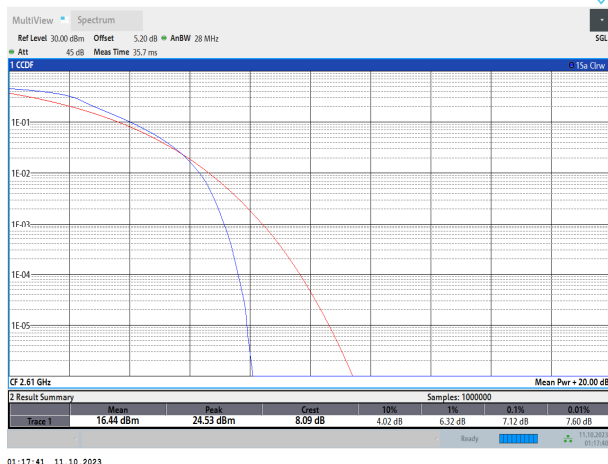
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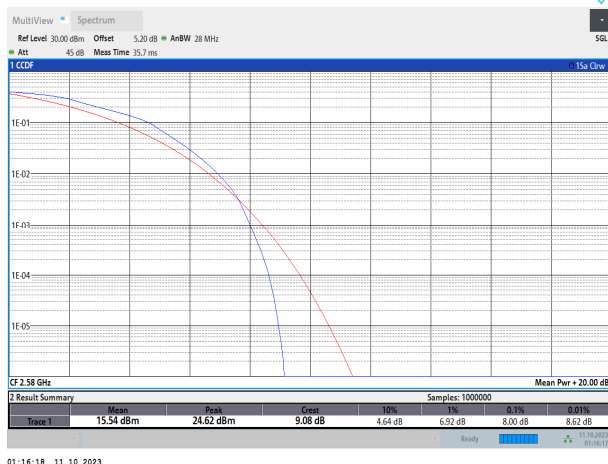
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### Band38-20MHz-QPSK-38150-100RB#0



### Band38-20MHz-16QAM-37850-100RB#0



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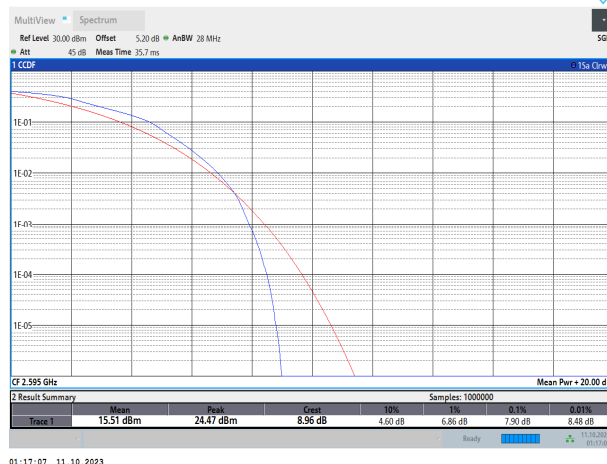


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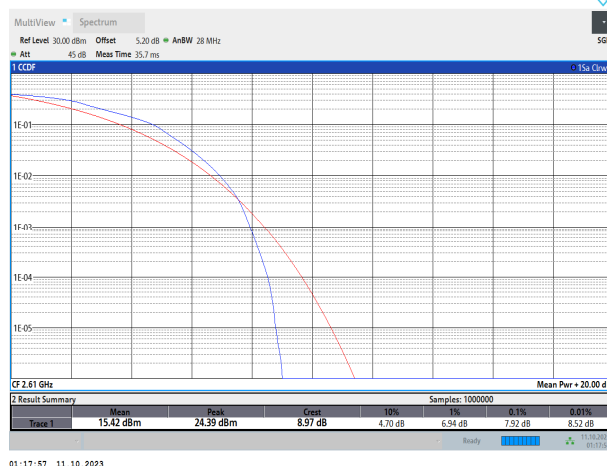
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### Band38-20MHz-16QAM-38150-100RB#0



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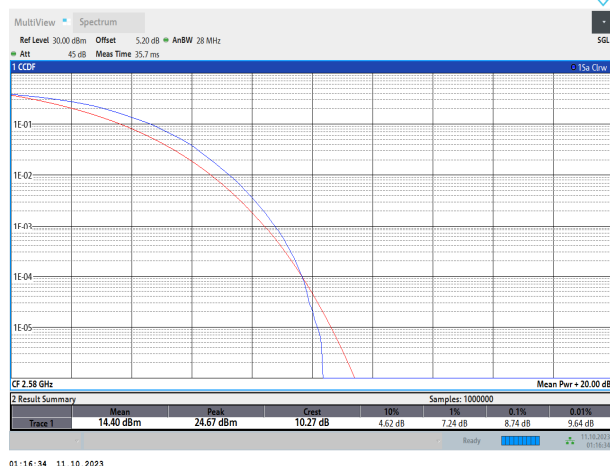
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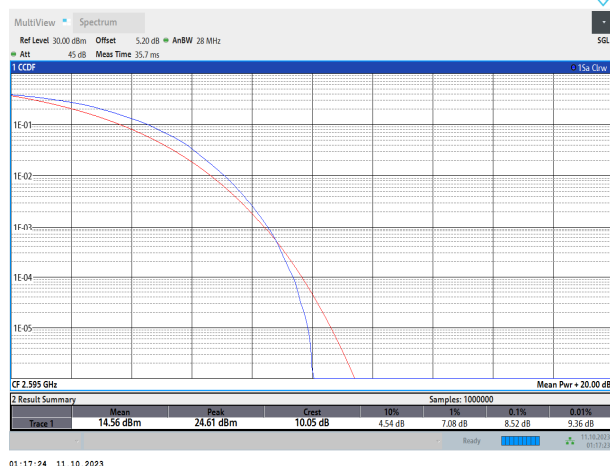
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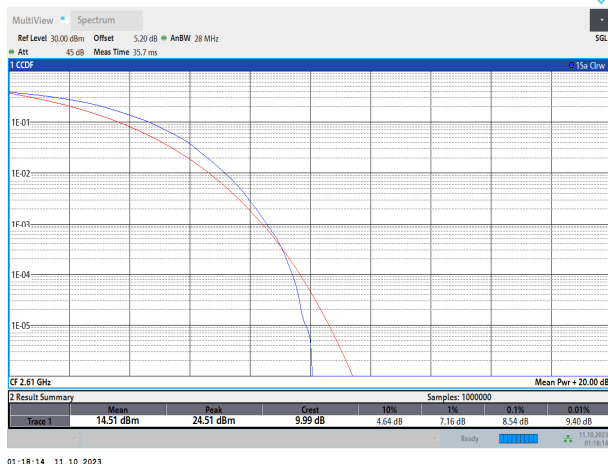


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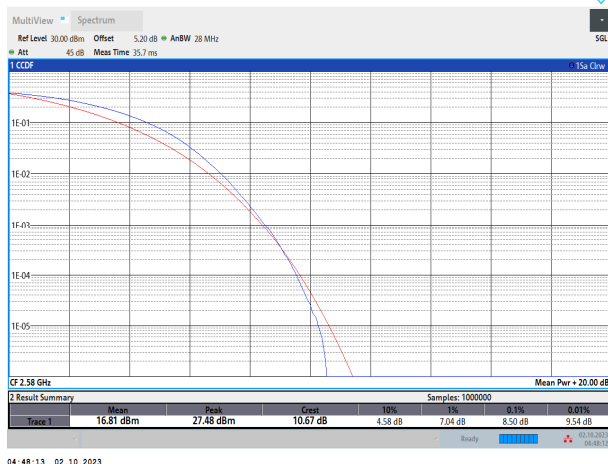
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### Band38-20MHz-64QAM-38150-100RB#0



01:18:14 11.10.2023

### Band38-20MHz-256QAM-37850-100RB#0



04:48:13 02.10.2023



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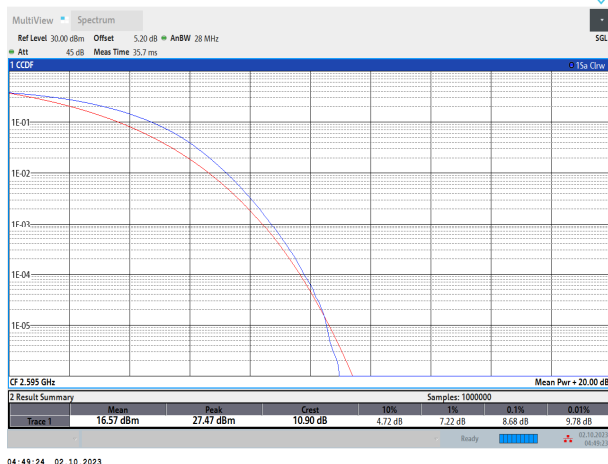
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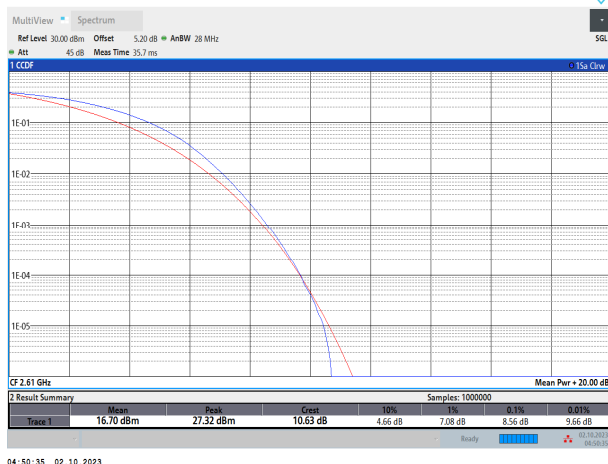
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### Band38-20MHz-256QAM-38000-100RB#0



04:49:24 02.10.2023

### Band38-20MHz-256QAM-38150-100RB#0



04:50:35 02.10.2023



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## 26dB Bandwidth and Occupied Bandwidth

### Test Result

| Band  | Bandwidth   | Modulation    | Channel     | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-------------|---------------|-------------|------------------|--------------------------|----------------------|---------|
| 38-38 | 15MHz-15MHz | QPSK-QPSK     | 37925-38075 | 75RB#0-75RB#0    | 28.328                   | 30.24                | PASS    |
| 38-38 | 15MHz-15MHz | 16QAM-16QAM   | 37925-38075 | 75RB#0-75RB#0    | 28.253                   | 30.36                | PASS    |
| 38-38 | 15MHz-15MHz | 64QAM-64QAM   | 37925-38075 | 75RB#0-75RB#0    | 28.318                   | 30.30                | PASS    |
| 38-38 | 15MHz-15MHz | 256QAM-256QAM | 37925-38075 | 75RB#0-75RB#0    | 28.28                    | 30.30                | PASS    |
| 38-38 | 20MHz-20MHz | QPSK-QPSK     | 37901-38099 | 100RB#0-100RB#0  | 37.835                   | 40.64                | PASS    |
| 38-38 | 20MHz-20MHz | 16QAM-16QAM   | 37901-38099 | 100RB#0-100RB#0  | 37.728                   | 40.40                | PASS    |
| 38-38 | 20MHz-20MHz | 64QAM-64QAM   | 37901-38099 | 100RB#0-100RB#0  | 37.705                   | 40.48                | PASS    |
| 38-38 | 20MHz-20MHz | 256QAM-256QAM | 37901-38099 | 100RB#0-100RB#0  | 37.725                   | 40.48                | PASS    |



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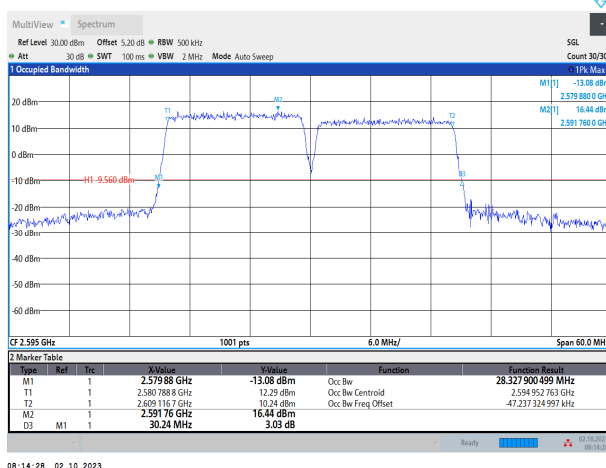
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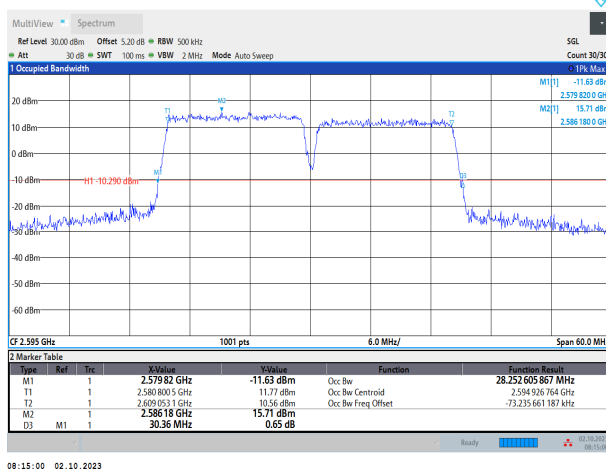
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## Test Graphs

## 38-38-15MHz-15MHz-QPSK-QPSK-37925-38075-75RB#0-75RB#0



## 38-38-15MHz-15MHz-16QAM-16QAM-37925-38075-75RB#0-75RB#0

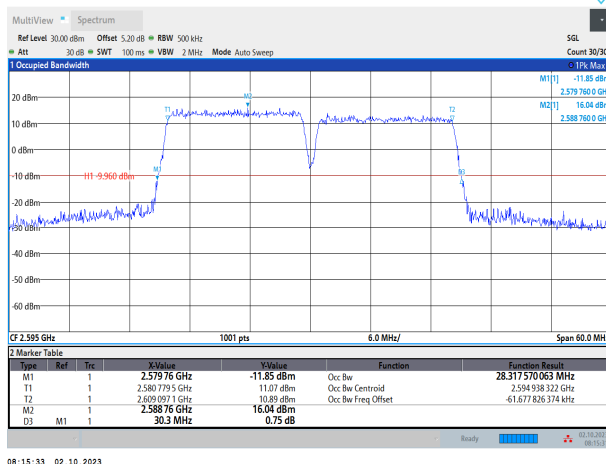


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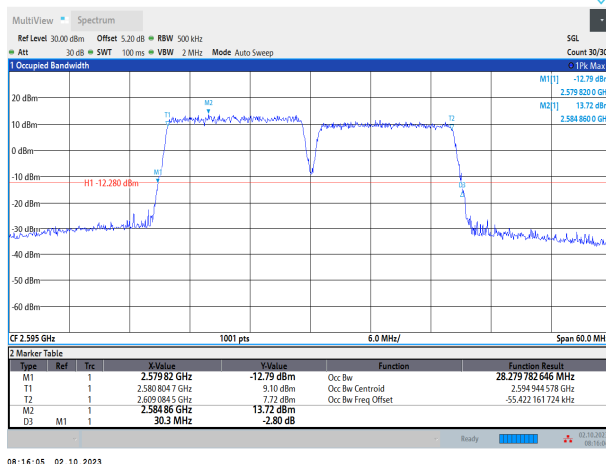
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## 38-38-15MHz-15MHz-64QAM-64QAM-37925-38075-75RB#0-75RB#0



## 38-38-15MHz-15MHz-256QAM-256QAM-37925-38075-75RB#0-75RB#0

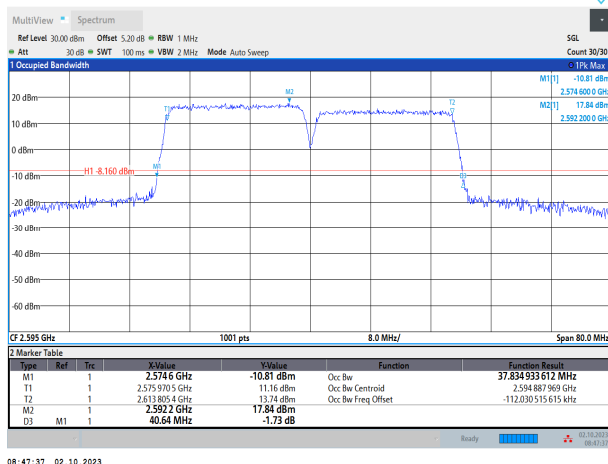


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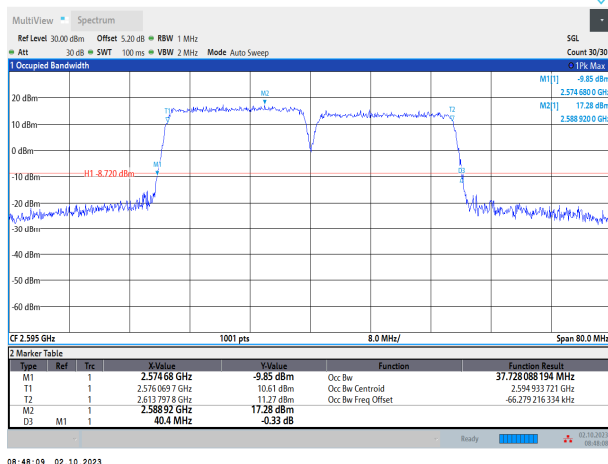
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### 38-38-20MHz-20MHz-QPSK-QPSK-37901-38099-100RB#0-100RB#0



### 38-38-20MHz-20MHz-16QAM-16QAM-37901-38099-100RB#0-100RB#0



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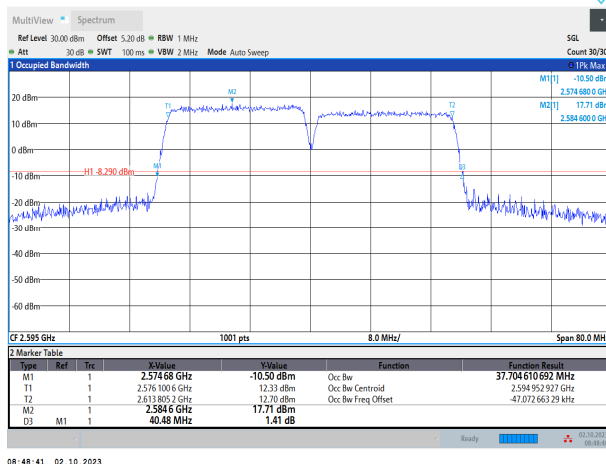


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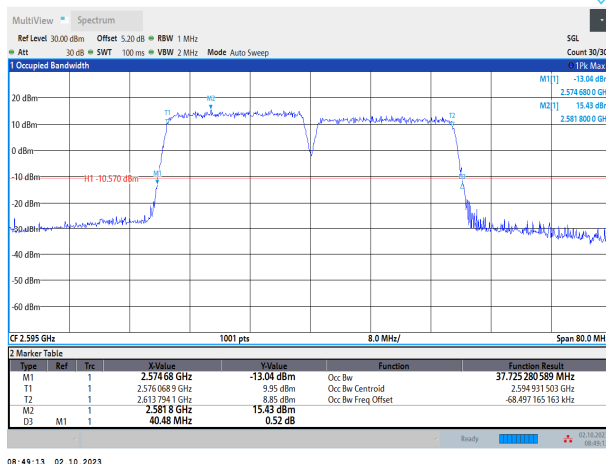
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## 38-38-20MHz-20MHz-64QAM-64QAM-37901-38099-100RB#0-100RB#0



08:49:41 02.10.2023

## 38-38-20MHz-20MHz-256QAM-256QAM-37901-38099-100RB#0-100RB#0



08:49:13 02.10.2023

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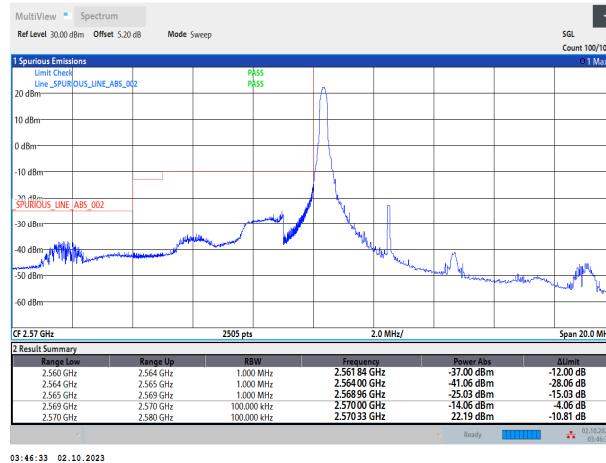
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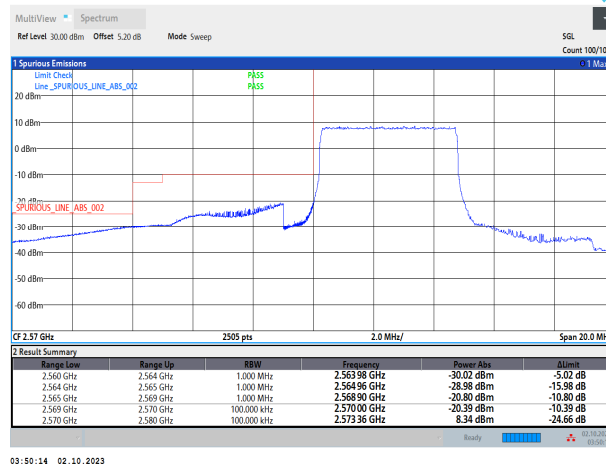
### Band Edge

### Test Graphs

#### Band38-5MHz-QPSK-37775-1RB#0



#### Band38-5MHz-QPSK-37775-25RB#0



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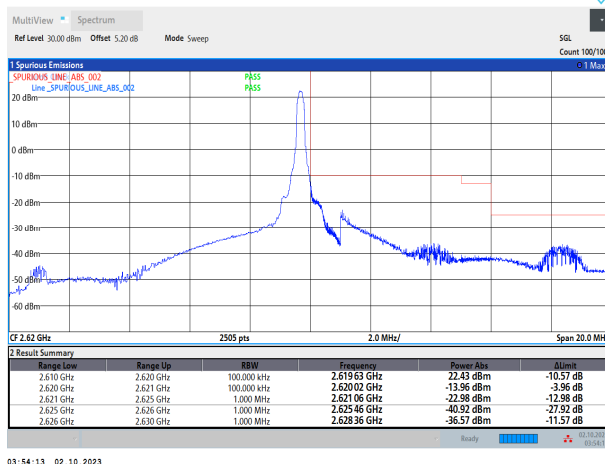
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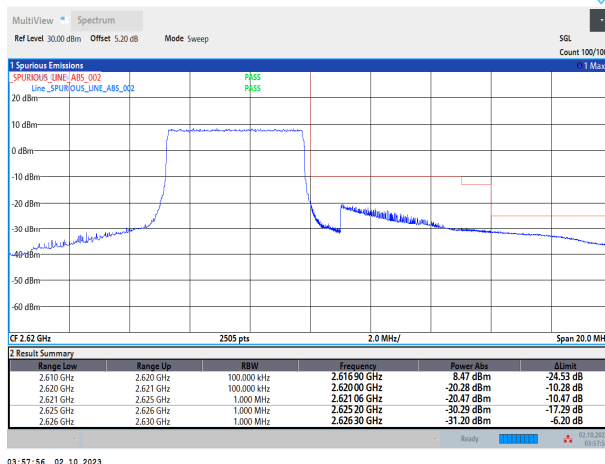
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### Band38-5MHz-QPSK-38225-1RB#24



### Band38-5MHz-QPSK-38225-25RB#0



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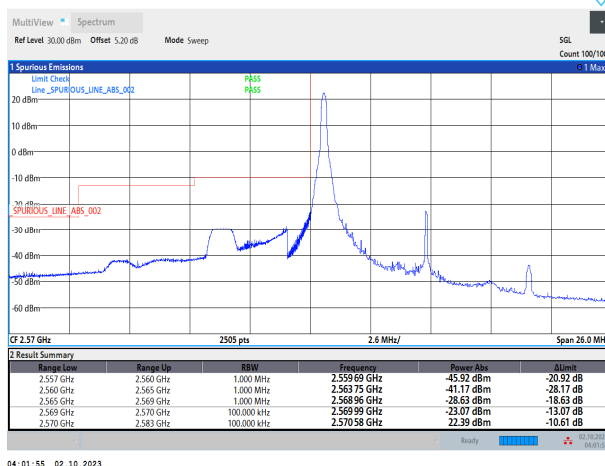
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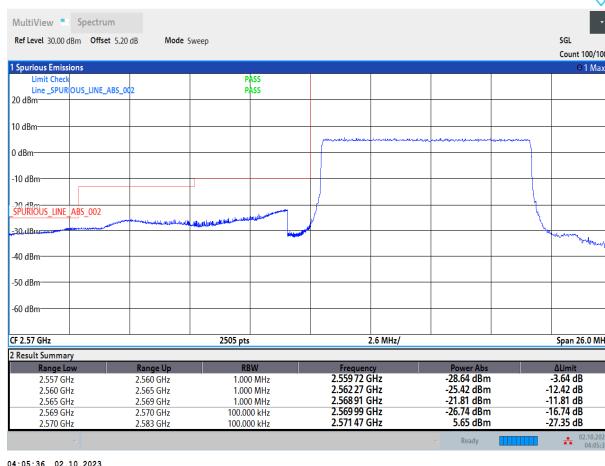
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### Band38-10MHz-QPSK-37800-1RB#0



### Band38-10MHz-QPSK-37800-50RB#0



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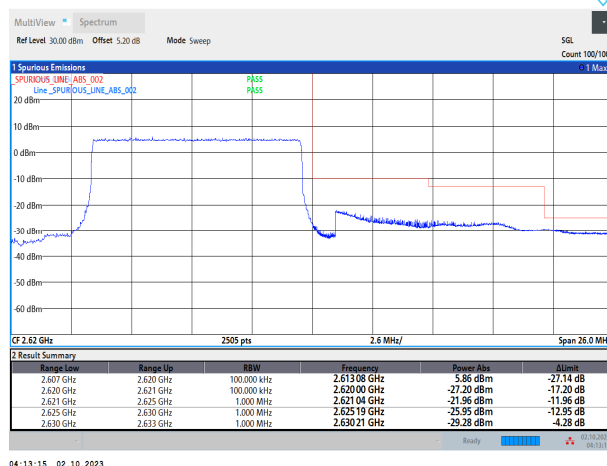
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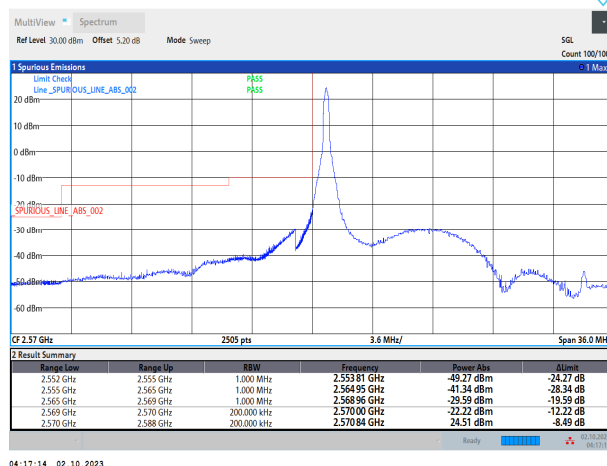
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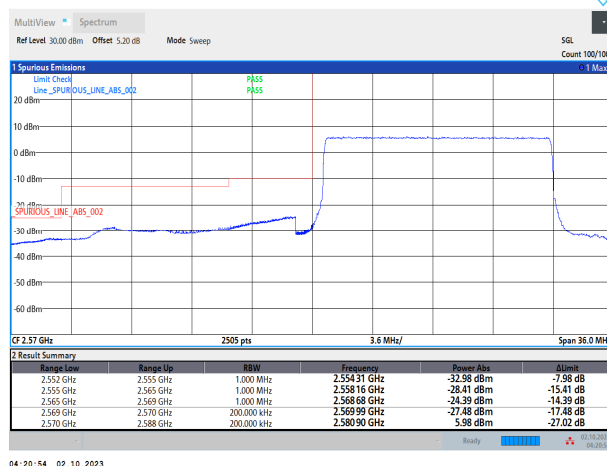
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### Band38-15MHz-QPSK-37825-75RB#0



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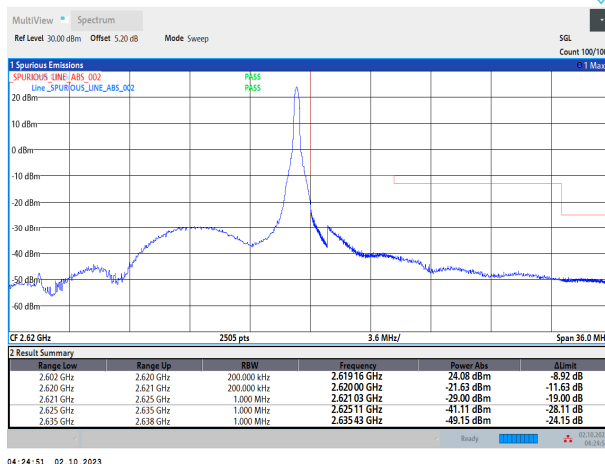


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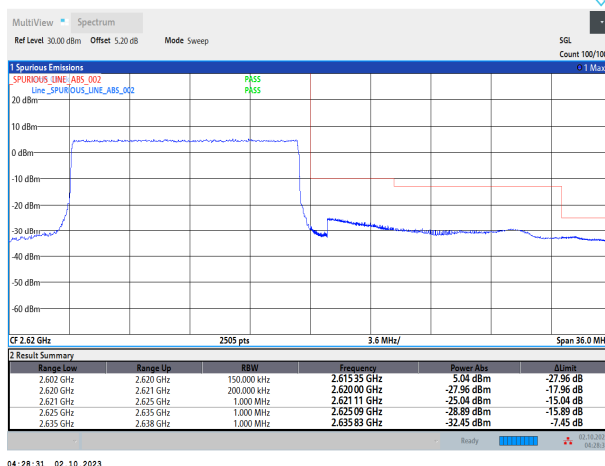
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### Band38-15MHz-QPSK-38175-1RB#74



### Band38-15MHz-QPSK-38175-75RB#0



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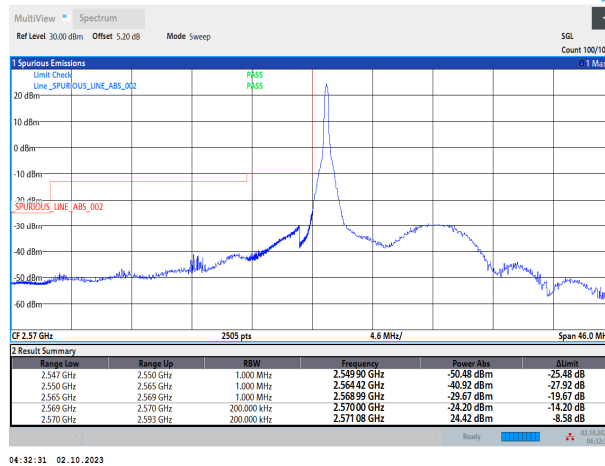
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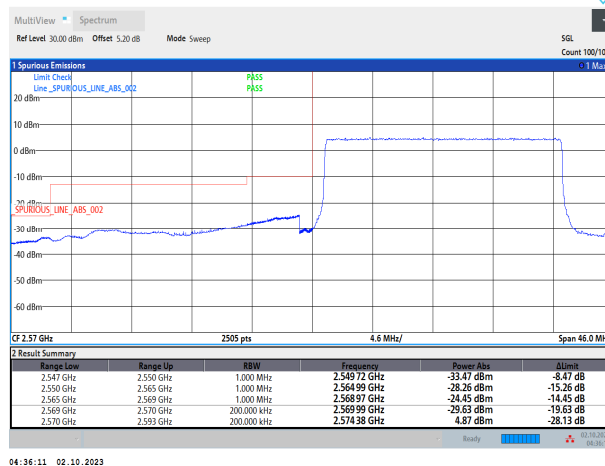
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### Band38-20MHz-QPSK-37850-1RB#0



### Band38-20MHz-QPSK-37850-100RB#0



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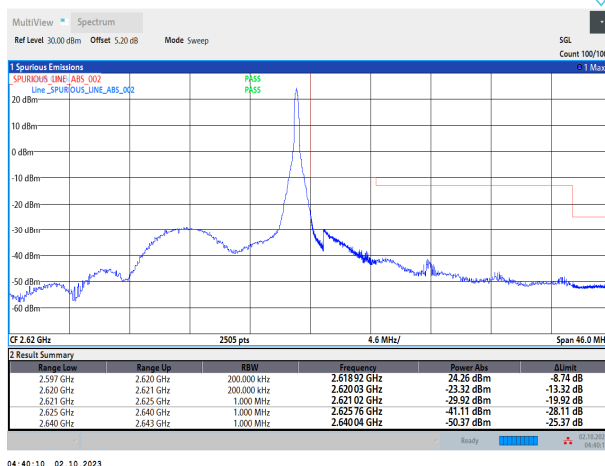
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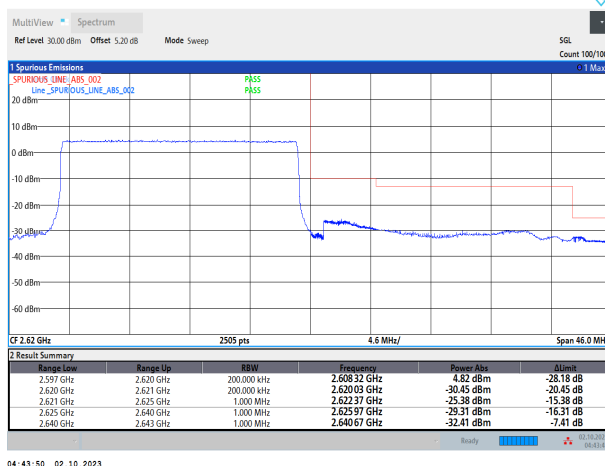
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### Band38-20MHz-QPSK-38150-1RB#99



### Band38-20MHz-QPSK-38150-100RB#0



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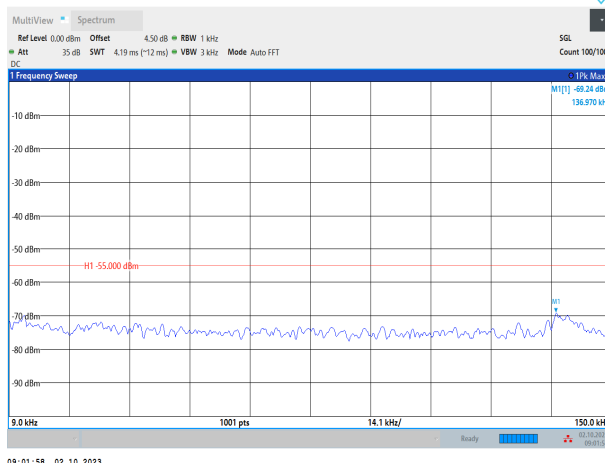
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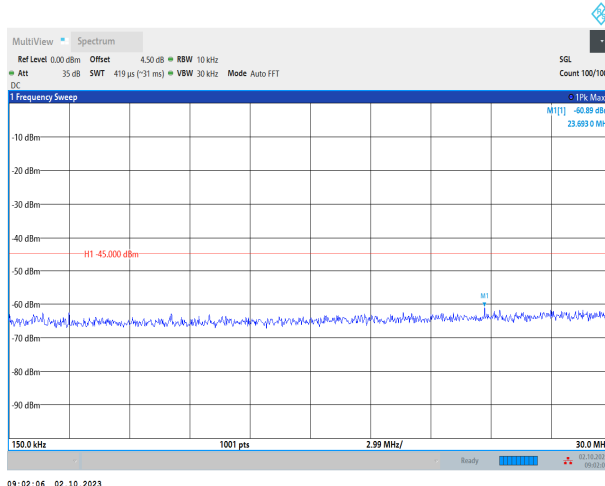
### Conducted Spurious Emission

#### Test Graphs

38-38-20MHz-20MHz-QPSK-QPSK-37850-38048-1RB#0-0RB#0-0.009~0.15MHz



38-38-20MHz-20MHz-QPSK-QPSK-37850-38048-1RB#0-0RB#0-0.15~30MHz



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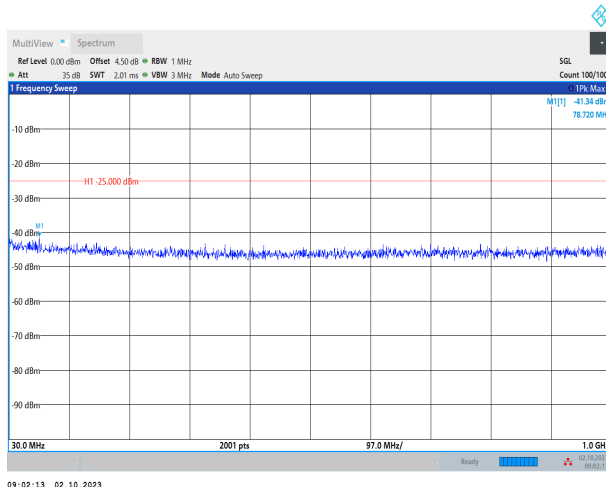
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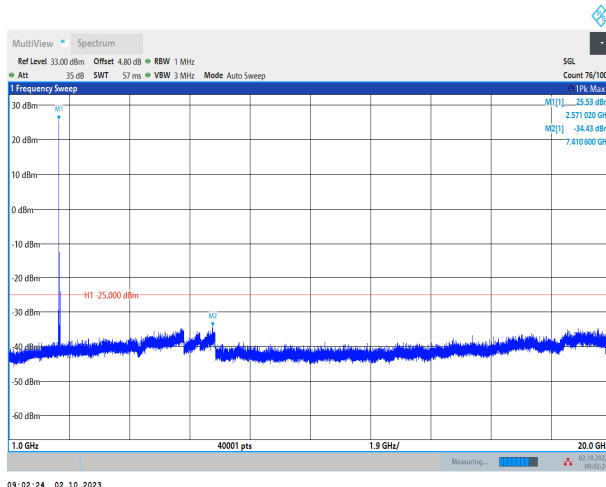
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### 38-38-20MHz-20MHz-QPSK-QPSK-37850-38048-1RB#0-0RB#0-30~1000MHz



### 38-38-20MHz-20MHz-QPSK-QPSK-37850-38048-1RB#0-0RB#0-1000~20000MHz



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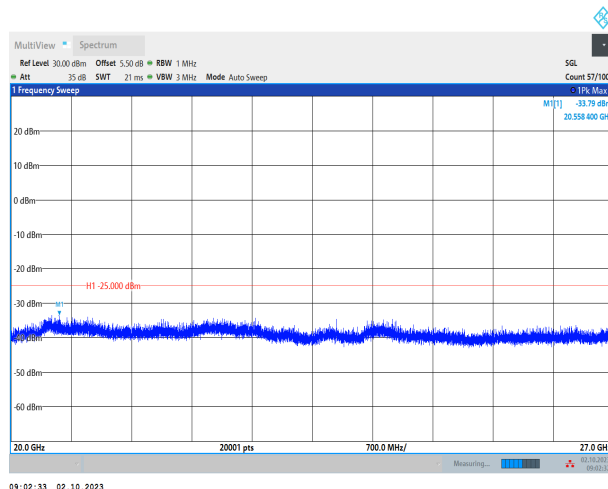


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38-38-20MHz-20MHz-QPSK-QPSK-37850-38048-1RB#0-0RB#0-20000~27000MHz



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## Field Strength of Spurious Radiation

Test Band = LTE UL CA 38C\_ TM1

Test Channel = Low

## Final Data List

| NO. | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
|-----|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|------------|
| 1   | 5142.18            | 44.15             | -47.85         | 31.84    | -67.12         | -25.00         | 42.12          | Horizontal |
| 2   | 7713.27            | 42.34             | -45.17         | 36.54    | -61.55         | -25.00         | 36.55          | Horizontal |
| 3   | 10284.36           | 39.72             | -41.30         | 38.76    | -58.09         | -25.00         | 33.09          | Horizontal |
| 4   | 12855.45           | 37.27             | -39.37         | 38.69    | -58.68         | -25.00         | 33.68          | Horizontal |
| 5   | 15426.54           | 36.81             | -37.45         | 39.29    | -56.61         | -25.00         | 31.61          | Horizontal |
| 6   | 17997.63           | 35.73             | -36.60         | 45.29    | -50.84         | -25.00         | 25.84          | Horizontal |

## Final Data List

| NO. | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity |
|-----|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|----------|
| 1   | 5142.18            | 43.92             | -47.85         | 31.84    | -67.35         | -25.00         | 42.35          | Vertical |
| 2   | 7713.27            | 42.68             | -45.17         | 36.54    | -61.21         | -25.00         | 36.21          | Vertical |
| 3   | 10284.36           | 38.15             | -41.30         | 38.76    | -59.66         | -25.00         | 34.66          | Vertical |
| 4   | 12855.45           | 36.99             | -39.37         | 38.69    | -58.96         | -25.00         | 33.96          | Vertical |
| 5   | 15426.54           | 35.72             | -37.45         | 39.29    | -57.70         | -25.00         | 32.70          | Vertical |
| 6   | 17997.63           | 36.04             | -36.60         | 45.29    | -50.53         | -25.00         | 25.53          | Vertical |



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**Test Band = LTE UL CA 38C\_ TM1**
**Test Channel = Mid**
**Final Data List**

| NO. | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
|-----|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|------------|
| 1   | 3909.5             | 46.29             | -48.28         | 29.27    | -67.98         | -25.00         | 42.98          | Horizontal |
| 2   | 5172.18            | 44.34             | -47.87         | 31.91    | -66.88         | -25.00         | 41.88          | Horizontal |
| 3   | 7758.27            | 41.63             | -45.03         | 36.49    | -62.17         | -25.00         | 37.17          | Horizontal |
| 4   | 10344.36           | 38.28             | -41.19         | 38.81    | -59.36         | -25.00         | 34.36          | Horizontal |
| 5   | 12930.45           | 36.80             | -39.42         | 38.64    | -59.24         | -25.00         | 34.24          | Horizontal |
| 6   | 15516.54           | 35.52             | -37.99         | 39.12    | -58.62         | -25.00         | 33.62          | Horizontal |

**Final Data List**

| NO. | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity |
|-----|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|----------|
| 1   | 4308.5             | 45.55             | -47.81         | 29.96    | -67.56         | -25.00         | 42.56          | Vertical |
| 2   | 5172.18            | 43.80             | -47.87         | 31.91    | -67.42         | -25.00         | 42.42          | Vertical |
| 3   | 7758.27            | 42.38             | -45.03         | 36.49    | -61.42         | -25.00         | 36.42          | Vertical |
| 4   | 10344.36           | 38.12             | -41.19         | 38.81    | -59.52         | -25.00         | 34.52          | Vertical |
| 5   | 12930.45           | 37.03             | -39.42         | 38.64    | -59.01         | -25.00         | 34.01          | Vertical |
| 6   | 15516.54           | 36.15             | -37.99         | 39.12    | -57.99         | -25.00         | 32.99          | Vertical |



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**Test Band = LTE UL CA 38C\_ TM1****Test Channel = High****Final Data List**

| NO. | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
|-----|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|------------|
| 1   | 4366.5             | 46.18             | -48.00         | 30.06    | -67.02         | -25.00         | 42.02          | Horizontal |
| 2   | 5202.18            | 43.48             | -47.89         | 31.99    | -67.68         | -25.00         | 42.68          | Horizontal |
| 3   | 7803.27            | 42.35             | -44.93         | 36.44    | -61.40         | -25.00         | 36.40          | Horizontal |
| 4   | 10404.36           | 38.99             | -41.21         | 38.86    | -58.62         | -25.00         | 33.62          | Horizontal |
| 5   | 13005.45           | 37.21             | -39.34         | 38.61    | -58.77         | -25.00         | 33.77          | Horizontal |
| 6   | 15606.54           | 36.23             | -37.65         | 38.95    | -57.73         | -25.00         | 32.73          | Horizontal |

**Final Data List**

| NO. | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity |
|-----|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|----------|
| 1   | 4461               | 45.78             | -48.03         | 30.23    | -67.28         | -25.00         | 42.28          | Vertical |
| 2   | 5202.18            | 44.33             | -47.89         | 31.99    | -66.83         | -25.00         | 41.83          | Vertical |
| 3   | 7803.27            | 42.52             | -44.93         | 36.44    | -61.23         | -25.00         | 36.23          | Vertical |
| 4   | 10404.36           | 38.60             | -41.21         | 38.86    | -59.01         | -25.00         | 34.01          | Vertical |
| 5   | 13005.45           | 36.74             | -39.34         | 38.61    | -59.24         | -25.00         | 34.24          | Vertical |
| 6   | 15606.54           | 35.80             | -37.65         | 38.95    | -58.16         | -25.00         | 33.16          | Vertical |

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) All antennas of RSE are tested, and only the worst data is presented.



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## Frequency Stability

## Test Result

| Band  | Bandwidth       | Modulation | Channel     | RB Configure    | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
|-------|-----------------|------------|-------------|-----------------|---------------|------------------|----------------|-----------------|---------|
| 38-38 | 20MHz<br>-20MHz | QPSK-QPSK  | 37901-38099 | 100RB#0-100RB#0 | VH            | NT               | -11.00         | -0.004255       | PASS    |
| 38-38 | 20MHz<br>-20MHz | QPSK-QPSK  | 37901-38099 | 100RB#0-100RB#0 | VL            | NT               | -11.30         | -0.004371       | PASS    |
| 38-38 | 20MHz<br>-20MHz | QPSK-QPSK  | 37901-38099 | 100RB#0-100RB#0 | VN            | NT               | -9.50          | -0.003675       | PASS    |

| Band  | Bandwidth       | Modulation | Channel     | RB Configure    | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
|-------|-----------------|------------|-------------|-----------------|---------------|------------------|----------------|-----------------|---------|
| 38-38 | 20MHz<br>-20MHz | QPSK-QPSK  | 37901-38099 | 100RB#0-100RB#0 | NV            | -30              | -7.90          | -0.003056       | PASS    |
| 38-38 | 20MHz<br>-20MHz | QPSK-QPSK  | 37901-38099 | 100RB#0-100RB#0 | NV            | -20              | -7.70          | -0.002979       | PASS    |
| 38-38 | 20MHz<br>-20MHz | QPSK-QPSK  | 37901-38099 | 100RB#0-100RB#0 | NV            | -10              | -8.60          | -0.003327       | PASS    |
| 38-38 | 20MHz<br>-20MHz | QPSK-QPSK  | 37901-38099 | 100RB#0-100RB#0 | NV            | 0                | -7.30          | -0.002824       | PASS    |
| 38-38 | 20MHz<br>-20MHz | QPSK-QPSK  | 37901-38099 | 100RB#0-100RB#0 | NV            | 10               | -9.10          | -0.003520       | PASS    |
| 38-38 | 20MHz<br>-20MHz | QPSK-QPSK  | 37901-38099 | 100RB#0-100RB#0 | NV            | 20               | -9.50          | -0.003675       | PASS    |
| 38-38 | 20MHz<br>-20MHz | QPSK-QPSK  | 37901-38099 | 100RB#0-100RB#0 | NV            | 30               | -10.80         | -0.004178       | PASS    |
| 38-38 | 20MHz<br>-20MHz | QPSK-QPSK  | 37901-38099 | 100RB#0-100RB#0 | NV            | 40               | -9.10          | -0.003520       | PASS    |
| 38-38 | 20MHz<br>-20MHz | QPSK-QPSK  | 37901-38099 | 100RB#0-100RB#0 | NV            | 50               | -6.20          | -0.003150       | PASS    |

---End of Attachment---



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