# Appendix B

## E-UTRA Band CA_38C

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# 1 Effective (Isotropic) Radiated Power Output Data

## 1.1 Test Result for LTE Band CA_38C (Down Ant)

| BAND | Test Mode PCC/SCC | Channel PCC/SCC | RB Configuration | | Modulation PCC&SCC | Result (dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| | | | PCC | SCC | | | | | |
| CA_38C | 75RB+75RB | 37825+37975 | 1RB#0 | 0RB#0 | QPSK | 23.09 | 20.60 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37825+37975 | 16RB#0 | 0RB#0 | QPSK | 22.82 | 20.33 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37925+38075 | 1RB#0 | 0RB#0 | QPSK | 22.89 | 20.40 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37925+38075 | 16RB#0 | 0RB#0 | QPSK | 22.85 | 20.36 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 38025+38175 | 1RB#0 | 0RB#0 | QPSK | 22.82 | 20.33 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 38025+38175 | 16RB#0 | 0RB#0 | QPSK | 22.75 | 20.26 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37850+38048 | 1RB#0 | 0RB#0 | QPSK | 22.87 | 20.38 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37850+38048 | 18RB#0 | 0RB#0 | QPSK | 22.77 | 20.28 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37901+38099 | 1RB#0 | 0RB#0 | QPSK | 22.87 | 20.38 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37901+38099 | 18RB#0 | 0RB#0 | QPSK | 22.79 | 20.30 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37952+38150 | 1RB#0 | 0RB#0 | QPSK | 22.85 | 20.36 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37952+38150 | 18RB#0 | 0RB#0 | QPSK | 22.75 | 20.26 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37825+37975 | 1RB#0 | 0RB#0 | 16QAM | 21.90 | 19.41 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37825+37975 | 16RB#0 | 0RB#0 | 16QAM | 21.90 | 19.41 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37925+38075 | 1RB#0 | 0RB#0 | 16QAM | 21.81 | 19.32 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37925+38075 | 16RB#0 | 0RB#0 | 16QAM | 21.86 | 19.37 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 38025+38175 | 1RB#0 | 0RB#0 | 16QAM | 21.79 | 19.30 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 38025+38175 | 16RB#0 | 0RB#0 | 16QAM | 21.75 | 19.26 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37850+38048 | 1RB#0 | 0RB#0 | 16QAM | 21.87 | 19.38 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37850+38048 | 18RB#0 | 0RB#0 | 16QAM | 21.84 | 19.35 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37901+38099 | 1RB#0 | 0RB#0 | 16QAM | 21.86 | 19.37 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37901+38099 | 18RB#0 | 0RB#0 | 16QAM | 21.86 | 19.37 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37952+38150 | 1RB#0 | 0RB#0 | 16QAM | 21.81 | 19.32 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37952+38150 | 18RB#0 | 0RB#0 | 16QAM | 21.82 | 19.33 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37825+37975 | 1RB#0 | 0RB#0 | 64QAM | 20.71 | 18.22 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37825+37975 | 16RB#0 | 0RB#0 | 64QAM | 20.88 | 18.39 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37925+38075 | 1RB#0 | 0RB#0 | 64QAM | 20.73 | 18.24 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37925+38075 | 16RB#0 | 0RB#0 | 64QAM | 20.76 | 18.27 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 38025+38175 | 1RB#0 | 0RB#0 | 64QAM | 20.80 | 18.31 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 38025+38175 | 16RB#0 | 0RB#0 | 64QAM | 20.70 | 18.21 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37850+38048 | 1RB#0 | 0RB#0 | 64QAM | 20.87 | 18.38 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37850+38048 | 18RB#0 | 0RB#0 | 64QAM | 20.85 | 18.36 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37901+38099 | 1RB#0 | 0RB#0 | 64QAM | 20.75 | 18.26 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37901+38099 | 18RB#0 | 0RB#0 | 64QAM | 20.73 | 18.24 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37952+38150 | 1RB#0 | 0RB#0 | 64QAM | 20.83 | 18.34 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37952+38150 | 18RB#0 | 0RB#0 | 64QAM | 20.88 | 18.39 | 33.00 | PASS |

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Remark:
a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,
ERP [dBm] = Conducted Power [dBm] + Gain [dBd]
EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]

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# 2 Peak-to-Average Ratio

**Part I - Test Results**

| Test Band | Modulation | Test Mode | Test Channel | PCC RB Config | SCC RB Config | Measured [dB] | Limit [dB] | Verdict |
|---|---|---|---|---|---|---|---|---|
| CA_38C | QPSK | 100RB+100RB | 37850+38048 | 100RB#0 | 100RB#0 | 8.49 | 13.00 | PASS |
| CA_38C | QPSK | 100RB+100RB | 37901+38099 | 100RB#0 | 100RB#0 | 12.70 | 13.00 | PASS |
| CA_38C | QPSK | 100RB+100RB | 37952+38150 | 100RB#0 | 100RB#0 | 6.20 | 13.00 | PASS |
| CA_38C | 16QAM | 100RB+100RB | 37850+38048 | 100RB#0 | 100RB#0 | 8.38 | 13.00 | PASS |
| CA_38C | 16QAM | 100RB+100RB | 37901+38099 | 100RB#0 | 100RB#0 | 6.52 | 13.00 | PASS |
| CA_38C | 16QAM | 100RB+100RB | 37952+38150 | 100RB#0 | 100RB#0 | 6.49 | 13.00 | PASS |
| CA_38C | 64QAM | 100RB+100RB | 37850+38048 | 100RB#0 | 100RB#0 | 8.41 | 13.00 | PASS |
| CA_38C | 64QAM | 100RB+100RB | 37901+38099 | 100RB#0 | 100RB#0 | 8.35 | 13.00 | PASS |
| CA_38C | 64QAM | 100RB+100RB | 37952+38150 | 100RB#0 | 100RB#0 | 8.43 | 13.00 | PASS |

## 2.1 For LTE

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### 2.1.1 Test Band = LTE Band CA_38C

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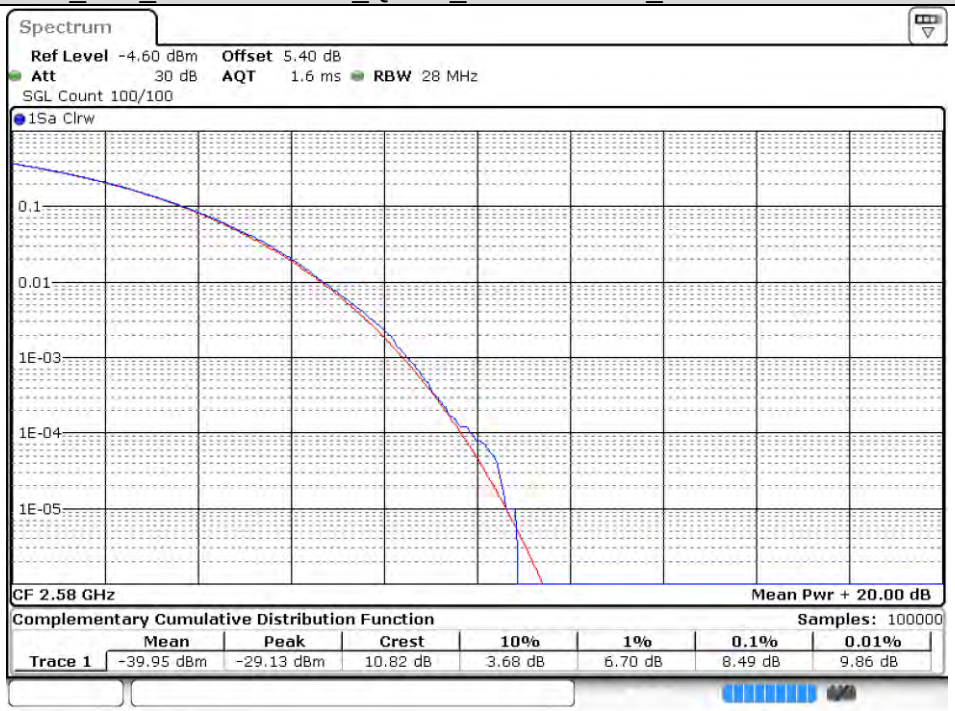


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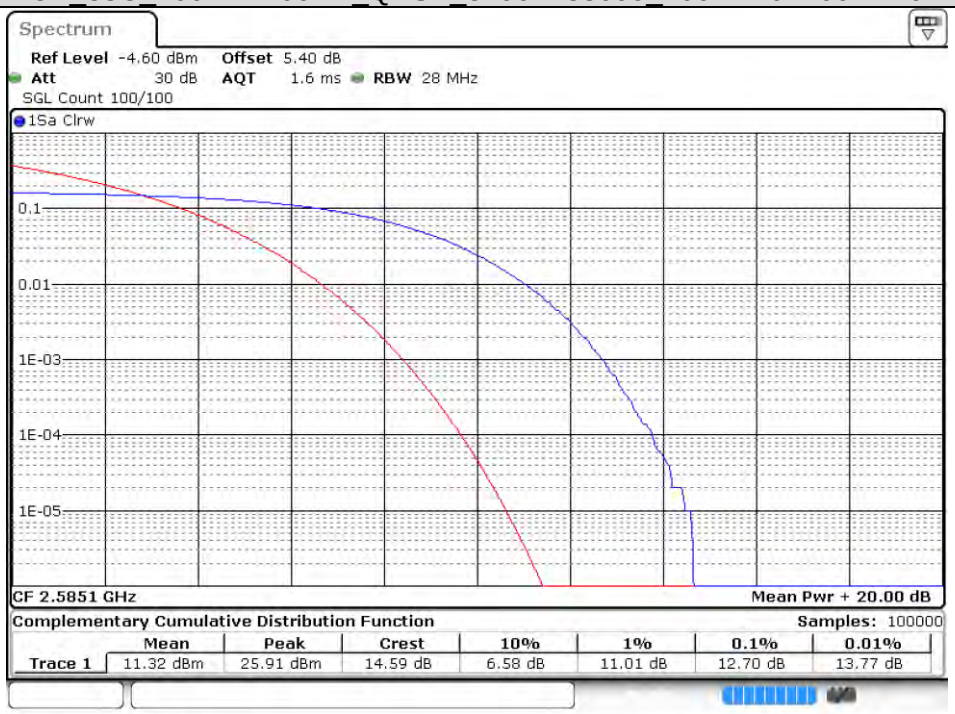


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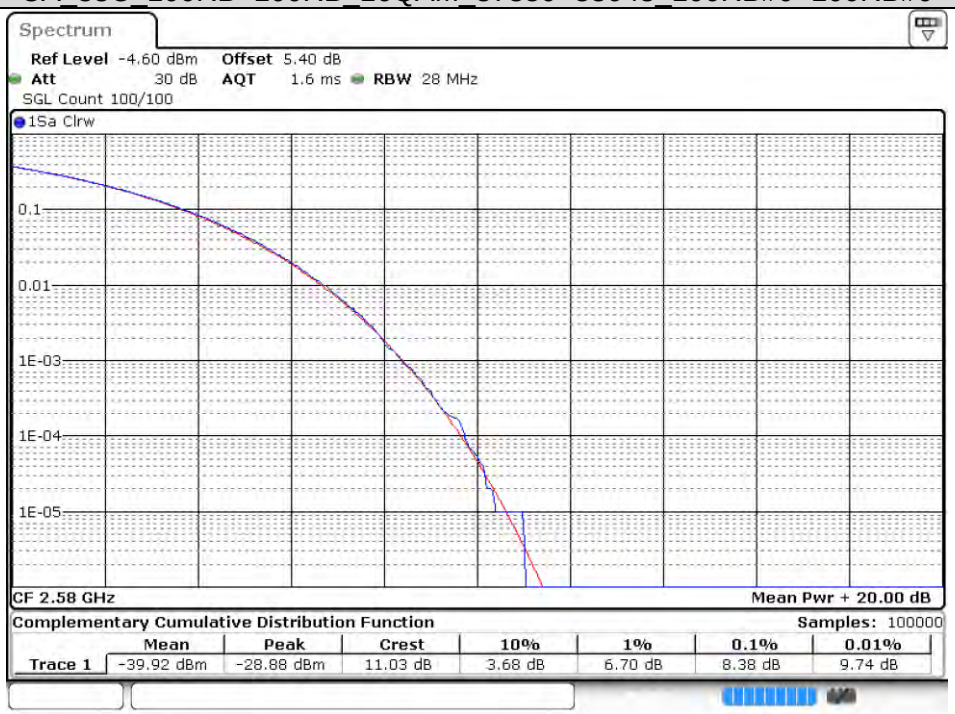


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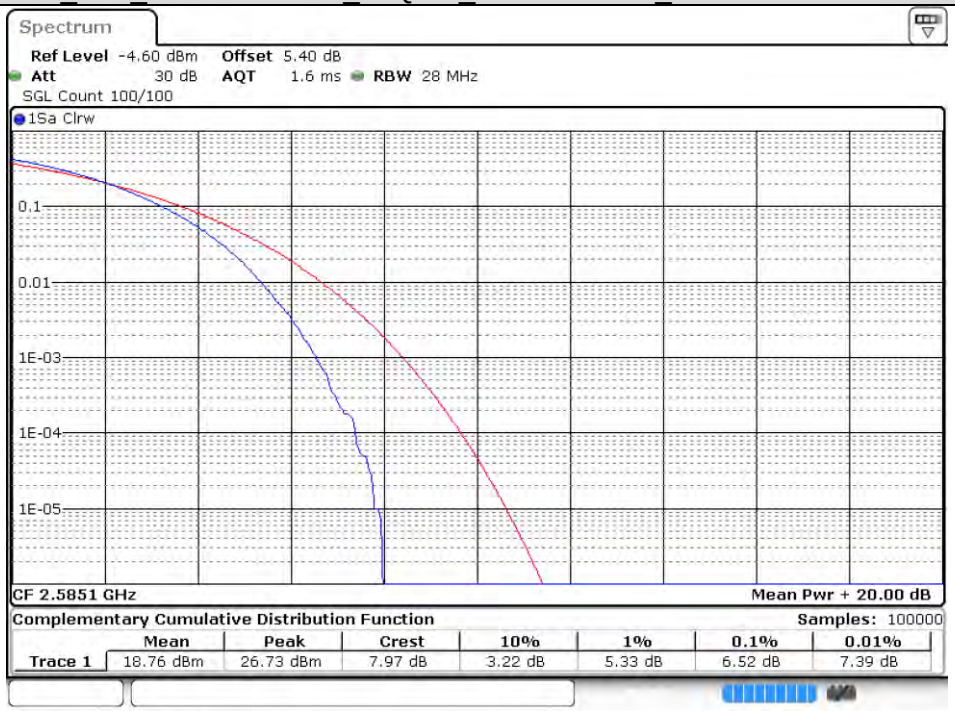
CA_38C_100RB+100RB_16QAM_37901+38099_100RB#0+100RB#0

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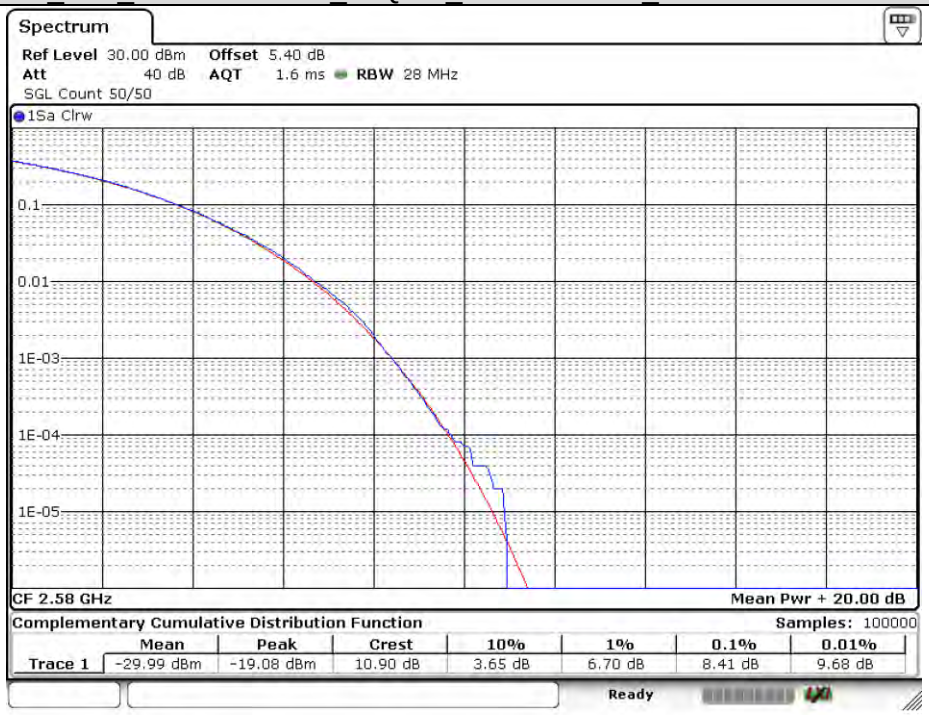


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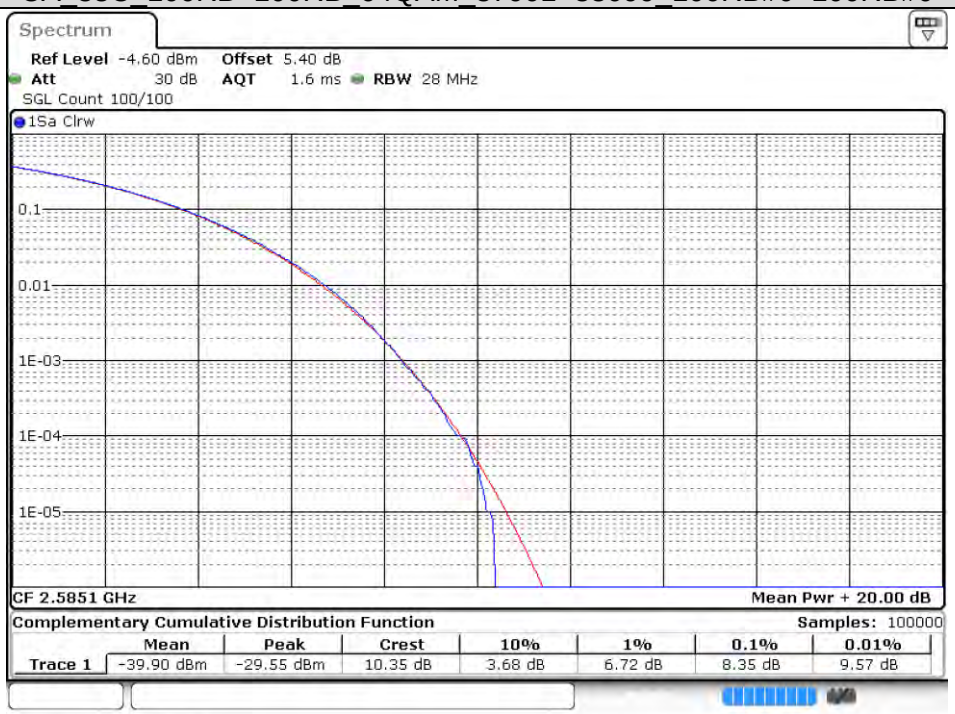


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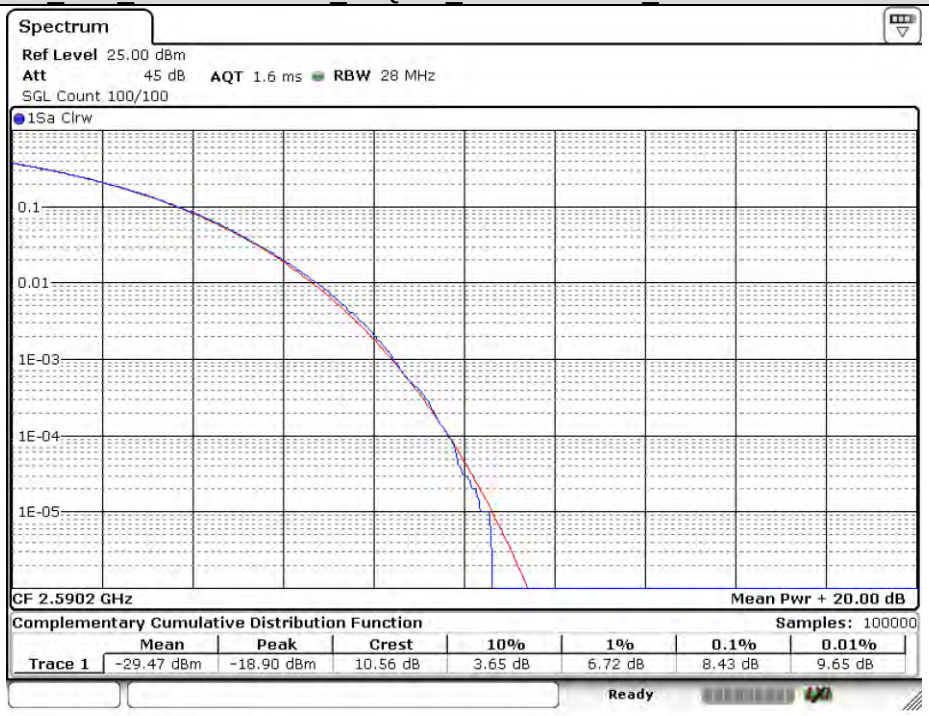


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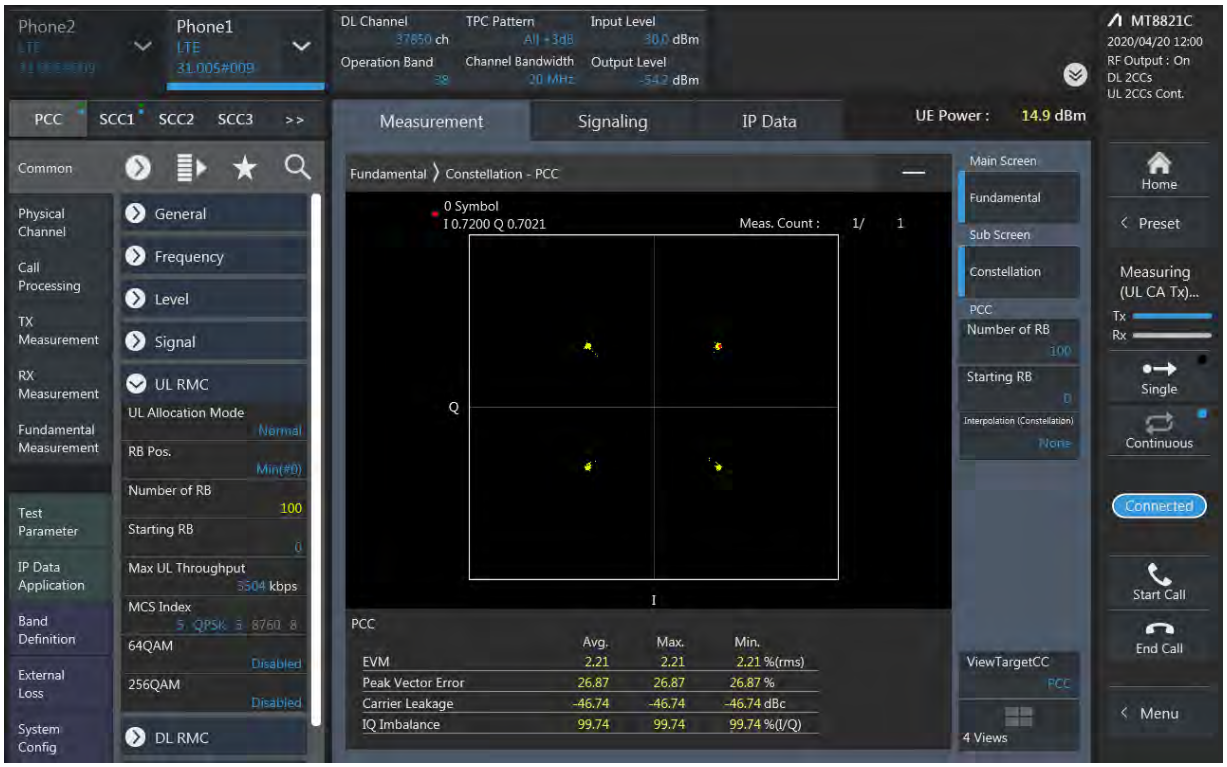
# 3 Modulation Characteristics

## 3.1 For LTE

### 3.1.1 Test Band = LTE Band CA_38C

#### 3.1.1.1 Test Mode = LTE /QPSK 100RB+100RB

##### 3.1.1.1.1 Test Channel = 37850+38048

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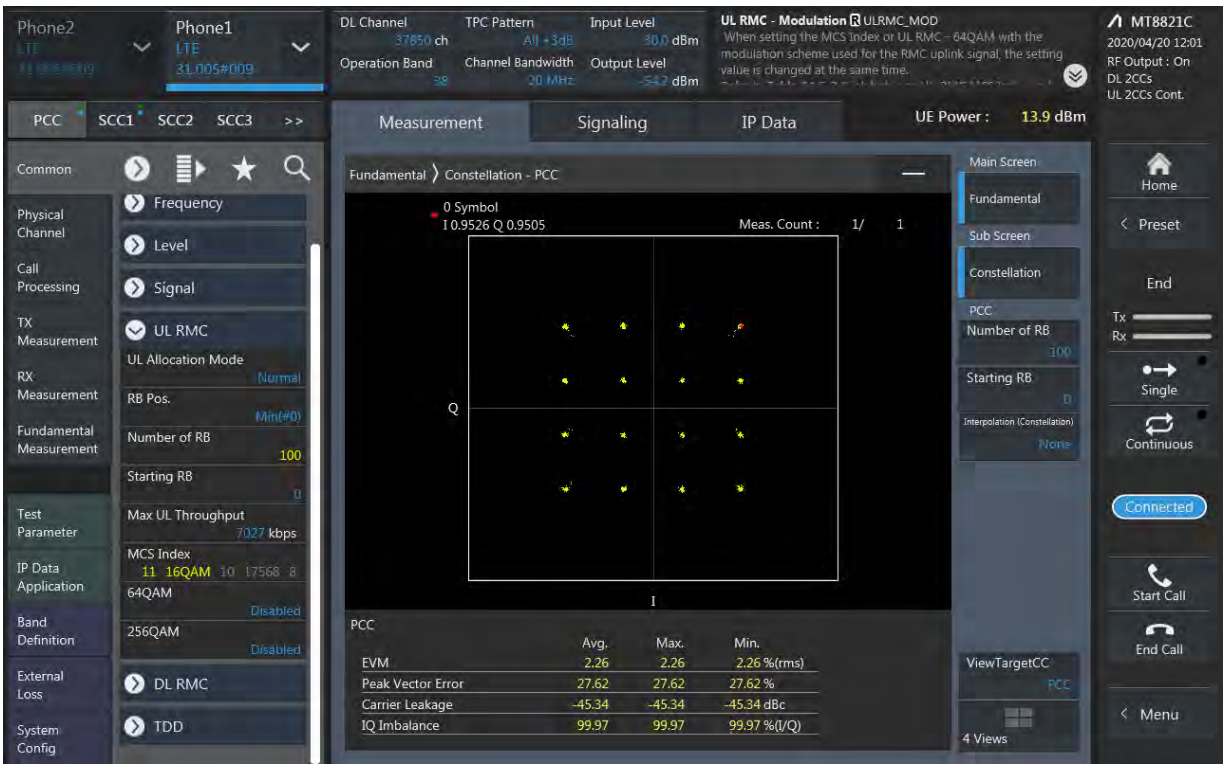
### 3.1.1.2 Test Mode = LTE /16QAM 100RB+100RB

#### 3.1.1.2.1 Test Channel =37850+38048

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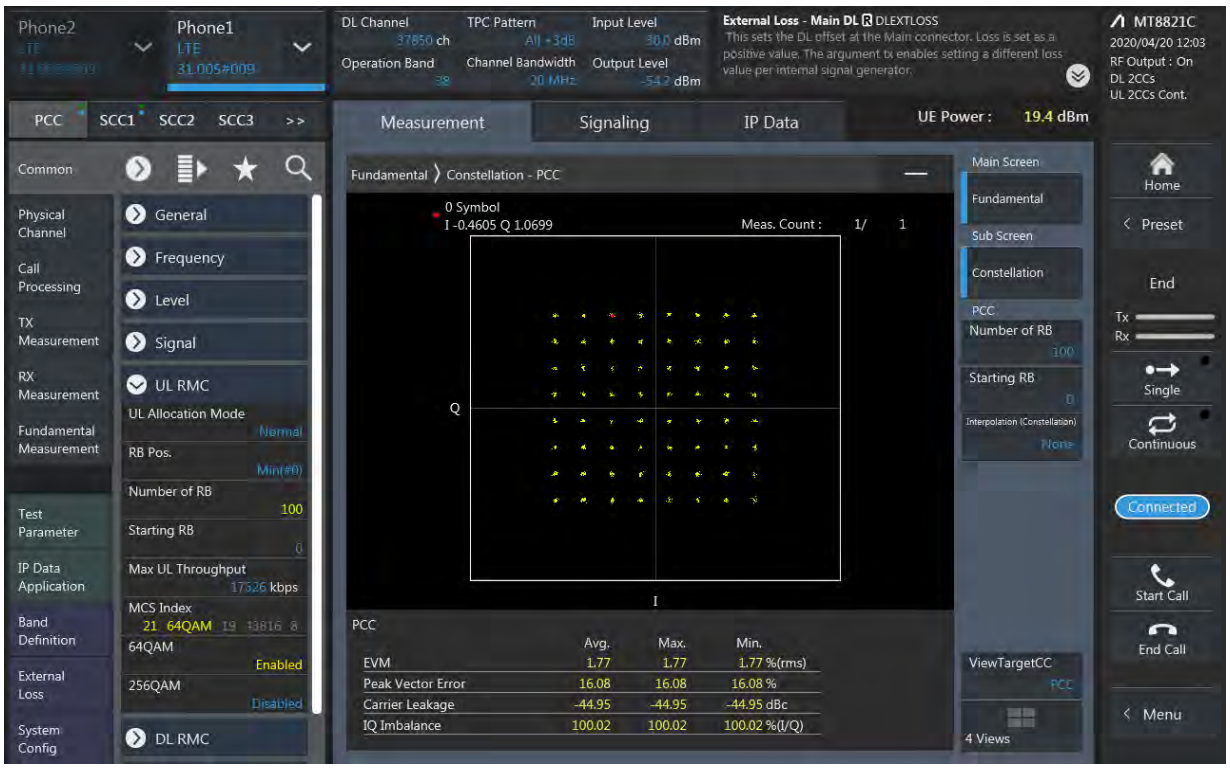
### 3.1.1.3 Test Mode = LTE /64QAM 100RB+100RB

#### 3.1.1.3.1 Test Channel = 37850+38048

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# 4 26dB Bandwidth and Occupied Bandwidth

| Test Band | Modulation PCC&SCC | Test Mode PCC/SCC | Test Channel PCC/SCC | PCC RB | SCC RB | OBW [MHz] | EBW [MHz] | Verdict |
|---|---|---|---|---|---|---|---|---|
| CA_38C | QPSK | 75RB+75RB | 37825+37975 | 75RB#0 | 75RB#0 | 28.22 | 29.04 | PASS |
| CA_38C | QPSK | 75RB+75RB | 37925+38075 | 75RB#0 | 75RB#0 | 28.40 | 29.01 | PASS |
| CA_38C | QPSK | 75RB+75RB | 38025+38175 | 75RB#0 | 75RB#0 | 28.36 | 29.12 | PASS |
| CA_38C | 16QAM | 75RB+75RB | 37825+37975 | 75RB#0 | 75RB#0 | 28.34 | 29.08 | PASS |
| CA_38C | 16QAM | 75RB+75RB | 37925+38075 | 75RB#0 | 75RB#0 | 28.36 | 29.09 | PASS |
| CA_38C | 16QAM | 75RB+75RB | 38025+38175 | 75RB#0 | 75RB#0 | 28.34 | 29.09 | PASS |
| CA_38C | 64QAM | 75RB+75RB | 37825+37975 | 75RB#0 | 75RB#0 | 28.36 | 29.09 | PASS |
| CA_38C | 64QAM | 75RB+75RB | 37925+38075 | 75RB#0 | 75RB#0 | 28.36 | 29.07 | PASS |
| CA_38C | 64QAM | 75RB+75RB | 38025+38175 | 75RB#0 | 75RB#0 | 28.36 | 29.08 | PASS |
| CA_38C | QPSK | 100RB+100RB | 37850+38048 | 100RB#0 | 100RB#0 | 37.37 | 39.25 | PASS |
| CA_38C | QPSK | 100RB+100RB | 37901+38099 | 100RB#0 | 100RB#0 | 37.35 | 39.19 | PASS |
| CA_38C | QPSK | 100RB+100RB | 37952+38150 | 100RB#0 | 100RB#0 | 37.39 | 39.27 | PASS |
| CA_38C | 16QAM | 100RB+100RB | 37850+38048 | 100RB#0 | 100RB#0 | 37.73 | 38.77 | PASS |
| CA_38C | 16QAM | 100RB+100RB | 37901+38099 | 100RB#0 | 100RB#0 | 37.69 | 39.09 | PASS |
| CA_38C | 16QAM | 100RB+100RB | 37952+38150 | 100RB#0 | 100RB#0 | 37.71 | 38.73 | PASS |
| CA_38C | 64QAM | 100RB+100RB | 37850+38048 | 100RB#0 | 100RB#0 | 37.73 | 38.71 | PASS |
| CA_38C | 64QAM | 100RB+100RB | 37901+38099 | 100RB#0 | 100RB#0 | 37.65 | 38.55 | PASS |
| CA_38C | 64QAM | 100RB+100RB | 37952+38150 | 100RB#0 | 100RB#0 | 37.69 | 38.71 | PASS |

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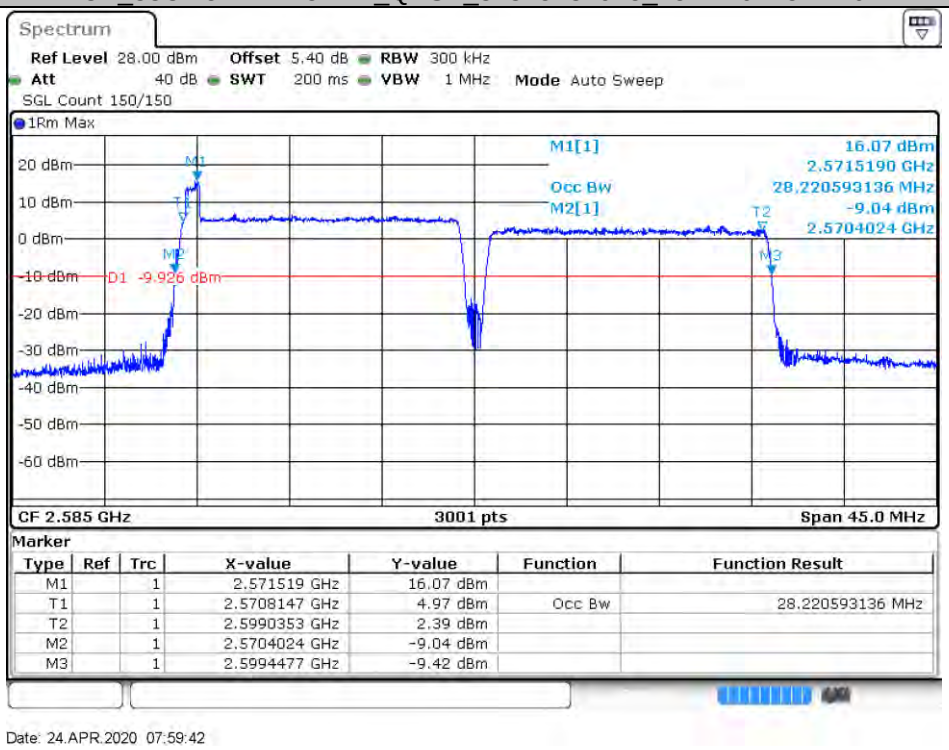
# 4.1 For LTE

## 4.1.1 Test Band = LTE Band CA_38C

CA_38C 15MHz+15MHz_QPSK_37825+37975_75RB#0+75RB#0

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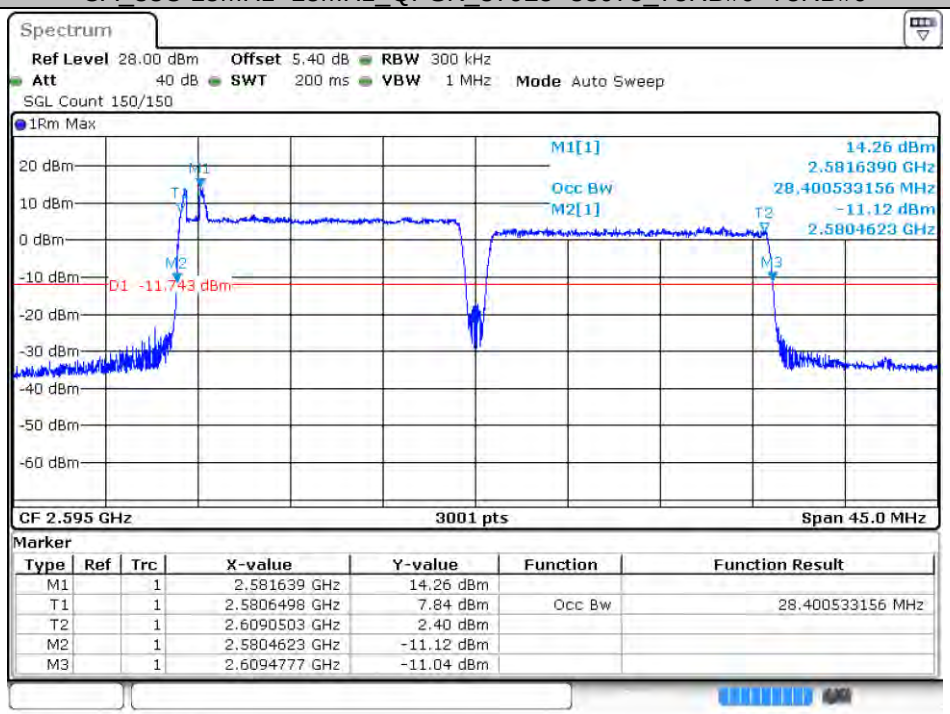
CA_38C 15MHz+15MHz_QPSK_37925+38075_75RB#0+75RB#0

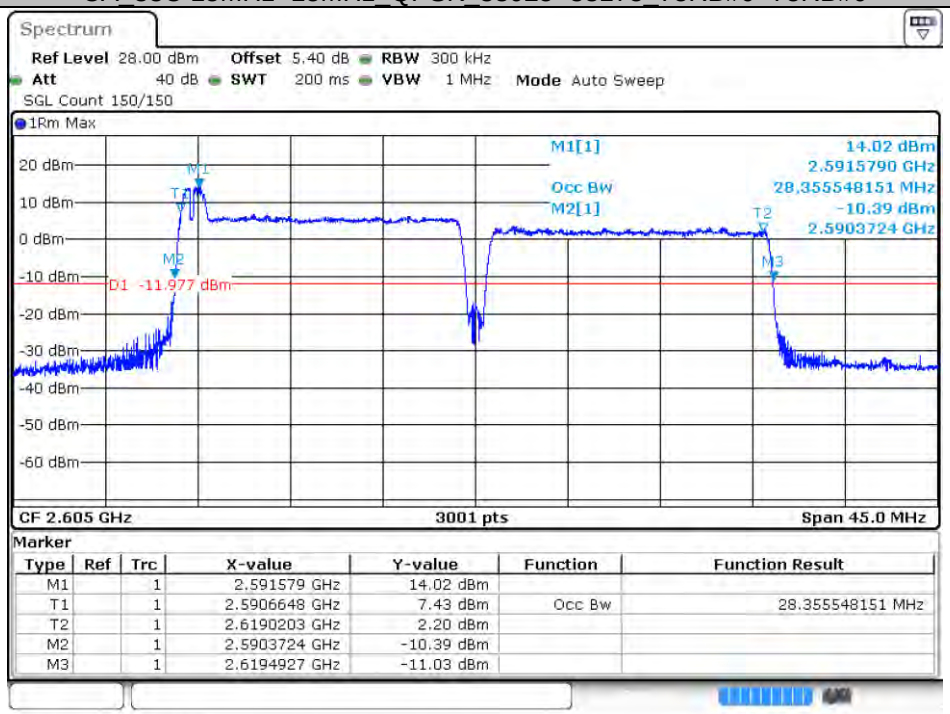



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.581639 GHz | 14.26 dBm | | |
| T1 | | 1 | 2.5806498 GHz | 7.84 dBm | Occ Bw | 28.400533156 MHz |
| T2 | | 1 | 2.6090503 GHz | 2.40 dBm | | |
| M2 | | 1 | 2.5804623 GHz | -11.12 dBm | | |
| M3 | | 1 | 2.6094777 GHz | -11.04 dBm | | |

Date: 24.APR.2020 08:01:40

CA_38C 15MHz+15MHz_QPSK_38025+38175_75RB#0+75RB#0




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.591579 GHz | 14.02 dBm | | |
| T1 | | 1 | 2.5906648 GHz | 7.43 dBm | Occ Bw | 28.355548151 MHz |
| T2 | | 1 | 2.6190203 GHz | 2.20 dBm | | |
| M2 | | 1 | 2.5903724 GHz | -10.39 dBm | | |
| M3 | | 1 | 2.6194927 GHz | -11.03 dBm | | |

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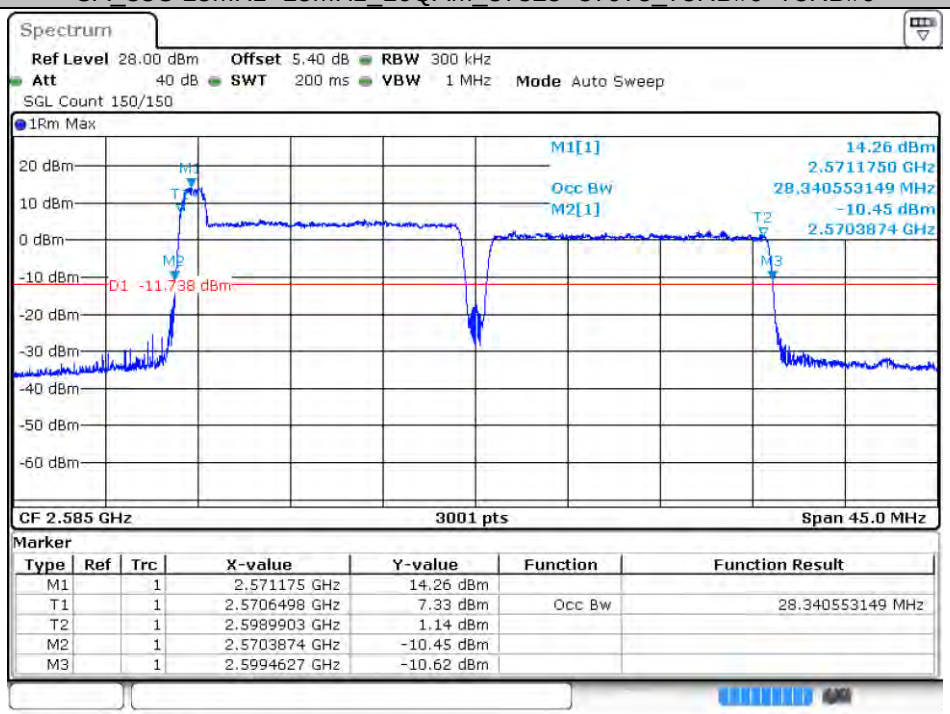


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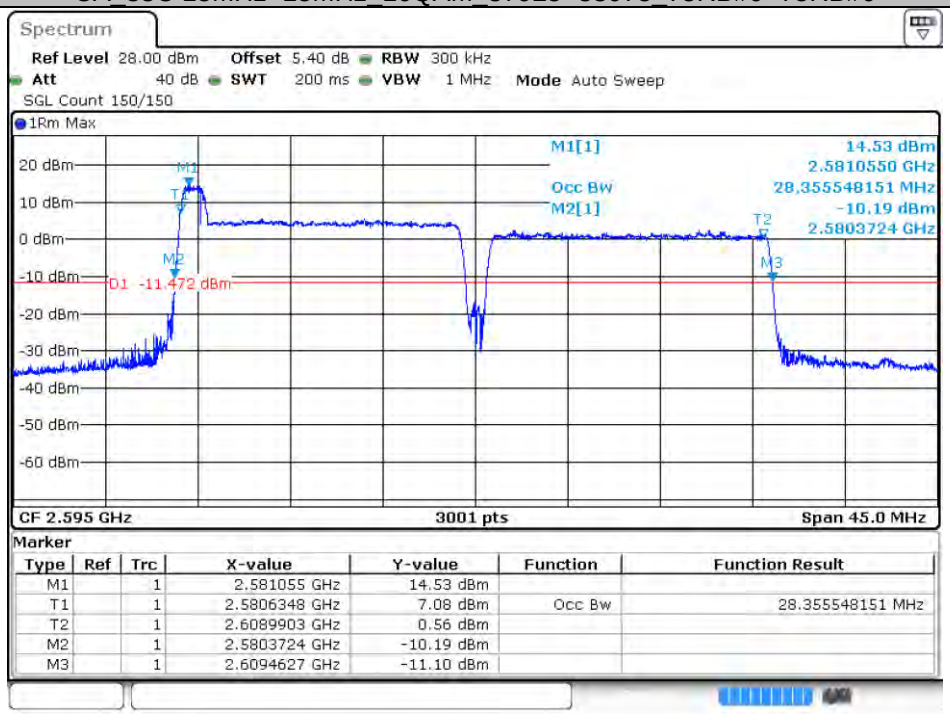


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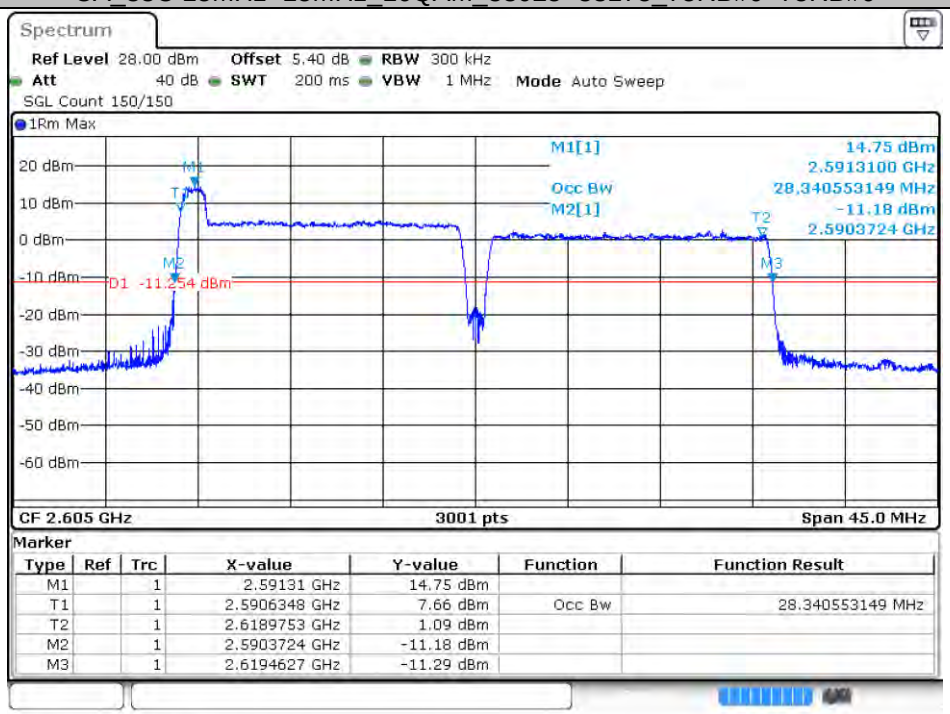


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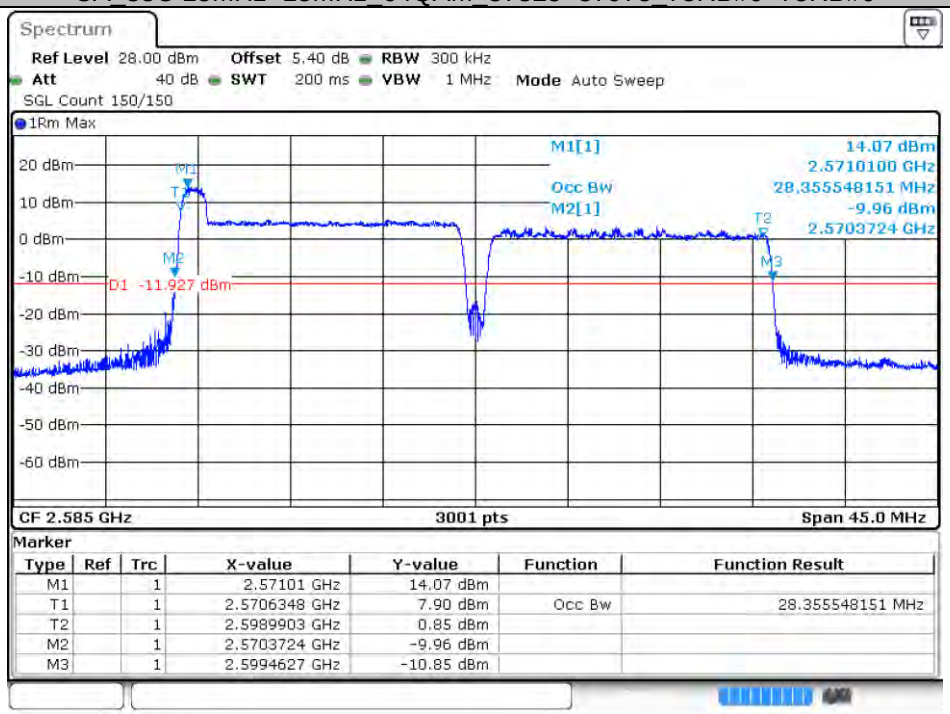


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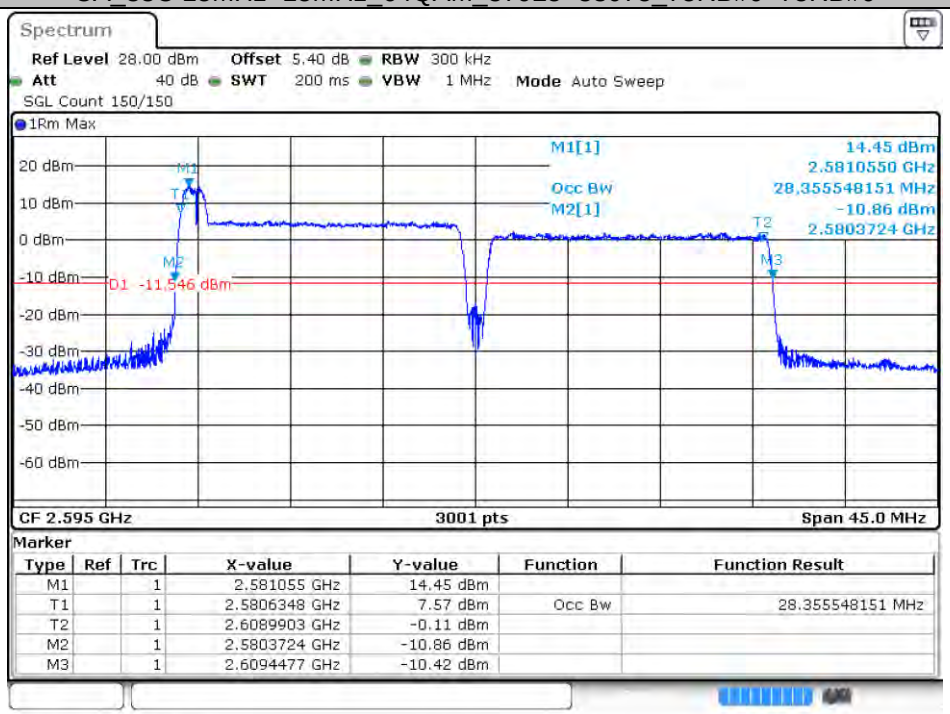


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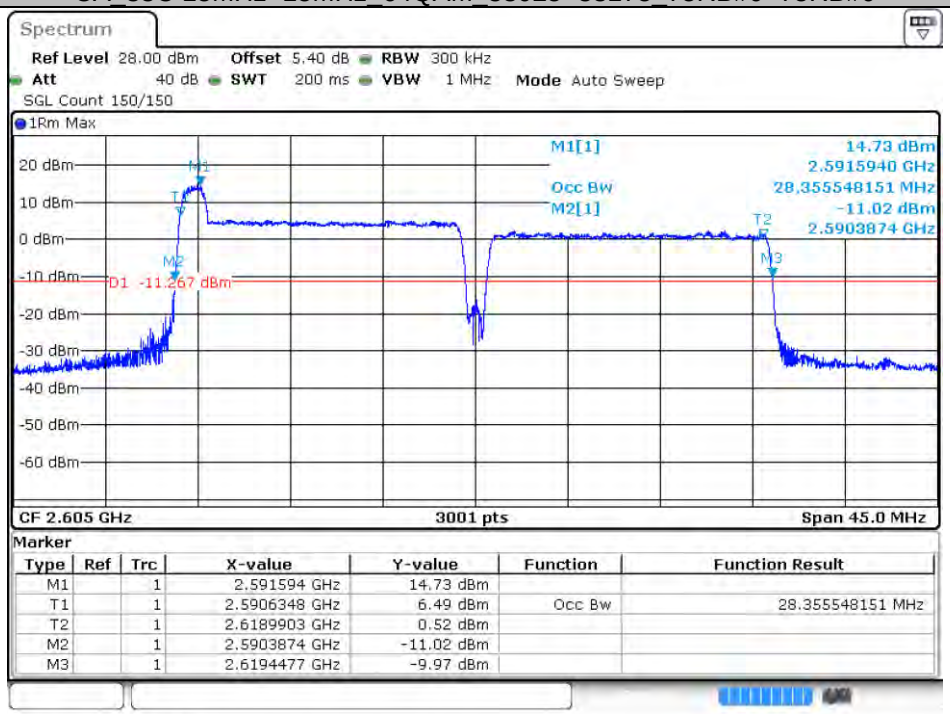


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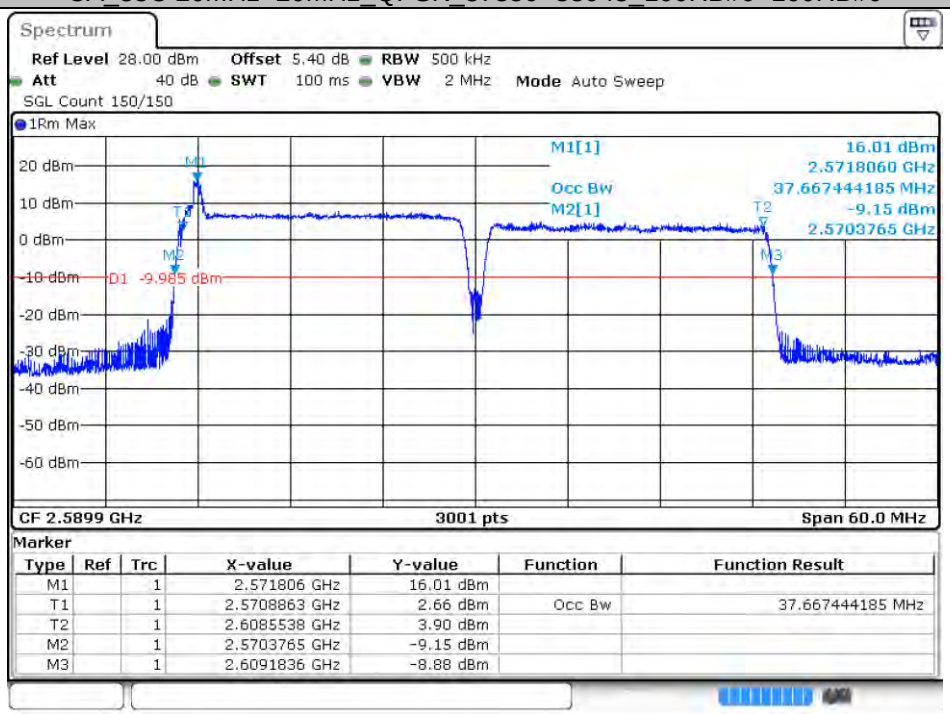
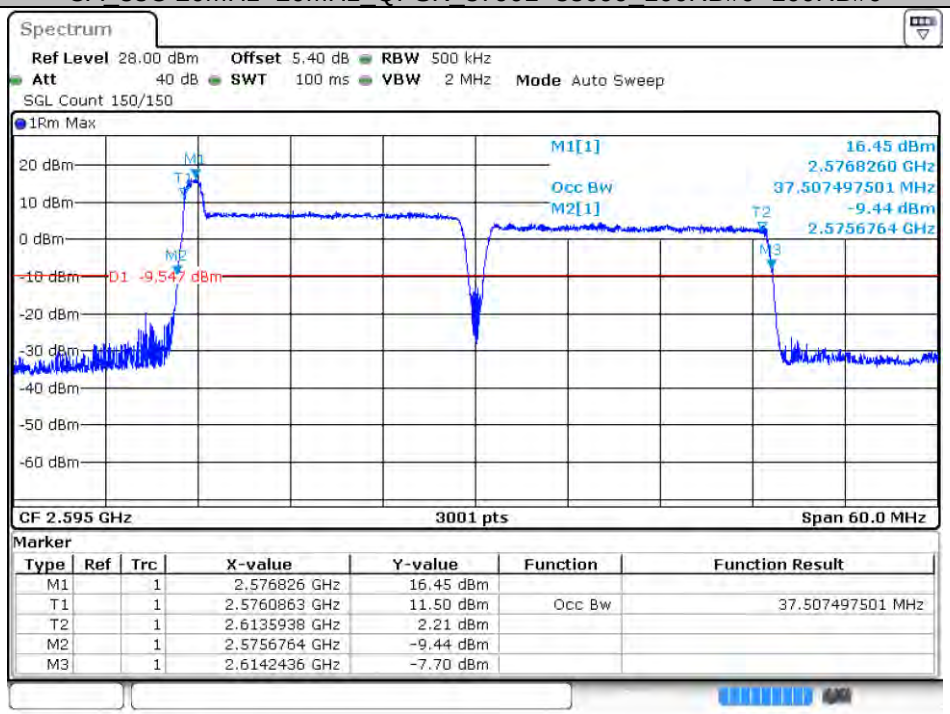



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.571806 GHz | 16.01 dBm | | |
| T1 | | 1 | 2.5708863 GHz | 2.66 dBm | Occ Bw | 37.667444185 MHz |
| T2 | | 1 | 2.6085538 GHz | 3.90 dBm | | |
| M2 | | 1 | 2.5703765 GHz | -9.15 dBm | | |
| M3 | | 1 | 2.6091836 GHz | -8.88 dBm | | |

Date: 24.APR.2020 08:06:12

CA_38C 20MHz+20MHz_QPSK_37901+38099_100RB#0+100RB#0




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.576826 GHz | 16.45 dBm | | |
| T1 | | 1 | 2.5760863 GHz | 11.50 dBm | Occ Bw | 37.507497501 MHz |
| T2 | | 1 | 2.6135938 GHz | 2.21 dBm | | |
| M2 | | 1 | 2.5756764 GHz | -9.44 dBm | | |
| M3 | | 1 | 2.6142436 GHz | -7.70 dBm | | |

Date: 24.APR.2020 08:07:18

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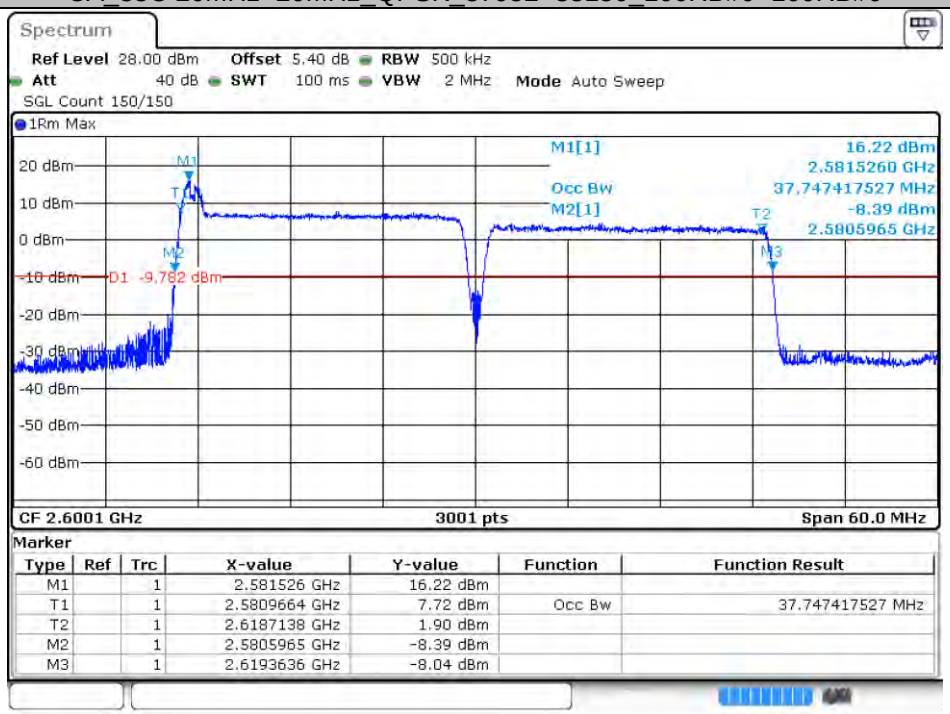
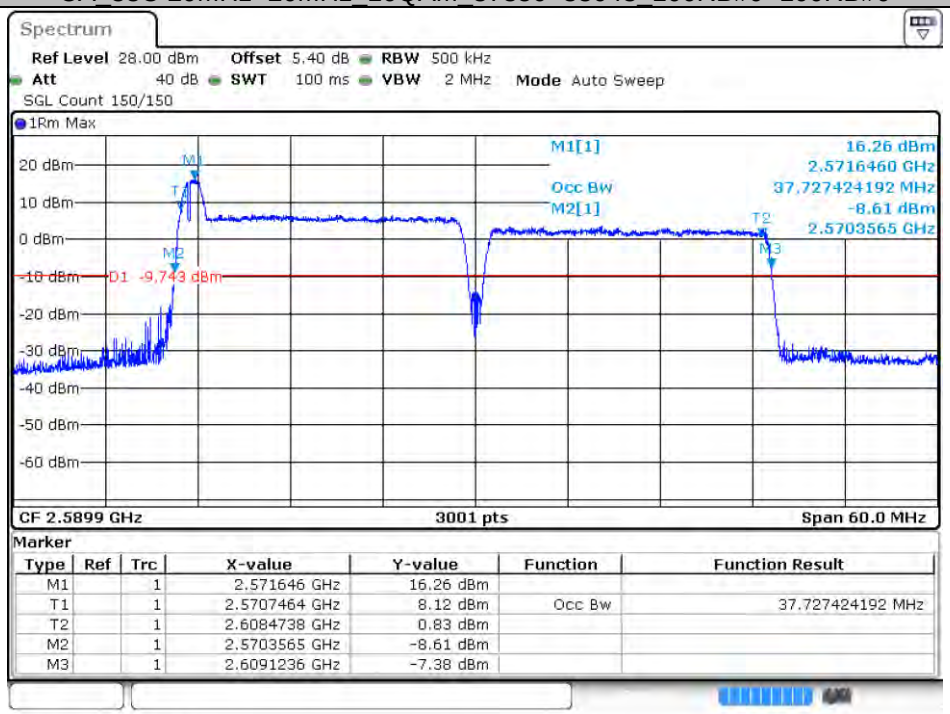
CA_38C 20MHz+20MHz_QPSK_37952+38150_100RB#0+100RB#0




CA_38C 20MHz+20MHz_16QAM_37850+38048_100RB#0+100RB#0

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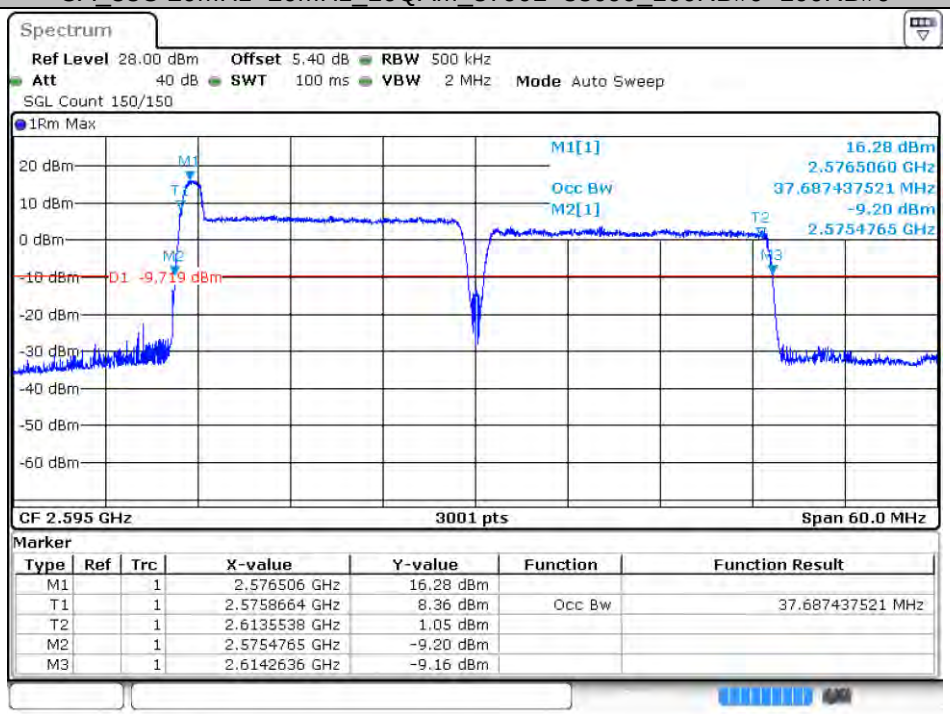
CA_38C 20MHz+20MHz_16QAM_37901+38099_100RB#0+100RB#0

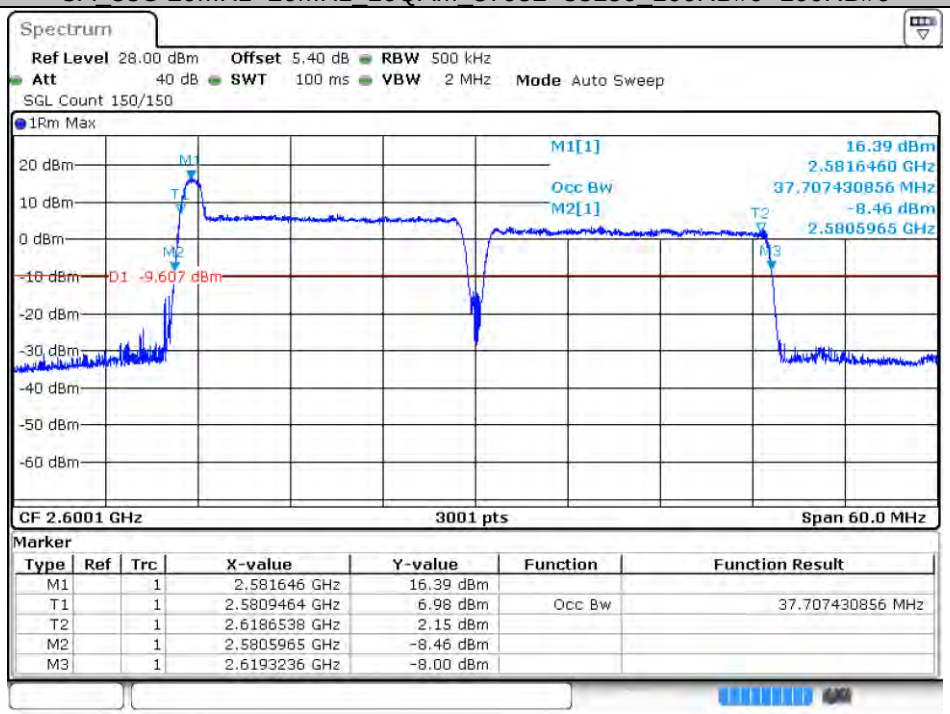



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.576506 GHz | 16.28 dBm | | |
| T1 | | 1 | 2.5758664 GHz | 8.36 dBm | Occ Bw | 37.687437521 MHz |
| T2 | | 1 | 2.6135538 GHz | 1.05 dBm | | |
| M2 | | 1 | 2.5754765 GHz | -9.20 dBm | | |
| M3 | | 1 | 2.6142636 GHz | -9.16 dBm | | |

Date: 24.APR.2020 08:07:40

CA_38C 20MHz+20MHz_16QAM_37952+38150_100RB#0+100RB#0




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.581646 GHz | 16.39 dBm | | |
| T1 | | 1 | 2.5809464 GHz | 6.98 dBm | Occ Bw | 37.707430856 MHz |
| T2 | | 1 | 2.6186538 GHz | 2.15 dBm | | |
| M2 | | 1 | 2.5805965 GHz | -8.46 dBm | | |
| M3 | | 1 | 2.6193236 GHz | -8.00 dBm | | |

Date: 24.APR.2020 08:08:46

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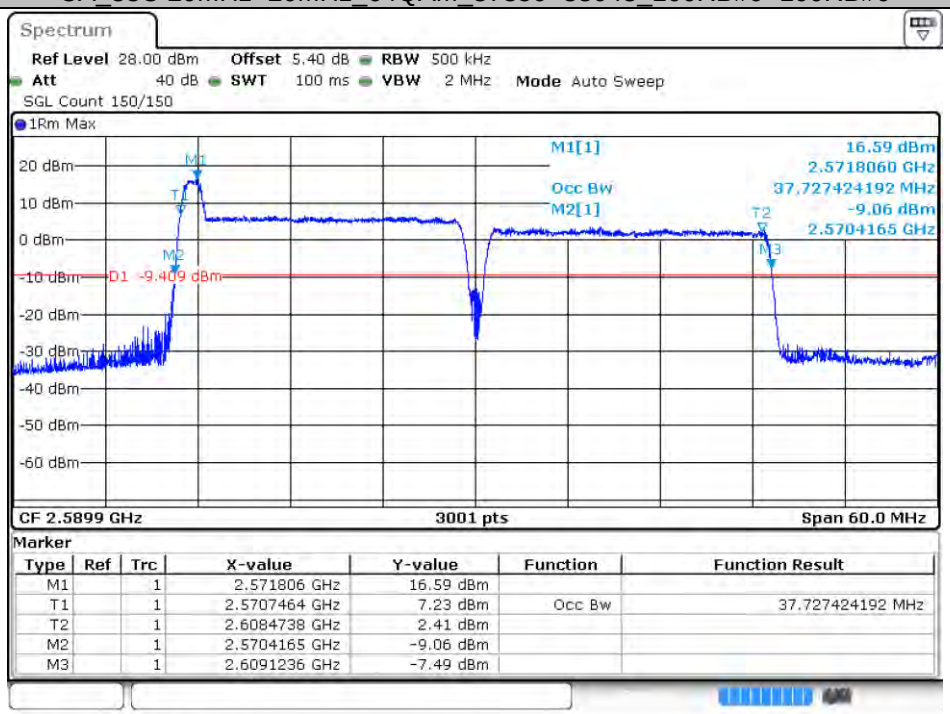
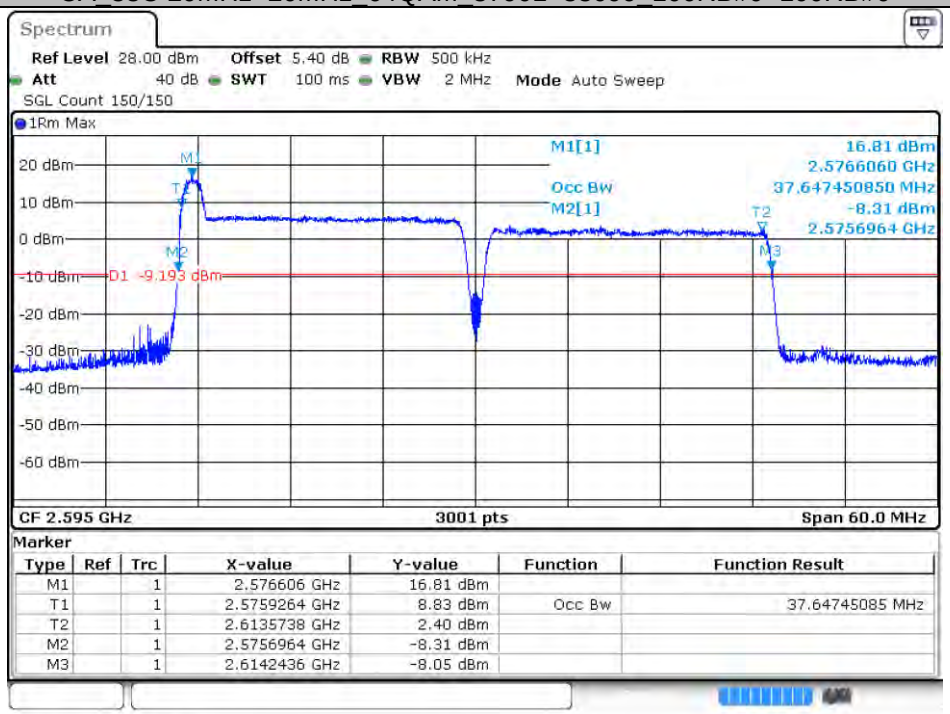
CA_38C 20MHz+20MHz_64QAM_37850+38048_100RB#0+100RB#0




Date: 24.APR.2020 08:06:55

CA_38C 20MHz+20MHz_64QAM_37901+38099_100RB#0+100RB#0

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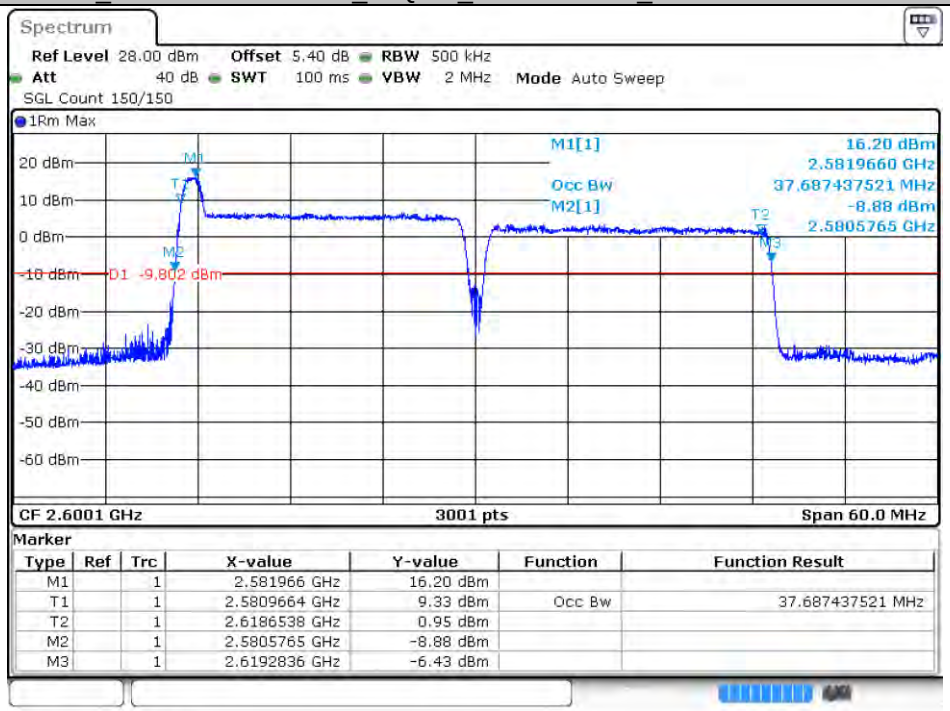
CA_38C 20MHz+20MHz_64QAM_37952+38150_100RB#0+100RB#0




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.581966 GHz | 16.20 dBm | | |
| T1 | | 1 | 2.5809664 GHz | 9.33 dBm | Occ Bw | 37.687437521 MHz |
| T2 | | 1 | 2.6186538 GHz | 0.95 dBm | | |
| M2 | | 1 | 2.5805765 GHz | -8.88 dBm | | |
| M3 | | 1 | 2.6192836 GHz | -6.43 dBm | | |

Date: 24.APR.2020 08:09:08

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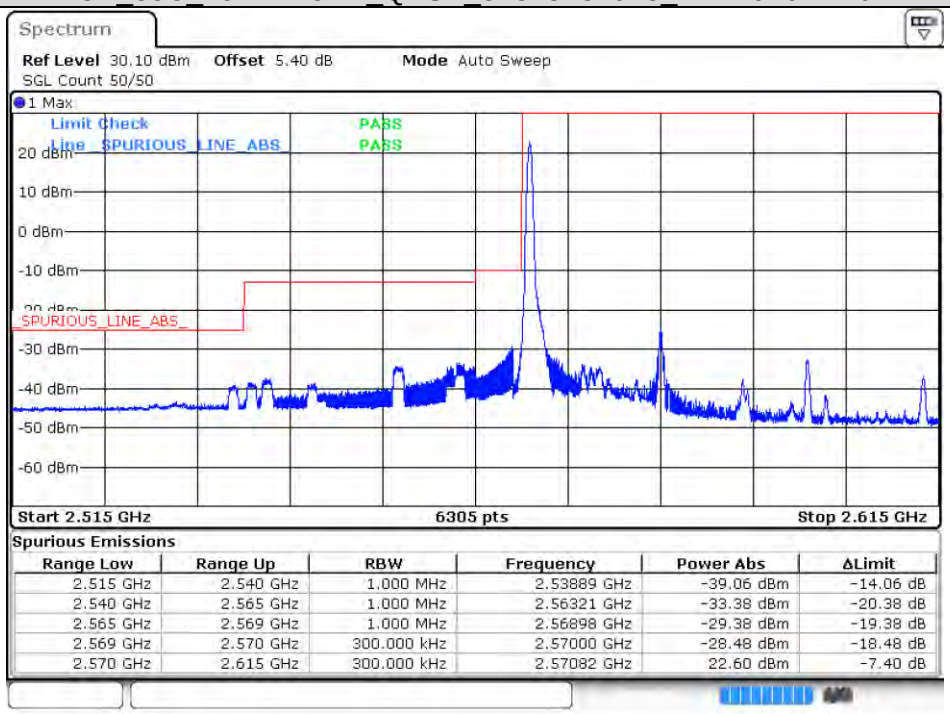
# 5 Band Edges Compliance

## 5.1 For LTE

### 5.1.1 Test Band = LTE Band CA_38C

CA_38C_75RB+75RB_QPSK_37825+37975_1RB#0+0RB#0




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.515 GHz | 2.540 GHz | 1.000 MHz | 2.53889 GHz | -39.06 dBm | -14.06 dB |
| 2.540 GHz | 2.565 GHz | 1.000 MHz | 2.56321 GHz | -33.38 dBm | -20.38 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56898 GHz | -29.38 dBm | -19.38 dB |
| 2.569 GHz | 2.570 GHz | 300.000 kHz | 2.57000 GHz | -28.48 dBm | -18.48 dB |
| 2.570 GHz | 2.615 GHz | 300.000 kHz | 2.57082 GHz | 22.60 dBm | -7.40 dB |

Date: 24.APR.2020 08:10:27

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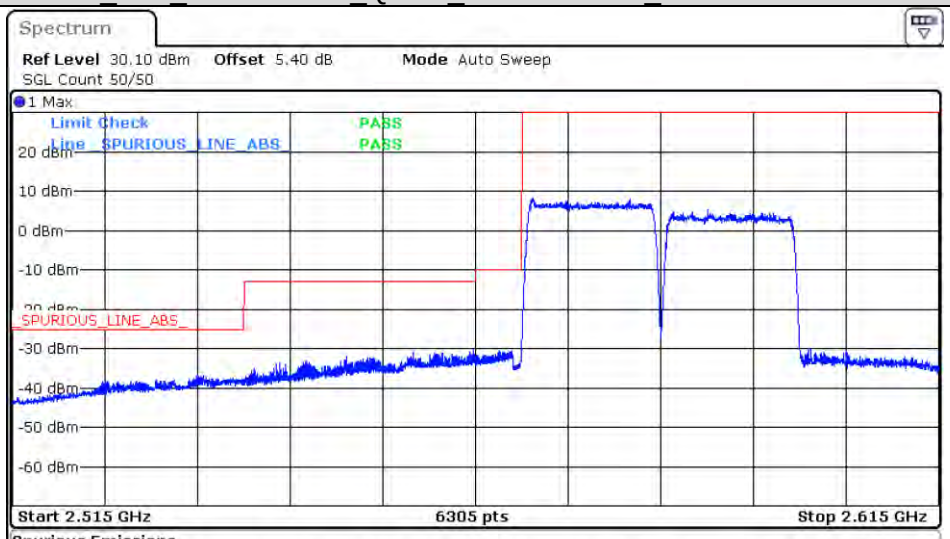
CA_38C_75RB+75RB_QPSK_37825+37975_75RB#0+75RB#0

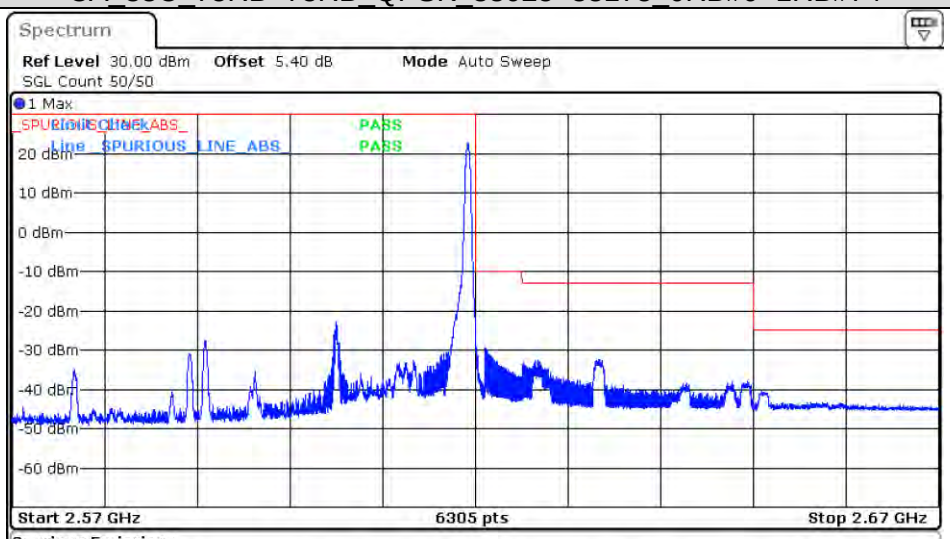



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.515 GHz | 2.540 GHz | 1.000 MHz | 2.53569 GHz | -36.74 dBm | -11.74 dB |
| 2.540 GHz | 2.565 GHz | 1.000 MHz | 2.56479 GHz | -30.21 dBm | -17.21 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56892 GHz | -30.40 dBm | -20.40 dB |
| 2.569 GHz | 2.570 GHz | 500.000 kHz | 2.57000 GHz | -27.81 dBm | -17.81 dB |
| 2.570 GHz | 2.615 GHz | 500.000 kHz | 2.57123 GHz | 8.25 dBm | -21.75 dB |

Date: 24.APR.2020 08:11:59

CA_38C_75RB+75RB_QPSK_38025+38175_0RB#0+1RB#74




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.570 GHz | 2.620 GHz | 300.000 kHz | 2.61921 GHz | 22.64 dBm | -7.36 dB |
| 2.620 GHz | 2.621 GHz | 300.000 kHz | 2.62002 GHz | -27.75 dBm | -17.75 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62100 GHz | -29.48 dBm | -19.48 dB |
| 2.625 GHz | 2.650 GHz | 1.000 MHz | 2.63348 GHz | -32.25 dBm | -19.25 dB |
| 2.650 GHz | 2.670 GHz | 1.000 MHz | 2.65087 GHz | -40.50 dBm | -15.50 dB |

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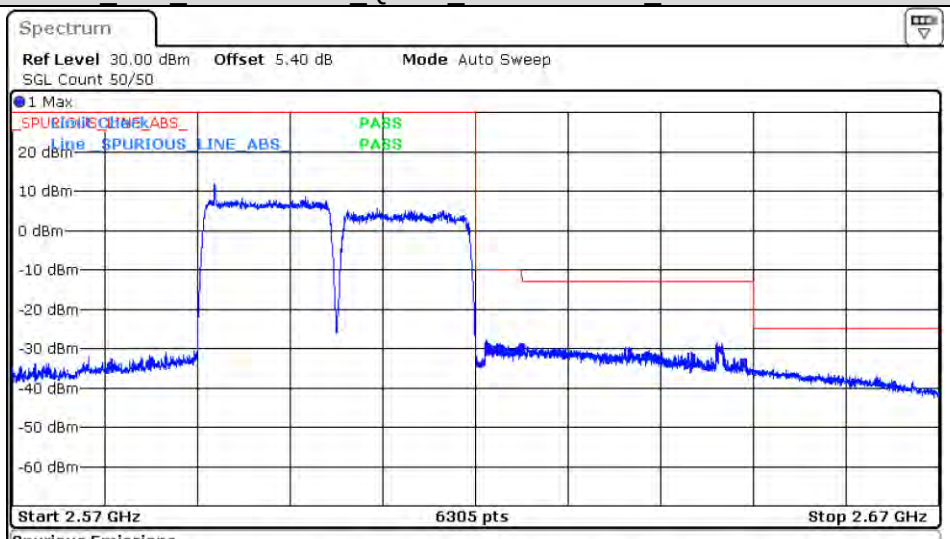
CA_38C_75RB+75RB_QPSK_38025+38175_75RB#0+75RB#0

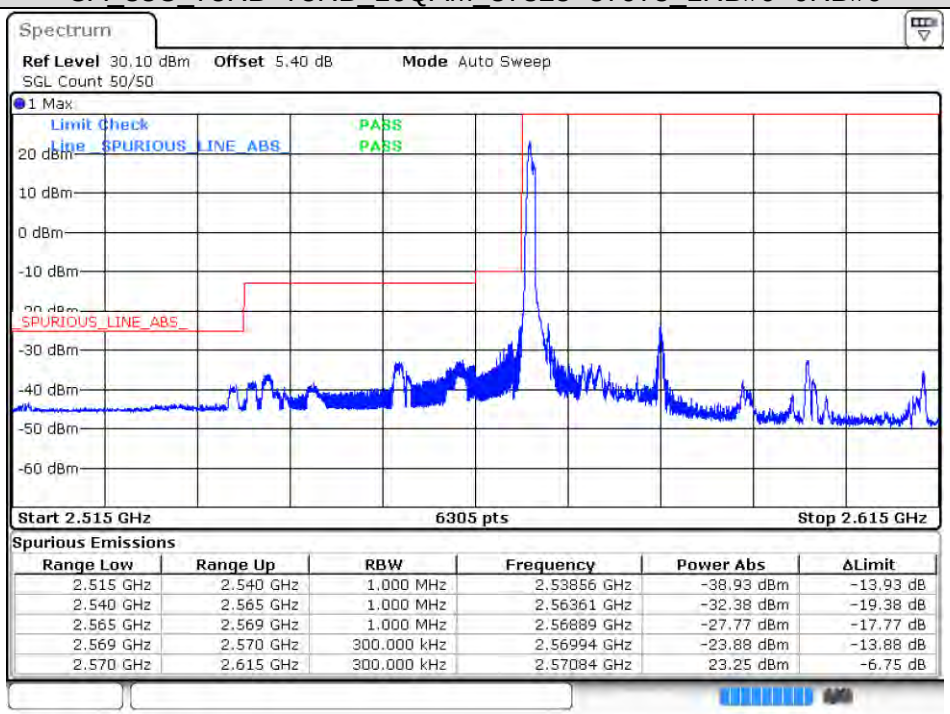



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.570 GHz | 2.620 GHz | 500.000 kHz | 2.59183 GHz | 11.84 dBm | -18.16 dB |
| 2.620 GHz | 2.621 GHz | 500.000 kHz | 2.62000 GHz | -30.65 dBm | -20.65 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62116 GHz | -27.99 dBm | -17.99 dB |
| 2.625 GHz | 2.650 GHz | 1.000 MHz | 2.64603 GHz | -28.41 dBm | -15.41 dB |
| 2.650 GHz | 2.670 GHz | 1.000 MHz | 2.65097 GHz | -35.40 dBm | -10.40 dB |

Date: 24.APR.2020 08:15:00

CA_38C_75RB+75RB_16QAM_37825+37975_1RB#0+0RB#0




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.515 GHz | 2.540 GHz | 1.000 MHz | 2.53856 GHz | -38.93 dBm | -13.93 dB |
| 2.540 GHz | 2.565 GHz | 1.000 MHz | 2.56361 GHz | -32.38 dBm | -19.38 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56889 GHz | -27.77 dBm | -17.77 dB |
| 2.569 GHz | 2.570 GHz | 300.000 kHz | 2.56994 GHz | -23.88 dBm | -13.88 dB |
| 2.570 GHz | 2.615 GHz | 300.000 kHz | 2.57084 GHz | 23.25 dBm | -6.75 dB |

Date: 24.APR.2020 08:10:55

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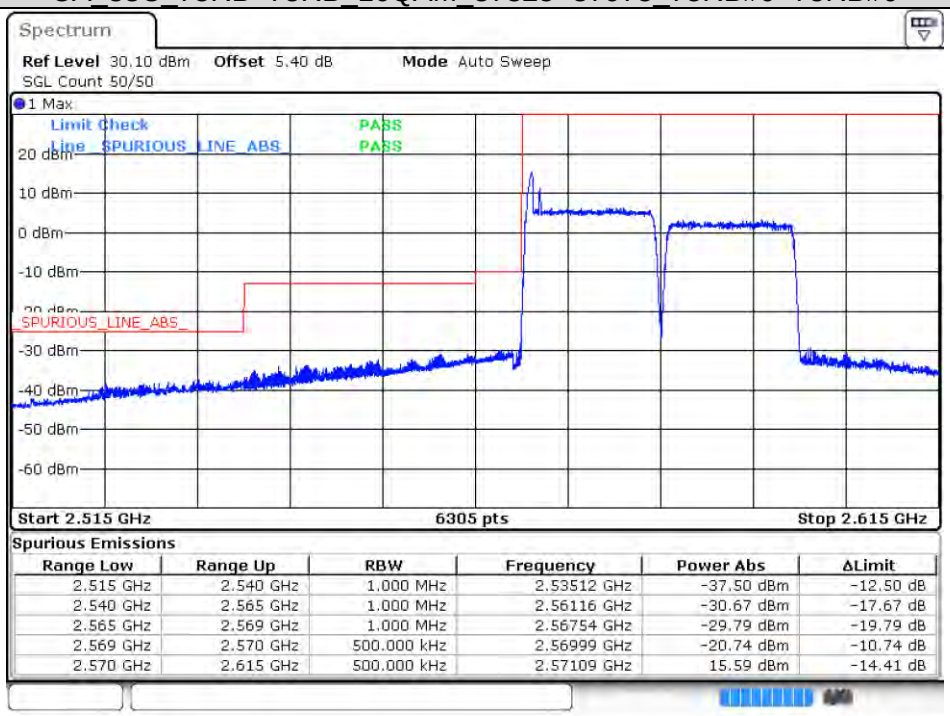
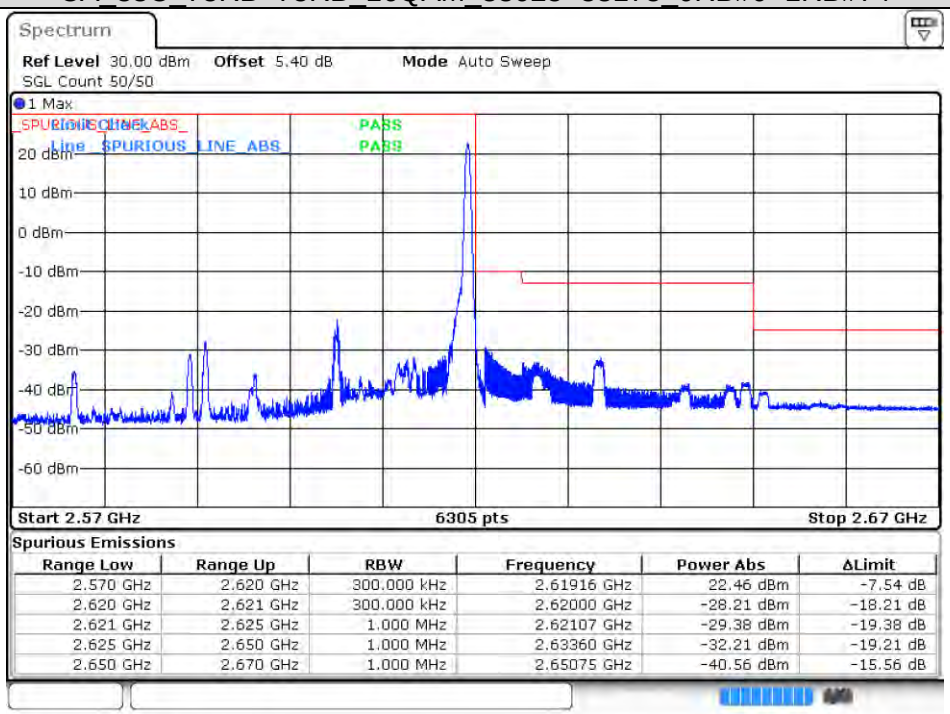



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.515 GHz | 2.540 GHz | 1.000 MHz | 2.53512 GHz | -37.50 dBm | -12.50 dB |
| 2.540 GHz | 2.565 GHz | 1.000 MHz | 2.56116 GHz | -30.67 dBm | -17.67 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56754 GHz | -29.79 dBm | -19.79 dB |
| 2.569 GHz | 2.570 GHz | 500.000 kHz | 2.56999 GHz | -20.74 dBm | -10.74 dB |
| 2.570 GHz | 2.615 GHz | 500.000 kHz | 2.57109 GHz | 15.59 dBm | -14.41 dB |

Date: 24.APR.2020 08:12:28

CA_38C_75RB+75RB_16QAM_38025+38175_0RB#0+1RB#74




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.570 GHz | 2.620 GHz | 300.000 kHz | 2.61916 GHz | 22.46 dBm | -7.54 dB |
| 2.620 GHz | 2.621 GHz | 300.000 kHz | 2.62000 GHz | -28.21 dBm | -18.21 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62107 GHz | -29.38 dBm | -19.38 dB |
| 2.625 GHz | 2.650 GHz | 1.000 MHz | 2.63360 GHz | -32.21 dBm | -19.21 dB |
| 2.650 GHz | 2.670 GHz | 1.000 MHz | 2.65075 GHz | -40.56 dBm | -15.56 dB |

Date: 24.APR.2020 08:14:11

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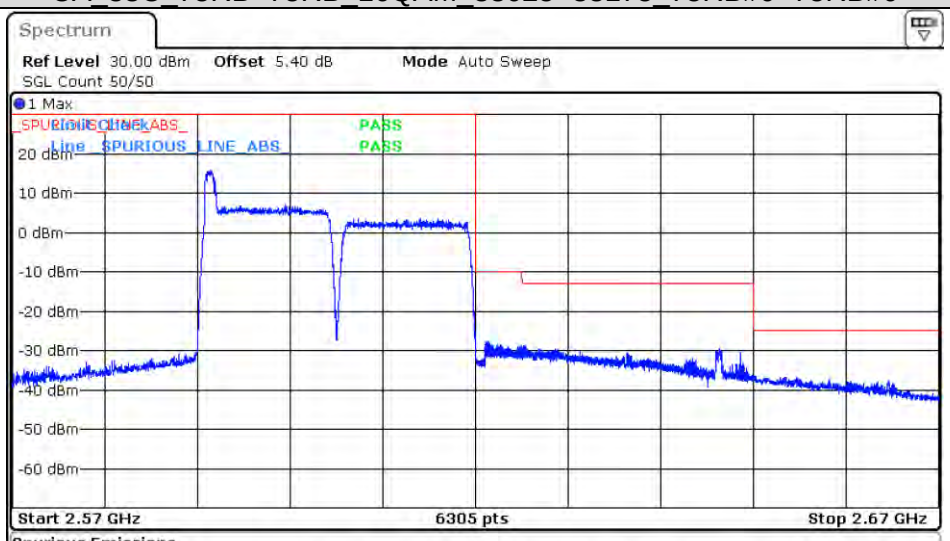
CA_38C_75RB+75RB_16QAM_38025+38175_75RB#0+75RB#0




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.570 GHz | 2.620 GHz | 500.000 kHz | 2.59155 GHz | 15.81 dBm | -14.19 dB |
| 2.620 GHz | 2.621 GHz | 500.000 kHz | 2.62000 GHz | -30.86 dBm | -20.86 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62134 GHz | -27.67 dBm | -17.67 dB |
| 2.625 GHz | 2.650 GHz | 1.000 MHz | 2.62513 GHz | -28.87 dBm | -15.87 dB |
| 2.650 GHz | 2.670 GHz | 1.000 MHz | 2.65017 GHz | -36.58 dBm | -11.58 dB |

Date: 24.APR.2020 08:15:20

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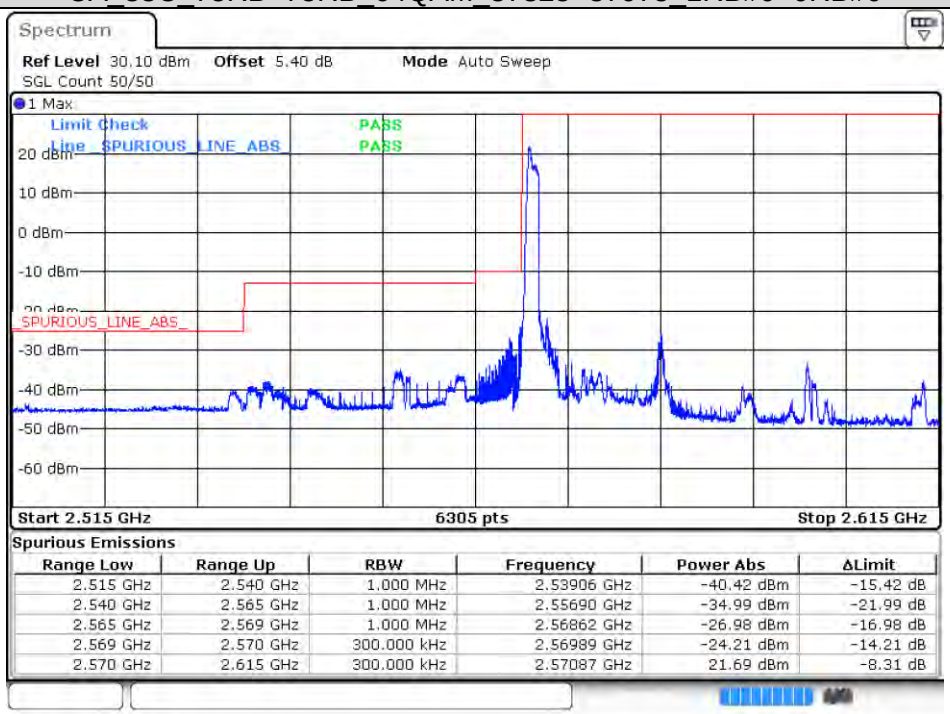


Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.515 GHz | 2.540 GHz | 1.000 MHz | 2.53906 GHz | -40.42 dBm | -15.42 dB |
| 2.540 GHz | 2.565 GHz | 1.000 MHz | 2.55690 GHz | -34.99 dBm | -21.99 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56862 GHz | -26.98 dBm | -16.98 dB |
| 2.569 GHz | 2.570 GHz | 300.000 kHz | 2.56989 GHz | -24.21 dBm | -14.21 dB |
| 2.570 GHz | 2.615 GHz | 300.000 kHz | 2.57087 GHz | 21.69 dBm | -8.31 dB |

Date: 24.APR.2020 08:11:24

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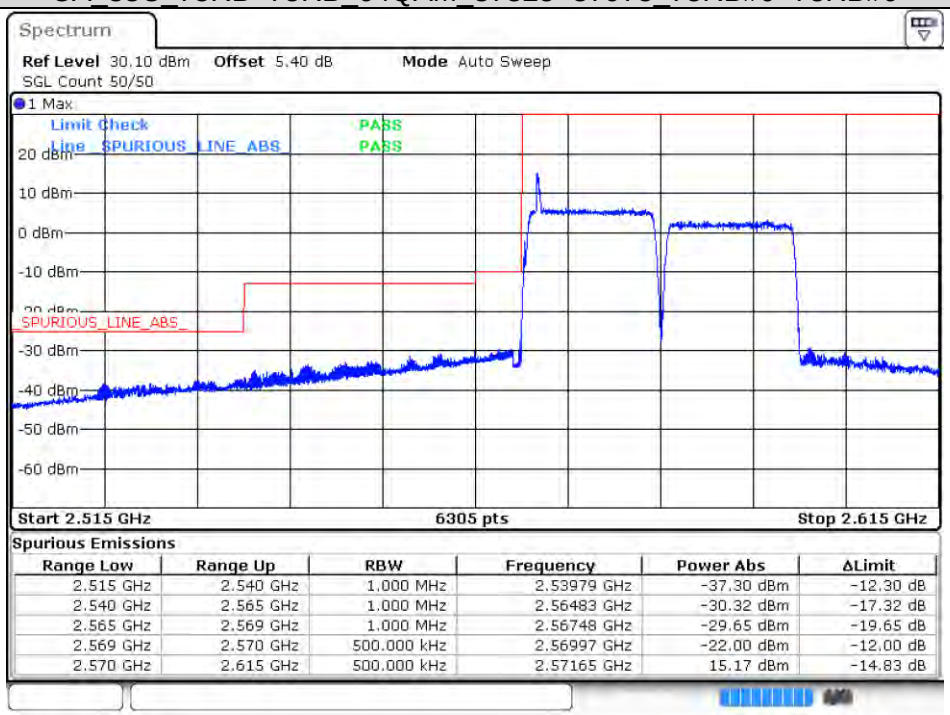
CA_38C_75RB+75RB_64QAM_37825+37975_75RB#0+75RB#0

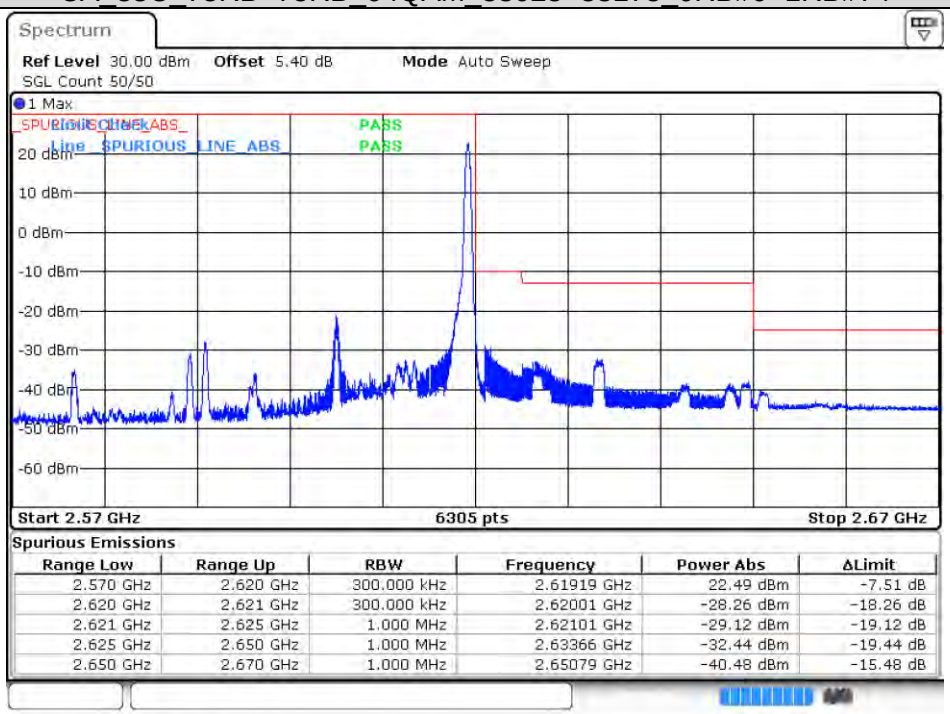



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.515 GHz | 2.540 GHz | 1.000 MHz | 2.53979 GHz | -37.30 dBm | -12.30 dB |
| 2.540 GHz | 2.565 GHz | 1.000 MHz | 2.56483 GHz | -30.32 dBm | -17.32 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56748 GHz | -29.65 dBm | -19.65 dB |
| 2.569 GHz | 2.570 GHz | 500.000 kHz | 2.56997 GHz | -22.00 dBm | -12.00 dB |
| 2.570 GHz | 2.615 GHz | 500.000 kHz | 2.57165 GHz | 15.17 dBm | -14.83 dB |

Date: 24.APR.2020 08:12:56

CA_38C_75RB+75RB_64QAM_38025+38175_0RB#0+1RB#74




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.570 GHz | 2.620 GHz | 300.000 kHz | 2.61919 GHz | 22.49 dBm | -7.51 dB |
| 2.620 GHz | 2.621 GHz | 300.000 kHz | 2.62001 GHz | -28.26 dBm | -18.26 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62101 GHz | -29.12 dBm | -19.12 dB |
| 2.625 GHz | 2.650 GHz | 1.000 MHz | 2.63366 GHz | -32.44 dBm | -19.44 dB |
| 2.650 GHz | 2.670 GHz | 1.000 MHz | 2.65079 GHz | -40.48 dBm | -15.48 dB |

Date: 24.APR.2020 08:14:32

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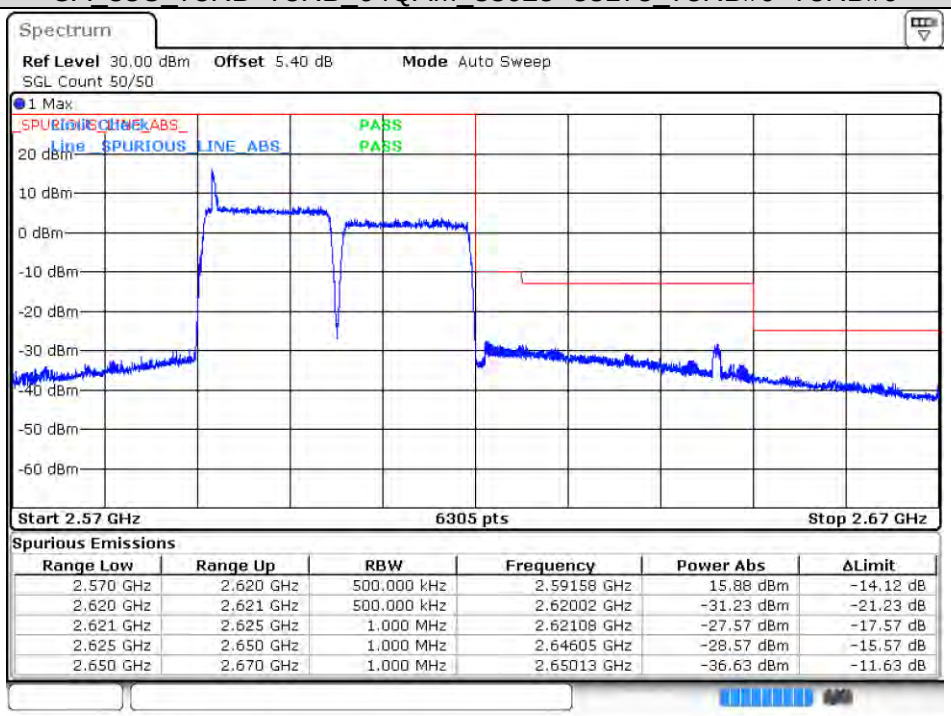
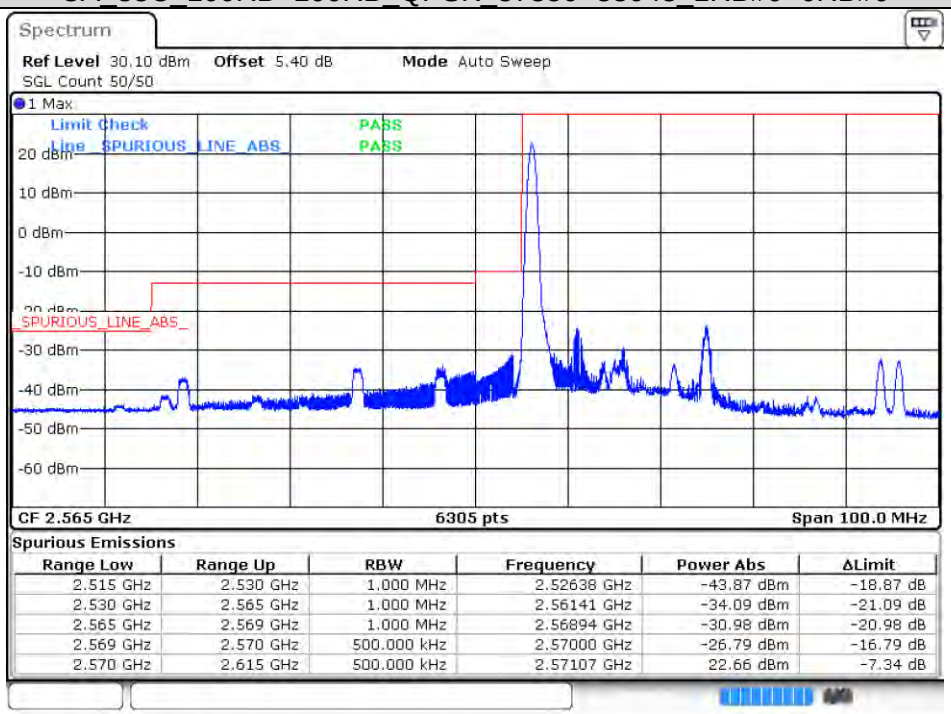



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.570 GHz | 2.620 GHz | 500.000 kHz | 2.59158 GHz | 15.88 dBm | -14.12 dB |
| 2.620 GHz | 2.621 GHz | 500.000 kHz | 2.62002 GHz | -31.23 dBm | -21.23 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62108 GHz | -27.57 dBm | -17.57 dB |
| 2.625 GHz | 2.650 GHz | 1.000 MHz | 2.64605 GHz | -28.57 dBm | -15.57 dB |
| 2.650 GHz | 2.670 GHz | 1.000 MHz | 2.65013 GHz | -36.63 dBm | -11.63 dB |

Date: 24.APR.2020 08:15:41

CA_38C_100RB+100RB_QPSK_37850+38048_1RB#0+0RB#0




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.515 GHz | 2.530 GHz | 1.000 MHz | 2.52638 GHz | -43.87 dBm | -18.87 dB |
| 2.530 GHz | 2.565 GHz | 1.000 MHz | 2.56141 GHz | -34.09 dBm | -21.09 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56894 GHz | -30.98 dBm | -20.98 dB |
| 2.569 GHz | 2.570 GHz | 500.000 kHz | 2.57000 GHz | -26.79 dBm | -16.79 dB |
| 2.570 GHz | 2.615 GHz | 500.000 kHz | 2.57107 GHz | 22.66 dBm | -7.34 dB |

Date: 24.APR.2020 08:16:20

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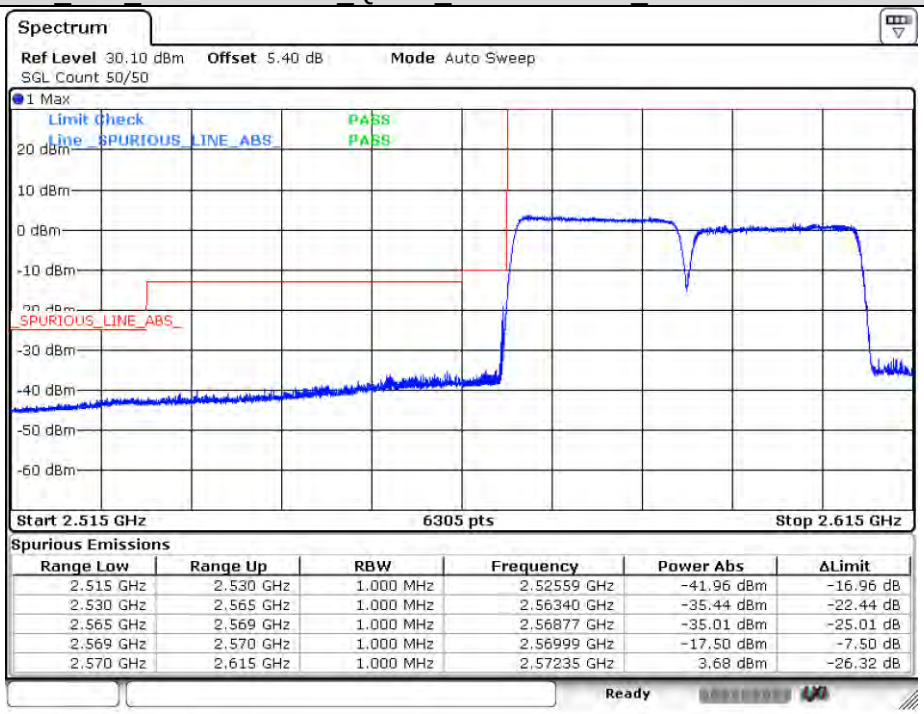
CA_38C_100RB+100RB_QPSK_37850+38048_100RB#0+100RB#0

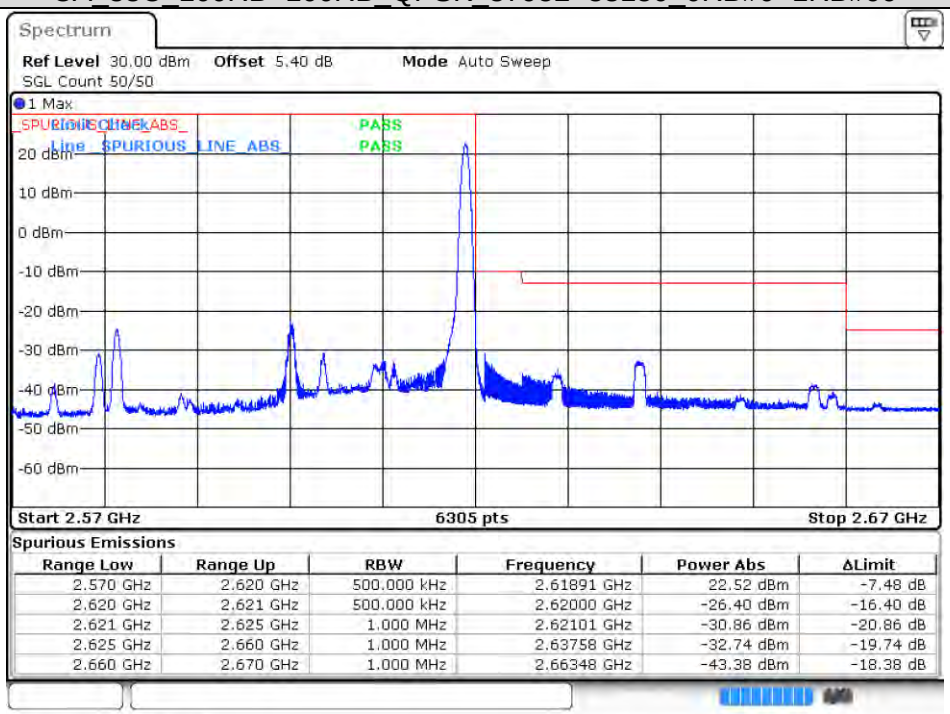



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.515 GHz | 2.530 GHz | 1.000 MHz | 2.52559 GHz | -41.96 dBm | -16.96 dB |
| 2.530 GHz | 2.565 GHz | 1.000 MHz | 2.56340 GHz | -35.44 dBm | -22.44 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56877 GHz | -35.01 dBm | -25.01 dB |
| 2.569 GHz | 2.570 GHz | 1.000 MHz | 2.56999 GHz | -17.50 dBm | -7.50 dB |
| 2.570 GHz | 2.615 GHz | 1.000 MHz | 2.57235 GHz | 3.68 dBm | -26.32 dB |

Date: 5.MAY.2020 12:19:53

CA_38C_100RB+100RB_QPSK_37952+38150_0RB#0+1RB#99




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.570 GHz | 2.620 GHz | 500.000 kHz | 2.61891 GHz | 22.52 dBm | -7.48 dB |
| 2.620 GHz | 2.621 GHz | 500.000 kHz | 2.62000 GHz | -26.40 dBm | -16.40 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62101 GHz | -30.86 dBm | -20.86 dB |
| 2.625 GHz | 2.660 GHz | 1.000 MHz | 2.63758 GHz | -32.74 dBm | -19.74 dB |
| 2.660 GHz | 2.670 GHz | 1.000 MHz | 2.66348 GHz | -43.38 dBm | -18.38 dB |

Date: 24.APR.2020 08:19:19

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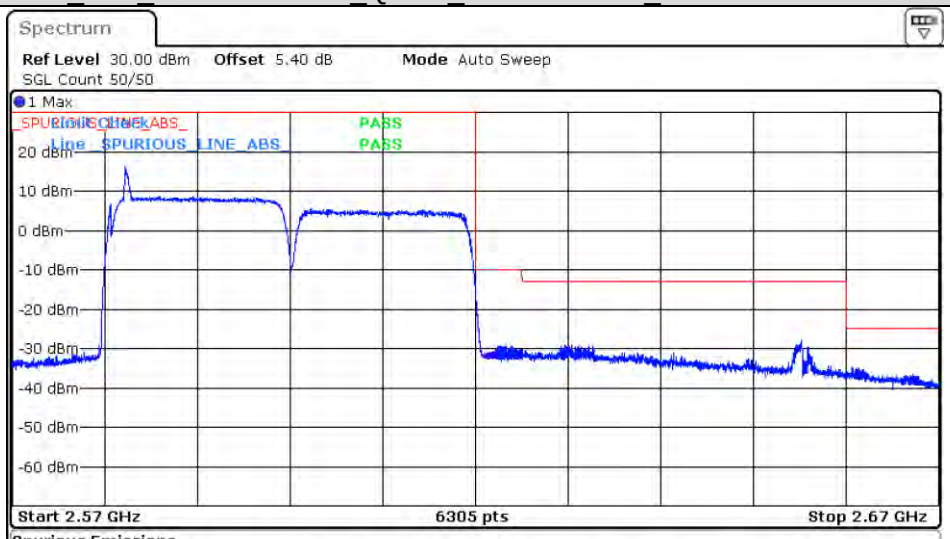
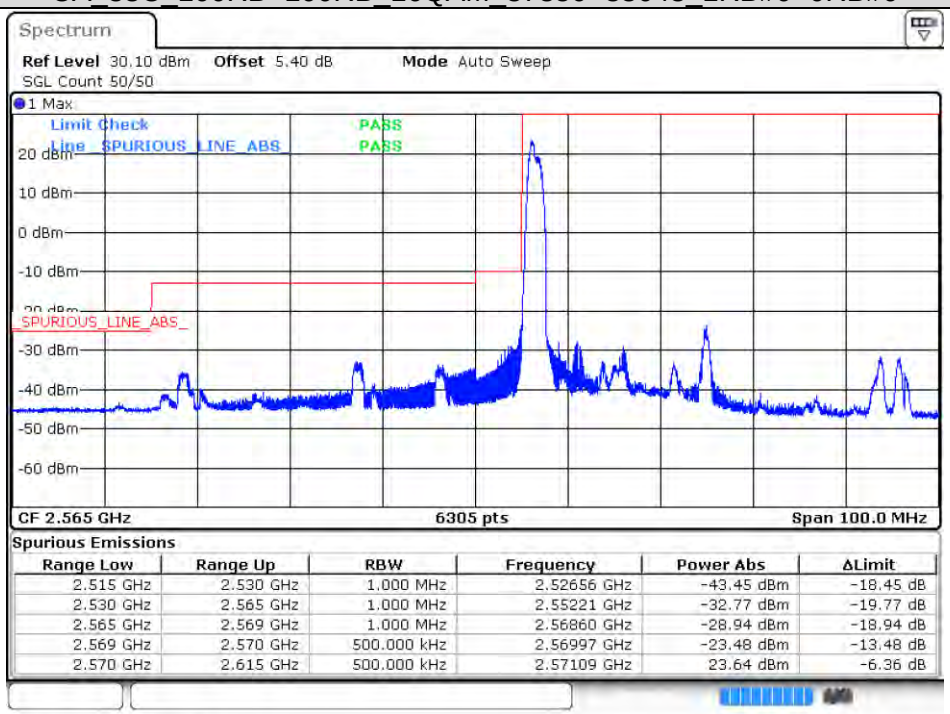



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.570 GHz | 2.620 GHz | 1.000 MHz | 2.58213 GHz | 16.19 dBm | -13.81 dB |
| 2.620 GHz | 2.621 GHz | 1.000 MHz | 2.62000 GHz | -16.11 dBm | -6.11 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62395 GHz | -29.41 dBm | -19.41 dB |
| 2.625 GHz | 2.660 GHz | 1.000 MHz | 2.65522 GHz | -27.87 dBm | -14.87 dB |
| 2.660 GHz | 2.670 GHz | 1.000 MHz | 2.66056 GHz | -34.79 dBm | -9.79 dB |

Date: 24.APR.2020 08:20:48

CA_38C_100RB+100RB_16QAM_37850+38048_1RB#0+0RB#0




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.515 GHz | 2.530 GHz | 1.000 MHz | 2.52656 GHz | -43.45 dBm | -18.45 dB |
| 2.530 GHz | 2.565 GHz | 1.000 MHz | 2.55221 GHz | -32.77 dBm | -19.77 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56860 GHz | -28.94 dBm | -18.94 dB |
| 2.569 GHz | 2.570 GHz | 500.000 kHz | 2.56997 GHz | -23.48 dBm | -13.48 dB |
| 2.570 GHz | 2.615 GHz | 500.000 kHz | 2.57109 GHz | 23.64 dBm | -6.36 dB |

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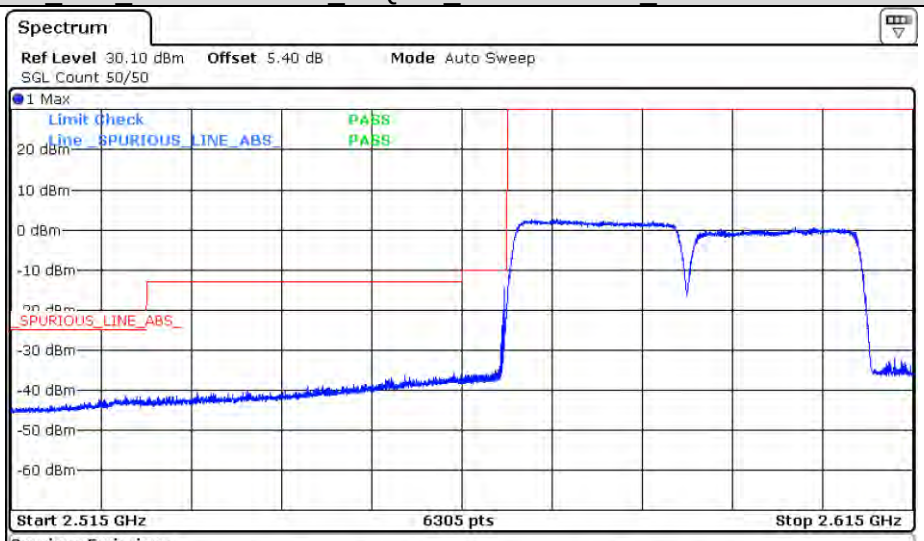
CA_38C_100RB+100RB_16QAM_37850+38048_100RB#0+100RB#0



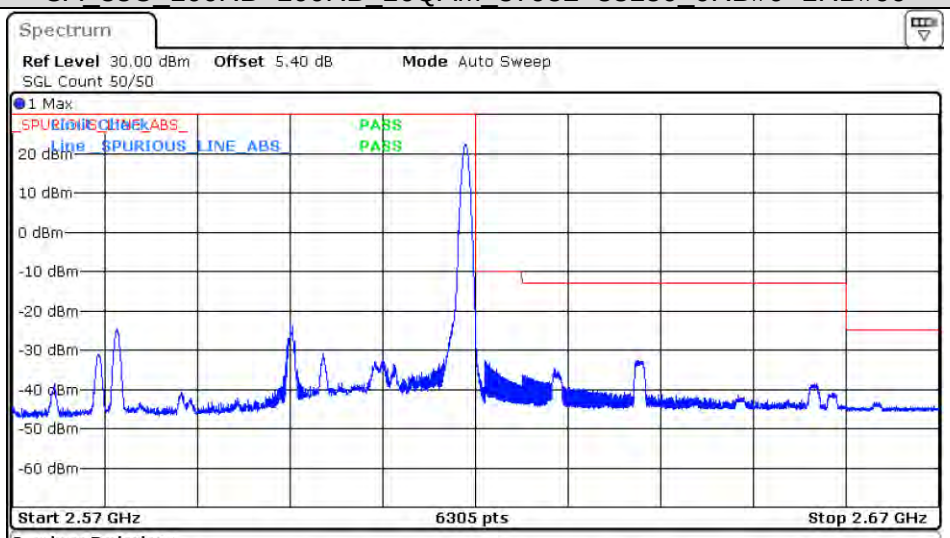

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.515 GHz | 2.530 GHz | 1.000 MHz | 2.52767 GHz | -41.52 dBm | -16.52 dB |
| 2.530 GHz | 2.565 GHz | 1.000 MHz | 2.56413 GHz | -35.80 dBm | -22.80 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56865 GHz | -35.16 dBm | -25.16 dB |
| 2.569 GHz | 2.570 GHz | 1.000 MHz | 2.56973 GHz | -14.35 dBm | -4.35 dB |
| 2.570 GHz | 2.615 GHz | 1.000 MHz | 2.57557 GHz | 2.66 dBm | -27.34 dB |

Ready

Date: 5.MAY.2020 12:18:56

CA_38C_100RB+100RB_16QAM_37952+38150_0RB#0+1RB#99




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.570 GHz | 2.620 GHz | 500.000 kHz | 2.61894 GHz | 22.36 dBm | -7.64 dB |
| 2.620 GHz | 2.621 GHz | 500.000 kHz | 2.62000 GHz | -26.22 dBm | -16.22 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62103 GHz | -32.59 dBm | -22.59 dB |
| 2.625 GHz | 2.660 GHz | 1.000 MHz | 2.63743 GHz | -32.60 dBm | -19.60 dB |
| 2.660 GHz | 2.670 GHz | 1.000 MHz | 2.66298 GHz | -43.42 dBm | -18.42 dB |

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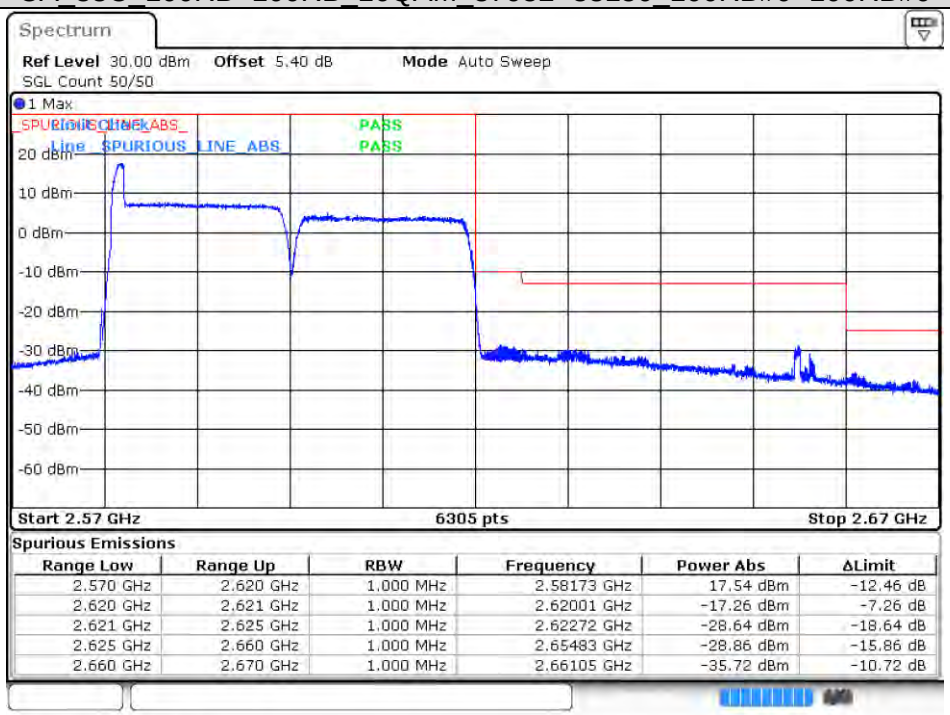


Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.570 GHz | 2.620 GHz | 1.000 MHz | 2.58173 GHz | 17.54 dBm | -12.46 dB |
| 2.620 GHz | 2.621 GHz | 1.000 MHz | 2.62001 GHz | -17.26 dBm | -7.26 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62272 GHz | -28.64 dBm | -18.64 dB |
| 2.625 GHz | 2.660 GHz | 1.000 MHz | 2.65483 GHz | -28.86 dBm | -15.86 dB |
| 2.660 GHz | 2.670 GHz | 1.000 MHz | 2.66105 GHz | -35.72 dBm | -10.72 dB |

Date: 24.APR.2020 08:21:17

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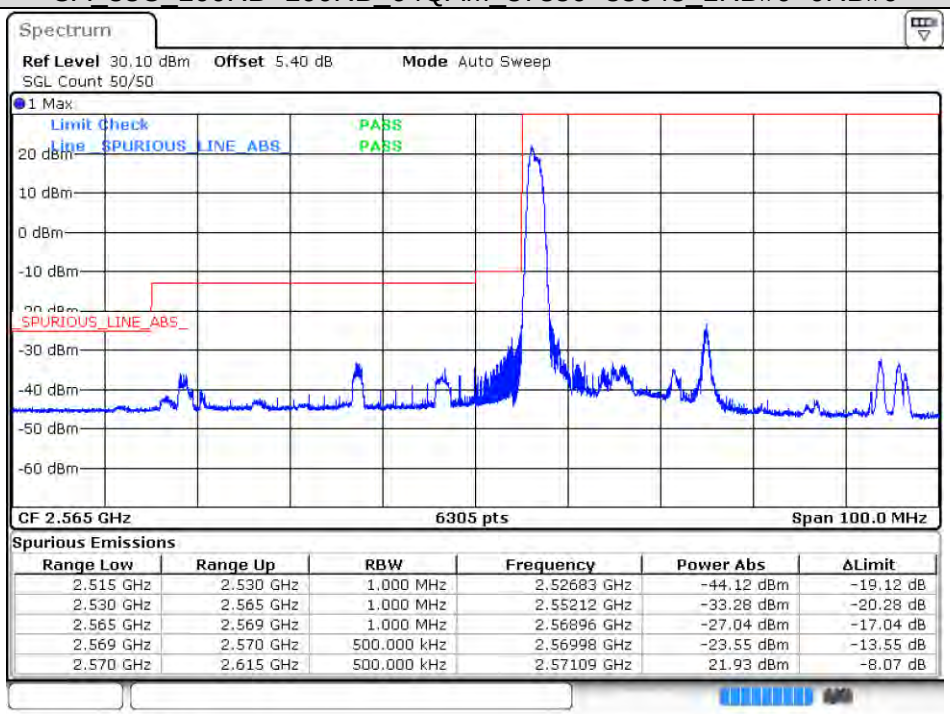


Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.515 GHz | 2.530 GHz | 1.000 MHz | 2.52683 GHz | -44.12 dBm | -19.12 dB |
| 2.530 GHz | 2.565 GHz | 1.000 MHz | 2.55212 GHz | -33.28 dBm | -20.28 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56896 GHz | -27.04 dBm | -17.04 dB |
| 2.569 GHz | 2.570 GHz | 500.000 kHz | 2.56998 GHz | -23.55 dBm | -13.55 dB |
| 2.570 GHz | 2.615 GHz | 500.000 kHz | 2.57109 GHz | 21.93 dBm | -8.07 dB |

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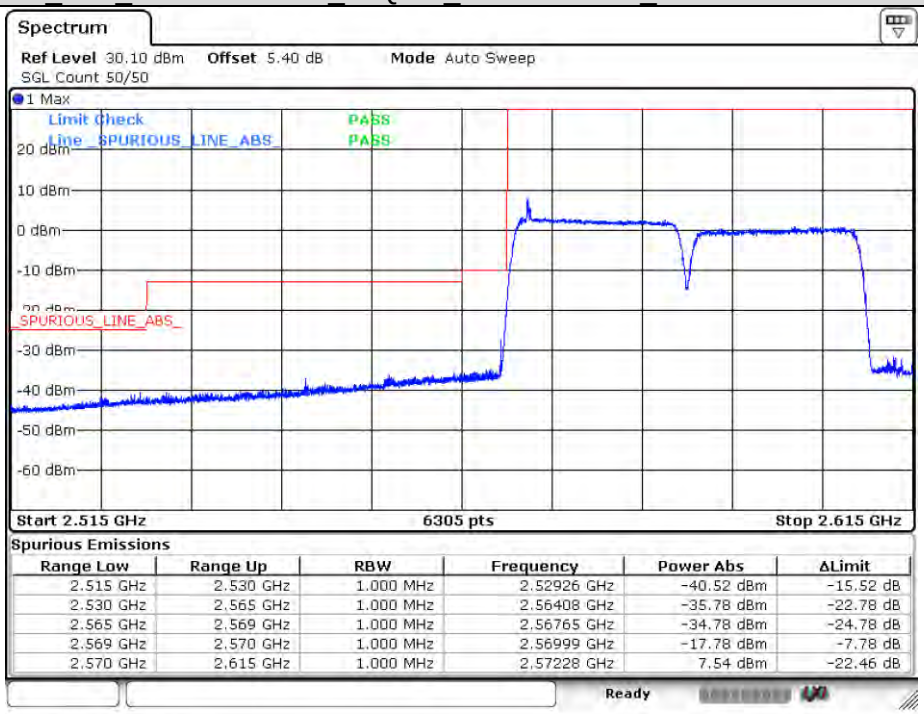


Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.515 GHz | 2.530 GHz | 1.000 MHz | 2.52926 GHz | -40.52 dBm | -15.52 dB |
| 2.530 GHz | 2.565 GHz | 1.000 MHz | 2.56408 GHz | -35.78 dBm | -22.78 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56765 GHz | -34.78 dBm | -24.78 dB |
| 2.569 GHz | 2.570 GHz | 1.000 MHz | 2.56999 GHz | -17.78 dBm | -7.78 dB |
| 2.570 GHz | 2.615 GHz | 1.000 MHz | 2.57228 GHz | 7.54 dBm | -22.46 dB |

Date: 5.MAY.2020 12:15:12

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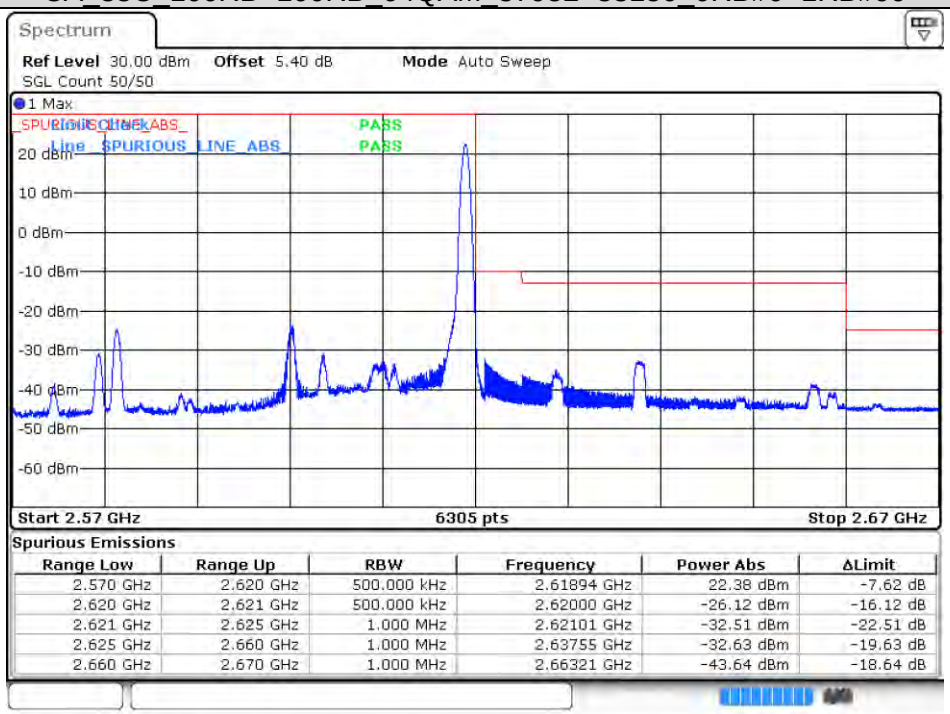


Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.570 GHz | 2.620 GHz | 500.000 kHz | 2.61894 GHz | 22.38 dBm | -7.62 dB |
| 2.620 GHz | 2.621 GHz | 500.000 kHz | 2.62000 GHz | -26.12 dBm | -16.12 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62101 GHz | -32.51 dBm | -22.51 dB |
| 2.625 GHz | 2.660 GHz | 1.000 MHz | 2.63755 GHz | -32.63 dBm | -19.63 dB |
| 2.660 GHz | 2.670 GHz | 1.000 MHz | 2.66321 GHz | -43.64 dBm | -18.64 dB |

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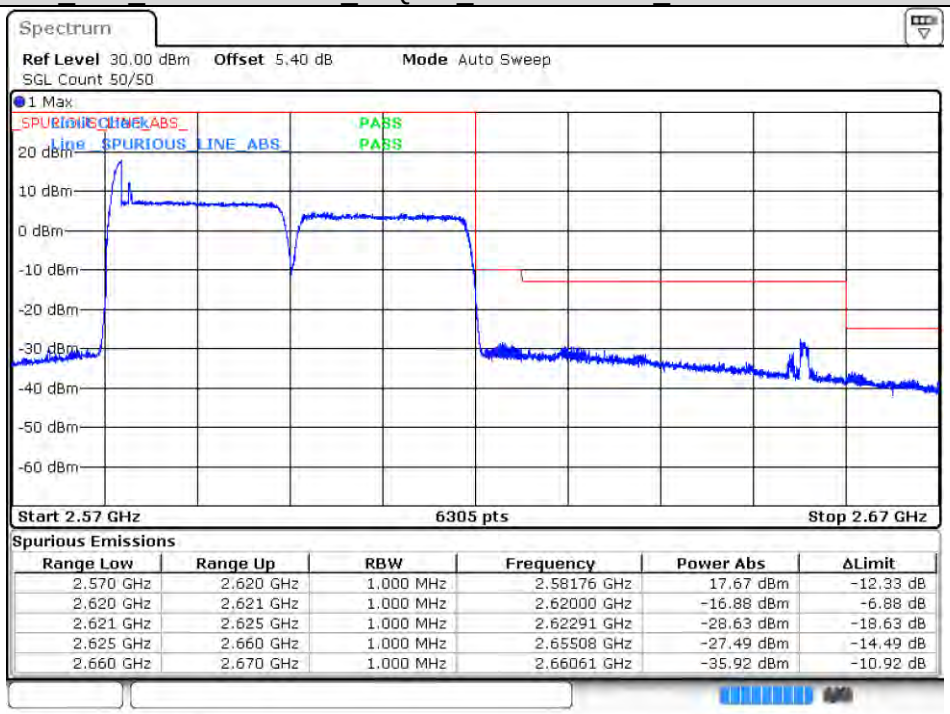


Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.570 GHz | 2.620 GHz | 1.000 MHz | 2.58176 GHz | 17.67 dBm | -12.33 dB |
| 2.620 GHz | 2.621 GHz | 1.000 MHz | 2.62000 GHz | -16.88 dBm | -6.88 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62291 GHz | -28.63 dBm | -18.63 dB |
| 2.625 GHz | 2.660 GHz | 1.000 MHz | 2.65508 GHz | -27.49 dBm | -14.49 dB |
| 2.660 GHz | 2.670 GHz | 1.000 MHz | 2.66061 GHz | -35.92 dBm | -10.92 dB |

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# 6 Spurious Emission at Antenna Terminal

NOTE: 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.

Part I - Test Plots

## 6.1 For LTE

### 6.1.1 Test Band = LTE Band CA_38C

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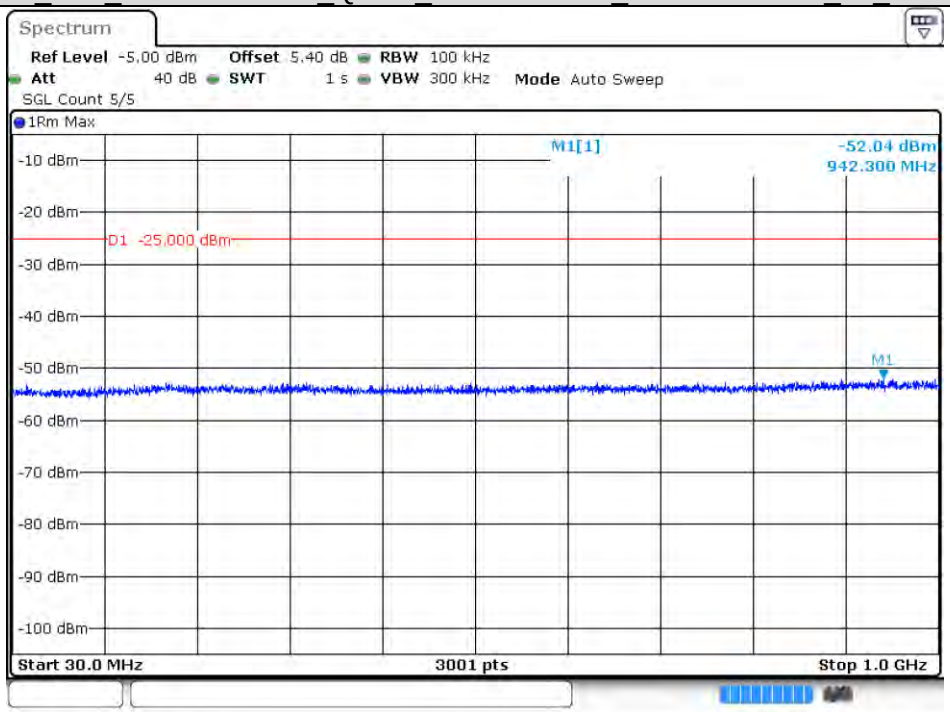


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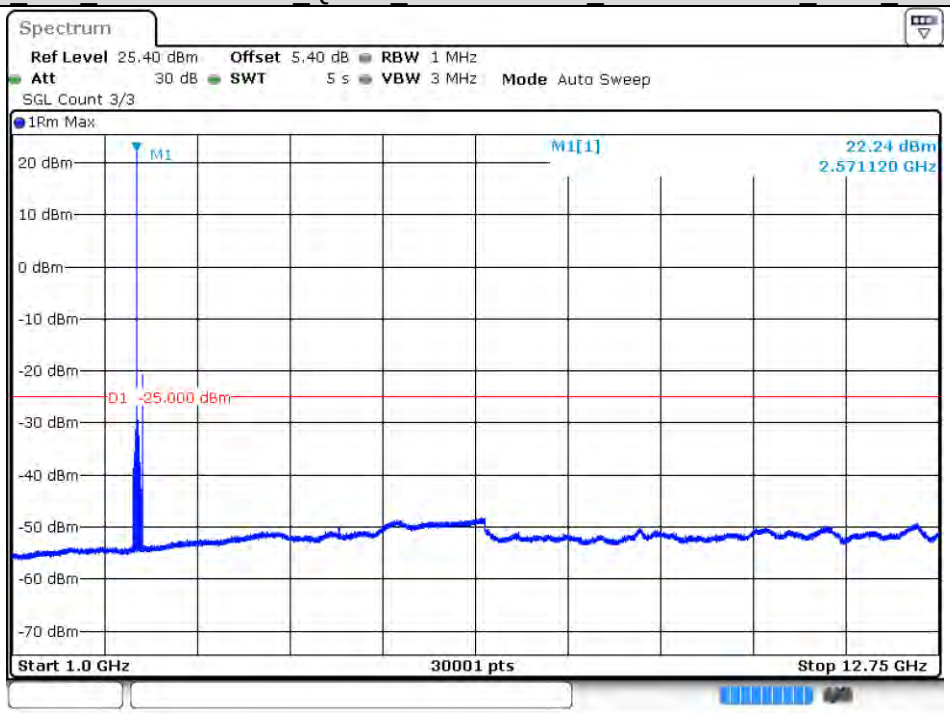


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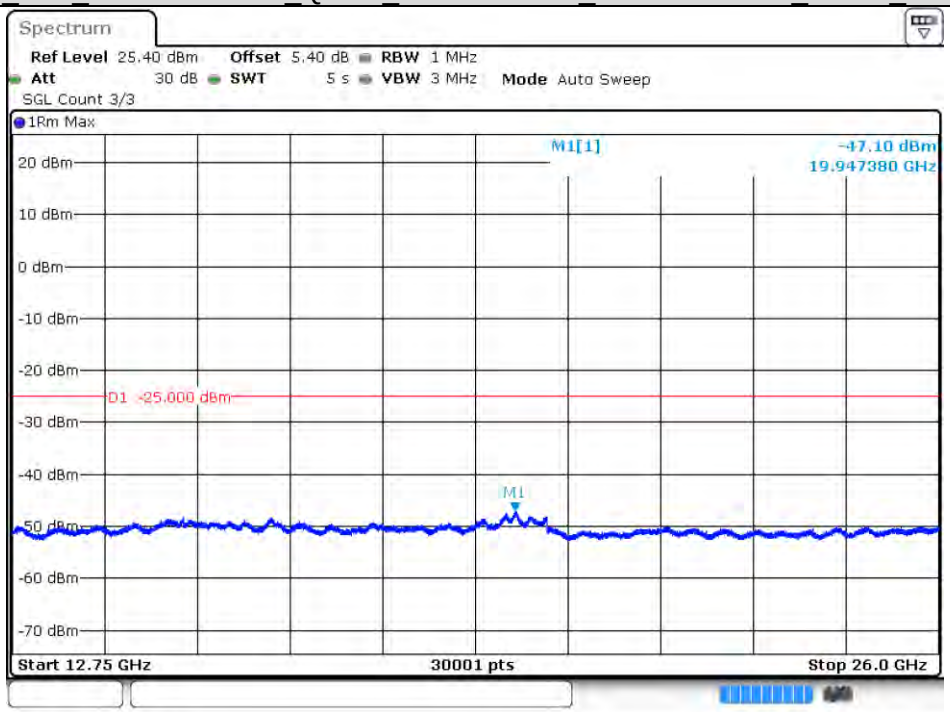


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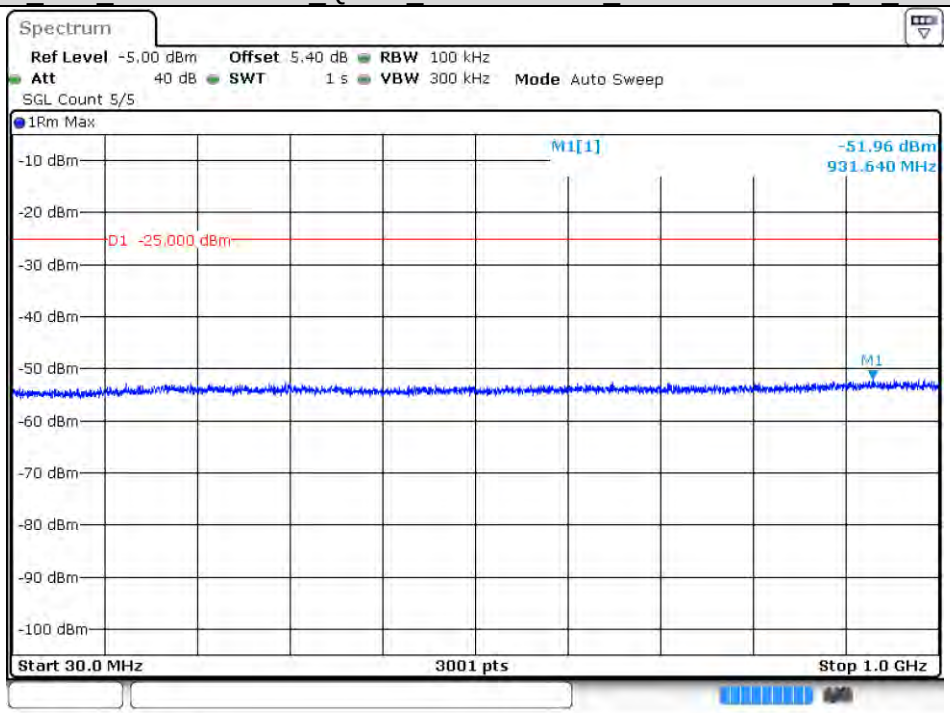


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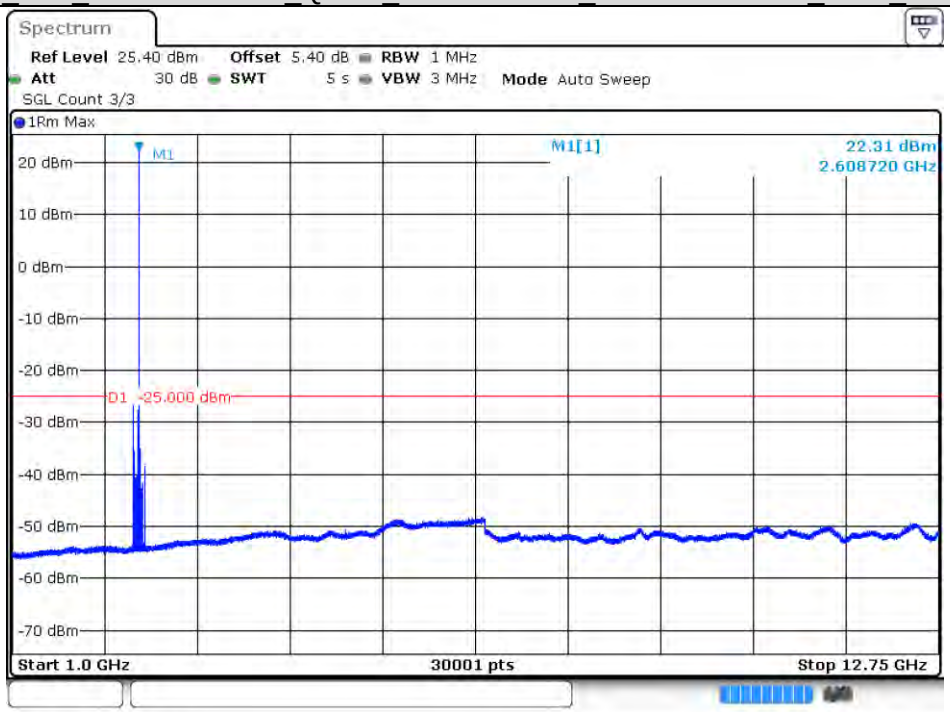


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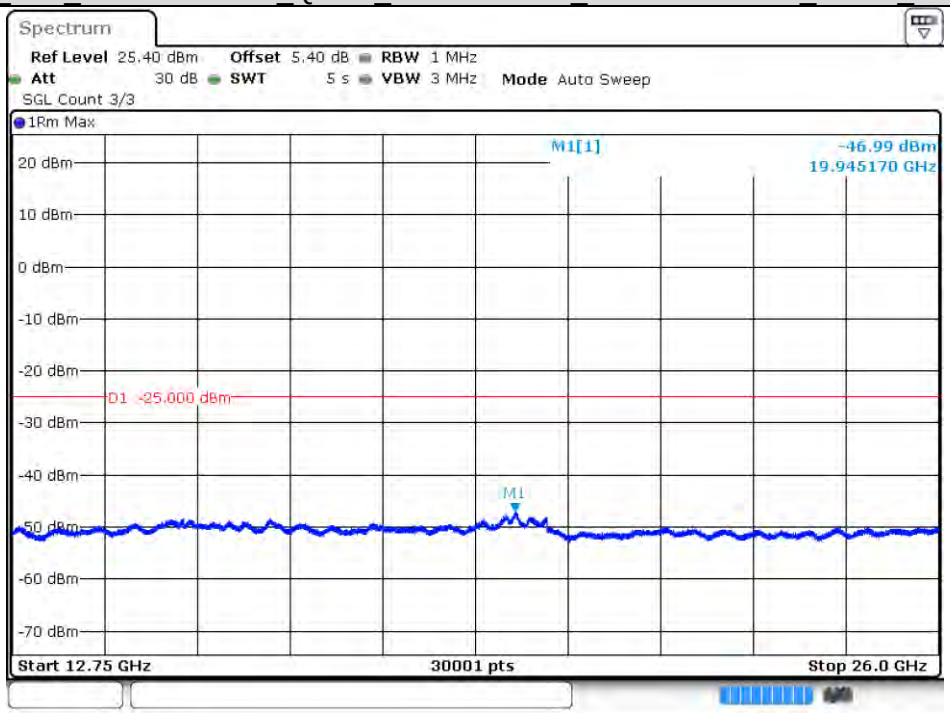


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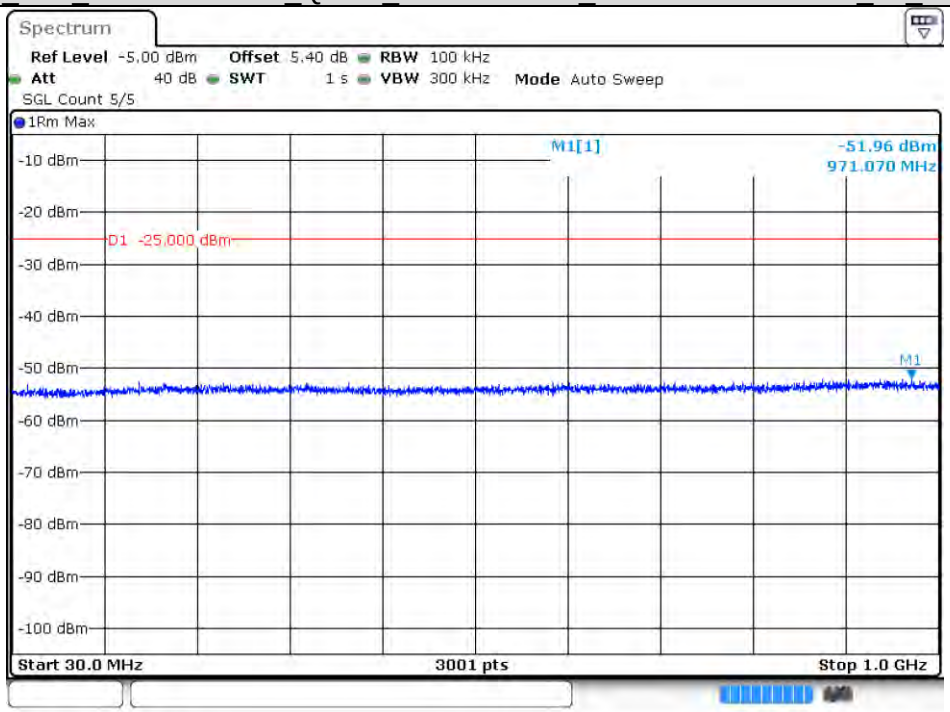


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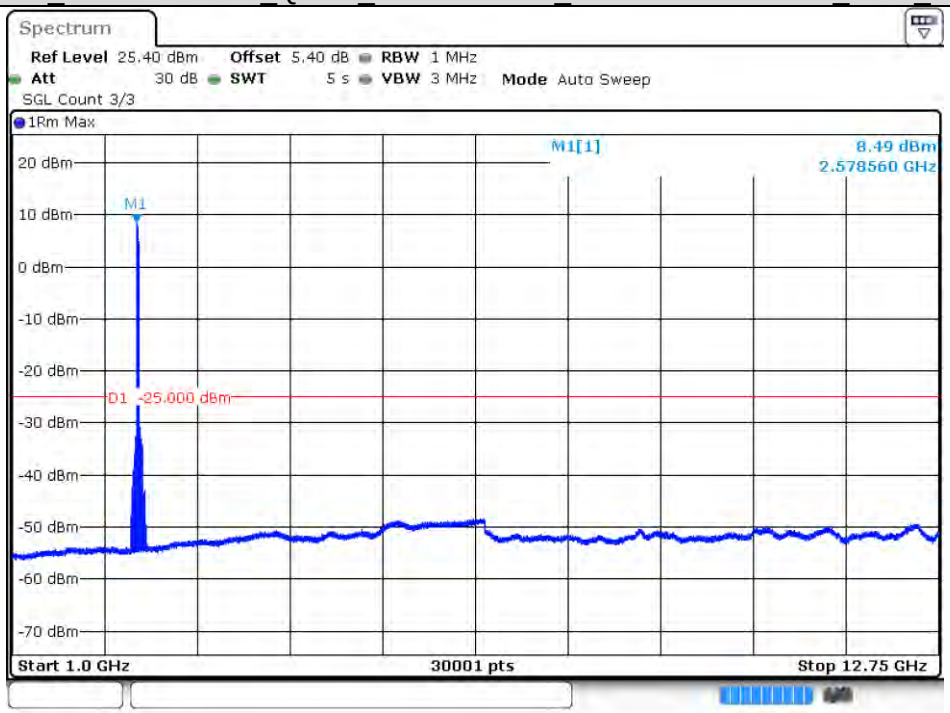


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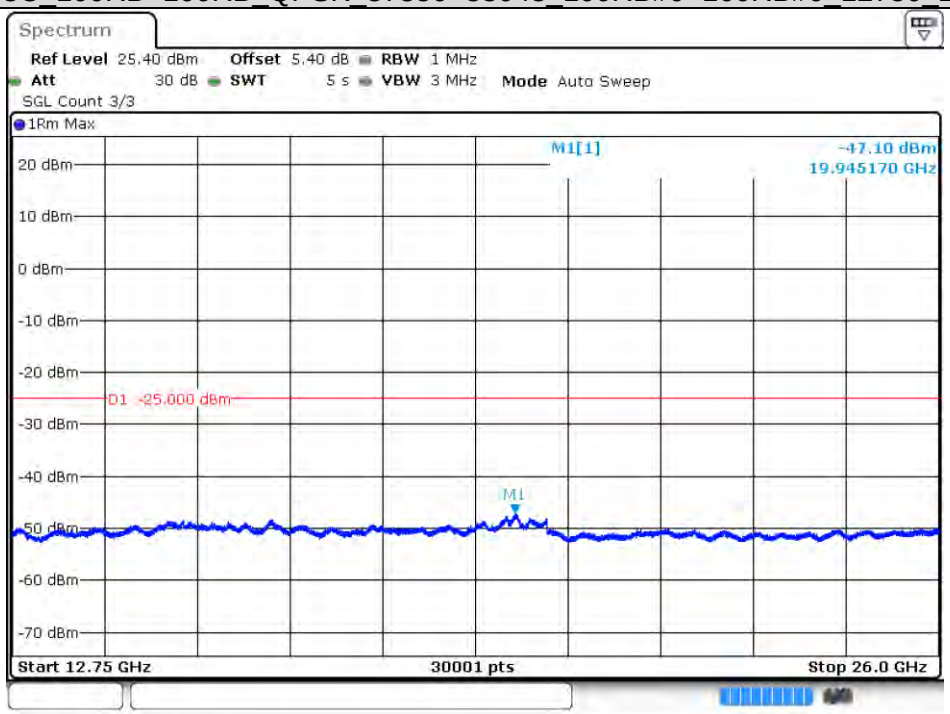


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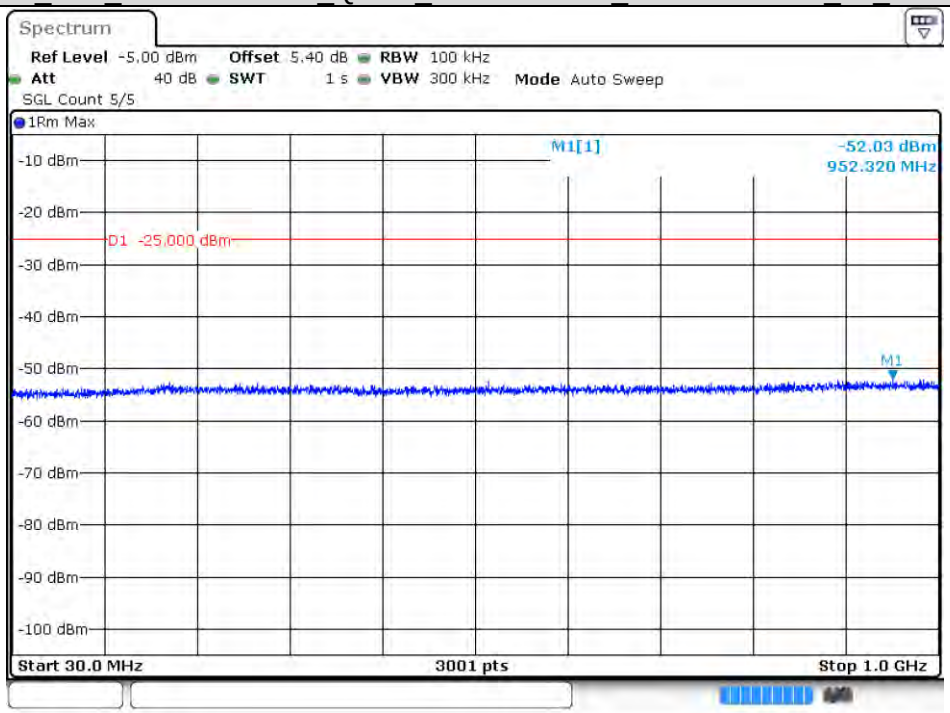


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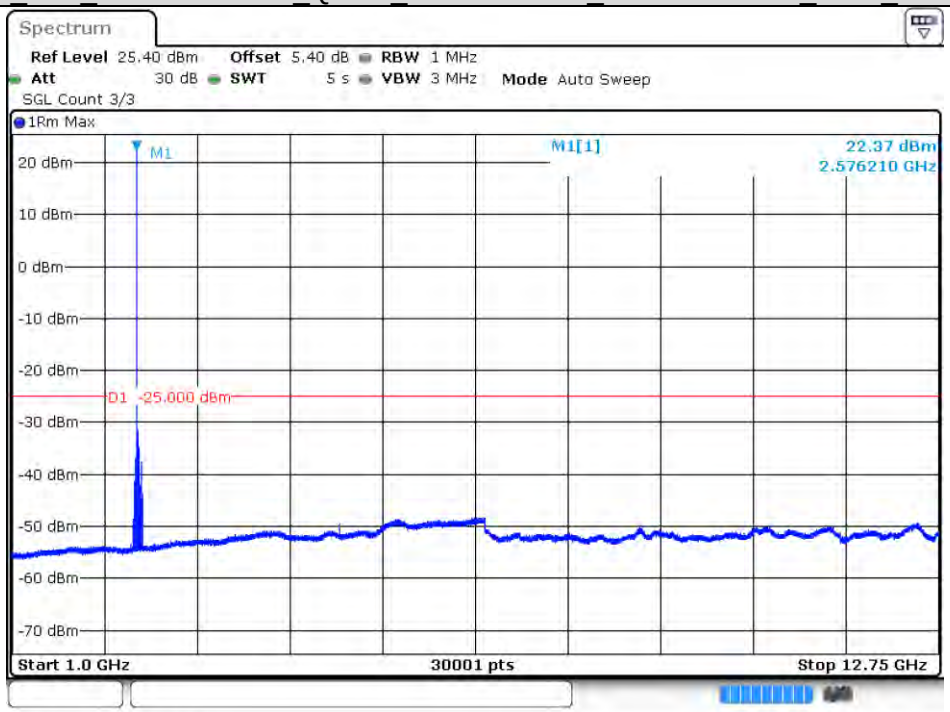


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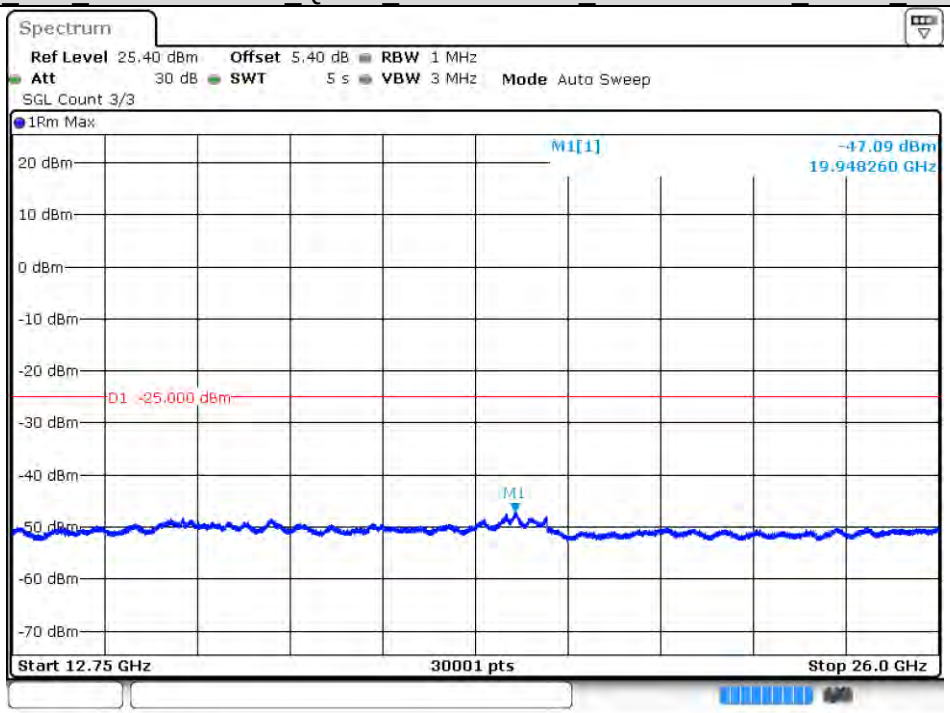


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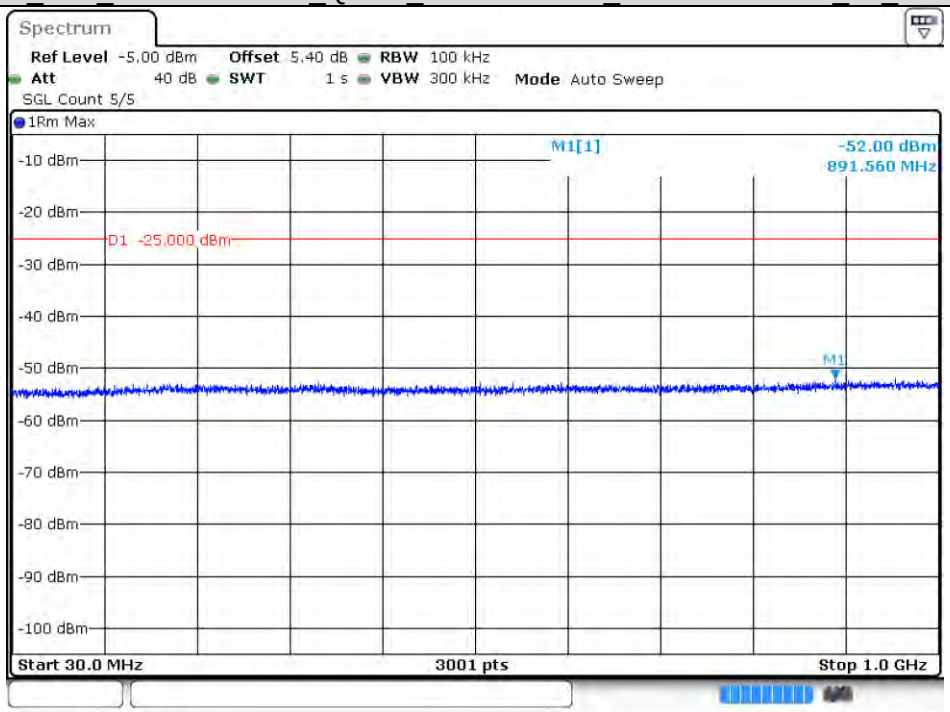


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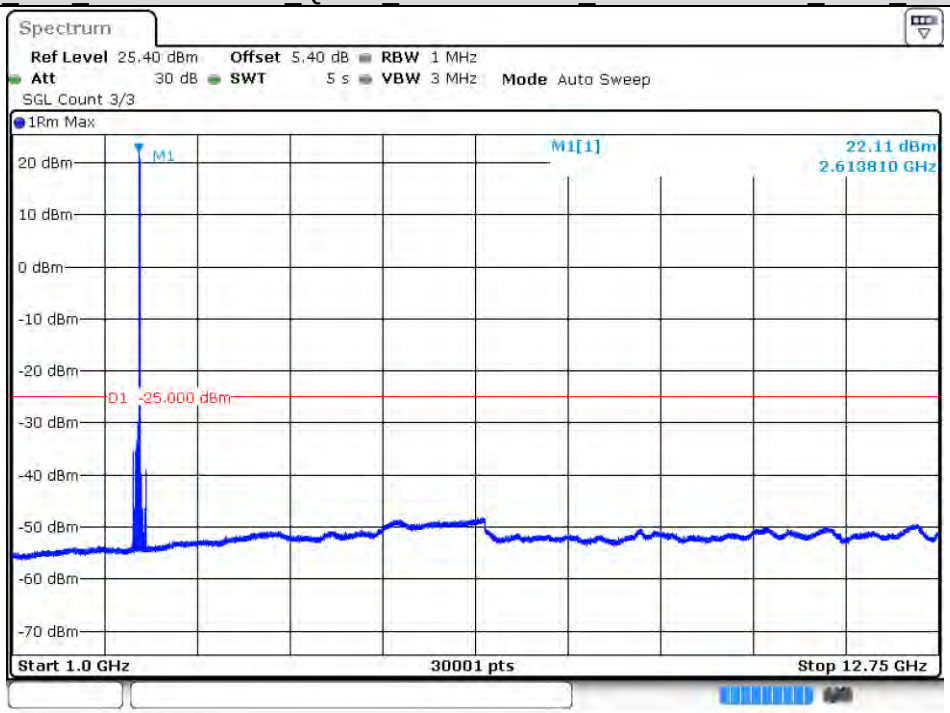


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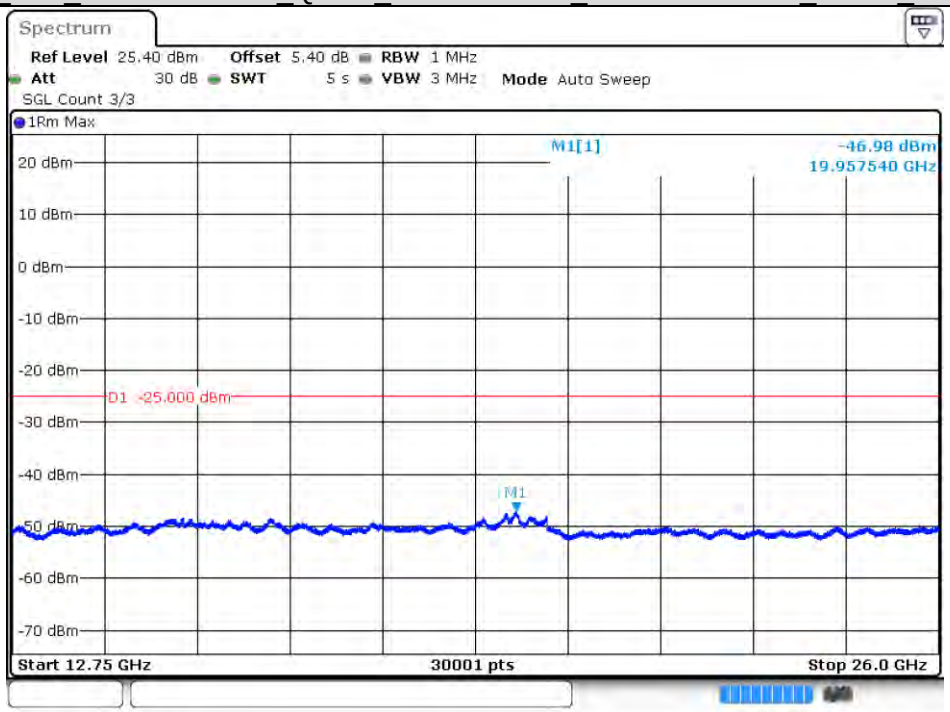


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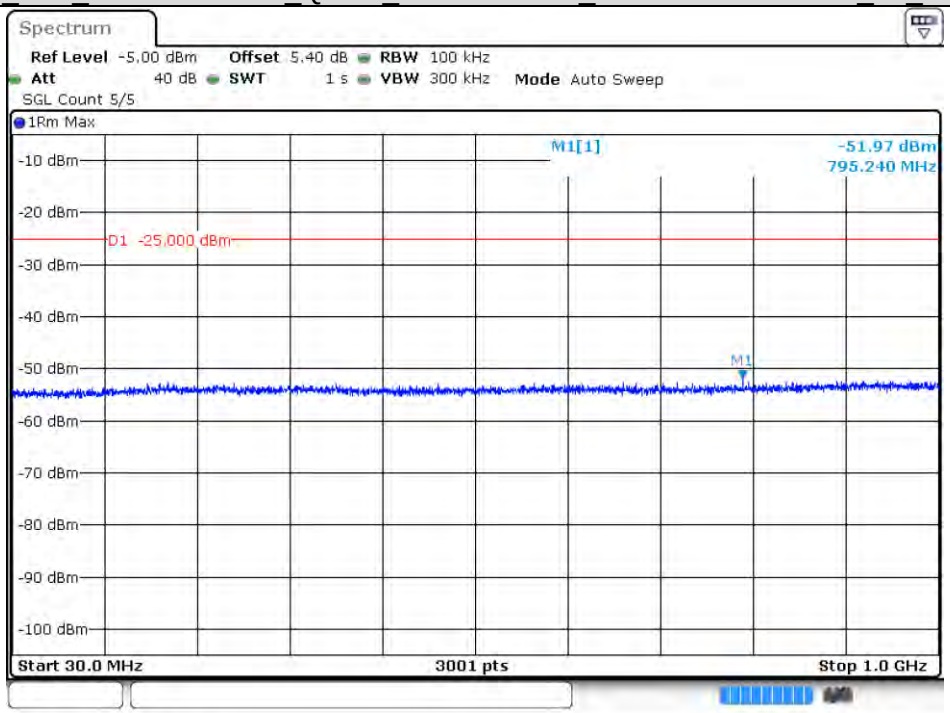


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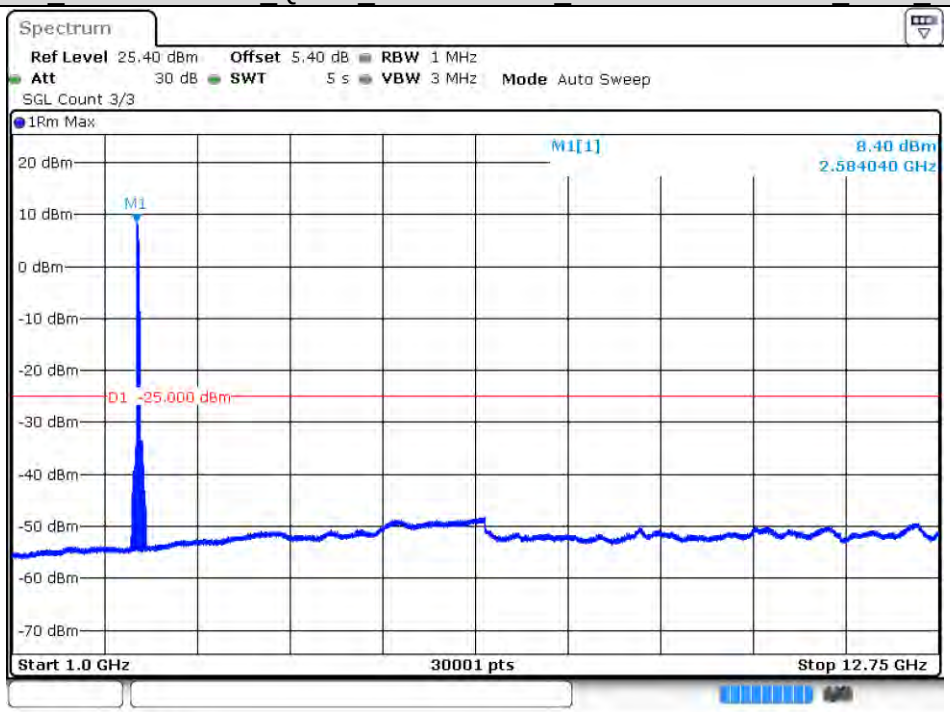


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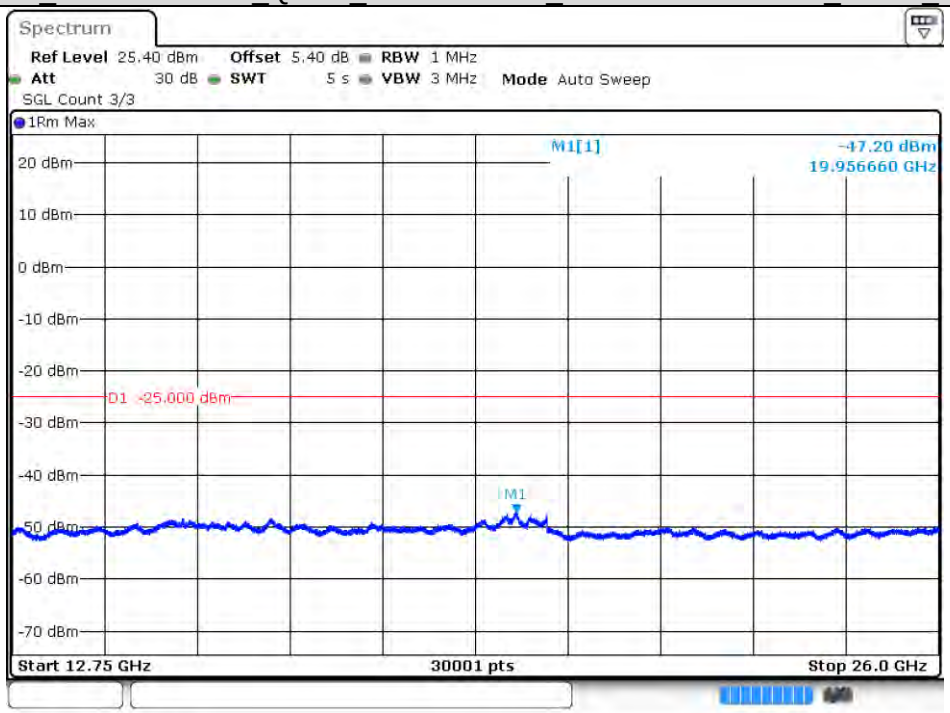


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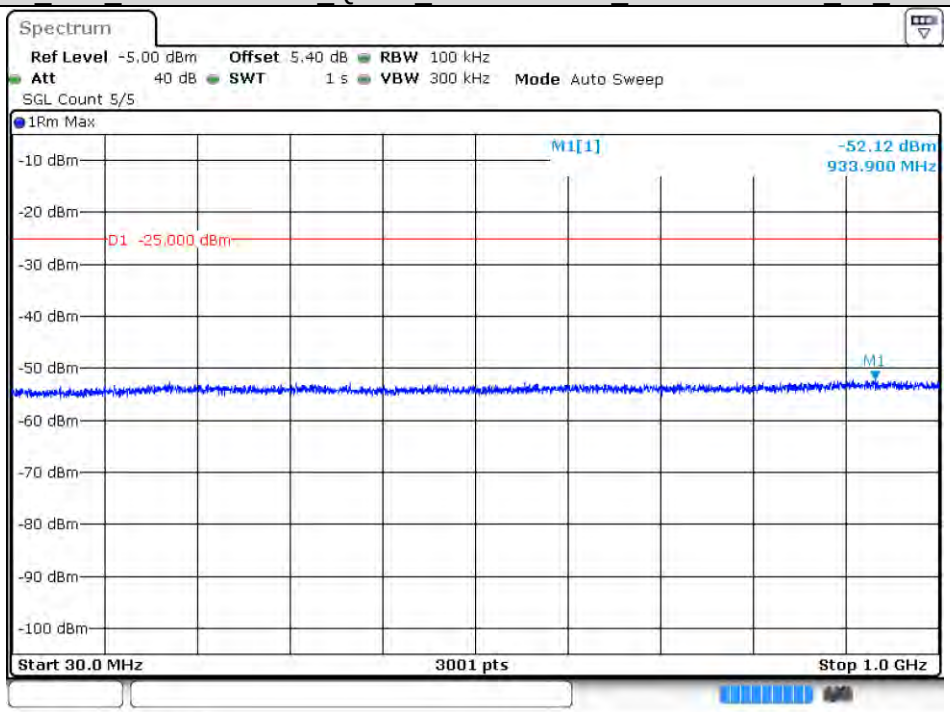


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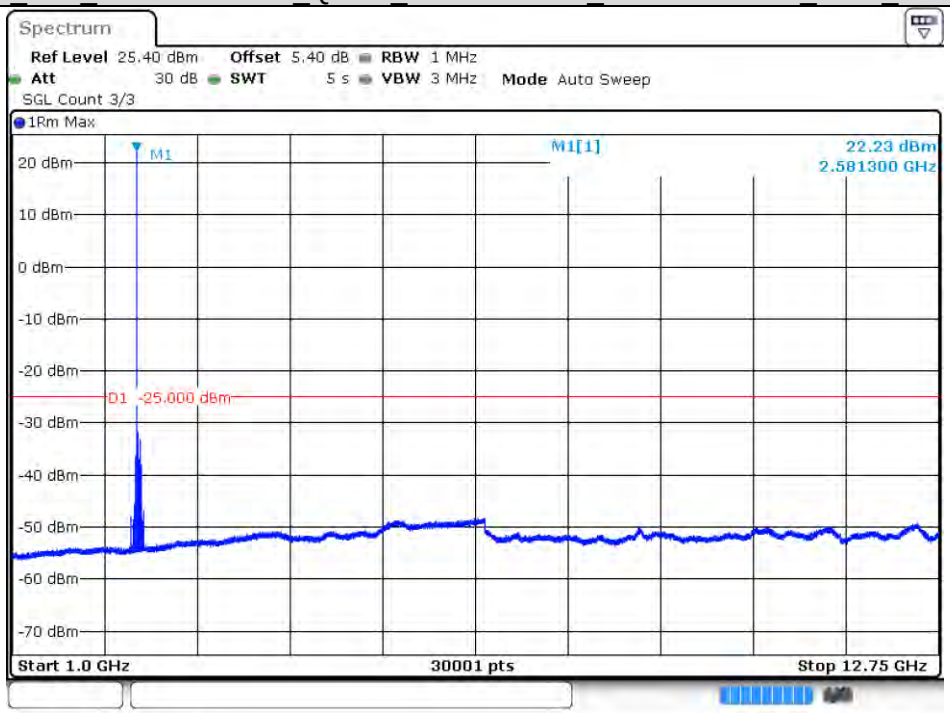


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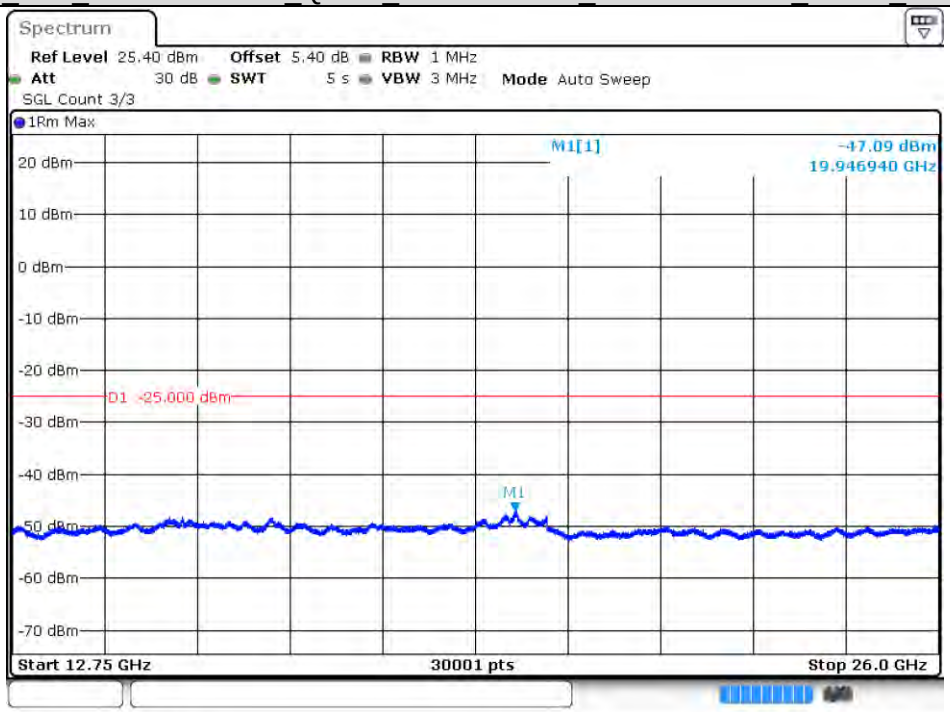


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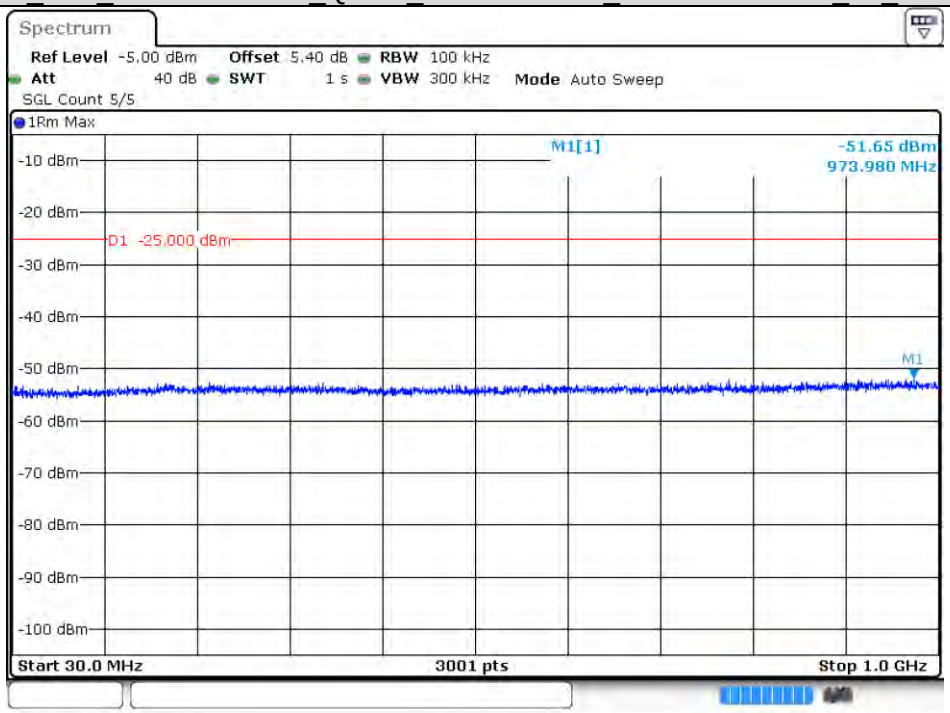


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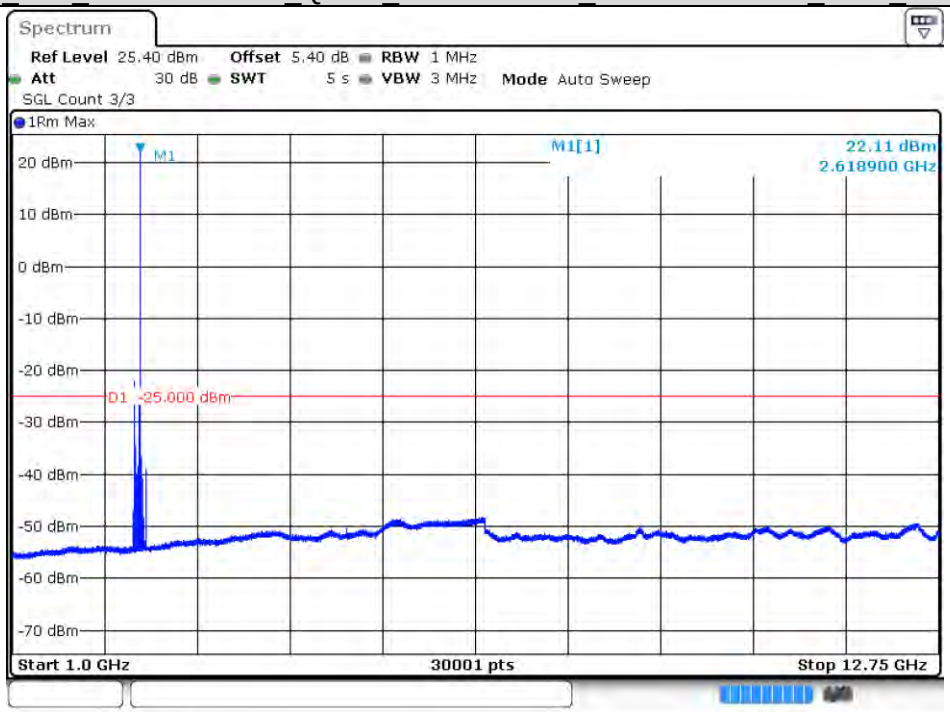


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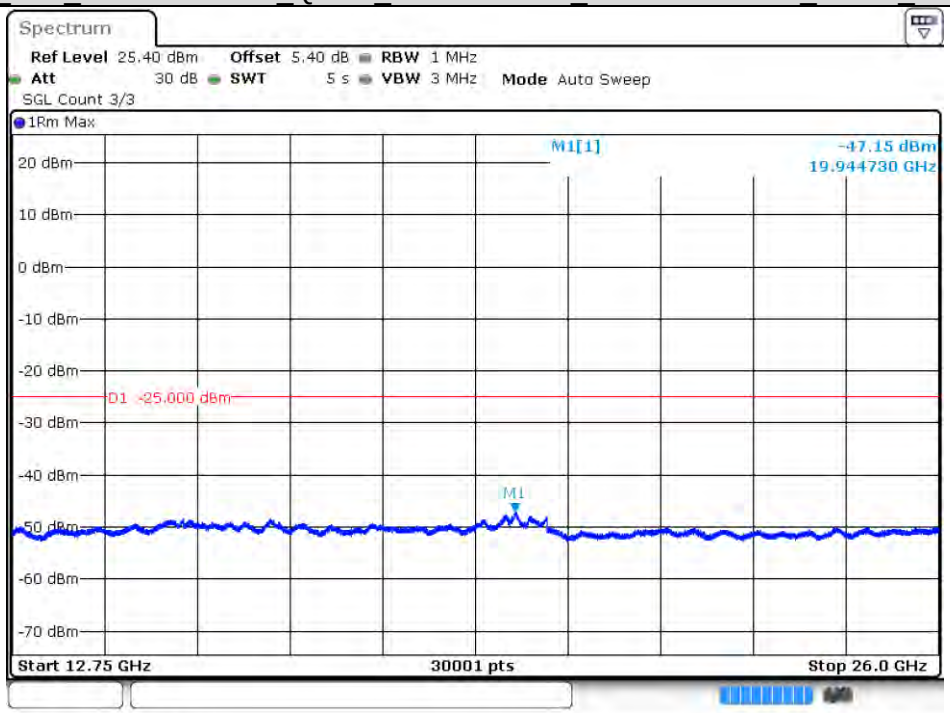


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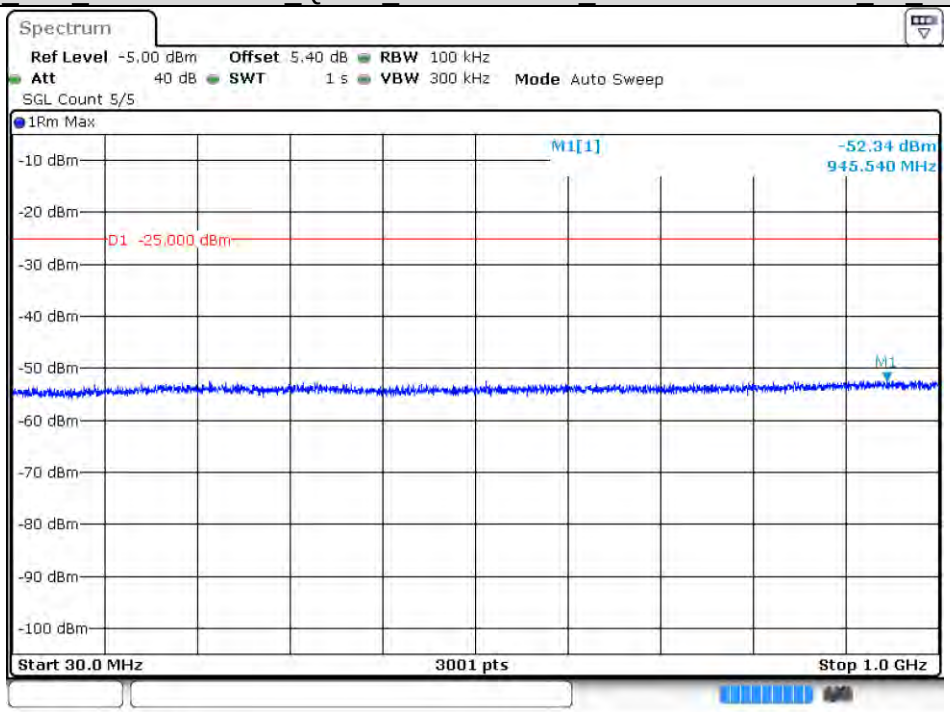


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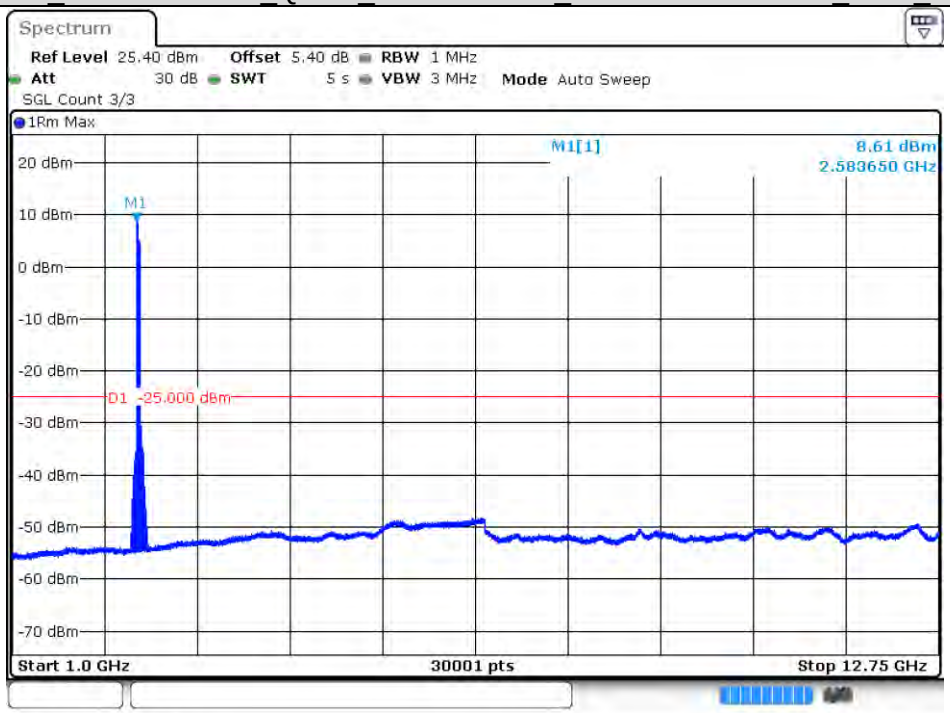


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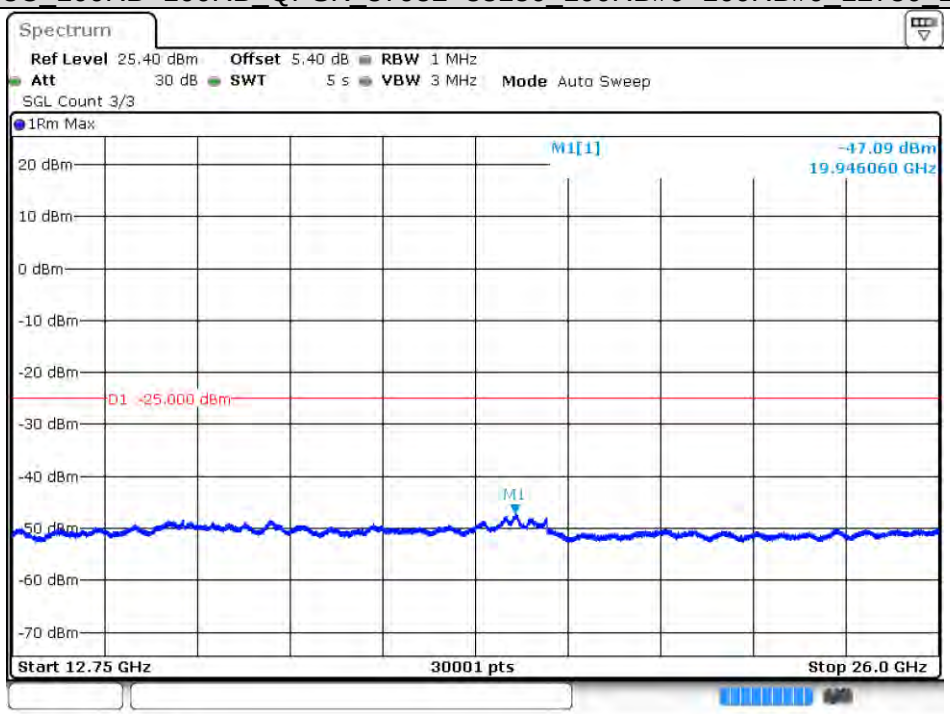


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# 7 Field Strength of Spurious Radiation

## 7.1 For LTE UL CA

### 7.1.1 Test Band = LTE Band CA_38C (Down Ant)

#### 7.1.1.1 Test Mode =LTE/QPSK

##### 7.1.1.1.1 Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|---|---|---|---|---|
| 56.250000 | -74.82 | -25.00 | 49.82 | Vertical |
| 334.900000 | -82.51 | -25.00 | 57.51 | Vertical |
| 940.875000 | -75.63 | -25.00 | 50.63 | Vertical |
| 5142.075000 | -65.27 | -25.00 | 40.27 | Vertical |
| 7792.775000 | -62.75 | -25.00 | 37.75 | Vertical |
| 10646.275000 | -61.48 | -25.00 | 36.48 | Vertical |
| 56.950000 | -73.85 | -25.00 | 48.85 | Horizontal |
| 619.583333 | -80.32 | -25.00 | 55.32 | Horizontal |
| 954.304167 | -75.09 | -25.00 | 50.09 | Horizontal |
| 5131.350000 | -65.42 | -25.00 | 40.42 | Horizontal |
| 7808.375000 | -62.59 | -25.00 | 37.59 | Horizontal |
| 10326.800000 | -62.42 | -25.00 | 37.42 | Horizontal |

##### 7.1.1.1.2 Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|---|---|---|---|---|
| 56.500000 | -75.05 | -25.00 | 50.05 | Vertical |
| 328.850000 | -82.62 | -25.00 | 57.62 | Vertical |
| 945.733333 | -75.43 | -25.00 | 50.43 | Vertical |
| 5143.700000 | -65.54 | -25.00 | 40.54 | Vertical |
| 7712.500000 | -62.54 | -25.00 | 37.54 | Vertical |
| 10320.300000 | -61.89 | -25.00 | 36.89 | Vertical |
| 56.050000 | -72.43 | -25.00 | 47.43 | Horizontal |
| 620.912500 | -80.21 | -25.00 | 55.21 | Horizontal |
| 961.270833 | -75.22 | -25.00 | 50.22 | Horizontal |
| 5077.725000 | -65.43 | -25.00 | 40.43 | Horizontal |
| 7828.850000 | -62.81 | -25.00 | 37.81 | Horizontal |
| 10629.375000 | -61.62 | -25.00 | 36.62 | Horizontal |

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#### 7.1.1.1.3 Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|---|---|---|---|---|
| 56.550000 | -76.69 | -25.00 | 51.69 | Vertical |
| 361.750000 | -82.85 | -25.00 | 57.85 | Vertical |
| 944.770833 | -75.42 | -25.00 | 50.42 | Vertical |
| 5162.550000 | -65.01 | -25.00 | 40.01 | Vertical |
| 7830.800000 | -62.60 | -25.00 | 37.60 | Vertical |
| 10651.800000 | -61.01 | -25.00 | 36.01 | Vertical |
| 55.150000 | -74.82 | -25.00 | 49.82 | Horizontal |
| 625.633333 | -80.26 | -25.00 | 55.26 | Horizontal |
| 958.520833 | -75.12 | -25.00 | 50.12 | Horizontal |
| 5288.975000 | -65.70 | -25.00 | 40.70 | Horizontal |
| 7743.375000 | -62.74 | -25.00 | 37.74 | Horizontal |
| 10270.900000 | -62.37 | -25.00 | 37.37 | Horizontal |

Remark:

1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.

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

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# 8 Frequency Stability

## 8.1 Frequency Error VS. Voltage

| Test Band | Test Mode | Test Channel | RB Config | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|---|---|---|---|---|---|---|---|---|
| CA_38C | QPSK | 37850+38048 | 100RB#0/100RB#0 | TN | LV | -6.49 | -0.002514 | PASS |
| CA_38C | QPSK | 37850+38048 | 100RB#0/100RB#0 | TN | NV | -1.04 | -0.000404 | PASS |
| CA_38C | QPSK | 37850+38048 | 100RB#0/100RB#0 | TN | HV | -9.10 | -0.003527 | PASS |
| CA_38C | QPSK | 37901+38099 | 100RB#0/100RB#0 | TN | LV | -5.29 | -0.002045 | PASS |
| CA_38C | QPSK | 37901+38099 | 100RB#0/100RB#0 | TN | NV | 8.81 | 0.003407 | PASS |
| CA_38C | QPSK | 37901+38099 | 100RB#0/100RB#0 | TN | HV | -8.47 | -0.003275 | PASS |
| CA_38C | QPSK | 37952+38150 | 100RB#0/100RB#0 | TN | LV | 0.49 | 0.000188 | PASS |
| CA_38C | QPSK | 37952+38150 | 100RB#0/100RB#0 | TN | NV | -6.70 | -0.002587 | PASS |
| CA_38C | QPSK | 37952+38150 | 100RB#0/100RB#0 | TN | HV | -3.92 | -0.001514 | PASS |
| CA_38C | 16QAM | 37850+38048 | 100RB#0/100RB#0 | TN | LV | 0.18 | 0.000071 | PASS |
| CA_38C | 16QAM | 37850+38048 | 100RB#0/100RB#0 | TN | NV | -4.35 | -0.001685 | PASS |
| CA_38C | 16QAM | 37850+38048 | 100RB#0/100RB#0 | TN | HV | -2.51 | -0.000971 | PASS |
| CA_38C | 16QAM | 37901+38099 | 100RB#0/100RB#0 | TN | LV | -3.32 | -0.001283 | PASS |
| CA_38C | 16QAM | 37901+38099 | 100RB#0/100RB#0 | TN | NV | 10.84 | 0.004194 | PASS |
| CA_38C | 16QAM | 37901+38099 | 100RB#0/100RB#0 | TN | HV | 11.43 | 0.004422 | PASS |
| CA_38C | 16QAM | 37952+38150 | 100RB#0/100RB#0 | TN | LV | 7.40 | 0.002856 | PASS |
| CA_38C | 16QAM | 37952+38150 | 100RB#0/100RB#0 | TN | NV | 0.47 | 0.000182 | PASS |
| CA_38C | 16QAM | 37952+38150 | 100RB#0/100RB#0 | TN | HV | 3.10 | 0.001198 | PASS |
| CA_38C | 64QAM | 37850+38048 | 100RB#0/100RB#0 | TN | LV | 2.21 | 0.000857 | PASS |
| CA_38C | 64QAM | 37850+38048 | 100RB#0/100RB#0 | TN | NV | -4.41 | -0.001708 | PASS |
| CA_38C | 64QAM | 37850+38048 | 100RB#0/100RB#0 | TN | HV | -8.19 | -0.003173 | PASS |
| CA_38C | 64QAM | 37901+38099 | 100RB#0/100RB#0 | TN | LV | 3.65 | 0.001411 | PASS |
| CA_38C | 64QAM | 37901+38099 | 100RB#0/100RB#0 | TN | NV | -6.32 | -0.002445 | PASS |
| CA_38C | 64QAM | 37901+38099 | 100RB#0/100RB#0 | TN | HV | -6.59 | -0.002551 | PASS |
| CA_38C | 64QAM | 37952+38150 | 100RB#0/100RB#0 | TN | LV | -1.49 | -0.000575 | PASS |
| CA_38C | 64QAM | 37952+38150 | 100RB#0/100RB#0 | TN | NV | -1.15 | -0.000444 | PASS |
| CA_38C | 64QAM | 37952+38150 | 100RB#0/100RB#0 | TN | HV | -11.53 | -0.004453 | PASS |

## 8.2 Frequency Error VS. Temperature

| Test Band | Test Mode | Test Channel | RB Config | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|---|---|---|---|---|---|---|---|---|
| CA_38C | QPSK | 37850+38048 | 100RB#0/100RB#0 | NV | -30 | -10.62 | -0.004115 | PASS |
| CA_38C | QPSK | 37850+38048 | 100RB#0/100RB#0 | NV | -20 | 4.71 | 0.001824 | PASS |
| CA_38C | QPSK | 37850+38048 | 100RB#0/100RB#0 | NV | -10 | -9.07 | -0.003516 | PASS |
| CA_38C | QPSK | 37850+38048 | 100RB#0/100RB#0 | NV | 0 | 4.05 | 0.001570 | PASS |
| CA_38C | QPSK | 37850+38048 | 100RB#0/100RB#0 | NV | 10 | -2.60 | -0.001007 | PASS |
| CA_38C | QPSK | 37850+38048 | 100RB#0/100RB#0 | NV | 20 | 9.01 | 0.003491 | PASS |
| CA_38C | QPSK | 37850+38048 | 100RB#0/100RB#0 | NV | 30 | -12.08 | -0.004681 | PASS |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CA_38C | QPSK | 37850+38048 | 100RB#0/100RB#0 | NV | 40 | 8.27 | 0.003206 | PASS |
| CA_38C | QPSK | 37850+38048 | 100RB#0/100RB#0 | NV | 50 | 4.51 | 0.001748 | PASS |
| CA_38C | QPSK | 37901+38099 | 100RB#0/100RB#0 | NV | -30 | 10.85 | 0.004196 | PASS |
| CA_38C | QPSK | 37901+38099 | 100RB#0/100RB#0 | NV | -20 | 5.02 | 0.001942 | PASS |
| CA_38C | QPSK | 37901+38099 | 100RB#0/100RB#0 | NV | -10 | 1.78 | 0.000687 | PASS |
| CA_38C | QPSK | 37901+38099 | 100RB#0/100RB#0 | NV | 0 | 1.56 | 0.000605 | PASS |
| CA_38C | QPSK | 37901+38099 | 100RB#0/100RB#0 | NV | 10 | -1.82 | -0.000704 | PASS |
| CA_38C | QPSK | 37901+38099 | 100RB#0/100RB#0 | NV | 20 | 5.86 | 0.002266 | PASS |
| CA_38C | QPSK | 37901+38099 | 100RB#0/100RB#0 | NV | 30 | -11.63 | -0.004501 | PASS |
| CA_38C | QPSK | 37901+38099 | 100RB#0/100RB#0 | NV | 40 | -8.74 | -0.003379 | PASS |
| CA_38C | QPSK | 37901+38099 | 100RB#0/100RB#0 | NV | 50 | 2.91 | 0.001125 | PASS |
| CA_38C | QPSK | 37952+38150 | 100RB#0/100RB#0 | NV | -30 | -9.80 | -0.003784 | PASS |
| CA_38C | QPSK | 37952+38150 | 100RB#0/100RB#0 | NV | -20 | 2.06 | 0.000796 | PASS |
| CA_38C | QPSK | 37952+38150 | 100RB#0/100RB#0 | NV | -10 | -7.36 | -0.002842 | PASS |
| CA_38C | QPSK | 37952+38150 | 100RB#0/100RB#0 | NV | 0 | -0.28 | -0.000106 | PASS |
| CA_38C | QPSK | 37952+38150 | 100RB#0/100RB#0 | NV | 10 | 4.86 | 0.001876 | PASS |
| CA_38C | QPSK | 37952+38150 | 100RB#0/100RB#0 | NV | 20 | 5.29 | 0.002044 | PASS |
| CA_38C | QPSK | 37952+38150 | 100RB#0/100RB#0 | NV | 30 | 5.34 | 0.002062 | PASS |
| CA_38C | QPSK | 37952+38150 | 100RB#0/100RB#0 | NV | 40 | -3.89 | -0.001500 | PASS |
| CA_38C | QPSK | 37952+38150 | 100RB#0/100RB#0 | NV | 50 | 8.15 | 0.003147 | PASS |
| CA_38C | 16QAM | 37850+38048 | 100RB#0/100RB#0 | NV | -30 | -0.89 | -0.000343 | PASS |
| CA_38C | 16QAM | 37850+38048 | 100RB#0/100RB#0 | NV | -20 | 3.97 | 0.001538 | PASS |
| CA_38C | 16QAM | 37850+38048 | 100RB#0/100RB#0 | NV | -10 | -1.93 | -0.000747 | PASS |
| CA_38C | 16QAM | 37850+38048 | 100RB#0/100RB#0 | NV | 0 | 8.87 | 0.003438 | PASS |
| CA_38C | 16QAM | 37850+38048 | 100RB#0/100RB#0 | NV | 10 | -7.07 | -0.002739 | PASS |
| CA_38C | 16QAM | 37850+38048 | 100RB#0/100RB#0 | NV | 20 | 0.10 | 0.000038 | PASS |
| CA_38C | 16QAM | 37850+38048 | 100RB#0/100RB#0 | NV | 30 | -12.36 | -0.004790 | PASS |
| CA_38C | 16QAM | 37850+38048 | 100RB#0/100RB#0 | NV | 40 | 13.22 | 0.005123 | PASS |
| CA_38C | 16QAM | 37850+38048 | 100RB#0/100RB#0 | NV | 50 | 5.60 | 0.002171 | PASS |
| CA_38C | 16QAM | 37901+38099 | 100RB#0/100RB#0 | NV | -30 | -4.66 | -0.001803 | PASS |
| CA_38C | 16QAM | 37901+38099 | 100RB#0/100RB#0 | NV | -20 | -11.82 | -0.004571 | PASS |
| CA_38C | 16QAM | 37901+38099 | 100RB#0/100RB#0 | NV | -10 | -7.32 | -0.002831 | PASS |
| CA_38C | 16QAM | 37901+38099 | 100RB#0/100RB#0 | NV | 0 | -6.45 | -0.002496 | PASS |
| CA_38C | 16QAM | 37901+38099 | 100RB#0/100RB#0 | NV | 10 | 4.54 | 0.001756 | PASS |
| CA_38C | 16QAM | 37901+38099 | 100RB#0/100RB#0 | NV | 20 | 7.55 | 0.002922 | PASS |
| CA_38C | 16QAM | 37901+38099 | 100RB#0/100RB#0 | NV | 30 | 1.98 | 0.000764 | PASS |
| CA_38C | 16QAM | 37901+38099 | 100RB#0/100RB#0 | NV | 40 | 5.74 | 0.002219 | PASS |
| CA_38C | 16QAM | 37901+38099 | 100RB#0/100RB#0 | NV | 50 | 9.40 | 0.003635 | PASS |
| CA_38C | 16QAM | 37952+38150 | 100RB#0/100RB#0 | NV | -30 | -0.23 | -0.000090 | PASS |
| CA_38C | 16QAM | 37952+38150 | 100RB#0/100RB#0 | NV | -20 | -2.18 | -0.000840 | PASS |
| CA_38C | 16QAM | 37952+38150 | 100RB#0/100RB#0 | NV | -10 | -1.61 | -0.000621 | PASS |
| CA_38C | 16QAM | 37952+38150 | 100RB#0/100RB#0 | NV | 0 | -10.45 | -0.004033 | PASS |
| CA_38C | 16QAM | 37952+38150 | 100RB#0/100RB#0 | NV | 10 | 5.31 | 0.002049 | PASS |
| CA_38C | 16QAM | 37952+38150 | 100RB#0/100RB#0 | NV | 20 | -7.52 | -0.002904 | PASS |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CA_38C | 16QAM | 37952+38150 | 100RB#0/100RB#0 | NV | 30 | 8.12 | 0.003134 | PASS |
| CA_38C | 16QAM | 37952+38150 | 100RB#0/100RB#0 | NV | 40 | 3.13 | 0.001208 | PASS |
| CA_38C | 16QAM | 37952+38150 | 100RB#0/100RB#0 | NV | 50 | -10.76 | -0.004152 | PASS |
| CA_38C | 64QAM | 37850+38048 | 100RB#0/100RB#0 | NV | -30 | -6.72 | -0.002606 | PASS |
| CA_38C | 64QAM | 37850+38048 | 100RB#0/100RB#0 | NV | -20 | 3.89 | 0.001507 | PASS |
| CA_38C | 64QAM | 37850+38048 | 100RB#0/100RB#0 | NV | -10 | -7.50 | -0.002907 | PASS |
| CA_38C | 64QAM | 37850+38048 | 100RB#0/100RB#0 | NV | 0 | -8.53 | -0.003306 | PASS |
| CA_38C | 64QAM | 37850+38048 | 100RB#0/100RB#0 | NV | 10 | 4.87 | 0.001889 | PASS |
| CA_38C | 64QAM | 37850+38048 | 100RB#0/100RB#0 | NV | 20 | -0.71 | -0.000276 | PASS |
| CA_38C | 64QAM | 37850+38048 | 100RB#0/100RB#0 | NV | 30 | 0.13 | 0.000049 | PASS |
| CA_38C | 64QAM | 37850+38048 | 100RB#0/100RB#0 | NV | 40 | 8.26 | 0.003203 | PASS |
| CA_38C | 64QAM | 37850+38048 | 100RB#0/100RB#0 | NV | 50 | 0.77 | 0.000298 | PASS |
| CA_38C | 64QAM | 37901+38099 | 100RB#0/100RB#0 | NV | -30 | 8.22 | 0.003181 | PASS |
| CA_38C | 64QAM | 37901+38099 | 100RB#0/100RB#0 | NV | -20 | 6.07 | 0.002349 | PASS |
| CA_38C | 64QAM | 37901+38099 | 100RB#0/100RB#0 | NV | -10 | 2.70 | 0.001046 | PASS |
| CA_38C | 64QAM | 37901+38099 | 100RB#0/100RB#0 | NV | 0 | 0.18 | 0.000069 | PASS |
| CA_38C | 64QAM | 37901+38099 | 100RB#0/100RB#0 | NV | 10 | 3.42 | 0.001324 | PASS |
| CA_38C | 64QAM | 37901+38099 | 100RB#0/100RB#0 | NV | 20 | -4.52 | -0.001748 | PASS |
| CA_38C | 64QAM | 37901+38099 | 100RB#0/100RB#0 | NV | 30 | 1.77 | 0.000685 | PASS |
| CA_38C | 64QAM | 37901+38099 | 100RB#0/100RB#0 | NV | 40 | 3.77 | 0.001459 | PASS |
| CA_38C | 64QAM | 37901+38099 | 100RB#0/100RB#0 | NV | 50 | 7.71 | 0.002984 | PASS |
| CA_38C | 64QAM | 37952+38150 | 100RB#0/100RB#0 | NV | -30 | -12.55 | -0.004845 | PASS |
| CA_38C | 64QAM | 37952+38150 | 100RB#0/100RB#0 | NV | -20 | -6.05 | -0.002335 | PASS |
| CA_38C | 64QAM | 37952+38150 | 100RB#0/100RB#0 | NV | -10 | -11.90 | -0.004594 | PASS |
| CA_38C | 64QAM | 37952+38150 | 100RB#0/100RB#0 | NV | 0 | -4.40 | -0.001700 | PASS |
| CA_38C | 64QAM | 37952+38150 | 100RB#0/100RB#0 | NV | 10 | 10.14 | 0.003915 | PASS |
| CA_38C | 64QAM | 37952+38150 | 100RB#0/100RB#0 | NV | 20 | 11.48 | 0.004434 | PASS |
| CA_38C | 64QAM | 37952+38150 | 100RB#0/100RB#0 | NV | 30 | -0.62 | -0.000241 | PASS |
| CA_38C | 64QAM | 37952+38150 | 100RB#0/100RB#0 | NV | 40 | -12.63 | -0.004876 | PASS |
| CA_38C | 64QAM | 37952+38150 | 100RB#0/100RB#0 | NV | 50 | 5.47 | 0.002110 | PASS |

The End

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