# Appendix B

## E-UTRA Band CA_38C

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# 1 Effective (Isotropic) Radiated Power Output Data

## 1.1 Max Power Test Result for LTE Band CA_38C(ANT1)

| 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 | 23.38 | 22.63 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37825+37975 | 16RB#0 | 0RB#0 | QPSK | 23.41 | 22.66 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37925+38075 | 1RB#0 | 0RB#0 | QPSK | 23.39 | 22.64 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37925+38075 | 16RB#0 | 0RB#0 | QPSK | 23.45 | 22.7 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 38025+38175 | 1RB#0 | 0RB#0 | QPSK | 23.47 | 22.72 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 38025+38175 | 16RB#0 | 0RB#0 | QPSK | 23.54 | 22.79 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37850+38048 | 1RB#0 | 0RB#0 | QPSK | 23.37 | 22.62 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37850+38048 | 18RB#0 | 0RB#0 | QPSK | 23.42 | 22.67 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37901+38099 | 1RB#0 | 0RB#0 | QPSK | 23.38 | 22.63 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37901+38099 | 18RB#0 | 0RB#0 | QPSK | 23.44 | 22.69 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37952+38150 | 1RB#0 | 0RB#0 | QPSK | 23.52 | 22.77 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37952+38150 | 18RB#0 | 0RB#0 | QPSK | 23.38 | 22.63 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37825+37975 | 1RB#0 | 0RB#0 | 16QAM | 22.46 | 21.71 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37825+37975 | 16RB#0 | 0RB#0 | 16QAM | 22.32 | 21.57 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37925+38075 | 1RB#0 | 0RB#0 | 16QAM | 22.37 | 21.62 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37925+38075 | 16RB#0 | 0RB#0 | 16QAM | 22.42 | 21.67 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 38025+38175 | 1RB#0 | 0RB#0 | 16QAM | 22.49 | 21.74 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 38025+38175 | 16RB#0 | 0RB#0 | 16QAM | 22.6 | 21.85 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37850+38048 | 1RB#0 | 0RB#0 | 16QAM | 22.25 | 21.5 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37850+38048 | 18RB#0 | 0RB#0 | 16QAM | 22.46 | 21.71 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37901+38099 | 1RB#0 | 0RB#0 | 16QAM | 22.26 | 21.51 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37901+38099 | 18RB#0 | 0RB#0 | 16QAM | 22.48 | 21.73 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37952+38150 | 1RB#0 | 0RB#0 | 16QAM | 22.29 | 21.54 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37952+38150 | 18RB#0 | 0RB#0 | 16QAM | 22.54 | 21.79 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37825+37975 | 1RB#0 | 0RB#0 | 64QAM | 21.26 | 20.51 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37825+37975 | 16RB#0 | 0RB#0 | 64QAM | 21.3 | 20.55 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37925+38075 | 1RB#0 | 0RB#0 | 64QAM | 21.33 | 20.58 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37925+38075 | 16RB#0 | 0RB#0 | 64QAM | 21.29 | 20.54 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 38025+38175 | 1RB#0 | 0RB#0 | 64QAM | 21.45 | 20.7 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 38025+38175 | 16RB#0 | 0RB#0 | 64QAM | 21.37 | 20.62 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37850+38048 | 1RB#0 | 0RB#0 | 64QAM | 21.37 | 20.62 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37850+38048 | 18RB#0 | 0RB#0 | 64QAM | 21.31 | 20.56 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37901+38099 | 1RB#0 | 0RB#0 | 64QAM | 21.36 | 20.61 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37901+38099 | 18RB#0 | 0RB#0 | 64QAM | 21.33 | 20.58 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37952+38150 | 1RB#0 | 0RB#0 | 64QAM | 21.4 | 20.65 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37952+38150 | 18RB#0 | 0RB#0 | 64QAM | 21.41 | 20.66 | 33.00 | PASS |

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## 1.2 Max Power Test Result for LTE Band CA_38C(ANT2)

| 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 | 23.48 | 20.28 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37825+37975 | 16RB#0 | 0RB#0 | QPSK | 23.40 | 20.2 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37925+38075 | 1RB#0 | 0RB#0 | QPSK | 23.39 | 20.19 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37925+38075 | 16RB#0 | 0RB#0 | QPSK | 23.38 | 20.18 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 38025+38175 | 1RB#0 | 0RB#0 | QPSK | 23.41 | 20.21 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 38025+38175 | 16RB#0 | 0RB#0 | QPSK | 23.38 | 20.18 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37850+38048 | 1RB#0 | 0RB#0 | QPSK | 23.50 | 20.3 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37850+38048 | 18RB#0 | 0RB#0 | QPSK | 23.52 | 20.32 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37901+38099 | 1RB#0 | 0RB#0 | QPSK | 23.48 | 20.28 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37901+38099 | 18RB#0 | 0RB#0 | QPSK | 23.45 | 20.25 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37952+38150 | 1RB#0 | 0RB#0 | QPSK | 23.47 | 20.27 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37952+38150 | 18RB#0 | 0RB#0 | QPSK | 23.46 | 20.26 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37825+37975 | 1RB#0 | 0RB#0 | 16QAM | 22.48 | 19.28 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37825+37975 | 16RB#0 | 0RB#0 | 16QAM | 22.68 | 19.48 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37925+38075 | 1RB#0 | 0RB#0 | 16QAM | 22.65 | 19.45 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37925+38075 | 16RB#0 | 0RB#0 | 16QAM | 22.63 | 19.43 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 38025+38175 | 1RB#0 | 0RB#0 | 16QAM | 22.50 | 19.3 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 38025+38175 | 16RB#0 | 0RB#0 | 16QAM | 22.57 | 19.37 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37850+38048 | 1RB#0 | 0RB#0 | 16QAM | 22.50 | 19.3 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37850+38048 | 18RB#0 | 0RB#0 | 16QAM | 22.52 | 19.32 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37901+38099 | 1RB#0 | 0RB#0 | 16QAM | 22.58 | 19.38 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37901+38099 | 18RB#0 | 0RB#0 | 16QAM | 22.49 | 19.29 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37952+38150 | 1RB#0 | 0RB#0 | 16QAM | 22.45 | 19.25 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37952+38150 | 18RB#0 | 0RB#0 | 16QAM | 22.48 | 19.28 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37825+37975 | 1RB#0 | 0RB#0 | 64QAM | 21.36 | 18.16 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37825+37975 | 16RB#0 | 0RB#0 | 64QAM | 21.38 | 18.18 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37925+38075 | 1RB#0 | 0RB#0 | 64QAM | 21.40 | 18.2 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 37925+38075 | 16RB#0 | 0RB#0 | 64QAM | 21.42 | 18.22 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 38025+38175 | 1RB#0 | 0RB#0 | 64QAM | 21.39 | 18.19 | 33.00 | PASS |
| CA_38C | 75RB+75RB | 38025+38175 | 16RB#0 | 0RB#0 | 64QAM | 21.36 | 18.16 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37850+38048 | 1RB#0 | 0RB#0 | 64QAM | 21.35 | 18.15 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37850+38048 | 18RB#0 | 0RB#0 | 64QAM | 21.48 | 18.28 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37901+38099 | 1RB#0 | 0RB#0 | 64QAM | 21.46 | 18.26 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37901+38099 | 18RB#0 | 0RB#0 | 64QAM | 21.44 | 18.24 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37952+38150 | 1RB#0 | 0RB#0 | 64QAM | 21.38 | 18.18 | 33.00 | PASS |
| CA_38C | 100RB+100RB | 37952+38150 | 18RB#0 | 0RB#0 | 64QAM | 21.36 | 18.16 | 33.00 | PASS |

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 | 6.41 | 13.00 | PASS |
| CA_38C | QPSK | 100RB+100RB | 37901+38099 | 100RB#0 | 100RB#0 | 6.38 | 13.00 | PASS |
| CA_38C | QPSK | 100RB+100RB | 37952+38150 | 100RB#0 | 100RB#0 | 6.43 | 13.00 | PASS |
| CA_38C | 16QAM | 100RB+100RB | 37850+38048 | 100RB#0 | 100RB#0 | 6.96 | 13.00 | PASS |
| CA_38C | 16QAM | 100RB+100RB | 37901+38099 | 100RB#0 | 100RB#0 | 7.74 | 13.00 | PASS |
| CA_38C | 16QAM | 100RB+100RB | 37952+38150 | 100RB#0 | 100RB#0 | 7.07 | 13.00 | PASS |
| CA_38C | 64QAM | 100RB+100RB | 37850+38048 | 100RB#0 | 100RB#0 | 6.90 | 13.00 | PASS |
| CA_38C | 64QAM | 100RB+100RB | 37901+38099 | 100RB#0 | 100RB#0 | 6.90 | 13.00 | PASS |
| CA_38C | 64QAM | 100RB+100RB | 37952+38150 | 100RB#0 | 100RB#0 | 6.67 | 13.00 | PASS |

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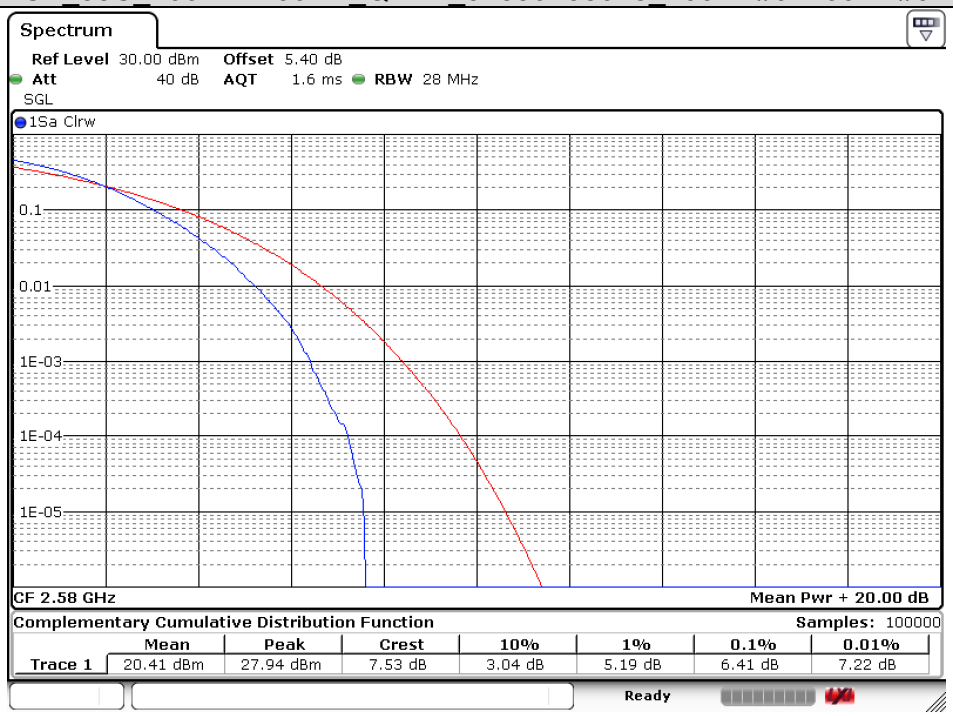
## 2.1 For LTE

### 2.1.1 Test Band = LTE Band CA_38C

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




Date: 21.OCT.2020 09:10:09

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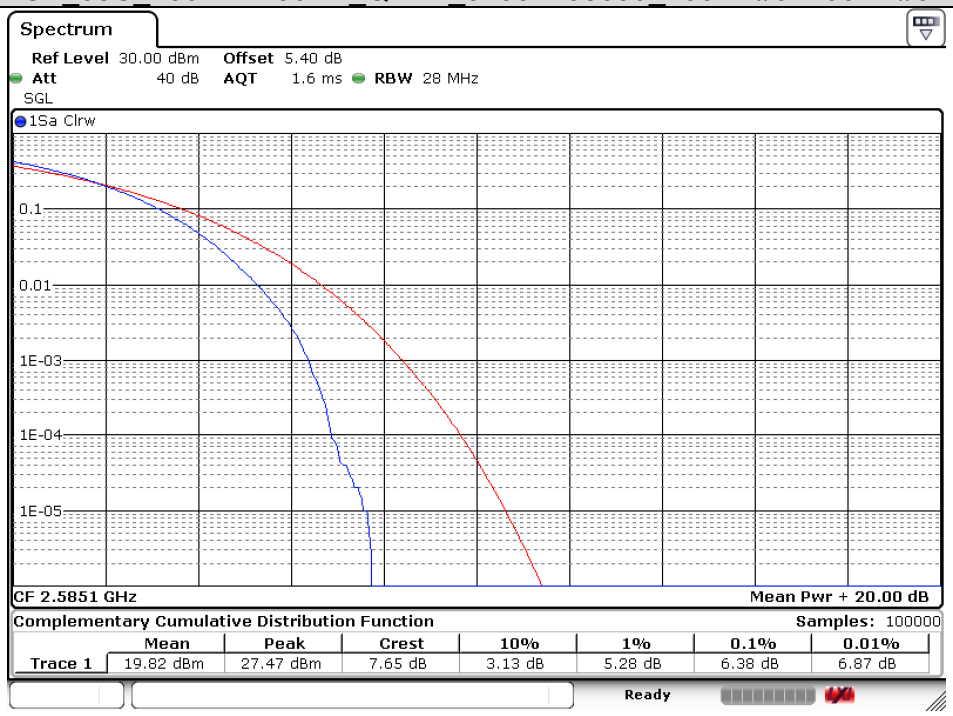
CA_38C_100RB+100RB_QPSK_37901+38099_100RB#0+100RB#0

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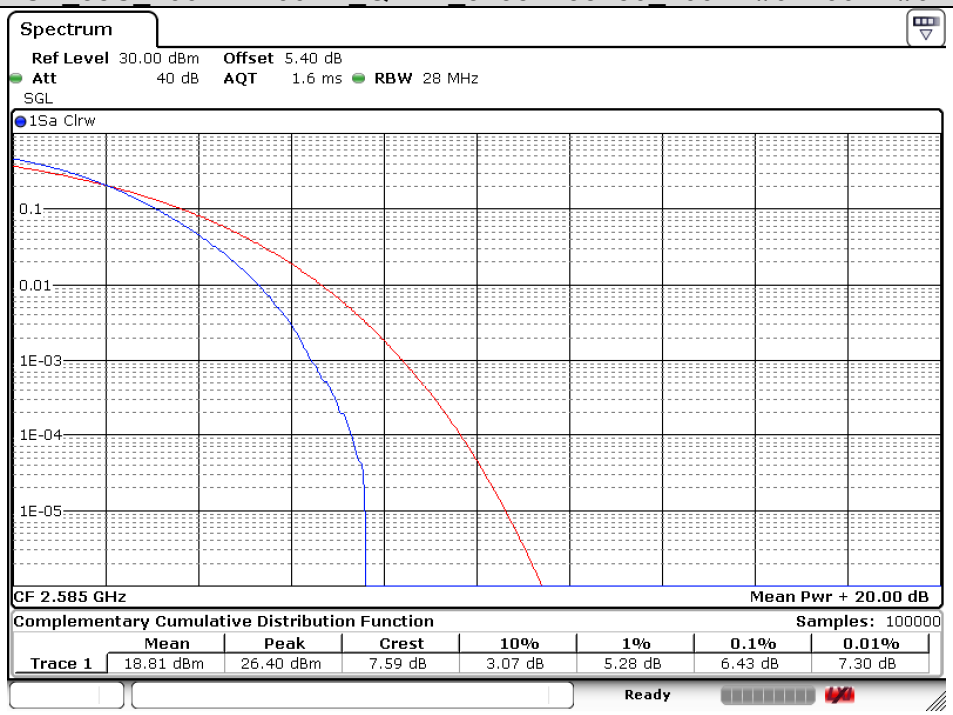


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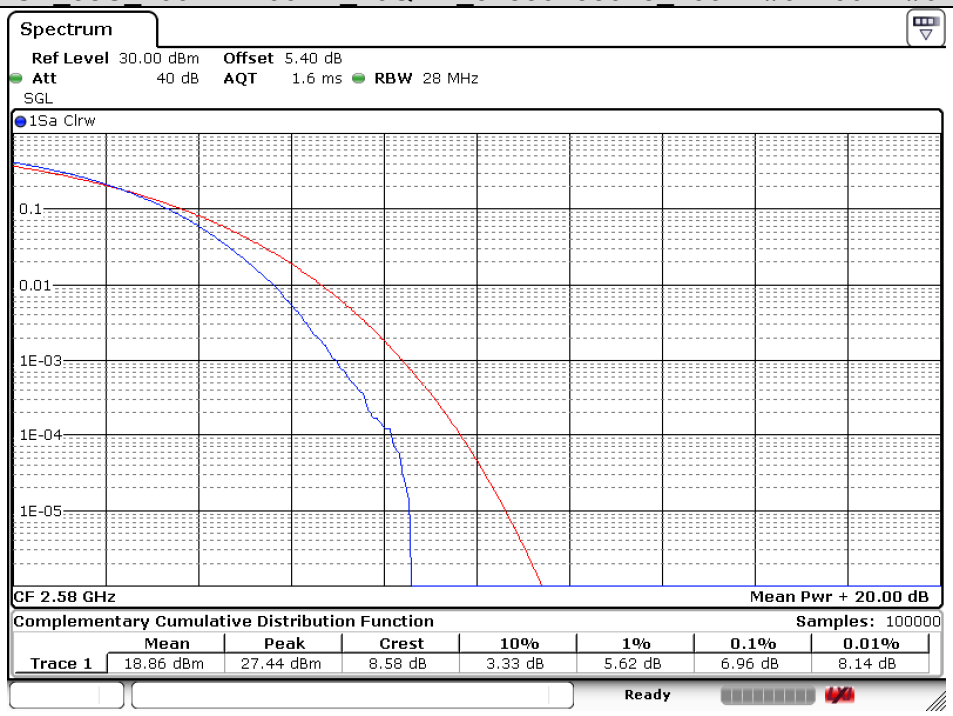
## CA_38C_100RB+100RB_16QAM_37850+38048_100RB#0+100RB#0

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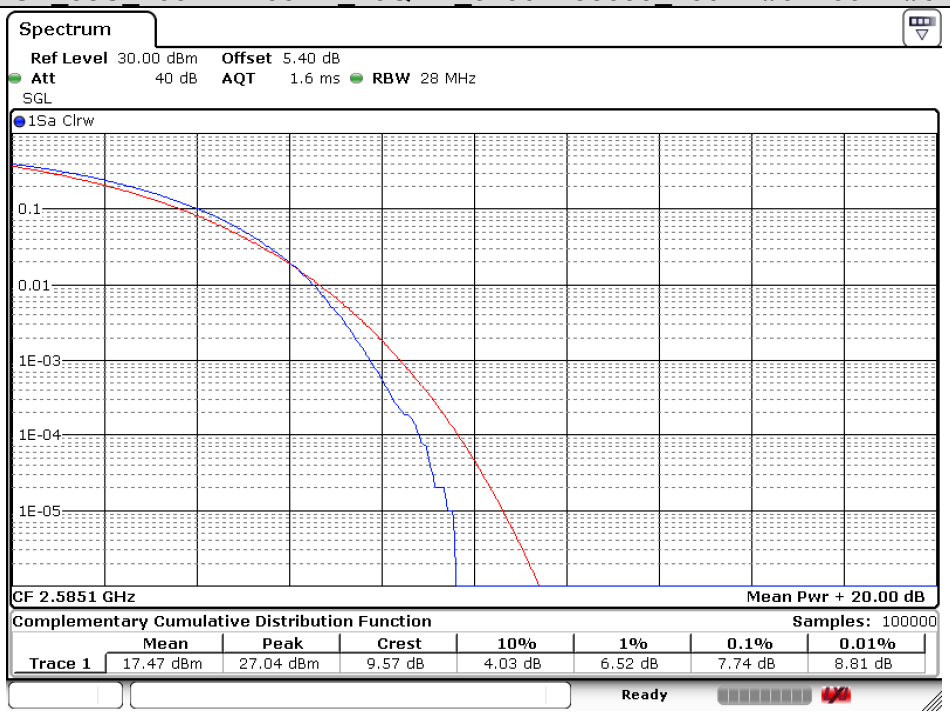


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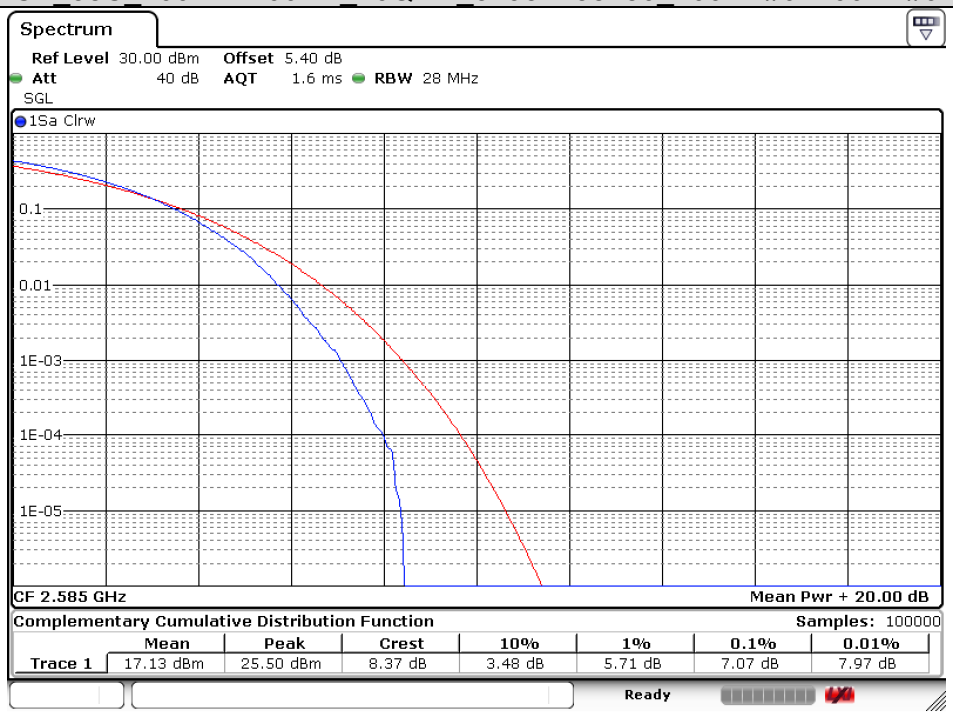
## CA_38C_100RB+100RB_16QAM_37952+38150_100RB#0+100RB#0

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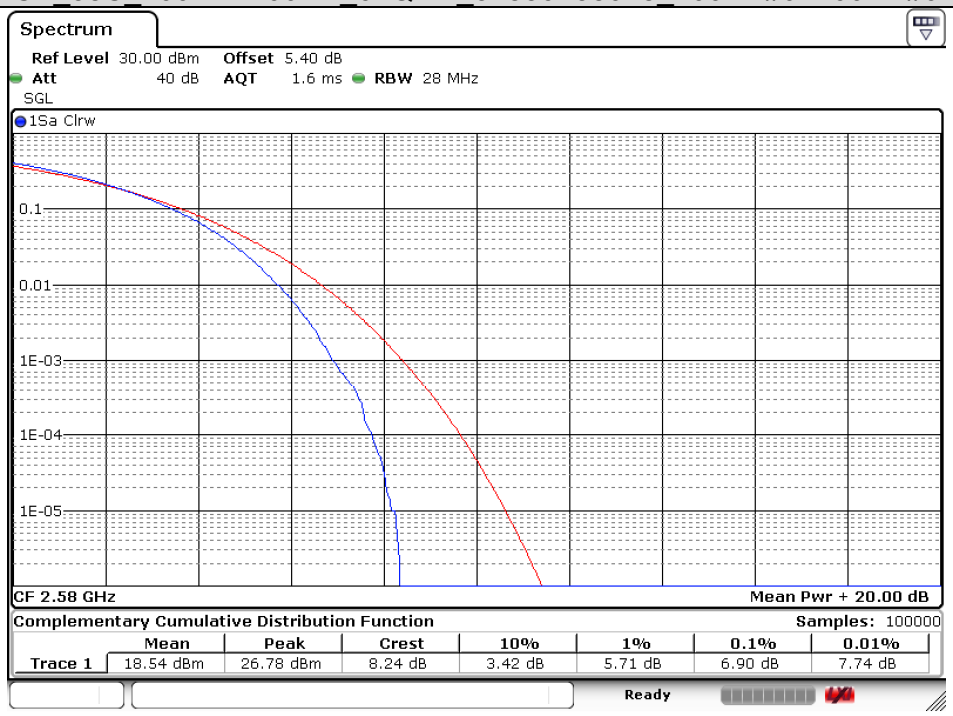


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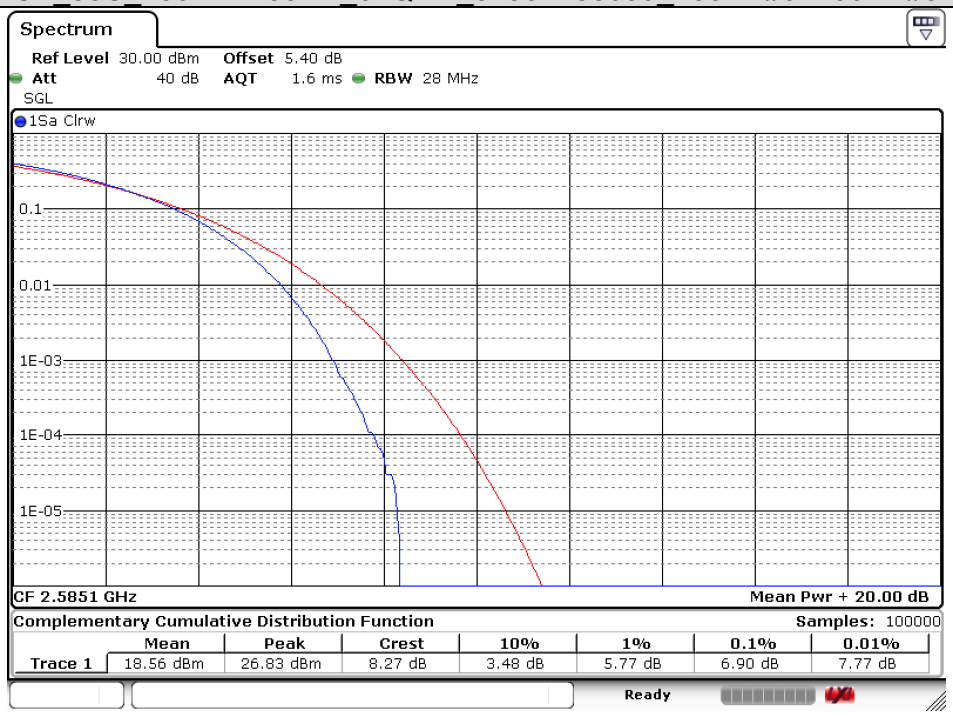
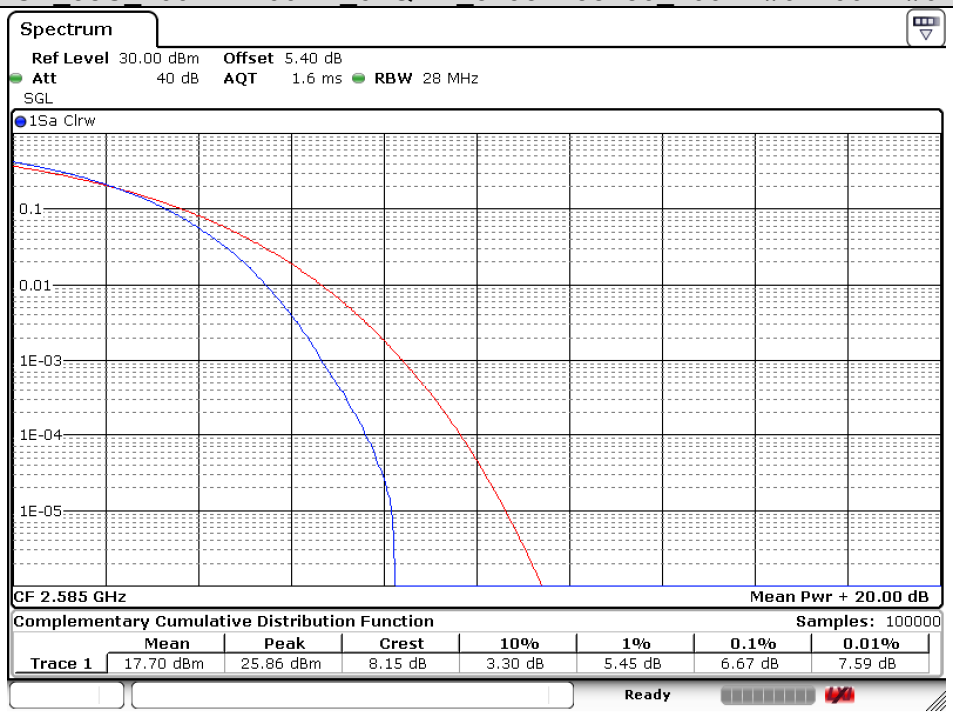
CA_38C_100RB+100RB_64QAM_37901+38099_100RB#0+100RB#0




Date: 21.OCT.2020 09:11:51

CA_38C_100RB+100RB_64QAM_37952+38150_100RB#0+100RB#0

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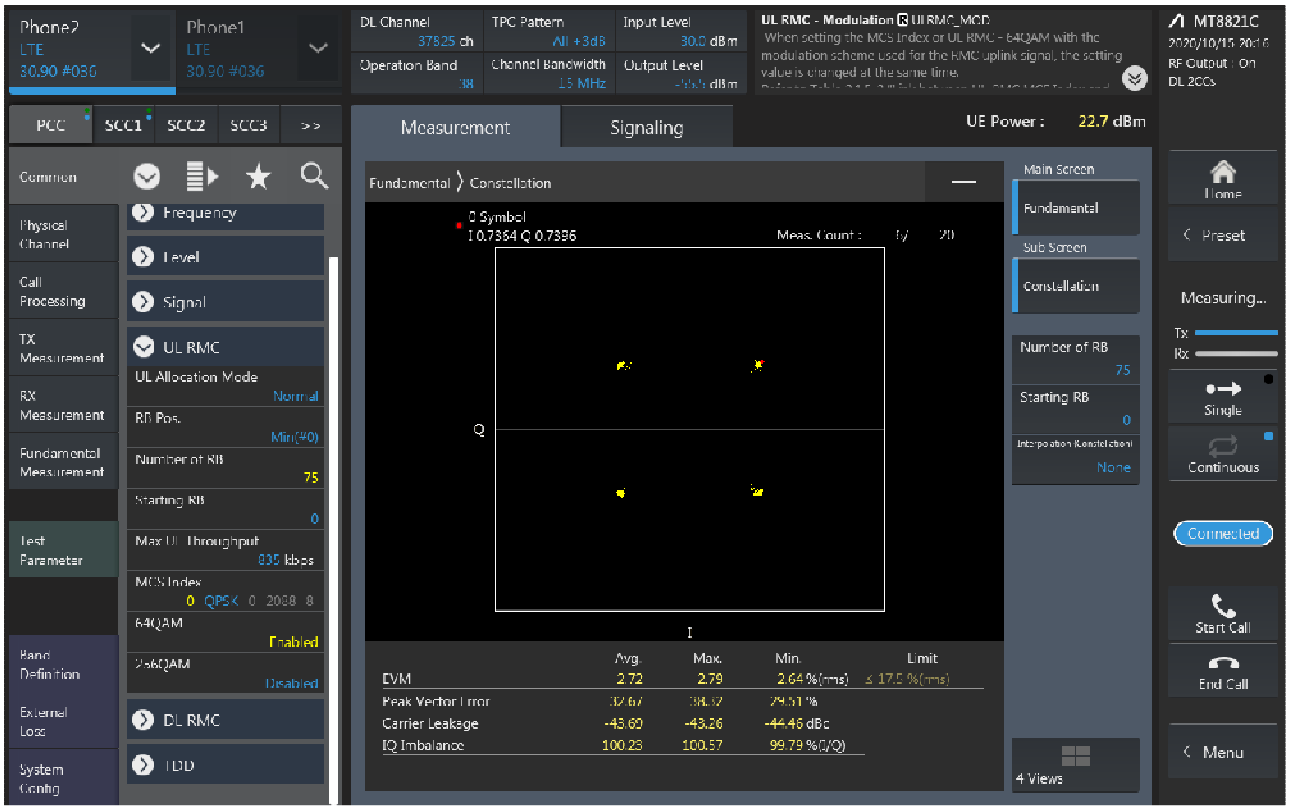
# 3 Modulation Characteristics

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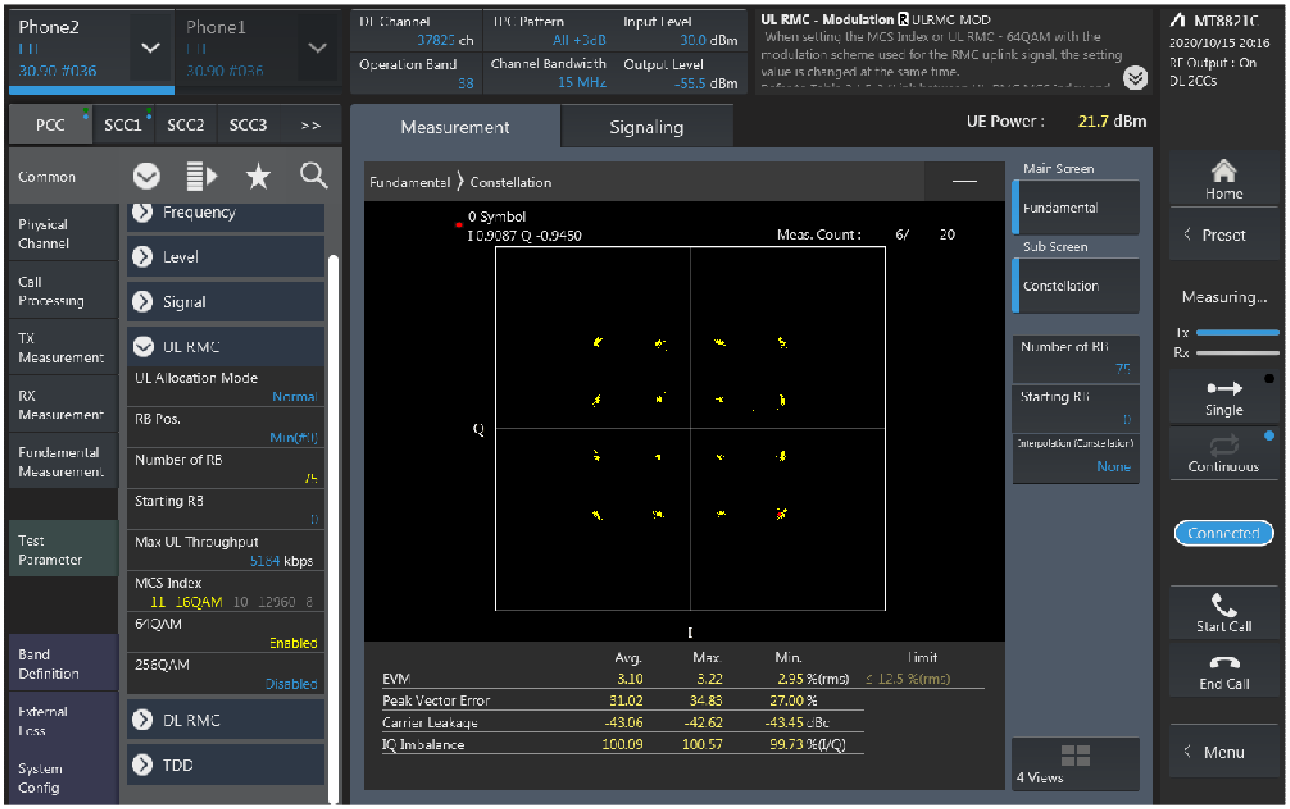
### 3.1.1.2 Test Mode = LTE /16QAM 100RB+100RB

#### 3.1.1.2.1 Test Channel =37850+38048

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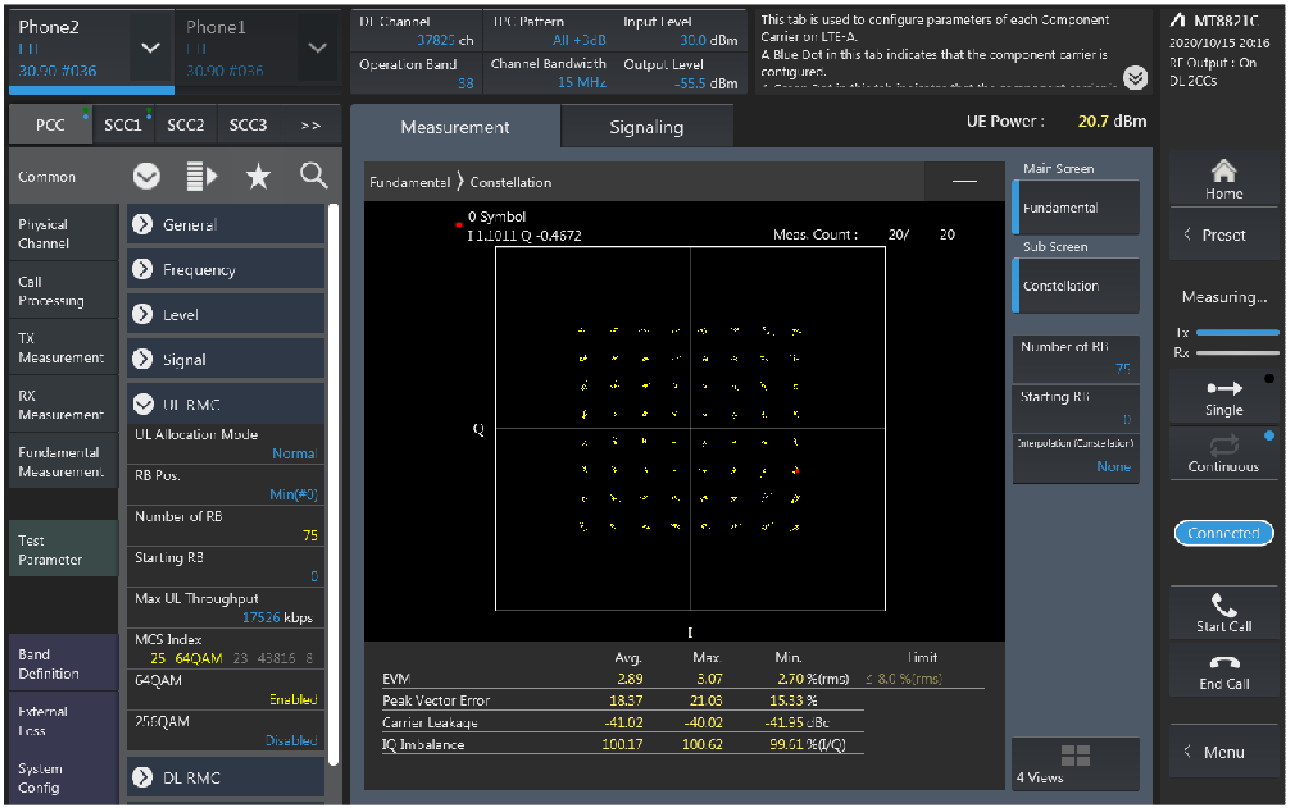
### 3.1.1.3 Test Mode = LTE /64QAM 100RB+100RB

#### 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 | 28.21 | 29.23 | PASS |
| CA_38C | 16QAM | 75RB+75RB | 37825+37975 | 75RB#0 | 75RB#0 | 28.19 | 29.24 | PASS |
| CA_38C | 64QAM | 75RB+75RB | 37825+37975 | 75RB#0 | 75RB#0 | 28.19 | 29.20 | PASS |
| CA_38C | QPSK | 75RB+75RB | 37925+38075 | 75RB#0 | 75RB#0 | 28.24 | 29.09 | PASS |
| CA_38C | 16QAM | 75RB+75RB | 37925+38075 | 75RB#0 | 75RB#0 | 28.21 | 29.20 | PASS |
| CA_38C | 64QAM | 75RB+75RB | 37925+38075 | 75RB#0 | 75RB#0 | 28.18 | 29.23 | PASS |
| CA_38C | QPSK | 75RB+75RB | 38025+38175 | 75RB#0 | 75RB#0 | 28.21 | 29.15 | PASS |
| CA_38C | 16QAM | 75RB+75RB | 38025+38175 | 75RB#0 | 75RB#0 | 28.19 | 29.21 | PASS |
| CA_38C | 64QAM | 75RB+75RB | 38025+38175 | 75RB#0 | 75RB#0 | 28.18 | 29.23 | PASS |
| CA_38C | QPSK | 100RB+100RB | 37850+38048 | 100RB#0 | 100RB#0 | 37.27 | 38.81 | PASS |
| CA_38C | 16QAM | 100RB+100RB | 37850+38048 | 100RB#0 | 100RB#0 | 37.23 | 38.85 | PASS |
| CA_38C | 64QAM | 100RB+100RB | 37850+38048 | 100RB#0 | 100RB#0 | 37.23 | 38.83 | PASS |
| CA_38C | QPSK | 100RB+100RB | 37901+38099 | 100RB#0 | 100RB#0 | 37.21 | 38.85 | PASS |
| CA_38C | 16QAM | 100RB+100RB | 37901+38099 | 100RB#0 | 100RB#0 | 37.23 | 38.79 | PASS |
| CA_38C | 64QAM | 100RB+100RB | 37901+38099 | 100RB#0 | 100RB#0 | 37.25 | 38.83 | PASS |
| CA_38C | QPSK | 100RB+100RB | 37952+38150 | 100RB#0 | 100RB#0 | 37.27 | 38.81 | PASS |
| CA_38C | 16QAM | 100RB+100RB | 37952+38150 | 100RB#0 | 100RB#0 | 37.23 | 38.85 | PASS |
| CA_38C | 64QAM | 100RB+100RB | 37952+38150 | 100RB#0 | 100RB#0 | 37.21 | 38.83 | PASS |

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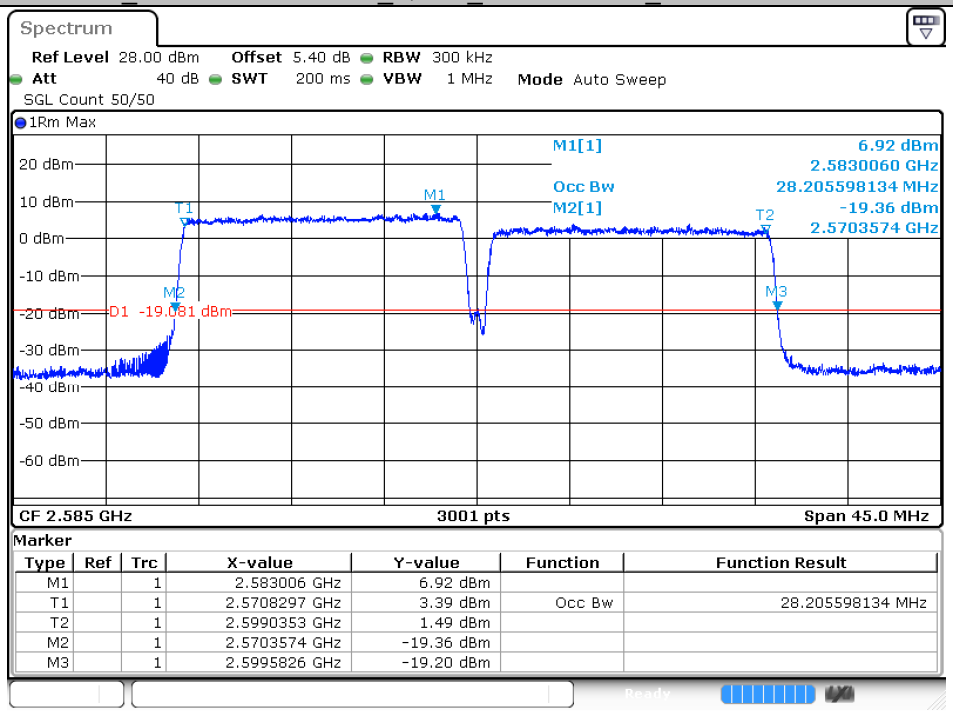
# 4.1 For LTE

## 4.1.1 Test Band = LTE Band CA_38C

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

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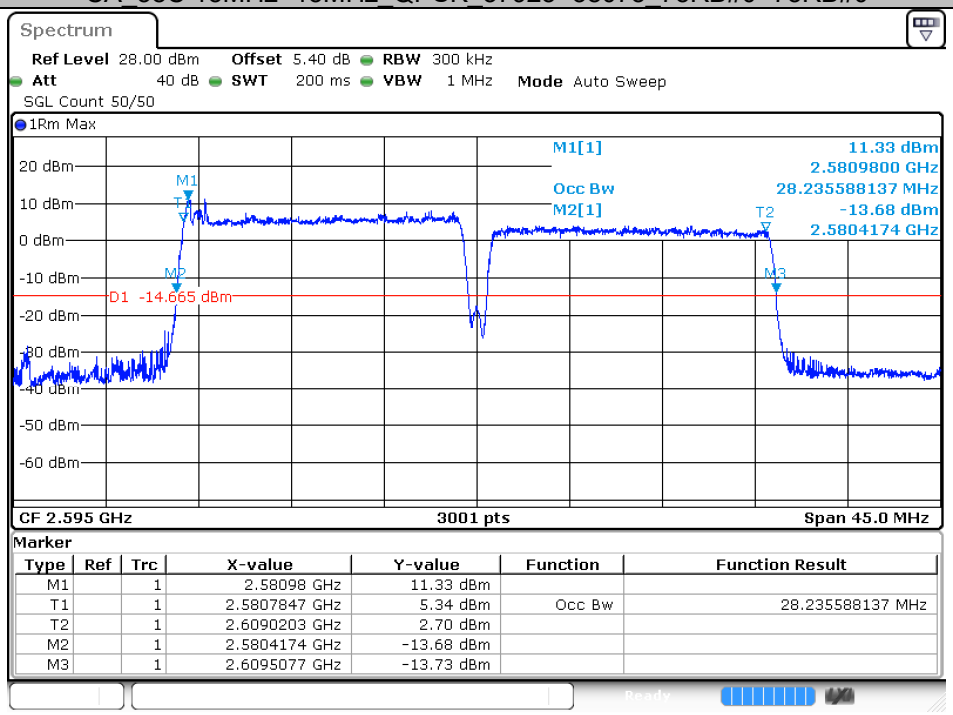
## CA_38C 15MHz+15MHz_QPSK_37925+38075_75RB#0+75RB#0




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.58098 GHz | 11.33 dBm | | |
| T1 | | 1 | 2.5807847 GHz | 5.34 dBm | Occ Bw | 28.235588137 MHz |
| T2 | | 1 | 2.6090203 GHz | 2.70 dBm | | |
| M2 | | 1 | 2.5804174 GHz | -13.68 dBm | | |
| M3 | | 1 | 2.6095077 GHz | -13.73 dBm | | |

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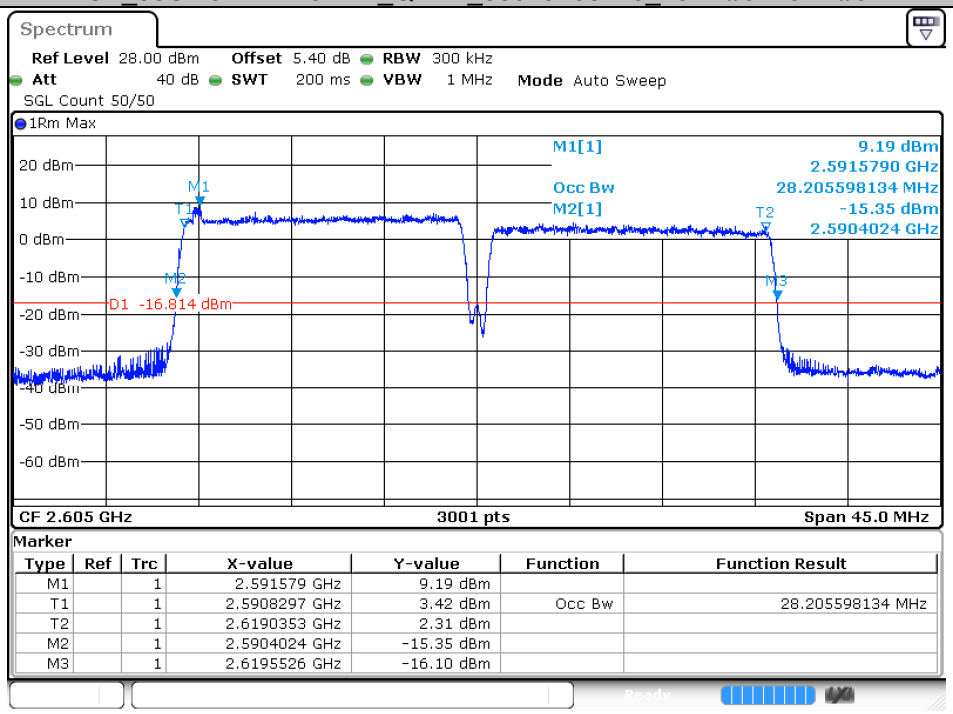


Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.591579 GHz | 9.19 dBm | | |
| T1 | | 1 | 2.5908297 GHz | 3.42 dBm | Occ Bw | 28.205598134 MHz |
| T2 | | 1 | 2.6190353 GHz | 2.31 dBm | | |
| M2 | | 1 | 2.5904024 GHz | -15.35 dBm | | |
| M3 | | 1 | 2.6195526 GHz | -16.10 dBm | | |

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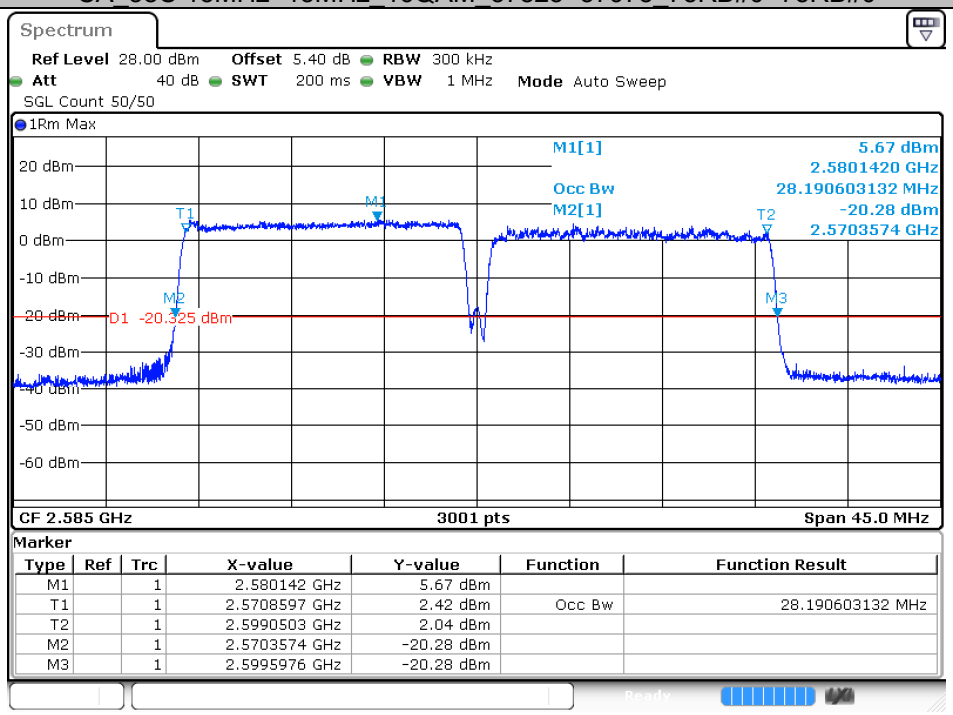
## CA_38C 15MHz+15MHz_16QAM_37825+37975_75RB#0+75RB#0

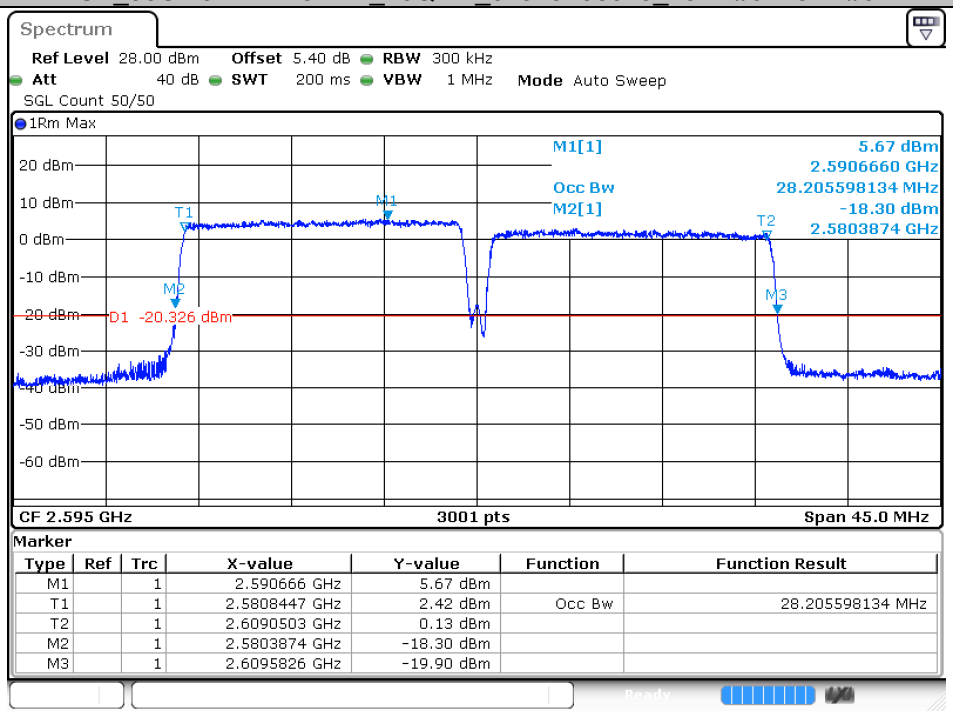



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.580142 GHz | 5.67 dBm | | |
| T1 | | 1 | 2.5708597 GHz | 2.42 dBm | Occ Bw | 28.190603132 MHz |
| T2 | | 1 | 2.5990503 GHz | 2.04 dBm | | |
| M2 | | 1 | 2.5703574 GHz | -20.28 dBm | | |
| M3 | | 1 | 2.5995976 GHz | -20.28 dBm | | |

Date: 19.OCT.2020 17:41:33

## CA_38C 15MHz+15MHz_16QAM_37925+38075_75RB#0+75RB#0




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.590666 GHz | 5.67 dBm | | |
| T1 | | 1 | 2.5808447 GHz | 2.42 dBm | Occ Bw | 28.205598134 MHz |
| T2 | | 1 | 2.6090503 GHz | 0.13 dBm | | |
| M2 | | 1 | 2.5803874 GHz | -18.30 dBm | | |
| M3 | | 1 | 2.6095826 GHz | -19.90 dBm | | |

Date: 19.OCT.2020 18:28:34

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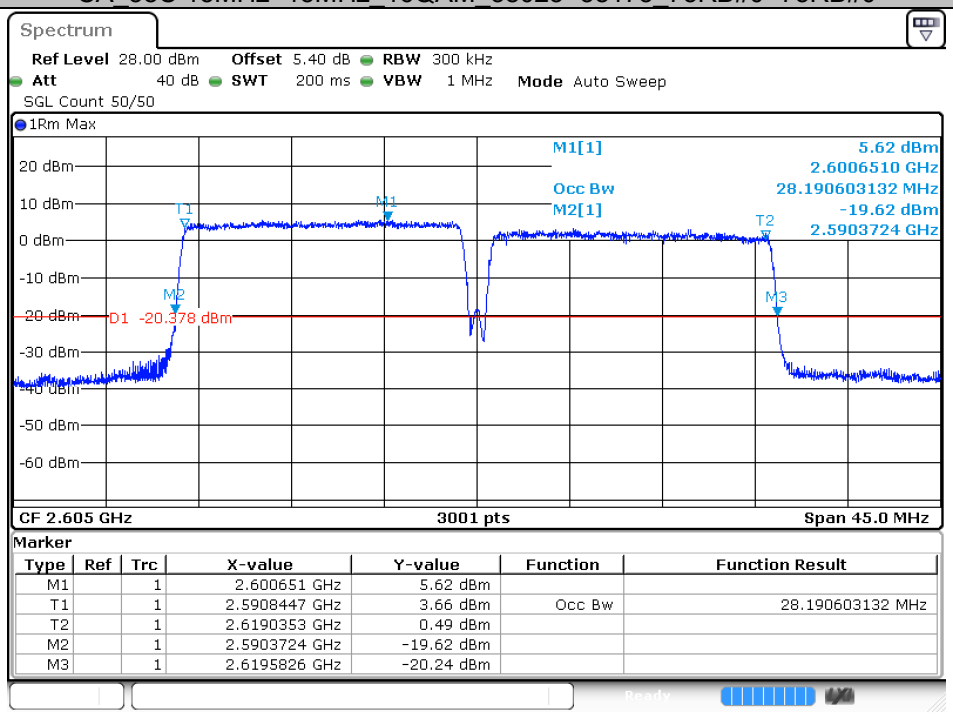
## CA_38C 15MHz+15MHz_16QAM_38025+38175_75RB#0+75RB#0

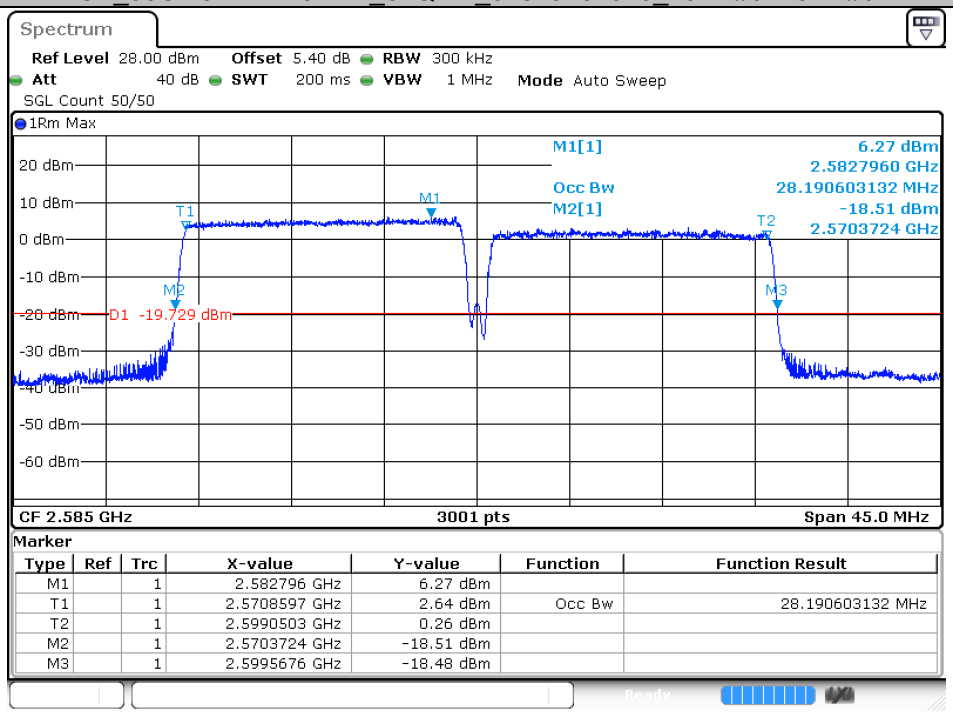



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.600651 GHz | 5.62 dBm | | |
| T1 | | 1 | 2.5908447 GHz | 3.66 dBm | Occ Bw | 28.190603132 MHz |
| T2 | | 1 | 2.6190353 GHz | 0.49 dBm | | |
| M2 | | 1 | 2.5903724 GHz | -19.62 dBm | | |
| M3 | | 1 | 2.6195826 GHz | -20.24 dBm | | |

Date: 19.OCT.2020 18:29:30

## CA_38C 15MHz+15MHz_64QAM_37825+37975_75RB#0+75RB#0




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.582796 GHz | 6.27 dBm | | |
| T1 | | 1 | 2.5708597 GHz | 2.64 dBm | Occ Bw | 28.190603132 MHz |
| T2 | | 1 | 2.5990503 GHz | 0.26 dBm | | |
| M2 | | 1 | 2.5703724 GHz | -18.51 dBm | | |
| M3 | | 1 | 2.5995676 GHz | -18.48 dBm | | |

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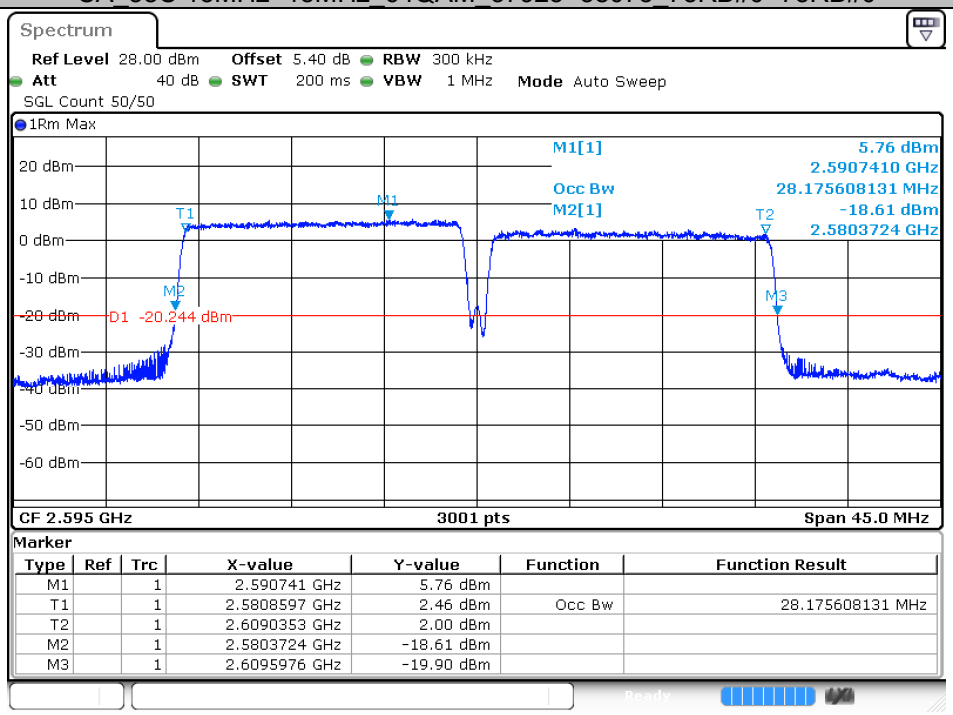
## CA_38C 15MHz+15MHz_64QAM_37925+38075_75RB#0+75RB#0

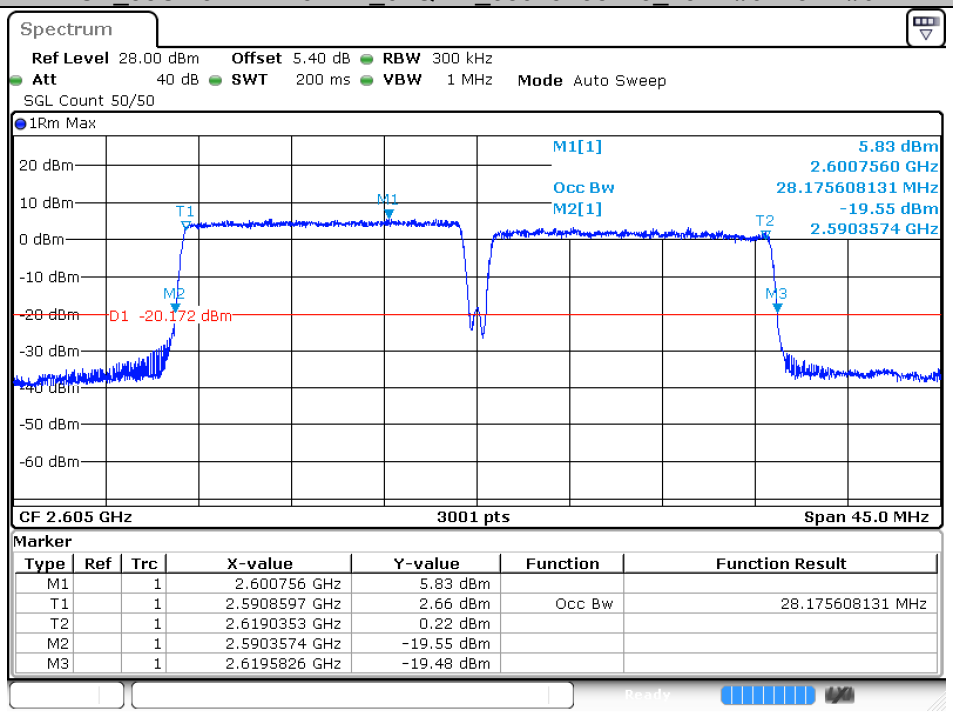



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.590741 GHz | 5.76 dBm | | |
| T1 | | 1 | 2.5808597 GHz | 2.46 dBm | Occ Bw | 28.175608131 MHz |
| T2 | | 1 | 2.6090353 GHz | 2.00 dBm | | |
| M2 | | 1 | 2.5803724 GHz | -18.61 dBm | | |
| M3 | | 1 | 2.6095976 GHz | -19.90 dBm | | |

Date: 19.OCT.2020 18:28:49

## CA_38C 15MHz+15MHz_64QAM_38025+38175_75RB#0+75RB#0




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.600756 GHz | 5.83 dBm | | |
| T1 | | 1 | 2.5908597 GHz | 2.66 dBm | Occ Bw | 28.175608131 MHz |
| T2 | | 1 | 2.6190353 GHz | 0.22 dBm | | |
| M2 | | 1 | 2.5903574 GHz | -19.55 dBm | | |
| M3 | | 1 | 2.6195826 GHz | -19.48 dBm | | |

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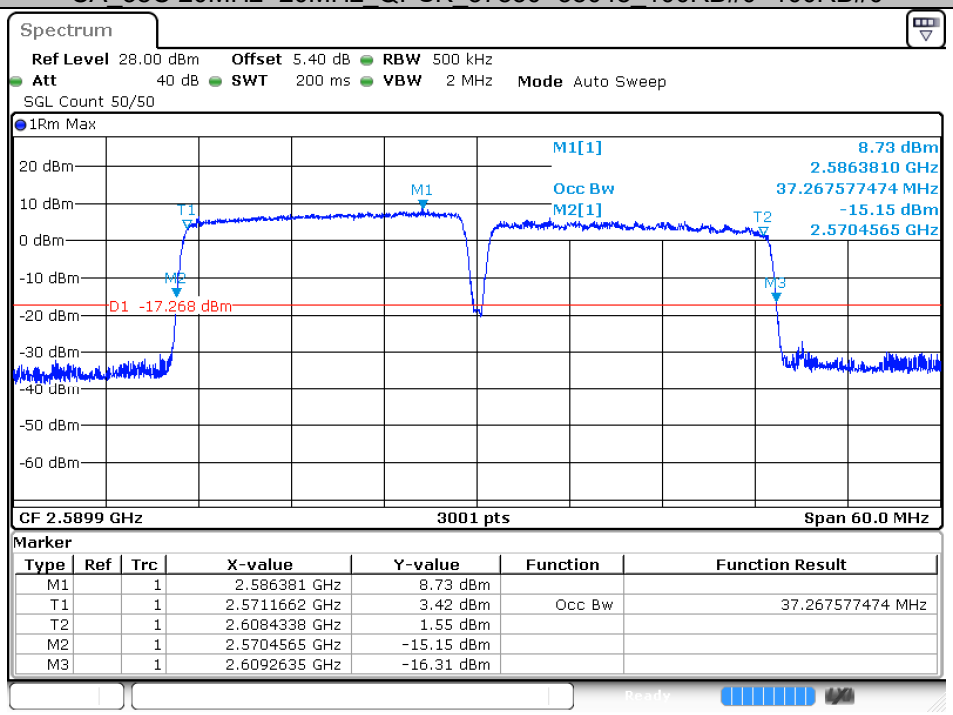
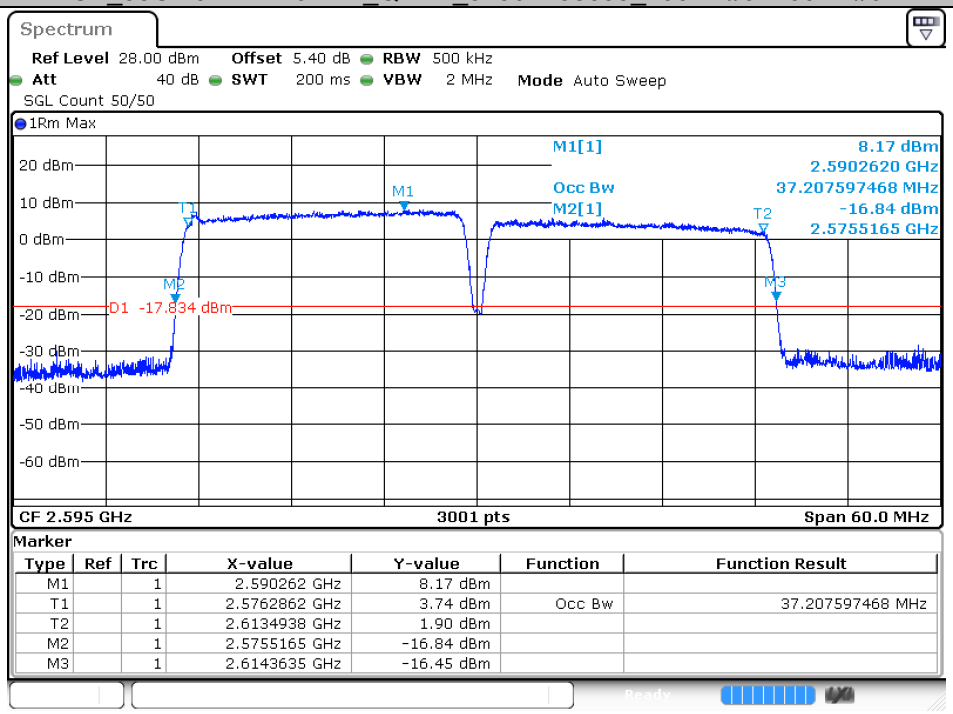
CA_38C 20MHz+20MHz_QPSK_37850+38048_100RB#0+100RB#0




Date: 19.OCT.2020 18:30:11

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




Date: 19.OCT.2020 18:31:09

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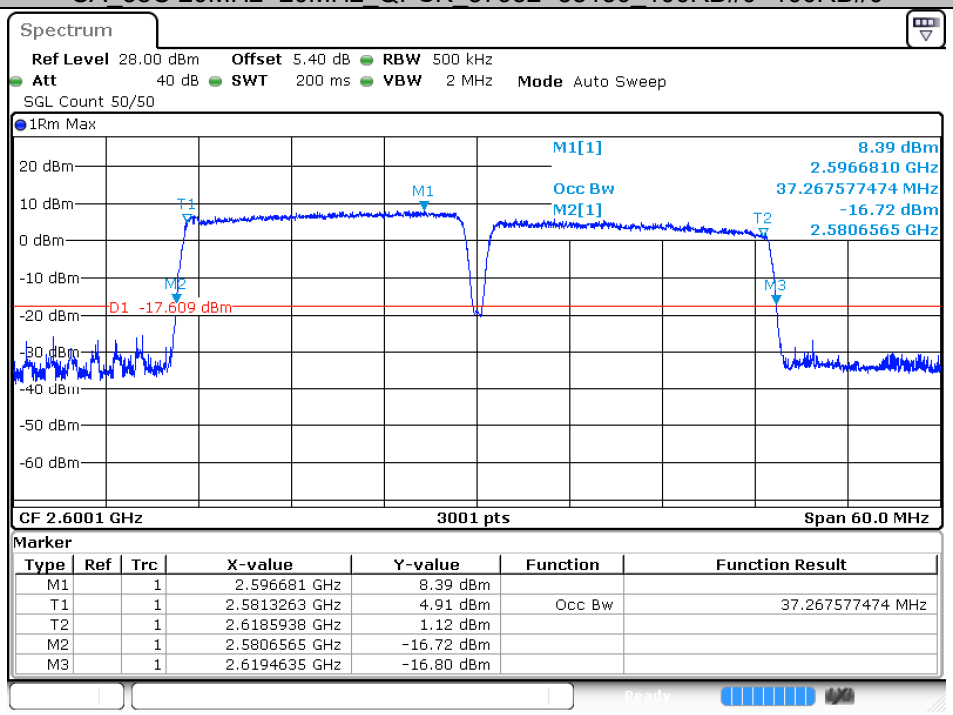
## CA_38C 20MHz+20MHz_QPSK_37952+38150_100RB#0+100RB#0

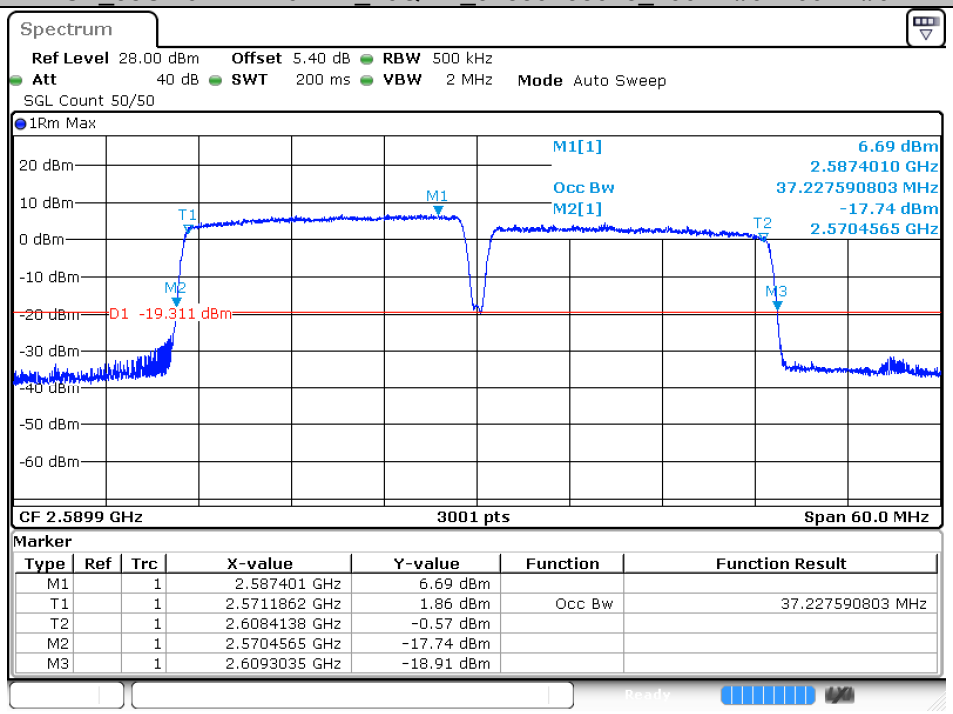



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.596681 GHz | 8.39 dBm | | |
| T1 | | 1 | 2.5813263 GHz | 4.91 dBm | Occ Bw | 37.267577474 MHz |
| T2 | | 1 | 2.6185938 GHz | 1.12 dBm | | |
| M2 | | 1 | 2.5806565 GHz | -16.72 dBm | | |
| M3 | | 1 | 2.6194635 GHz | -16.80 dBm | | |

Date: 19.OCT.2020 18:32:05

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




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.587401 GHz | 6.69 dBm | | |
| T1 | | 1 | 2.5711862 GHz | 1.86 dBm | Occ Bw | 37.227590803 MHz |
| T2 | | 1 | 2.6084138 GHz | -0.57 dBm | | |
| M2 | | 1 | 2.5704565 GHz | -17.74 dBm | | |
| M3 | | 1 | 2.6093035 GHz | -18.91 dBm | | |

Date: 19.OCT.2020 18:30:28

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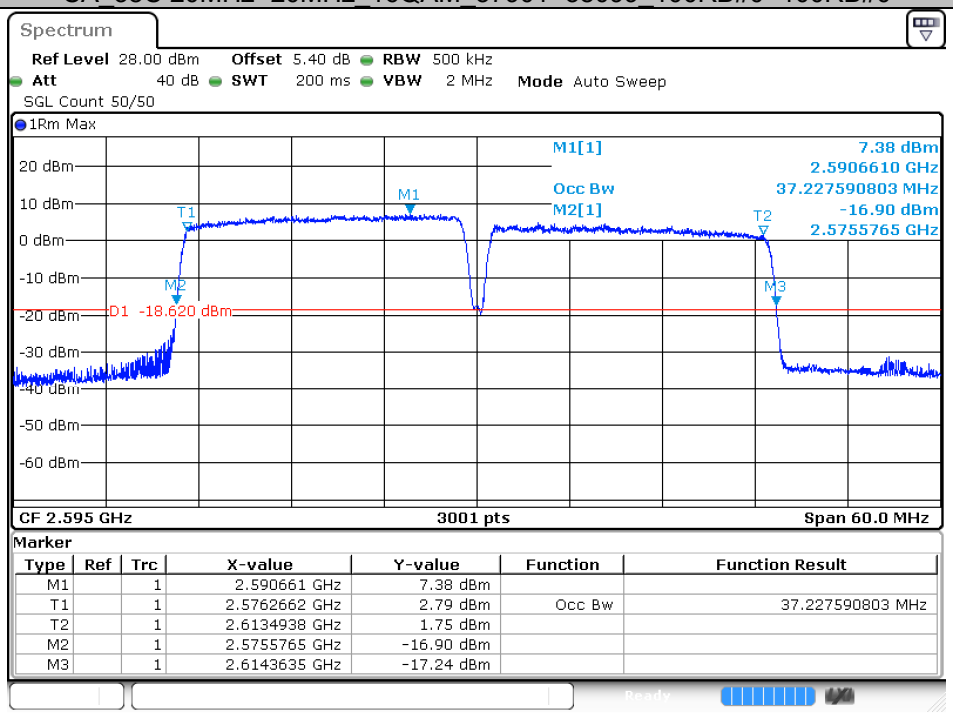
## CA_38C 20MHz+20MHz_16QAM_37901+38099_100RB#0+100RB#0

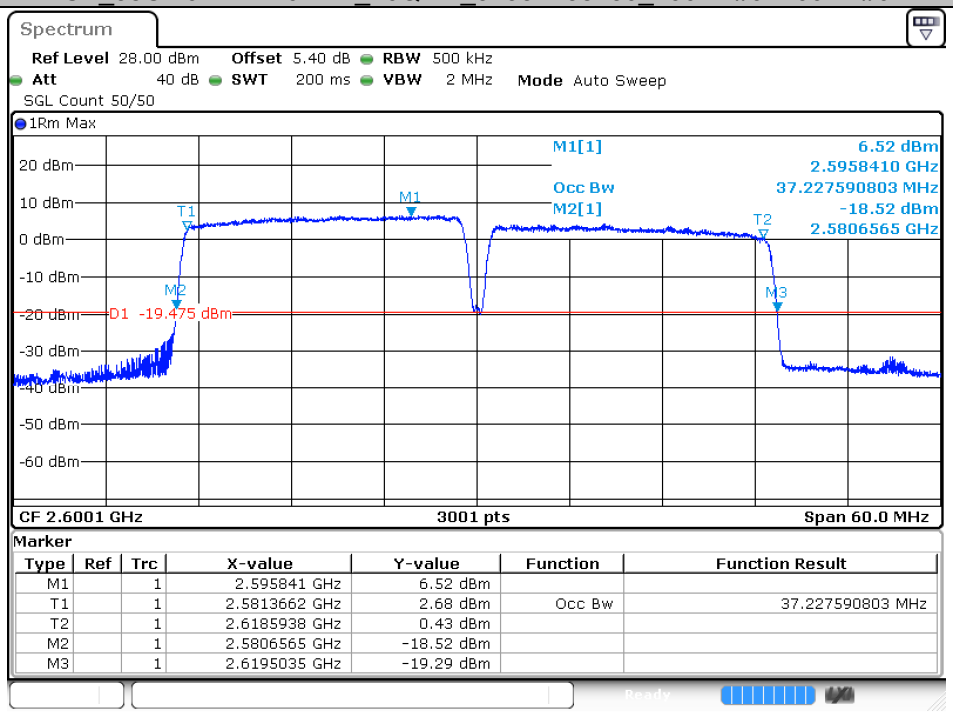



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.590661 GHz | 7.38 dBm | | |
| T1 | | 1 | 2.5762662 GHz | 2.79 dBm | Occ Bw | 37.227590803 MHz |
| T2 | | 1 | 2.6134938 GHz | 1.75 dBm | | |
| M2 | | 1 | 2.5755765 GHz | -16.90 dBm | | |
| M3 | | 1 | 2.6143635 GHz | -17.24 dBm | | |

Date: 19.OCT.2020 18:31:27

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




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.595841 GHz | 6.52 dBm | | |
| T1 | | 1 | 2.5813662 GHz | 2.68 dBm | Occ Bw | 37.227590803 MHz |
| T2 | | 1 | 2.6185938 GHz | 0.43 dBm | | |
| M2 | | 1 | 2.5806565 GHz | -18.52 dBm | | |
| M3 | | 1 | 2.6195035 GHz | -19.29 dBm | | |

Date: 19.OCT.2020 18:32:21

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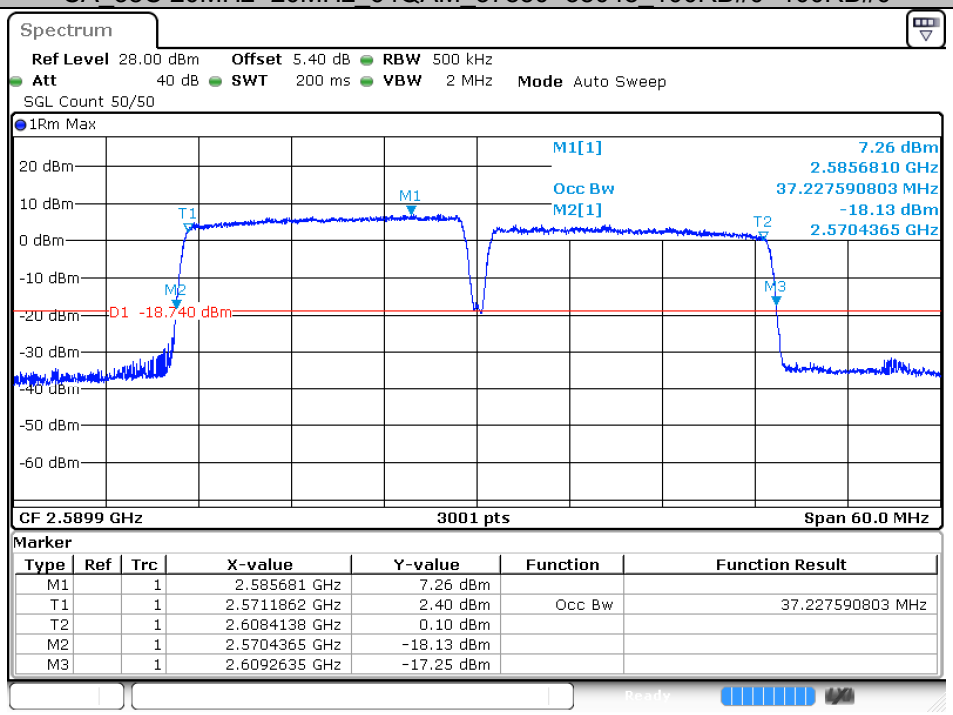
## CA_38C 20MHz+20MHz_64QAM_37850+38048_100RB#0+100RB#0

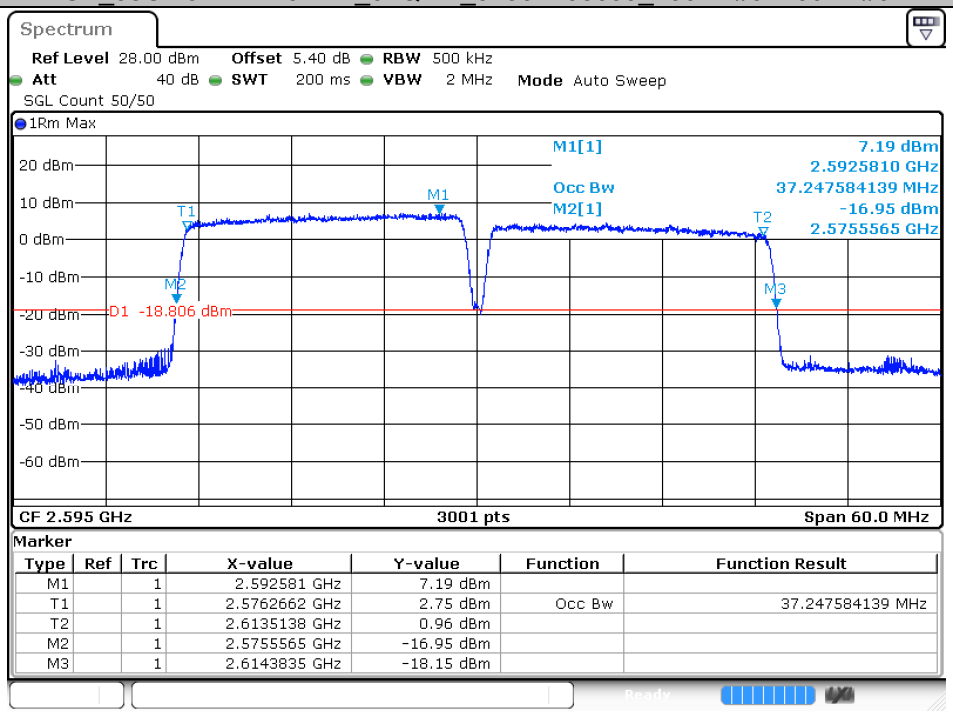



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.585681 GHz | 7.26 dBm | | |
| T1 | | 1 | 2.5711862 GHz | 2.40 dBm | Occ Bw | 37.227590803 MHz |
| T2 | | 1 | 2.6084138 GHz | 0.10 dBm | | |
| M2 | | 1 | 2.5704365 GHz | -18.13 dBm | | |
| M3 | | 1 | 2.6092635 GHz | -17.25 dBm | | |

Date: 19.OCT.2020 18:30:44

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




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.592581 GHz | 7.19 dBm | | |
| T1 | | 1 | 2.5762662 GHz | 2.75 dBm | Occ Bw | 37.247584139 MHz |
| T2 | | 1 | 2.6135138 GHz | 0.96 dBm | | |
| M2 | | 1 | 2.5755565 GHz | -16.95 dBm | | |
| M3 | | 1 | 2.6143835 GHz | -18.15 dBm | | |

Date: 19.OCT.2020 18:31:43

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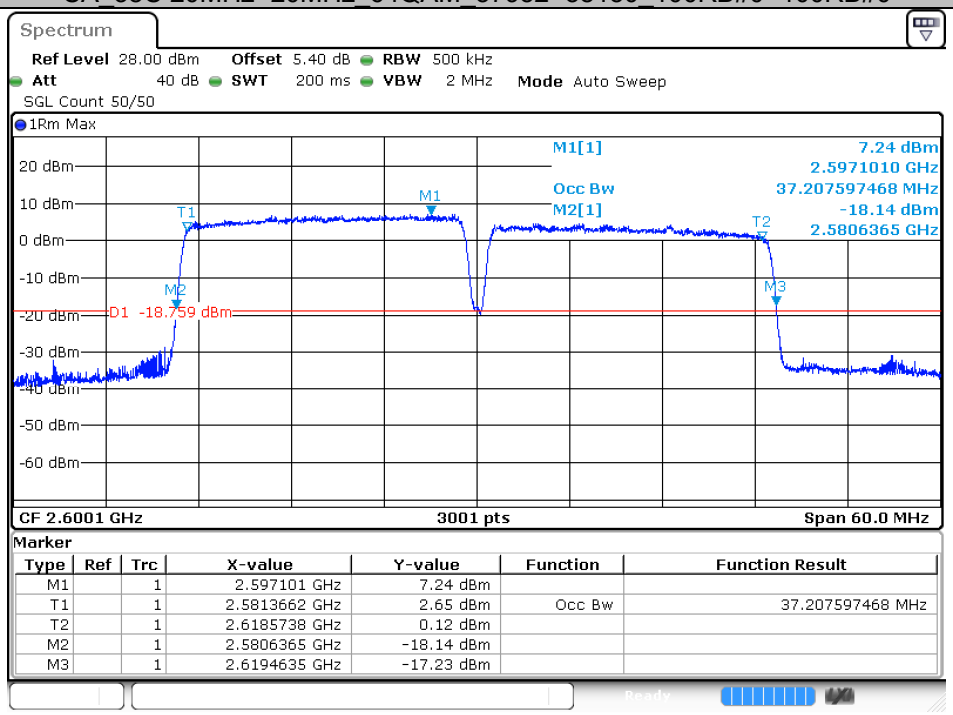
CA_38C 20MHz+20MHz_64QAM_37952+38150_100RB#0+100RB#0




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 2.597101 GHz | 7.24 dBm | | |
| T1 | | 1 | 2.5813662 GHz | 2.65 dBm | Occ Bw | 37.207597468 MHz |
| T2 | | 1 | 2.6185738 GHz | 0.12 dBm | | |
| M2 | | 1 | 2.5806365 GHz | -18.14 dBm | | |
| M3 | | 1 | 2.6194635 GHz | -17.23 dBm | | |

Date: 19.OCT.2020 18:32:37

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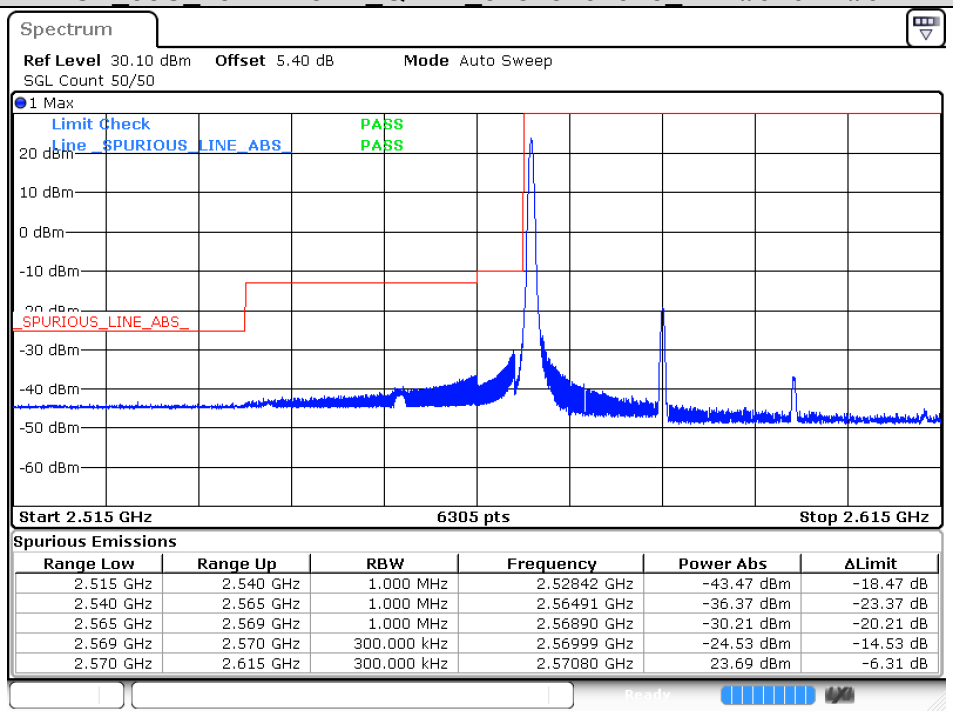
# 5 Band Edges Compliance

## 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 | 2.52842 GHz | -43.47 dBm | -18.47 dB |
| 2.540 GHz | 2.565 GHz | 1.000 MHz | 2.56491 GHz | -36.37 dBm | -23.37 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56890 GHz | -30.21 dBm | -20.21 dB |
| 2.569 GHz | 2.570 GHz | 300.000 kHz | 2.56999 GHz | -24.53 dBm | -14.53 dB |
| 2.570 GHz | 2.615 GHz | 300.000 kHz | 2.57080 GHz | 23.69 dBm | -6.31 dB |

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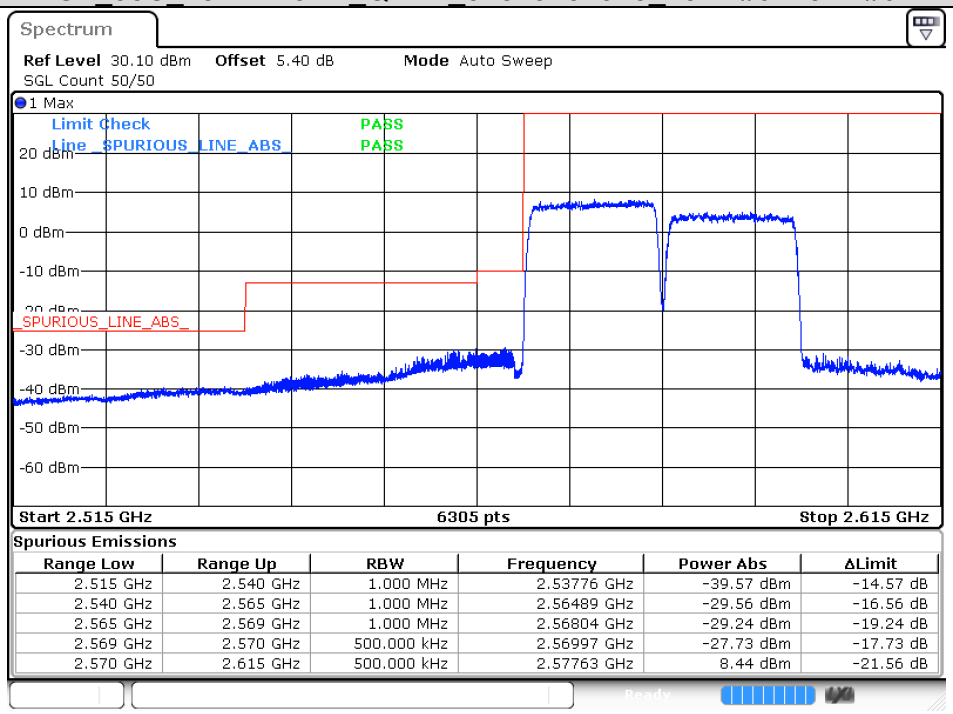
## CA_38C_75RB+75RB_QPSK_37825+37975_75RB#0+75RB#0

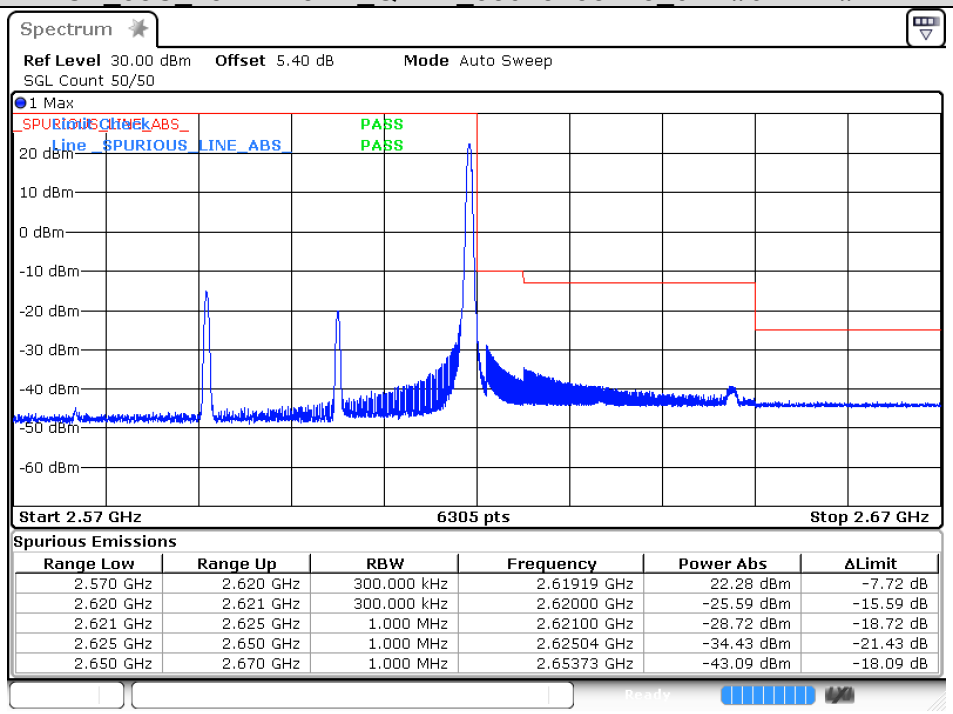



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.515 GHz | 2.540 GHz | 1.000 MHz | 2.53776 GHz | -39.57 dBm | -14.57 dB |
| 2.540 GHz | 2.565 GHz | 1.000 MHz | 2.56489 GHz | -29.56 dBm | -16.56 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56804 GHz | -29.24 dBm | -19.24 dB |
| 2.569 GHz | 2.570 GHz | 500.000 kHz | 2.56997 GHz | -27.73 dBm | -17.73 dB |
| 2.570 GHz | 2.615 GHz | 500.000 kHz | 2.57763 GHz | 8.44 dBm | -21.56 dB |

Date: 19.OCT.2020 18:35:09

## 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 | 2.61919 GHz | 22.28 dBm | -7.72 dB |
| 2.620 GHz | 2.621 GHz | 300.000 kHz | 2.62000 GHz | -25.59 dBm | -15.59 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62100 GHz | -28.72 dBm | -18.72 dB |
| 2.625 GHz | 2.650 GHz | 1.000 MHz | 2.62504 GHz | -34.43 dBm | -21.43 dB |
| 2.650 GHz | 2.670 GHz | 1.000 MHz | 2.65373 GHz | -43.09 dBm | -18.09 dB |

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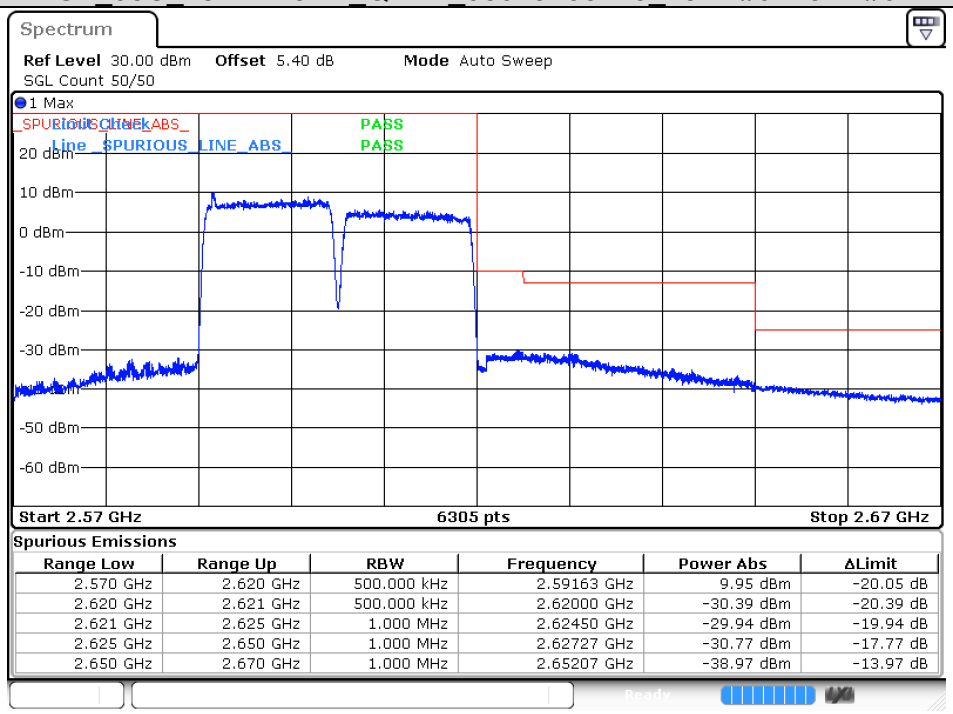
## CA_38C_75RB+75RB_QPSK_38025+38175_75RB#0+75RB#0

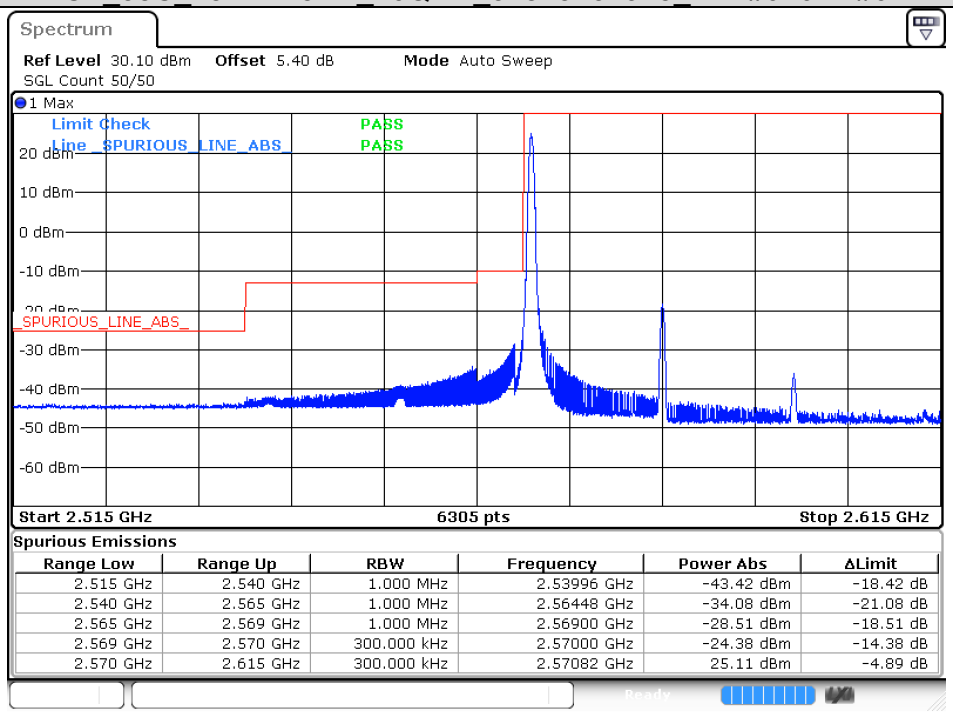



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.570 GHz | 2.620 GHz | 500.000 kHz | 2.59163 GHz | 9.95 dBm | -20.05 dB |
| 2.620 GHz | 2.621 GHz | 500.000 kHz | 2.62000 GHz | -30.39 dBm | -20.39 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62450 GHz | -29.94 dBm | -19.94 dB |
| 2.625 GHz | 2.650 GHz | 1.000 MHz | 2.62727 GHz | -30.77 dBm | -17.77 dB |
| 2.650 GHz | 2.670 GHz | 1.000 MHz | 2.65207 GHz | -38.97 dBm | -13.97 dB |

Date: 19.OCT.2020 18:38:46

## 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 | 2.53996 GHz | -43.42 dBm | -18.42 dB |
| 2.540 GHz | 2.565 GHz | 1.000 MHz | 2.56448 GHz | -34.08 dBm | -21.08 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56900 GHz | -28.51 dBm | -18.51 dB |
| 2.569 GHz | 2.570 GHz | 300.000 kHz | 2.57000 GHz | -24.38 dBm | -14.38 dB |
| 2.570 GHz | 2.615 GHz | 300.000 kHz | 2.57082 GHz | 25.11 dBm | -4.89 dB |

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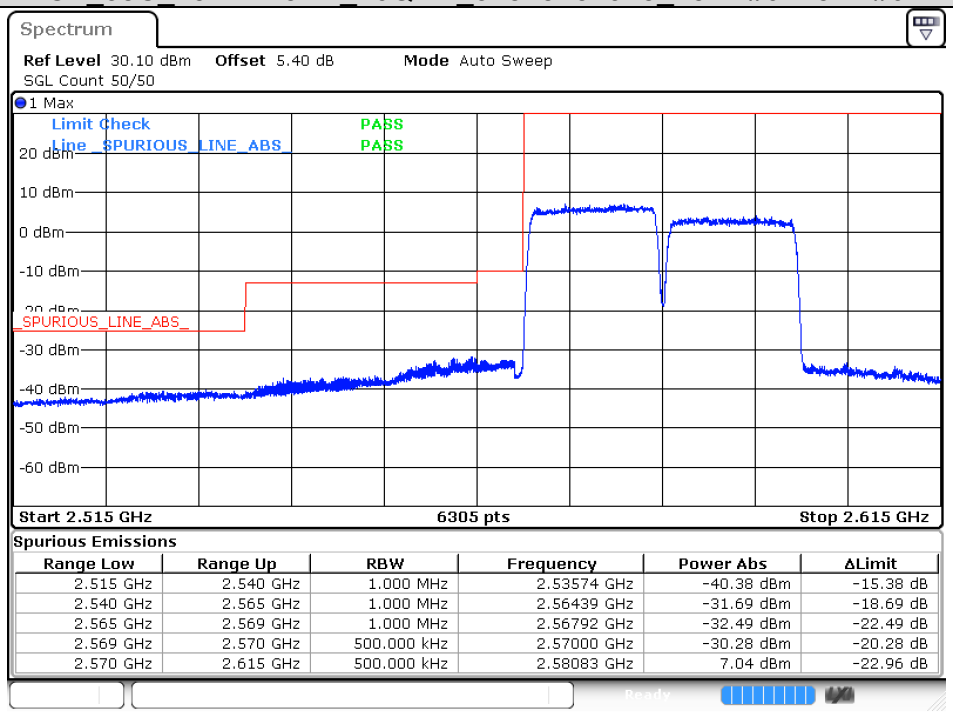
## CA_38C_75RB+75RB_16QAM_37825+37975_75RB#0+75RB#0

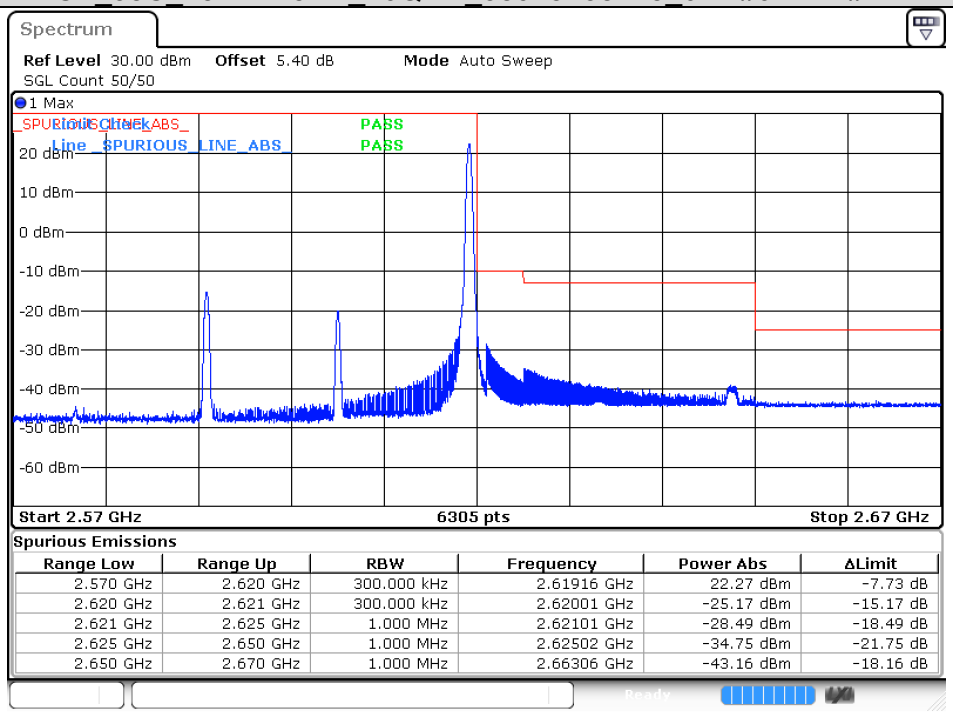



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.515 GHz | 2.540 GHz | 1.000 MHz | 2.53574 GHz | -40.38 dBm | -15.38 dB |
| 2.540 GHz | 2.565 GHz | 1.000 MHz | 2.56439 GHz | -31.69 dBm | -18.69 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56792 GHz | -32.49 dBm | -22.49 dB |
| 2.569 GHz | 2.570 GHz | 500.000 kHz | 2.57000 GHz | -30.28 dBm | -20.28 dB |
| 2.570 GHz | 2.615 GHz | 500.000 kHz | 2.58083 GHz | 7.04 dBm | -22.96 dB |

Date: 19.OCT.2020 18:35:38

## 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 | 22.27 dBm | -7.73 dB |
| 2.620 GHz | 2.621 GHz | 300.000 kHz | 2.62001 GHz | -25.17 dBm | -15.17 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62101 GHz | -28.49 dBm | -18.49 dB |
| 2.625 GHz | 2.650 GHz | 1.000 MHz | 2.62502 GHz | -34.75 dBm | -21.75 dB |
| 2.650 GHz | 2.670 GHz | 1.000 MHz | 2.66306 GHz | -43.16 dBm | -18.16 dB |

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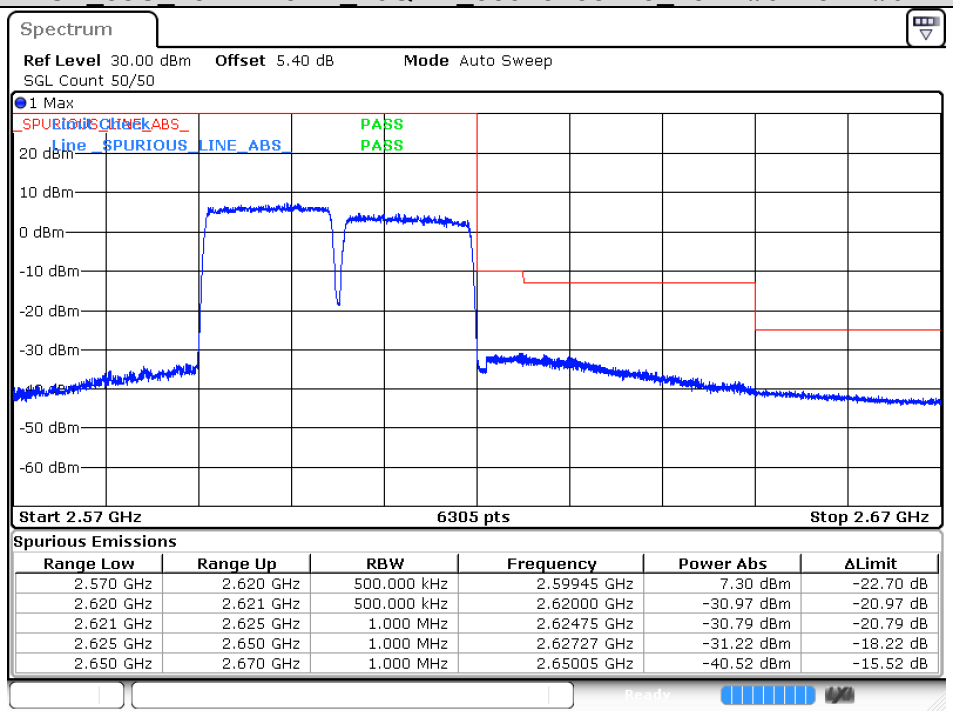
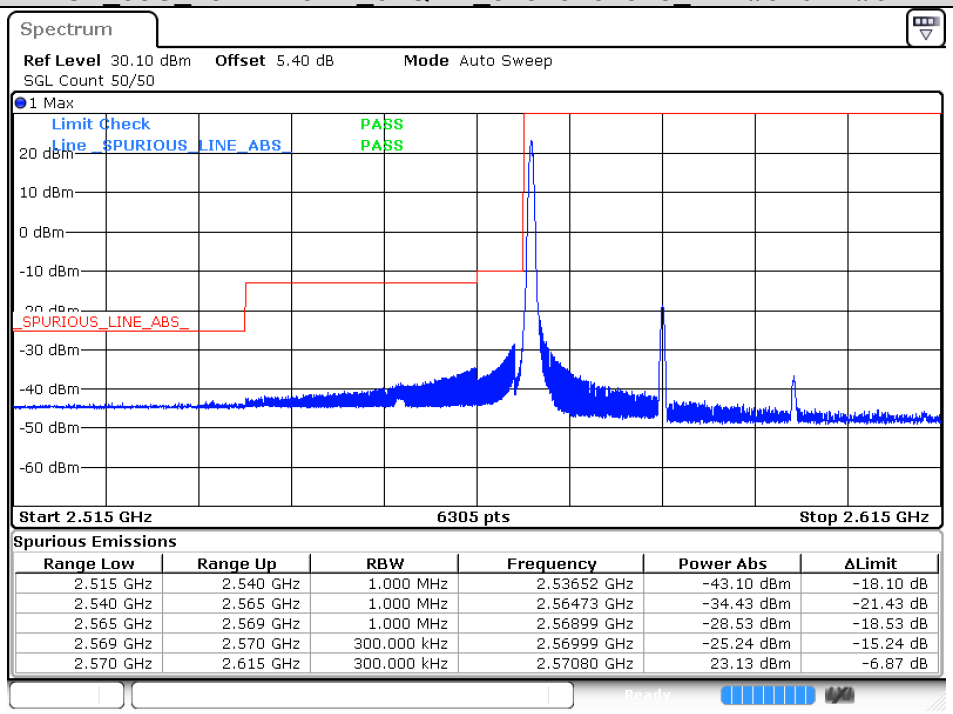



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.570 GHz | 2.620 GHz | 500.000 kHz | 2.59945 GHz | 7.30 dBm | -22.70 dB |
| 2.620 GHz | 2.621 GHz | 500.000 kHz | 2.62000 GHz | -30.97 dBm | -20.97 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62475 GHz | -30.79 dBm | -20.79 dB |
| 2.625 GHz | 2.650 GHz | 1.000 MHz | 2.62727 GHz | -31.22 dBm | -18.22 dB |
| 2.650 GHz | 2.670 GHz | 1.000 MHz | 2.65005 GHz | -40.52 dBm | -15.52 dB |

Date: 19.OCT.2020 18:39:07

## CA_38C_75RB+75RB_64QAM_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 | 2.53652 GHz | -43.10 dBm | -18.10 dB |
| 2.540 GHz | 2.565 GHz | 1.000 MHz | 2.56473 GHz | -34.43 dBm | -21.43 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56899 GHz | -28.53 dBm | -18.53 dB |
| 2.569 GHz | 2.570 GHz | 300.000 kHz | 2.56999 GHz | -25.24 dBm | -15.24 dB |
| 2.570 GHz | 2.615 GHz | 300.000 kHz | 2.57080 GHz | 23.13 dBm | -6.87 dB |

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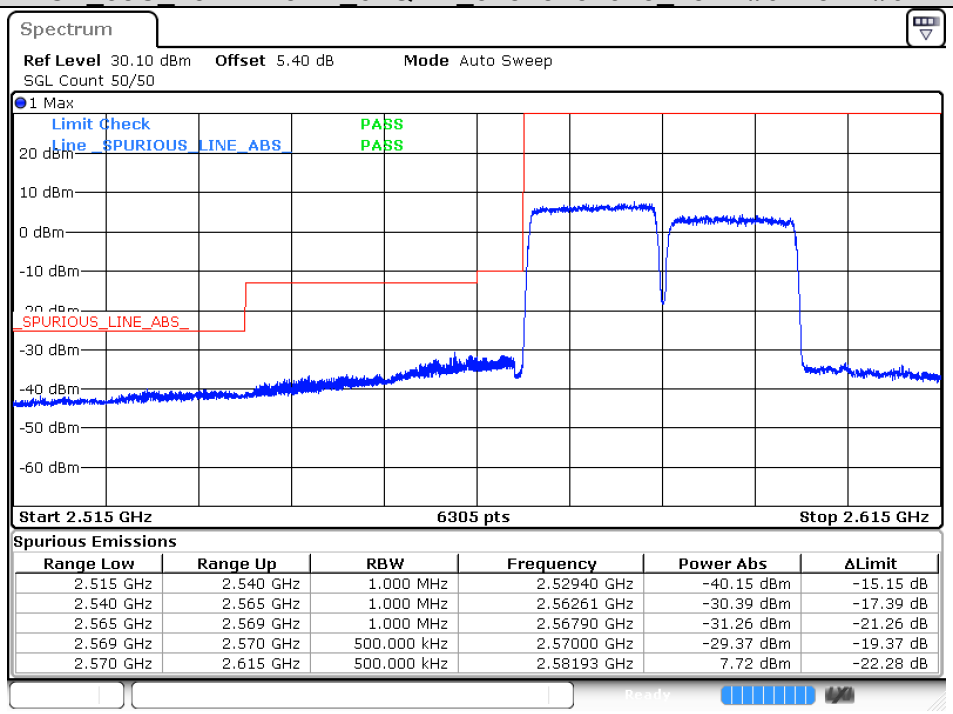
## CA_38C_75RB+75RB_64QAM_37825+37975_75RB#0+75RB#0

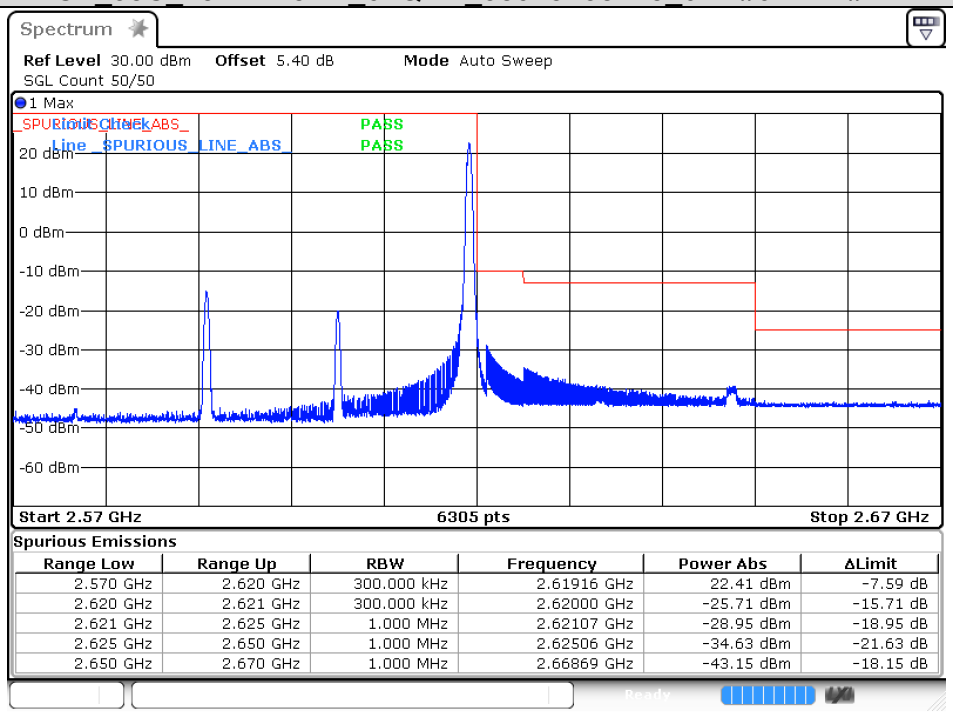



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.515 GHz | 2.540 GHz | 1.000 MHz | 2.52940 GHz | -40.15 dBm | -15.15 dB |
| 2.540 GHz | 2.565 GHz | 1.000 MHz | 2.56261 GHz | -30.39 dBm | -17.39 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56790 GHz | -31.26 dBm | -21.26 dB |
| 2.569 GHz | 2.570 GHz | 500.000 kHz | 2.57000 GHz | -29.37 dBm | -19.37 dB |
| 2.570 GHz | 2.615 GHz | 500.000 kHz | 2.58193 GHz | 7.72 dBm | -22.28 dB |

Date: 19.OCT.2020 18:36:06

## 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 | 2.61916 GHz | 22.41 dBm | -7.59 dB |
| 2.620 GHz | 2.621 GHz | 300.000 kHz | 2.62000 GHz | -25.71 dBm | -15.71 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62107 GHz | -28.95 dBm | -18.95 dB |
| 2.625 GHz | 2.650 GHz | 1.000 MHz | 2.62506 GHz | -34.63 dBm | -21.63 dB |
| 2.650 GHz | 2.670 GHz | 1.000 MHz | 2.66869 GHz | -43.15 dBm | -18.15 dB |

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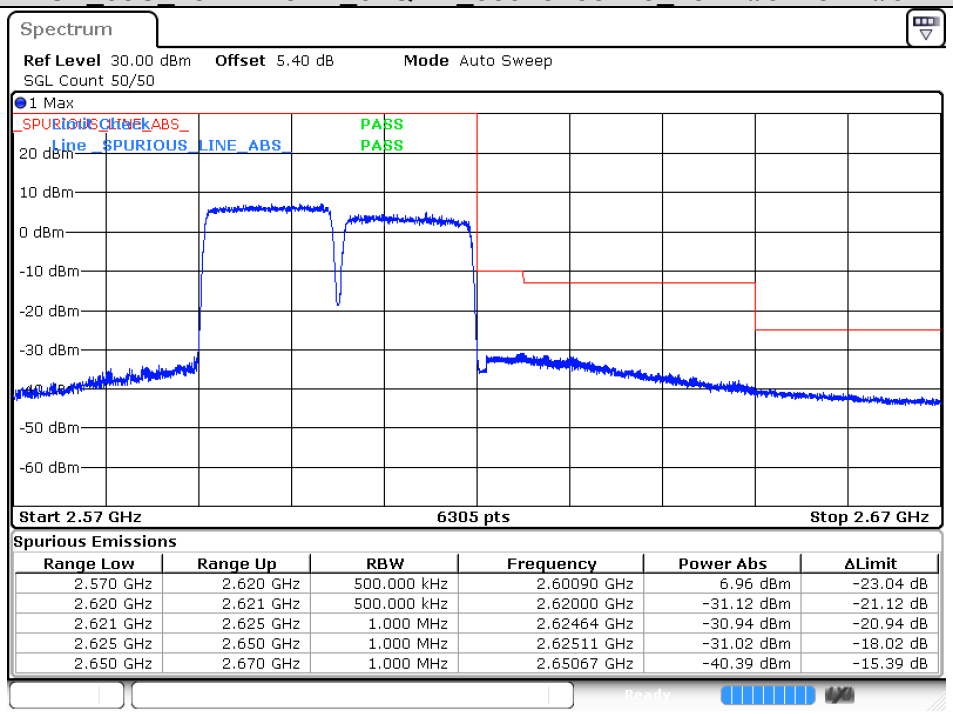
## CA_38C_75RB+75RB_64QAM_38025+38175_75RB#0+75RB#0

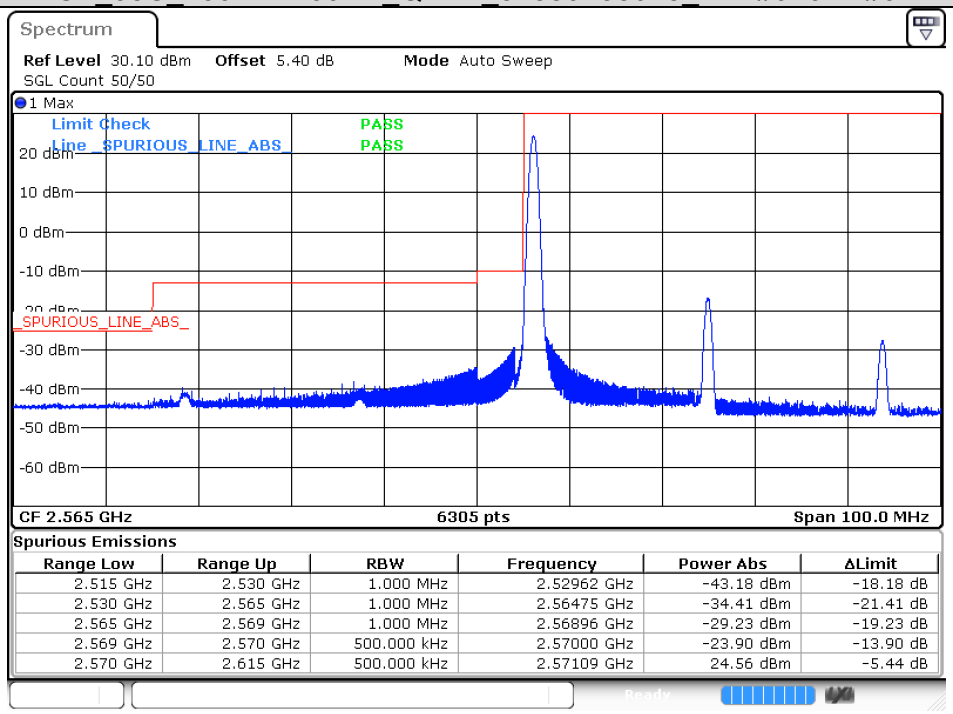



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.570 GHz | 2.620 GHz | 500.000 kHz | 2.60090 GHz | 6.96 dBm | -23.04 dB |
| 2.620 GHz | 2.621 GHz | 500.000 kHz | 2.62000 GHz | -31.12 dBm | -21.12 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62464 GHz | -30.94 dBm | -20.94 dB |
| 2.625 GHz | 2.650 GHz | 1.000 MHz | 2.62511 GHz | -31.02 dBm | -18.02 dB |
| 2.650 GHz | 2.670 GHz | 1.000 MHz | 2.65067 GHz | -40.39 dBm | -15.39 dB |

Date: 19.OCT.2020 18:39:27

## 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 | 2.52962 GHz | -43.18 dBm | -18.18 dB |
| 2.530 GHz | 2.565 GHz | 1.000 MHz | 2.56475 GHz | -34.41 dBm | -21.41 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56896 GHz | -29.23 dBm | -19.23 dB |
| 2.569 GHz | 2.570 GHz | 500.000 kHz | 2.57000 GHz | -23.90 dBm | -13.90 dB |
| 2.570 GHz | 2.615 GHz | 500.000 kHz | 2.57109 GHz | 24.56 dBm | -5.44 dB |

Date: 19.OCT.2020 18:40:04

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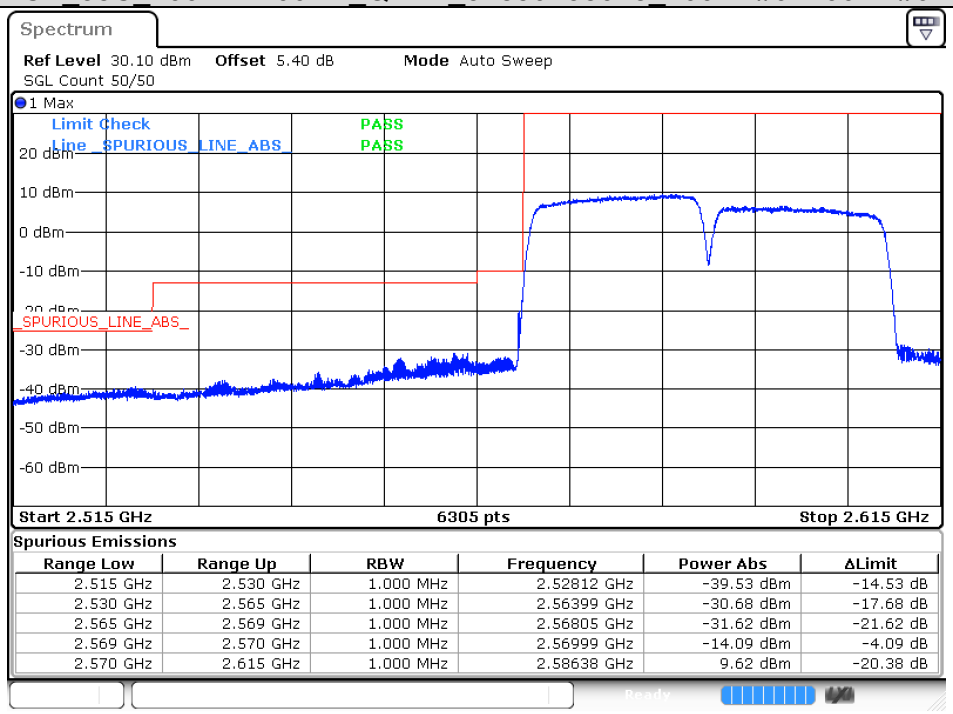
## CA_38C_100RB+100RB_QPSK_37850+38048_100RB#0+100RB#0

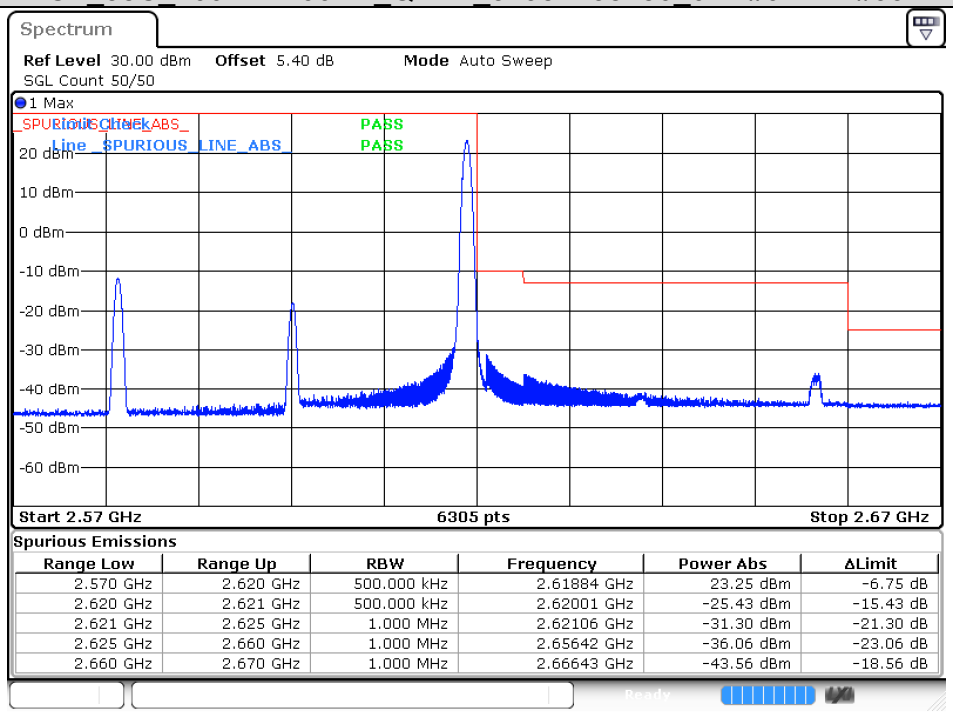



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.515 GHz | 2.530 GHz | 1.000 MHz | 2.52812 GHz | -39.53 dBm | -14.53 dB |
| 2.530 GHz | 2.565 GHz | 1.000 MHz | 2.56399 GHz | -30.68 dBm | -17.68 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56805 GHz | -31.62 dBm | -21.62 dB |
| 2.569 GHz | 2.570 GHz | 1.000 MHz | 2.56999 GHz | -14.09 dBm | -4.09 dB |
| 2.570 GHz | 2.615 GHz | 1.000 MHz | 2.58638 GHz | 9.62 dBm | -20.38 dB |

Date: 19.OCT.2020 18:41:37

## 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 | 2.61884 GHz | 23.25 dBm | -6.75 dB |
| 2.620 GHz | 2.621 GHz | 500.000 kHz | 2.62001 GHz | -25.43 dBm | -15.43 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62106 GHz | -31.30 dBm | -21.30 dB |
| 2.625 GHz | 2.660 GHz | 1.000 MHz | 2.65642 GHz | -36.06 dBm | -23.06 dB |
| 2.660 GHz | 2.670 GHz | 1.000 MHz | 2.66643 GHz | -43.56 dBm | -18.56 dB |

Date: 19.OCT.2020 18:43:14

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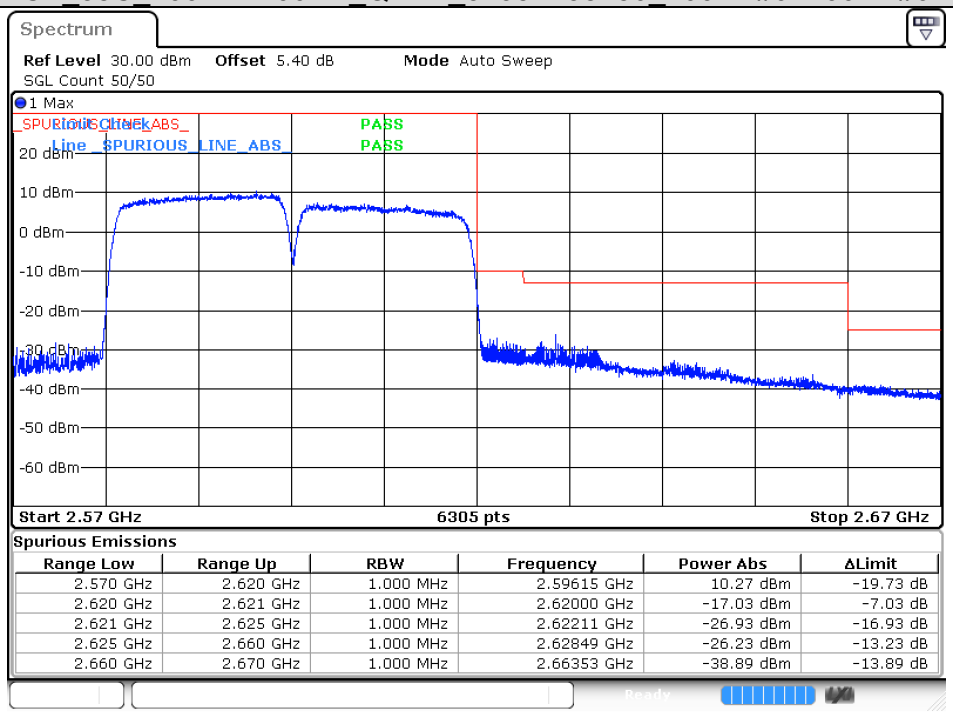
## CA_38C_100RB+100RB_QPSK_37952+38150_100RB#0+100RB#0

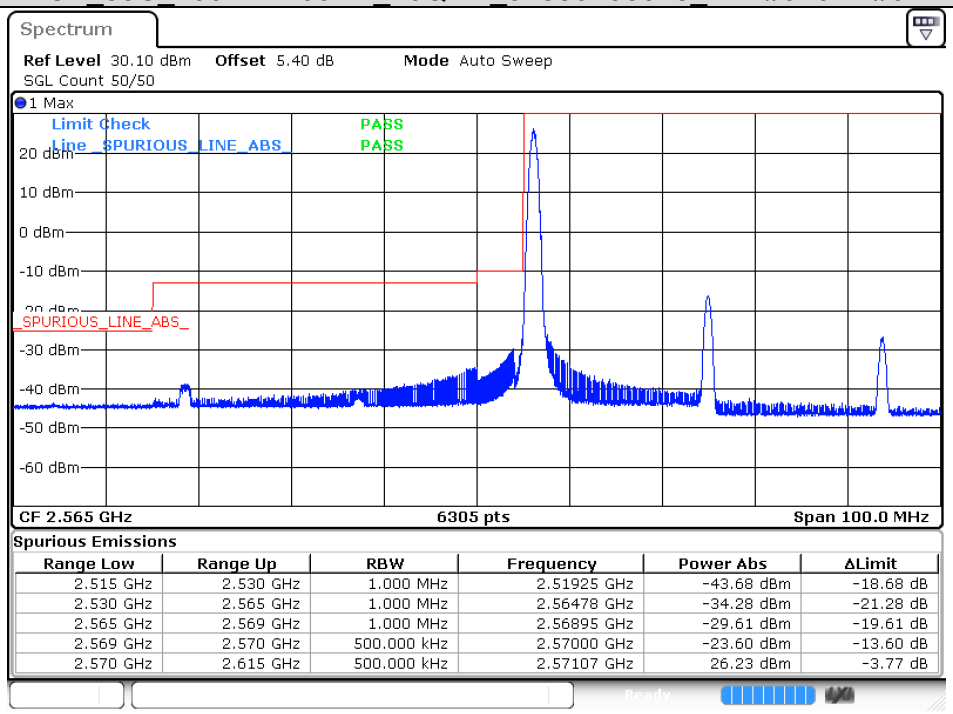



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.570 GHz | 2.620 GHz | 1.000 MHz | 2.59615 GHz | 10.27 dBm | -19.73 dB |
| 2.620 GHz | 2.621 GHz | 1.000 MHz | 2.62000 GHz | -17.03 dBm | -7.03 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62211 GHz | -26.93 dBm | -16.93 dB |
| 2.625 GHz | 2.660 GHz | 1.000 MHz | 2.62849 GHz | -26.23 dBm | -13.23 dB |
| 2.660 GHz | 2.670 GHz | 1.000 MHz | 2.66353 GHz | -38.89 dBm | -13.89 dB |

Date: 19.OCT.2020 18:45:05

## 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 | 2.51925 GHz | -43.68 dBm | -18.68 dB |
| 2.530 GHz | 2.565 GHz | 1.000 MHz | 2.56478 GHz | -34.28 dBm | -21.28 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56895 GHz | -29.61 dBm | -19.61 dB |
| 2.569 GHz | 2.570 GHz | 500.000 kHz | 2.57000 GHz | -23.60 dBm | -13.60 dB |
| 2.570 GHz | 2.615 GHz | 500.000 kHz | 2.57107 GHz | 26.23 dBm | -3.77 dB |

Date: 19.OCT.2020 18:40:33

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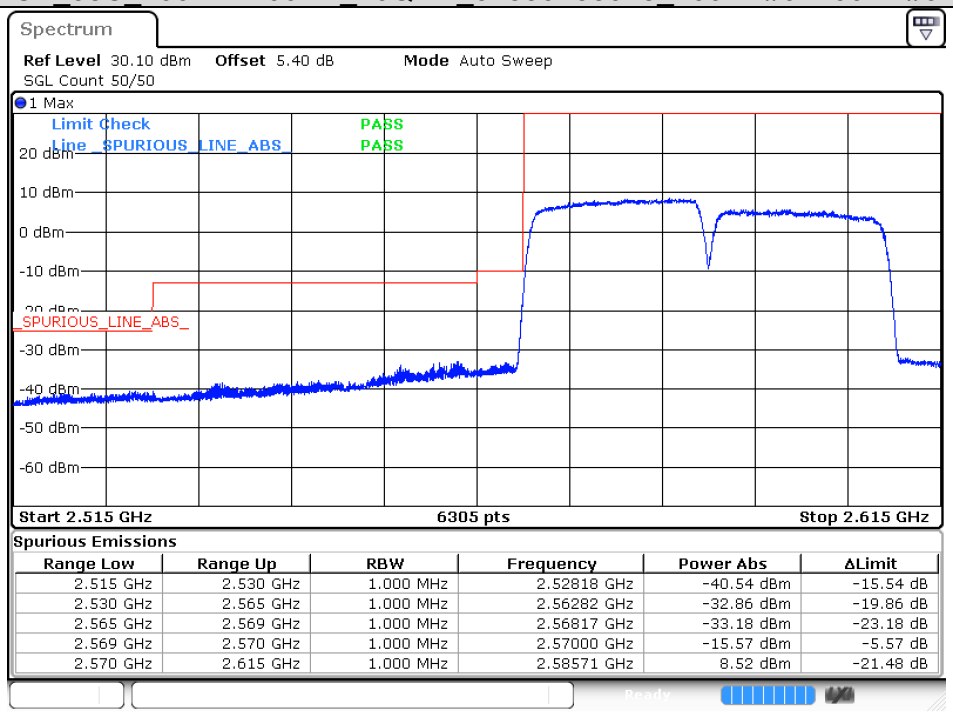
## CA_38C_100RB+100RB_16QAM_37850+38048_100RB#0+100RB#0

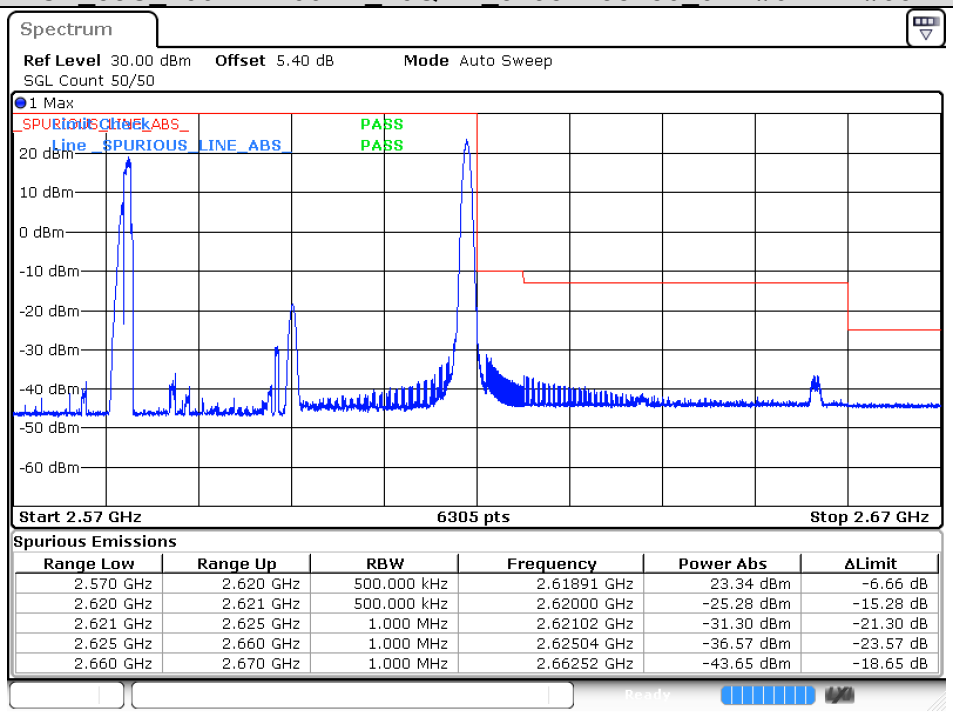



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.515 GHz | 2.530 GHz | 1.000 MHz | 2.52818 GHz | -40.54 dBm | -15.54 dB |
| 2.530 GHz | 2.565 GHz | 1.000 MHz | 2.56282 GHz | -32.86 dBm | -19.86 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56817 GHz | -33.18 dBm | -23.18 dB |
| 2.569 GHz | 2.570 GHz | 1.000 MHz | 2.57000 GHz | -15.57 dBm | -5.57 dB |
| 2.570 GHz | 2.615 GHz | 1.000 MHz | 2.58571 GHz | 8.52 dBm | -21.48 dB |

Date: 19.OCT.2020 18:42:05

## 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 | 2.61891 GHz | 23.34 dBm | -6.66 dB |
| 2.620 GHz | 2.621 GHz | 500.000 kHz | 2.62000 GHz | -25.28 dBm | -15.28 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62102 GHz | -31.30 dBm | -21.30 dB |
| 2.625 GHz | 2.660 GHz | 1.000 MHz | 2.62504 GHz | -36.57 dBm | -23.57 dB |
| 2.660 GHz | 2.670 GHz | 1.000 MHz | 2.66252 GHz | -43.65 dBm | -18.65 dB |

Date: 19.OCT.2020 18:43:42

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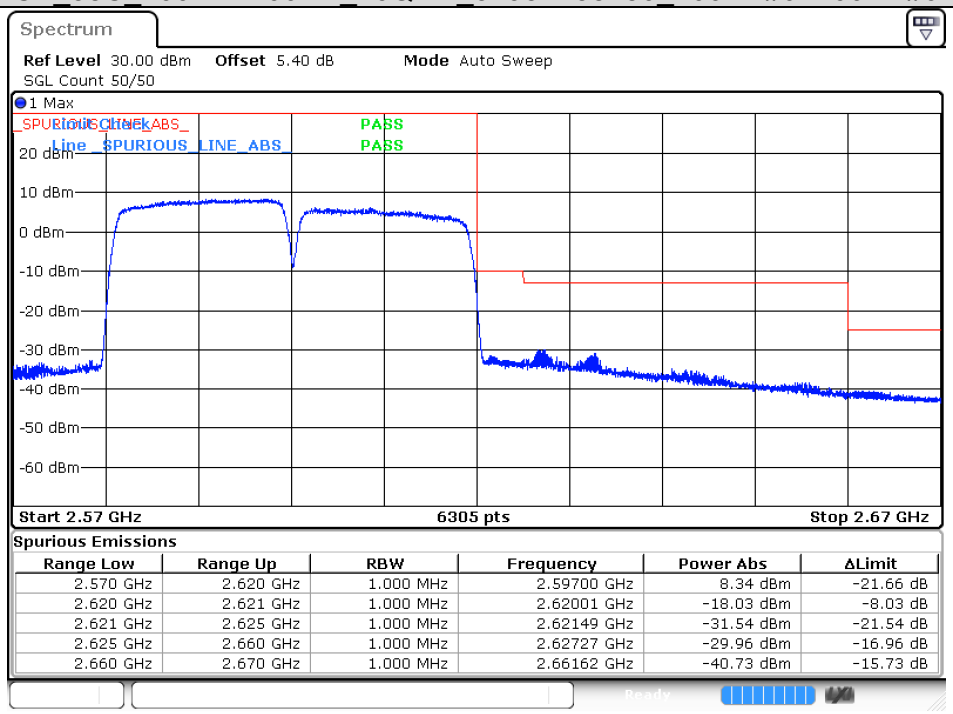
## CA_38C_100RB+100RB_16QAM_37952+38150_100RB#0+100RB#0

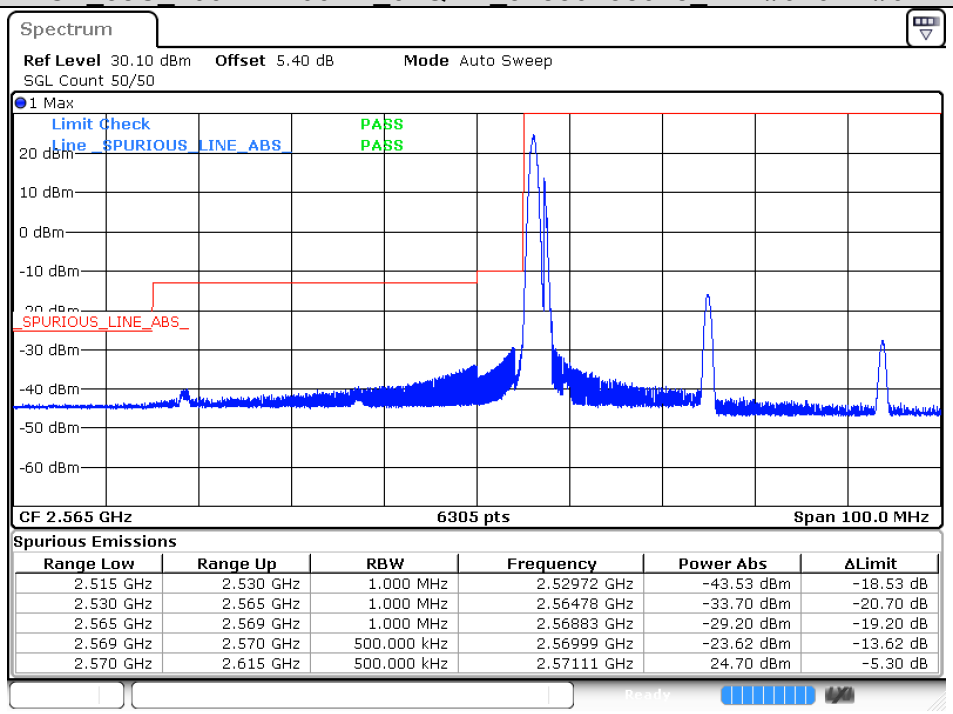



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.570 GHz | 2.620 GHz | 1.000 MHz | 2.59700 GHz | 8.34 dBm | -21.66 dB |
| 2.620 GHz | 2.621 GHz | 1.000 MHz | 2.62001 GHz | -18.03 dBm | -8.03 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62149 GHz | -31.54 dBm | -21.54 dB |
| 2.625 GHz | 2.660 GHz | 1.000 MHz | 2.62727 GHz | -29.96 dBm | -16.96 dB |
| 2.660 GHz | 2.670 GHz | 1.000 MHz | 2.66162 GHz | -40.73 dBm | -15.73 dB |

Date: 19.OCT.2020 18:45:33

## CA_38C_100RB+100RB_64QAM_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 | 2.52972 GHz | -43.53 dBm | -18.53 dB |
| 2.530 GHz | 2.565 GHz | 1.000 MHz | 2.56478 GHz | -33.70 dBm | -20.70 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56883 GHz | -29.20 dBm | -19.20 dB |
| 2.569 GHz | 2.570 GHz | 500.000 kHz | 2.56999 GHz | -23.62 dBm | -13.62 dB |
| 2.570 GHz | 2.615 GHz | 500.000 kHz | 2.57111 GHz | 24.70 dBm | -5.30 dB |

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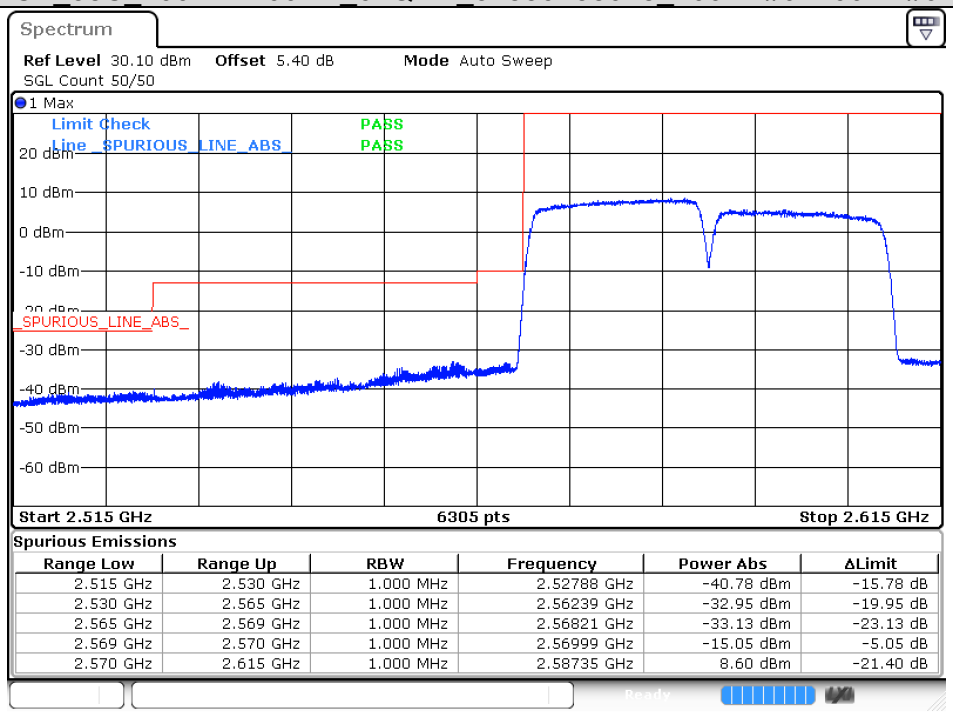
## CA_38C_100RB+100RB_64QAM_37850+38048_100RB#0+100RB#0

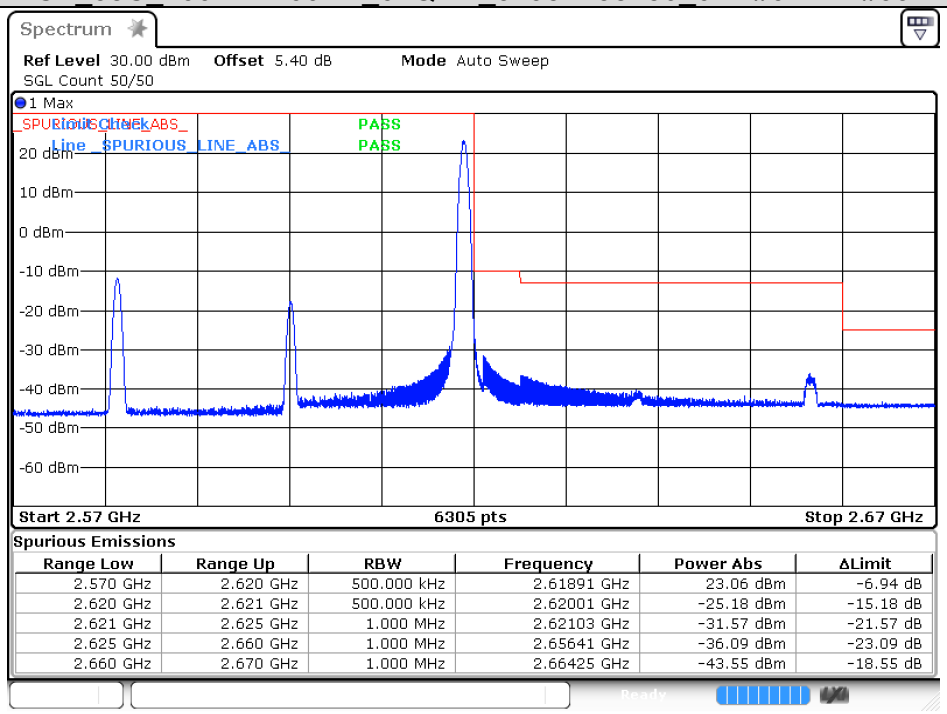



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.515 GHz | 2.530 GHz | 1.000 MHz | 2.52788 GHz | -40.78 dBm | -15.78 dB |
| 2.530 GHz | 2.565 GHz | 1.000 MHz | 2.56239 GHz | -32.95 dBm | -19.95 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56821 GHz | -33.13 dBm | -23.13 dB |
| 2.569 GHz | 2.570 GHz | 1.000 MHz | 2.56999 GHz | -15.05 dBm | -5.05 dB |
| 2.570 GHz | 2.615 GHz | 1.000 MHz | 2.58735 GHz | 8.60 dBm | -21.40 dB |

Date: 19.OCT.2020 18:42:34

## CA_38C_100RB+100RB_64QAM_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 | 23.06 dBm | -6.94 dB |
| 2.620 GHz | 2.621 GHz | 500.000 kHz | 2.62001 GHz | -25.18 dBm | -15.18 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62103 GHz | -31.57 dBm | -21.57 dB |
| 2.625 GHz | 2.660 GHz | 1.000 MHz | 2.65641 GHz | -36.09 dBm | -23.09 dB |
| 2.660 GHz | 2.670 GHz | 1.000 MHz | 2.66425 GHz | -43.55 dBm | -18.55 dB |

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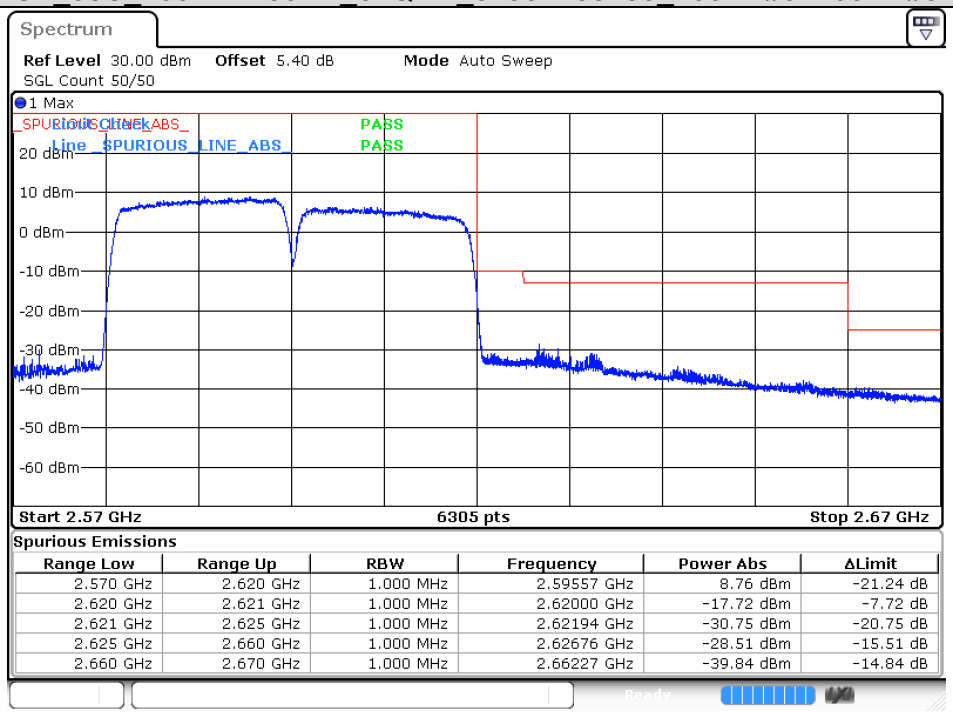
CA_38C_100RB+100RB_64QAM_37952+38150_100RB#0+100RB#0




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.570 GHz | 2.620 GHz | 1.000 MHz | 2.59557 GHz | 8.76 dBm | -21.24 dB |
| 2.620 GHz | 2.621 GHz | 1.000 MHz | 2.62000 GHz | -17.72 dBm | -7.72 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62194 GHz | -30.75 dBm | -20.75 dB |
| 2.625 GHz | 2.660 GHz | 1.000 MHz | 2.62676 GHz | -28.51 dBm | -15.51 dB |
| 2.660 GHz | 2.670 GHz | 1.000 MHz | 2.66227 GHz | -39.84 dBm | -14.84 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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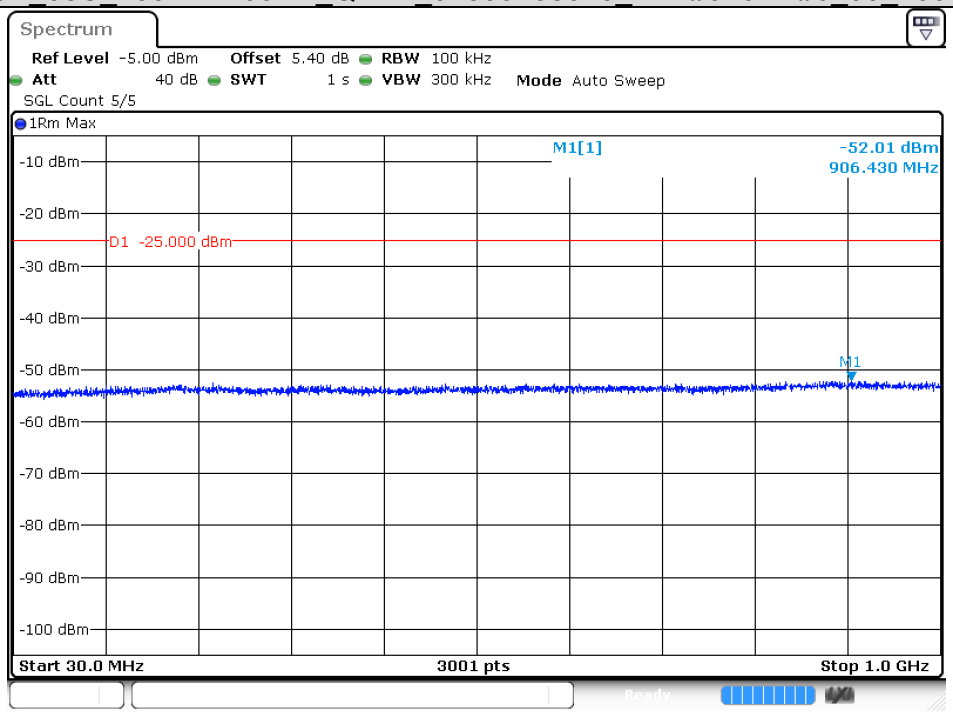


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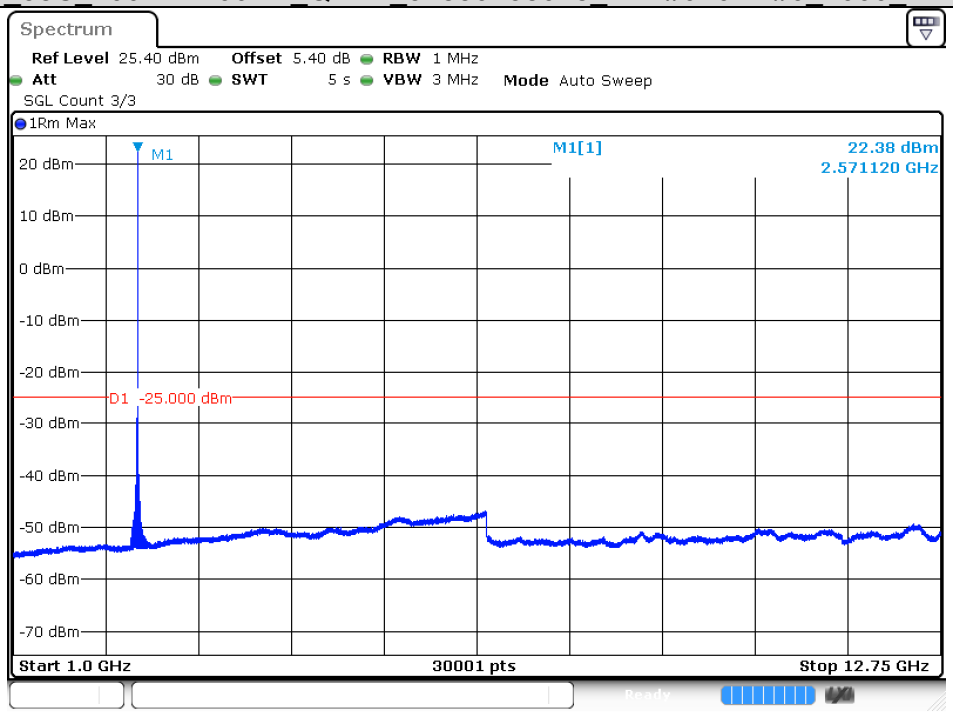


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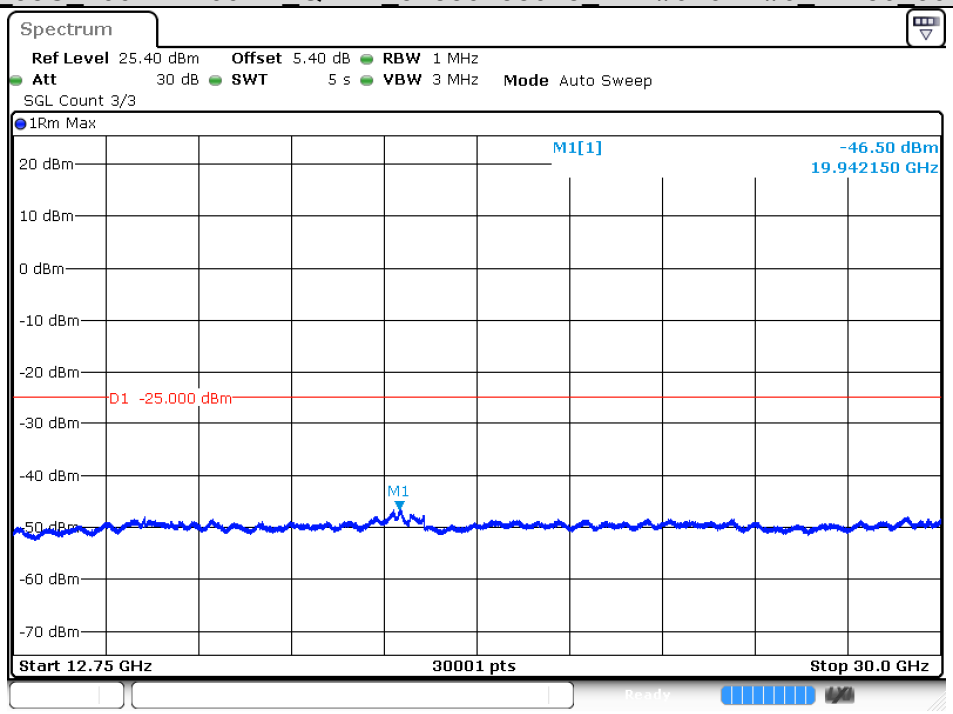


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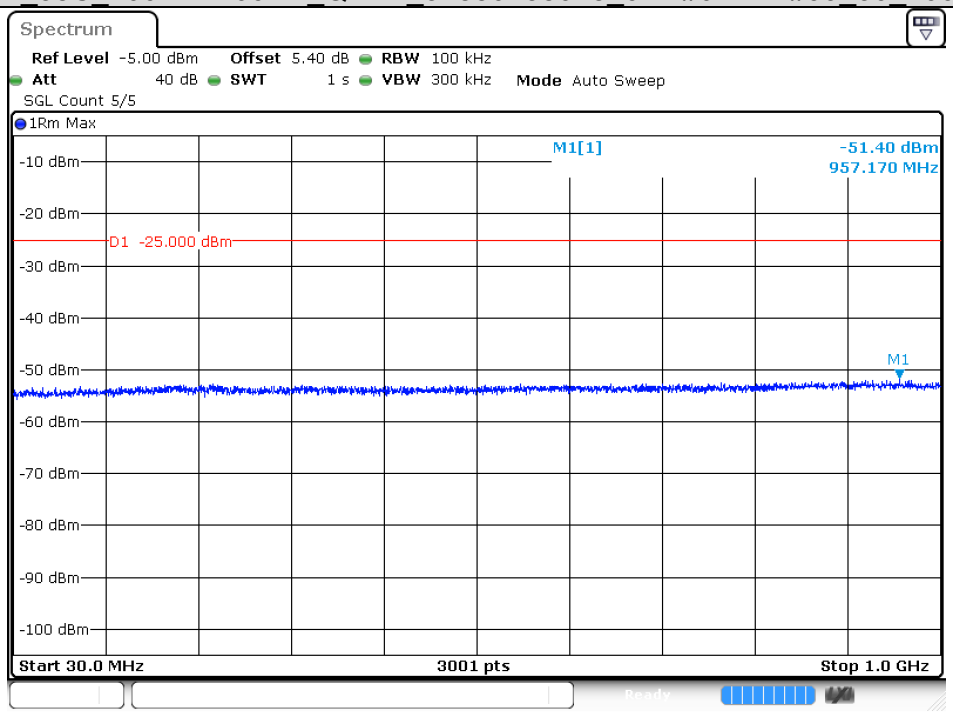


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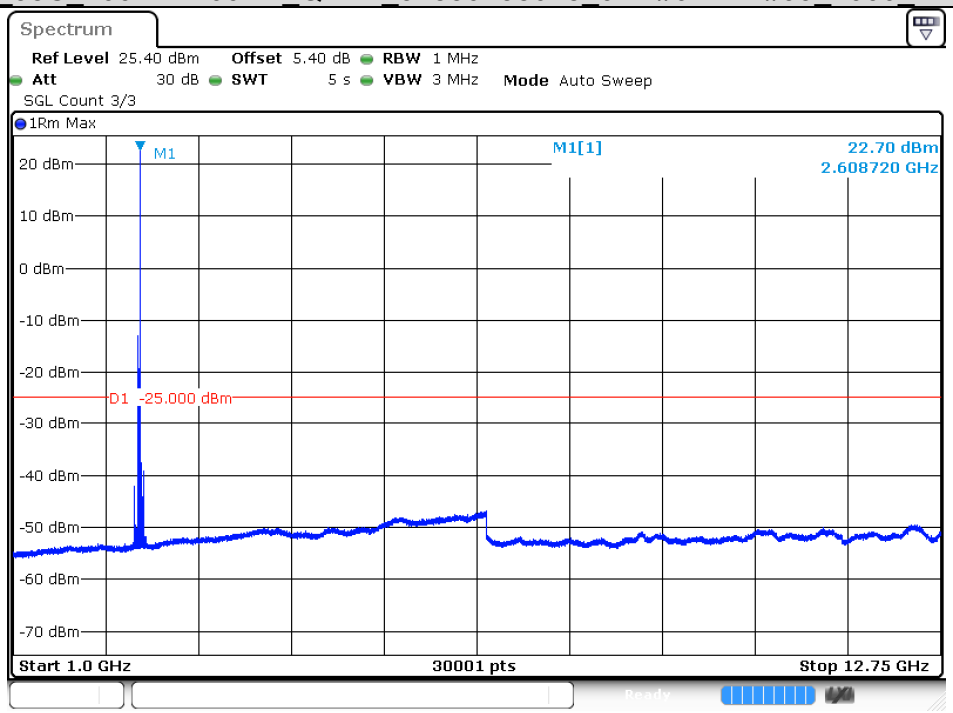


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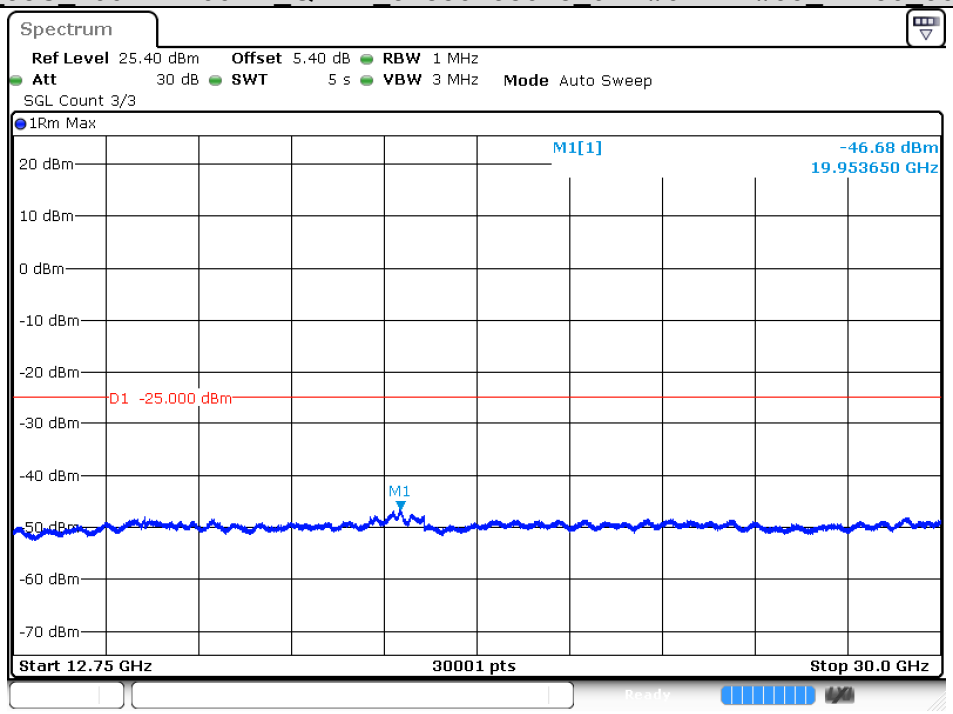


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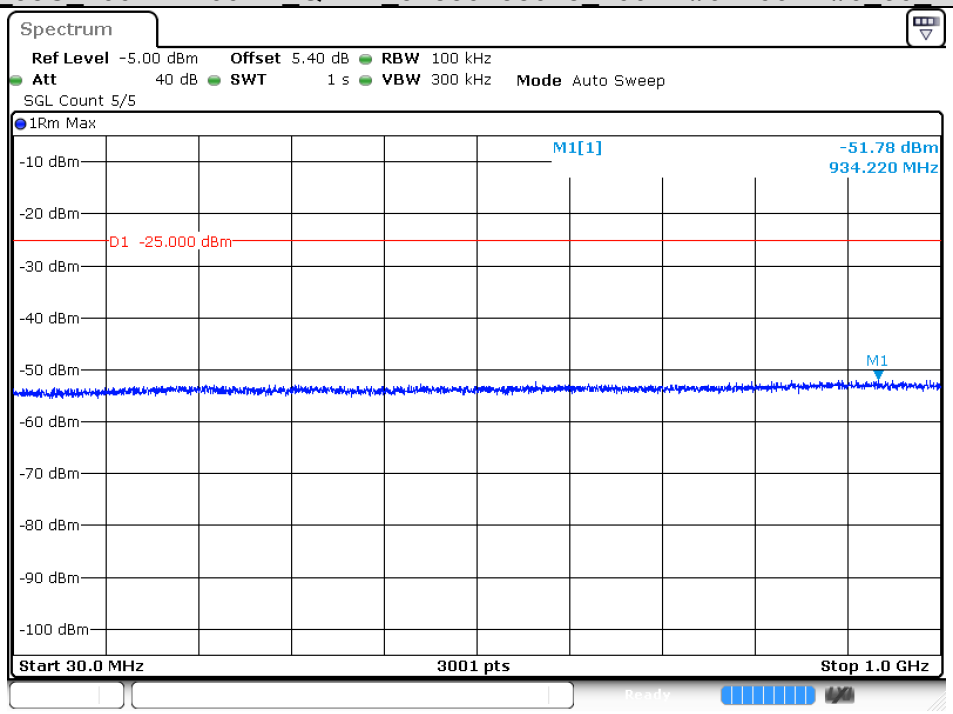


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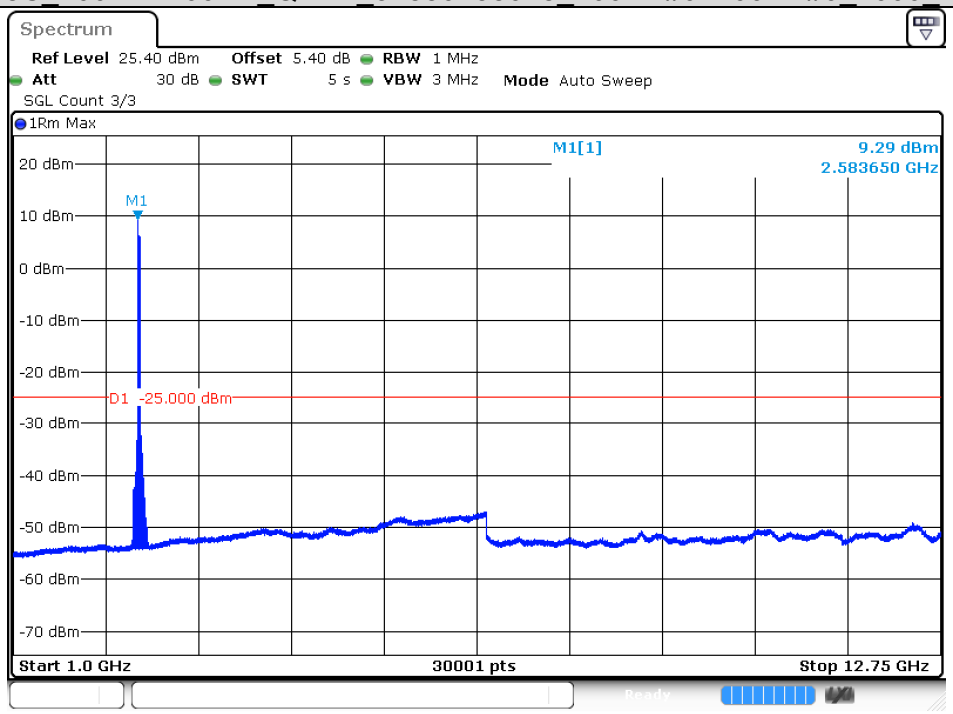


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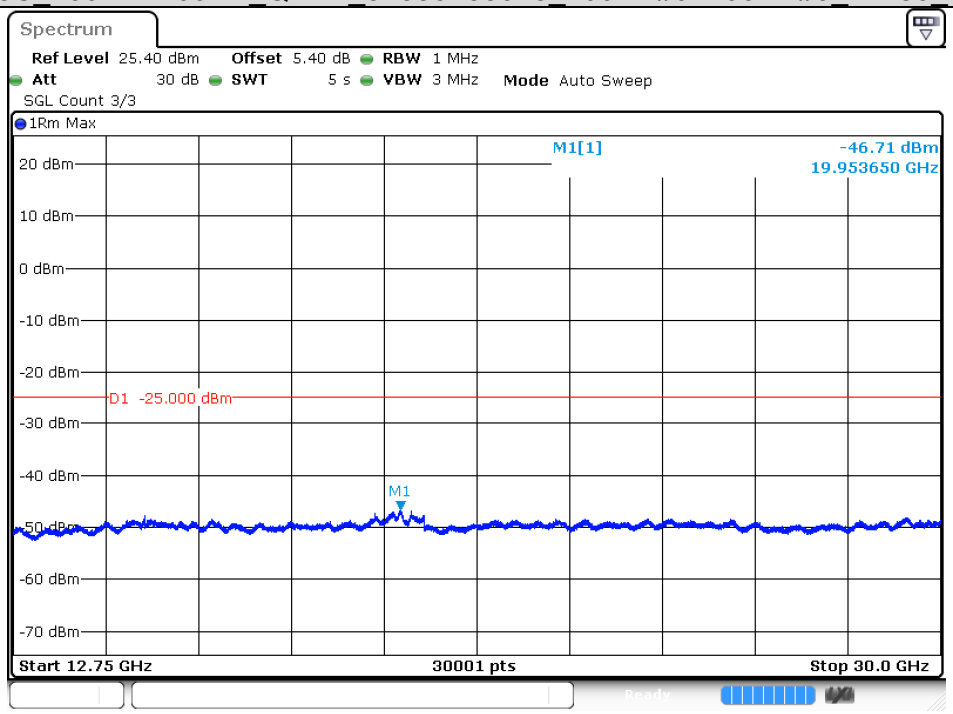


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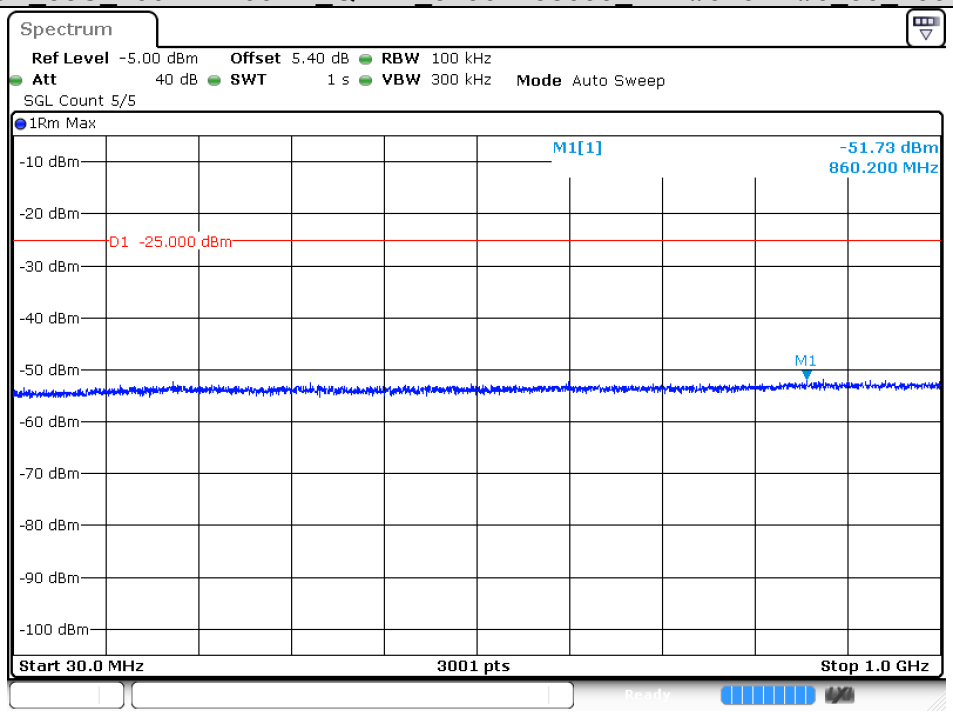


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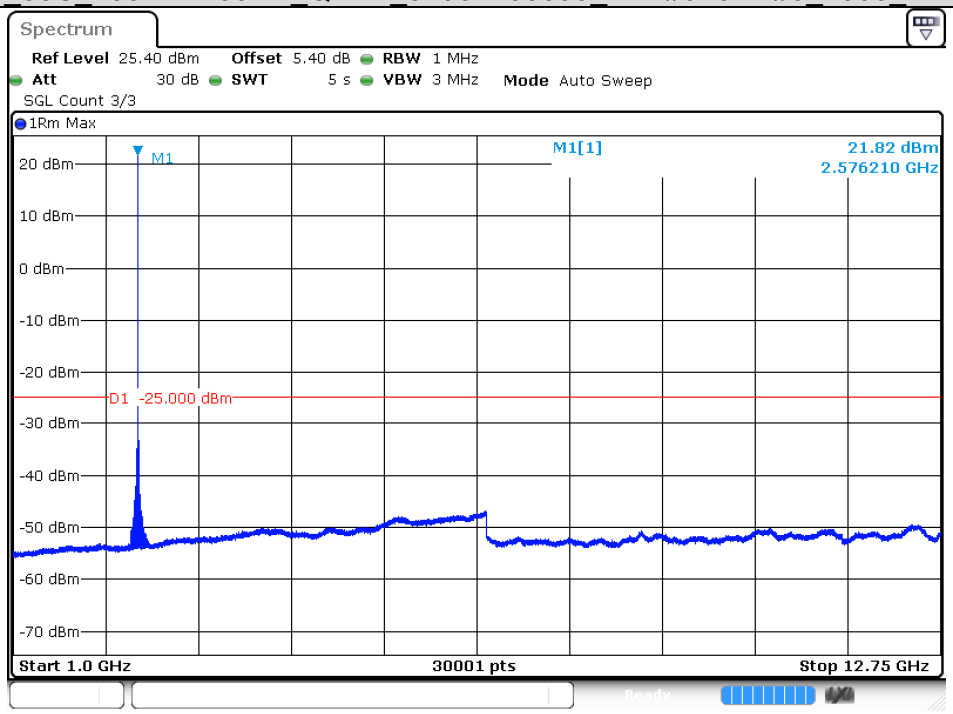


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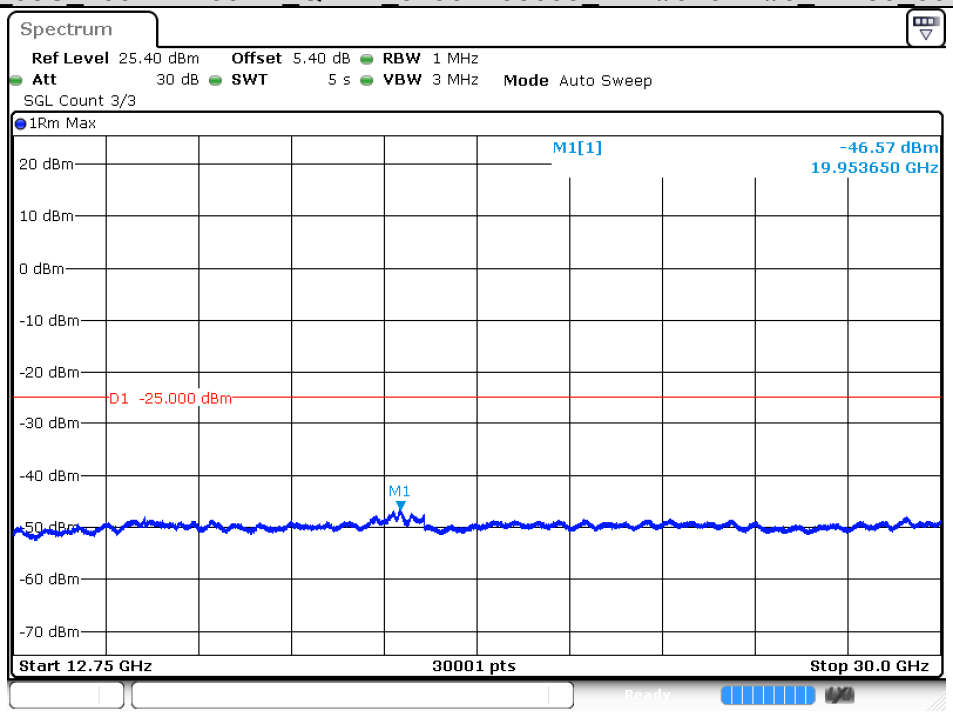


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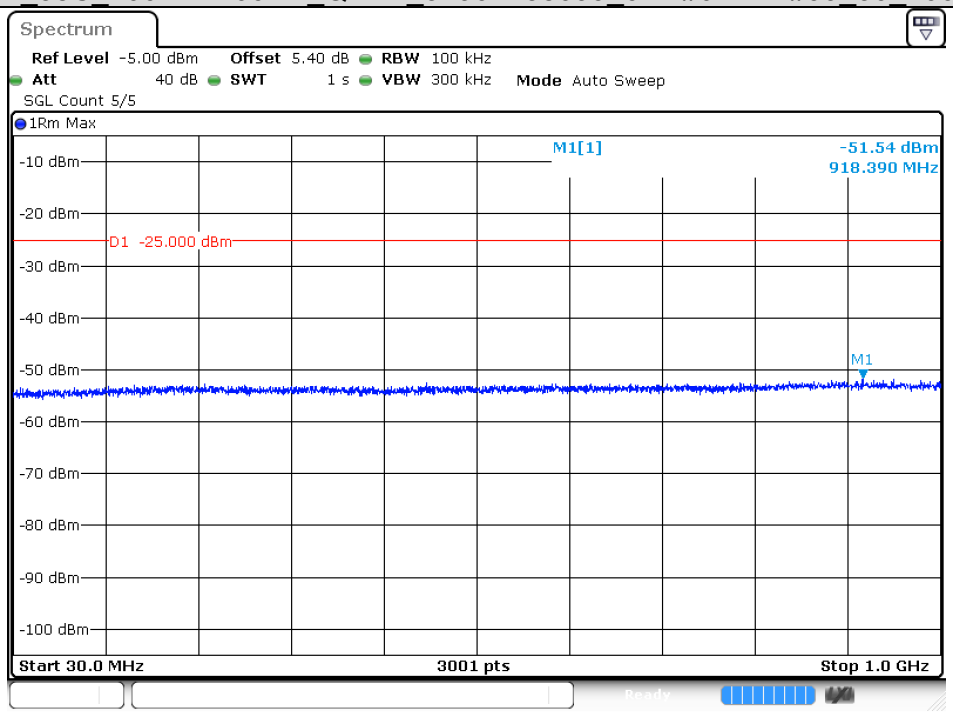


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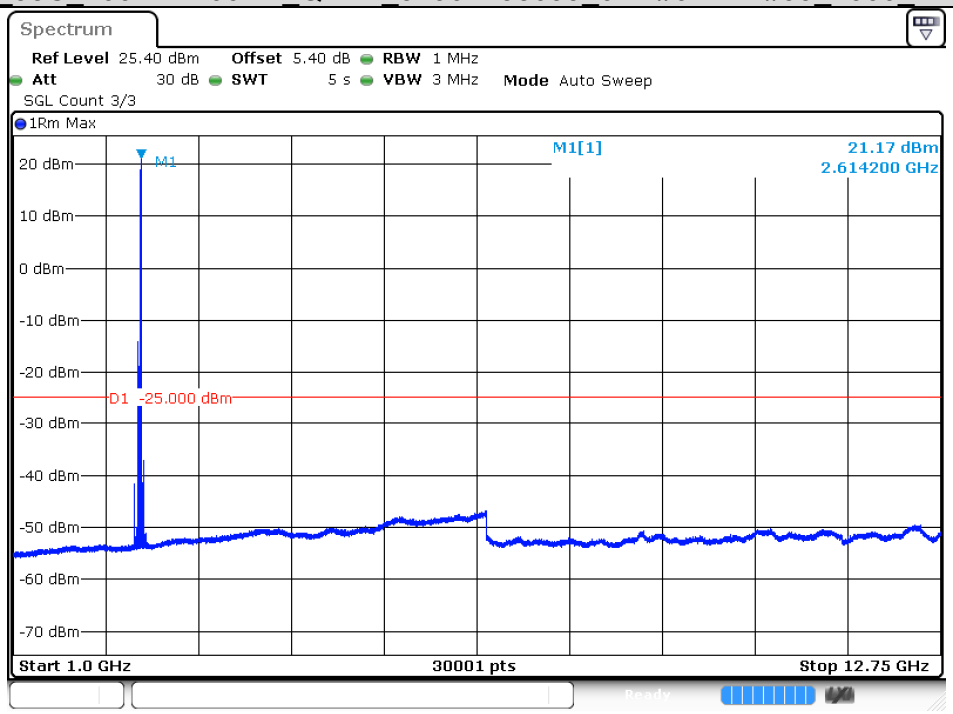


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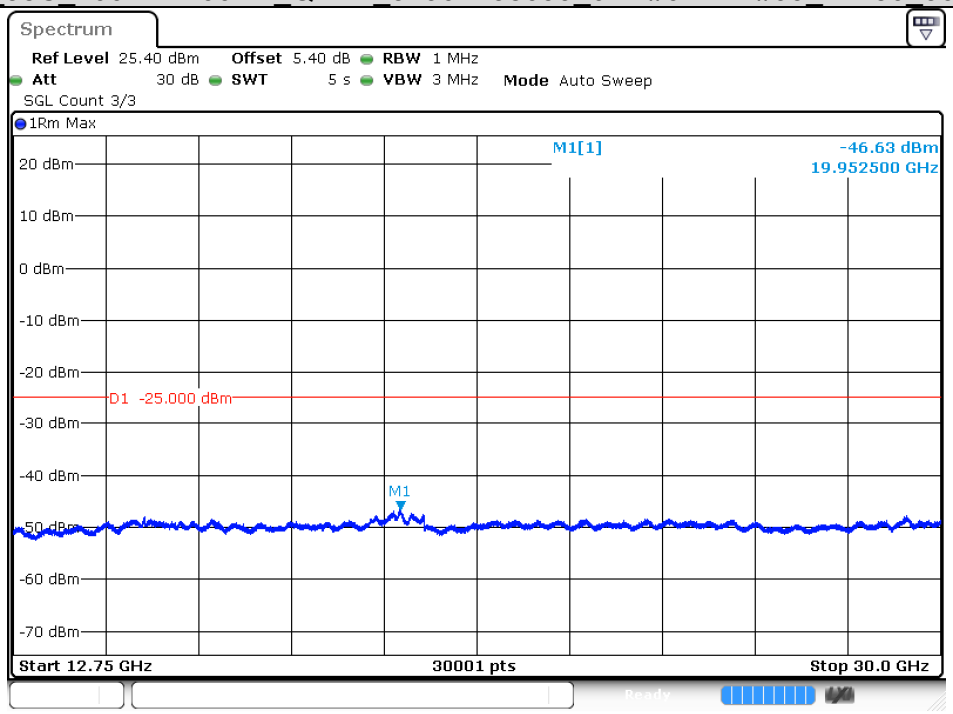


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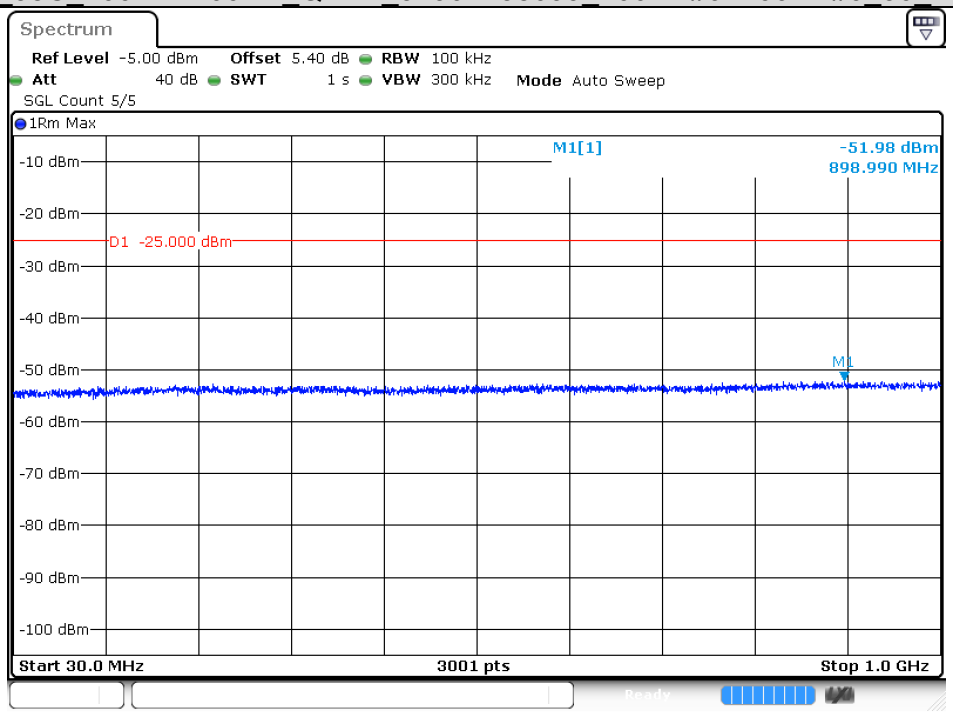


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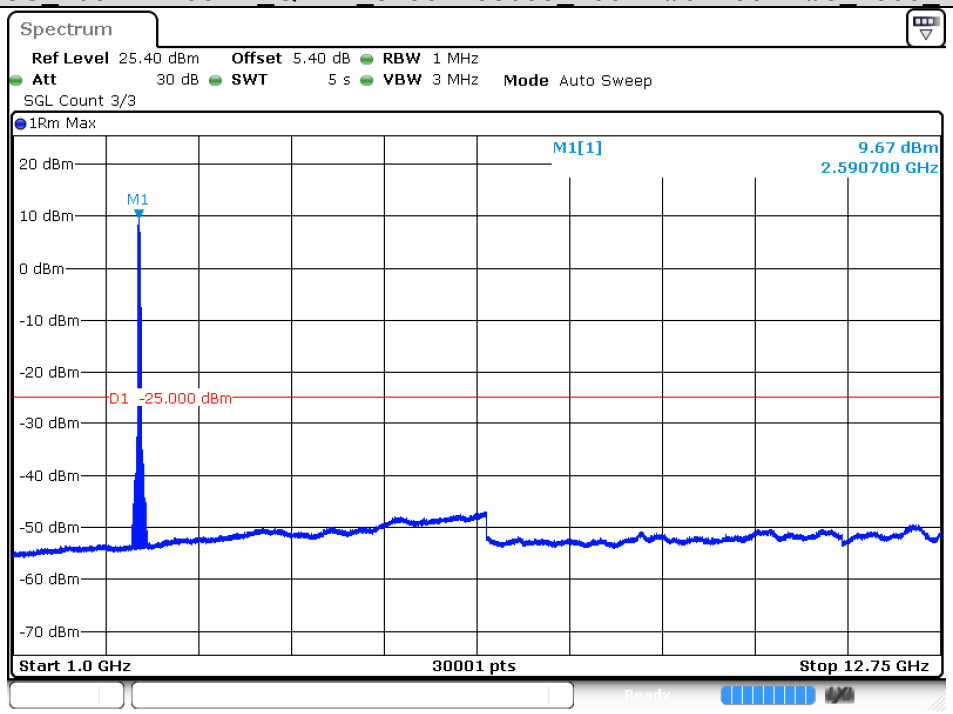


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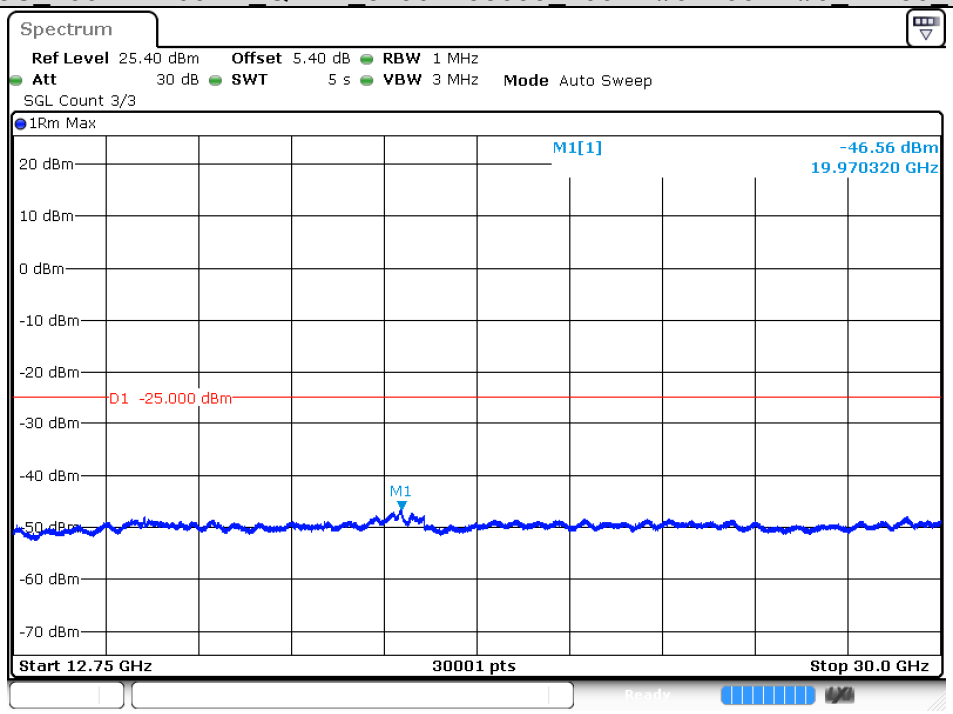


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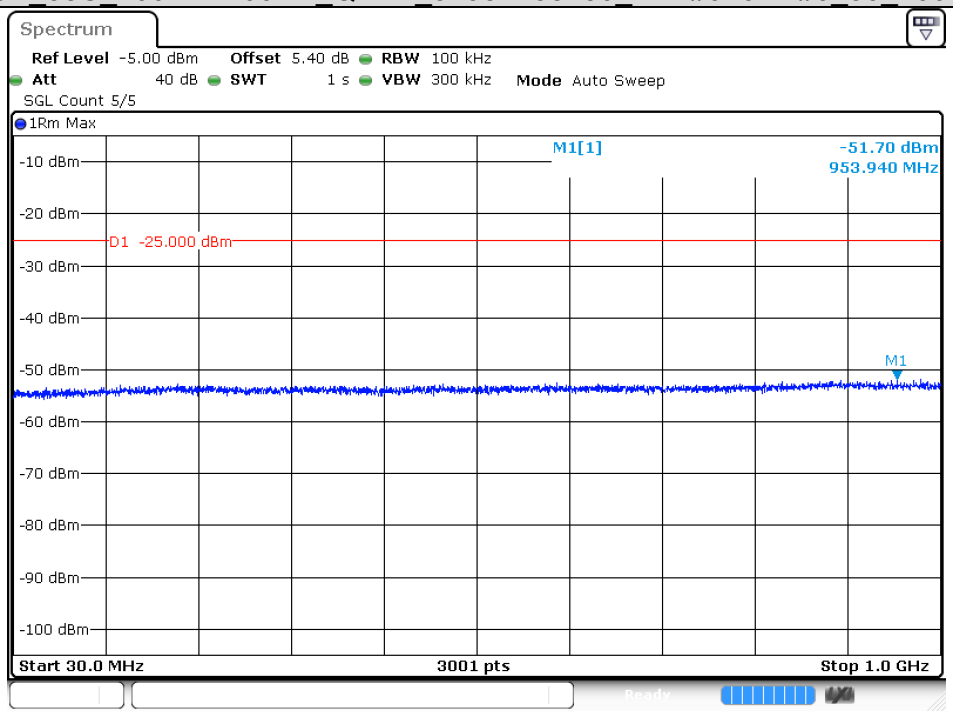


Date: 19.OCT.2020 18:48:29

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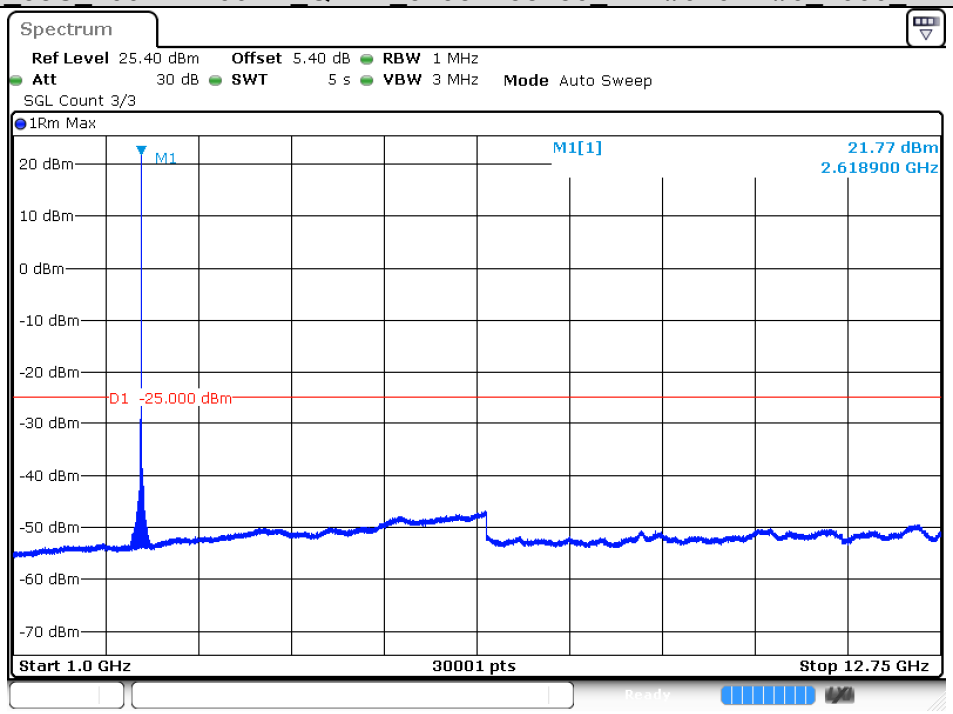


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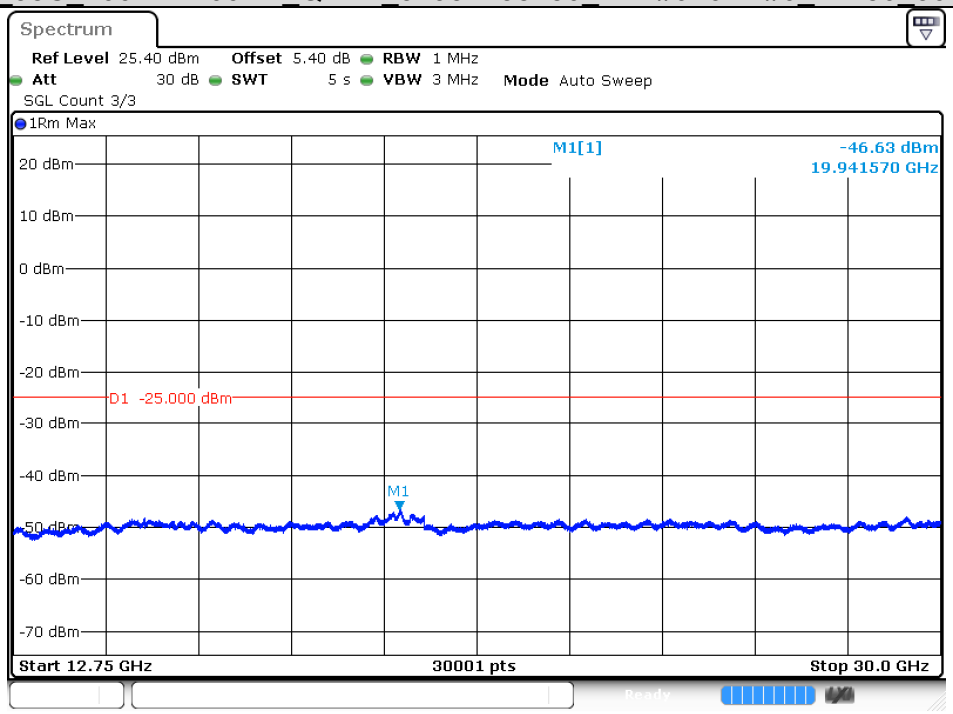


Date: 19.OCT.2020 19:00:43

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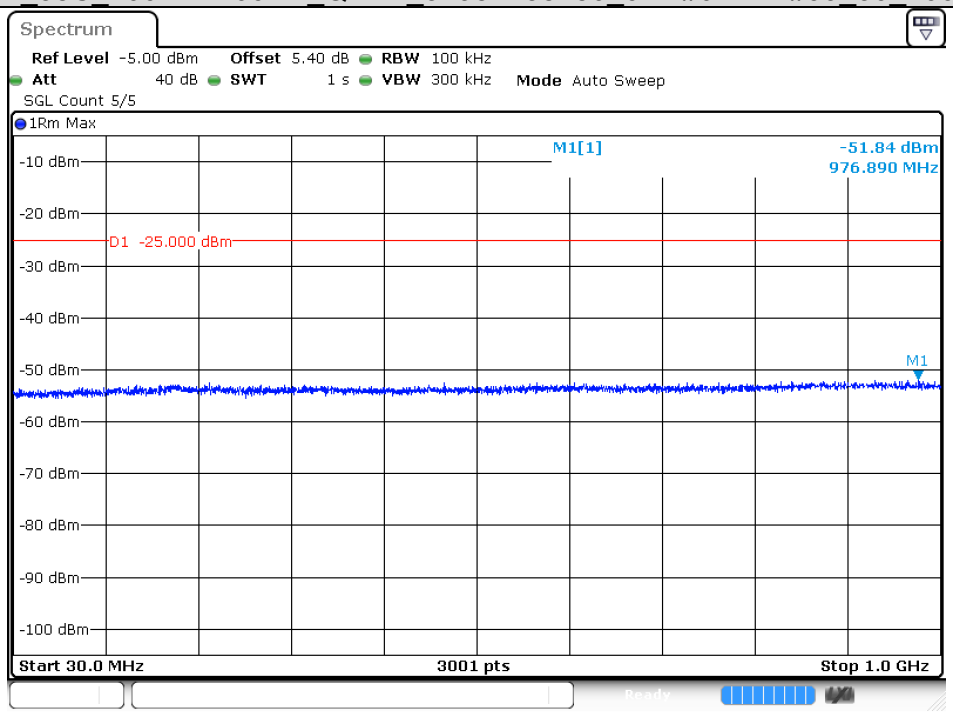


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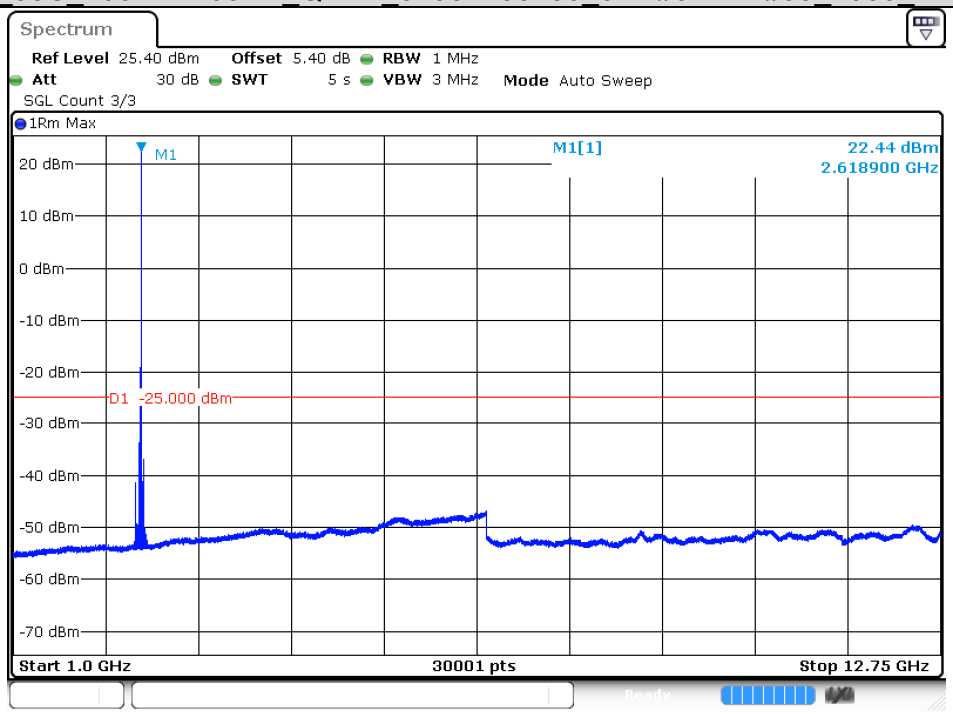


Date: 19.OCT.2020 18:53:39

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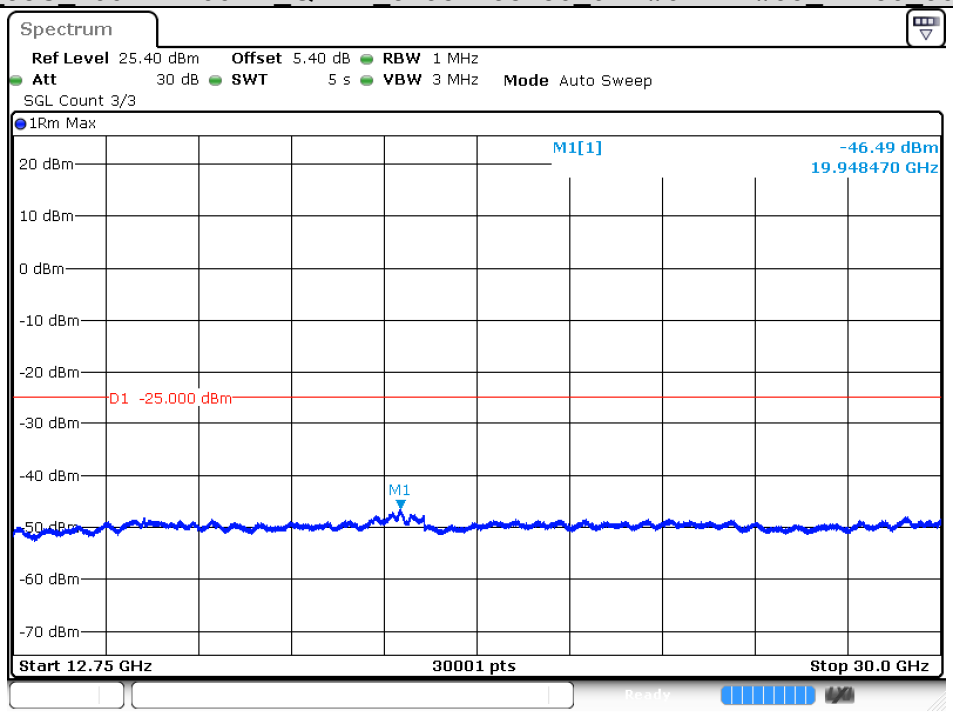


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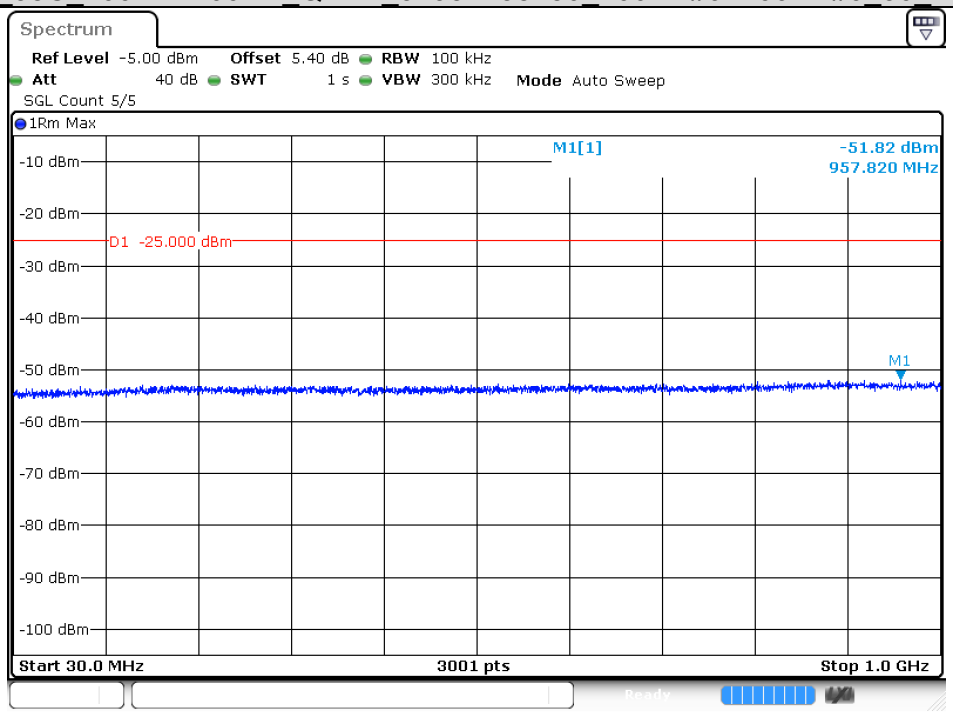


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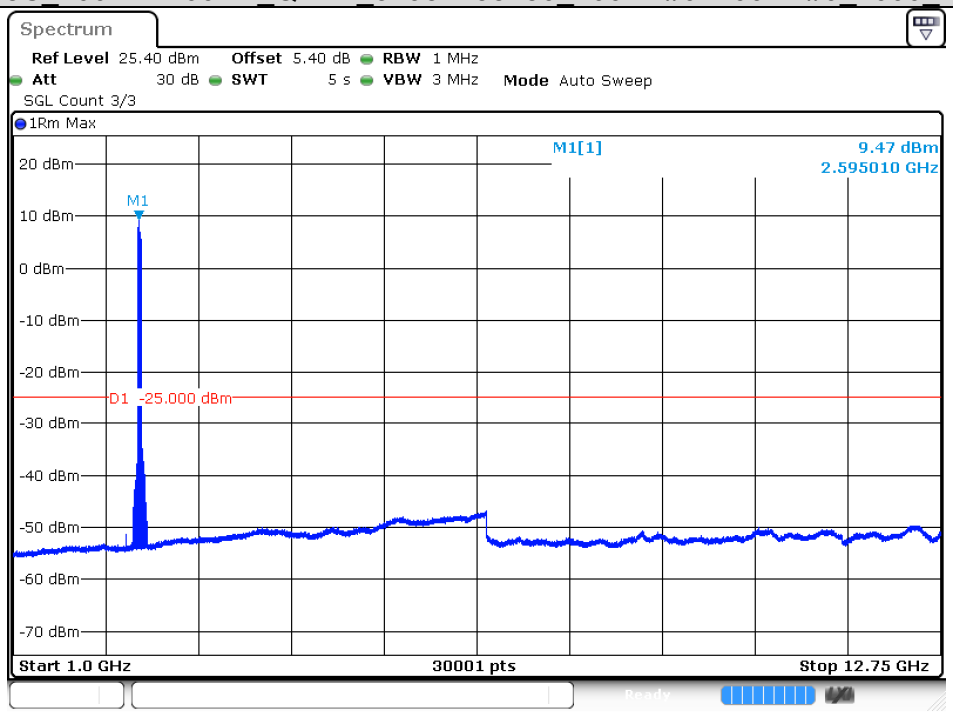


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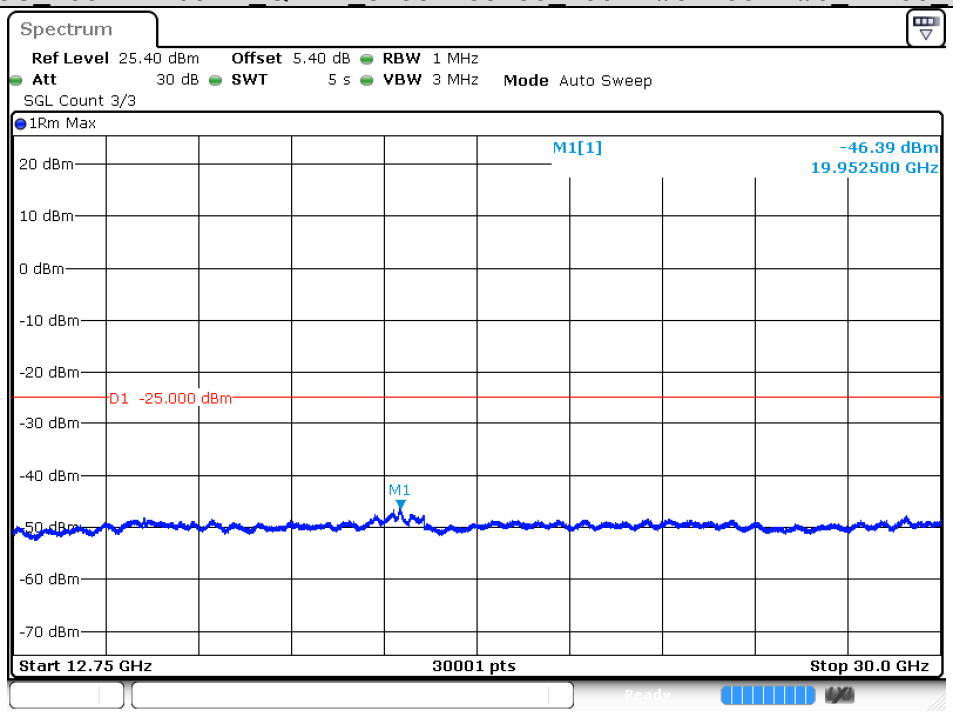


Date: 19.OCT.2020 19:01:17

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# 7 Field Strength of Spurious Radiation

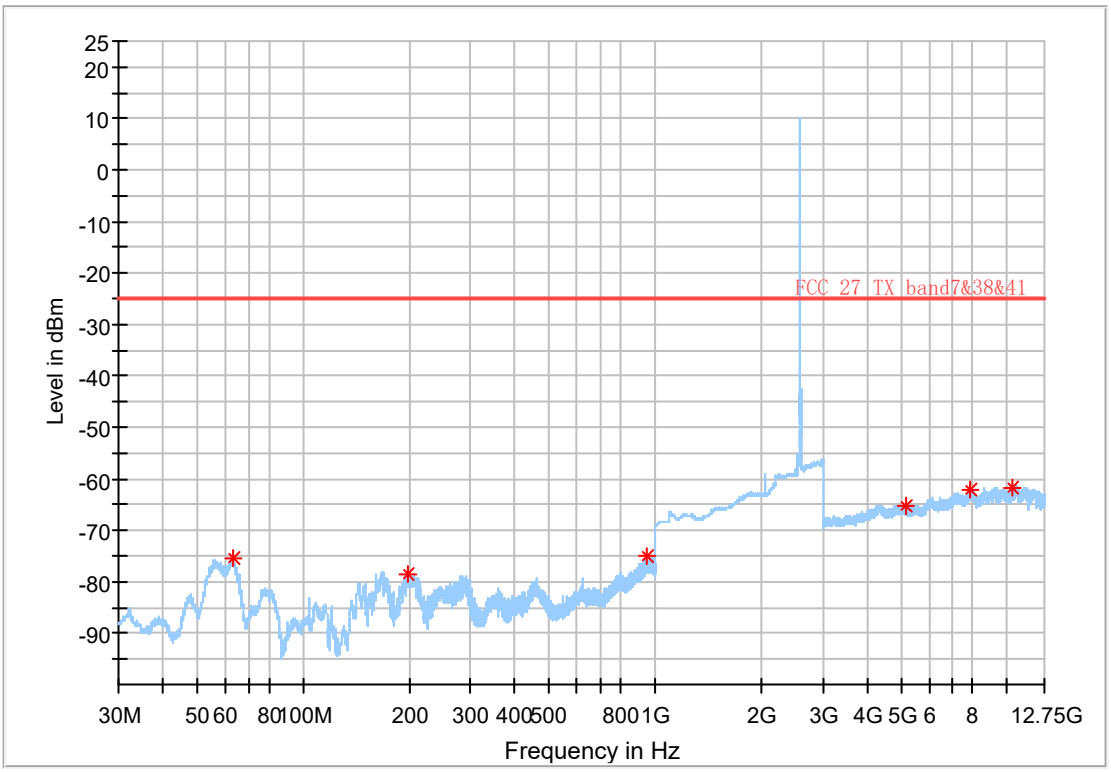
## 7.1 For LTE UL CA

### 7.1.1 Test Band = LTE Band CA_38C (Ant1)

#### 7.1.1.1 Test Mode =LTE/QPSK

##### 7.1.1.1.1 Test Channel = LCH_Horizontal

Full Spectrum




## Critical_Freqs

| Frequency (MHz) | RMS (dBm) | Limit (dBm) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|---|---|---|---|---|---|---|---|---|---|
| 63.250000 | -75.34 | -25.00 | 50.34 | --- | --- | 200.0 | H | 178.0 | -95.9 |
| 198.050000 | -78.56 | -25.00 | 53.56 | --- | --- | 200.0 | H | 31.0 | -106.4 |
| 947.887500 | -75.08 | -25.00 | 50.08 | --- | --- | 200.0 | H | 46.0 | -91.9 |
| 5131.675000 | -65.37 | -25.00 | 40.37 | --- | --- | 200.0 | H | 95.0 | -101.8 |
| 7871.750000 | -62.16 | -25.00 | 37.16 | --- | --- | 200.0 | H | 50.0 | -98.2 |
| 10310.875000 | -61.78 | -25.00 | 36.78 | --- | --- | 200.0 | H | 252.0 | -96.7 |

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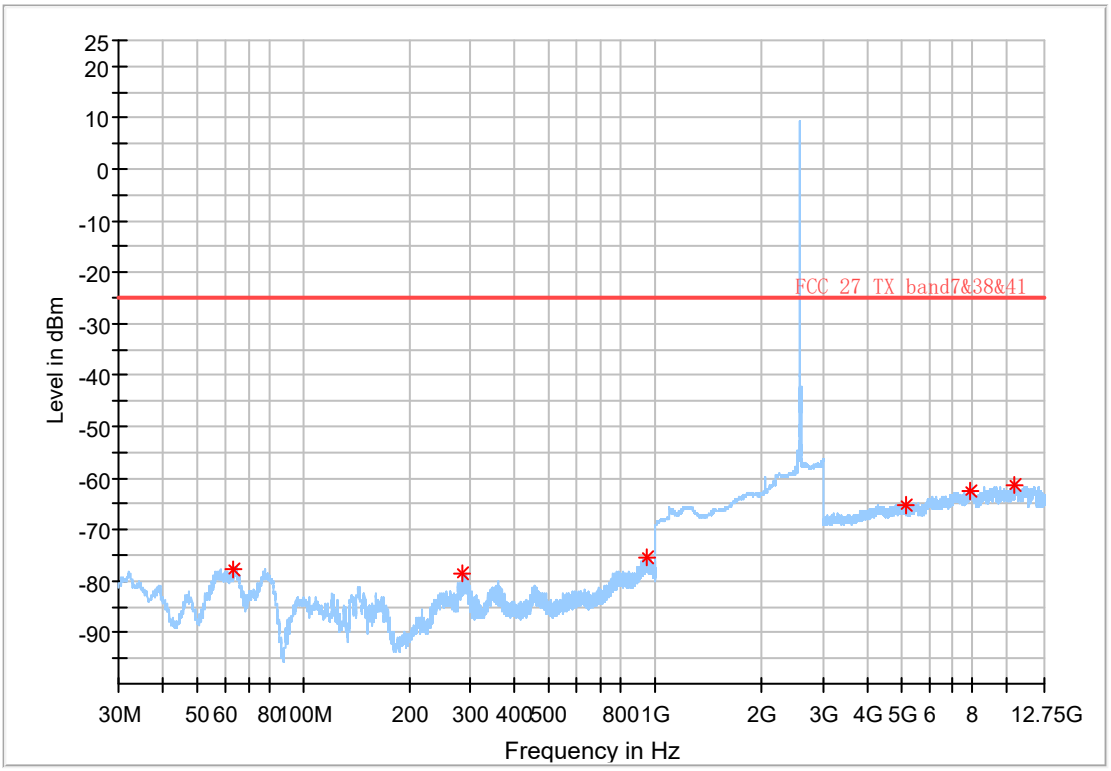
### 7.1.1.1.2 Test Channel = LCH_Vertical

Full Spectrum




## Critical_Freqs

| Frequency (MHz) | RMS (dBm) | Limit (dBm) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|---|---|---|---|---|---|---|---|---|---|
| 63.450000 | -77.91 | -25.00 | 52.91 | --- | --- | 200.0 | V | 307.0 | -100.1 |
| 284.750000 | -78.67 | -25.00 | 53.67 | --- | --- | 200.0 | V | 343.0 | -102.8 |
| 942.204167 | -75.55 | -25.00 | 50.55 | --- | --- | 200.0 | V | 196.0 | -92.4 |
| 5135.250000 | -65.15 | -25.00 | 40.15 | --- | --- | 200.0 | V | 298.0 | -101.8 |
| 7823.975000 | -62.60 | -25.00 | 37.60 | --- | --- | 200.0 | V | 263.0 | -98.2 |
| 10516.275000 | -61.43 | -25.00 | 36.43 | --- | --- | 200.0 | V | 26.0 | -96.6 |

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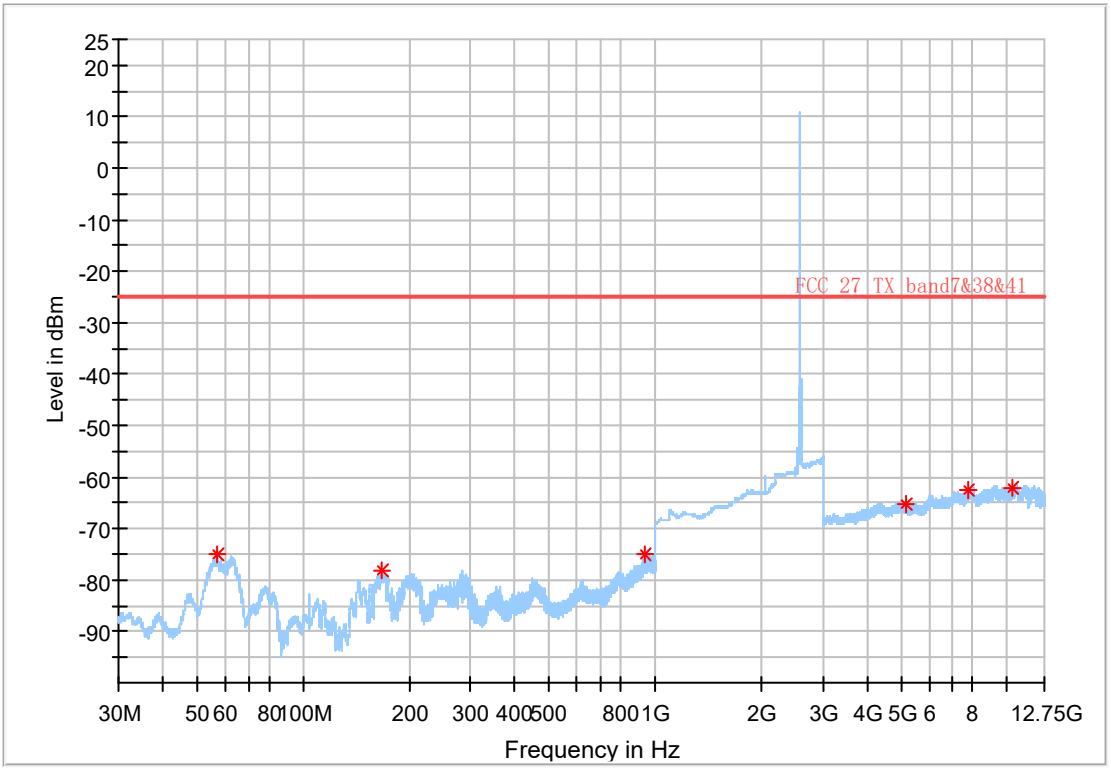
### 7.1.1.1.3 Test Channel = MCH_Horizontal

Full Spectrum




## Critical_Freqs

| Frequency (MHz) | RMS (dBm) | Limit (dBm) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|---|---|---|---|---|---|---|---|---|---|
| 56.900000 | -75.19 | -25.00 | 50.19 | --- | --- | 200.0 | H | 350.0 | -96.5 |
| 167.050000 | -78.17 | -25.00 | 53.17 | --- | --- | 200.0 | H | 31.0 | -107.3 |
| 937.758333 | -74.82 | -25.00 | 49.82 | --- | --- | 200.0 | H | 359.0 | -92.4 |
| 5143.050000 | -65.32 | -25.00 | 40.32 | --- | --- | 200.0 | H | 13.0 | -101.8 |
| 7727.125000 | -62.59 | -25.00 | 37.60 | --- | --- | 200.0 | H | 137.0 | -98.3 |
| 10269.600000 | -62.20 | -25.00 | 37.20 | --- | --- | 200.0 | H | 205.0 | -96.8 |

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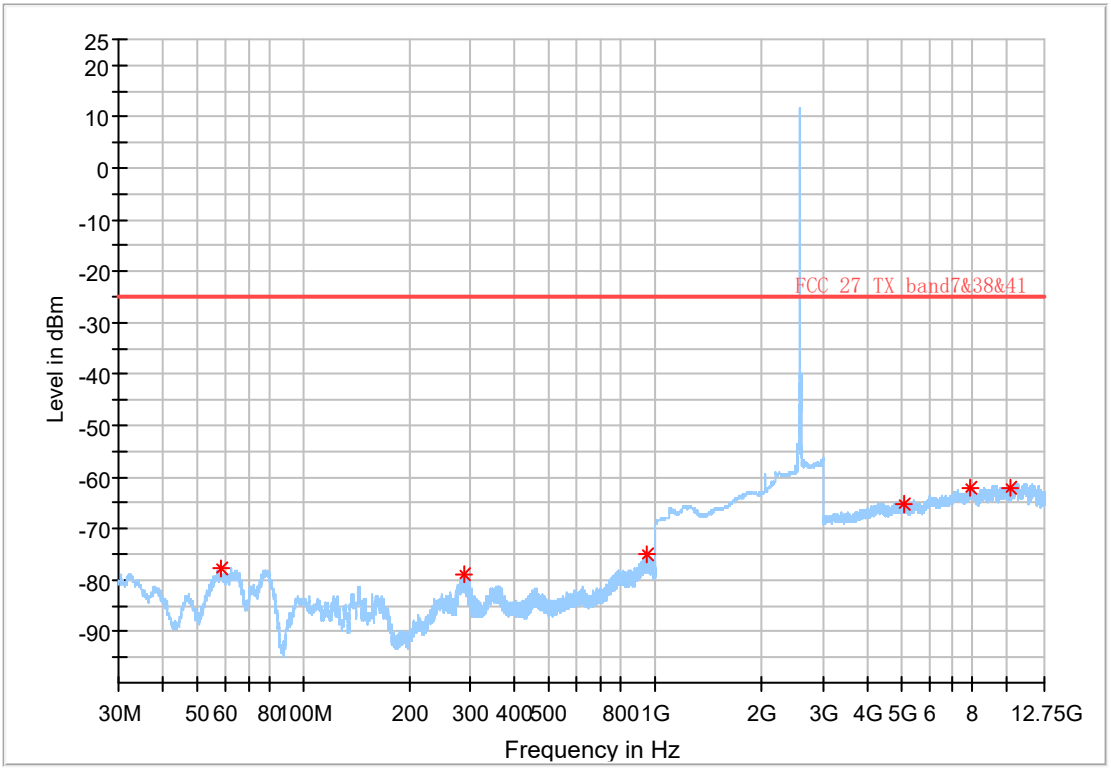
### 7.1.1.1.4 Test Channel = MCH_Vertical

Full Spectrum




## Critical_Freqs

| Frequency (MHz) | RMS (dBm) | Limit (dBm) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|---|---|---|---|---|---|---|---|---|---|
| 58.450000 | -77.72 | -25.00 | 52.72 | --- | --- | 200.0 | V | 287.0 | -101.3 |
| 286.150000 | -78.75 | -25.00 | 53.75 | --- | --- | 200.0 | V | 306.0 | -102.8 |
| 947.795833 | -74.89 | -25.00 | 49.89 | --- | --- | 200.0 | V | 271.0 | -92.3 |
| 5109.900000 | -65.06 | -25.00 | 40.06 | --- | --- | 200.0 | V | 4.0 | -101.8 |
| 7856.475000 | -62.14 | -25.00 | 37.14 | --- | --- | 200.0 | V | 127.0 | -98.2 |
| 10229.300000 | -62.25 | -25.00 | 37.25 | --- | --- | 200.0 | V | 274.0 | -97.1 |

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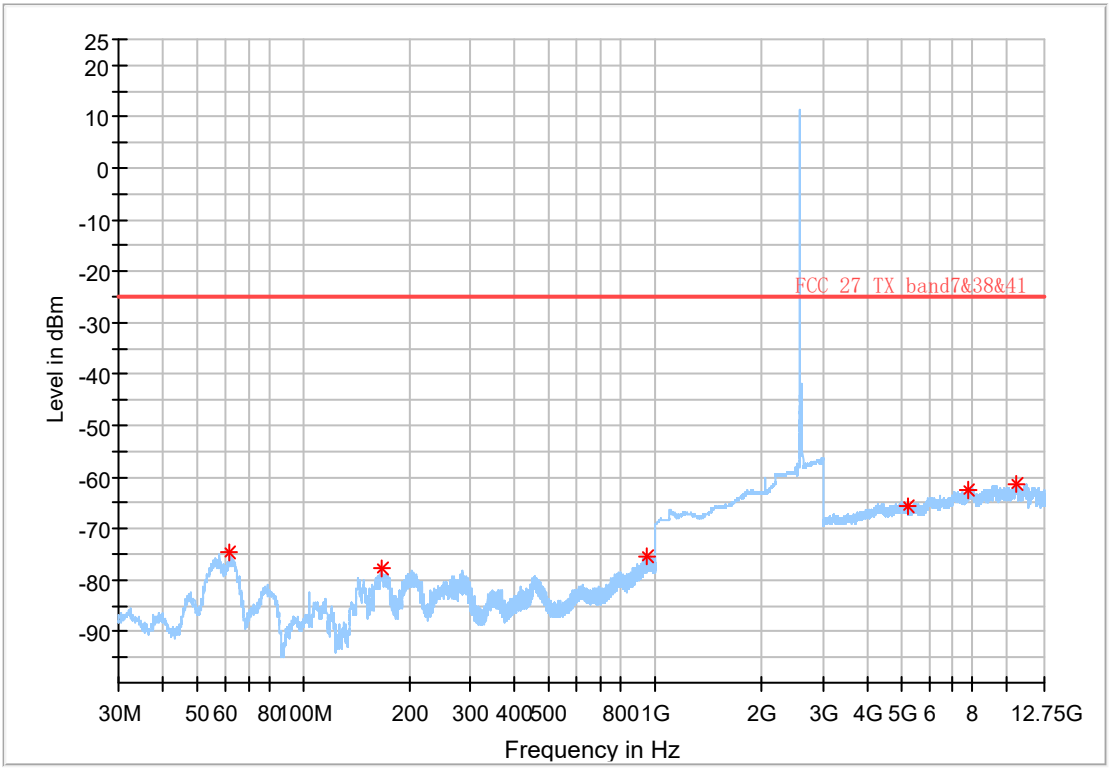
### 7.1.1.1.5 Test Channel = HCH_Horizontal

Full Spectrum




## Critical_Freqs

| Frequency (MHz) | RMS (dBm) | Limit (dBm) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|---|---|---|---|---|---|---|---|---|---|
| 61.950000 | -74.43 | -25.00 | 49.43 | --- | --- | 200.0 | H | 286.0 | -95.0 |
| 167.150000 | -77.83 | -25.00 | 52.83 | --- | --- | 200.0 | H | 38.0 | -107.3 |
| 947.062500 | -75.58 | -25.00 | 50.58 | --- | --- | 200.0 | H | 139.0 | -92.0 |
| 5223.000000 | -65.77 | -25.00 | 40.77 | --- | --- | 200.0 | H | 264.0 | -101.9 |
| 7758.975000 | -62.63 | -25.00 | 37.63 | --- | --- | 200.0 | H | 197.0 | -98.0 |
| 10588.750000 | -61.48 | -25.00 | 36.48 | --- | --- | 200.0 | H | 0.0 | -96.6 |

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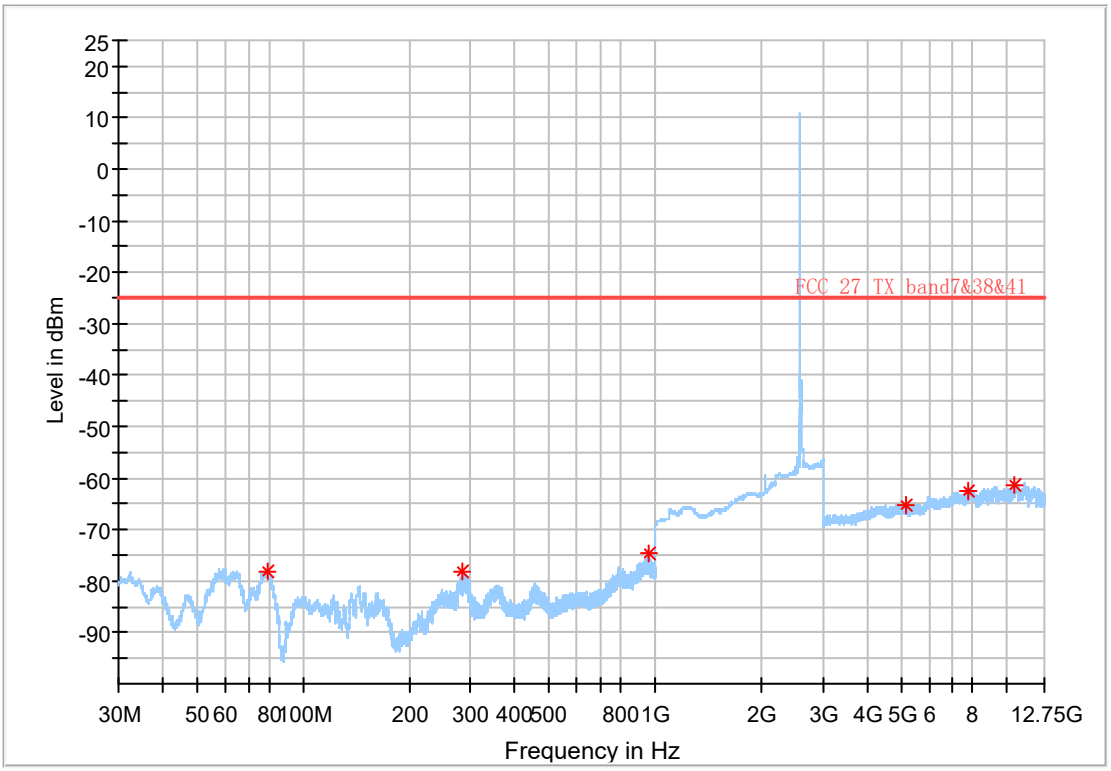
### 7.1.1.1.6 Test Channel = HCH_Vertical

Full Spectrum




## Critical_Freqs

| Frequency (MHz) | RMS (dBm) | Limit (dBm) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|---|---|---|---|---|---|---|---|---|---|
| 79.450000 | -78.21 | -25.00 | 53.21 | --- | --- | 200.0 | V | 196.0 | -110.0 |
| 284.600000 | -78.19 | -25.00 | 53.19 | --- | --- | 200.0 | V | 131.0 | -102.8 |
| 958.887500 | -74.72 | -25.00 | 49.72 | --- | --- | 200.0 | V | 289.0 | -92.3 |
| 5169.050000 | -65.35 | -25.00 | 40.35 | --- | --- | 200.0 | V | 4.0 | -101.9 |
| 7712.500000 | -62.67 | -25.00 | 37.67 | --- | --- | 200.0 | V | 333.0 | -98.4 |
| 10513.350000 | -61.29 | -25.00 | 36.29 | --- | --- | 200.0 | V | 0.0 | -96.6 |

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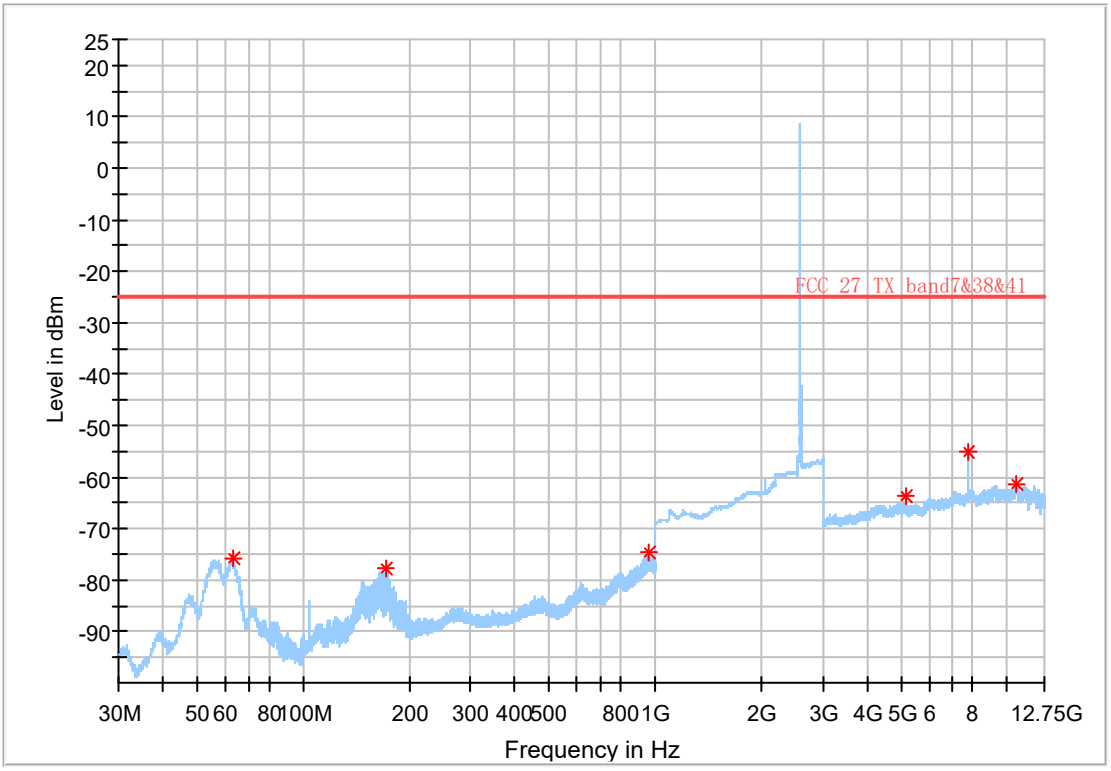
## 7.1.2 Test Band = LTE Band CA_38C (Ant2)

### 7.1.2.1 Test Mode =LTE/QPSK

#### 7.1.2.1.1 Test Channel = LCH_Horizontal

Full Spectrum




## Critical_Freqs

| Frequency (MHz) | RMS (dBm) | Limit (dBm) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|---|---|---|---|---|---|---|---|---|---|
| 63.000000 | -75.83 | -25.00 | 50.83 | --- | --- | 200.0 | H | 308.0 | -95.7 |
| 172.300000 | -77.85 | -25.00 | 52.85 | --- | --- | 200.0 | H | 41.0 | -107.2 |
| 960.354167 | -74.74 | -25.00 | 49.74 | --- | --- | 200.0 | H | 233.0 | -91.9 |
| 5142.075000 | -63.82 | -25.00 | 38.82 | --- | --- | 200.0 | H | 333.0 | -101.8 |
| 7713.150000 | -55.20 | -25.00 | 30.20 | --- | --- | 200.0 | H | 274.0 | -98.4 |
| 10616.700000 | -61.47 | -25.00 | 36.47 | --- | --- | 200.0 | H | 25.0 | -96.6 |

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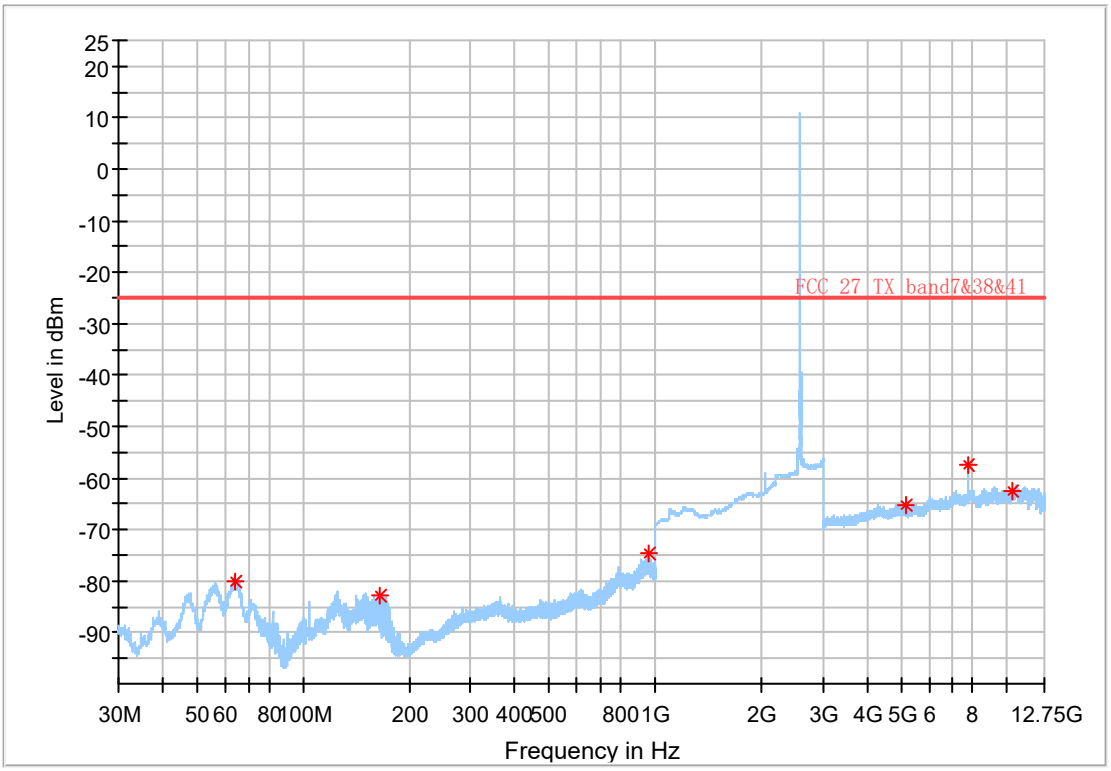
### 7.1.2.1.2 Test Channel = LCH_Vertical

Full Spectrum




## Critical_Freqs

| Frequency (MHz) | RMS (dBm) | Limit (dBm) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|---|---|---|---|---|---|---|---|---|---|
| 64.000000 | -80.11 | -25.00 | 55.11 | --- | --- | 200.0 | V | 261.0 | -100.0 |
| 165.500000 | -82.81 | -25.00 | 57.81 | --- | --- | 200.0 | V | 170.0 | -108.5 |
| 956.320833 | -74.78 | -25.00 | 49.78 | --- | --- | 200.0 | V | 348.0 | -92.3 |
| 5141.750000 | -65.07 | -25.00 | 40.07 | --- | --- | 200.0 | V | 298.0 | -101.8 |
| 7713.475000 | -57.57 | -25.00 | 32.57 | --- | --- | 200.0 | V | 25.0 | -98.4 |
| 10354.100000 | -62.42 | -25.00 | 37.42 | --- | --- | 200.0 | V | 48.0 | -96.6 |

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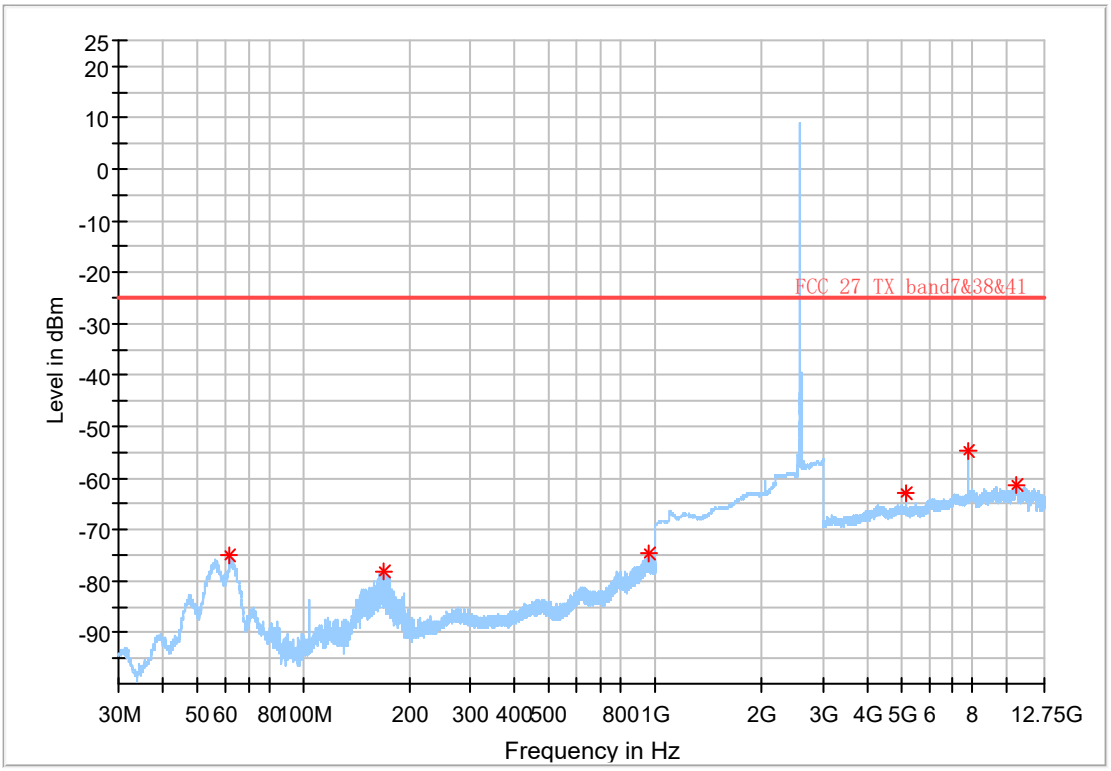
### 7.1.2.1.3 Test Channel = MCH_Horizontal

Full Spectrum




## Critical_Freqs

| Frequency (MHz) | RMS (dBm) | Limit (dBm) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|---|---|---|---|---|---|---|---|---|---|
| 61.850000 | -75.05 | -25.00 | 50.05 | --- | --- | 200.0 | H | 204.0 | -95.0 |
| 170.200000 | -77.98 | -25.00 | 52.98 | --- | --- | 200.0 | H | 47.0 | -107.2 |
| 956.183333 | -74.77 | -25.00 | 49.77 | --- | --- | 200.0 | H | 242.0 | -91.8 |
| 5152.475000 | -62.95 | -25.00 | 37.95 | --- | --- | 200.0 | H | 334.0 | -101.8 |
| 7728.425000 | -54.78 | -25.00 | 29.78 | --- | --- | 200.0 | H | 287.0 | -98.2 |
| 10605.000000 | -61.14 | -25.00 | 36.14 | --- | --- | 200.0 | H | 126.0 | -96.6 |

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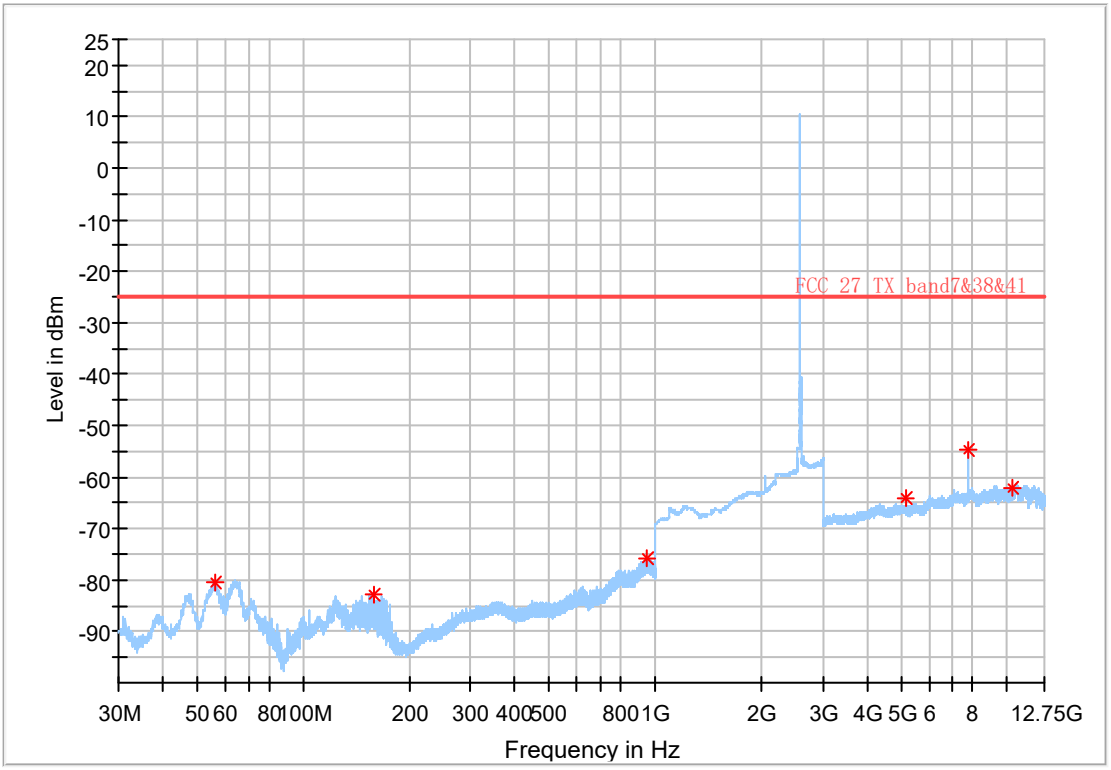
### 7.1.2.1.4 Test Channel = MCH_Vertical

Full Spectrum




## Critical_Freqs

| Frequency (MHz) | RMS (dBm) | Limit (dBm) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|---|---|---|---|---|---|---|---|---|---|
| 56.100000 | -80.36 | -25.00 | 55.36 | --- | --- | 200.0 | V | 334.0 | -101.5 |
| 159.600000 | -82.83 | -25.00 | 57.83 | --- | --- | 200.0 | V | 160.0 | -108.7 |
| 946.329167 | -75.77 | -25.00 | 50.77 | --- | --- | 200.0 | V | 243.0 | -92.3 |
| 5152.475000 | -63.87 | -25.00 | 38.87 | --- | --- | 200.0 | V | 299.0 | -101.8 |
| 7728.750000 | -54.56 | -25.00 | 29.56 | --- | --- | 200.0 | V | 0.0 | -98.3 |
| 10295.275000 | -62.10 | -25.00 | 37.10 | --- | --- | 200.0 | V | 299.0 | -96.7 |

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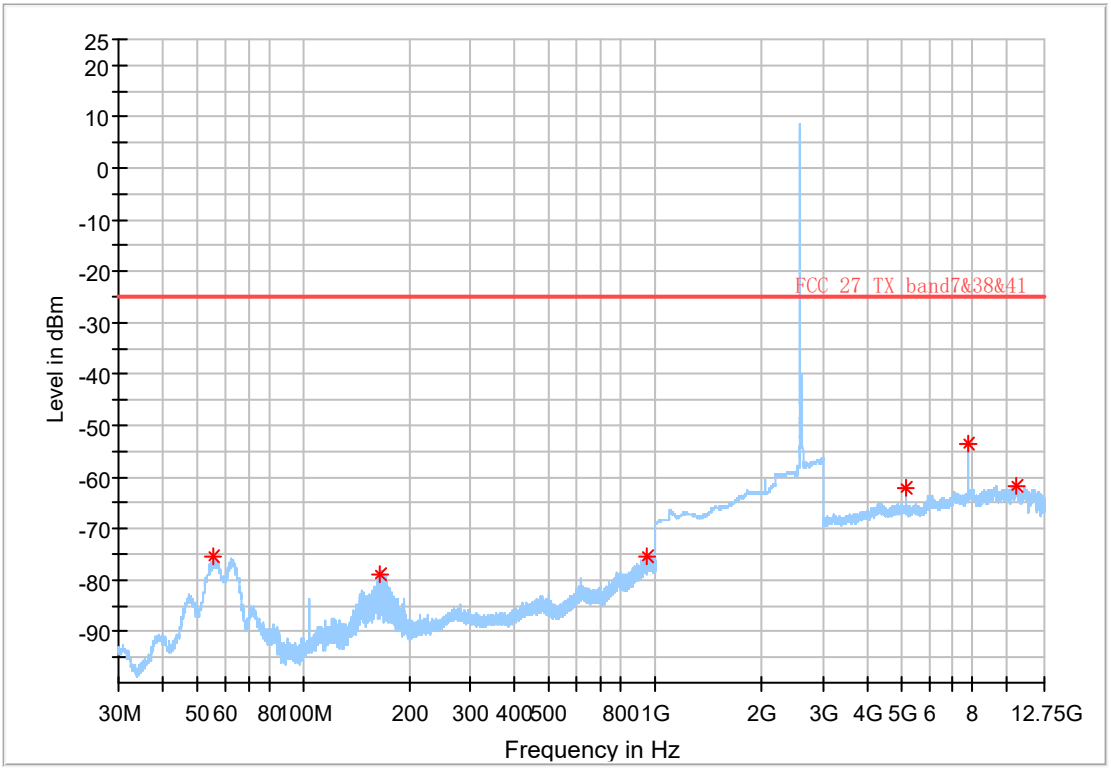
### 7.1.2.1.5 Test Channel = HCH_Horizontal

Full Spectrum




## Critical_Freqs

| Frequency (MHz) | RMS (dBm) | Limit (dBm) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|---|---|---|---|---|---|---|---|---|---|
| 55.400000 | -75.34 | -25.00 | 50.34 | --- | --- | 200.0 | H | 105.0 | -97.5 |
| 166.000000 | -78.79 | -25.00 | 53.79 | --- | --- | 200.0 | H | 40.0 | -107.4 |
| 947.108333 | -75.37 | -25.00 | 50.37 | --- | --- | 200.0 | H | 321.0 | -92.0 |
| 5162.550000 | -62.26 | -25.00 | 37.26 | --- | --- | 200.0 | H | 229.0 | -101.8 |
| 7744.025000 | -53.37 | -25.00 | 28.37 | --- | --- | 200.0 | H | 275.0 | -98.1 |
| 10610.850000 | -61.65 | -25.00 | 36.65 | --- | --- | 200.0 | H | 286.0 | -96.6 |

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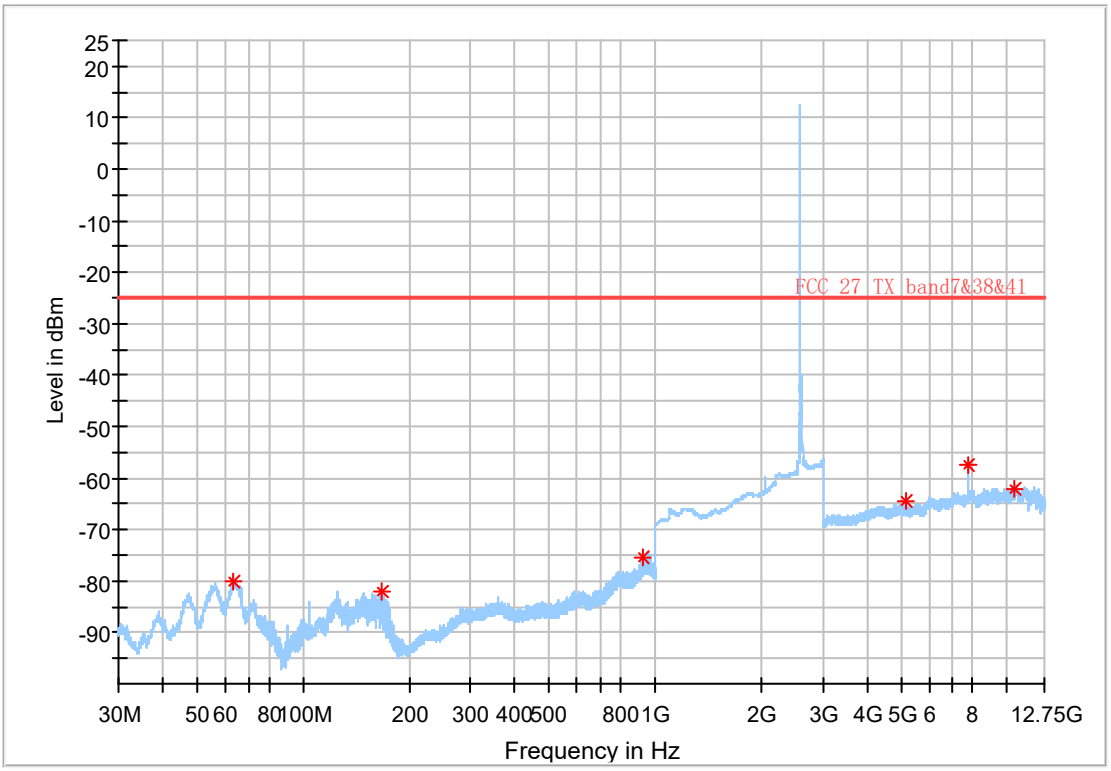
### 7.1.2.1.6 Test Channel = HCH_Vertical

Full Spectrum




## Critical_Freqs

| Frequency (MHz) | RMS (dBm) | Limit (dBm) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|---|---|---|---|---|---|---|---|---|---|
| 63.650000 | -80.06 | -25.00 | 55.06 | --- | --- | 200.0 | V | 104.0 | -100.1 |
| 166.600000 | -82.20 | -25.00 | 57.20 | --- | --- | 200.0 | V | 158.0 | -108.6 |
| 923.091667 | -75.55 | -25.00 | 50.55 | --- | --- | 200.0 | V | 281.0 | -93.1 |
| 5162.550000 | -64.51 | -25.00 | 39.51 | --- | --- | 200.0 | V | 286.0 | -101.9 |
| 7744.025000 | -57.60 | -25.00 | 32.60 | --- | --- | 200.0 | V | 38.0 | -98.2 |
| 10500.350000 | -62.07 | -25.00 | 37.07 | --- | --- | 200.0 | V | 275.0 | -96.6 |

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 and above 12.75GHz 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 |

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## 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 |
| 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 |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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 |
| 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 |

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