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(MAIN)

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	23.12	22.82	33.00	PASS
CA_38C	75RB+75RB	37825+37975	16RB#0	0RB#0	QPSK	23.64	23.34	33.00	PASS
CA_38C	75RB+75RB	37925+38075	1RB#0	0RB#0	QPSK	22.75	22.45	33.00	PASS
CA_38C	75RB+75RB	37925+38075	16RB#0	0RB#0	QPSK	23.70	23.4	33.00	PASS
CA_38C	75RB+75RB	38025+38175	1RB#0	0RB#0	QPSK	23.44	23.14	33.00	PASS
CA_38C	75RB+75RB	38025+38175	16RB#0	0RB#0	QPSK	23.35	23.05	33.00	PASS
CA_38C	100RB+100RB	37850+38048	1RB#0	0RB#0	QPSK	22.97	22.67	33.00	PASS
CA_38C	100RB+100RB	37850+38048	18RB#0	0RB#0	QPSK	23.68	23.38	33.00	PASS
CA_38C	100RB+100RB	37901+38099	1RB#0	0RB#0	QPSK	22.69	22.39	33.00	PASS
CA_38C	100RB+100RB	37901+38099	18RB#0	0RB#0	QPSK	23.87	23.57	33.00	PASS
CA_38C	100RB+100RB	37952+38150	1RB#0	0RB#0	QPSK	23.30	23	33.00	PASS
CA_38C	100RB+100RB	37952+38150	18RB#0	0RB#0	QPSK	23.89	23.59	33.00	PASS
CA_38C	75RB+75RB	37825+37975	1RB#0	0RB#0	16QAM	22.39	22.09	33.00	PASS
CA_38C	75RB+75RB	37825+37975	16RB#0	0RB#0	16QAM	22.37	22.07	33.00	PASS
CA_38C	75RB+75RB	37925+38075	1RB#0	0RB#0	16QAM	22.85	22.55	33.00	PASS
CA_38C	75RB+75RB	37925+38075	16RB#0	0RB#0	16QAM	22.82	22.52	33.00	PASS
CA_38C	75RB+75RB	38025+38175	1RB#0	0RB#0	16QAM	22.44	22.14	33.00	PASS
CA_38C	75RB+75RB	38025+38175	16RB#0	0RB#0	16QAM	22.82	22.52	33.00	PASS
CA_38C	100RB+100RB	37850+38048	1RB#0	0RB#0	16QAM	22.44	22.14	33.00	PASS
CA_38C	100RB+100RB	37850+38048	18RB#0	0RB#0	16QAM	22.61	22.31	33.00	PASS
CA_38C	100RB+100RB	37901+38099	1RB#0	0RB#0	16QAM	23.06	22.76	33.00	PASS
CA_38C	100RB+100RB	37901+38099	18RB#0	0RB#0	16QAM	22.79	22.49	33.00	PASS
CA_38C	100RB+100RB	37952+38150	1RB#0	0RB#0	16QAM	22.61	22.31	33.00	PASS
CA_38C	100RB+100RB	37952+38150	18RB#0	0RB#0	16QAM	22.78	22.48	33.00	PASS
CA_38C	75RB+75RB	37825+37975	1RB#0	0RB#0	64QAM	21.34	21.04	33.00	PASS
CA_38C	75RB+75RB	37825+37975	16RB#0	0RB#0	64QAM	21.27	20.97	33.00	PASS
CA_38C	75RB+75RB	37925+38075	1RB#0	0RB#0	64QAM	21.37	21.07	33.00	PASS
CA_38C	75RB+75RB	37925+38075	16RB#0	0RB#0	64QAM	21.69	21.39	33.00	PASS
CA_38C	75RB+75RB	38025+38175	1RB#0	0RB#0	64QAM	21.61	21.31	33.00	PASS
CA_38C	75RB+75RB	38025+38175	16RB#0	0RB#0	64QAM	21.56	21.26	33.00	PASS
CA_38C	100RB+100RB	37850+38048	1RB#0	0RB#0	64QAM	21.57	21.27	33.00	PASS
CA_38C	100RB+100RB	37850+38048	18RB#0	0RB#0	64QAM	21.52	21.22	33.00	PASS
CA_38C	100RB+100RB	37901+38099	1RB#0	0RB#0	64QAM	20.92	20.62	33.00	PASS
CA_38C	100RB+100RB	37901+38099	18RB#0	0RB#0	64QAM	21.74	21.44	33.00	PASS
CA_38C	100RB+100RB	37952+38150	1RB#0	0RB#0	64QAM	21.59	21.29	33.00	PASS
CA_38C	100RB+100RB	37952+38150	18RB#0	0RB#0	64QAM	21.72	21.42	33.00	PASS

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1.2 Max Power Test Result for LTE Band CA_38C(DIV)

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	21.17	21.17	33.00	PASS
CA_38C	75RB+75RB	37825+37975	16RB#0	0RB#0	QPSK	21.23	21.23	33.00	PASS
CA_38C	75RB+75RB	37925+38075	1RB#0	0RB#0	QPSK	21.30	21.30	33.00	PASS
CA_38C	75RB+75RB	37925+38075	16RB#0	0RB#0	QPSK	21.20	21.20	33.00	PASS
CA_38C	75RB+75RB	38025+38175	1RB#0	0RB#0	QPSK	21.37	21.37	33.00	PASS
CA_38C	75RB+75RB	38025+38175	16RB#0	0RB#0	QPSK	21.00	21.00	33.00	PASS
CA_38C	100RB+100RB	37850+38048	1RB#0	0RB#0	QPSK	21.31	21.31	33.00	PASS
CA_38C	100RB+100RB	37850+38048	18RB#0	0RB#0	QPSK	21.32	21.32	33.00	PASS
CA_38C	100RB+100RB	37901+38099	1RB#0	0RB#0	QPSK	20.93	20.93	33.00	PASS
CA_38C	100RB+100RB	37901+38099	18RB#0	0RB#0	QPSK	21.48	21.48	33.00	PASS
CA_38C	100RB+100RB	37952+38150	1RB#0	0RB#0	QPSK	21.00	21.00	33.00	PASS
CA_38C	100RB+100RB	37952+38150	18RB#0	0RB#0	QPSK	21.68	21.68	33.00	PASS
CA_38C	75RB+75RB	37825+37975	1RB#0	0RB#0	16QAM	20.19	20.19	33.00	PASS
CA_38C	75RB+75RB	37825+37975	16RB#0	0RB#0	16QAM	20.32	20.32	33.00	PASS
CA_38C	75RB+75RB	37925+38075	1RB#0	0RB#0	16QAM	20.13	20.13	33.00	PASS
CA_38C	75RB+75RB	37925+38075	16RB#0	0RB#0	16QAM	20.28	20.28	33.00	PASS
CA_38C	75RB+75RB	38025+38175	1RB#0	0RB#0	16QAM	19.93	19.93	33.00	PASS
CA_38C	75RB+75RB	38025+38175	16RB#0	0RB#0	16QAM	19.91	19.91	33.00	PASS
CA_38C	100RB+100RB	37850+38048	1RB#0	0RB#0	16QAM	20.20	20.20	33.00	PASS
CA_38C	100RB+100RB	37850+38048	18RB#0	0RB#0	16QAM	20.20	20.20	33.00	PASS
CA_38C	100RB+100RB	37901+38099	1RB#0	0RB#0	16QAM	20.17	20.17	33.00	PASS
CA_38C	100RB+100RB	37901+38099	18RB#0	0RB#0	16QAM	19.78	19.78	33.00	PASS
CA_38C	100RB+100RB	37952+38150	1RB#0	0RB#0	16QAM	19.98	19.98	33.00	PASS
CA_38C	100RB+100RB	37952+38150	18RB#0	0RB#0	16QAM	20.18	20.18	33.00	PASS
CA_38C	75RB+75RB	37825+37975	1RB#0	0RB#0	64QAM	18.95	18.95	33.00	PASS
CA_38C	75RB+75RB	37825+37975	16RB#0	0RB#0	64QAM	18.93	18.93	33.00	PASS
CA_38C	75RB+75RB	37925+38075	1RB#0	0RB#0	64QAM	19.08	19.08	33.00	PASS
CA_38C	75RB+75RB	37925+38075	16RB#0	0RB#0	64QAM	19.03	19.03	33.00	PASS
CA_38C	75RB+75RB	38025+38175	1RB#0	0RB#0	64QAM	19.39	19.39	33.00	PASS
CA_38C	75RB+75RB	38025+38175	16RB#0	0RB#0	64QAM	19.09	19.09	33.00	PASS
CA_38C	100RB+100RB	37850+38048	1RB#0	0RB#0	64QAM	19.08	19.08	33.00	PASS
CA_38C	100RB+100RB	37850+38048	18RB#0	0RB#0	64QAM	19.13	19.13	33.00	PASS
CA_38C	100RB+100RB	37901+38099	1RB#0	0RB#0	64QAM	18.97	18.97	33.00	PASS
CA_38C	100RB+100RB	37901+38099	18RB#0	0RB#0	64QAM	19.37	19.37	33.00	PASS
CA_38C	100RB+100RB	37952+38150	1RB#0	0RB#0	64QAM	19.05	19.05	33.00	PASS
CA_38C	100RB+100RB	37952+38150	18RB#0	0RB#0	64QAM	19.29	19.29	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	6.52	13.00	PASS
CA_38C	QPSK	100RB+100RB	37901+38099	100RB#0	100RB#0	6.14	13.00	PASS
CA_38C	QPSK	100RB+100RB	37952+38150	100RB#0	100RB#0	6.35	13.00	PASS
CA_38C	16QAM	100RB+100RB	37850+38048	100RB#0	100RB#0	9.01	13.00	PASS
CA_38C	16QAM	100RB+100RB	37901+38099	100RB#0	100RB#0	8.17	13.00	PASS
CA_38C	16QAM	100RB+100RB	37952+38150	100RB#0	100RB#0	9.96	13.00	PASS
CA_38C	64QAM	100RB+100RB	37850+38048	100RB#0	100RB#0	7.77	13.00	PASS
CA_38C	64QAM	100RB+100RB	37901+38099	100RB#0	100RB#0	7.39	13.00	PASS
CA_38C	64QAM	100RB+100RB	37952+38150	100RB#0	100RB#0	7.01	13.00	PASS

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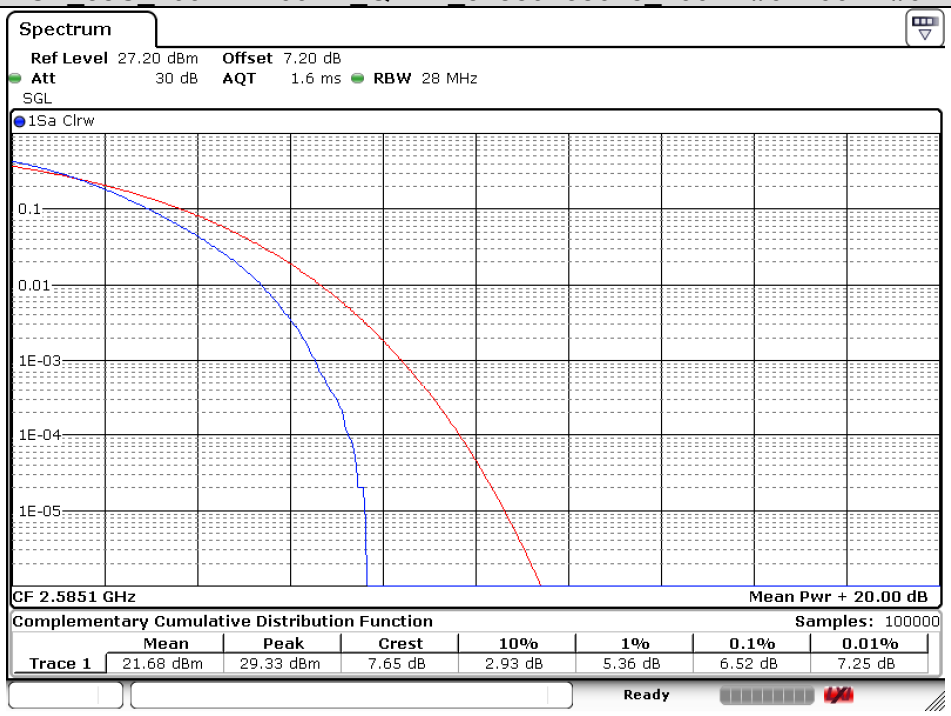
2.1 For LTE

2.1.1 Test Band = LTE Band CA_38C

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



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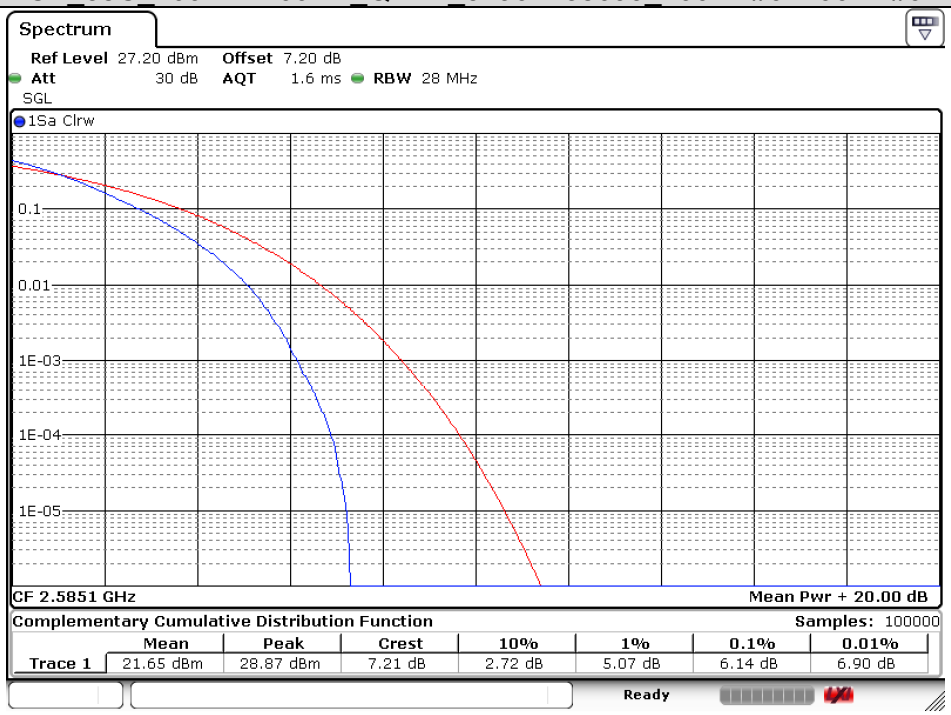
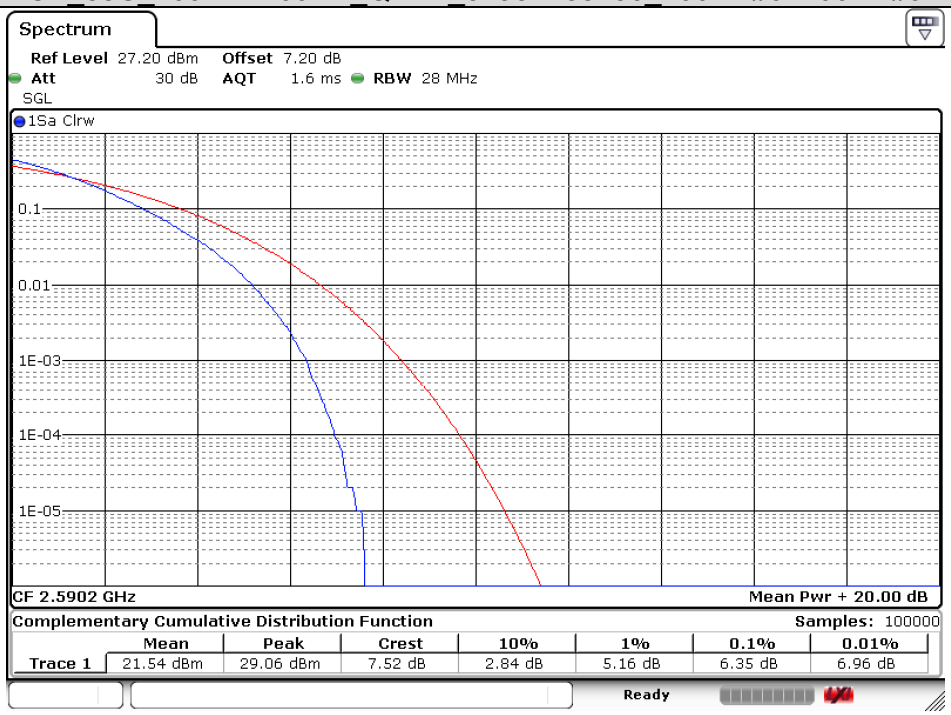
CA_38C_100RB+100RB_QPSK_37901+38099_100RB#0+100RB#0



Date: 15.DEC.2020 10:37:00

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



Date: 15.DEC.2020 10:36:13

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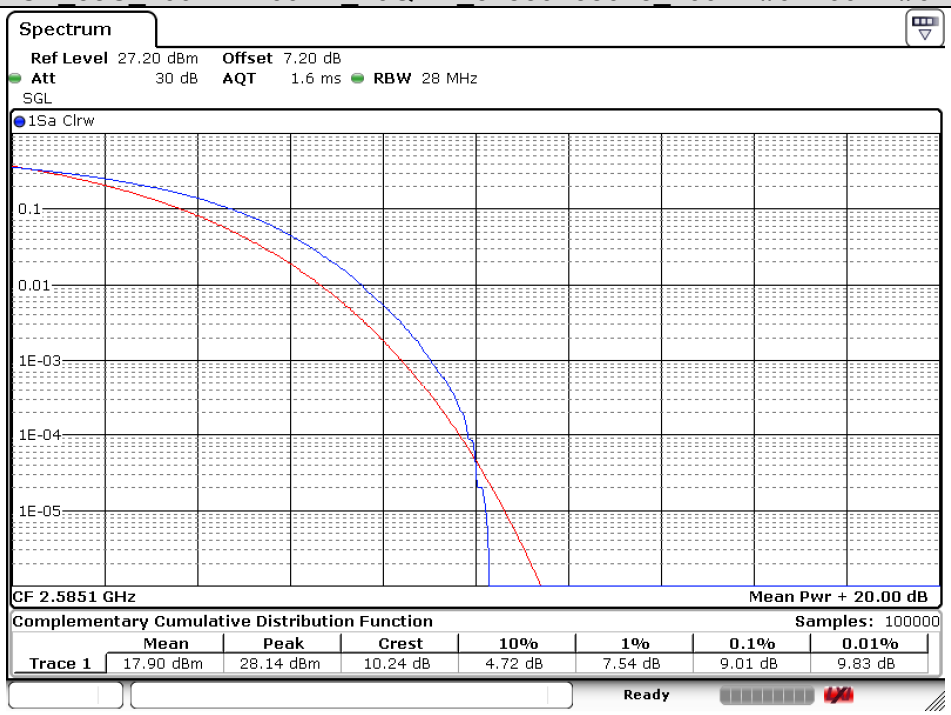

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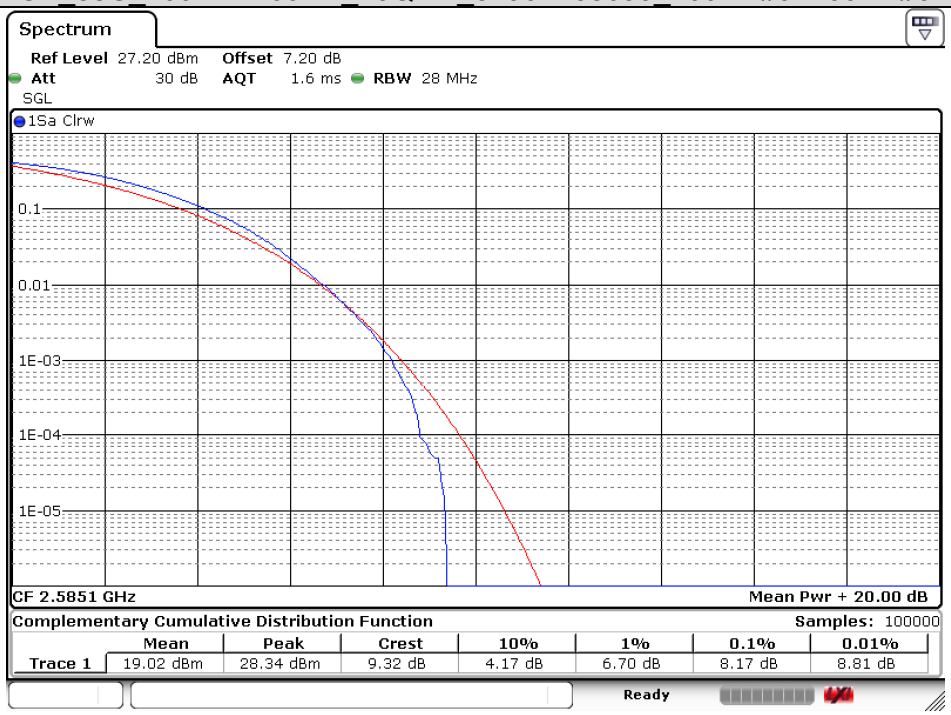

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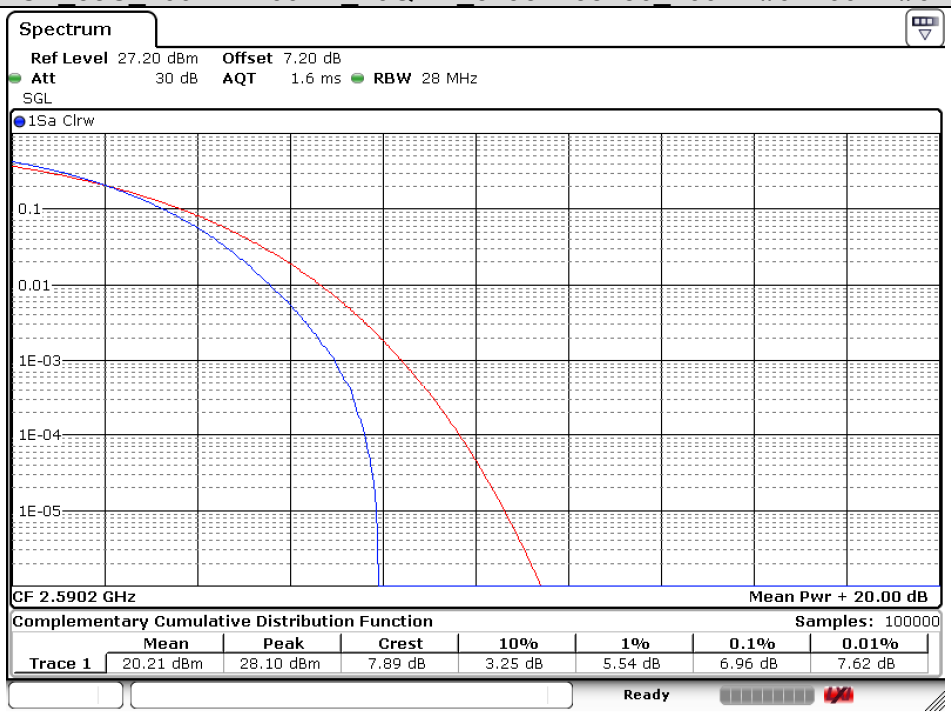

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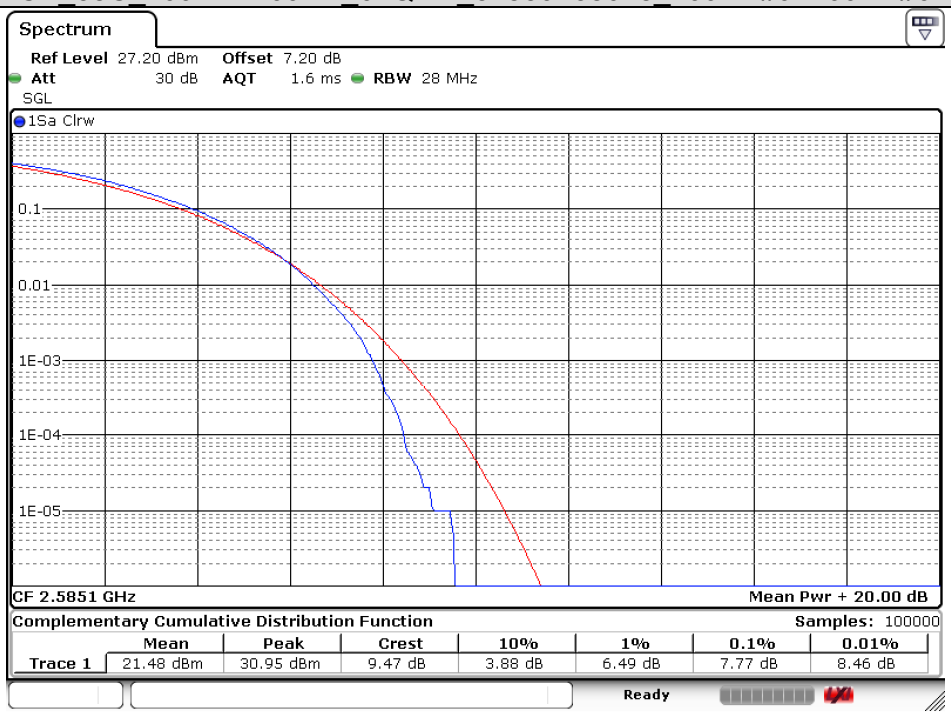

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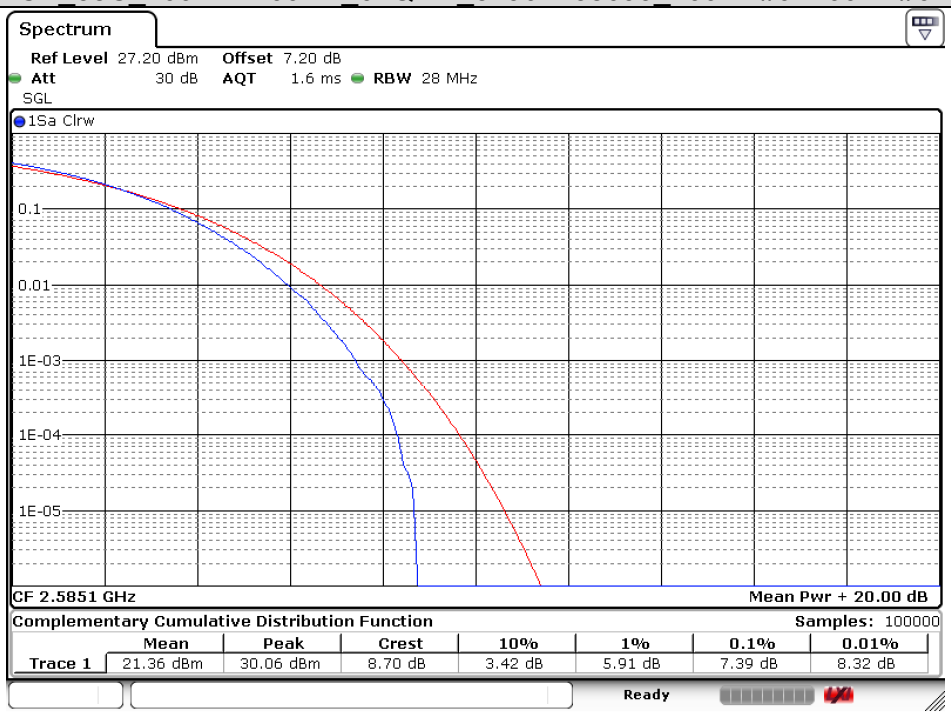
CA_38C_100RB+100RB_64QAM_37901+38099_100RB#0+100RB#0



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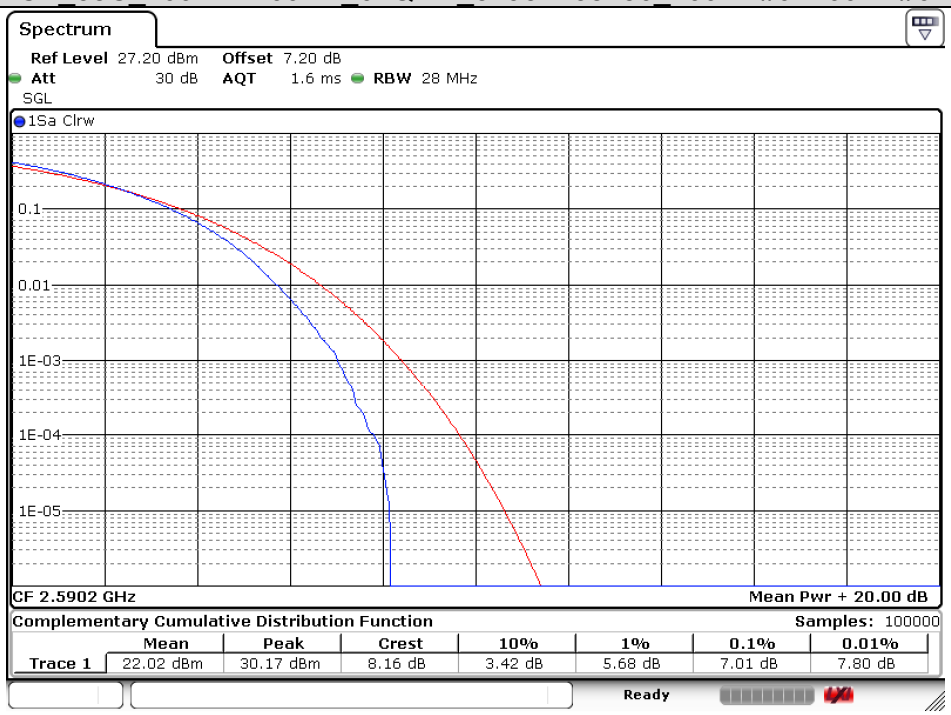

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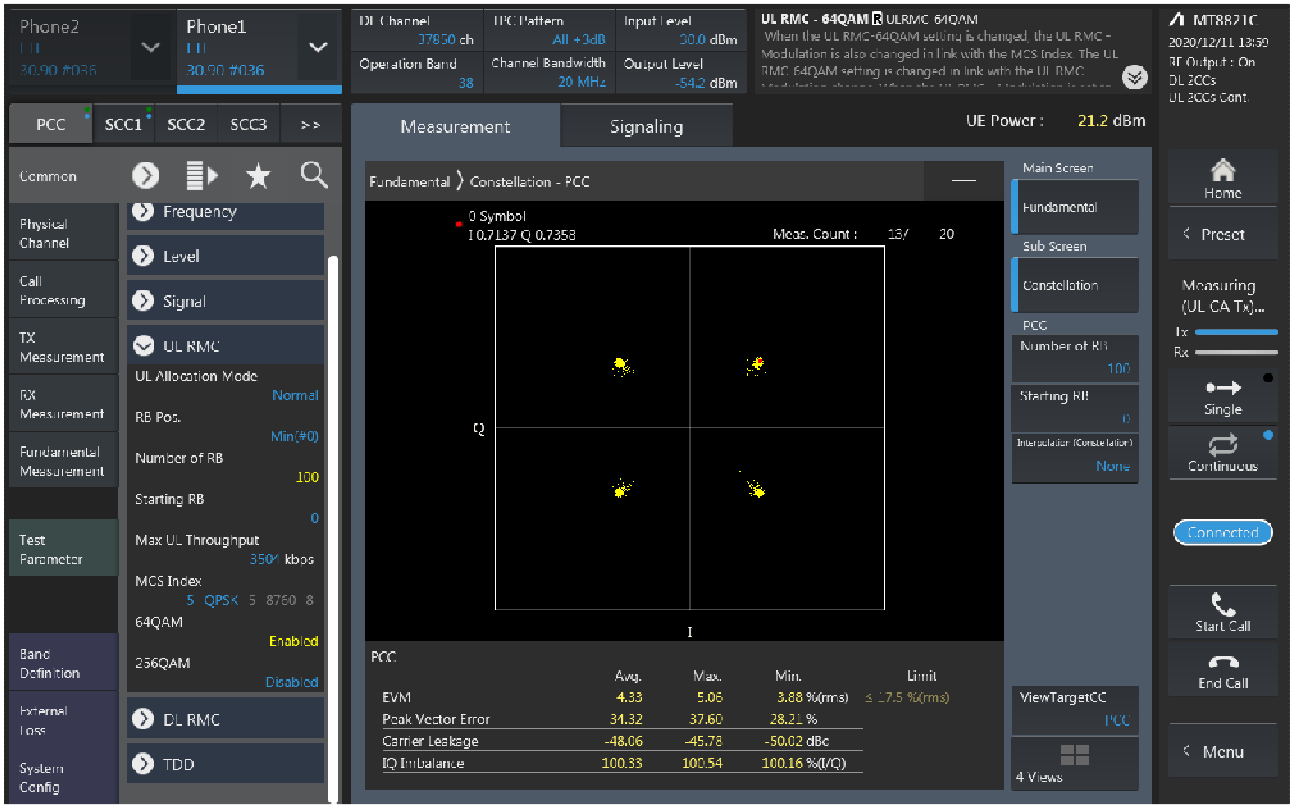
3 Modulation Characteristics

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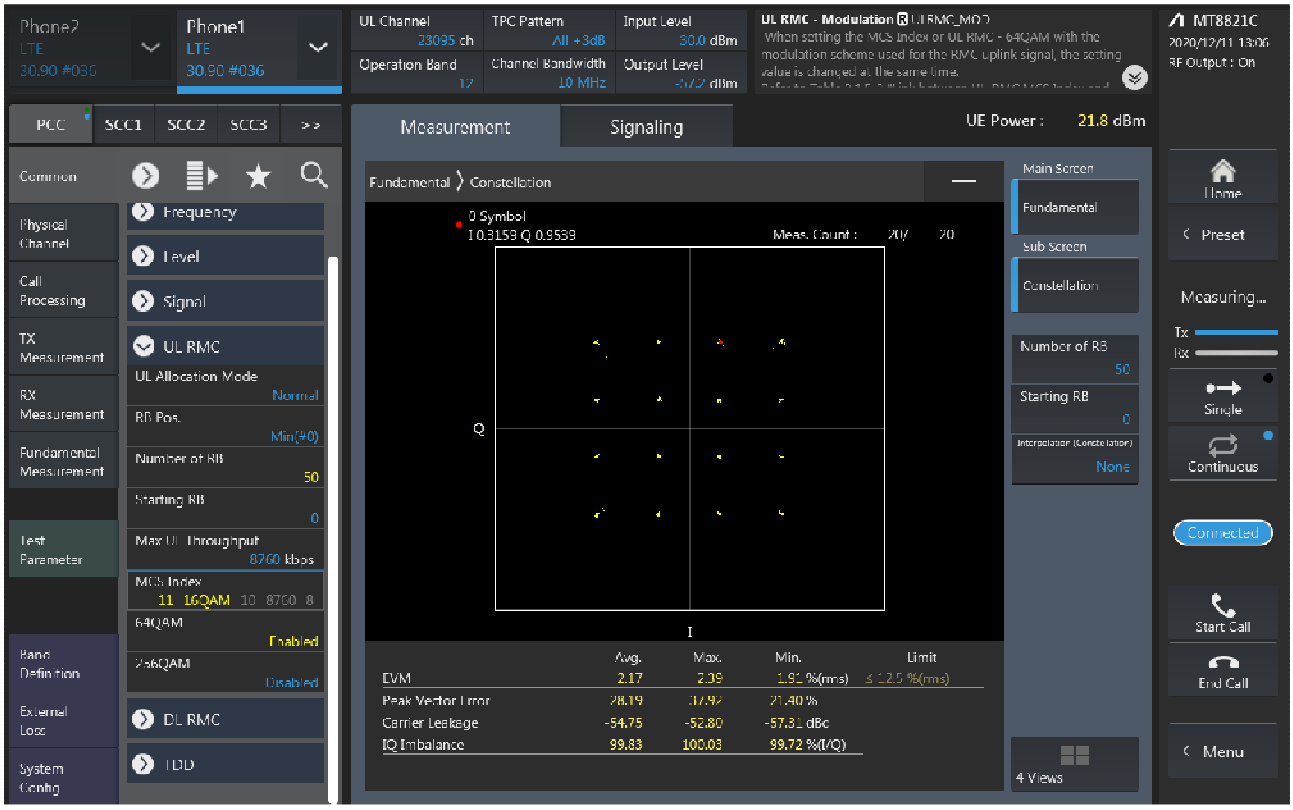
3.1.1.2 Test Mode = LTE /16QAM 100RB+100RB

3.1.1.2.1 Test Channel =37850+38048



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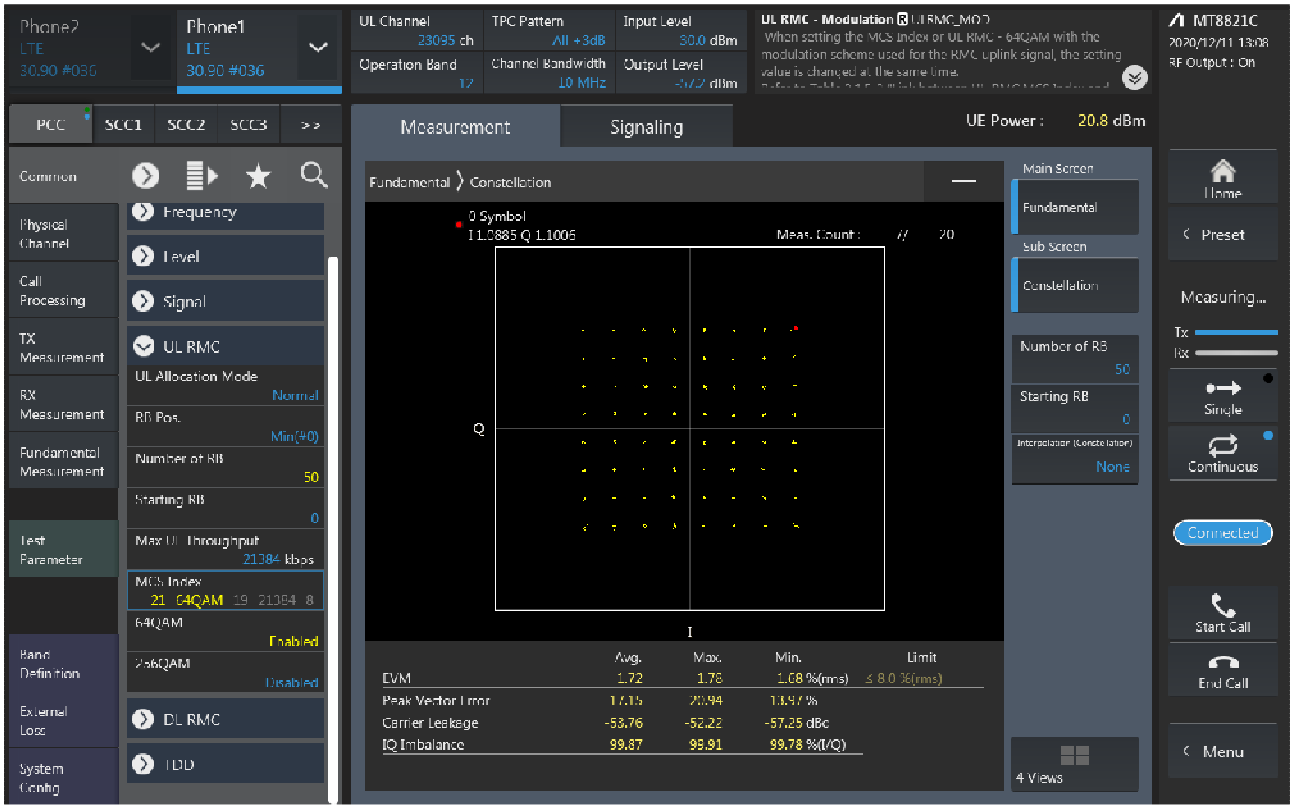
3.1.1.3 Test Mode = LTE /64QAM 100RB+100RB

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	28.24	29.14	PASS
CA_38C	16QAM	75RB+75RB	37825+37975	75RB#0	75RB#0	28.19	29.21	PASS
CA_38C	64QAM	75RB+75RB	37825+37975	75RB#0	75RB#0	28.19	29.24	PASS
CA_38C	QPSK	75RB+75RB	37925+38075	75RB#0	75RB#0	28.30	29.12	PASS
CA_38C	16QAM	75RB+75RB	37925+38075	75RB#0	75RB#0	28.22	29.21	PASS
CA_38C	64QAM	75RB+75RB	37925+38075	75RB#0	75RB#0	28.21	29.23	PASS
CA_38C	QPSK	75RB+75RB	38025+38175	75RB#0	75RB#0	28.24	29.20	PASS
CA_38C	16QAM	75RB+75RB	38025+38175	75RB#0	75RB#0	28.24	29.21	PASS
CA_38C	64QAM	75RB+75RB	38025+38175	75RB#0	75RB#0	28.22	29.21	PASS
CA_38C	QPSK	100RB+100RB	37850+38048	100RB#0	100RB#0	37.31	38.91	PASS
CA_38C	16QAM	100RB+100RB	37850+38048	100RB#0	100RB#0	37.25	38.85	PASS
CA_38C	64QAM	100RB+100RB	37850+38048	100RB#0	100RB#0	37.27	38.91	PASS
CA_38C	QPSK	100RB+100RB	37901+38099	100RB#0	100RB#0	37.25	38.87	PASS
CA_38C	16QAM	100RB+100RB	37901+38099	100RB#0	100RB#0	37.29	38.89	PASS
CA_38C	64QAM	100RB+100RB	37901+38099	100RB#0	100RB#0	37.31	38.91	PASS
CA_38C	QPSK	100RB+100RB	37952+38150	100RB#0	100RB#0	37.53	38.61	PASS
CA_38C	16QAM	100RB+100RB	37952+38150	100RB#0	100RB#0	37.31	38.85	PASS
CA_38C	64QAM	100RB+100RB	37952+38150	100RB#0	100RB#0	37.31	38.83	PASS

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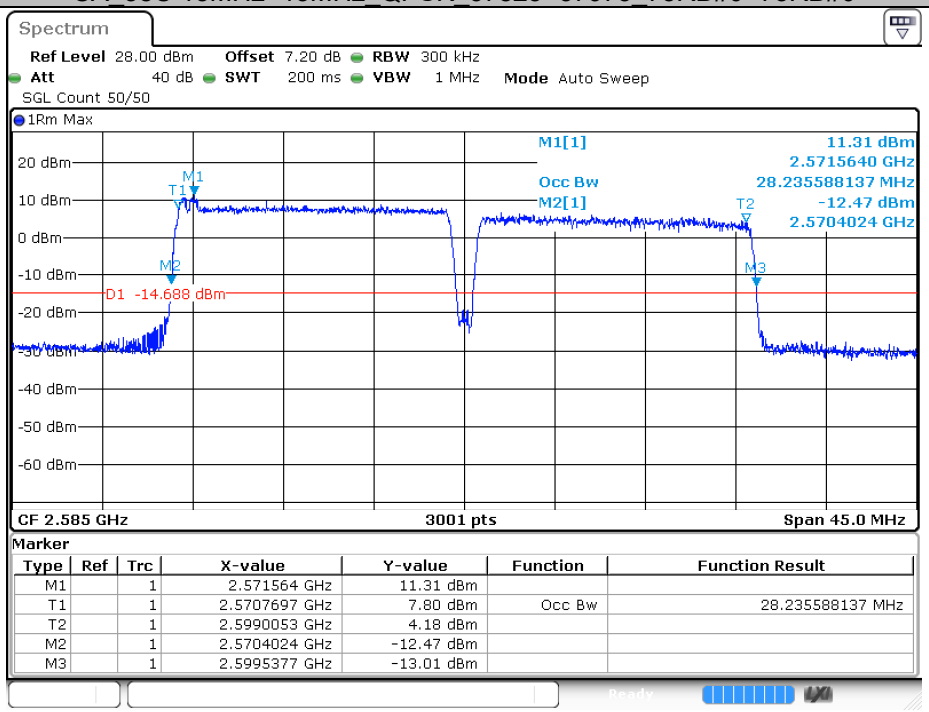
4.1 For LTE

4.1.1 Test Band = LTE Band CA_38C

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.571564 GHz	11.31 dBm		
T1		1	2.5707697 GHz	7.80 dBm	Occ Bw	28.235588137 MHz
T2		1	2.5990053 GHz	4.18 dBm		
M2		1	2.5704024 GHz	-12.47 dBm		
M3		1	2.5995377 GHz	-13.01 dBm		

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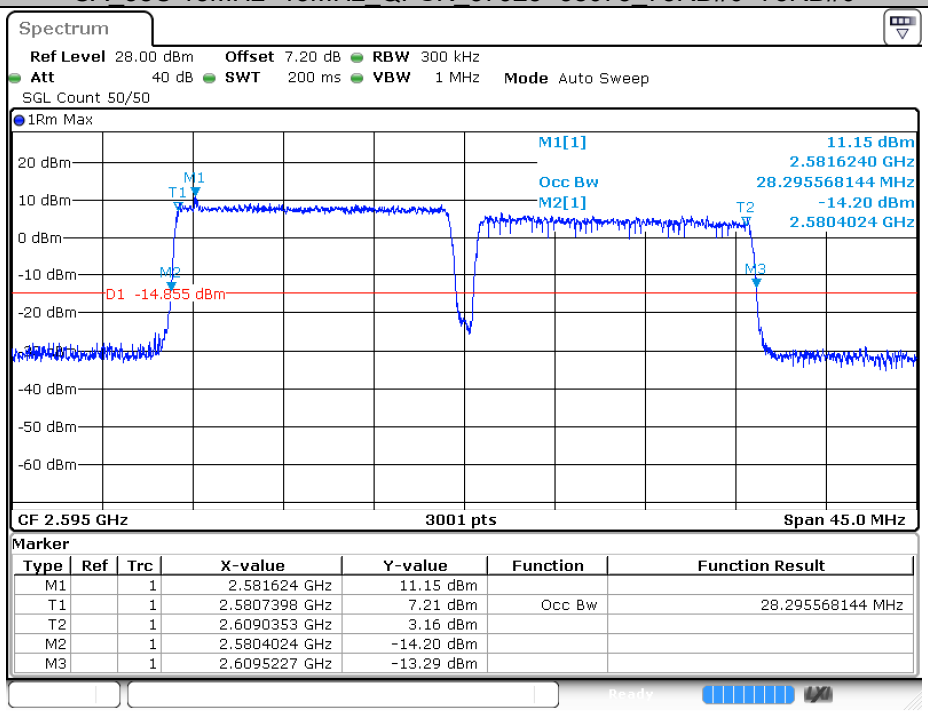
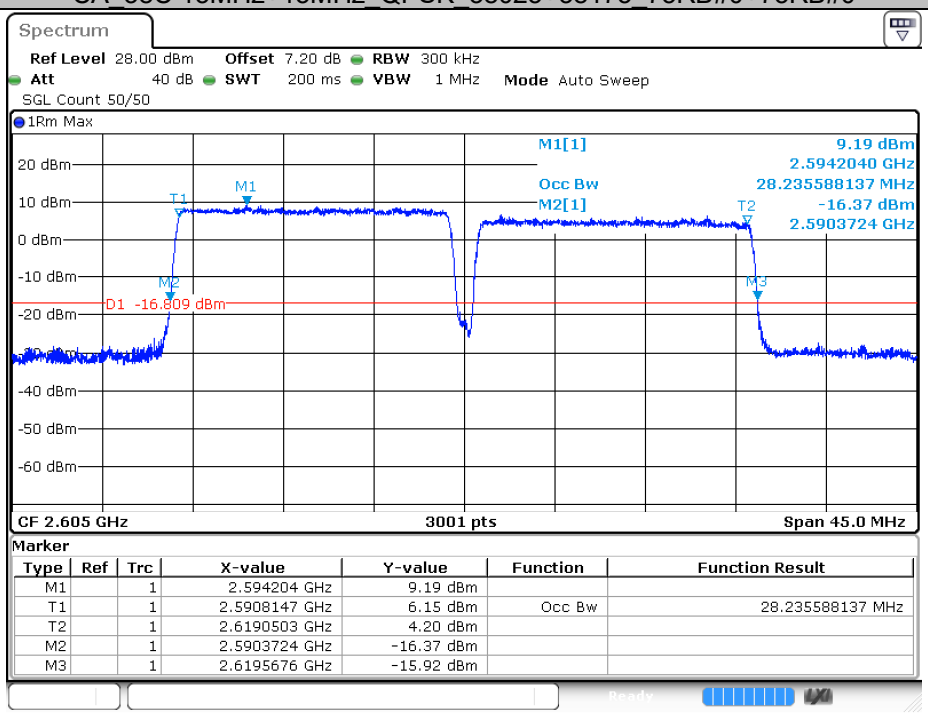
CA_38C 15MHz+15MHz_QPSK_37925+38075_75RB#0+75RB#0



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.581624 GHz	11.15 dBm		
T1		1	2.5807398 GHz	7.21 dBm	Occ Bw	28.295568144 MHz
T2		1	2.6090353 GHz	3.16 dBm		
M2		1	2.5804024 GHz	-14.20 dBm		
M3		1	2.6095227 GHz	-13.29 dBm		

Date: 24.DEC.2020 16:33:32

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



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.594204 GHz	9.19 dBm		
T1		1	2.5908147 GHz	6.15 dBm	Occ Bw	28.235588137 MHz
T2		1	2.6190503 GHz	4.20 dBm		
M2		1	2.5903724 GHz	-16.37 dBm		
M3		1	2.6195676 GHz	-15.92 dBm		

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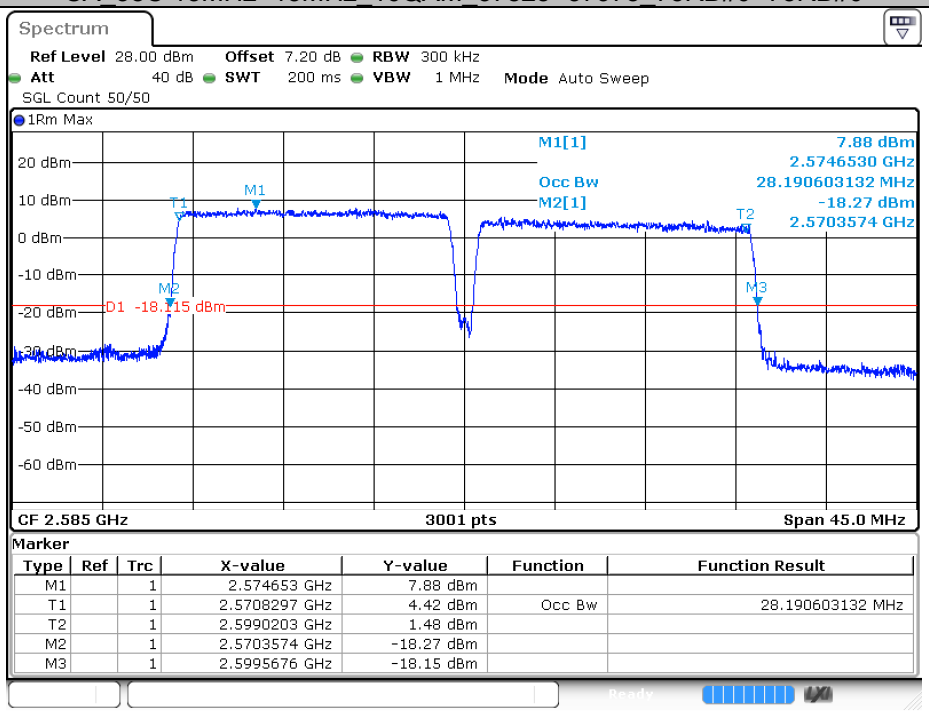
CA_38C 15MHz+15MHz_16QAM_37825+37975_75RB#0+75RB#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.574653 GHz	7.88 dBm		
T1		1	2.5708297 GHz	4.42 dBm	Occ Bw	28.190603132 MHz
T2		1	2.5990203 GHz	1.48 dBm		
M2		1	2.5703574 GHz	-18.27 dBm		
M3		1	2.5995676 GHz	-18.15 dBm		

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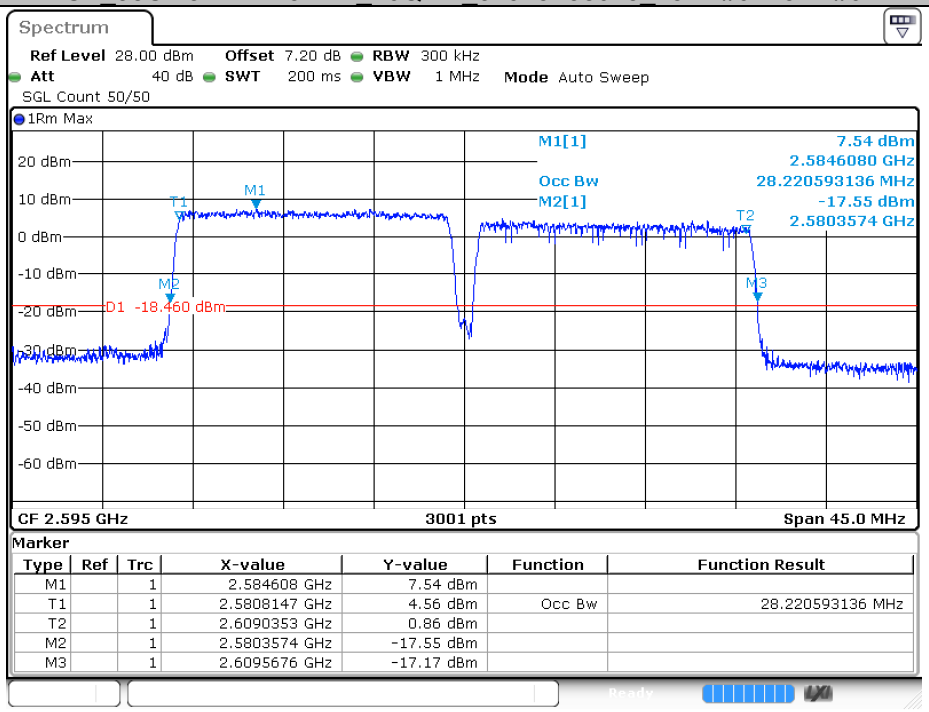
CA_38C 15MHz+15MHz_16QAM_37925+38075_75RB#0+75RB#0



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.584608 GHz	7.54 dBm		
T1		1	2.5808147 GHz	4.56 dBm	Occ Bw	28.220593136 MHz
T2		1	2.6090353 GHz	0.86 dBm		
M2		1	2.5803574 GHz	-17.55 dBm		
M3		1	2.6095676 GHz	-17.17 dBm		

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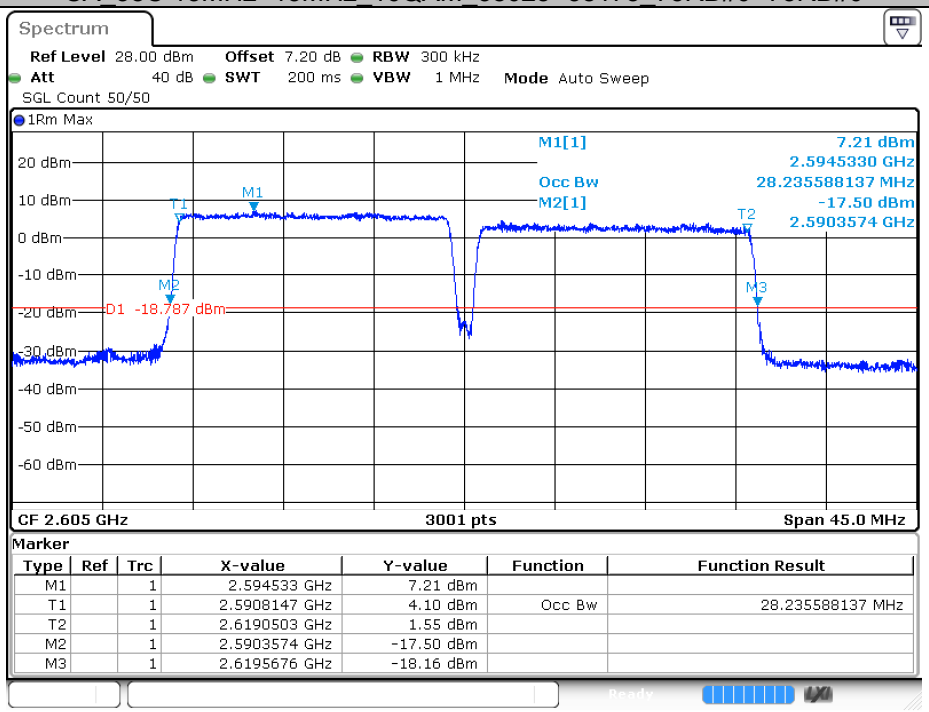
CA_38C 15MHz+15MHz_16QAM_38025+38175_75RB#0+75RB#0



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.594533 GHz	7.21 dBm		
T1		1	2.5908147 GHz	4.10 dBm	Occ Bw	28.235588137 MHz
T2		1	2.6190503 GHz	1.55 dBm		
M2		1	2.5903574 GHz	-17.50 dBm		
M3		1	2.6195676 GHz	-18.16 dBm		

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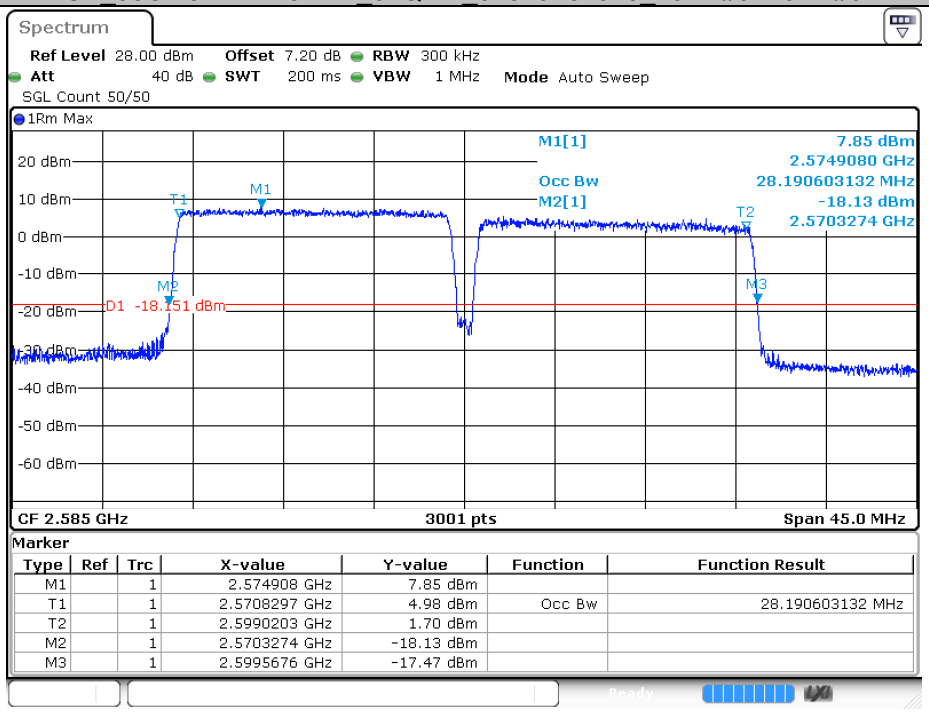
CA_38C 15MHz+15MHz_64QAM_37825+37975_75RB#0+75RB#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.574908 GHz	7.85 dBm		
T1		1	2.5708297 GHz	4.98 dBm	Occ Bw	28.190603132 MHz
T2		1	2.5990203 GHz	1.70 dBm		
M2		1	2.5703274 GHz	-18.13 dBm		
M3		1	2.5995676 GHz	-17.47 dBm		

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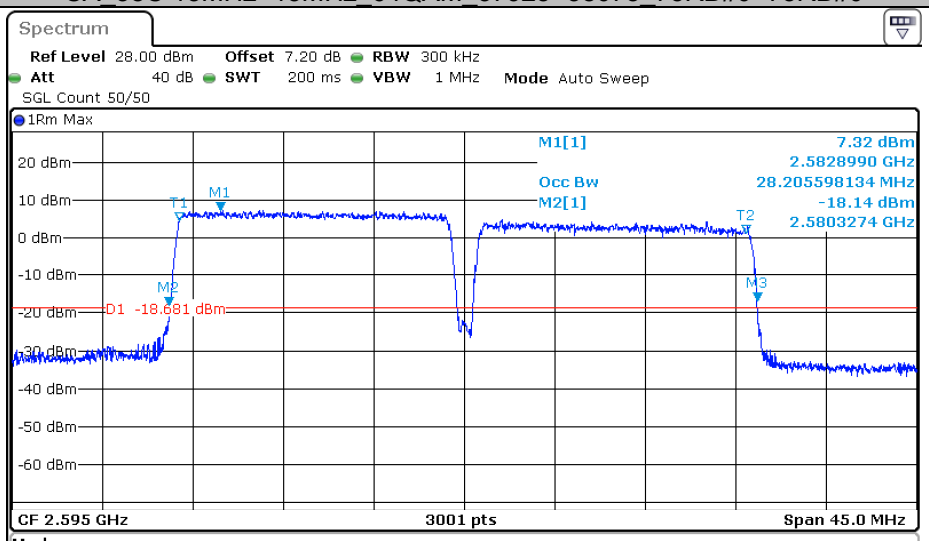

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.582899 GHz	7.32 dBm		
T1		1	2.5808297 GHz	4.44 dBm	Occ Bw	28.205598134 MHz
T2		1	2.6090353 GHz	1.24 dBm		
M2		1	2.5803274 GHz	-18.14 dBm		
M3		1	2.6095526 GHz	-17.02 dBm		

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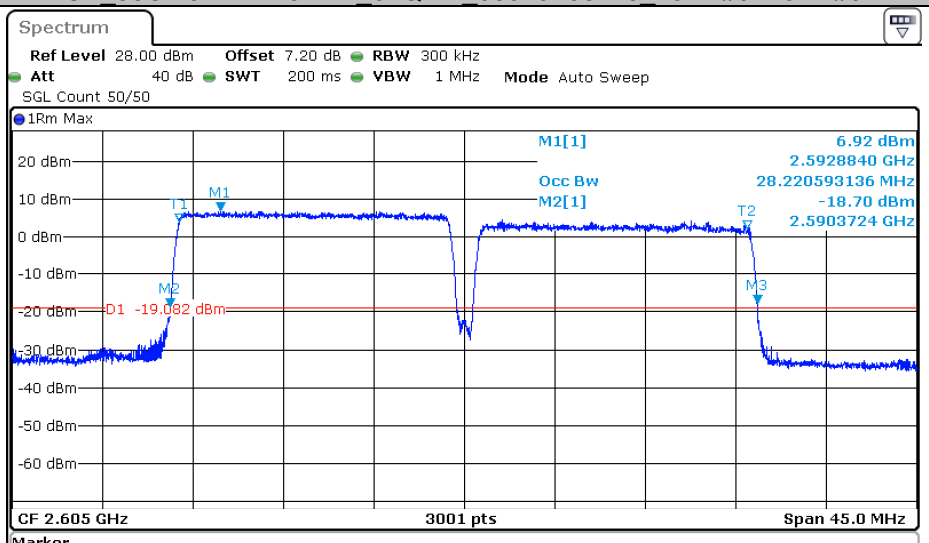
CA_38C 15MHz+15MHz_64QAM_38025+38175_75RB#0+75RB#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.592884 GHz	6.92 dBm		
T1		1	2.5908297 GHz	3.81 dBm	Occ Bw	28.220593136 MHz
T2		1	2.6190503 GHz	2.22 dBm		
M2		1	2.5903724 GHz	-18.70 dBm		
M3		1	2.6195826 GHz	-17.91 dBm		

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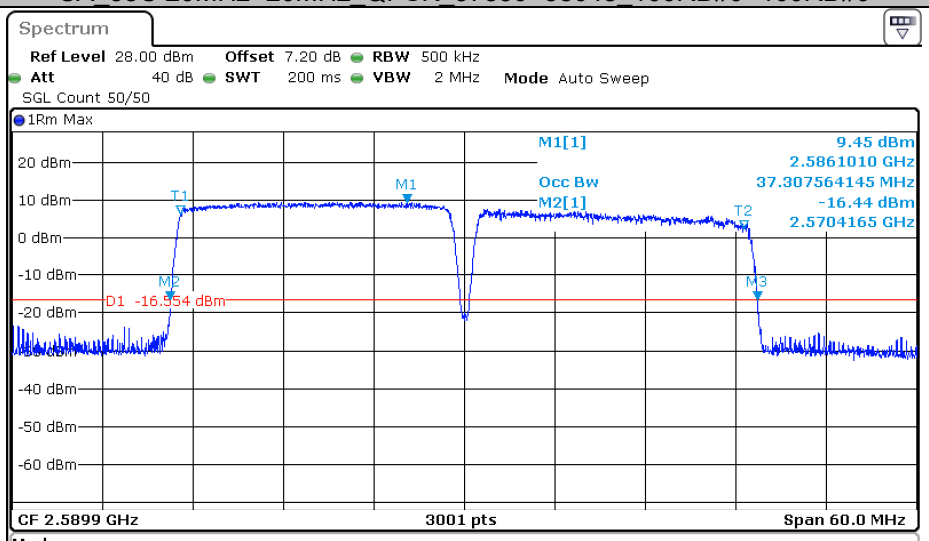
CA_38C 20MHz+20MHz_QPSK_37850+38048_100RB#0+100RB#0



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.586101 GHz	9.45 dBm		
T1		1	2.5711063 GHz	6.41 dBm	Occ Bw	37.307564145 MHz
T2		1	2.6084138 GHz	2.32 dBm		
M2		1	2.5704165 GHz	-16.44 dBm		
M3		1	2.6093235 GHz	-16.44 dBm		

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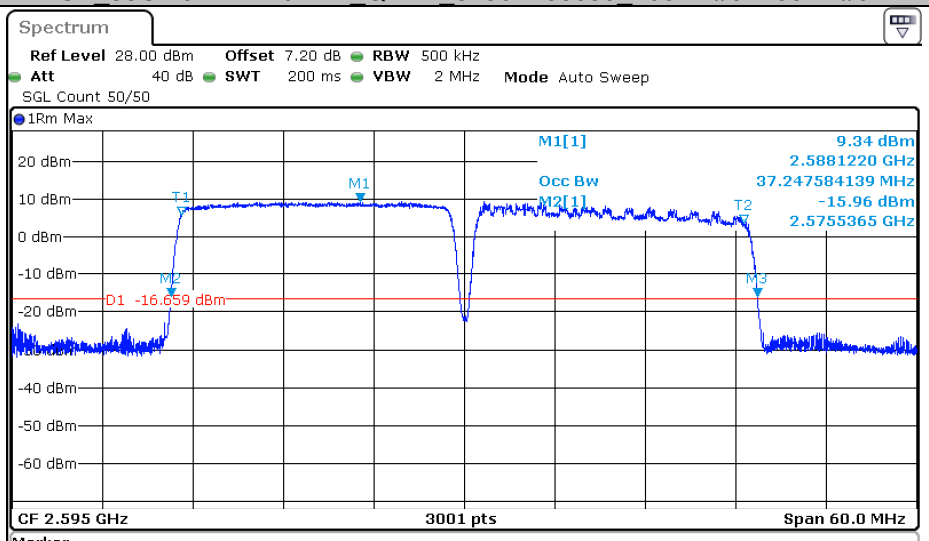
CA_38C 20MHz+20MHz_QPSK_37901+38099_100RB#0+100RB#0



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.588122 GHz	9.34 dBm		
T1		1	2.5762463 GHz	5.76 dBm	Occ Bw	37.247584139 MHz
T2		1	2.6134938 GHz	3.55 dBm		
M2		1	2.5755365 GHz	-15.96 dBm		
M3		1	2.6144035 GHz	-15.83 dBm		

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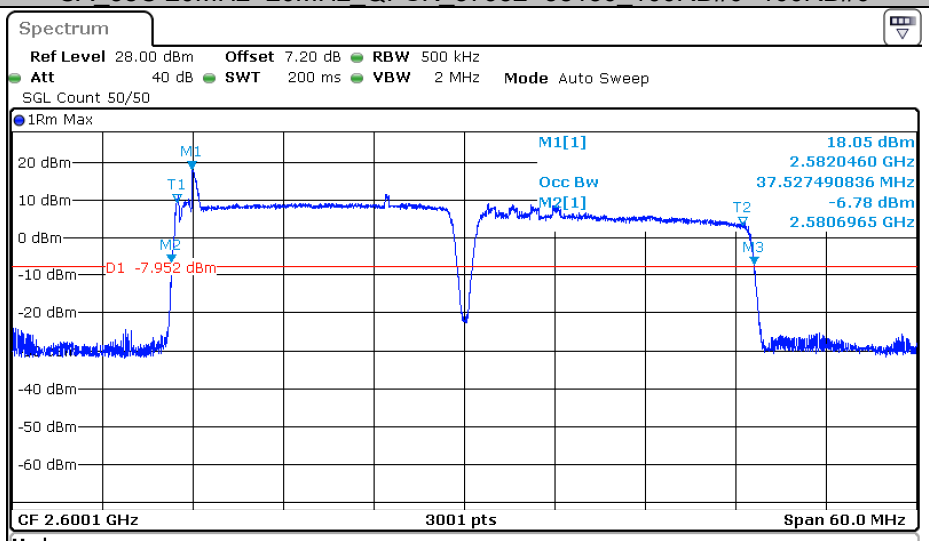
CA_38C 20MHz+20MHz_QPSK_37952+38150_100RB#0+100RB#0



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.582046 GHz	18.05 dBm		
T1		1	2.5810264 GHz	9.31 dBm	Occ Bw	37.527490836 MHz
T2		1	2.6185538 GHz	3.27 dBm		
M2		1	2.5806965 GHz	-6.78 dBm		
M3		1	2.6193036 GHz	-7.30 dBm		

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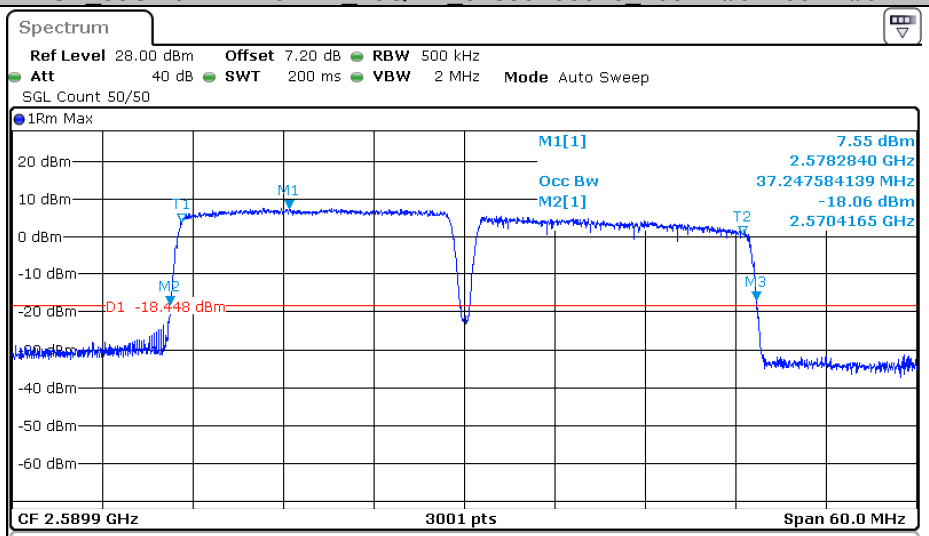
CA_38C 20MHz+20MHz_16QAM_37850+38048_100RB#0+100RB#0



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.578284 GHz	7.55 dBm		
T1		1	2.5711263 GHz	3.88 dBm	Occ Bw	37.247584139 MHz
T2		1	2.6083738 GHz	0.46 dBm		
M2		1	2.5704165 GHz	-18.06 dBm		
M3		1	2.6092635 GHz	-16.95 dBm		

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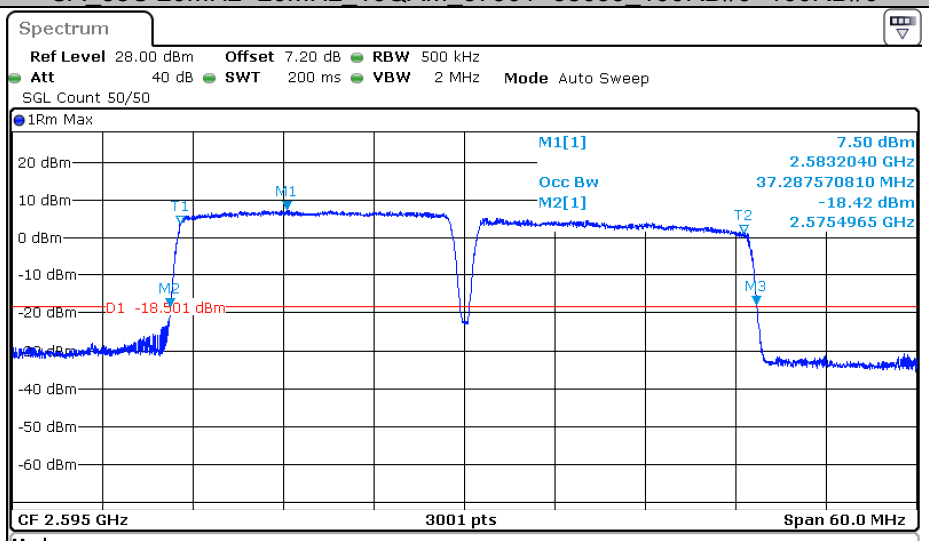

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.583204 GHz	7.50 dBm		
T1		1	2.5762063 GHz	3.47 dBm	Occ Bw	37.28757081 MHz
T2		1	2.6134938 GHz	1.34 dBm		
M2		1	2.5754965 GHz	-18.42 dBm		
M3		1	2.6143835 GHz	-17.69 dBm		

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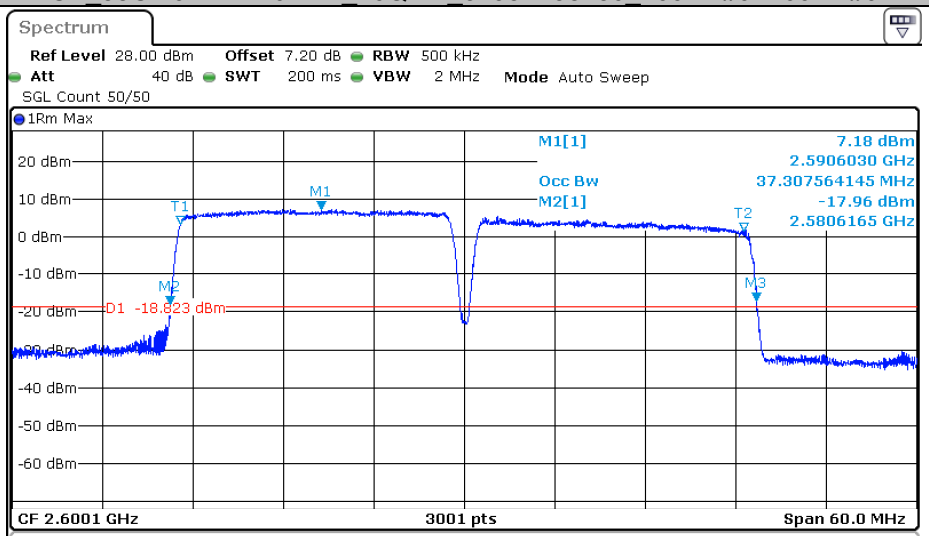
CA_38C 20MHz+20MHz_16QAM_37952+38150_100RB#0+100RB#0



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.590603 GHz	7.18 dBm		
T1		1	2.5813063 GHz	3.19 dBm	Occ Bw	37.307564145 MHz
T2		1	2.6186138 GHz	1.62 dBm		
M2		1	2.5806165 GHz	-17.96 dBm		
M3		1	2.6194635 GHz	-17.09 dBm		

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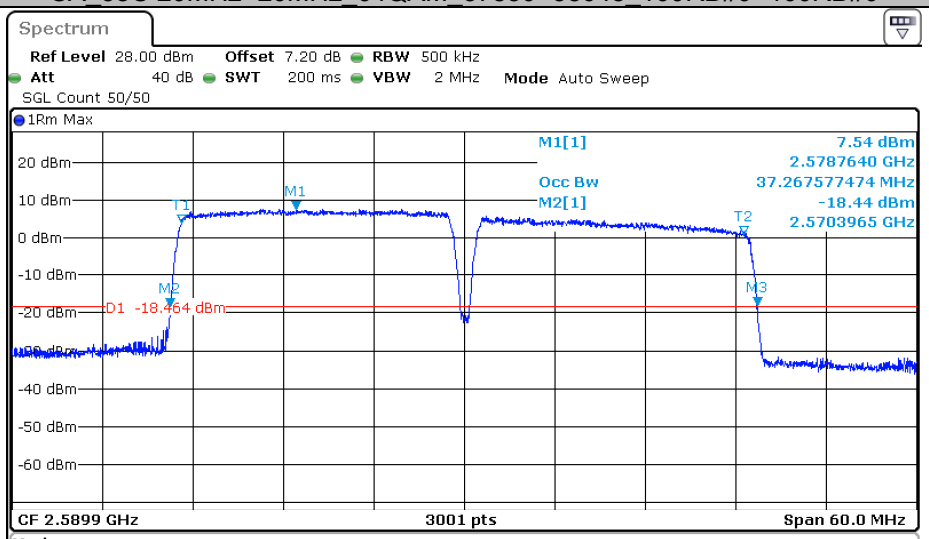

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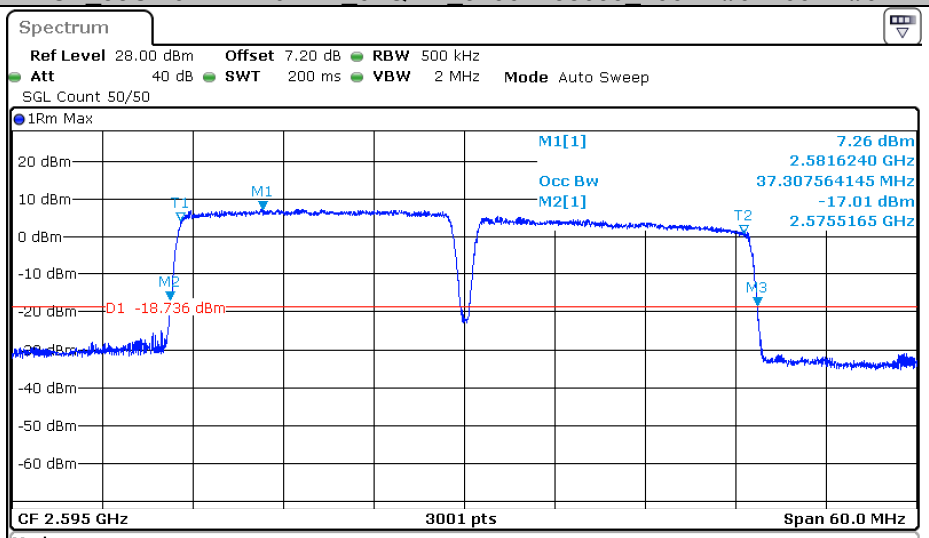
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.578764 GHz	7.54 dBm		
T1		1	2.5711263 GHz	3.76 dBm	Occ Bw	37.267577474 MHz
T2		1	2.6083938 GHz	0.98 dBm		
M2		1	2.5703965 GHz	-18.44 dBm		
M3		1	2.6093035 GHz	-18.10 dBm		

Date: 24.DEC.2020 16:36:07

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.581624 GHz	7.26 dBm		
T1		1	2.5762063 GHz	4.07 dBm	Occ Bw	37.307564145 MHz
T2		1	2.6135138 GHz	0.75 dBm		
M2		1	2.5755165 GHz	-17.01 dBm		
M3		1	2.6144235 GHz	-18.47 dBm		

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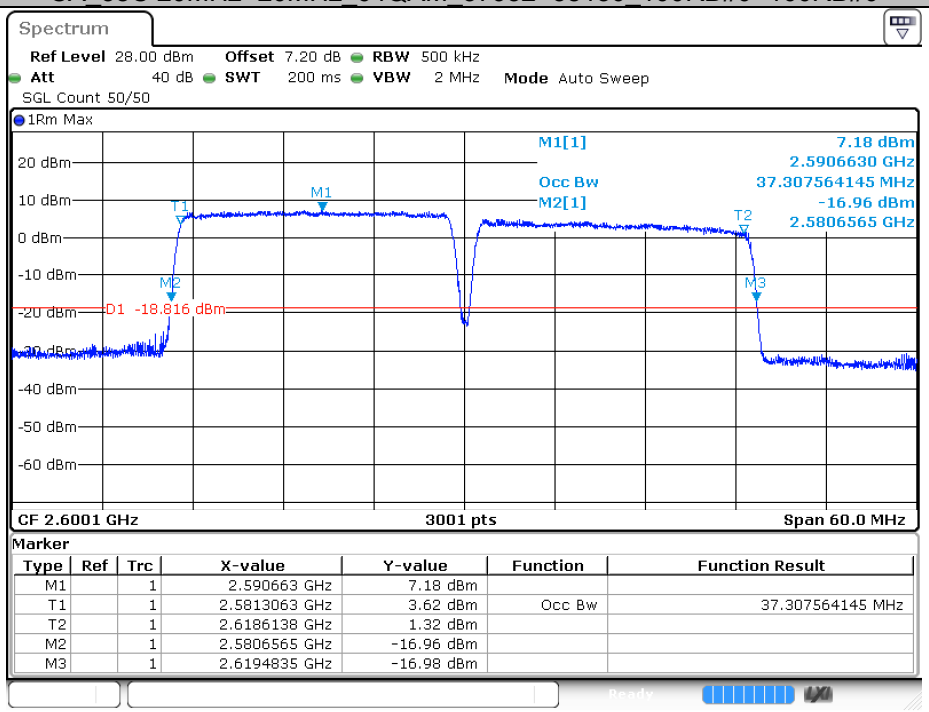

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.590663 GHz	7.18 dBm		
T1		1	2.5813063 GHz	3.62 dBm	Occ Bw	37.307564145 MHz
T2		1	2.6186138 GHz	1.32 dBm		
M2		1	2.5806565 GHz	-16.96 dBm		
M3		1	2.6194835 GHz	-16.98 dBm		

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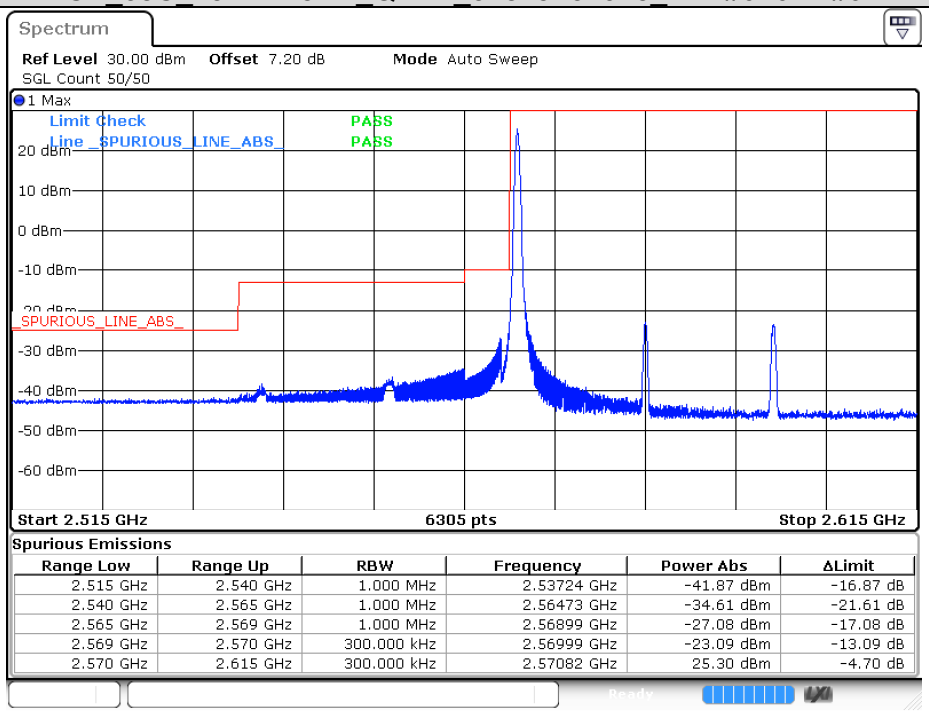
5 Band Edges Compliance

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	2.53724 GHz	-41.87 dBm	-16.87 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.56473 GHz	-34.61 dBm	-21.61 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56899 GHz	-27.08 dBm	-17.08 dB
2.569 GHz	2.570 GHz	300.000 kHz	2.56999 GHz	-23.09 dBm	-13.09 dB
2.570 GHz	2.615 GHz	300.000 kHz	2.57082 GHz	25.30 dBm	-4.70 dB

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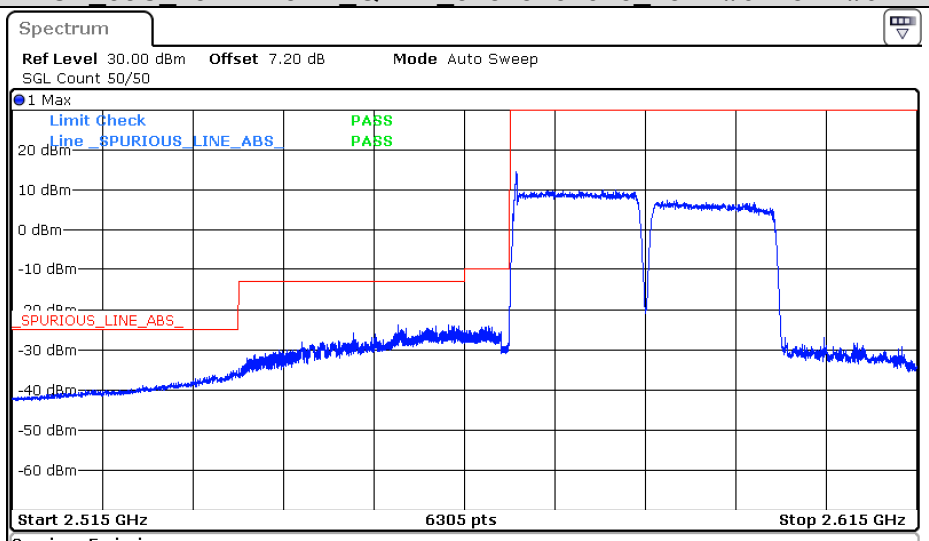

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.540 GHz	1.000 MHz	2.53984 GHz	-35.27 dBm	-10.27 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.55767 GHz	-23.88 dBm	-10.88 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56761 GHz	-24.08 dBm	-14.08 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.56998 GHz	-19.33 dBm	-9.33 dB
2.570 GHz	2.615 GHz	500.000 kHz	2.57075 GHz	14.60 dBm	-15.40 dB

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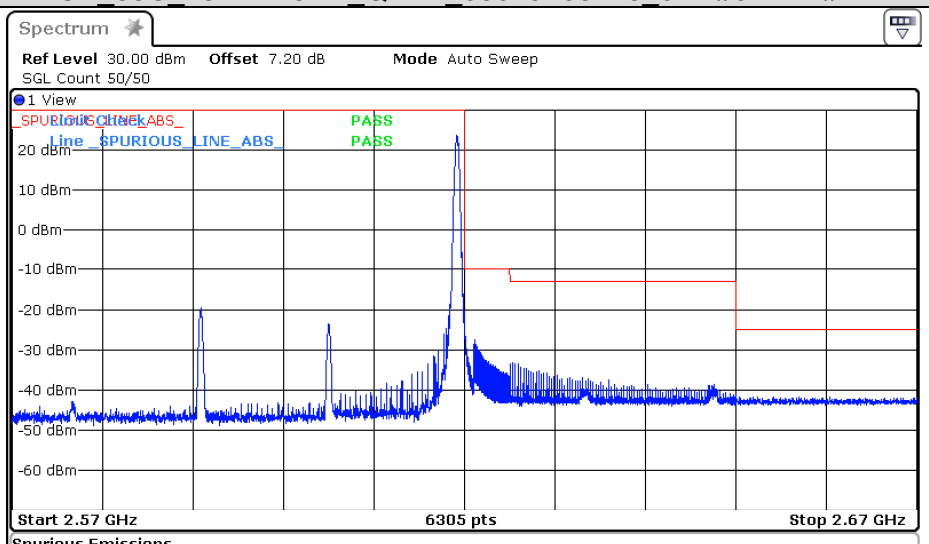

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	300.000 kHz	2.61914 GHz	23.71 dBm	-6.29 dB
2.620 GHz	2.621 GHz	300.000 kHz	2.62000 GHz	-24.06 dBm	-14.06 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62116 GHz	-27.51 dBm	-17.51 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.62536 GHz	-33.27 dBm	-20.27 dB
2.650 GHz	2.670 GHz	1.000 MHz	2.65696 GHz	-41.65 dBm	-16.65 dB

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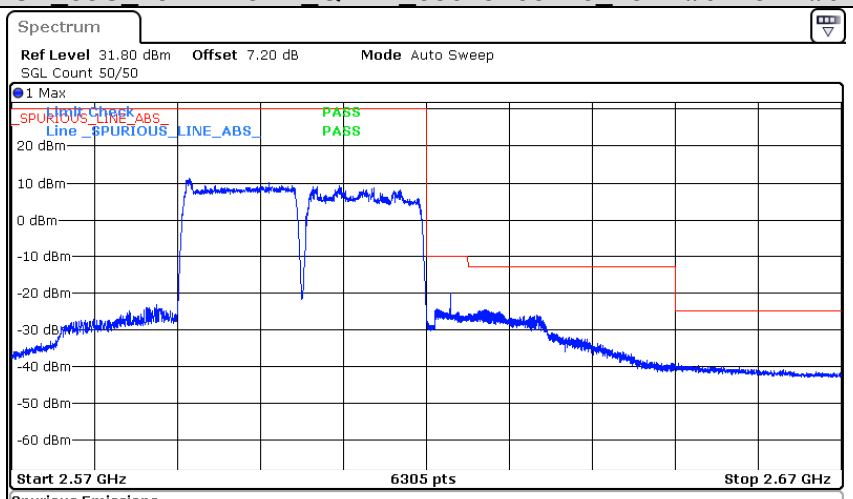
CA_38C_75RB+75RB_QPSK_38025+38175_75RB#0+75RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	500.000 kHz	2.59135 GHz	11.30 dBm	-18.70 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62000 GHz	-26.85 dBm	-16.85 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62288 GHz	-20.03 dBm	-10.03 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.62724 GHz	-24.58 dBm	-11.58 dB
2.650 GHz	2.670 GHz	1.000 MHz	2.65043 GHz	-39.14 dBm	-14.14 dB

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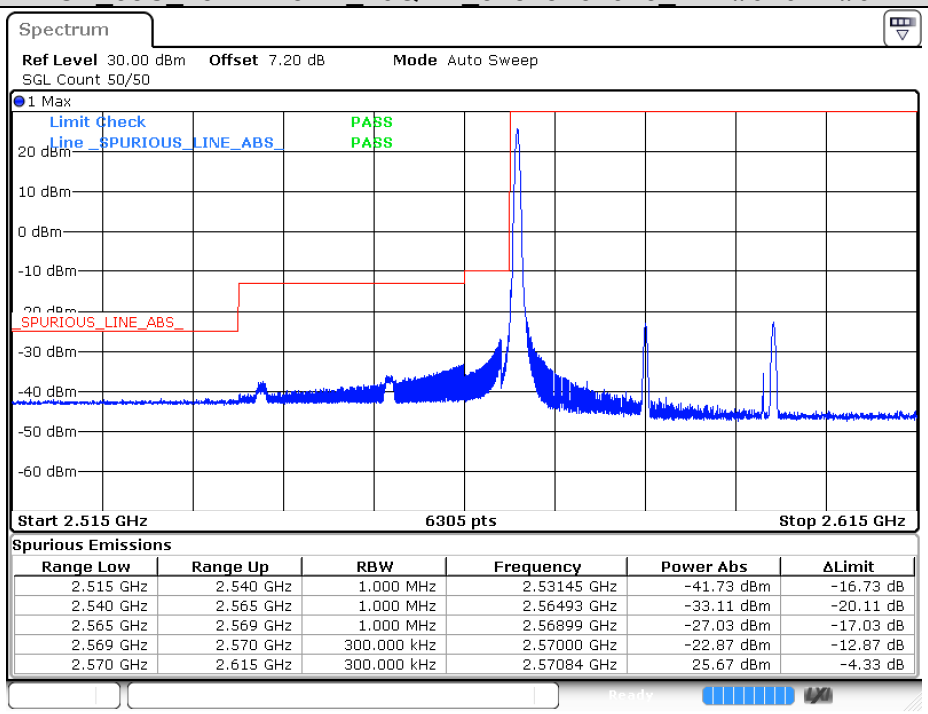

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.540 GHz	1.000 MHz	2.53145 GHz	-41.73 dBm	-16.73 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.56493 GHz	-33.11 dBm	-20.11 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56899 GHz	-27.03 dBm	-17.03 dB
2.569 GHz	2.570 GHz	300.000 kHz	2.57000 GHz	-22.87 dBm	-12.87 dB
2.570 GHz	2.615 GHz	300.000 kHz	2.57084 GHz	25.67 dBm	-4.33 dB

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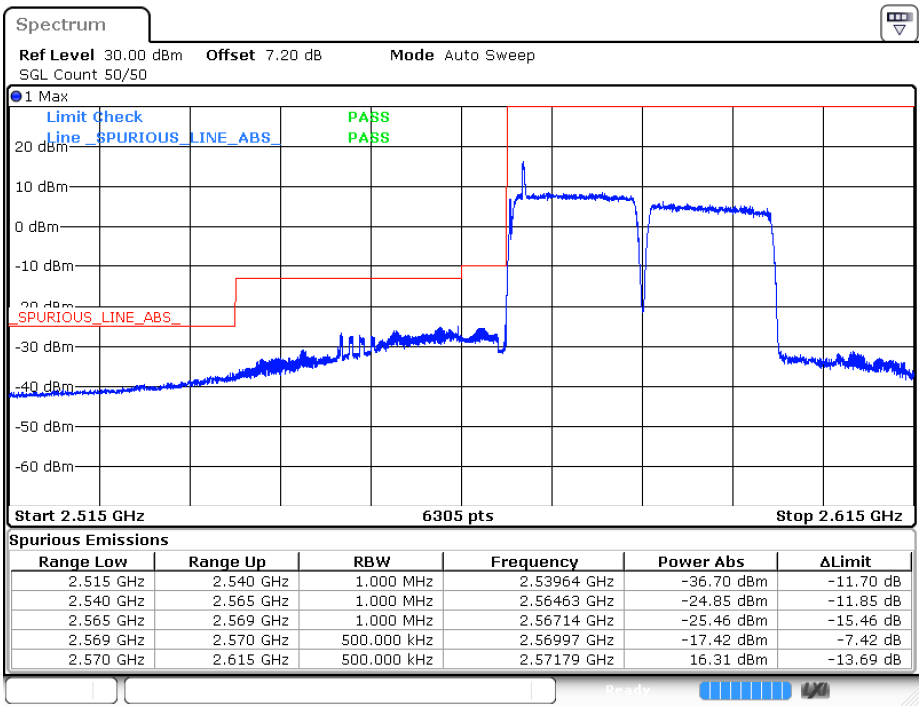

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.540 GHz	1.000 MHz	2.53964 GHz	-36.70 dBm	-11.70 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.56463 GHz	-24.85 dBm	-11.85 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56714 GHz	-25.46 dBm	-15.46 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.56997 GHz	-17.42 dBm	-7.42 dB
2.570 GHz	2.615 GHz	500.000 kHz	2.57179 GHz	16.31 dBm	-13.69 dB

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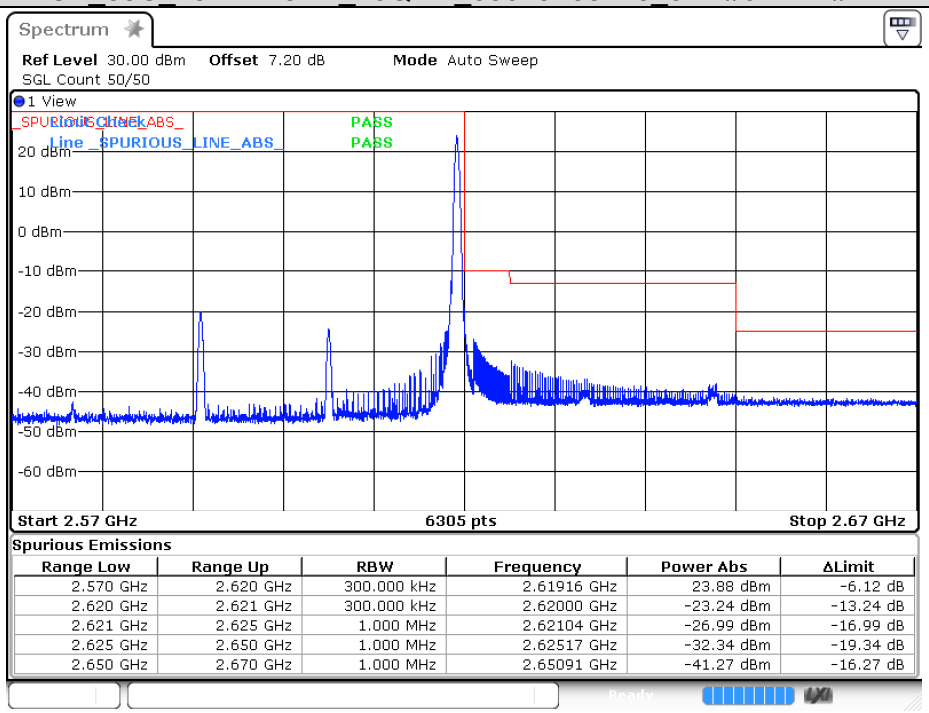

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	300.000 kHz	2.61916 GHz	23.88 dBm	-6.12 dB
2.620 GHz	2.621 GHz	300.000 kHz	2.62000 GHz	-23.24 dBm	-13.24 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62104 GHz	-26.99 dBm	-16.99 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.62517 GHz	-32.34 dBm	-19.34 dB
2.650 GHz	2.670 GHz	1.000 MHz	2.65091 GHz	-41.27 dBm	-16.27 dB

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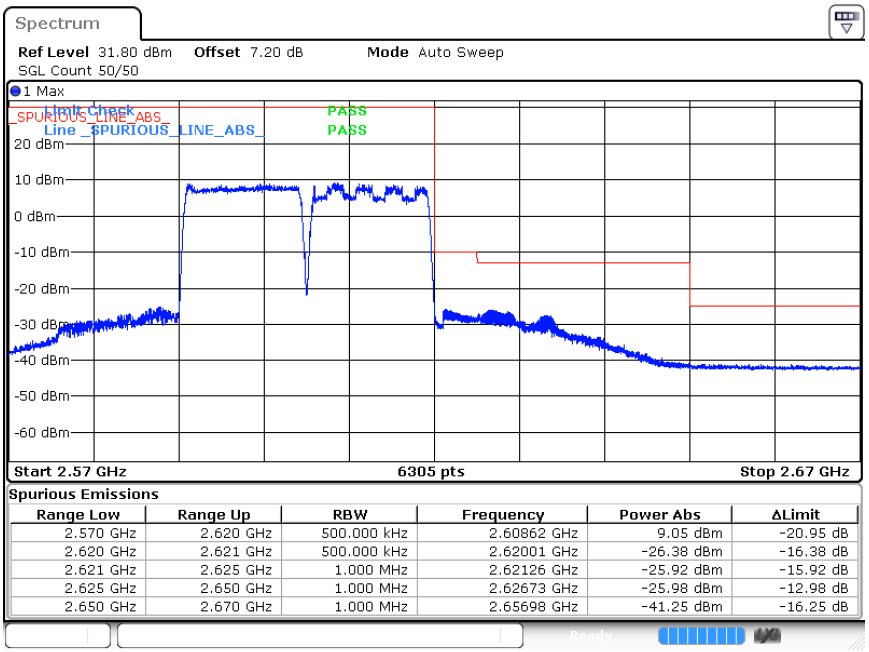

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	500.000 kHz	2.60862 GHz	9.05 dBm	-20.95 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62001 GHz	-26.38 dBm	-16.38 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62126 GHz	-25.92 dBm	-15.92 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.62673 GHz	-25.98 dBm	-12.98 dB
2.650 GHz	2.670 GHz	1.000 MHz	2.65698 GHz	-41.25 dBm	-16.25 dB

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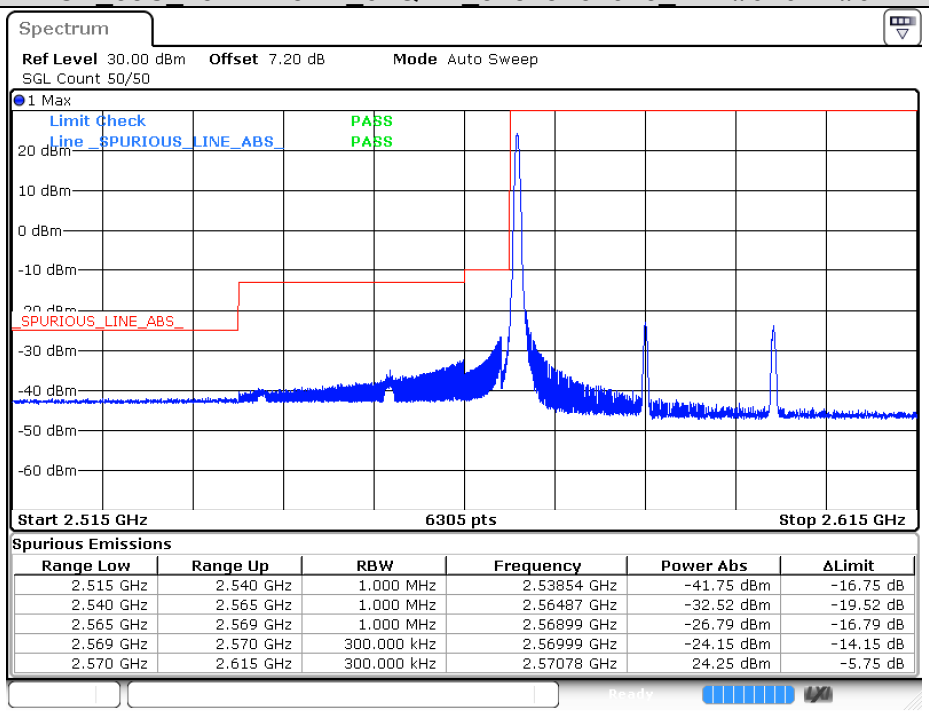

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.540 GHz	1.000 MHz	2.53854 GHz	-41.75 dBm	-16.75 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.56487 GHz	-32.52 dBm	-19.52 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56899 GHz	-26.79 dBm	-16.79 dB
2.569 GHz	2.570 GHz	300.000 kHz	2.56999 GHz	-24.15 dBm	-14.15 dB
2.570 GHz	2.615 GHz	300.000 kHz	2.57078 GHz	24.25 dBm	-5.75 dB

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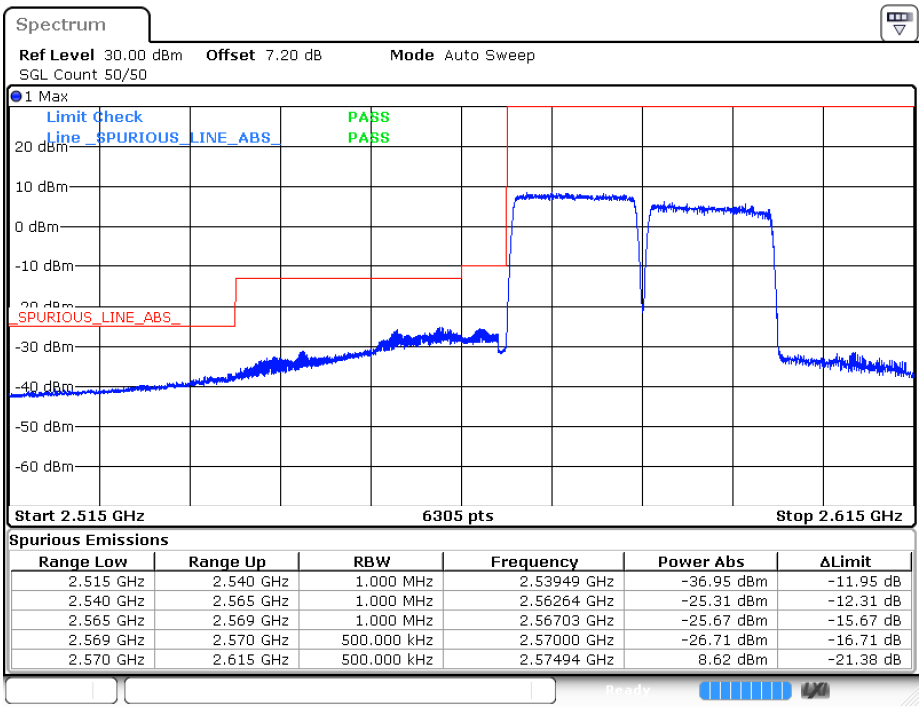

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.540 GHz	1.000 MHz	2.53949 GHz	-36.95 dBm	-11.95 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.56264 GHz	-25.31 dBm	-12.31 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56703 GHz	-25.67 dBm	-15.67 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.57000 GHz	-26.71 dBm	-16.71 dB
2.570 GHz	2.615 GHz	500.000 kHz	2.57494 GHz	8.62 dBm	-21.38 dB

Date: 24.DEC.2020 16:41:21

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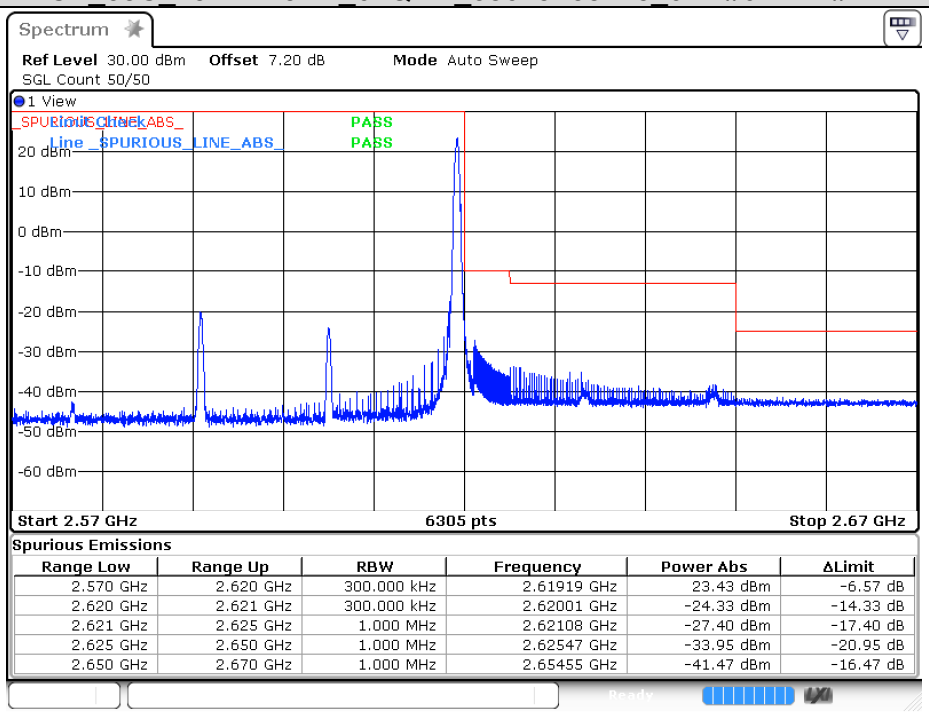

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	300.000 kHz	2.61919 GHz	23.43 dBm	-6.57 dB
2.620 GHz	2.621 GHz	300.000 kHz	2.62001 GHz	-24.33 dBm	-14.33 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62108 GHz	-27.40 dBm	-17.40 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.62547 GHz	-33.95 dBm	-20.95 dB
2.650 GHz	2.670 GHz	1.000 MHz	2.65455 GHz	-41.47 dBm	-16.47 dB

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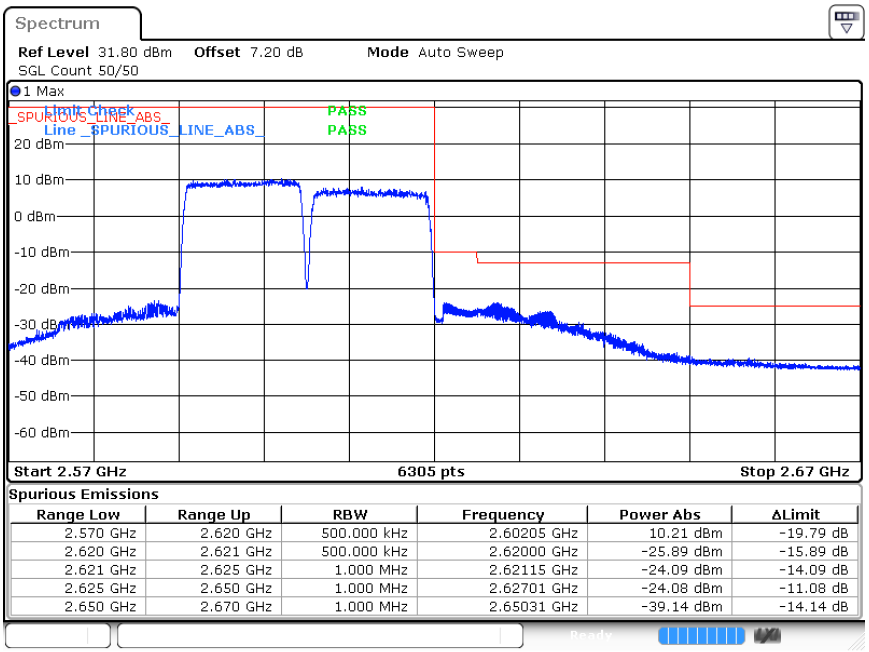

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	500.000 kHz	2.60205 GHz	10.21 dBm	-19.79 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62000 GHz	-25.89 dBm	-15.89 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62115 GHz	-24.09 dBm	-14.09 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.62701 GHz	-24.08 dBm	-11.08 dB
2.650 GHz	2.670 GHz	1.000 MHz	2.65031 GHz	-39.14 dBm	-14.14 dB

Date: 15.DEC.2020 09:51:38

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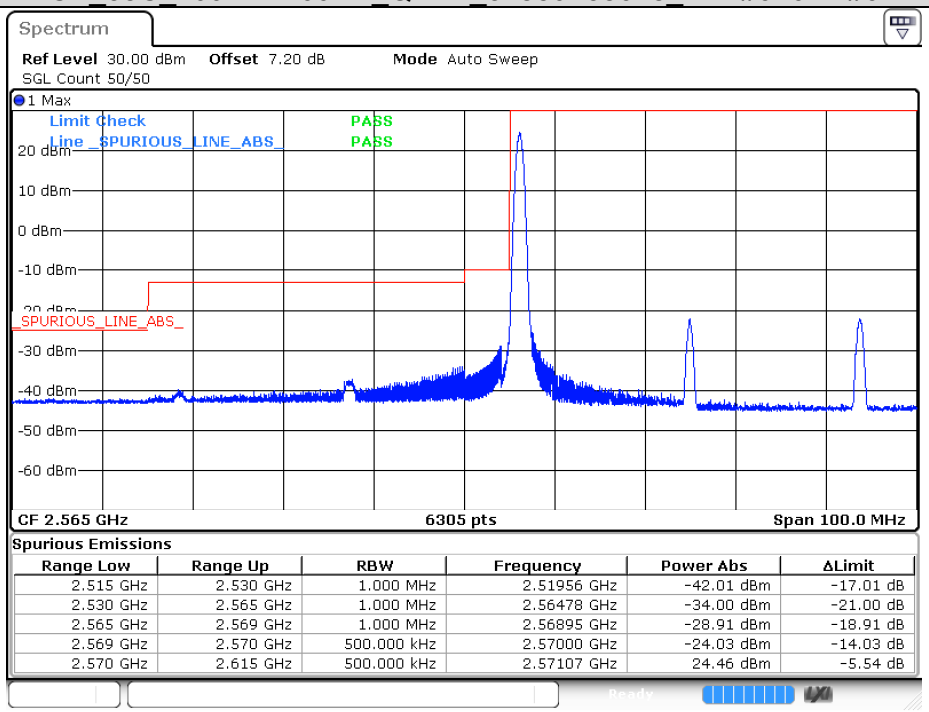

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.530 GHz	1.000 MHz	2.51956 GHz	-42.01 dBm	-17.01 dB
2.530 GHz	2.565 GHz	1.000 MHz	2.56478 GHz	-34.00 dBm	-21.00 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56895 GHz	-28.91 dBm	-18.91 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.57000 GHz	-24.03 dBm	-14.03 dB
2.570 GHz	2.615 GHz	500.000 kHz	2.57107 GHz	24.46 dBm	-5.54 dB

Date: 24.DEC.2020 16:43:34

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

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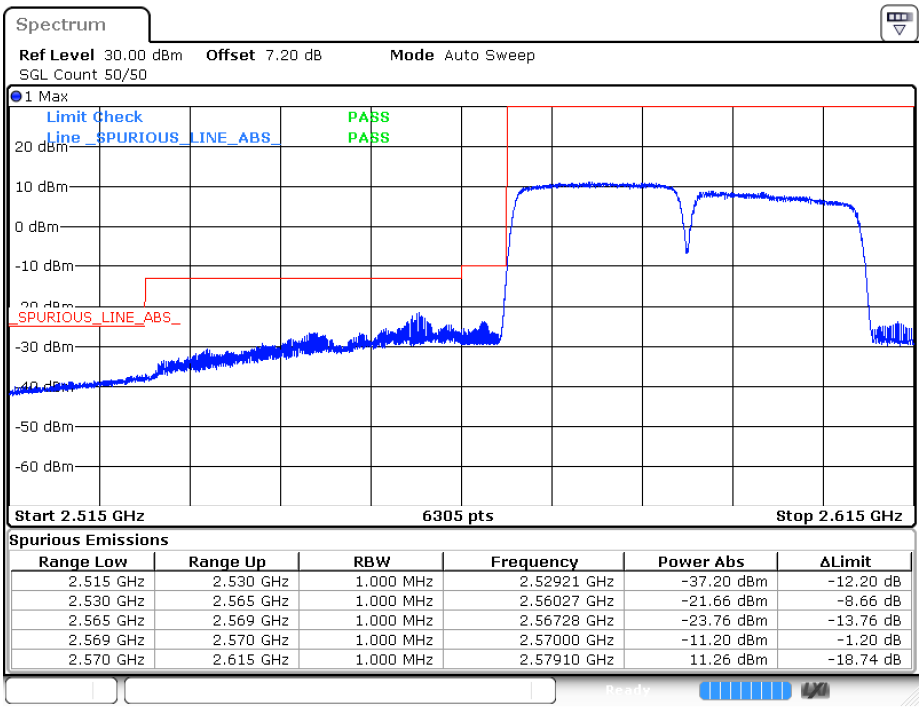

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.530 GHz	1.000 MHz	2.52921 GHz	-37.20 dBm	-12.20 dB
2.530 GHz	2.565 GHz	1.000 MHz	2.56027 GHz	-21.66 dBm	-8.66 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56728 GHz	-23.76 dBm	-13.76 dB
2.569 GHz	2.570 GHz	1.000 MHz	2.57000 GHz	-11.20 dBm	-1.20 dB
2.570 GHz	2.615 GHz	1.000 MHz	2.57910 GHz	11.26 dBm	-18.74 dB

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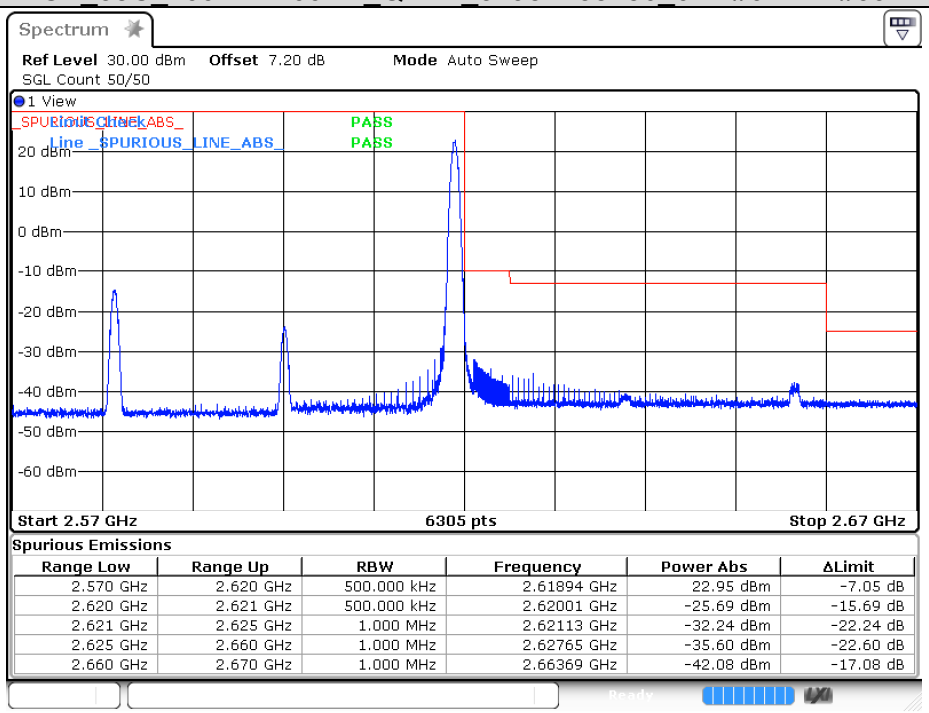

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	500.000 kHz	2.61894 GHz	22.95 dBm	-7.05 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62001 GHz	-25.69 dBm	-15.69 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62113 GHz	-32.24 dBm	-22.24 dB
2.625 GHz	2.660 GHz	1.000 MHz	2.62765 GHz	-35.60 dBm	-22.60 dB
2.660 GHz	2.670 GHz	1.000 MHz	2.66369 GHz	-42.08 dBm	-17.08 dB

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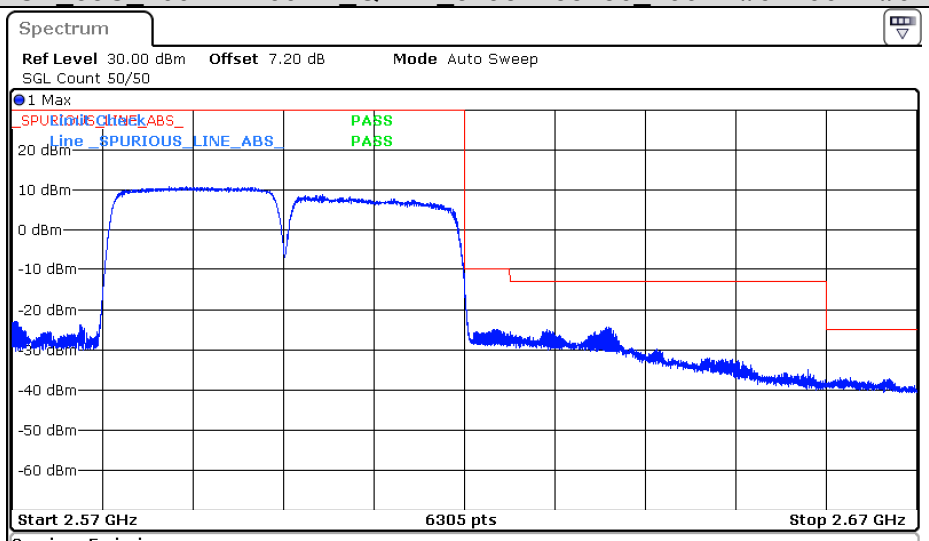

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	1.000 MHz	2.58733 GHz	10.87 dBm	-19.13 dB
2.620 GHz	2.621 GHz	1.000 MHz	2.62000 GHz	-15.00 dBm	-5.00 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62370 GHz	-24.87 dBm	-14.87 dB
2.625 GHz	2.660 GHz	1.000 MHz	2.63568 GHz	-24.40 dBm	-11.40 dB
2.660 GHz	2.670 GHz	1.000 MHz	2.66149 GHz	-36.96 dBm	-11.96 dB

Date: 24.DEC.2020 16:48:19

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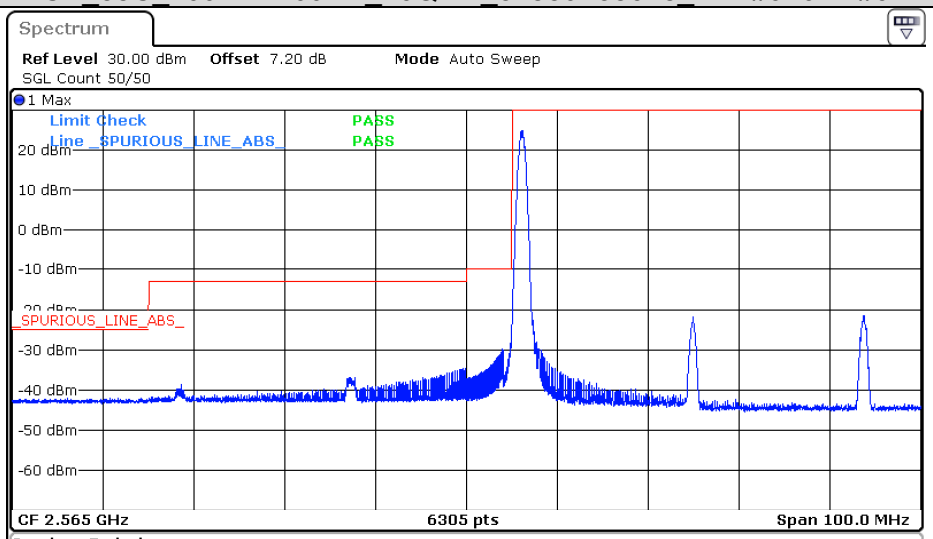

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.530 GHz	1.000 MHz	2.52921 GHz	-41.96 dBm	-16.96 dB
2.530 GHz	2.565 GHz	1.000 MHz	2.56485 GHz	-34.58 dBm	-21.58 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56897 GHz	-29.71 dBm	-19.71 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.57000 GHz	-23.84 dBm	-13.84 dB
2.570 GHz	2.615 GHz	500.000 kHz	2.57114 GHz	24.97 dBm	-5.03 dB

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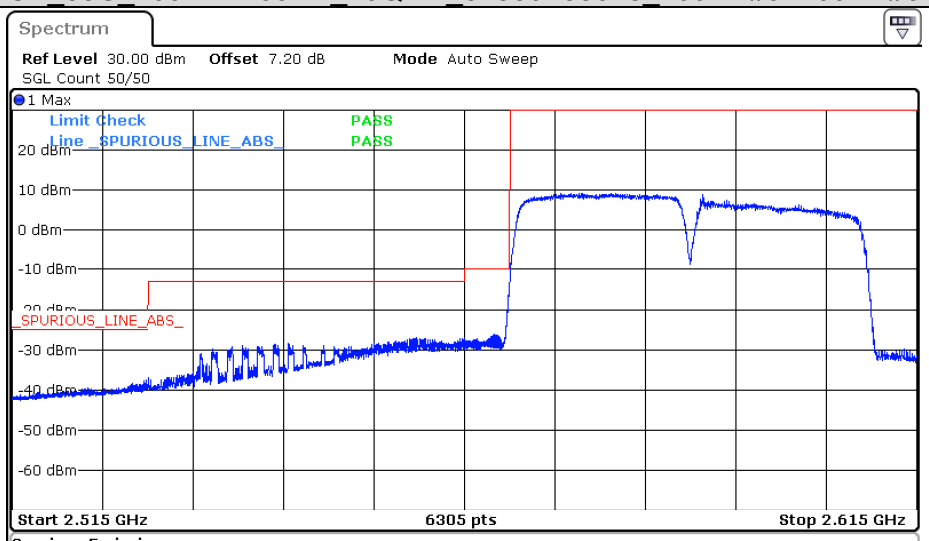

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.530 GHz	1.000 MHz	2.52983 GHz	-37.51 dBm	-12.51 dB
2.530 GHz	2.565 GHz	1.000 MHz	2.55962 GHz	-26.95 dBm	-13.95 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56832 GHz	-26.17 dBm	-16.17 dB
2.569 GHz	2.570 GHz	1.000 MHz	2.56999 GHz	-13.36 dBm	-3.36 dB
2.570 GHz	2.615 GHz	1.000 MHz	2.57795 GHz	9.21 dBm	-20.79 dB

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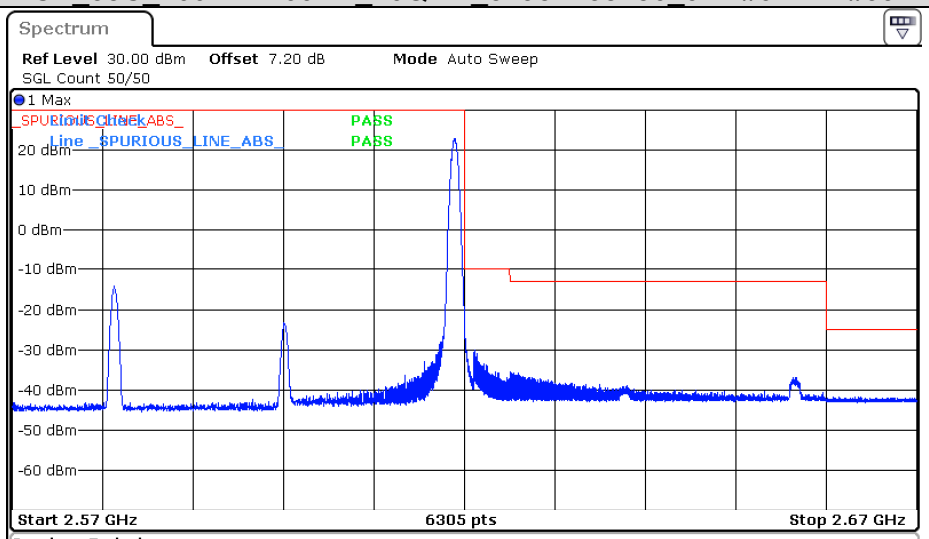

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	500.000 kHz	2.61891 GHz	22.89 dBm	-7.11 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62000 GHz	-24.67 dBm	-14.67 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62117 GHz	-30.03 dBm	-20.03 dB
2.625 GHz	2.660 GHz	1.000 MHz	2.62506 GHz	-35.46 dBm	-22.46 dB
2.660 GHz	2.670 GHz	1.000 MHz	2.66140 GHz	-41.83 dBm	-16.83 dB

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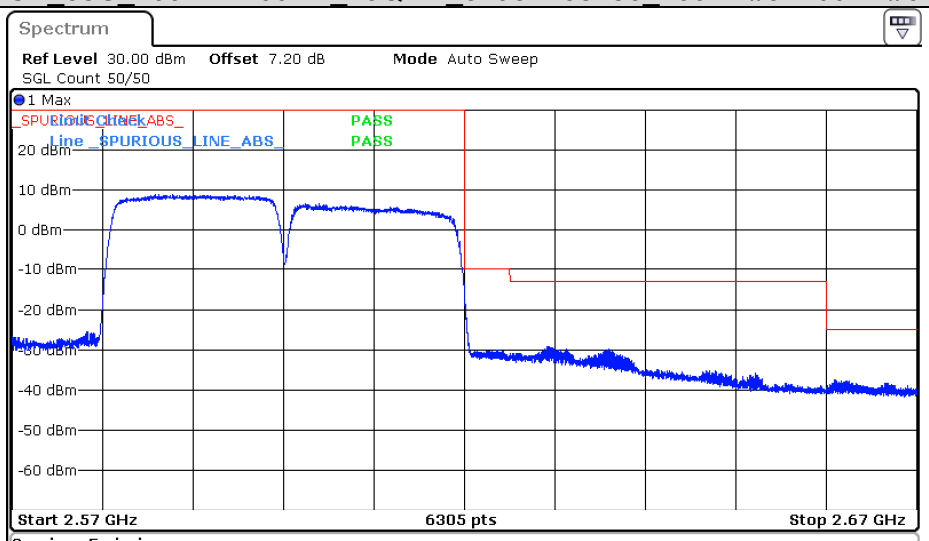

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	1.000 MHz	2.58770 GHz	8.84 dBm	-21.16 dB
2.620 GHz	2.621 GHz	1.000 MHz	2.62000 GHz	-17.00 dBm	-7.00 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62354 GHz	-30.20 dBm	-20.20 dB
2.625 GHz	2.660 GHz	1.000 MHz	2.62919 GHz	-29.23 dBm	-16.23 dB
2.660 GHz	2.670 GHz	1.000 MHz	2.66102 GHz	-37.52 dBm	-12.52 dB

Date: 24.DEC.2020 16:48:47

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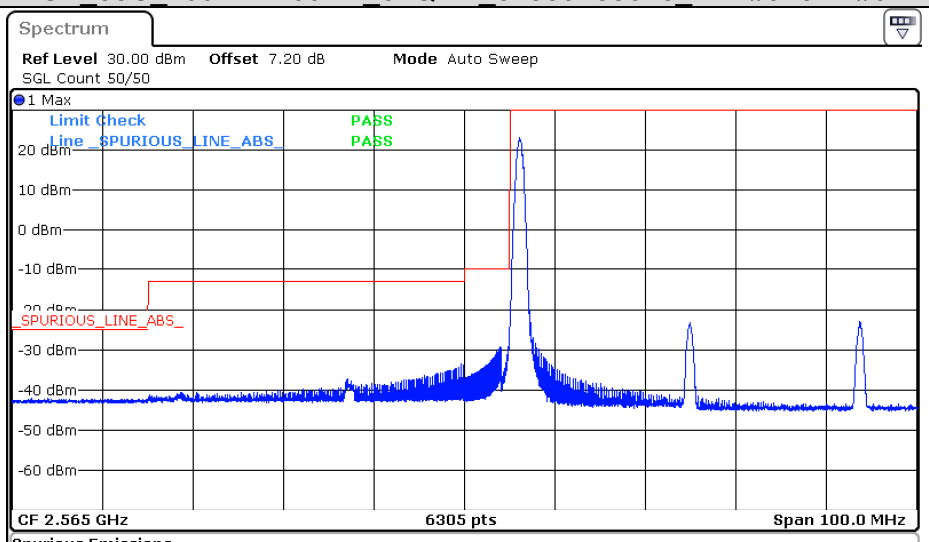

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.530 GHz	1.000 MHz	2.51711 GHz	-42.09 dBm	-17.09 dB
2.530 GHz	2.565 GHz	1.000 MHz	2.56461 GHz	-33.66 dBm	-20.66 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56897 GHz	-29.26 dBm	-19.26 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.57000 GHz	-24.52 dBm	-14.52 dB
2.570 GHz	2.615 GHz	500.000 kHz	2.57114 GHz	23.20 dBm	-6.80 dB

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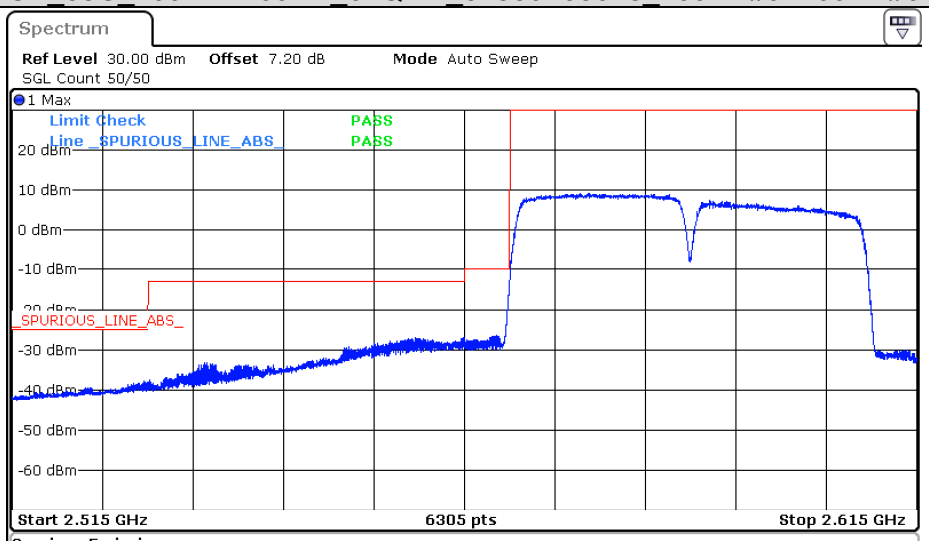

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.530 GHz	1.000 MHz	2.52954 GHz	-37.88 dBm	-12.88 dB
2.530 GHz	2.565 GHz	1.000 MHz	2.56482 GHz	-27.01 dBm	-14.01 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56851 GHz	-26.51 dBm	-16.51 dB
2.569 GHz	2.570 GHz	1.000 MHz	2.57000 GHz	-12.87 dBm	-2.87 dB
2.570 GHz	2.615 GHz	1.000 MHz	2.57775 GHz	9.22 dBm	-20.78 dB

Date: 24.DEC.2020 16:46:02

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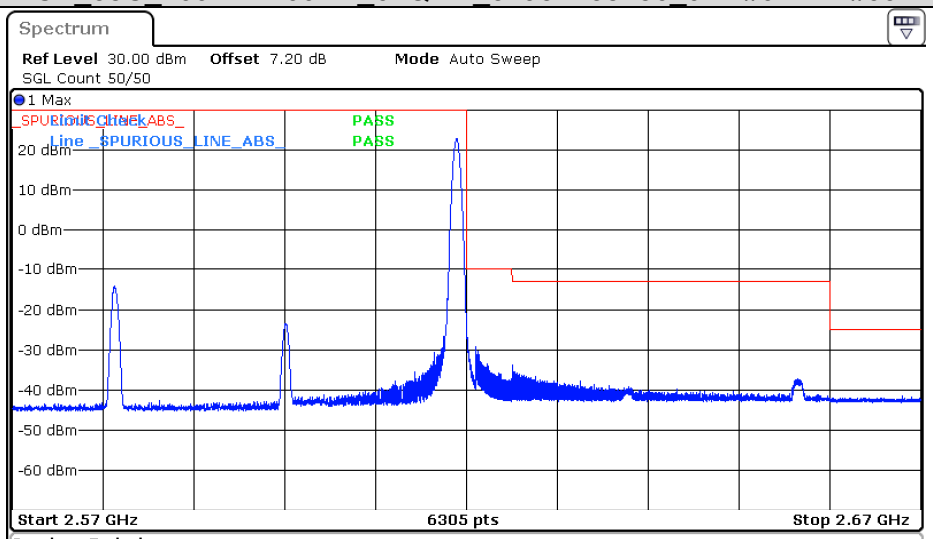

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	500.000 kHz	2.61894 GHz	22.94 dBm	-7.06 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62000 GHz	-24.77 dBm	-14.77 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62106 GHz	-29.34 dBm	-19.34 dB
2.625 GHz	2.660 GHz	1.000 MHz	2.62501 GHz	-33.92 dBm	-20.92 dB
2.660 GHz	2.670 GHz	1.000 MHz	2.66797 GHz	-41.51 dBm	-16.51 dB

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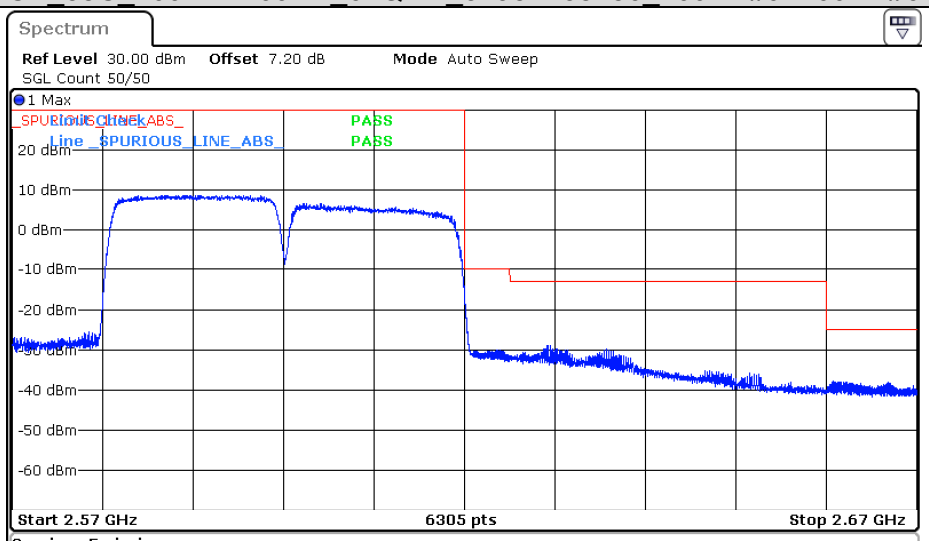

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	1.000 MHz	2.58813 GHz	8.68 dBm	-21.32 dB
2.620 GHz	2.621 GHz	1.000 MHz	2.62001 GHz	-17.11 dBm	-7.11 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62390 GHz	-30.00 dBm	-20.00 dB
2.625 GHz	2.660 GHz	1.000 MHz	2.62943 GHz	-29.00 dBm	-16.00 dB
2.660 GHz	2.670 GHz	1.000 MHz	2.66078 GHz	-37.83 dBm	-12.83 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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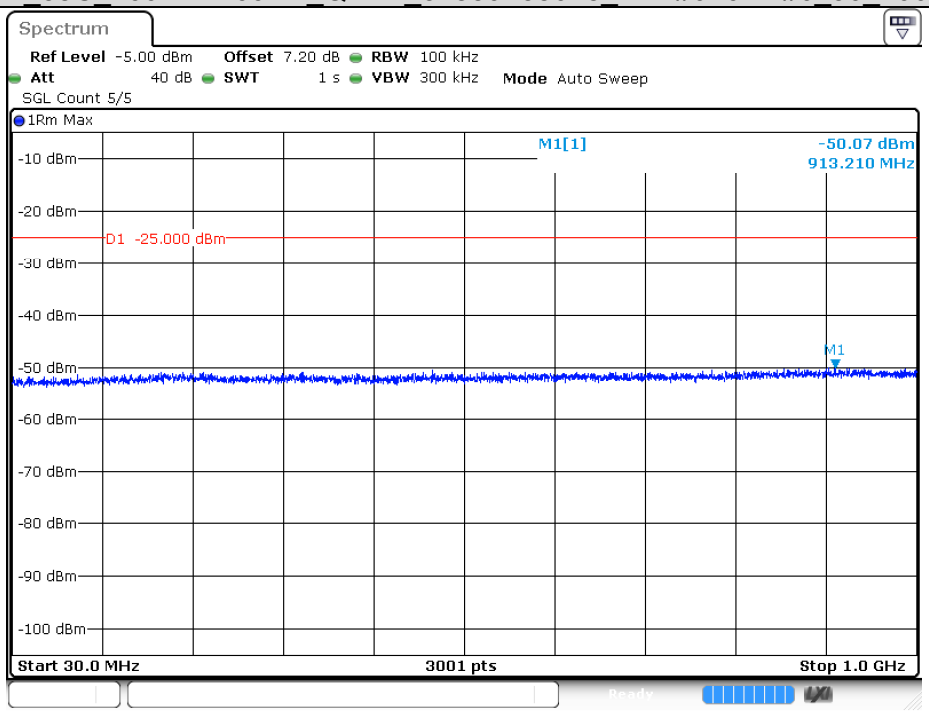

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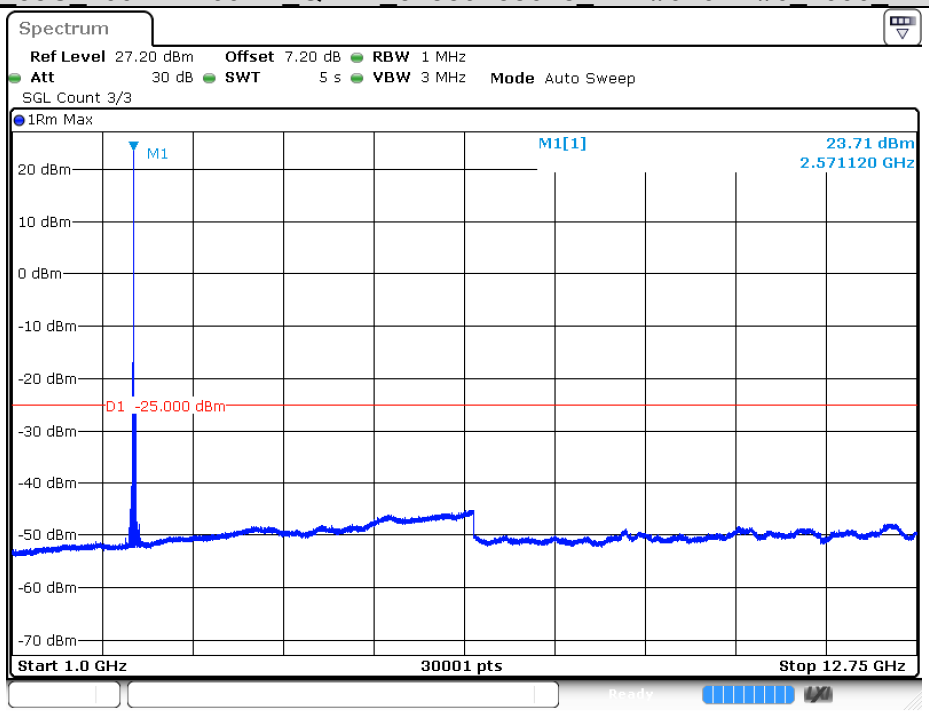

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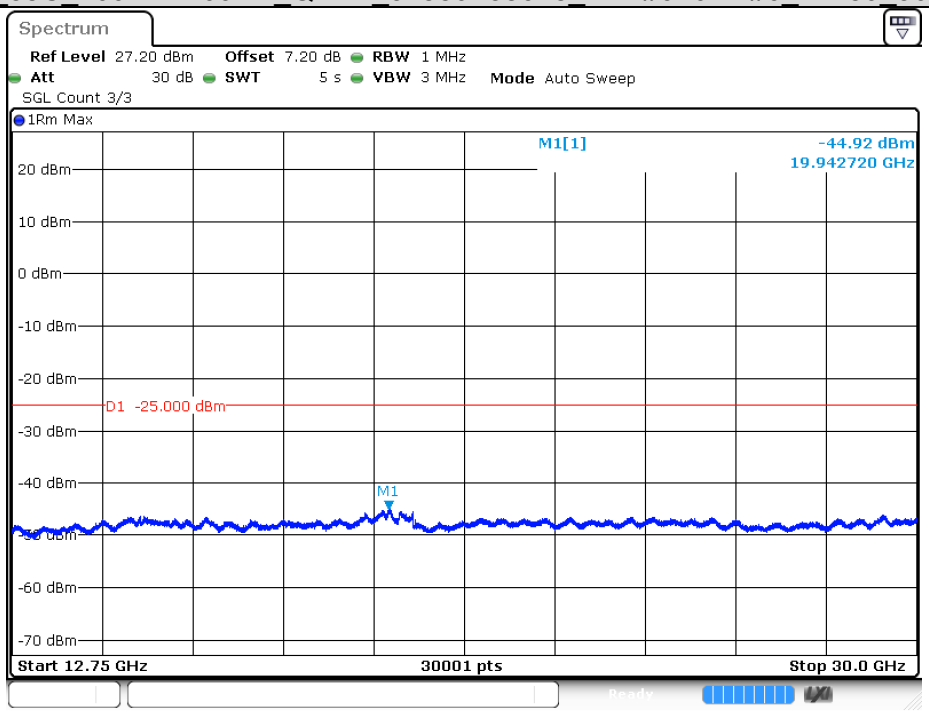

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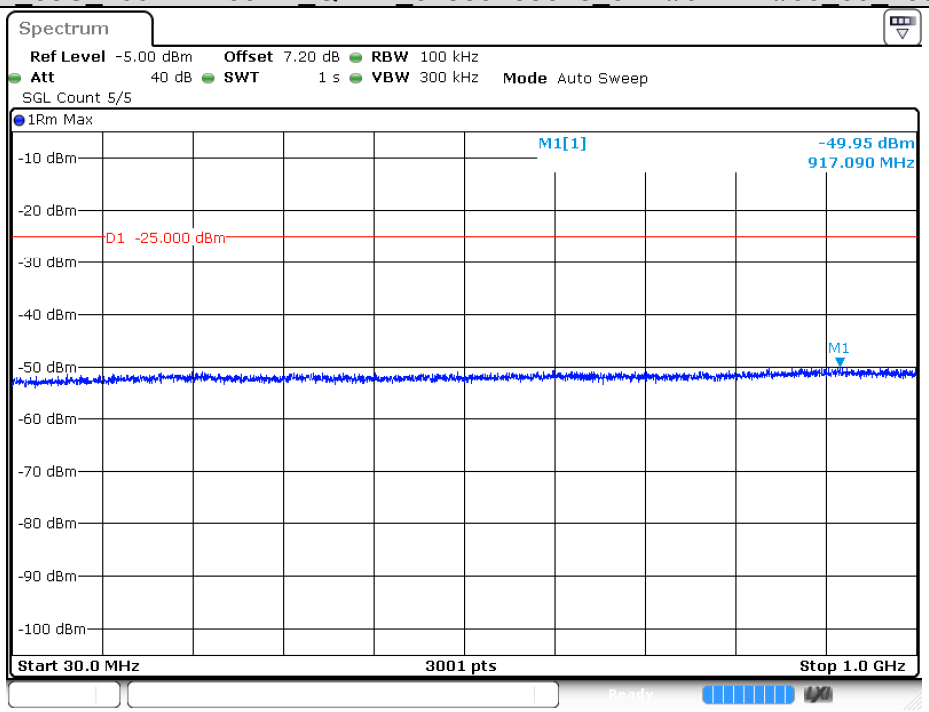

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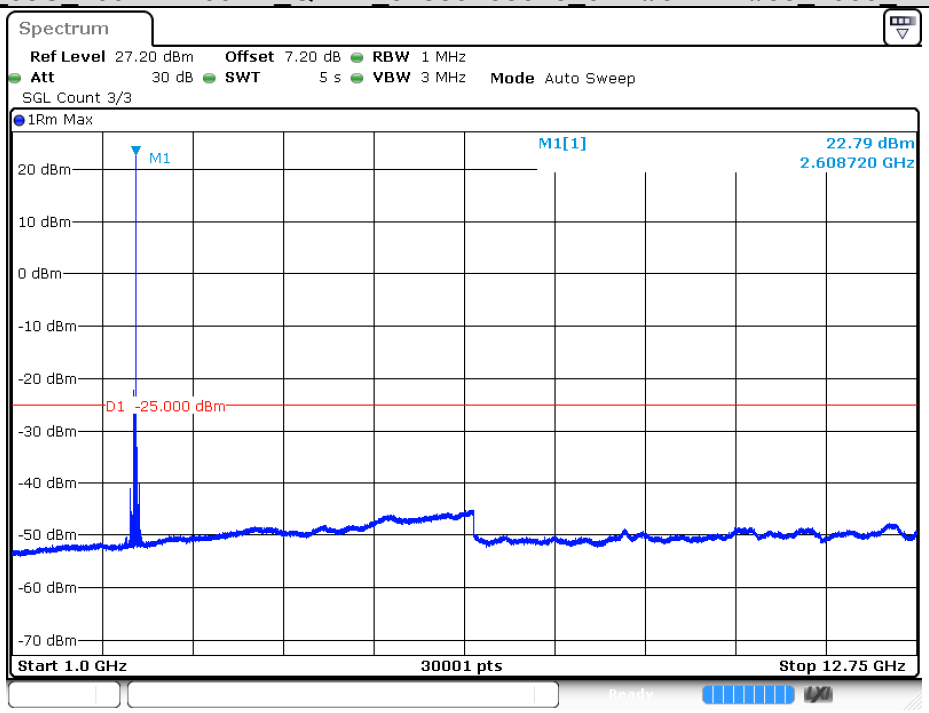

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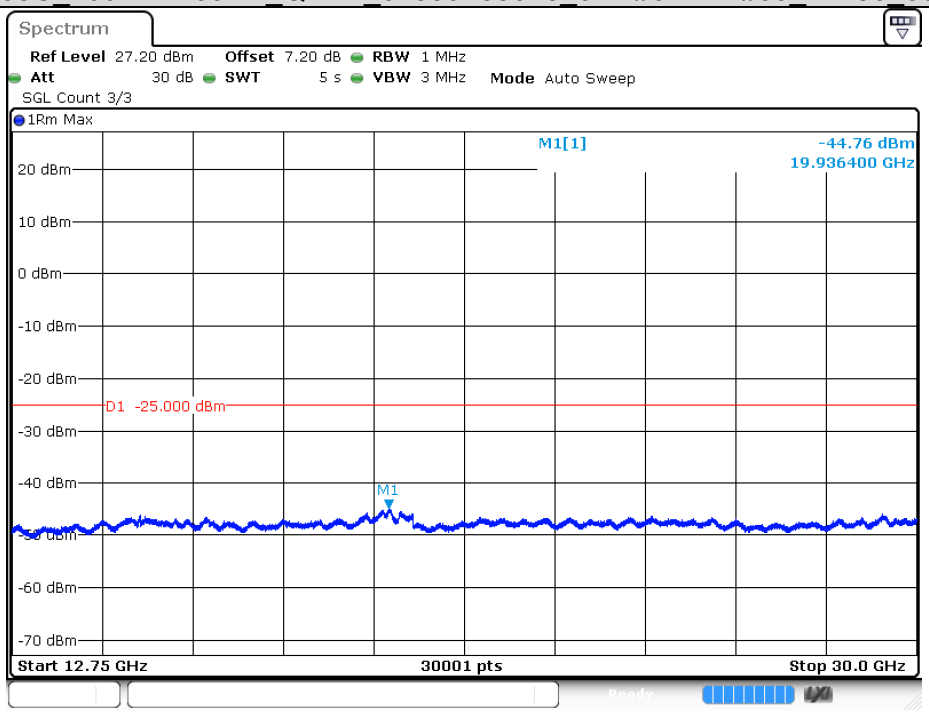

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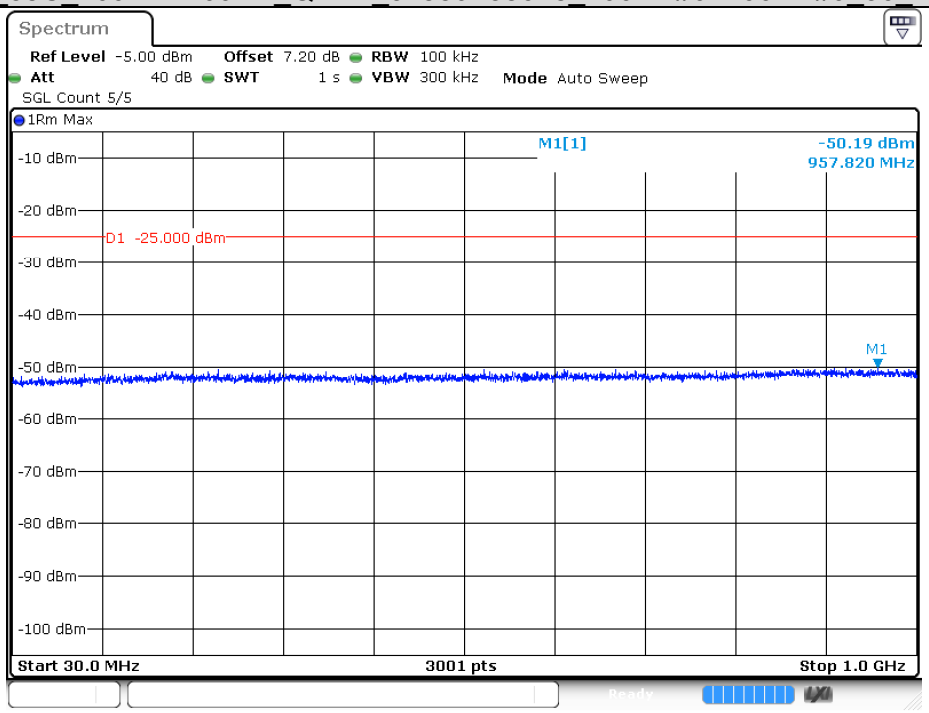

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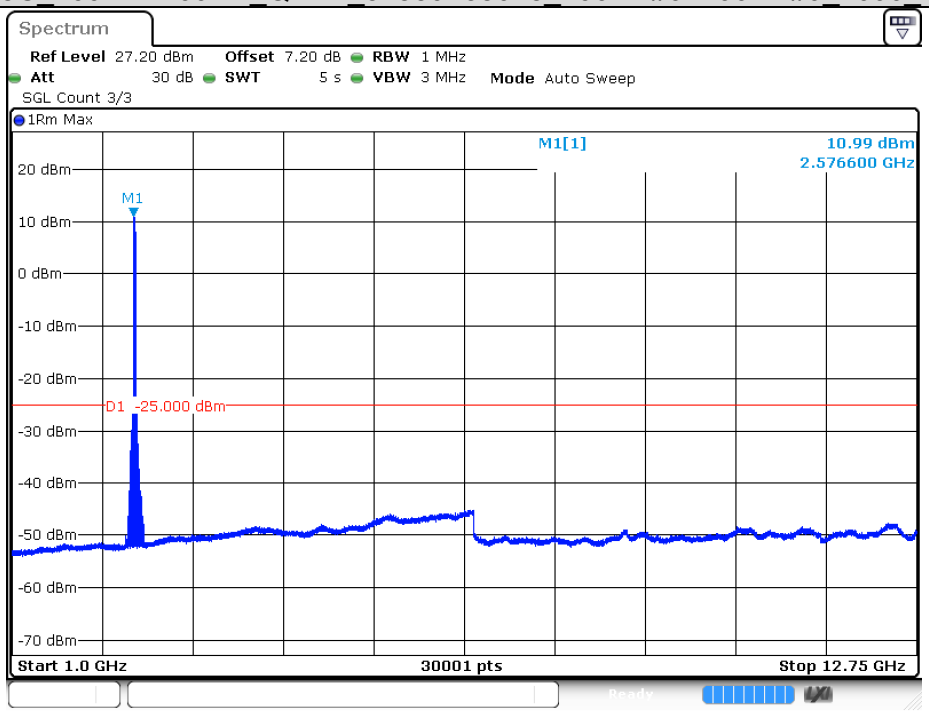

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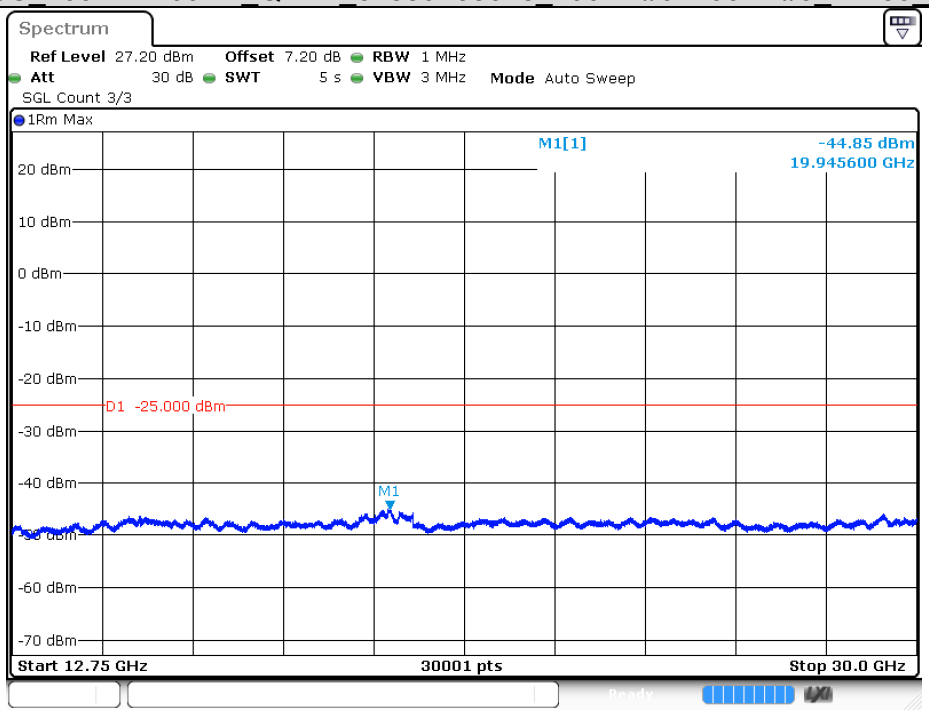

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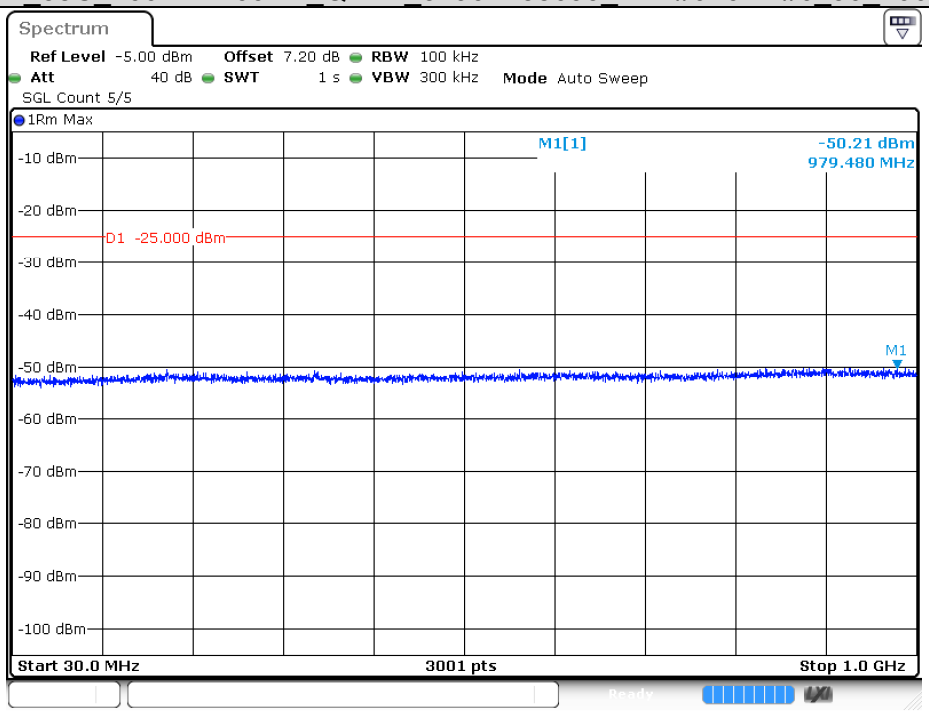

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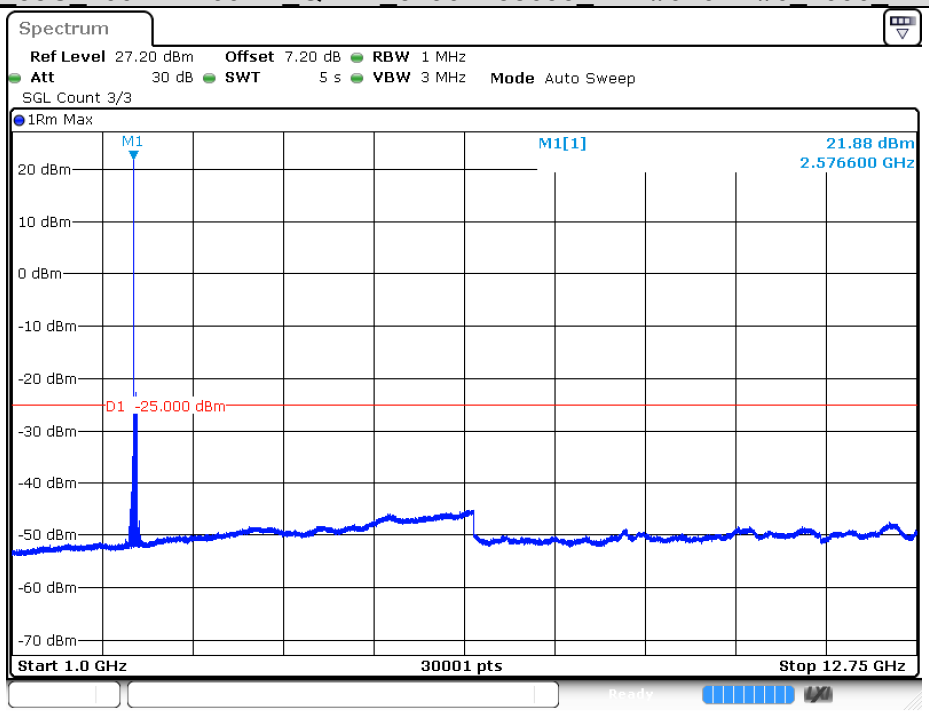

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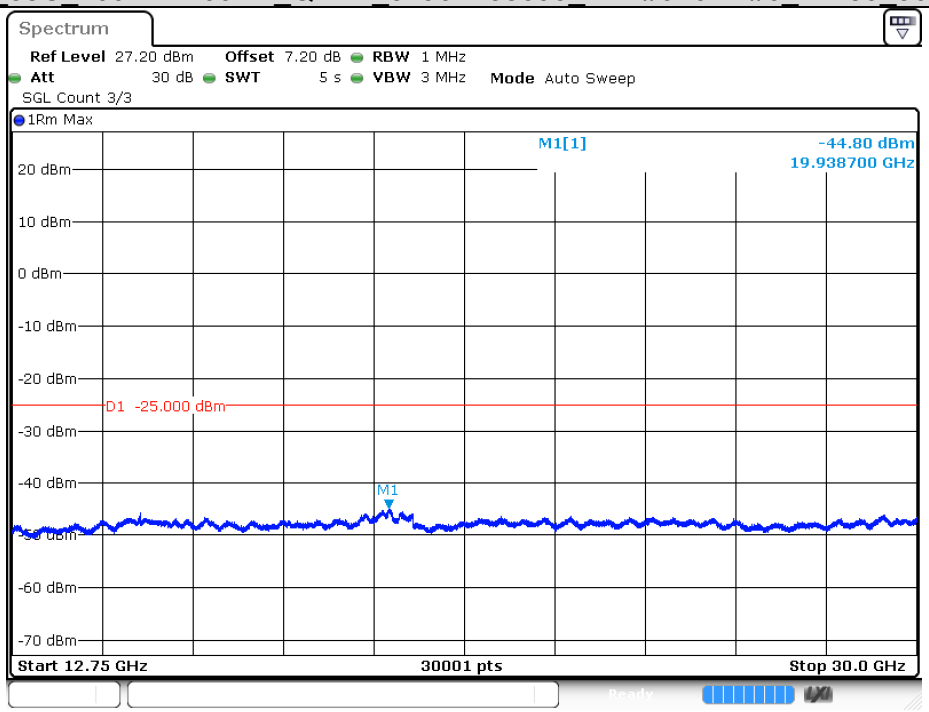

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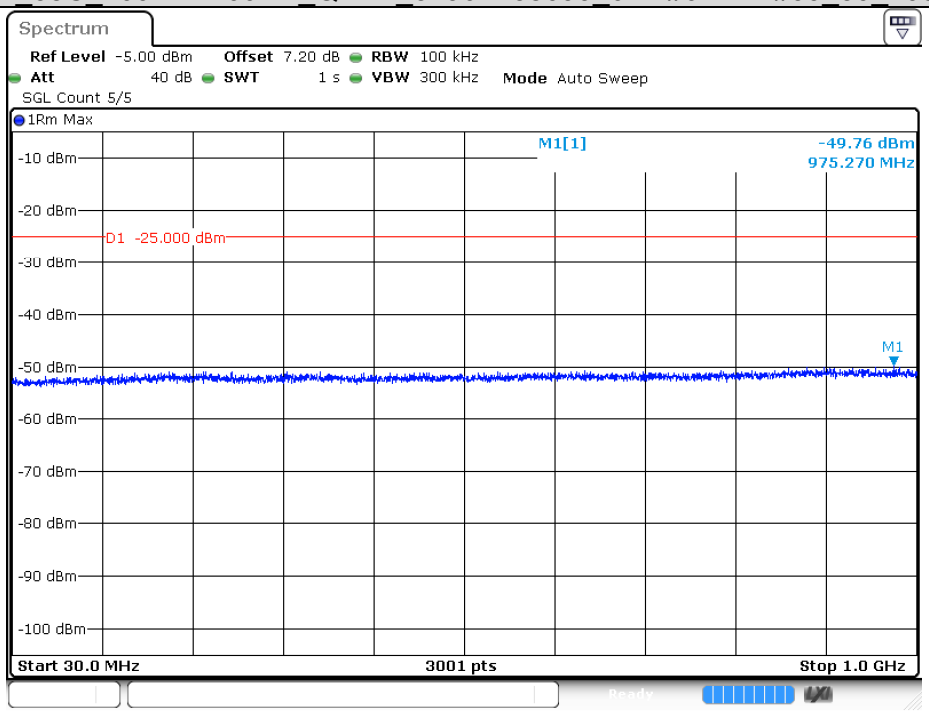

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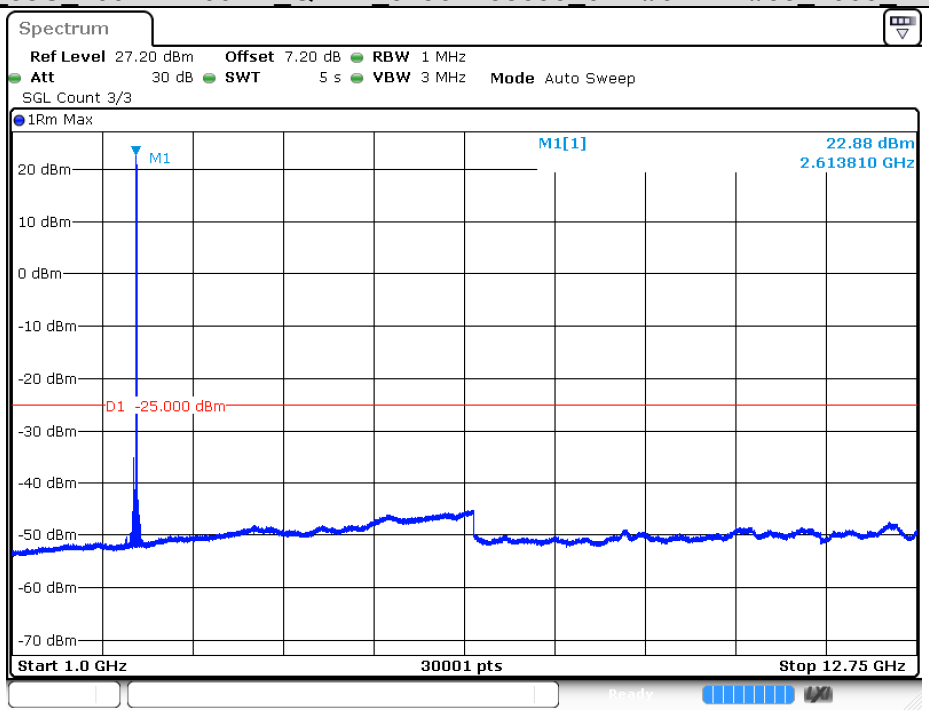

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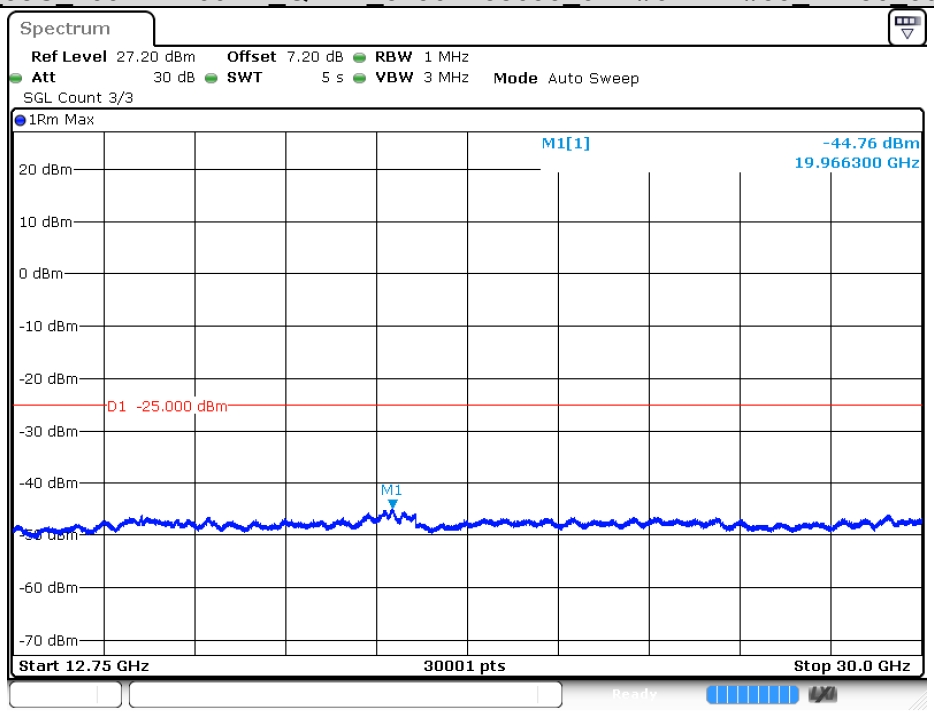

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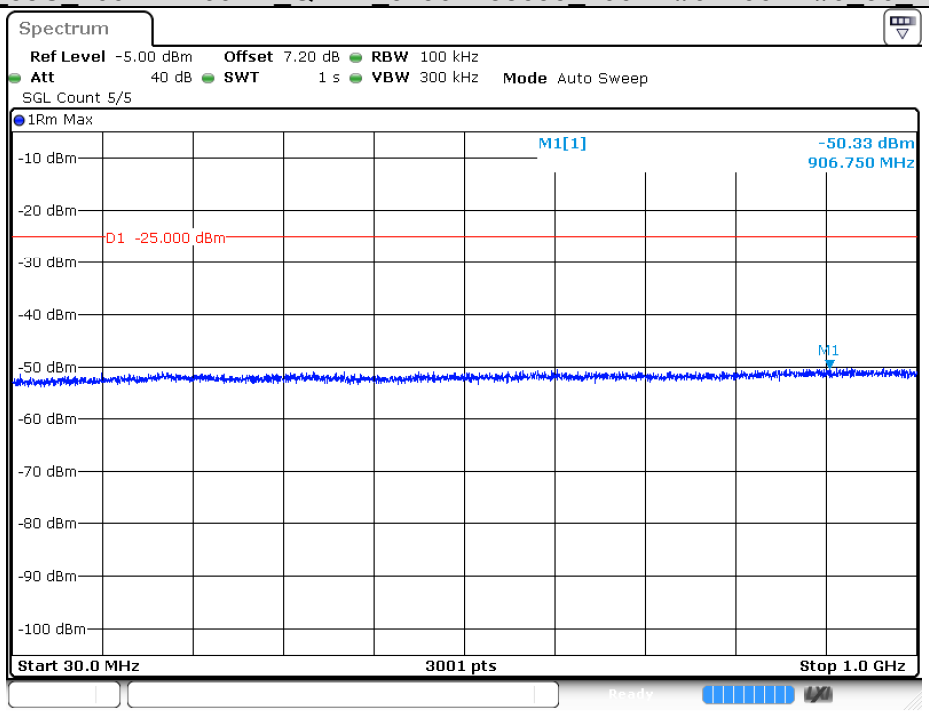

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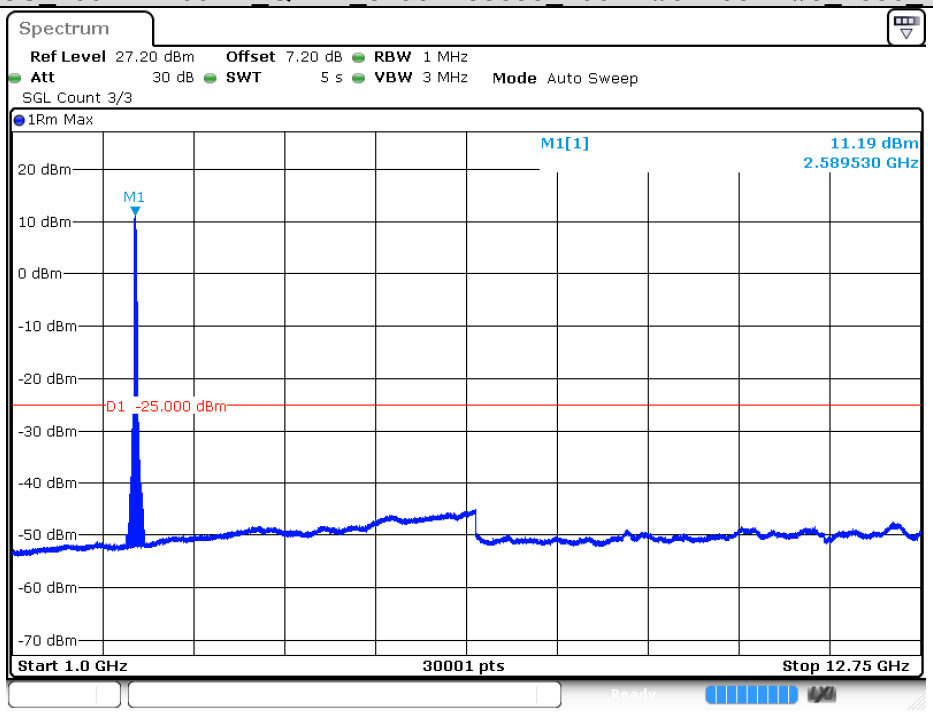

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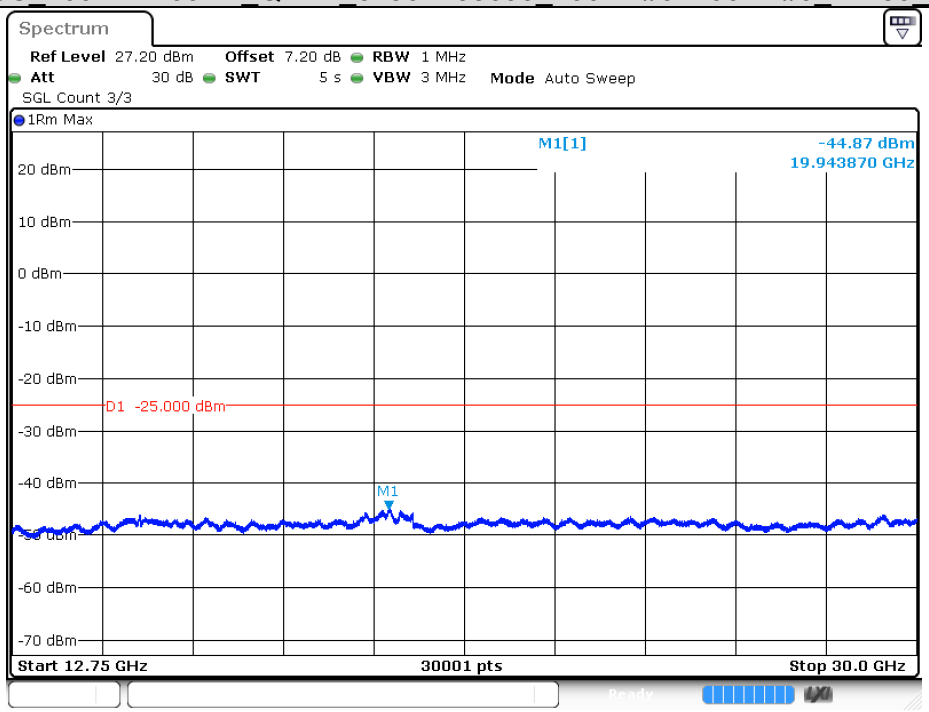

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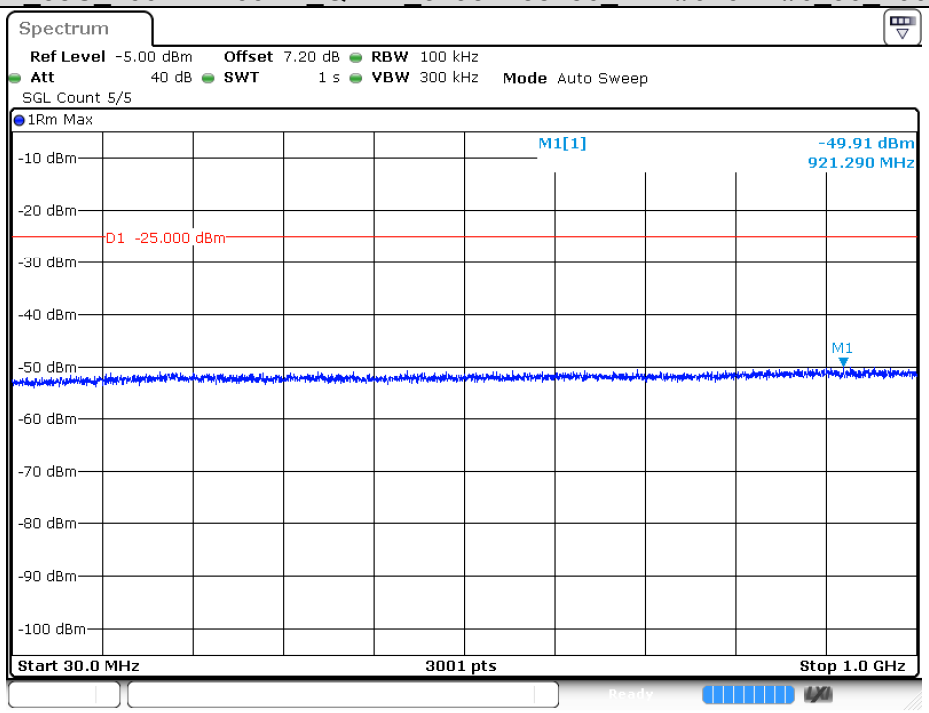

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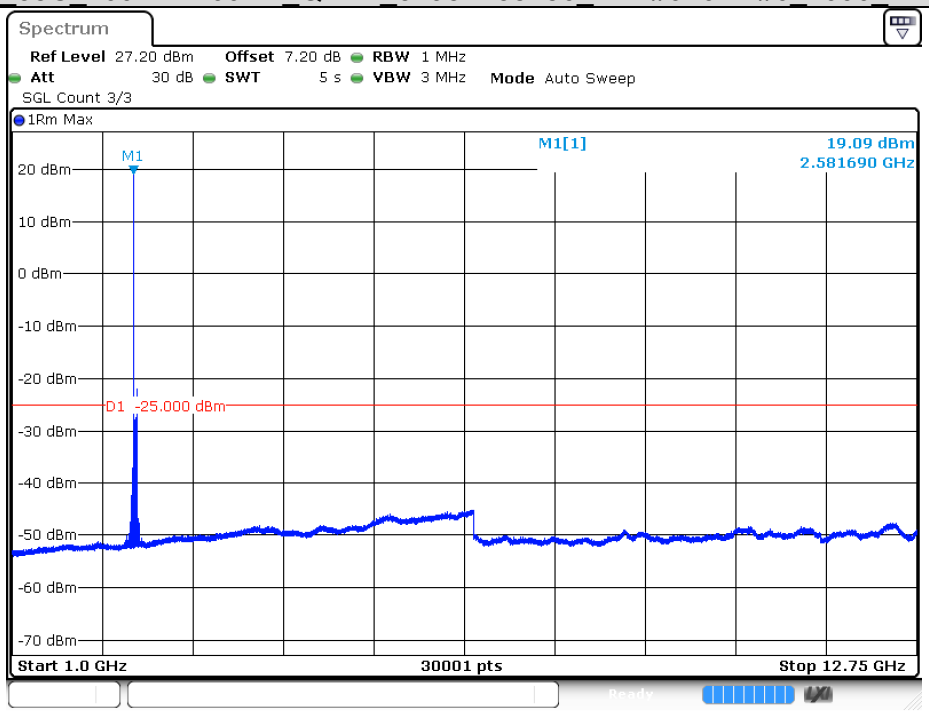

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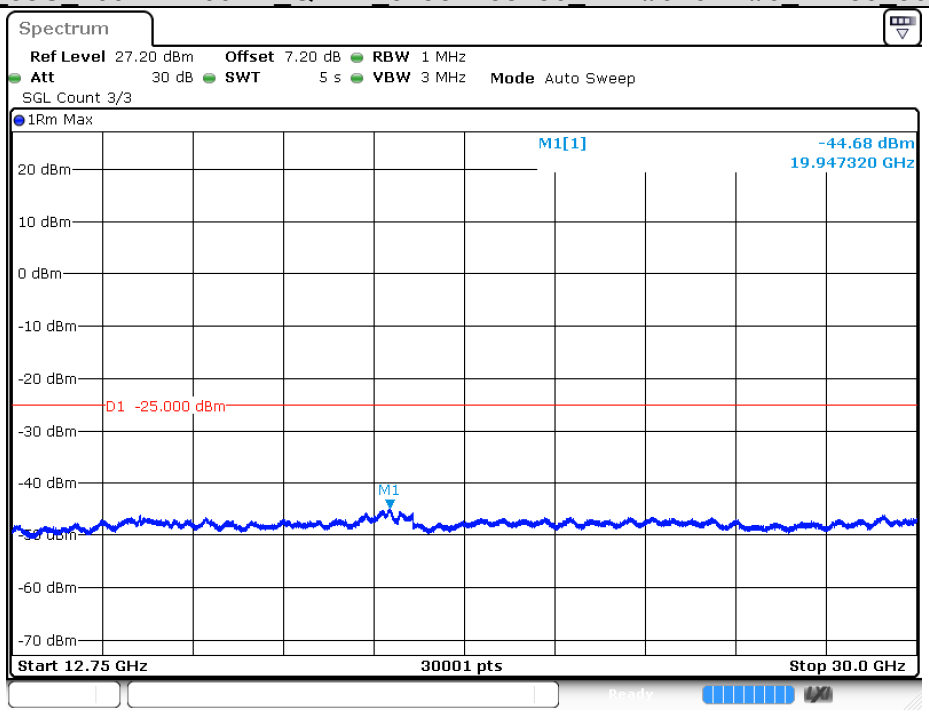

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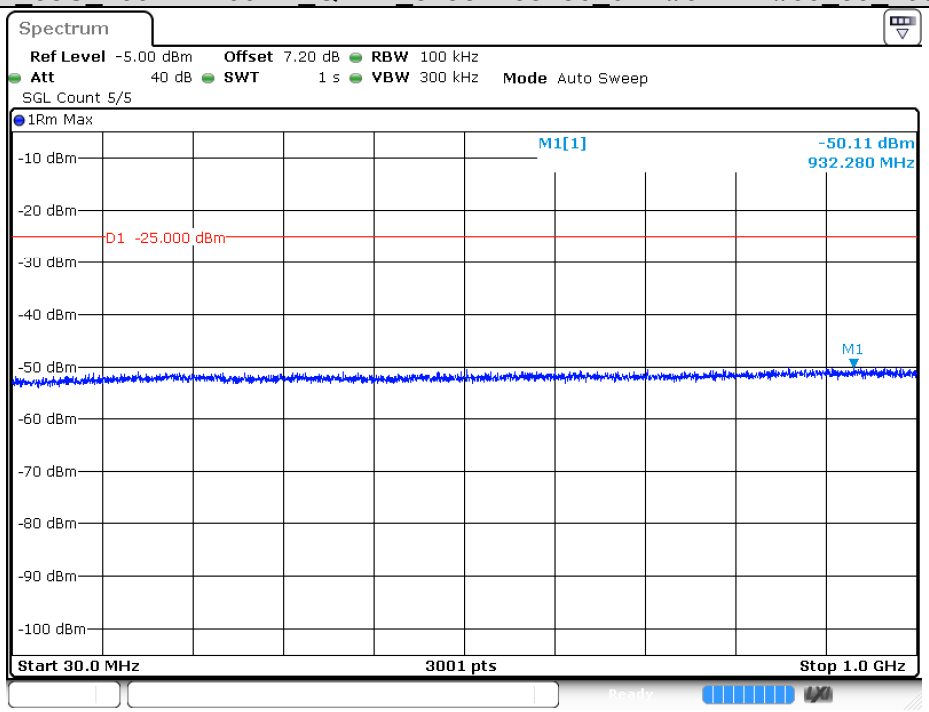

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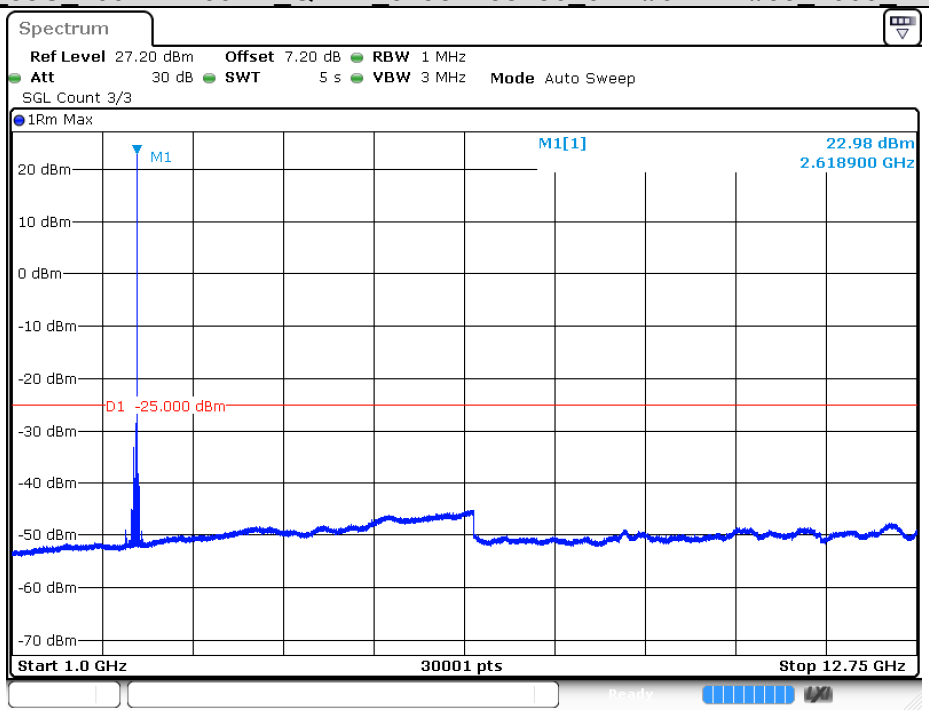

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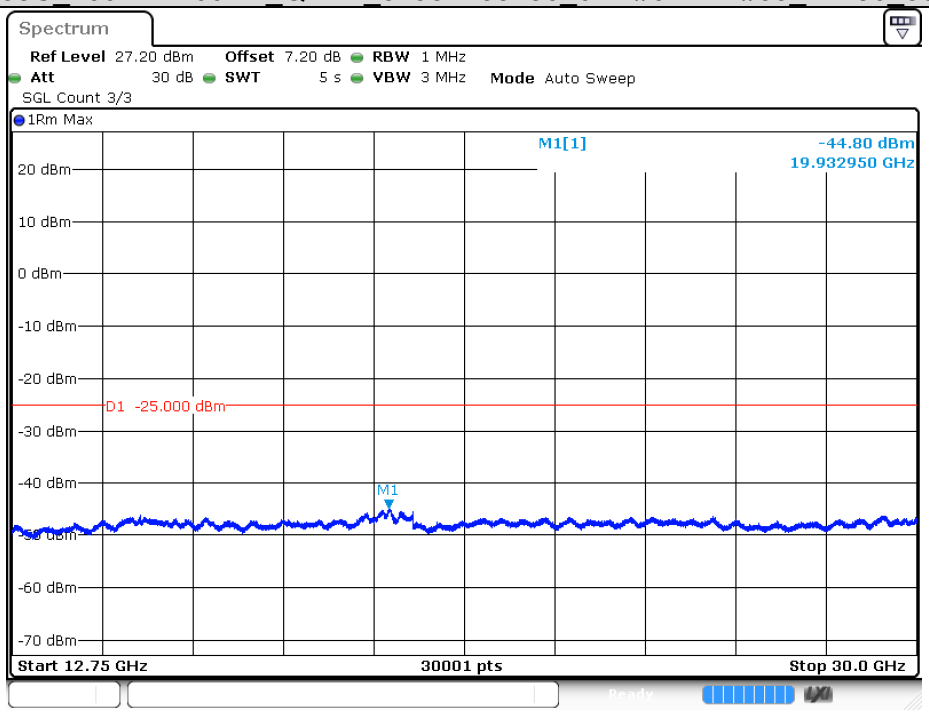

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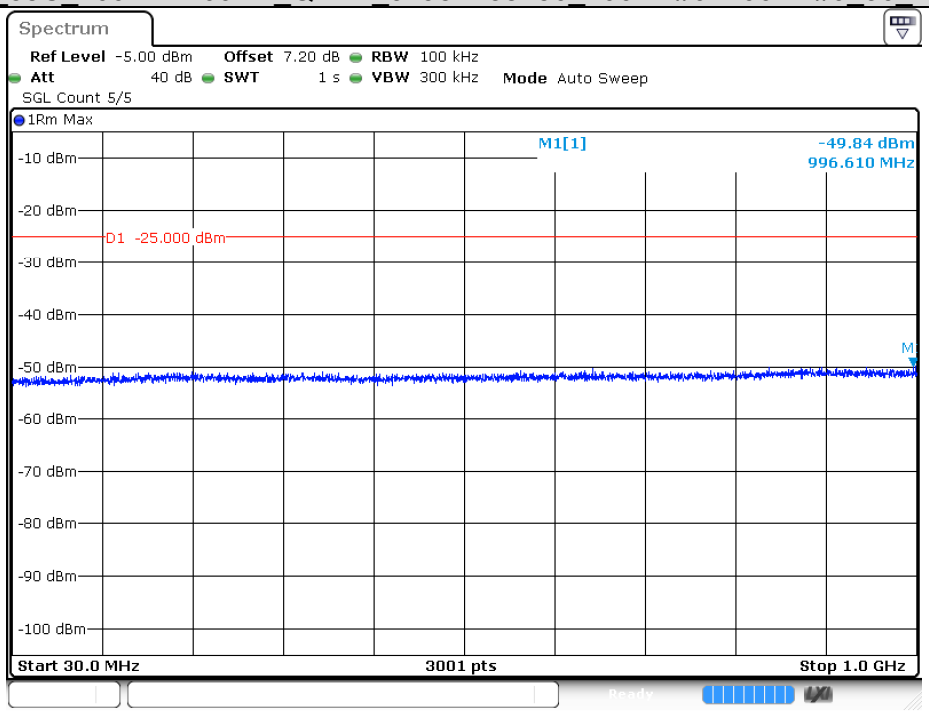

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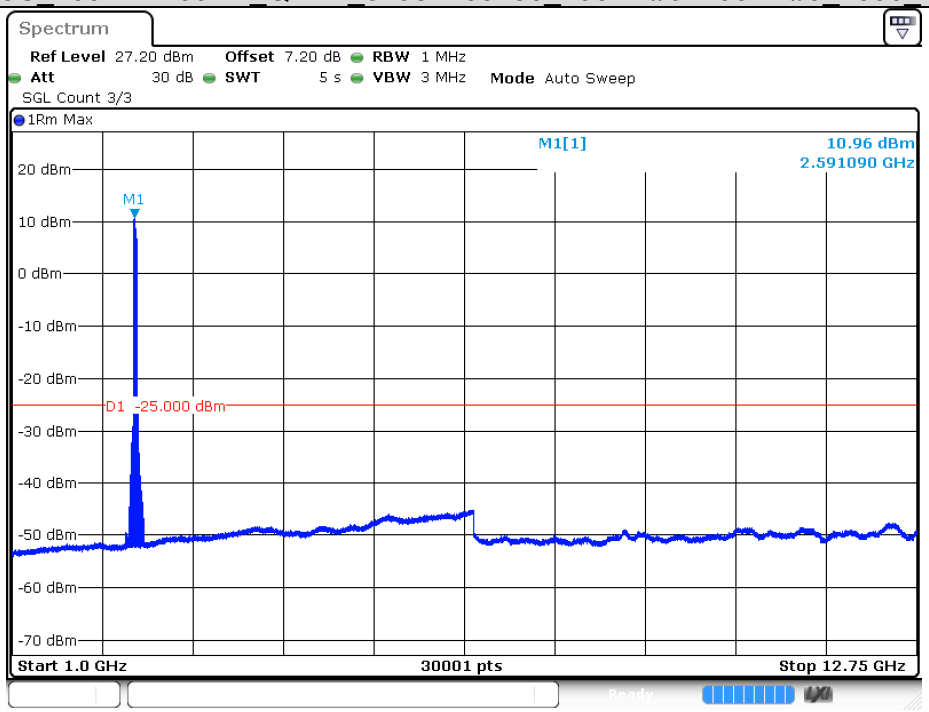

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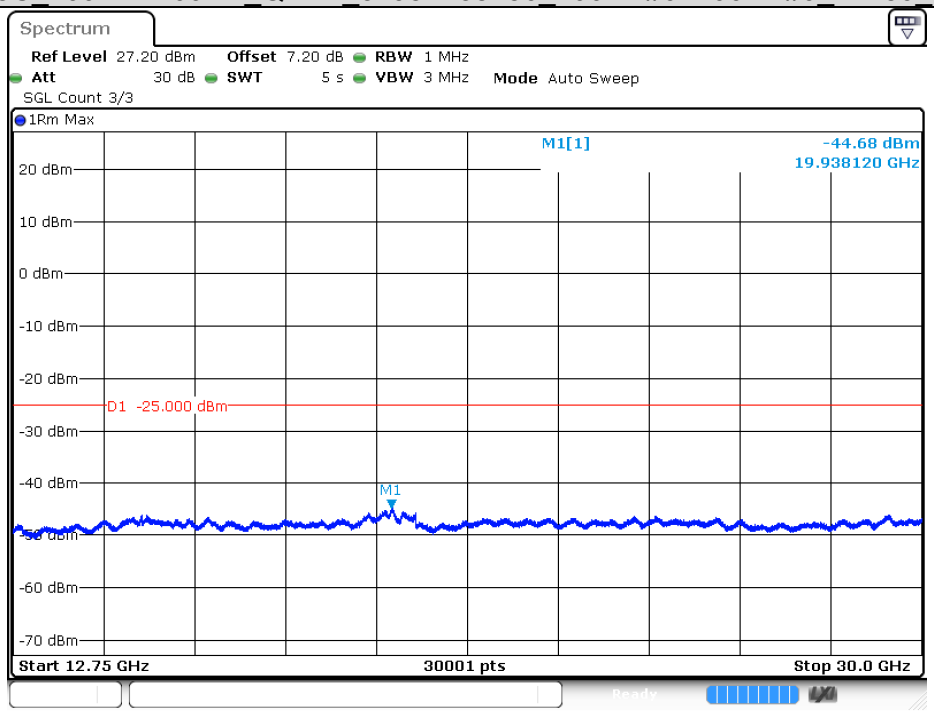

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7 Field Strength of Spurious Radiation

7.1 For LTE UL CA

7.2 Test Band = LTE Band CA_38C (MAIN)

7.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.450000	-80.02	-25.00	55.02	Vertical
125.000000	-83.15	-25.00	58.15	Vertical
340.850000	-83.94	-25.00	58.94	Vertical
4426.425000	-65.09	-25.00	40.09	Vertical
7713.150000	-48.53	-25.00	23.53	Vertical
11260.525000	-61.36	-25.00	36.36	Vertical
62.200000	-75.61	-25.00	50.61	Horizontal
159.300000	-84.51	-25.00	59.51	Horizontal
318.650000	-84.17	-25.00	59.17	Horizontal
4298.050000	-64.72	-25.00	39.72	Horizontal
7713.150000	-50.41	-25.00	25.41	Horizontal
10624.825000	-61.24	-25.00	36.24	Horizontal

7.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.000000	-79.53	-25.00	54.53	Vertical
125.000000	-84.22	-25.00	59.22	Vertical
320.100000	-82.97	-25.00	57.97	Vertical
4352.000000	-65.45	-25.00	40.45	Vertical
7728.425000	-53.34	-25.00	28.34	Vertical
10647.250000	-60.87	-25.00	35.87	Vertical
62.350000	-75.38	-25.00	50.38	Horizontal
159.250000	-82.31	-25.00	57.31	Horizontal
486.987500	-83.31	-25.00	58.31	Horizontal
4213.550000	-65.65	-25.00	40.65	Horizontal
7728.425000	-56.47	-25.00	31.47	Horizontal
10661.550000	-61.07	-25.00	36.07	Horizontal

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7.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
55.350000	-79.93	-25.00	54.93	Vertical
125.000000	-83.98	-25.00	58.98	Vertical
316.750000	-83.44	-25.00	58.44	Vertical
4310.075000	-65.40	-25.00	40.40	Vertical
7743.700000	-48.31	-25.00	23.31	Vertical
10325.175000	-59.02	-25.00	34.02	Vertical
56.350000	-75.95	-25.00	50.95	Horizontal
159.350000	-83.33	-25.00	58.33	Horizontal
470.350000	-83.61	-25.00	58.61	Horizontal
4429.350000	-64.92	-25.00	39.92	Horizontal
7744.025000	-51.09	-25.00	26.09	Horizontal
10579.975000	-60.89	-25.00	35.89	Horizontal

7.3 Test Band = LTE Band CA_38C (DIV)

7.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
54.950000	-80.58	-25.00	55.58	Vertical
124.950000	-84.18	-25.00	59.18	Vertical
327.800000	-84.38	-25.00	59.38	Vertical
4824.875000	-65.72	-25.00	40.72	Vertical
7713.150000	-46.13	-25.00	21.13	Vertical
10284.225000	-57.59	-25.00	32.59	Vertical
62.900000	-75.81	-25.00	50.81	Horizontal
159.300000	-79.75	-25.00	54.75	Horizontal
315.250000	-84.94	-25.00	59.94	Horizontal
5142.075000	-64.20	-25.00	39.20	Horizontal
7713.475000	-50.56	-25.00	25.56	Horizontal
10284.550000	-58.36	-25.00	33.36	Horizontal

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7.1.4 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
62.250000	-75.88	-25.00	50.88	Vertical
159.250000	-79.56	-25.00	54.56	Vertical
305.800000	-83.17	-25.00	58.17	Vertical
4762.800000	-65.72	-25.00	40.72	Vertical
7728.425000	-49.22	-25.00	24.22	Vertical
10304.700000	-58.18	-25.00	33.18	Vertical
65.300000	-80.61	-25.00	55.61	Horizontal
124.950000	-83.85	-25.00	58.85	Horizontal
319.750000	-84.30	-25.00	59.30	Horizontal
4968.200000	-65.04	-25.00	40.04	Horizontal
7728.425000	-44.76	-25.00	19.76	Horizontal
10305.025000	-55.18	-25.00	30.18	Horizontal

7.1.5 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.150000	-80.15	-25.00	55.15	Vertical
125.000000	-83.80	-25.00	58.80	Vertical
325.700000	-84.12	-25.00	59.12	Vertical
5162.225000	-63.03	-25.00	38.03	Vertical
7744.025000	-48.40	-25.00	23.40	Vertical
10325.175000	-56.09	-25.00	31.09	Vertical
62.550000	-75.55	-25.00	50.55	Horizontal
159.300000	-79.23	-25.00	54.23	Horizontal
478.966667	-83.68	-25.00	58.68	Horizontal
5162.875000	-61.76	-25.00	36.76	Horizontal
7744.025000	-47.75	-25.00	22.75	Horizontal
10325.175000	-56.49	-25.00	31.49	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 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

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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