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(CONFIG 0)

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	24.6	24.4	33.00	PASS
CA_38C	75RB+75RB	37825+37975	16RB#0	0RB#0	QPSK	24.44	24.24	33.00	PASS
CA_38C	75RB+75RB	37925+38075	1RB#0	0RB#0	QPSK	24.42	24.22	33.00	PASS
CA_38C	75RB+75RB	37925+38075	16RB#0	0RB#0	QPSK	24.43	24.23	33.00	PASS
CA_38C	75RB+75RB	38025+38175	1RB#0	0RB#0	QPSK	24.44	24.24	33.00	PASS
CA_38C	75RB+75RB	38025+38175	16RB#0	0RB#0	QPSK	24.36	24.16	33.00	PASS
CA_38C	100RB+100RB	37850+38048	1RB#0	0RB#0	QPSK	24.32	24.12	33.00	PASS
CA_38C	100RB+100RB	37850+38048	18RB#0	0RB#0	QPSK	24.4	24.2	33.00	PASS
CA_38C	100RB+100RB	37901+38099	1RB#0	0RB#0	QPSK	24.44	24.24	33.00	PASS
CA_38C	100RB+100RB	37901+38099	18RB#0	0RB#0	QPSK	24.38	24.18	33.00	PASS
CA_38C	100RB+100RB	37952+38150	1RB#0	0RB#0	QPSK	24.45	24.25	33.00	PASS
CA_38C	100RB+100RB	37952+38150	18RB#0	0RB#0	QPSK	24.41	24.21	33.00	PASS
CA_38C	75RB+75RB	37825+37975	1RB#0	0RB#0	16QAM	23.76	23.56	33.00	PASS
CA_38C	75RB+75RB	37825+37975	16RB#0	0RB#0	16QAM	23.41	23.21	33.00	PASS
CA_38C	75RB+75RB	37925+38075	1RB#0	0RB#0	16QAM	23.74	23.54	33.00	PASS
CA_38C	75RB+75RB	37925+38075	16RB#0	0RB#0	16QAM	23.42	23.22	33.00	PASS
CA_38C	75RB+75RB	38025+38175	1RB#0	0RB#0	16QAM	23.78	23.58	33.00	PASS
CA_38C	75RB+75RB	38025+38175	16RB#0	0RB#0	16QAM	23.38	23.18	33.00	PASS
CA_38C	100RB+100RB	37850+38048	1RB#0	0RB#0	16QAM	23.58	23.38	33.00	PASS
CA_38C	100RB+100RB	37850+38048	18RB#0	0RB#0	16QAM	23.28	23.08	33.00	PASS
CA_38C	100RB+100RB	37901+38099	1RB#0	0RB#0	16QAM	23.59	23.39	33.00	PASS
CA_38C	100RB+100RB	37901+38099	18RB#0	0RB#0	16QAM	23.27	23.07	33.00	PASS
CA_38C	100RB+100RB	37952+38150	1RB#0	0RB#0	16QAM	23.61	23.41	33.00	PASS
CA_38C	100RB+100RB	37952+38150	18RB#0	0RB#0	16QAM	23.3	23.1	33.00	PASS
CA_38C	75RB+75RB	37825+37975	1RB#0	0RB#0	64QAM	22.69	22.49	33.00	PASS
CA_38C	75RB+75RB	37825+37975	16RB#0	0RB#0	64QAM	22.35	22.15	33.00	PASS
CA_38C	75RB+75RB	37925+38075	1RB#0	0RB#0	64QAM	22.65	22.45	33.00	PASS
CA_38C	75RB+75RB	37925+38075	16RB#0	0RB#0	64QAM	22.27	22.07	33.00	PASS
CA_38C	75RB+75RB	38025+38175	1RB#0	0RB#0	64QAM	22.74	22.54	33.00	PASS
CA_38C	75RB+75RB	38025+38175	16RB#0	0RB#0	64QAM	22.32	22.12	33.00	PASS
CA_38C	100RB+100RB	37850+38048	1RB#0	0RB#0	64QAM	22.57	22.37	33.00	PASS
CA_38C	100RB+100RB	37850+38048	18RB#0	0RB#0	64QAM	22.38	22.18	33.00	PASS
CA_38C	100RB+100RB	37901+38099	1RB#0	0RB#0	64QAM	22.55	22.35	33.00	PASS
CA_38C	100RB+100RB	37901+38099	18RB#0	0RB#0	64QAM	22.38	22.18	33.00	PASS
CA_38C	100RB+100RB	37952+38150	1RB#0	0RB#0	64QAM	22.59	22.39	33.00	PASS
CA_38C	100RB+100RB	37952+38150	18RB#0	0RB#0	64QAM	22.38	22.18	33.00	PASS

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1.2 Max Power Test Result for LTE Band CA_38C(CONFIG 1)

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	21.20	21.3	33.00	PASS
CA_38C	75RB+75RB	37825+37975	16RB#0	0RB#0	QPSK	21.16	21.26	33.00	PASS
CA_38C	75RB+75RB	37925+38075	1RB#0	0RB#0	QPSK	21.07	21.17	33.00	PASS
CA_38C	75RB+75RB	37925+38075	16RB#0	0RB#0	QPSK	21.09	21.19	33.00	PASS
CA_38C	75RB+75RB	38025+38175	1RB#0	0RB#0	QPSK	21.19	21.29	33.00	PASS
CA_38C	75RB+75RB	38025+38175	16RB#0	0RB#0	QPSK	21.13	21.23	33.00	PASS
CA_38C	100RB+100RB	37850+38048	1RB#0	0RB#0	QPSK	21.15	21.25	33.00	PASS
CA_38C	100RB+100RB	37850+38048	18RB#0	0RB#0	QPSK	21.24	21.34	33.00	PASS
CA_38C	100RB+100RB	37901+38099	1RB#0	0RB#0	QPSK	21.25	21.35	33.00	PASS
CA_38C	100RB+100RB	37901+38099	18RB#0	0RB#0	QPSK	21.08	21.18	33.00	PASS
CA_38C	100RB+100RB	37952+38150	1RB#0	0RB#0	QPSK	21.19	21.29	33.00	PASS
CA_38C	100RB+100RB	37952+38150	18RB#0	0RB#0	QPSK	21.18	21.28	33.00	PASS
CA_38C	75RB+75RB	37825+37975	1RB#0	0RB#0	16QAM	20.13	20.23	33.00	PASS
CA_38C	75RB+75RB	37825+37975	16RB#0	0RB#0	16QAM	20.12	20.22	33.00	PASS
CA_38C	75RB+75RB	37925+38075	1RB#0	0RB#0	16QAM	20.37	20.47	33.00	PASS
CA_38C	75RB+75RB	37925+38075	16RB#0	0RB#0	16QAM	20.22	20.32	33.00	PASS
CA_38C	75RB+75RB	38025+38175	1RB#0	0RB#0	16QAM	20.16	20.26	33.00	PASS
CA_38C	75RB+75RB	38025+38175	16RB#0	0RB#0	16QAM	20.06	20.16	33.00	PASS
CA_38C	100RB+100RB	37850+38048	1RB#0	0RB#0	16QAM	20.02	20.12	33.00	PASS
CA_38C	100RB+100RB	37850+38048	18RB#0	0RB#0	16QAM	20.28	20.38	33.00	PASS
CA_38C	100RB+100RB	37901+38099	1RB#0	0RB#0	16QAM	20.08	20.18	33.00	PASS
CA_38C	100RB+100RB	37901+38099	18RB#0	0RB#0	16QAM	20.11	20.21	33.00	PASS
CA_38C	100RB+100RB	37952+38150	1RB#0	0RB#0	16QAM	20.14	20.24	33.00	PASS
CA_38C	100RB+100RB	37952+38150	18RB#0	0RB#0	16QAM	20.15	20.25	33.00	PASS
CA_38C	75RB+75RB	37825+37975	1RB#0	0RB#0	64QAM	19.21	19.31	33.00	PASS
CA_38C	75RB+75RB	37825+37975	16RB#0	0RB#0	64QAM	19.19	19.29	33.00	PASS
CA_38C	75RB+75RB	37925+38075	1RB#0	0RB#0	64QAM	19.18	19.28	33.00	PASS
CA_38C	75RB+75RB	37925+38075	16RB#0	0RB#0	64QAM	19.14	19.24	33.00	PASS
CA_38C	75RB+75RB	38025+38175	1RB#0	0RB#0	64QAM	19.14	19.24	33.00	PASS
CA_38C	75RB+75RB	38025+38175	16RB#0	0RB#0	64QAM	19.18	19.28	33.00	PASS
CA_38C	100RB+100RB	37850+38048	1RB#0	0RB#0	64QAM	19.26	19.36	33.00	PASS
CA_38C	100RB+100RB	37850+38048	18RB#0	0RB#0	64QAM	19.10	19.2	33.00	PASS
CA_38C	100RB+100RB	37901+38099	1RB#0	0RB#0	64QAM	19.22	19.32	33.00	PASS
CA_38C	100RB+100RB	37901+38099	18RB#0	0RB#0	64QAM	19.15	19.25	33.00	PASS
CA_38C	100RB+100RB	37952+38150	1RB#0	0RB#0	64QAM	19.14	19.24	33.00	PASS
CA_38C	100RB+100RB	37952+38150	18RB#0	0RB#0	64QAM	19.29	19.39	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	4.87	13.00	PASS
CA_38C	QPSK	100RB+100RB	37901+38099	100RB#0	100RB#0	6.78	13.00	PASS
CA_38C	QPSK	100RB+100RB	37952+38150	100RB#0	100RB#0	5.25	13.00	PASS
CA_38C	16QAM	100RB+100RB	37850+38048	100RB#0	100RB#0	6.41	13.00	PASS
CA_38C	16QAM	100RB+100RB	37901+38099	100RB#0	100RB#0	6.78	13.00	PASS
CA_38C	16QAM	100RB+100RB	37952+38150	100RB#0	100RB#0	7.33	13.00	PASS
CA_38C	64QAM	100RB+100RB	37850+38048	100RB#0	100RB#0	8.58	13.00	PASS
CA_38C	64QAM	100RB+100RB	37901+38099	100RB#0	100RB#0	6.75	13.00	PASS
CA_38C	64QAM	100RB+100RB	37952+38150	100RB#0	100RB#0	6.26	13.00	PASS

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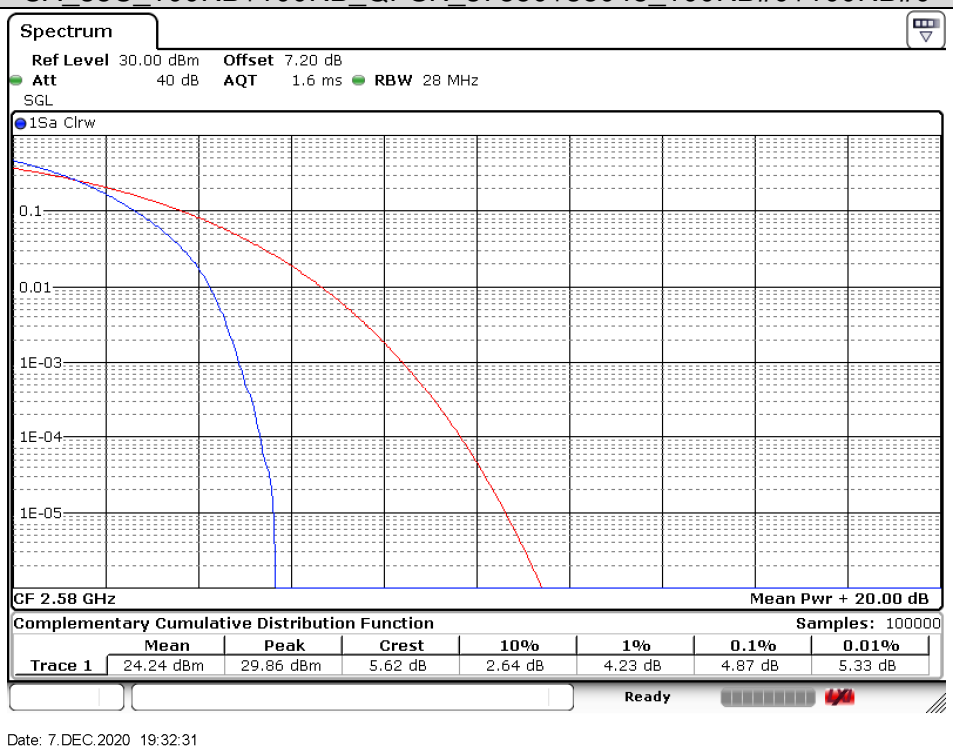
2.1 For LTE

2.1.1 Test Band = LTE Band CA_38C

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



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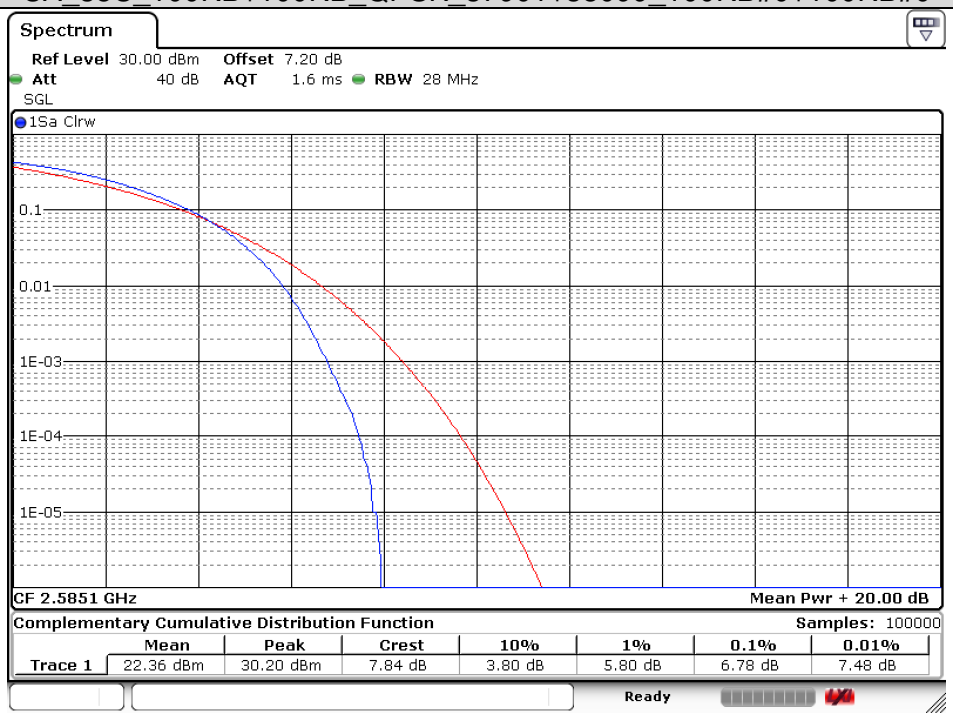
CA_38C_100RB+100RB_QPSK_37901+38099_100RB#0+100RB#0



Date: 7.DEC.2020 19:37:53

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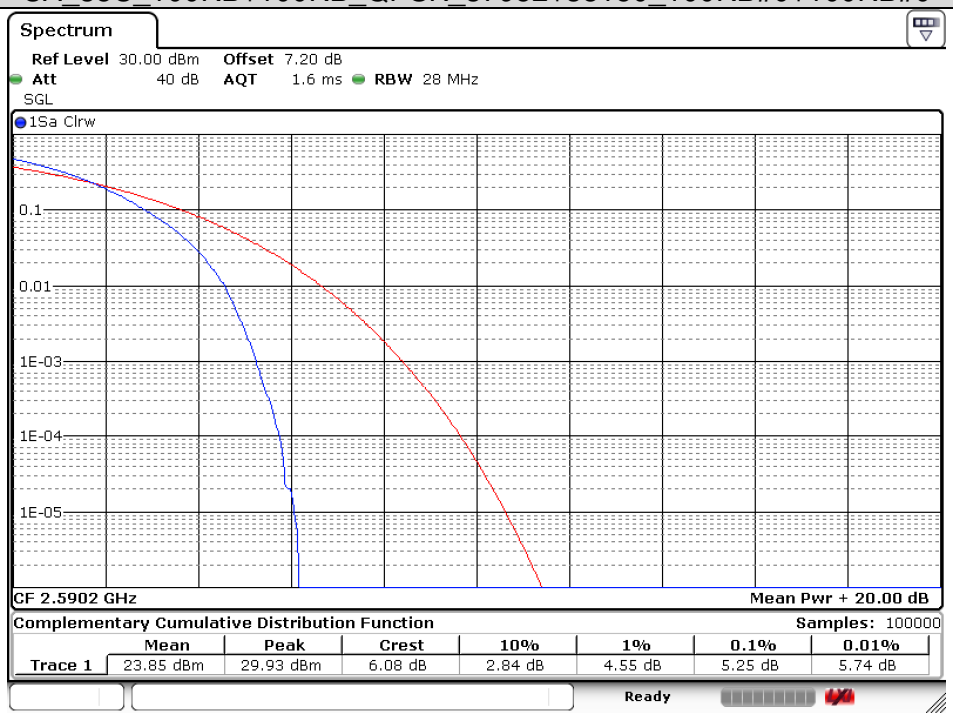

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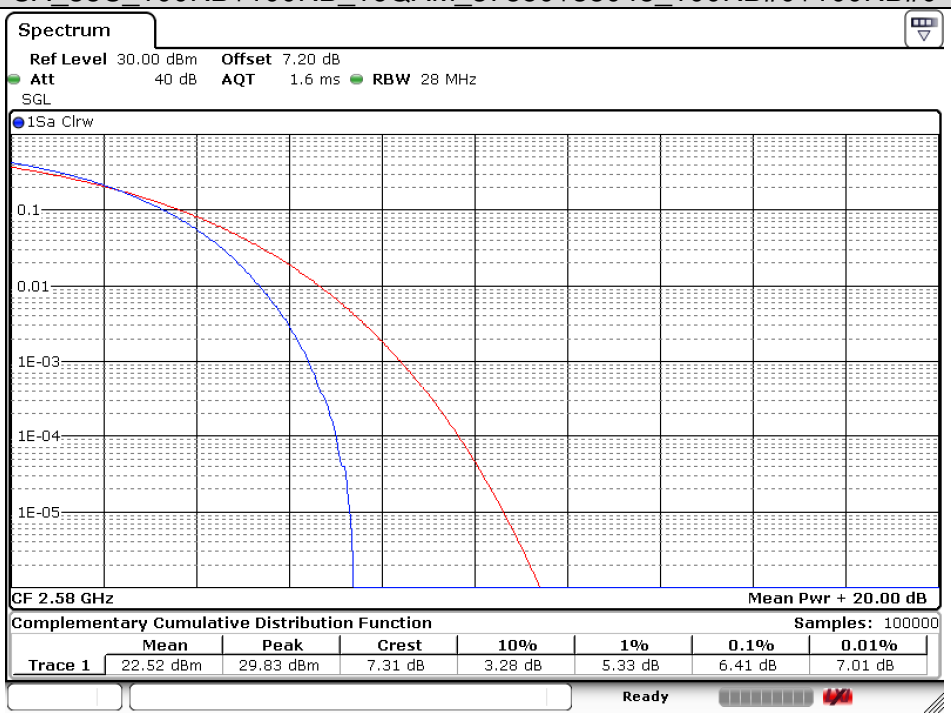

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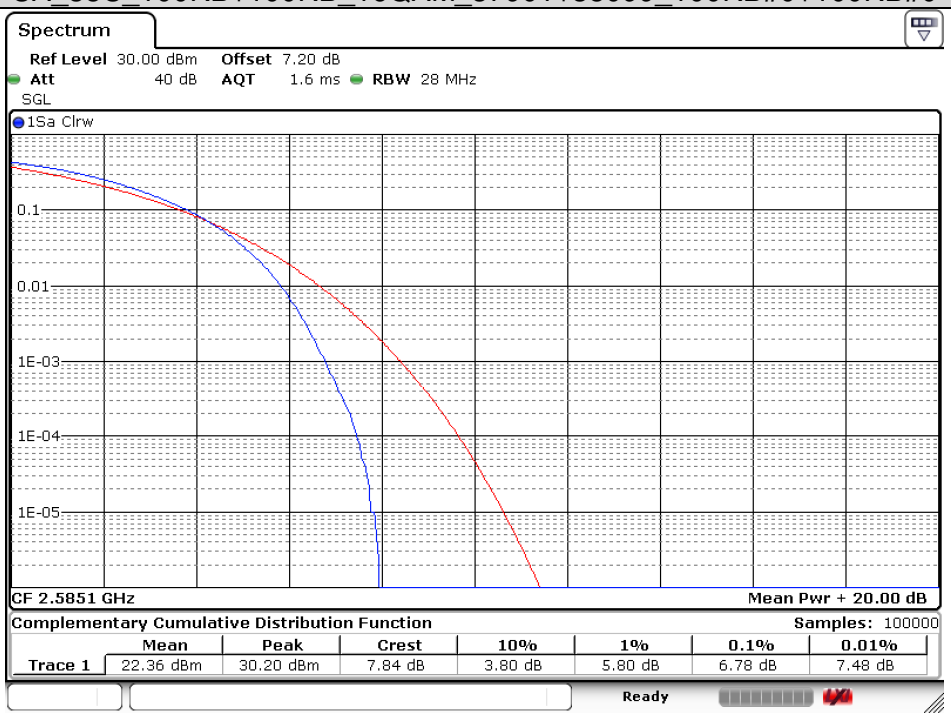

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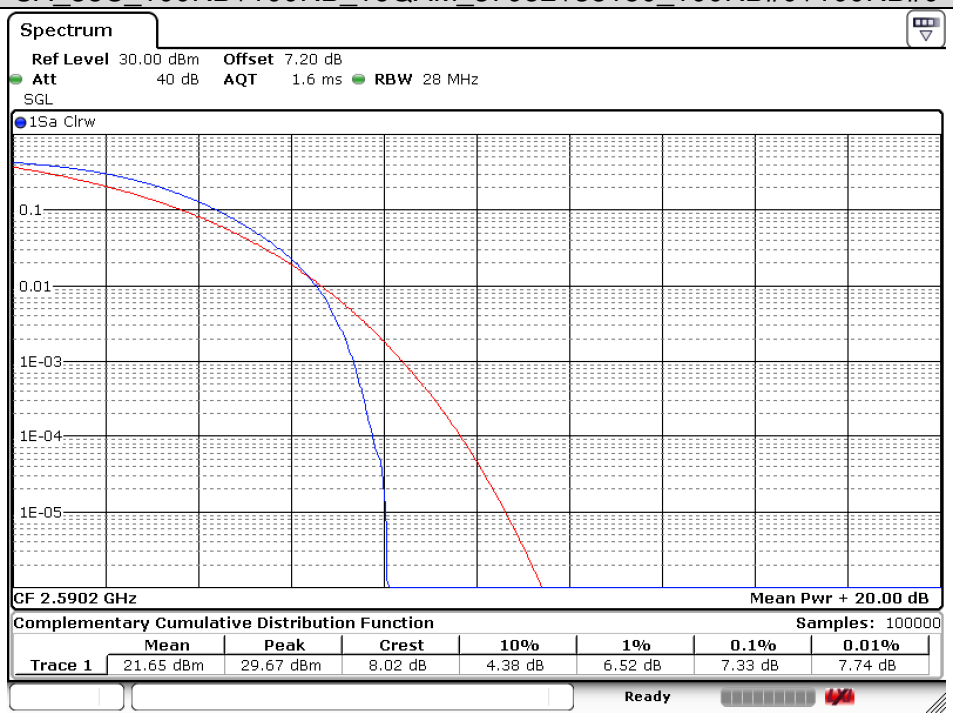

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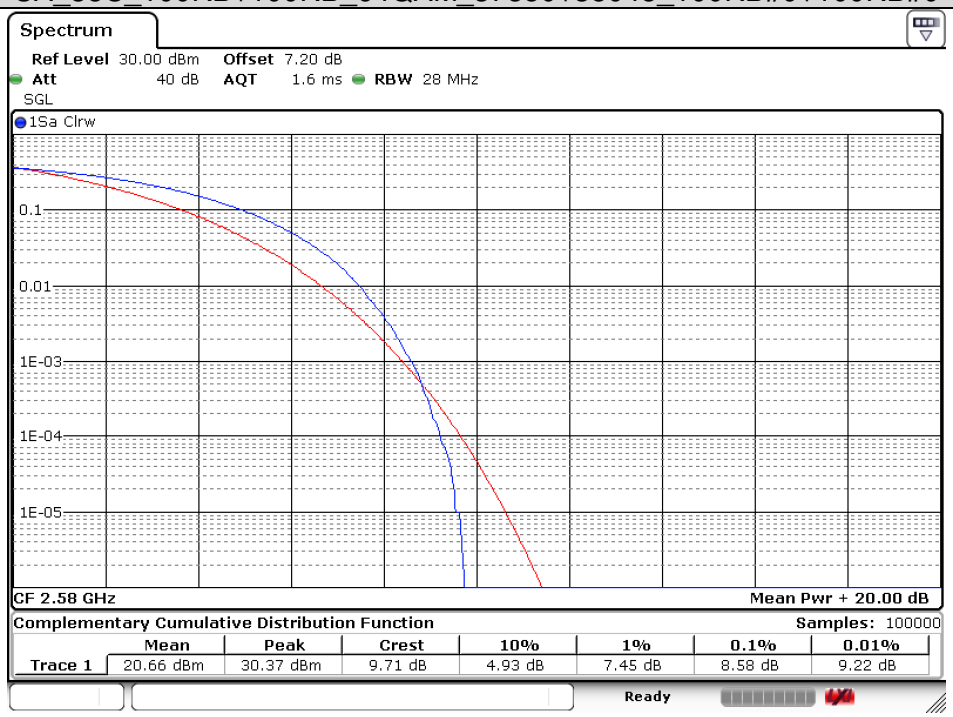

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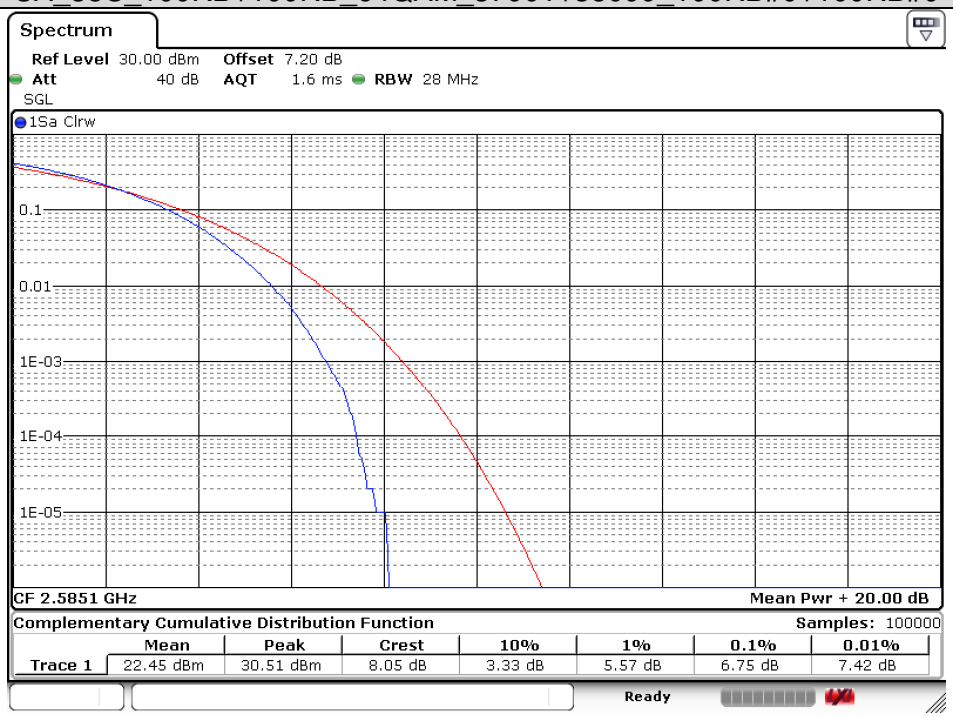

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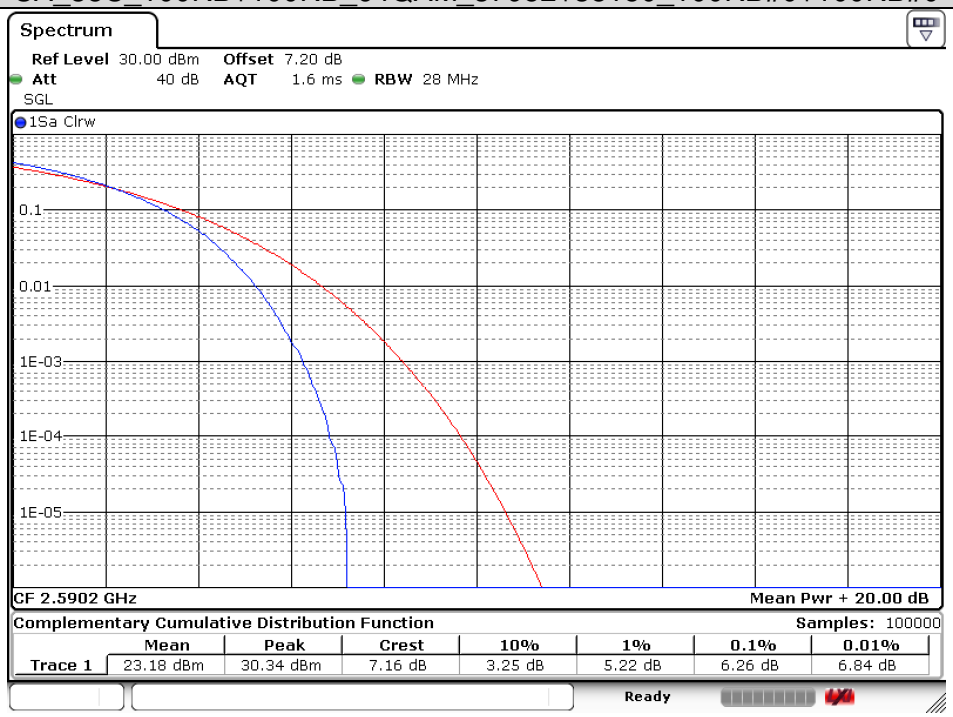

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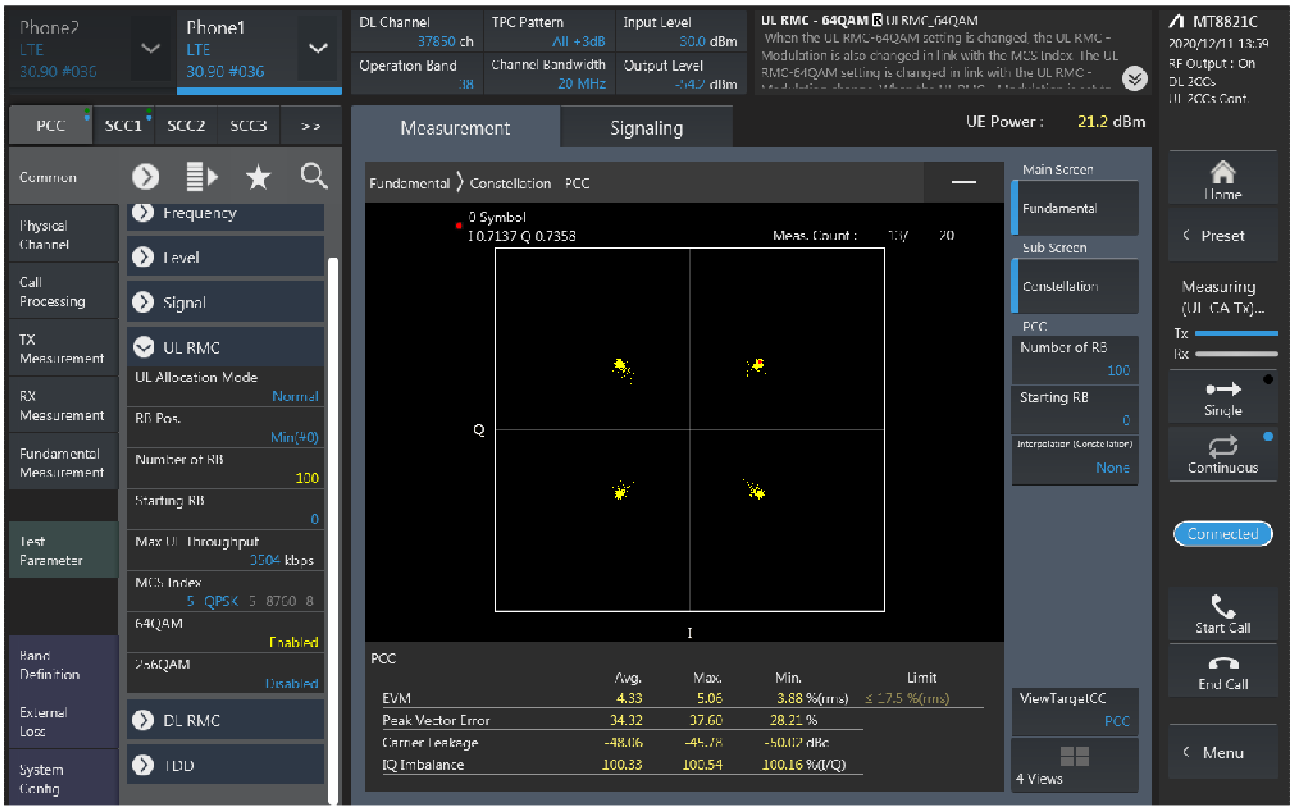
3 Modulation Characteristics

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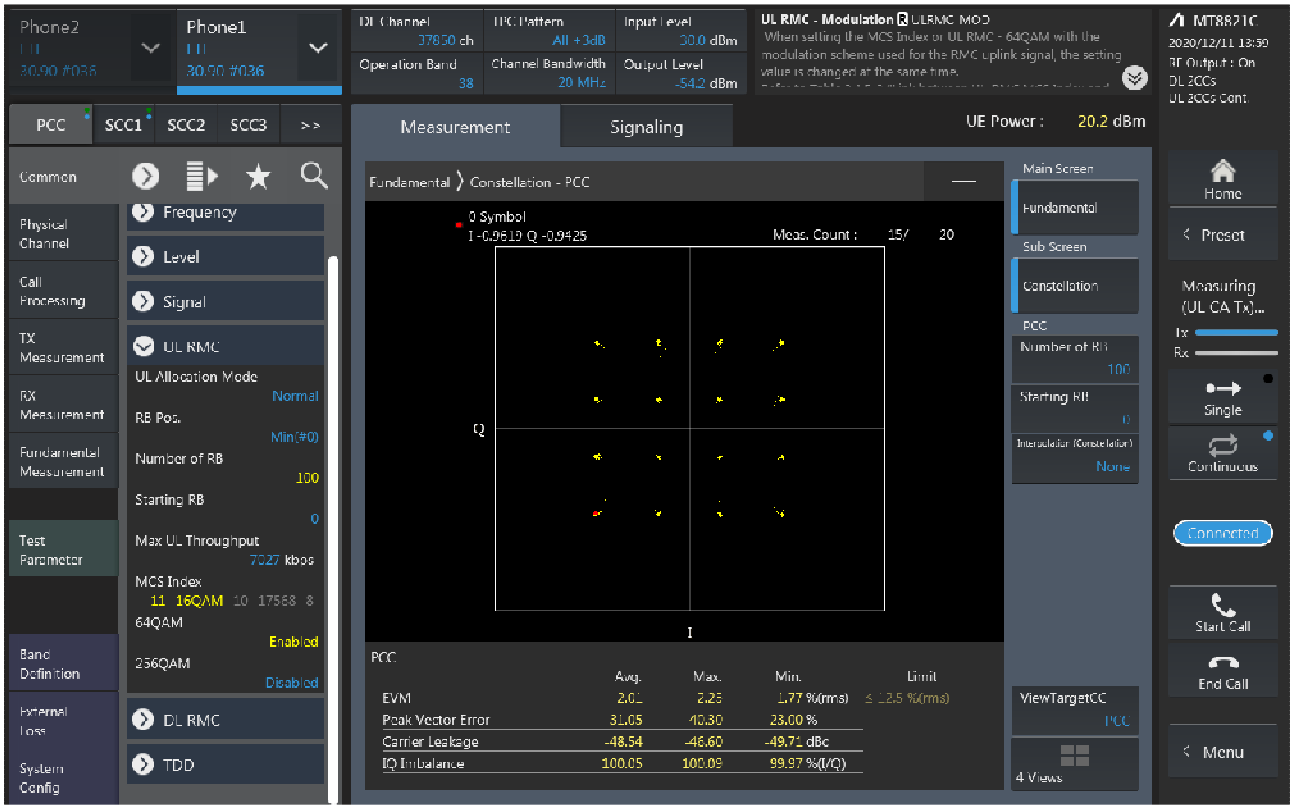
3.1.1.2 Test Mode = LTE /16QAM 100RB+100RB

3.1.1.2.1 Test Channel =37850+38048



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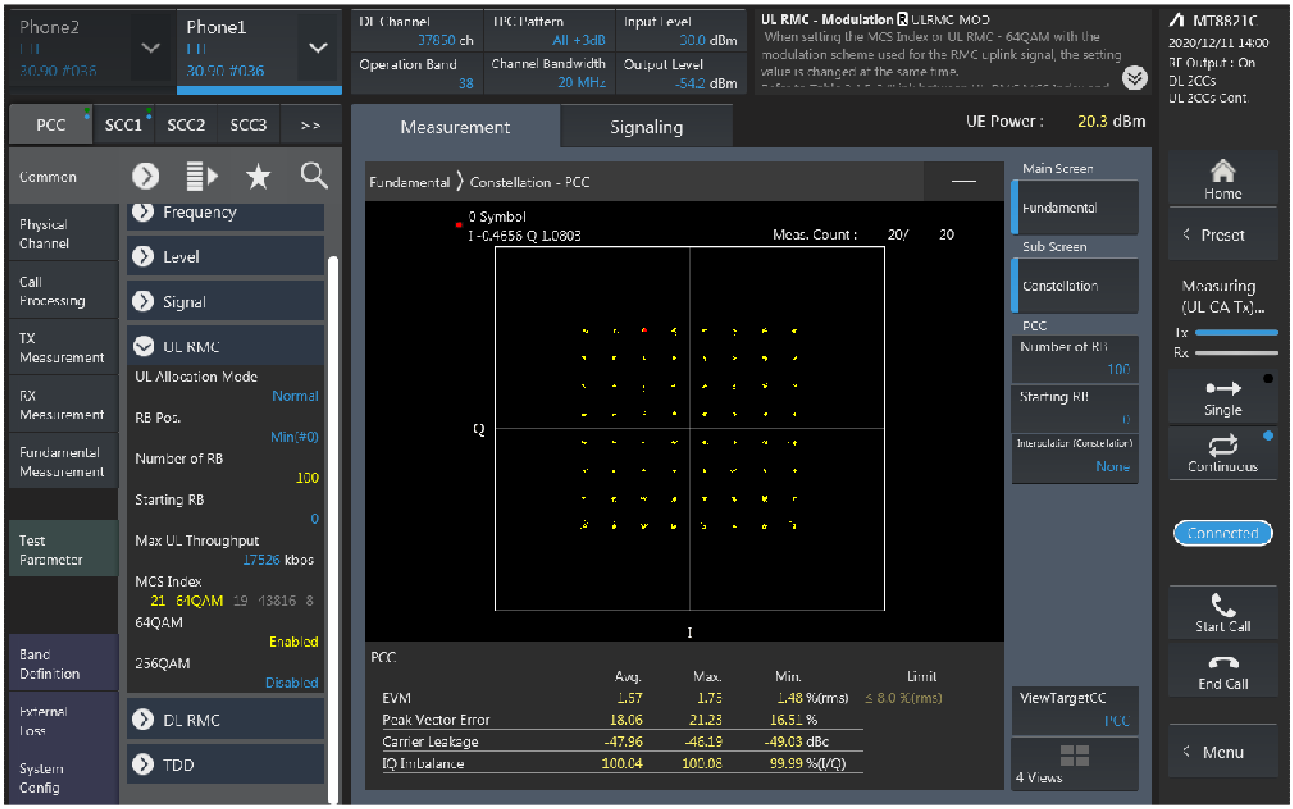
3.1.1.3 Test Mode = LTE /64QAM 100RB+100RB

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	28.28	29.36	PASS
CA_38C	16QAM	75RB+75RB	37825+37975	75RB#0	75RB#0	28.27	29.26	PASS
CA_38C	64QAM	75RB+75RB	37825+37975	75RB#0	75RB#0	28.25	29.27	PASS
CA_38C	QPSK	75RB+75RB	37925+38075	75RB#0	75RB#0	28.3	29.23	PASS
CA_38C	16QAM	75RB+75RB	37925+38075	75RB#0	75RB#0	28.27	29.26	PASS
CA_38C	64QAM	75RB+75RB	37925+38075	75RB#0	75RB#0	28.25	29.27	PASS
CA_38C	QPSK	75RB+75RB	38025+38175	75RB#0	75RB#0	28.28	29.29	PASS
CA_38C	16QAM	75RB+75RB	38025+38175	75RB#0	75RB#0	28.25	29.24	PASS
CA_38C	64QAM	75RB+75RB	38025+38175	75RB#0	75RB#0	28.25	29.27	PASS
CA_38C	QPSK	100RB+100RB	37850+38048	100RB#0	100RB#0	37.51	38.85	PASS
CA_38C	16QAM	100RB+100RB	37850+38048	100RB#0	100RB#0	37.55	38.99	PASS
CA_38C	64QAM	100RB+100RB	37850+38048	100RB#0	100RB#0	37.53	38.97	PASS
CA_38C	QPSK	100RB+100RB	37901+38099	100RB#0	100RB#0	37.57	38.83	PASS
CA_38C	16QAM	100RB+100RB	37901+38099	100RB#0	100RB#0	37.53	38.99	PASS
CA_38C	64QAM	100RB+100RB	37901+38099	100RB#0	100RB#0	37.53	38.99	PASS
CA_38C	QPSK	100RB+100RB	37952+38150	100RB#0	100RB#0	37.53	39.03	PASS
CA_38C	16QAM	100RB+100RB	37952+38150	100RB#0	100RB#0	37.53	38.97	PASS
CA_38C	64QAM	100RB+100RB	37952+38150	100RB#0	100RB#0	37.51	38.99	PASS

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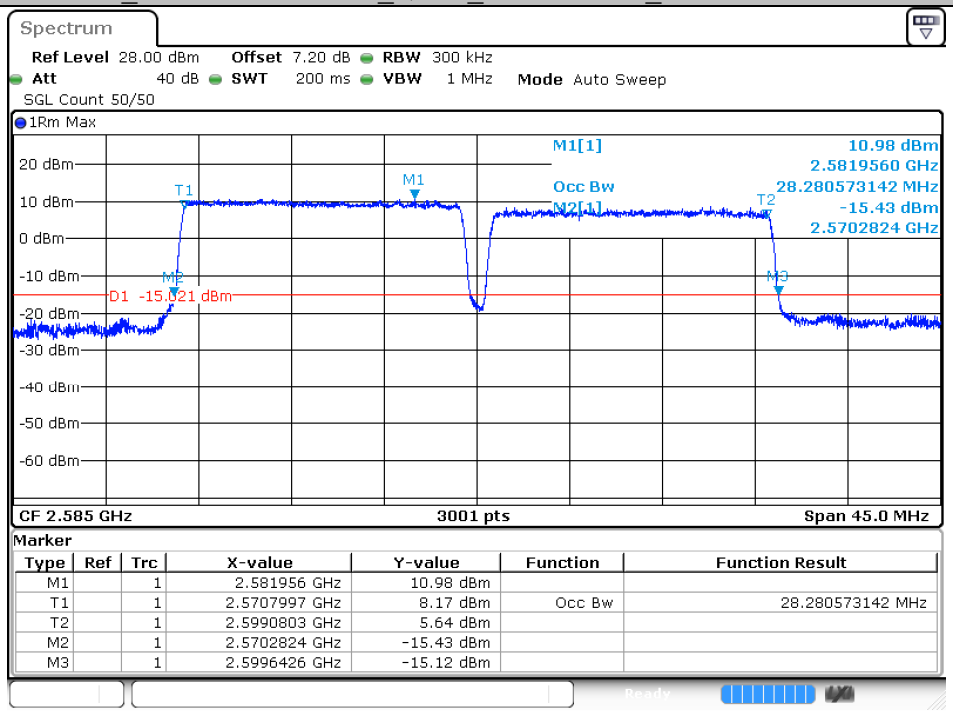
4.1 For LTE

4.1.1 Test Band = LTE Band CA_38C

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



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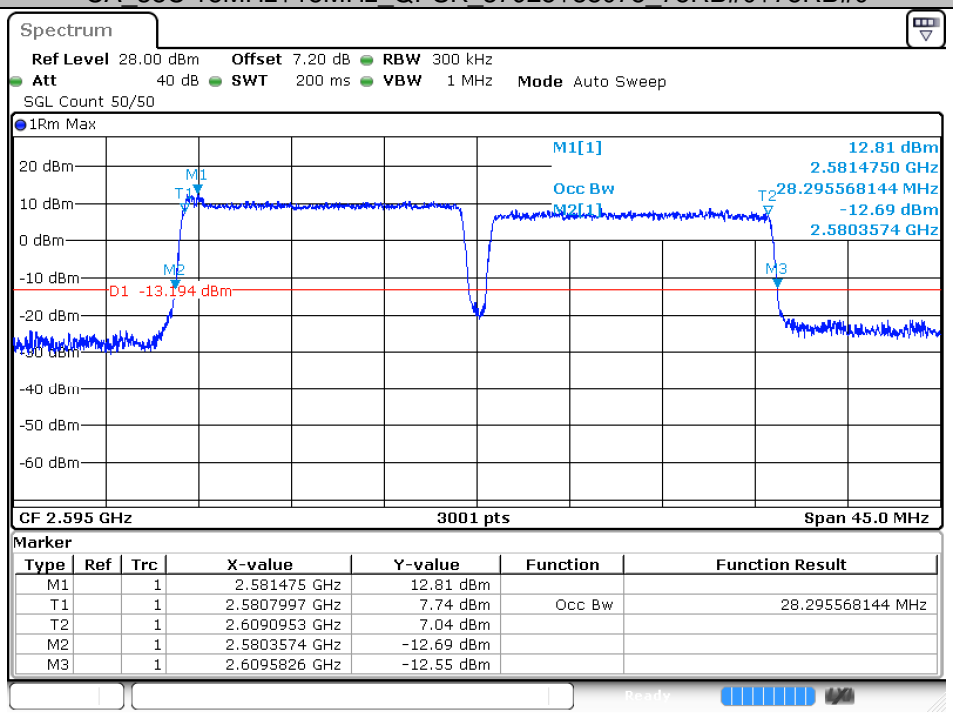

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.581475 GHz	12.81 dBm		
T1		1	2.5807997 GHz	7.74 dBm	Occ Bw	28.295568144 MHz
T2		1	2.6090953 GHz	7.04 dBm		
M2		1	2.5803574 GHz	-12.69 dBm		
M3		1	2.6095826 GHz	-12.55 dBm		

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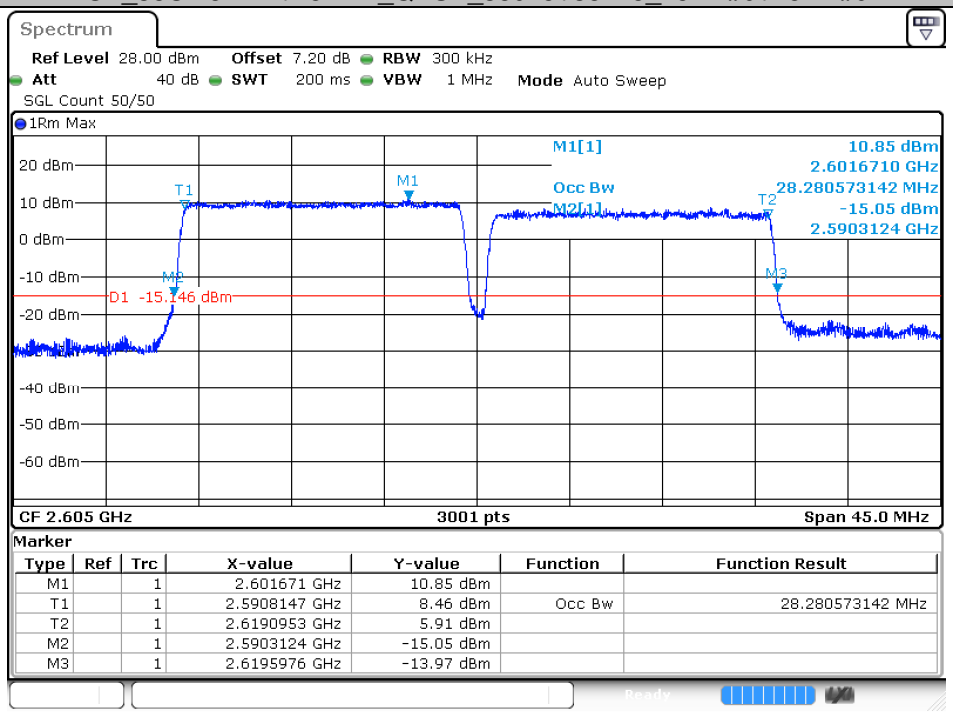
CA_38C 15MHz+15MHz_QPSK_38025+38175_75RB#0+75RB#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.601671 GHz	10.85 dBm		
T1		1	2.5908147 GHz	8.46 dBm	Occ Bw	28.280573142 MHz
T2		1	2.6190953 GHz	5.91 dBm		
M2		1	2.5903124 GHz	-15.05 dBm		
M3		1	2.6195976 GHz	-13.97 dBm		

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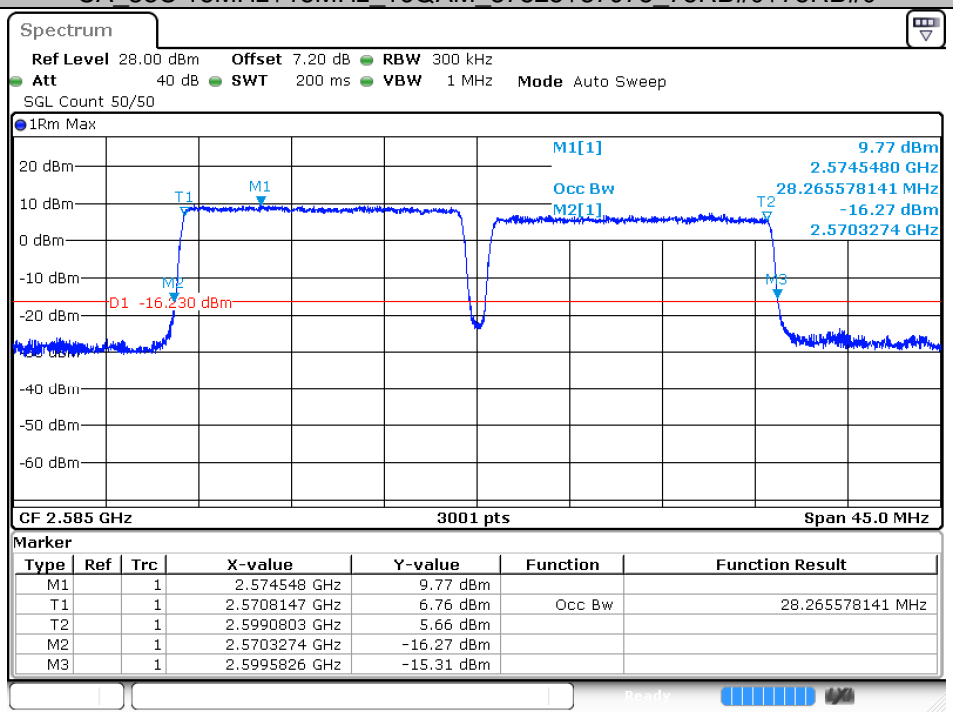
CA_38C 15MHz+15MHz_16QAM_37825+37975_75RB#0+75RB#0

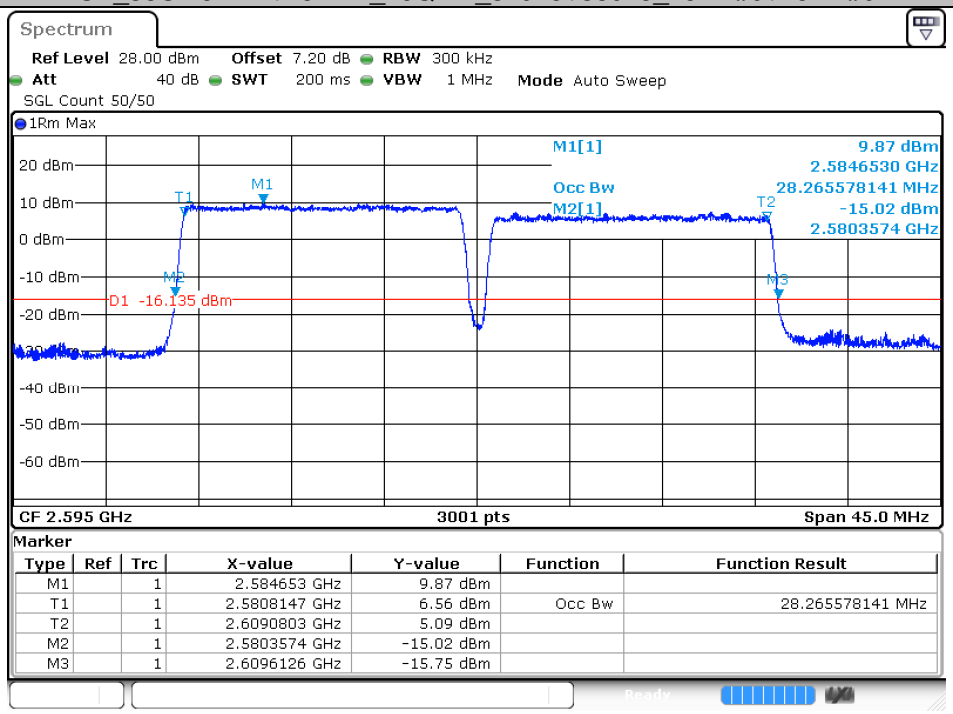


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.574548 GHz	9.77 dBm		
T1		1	2.5708147 GHz	6.76 dBm	Occ Bw	28.265578141 MHz
T2		1	2.5990803 GHz	5.66 dBm		
M2		1	2.5703274 GHz	-16.27 dBm		
M3		1	2.5995826 GHz	-15.31 dBm		

Date: 6.DEC.2020 17:33:01

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.584653 GHz	9.87 dBm		
T1		1	2.5808147 GHz	6.56 dBm	Occ Bw	28.265578141 MHz
T2		1	2.6090803 GHz	5.09 dBm		
M2		1	2.5803574 GHz	-15.02 dBm		
M3		1	2.6096126 GHz	-15.75 dBm		

Date: 6.DEC.2020 17:34:05

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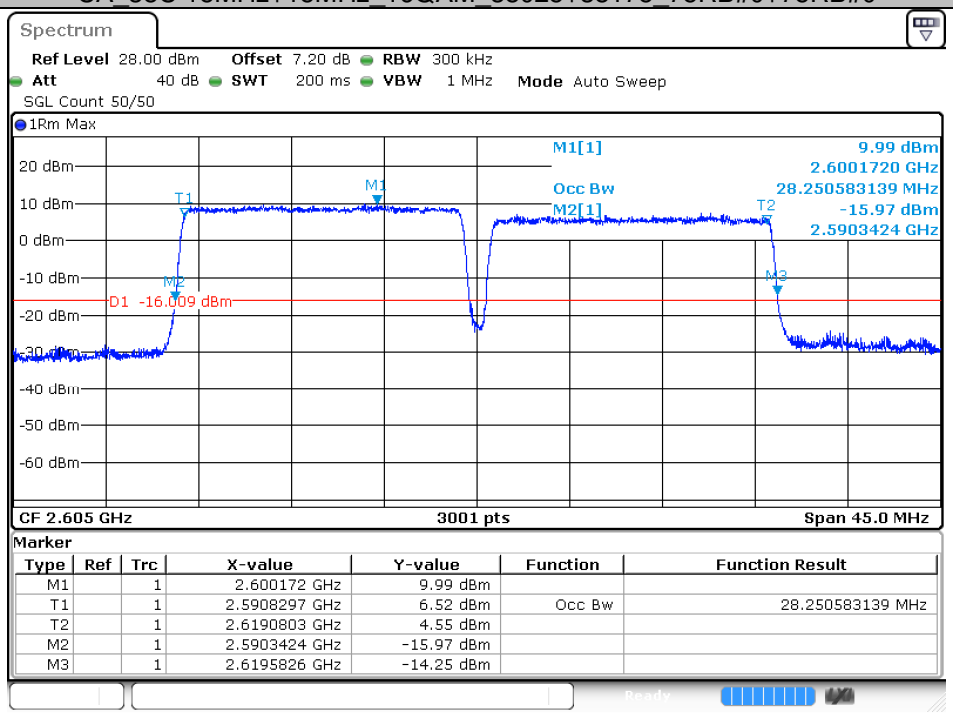
CA_38C 15MHz+15MHz_16QAM_38025+38175_75RB#0+75RB#0

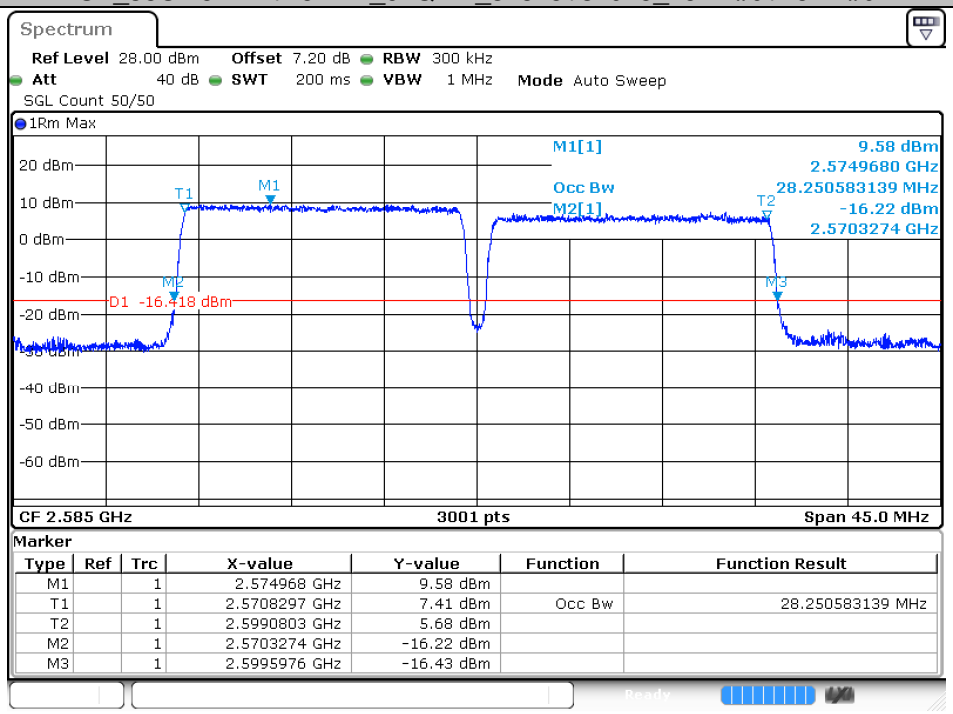


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.600172 GHz	9.99 dBm		
T1		1	2.5908297 GHz	6.52 dBm	Occ Bw	28.250583139 MHz
T2		1	2.6190803 GHz	4.55 dBm		
M2		1	2.5903424 GHz	-15.97 dBm		
M3		1	2.6195826 GHz	-14.25 dBm		

Date: 6.DEC.2020 17:35:07

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.574968 GHz	9.58 dBm		
T1		1	2.5708297 GHz	7.41 dBm	Occ Bw	28.250583139 MHz
T2		1	2.5990803 GHz	5.68 dBm		
M2		1	2.5703274 GHz	-16.22 dBm		
M3		1	2.5995976 GHz	-16.43 dBm		

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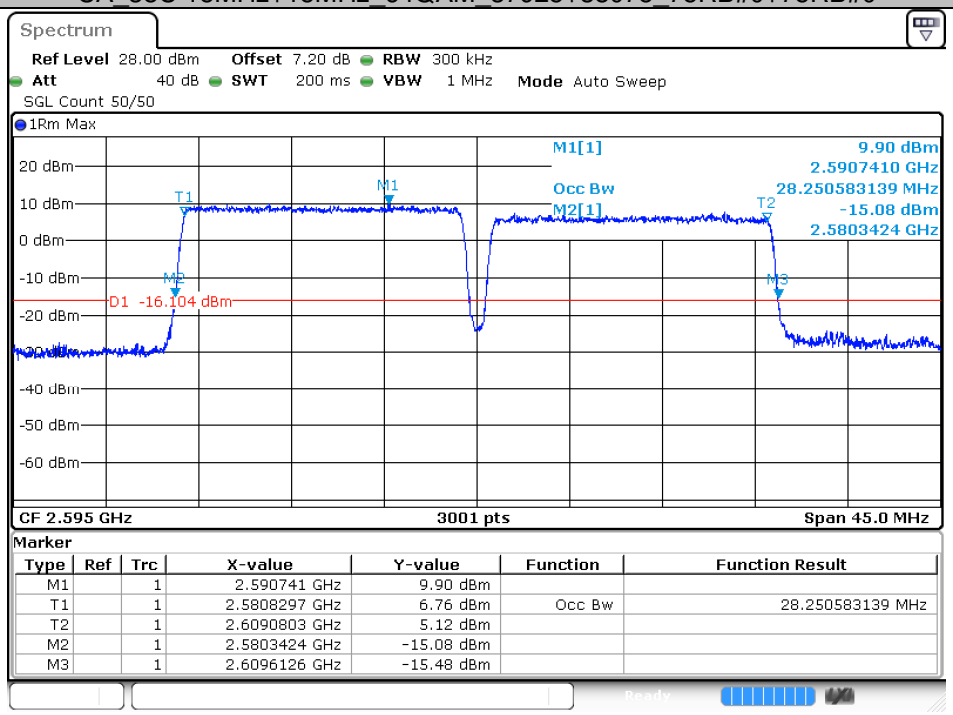
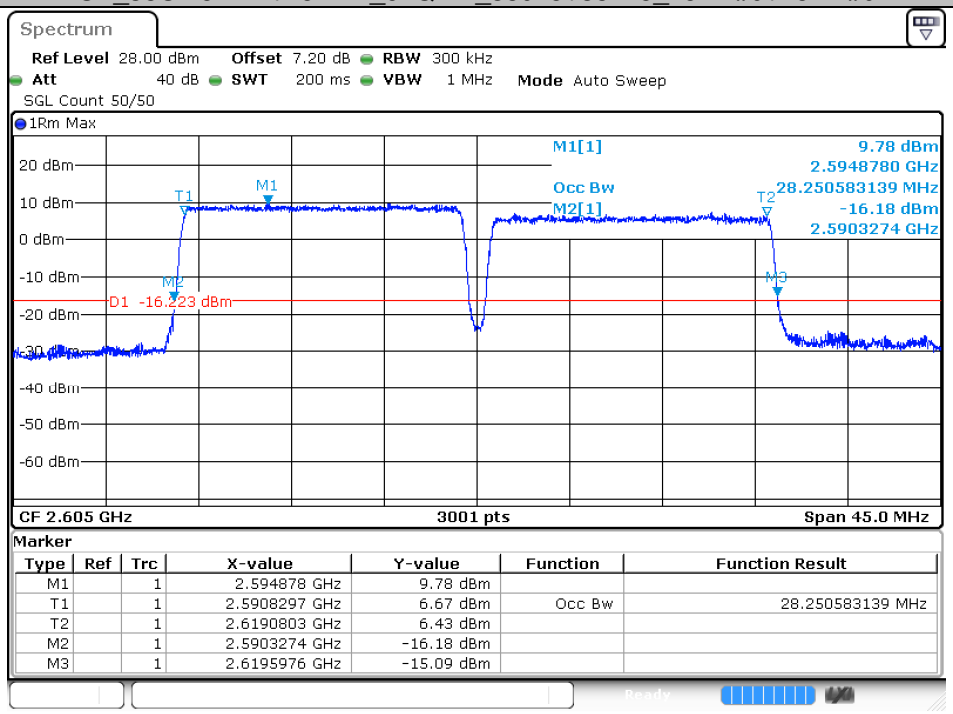


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.590741 GHz	9.90 dBm		
T1		1	2.5808297 GHz	6.76 dBm	Occ Bw	28.250583139 MHz
T2		1	2.6090803 GHz	5.12 dBm		
M2		1	2.5803424 GHz	-15.08 dBm		
M3		1	2.6096126 GHz	-15.48 dBm		

Date: 6.DEC.2020 17:34:21

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.594878 GHz	9.78 dBm		
T1		1	2.5908297 GHz	6.67 dBm	Occ Bw	28.250583139 MHz
T2		1	2.6190803 GHz	6.43 dBm		
M2		1	2.5903274 GHz	-16.18 dBm		
M3		1	2.6195976 GHz	-15.09 dBm		

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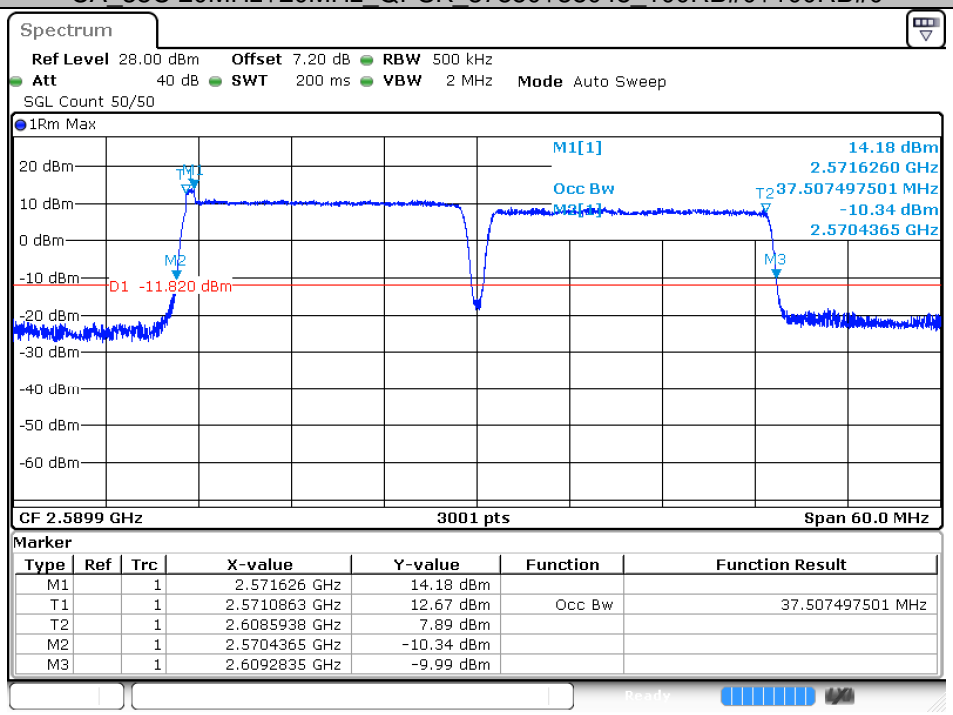
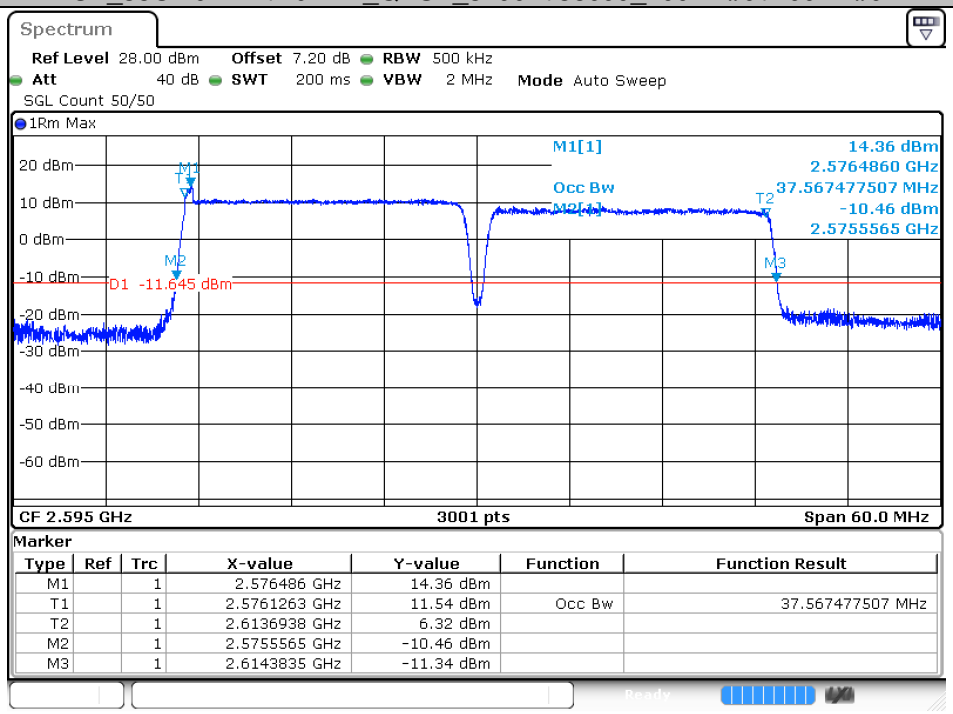
CA_38C 20MHz+20MHz_QPSK_37850+38048_100RB#0+100RB#0



Date: 6.DEC.2020 17:35:57

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



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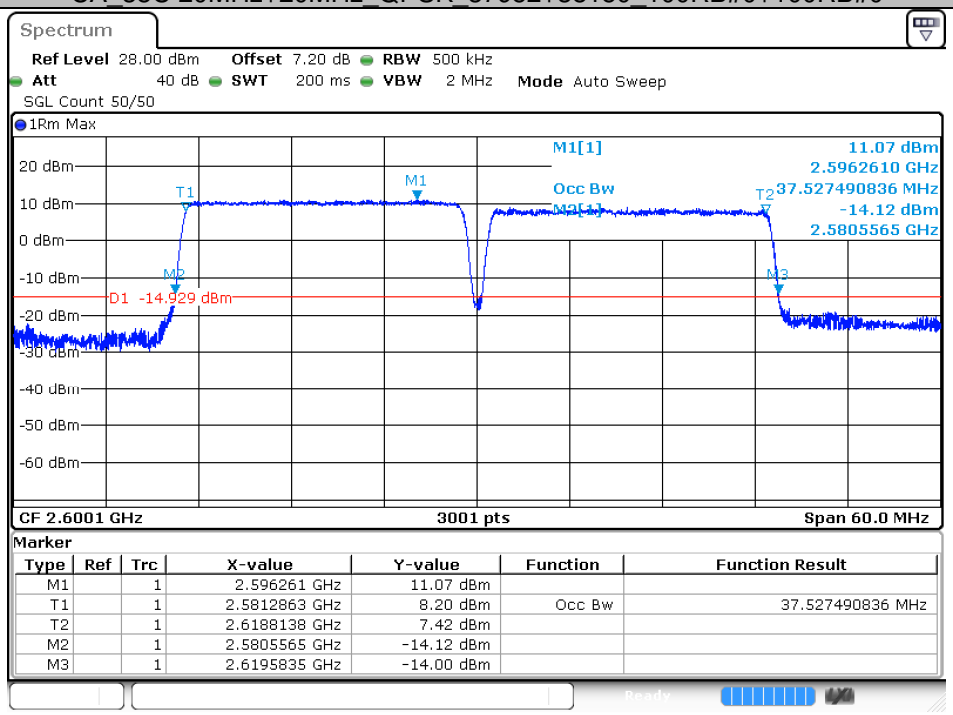
CA_38C 20MHz+20MHz_QPSK_37952+38150_100RB#0+100RB#0

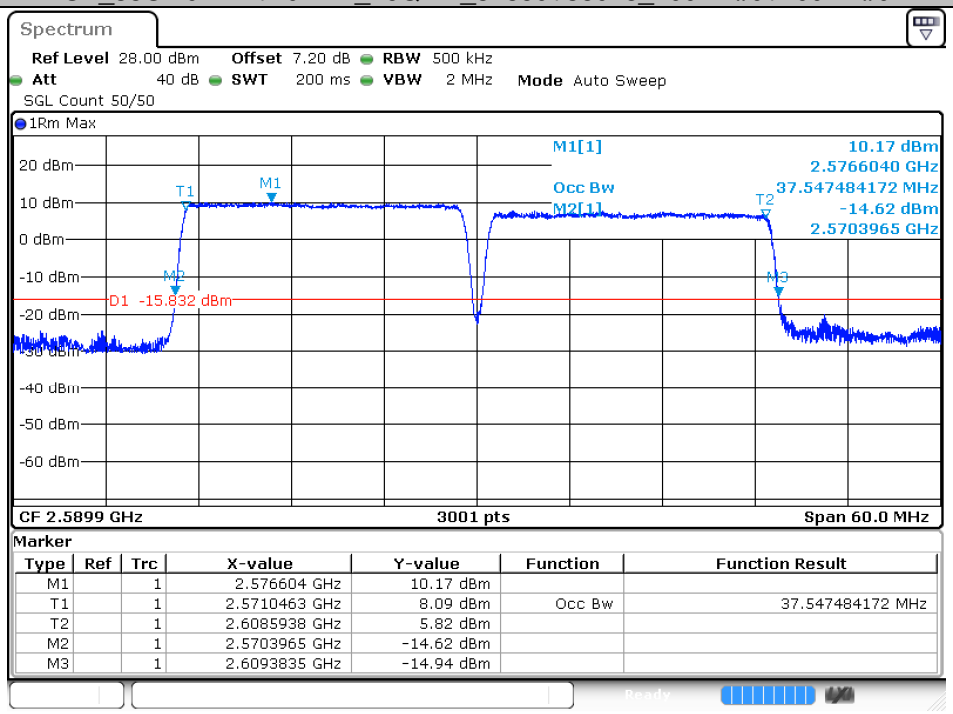


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.596261 GHz	11.07 dBm		
T1		1	2.5812863 GHz	8.20 dBm	Occ Bw	37.527490836 MHz
T2		1	2.6188138 GHz	7.42 dBm		
M2		1	2.5805565 GHz	-14.12 dBm		
M3		1	2.6195835 GHz	-14.00 dBm		

Date: 6.DEC.2020 17:38:02

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.576604 GHz	10.17 dBm		
T1		1	2.5710463 GHz	8.09 dBm	Occ Bw	37.547484172 MHz
T2		1	2.6085938 GHz	5.82 dBm		
M2		1	2.5703965 GHz	-14.62 dBm		
M3		1	2.6093835 GHz	-14.94 dBm		

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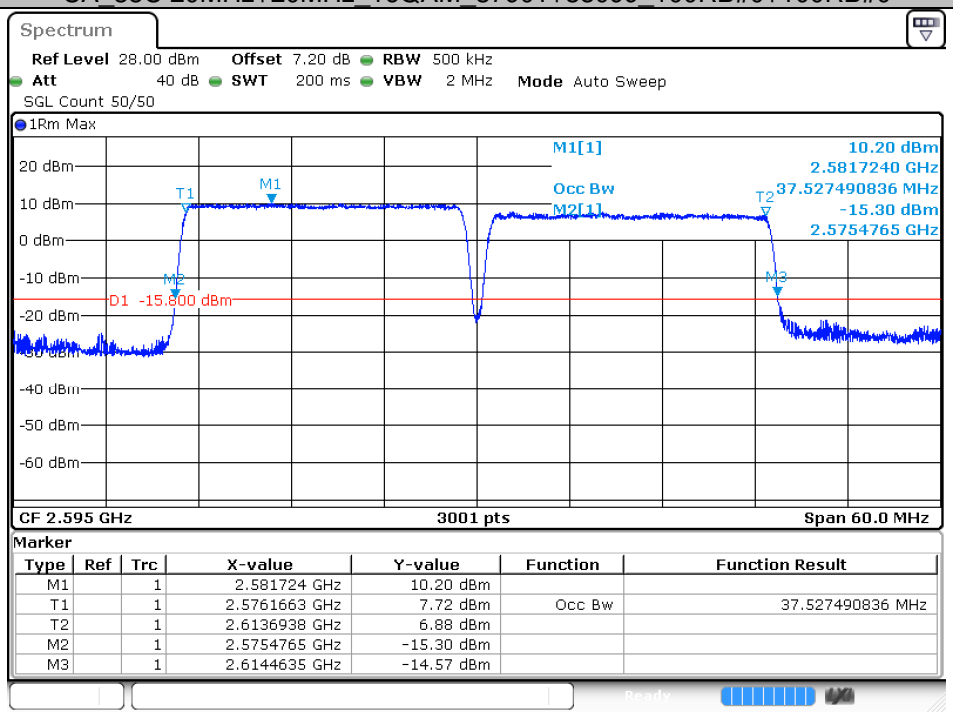

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.581724 GHz	10.20 dBm		
T1		1	2.5761663 GHz	7.72 dBm	Occ Bw	37.527490836 MHz
T2		1	2.6136938 GHz	6.88 dBm		
M2		1	2.5754765 GHz	-15.30 dBm		
M3		1	2.6144635 GHz	-14.57 dBm		

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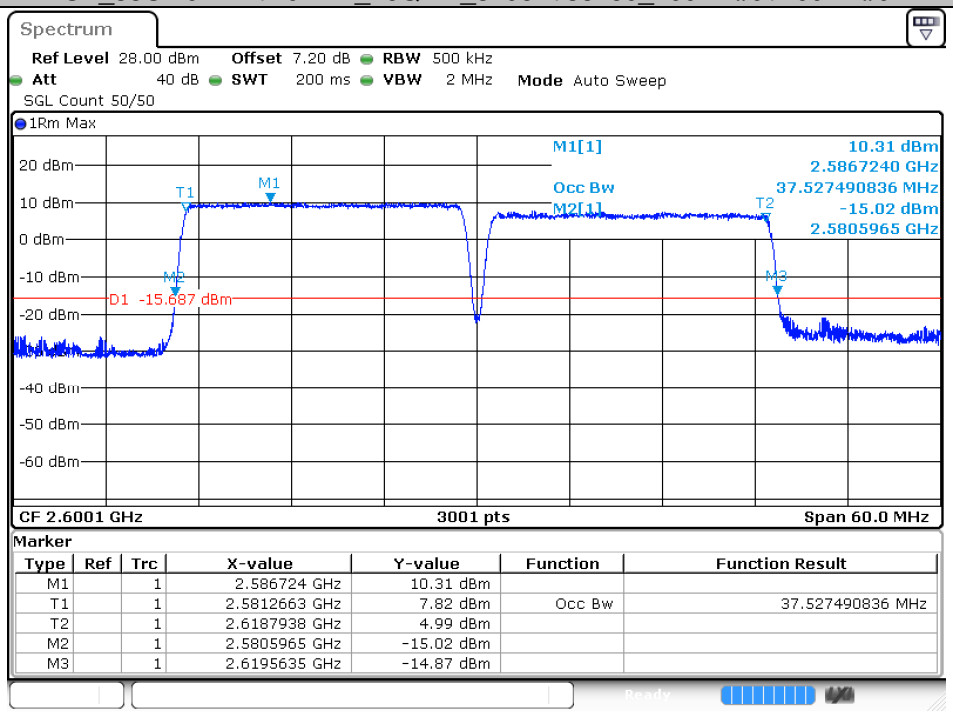

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.586724 GHz	10.31 dBm		
T1		1	2.5812663 GHz	7.82 dBm	Occ Bw	37.527490836 MHz
T2		1	2.6187938 GHz	4.99 dBm		
M2		1	2.5805965 GHz	-15.02 dBm		
M3		1	2.6195635 GHz	-14.87 dBm		

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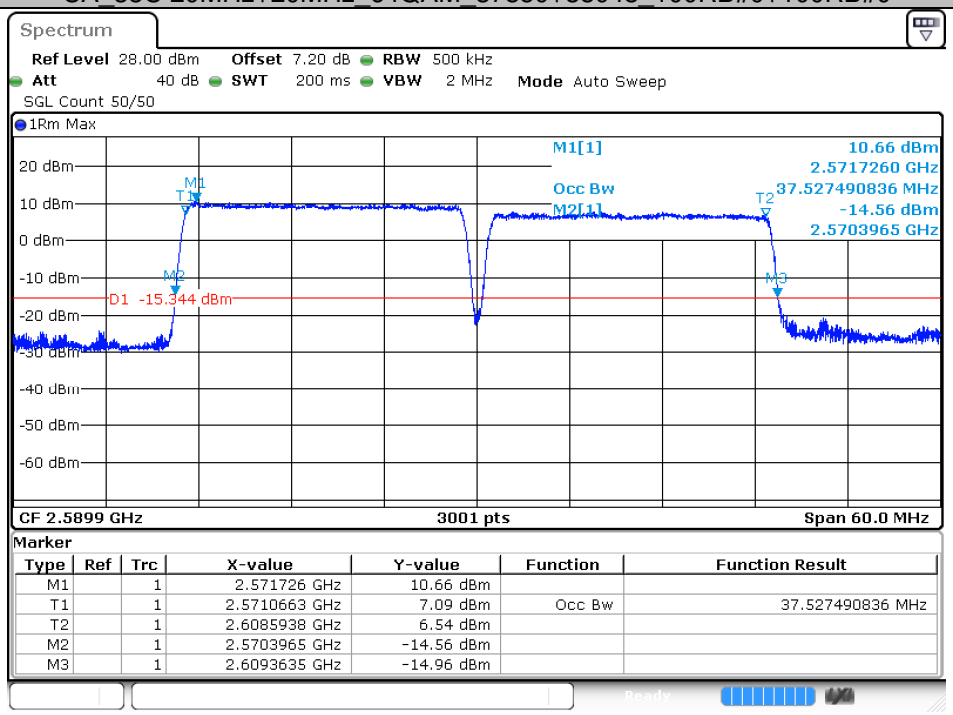
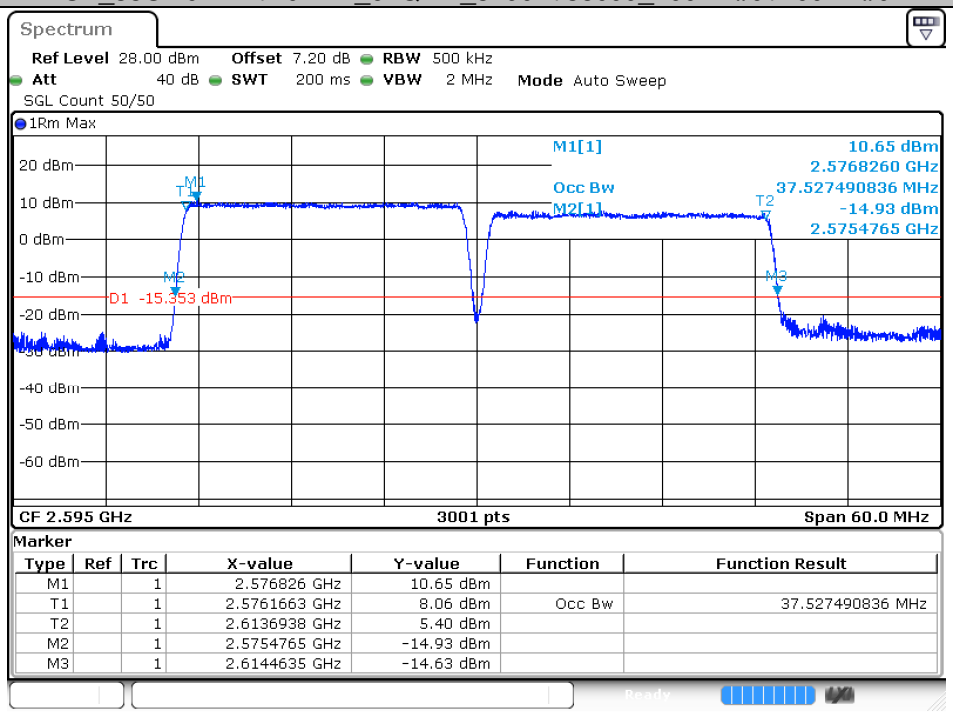


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.571726 GHz	10.66 dBm		
T1		1	2.5710663 GHz	7.09 dBm	Occ Bw	37.527490836 MHz
T2		1	2.6085938 GHz	6.54 dBm		
M2		1	2.5703965 GHz	-14.56 dBm		
M3		1	2.6093635 GHz	-14.96 dBm		

Date: 6.DEC.2020 17:36:30

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	2.576826 GHz	10.65 dBm		
T1		1	2.5761663 GHz	8.06 dBm	Occ Bw	37.527490836 MHz
T2		1	2.6136938 GHz	5.40 dBm		
M2		1	2.5754765 GHz	-14.93 dBm		
M3		1	2.6144635 GHz	-14.63 dBm		

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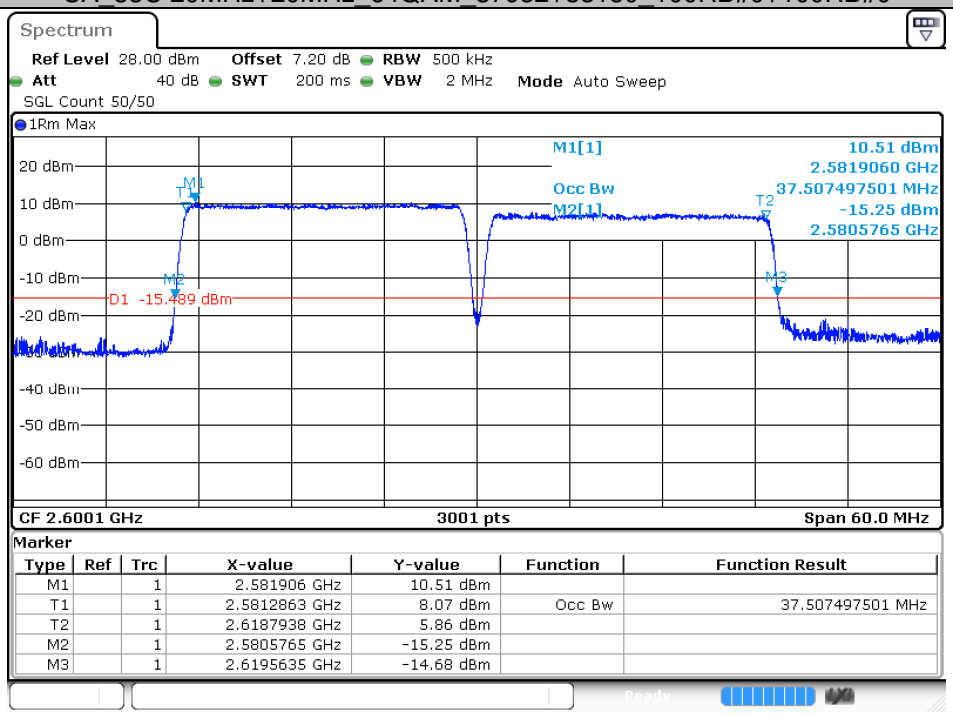

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.581906 GHz	10.51 dBm		
T1		1	2.5812863 GHz	8.07 dBm	Occ Bw	37.507497501 MHz
T2		1	2.6187938 GHz	5.86 dBm		
M2		1	2.5805765 GHz	-15.25 dBm		
M3		1	2.6195635 GHz	-14.68 dBm		

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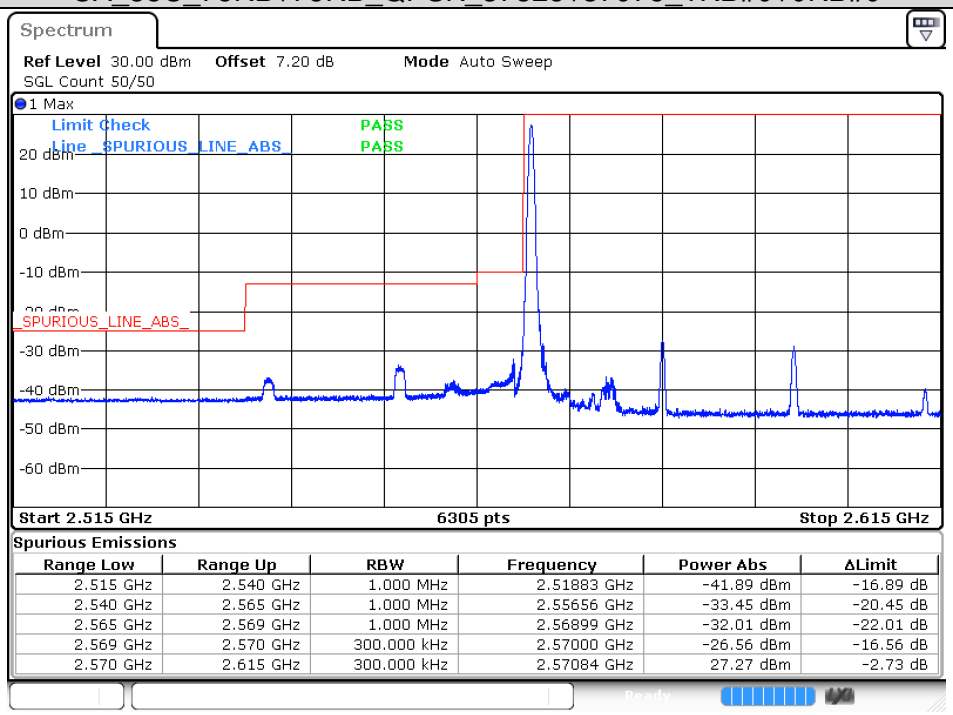
5 Band Edges Compliance

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	2.51883 GHz	-41.89 dBm	-16.89 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.55656 GHz	-33.45 dBm	-20.45 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56899 GHz	-32.01 dBm	-22.01 dB
2.569 GHz	2.570 GHz	300.000 kHz	2.57000 GHz	-26.56 dBm	-16.56 dB
2.570 GHz	2.615 GHz	300.000 kHz	2.57084 GHz	27.27 dBm	-2.73 dB

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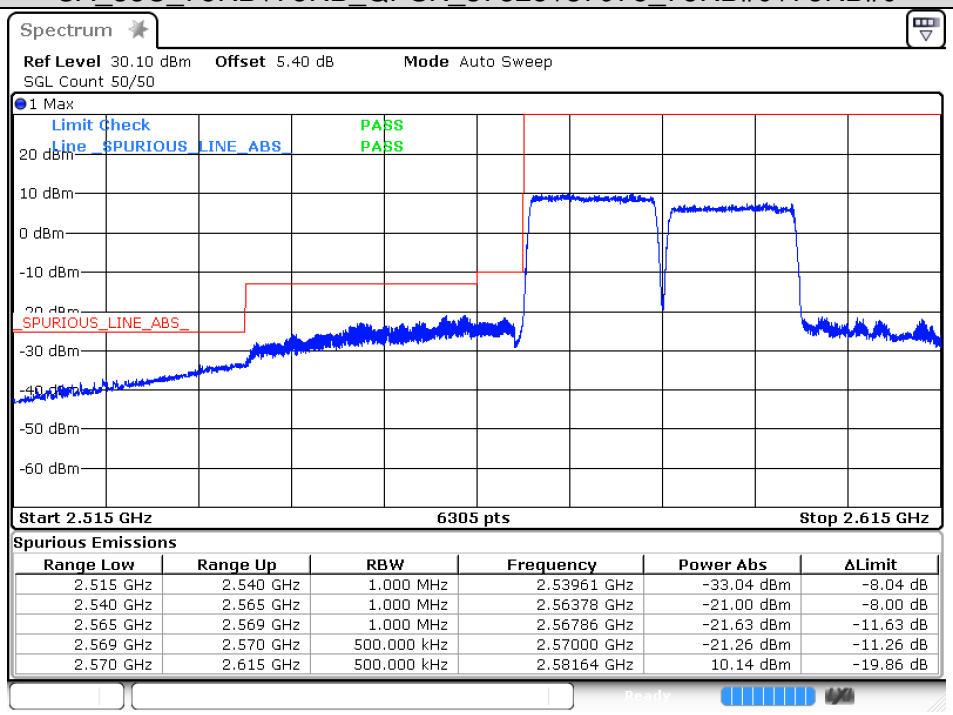
CA_38C_75RB+75RB_QPSK_37825+37975_75RB#0+75RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.540 GHz	1.000 MHz	2.53961 GHz	-33.04 dBm	-8.04 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.56378 GHz	-21.00 dBm	-8.00 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56786 GHz	-21.63 dBm	-11.63 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.57000 GHz	-21.26 dBm	-11.26 dB
2.570 GHz	2.615 GHz	500.000 kHz	2.58164 GHz	10.14 dBm	-19.86 dB

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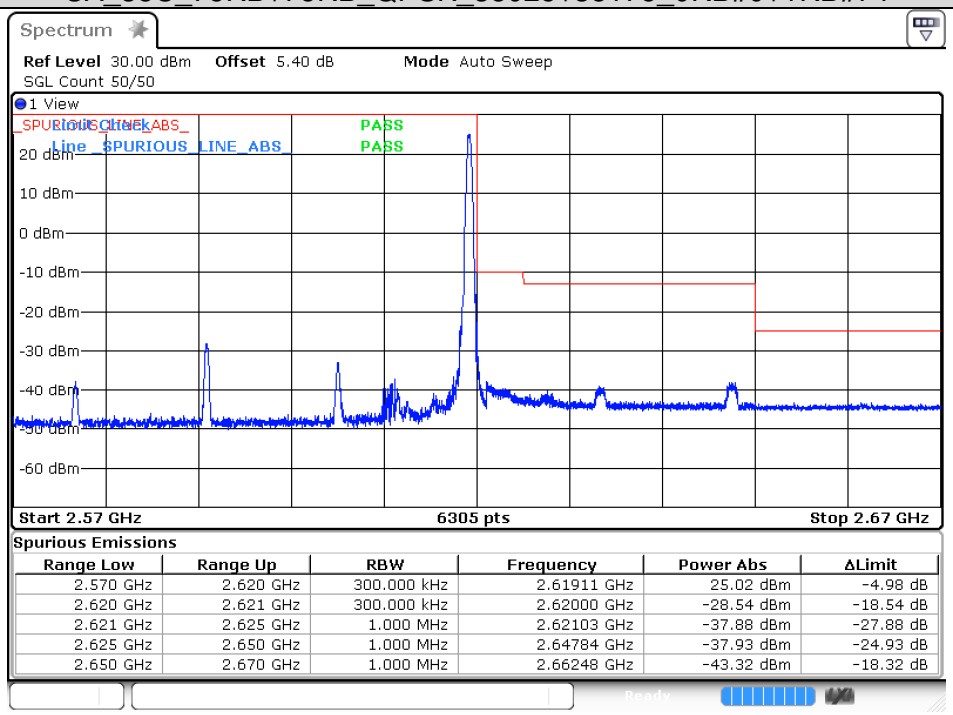
CA_38C_75RB+75RB_QPSK_38025+38175_0RB#0+1RB#74



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	300.000 kHz	2.61911 GHz	25.02 dBm	-4.98 dB
2.620 GHz	2.621 GHz	300.000 kHz	2.62000 GHz	-28.54 dBm	-18.54 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62103 GHz	-37.88 dBm	-27.88 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.64784 GHz	-37.93 dBm	-24.93 dB
2.650 GHz	2.670 GHz	1.000 MHz	2.66248 GHz	-43.32 dBm	-18.32 dB

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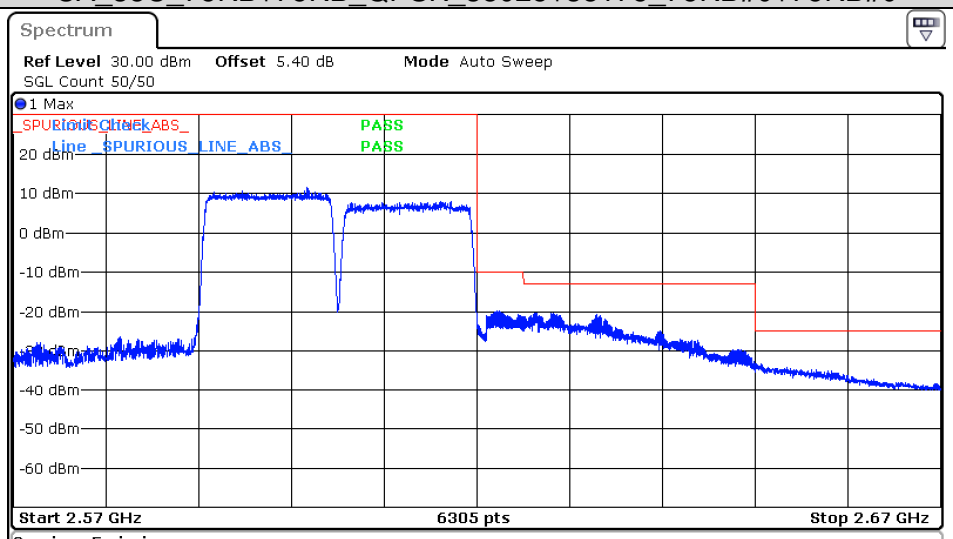
CA_38C_75RB+75RB_QPSK_38025+38175_75RB#0+75RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	500.000 kHz	2.60162 GHz	11.39 dBm	-18.61 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62000 GHz	-22.81 dBm	-12.81 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62217 GHz	-19.74 dBm	-9.74 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.62621 GHz	-20.34 dBm	-7.34 dB
2.650 GHz	2.670 GHz	1.000 MHz	2.65069 GHz	-33.34 dBm	-8.34 dB

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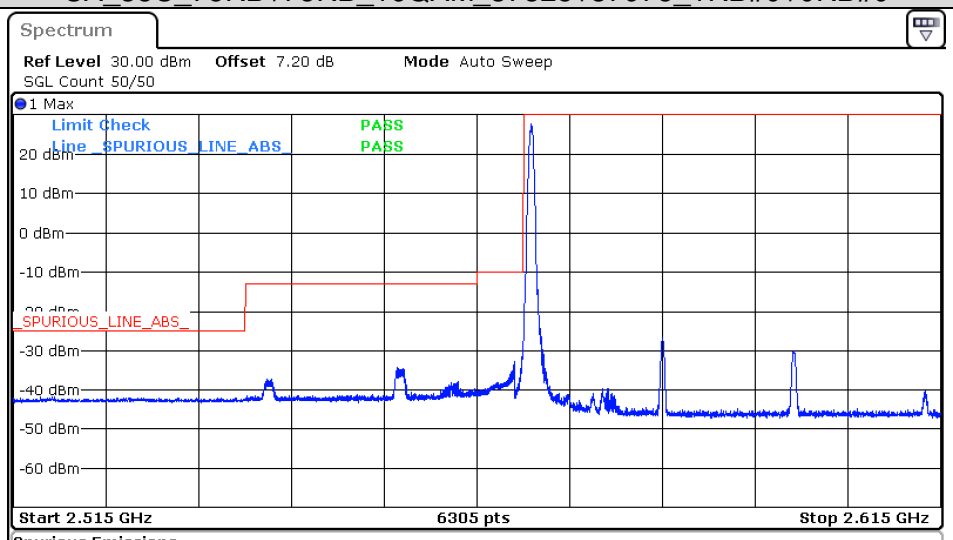

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.540 GHz	1.000 MHz	2.51938 GHz	-41.87 dBm	-16.87 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.55645 GHz	-34.31 dBm	-21.31 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56899 GHz	-32.78 dBm	-22.78 dB
2.569 GHz	2.570 GHz	300.000 kHz	2.56999 GHz	-27.71 dBm	-17.71 dB
2.570 GHz	2.615 GHz	300.000 kHz	2.57082 GHz	27.56 dBm	-2.44 dB

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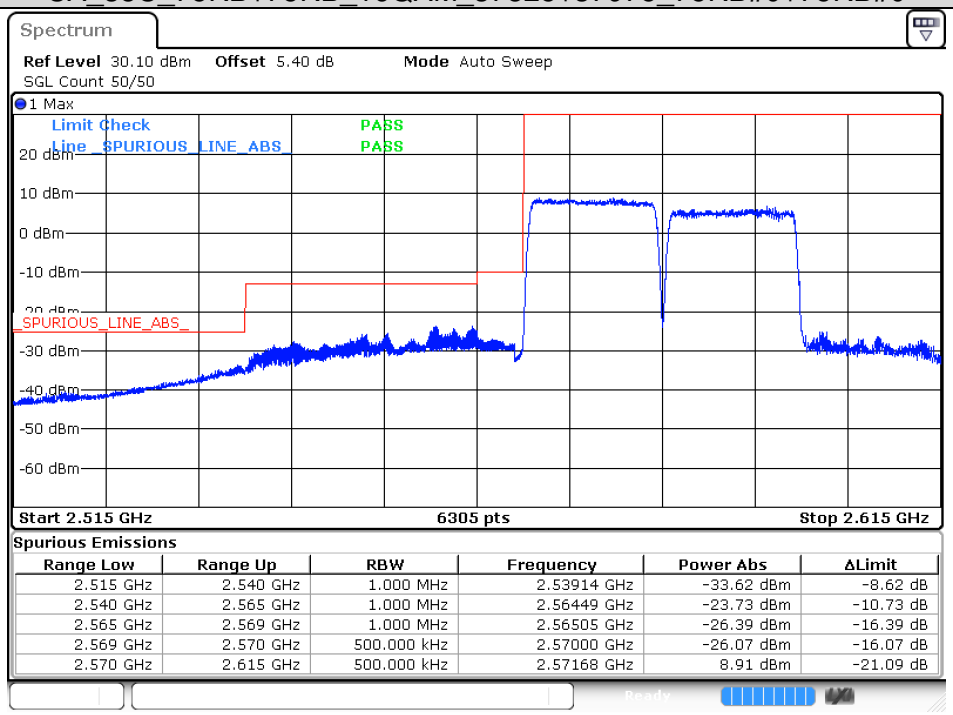

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.540 GHz	1.000 MHz	2.53914 GHz	-33.62 dBm	-8.62 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.56449 GHz	-23.73 dBm	-10.73 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56505 GHz	-26.39 dBm	-16.39 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.57000 GHz	-26.07 dBm	-16.07 dB
2.570 GHz	2.615 GHz	500.000 kHz	2.57168 GHz	8.91 dBm	-21.09 dB

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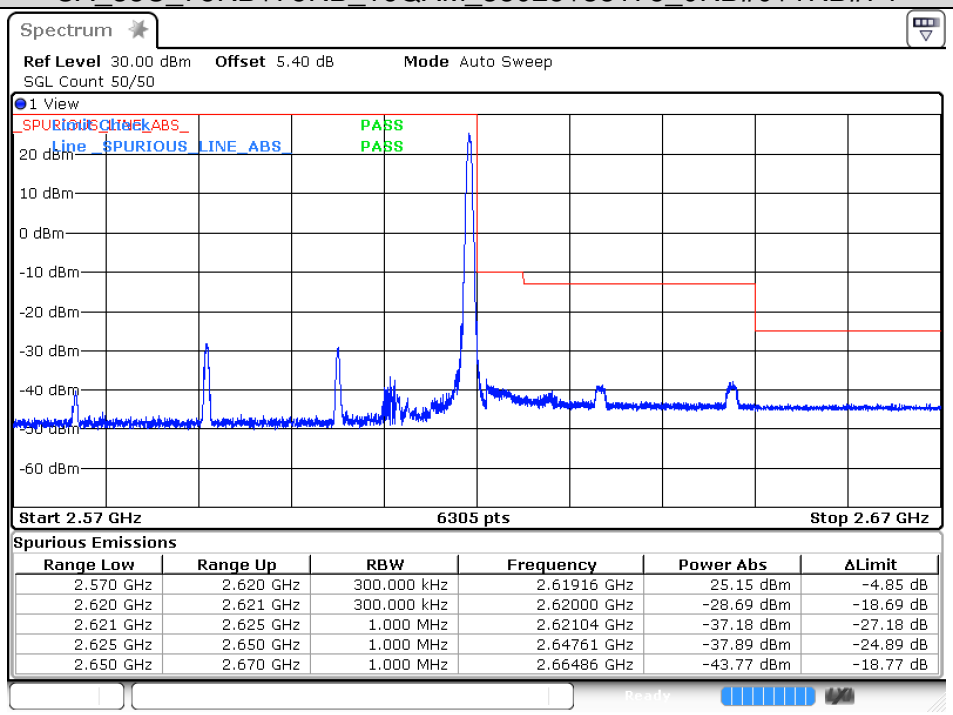

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	300.000 kHz	2.61916 GHz	25.15 dBm	-4.85 dB
2.620 GHz	2.621 GHz	300.000 kHz	2.62000 GHz	-28.69 dBm	-18.69 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62104 GHz	-37.18 dBm	-27.18 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.64761 GHz	-37.89 dBm	-24.89 dB
2.650 GHz	2.670 GHz	1.000 MHz	2.66486 GHz	-43.77 dBm	-18.77 dB

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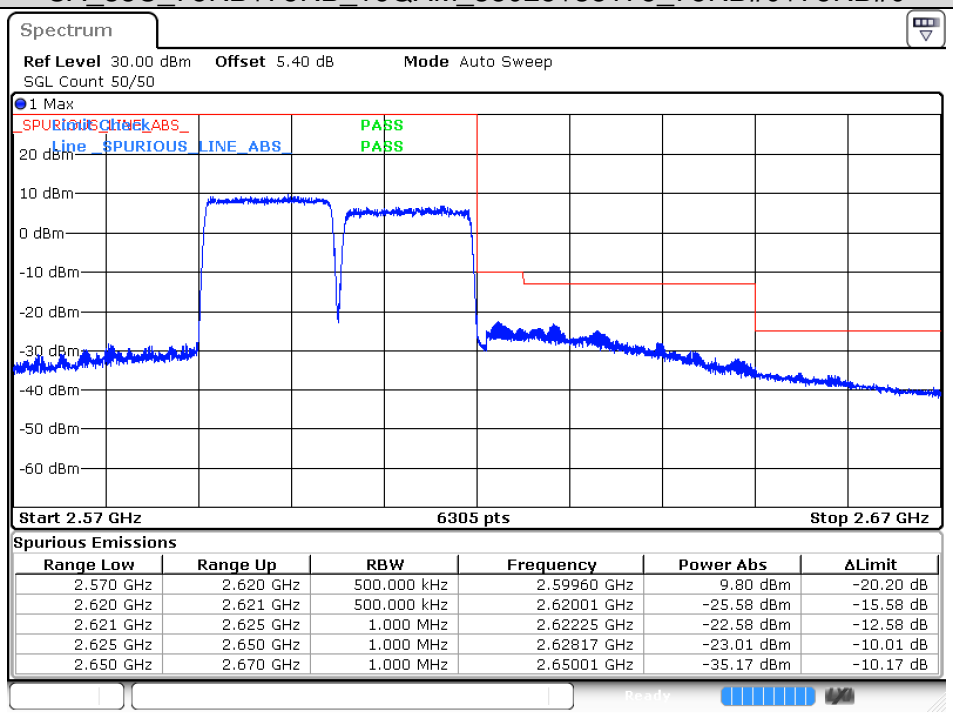

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	500.000 kHz	2.59960 GHz	9.80 dBm	-20.20 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62001 GHz	-25.58 dBm	-15.58 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62225 GHz	-22.58 dBm	-12.58 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.62817 GHz	-23.01 dBm	-10.01 dB
2.650 GHz	2.670 GHz	1.000 MHz	2.65001 GHz	-35.17 dBm	-10.17 dB

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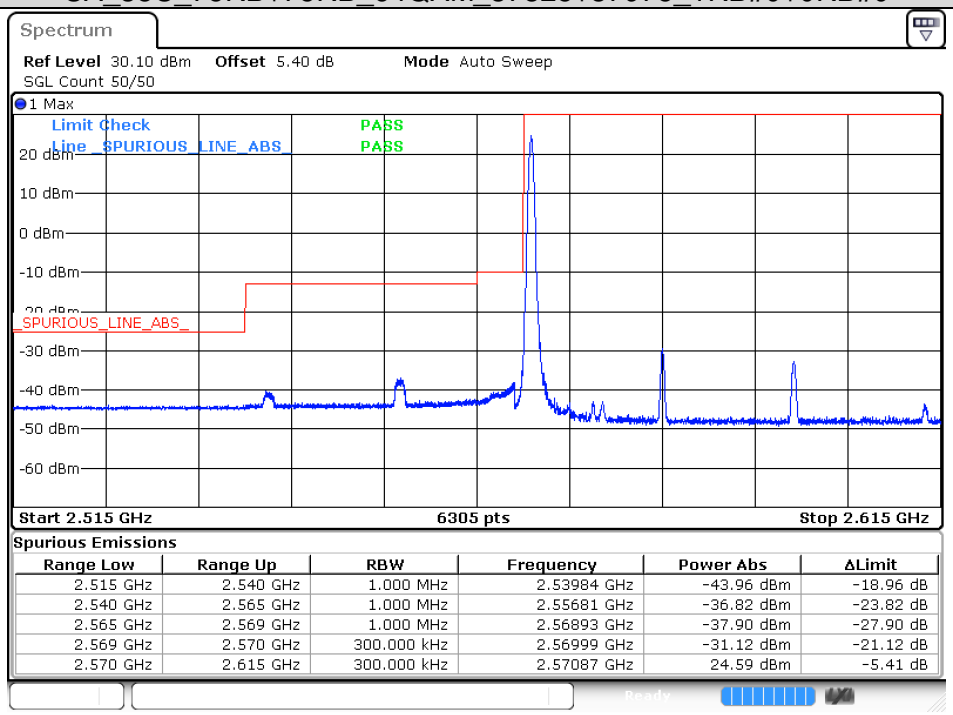

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.540 GHz	1.000 MHz	2.53984 GHz	-43.96 dBm	-18.96 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.55681 GHz	-36.82 dBm	-23.82 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56893 GHz	-37.90 dBm	-27.90 dB
2.569 GHz	2.570 GHz	300.000 kHz	2.56999 GHz	-31.12 dBm	-21.12 dB
2.570 GHz	2.615 GHz	300.000 kHz	2.57087 GHz	24.59 dBm	-5.41 dB

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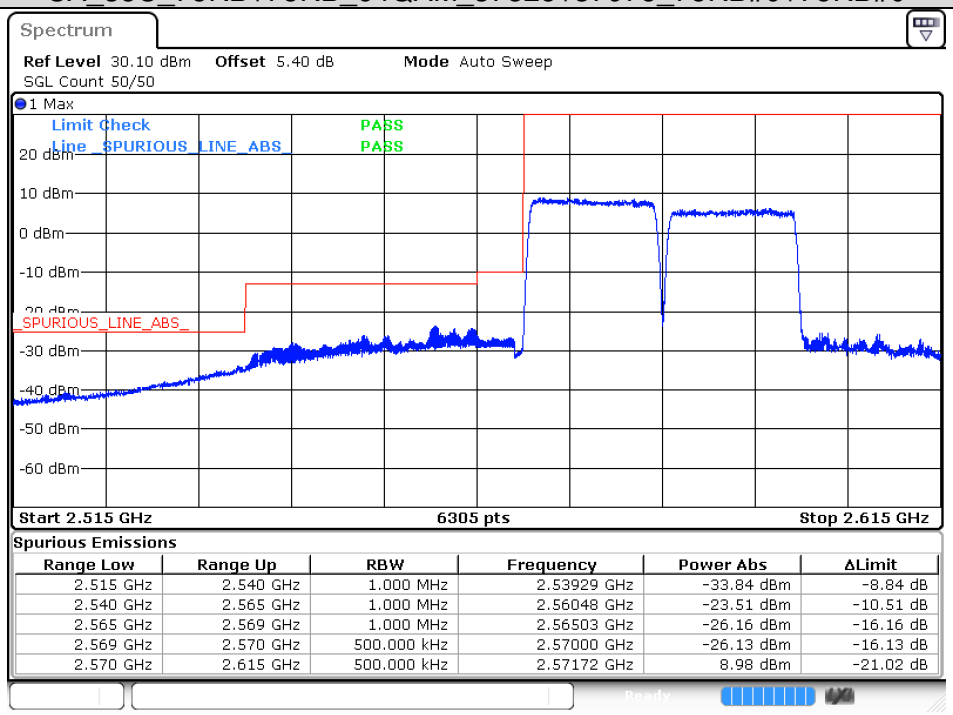

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.540 GHz	1.000 MHz	2.53929 GHz	-33.84 dBm	-8.84 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.56048 GHz	-23.51 dBm	-10.51 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56503 GHz	-26.16 dBm	-16.16 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.57000 GHz	-26.13 dBm	-16.13 dB
2.570 GHz	2.615 GHz	500.000 kHz	2.57172 GHz	8.98 dBm	-21.02 dB

Date: 6.DEC.2020 17:42:08

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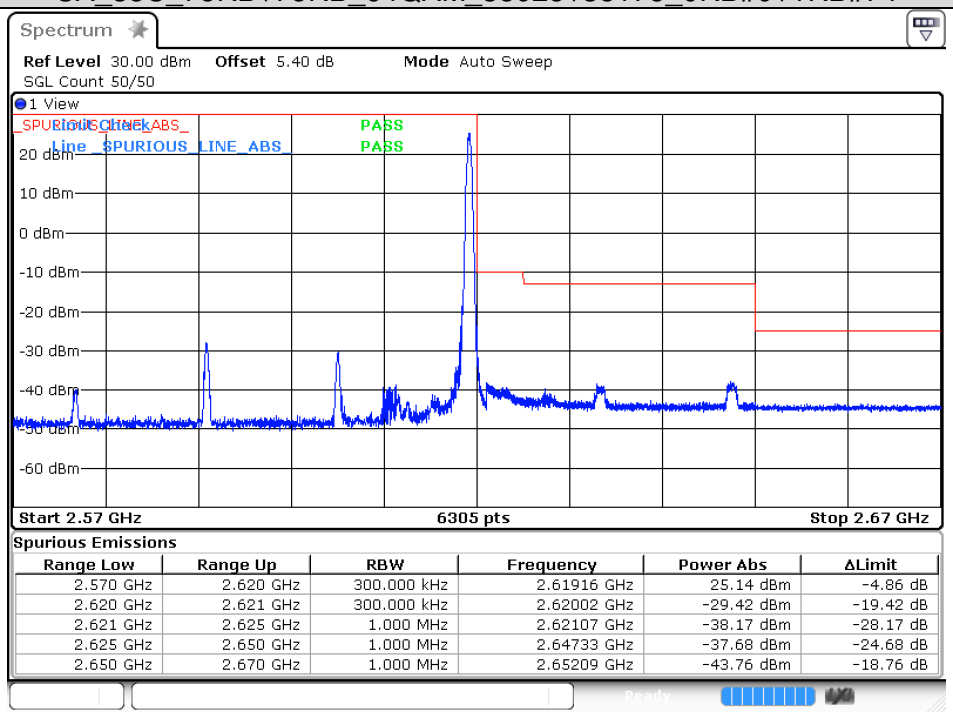

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	300.000 kHz	2.61916 GHz	25.14 dBm	-4.86 dB
2.620 GHz	2.621 GHz	300.000 kHz	2.62002 GHz	-29.42 dBm	-19.42 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62107 GHz	-38.17 dBm	-28.17 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.64733 GHz	-37.68 dBm	-24.68 dB
2.650 GHz	2.670 GHz	1.000 MHz	2.65209 GHz	-43.76 dBm	-18.76 dB

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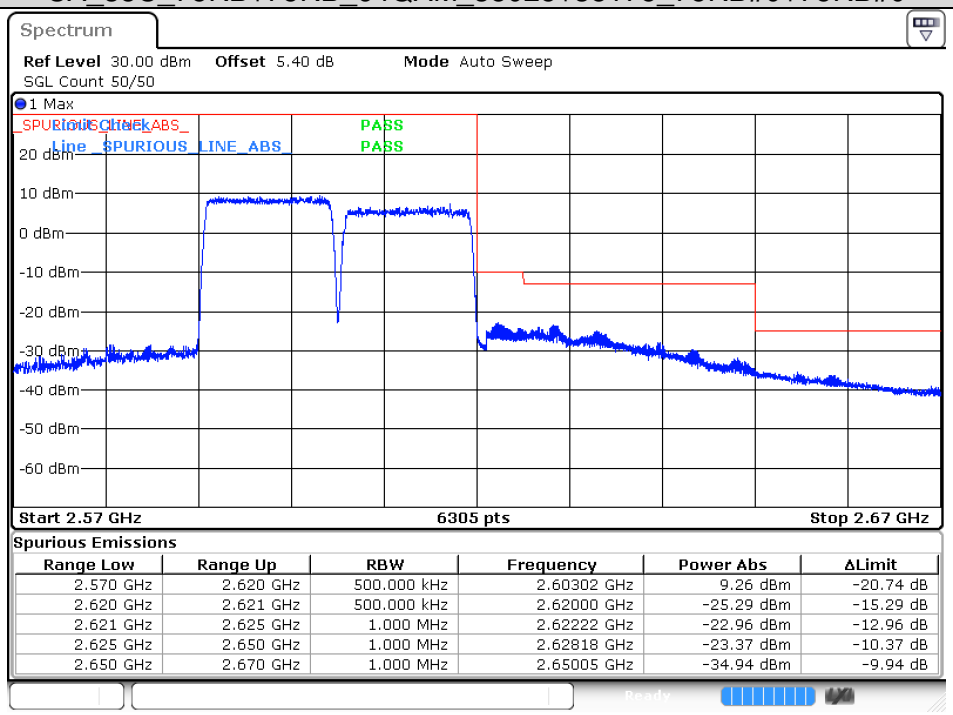

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	500.000 kHz	2.60302 GHz	9.26 dBm	-20.74 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62000 GHz	-25.29 dBm	-15.29 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62222 GHz	-22.96 dBm	-12.96 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.62818 GHz	-23.37 dBm	-10.37 dB
2.650 GHz	2.670 GHz	1.000 MHz	2.65005 GHz	-34.94 dBm	-9.94 dB

Date: 6.DEC.2020 17:46:47

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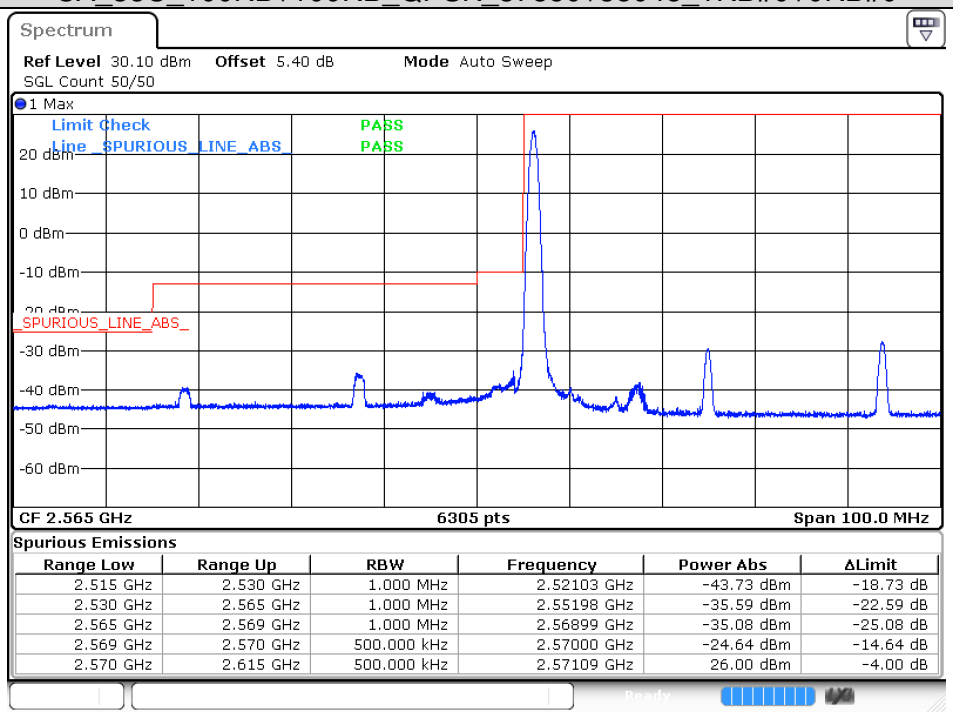

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.530 GHz	1.000 MHz	2.52103 GHz	-43.73 dBm	-18.73 dB
2.530 GHz	2.565 GHz	1.000 MHz	2.55198 GHz	-35.59 dBm	-22.59 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56899 GHz	-35.08 dBm	-25.08 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.57000 GHz	-24.64 dBm	-14.64 dB
2.570 GHz	2.615 GHz	500.000 kHz	2.57109 GHz	26.00 dBm	-4.00 dB

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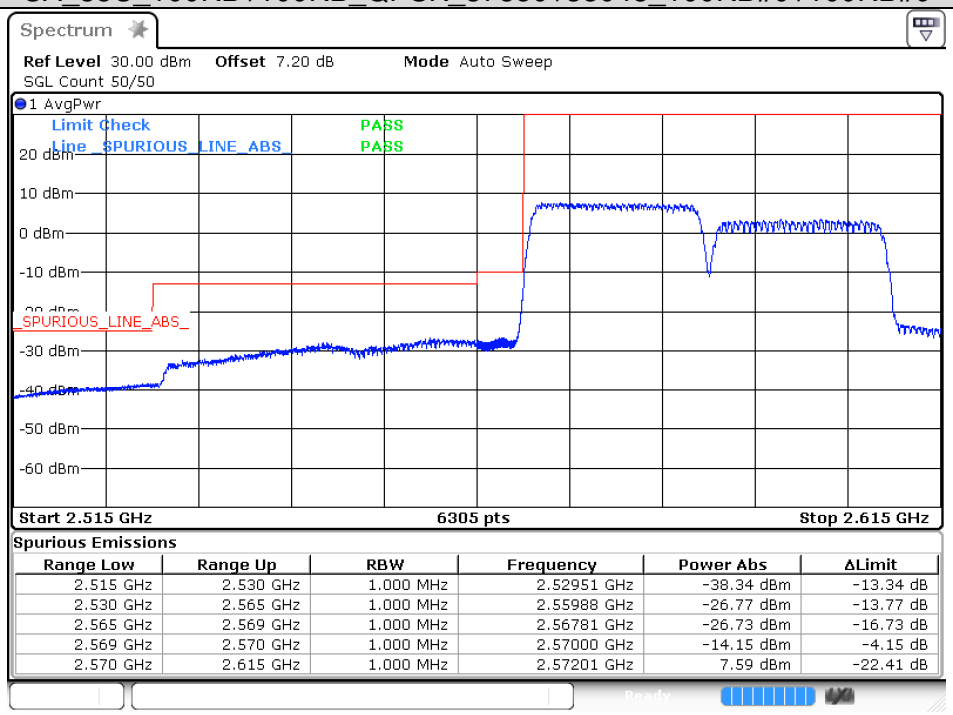
CA_38C_100RB+100RB_QPSK_37850+38048_100RB#0+100RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.530 GHz	1.000 MHz	2.52951 GHz	-38.34 dBm	-13.34 dB
2.530 GHz	2.565 GHz	1.000 MHz	2.55988 GHz	-26.77 dBm	-13.77 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56781 GHz	-26.73 dBm	-16.73 dB
2.569 GHz	2.570 GHz	1.000 MHz	2.57000 GHz	-14.15 dBm	-4.15 dB
2.570 GHz	2.615 GHz	1.000 MHz	2.57201 GHz	7.59 dBm	-22.41 dB

Date: 6.DEC.2020 18:05:05

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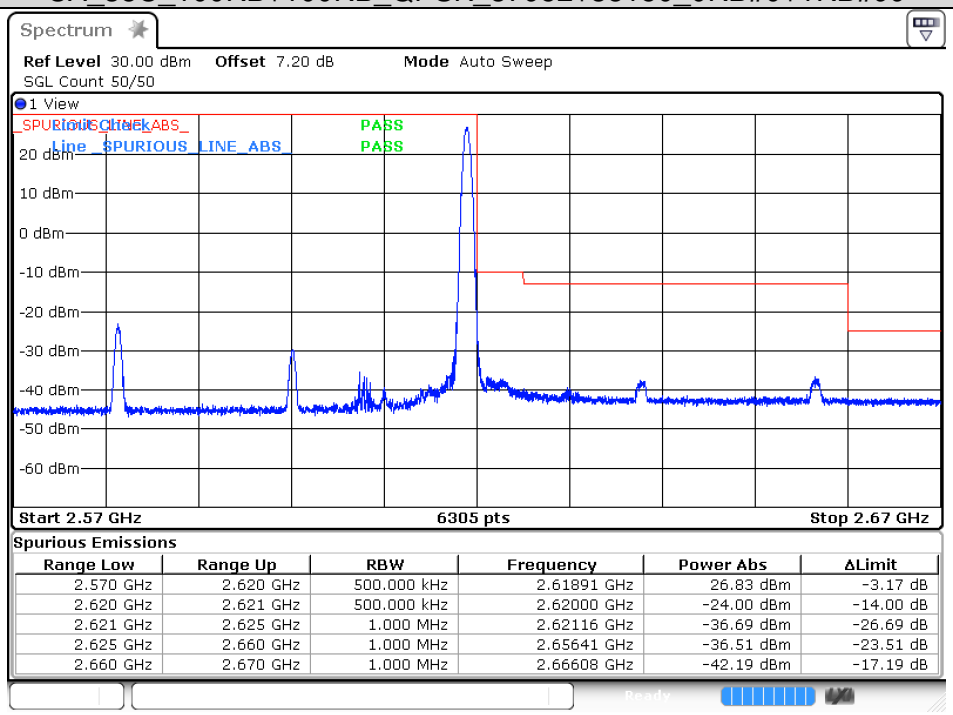

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	500.000 kHz	2.61891 GHz	26.83 dBm	-3.17 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62000 GHz	-24.00 dBm	-14.00 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62116 GHz	-36.69 dBm	-26.69 dB
2.625 GHz	2.660 GHz	1.000 MHz	2.65641 GHz	-36.51 dBm	-23.51 dB
2.660 GHz	2.670 GHz	1.000 MHz	2.66608 GHz	-42.19 dBm	-17.19 dB

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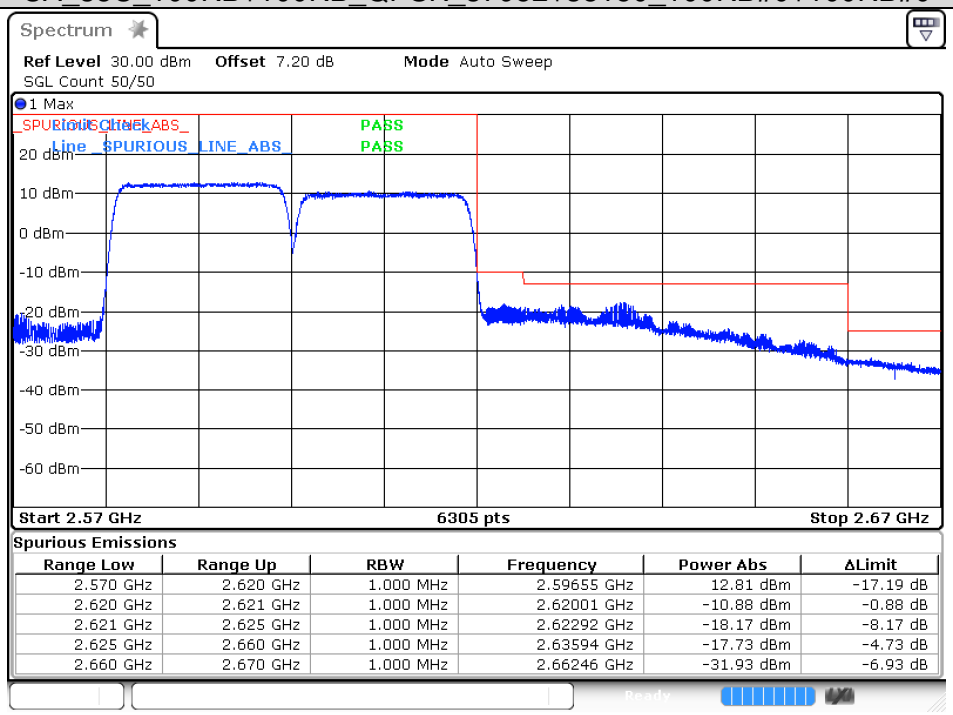

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	1.000 MHz	2.59655 GHz	12.81 dBm	-17.19 dB
2.620 GHz	2.621 GHz	1.000 MHz	2.62001 GHz	-10.88 dBm	-0.88 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62292 GHz	-18.17 dBm	-8.17 dB
2.625 GHz	2.660 GHz	1.000 MHz	2.63594 GHz	-17.73 dBm	-4.73 dB
2.660 GHz	2.670 GHz	1.000 MHz	2.66246 GHz	-31.93 dBm	-6.93 dB

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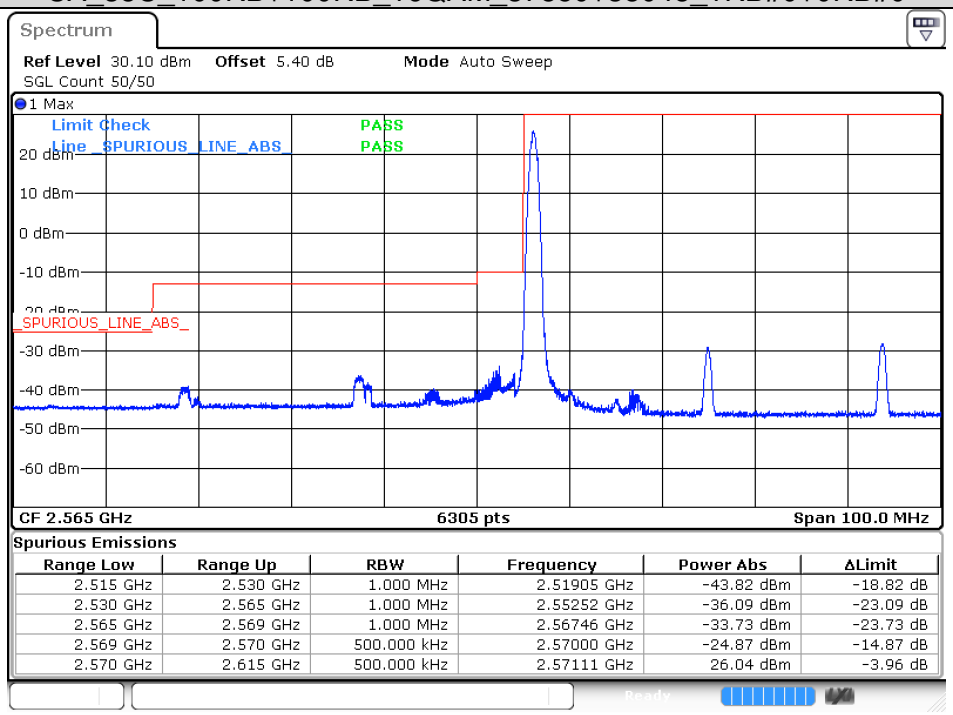

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.530 GHz	1.000 MHz	2.51905 GHz	-43.82 dBm	-18.82 dB
2.530 GHz	2.565 GHz	1.000 MHz	2.55252 GHz	-36.09 dBm	-23.09 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56746 GHz	-33.73 dBm	-23.73 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.57000 GHz	-24.87 dBm	-14.87 dB
2.570 GHz	2.615 GHz	500.000 kHz	2.57111 GHz	26.04 dBm	-3.96 dB

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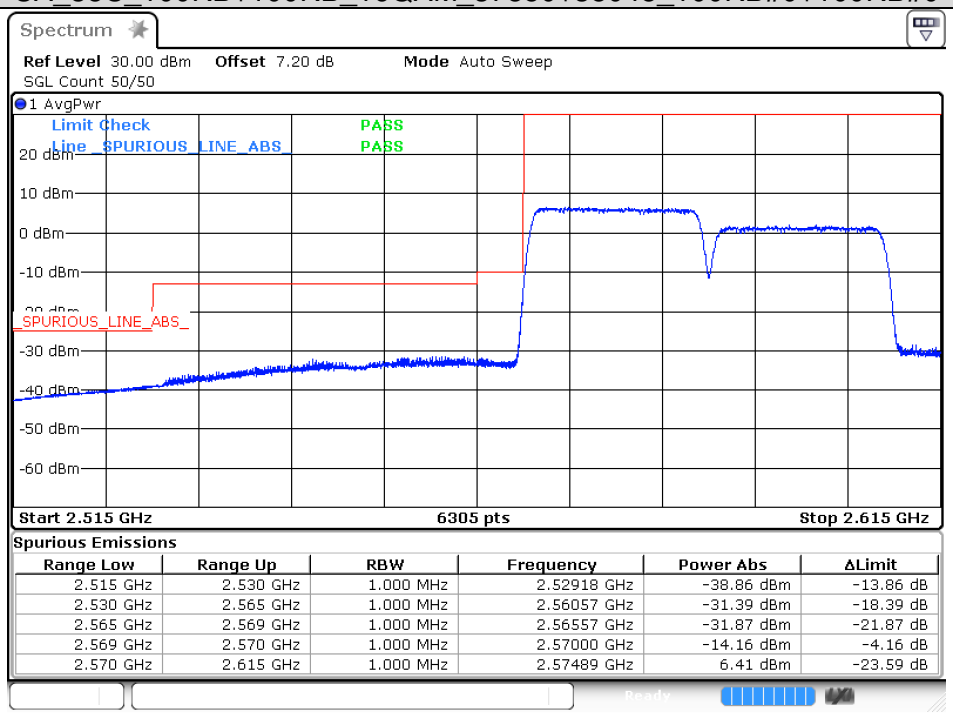

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.530 GHz	1.000 MHz	2.52918 GHz	-38.86 dBm	-13.86 dB
2.530 GHz	2.565 GHz	1.000 MHz	2.56057 GHz	-31.39 dBm	-18.39 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56557 GHz	-31.87 dBm	-21.87 dB
2.569 GHz	2.570 GHz	1.000 MHz	2.57000 GHz	-14.16 dBm	-4.16 dB
2.570 GHz	2.615 GHz	1.000 MHz	2.57489 GHz	6.41 dBm	-23.59 dB

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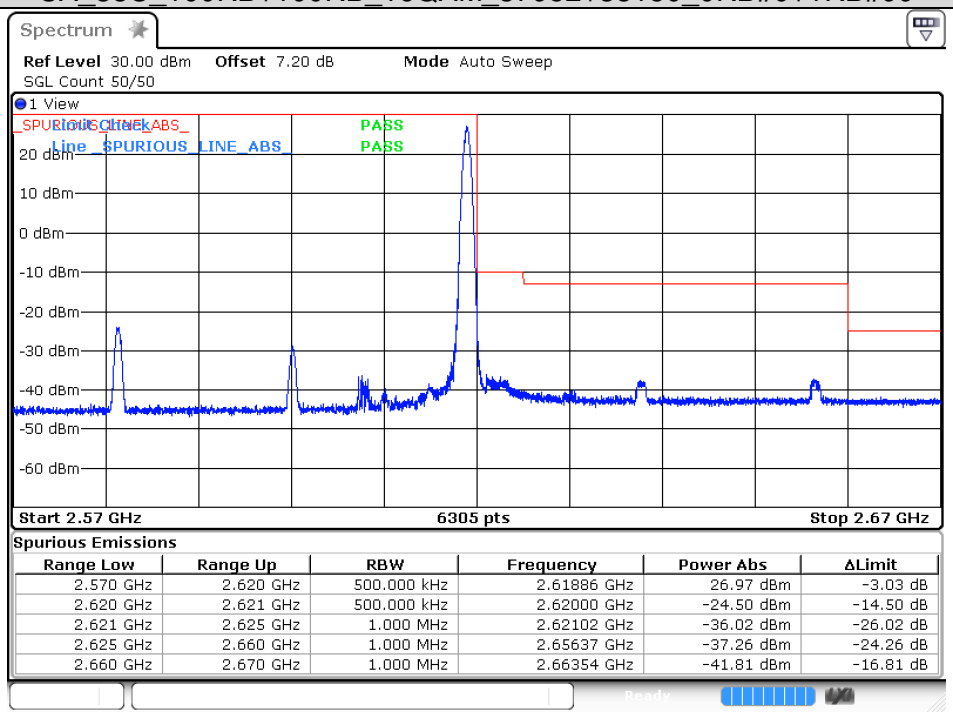

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	500.000 kHz	2.61886 GHz	26.97 dBm	-3.03 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62000 GHz	-24.50 dBm	-14.50 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62102 GHz	-36.02 dBm	-26.02 dB
2.625 GHz	2.660 GHz	1.000 MHz	2.65637 GHz	-37.26 dBm	-24.26 dB
2.660 GHz	2.670 GHz	1.000 MHz	2.66354 GHz	-41.81 dBm	-16.81 dB

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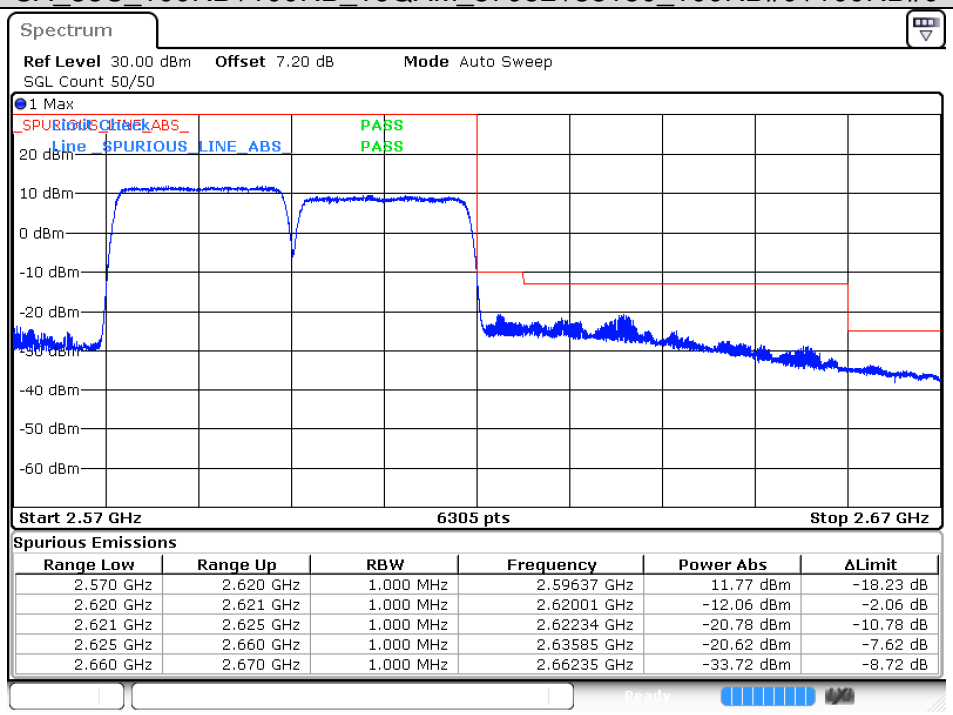

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	1.000 MHz	2.59637 GHz	11.77 dBm	-18.23 dB
2.620 GHz	2.621 GHz	1.000 MHz	2.62001 GHz	-12.06 dBm	-2.06 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62234 GHz	-20.78 dBm	-10.78 dB
2.625 GHz	2.660 GHz	1.000 MHz	2.63585 GHz	-20.62 dBm	-7.62 dB
2.660 GHz	2.670 GHz	1.000 MHz	2.66235 GHz	-33.72 dBm	-8.72 dB

Date: 6.DEC.2020 18:10:14

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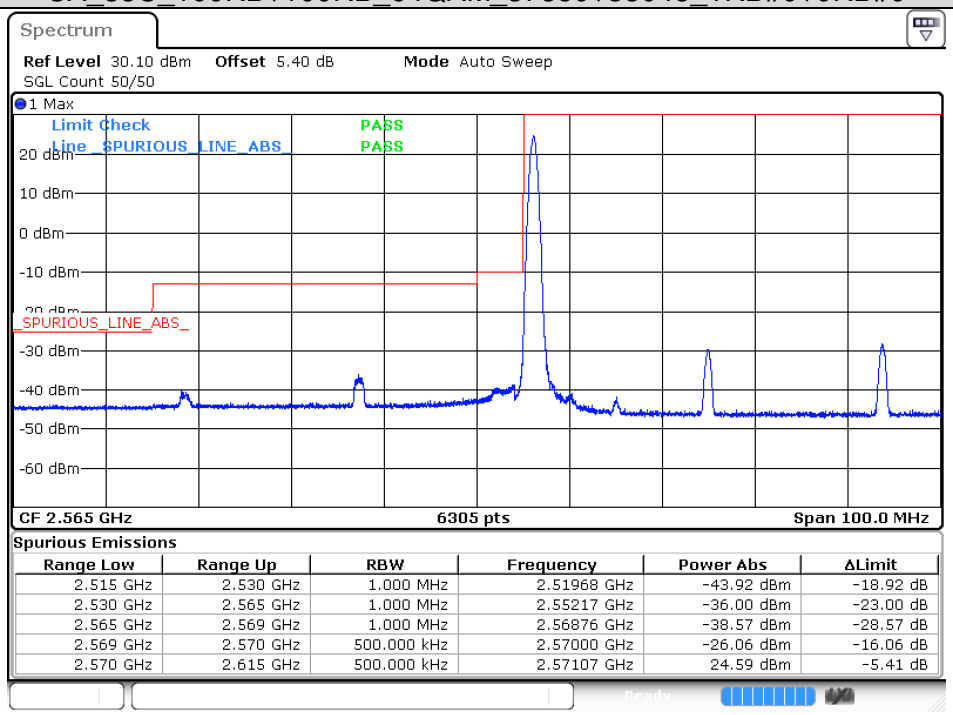

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.530 GHz	1.000 MHz	2.51968 GHz	-43.92 dBm	-18.92 dB
2.530 GHz	2.565 GHz	1.000 MHz	2.55217 GHz	-36.00 dBm	-23.00 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56876 GHz	-38.57 dBm	-28.57 dB
2.569 GHz	2.570 GHz	500.000 kHz	2.57000 GHz	-26.06 dBm	-16.06 dB
2.570 GHz	2.615 GHz	500.000 kHz	2.57107 GHz	24.59 dBm	-5.41 dB

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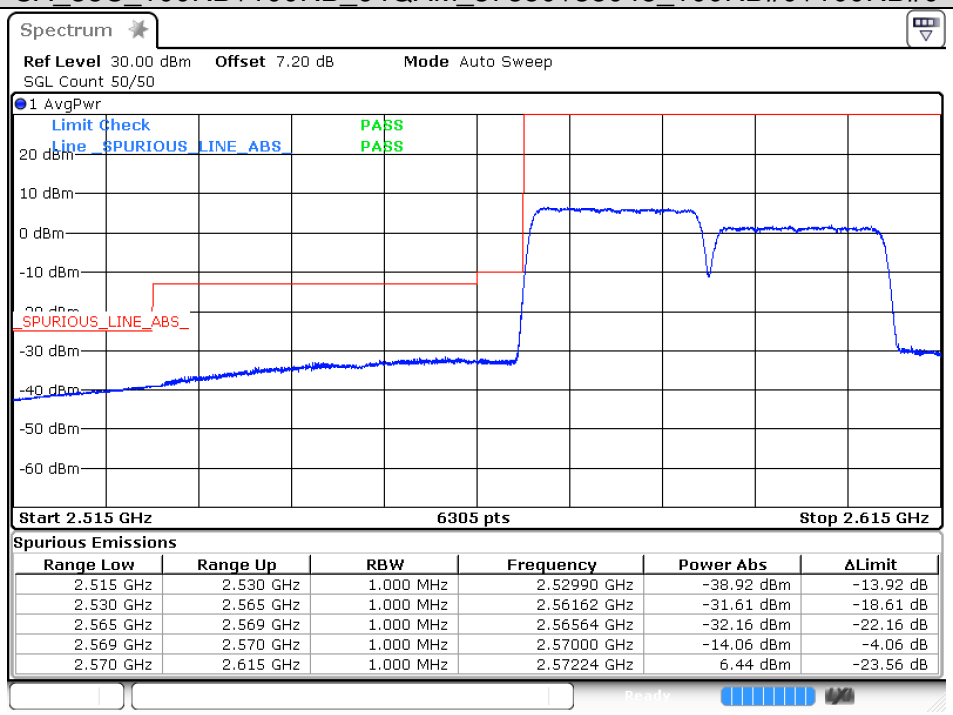

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.515 GHz	2.530 GHz	1.000 MHz	2.52990 GHz	-38.92 dBm	-13.92 dB
2.530 GHz	2.565 GHz	1.000 MHz	2.56162 GHz	-31.61 dBm	-18.61 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56564 GHz	-32.16 dBm	-22.16 dB
2.569 GHz	2.570 GHz	1.000 MHz	2.57000 GHz	-14.06 dBm	-4.06 dB
2.570 GHz	2.615 GHz	1.000 MHz	2.57224 GHz	6.44 dBm	-23.56 dB

Date: 6.DEC.2020 18:06:23

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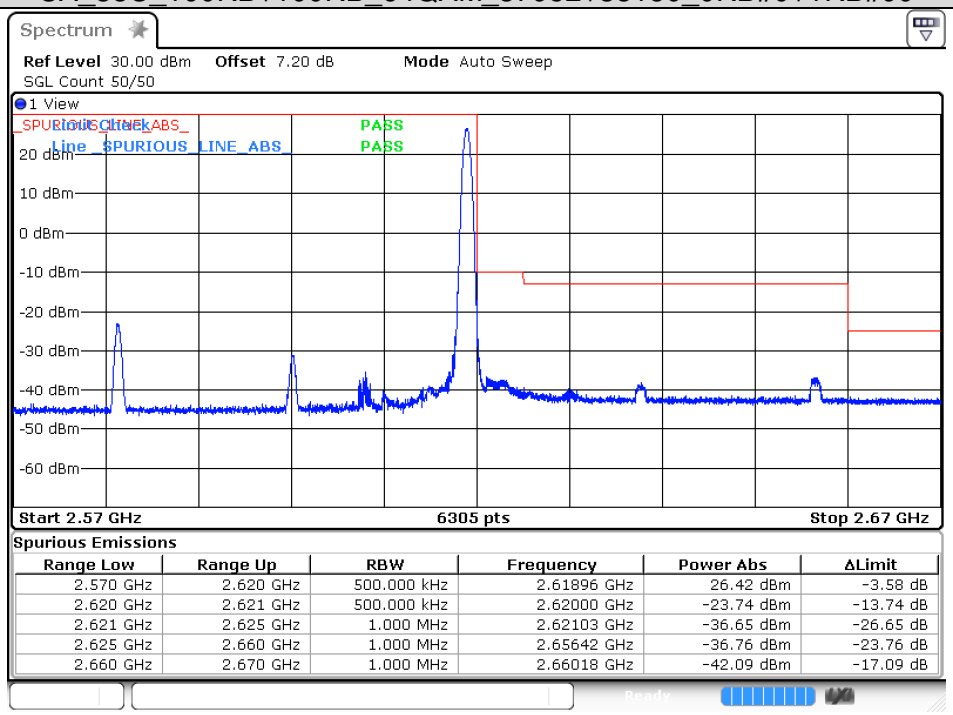

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	500.000 kHz	2.61896 GHz	26.42 dBm	-3.58 dB
2.620 GHz	2.621 GHz	500.000 kHz	2.62000 GHz	-23.74 dBm	-13.74 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62103 GHz	-36.65 dBm	-26.65 dB
2.625 GHz	2.660 GHz	1.000 MHz	2.65642 GHz	-36.76 dBm	-23.76 dB
2.660 GHz	2.670 GHz	1.000 MHz	2.66018 GHz	-42.09 dBm	-17.09 dB

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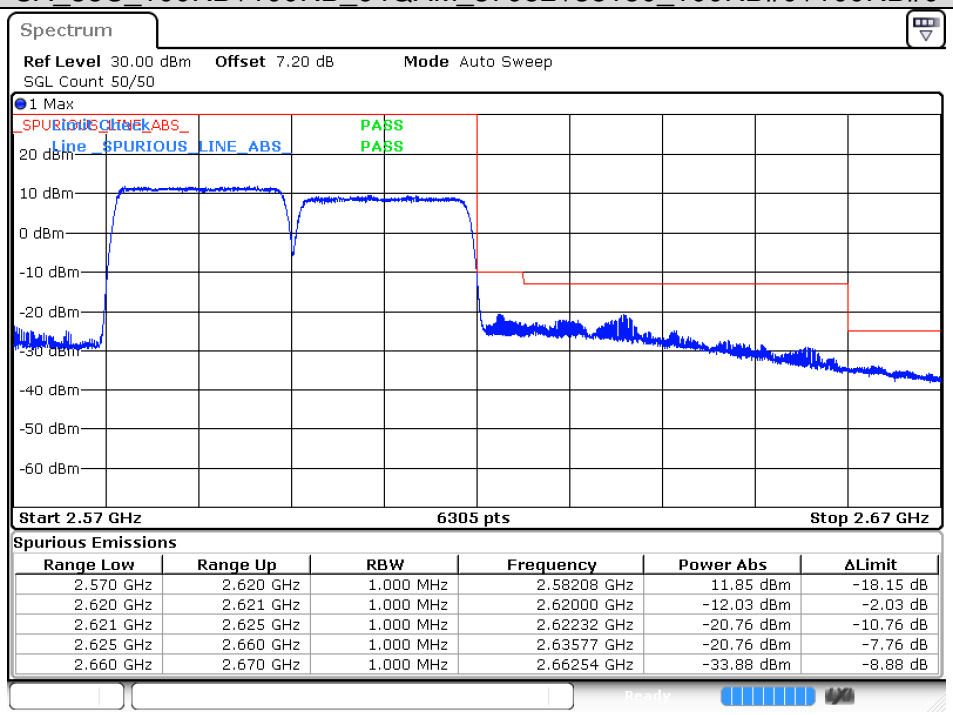

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.570 GHz	2.620 GHz	1.000 MHz	2.58208 GHz	11.85 dBm	-18.15 dB
2.620 GHz	2.621 GHz	1.000 MHz	2.62000 GHz	-12.03 dBm	-2.03 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62232 GHz	-20.76 dBm	-10.76 dB
2.625 GHz	2.660 GHz	1.000 MHz	2.63577 GHz	-20.76 dBm	-7.76 dB
2.660 GHz	2.670 GHz	1.000 MHz	2.66254 GHz	-33.88 dBm	-8.88 dB

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6 Spurious Emission at Antenna Terminal

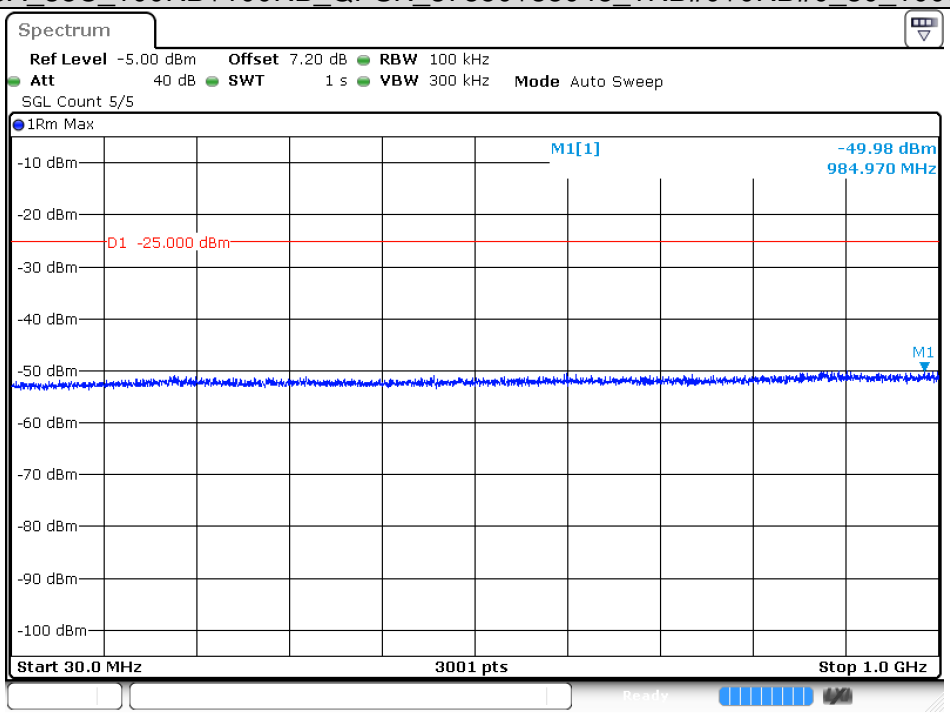
NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / 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

CA_38C_100RB+100RB_QPSK_37850+38048_1RB#0+0RB#0_30_1000



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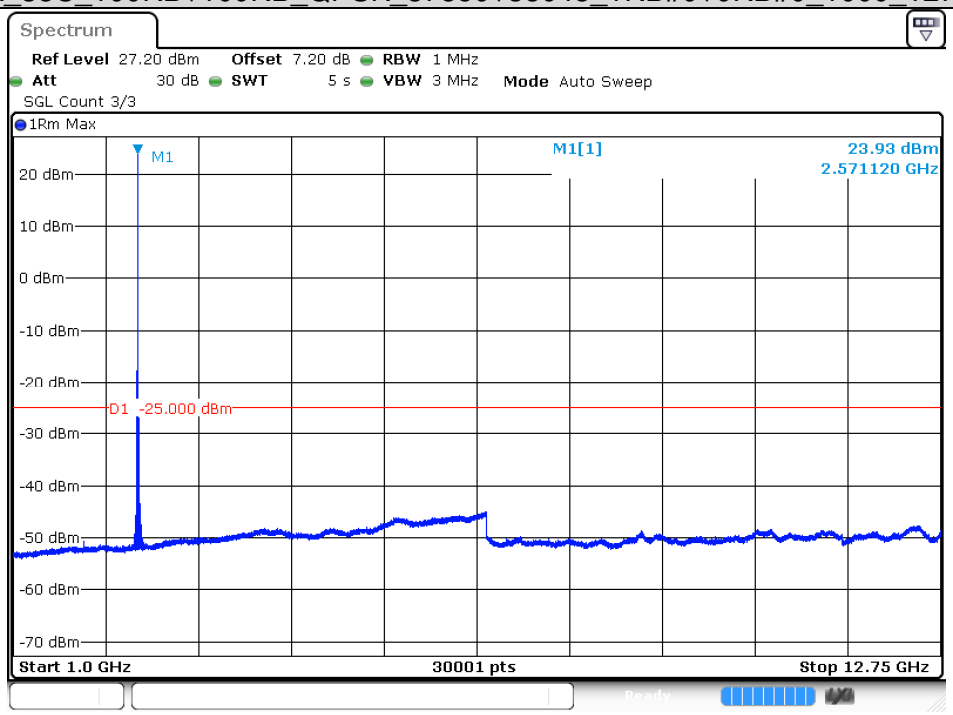

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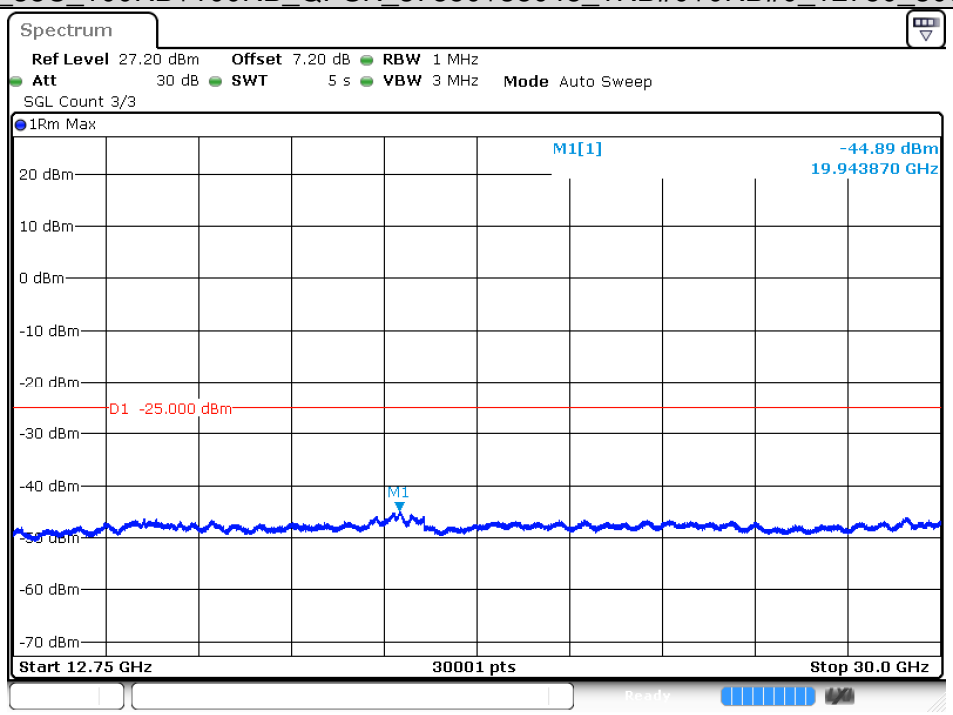

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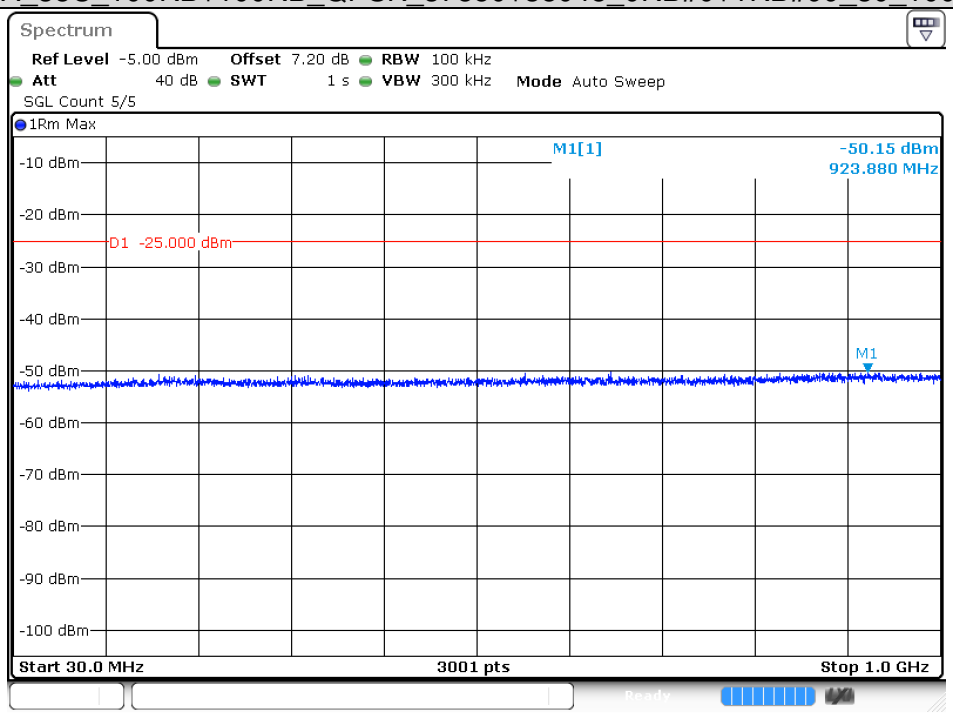

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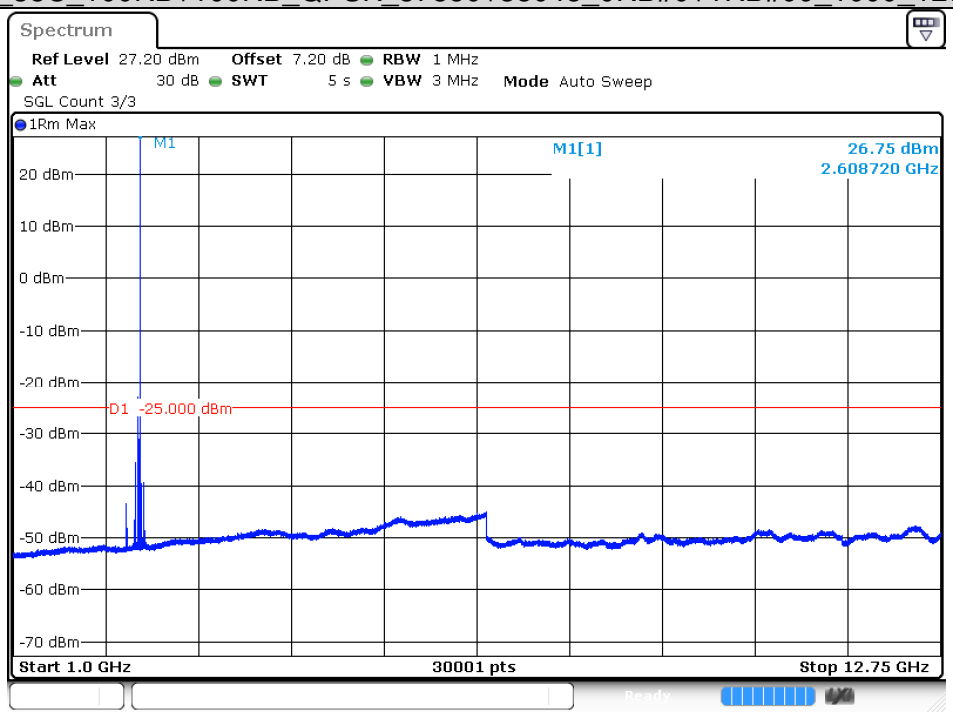

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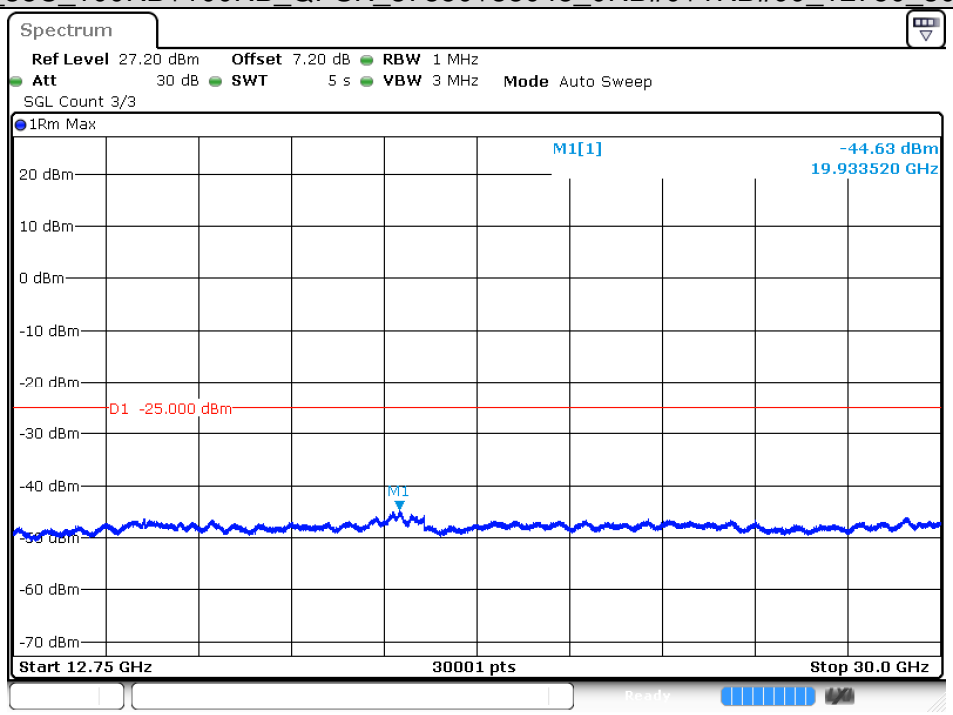

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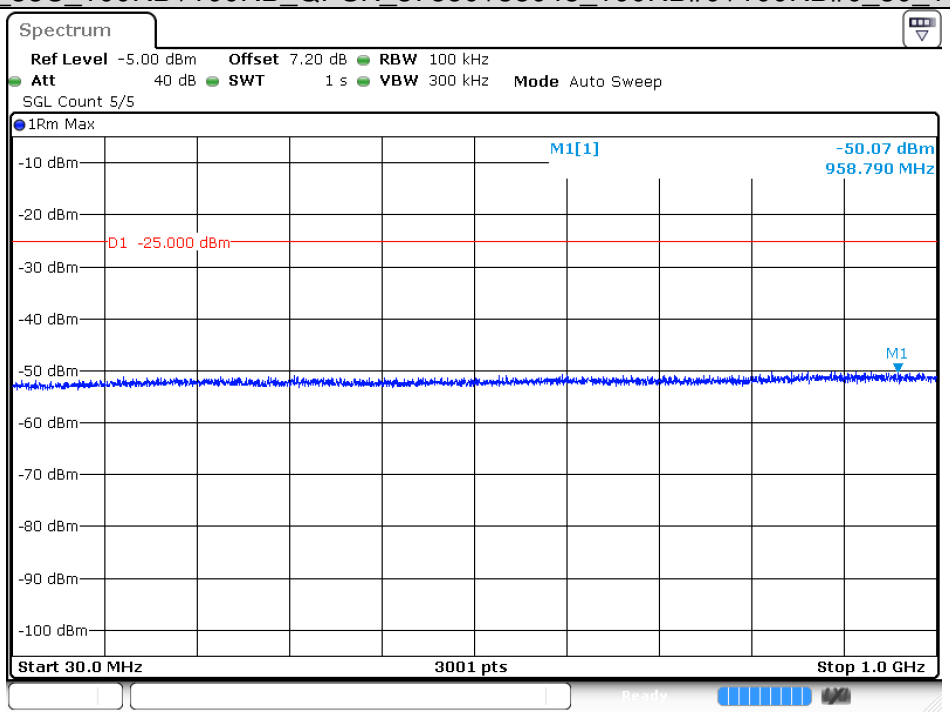

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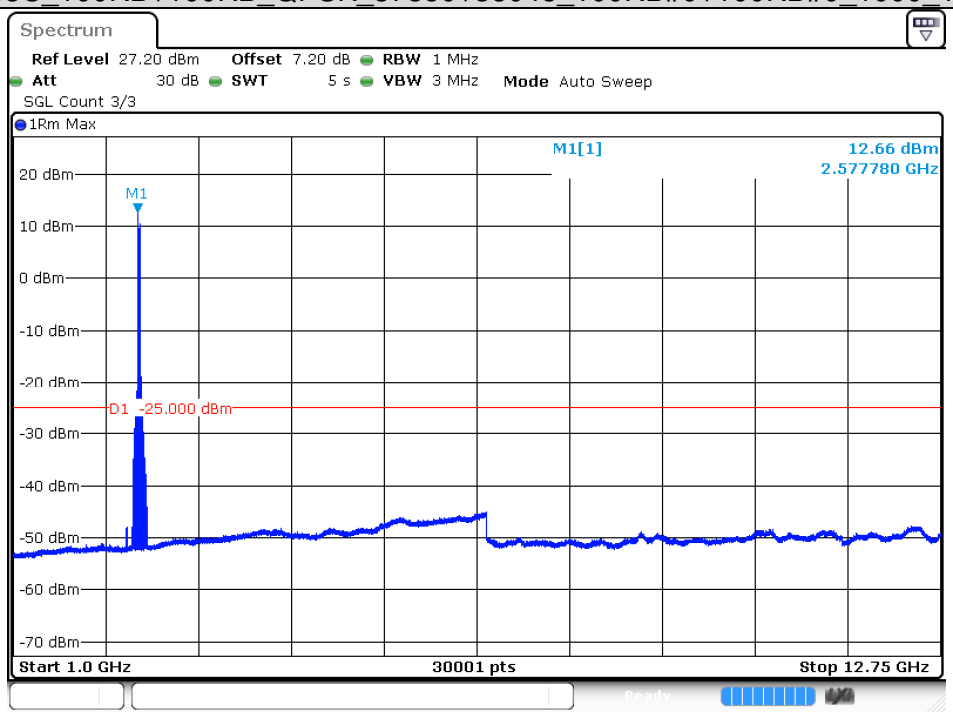

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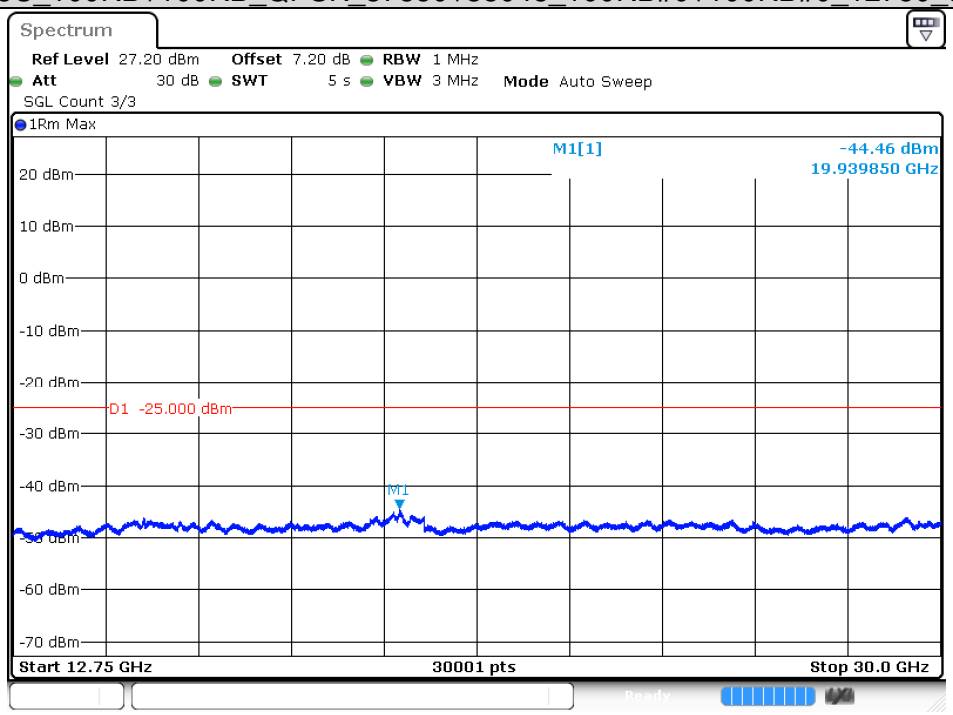

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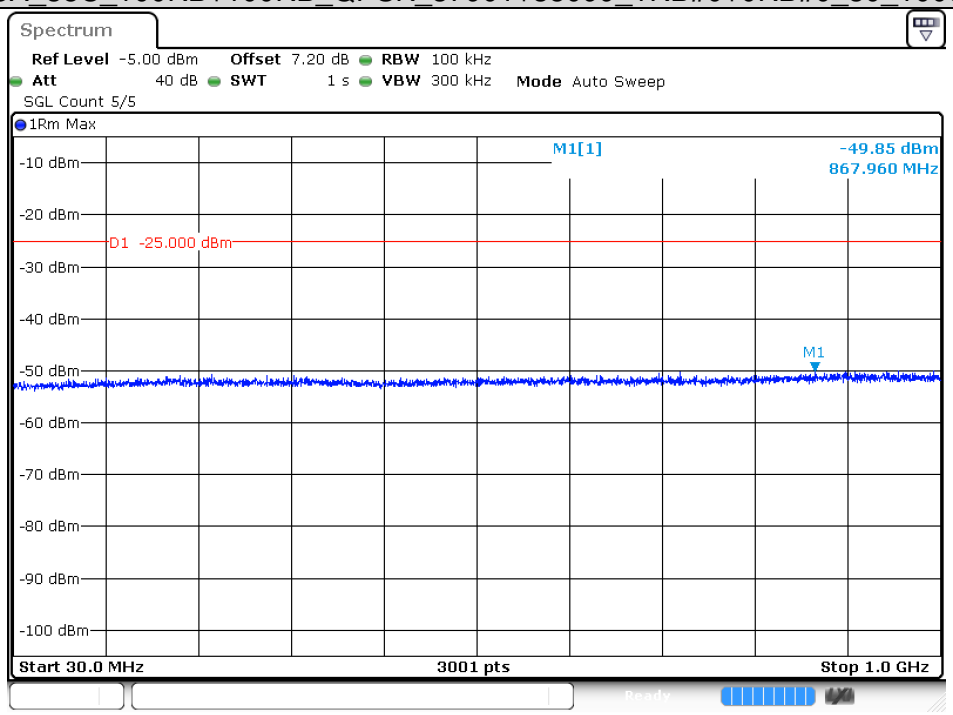

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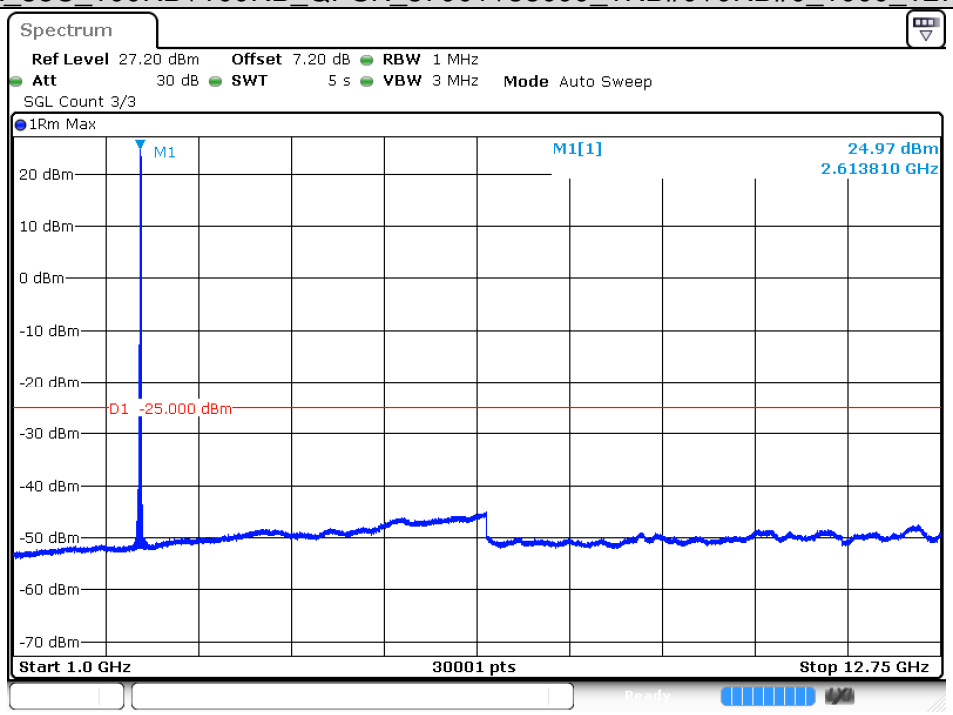

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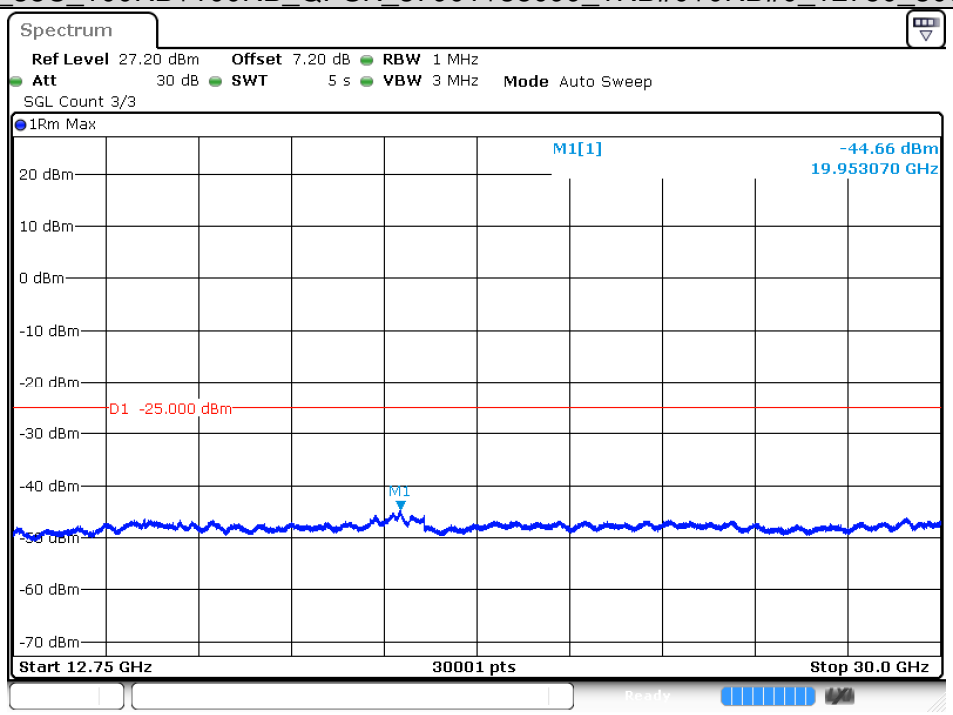

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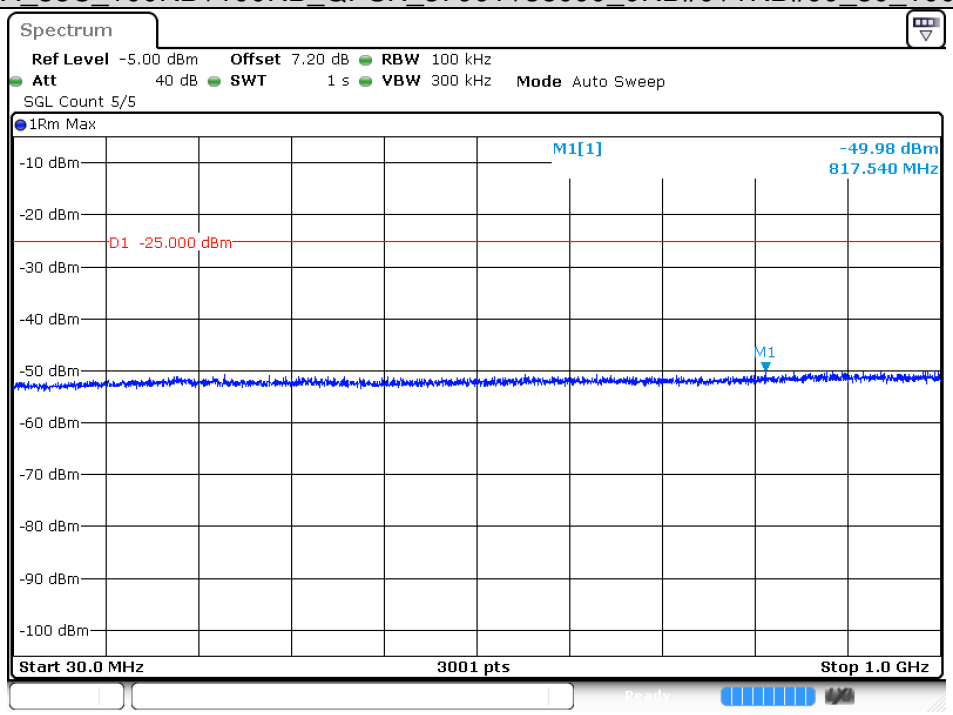

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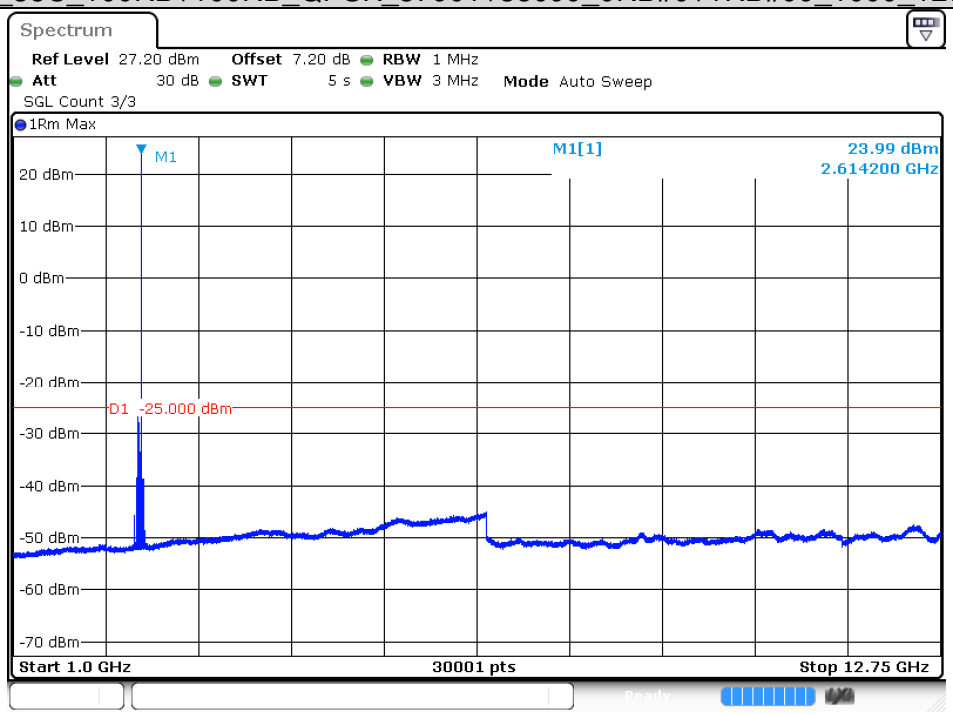

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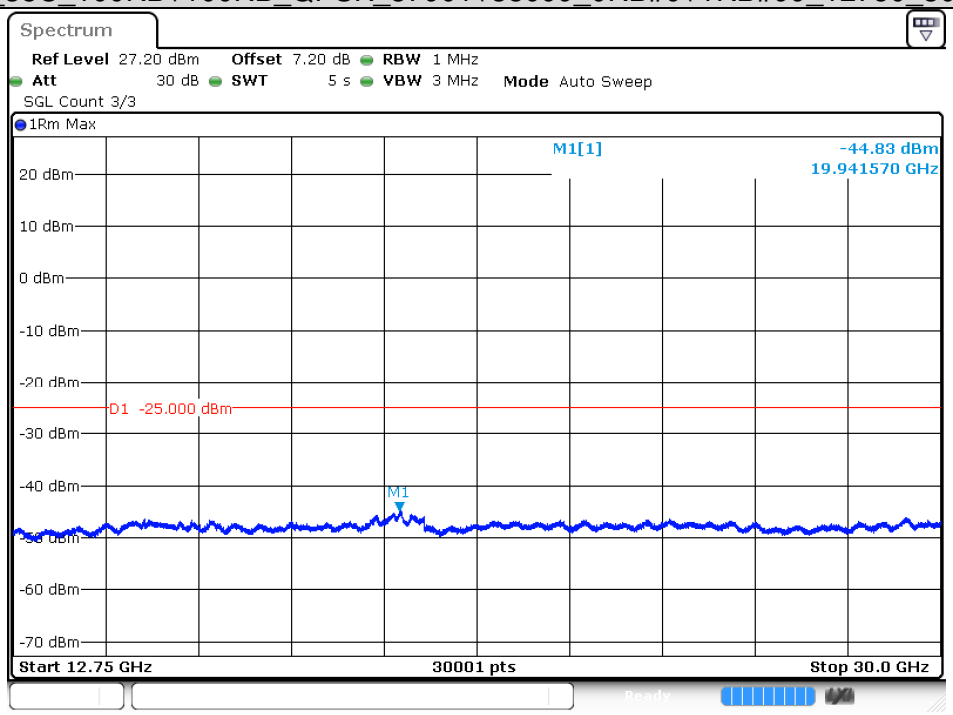

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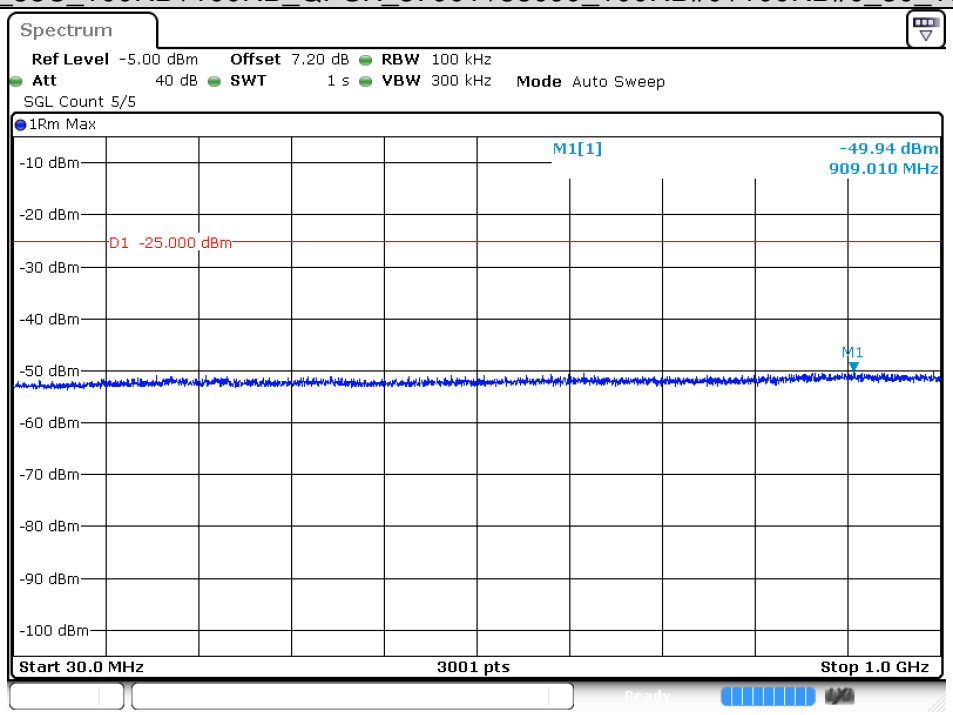

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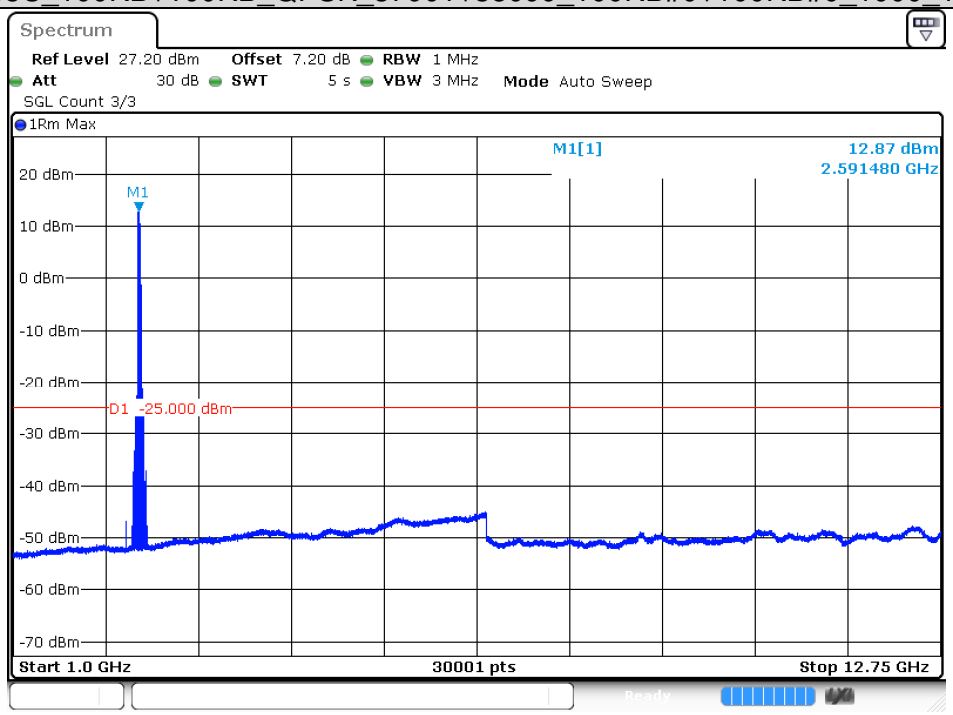

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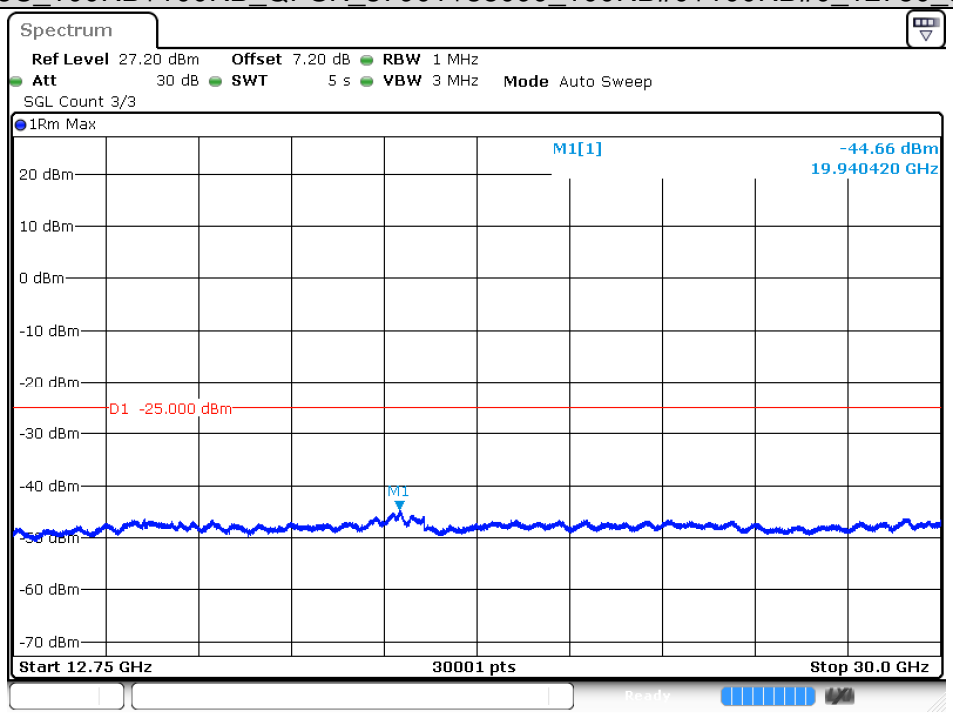

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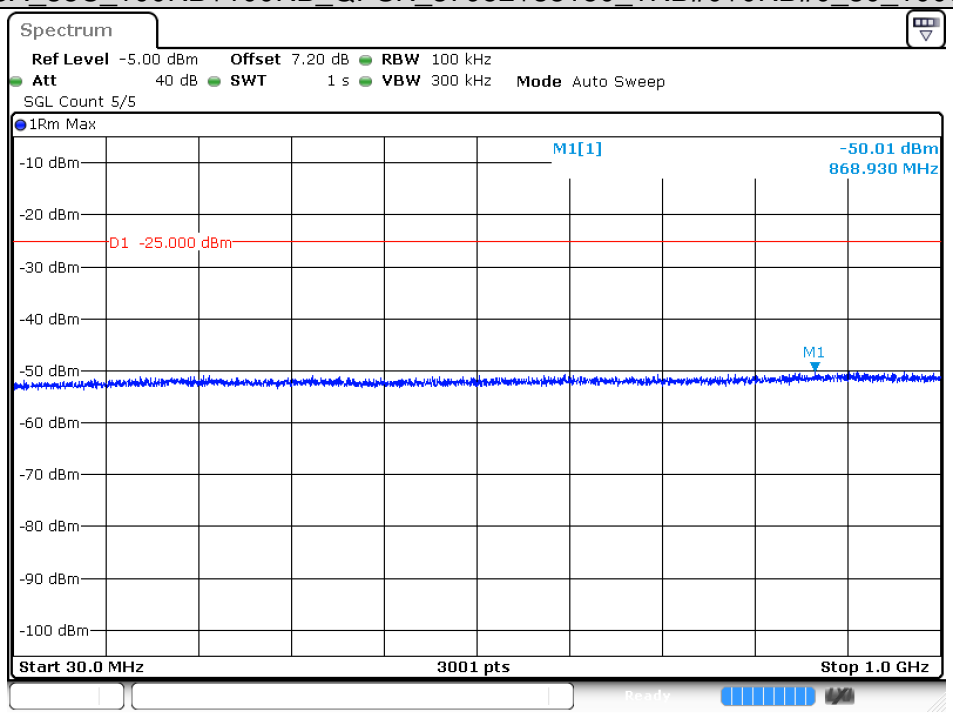

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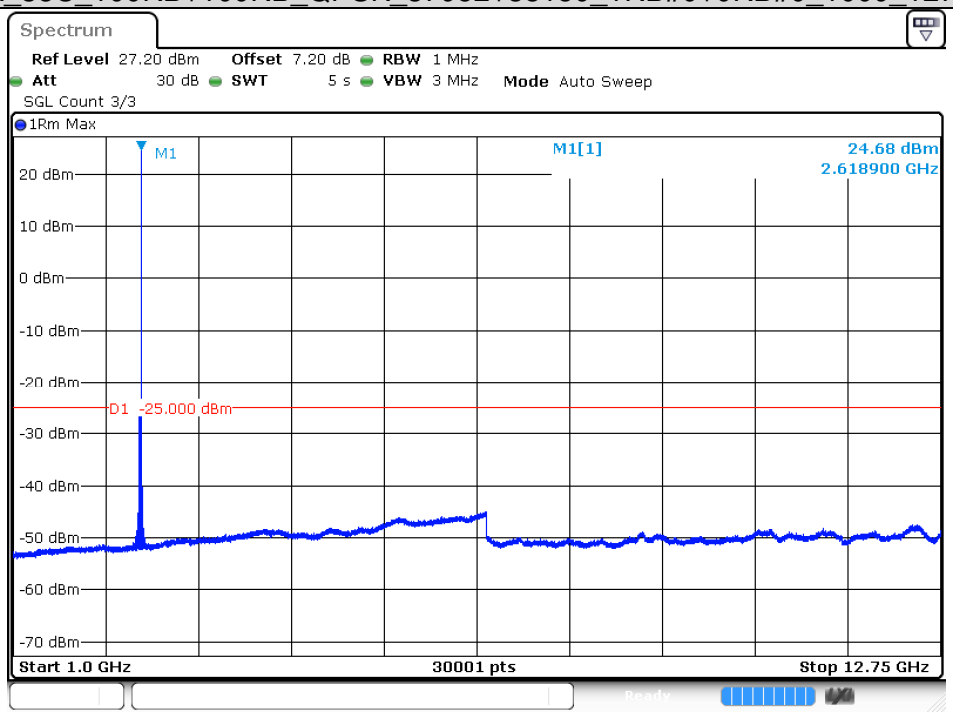

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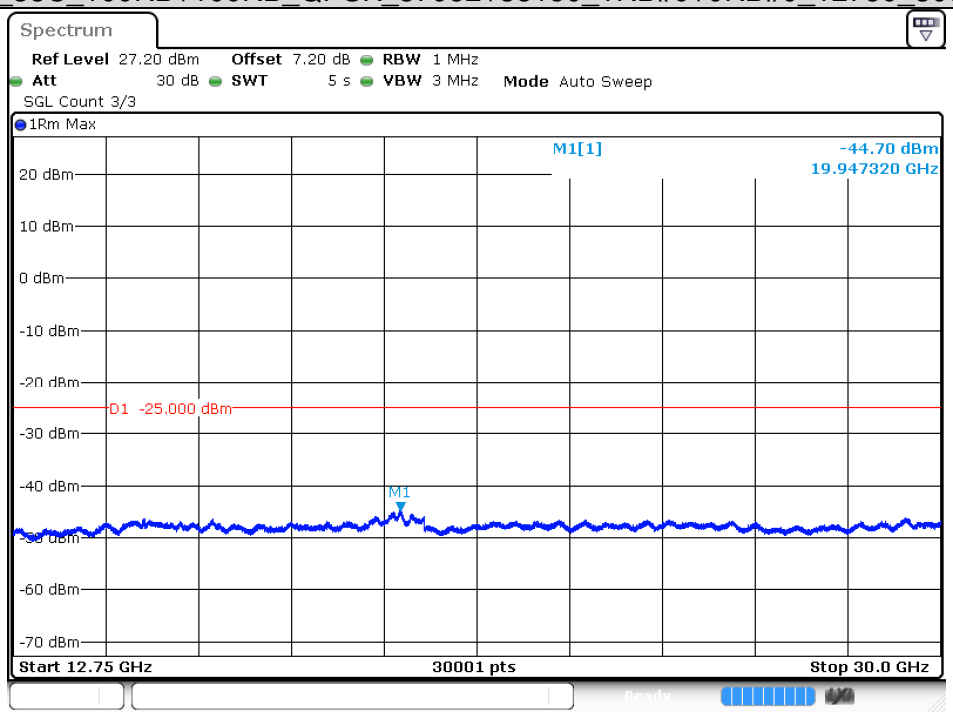

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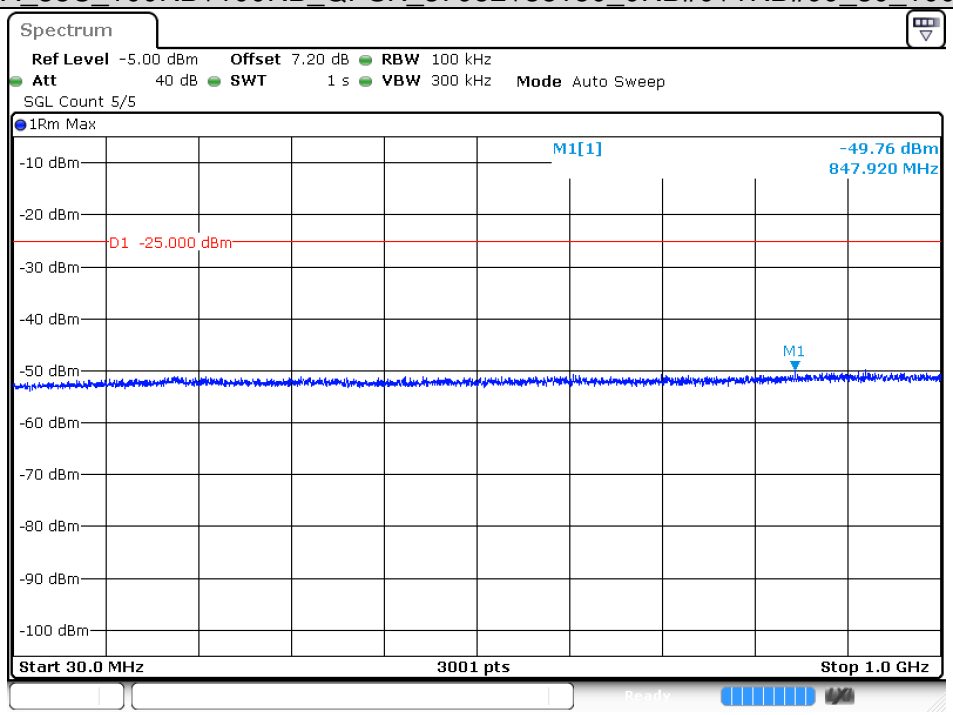

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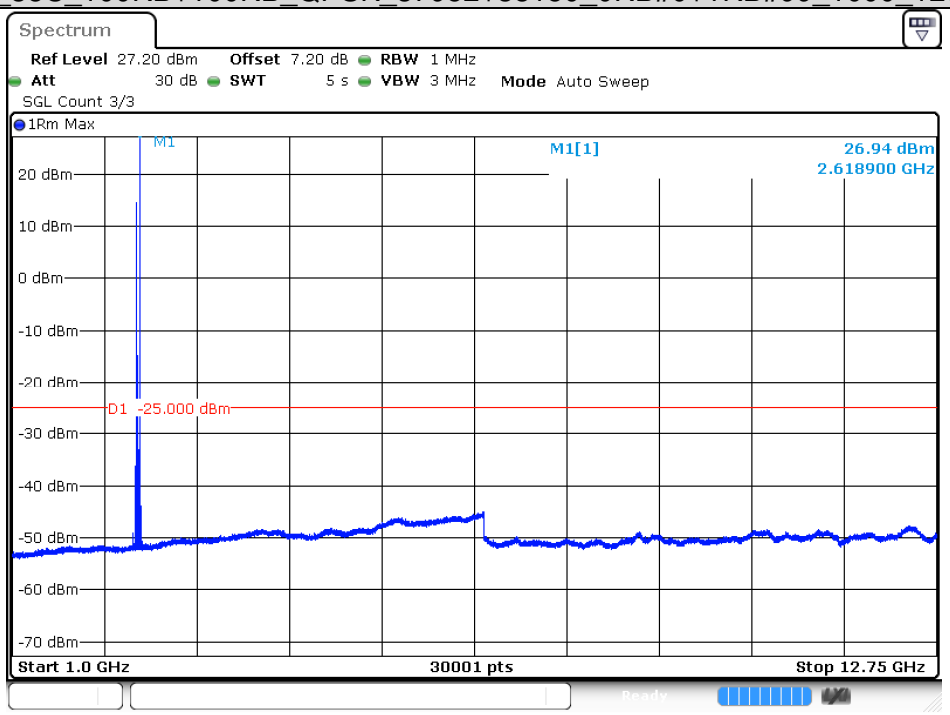

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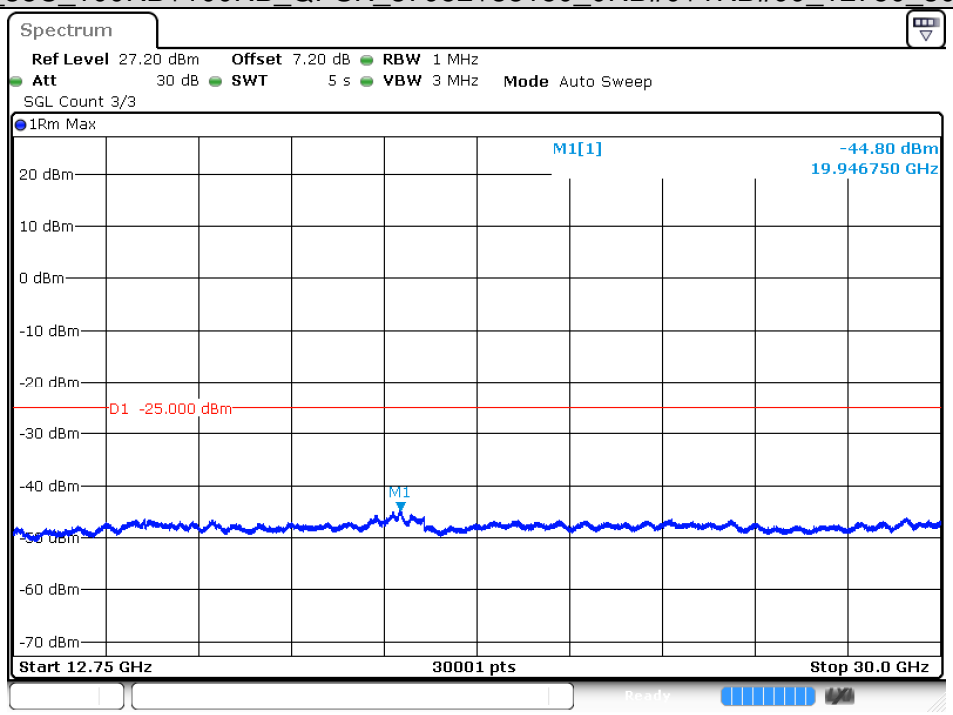

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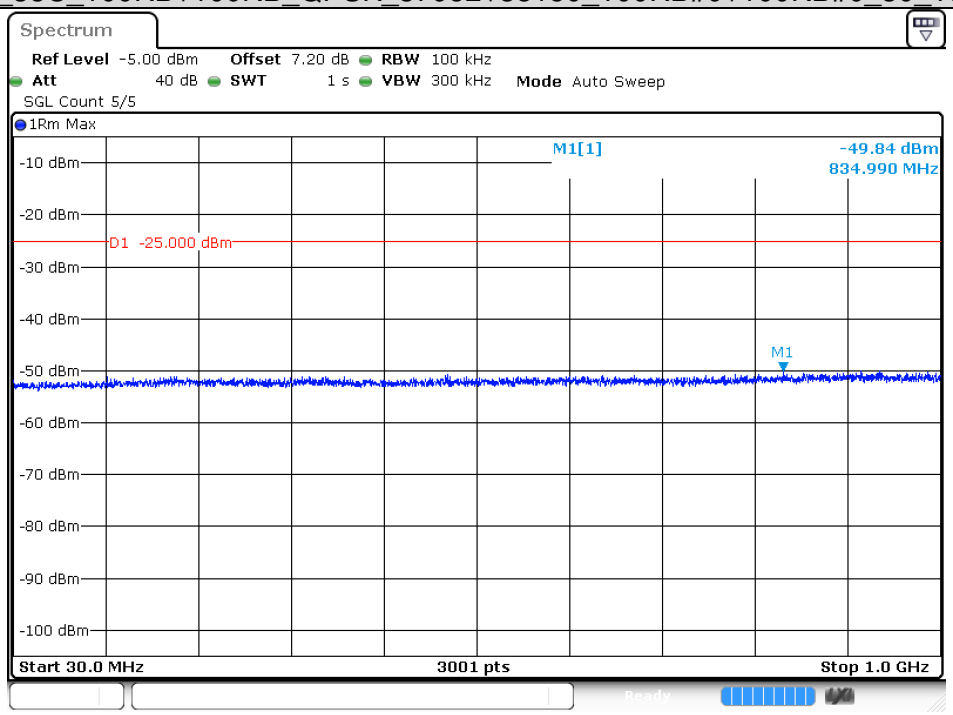

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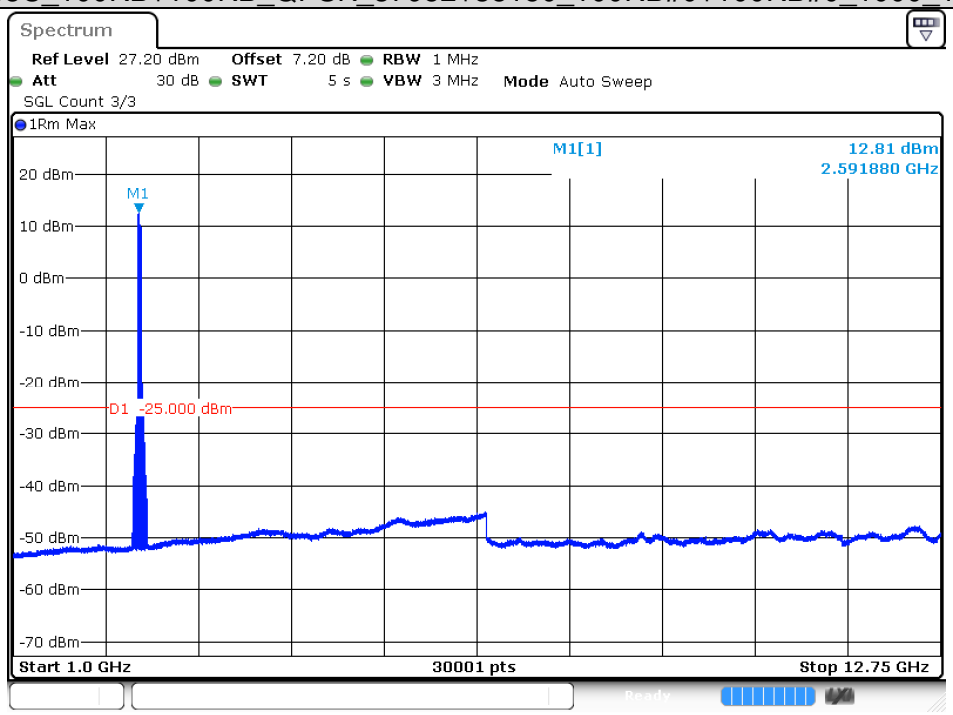

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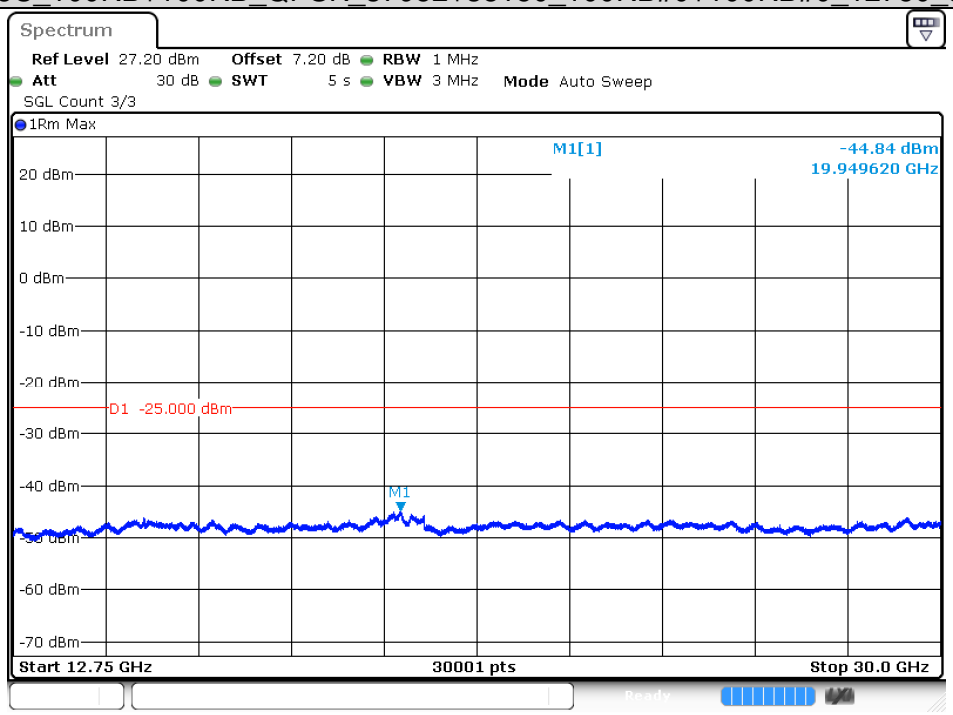

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7 Field Strength of Spurious Radiation

7.1 For LTE UL CA

7.1 Test Band = LTE Band CA_38C (Config 0)

7.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.900000	-79.39	-25.00	54.39	Vertical
125.000000	-84.15	-25.00	59.15	Vertical
351.350000	-84.52	-25.00	59.52	Vertical
4167.725000	-64.76	-25.00	39.76	Vertical
6483.350000	-63.29	-25.00	38.29	Vertical
9265.675000	-61.12	-25.00	36.12	Vertical
63.250000	-75.59	-25.00	50.59	Horizontal
104.300000	-86.07	-25.00	61.07	Horizontal
283.050000	-86.33	-25.00	61.33	Horizontal
4127.750000	-65.82	-25.00	40.82	Horizontal
6055.325000	-63.38	-25.00	38.38	Horizontal
9298.825000	-61.13	-25.00	36.13	Horizontal

7.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.250000	-79.93	-25.00	54.93	Vertical
104.300000	-83.43	-25.00	58.43	Vertical
344.250000	-84.57	-25.00	59.57	Vertical
5152.150000	-63.75	-25.00	38.75	Vertical
7962.100000	-61.28	-25.00	36.28	Vertical
10659.925000	-60.19	-25.00	35.19	Vertical
62.750000	-75.41	-25.00	50.41	Horizontal
264.050000	-86.10	-25.00	61.10	Horizontal
617.291667	-80.69	-25.00	55.69	Horizontal
4311.375000	-64.88	-25.00	39.88	Horizontal
7983.875000	-61.36	-25.00	36.36	Horizontal
10630.675000	-60.53	-25.00	35.53	Horizontal

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7.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
65.000000	-80.16	-25.00	55.16	Vertical
125.000000	-83.86	-25.00	58.86	Vertical
354.350000	-84.36	-25.00	59.36	Vertical
5162.550000	-63.72	-25.00	38.72	Vertical
7045.600000	-63.07	-25.00	38.07	Vertical
10655.700000	-60.72	-25.00	35.72	Vertical
62.250000	-75.97	-25.00	50.97	Horizontal
104.300000	-84.77	-25.00	59.77	Horizontal
282.600000	-85.67	-25.00	60.67	Horizontal
4201.525000	-65.39	-25.00	40.39	Horizontal
7089.150000	-62.86	-25.00	37.86	Horizontal
10630.350000	-60.35	-25.00	35.35	Horizontal

7.2 Test Band = LTE Band CA_38C (Config 1)

7.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.200000	-79.75	-25.00	54.75	Vertical
104.300000	-83.73	-25.00	58.73	Vertical
350.200000	-84.31	-25.00	59.31	Vertical
5142.075000	-63.57	-25.00	38.57	Vertical
7041.375000	-62.65	-25.00	37.65	Vertical
10284.225000	-60.68	-25.00	35.68	Vertical
62.300000	-75.95	-25.00	50.95	Horizontal
104.350000	-83.12	-25.00	58.12	Horizontal
277.200000	-84.98	-25.00	59.98	Horizontal
4282.125000	-64.89	-25.00	39.89	Horizontal
7067.375000	-62.66	-25.00	37.66	Horizontal
11095.750000	-61.67	-25.00	36.67	Horizontal

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7.1.4 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.750000	-79.48	-25.00	54.48	Vertical
125.000000	-83.69	-25.00	58.69	Vertical
359.500000	-84.00	-25.00	59.00	Vertical
5152.150000	-63.86	-25.00	38.86	Vertical
7089.150000	-62.69	-25.00	37.69	Vertical
9256.250000	-60.72	-25.00	35.72	Vertical
62.300000	-76.28	-25.00	51.28	Horizontal
104.300000	-83.97	-25.00	58.97	Horizontal
268.200000	-85.73	-25.00	60.73	Horizontal
4332.825000	-64.52	-25.00	39.52	Horizontal
7251.000000	-62.62	-25.00	37.62	Horizontal
9278.025000	-60.97	-25.00	35.97	Horizontal

7.1.5 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.200000	-79.56	-25.00	54.56	Vertical
125.000000	-82.87	-25.00	57.87	Vertical
338.250000	-84.83	-25.00	59.83	Vertical
5162.225000	-62.92	-25.00	37.92	Vertical
7118.725000	-62.65	-25.00	37.65	Vertical
10325.175000	-60.68	-25.00	35.68	Vertical
62.250000	-75.94	-25.00	50.94	Horizontal
104.250000	-84.05	-25.00	59.05	Horizontal
265.000000	-84.91	-25.00	59.91	Horizontal
4273.350000	-64.68	-25.00	39.68	Horizontal
6096.275000	-63.47	-25.00	38.47	Horizontal
9292.325000	-61.12	-25.00	36.12	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

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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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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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