



# Appendix B

## E-UTRA Band CA\_7C



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# 1 Effective (Isotropic) Radiated Power Output Data

## 1.1 Max Power Test Result for LTE Band CA\_7C(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_7C	50RB+100RB	20805+20949	1RB#0	0RB#0	QPSK	23.80	23.60	33.00	PASS
CA_7C	50RB+100RB	21006+21150	1RB#0	0RB#0	QPSK	24.29	24.09	33.00	PASS
CA_7C	50RB+100RB	21206+21350	1RB#0	0RB#0	QPSK	24.33	24.13	33.00	PASS
CA_7C	75RB+50RB	20825+20945	1RB#0	0RB#0	QPSK	23.82	23.62	33.00	PASS
CA_7C	75RB+50RB	21051+21171	1RB#0	0RB#0	QPSK	24.30	24.10	33.00	PASS
CA_7C	75RB+50RB	21277+21397	1RB#0	0RB#0	QPSK	24.23	24.03	33.00	PASS
CA_7C	75RB+75RB	20825+20975	1RB#0	0RB#0	QPSK	23.97	23.77	33.00	PASS
CA_7C	75RB+75RB	20825+20975	16RB#0	0RB#0	QPSK	23.98	23.78	33.00	PASS
CA_7C	75RB+75RB	21025+21175	1RB#0	0RB#0	QPSK	24.18	23.98	33.00	PASS
CA_7C	75RB+75RB	21025+21175	16RB#0	0RB#0	QPSK	24.08	23.88	33.00	PASS
CA_7C	75RB+75RB	21225+21375	1RB#0	0RB#0	QPSK	24.36	24.16	33.00	PASS
CA_7C	75RB+75RB	21225+21375	16RB#0	0RB#0	QPSK	24.28	24.08	33.00	PASS
CA_7C	75RB+100RB	20828+20999	1RB#0	0RB#0	QPSK	24.04	23.84	33.00	PASS
CA_7C	75RB+100RB	21003+21174	1RB#0	0RB#0	QPSK	24.07	23.87	33.00	PASS
CA_7C	75RB+100RB	21179+21350	1RB#0	0RB#0	QPSK	23.87	23.67	33.00	PASS
CA_7C	100RB+50RB	20850+20994	1RB#0	0RB#0	QPSK	23.78	23.58	33.00	PASS
CA_7C	100RB+50RB	20850+20994	12RB#0	0RB#0	QPSK	23.98	23.78	33.00	PASS
CA_7C	100RB+50RB	21051+21195	1RB#0	0RB#0	QPSK	24.29	24.09	33.00	PASS
CA_7C	100RB+50RB	21051+21195	12RB#0	0RB#0	QPSK	24.32	24.12	33.00	PASS
CA_7C	100RB+50RB	21251+21395	1RB#0	0RB#0	QPSK	24.41	24.21	33.00	PASS
CA_7C	100RB+50RB	21251+21395	12RB#0	0RB#0	QPSK	24.31	24.11	33.00	PASS
CA_7C	100RB+75RB	20850+21021	1RB#0	0RB#0	QPSK	23.79	23.59	33.00	PASS
CA_7C	100RB+75RB	20850+21021	16RB#0	0RB#0	QPSK	24.05	23.85	33.00	PASS
CA_7C	100RB+75RB	21026+21197	1RB#0	0RB#0	QPSK	24.27	24.07	33.00	PASS
CA_7C	100RB+75RB	21026+21197	16RB#0	0RB#0	QPSK	24.07	23.87	33.00	PASS
CA_7C	100RB+75RB	21201+21372	1RB#0	0RB#0	QPSK	24.29	24.09	33.00	PASS
CA_7C	100RB+75RB	21201+21372	16RB#0	0RB#0	QPSK	24.27	24.07	33.00	PASS
CA_7C	100RB+100RB	20850+21048	1RB#0	0RB#0	QPSK	23.79	23.59	33.00	PASS
CA_7C	100RB+100RB	20850+21048	18RB#0	0RB#0	QPSK	24.04	23.84	33.00	PASS
CA_7C	100RB+100RB	21001+21199	1RB#0	0RB#0	QPSK	24.11	23.91	33.00	PASS
CA_7C	100RB+100RB	21001+21199	18RB#0	0RB#0	QPSK	24.10	23.90	33.00	PASS
CA_7C	100RB+100RB	21152+21350	1RB#0	0RB#0	QPSK	24.34	24.14	33.00	PASS
CA_7C	100RB+100RB	21152+21350	18RB#0	0RB#0	QPSK	24.28	24.08	33.00	PASS
CA_7C	50RB+100RB	20805+20949	1RB#0	0RB#0	16QAM	23.06	22.86	33.00	PASS



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CA_7C	50RB+100RB	21006+21150	1RB#0	0RB#0	16QAM	23.47	23.27	33.00	PASS
CA_7C	50RB+100RB	21206+21350	1RB#0	0RB#0	16QAM	23.56	23.36	33.00	PASS
CA_7C	75RB+50RB	20825+20945	1RB#0	0RB#0	16QAM	23.04	22.84	33.00	PASS
CA_7C	75RB+50RB	21051+21171	1RB#0	0RB#0	16QAM	23.57	23.37	33.00	PASS
CA_7C	75RB+50RB	21277+21397	1RB#0	0RB#0	16QAM	23.64	23.44	33.00	PASS
CA_7C	75RB+75RB	20825+20975	1RB#0	0RB#0	16QAM	23.07	22.87	33.00	PASS
CA_7C	75RB+75RB	20825+20975	16RB#0	0RB#0	16QAM	22.96	22.76	33.00	PASS
CA_7C	75RB+75RB	21025+21175	1RB#0	0RB#0	16QAM	23.30	23.10	33.00	PASS
CA_7C	75RB+75RB	21025+21175	16RB#0	0RB#0	16QAM	23.12	22.92	33.00	PASS
CA_7C	75RB+75RB	21225+21375	1RB#0	0RB#0	16QAM	23.80	23.60	33.00	PASS
CA_7C	75RB+75RB	21225+21375	16RB#0	0RB#0	16QAM	23.32	23.12	33.00	PASS
CA_7C	75RB+100RB	20828+20999	1RB#0	0RB#0	16QAM	23.29	23.09	33.00	PASS
CA_7C	75RB+100RB	21003+21174	1RB#0	0RB#0	16QAM	23.21	23.01	33.00	PASS
CA_7C	75RB+100RB	21179+21350	1RB#0	0RB#0	16QAM	23.51	23.31	33.00	PASS
CA_7C	100RB+50RB	20850+20994	1RB#0	0RB#0	16QAM	23.23	23.03	33.00	PASS
CA_7C	100RB+50RB	20850+20994	12RB#0	0RB#0	16QAM	22.95	22.75	33.00	PASS
CA_7C	100RB+50RB	21051+21195	1RB#0	0RB#0	16QAM	23.55	23.35	33.00	PASS
CA_7C	100RB+50RB	21051+21195	12RB#0	0RB#0	16QAM	23.32	23.12	33.00	PASS
CA_7C	100RB+50RB	21251+21395	1RB#0	0RB#0	16QAM	23.54	23.34	33.00	PASS
CA_7C	100RB+50RB	21251+21395	12RB#0	0RB#0	16QAM	23.39	23.19	33.00	PASS
CA_7C	100RB+75RB	20850+21021	1RB#0	0RB#0	16QAM	23.16	22.96	33.00	PASS
CA_7C	100RB+75RB	20850+21021	16RB#0	0RB#0	16QAM	23.02	22.82	33.00	PASS
CA_7C	100RB+75RB	21026+21197	1RB#0	0RB#0	16QAM	23.25	23.05	33.00	PASS
CA_7C	100RB+75RB	21026+21197	16RB#0	0RB#0	16QAM	23.16	22.96	33.00	PASS
CA_7C	100RB+75RB	21201+21372	1RB#0	0RB#0	16QAM	23.48	23.28	33.00	PASS
CA_7C	100RB+75RB	21201+21372	16RB#0	0RB#0	16QAM	23.26	23.06	33.00	PASS
CA_7C	100RB+100RB	20850+21048	1RB#0	0RB#0	16QAM	23.14	22.94	33.00	PASS
CA_7C	100RB+100RB	20850+21048	18RB#0	0RB#0	16QAM	23.05	22.85	33.00	PASS
CA_7C	100RB+100RB	21001+21199	1RB#0	0RB#0	16QAM	23.24	23.04	33.00	PASS
CA_7C	100RB+100RB	21001+21199	18RB#0	0RB#0	16QAM	23.08	22.88	33.00	PASS
CA_7C	100RB+100RB	21152+21350	1RB#0	0RB#0	16QAM	23.53	23.33	33.00	PASS
CA_7C	100RB+100RB	21152+21350	18RB#0	0RB#0	16QAM	23.32	23.12	33.00	PASS
CA_7C	50RB+100RB	20805+20949	1RB#0	0RB#0	64QAM	21.96	21.76	33.00	PASS
CA_7C	50RB+100RB	21006+21150	1RB#0	0RB#0	64QAM	22.56	22.36	33.00	PASS
CA_7C	50RB+100RB	21206+21350	1RB#0	0RB#0	64QAM	22.51	22.31	33.00	PASS
CA_7C	75RB+50RB	20825+20945	1RB#0	0RB#0	64QAM	22.13	21.93	33.00	PASS
CA_7C	75RB+50RB	21051+21171	1RB#0	0RB#0	64QAM	22.54	22.34	33.00	PASS
CA_7C	75RB+50RB	21277+21397	1RB#0	0RB#0	64QAM	22.52	22.32	33.00	PASS



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CA_7C	75RB+75RB	20825+20975	1RB#0	0RB#0	64QAM	22.24	22.04	33.00	PASS
CA_7C	75RB+75RB	20825+20975	16RB#0	0RB#0	64QAM	22.07	21.87	33.00	PASS
CA_7C	75RB+75RB	21025+21175	1RB#0	0RB#0	64QAM	22.28	22.08	33.00	PASS
CA_7C	75RB+75RB	21025+21175	16RB#0	0RB#0	64QAM	22.12	21.92	33.00	PASS
CA_7C	75RB+75RB	21225+21375	1RB#0	0RB#0	64QAM	22.63	22.43	33.00	PASS
CA_7C	75RB+75RB	21225+21375	16RB#0	0RB#0	64QAM	22.35	22.15	33.00	PASS
CA_7C	75RB+100RB	20828+20999	1RB#0	0RB#0	64QAM	22.40	22.20	33.00	PASS
CA_7C	75RB+100RB	21003+21174	1RB#0	0RB#0	64QAM	22.16	21.96	33.00	PASS
CA_7C	75RB+100RB	21179+21350	1RB#0	0RB#0	64QAM	22.50	22.30	33.00	PASS
CA_7C	100RB+50RB	20850+20994	1RB#0	0RB#0	64QAM	21.97	21.77	33.00	PASS
CA_7C	100RB+50RB	20850+20994	12RB#0	0RB#0	64QAM	21.97	21.77	33.00	PASS
CA_7C	100RB+50RB	21051+21195	1RB#0	0RB#0	64QAM	22.49	22.29	33.00	PASS
CA_7C	100RB+50RB	21051+21195	12RB#0	0RB#0	64QAM	22.32	22.12	33.00	PASS
CA_7C	100RB+50RB	21251+21395	1RB#0	0RB#0	64QAM	22.60	22.40	33.00	PASS
CA_7C	100RB+50RB	21251+21395	12RB#0	0RB#0	64QAM	22.33	22.13	33.00	PASS
CA_7C	100RB+75RB	20850+21021	1RB#0	0RB#0	64QAM	22.07	21.87	33.00	PASS
CA_7C	100RB+75RB	20850+21021	16RB#0	0RB#0	64QAM	22.14	21.94	33.00	PASS
CA_7C	100RB+75RB	21026+21197	1RB#0	0RB#0	64QAM	22.30	22.10	33.00	PASS
CA_7C	100RB+75RB	21026+21197	16RB#0	0RB#0	64QAM	22.16	21.96	33.00	PASS
CA_7C	100RB+75RB	21201+21372	1RB#0	0RB#0	64QAM	22.61	22.41	33.00	PASS
CA_7C	100RB+75RB	21201+21372	16RB#0	0RB#0	64QAM	22.35	22.15	33.00	PASS
CA_7C	100RB+100RB	20850+21048	1RB#0	0RB#0	64QAM	22.07	21.87	33.00	PASS
CA_7C	100RB+100RB	20850+21048	18RB#0	0RB#0	64QAM	22.03	21.83	33.00	PASS
CA_7C	100RB+100RB	21001+21199	1RB#0	0RB#0	64QAM	22.43	22.23	33.00	PASS
CA_7C	100RB+100RB	21001+21199	18RB#0	0RB#0	64QAM	22.12	21.92	33.00	PASS
CA_7C	100RB+100RB	21152+21350	1RB#0	0RB#0	64QAM	22.60	22.40	33.00	PASS
CA_7C	100RB+100RB	21152+21350	18RB#0	0RB#0	64QAM	22.33	22.13	33.00	PASS



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**1.2 Max Power Test Result for LTE Band CA\_7C(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_7C	50RB+100RB	20805+20949	1RB#0	0RB#0	QPSK	19.35	19.45	33.00	PASS
CA_7C	50RB+100RB	21006+21150	1RB#0	0RB#0	QPSK	19.20	19.3	33.00	PASS
CA_7C	50RB+100RB	21206+21350	1RB#0	0RB#0	QPSK	19.20	19.3	33.00	PASS
CA_7C	75RB+50RB	20825+20945	1RB#0	0RB#0	QPSK	19.28	19.38	33.00	PASS
CA_7C	75RB+50RB	21051+21171	1RB#0	0RB#0	QPSK	19.54	19.64	33.00	PASS
CA_7C	75RB+50RB	21277+21397	1RB#0	0RB#0	QPSK	19.35	19.45	33.00	PASS
CA_7C	75RB+75RB	20825+20975	1RB#0	0RB#0	QPSK	19.53	19.63	33.00	PASS
CA_7C	75RB+75RB	20825+20975	16RB#0	0RB#0	QPSK	19.44	19.54	33.00	PASS
CA_7C	75RB+75RB	21025+21175	1RB#0	0RB#0	QPSK	19.01	19.11	33.00	PASS
CA_7C	75RB+75RB	21025+21175	16RB#0	0RB#0	QPSK	19.57	19.67	33.00	PASS
CA_7C	75RB+75RB	21225+21375	1RB#0	0RB#0	QPSK	19.08	19.18	33.00	PASS
CA_7C	75RB+75RB	21225+21375	16RB#0	0RB#0	QPSK	19.43	19.53	33.00	PASS
CA_7C	75RB+100RB	20828+20999	1RB#0	0RB#0	QPSK	19.35	19.45	33.00	PASS
CA_7C	75RB+100RB	21003+21174	1RB#0	0RB#0	QPSK	19.42	19.52	33.00	PASS
CA_7C	75RB+100RB	21179+21350	1RB#0	0RB#0	QPSK	19.12	19.22	33.00	PASS
CA_7C	100RB+50RB	20850+20994	1RB#0	0RB#0	QPSK	19.36	19.46	33.00	PASS
CA_7C	100RB+50RB	20850+20994	12RB#0	0RB#0	QPSK	19.04	19.14	33.00	PASS
CA_7C	100RB+50RB	21051+21195	1RB#0	0RB#0	QPSK	19.30	19.4	33.00	PASS
CA_7C	100RB+50RB	21051+21195	12RB#0	0RB#0	QPSK	19.50	19.6	33.00	PASS
CA_7C	100RB+50RB	21251+21395	1RB#0	0RB#0	QPSK	19.16	19.26	33.00	PASS
CA_7C	100RB+50RB	21251+21395	12RB#0	0RB#0	QPSK	19.46	19.56	33.00	PASS
CA_7C	100RB+75RB	20850+21021	1RB#0	0RB#0	QPSK	19.45	19.55	33.00	PASS
CA_7C	100RB+75RB	20850+21021	16RB#0	0RB#0	QPSK	19.37	19.47	33.00	PASS
CA_7C	100RB+75RB	21026+21197	1RB#0	0RB#0	QPSK	19.53	19.63	33.00	PASS
CA_7C	100RB+75RB	21026+21197	16RB#0	0RB#0	QPSK	19.24	19.34	33.00	PASS
CA_7C	100RB+75RB	21201+21372	1RB#0	0RB#0	QPSK	19.05	19.15	33.00	PASS
CA_7C	100RB+75RB	21201+21372	16RB#0	0RB#0	QPSK	19.33	19.43	33.00	PASS
CA_7C	100RB+100RB	20850+21048	1RB#0	0RB#0	QPSK	19.15	19.25	33.00	PASS
CA_7C	100RB+100RB	20850+21048	18RB#0	0RB#0	QPSK	19.28	19.38	33.00	PASS
CA_7C	100RB+100RB	21001+21199	1RB#0	0RB#0	QPSK	19.52	19.62	33.00	PASS
CA_7C	100RB+100RB	21001+21199	18RB#0	0RB#0	QPSK	19.19	19.29	33.00	PASS
CA_7C	100RB+100RB	21152+21350	1RB#0	0RB#0	QPSK	18.97	19.07	33.00	PASS
CA_7C	100RB+100RB	21152+21350	18RB#0	0RB#0	QPSK	19.59	19.69	33.00	PASS
CA_7C	50RB+100RB	20805+20949	1RB#0	0RB#0	16QAM	18.19	18.29	33.00	PASS
CA_7C	50RB+100RB	21006+21150	1RB#0	0RB#0	16QAM	18.18	18.28	33.00	PASS
CA_7C	50RB+100RB	21206+21350	1RB#0	0RB#0	16QAM	18.14	18.24	33.00	PASS



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CA_7C	75RB+50RB	20825+20945	1RB#0	0RB#0	16QAM	18.54	18.64	33.00	PASS
CA_7C	75RB+50RB	21051+21171	1RB#0	0RB#0	16QAM	18.31	18.41	33.00	PASS
CA_7C	75RB+50RB	21277+21397	1RB#0	0RB#0	16QAM	18.45	18.55	33.00	PASS
CA_7C	75RB+75RB	20825+20975	1RB#0	0RB#0	16QAM	18.17	18.27	33.00	PASS
CA_7C	75RB+75RB	20825+20975	16RB#0	0RB#0	16QAM	18.25	18.35	33.00	PASS
CA_7C	75RB+75RB	21025+21175	1RB#0	0RB#0	16QAM	18.35	18.45	33.00	PASS
CA_7C	75RB+75RB	21025+21175	16RB#0	0RB#0	16QAM	18.25	18.35	33.00	PASS
CA_7C	75RB+75RB	21225+21375	1RB#0	0RB#0	16QAM	18.10	18.2	33.00	PASS
CA_7C	75RB+75RB	21225+21375	16RB#0	0RB#0	16QAM	18.13	18.23	33.00	PASS
CA_7C	75RB+100RB	20828+20999	1RB#0	0RB#0	16QAM	17.95	18.05	33.00	PASS
CA_7C	75RB+100RB	21003+21174	1RB#0	0RB#0	16QAM	18.13	18.23	33.00	PASS
CA_7C	75RB+100RB	21179+21350	1RB#0	0RB#0	16QAM	18.23	18.33	33.00	PASS
CA_7C	100RB+50RB	20850+20994	1RB#0	0RB#0	16QAM	18.27	18.37	33.00	PASS
CA_7C	100RB+50RB	20850+20994	12RB#0	0RB#0	16QAM	18.06	18.16	33.00	PASS
CA_7C	100RB+50RB	21051+21195	1RB#0	0RB#0	16QAM	18.18	18.28	33.00	PASS
CA_7C	100RB+50RB	21051+21195	12RB#0	0RB#0	16QAM	18.60	18.7	33.00	PASS
CA_7C	100RB+50RB	21251+21395	1RB#0	0RB#0	16QAM	18.67	18.77	33.00	PASS
CA_7C	100RB+50RB	21251+21395	12RB#0	0RB#0	16QAM	18.53	18.63	33.00	PASS
CA_7C	100RB+75RB	20850+21021	1RB#0	0RB#0	16QAM	18.59	18.69	33.00	PASS
CA_7C	100RB+75RB	20850+21021	16RB#0	0RB#0	16QAM	18.33	18.43	33.00	PASS
CA_7C	100RB+75RB	21026+21197	1RB#0	0RB#0	16QAM	18.05	18.15	33.00	PASS
CA_7C	100RB+75RB	21026+21197	16RB#0	0RB#0	16QAM	18.31	18.41	33.00	PASS
CA_7C	100RB+75RB	21201+21372	1RB#0	0RB#0	16QAM	18.37	18.47	33.00	PASS
CA_7C	100RB+75RB	21201+21372	16RB#0	0RB#0	16QAM	18.42	18.52	33.00	PASS
CA_7C	100RB+100RB	20850+21048	1RB#0	0RB#0	16QAM	18.07	18.17	33.00	PASS
CA_7C	100RB+100RB	20850+21048	18RB#0	0RB#0	16QAM	18.16	18.26	33.00	PASS
CA_7C	100RB+100RB	21001+21199	1RB#0	0RB#0	16QAM	18.45	18.55	33.00	PASS
CA_7C	100RB+100RB	21001+21199	18RB#0	0RB#0	16QAM	18.23	18.33	33.00	PASS
CA_7C	100RB+100RB	21152+21350	1RB#0	0RB#0	16QAM	18.26	18.36	33.00	PASS
CA_7C	100RB+100RB	21152+21350	18RB#0	0RB#0	16QAM	18.53	18.63	33.00	PASS
CA_7C	50RB+100RB	20805+20949	1RB#0	0RB#0	64QAM	17.17	17.27	33.00	PASS
CA_7C	50RB+100RB	21006+21150	1RB#0	0RB#0	64QAM	17.27	17.37	33.00	PASS
CA_7C	50RB+100RB	21206+21350	1RB#0	0RB#0	64QAM	17.25	17.35	33.00	PASS
CA_7C	75RB+50RB	20825+20945	1RB#0	0RB#0	64QAM	17.10	17.2	33.00	PASS
CA_7C	75RB+50RB	21051+21171	1RB#0	0RB#0	64QAM	17.11	17.21	33.00	PASS
CA_7C	75RB+50RB	21277+21397	1RB#0	0RB#0	64QAM	17.40	17.5	33.00	PASS
CA_7C	75RB+75RB	20825+20975	1RB#0	0RB#0	64QAM	17.64	17.74	33.00	PASS
CA_7C	75RB+75RB	20825+20975	16RB#0	0RB#0	64QAM	17.39	17.49	33.00	PASS



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CA_7C	75RB+75RB	21025+21175	1RB#0	0RB#0	64QAM	17.12	17.22	33.00	PASS
CA_7C	75RB+75RB	21025+21175	16RB#0	0RB#0	64QAM	16.98	17.08	33.00	PASS
CA_7C	75RB+75RB	21225+21375	1RB#0	0RB#0	64QAM	17.43	17.53	33.00	PASS
CA_7C	75RB+75RB	21225+21375	16RB#0	0RB#0	64QAM	17.15	17.25	33.00	PASS
CA_7C	75RB+100RB	20828+20999	1RB#0	0RB#0	64QAM	17.36	17.46	33.00	PASS
CA_7C	75RB+100RB	21003+21174	1RB#0	0RB#0	64QAM	17.35	17.45	33.00	PASS
CA_7C	75RB+100RB	21179+21350	1RB#0	0RB#0	64QAM	17.23	17.33	33.00	PASS
CA_7C	100RB+50RB	20850+20994	1RB#0	0RB#0	64QAM	17.29	17.39	33.00	PASS
CA_7C	100RB+50RB	20850+20994	12RB#0	0RB#0	64QAM	17.26	17.36	33.00	PASS
CA_7C	100RB+50RB	21051+21195	1RB#0	0RB#0	64QAM	17.12	17.22	33.00	PASS
CA_7C	100RB+50RB	21051+21195	12RB#0	0RB#0	64QAM	17.16	17.26	33.00	PASS
CA_7C	100RB+50RB	21251+21395	1RB#0	0RB#0	64QAM	16.98	17.08	33.00	PASS
CA_7C	100RB+50RB	21251+21395	12RB#0	0RB#0	64QAM	17.51	17.61	33.00	PASS
CA_7C	100RB+75RB	20850+21021	1RB#0	0RB#0	64QAM	17.08	17.18	33.00	PASS
CA_7C	100RB+75RB	20850+21021	16RB#0	0RB#0	64QAM	17.39	17.49	33.00	PASS
CA_7C	100RB+75RB	21026+21197	1RB#0	0RB#0	64QAM	17.31	17.41	33.00	PASS
CA_7C	100RB+75RB	21026+21197	16RB#0	0RB#0	64QAM	17.37	17.47	33.00	PASS
CA_7C	100RB+75RB	21201+21372	1RB#0	0RB#0	64QAM	17.46	17.56	33.00	PASS
CA_7C	100RB+75RB	21201+21372	16RB#0	0RB#0	64QAM	17.59	17.69	33.00	PASS
CA_7C	100RB+100RB	20850+21048	1RB#0	0RB#0	64QAM	17.40	17.5	33.00	PASS
CA_7C	100RB+100RB	20850+21048	18RB#0	0RB#0	64QAM	17.37	17.47	33.00	PASS
CA_7C	100RB+100RB	21001+21199	1RB#0	0RB#0	64QAM	17.47	17.57	33.00	PASS
CA_7C	100RB+100RB	21001+21199	18RB#0	0RB#0	64QAM	17.39	17.49	33.00	PASS
CA_7C	100RB+100RB	21152+21350	1RB#0	0RB#0	64QAM	17.39	17.49	33.00	PASS
CA_7C	100RB+100RB	21152+21350	18RB#0	0RB#0	64QAM	17.23	17.33	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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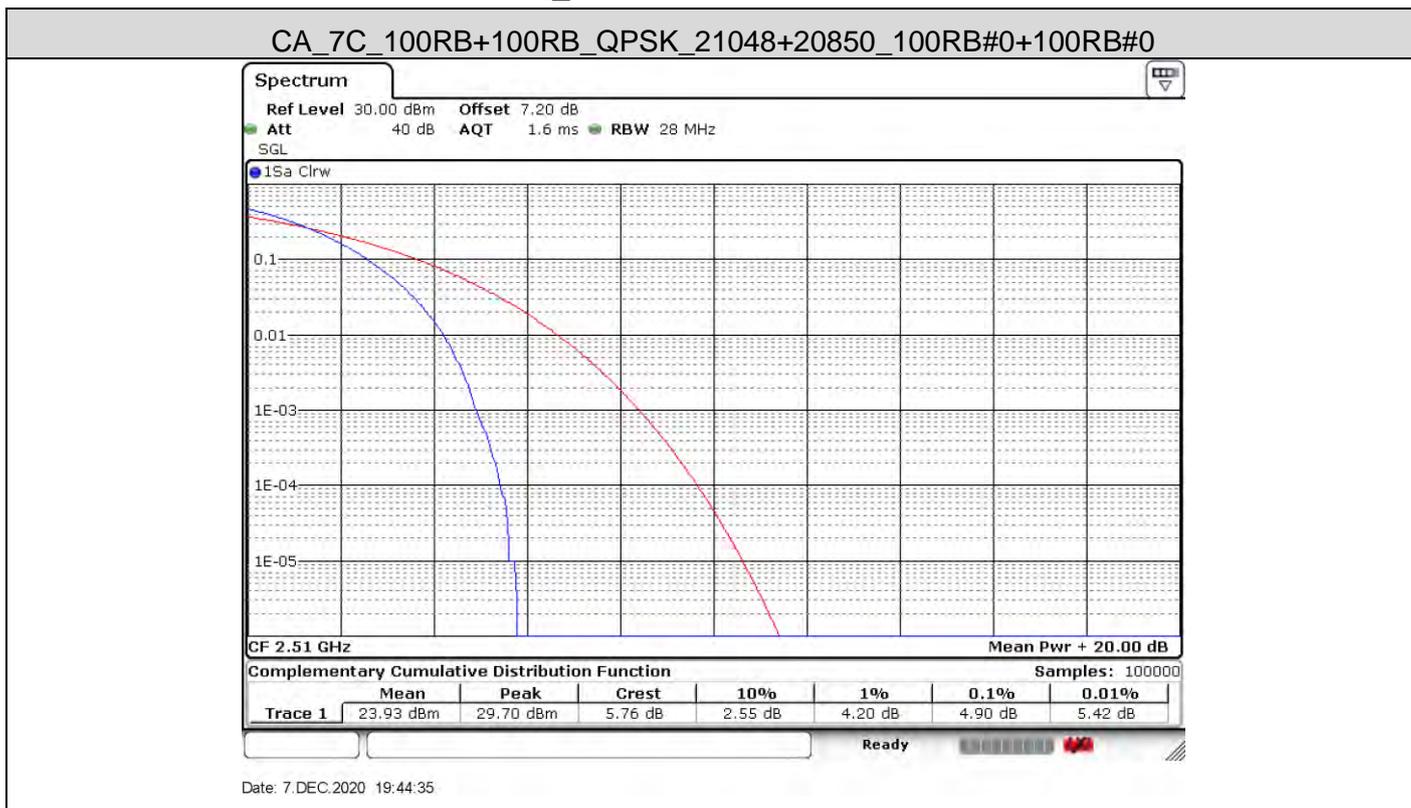
## 2 Peak-to-Average Ratio

### Part I - Test Results

Test Band	Modulation	Test Mode	Test Channel	PCC RB Config	SCC RB Config	Measured [dB]	Limit [dB]	Verdict
CA_7C	QPSK	100RB+100RB	21048+20850	100RB#0	100RB#0	4.90	13.00	PASS
CA_7C	QPSK	100RB+100RB	21199+21001	100RB#0	100RB#0	5.10	13.00	PASS
CA_7C	QPSK	100RB+100RB	21350+21152	100RB#0	100RB#0	4.81	13.00	PASS
CA_7C	16QAM	100RB+100RB	21048+20850	100RB#0	100RB#0	5.97	13.00	PASS
CA_7C	16QAM	100RB+100RB	21199+21001	100RB#0	100RB#0	6.09	13.00	PASS
CA_7C	16QAM	100RB+100RB	21350+21152	100RB#0	100RB#0	6.29	13.00	PASS
CA_7C	64QAM	100RB+100RB	21048+20850	100RB#0	100RB#0	6.72	13.00	PASS
CA_7C	64QAM	100RB+100RB	21199+21001	100RB#0	100RB#0	6.32	13.00	PASS
CA_7C	64QAM	100RB+100RB	21350+21152	100RB#0	100RB#0	6.26	13.00	PASS

### 2.1 For LTE

#### 2.1.1 Test Band = LTE Band CA\_7C



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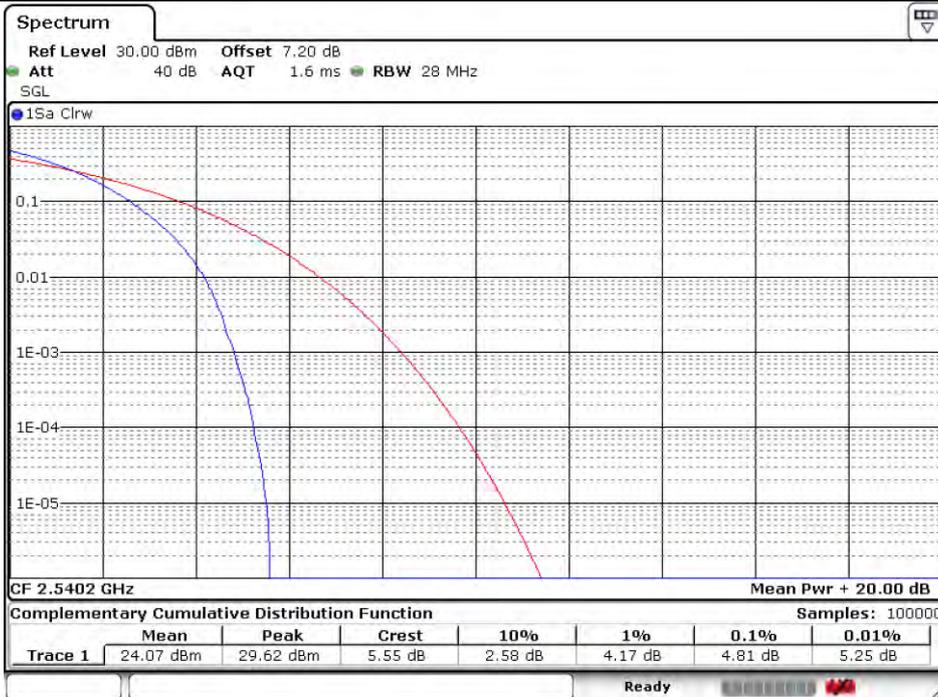


**CA\_7C\_100RB+100RB\_QPSK\_21199+21001\_100RB#0+100RB#0**



Date: 7.DEC.2020 19:46:34

**CA\_7C\_100RB+100RB\_QPSK\_21350+21152\_100RB#0+100RB#0**



Date: 7.DEC.2020 19:48:11



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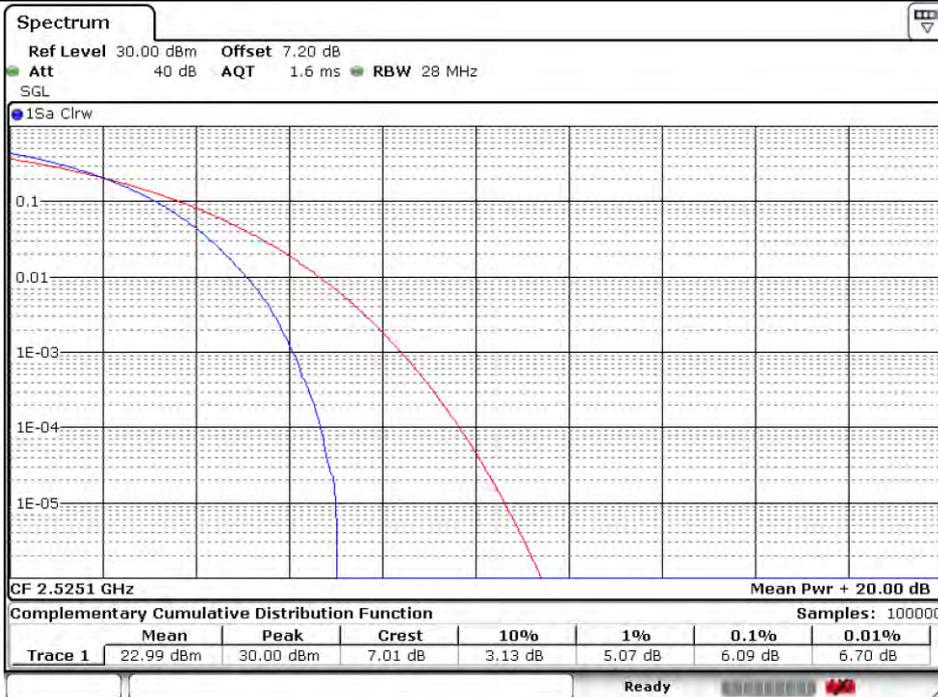


**CA\_7C\_100RB+100RB\_16QAM\_21048+20850\_100RB#0+100RB#0**



Date: 7.DEC.2020 19:44:25

**CA\_7C\_100RB+100RB\_16QAM\_21199+21001\_100RB#0+100RB#0**



Date: 7.DEC.2020 19:46:48



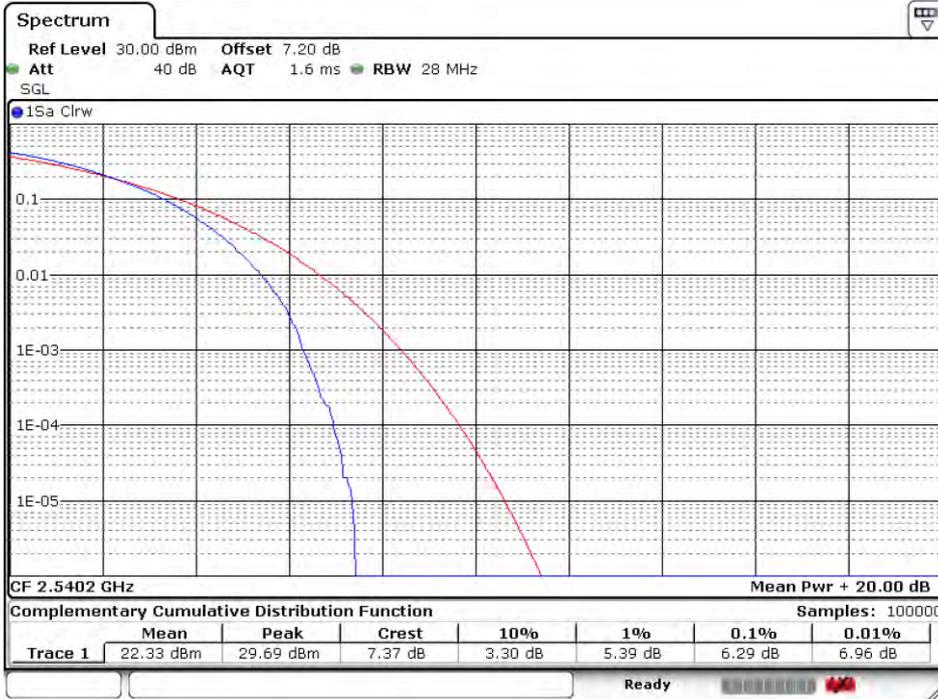
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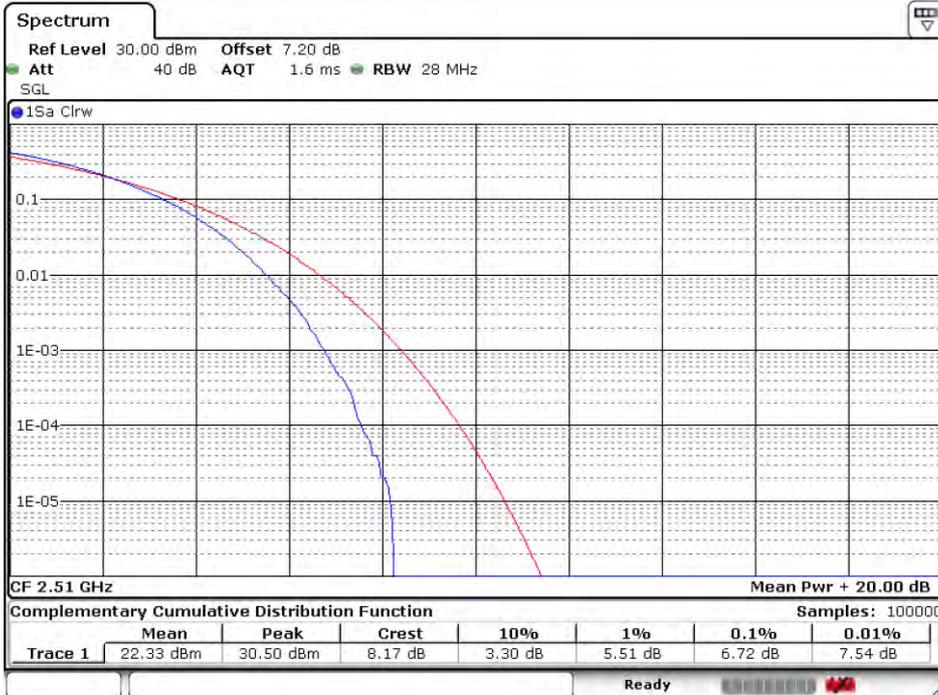


**CA\_7C\_100RB+100RB\_16QAM\_21350+21152\_100RB#0+100RB#0**



Date: 7.DEC.2020 19:48:00

**CA\_7C\_100RB+100RB\_64QAM\_21048+20850\_100RB#0+100RB#0**



Date: 7.DEC.2020 19:44:09



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**CA\_7C\_100RB+100RB\_64QAM\_21199+21001\_100RB#0+100RB#0**



Date: 7.DEC.2020 19:46:58

**CA\_7C\_100RB+100RB\_64QAM\_21350+21152\_100RB#0+100RB#0**



Date: 7.DEC.2020 19:47:44





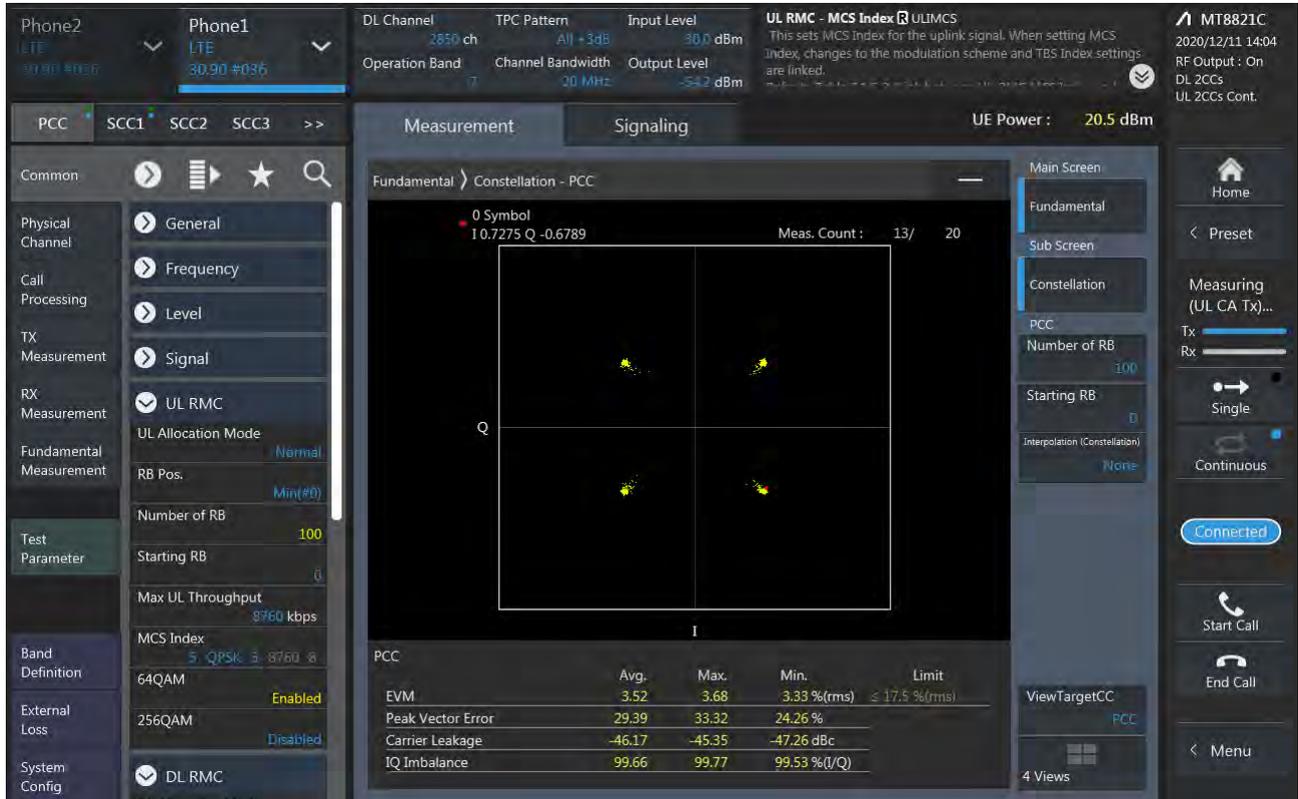
### 3 Modulation Characteristics

#### 3.1 For LTE

##### 3.1.1 Test Band = LTE Band CA\_7C

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

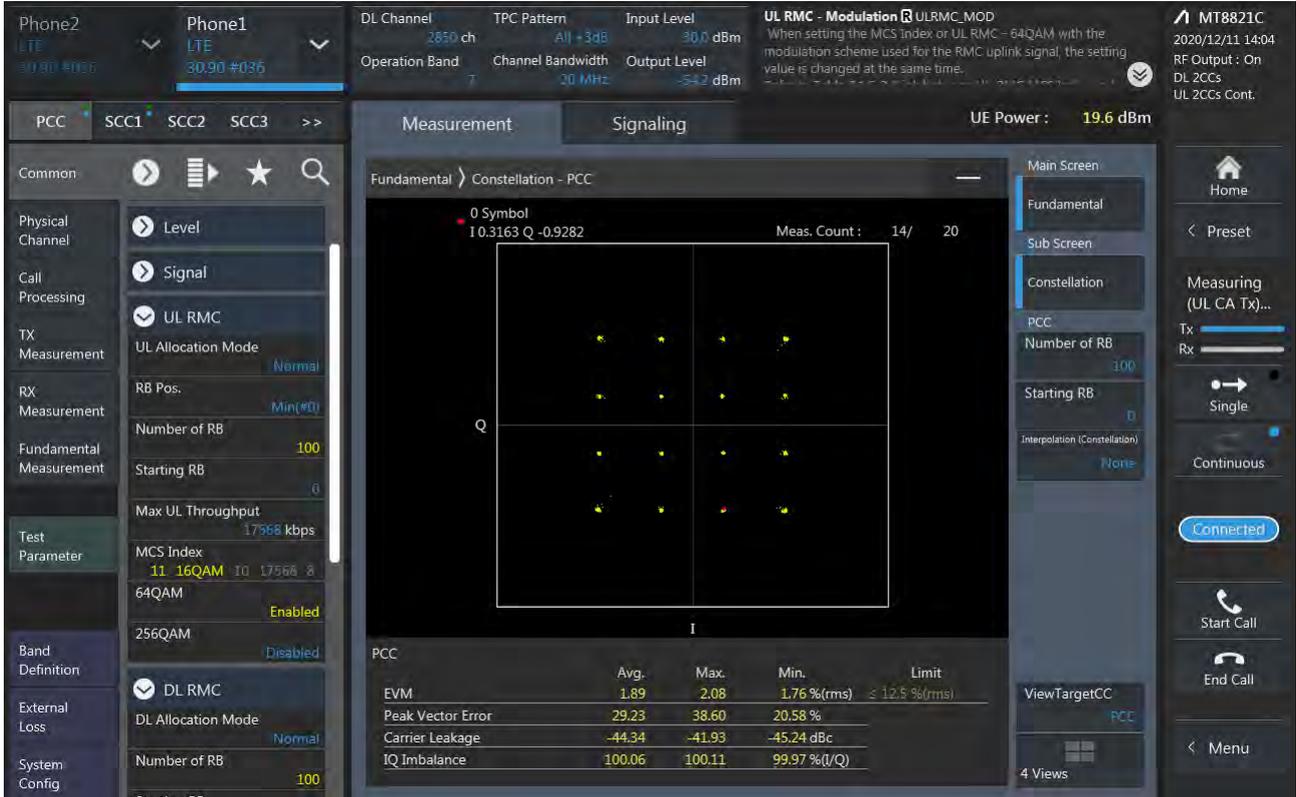
##### 3.1.1.1.1 Test Channel = 20850+20994





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

**3.1.1.2.1 Test Channel =20850+20994**



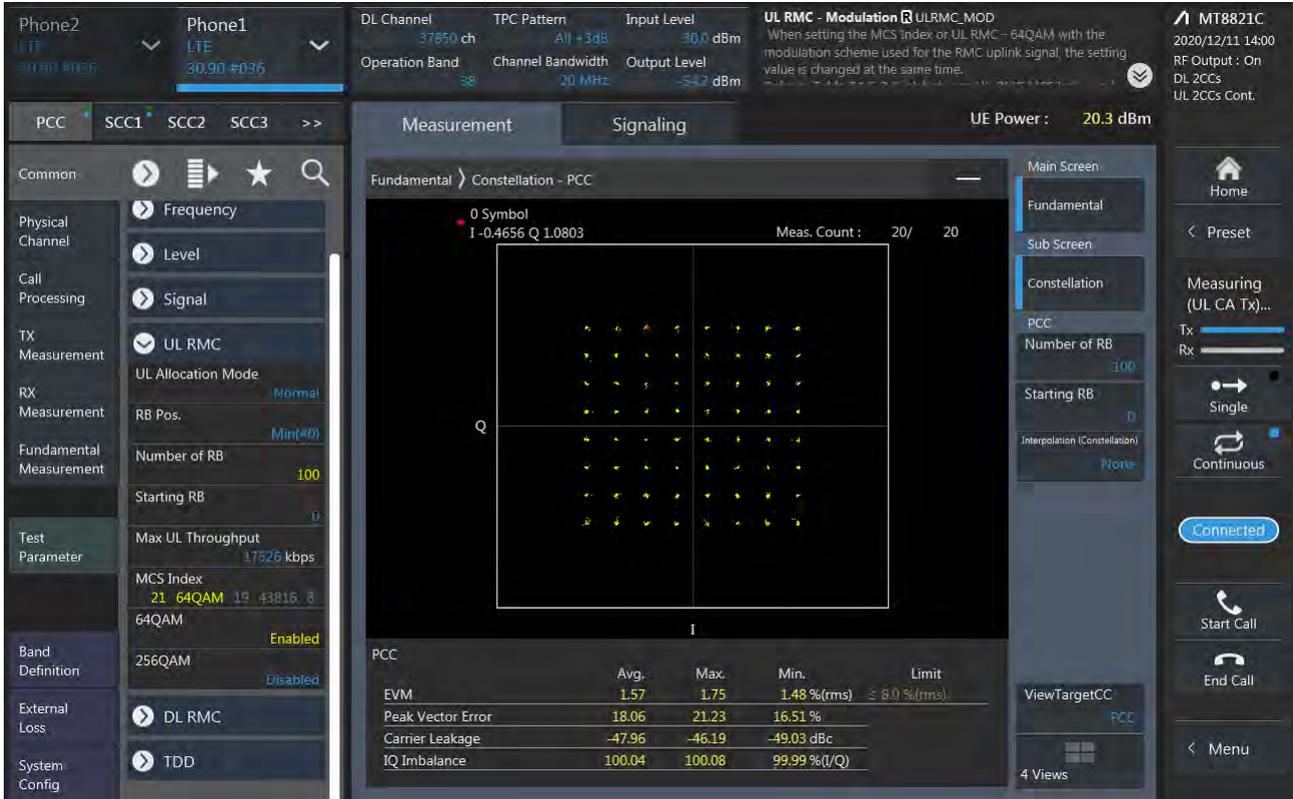
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3.1.1.3 Test Mode = LTE /64QAM 100RB+100RB

3.1.1.3.1 Test Channel = 20850+20994





## 4 26dB Bandwidth and Occupied Bandwidth

Test Band	Test Mode PCC/SCC	Modulation PCC&SCC	Test Channel PCC/SCC	RB Config	OBW [MHz]	EBW [MHz]	Verdict
CA_7C	50RB+100RB	QPSK	20805+20949	50RB#0+100RB#0	27.59	28.57	PASS
CA_7C	50RB+100RB	16QAM	20805+20949	50RB#0+100RB#0	27.62	28.57	PASS
CA_7C	50RB+100RB	64QAM	20805+20949	50RB#0+100RB#0	27.62	28.60	PASS
CA_7C	50RB+100RB	QPSK	21006+21150	50RB#0+100RB#0	27.56	28.51	PASS
CA_7C	50RB+100RB	16QAM	21006+21150	50RB#0+100RB#0	27.55	28.55	PASS
CA_7C	50RB+100RB	64QAM	21006+21150	50RB#0+100RB#0	27.55	28.60	PASS
CA_7C	50RB+100RB	QPSK	21206+21350	50RB#0+100RB#0	27.61	28.57	PASS
CA_7C	50RB+100RB	16QAM	21206+21350	50RB#0+100RB#0	27.59	28.58	PASS
CA_7C	50RB+100RB	64QAM	21206+21350	50RB#0+100RB#0	27.61	28.64	PASS
CA_7C	75RB+50RB	QPSK	20825+20945	75RB#0+50RB#0	23.17	24.35	PASS
CA_7C	75RB+50RB	16QAM	20825+20945	75RB#0+50RB#0	23.19	24.39	PASS
CA_7C	75RB+50RB	64QAM	20825+20945	75RB#0+50RB#0	23.15	24.43	PASS
CA_7C	75RB+50RB	QPSK	21051+21171	75RB#0+50RB#0	23.33	24.22	PASS
CA_7C	75RB+50RB	16QAM	21051+21171	75RB#0+50RB#0	23.11	24.39	PASS
CA_7C	75RB+50RB	64QAM	21051+21171	75RB#0+50RB#0	23.1	24.35	PASS
CA_7C	75RB+50RB	QPSK	21277+21397	75RB#0+50RB#0	23.17	24.39	PASS
CA_7C	75RB+50RB	16QAM	21277+21397	75RB#0+50RB#0	23.17	24.42	PASS
CA_7C	75RB+50RB	64QAM	21277+21397	75RB#0+50RB#0	23.17	24.45	PASS
CA_7C	75RB+75RB	QPSK	20825+20975	75RB#0+75RB#0	28.39	29.15	PASS
CA_7C	75RB+75RB	16QAM	20825+20975	75RB#0+75RB#0	28.28	29.24	PASS
CA_7C	75RB+75RB	64QAM	20825+20975	75RB#0+75RB#0	28.27	29.26	PASS
CA_7C	75RB+75RB	QPSK	21025+21175	75RB#0+75RB#0	28.19	29.20	PASS
CA_7C	75RB+75RB	16QAM	21025+21175	75RB#0+75RB#0	28.27	29.03	PASS
CA_7C	75RB+75RB	64QAM	21025+21175	75RB#0+75RB#0	28.18	29.17	PASS
CA_7C	75RB+75RB	QPSK	21225+21375	75RB#0+75RB#0	28.25	29.33	PASS
CA_7C	75RB+75RB	16QAM	21225+21375	75RB#0+75RB#0	28.33	29.11	PASS
CA_7C	75RB+75RB	64QAM	21225+21375	75RB#0+75RB#0	28.24	29.26	PASS
CA_7C	75RB+100RB	QPSK	20828+20999	75RB#0+100RB#0	32.67	34.01	PASS
CA_7C	75RB+100RB	16QAM	20828+20999	75RB#0+100RB#0	32.65	33.99	PASS
CA_7C	75RB+100RB	64QAM	20828+20999	75RB#0+100RB#0	32.77	33.83	PASS
CA_7C	75RB+100RB	QPSK	21003+21174	75RB#0+100RB#0	32.57	33.89	PASS
CA_7C	75RB+100RB	16QAM	21003+21174	75RB#0+100RB#0	32.25	33.81	PASS
CA_7C	75RB+100RB	64QAM	21003+21174	75RB#0+100RB#0	32.51	33.85	PASS



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CA_7C	75RB+100RB	QPSK	21179+21350	75RB#0+100RB#0	32.57	33.91	PASS
CA_7C	75RB+100RB	16QAM	21179+21350	75RB#0+100RB#0	32.57	33.93	PASS
CA_7C	75RB+100RB	64QAM	21179+21350	75RB#0+100RB#0	32.55	33.93	PASS
CA_7C	100RB+50RB	QPSK	20850+20994	100RB#0+50RB#0	27.86	29.11	PASS
CA_7C	100RB+50RB	16QAM	20850+20994	100RB#0+50RB#0	27.8	29.17	PASS
CA_7C	100RB+50RB	64QAM	20850+20994	100RB#0+50RB#0	27.79	29.15	PASS
CA_7C	100RB+50RB	QPSK	21051+21195	100RB#0+50RB#0	27.53	29.14	PASS
CA_7C	100RB+50RB	16QAM	21051+21195	100RB#0+50RB#0	27.53	29.05	PASS
CA_7C	100RB+50RB	64QAM	21051+21195	100RB#0+50RB#0	27.49	28.96	PASS
CA_7C	100RB+50RB	QPSK	21251+21395	100RB#0+50RB#0	27.82	29.14	PASS
CA_7C	100RB+50RB	16QAM	21251+21395	100RB#0+50RB#0	27.62	29.12	PASS
CA_7C	100RB+50RB	64QAM	21251+21395	100RB#0+50RB#0	27.64	29.06	PASS
CA_7C	100RB+75RB	QPSK	20850+21021	100RB#0+75RB#0	32.75	33.99	PASS
CA_7C	100RB+75RB	16QAM	20850+21021	100RB#0+75RB#0	32.71	34.07	PASS
CA_7C	100RB+75RB	64QAM	20850+21021	100RB#0+75RB#0	32.69	34.05	PASS
CA_7C	100RB+75RB	QPSK	21026+21197	100RB#0+75RB#0	32.85	33.77	PASS
CA_7C	100RB+75RB	16QAM	21026+21197	100RB#0+75RB#0	32.75	33.75	PASS
CA_7C	100RB+75RB	64QAM	21026+21197	100RB#0+75RB#0	32.53	33.99	PASS
CA_7C	100RB+75RB	QPSK	21201+21372	100RB#0+75RB#0	32.63	34.07	PASS
CA_7C	100RB+75RB	16QAM	21201+21372	100RB#0+75RB#0	32.85	33.83	PASS
CA_7C	100RB+75RB	64QAM	21201+21372	100RB#0+75RB#0	32.59	33.95	PASS
CA_7C	100RB+100RB	QPSK	20850+21048	100RB#0+100RB#0	37.61	39.03	PASS
CA_7C	100RB+100RB	16QAM	20850+21048	100RB#0+100RB#0	37.57	38.93	PASS
CA_7C	100RB+100RB	64QAM	20850+21048	100RB#0+100RB#0	37.55	39.09	PASS
CA_7C	100RB+100RB	QPSK	21001+21199	100RB#0+100RB#0	37.55	38.85	PASS
CA_7C	100RB+100RB	16QAM	21001+21199	100RB#0+100RB#0	37.25	38.83	PASS
CA_7C	100RB+100RB	64QAM	21001+21199	100RB#0+100RB#0	37.63	38.71	PASS
CA_7C	100RB+100RB	QPSK	21152+21350	100RB#0+100RB#0	37.37	38.99	PASS
CA_7C	100RB+100RB	16QAM	21152+21350	100RB#0+100RB#0	37.33	38.73	PASS
CA_7C	100RB+100RB	64QAM	21152+21350	100RB#0+100RB#0	37.15	38.57	PASS

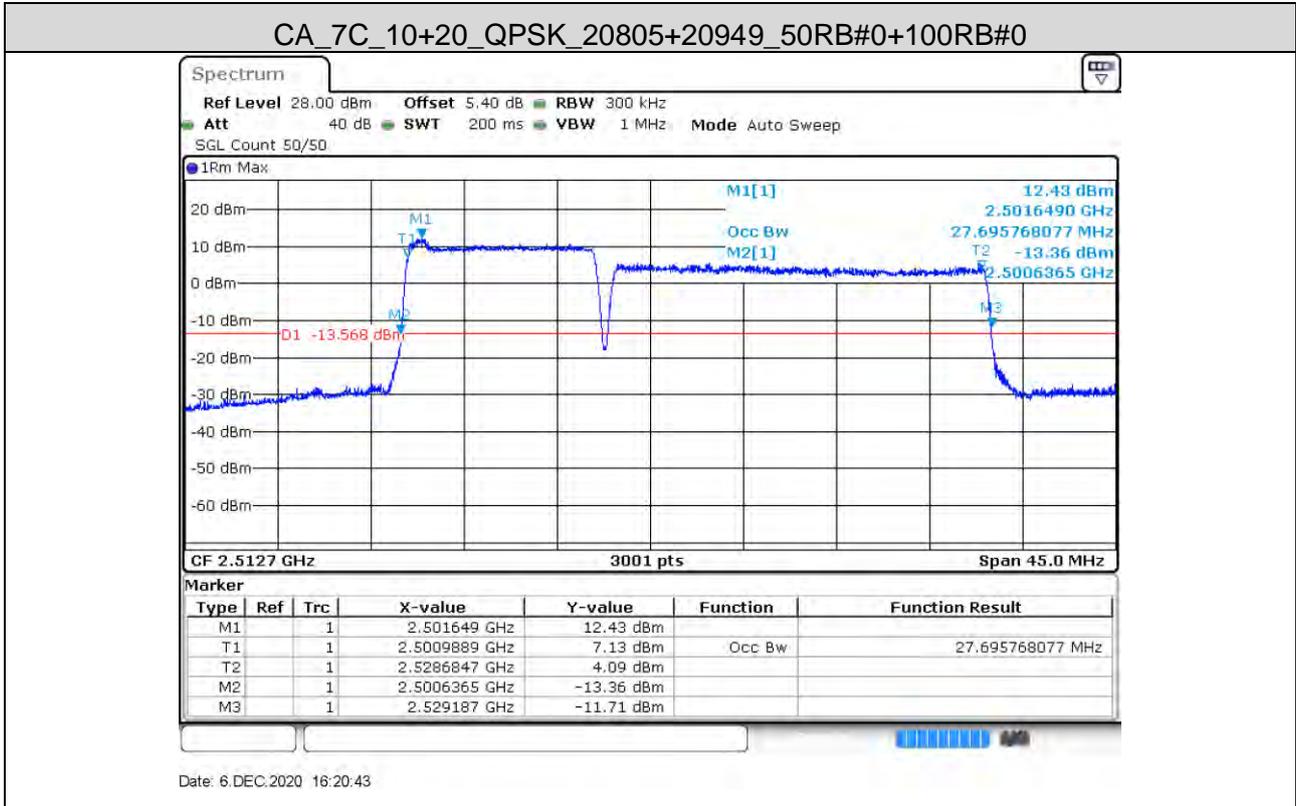


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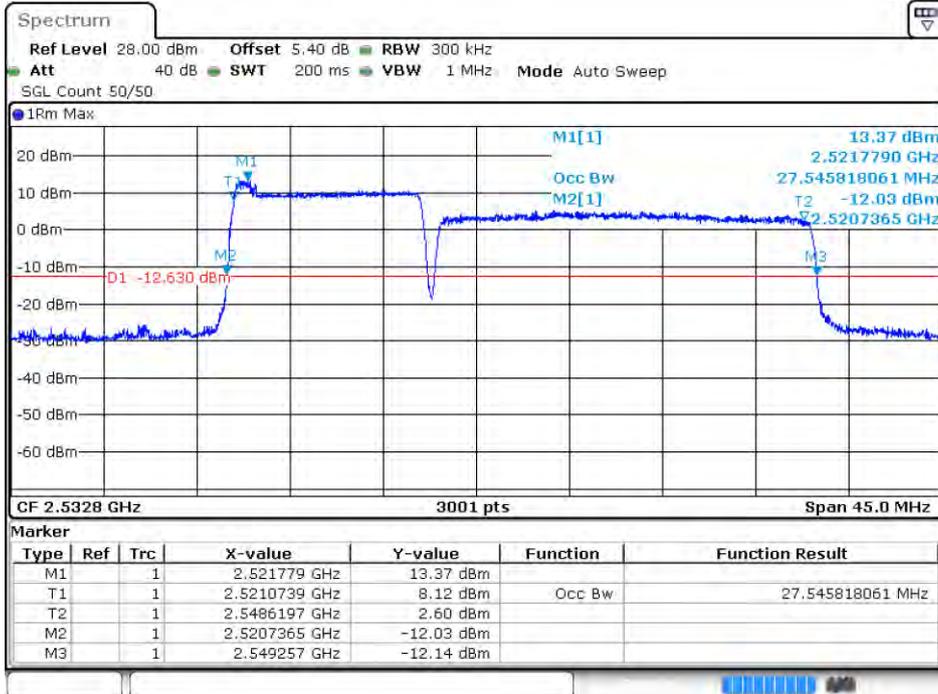
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### 4.1 For LTE

#### 4.1.1 Test Band = LTE Band CA\_7C

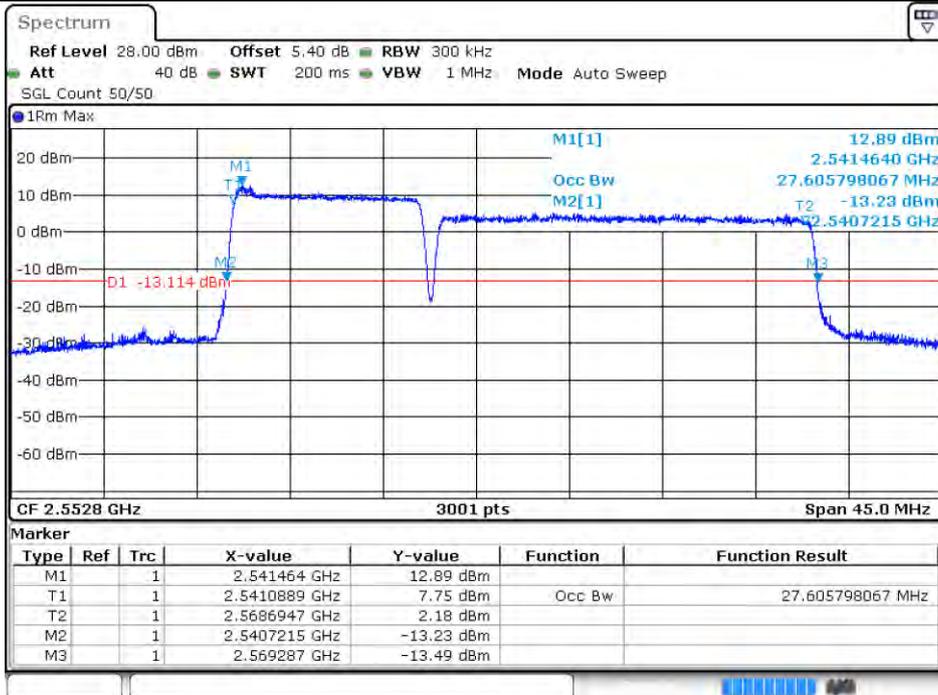


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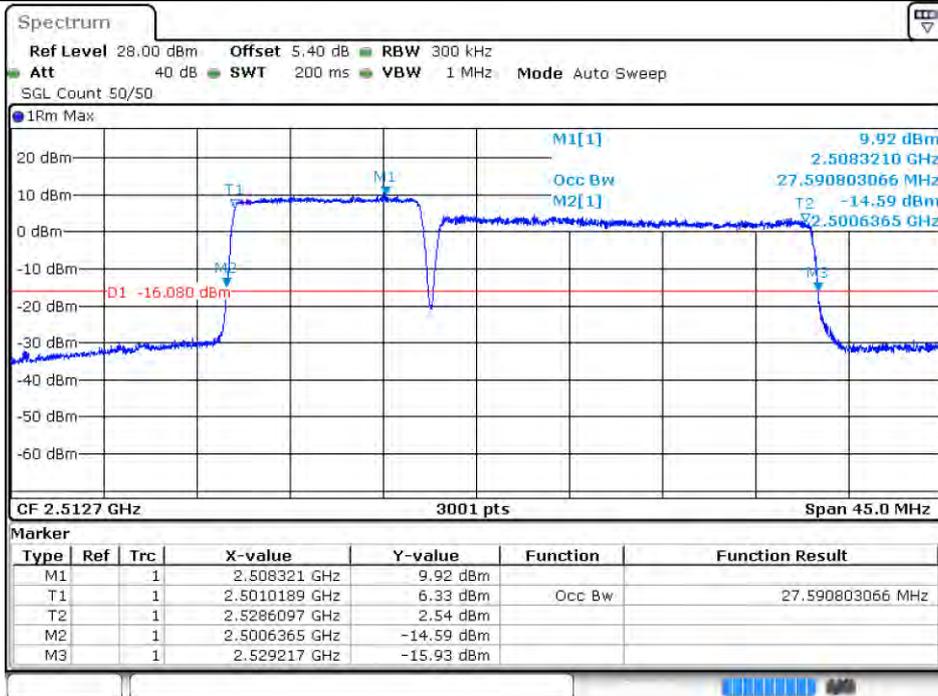
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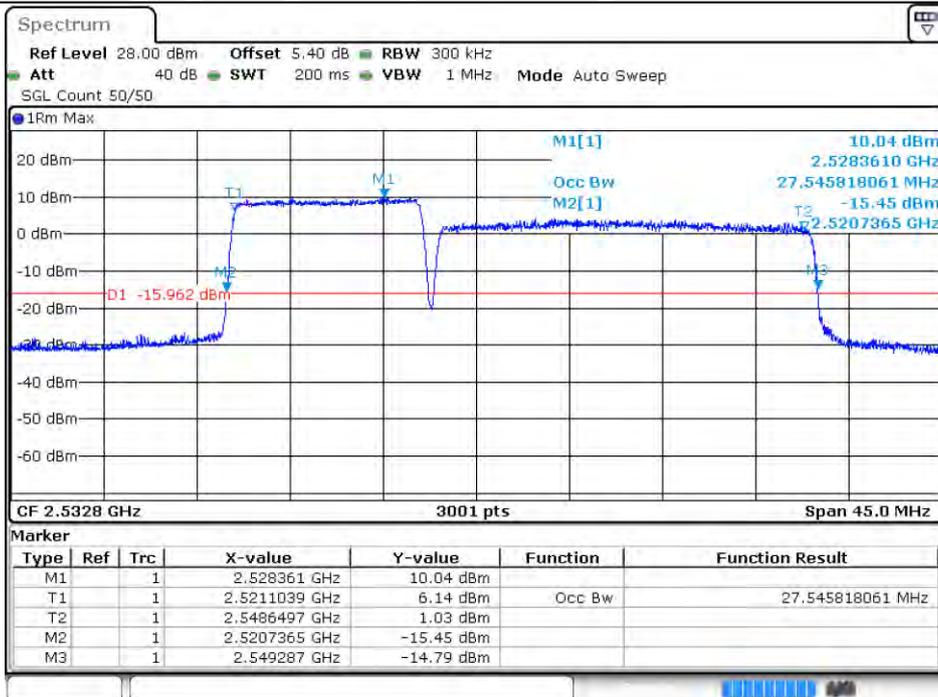


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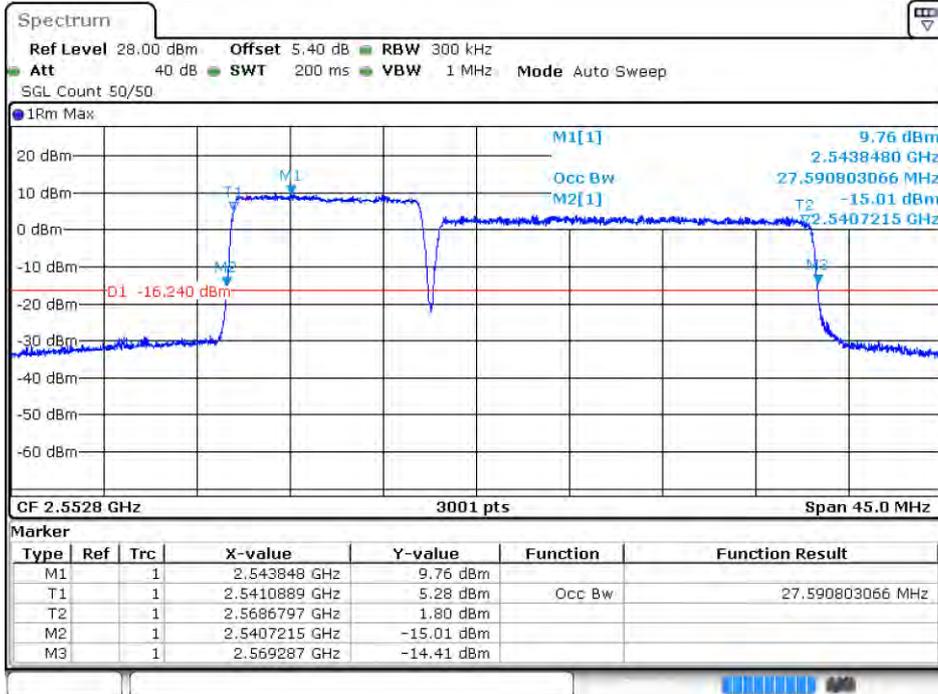
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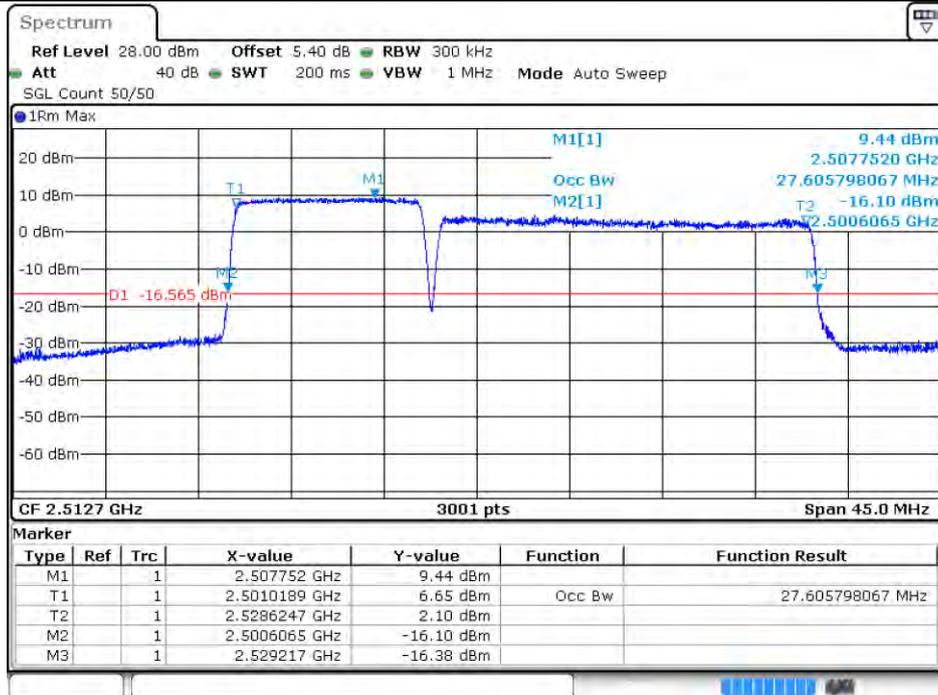


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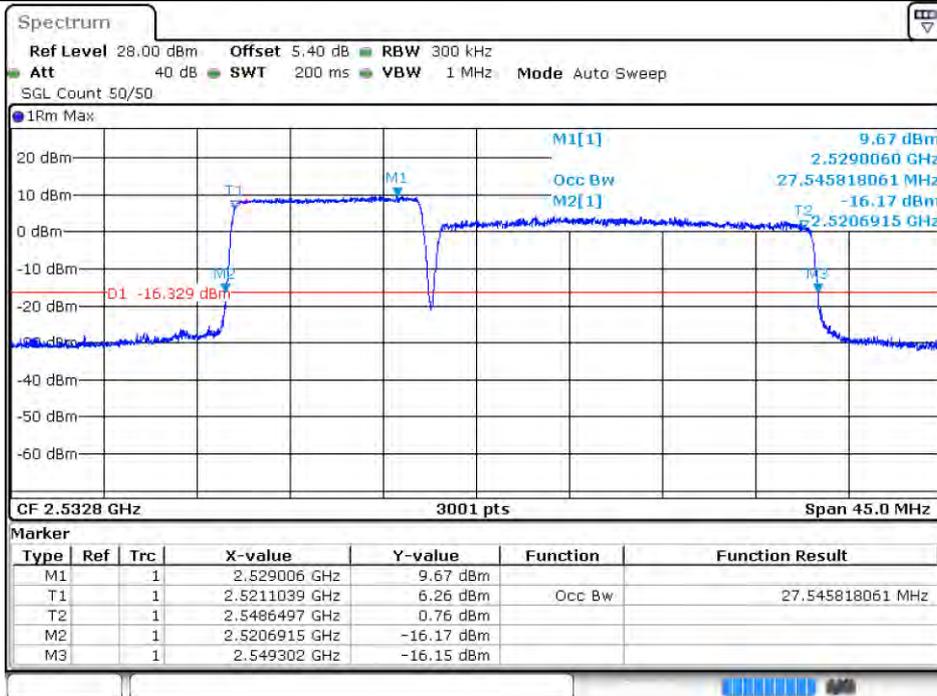
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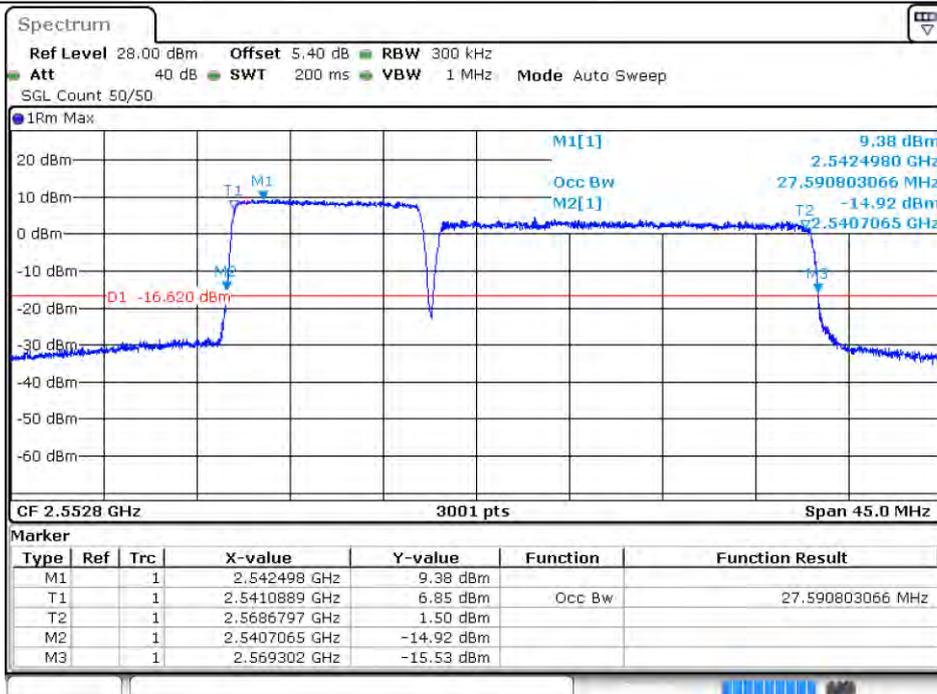


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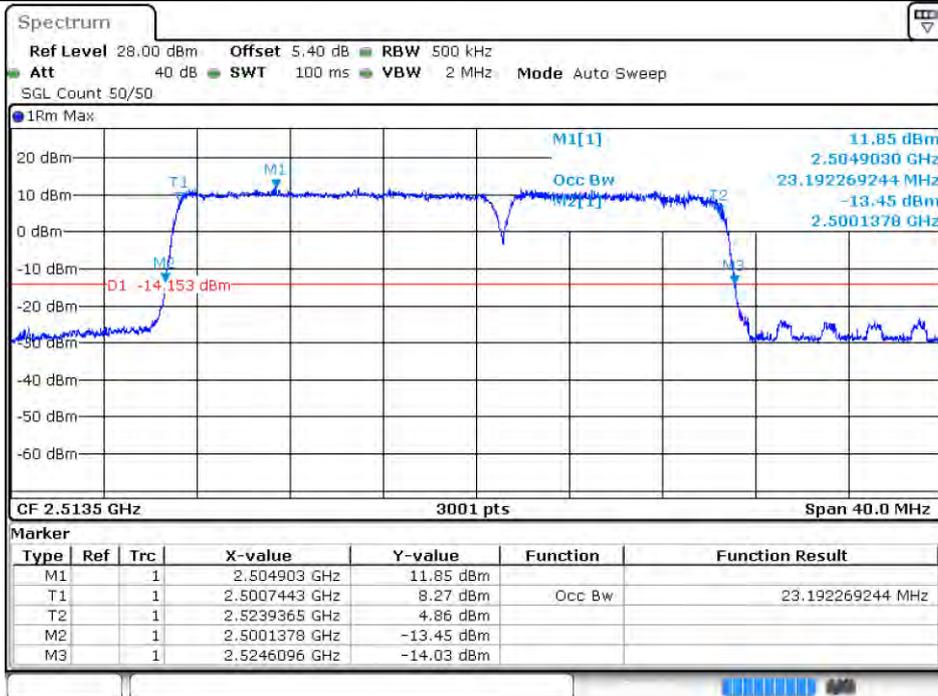
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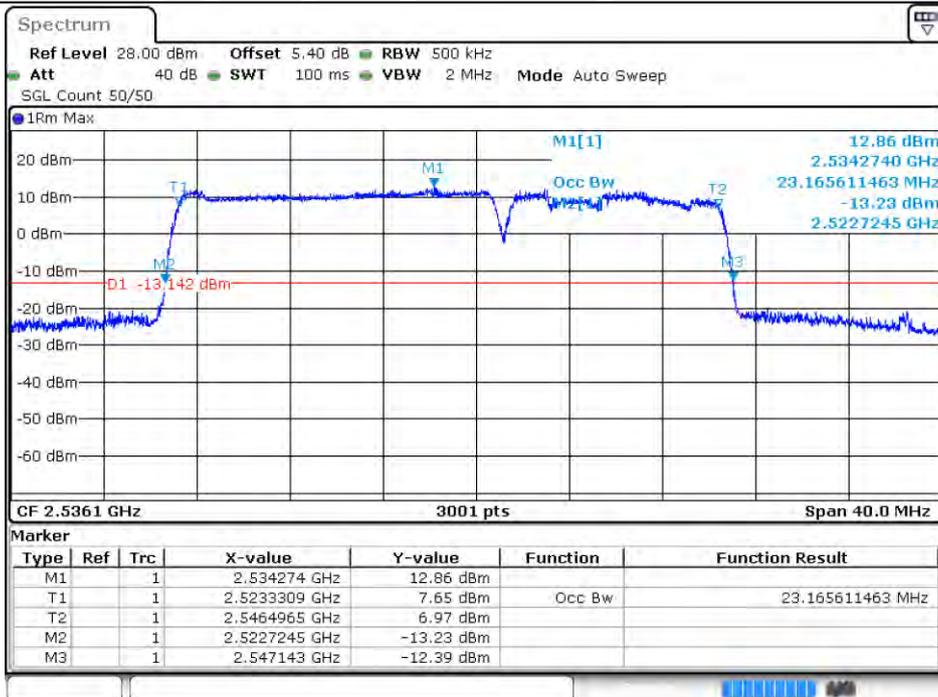


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Date: 6.DEC.2020 16:25:30

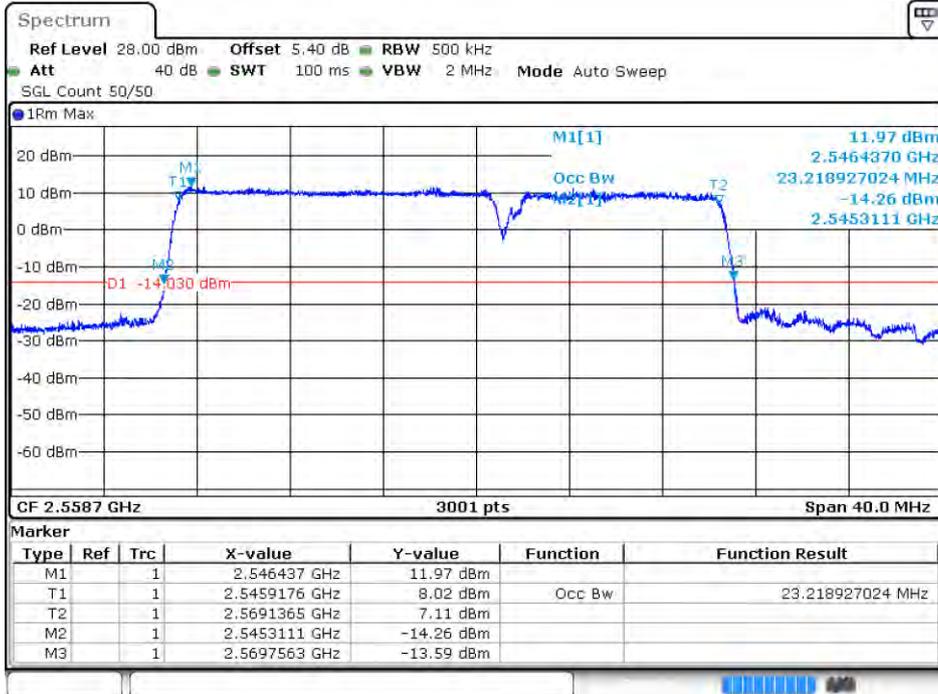
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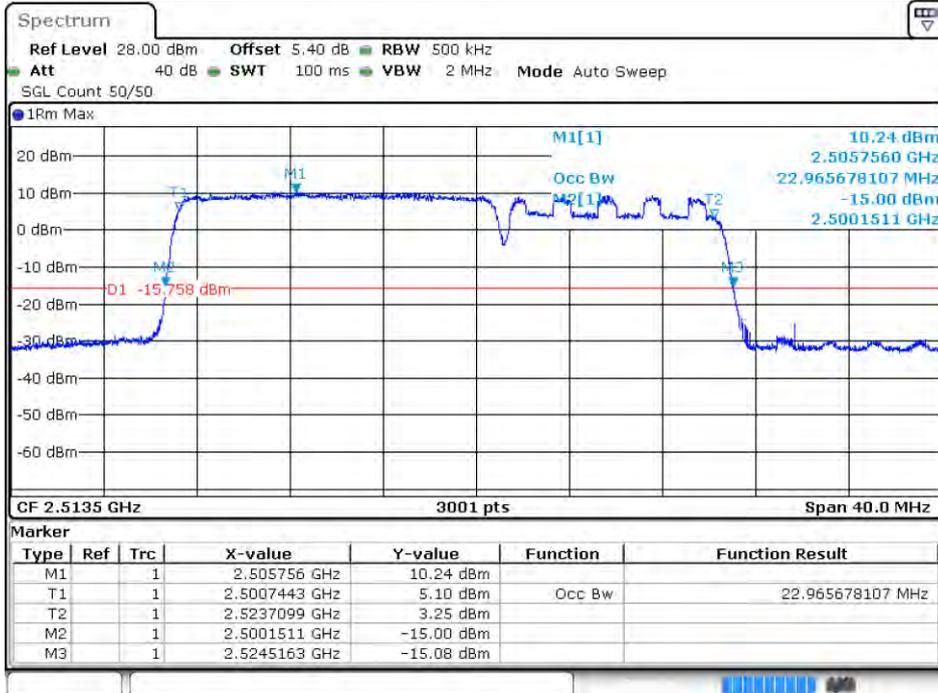


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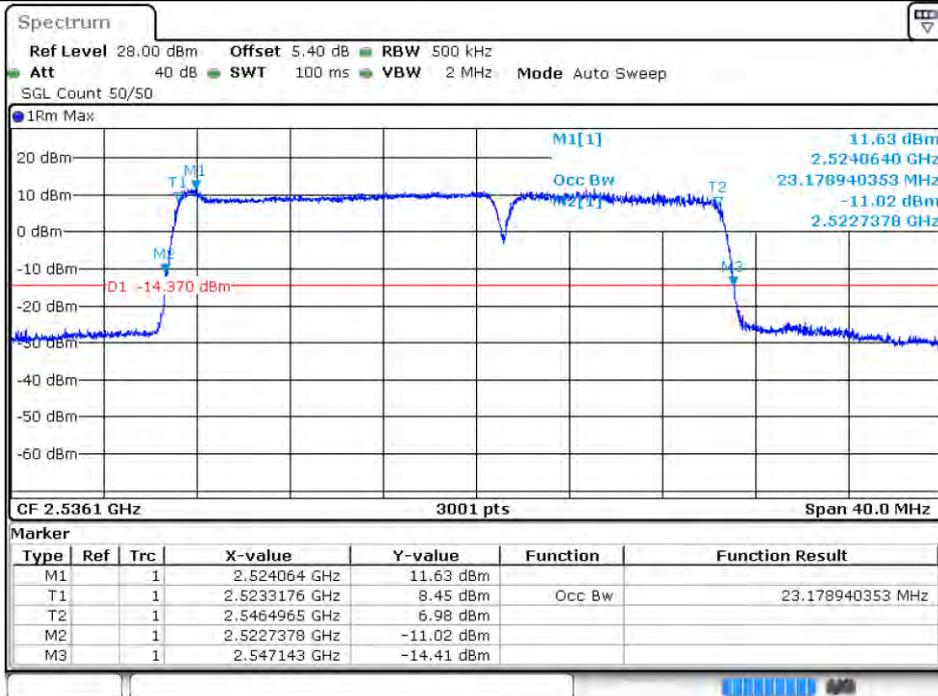
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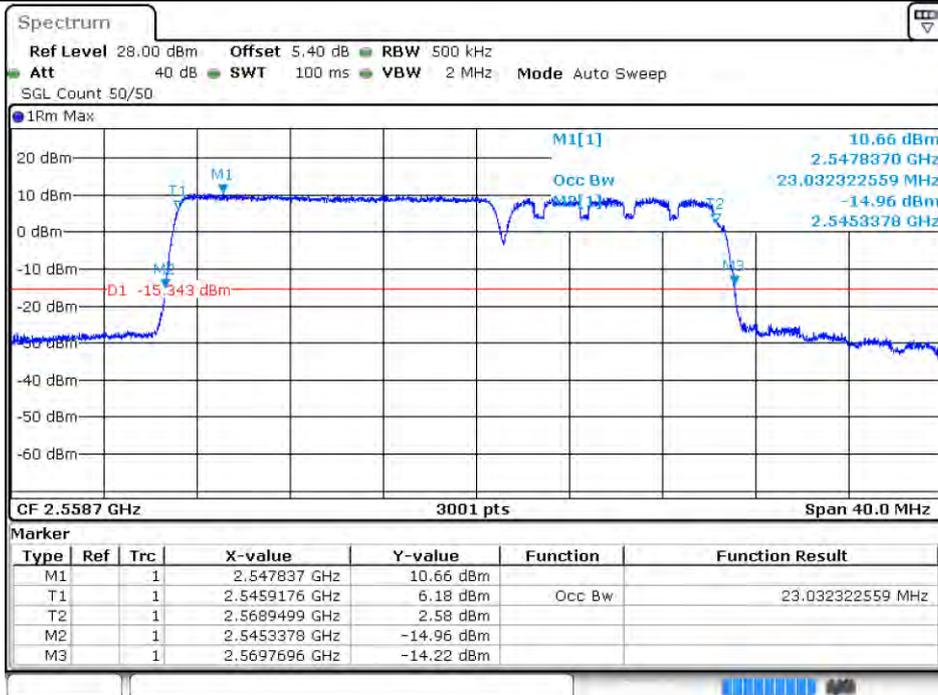


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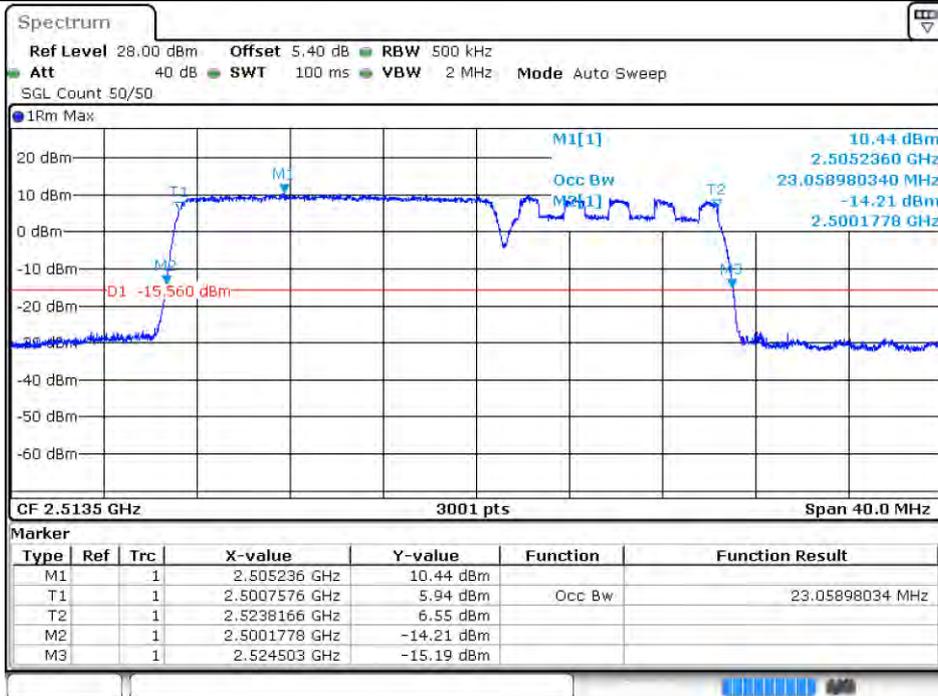
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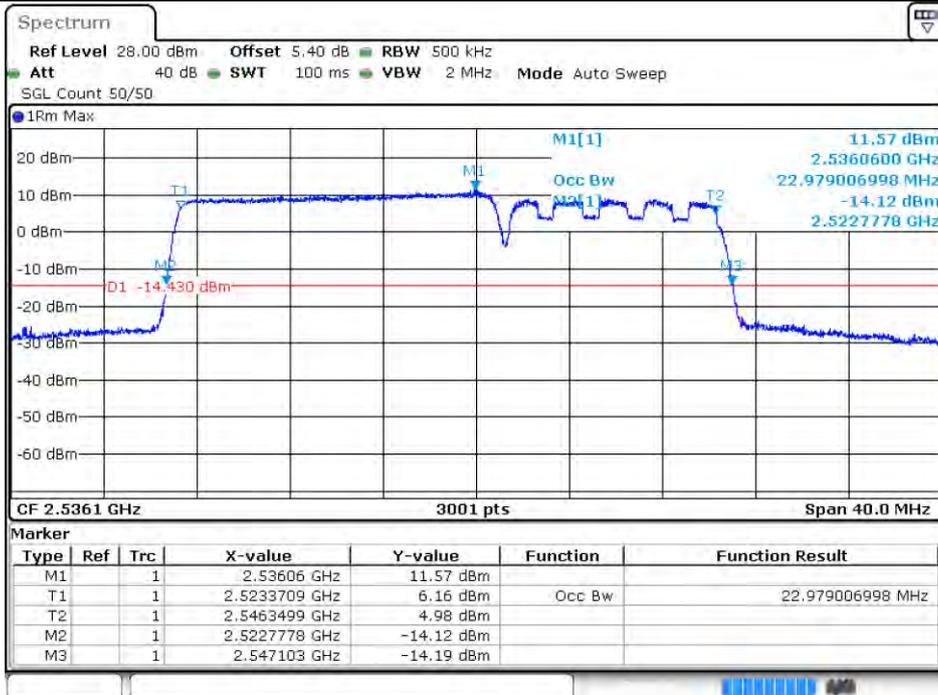


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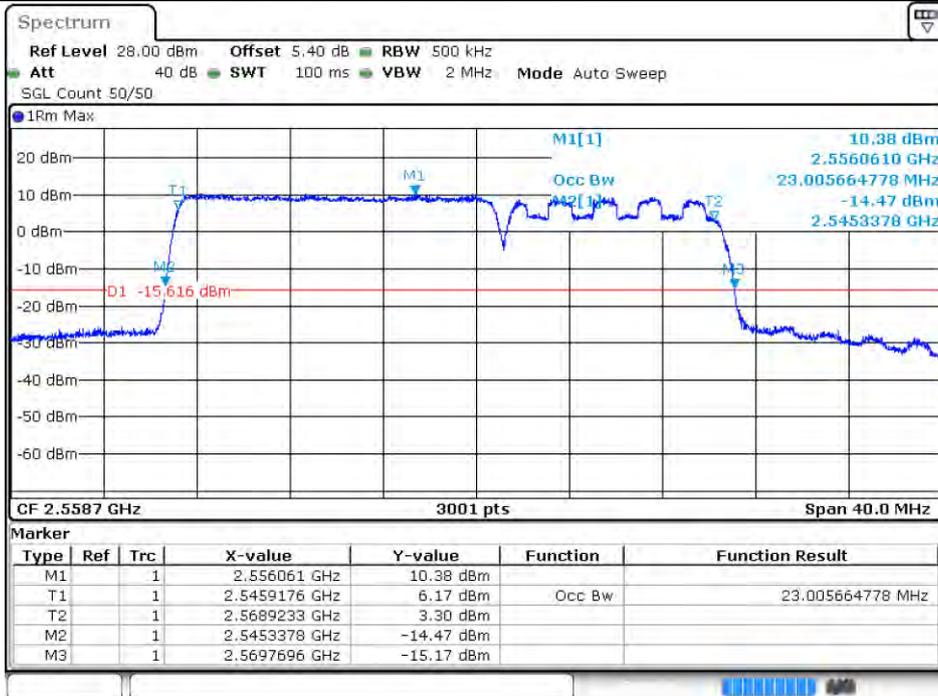
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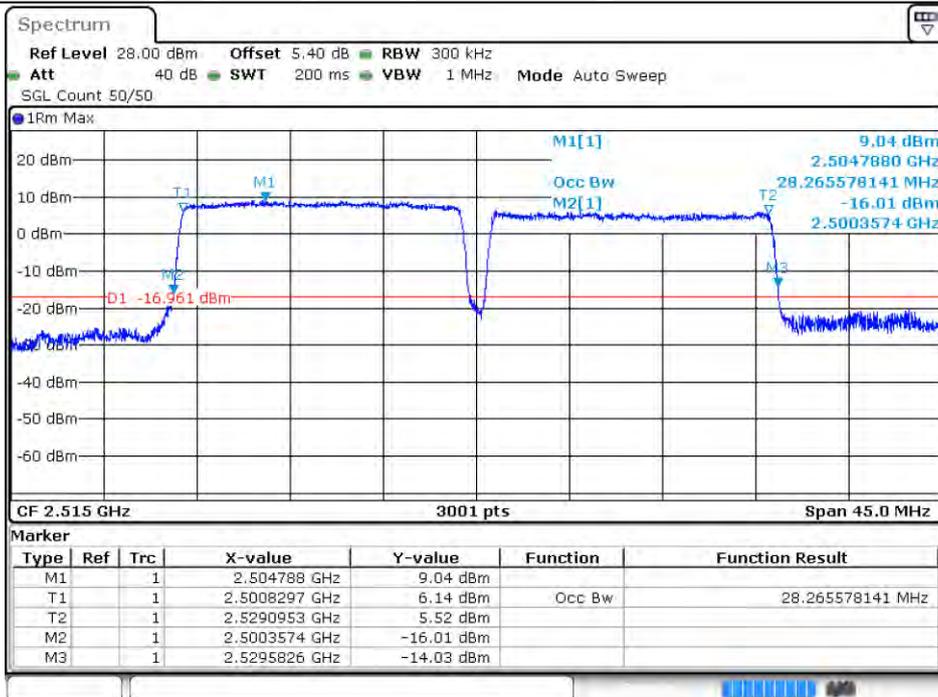


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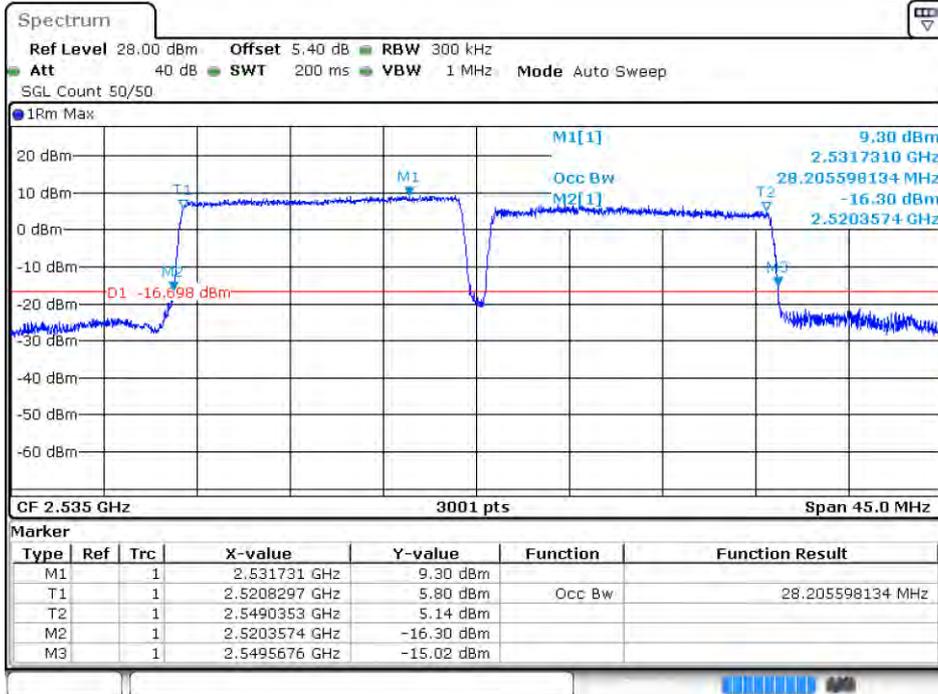
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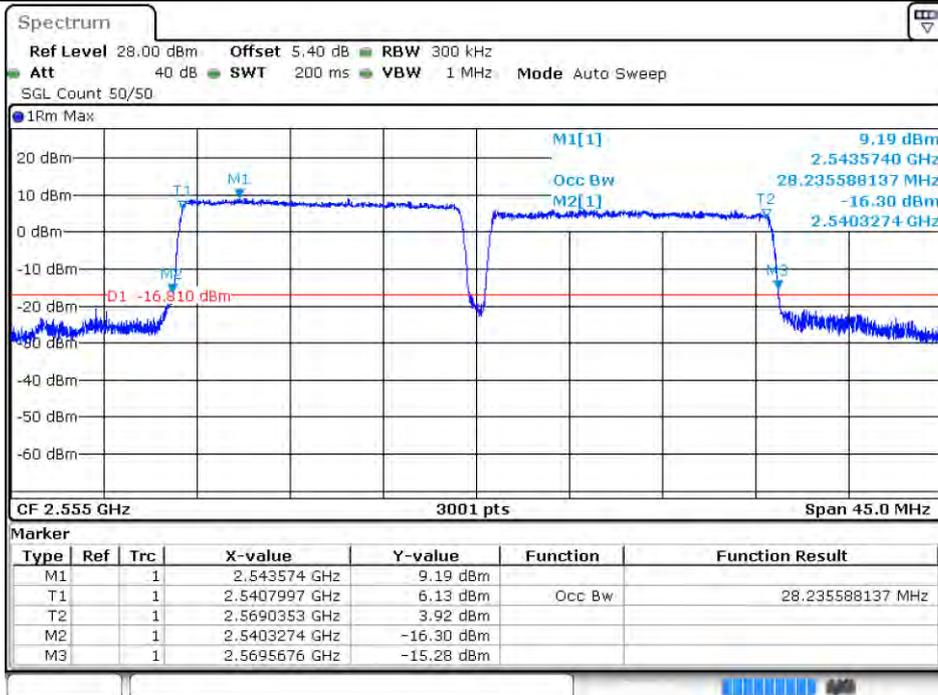


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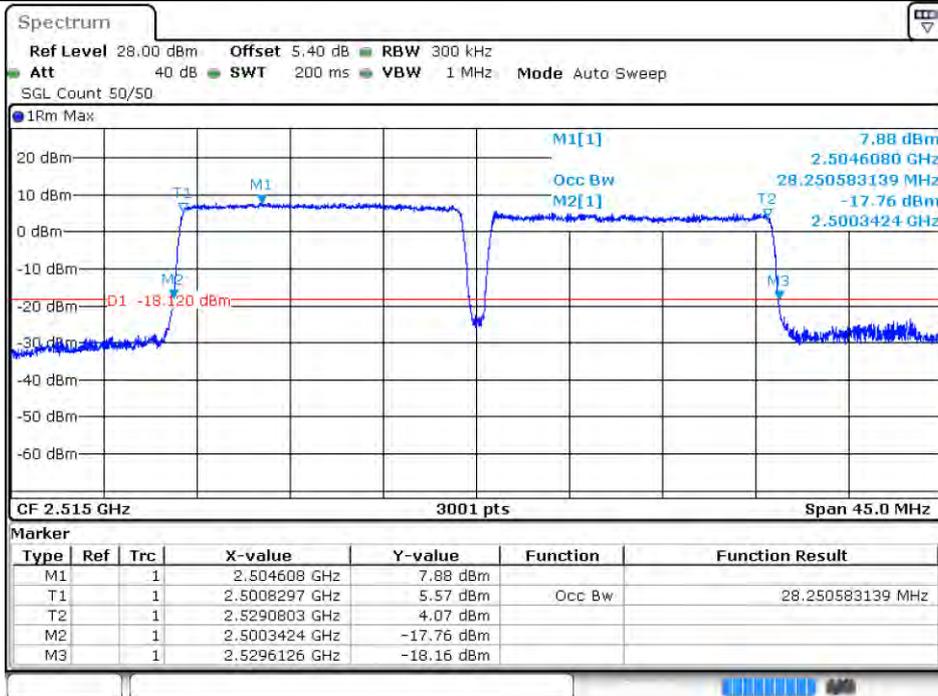
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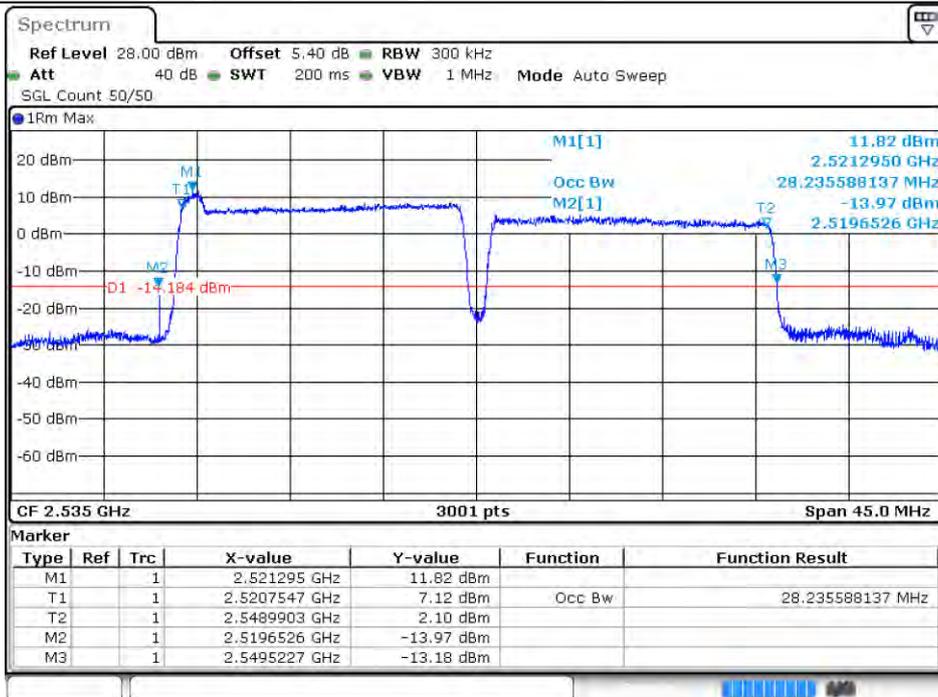


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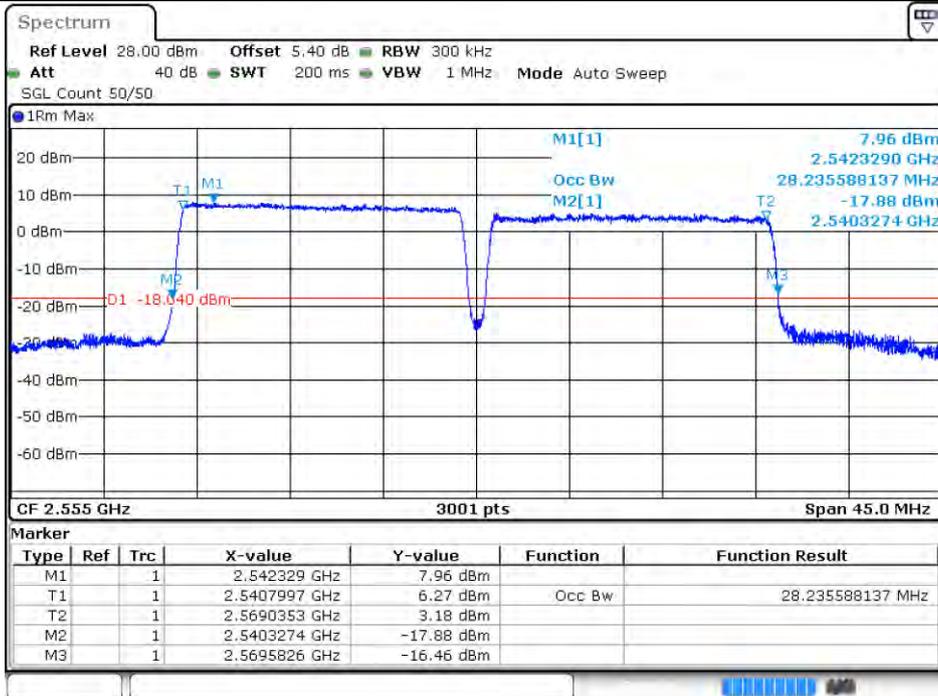
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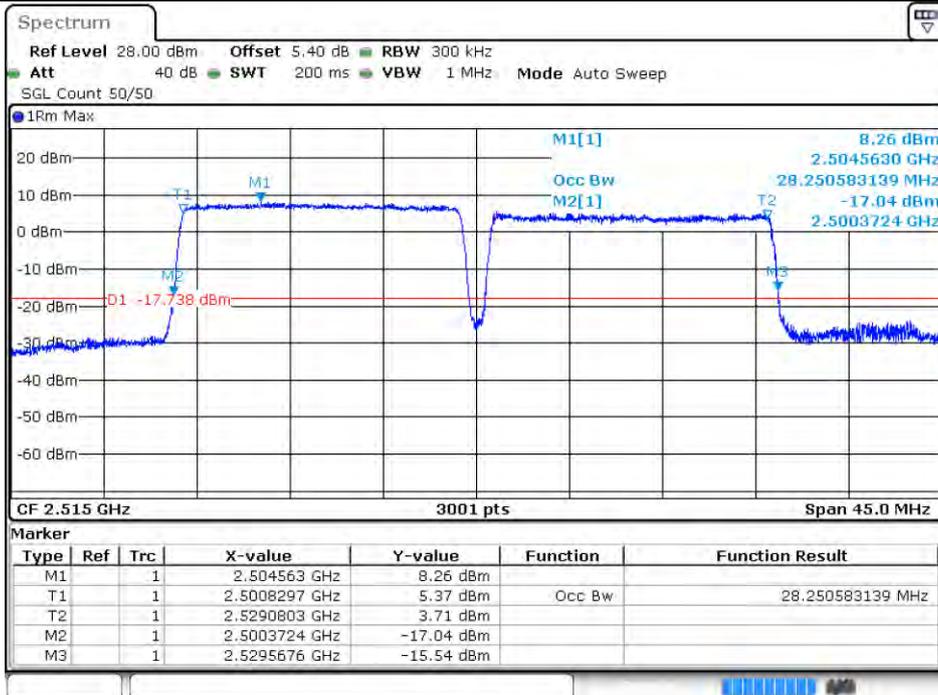


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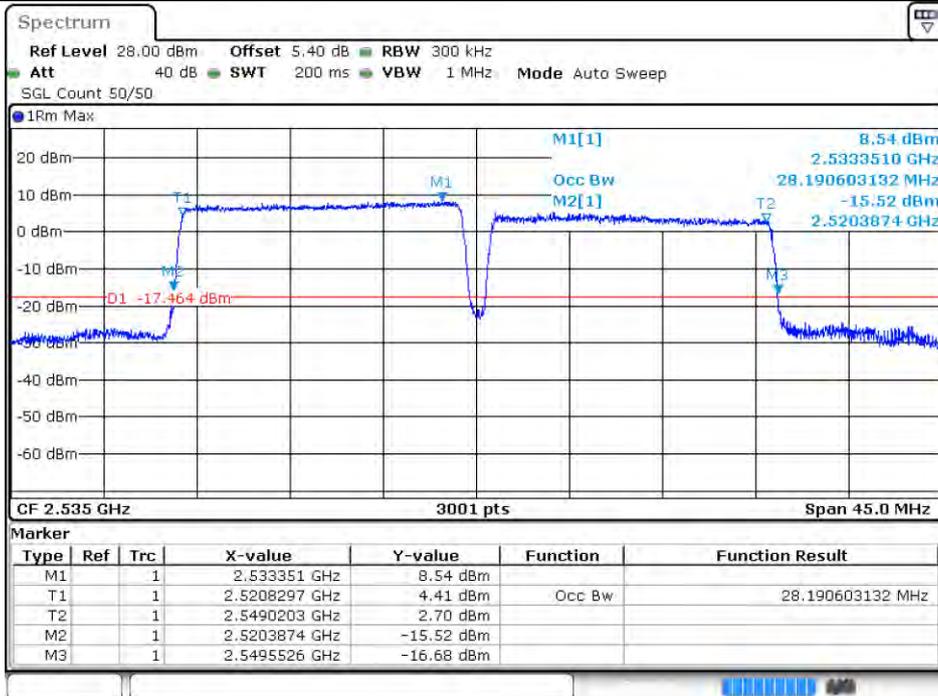
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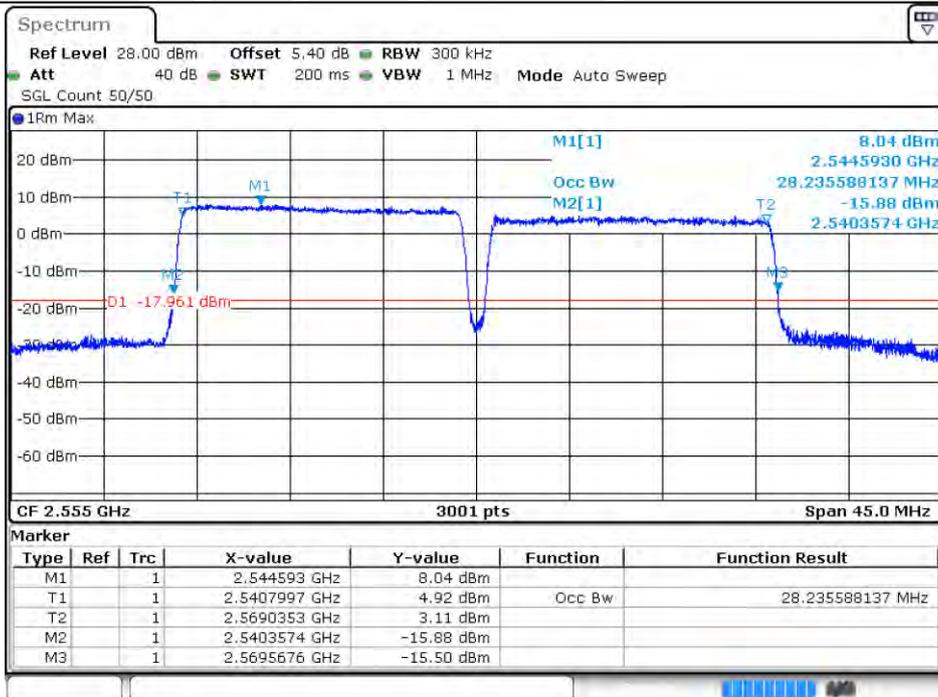


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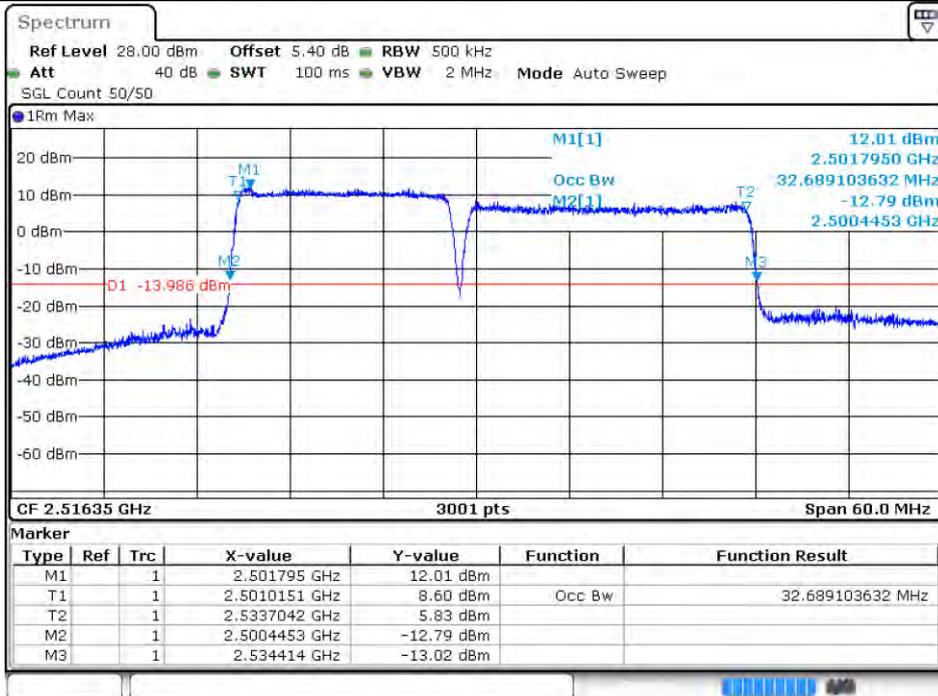
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Date: 6.DEC.2020 16:30:04

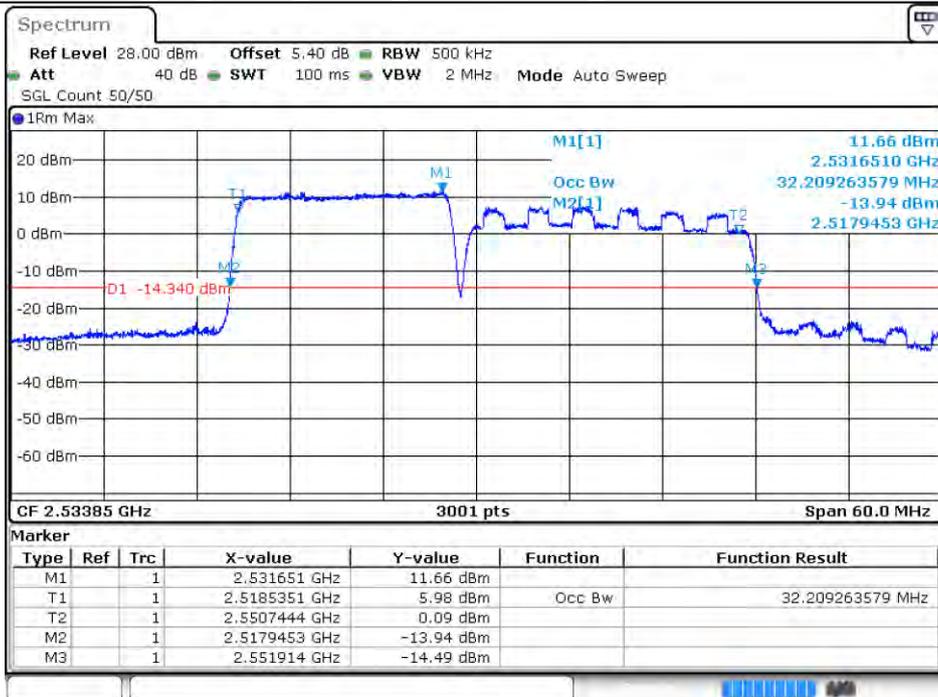


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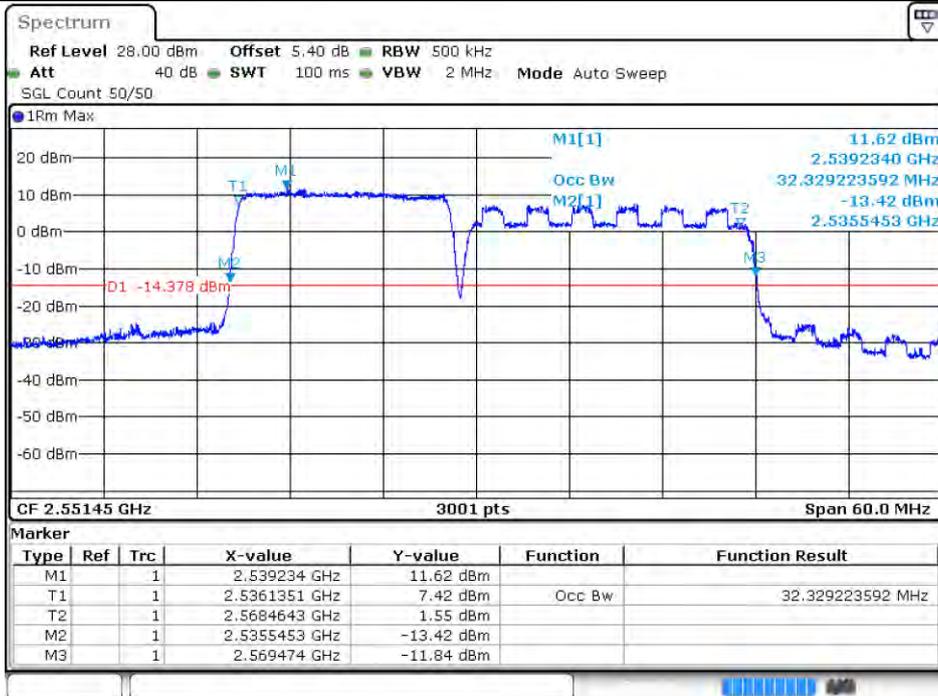
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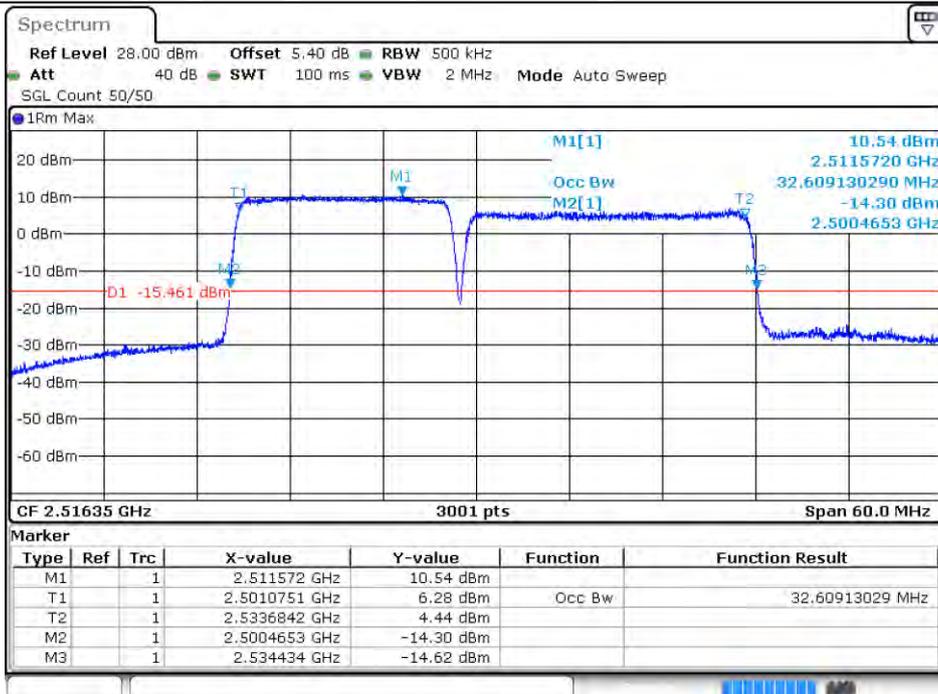


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Date: 6.DEC.2020 16:31:49

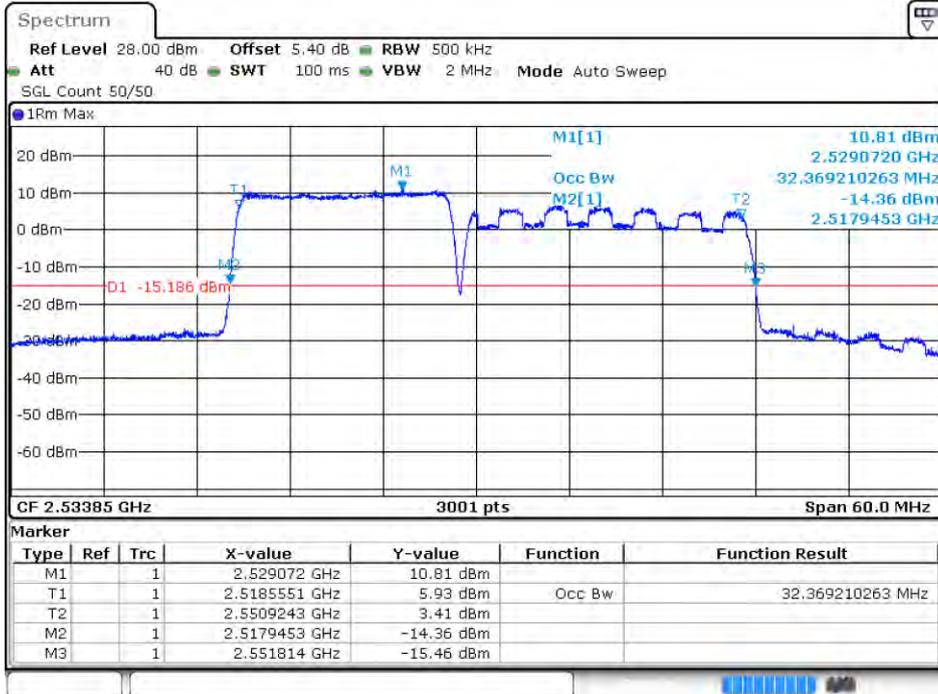
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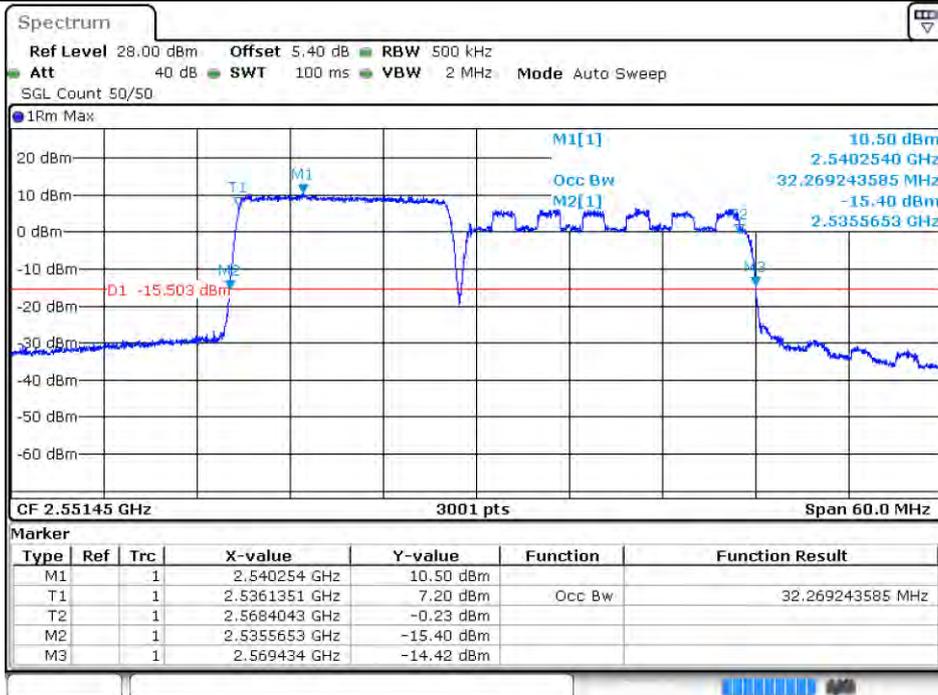


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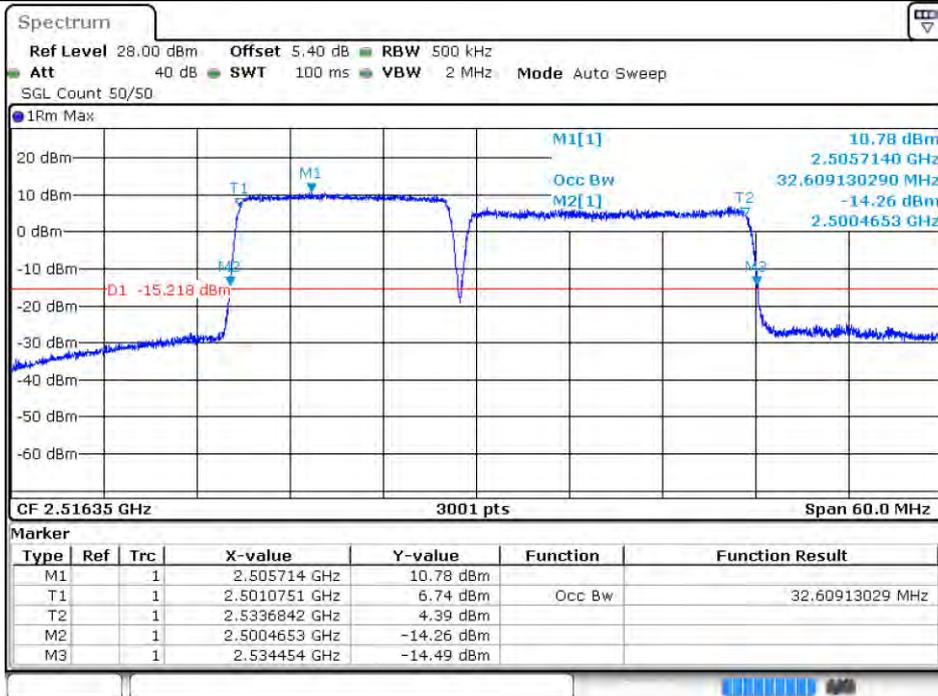
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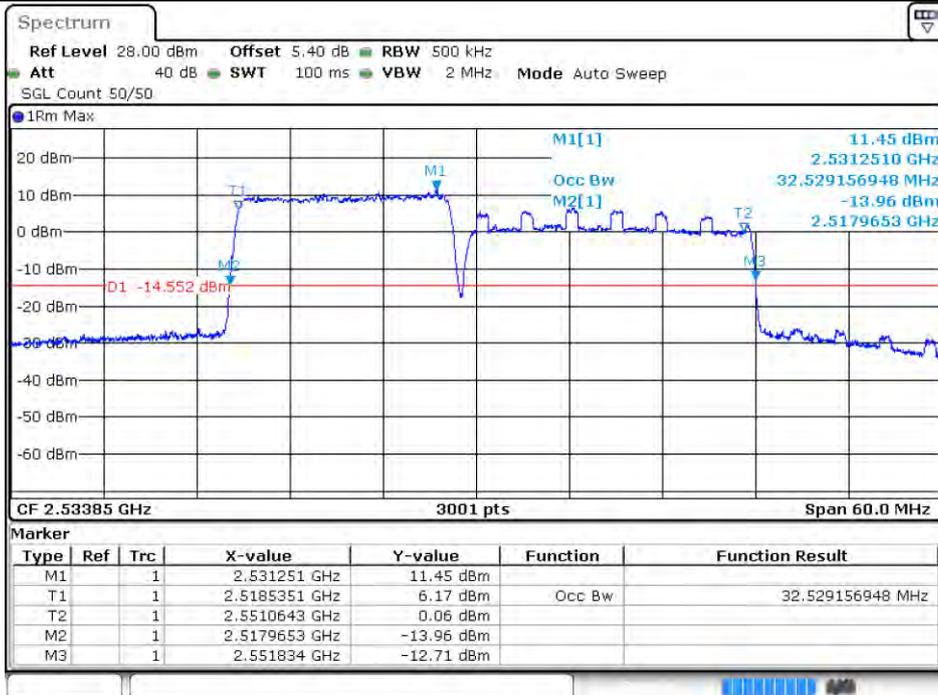


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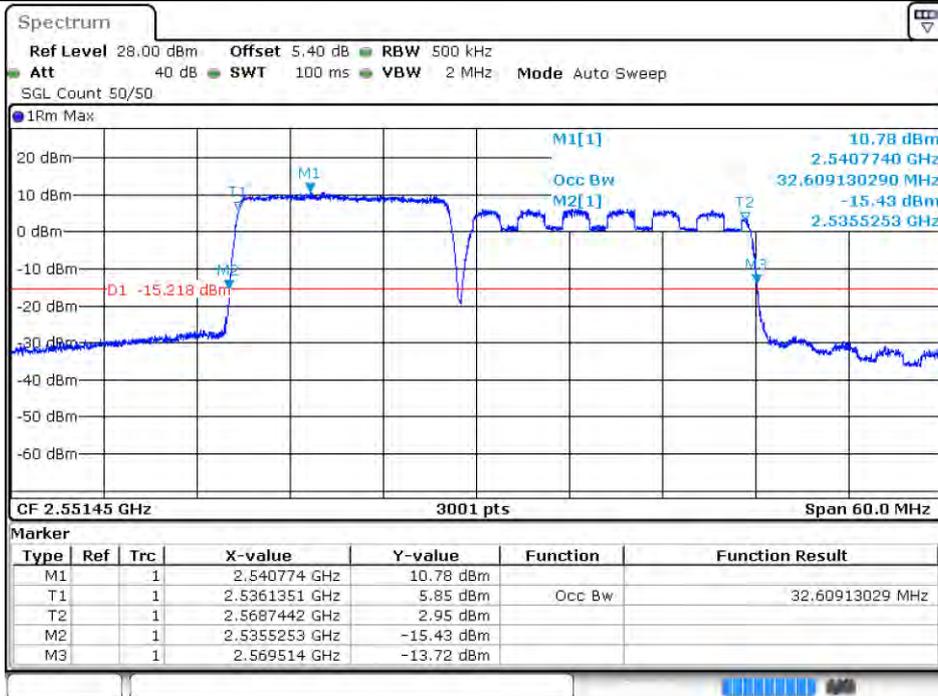
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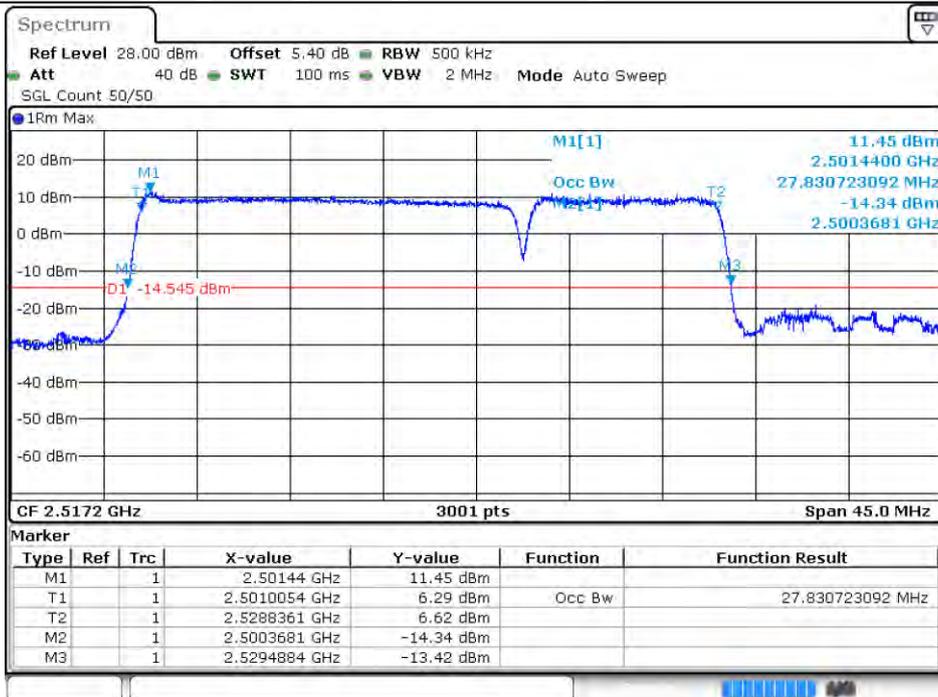


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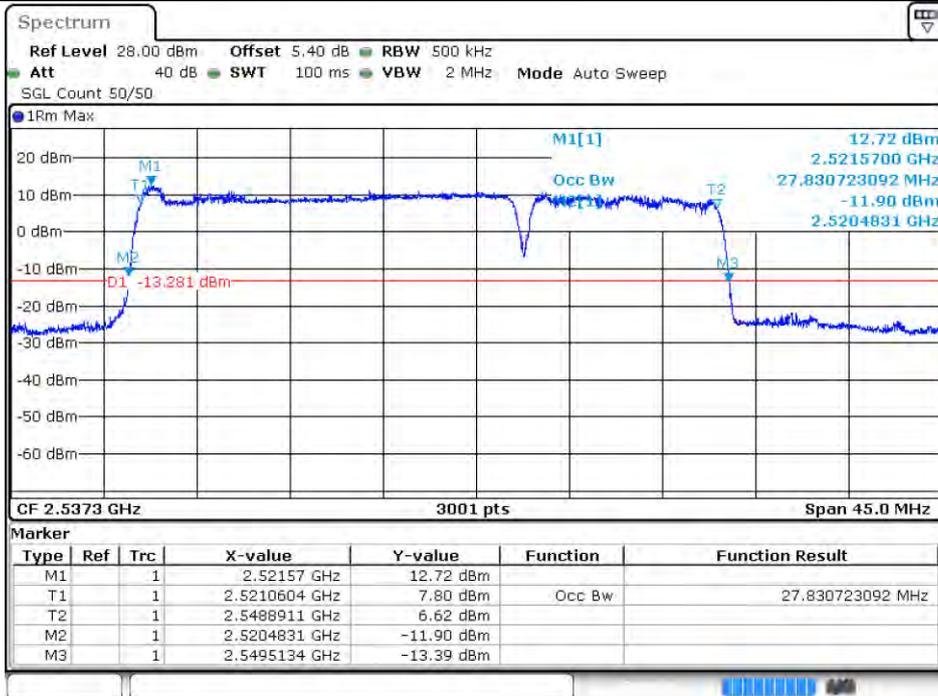
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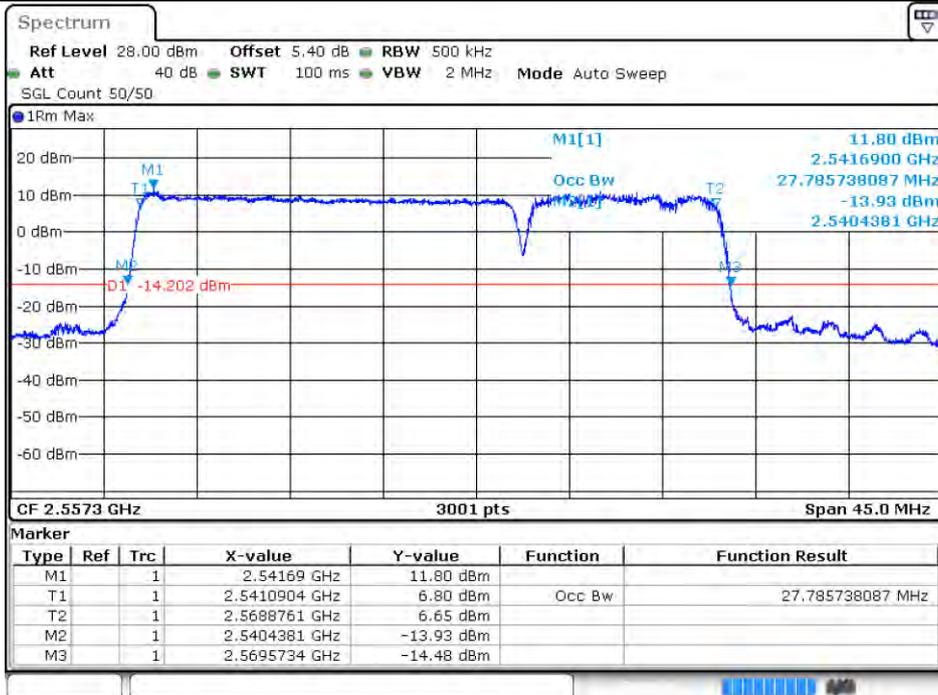


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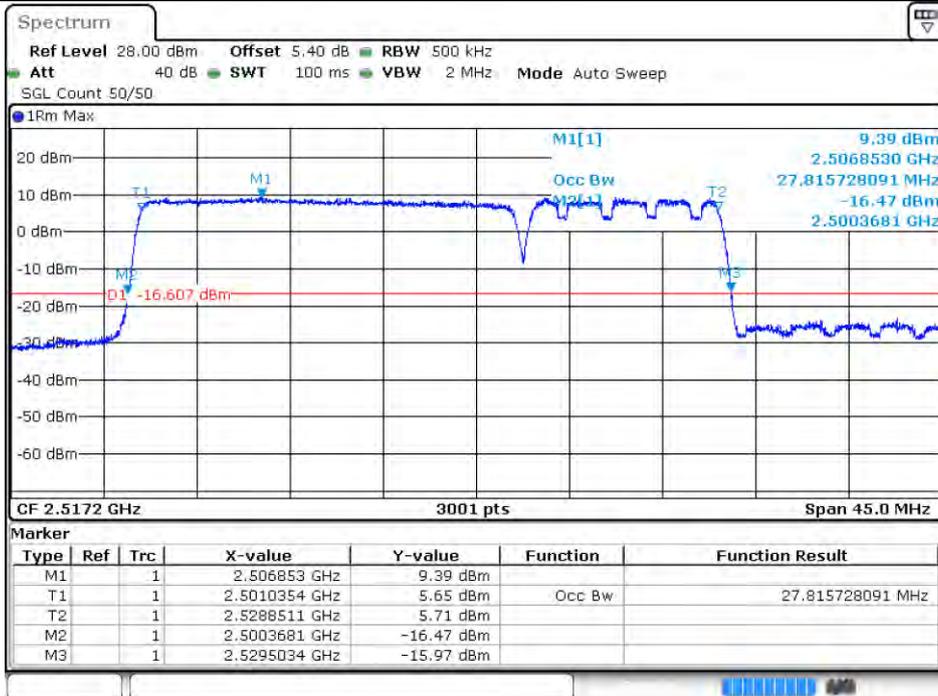
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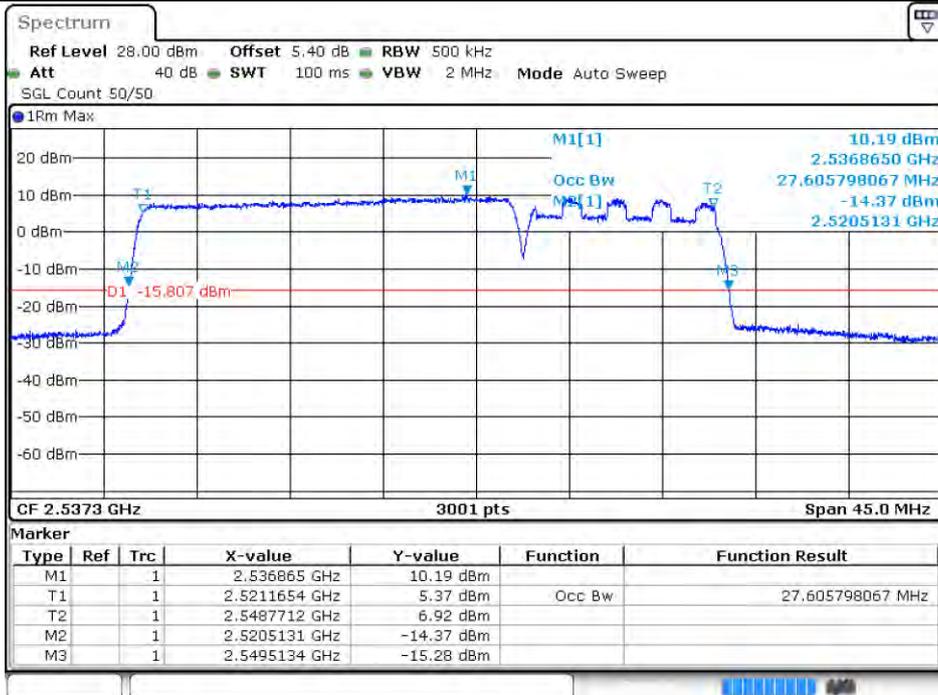


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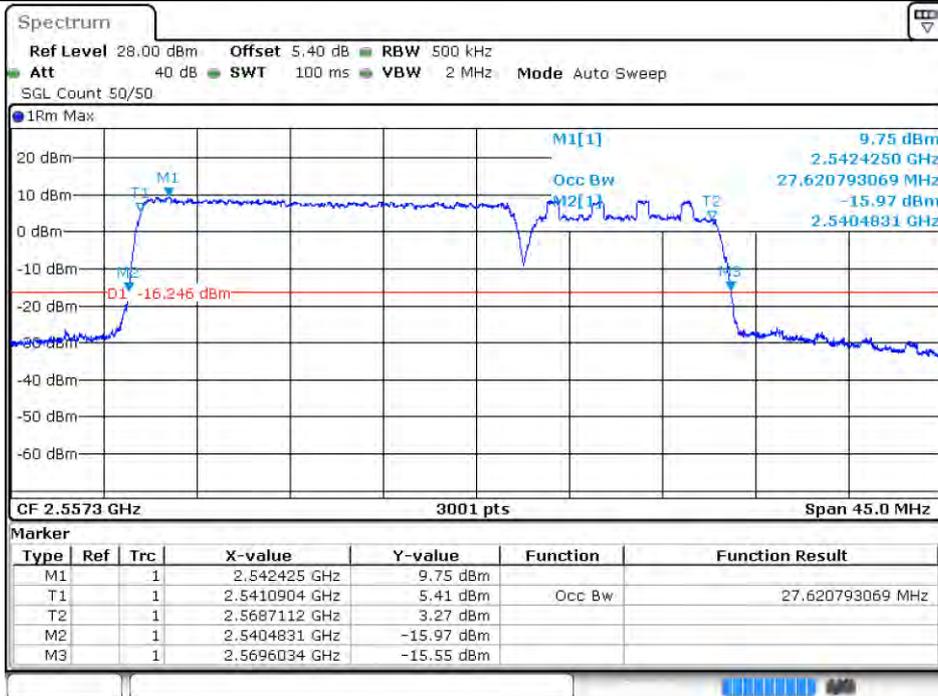
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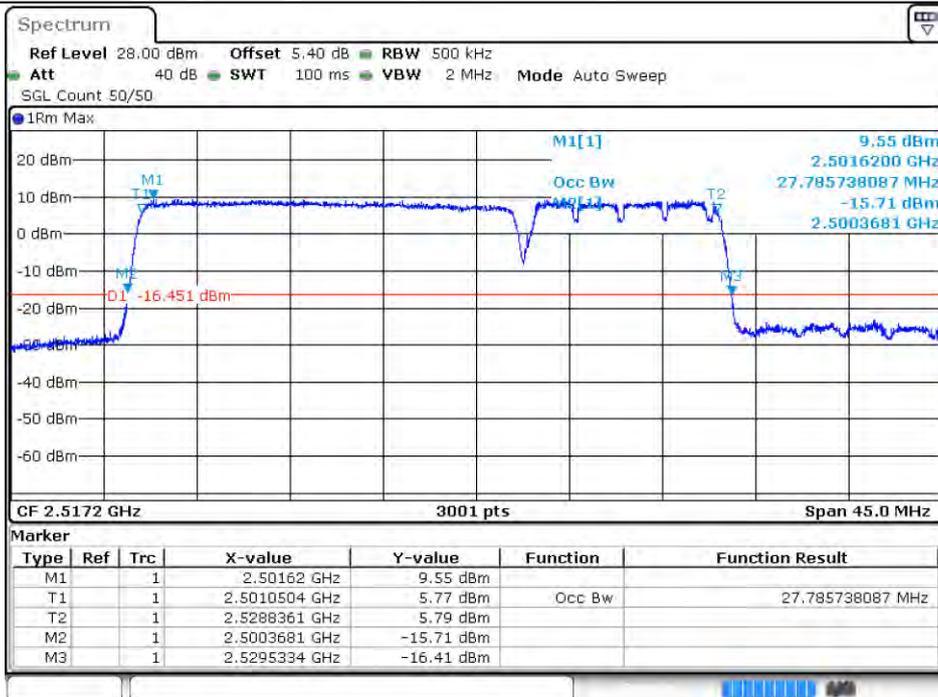


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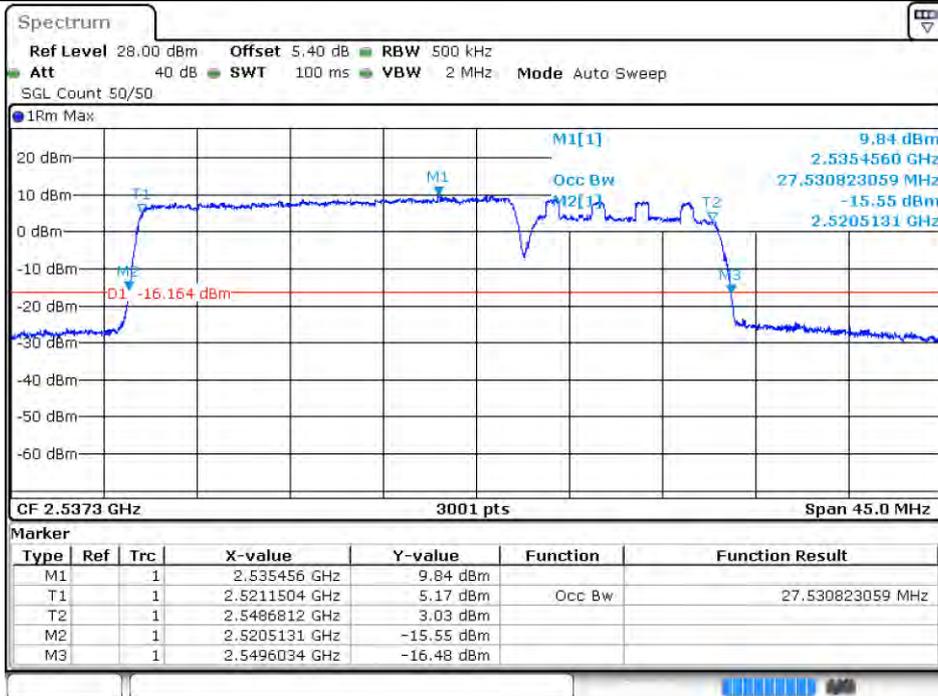
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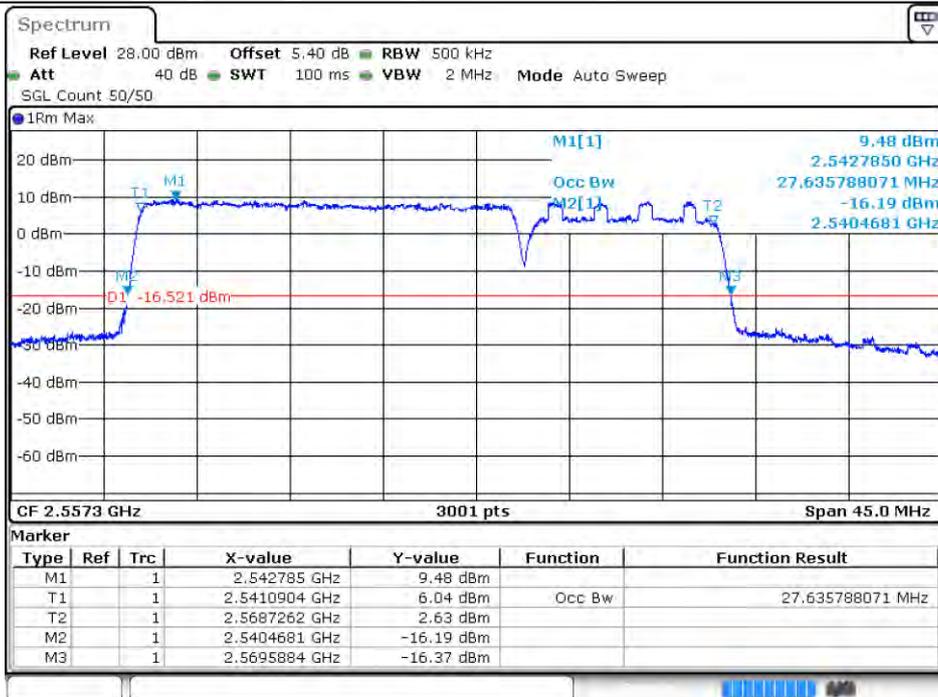


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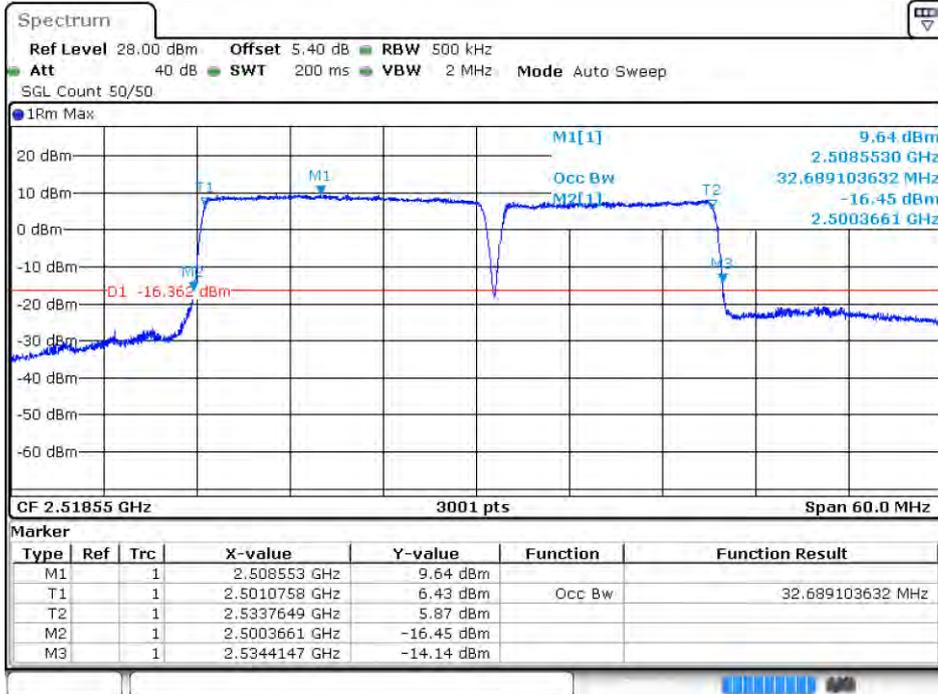
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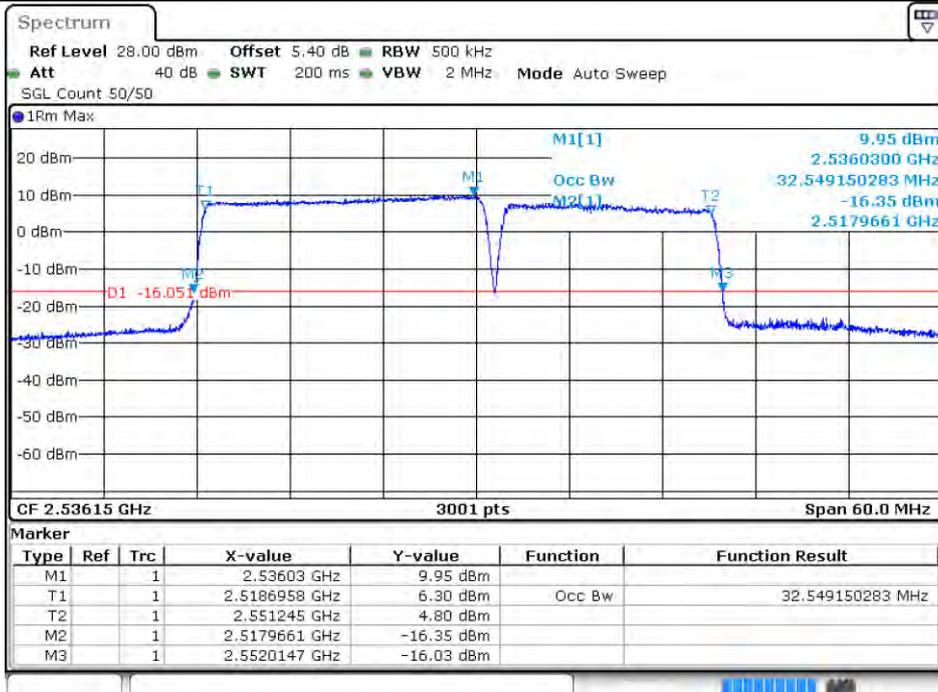


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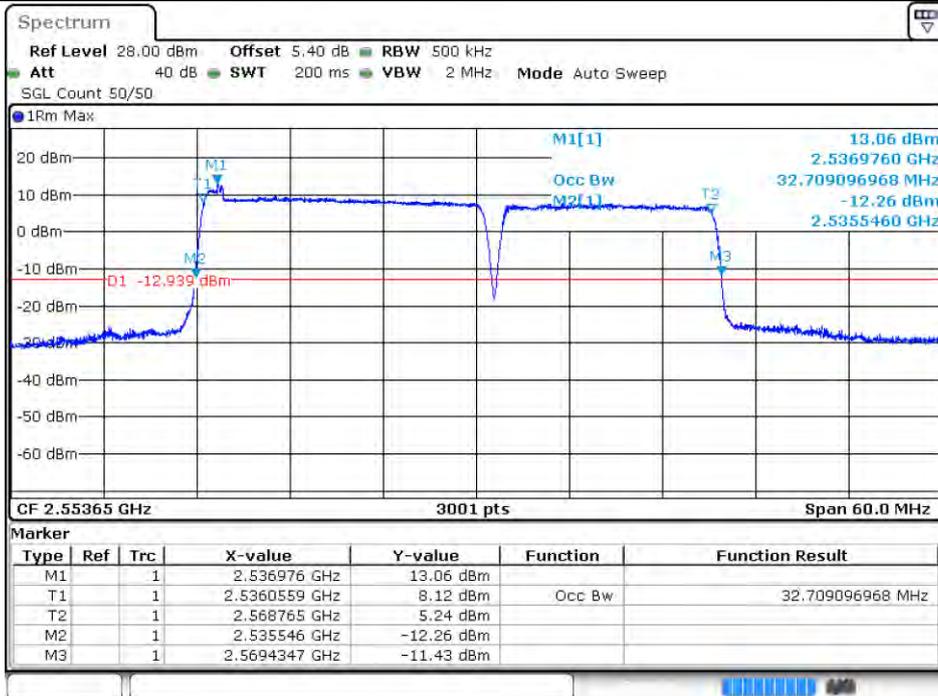
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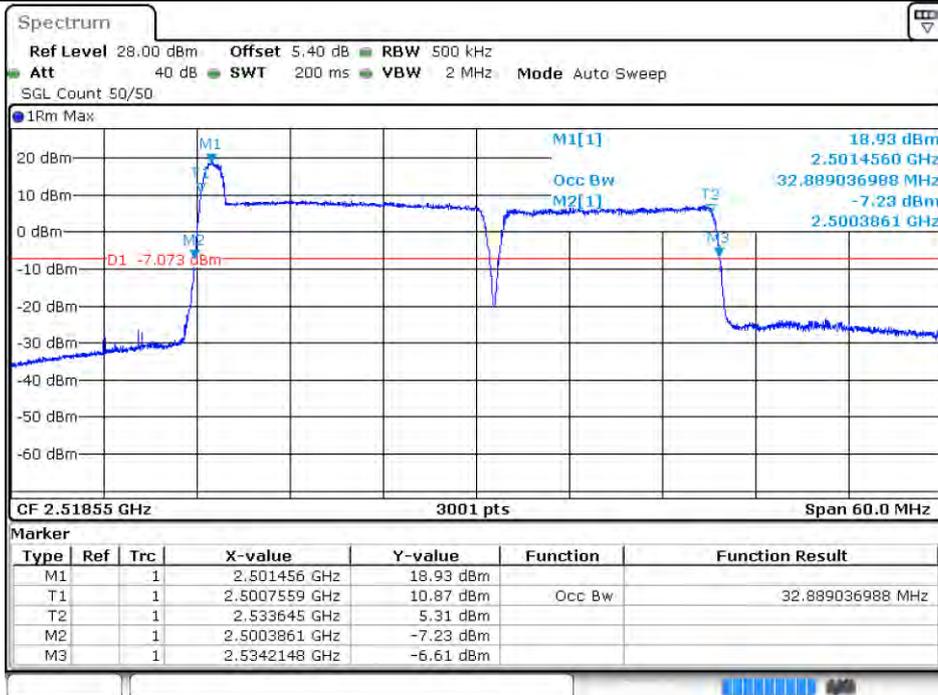


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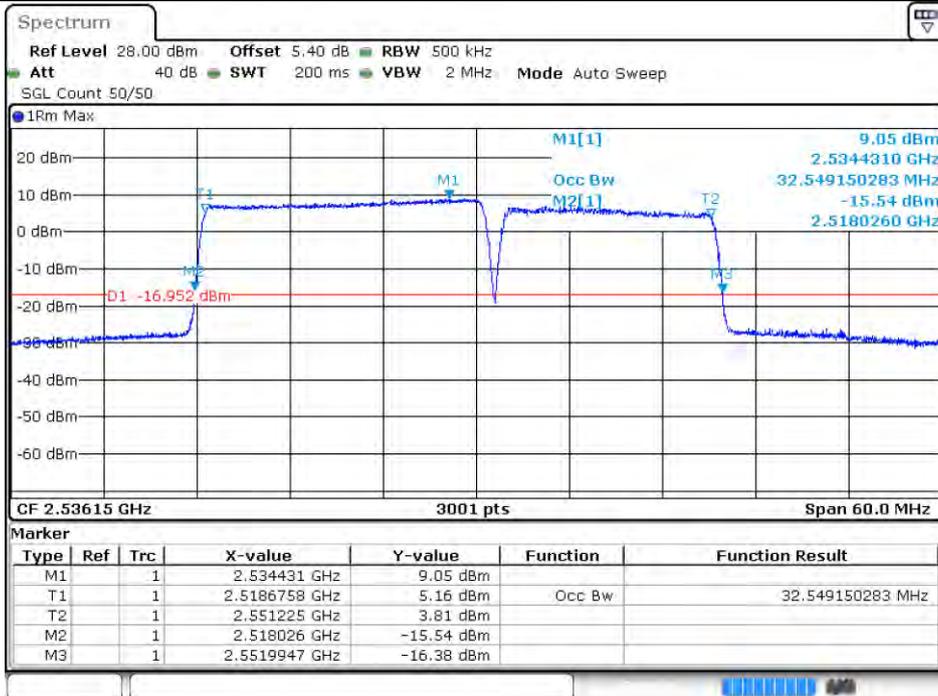
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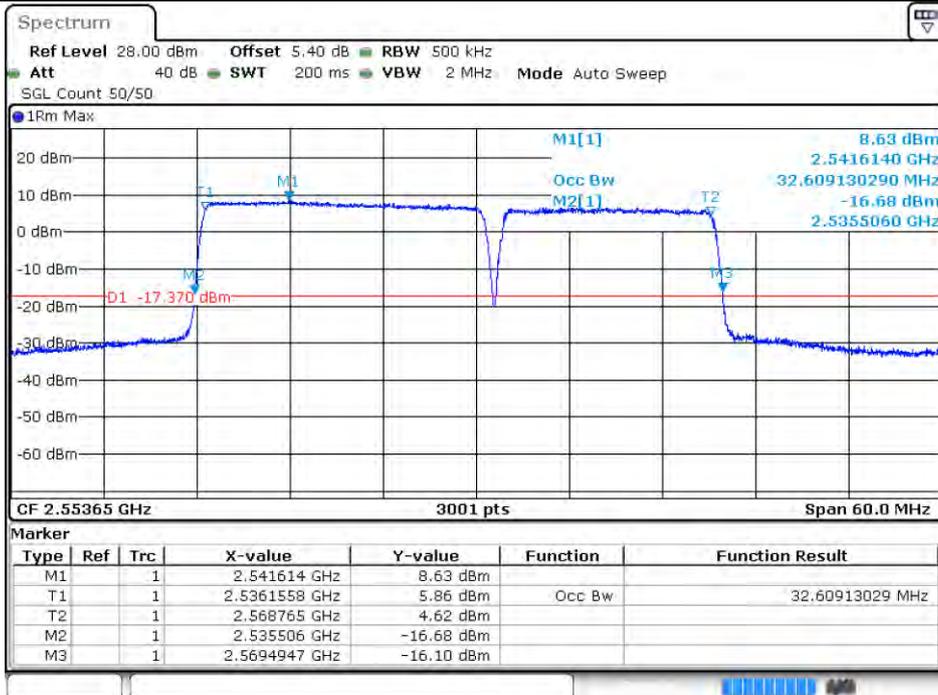


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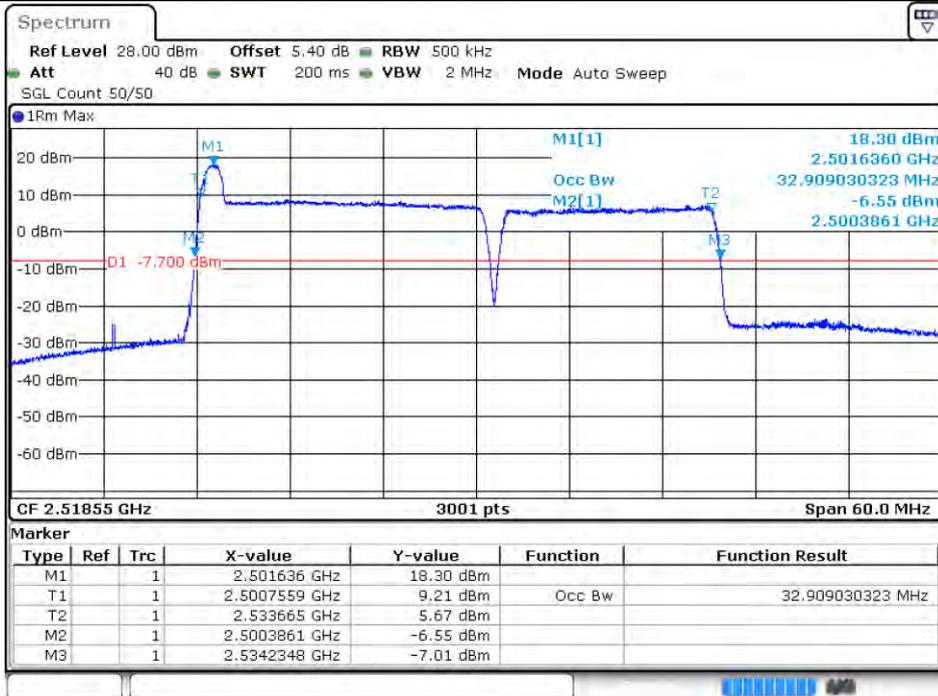
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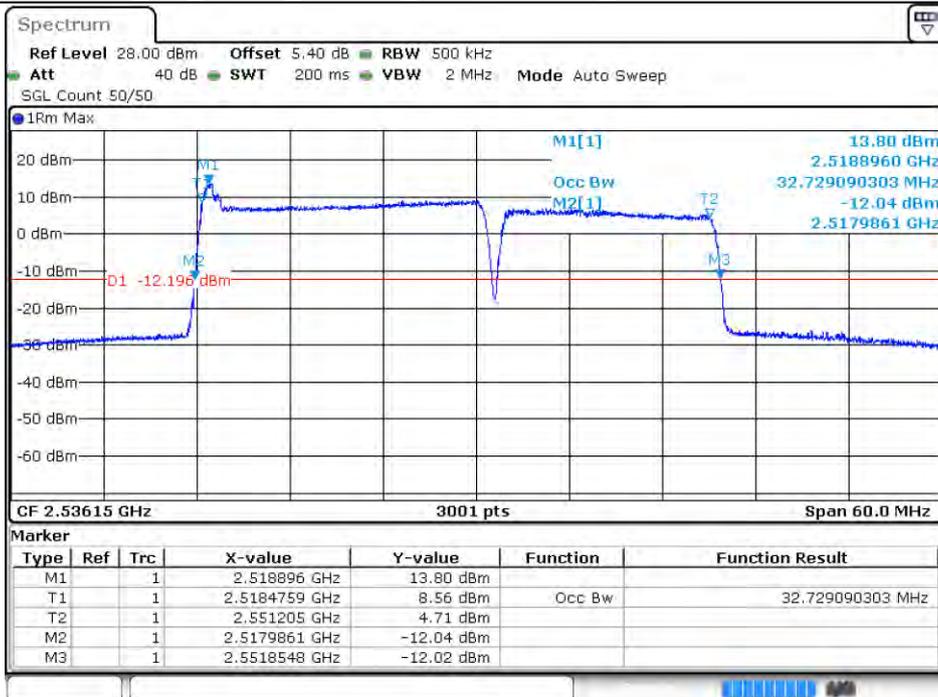


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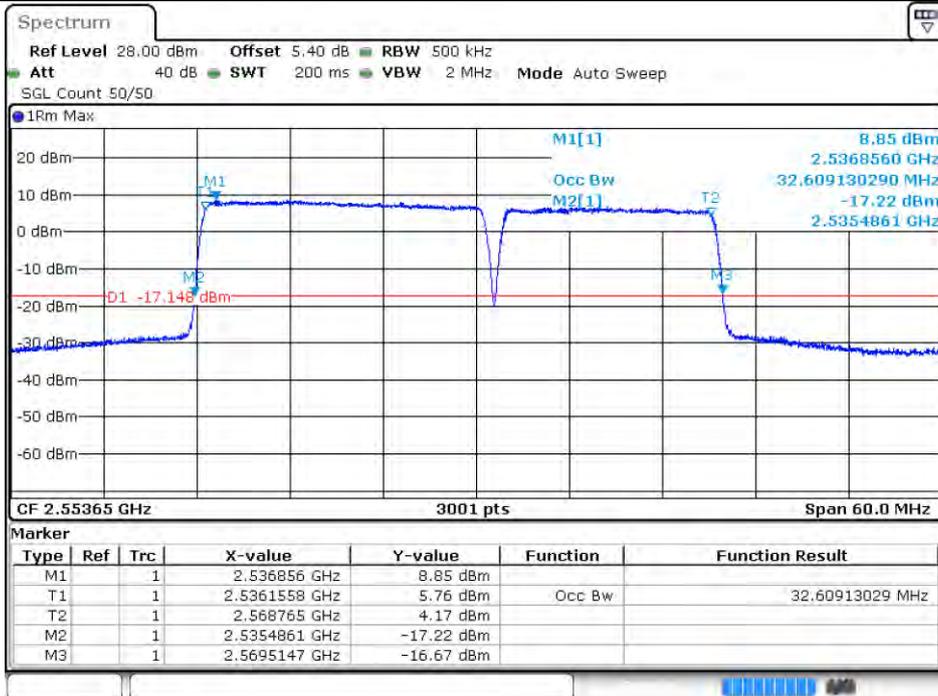
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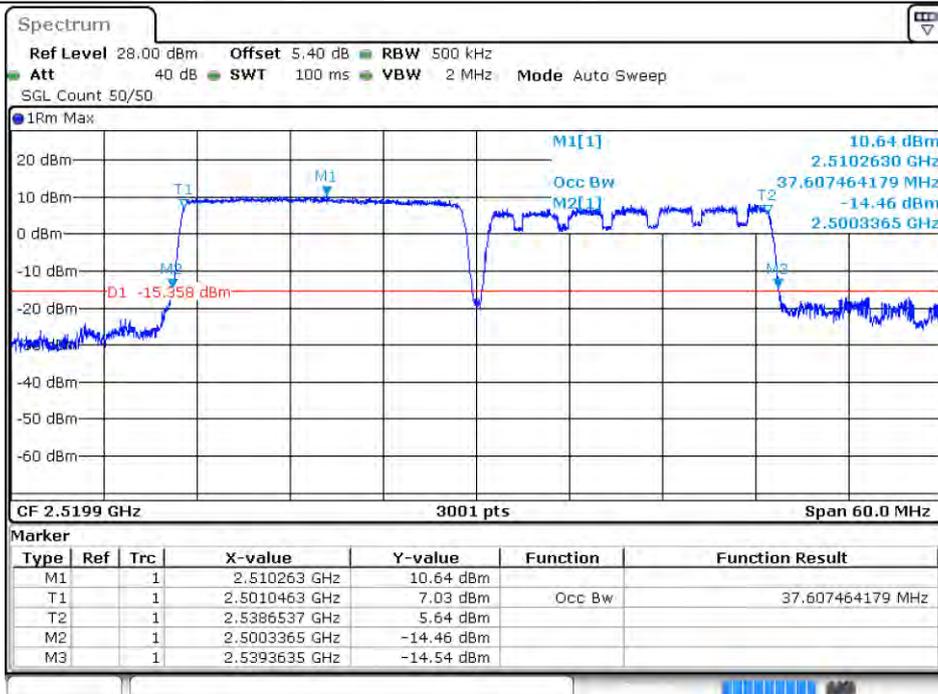


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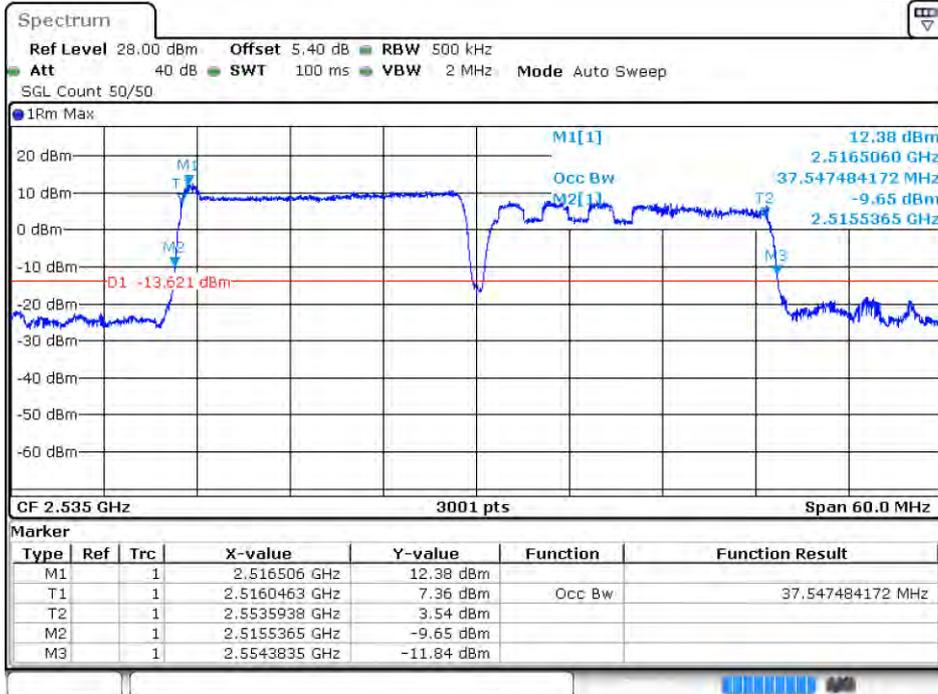
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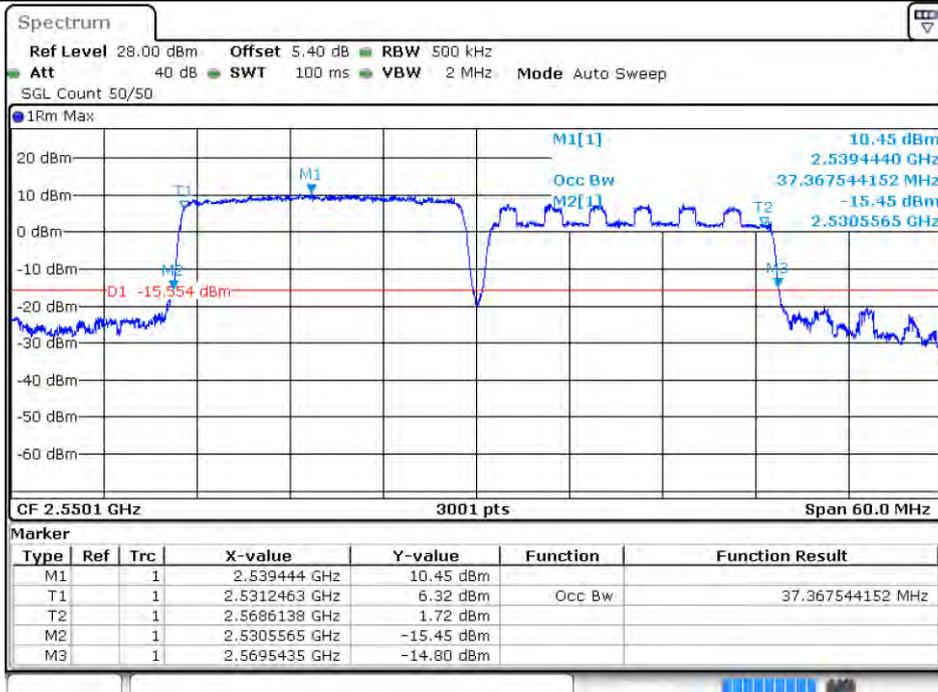


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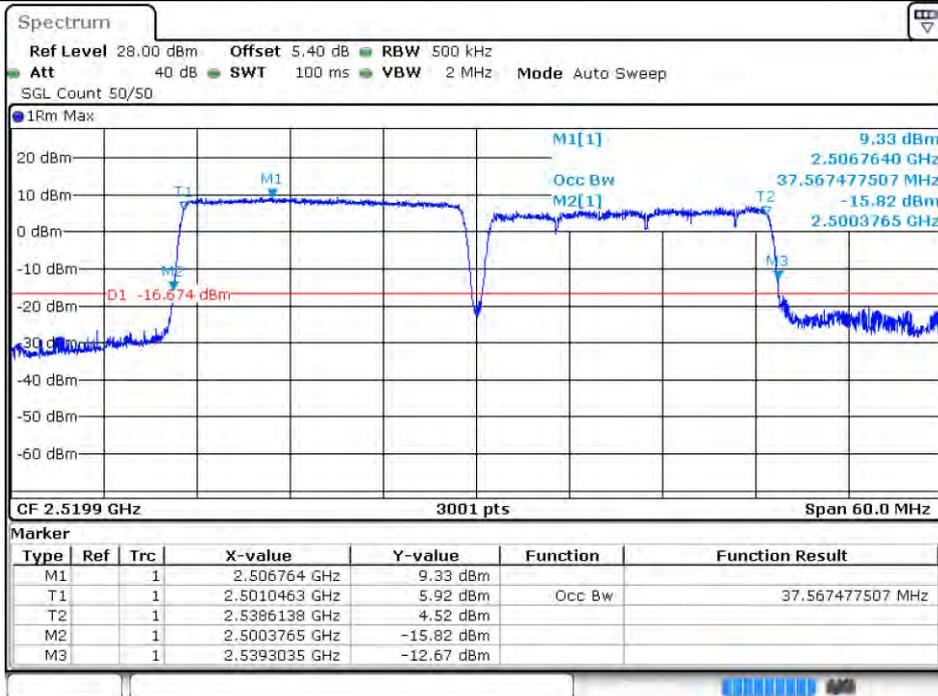
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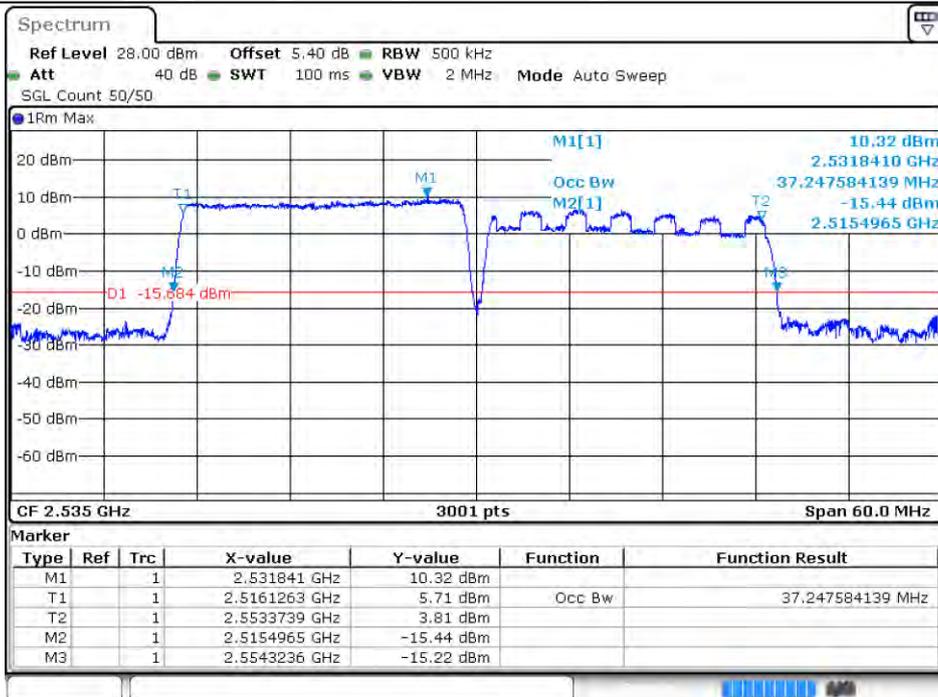


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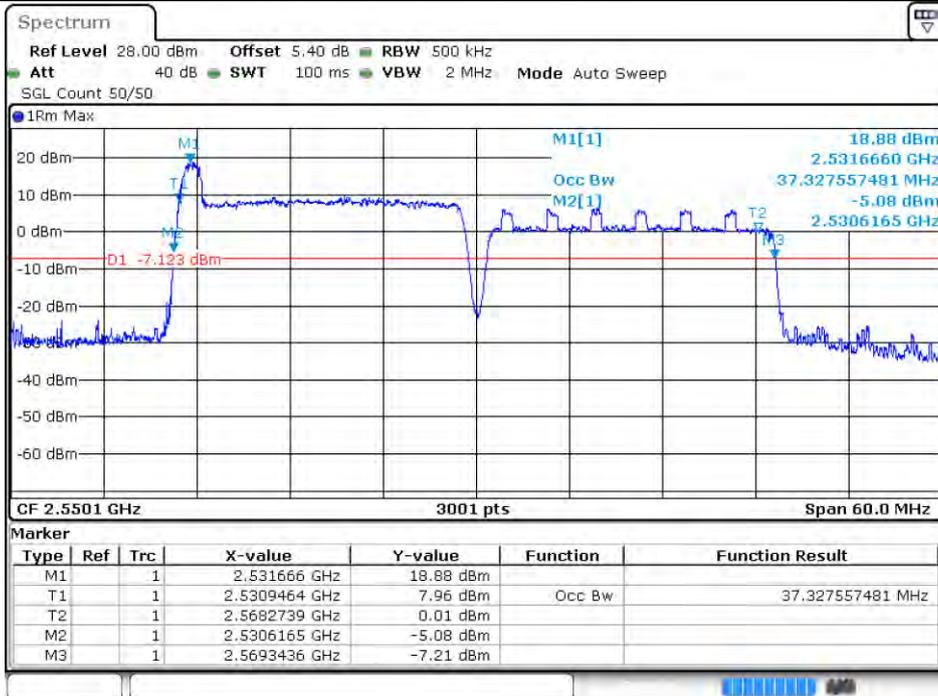
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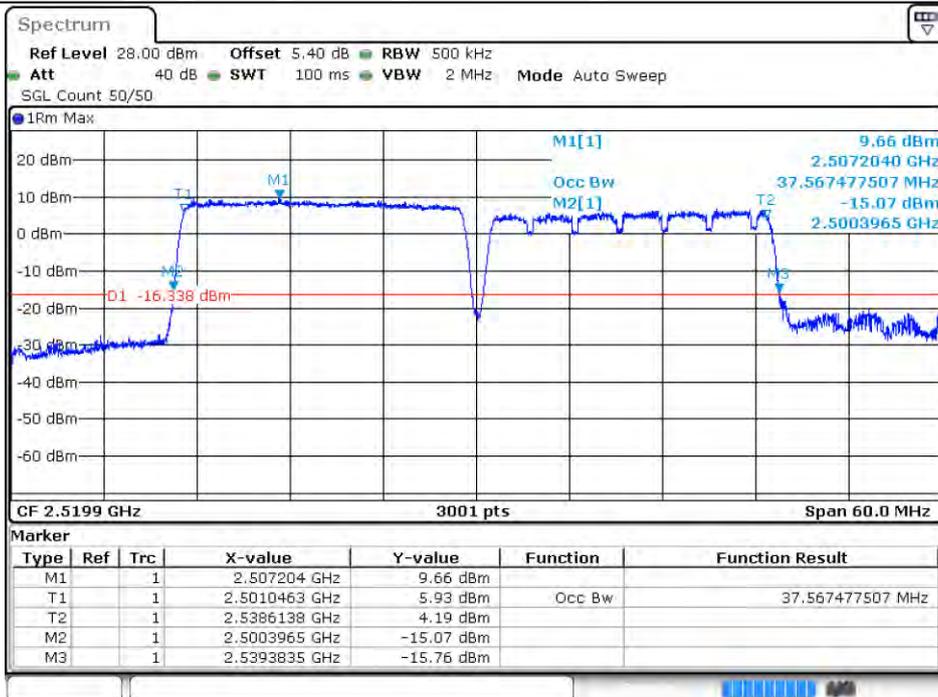


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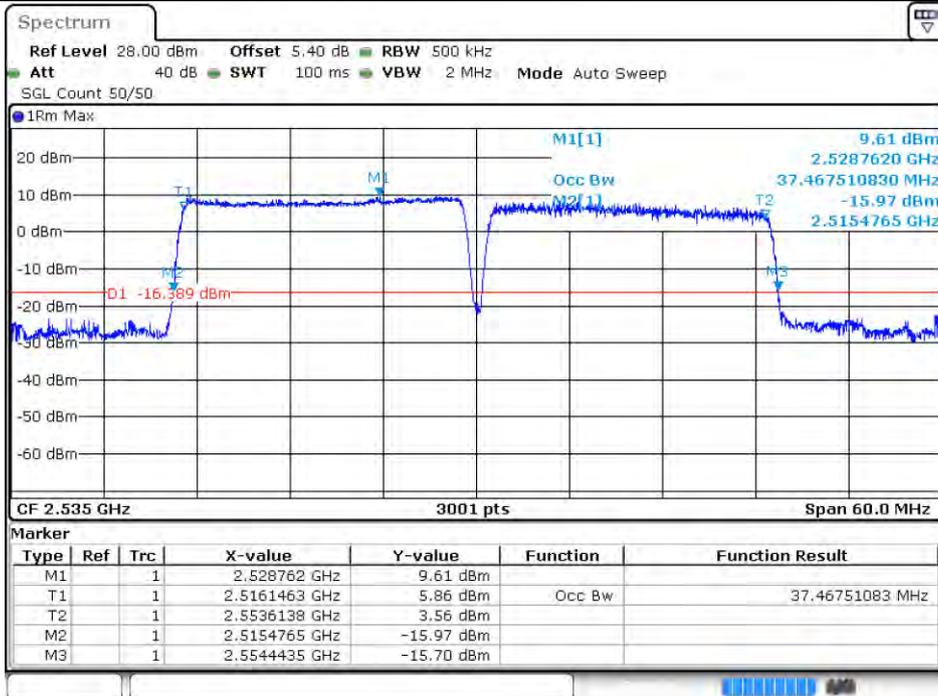
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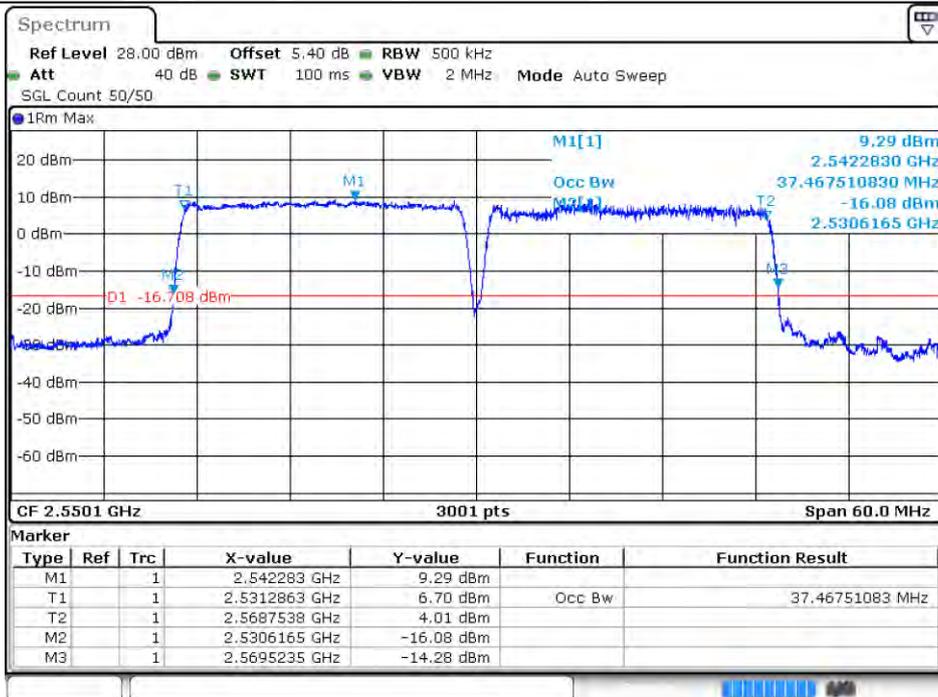


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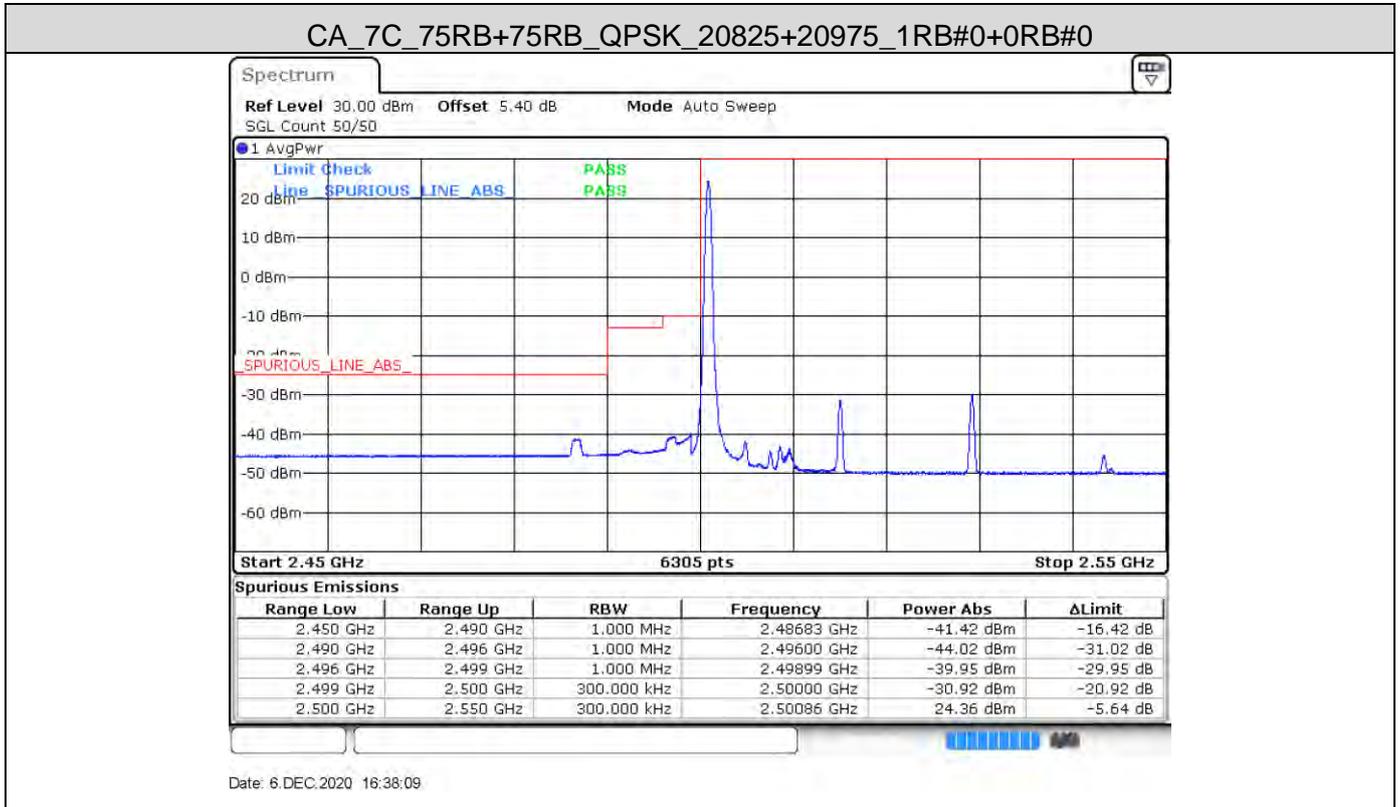
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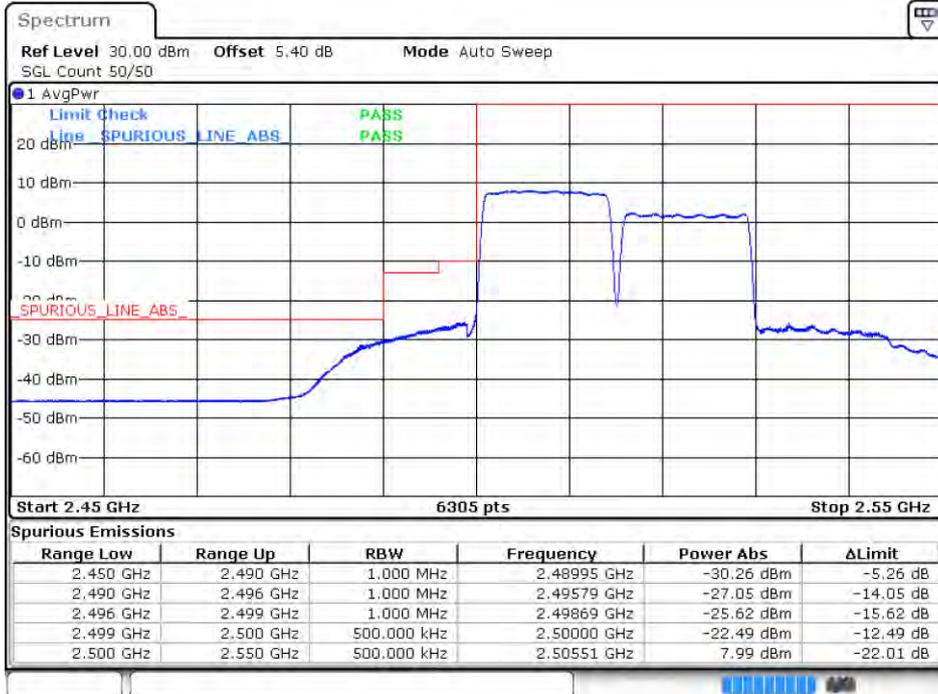
## 5 Band Edges Compliance

### 5.1 For LTE

#### 5.1.1 Test Band = LTE Band CA\_7C

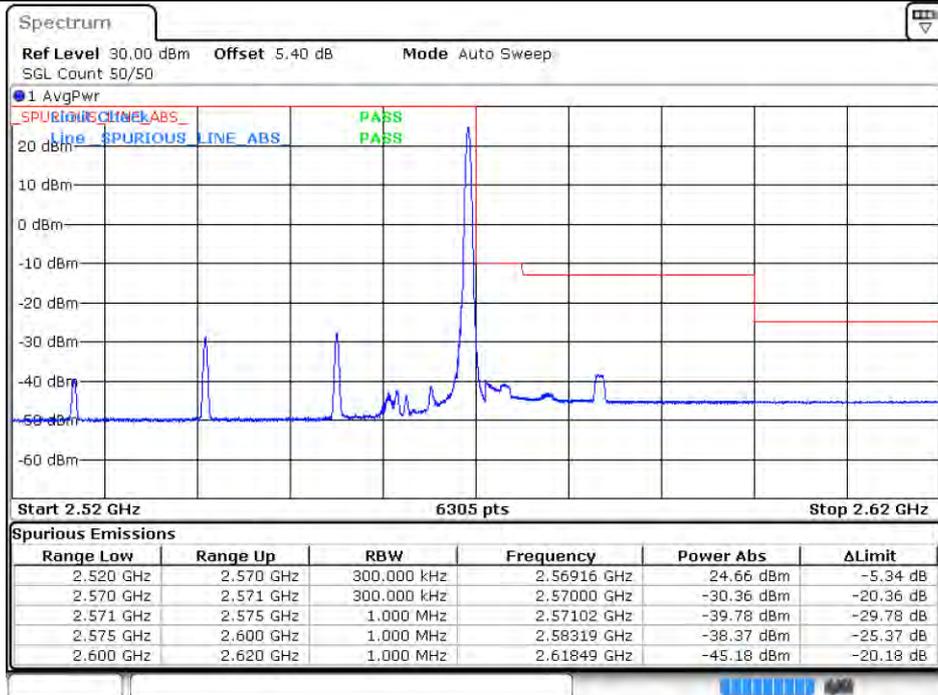


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Date: 6.DEC.2020 16:39:42

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Date: 6.DEC.2020 16:41:04

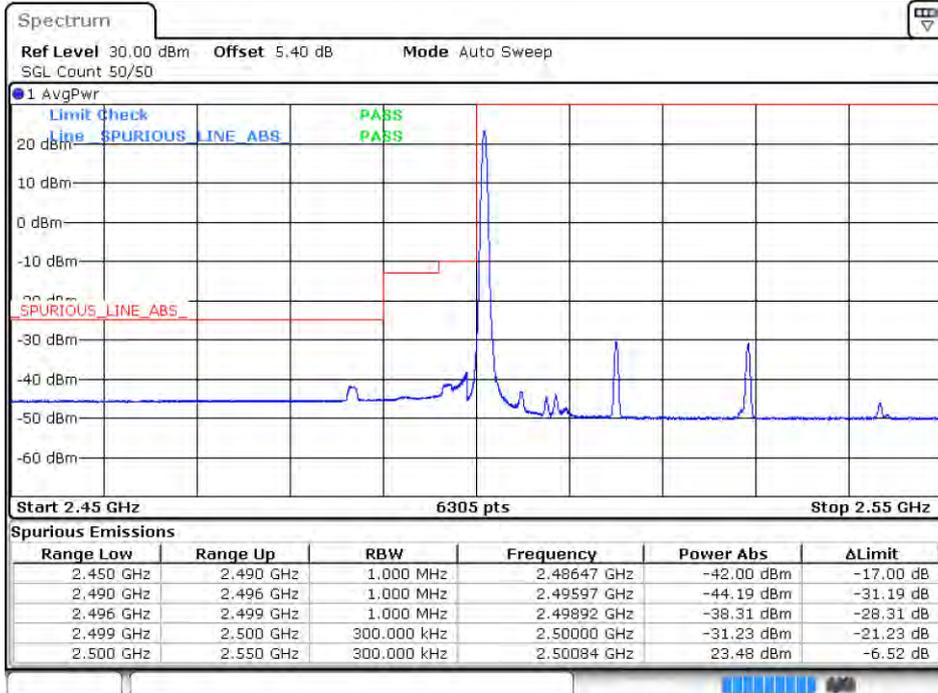


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Date: 6.DEC.2020 16:41:57

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Date: 6.DEC.2020 16:38:37

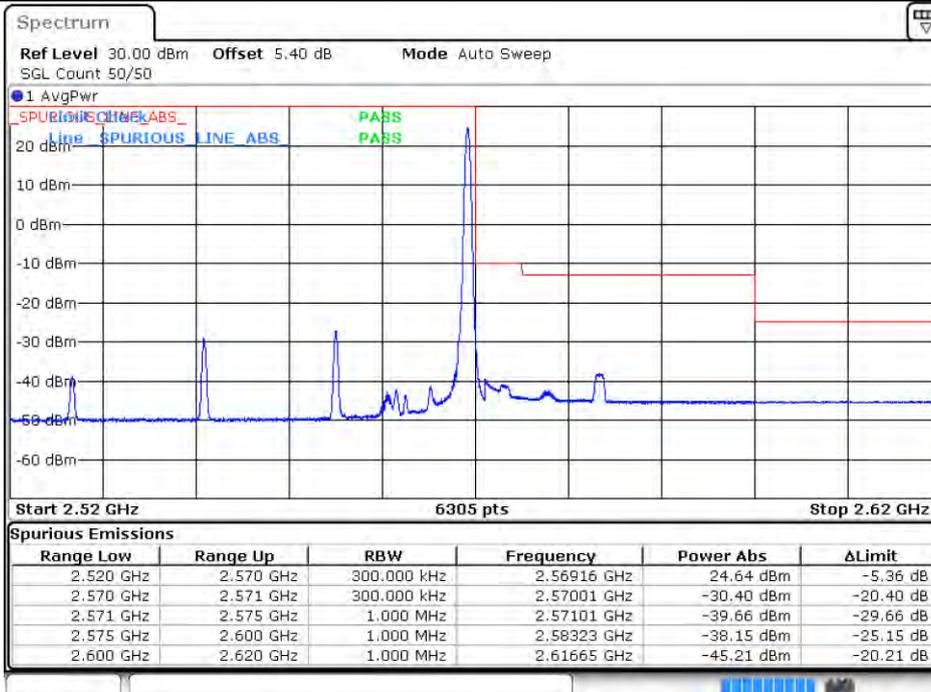


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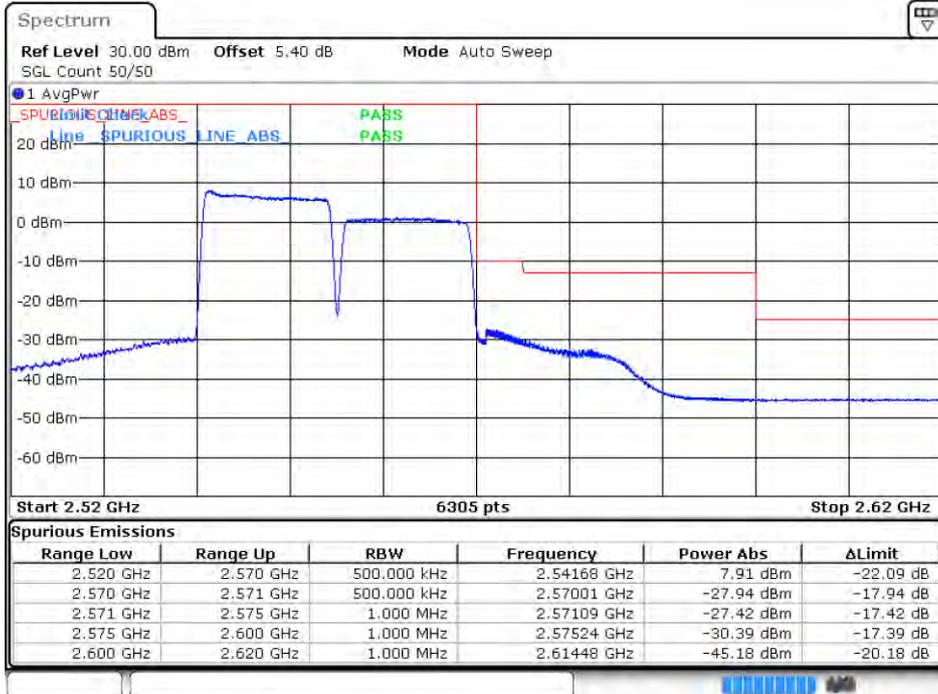
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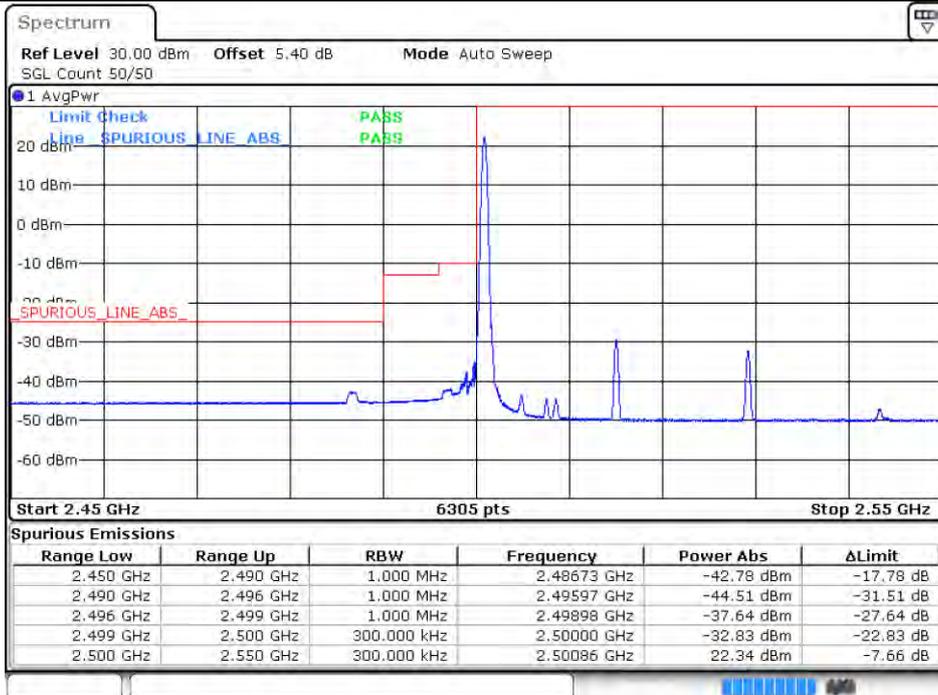


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Date: 6.DEC.2020 16:42:12

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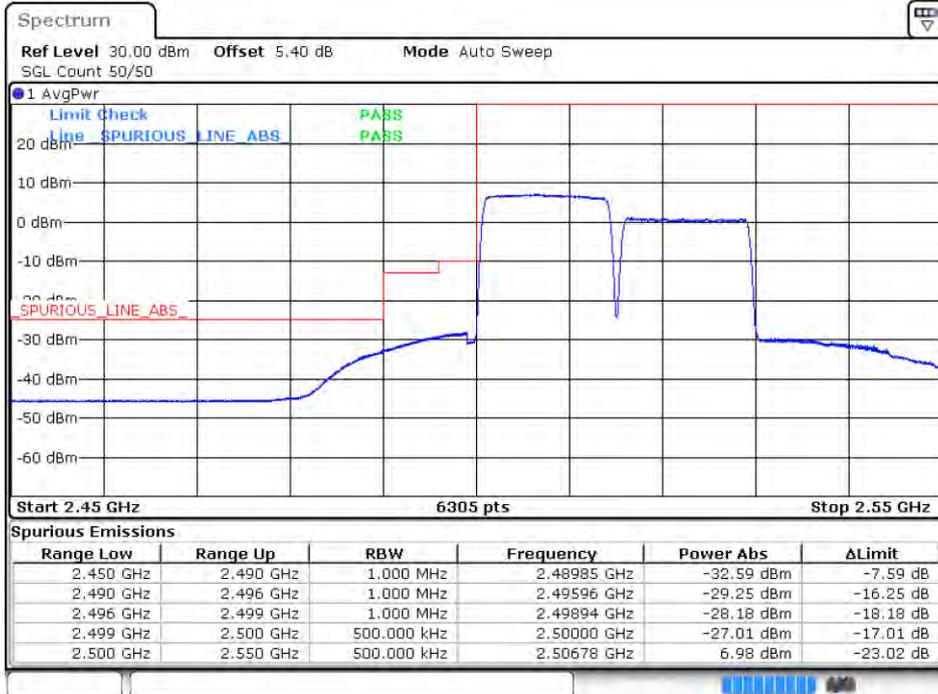


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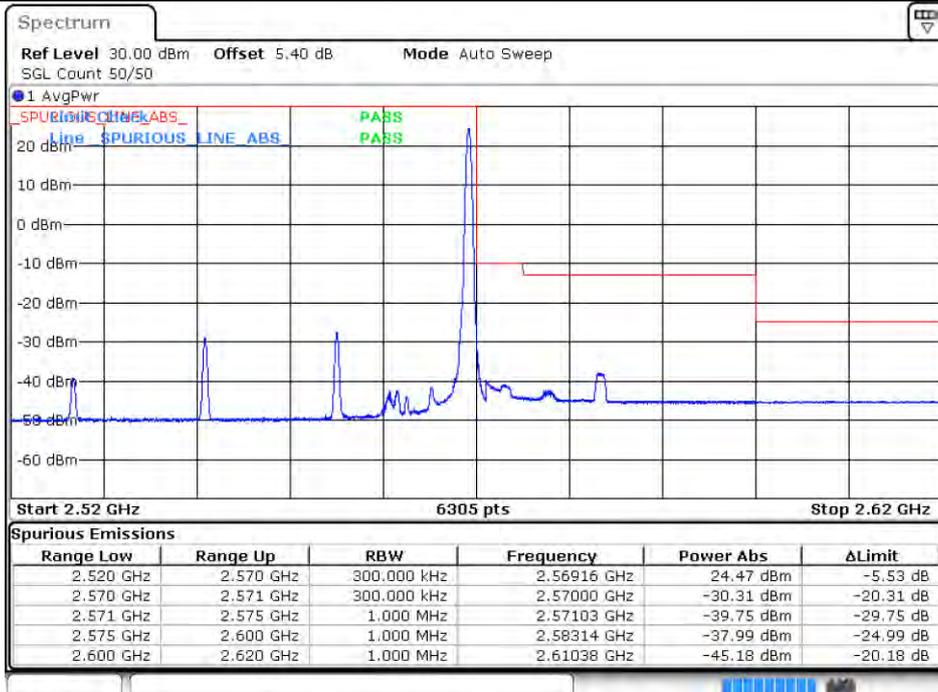
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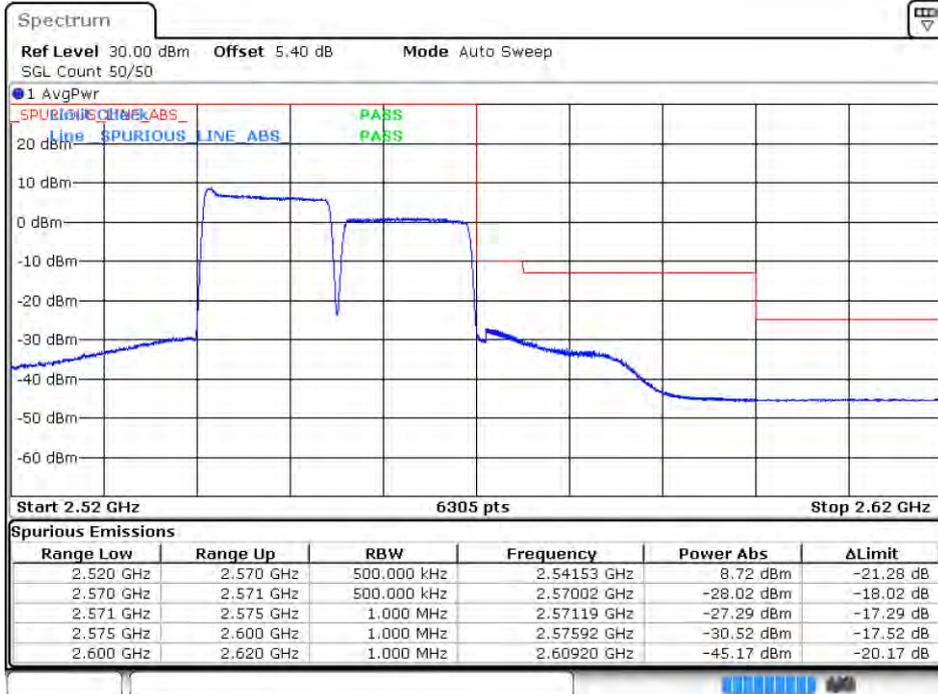
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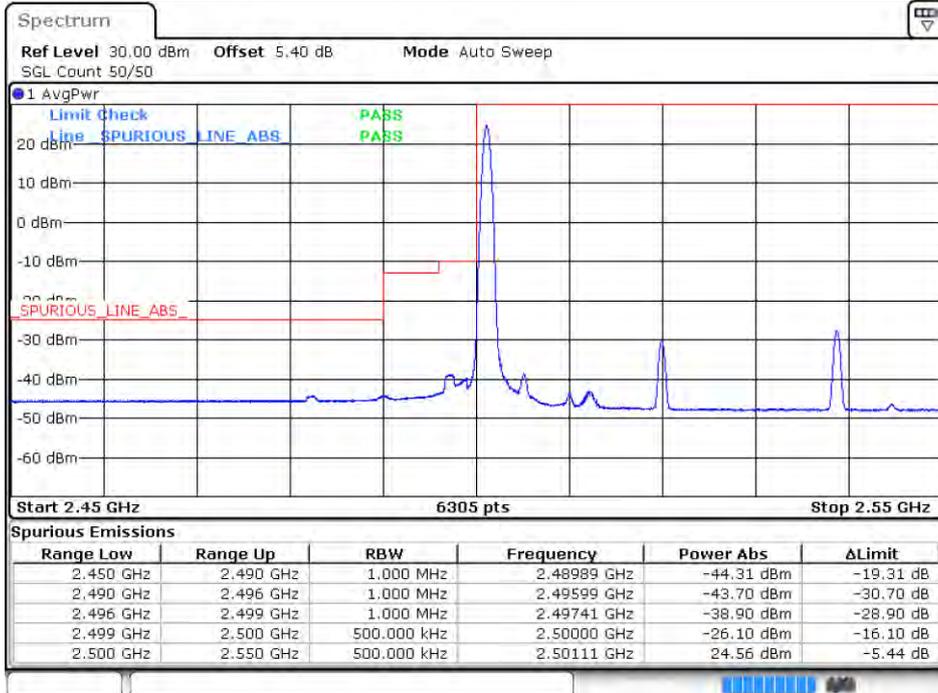


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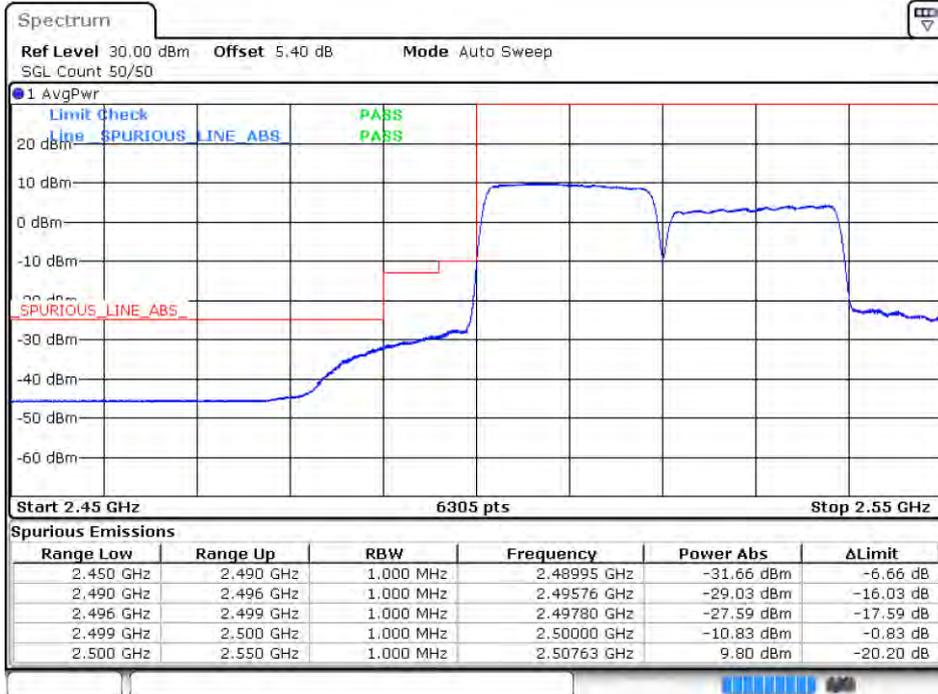
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Date: 6.DEC.2020 16:43:05



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Date: 6.DEC.2020 16:44:38

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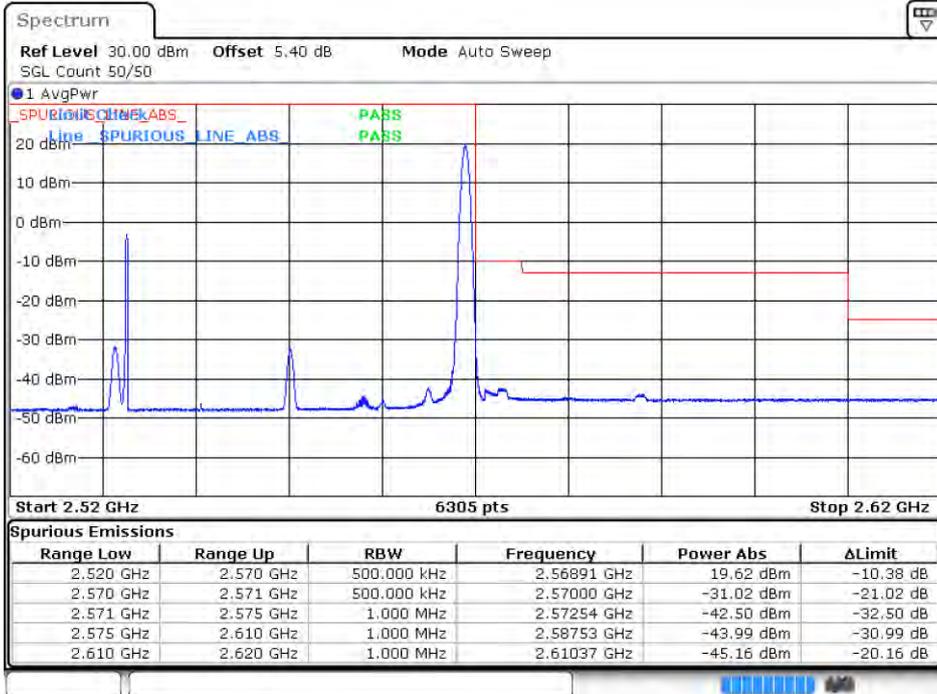
Date: 6.DEC.2020 16:46:52



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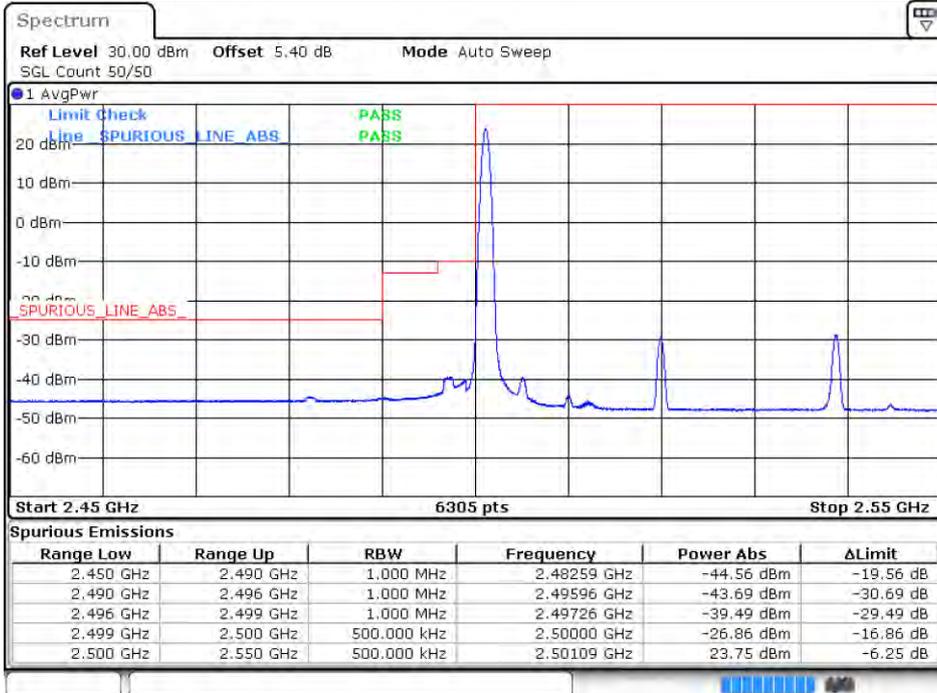
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

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Date: 6.DEC.2020 17:23:59

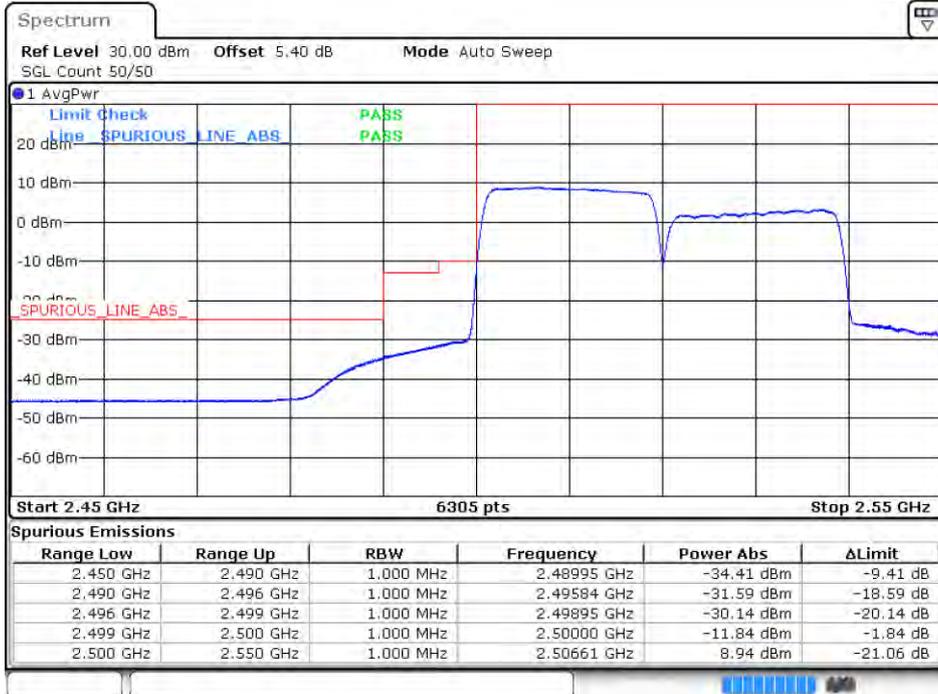
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Date: 6.DEC.2020 16:43:34



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Date: 6.DEC.2020 16:45:07

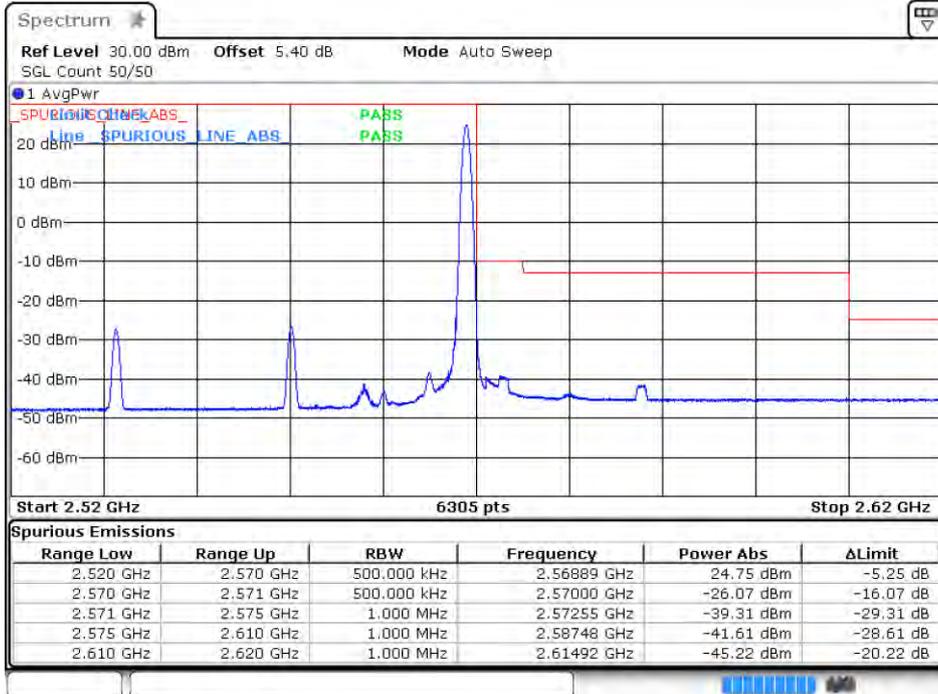
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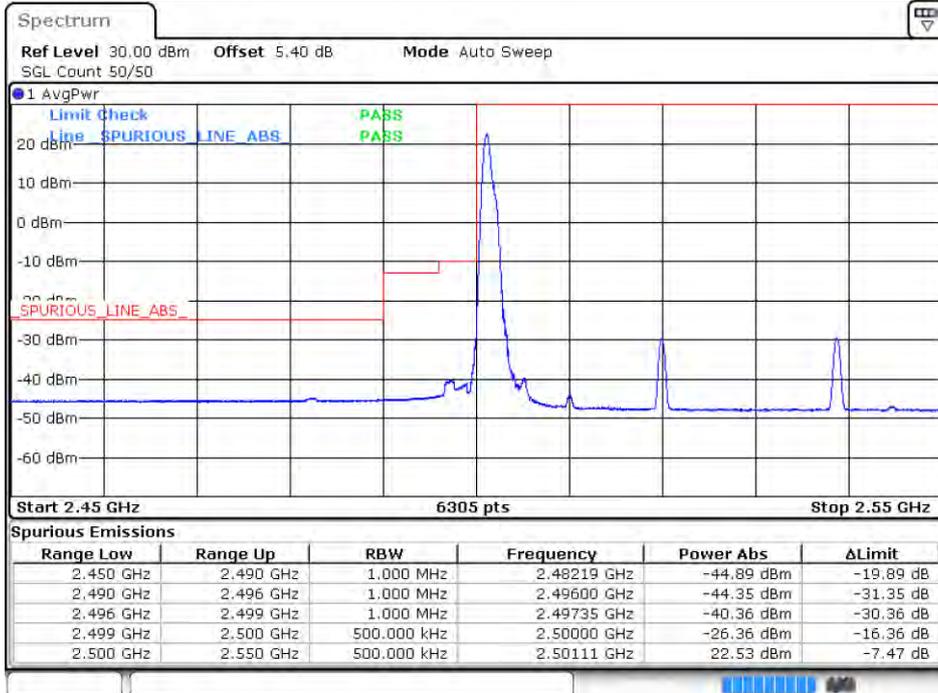


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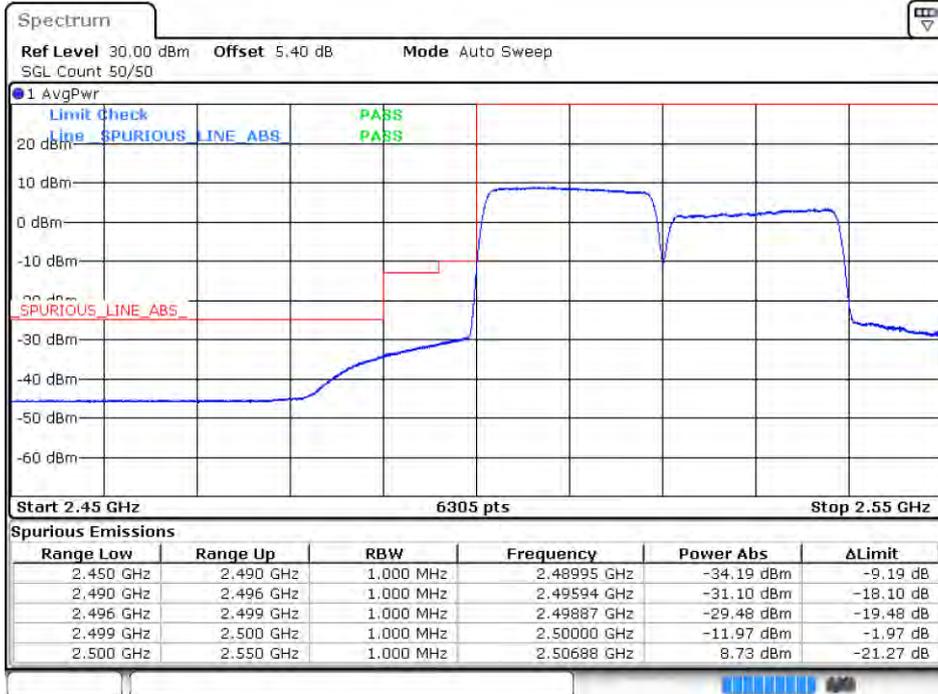
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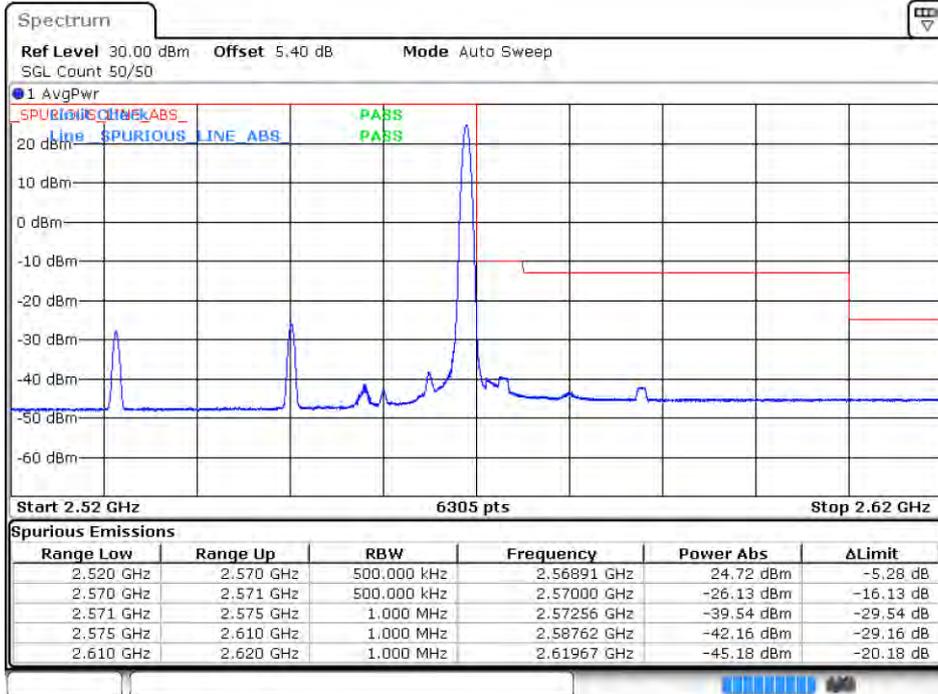


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Date: 6.DEC.2020 17:24:51



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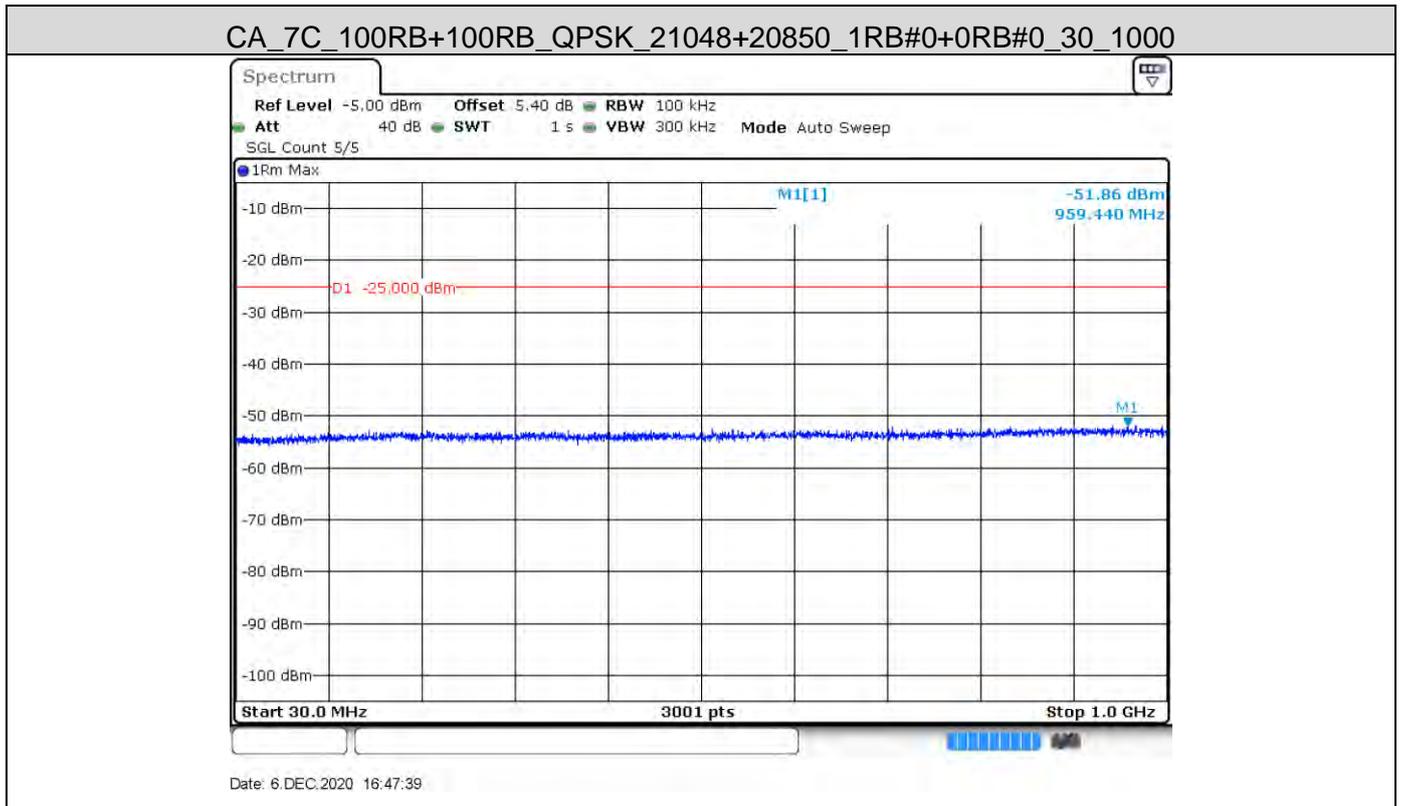
## 6 Spurious Emission at Antenna Terminal

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\_7C

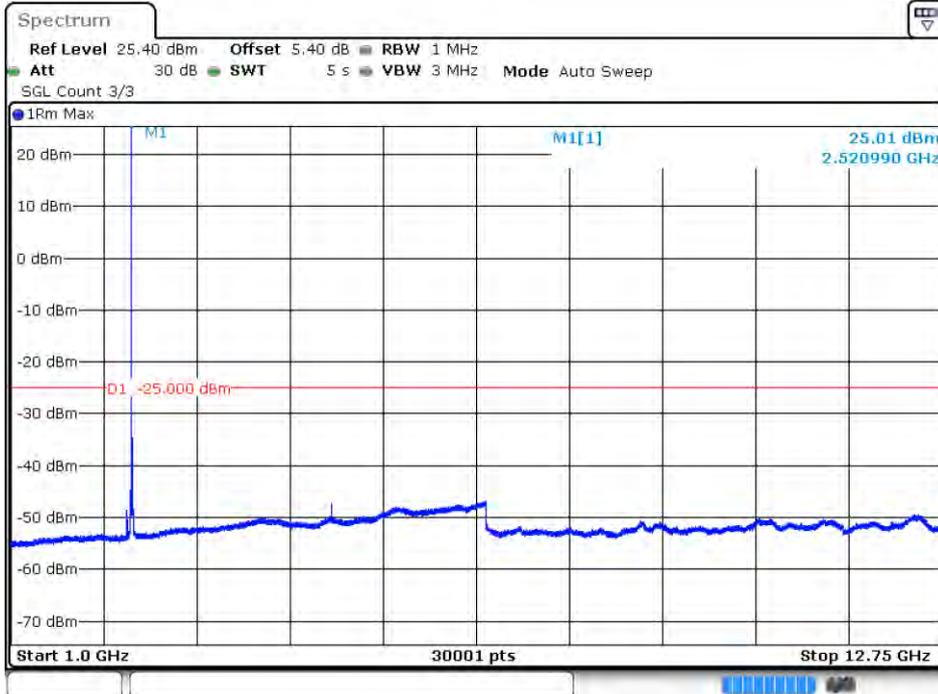


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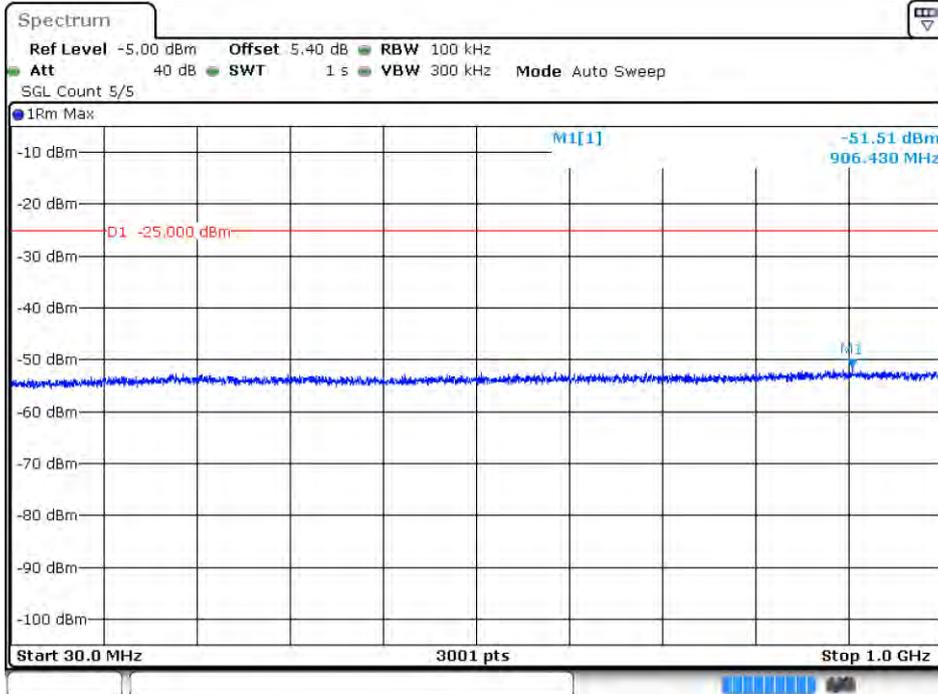


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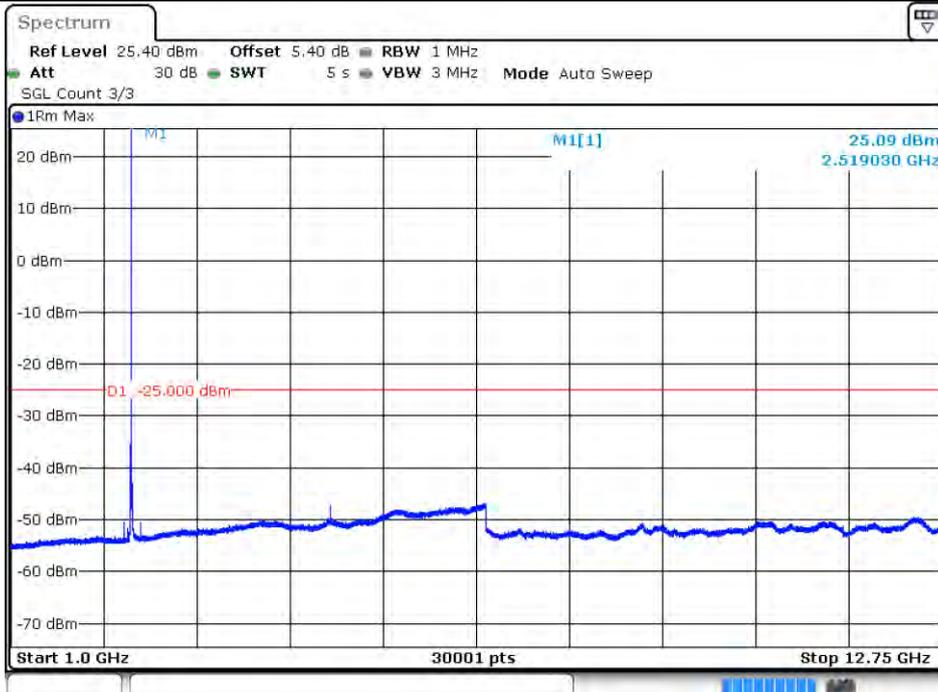


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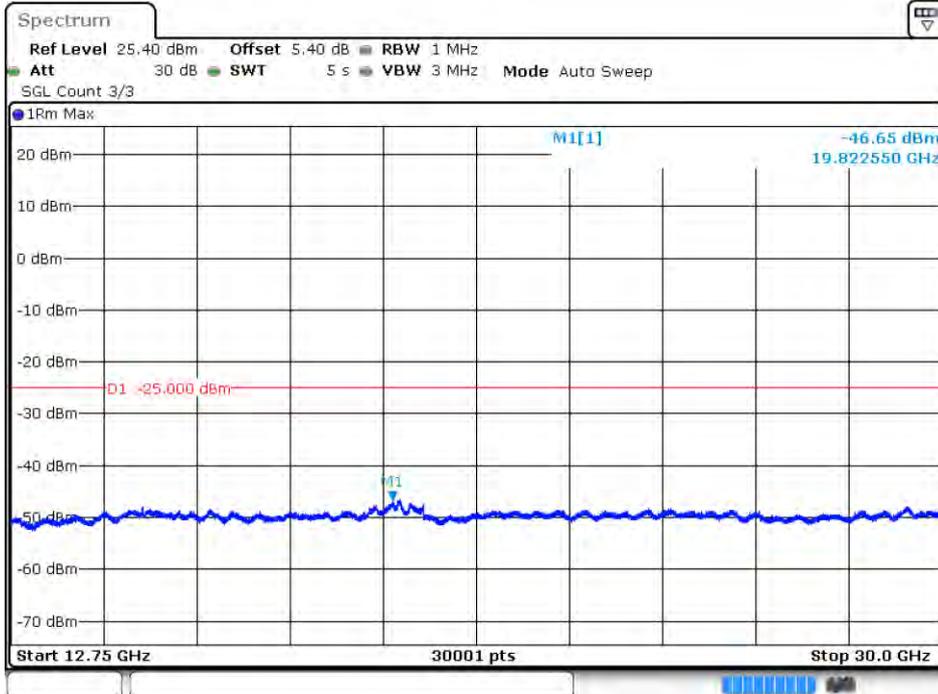


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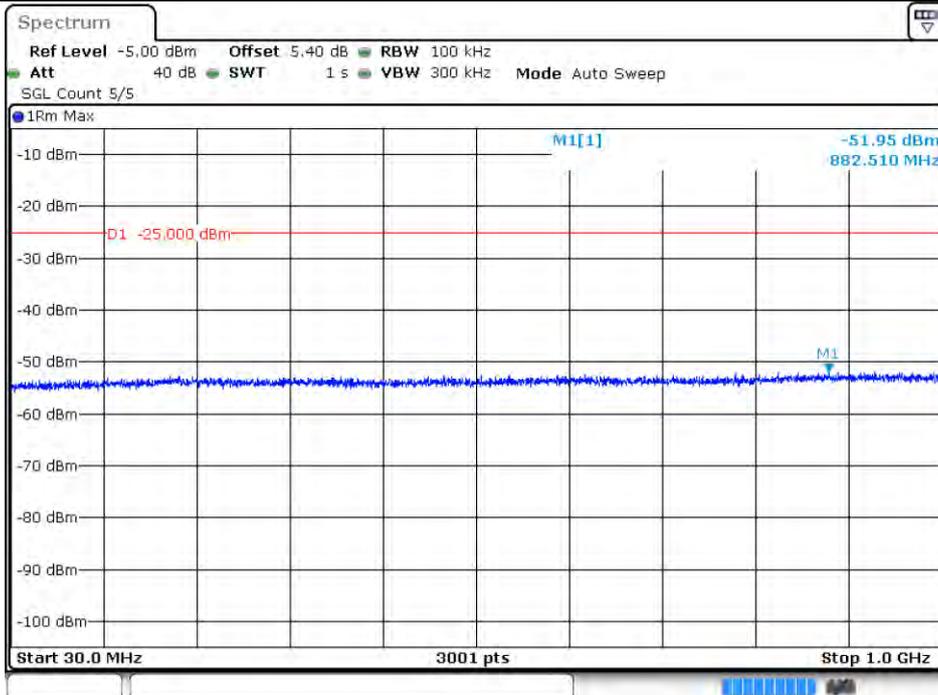


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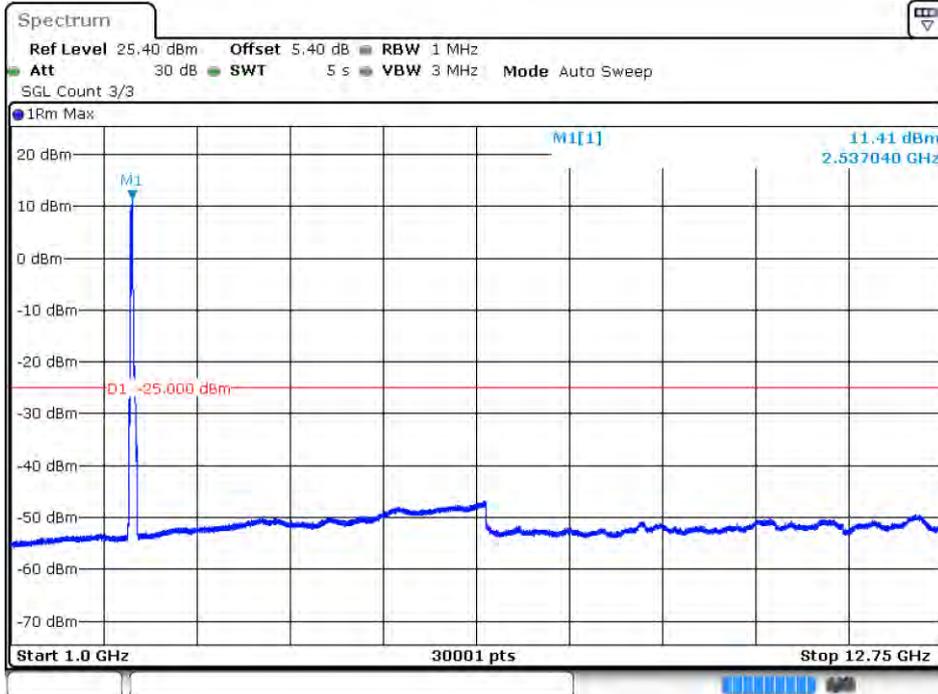
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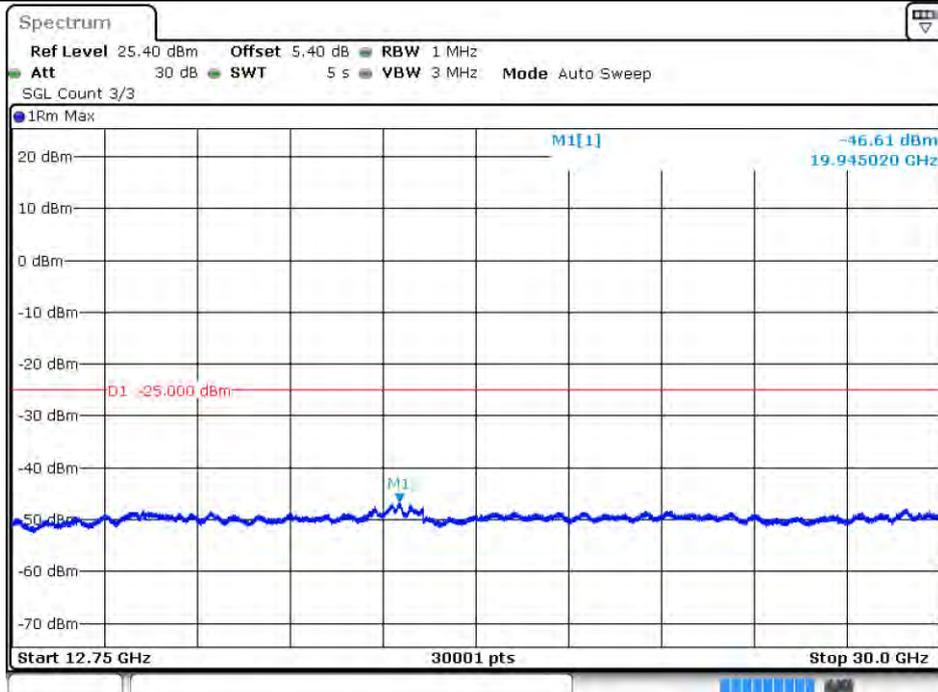


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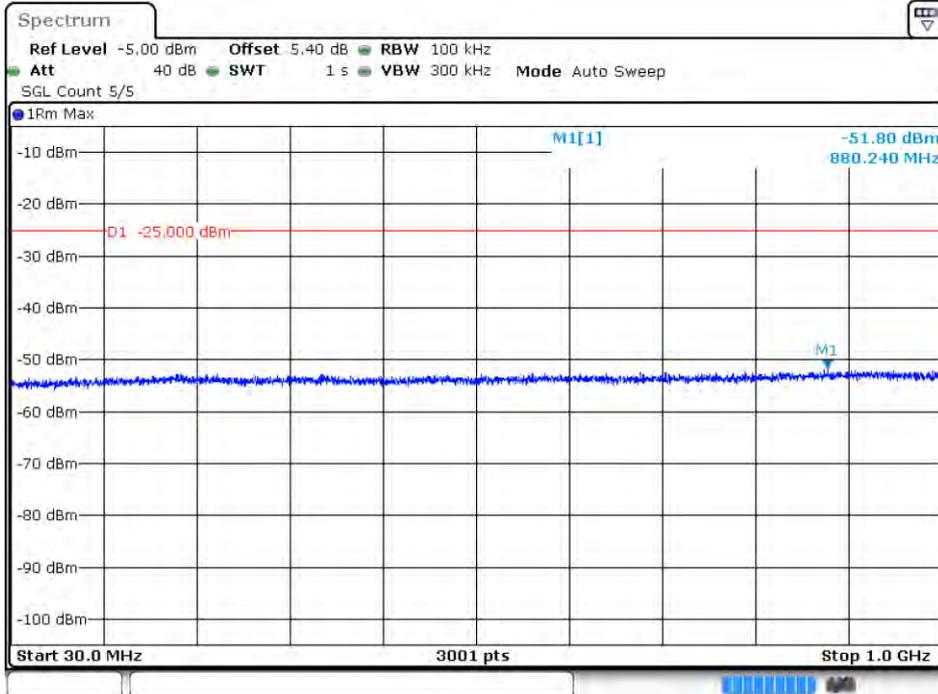


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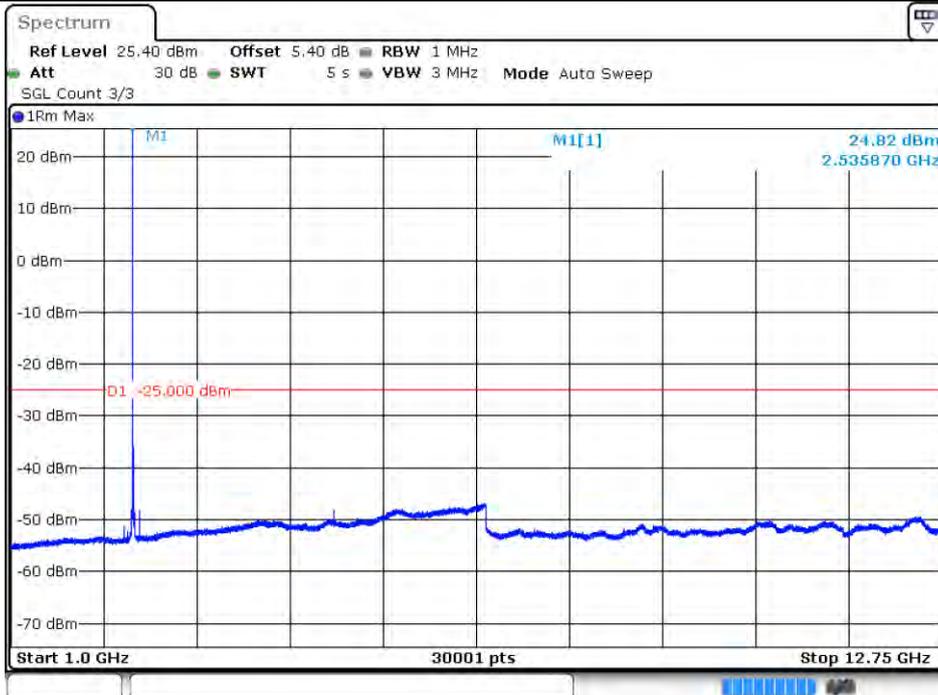


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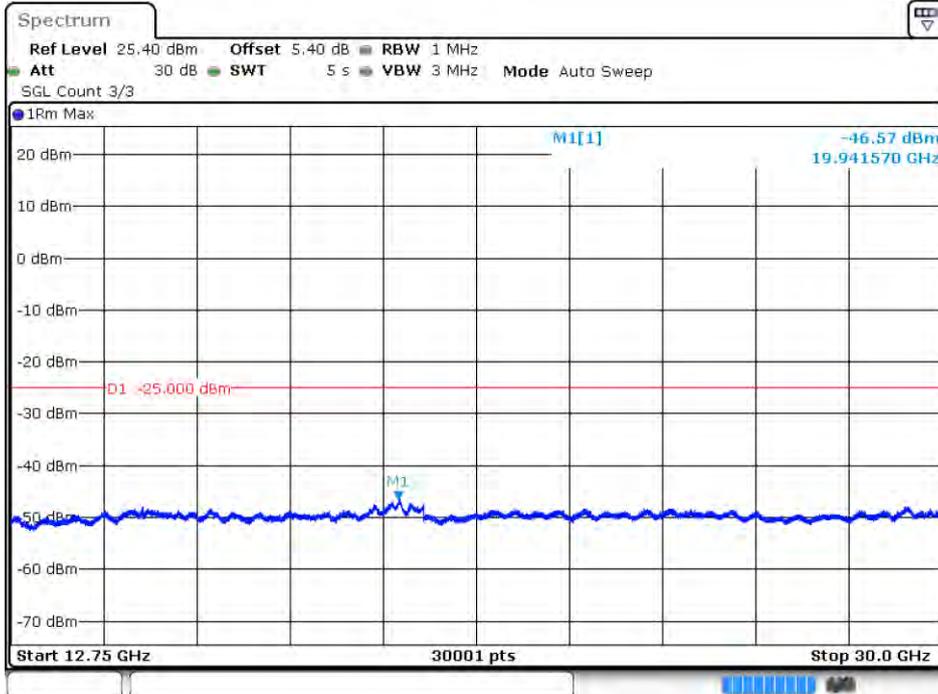


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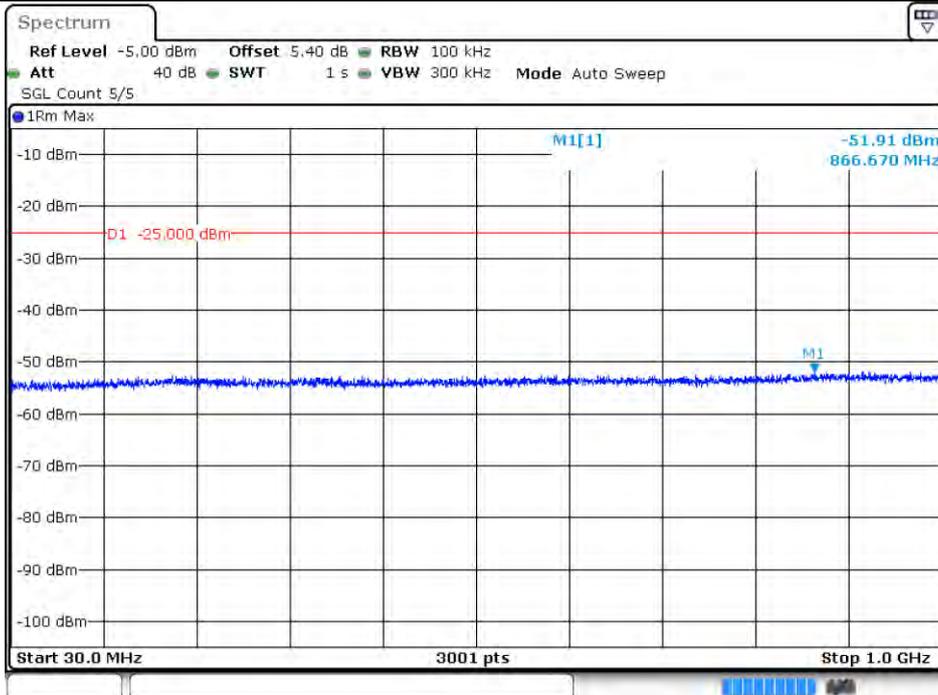


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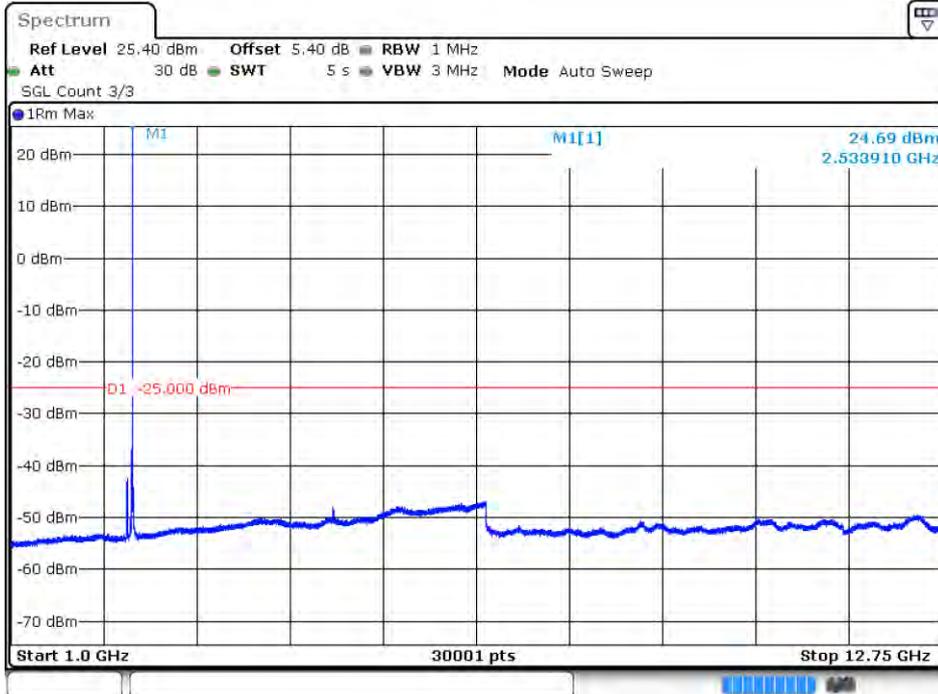


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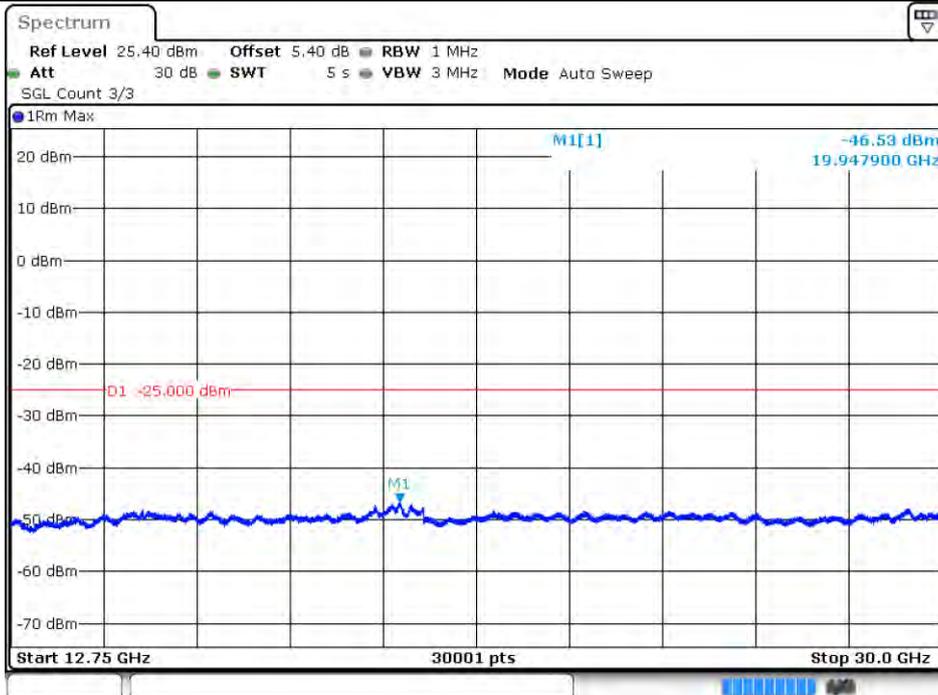
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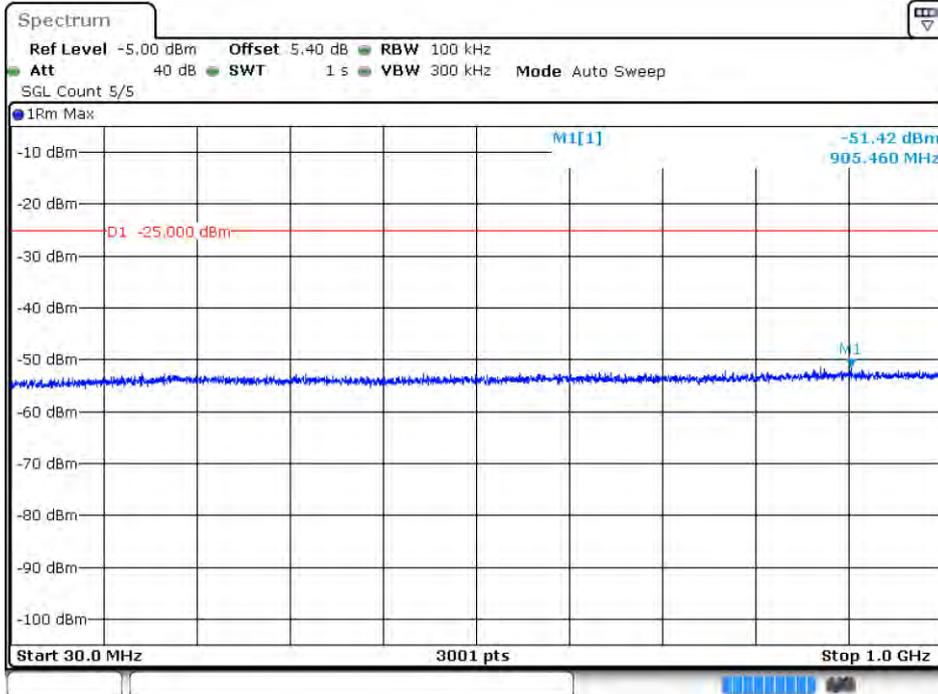


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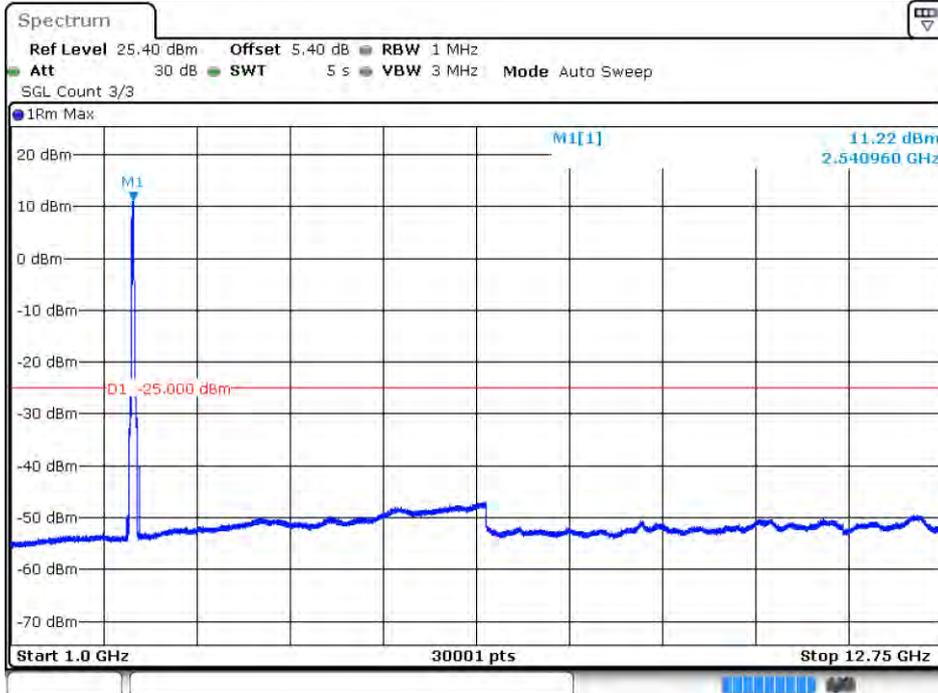


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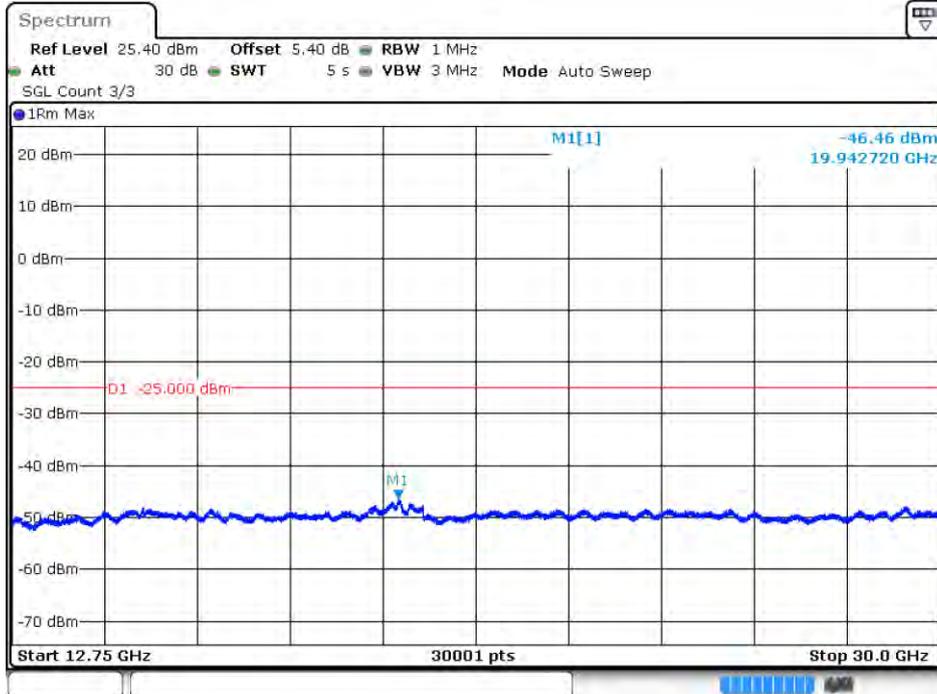


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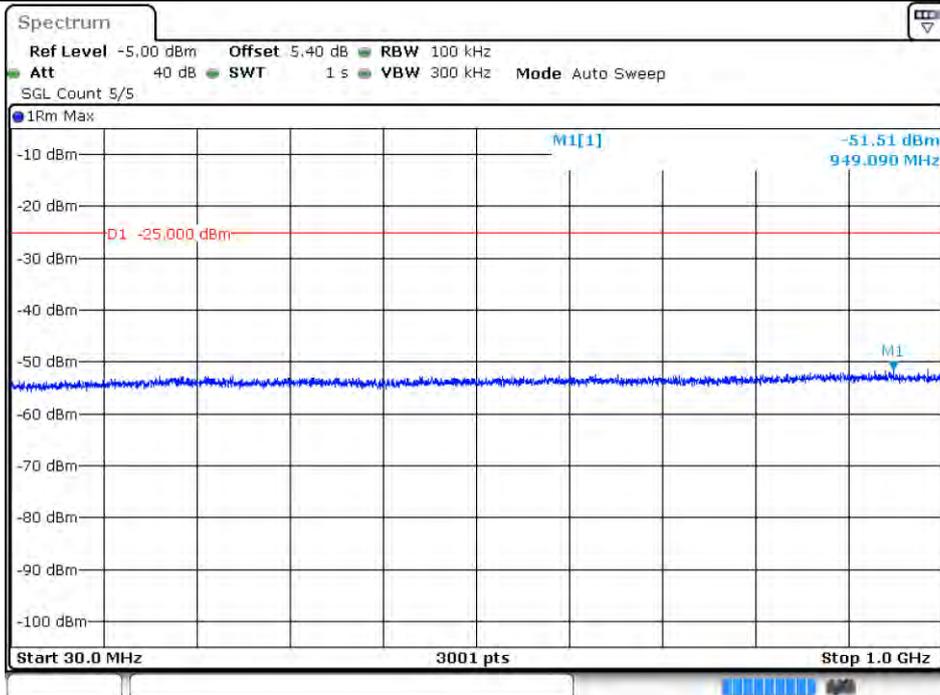


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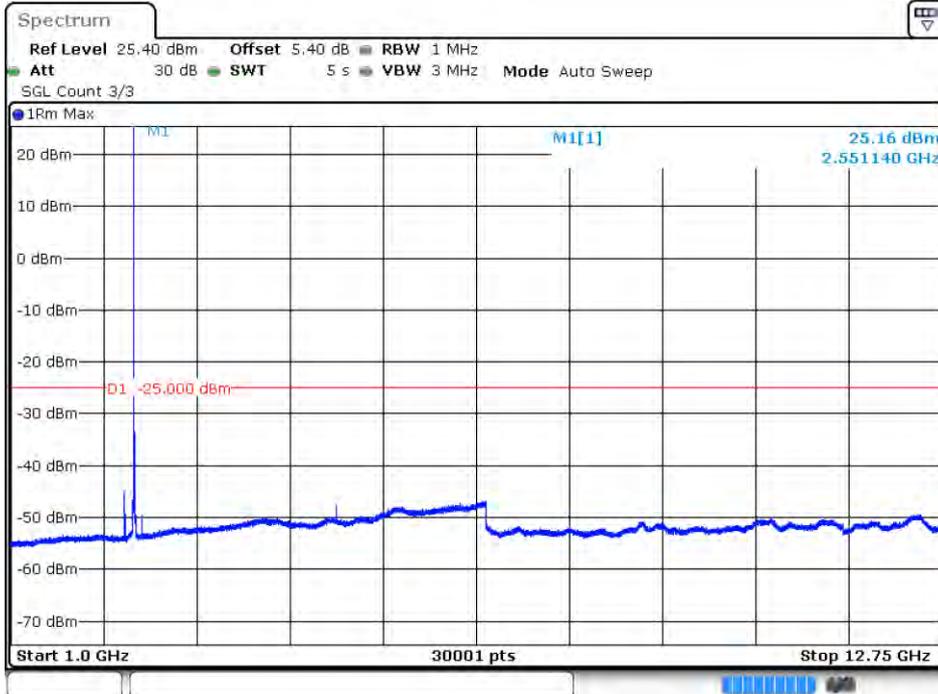


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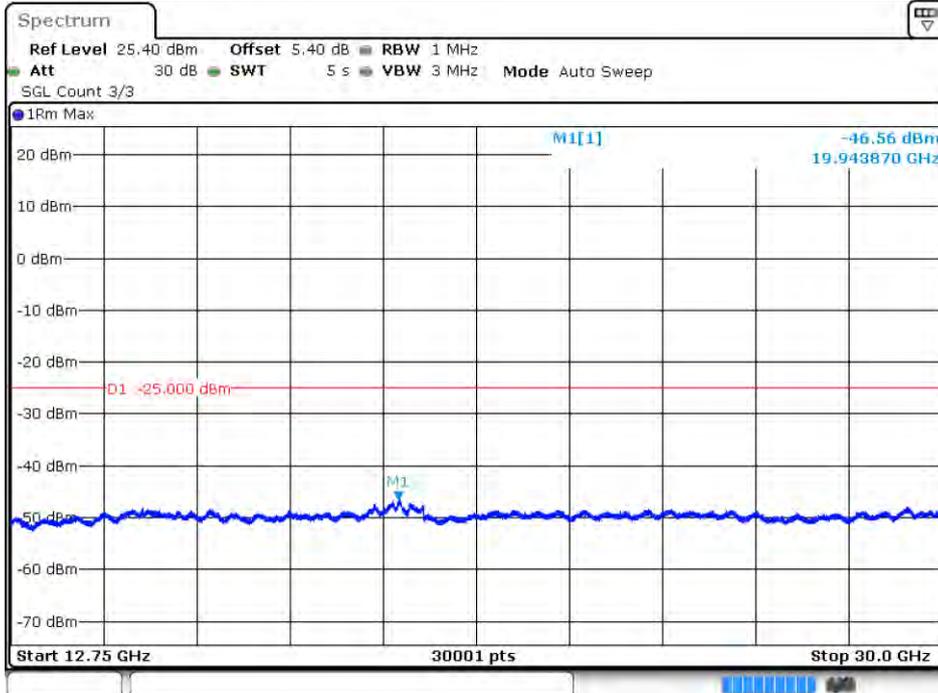


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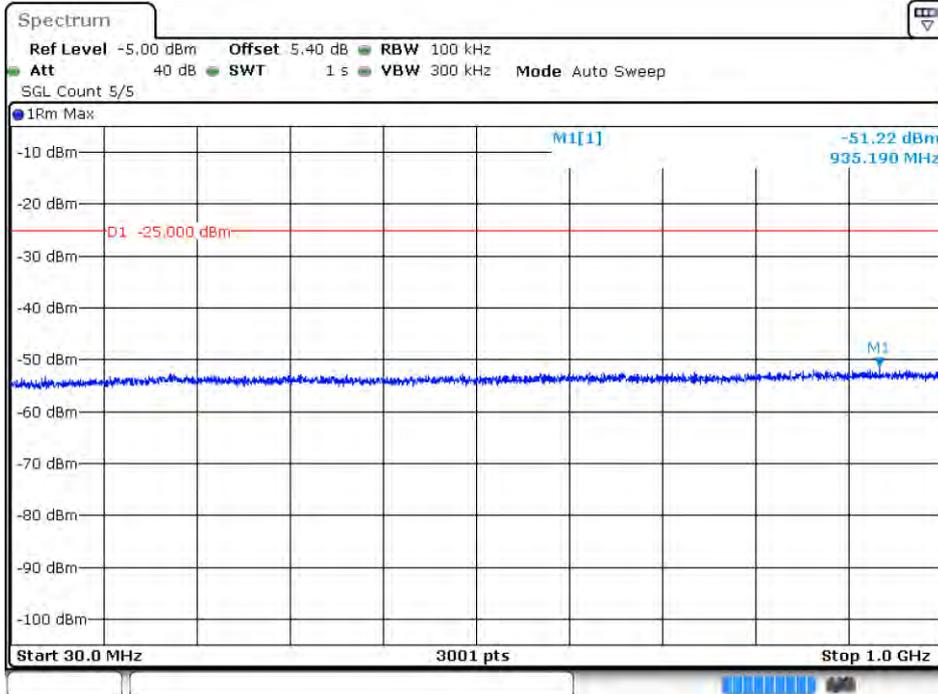
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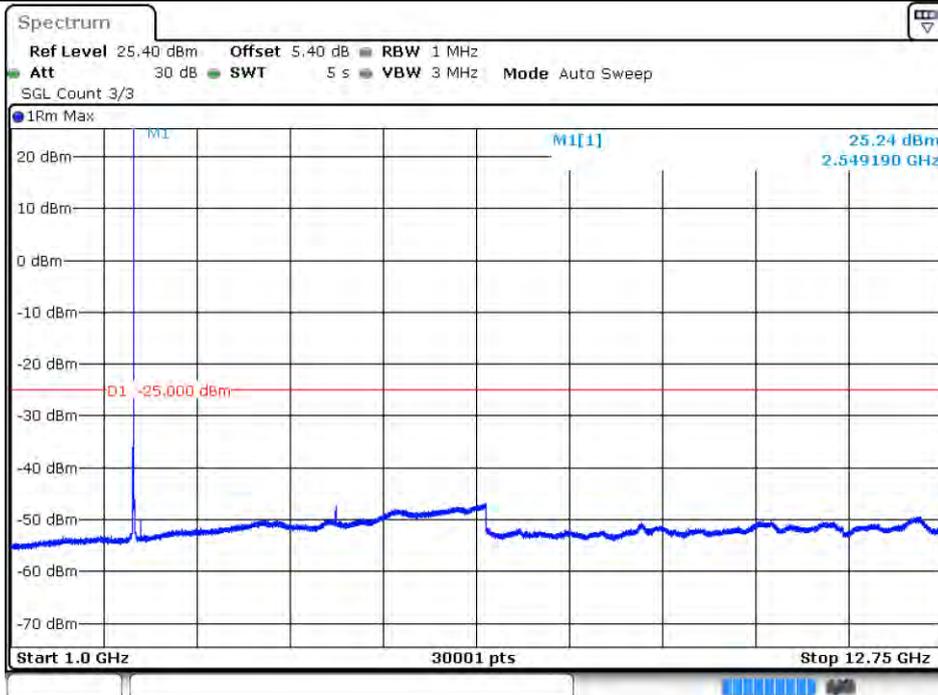


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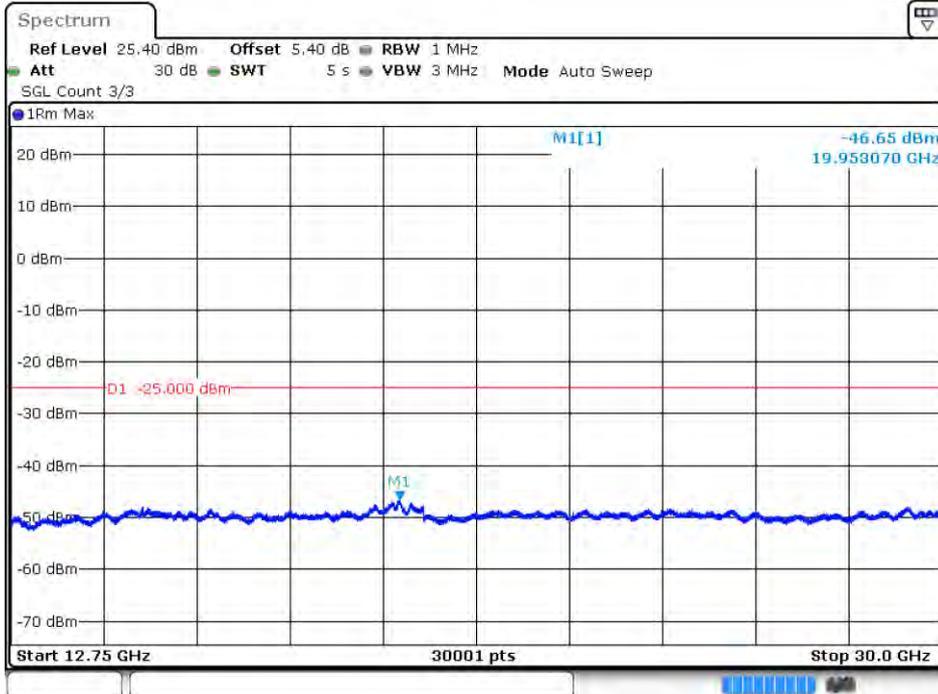


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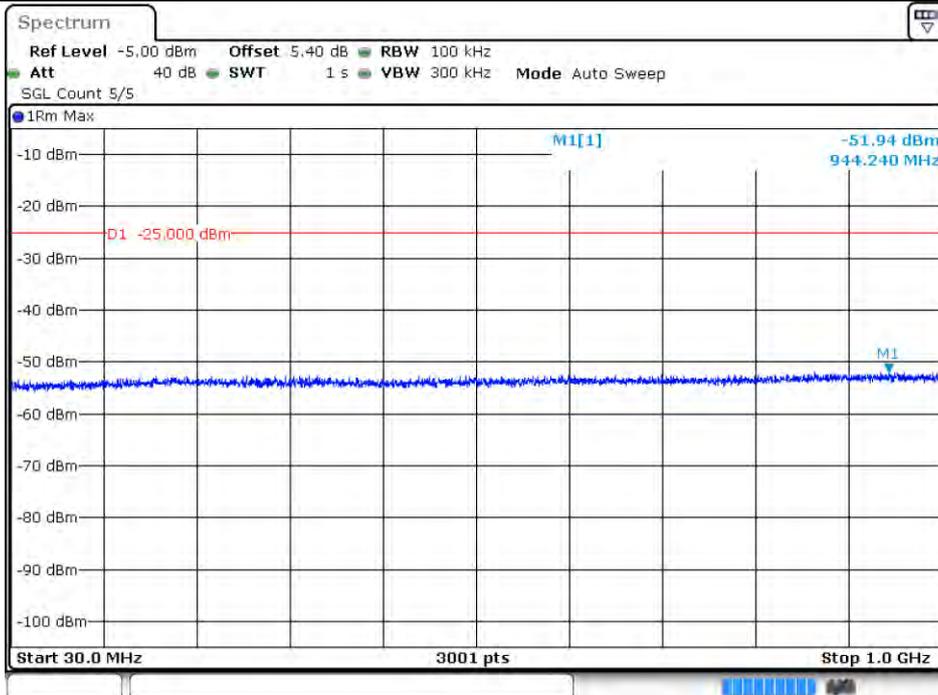


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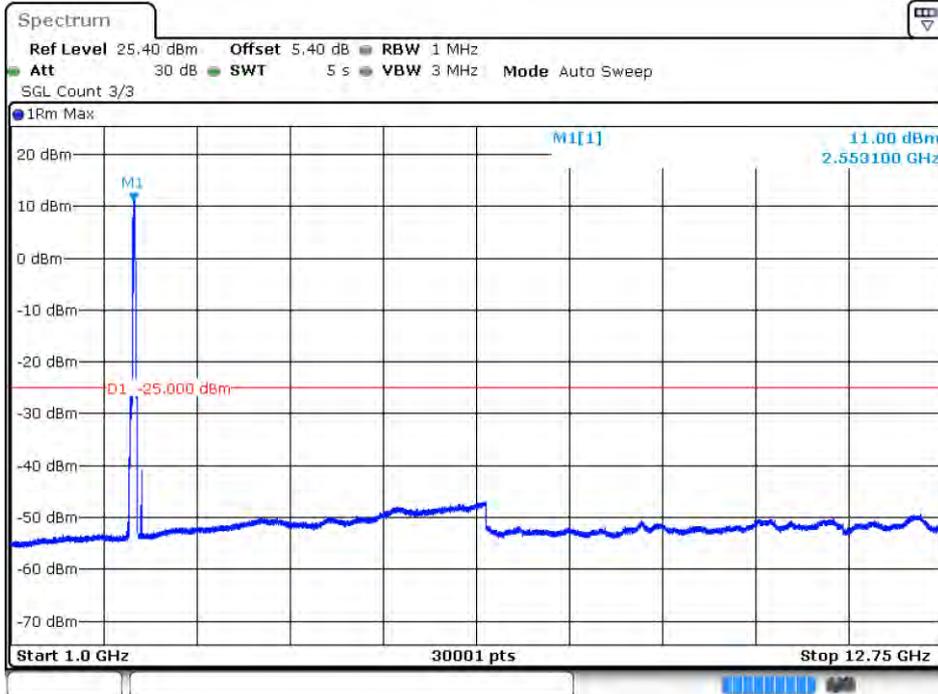
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Date: 6.DEC.2020 17:07:31



## 7 Field Strength of Spurious Radiation

### 7.1 Test Band = LTE Band CA\_7C (Config 0)

#### 7.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.000000	-79.85	-25.00	54.85	Vertical
125.000000	-83.46	-25.00	58.46	Vertical
348.600000	-84.20	-25.00	59.20	Vertical
4304.875000	-64.84	-25.00	39.84	Vertical
7097.600000	-62.50	-25.00	37.50	Vertical
10642.700000	-60.68	-25.00	35.68	Vertical
62.250000	-75.30	-25.00	50.30	Horizontal
104.300000	-84.88	-25.00	59.88	Horizontal
275.150000	-85.41	-25.00	60.41	Horizontal
4299.350000	-64.91	-25.00	39.91	Horizontal
6058.250000	-63.43	-25.00	38.43	Horizontal
9283.225000	-61.05	-25.00	36.05	Horizontal

#### 7.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
62.150000	-75.58	-25.00	50.58	Vertical
104.300000	-83.44	-25.00	58.44	Vertical
270.850000	-85.46	-25.00	60.46	Vertical
4305.200000	-64.62	-25.00	39.62	Vertical
6090.750000	-62.52	-25.00	37.52	Vertical
9116.175000	-60.64	-25.00	35.64	Vertical
63.200000	-79.65	-25.00	54.65	Horizontal
125.000000	-83.55	-25.00	58.55	Horizontal
350.350000	-84.55	-25.00	59.55	Horizontal
4268.475000	-65.00	-25.00	40.00	Horizontal
7069.325000	-62.30	-25.00	37.30	Horizontal
9233.825000	-60.92	-25.00	35.92	Horizontal



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**7.1.3 Test Channel = HCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
62.700000	-75.51	-25.00	50.51	Vertical
104.250000	-86.29	-25.00	61.29	Vertical
275.750000	-85.62	-25.00	60.62	Vertical
4292.200000	-64.86	-25.00	39.86	Vertical
7266.925000	-62.62	-25.00	37.62	Vertical
10618.975000	-60.69	-25.00	35.69	Vertical
63.450000	-79.75	-25.00	54.75	Horizontal
125.000000	-84.37	-25.00	59.37	Horizontal
344.300000	-84.41	-25.00	59.41	Horizontal
4193.725000	-65.41	-25.00	40.41	Horizontal
7066.725000	-62.19	-25.00	37.19	Horizontal
10684.300000	-60.68	-25.00	35.68	Horizontal

**7.2 Test Band = LTE Band CA\_7C (Config 1)**

**7.1.1 Test Channel = LCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
65.050000	-80.04	-25.00	55.04	Vertical
104.300000	-81.47	-25.00	56.47	Vertical
373.450000	-84.52	-25.00	59.52	Vertical
5002.000000	-62.96	-25.00	37.96	Vertical
7485.975000	-63.02	-25.00	38.02	Vertical
10622.875000	-60.72	-25.00	35.72	Vertical
63.300000	-75.69	-25.00	50.69	Horizontal
104.300000	-83.00	-25.00	58.00	Horizontal
265.500000	-86.10	-25.00	61.10	Horizontal
4929.525000	-64.84	-25.00	39.84	Horizontal
7143.750000	-62.66	-25.00	37.66	Horizontal
10004.725000	-61.08	-25.00	36.08	Horizontal



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**7.1.4 Test Channel = MCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.350000	-79.73	-25.00	54.73	Vertical
124.950000	-84.16	-25.00	59.16	Vertical
343.150000	-84.93	-25.00	59.93	Vertical
5032.550000	-63.51	-25.00	38.51	Vertical
7236.375000	-62.53	-25.00	37.53	Vertical
10593.950000	-60.81	-25.00	35.81	Vertical
62.800000	-75.54	-25.00	50.54	Horizontal
104.300000	-83.07	-25.00	58.07	Horizontal
268.150000	-85.97	-25.00	60.97	Horizontal
5032.550000	-64.61	-25.00	39.61	Horizontal
7245.475000	-62.68	-25.00	37.68	Horizontal
10640.425000	-60.71	-25.00	35.71	Horizontal

**7.1.5 Test Channel = HCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.050000	-79.79	-25.00	54.79	Vertical
104.300000	-82.16	-25.00	57.16	Vertical
318.450000	-84.82	-25.00	59.82	Vertical
4254.175000	-65.42	-25.00	40.42	Vertical
6694.925000	-63.76	-25.00	38.76	Vertical
10618.975000	-60.72	-25.00	35.72	Vertical
63.300000	-75.44	-25.00	50.44	Horizontal
104.300000	-82.85	-25.00	57.85	Horizontal
268.200000	-85.98	-25.00	60.98	Horizontal
4641.575000	-64.96	-25.00	39.96	Horizontal
7062.500000	-62.92	-25.00	37.92	Horizontal
10678.775000	-60.22	-25.00	35.22	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	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			Config					
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	TN	NV	-10.42	-0.004159	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	TN	NV	-12.15	-0.004810	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	TN	NV	12.81	0.005044	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	TN	NV	2.29	0.000905	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	TN	NV	-0.01	-0.000003	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	TN	NV	-1.31	-0.000512	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	TN	NV	-2.68	-0.001070	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	TN	NV	-2.28	-0.000902	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	TN	NV	-9.27	-0.003649	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	TN	NV	-5.61	-0.002218	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	TN	NV	-3.89	-0.001529	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	TN	NV	-14.76	-0.005767	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	TN	NV	-5.39	-0.002152	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	TN	NV	-12.26	-0.004856	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	TN	NV	-14.21	-0.005594	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	TN	NV	-7.50	-0.002964	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	TN	NV	6.26	0.002458	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	TN	NV	-8.64	-0.003375	PASS



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### 8.2 Frequency Error VS. Temperature

Test Band	Test Mode	Test Channel	RB	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			Config					
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	-30	-10.54	-0.004207	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	-20	-7.97	-0.003182	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	-10	6.74	0.002691	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	0	-4.67	-0.001865	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	10	-4.61	-0.001840	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	20	9.49	0.003787	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	30	-2.44	-0.000972	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	40	-3.41	-0.001360	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	50	-2.10	-0.000838	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	-30	-10.65	-0.004218	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	-20	-0.96	-0.000380	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	-10	-0.79	-0.000312	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	0	6.34	0.002511	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	10	-14.35	-0.005683	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	20	3.79	0.001500	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	30	-4.60	-0.001824	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	40	3.13	0.001239	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	50	13.21	0.005230	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	-30	-13.55	-0.005336	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	-20	-5.88	-0.002315	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	-10	13.27	0.005223	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	0	-14.34	-0.005645	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	10	-4.47	-0.001761	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	20	-8.41	-0.003312	PASS



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CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	30	13.08	0.005148	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	40	13.98	0.005504	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	50	-9.27	-0.003650	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	-30	0.27	0.000108	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	-20	6.78	0.002678	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	-10	3.02	0.001196	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	0	-1.93	-0.000765	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	10	-6.41	-0.002535	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	20	-5.58	-0.002206	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	30	-10.94	-0.004324	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	40	10.69	0.004226	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	50	4.46	0.001765	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	-30	-6.53	-0.002568	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	-20	-7.38	-0.002901	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	-10	-7.77	-0.003051	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	0	-7.62	-0.002995	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	10	-13.86	-0.005445	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	20	-13.39	-0.005260	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	30	-2.86	-0.001125	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	40	8.17	0.003211	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	50	-4.02	-0.001581	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	-30	11.39	0.004447	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	-20	10.26	0.004007	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	-10	12.80	0.004999	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	0	0.64	0.000249	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	10	12.16	0.004748	PASS



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CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	20	3.15	0.001231	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	30	-13.85	-0.005411	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	40	3.34	0.001305	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	50	2.24	0.000873	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	-30	-3.04	-0.001214	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	-20	-9.95	-0.003972	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	-10	-1.65	-0.000658	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	0	-4.57	-0.001822	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	10	-1.50	-0.000600	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	20	-1.77	-0.000705	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	30	-5.60	-0.002234	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	40	-6.63	-0.002646	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	50	-13.78	-0.005499	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	-30	11.01	0.004360	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	-20	0.29	0.000114	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	-10	-0.73	-0.000288	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	0	-11.92	-0.004721	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	10	-9.65	-0.003822	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	20	8.29	0.003285	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	30	-2.33	-0.000923	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	40	10.24	0.004055	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	50	14.86	0.005884	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	-30	-5.70	-0.002242	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	-20	10.61	0.004178	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	-10	3.61	0.001419	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	0	-6.05	-0.002383	PASS



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CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	10	-5.41	-0.002130	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	20	-6.75	-0.002657	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	30	9.78	0.003851	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	40	1.29	0.000510	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	50	-2.60	-0.001023	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	-30	10.73	0.004242	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	-20	-11.29	-0.004464	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	-10	-8.24	-0.003257	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	0	-2.07	-0.000818	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	10	-1.29	-0.000508	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	20	-1.46	-0.000576	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	30	4.40	0.001738	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	40	-3.95	-0.001561	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	50	4.35	0.001720	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	-30	-1.62	-0.000638	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	-20	7.84	0.003080	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	-10	-1.37	-0.000539	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	0	12.80	0.005028	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	10	-14.53	-0.005708	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	20	-5.03	-0.001976	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	30	-13.51	-0.005308	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	40	2.62	0.001030	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	50	-0.73	-0.000286	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	-30	-14.40	-0.005623	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	-20	-11.40	-0.004454	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	-10	7.49	0.002925	PASS



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CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	0	-8.38	-0.003275	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	10	-8.36	-0.003264	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	20	-8.32	-0.003250	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	30	-11.08	-0.004329	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	40	-12.83	-0.005014	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	50	-6.84	-0.002672	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	-30	-14.09	-0.005625	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	-20	3.27	0.001307	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	-10	4.63	0.001849	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	0	-6.93	-0.002765	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	10	-2.45	-0.000978	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	20	8.40	0.003354	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	30	11.69	0.004665	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	40	-8.47	-0.003381	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	50	13.16	0.005253	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	-30	2.58	0.001024	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	-20	3.33	0.001319	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	-10	4.47	0.001772	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	0	6.40	0.002536	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	10	9.95	0.003939	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	20	-5.43	-0.002150	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	30	3.39	0.001344	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	40	6.44	0.002550	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	50	-12.28	-0.004864	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	-30	-14.37	-0.005658	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	-20	-2.04	-0.000803	PASS



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CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	-10	6.36	0.002504	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	0	-12.82	-0.005045	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	10	5.07	0.001995	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	20	-3.58	-0.001409	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	30	12.20	0.004803	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	40	-10.83	-0.004265	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	50	6.04	0.002378	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	-30	-12.43	-0.004915	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	-20	-6.68	-0.002642	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	-10	-11.49	-0.004540	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	0	-10.85	-0.004288	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	10	-10.12	-0.004000	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	20	-6.68	-0.002640	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	30	-11.64	-0.004602	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	40	-8.23	-0.003254	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	50	-5.68	-0.002245	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	-30	-1.20	-0.000473	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	-20	13.01	0.005111	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	-10	12.70	0.004990	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	0	9.24	0.003633	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	10	-11.30	-0.004438	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	20	-2.36	-0.000926	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	30	-10.59	-0.004162	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	40	-9.57	-0.003760	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	50	13.70	0.005383	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	-30	-6.48	-0.002532	PASS



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CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	-20	13.60	0.005311	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	-10	-6.23	-0.002432	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	0	14.26	0.005570	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	10	-5.04	-0.001968	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	20	-10.92	-0.004266	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	30	-4.44	-0.001732	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	40	-5.48	-0.002142	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	50	14.75	0.005761	PASS

The End



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