



Appendix B.4

LTE Band 48



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Effective (Isotropic) Radiated Power Output Data

Test Result

ANT3

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm/10MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Verdict
Band48	5MHz	QPSK	55265	1RB#0	20.74	18.44	23	PASS
Band48	5MHz	QPSK	55265	1RB#12	20.80	18.50	23	PASS
Band48	5MHz	QPSK	55265	1RB#24	21.03	18.73	23	PASS
Band48	5MHz	QPSK	55265	25RB#0	19.66	17.36	23	PASS
Band48	5MHz	QPSK	55990	1RB#0	21.12	18.82	23	PASS
Band48	5MHz	QPSK	55990	1RB#12	21.18	18.88	23	PASS
Band48	5MHz	QPSK	55990	1RB#24	20.34	18.04	23	PASS
Band48	5MHz	QPSK	55990	25RB#0	19.53	17.23	23	PASS
Band48	5MHz	QPSK	56715	1RB#0	19.88	17.58	23	PASS
Band48	5MHz	QPSK	56715	1RB#12	20.48	18.18	23	PASS
Band48	5MHz	QPSK	56715	1RB#24	20.34	18.04	23	PASS
Band48	5MHz	QPSK	56715	25RB#0	19.65	17.35	23	PASS
Band48	5MHz	16QAM	55265	1RB#0	20.09	17.79	23	PASS
Band48	5MHz	16QAM	55265	1RB#12	20.69	18.39	23	PASS
Band48	5MHz	16QAM	55265	1RB#24	20.38	18.08	23	PASS
Band48	5MHz	16QAM	55265	25RB#0	19.54	17.24	23	PASS
Band48	5MHz	16QAM	55990	1RB#0	20.46	18.16	23	PASS
Band48	5MHz	16QAM	55990	1RB#12	20.48	18.18	23	PASS
Band48	5MHz	16QAM	55990	1RB#24	19.85	17.55	23	PASS
Band48	5MHz	16QAM	55990	25RB#0	18.75	16.45	23	PASS
Band48	5MHz	16QAM	56715	1RB#0	19.60	17.30	23	PASS
Band48	5MHz	16QAM	56715	1RB#12	19.50	17.20	23	PASS
Band48	5MHz	16QAM	56715	1RB#24	20.02	17.72	23	PASS
Band48	5MHz	16QAM	56715	25RB#0	18.32	16.02	23	PASS
Band48	5MHz	64QAM	55265	1RB#0	18.58	16.28	23	PASS
Band48	5MHz	64QAM	55265	1RB#12	18.42	16.12	23	PASS
Band48	5MHz	64QAM	55265	1RB#24	19.28	16.98	23	PASS
Band48	5MHz	64QAM	55265	25RB#0	17.85	15.55	23	PASS
Band48	5MHz	64QAM	55990	1RB#0	18.85	16.55	23	PASS
Band48	5MHz	64QAM	55990	1RB#12	18.70	16.40	23	PASS
Band48	5MHz	64QAM	55990	1RB#24	19.06	16.76	23	PASS



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Band48	5MHz	64QAM	55990	25RB#0	17.65	15.35	23	PASS
Band48	5MHz	64QAM	56715	1RB#0	18.17	15.87	23	PASS
Band48	5MHz	64QAM	56715	1RB#12	17.67	15.37	23	PASS
Band48	5MHz	64QAM	56715	1RB#24	17.60	15.30	23	PASS
Band48	5MHz	64QAM	56715	25RB#0	17.27	14.97	23	PASS
Band48	5MHz	256QAM	55265	1RB#0	16.23	13.93	23	PASS
Band48	5MHz	256QAM	55265	1RB#12	16.05	13.75	23	PASS
Band48	5MHz	256QAM	55265	1RB#24	15.81	13.51	23	PASS
Band48	5MHz	256QAM	55265	25RB#0	15.37	13.07	23	PASS
Band48	5MHz	256QAM	55990	1RB#0	15.42	13.12	23	PASS
Band48	5MHz	256QAM	55990	1RB#12	15.95	13.65	23	PASS
Band48	5MHz	256QAM	55990	1RB#24	15.54	13.24	23	PASS
Band48	5MHz	256QAM	55990	25RB#0	14.92	12.62	23	PASS
Band48	5MHz	256QAM	56715	1RB#0	15.88	13.58	23	PASS
Band48	5MHz	256QAM	56715	1RB#12	15.09	12.79	23	PASS
Band48	5MHz	256QAM	56715	1RB#24	15.23	12.93	23	PASS
Band48	5MHz	256QAM	56715	25RB#0	15.80	13.50	23	PASS
Band48	10MHz	QPSK	55290	1RB#0	20.58	18.28	23	PASS
Band48	10MHz	QPSK	55290	1RB#24	20.69	18.39	23	PASS
Band48	10MHz	QPSK	55290	1RB#49	20.65	18.35	23	PASS
Band48	10MHz	QPSK	55290	50RB#0	19.86	17.56	23	PASS
Band48	10MHz	QPSK	55990	1RB#0	21.10	18.80	23	PASS
Band48	10MHz	QPSK	55990	1RB#24	20.73	18.43	23	PASS
Band48	10MHz	QPSK	55990	1RB#49	20.21	17.91	23	PASS
Band48	10MHz	QPSK	55990	50RB#0	20.46	18.16	23	PASS
Band48	10MHz	QPSK	56690	1RB#0	20.58	18.28	23	PASS
Band48	10MHz	QPSK	56690	1RB#24	19.80	17.50	23	PASS
Band48	10MHz	QPSK	56690	1RB#49	20.80	18.50	23	PASS
Band48	10MHz	QPSK	56690	50RB#0	19.87	17.57	23	PASS
Band48	10MHz	16QAM	55290	1RB#0	20.29	17.99	23	PASS
Band48	10MHz	16QAM	55290	1RB#24	20.15	17.85	23	PASS
Band48	10MHz	16QAM	55290	1RB#49	20.40	18.10	23	PASS
Band48	10MHz	16QAM	55290	50RB#0	18.86	16.56	23	PASS
Band48	10MHz	16QAM	55990	1RB#0	20.32	18.02	23	PASS
Band48	10MHz	16QAM	55990	1RB#24	20.54	18.24	23	PASS
Band48	10MHz	16QAM	55990	1RB#49	20.04	17.74	23	PASS
Band48	10MHz	16QAM	55990	50RB#0	18.80	16.50	23	PASS
Band48	10MHz	16QAM	56690	1RB#0	19.34	17.04	23	PASS



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Band48	10MHz	16QAM	56690	1RB#24	19.88	17.58	23	PASS
Band48	10MHz	16QAM	56690	1RB#49	19.67	17.37	23	PASS
Band48	10MHz	16QAM	56690	50RB#0	18.30	16.00	23	PASS
Band48	10MHz	64QAM	55290	1RB#0	18.80	16.50	23	PASS
Band48	10MHz	64QAM	55290	1RB#24	19.15	16.85	23	PASS
Band48	10MHz	64QAM	55290	1RB#49	19.12	16.82	23	PASS
Band48	10MHz	64QAM	55290	50RB#0	17.75	15.45	23	PASS
Band48	10MHz	64QAM	55990	1RB#0	18.55	16.25	23	PASS
Band48	10MHz	64QAM	55990	1RB#24	18.82	16.52	23	PASS
Band48	10MHz	64QAM	55990	1RB#49	18.26	15.96	23	PASS
Band48	10MHz	64QAM	55990	50RB#0	18.17	15.87	23	PASS
Band48	10MHz	64QAM	56690	1RB#0	18.12	15.82	23	PASS
Band48	10MHz	64QAM	56690	1RB#24	18.21	15.91	23	PASS
Band48	10MHz	64QAM	56690	1RB#49	18.48	16.18	23	PASS
Band48	10MHz	64QAM	56690	50RB#0	17.66	15.36	23	PASS
Band48	10MHz	256QAM	55290	1RB#24	16.01	13.71	23	PASS
Band48	10MHz	256QAM	55290	1RB#49	16.10	13.80	23	PASS
Band48	10MHz	256QAM	55290	50RB#0	15.75	13.45	23	PASS
Band48	10MHz	256QAM	55990	1RB#0	16.23	13.93	23	PASS
Band48	10MHz	256QAM	55990	1RB#24	15.38	13.08	23	PASS
Band48	10MHz	256QAM	55990	1RB#49	15.66	13.36	23	PASS
Band48	10MHz	256QAM	55990	50RB#0	15.95	13.65	23	PASS
Band48	10MHz	256QAM	56690	1RB#24	15.32	13.02	23	PASS
Band48	10MHz	256QAM	56690	1RB#49	15.07	12.77	23	PASS
Band48	10MHz	256QAM	56690	50RB#0	15.49	13.19	23	PASS
Band48	10MHz	256QAM	55290	1RB#0	16.08	13.78	23	PASS
Band48	10MHz	256QAM	56690	1RB#0	16.10	13.80	23	PASS
Band48	15MHz	QPSK	55315	1RB#0	20.94	18.64	23	PASS
Band48	15MHz	QPSK	55315	1RB#38	20.64	18.34	23	PASS
Band48	15MHz	QPSK	55315	1RB#74	21.07	18.77	23	PASS
Band48	15MHz	QPSK	55315	75RB#0	19.13	16.83	23	PASS
Band48	15MHz	QPSK	55990	1RB#0	21.18	18.88	23	PASS
Band48	15MHz	QPSK	55990	1RB#38	21.01	18.71	23	PASS
Band48	15MHz	QPSK	55990	1RB#74	20.56	18.26	23	PASS
Band48	15MHz	QPSK	55990	75RB#0	18.47	16.17	23	PASS
Band48	15MHz	QPSK	56665	1RB#0	20.33	18.03	23	PASS
Band48	15MHz	QPSK	56665	1RB#38	19.78	17.48	23	PASS
Band48	15MHz	QPSK	56665	1RB#74	20.67	18.37	23	PASS



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Band48	15MHz	QPSK	56665	75RB#0	18.45	16.15	23	PASS
Band48	15MHz	16QAM	55315	1RB#0	20.06	17.76	23	PASS
Band48	15MHz	16QAM	55315	1RB#38	20.02	17.72	23	PASS
Band48	15MHz	16QAM	55315	1RB#74	20.62	18.32	23	PASS
Band48	15MHz	16QAM	55315	75RB#0	17.80	15.50	23	PASS
Band48	15MHz	16QAM	55990	1RB#0	19.97	17.67	23	PASS
Band48	15MHz	16QAM	55990	1RB#38	19.80	17.50	23	PASS
Band48	15MHz	16QAM	55990	1RB#74	20.31	18.01	23	PASS
Band48	15MHz	16QAM	55990	75RB#0	17.85	15.55	23	PASS
Band48	15MHz	16QAM	56665	1RB#0	19.08	16.78	23	PASS
Band48	15MHz	16QAM	56665	1RB#38	19.25	16.95	23	PASS
Band48	15MHz	16QAM	56665	1RB#74	19.40	17.10	23	PASS
Band48	15MHz	16QAM	56665	75RB#0	17.03	14.73	23	PASS
Band48	15MHz	64QAM	55315	1RB#0	18.78	16.48	23	PASS
Band48	15MHz	64QAM	55315	1RB#38	18.90	16.60	23	PASS
Band48	15MHz	64QAM	55315	1RB#74	18.46	16.16	23	PASS
Band48	15MHz	64QAM	55315	75RB#0	17.18	14.88	23	PASS
Band48	15MHz	64QAM	55990	1RB#0	18.78	16.48	23	PASS
Band48	15MHz	64QAM	55990	1RB#38	18.35	16.05	23	PASS
Band48	15MHz	64QAM	55990	1RB#74	18.52	16.22	23	PASS
Band48	15MHz	64QAM	55990	75RB#0	16.50	14.20	23	PASS
Band48	15MHz	64QAM	56665	1RB#0	18.41	16.11	23	PASS
Band48	15MHz	64QAM	56665	1RB#38	18.45	16.15	23	PASS
Band48	15MHz	64QAM	56665	1RB#74	17.97	15.67	23	PASS
Band48	15MHz	64QAM	56665	75RB#0	16.42	14.12	23	PASS
Band48	15MHz	256QAM	55315	1RB#0	16.27	13.97	23	PASS
Band48	15MHz	256QAM	55315	1RB#38	16.07	13.77	23	PASS
Band48	15MHz	256QAM	55315	1RB#74	15.83	13.53	23	PASS
Band48	15MHz	256QAM	55315	75RB#0	14.68	12.38	23	PASS
Band48	15MHz	256QAM	55990	1RB#0	15.60	13.30	23	PASS
Band48	15MHz	256QAM	55990	1RB#38	15.74	13.44	23	PASS
Band48	15MHz	256QAM	55990	1RB#74	16.00	13.70	23	PASS
Band48	15MHz	256QAM	55990	75RB#0	14.49	12.19	23	PASS
Band48	15MHz	256QAM	56665	1RB#0	15.50	13.20	23	PASS
Band48	15MHz	256QAM	56665	1RB#38	15.37	13.07	23	PASS
Band48	15MHz	256QAM	56665	1RB#74	14.99	12.69	23	PASS
Band48	15MHz	256QAM	56665	75RB#0	13.94	11.64	23	PASS
Band48	20MHz	QPSK	55340	1RB#0	20.74	18.44	23	PASS



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Band48	20MHz	QPSK	55340	1RB#49	20.72	18.42	23	PASS
Band48	20MHz	QPSK	55340	1RB#99	21.49	19.19	23	PASS
Band48	20MHz	QPSK	55340	100RB#0	18.29	15.99	23	PASS
Band48	20MHz	QPSK	55990	1RB#0	20.66	18.36	23	PASS
Band48	20MHz	QPSK	55990	1RB#49	21.02	18.72	23	PASS
Band48	20MHz	QPSK	55990	1RB#99	20.73	18.43	23	PASS
Band48	20MHz	QPSK	55990	100RB#0	18.01	15.71	23	PASS
Band48	20MHz	QPSK	56640	1RB#0	20.74	18.44	23	PASS
Band48	20MHz	QPSK	56640	1RB#49	19.86	17.56	23	PASS
Band48	20MHz	QPSK	56640	1RB#99	20.63	18.33	23	PASS
Band48	20MHz	QPSK	56640	100RB#0	17.17	14.87	23	PASS
Band48	20MHz	16QAM	55340	1RB#0	20.44	18.14	23	PASS
Band48	20MHz	16QAM	55340	1RB#49	20.35	18.05	23	PASS
Band48	20MHz	16QAM	55340	1RB#99	20.02	17.72	23	PASS
Band48	20MHz	16QAM	55340	100RB#0	17.30	15.00	23	PASS
Band48	20MHz	16QAM	55990	1RB#0	20.30	18.00	23	PASS
Band48	20MHz	16QAM	55990	1RB#49	19.53	17.23	23	PASS
Band48	20MHz	16QAM	55990	1RB#99	19.59	17.29	23	PASS
Band48	20MHz	16QAM	55990	100RB#0	17.04	14.74	23	PASS
Band48	20MHz	16QAM	56640	1RB#0	19.64	17.34	23	PASS
Band48	20MHz	16QAM	56640	1RB#49	19.42	17.12	23	PASS
Band48	20MHz	16QAM	56640	1RB#99	19.07	16.77	23	PASS
Band48	20MHz	16QAM	56640	100RB#0	16.61	14.31	23	PASS
Band48	20MHz	64QAM	55340	1RB#0	18.73	16.43	23	PASS
Band48	20MHz	64QAM	55340	1RB#49	18.68	16.38	23	PASS
Band48	20MHz	64QAM	55340	1RB#99	18.73	16.43	23	PASS
Band48	20MHz	64QAM	55340	100RB#0	15.94	13.64	23	PASS
Band48	20MHz	64QAM	55990	1RB#0	18.72	16.42	23	PASS
Band48	20MHz	64QAM	55990	1RB#49	18.58	16.28	23	PASS
Band48	20MHz	64QAM	55990	1RB#99	18.89	16.59	23	PASS
Band48	20MHz	64QAM	55990	100RB#0	16.08	13.78	23	PASS
Band48	20MHz	64QAM	56640	1RB#0	18.05	15.75	23	PASS
Band48	20MHz	64QAM	56640	1RB#49	18.41	16.11	23	PASS
Band48	20MHz	64QAM	56640	1RB#99	17.95	15.65	23	PASS
Band48	20MHz	64QAM	56640	100RB#0	15.15	12.85	23	PASS
Band48	20MHz	256QAM	55340	1RB#0	16.01	13.71	23	PASS
Band48	20MHz	256QAM	55340	1RB#49	16.15	13.85	23	PASS
Band48	20MHz	256QAM	55340	1RB#99	15.79	13.49	23	PASS



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Band48	20MHz	256QAM	55340	100RB#0	12.88	10.58	23	PASS
Band48	20MHz	256QAM	55990	1RB#0	16.14	13.84	23	PASS
Band48	20MHz	256QAM	55990	1RB#49	15.43	13.13	23	PASS
Band48	20MHz	256QAM	55990	1RB#99	15.71	13.41	23	PASS
Band48	20MHz	256QAM	55990	100RB#0	13.15	10.85	23	PASS
Band48	20MHz	256QAM	56640	1RB#0	15.05	12.75	23	PASS
Band48	20MHz	256QAM	56640	1RB#49	14.93	12.63	23	PASS
Band48	20MHz	256QAM	56640	1RB#99	14.76	12.46	23	PASS
Band48	20MHz	256QAM	56640	100RB#0	13.60	11.30	23	PASS



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Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Verdict
Band48	5MHz	QPSK	55265	1RB#0	20.85	18.55	PASS
Band48	5MHz	QPSK	55265	1RB#12	20.93	18.63	PASS
Band48	5MHz	QPSK	55265	1RB#24	20.91	18.61	PASS
Band48	5MHz	QPSK	55265	25RB#0	20.16	17.86	PASS
Band48	5MHz	QPSK	55990	1RB#0	20.68	18.38	PASS
Band48	5MHz	QPSK	55990	1RB#12	20.73	18.43	PASS
Band48	5MHz	QPSK	55990	1RB#24	20.68	18.38	PASS
Band48	5MHz	QPSK	55990	25RB#0	19.91	17.61	PASS
Band48	5MHz	QPSK	56715	1RB#0	20.28	17.98	PASS
Band48	5MHz	QPSK	56715	1RB#12	20.39	18.09	PASS
Band48	5MHz	QPSK	56715	1RB#24	20.32	18.02	PASS
Band48	5MHz	QPSK	56715	25RB#0	19.38	17.08	PASS
Band48	5MHz	16QAM	55265	1RB#0	20.18	17.88	PASS
Band48	5MHz	16QAM	55265	1RB#12	20.24	17.94	PASS
Band48	5MHz	16QAM	55265	1RB#24	20.20	17.90	PASS
Band48	5MHz	16QAM	55265	25RB#0	19.11	16.81	PASS
Band48	5MHz	16QAM	55990	1RB#0	20.02	17.72	PASS
Band48	5MHz	16QAM	55990	1RB#12	20.03	17.73	PASS
Band48	5MHz	16QAM	55990	1RB#24	20.03	17.73	PASS
Band48	5MHz	16QAM	55990	25RB#0	18.97	16.67	PASS
Band48	5MHz	16QAM	56715	1RB#0	19.55	17.25	PASS
Band48	5MHz	16QAM	56715	1RB#12	19.50	17.20	PASS
Band48	5MHz	16QAM	56715	1RB#24	19.53	17.23	PASS
Band48	5MHz	16QAM	56715	25RB#0	18.43	16.13	PASS
Band48	5MHz	64QAM	55265	1RB#0	18.76	16.46	PASS
Band48	5MHz	64QAM	55265	1RB#12	18.79	16.49	PASS
Band48	5MHz	64QAM	55265	1RB#24	18.84	16.54	PASS
Band48	5MHz	64QAM	55265	25RB#0	18.20	15.90	PASS
Band48	5MHz	64QAM	55990	1RB#0	18.64	16.34	PASS
Band48	5MHz	64QAM	55990	1RB#12	18.62	16.32	PASS
Band48	5MHz	64QAM	55990	1RB#24	18.60	16.30	PASS
Band48	5MHz	64QAM	55990	25RB#0	17.96	15.66	PASS
Band48	5MHz	64QAM	56715	1RB#0	18.11	15.81	PASS
Band48	5MHz	64QAM	56715	1RB#12	18.17	15.87	PASS
Band48	5MHz	64QAM	56715	1RB#24	18.08	15.78	PASS



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Band48	5MHz	64QAM	56715	25RB#0	17.50	15.20	PASS
Band48	5MHz	256QAM	55265	1RB#0	15.89	13.59	PASS
Band48	5MHz	256QAM	55265	1RB#12	15.92	13.62	PASS
Band48	5MHz	256QAM	55265	1RB#24	15.94	13.64	PASS
Band48	5MHz	256QAM	55265	25RB#0	15.48	13.18	PASS
Band48	5MHz	256QAM	55990	1RB#0	15.66	13.36	PASS
Band48	5MHz	256QAM	55990	1RB#12	15.57	13.27	PASS
Band48	5MHz	256QAM	55990	1RB#24	15.71	13.41	PASS
Band48	5MHz	256QAM	55990	25RB#0	15.34	13.04	PASS
Band48	5MHz	256QAM	56715	1RB#0	15.81	13.51	PASS
Band48	5MHz	256QAM	56715	1RB#12	15.23	12.93	PASS
Band48	5MHz	256QAM	56715	1RB#24	15.67	13.37	PASS
Band48	5MHz	256QAM	56715	25RB#0	15.38	13.08	PASS
Band48	10MHz	QPSK	55290	1RB#0	20.90	18.60	PASS
Band48	10MHz	QPSK	55290	1RB#24	20.90	18.60	PASS
Band48	10MHz	QPSK	55290	1RB#49	20.91	18.61	PASS
Band48	10MHz	QPSK	55290	50RB#0	20.24	17.94	PASS
Band48	10MHz	QPSK	55990	1RB#0	20.71	18.41	PASS
Band48	10MHz	QPSK	55990	1RB#24	20.69	18.39	PASS
Band48	10MHz	QPSK	55990	1RB#49	20.69	18.39	PASS
Band48	10MHz	QPSK	55990	50RB#0	19.99	17.69	PASS
Band48	10MHz	QPSK	56690	1RB#0	20.25	17.95	PASS
Band48	10MHz	QPSK	56690	1RB#24	20.29	17.99	PASS
Band48	10MHz	QPSK	56690	1RB#49	20.35	18.05	PASS
Band48	10MHz	QPSK	56690	50RB#0	19.47	17.17	PASS
Band48	10MHz	16QAM	55290	1RB#0	20.17	17.87	PASS
Band48	10MHz	16QAM	55290	1RB#24	20.26	17.96	PASS
Band48	10MHz	16QAM	55290	1RB#49	20.27	17.97	PASS
Band48	10MHz	16QAM	55290	50RB#0	19.23	16.93	PASS
Band48	10MHz	16QAM	55990	1RB#0	20.05	17.75	PASS
Band48	10MHz	16QAM	55990	1RB#24	20.04	17.74	PASS
Band48	10MHz	16QAM	55990	1RB#49	20.05	17.75	PASS
Band48	10MHz	16QAM	55990	50RB#0	18.99	16.69	PASS
Band48	10MHz	16QAM	56690	1RB#0	19.55	17.25	PASS
Band48	10MHz	16QAM	56690	1RB#24	19.59	17.29	PASS
Band48	10MHz	16QAM	56690	1RB#49	19.48	17.18	PASS
Band48	10MHz	16QAM	56690	50RB#0	18.47	16.17	PASS
Band48	10MHz	64QAM	55290	1RB#0	18.77	16.47	PASS



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Band48	10MHz	64QAM	55290	1RB#24	18.88	16.58	PASS
Band48	10MHz	64QAM	55290	1RB#49	18.83	16.53	PASS
Band48	10MHz	64QAM	55290	50RB#0	18.16	15.86	PASS
Band48	10MHz	64QAM	55990	1RB#0	18.64	16.34	PASS
Band48	10MHz	64QAM	55990	1RB#24	18.61	16.31	PASS
Band48	10MHz	64QAM	55990	1RB#49	18.55	16.25	PASS
Band48	10MHz	64QAM	55990	50RB#0	17.98	15.68	PASS
Band48	10MHz	64QAM	56690	1RB#0	18.10	15.80	PASS
Band48	10MHz	64QAM	56690	1RB#24	18.12	15.82	PASS
Band48	10MHz	64QAM	56690	1RB#49	18.11	15.81	PASS
Band48	10MHz	64QAM	56690	50RB#0	17.48	15.18	PASS
Band48	10MHz	256QAM	55290	1RB#24	15.95	13.65	PASS
Band48	10MHz	256QAM	55290	1RB#49	16.01	13.71	PASS
Band48	10MHz	256QAM	55290	50RB#0	16.20	13.90	PASS
Band48	10MHz	256QAM	55990	1RB#0	15.88	13.58	PASS
Band48	10MHz	256QAM	55990	1RB#24	15.73	13.43	PASS
Band48	10MHz	256QAM	55990	1RB#49	15.67	13.37	PASS
Band48	10MHz	256QAM	55990	50RB#0	15.98	13.68	PASS
Band48	10MHz	256QAM	56690	1RB#24	15.24	12.94	PASS
Band48	10MHz	256QAM	56690	1RB#49	15.26	12.96	PASS
Band48	10MHz	256QAM	56690	50RB#0	15.46	13.16	PASS
Band48	10MHz	256QAM	55290	1RB#0	15.83	13.53	PASS
Band48	10MHz	256QAM	56690	1RB#0	15.82	13.52	PASS
Band48	15MHz	QPSK	55315	1RB#0	20.88	18.58	PASS
Band48	15MHz	QPSK	55315	1RB#38	20.86	18.56	PASS
Band48	15MHz	QPSK	55315	1RB#74	20.92	18.62	PASS
Band48	15MHz	QPSK	55315	75RB#0	20.13	17.83	PASS
Band48	15MHz	QPSK	55990	1RB#0	20.71	18.41	PASS
Band48	15MHz	QPSK	55990	1RB#38	20.66	18.36	PASS
Band48	15MHz	QPSK	55990	1RB#74	20.65	18.35	PASS
Band48	15MHz	QPSK	55990	75RB#0	19.87	17.57	PASS
Band48	15MHz	QPSK	56665	1RB#0	20.26	17.96	PASS
Band48	15MHz	QPSK	56665	1RB#38	20.24	17.94	PASS
Band48	15MHz	QPSK	56665	1RB#74	20.30	18.00	PASS
Band48	15MHz	QPSK	56665	75RB#0	19.45	17.15	PASS
Band48	15MHz	16QAM	55315	1RB#0	20.17	17.87	PASS
Band48	15MHz	16QAM	55315	1RB#38	20.24	17.94	PASS
Band48	15MHz	16QAM	55315	1RB#74	20.29	17.99	PASS



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Band48	15MHz	16QAM	55315	75RB#0	19.20	16.90	PASS
Band48	15MHz	16QAM	55990	1RB#0	20.00	17.70	PASS
Band48	15MHz	16QAM	55990	1RB#38	19.98	17.68	PASS
Band48	15MHz	16QAM	55990	1RB#74	19.98	17.68	PASS
Band48	15MHz	16QAM	55990	75RB#0	18.85	16.55	PASS
Band48	15MHz	16QAM	56665	1RB#0	19.48	17.18	PASS
Band48	15MHz	16QAM	56665	1RB#38	19.50	17.20	PASS
Band48	15MHz	16QAM	56665	1RB#74	19.55	17.25	PASS
Band48	15MHz	16QAM	56665	75RB#0	18.43	16.13	PASS
Band48	15MHz	64QAM	55315	1RB#0	18.75	16.45	PASS
Band48	15MHz	64QAM	55315	1RB#38	18.87	16.57	PASS
Band48	15MHz	64QAM	55315	1RB#74	18.87	16.57	PASS
Band48	15MHz	64QAM	55315	75RB#0	18.18	15.88	PASS
Band48	15MHz	64QAM	55990	1RB#0	18.56	16.26	PASS
Band48	15MHz	64QAM	55990	1RB#38	18.62	16.32	PASS
Band48	15MHz	64QAM	55990	1RB#74	18.55	16.25	PASS
Band48	15MHz	64QAM	55990	75RB#0	17.90	15.60	PASS
Band48	15MHz	64QAM	56665	1RB#0	18.09	15.79	PASS
Band48	15MHz	64QAM	56665	1RB#38	18.10	15.80	PASS
Band48	15MHz	64QAM	56665	1RB#74	18.13	15.83	PASS
Band48	15MHz	64QAM	56665	75RB#0	17.42	15.12	PASS
Band48	15MHz	256QAM	55315	1RB#0	15.89	13.59	PASS
Band48	15MHz	256QAM	55315	1RB#38	15.95	13.65	PASS
Band48	15MHz	256QAM	55315	1RB#74	15.93	13.63	PASS
Band48	15MHz	256QAM	55315	75RB#0	16.08	13.78	PASS
Band48	15MHz	256QAM	55990	1RB#0	15.81	13.51	PASS
Band48	15MHz	256QAM	55990	1RB#38	15.72	13.42	PASS
Band48	15MHz	256QAM	55990	1RB#74	15.62	13.32	PASS
Band48	15MHz	256QAM	55990	75RB#0	15.89	13.59	PASS
Band48	15MHz	256QAM	56665	1RB#0	15.32	13.02	PASS
Band48	15MHz	256QAM	56665	1RB#38	15.14	12.84	PASS
Band48	15MHz	256QAM	56665	1RB#74	15.22	12.92	PASS
Band48	15MHz	256QAM	56665	75RB#0	15.34	13.04	PASS
Band48	20MHz	QPSK	55340	1RB#0	20.91	18.61	PASS
Band48	20MHz	QPSK	55340	1RB#49	20.88	18.58	PASS
Band48	20MHz	QPSK	55340	1RB#99	21.05	18.75	PASS
Band48	20MHz	QPSK	55340	100RB#0	20.19	17.89	PASS
Band48	20MHz	QPSK	55990	1RB#0	21.03	18.73	PASS



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Band48	20MHz	QPSK	55990	1RB#49	20.70	18.40	PASS
Band48	20MHz	QPSK	55990	1RB#99	20.59	18.29	PASS
Band48	20MHz	QPSK	55990	100RB#0	19.91	17.61	PASS
Band48	20MHz	QPSK	56640	1RB#0	20.69	18.39	PASS
Band48	20MHz	QPSK	56640	1RB#49	20.24	17.94	PASS
Band48	20MHz	QPSK	56640	1RB#99	20.34	18.04	PASS
Band48	20MHz	QPSK	56640	100RB#0	19.47	17.17	PASS
Band48	20MHz	16QAM	55340	1RB#0	20.19	17.89	PASS
Band48	20MHz	16QAM	55340	1RB#49	20.29	17.99	PASS
Band48	20MHz	16QAM	55340	1RB#99	20.35	18.05	PASS
Band48	20MHz	16QAM	55340	100RB#0	19.20	16.90	PASS
Band48	20MHz	16QAM	55990	1RB#0	20.56	18.26	PASS
Band48	20MHz	16QAM	55990	1RB#49	20.00	17.70	PASS
Band48	20MHz	16QAM	55990	1RB#99	19.96	17.66	PASS
Band48	20MHz	16QAM	55990	100RB#0	18.94	16.64	PASS
Band48	20MHz	16QAM	56640	1RB#0	19.50	17.20	PASS
Band48	20MHz	16QAM	56640	1RB#49	19.53	17.23	PASS
Band48	20MHz	16QAM	56640	1RB#99	19.55	17.25	PASS
Band48	20MHz	16QAM	56640	100RB#0	18.51	16.21	PASS
Band48	20MHz	64QAM	55340	1RB#0	18.84	16.54	PASS
Band48	20MHz	64QAM	55340	1RB#49	18.88	16.58	PASS
Band48	20MHz	64QAM	55340	1RB#99	18.91	16.61	PASS
Band48	20MHz	64QAM	55340	100RB#0	18.24	15.94	PASS
Band48	20MHz	64QAM	55990	1RB#0	18.59	16.29	PASS
Band48	20MHz	64QAM	55990	1RB#49	18.61	16.31	PASS
Band48	20MHz	64QAM	55990	1RB#99	18.47	16.17	PASS
Band48	20MHz	64QAM	55990	100RB#0	17.98	15.68	PASS
Band48	20MHz	64QAM	56640	1RB#0	18.07	15.77	PASS
Band48	20MHz	64QAM	56640	1RB#49	18.05	15.75	PASS
Band48	20MHz	64QAM	56640	1RB#99	18.08	15.78	PASS
Band48	20MHz	64QAM	56640	100RB#0	17.45	15.15	PASS
Band48	20MHz	256QAM	55340	1RB#0	15.85	13.55	PASS
Band48	20MHz	256QAM	55340	1RB#49	15.96	13.66	PASS
Band48	20MHz	256QAM	55340	1RB#99	16.00	13.70	PASS
Band48	20MHz	256QAM	55340	100RB#0	15.18	12.88	PASS
Band48	20MHz	256QAM	55990	1RB#0	15.71	13.41	PASS
Band48	20MHz	256QAM	55990	1RB#49	15.73	13.43	PASS
Band48	20MHz	256QAM	55990	1RB#99	15.66	13.36	PASS



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Band48	20MHz	256QAM	55990	100RB#0	15.05	12.75	PASS
Band48	20MHz	256QAM	56640	1RB#0	15.19	12.89	PASS
Band48	20MHz	256QAM	56640	1RB#49	15.22	12.92	PASS
Band48	20MHz	256QAM	56640	1RB#99	15.22	12.92	PASS
Band48	20MHz	256QAM	56640	100RB#0	15.50	13.20	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

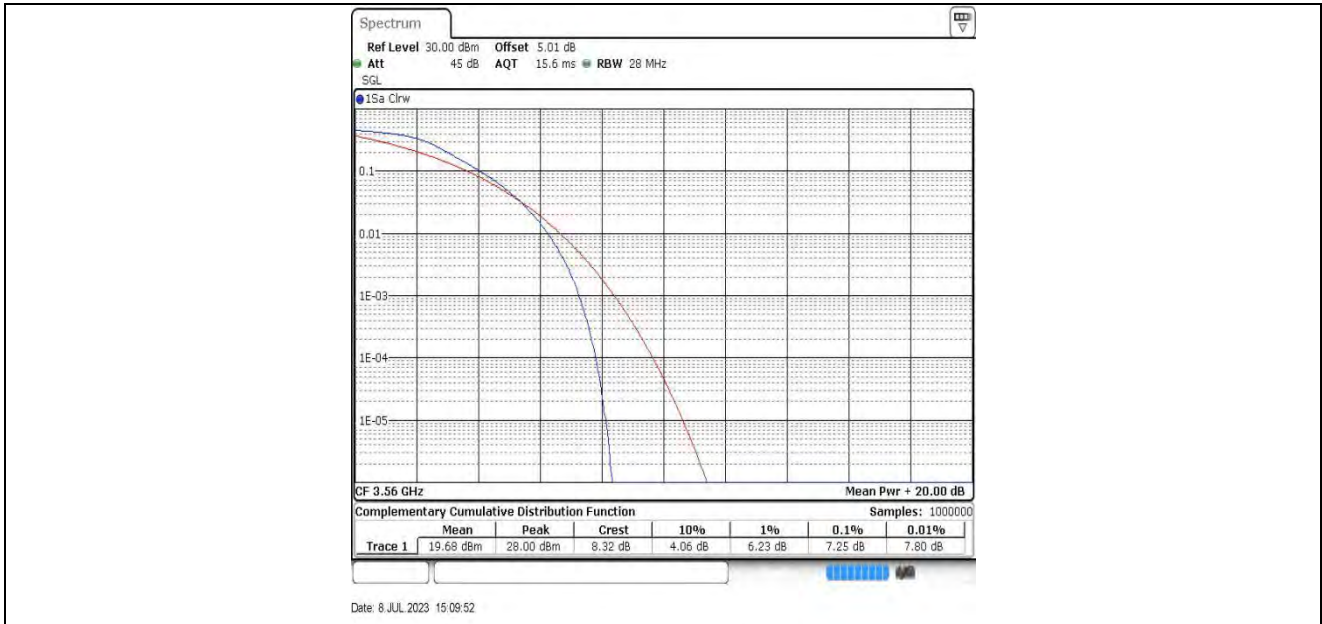
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band48	20MHz	QPSK	55340	100RB#0	7.25	13	PASS
Band48	20MHz	QPSK	55990	100RB#0	7.25	13	PASS
Band48	20MHz	QPSK	56640	100RB#0	7.13	13	PASS
Band48	20MHz	16QAM	55340	100RB#0	7.77	13	PASS
Band48	20MHz	16QAM	55990	100RB#0	7.68	13	PASS
Band48	20MHz	16QAM	56640	100RB#0	7.57	13	PASS
Band48	20MHz	64QAM	55340	100RB#0	8.09	13	PASS
Band48	20MHz	64QAM	55990	100RB#0	7.91	13	PASS
Band48	20MHz	64QAM	56640	100RB#0	7.83	13	PASS
Band48	20MHz	256QAM	55340	100RB#0	8.29	13	PASS
Band48	20MHz	256QAM	55990	100RB#0	8.26	13	PASS
Band48	20MHz	256QAM	56640	100RB#0	8.06	13	PASS



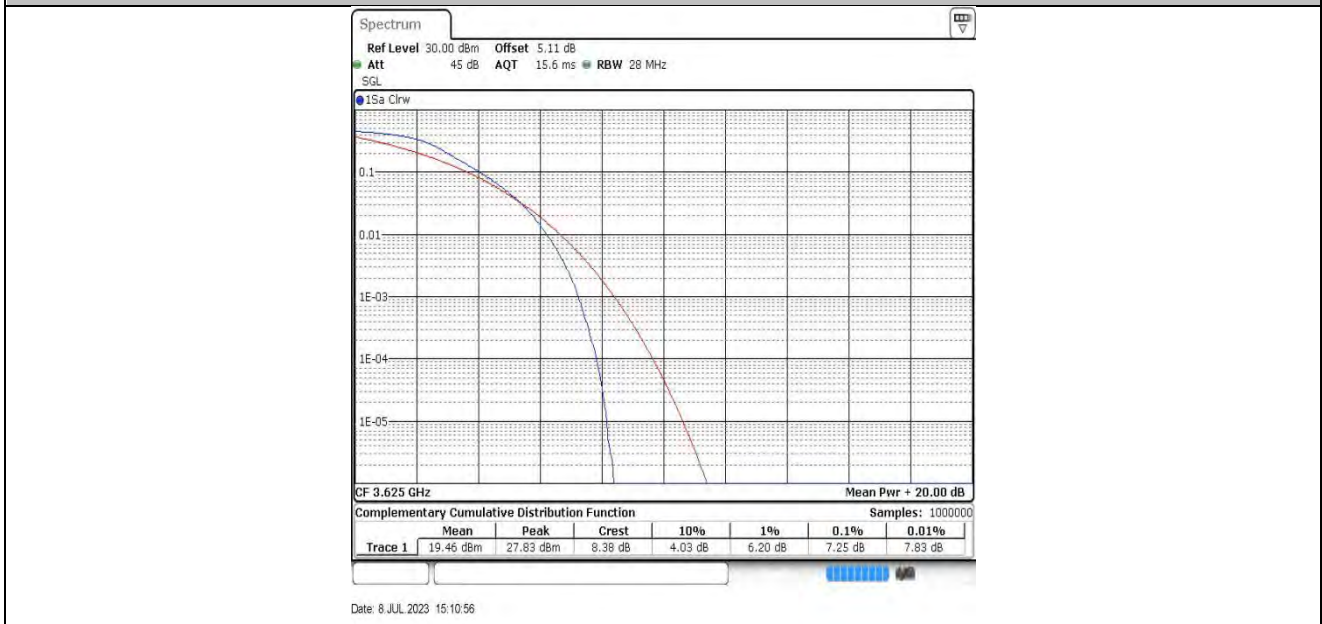
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Test Graphs



20MHz-55340 QPSK



20MHz-55990 QPSK



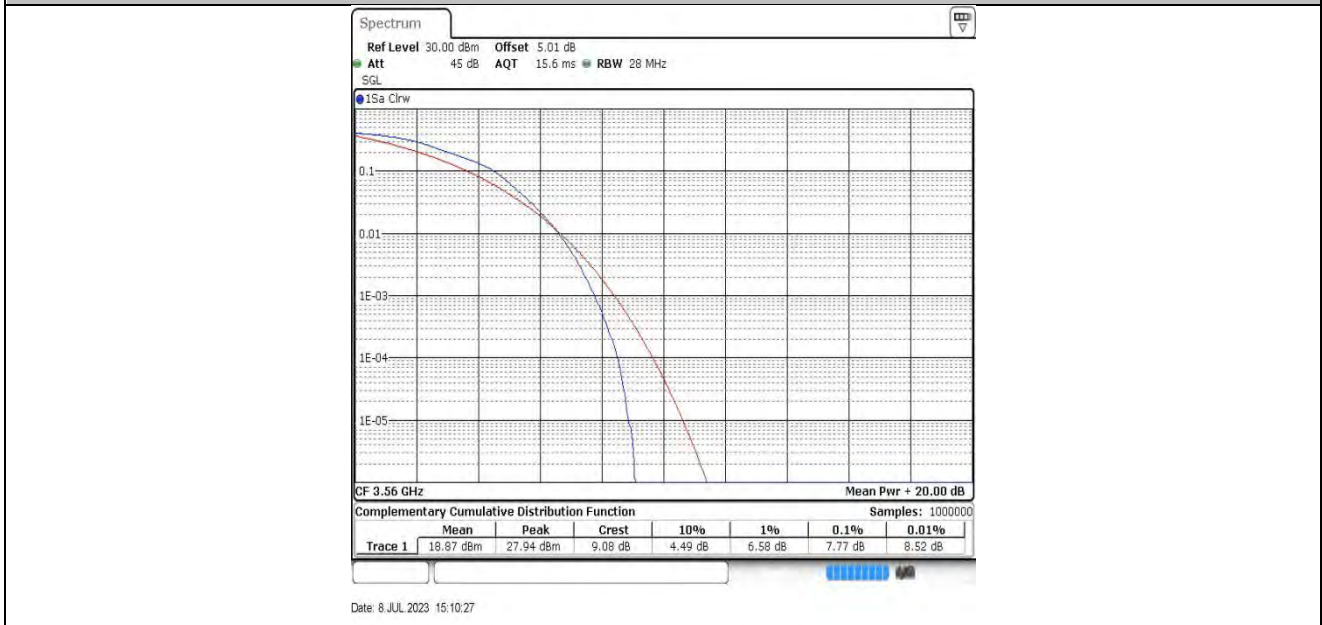
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20MHz-56640 QPSK



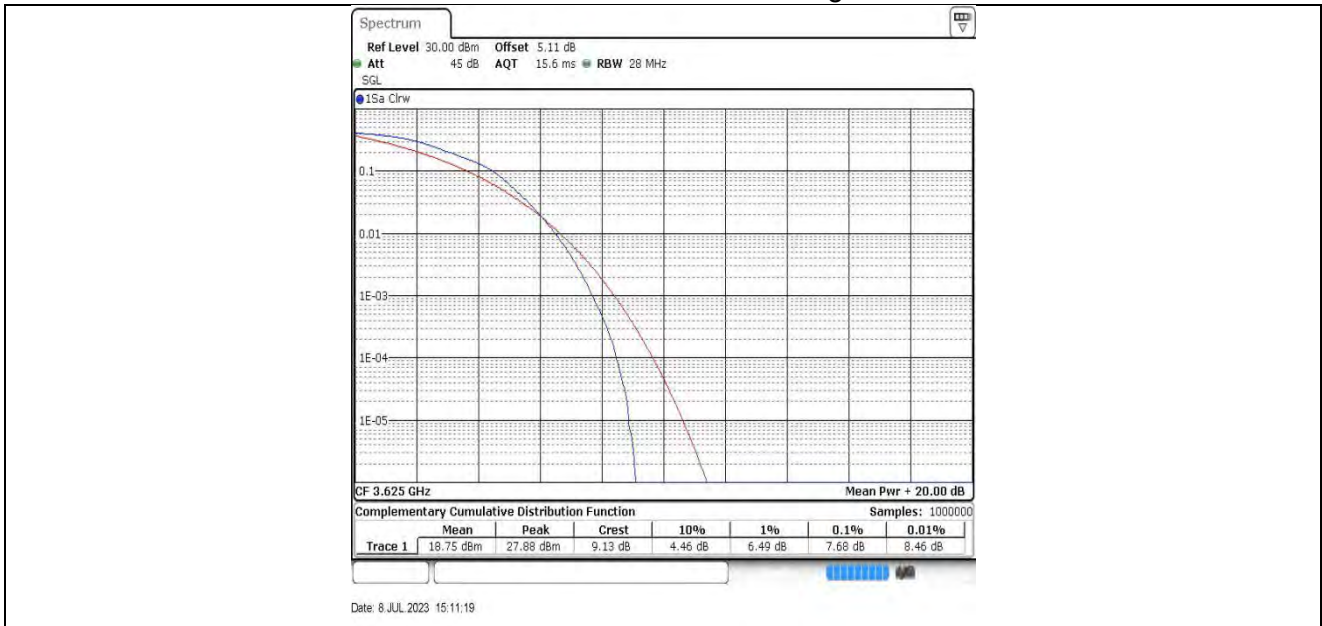
20MHz-55340 16QAM



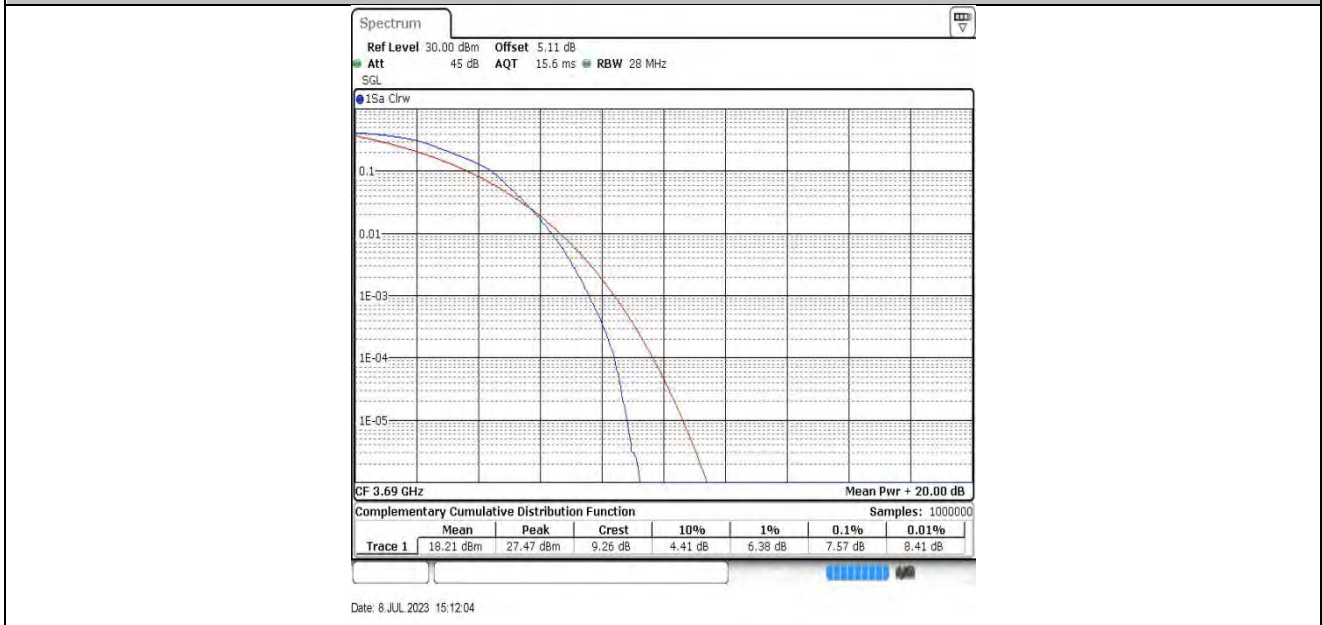
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20MHz-55990 16QAM



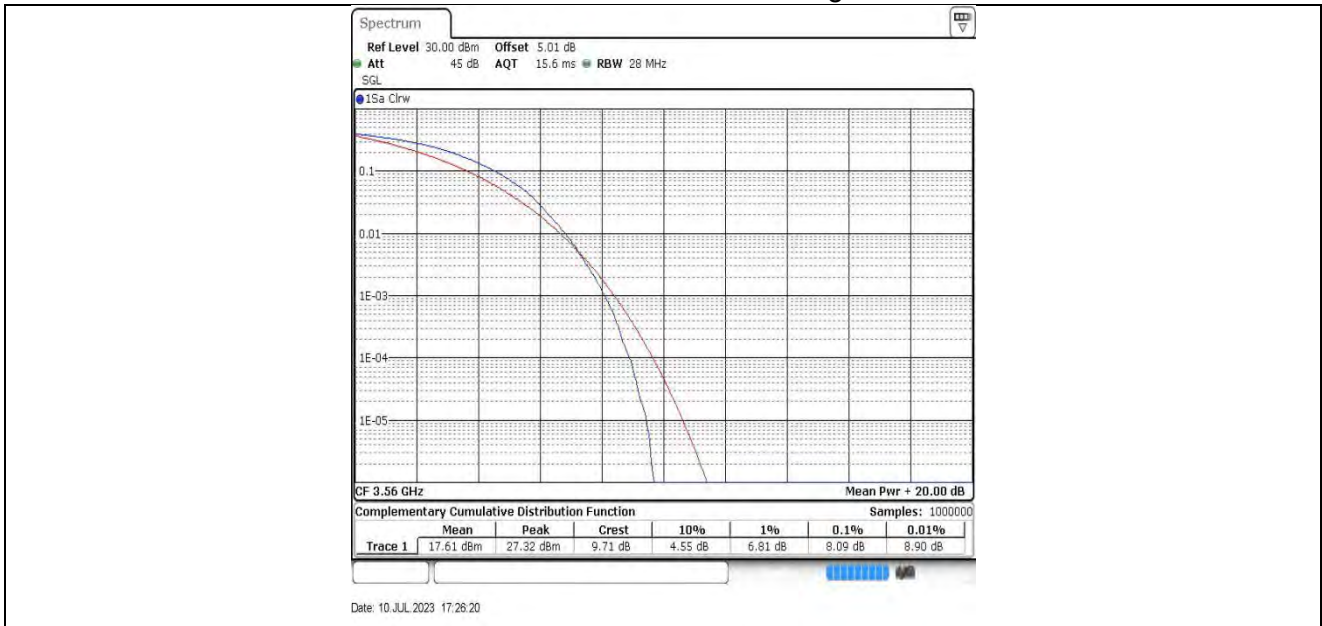
20MHz-56640 16QAM



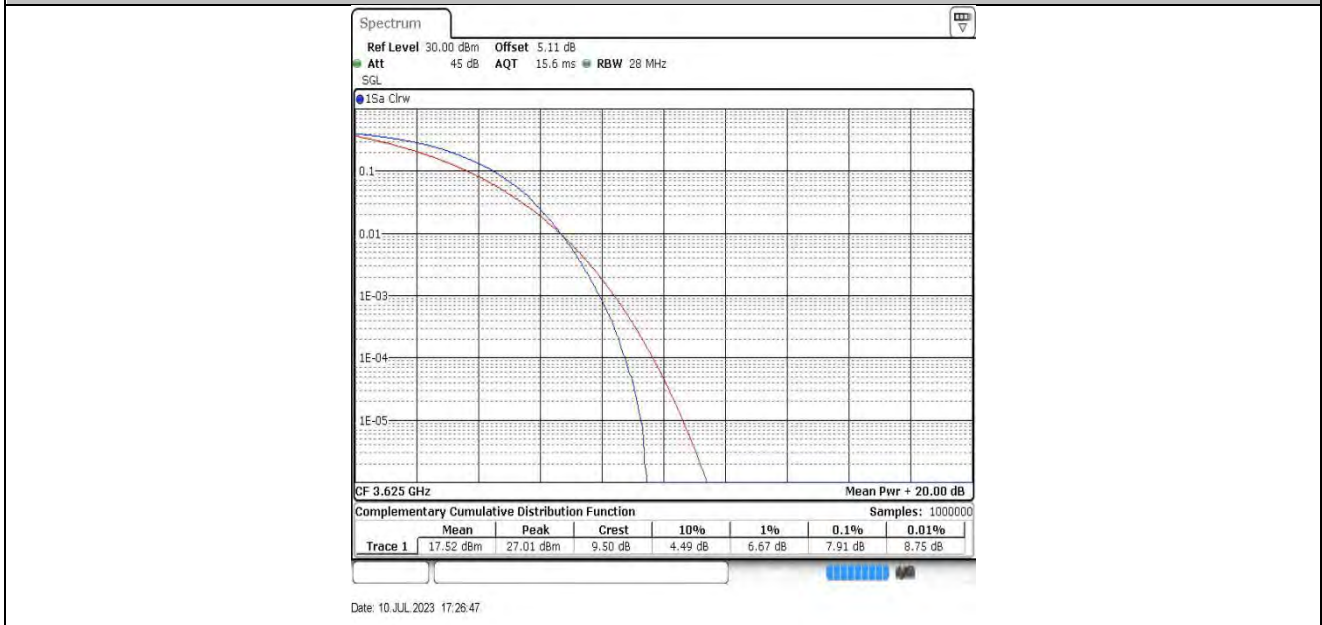
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20MHz-55340 64QAM



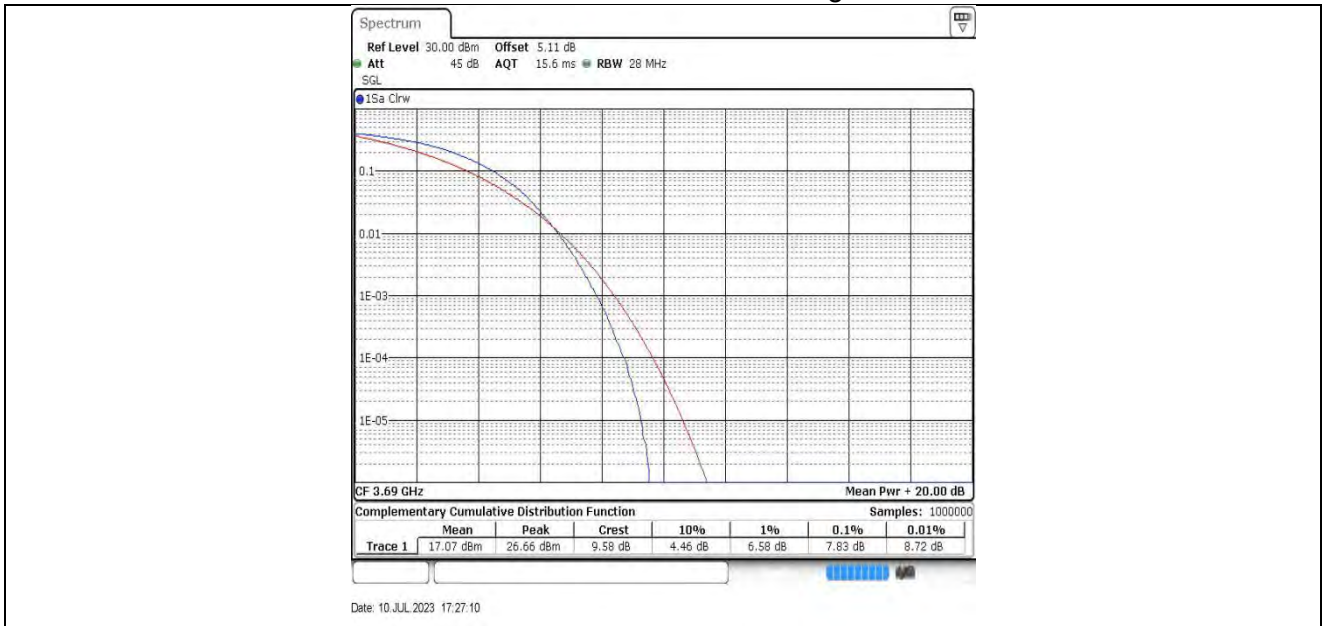
20MHz-55990 64QAM



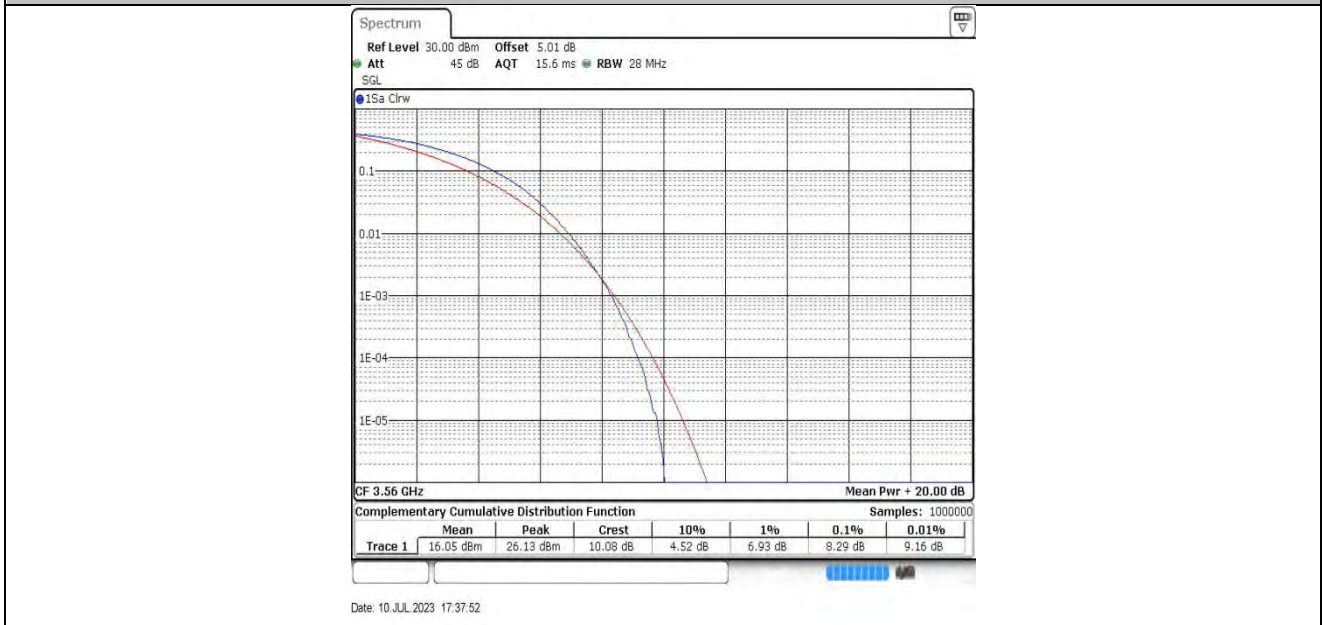
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20MHz-56640 64QAM



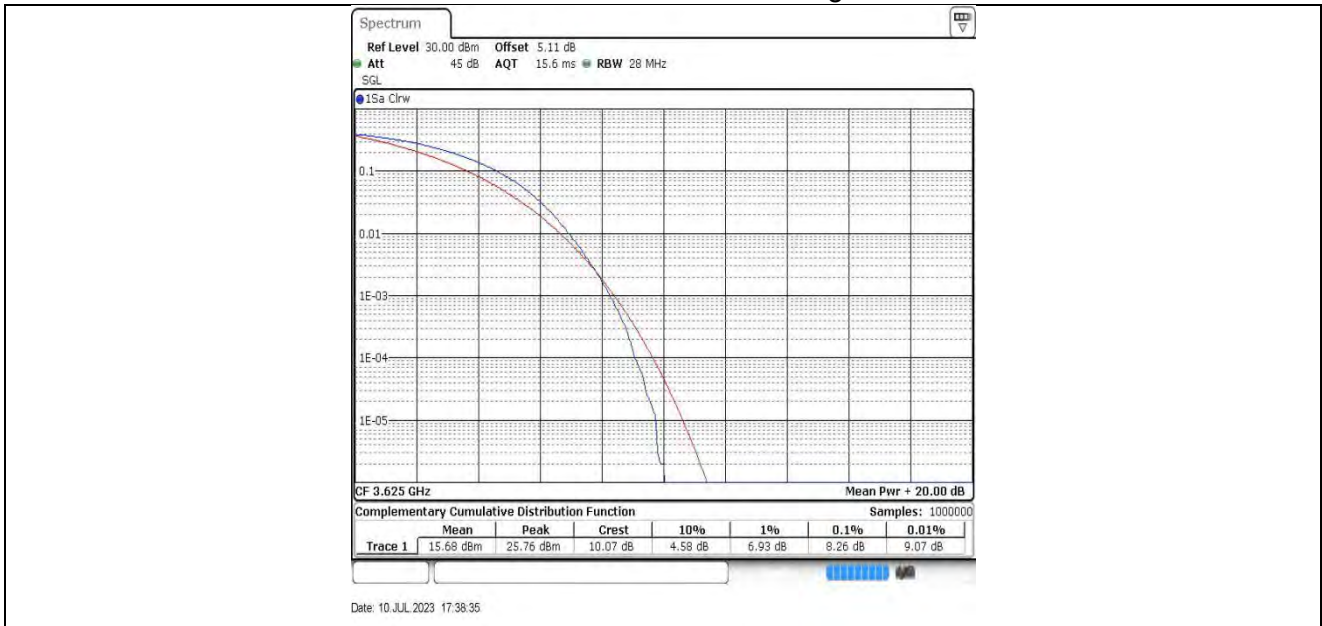
20MHz-55340 256QAM



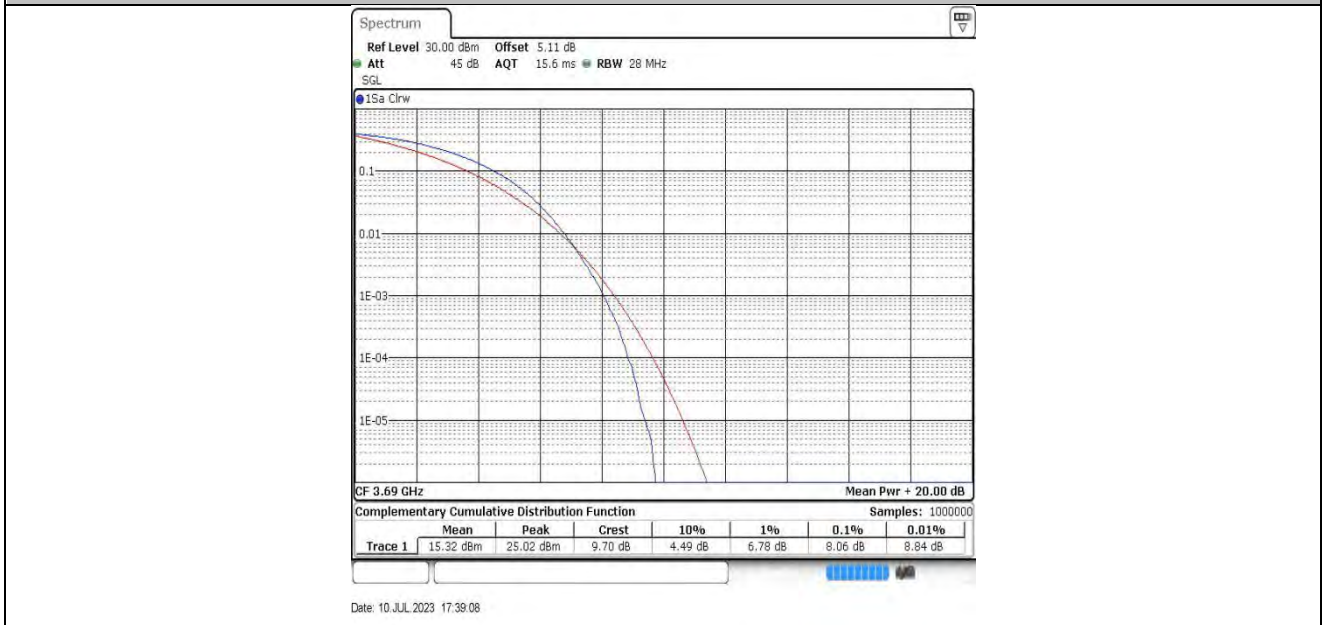
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20MHz-55990 256QAM



20MHz-56640 256QAM



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band48	5MHz	QPSK	55265	25RB#0	4.496	4.99	PASS
Band48	5MHz	QPSK	55990	25RB#0	4.496	4.99	PASS
Band48	5MHz	QPSK	56715	25RB#0	4.496	4.98	PASS
Band48	5MHz	16QAM	55265	25RB#0	4.505	5.23	PASS
Band48	5MHz	16QAM	55990	25RB#0	4.505	5.26	PASS
Band48	5MHz	16QAM	56715	25RB#0	4.496	5.32	PASS
Band48	5MHz	64QAM	55265	25RB#0	4.496	4.95	PASS
Band48	5MHz	64QAM	55990	25RB#0	4.496	4.95	PASS
Band48	5MHz	64QAM	56715	25RB#0	4.496	4.96	PASS
Band48	5MHz	256QAM	55265	25RB#0	4.505	5.20	PASS
Band48	5MHz	256QAM	55990	25RB#0	4.486	5.21	PASS
Band48	5MHz	256QAM	56715	25RB#0	4.476	4.97	PASS
Band48	10MHz	QPSK	55290	50RB#0	9.018	10.03	PASS
Band48	10MHz	QPSK	55990	50RB#0	9.018	10.07	PASS
Band48	10MHz	QPSK	56690	50RB#0	9.018	10.07	PASS
Band48	10MHz	16QAM	55290	50RB#0	8.985	9.87	PASS
Band48	10MHz	16QAM	55990	50RB#0	8.985	9.87	PASS
Band48	10MHz	16QAM	56690	50RB#0	8.985	9.93	PASS
Band48	10MHz	64QAM	55290	50RB#0	8.985	10.33	PASS
Band48	10MHz	64QAM	55990	50RB#0	8.985	10.33	PASS
Band48	10MHz	64QAM	56690	50RB#0	9.018	10.50	PASS
Band48	10MHz	256QAM	55290	50RB#0	8.985	9.93	PASS
Band48	10MHz	256QAM	55990	50RB#0	8.985	9.97	PASS
Band48	10MHz	256QAM	56690	50RB#0	8.985	9.97	PASS
Band48	15MHz	QPSK	55315	75RB#0	13.577	16.95	PASS
Band48	15MHz	QPSK	55990	75RB#0	13.577	17.20	PASS
Band48	15MHz	QPSK	56665	75RB#0	13.577	17.15	PASS
Band48	15MHz	16QAM	55315	75RB#0	13.478	14.95	PASS
Band48	15MHz	16QAM	55990	75RB#0	13.478	14.90	PASS
Band48	15MHz	16QAM	56665	75RB#0	13.527	14.85	PASS



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Band48	15MHz	64QAM	55315	75RB#0	13.478	15.25	PASS
Band48	15MHz	64QAM	55990	75RB#0	13.478	15.35	PASS
Band48	15MHz	64QAM	56665	75RB#0	13.478	15.45	PASS
Band48	15MHz	256QAM	55315	75RB#0	13.527	15.70	PASS
Band48	15MHz	256QAM	55990	75RB#0	13.527	14.80	PASS
Band48	15MHz	256QAM	56665	75RB#0	13.478	15.65	PASS
Band48	20MHz	QPSK	55340	100RB#0	18.17	21.27	PASS
Band48	20MHz	QPSK	55990	100RB#0	18.17	21.13	PASS
Band48	20MHz	QPSK	56640	100RB#0	18.17	21.13	PASS
Band48	20MHz	16QAM	55340	100RB#0	18.037	21.20	PASS
Band48	20MHz	16QAM	55990	100RB#0	18.103	21.00	PASS
Band48	20MHz	16QAM	56640	100RB#0	18.103	21.27	PASS
Band48	20MHz	64QAM	55340	100RB#0	18.037	20.40	PASS
Band48	20MHz	64QAM	55990	100RB#0	18.037	20.13	PASS
Band48	20MHz	64QAM	56640	100RB#0	18.037	20.27	PASS
Band48	20MHz	256QAM	55340	100RB#0	18.037	20.00	PASS
Band48	20MHz	256QAM	55990	100RB#0	18.037	20.07	PASS
Band48	20MHz	256QAM	56640	100RB#0	18.103	21.60	PASS



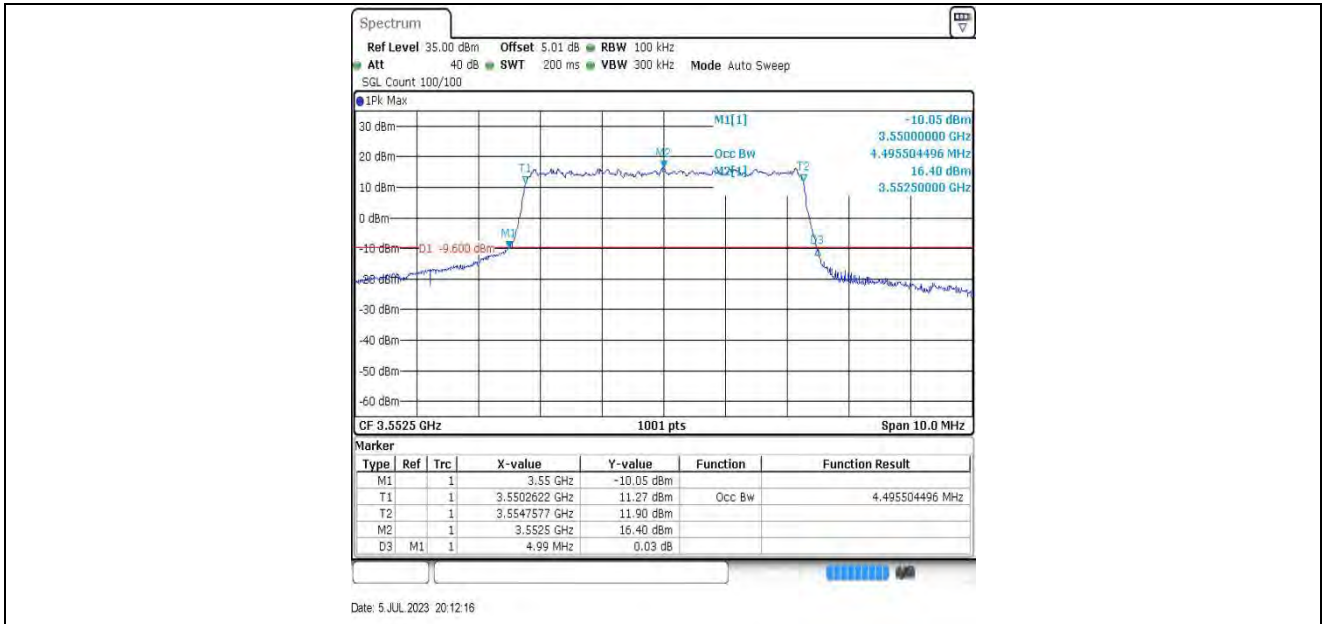
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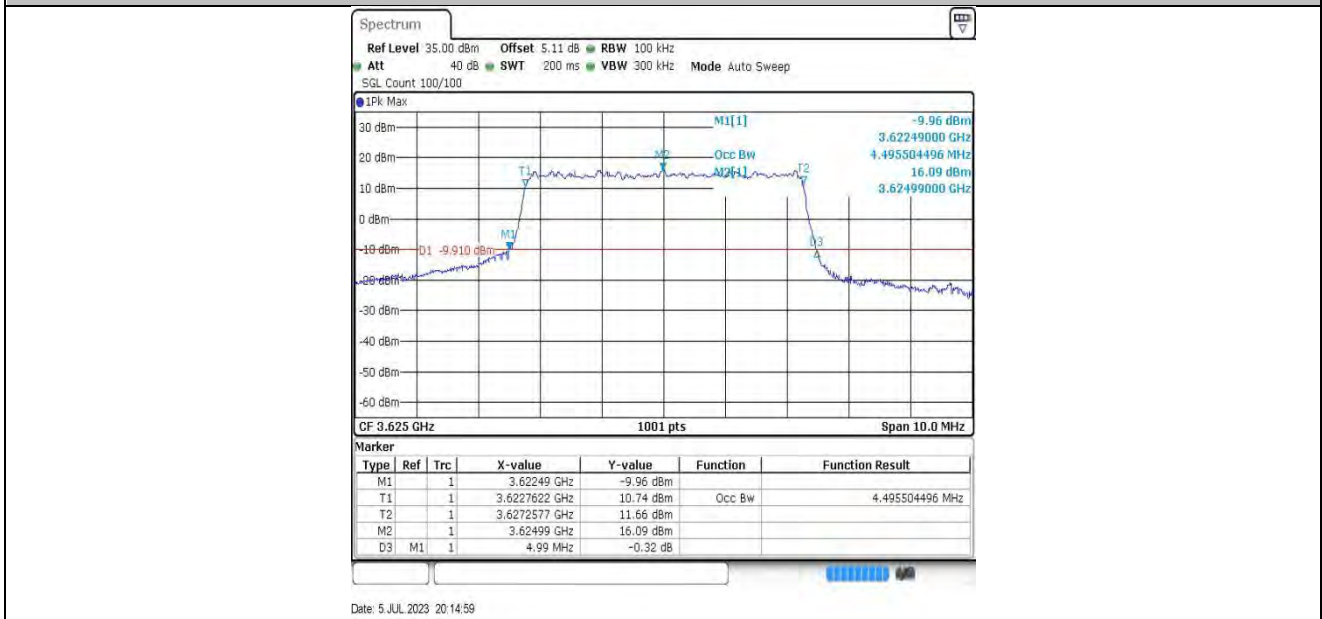
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Test Graphs



5MHz-55265 QPSK



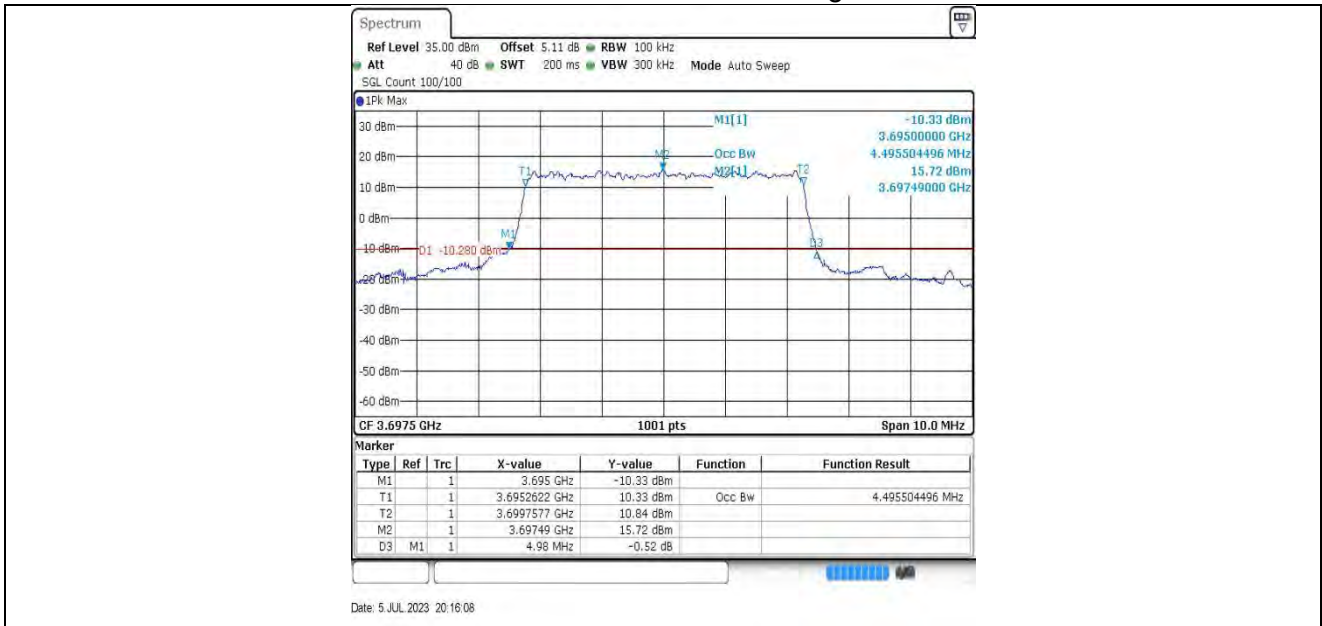
5MHz-55990 QPSK



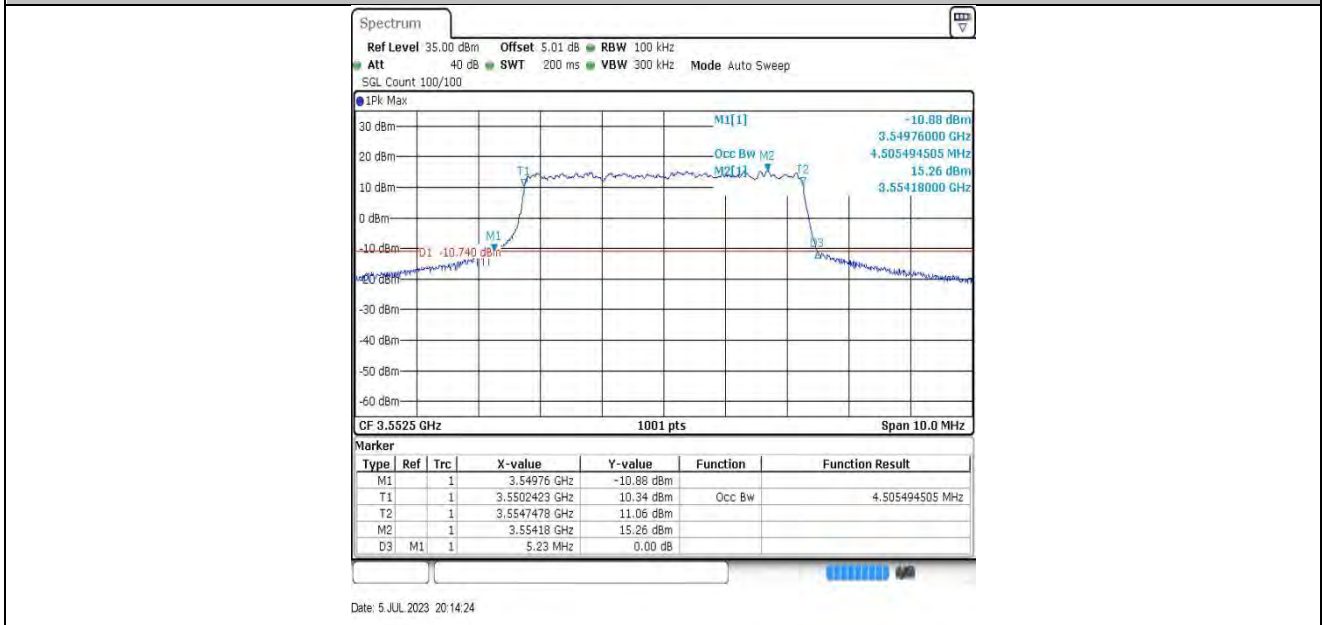
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5MHz-56715 QPSK



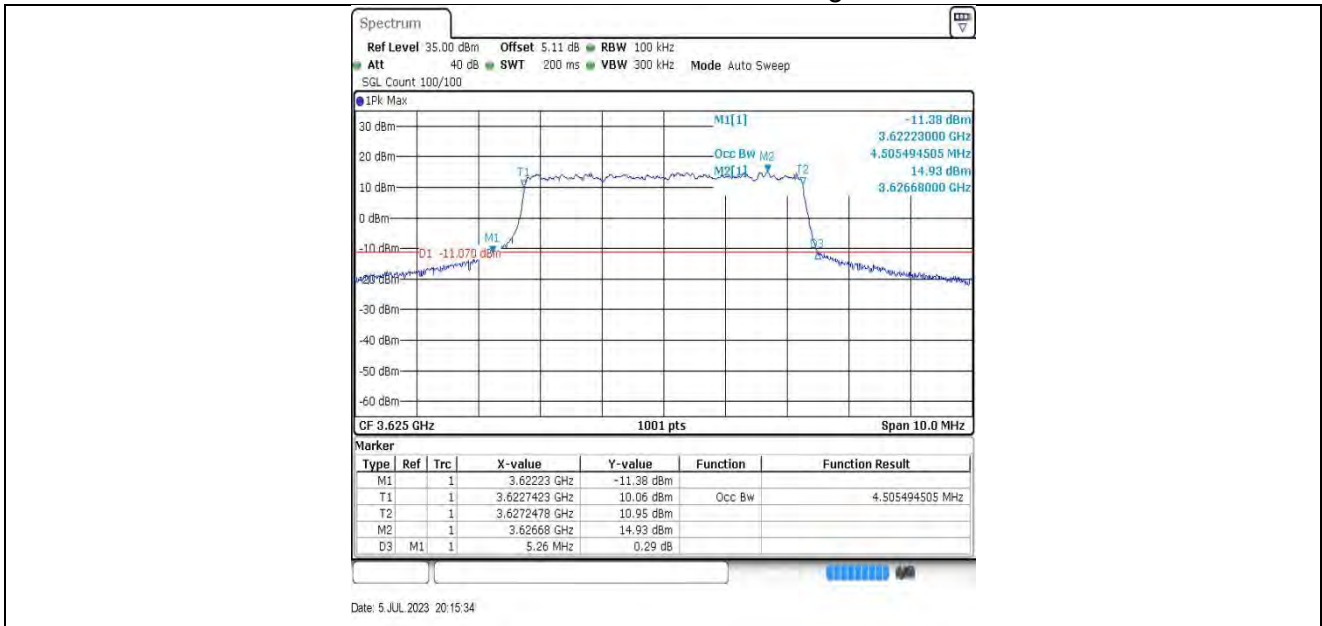
5MHz-55265 16QAM



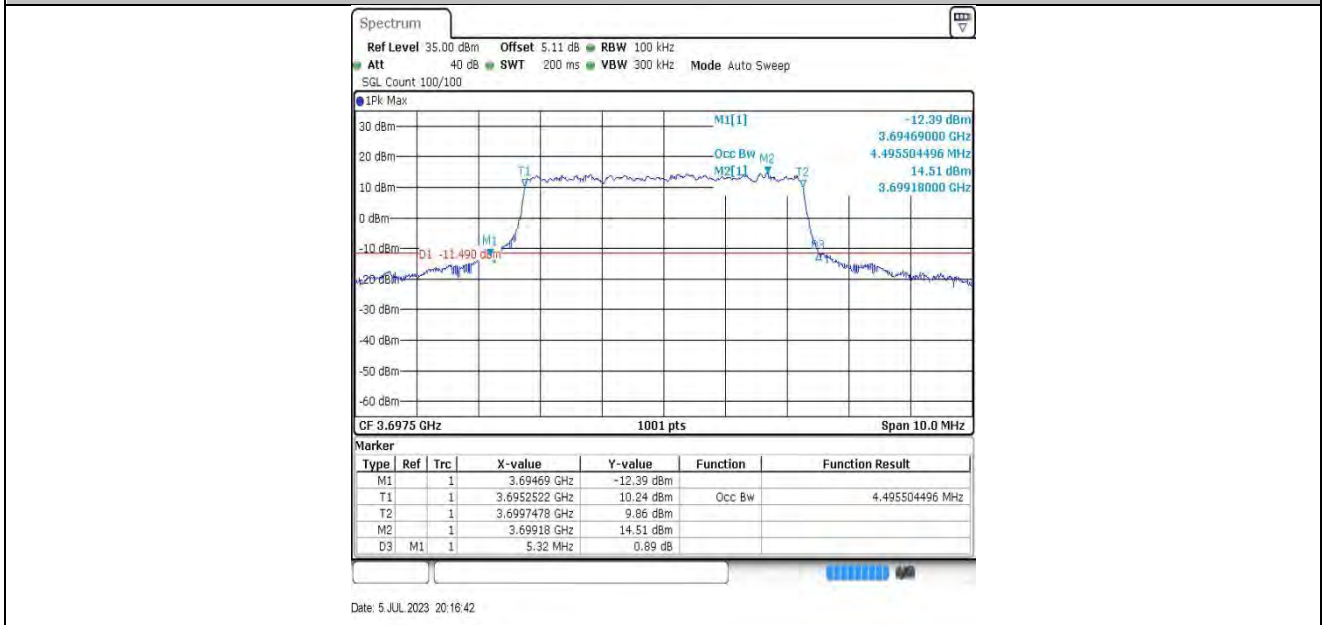
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5MHz-55990 16QAM



5MHz-56715 16QAM



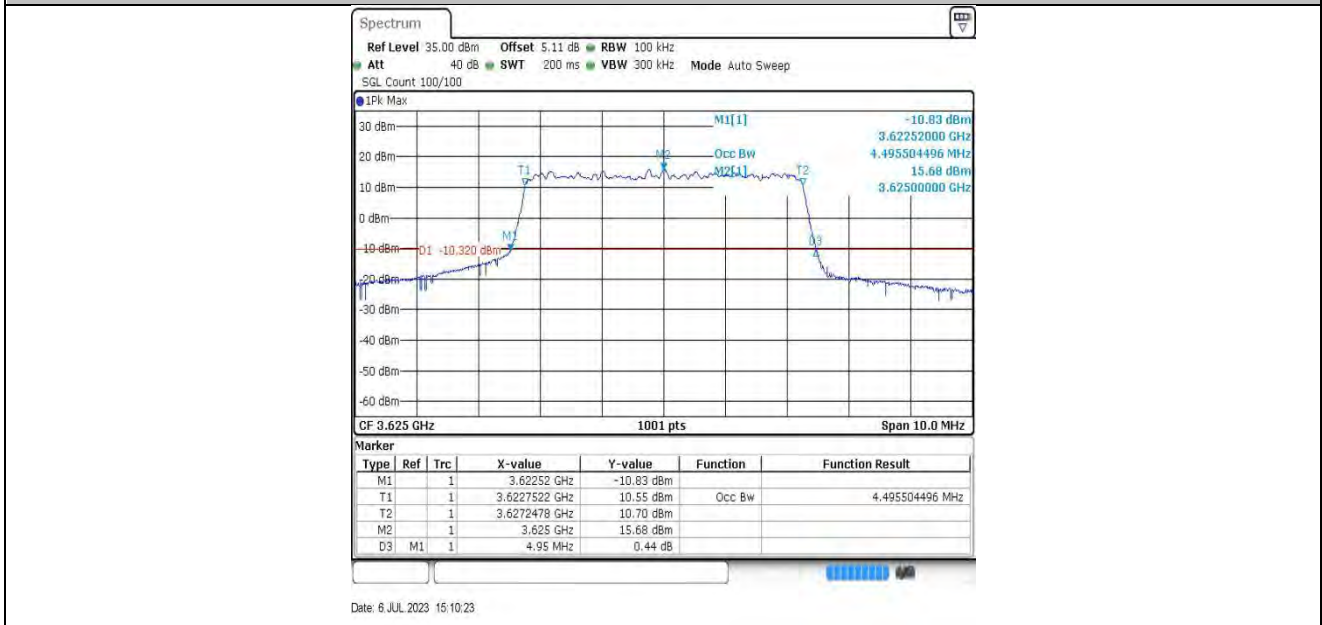
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5MHz-5265 64QAM



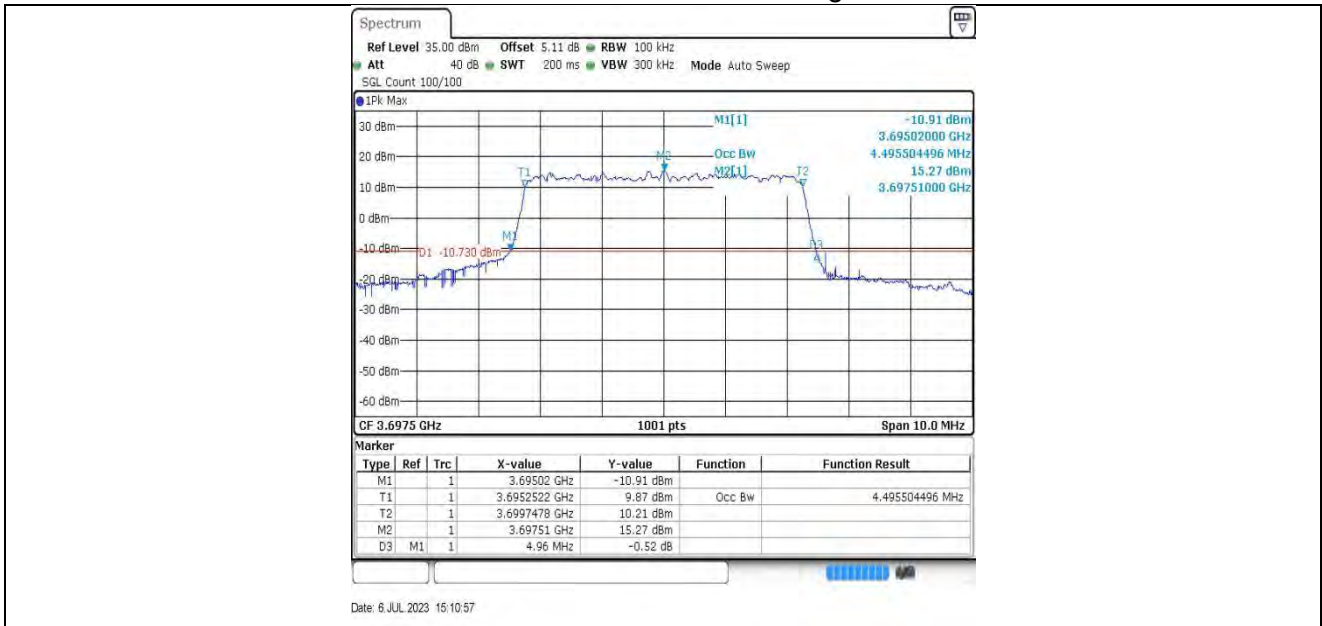
5MHz-5590 64QAM



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5MHz-56715 64QAM



5MHz-55265 256QAM



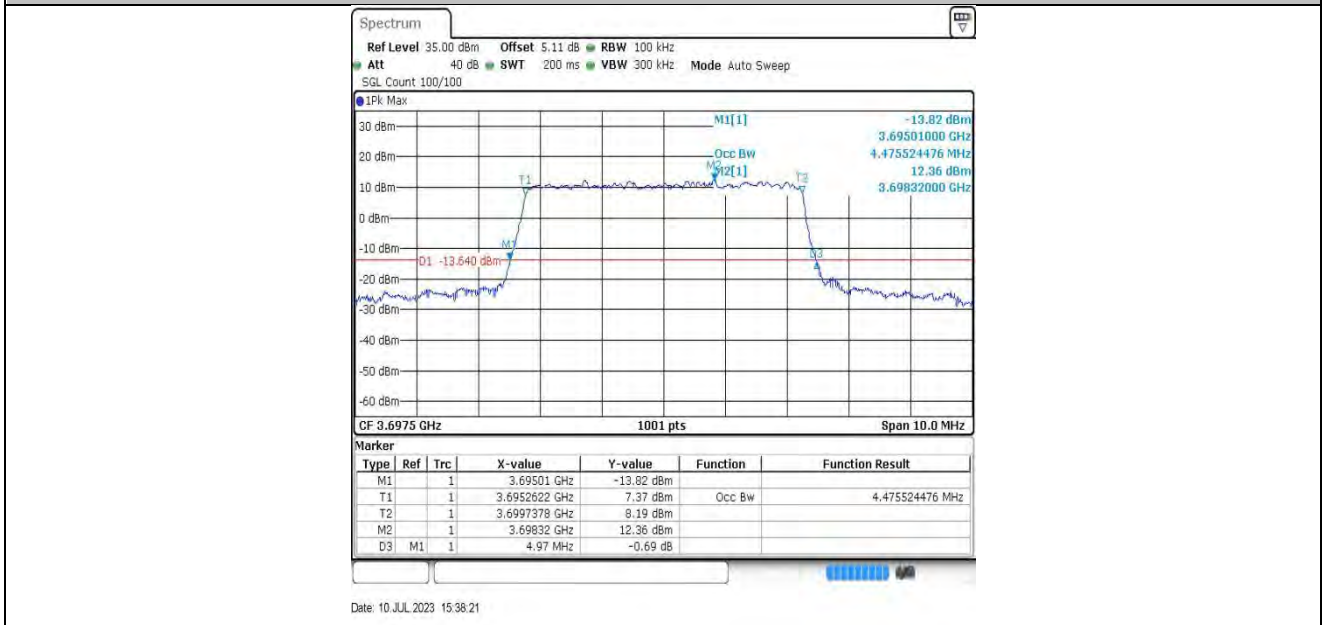
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5MHz-5590 256QAM



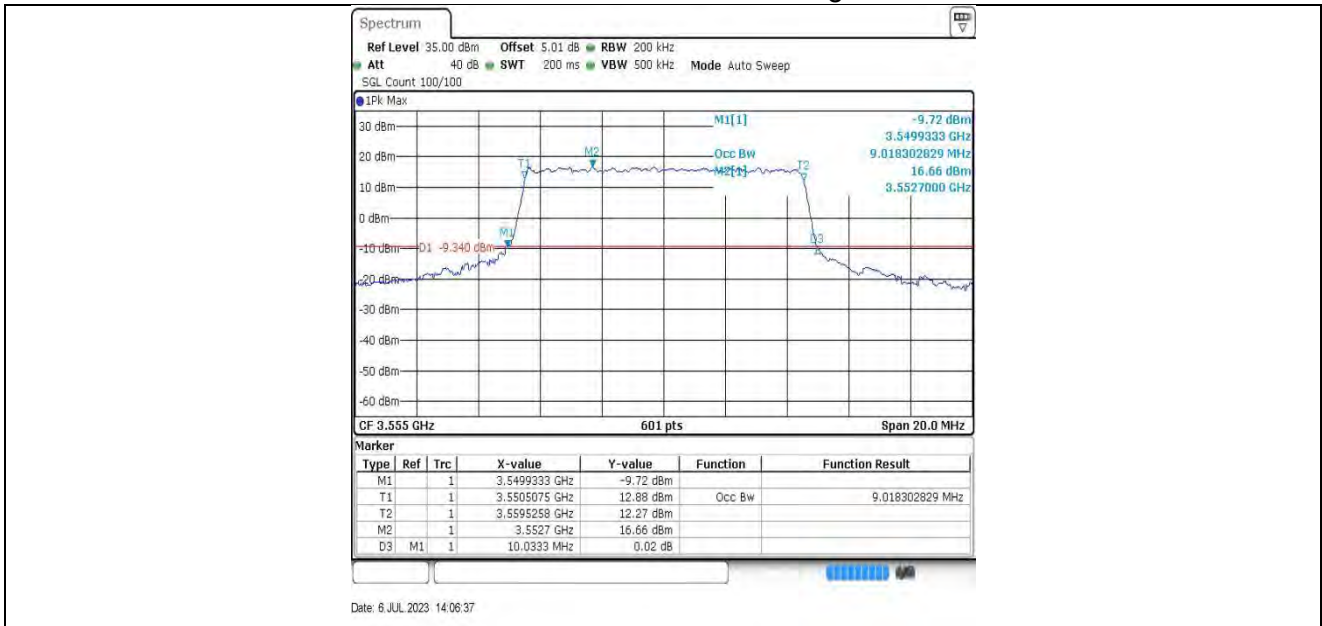
5MHz-56715 256QAM



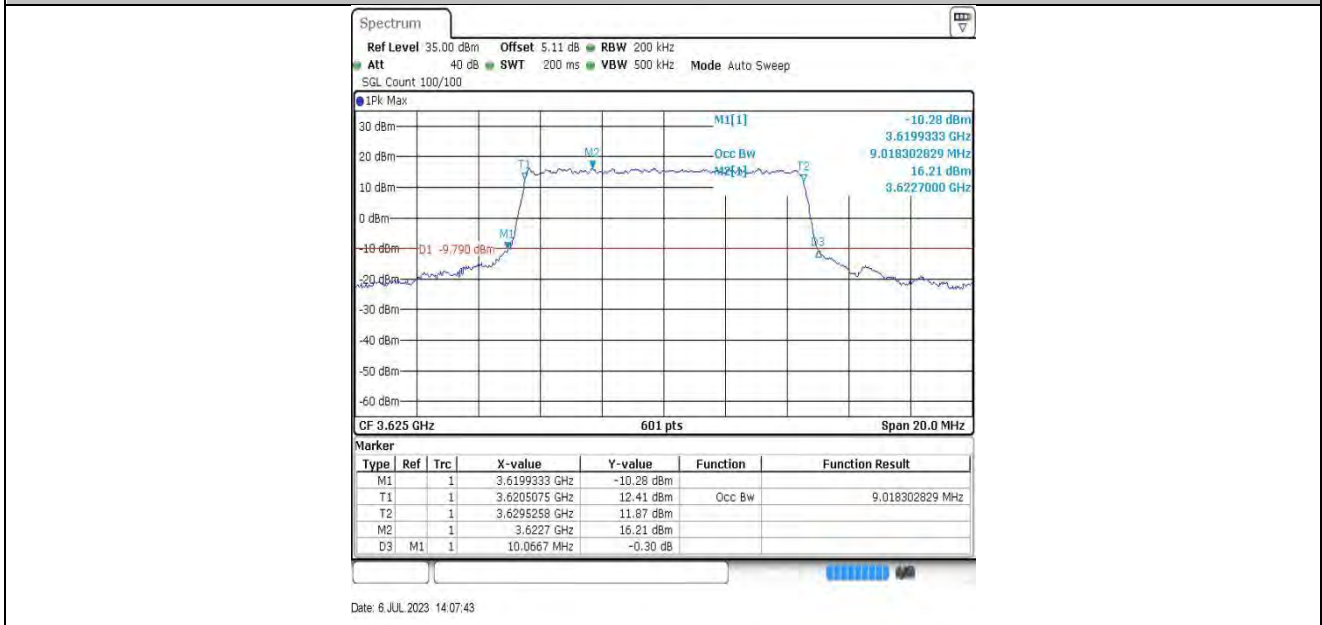
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10MHz-5290 QPSK



10MHz-5590 QPSK



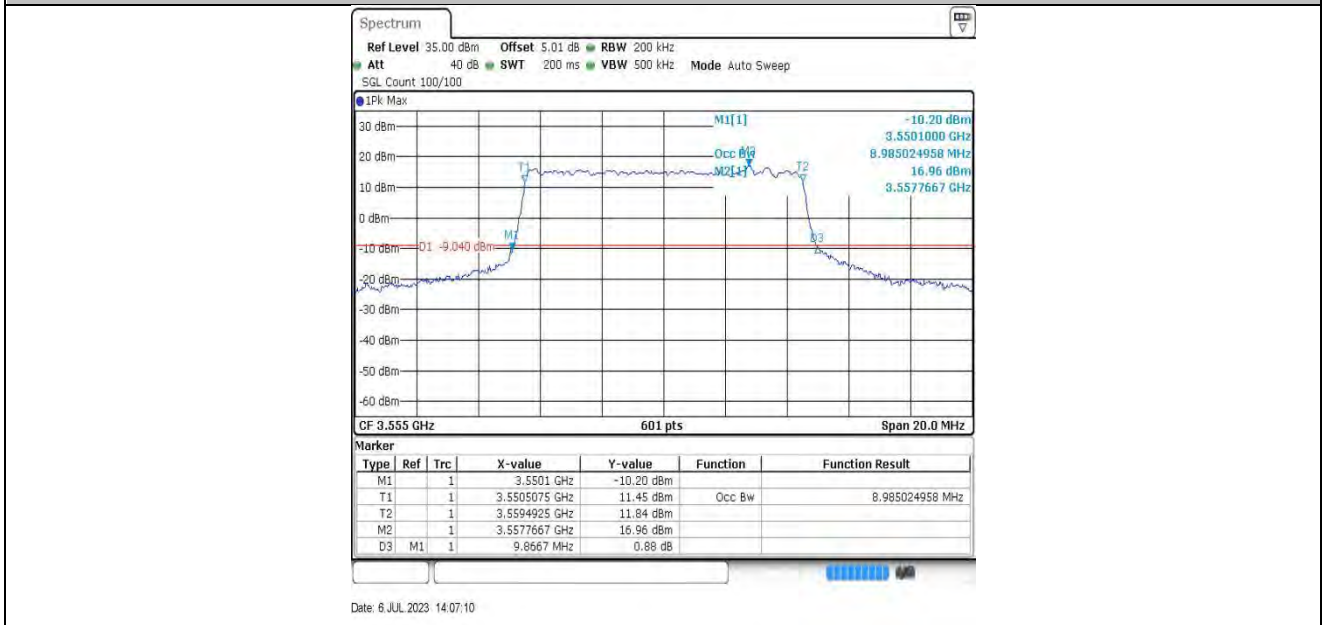
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10MHz-56690 QPSK



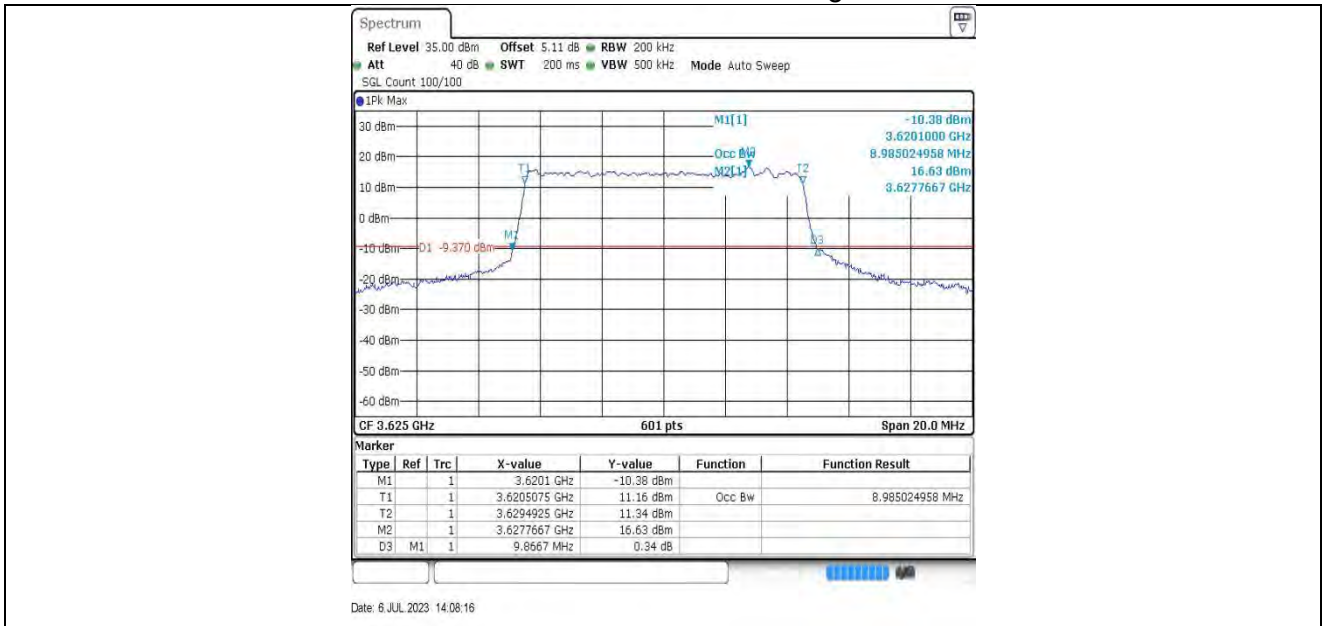
10MHz-55290 16QAM



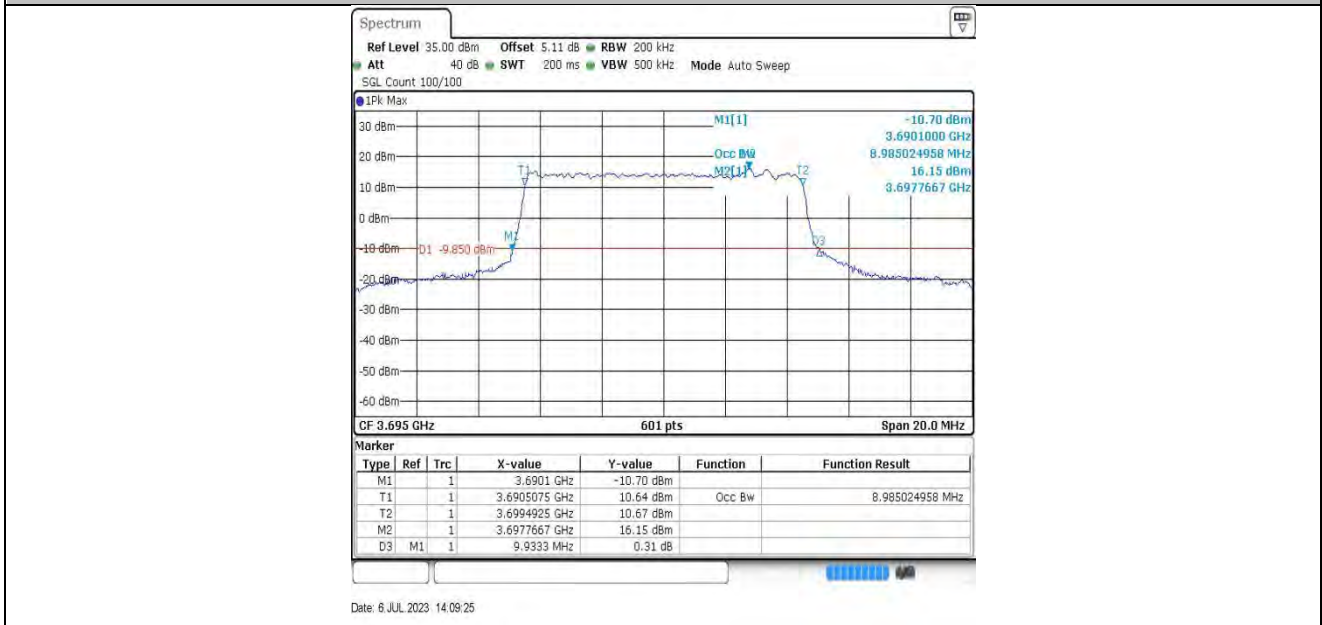
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10MHz-55990 16QAM



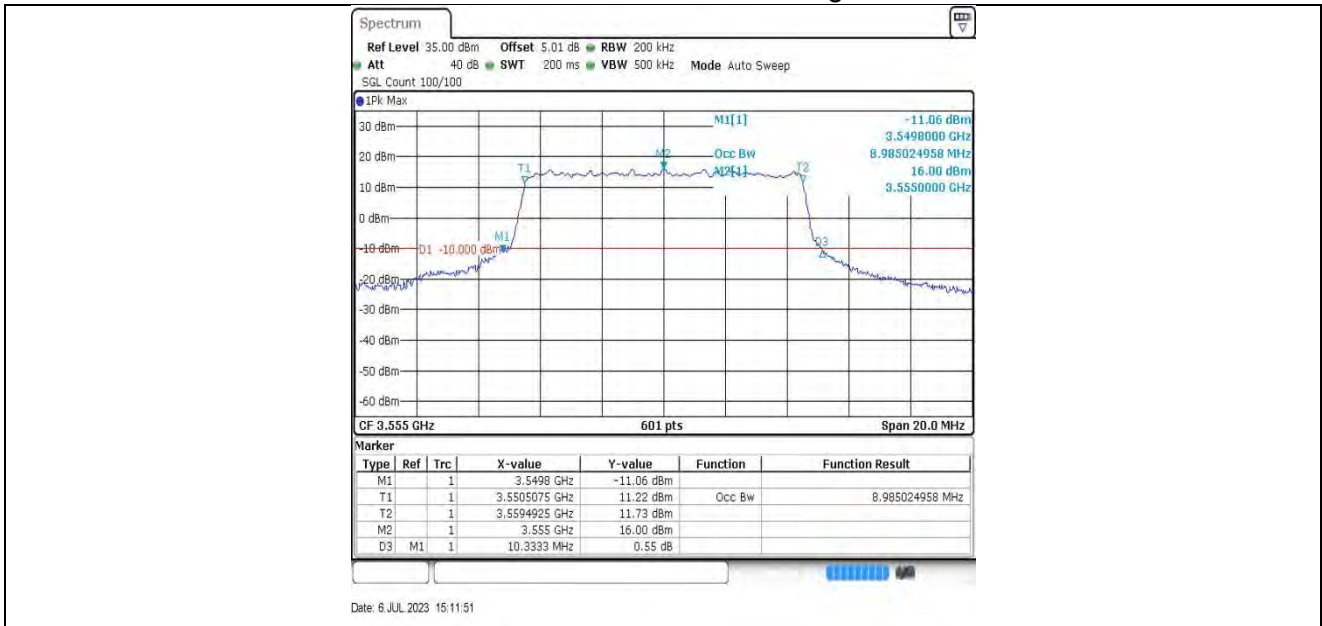
10MHz-56690 16QAM



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10MHz-55290 64QAM



10MHz-55990 64QAM



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10MHz-56690 64QAM



10MHz-55290 256QAM



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10MHz-55990 256QAM



10MHz-56690 256QAM



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15MHz-55315 QPSK



15MHz-55990 QPSK



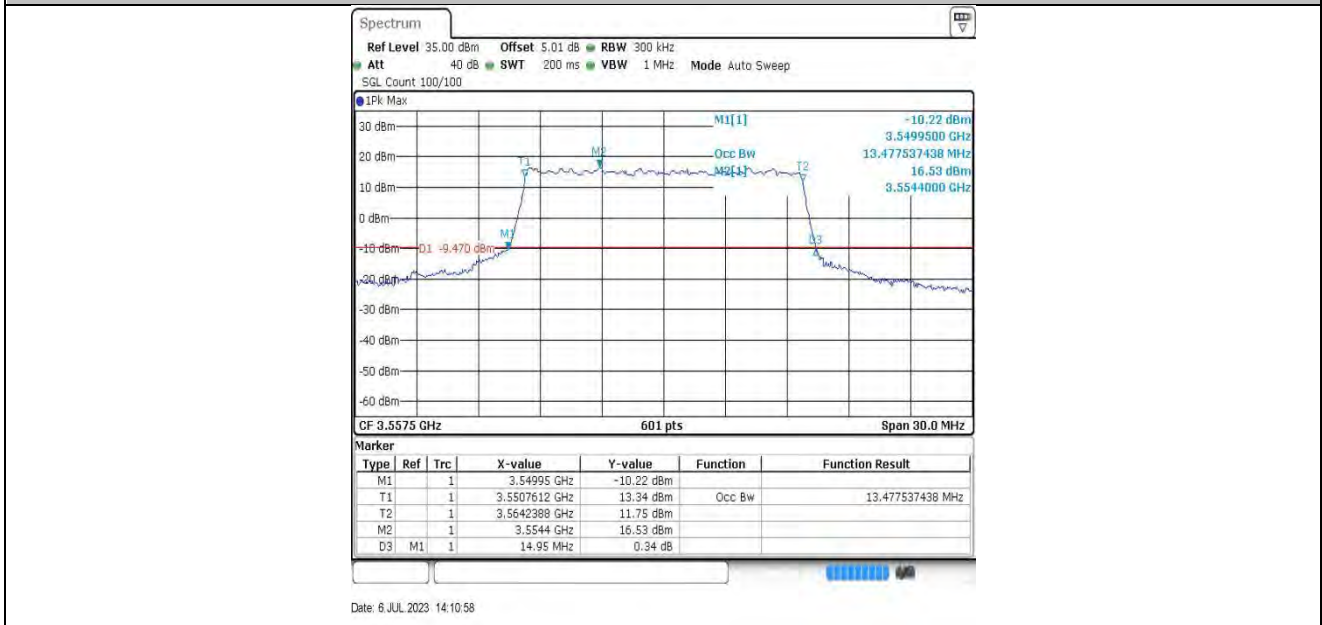
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15MHz-56665 QPSK



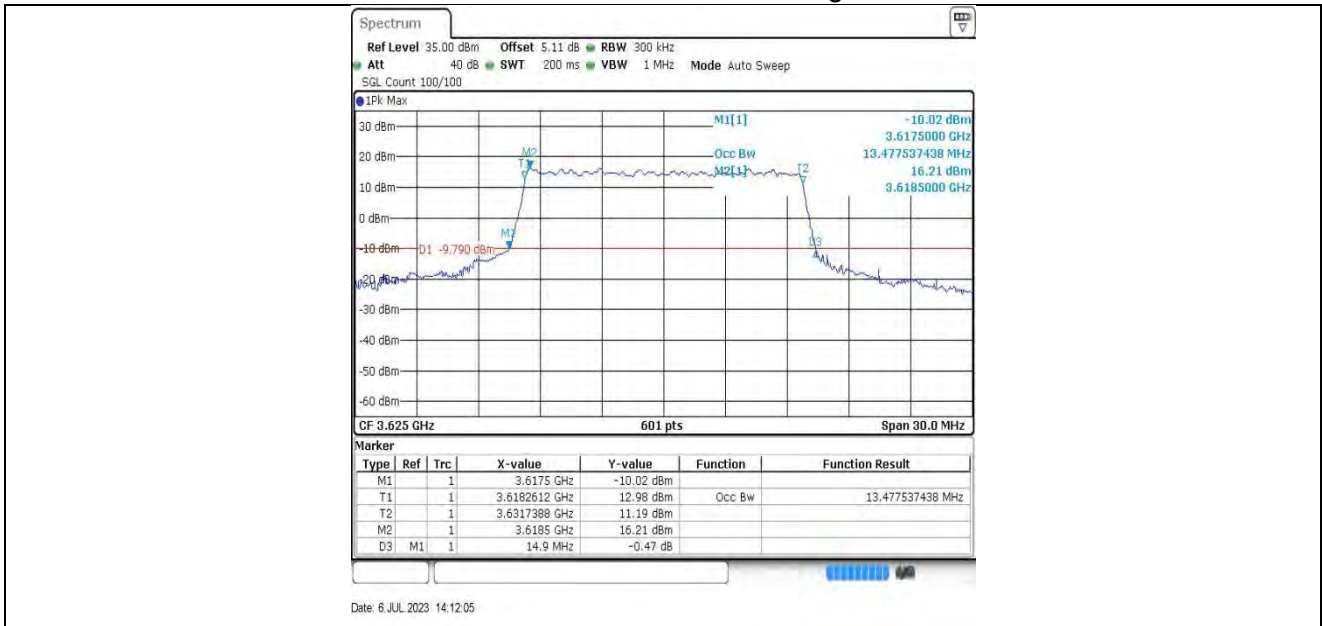
15MHz-55315 16QAM



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15MHz-55990 16QAM



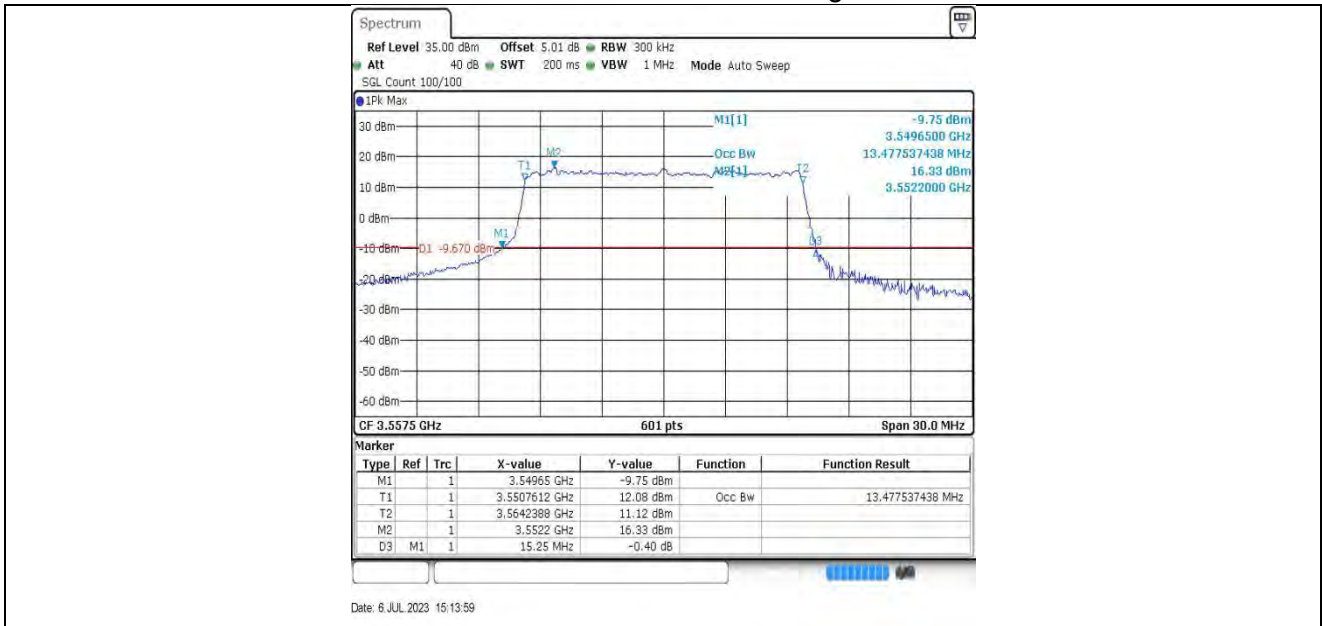
15MHz-56665 16QAM



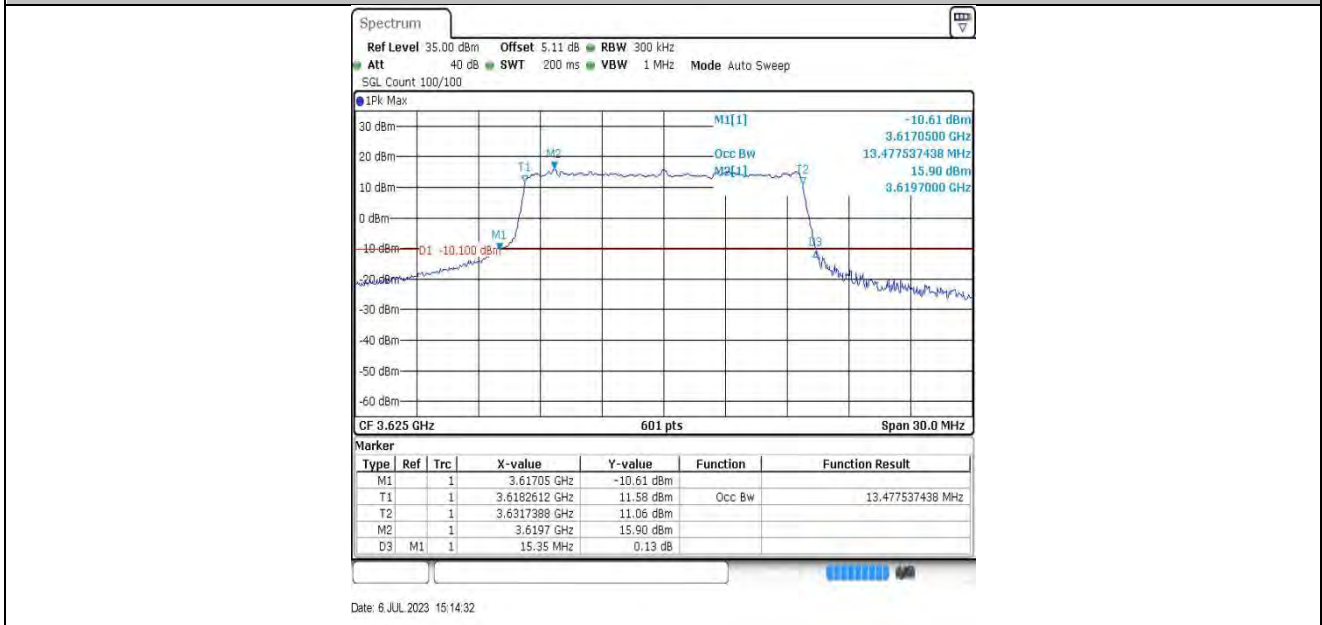
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15MHz-55315 64QAM



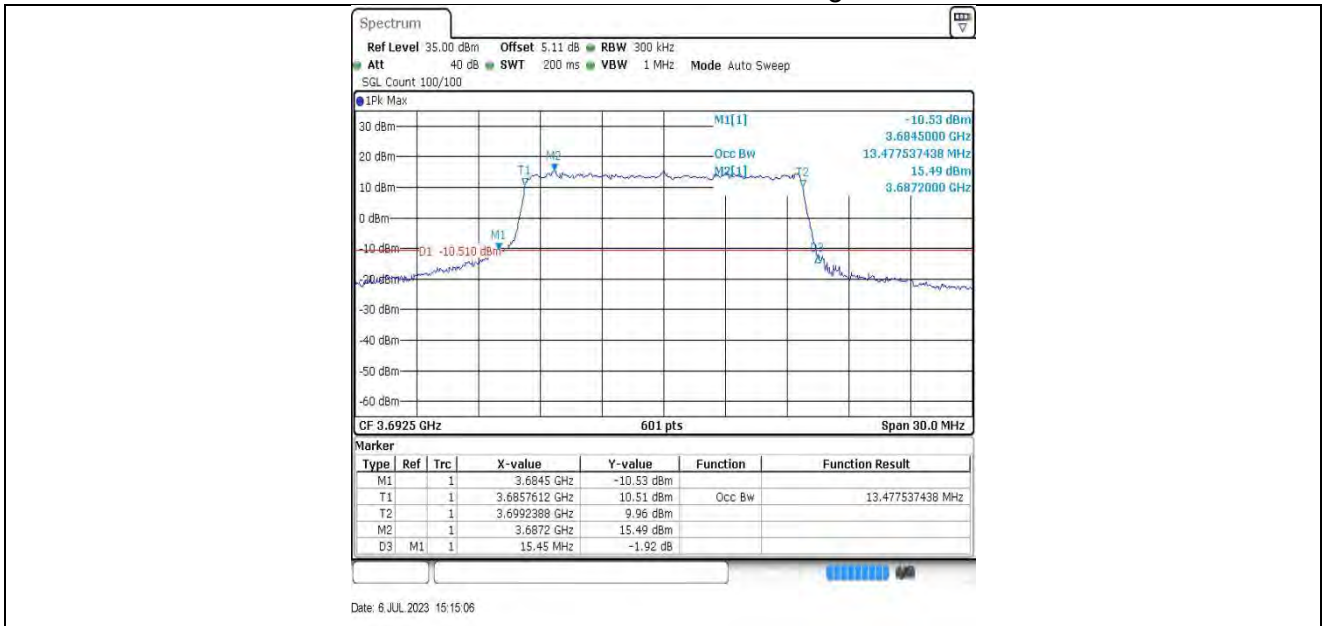
15MHz-55990 64QAM



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15MHz-56665 64QAM



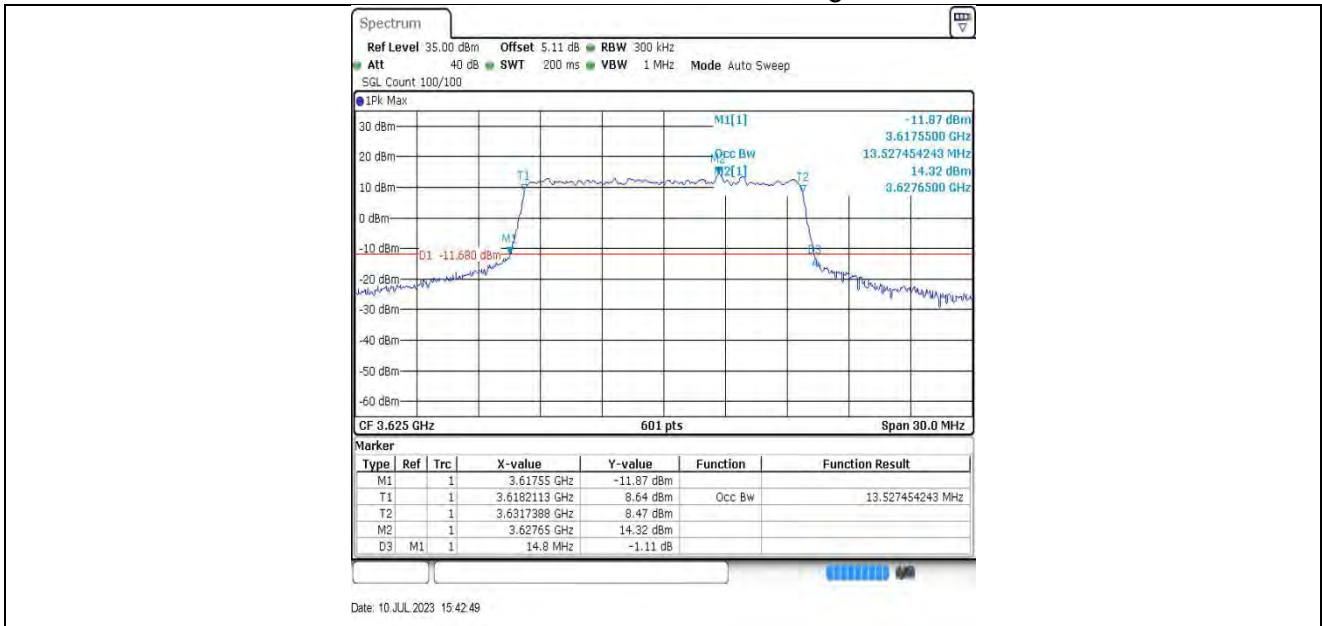
15MHz-55315 256QAM



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15MHz-55990 256QAM



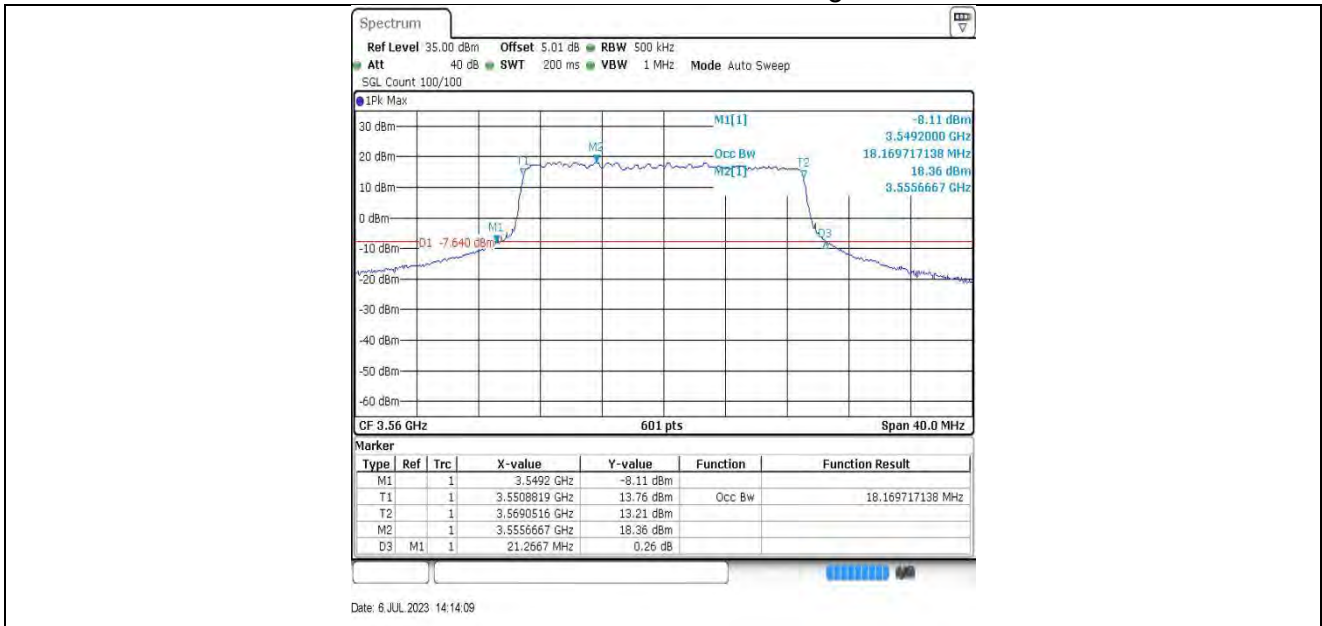
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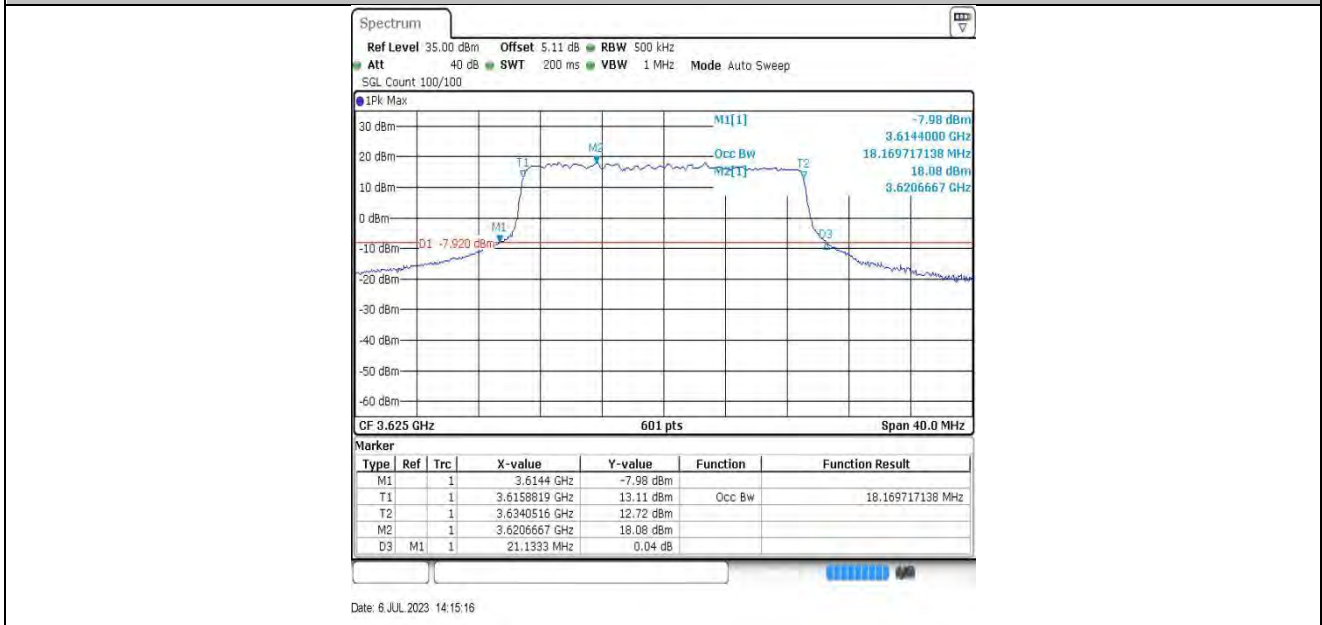
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20MHz-55340 QPSK



20MHz-55990 QPSK



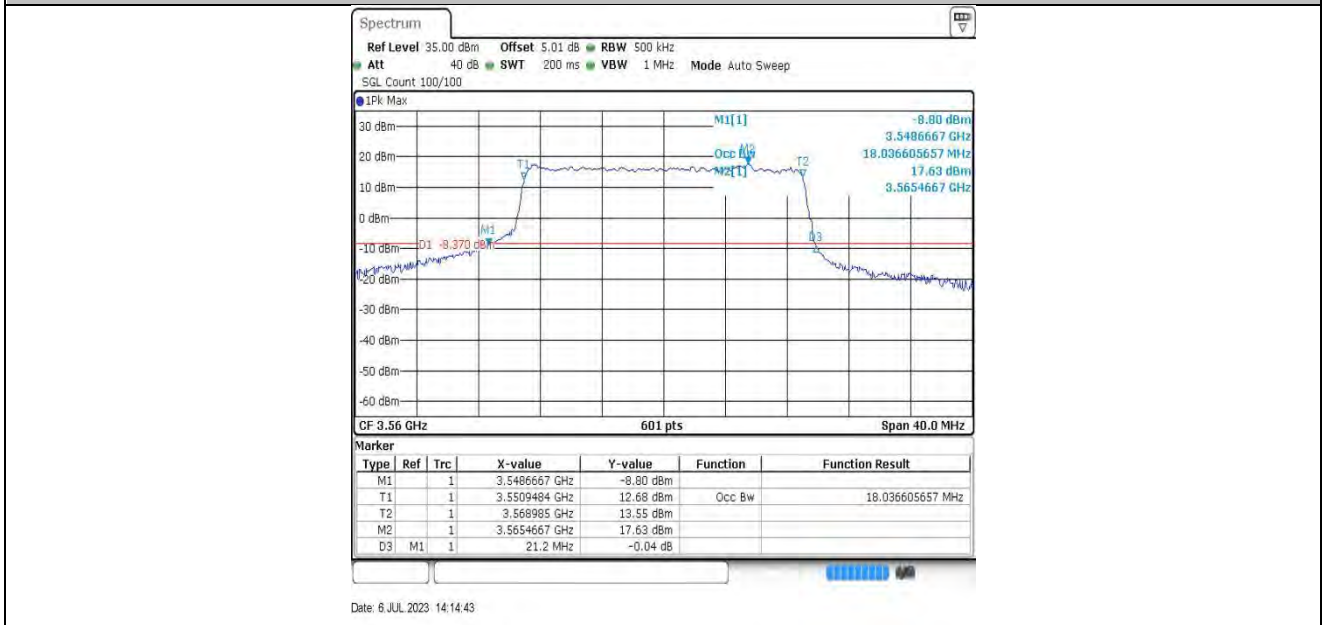
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20MHz-56640 QPSK



20MHz-55340 16QAM



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20MHz-55990 16QAM



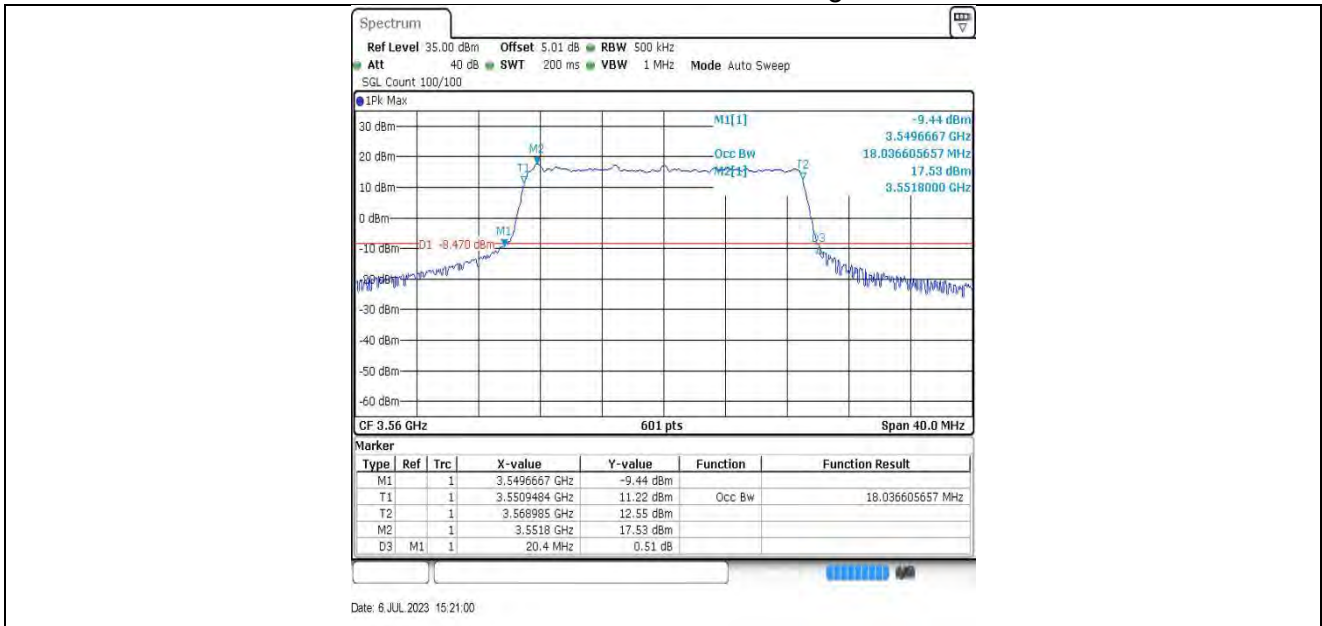
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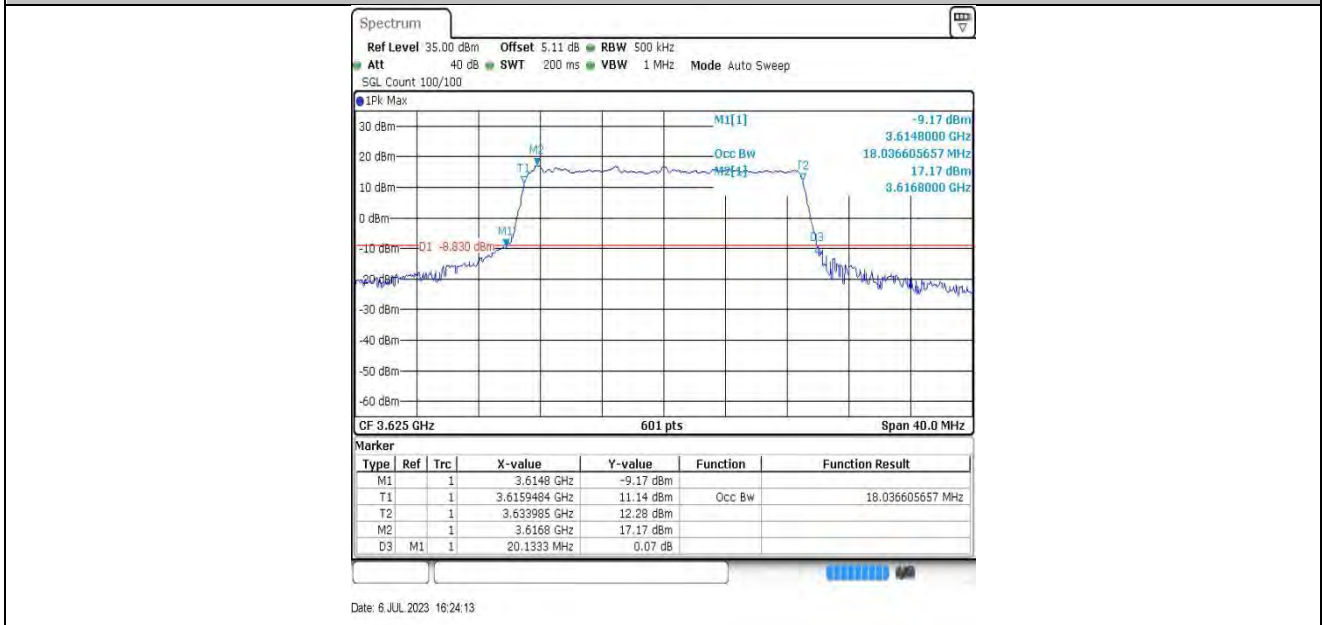
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20MHz-55340 64QAM



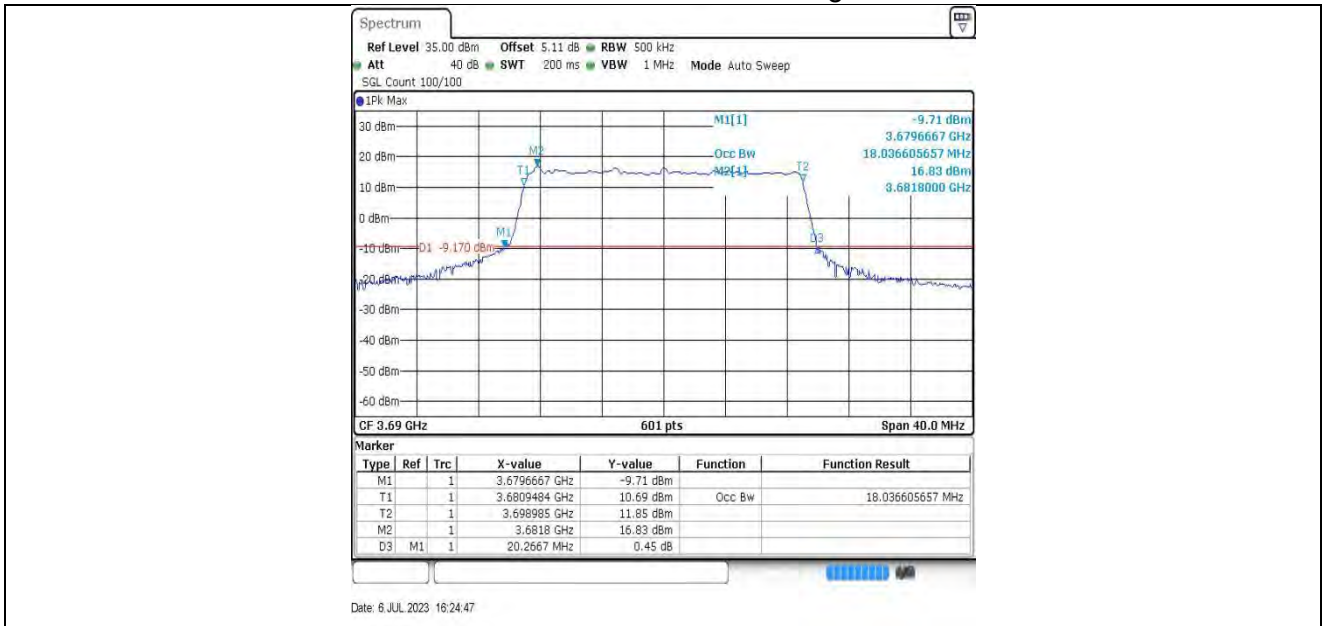
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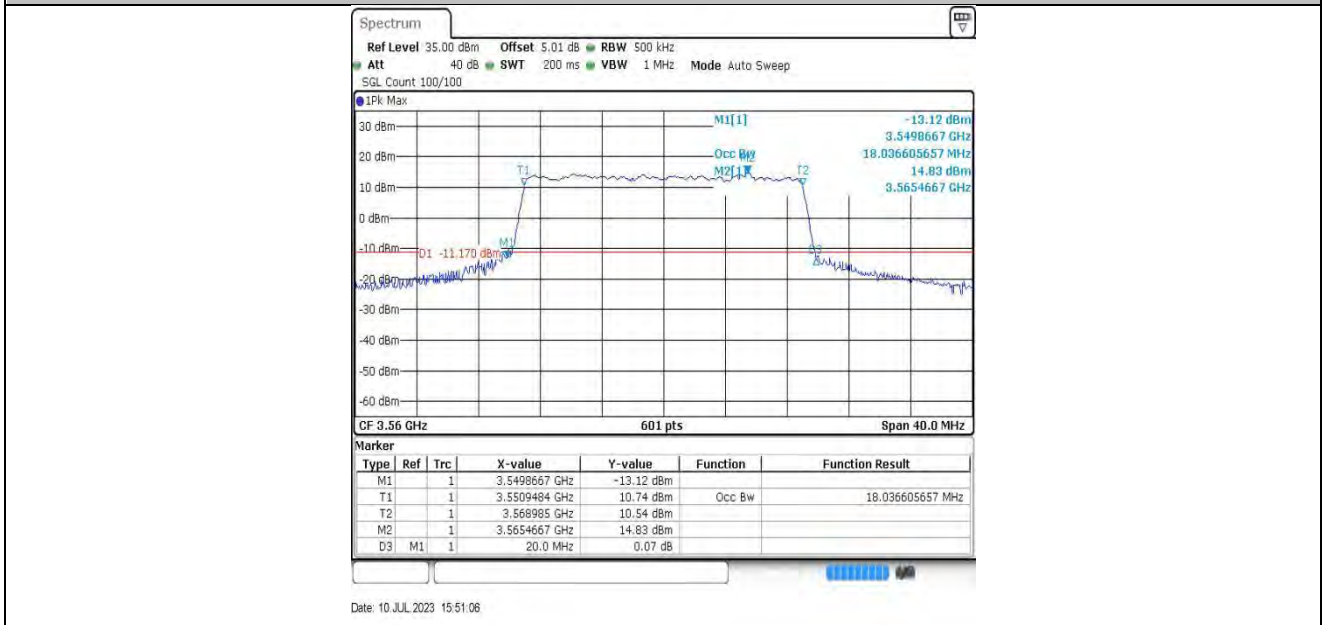
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20MHz-56640 64QAM



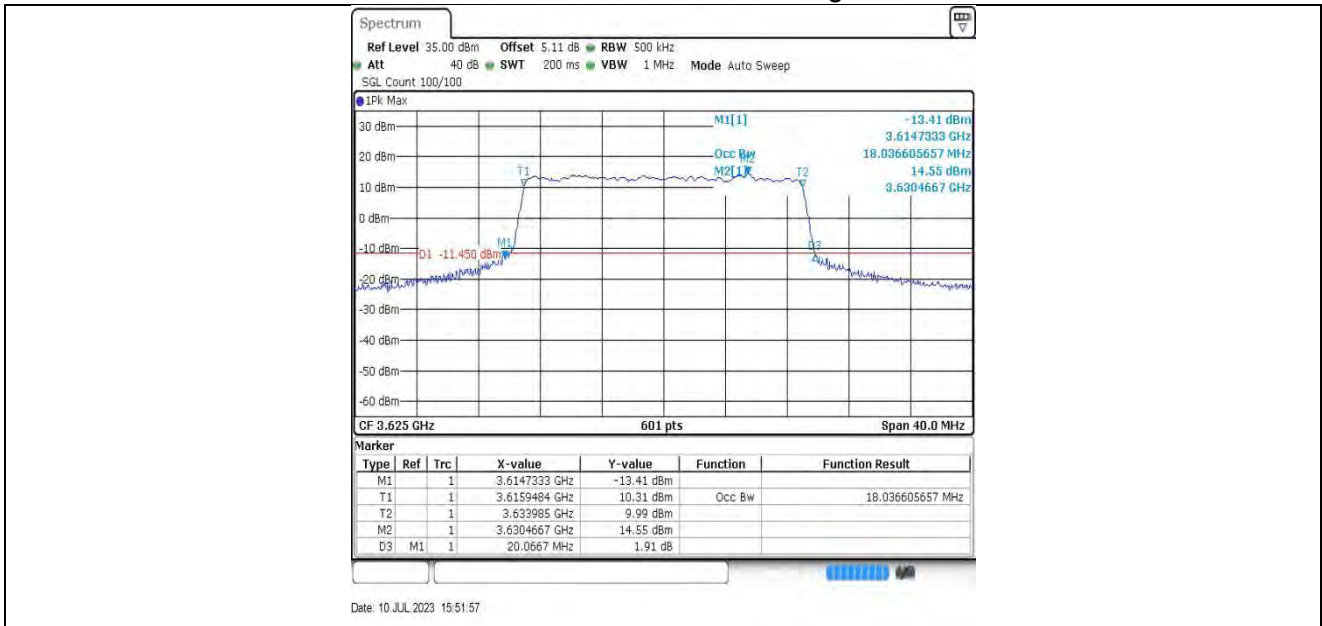
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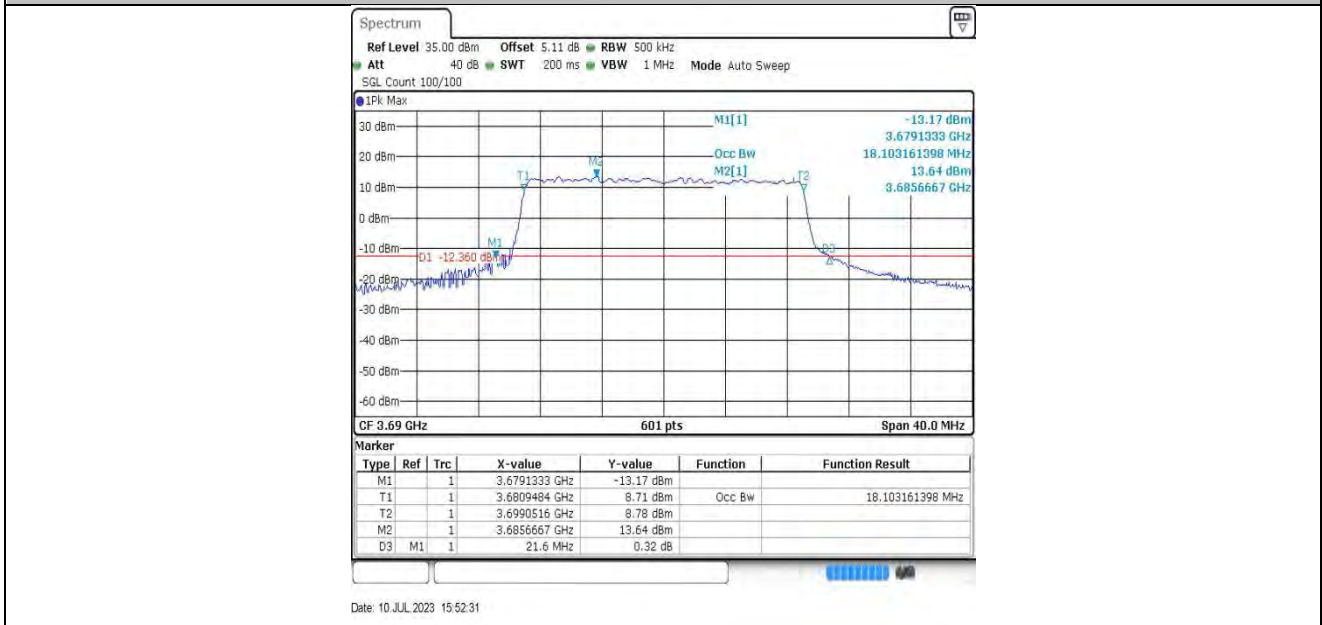
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20MHz-55990 256QAM



20MHz-56640 256QAM



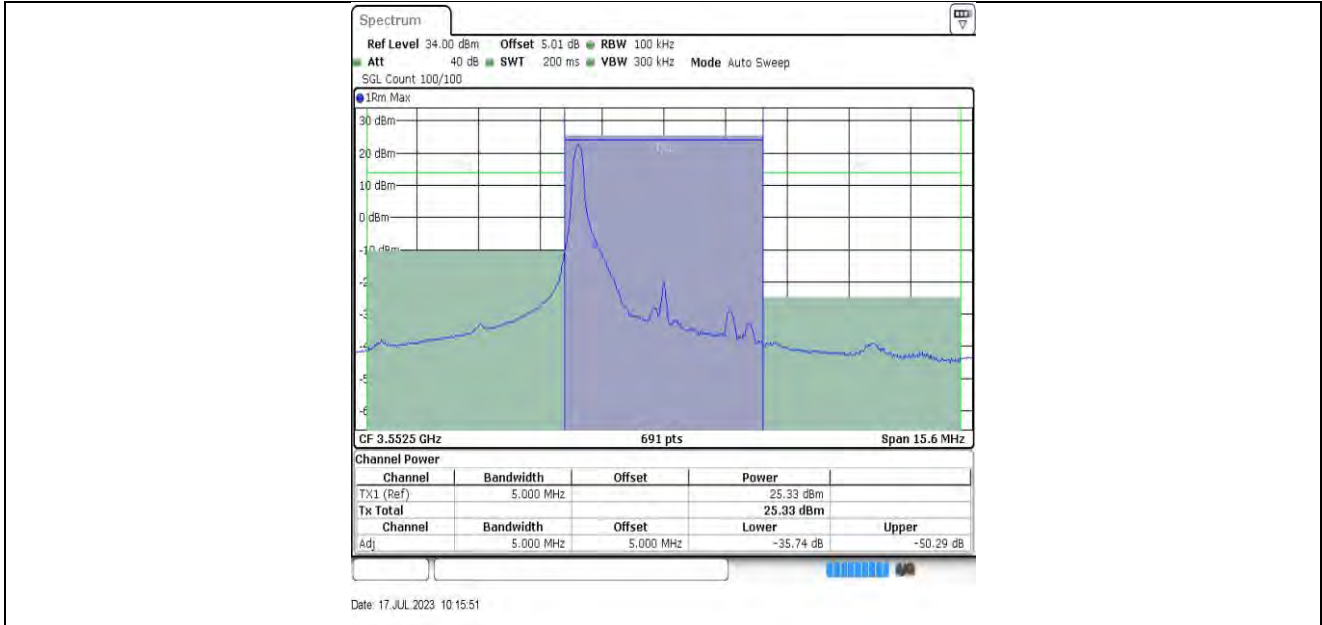
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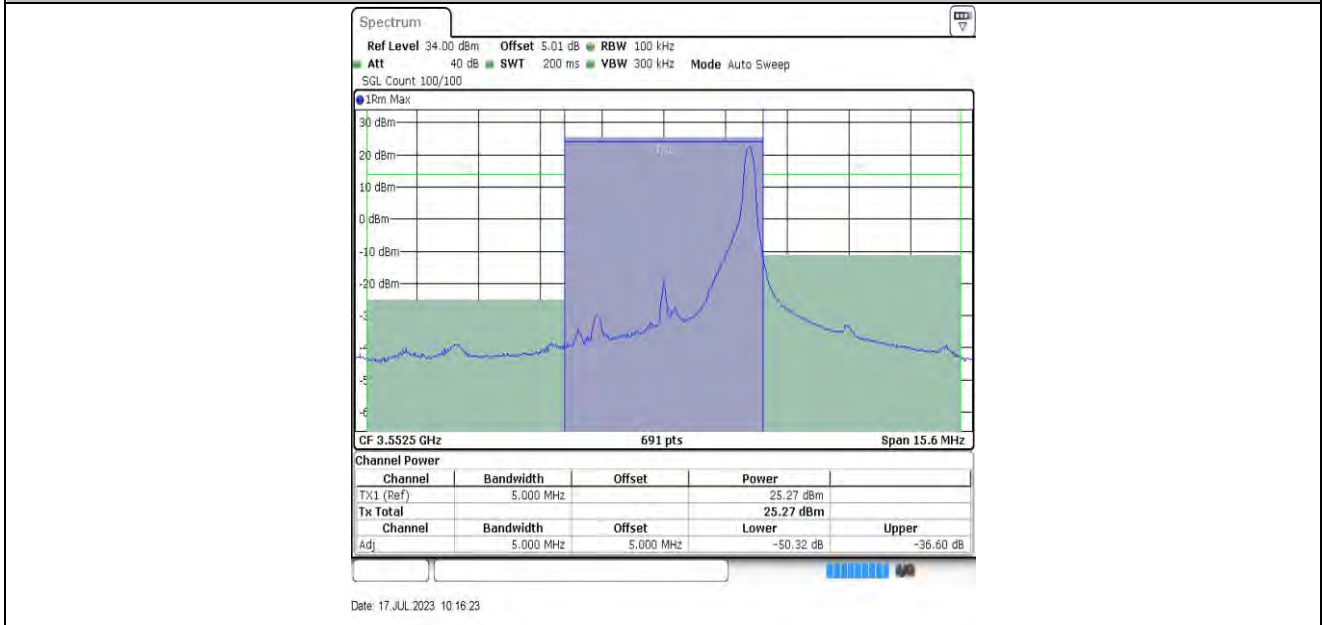
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Adjacent channel leakage ratio

Test Graphs



5MHz-55265

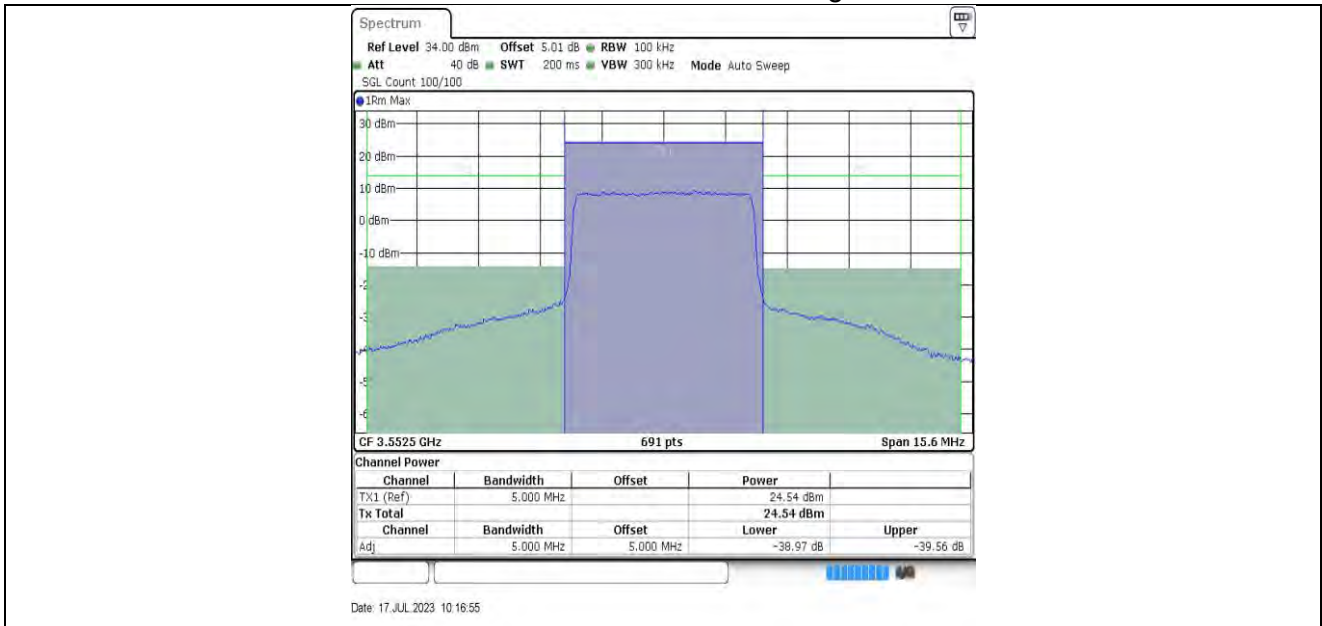


5MHz-55265

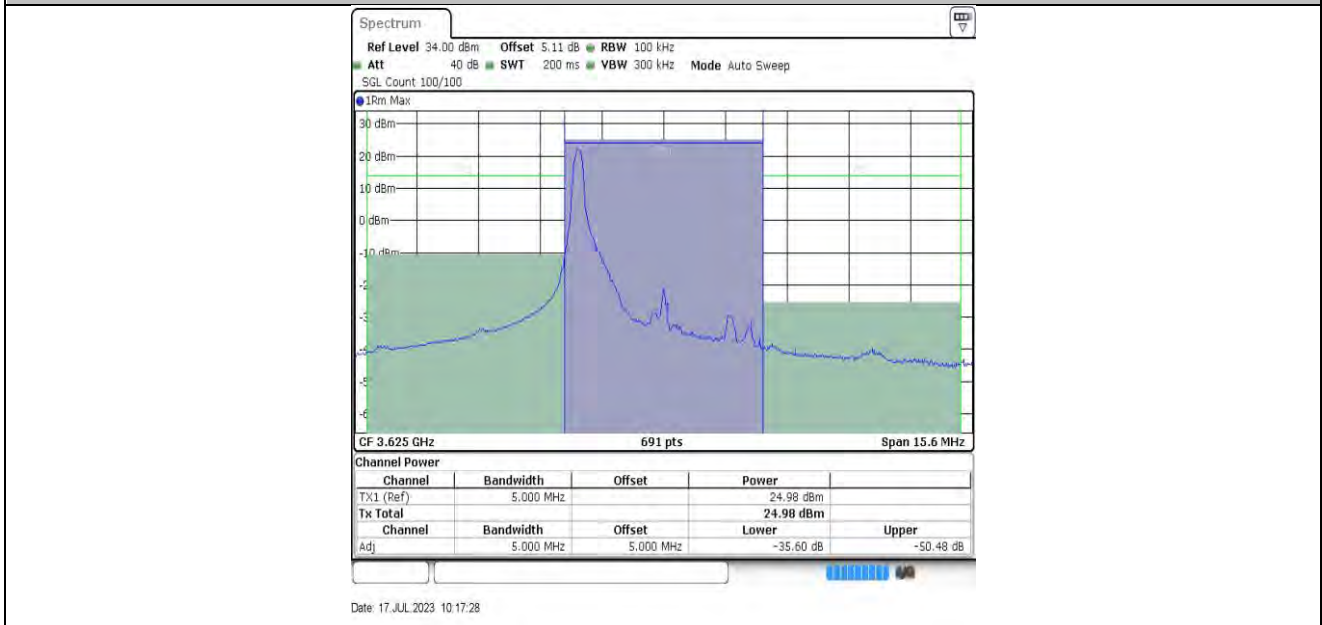


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5MHz-5265



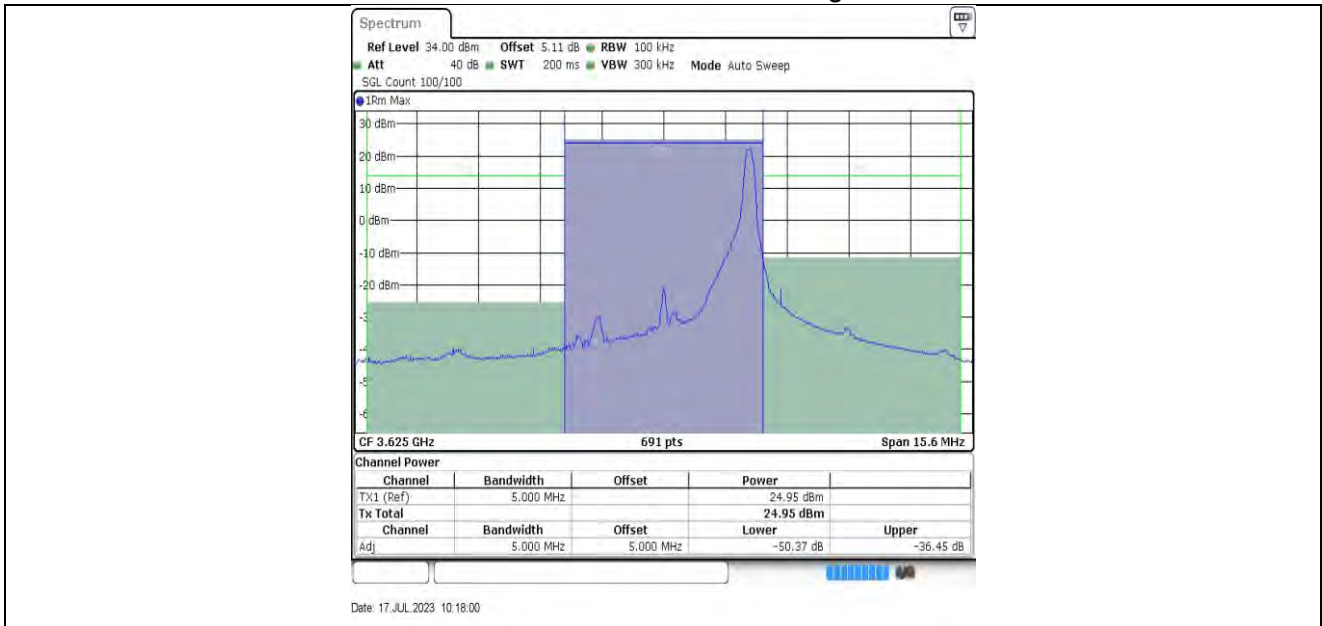
5MHz-5590



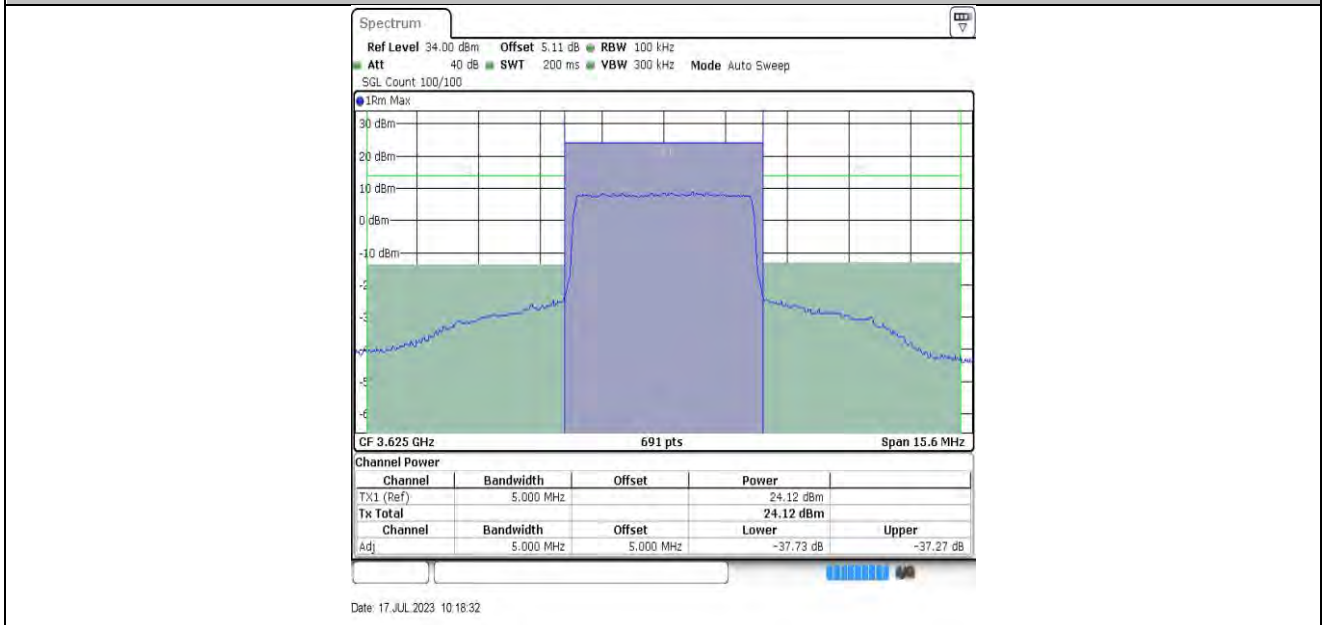
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5MHz-55990



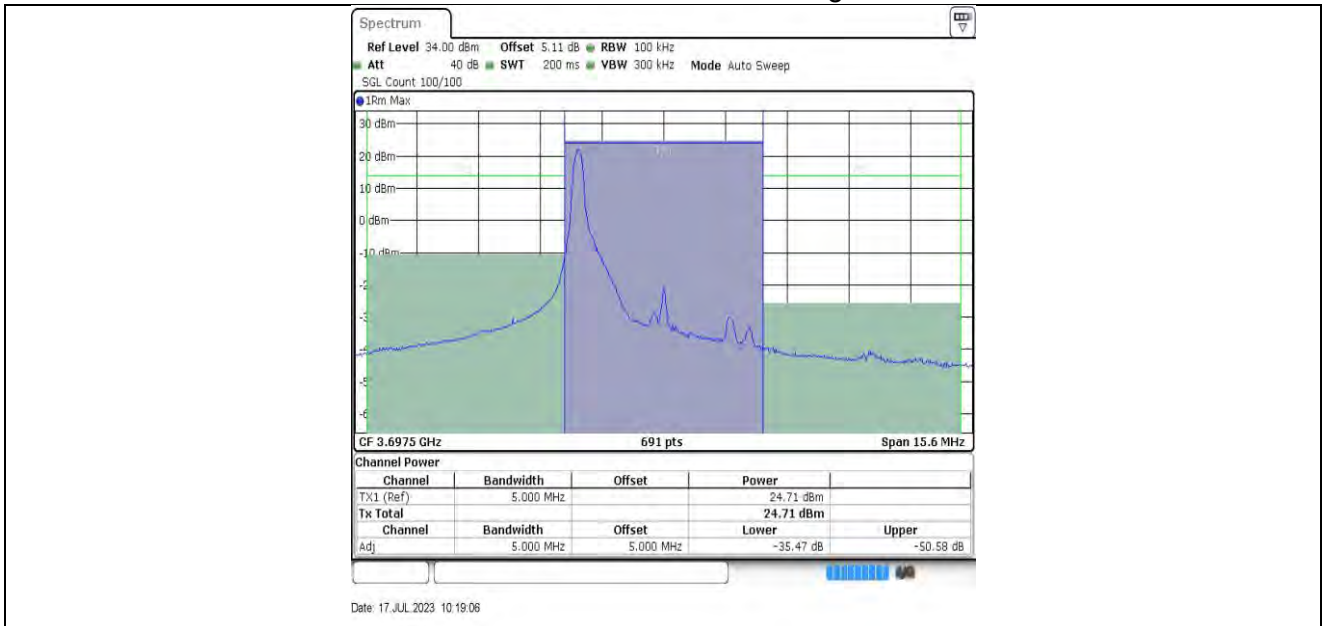
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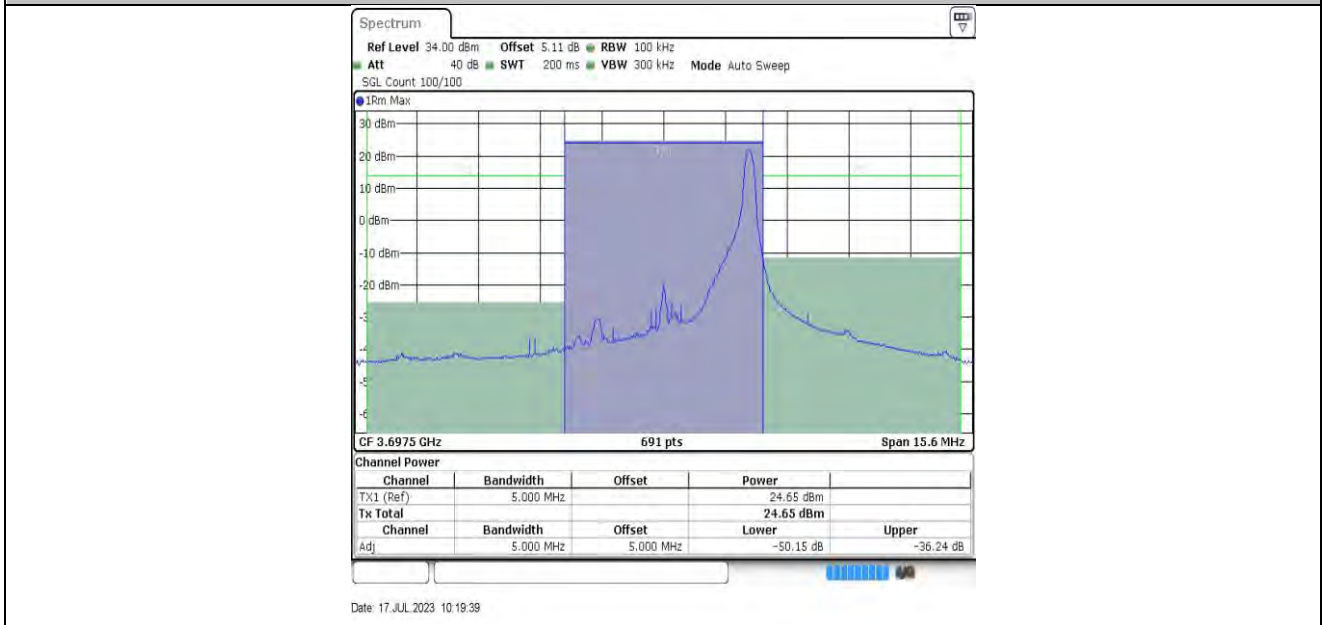
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5MHz-56715



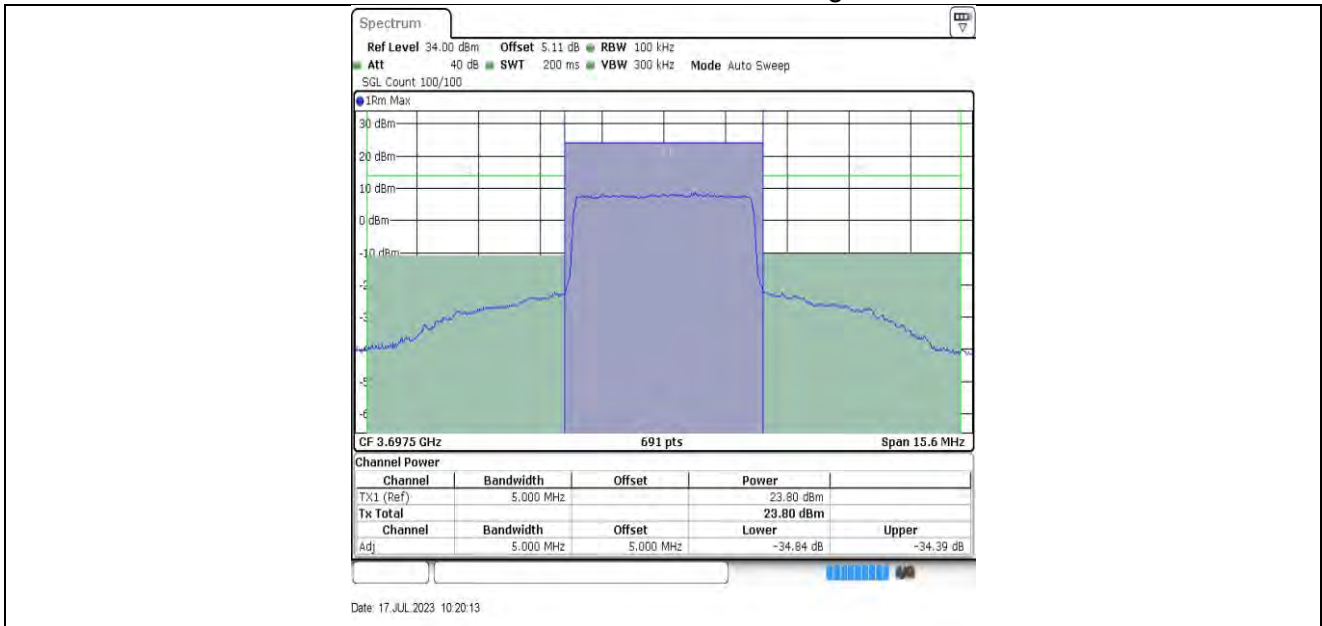
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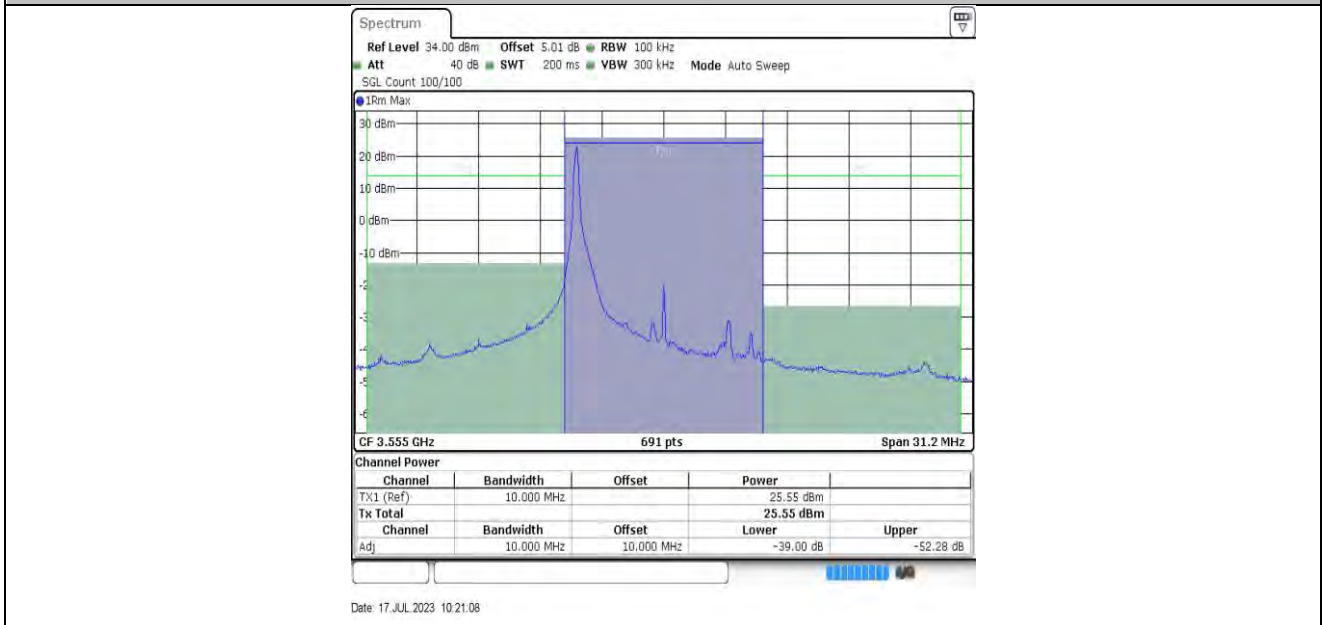
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5MHz-56715



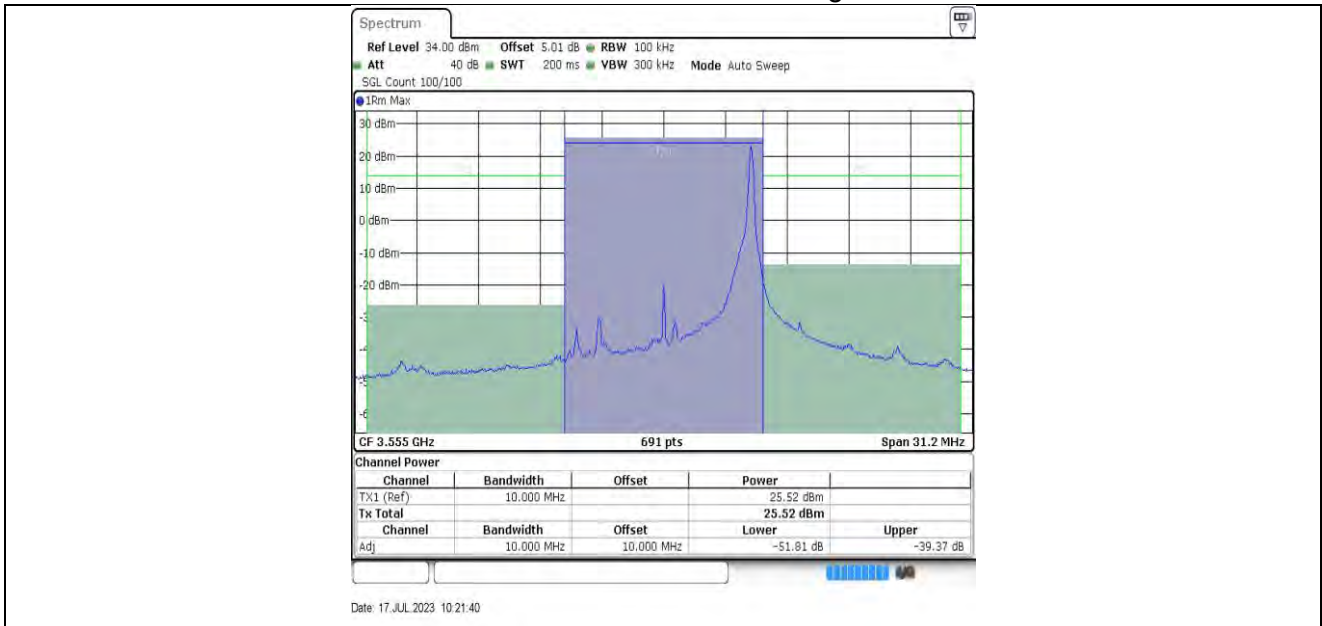
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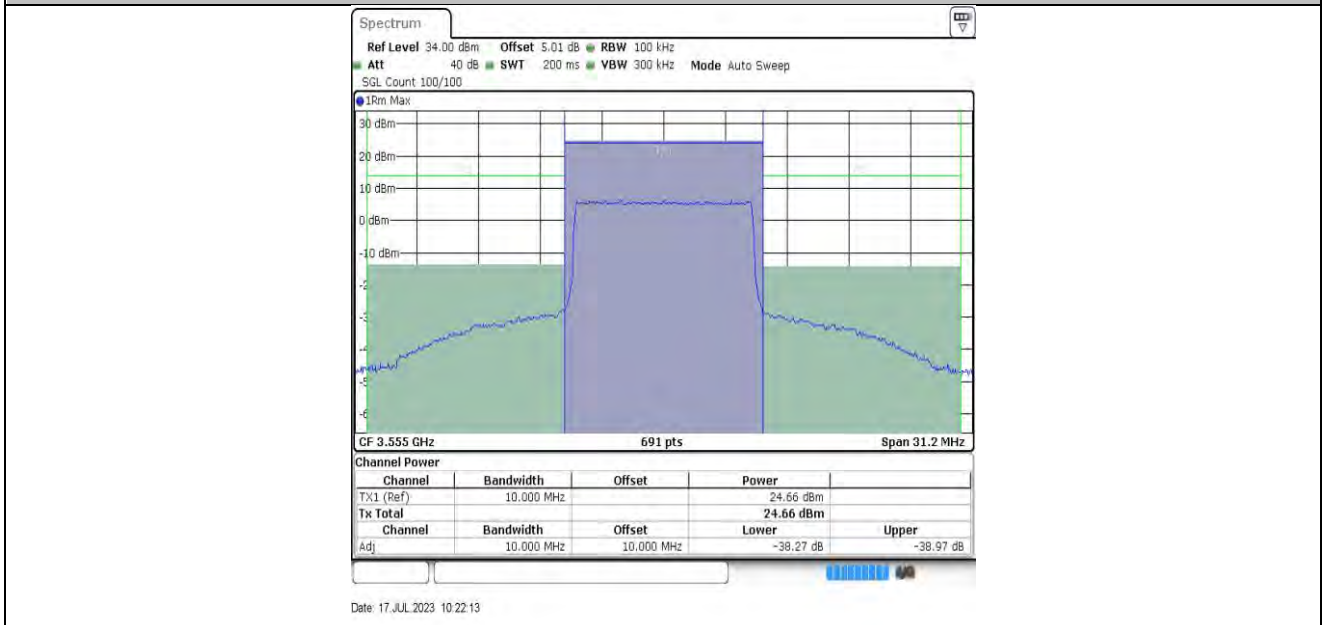
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10MHz-55290



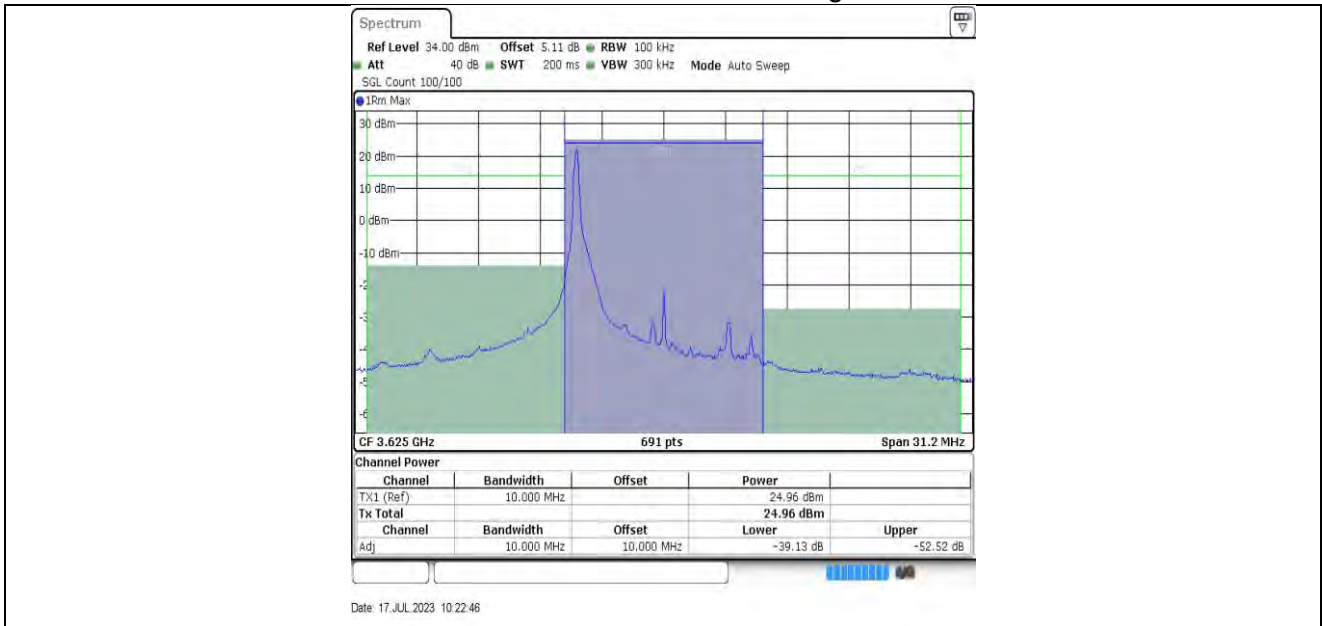
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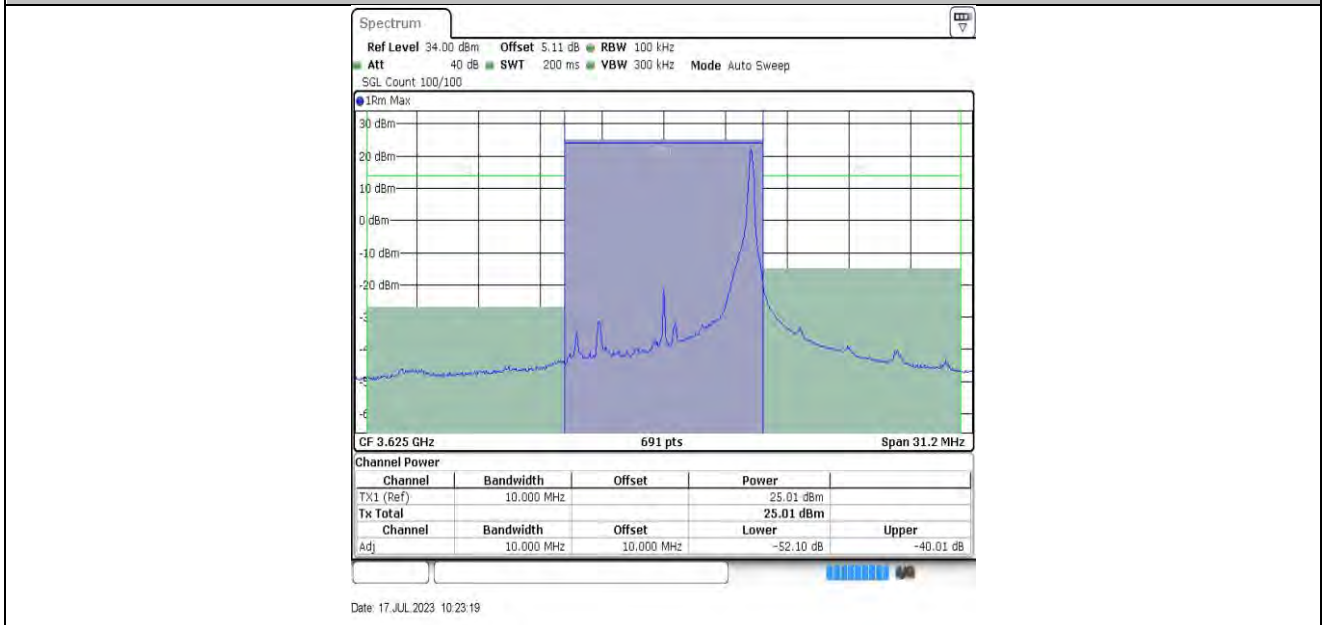
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10MHz-55990



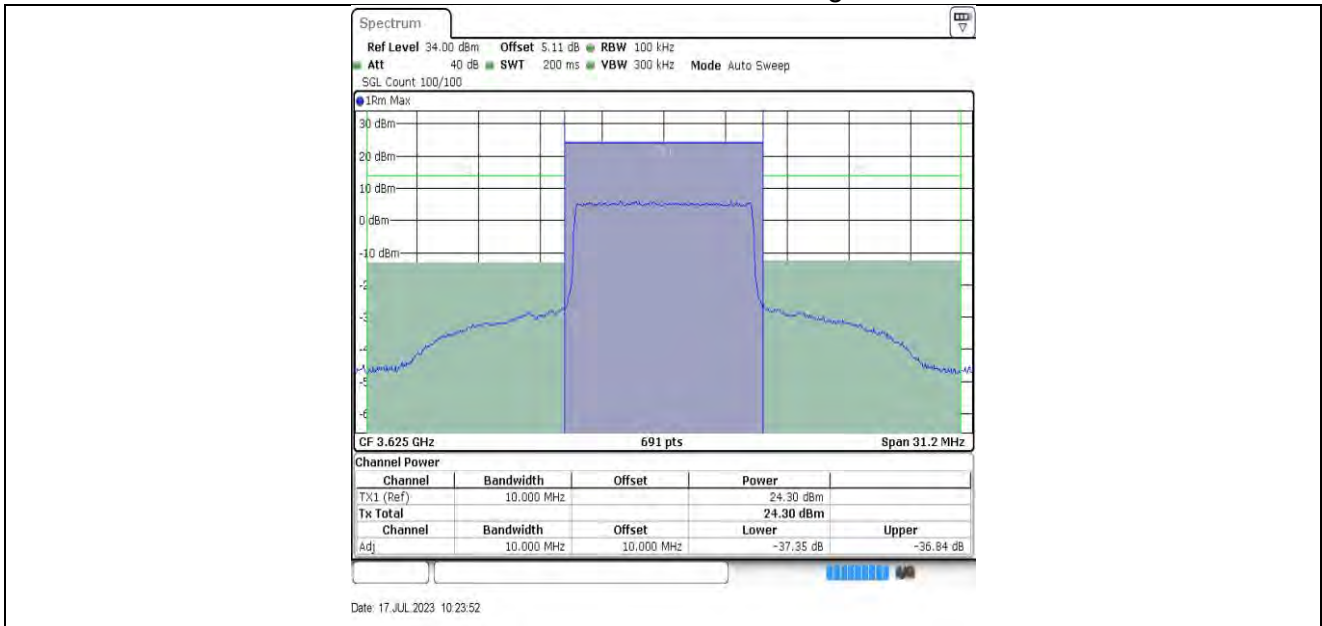
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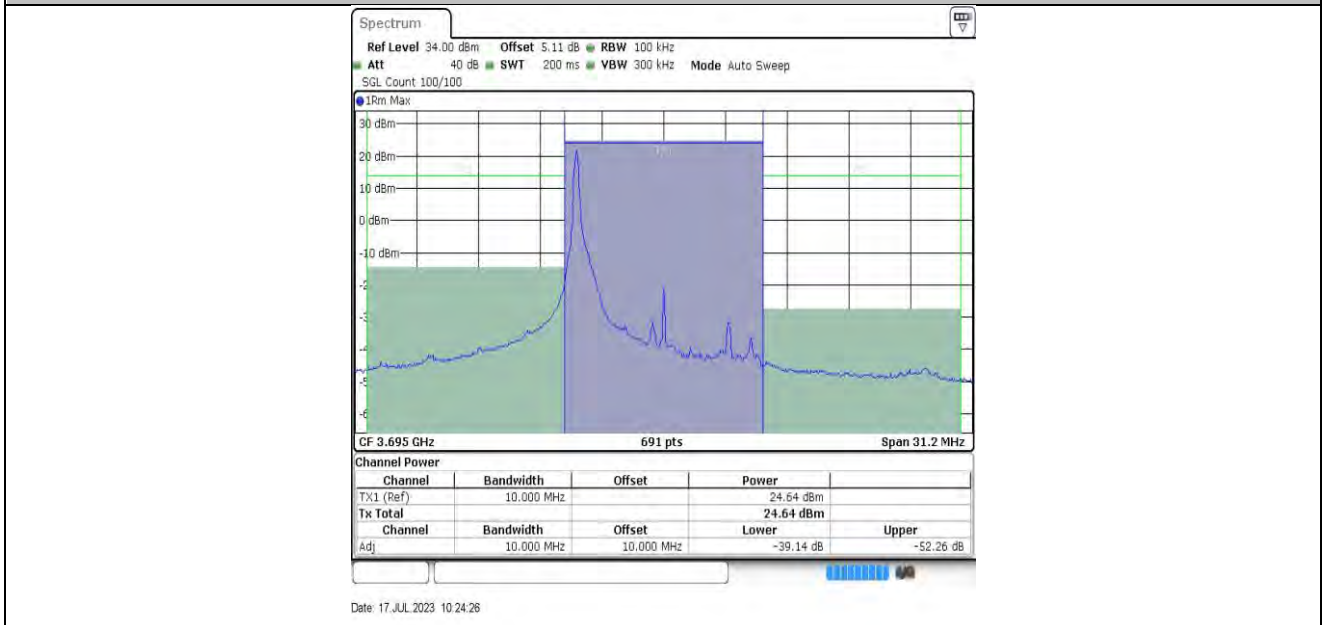
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10MHz-55990

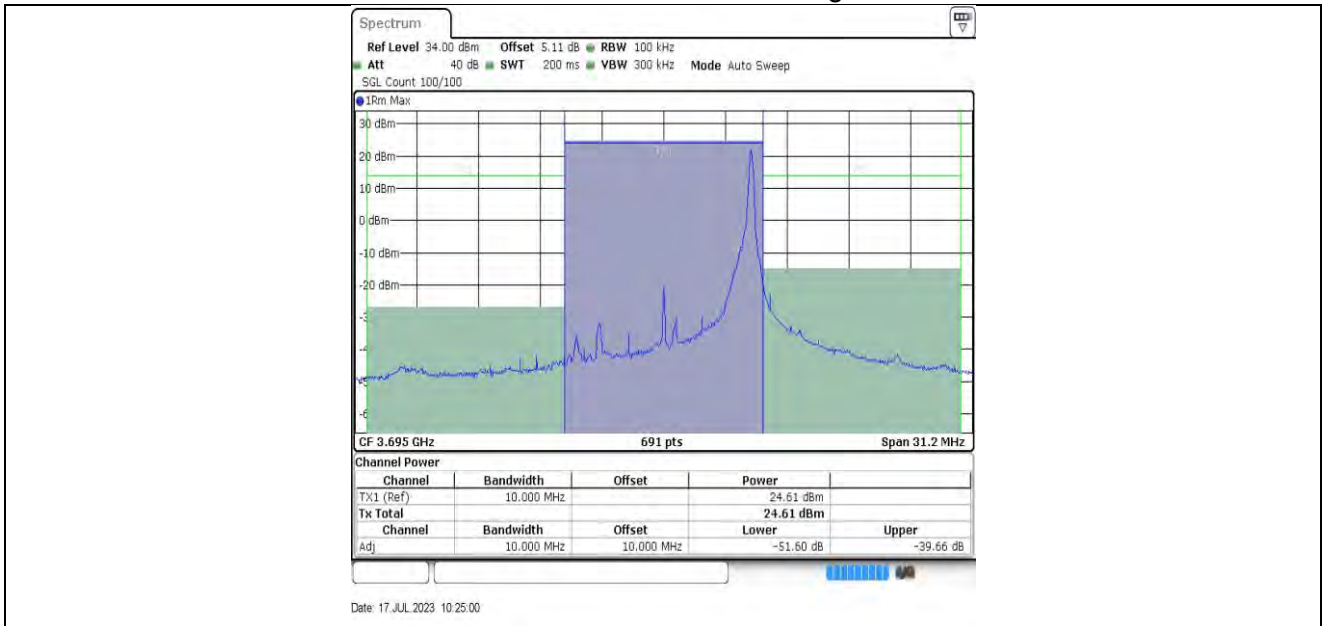


10MHz-56690

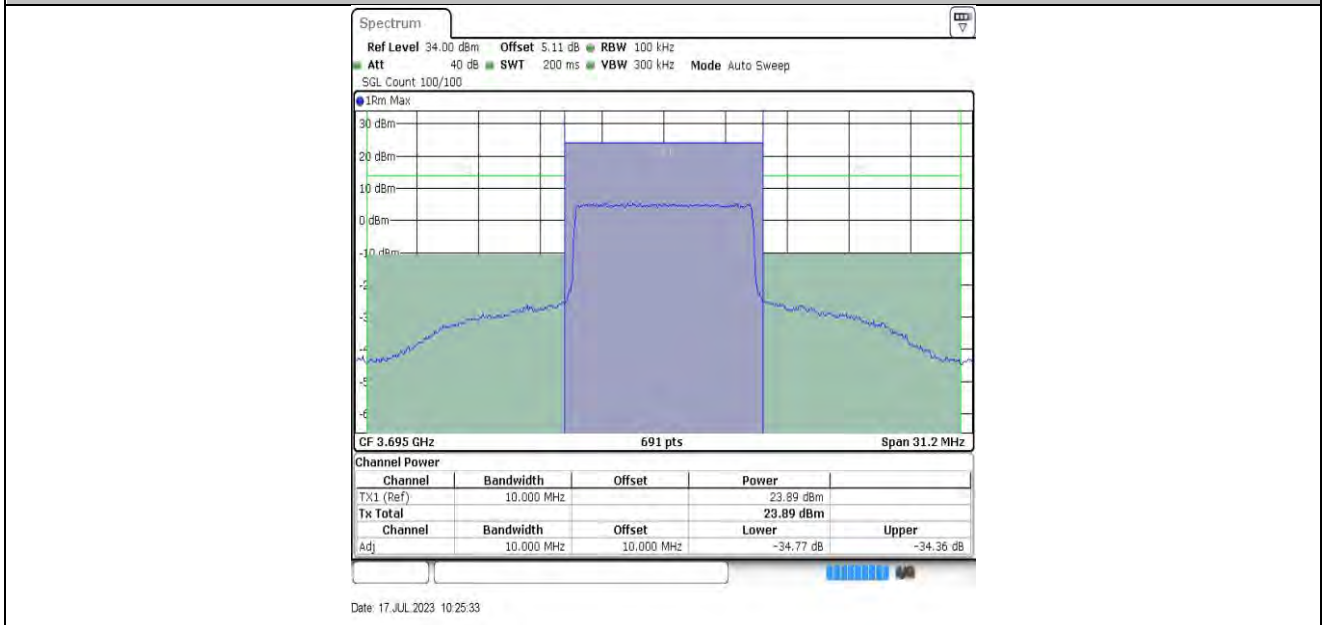


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10MHz-56690



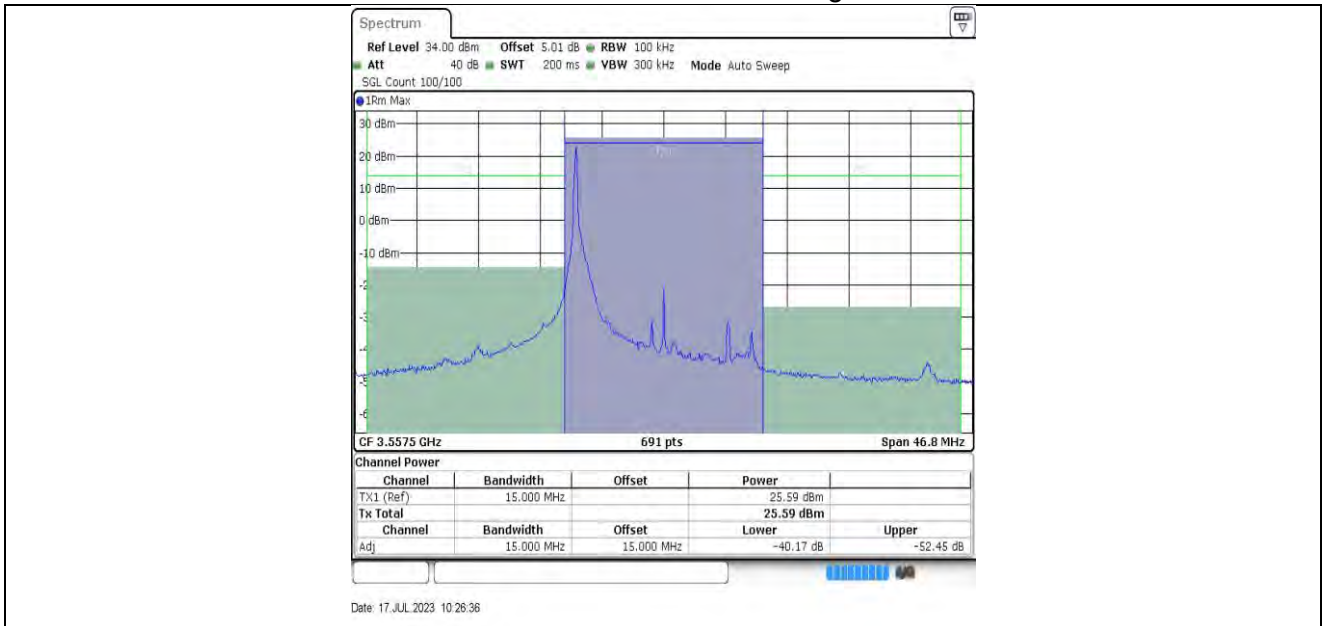
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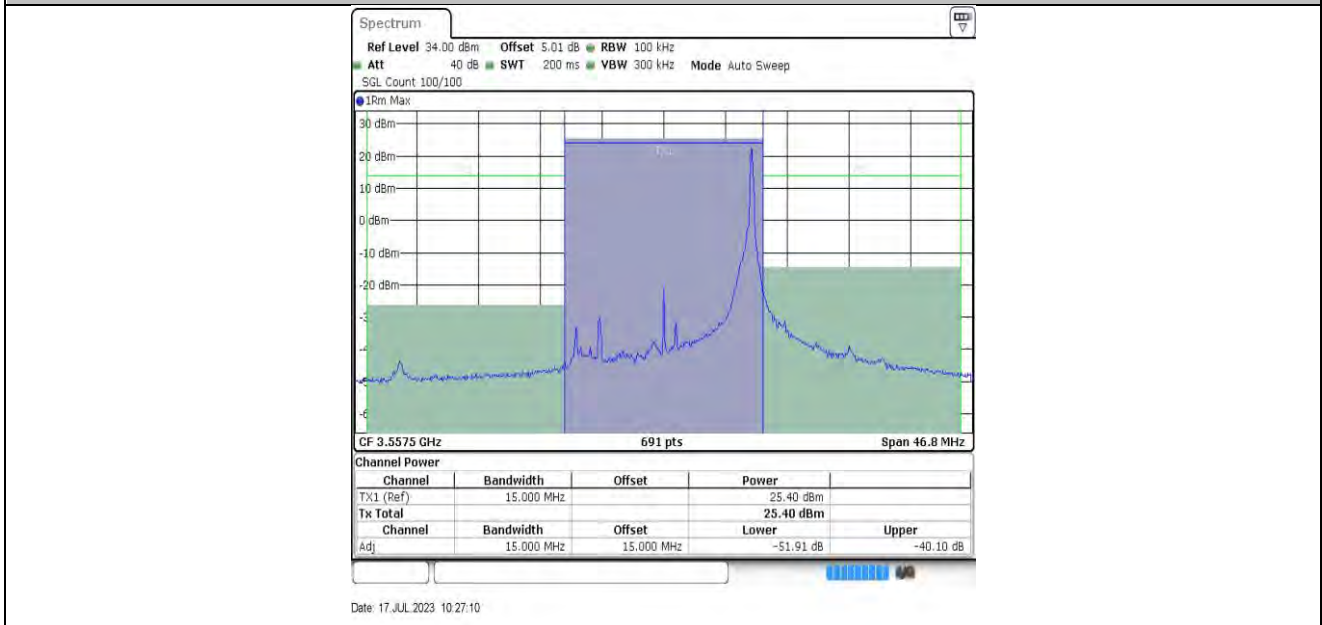
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15MHz-55315



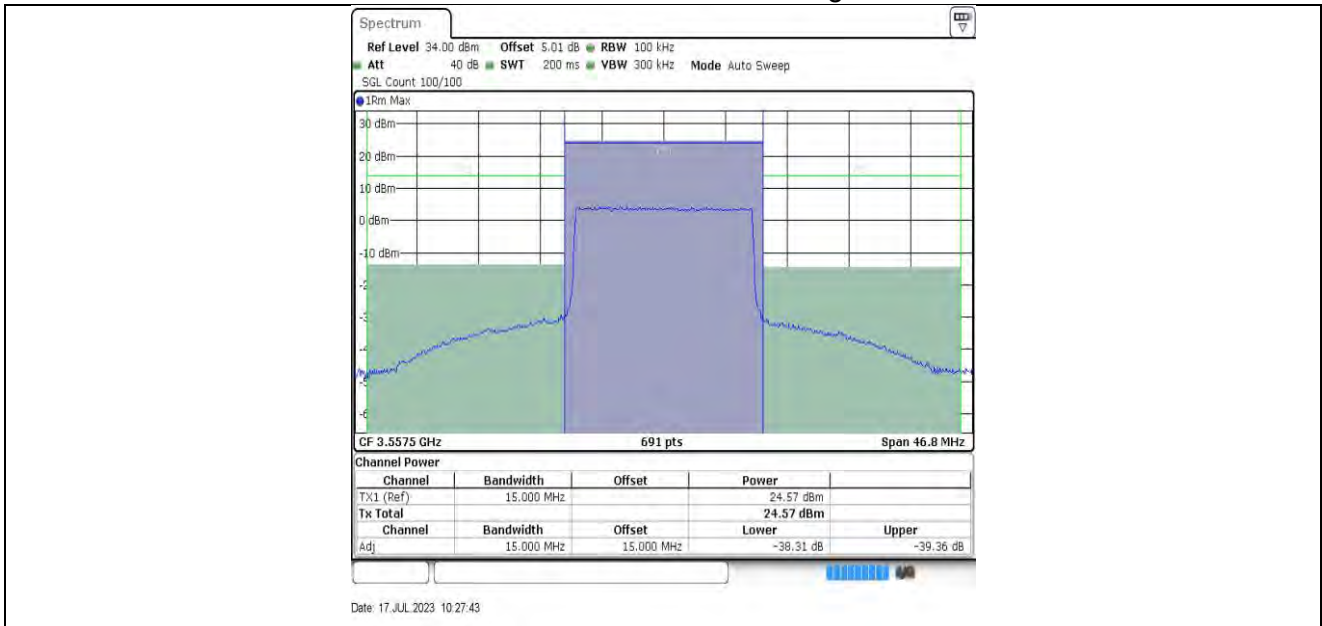
15MHz-55315



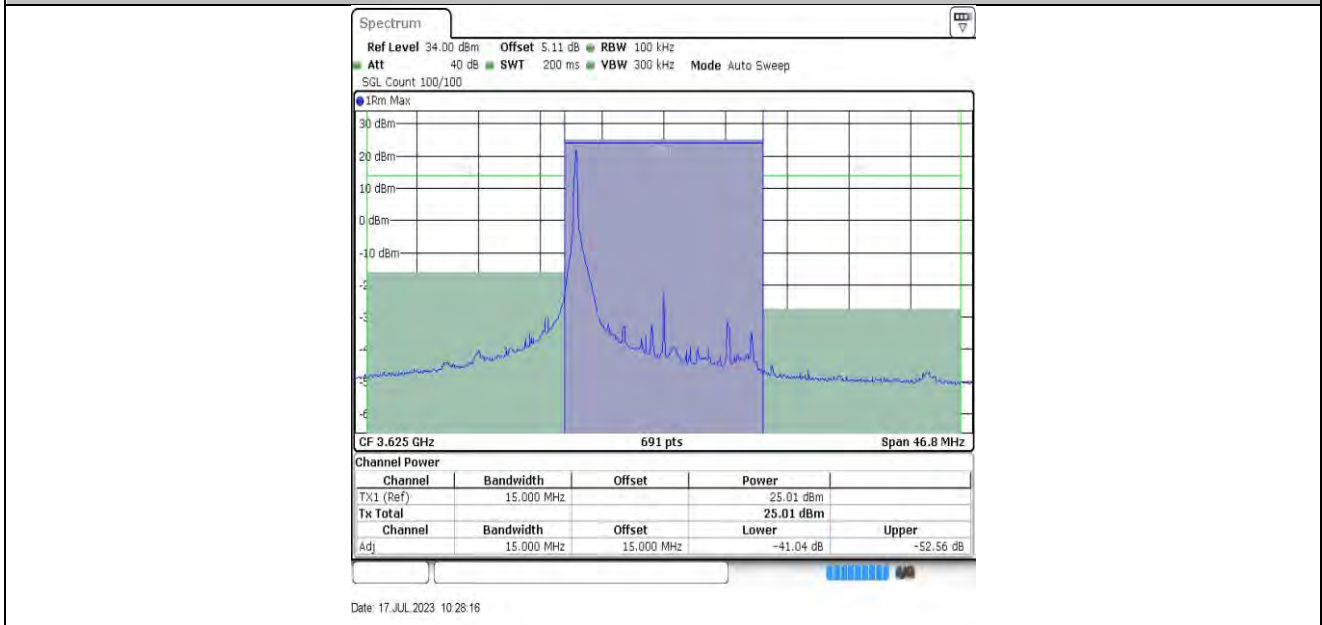
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15MHz-55315

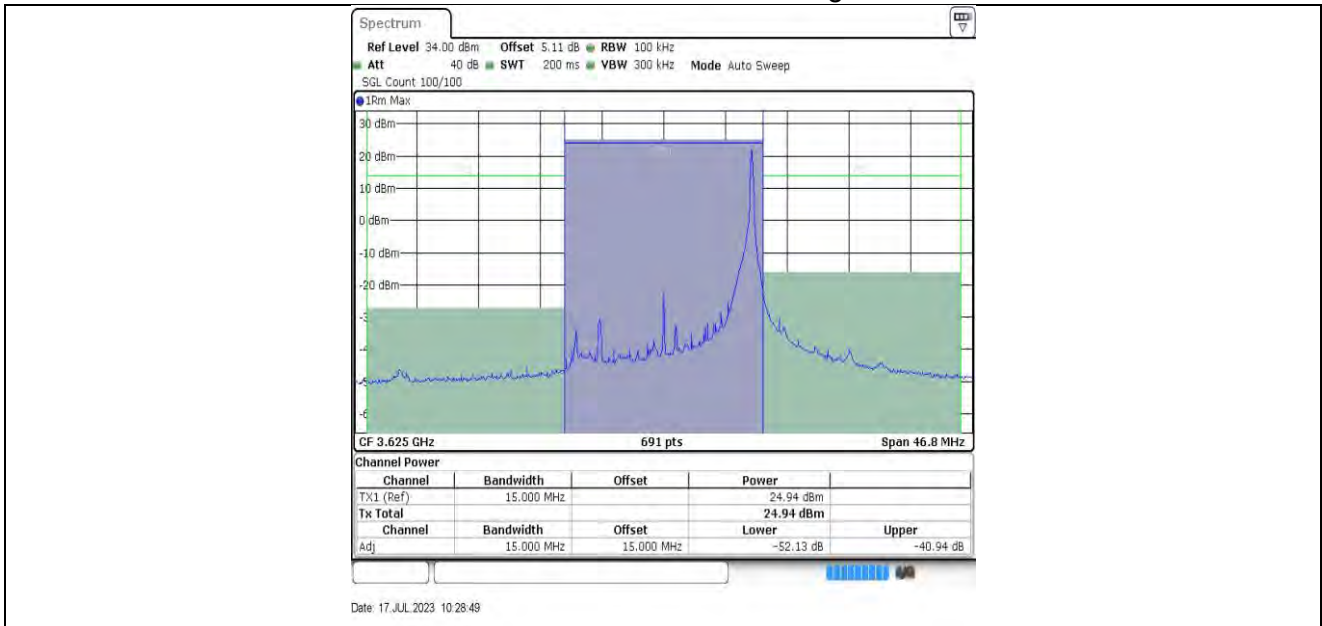


15MHz-55990

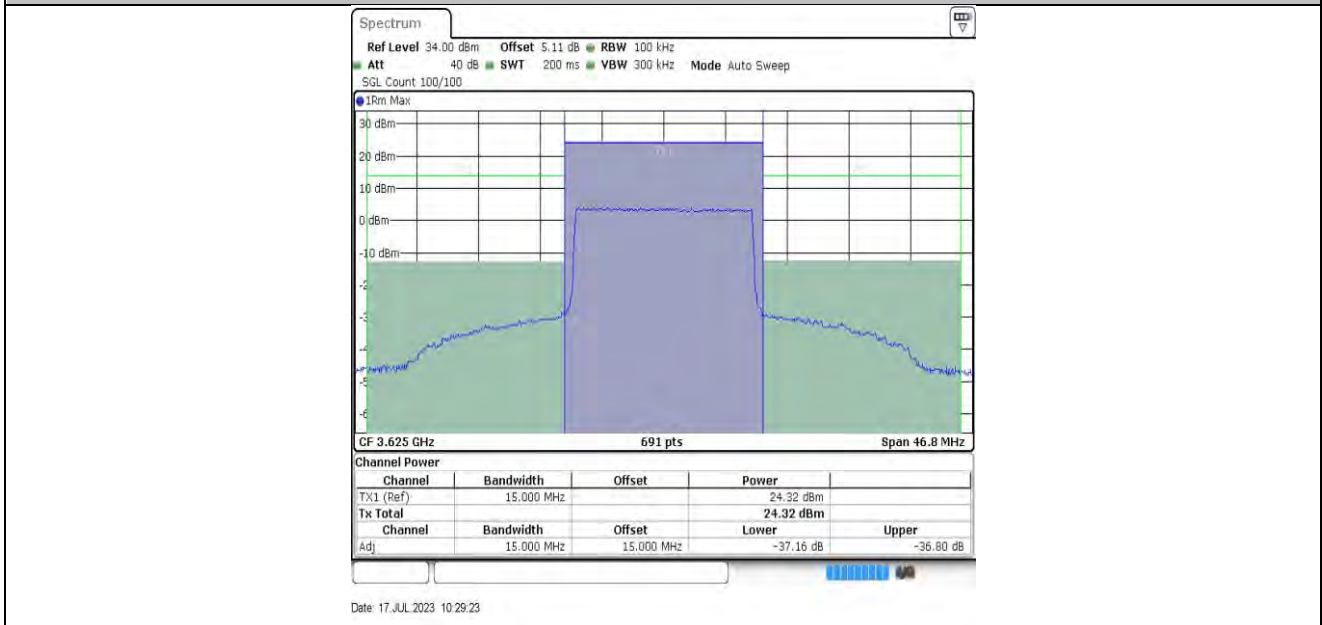


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15MHz-55990



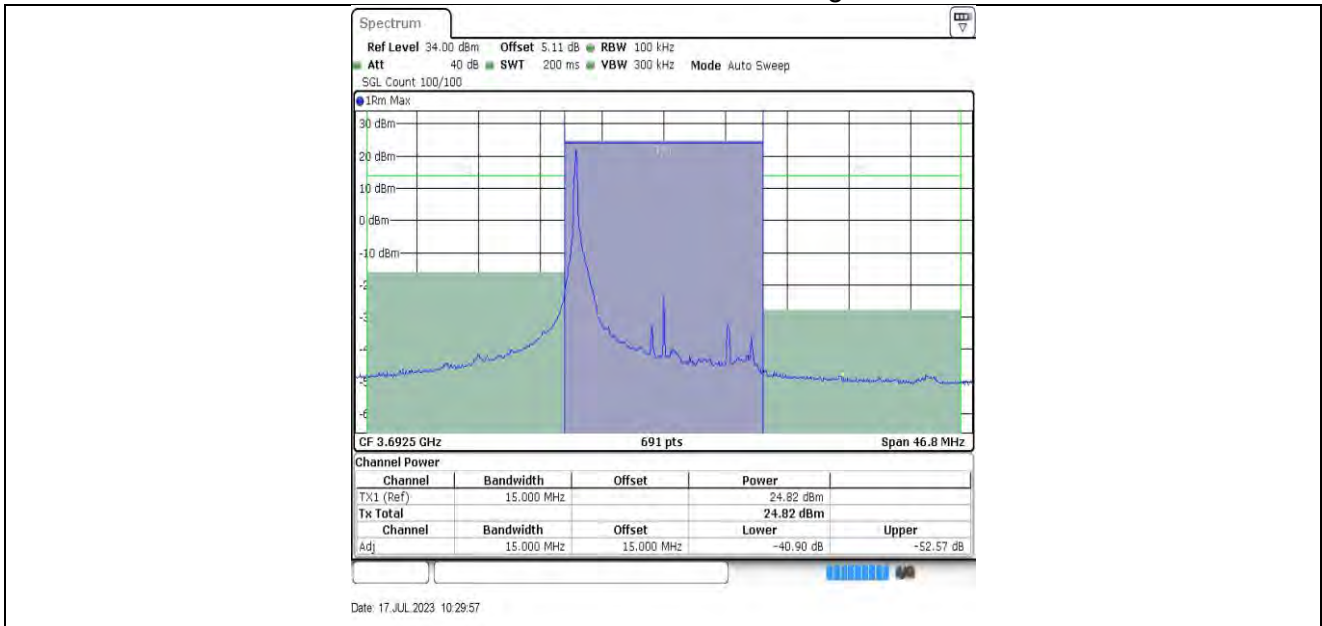
15MHz-55990



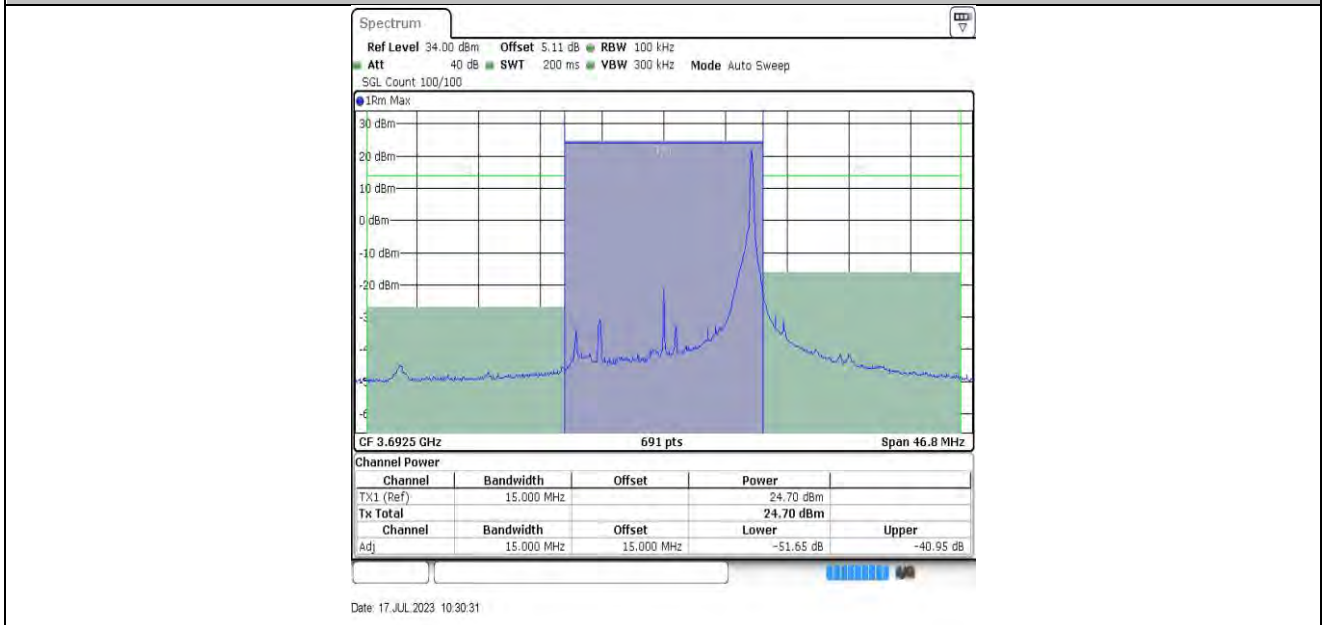
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15MHz-56665



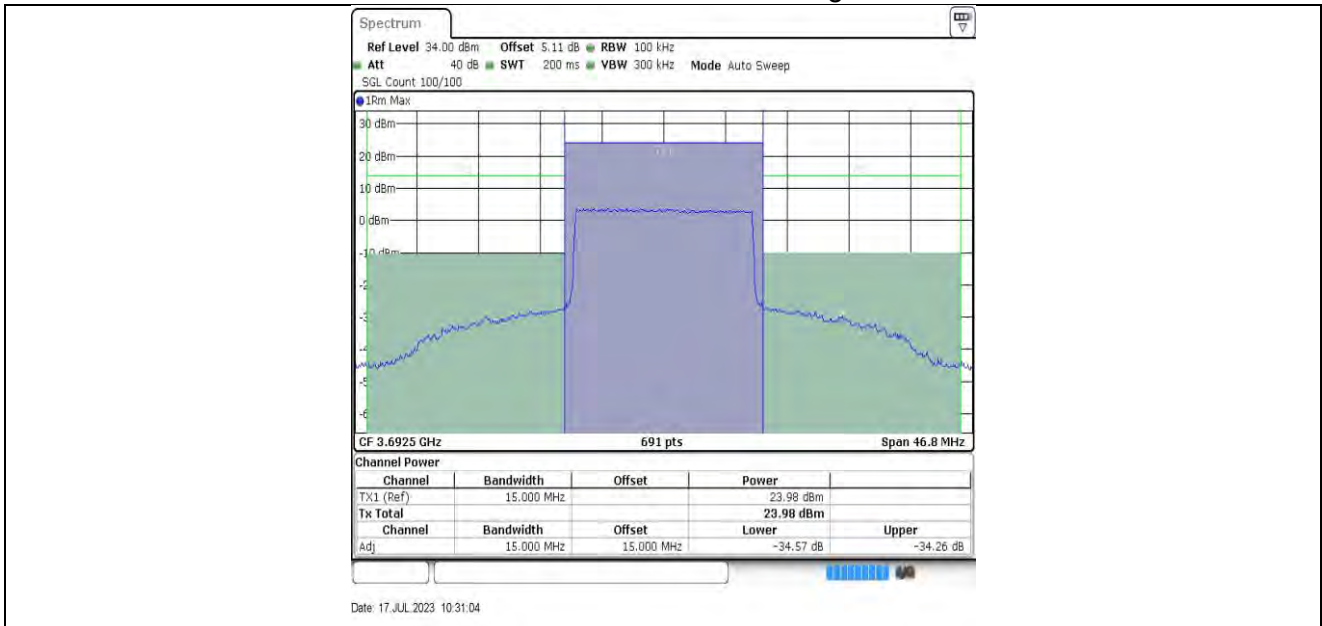
15MHz-56665



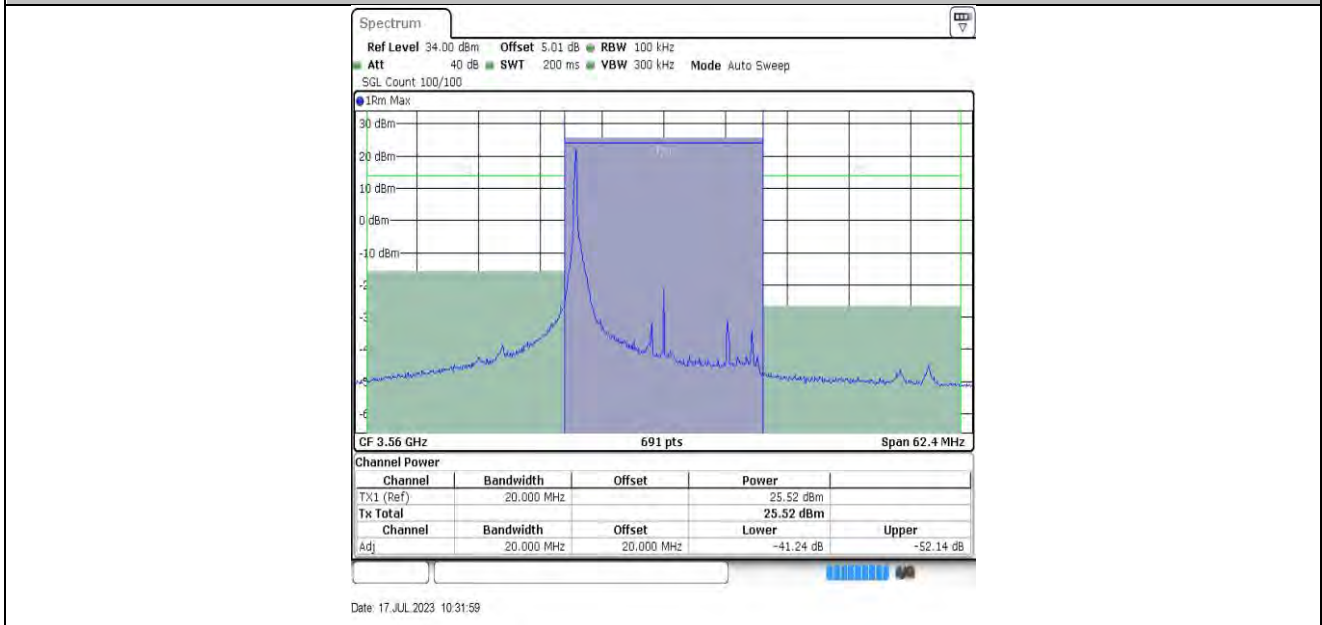
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15MHz-56665

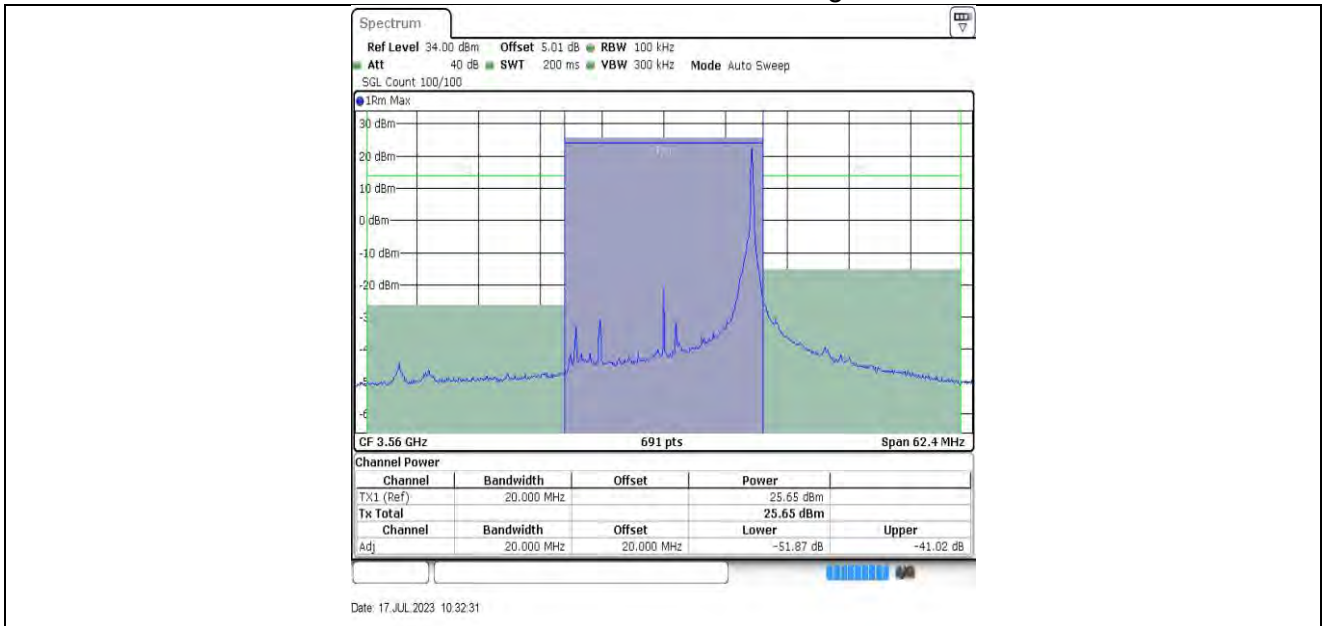


20MHz-55340

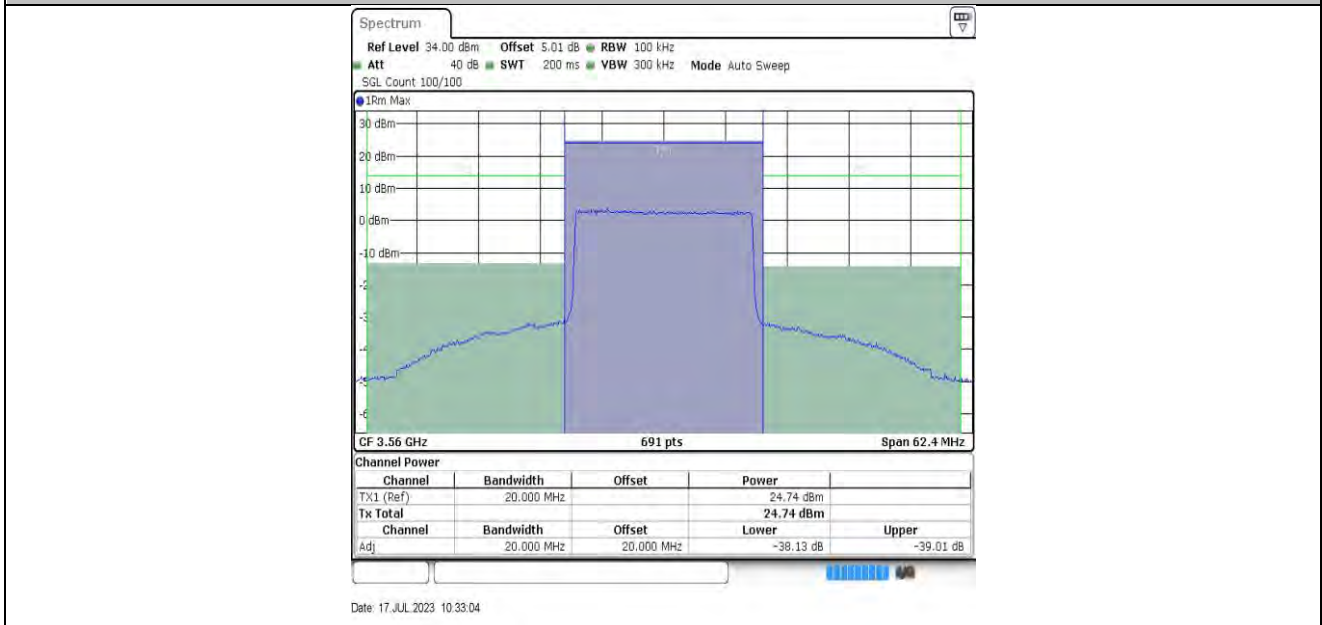


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20MHz-55340



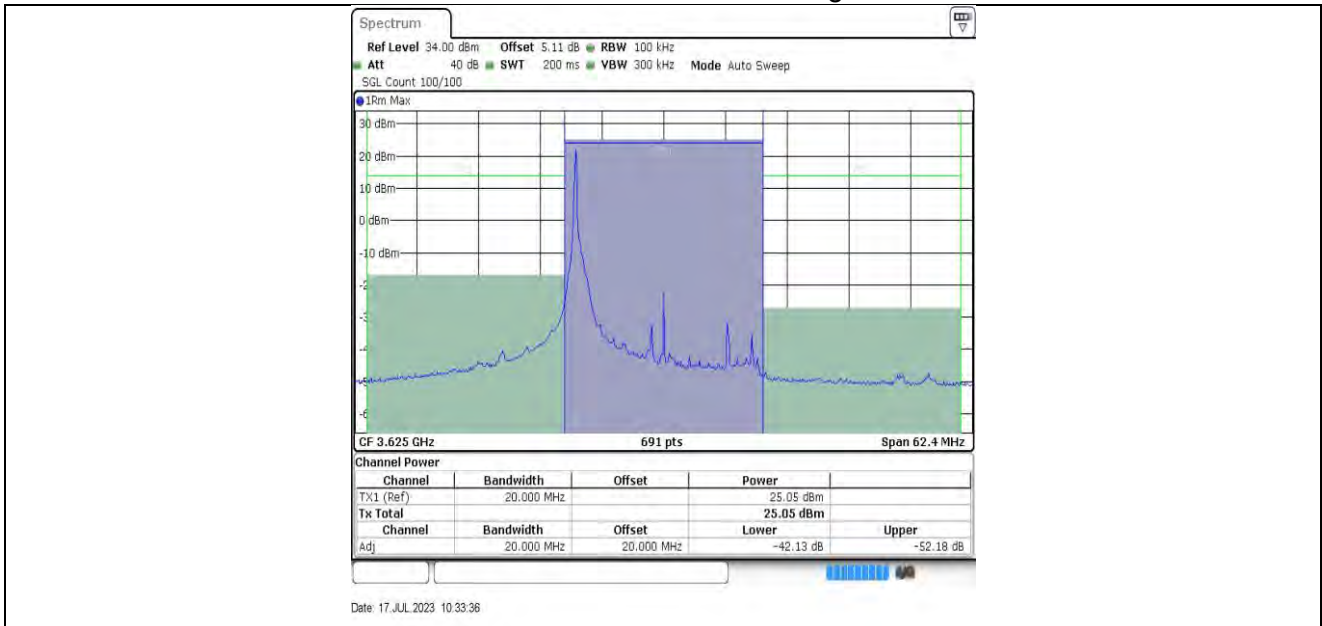
20MHz-55340



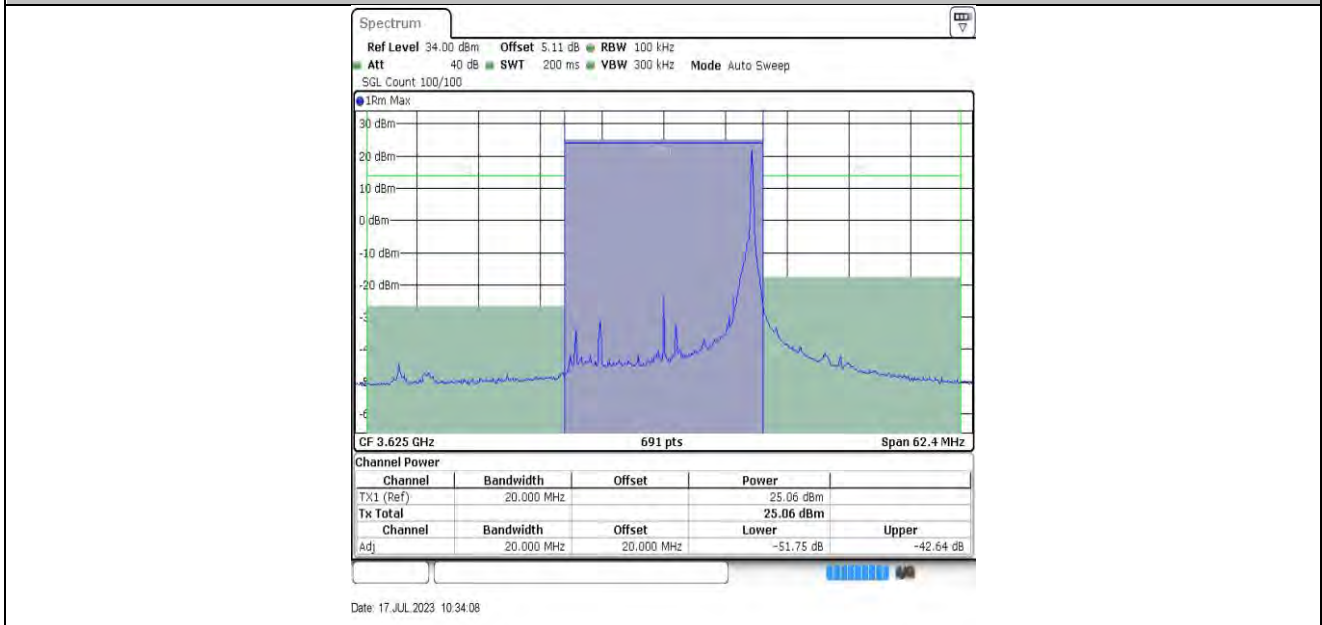
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20MHz-55990



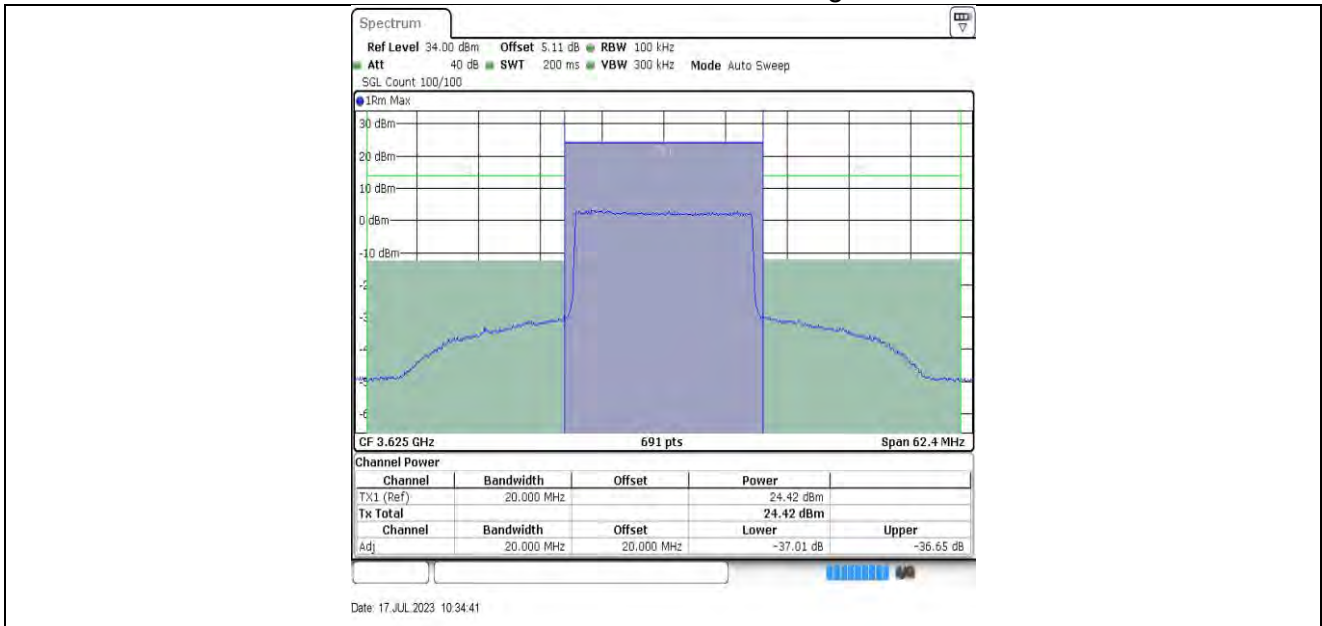
20MHz-55990



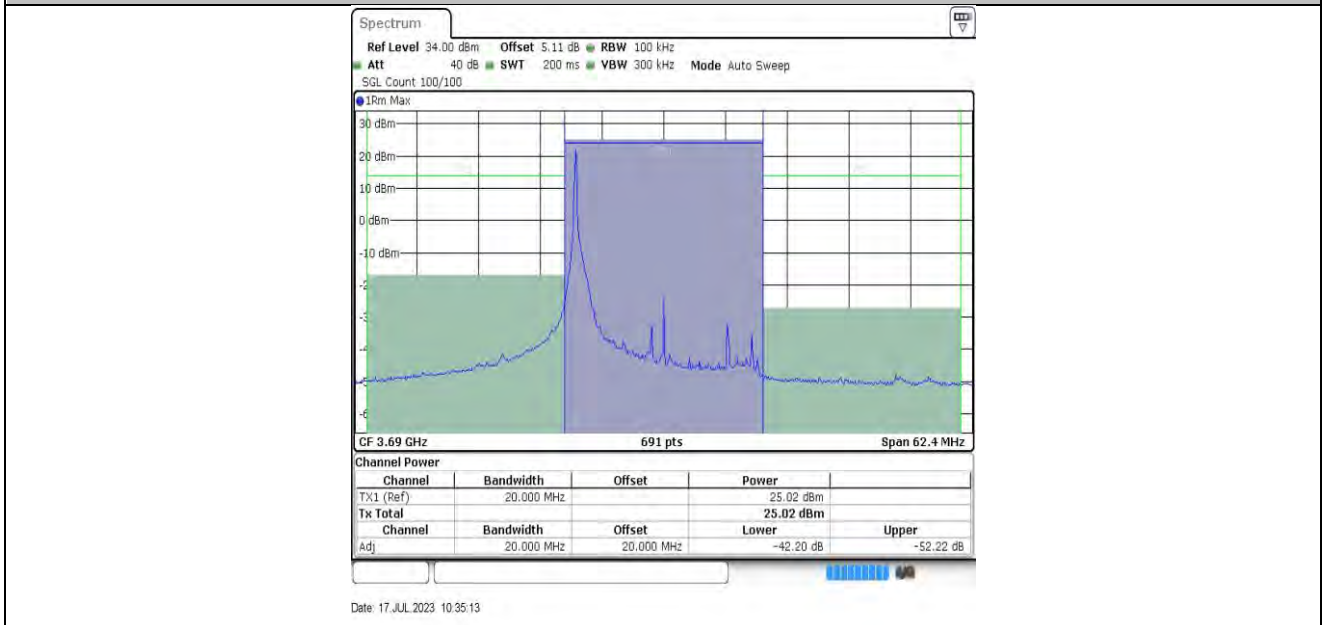
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20MHz-55990



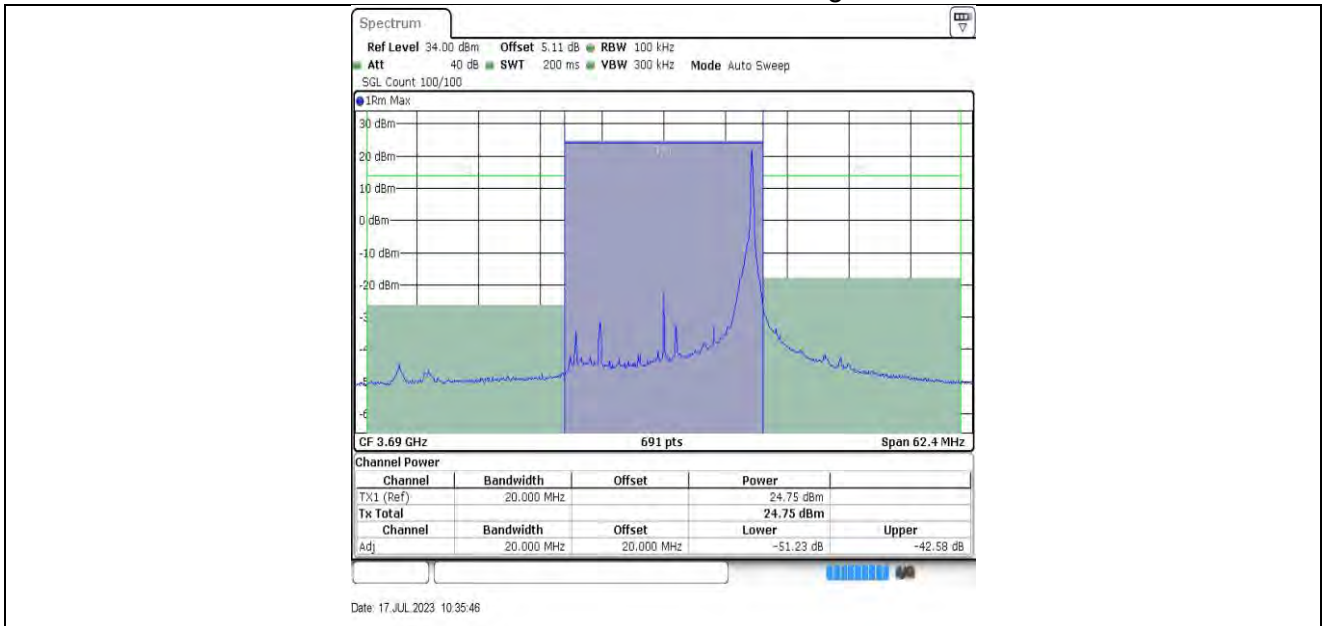
20MHz-56640



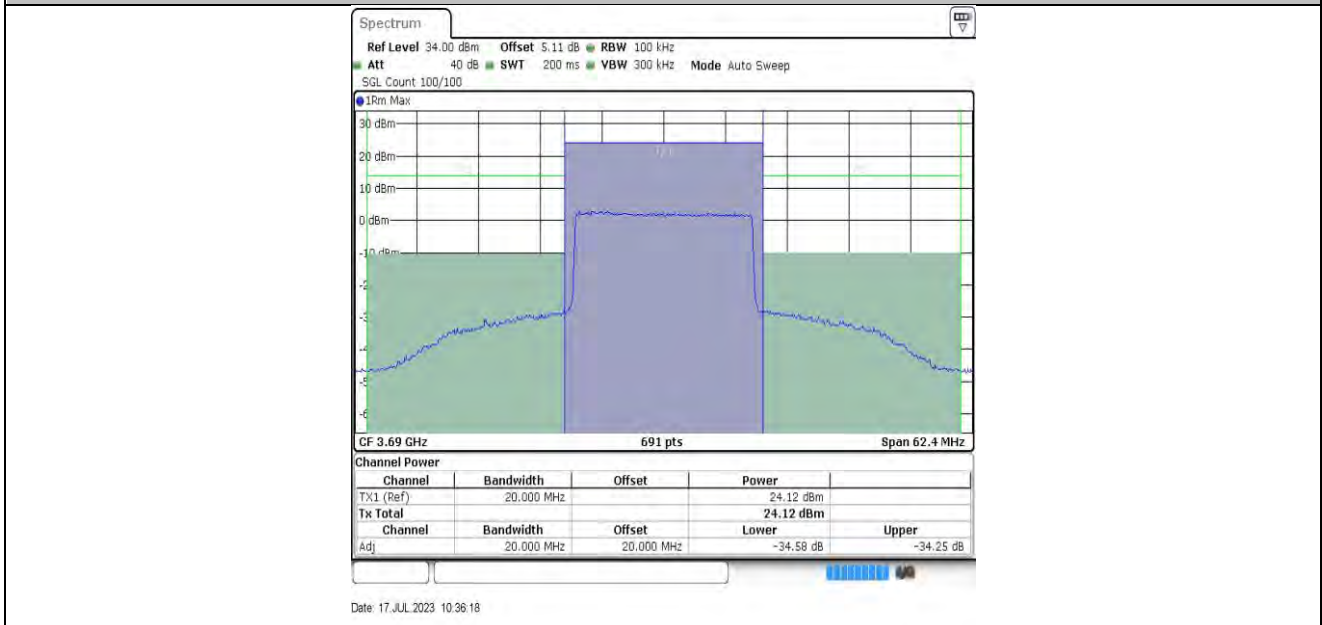
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20MHz-56640



20MHz-56640



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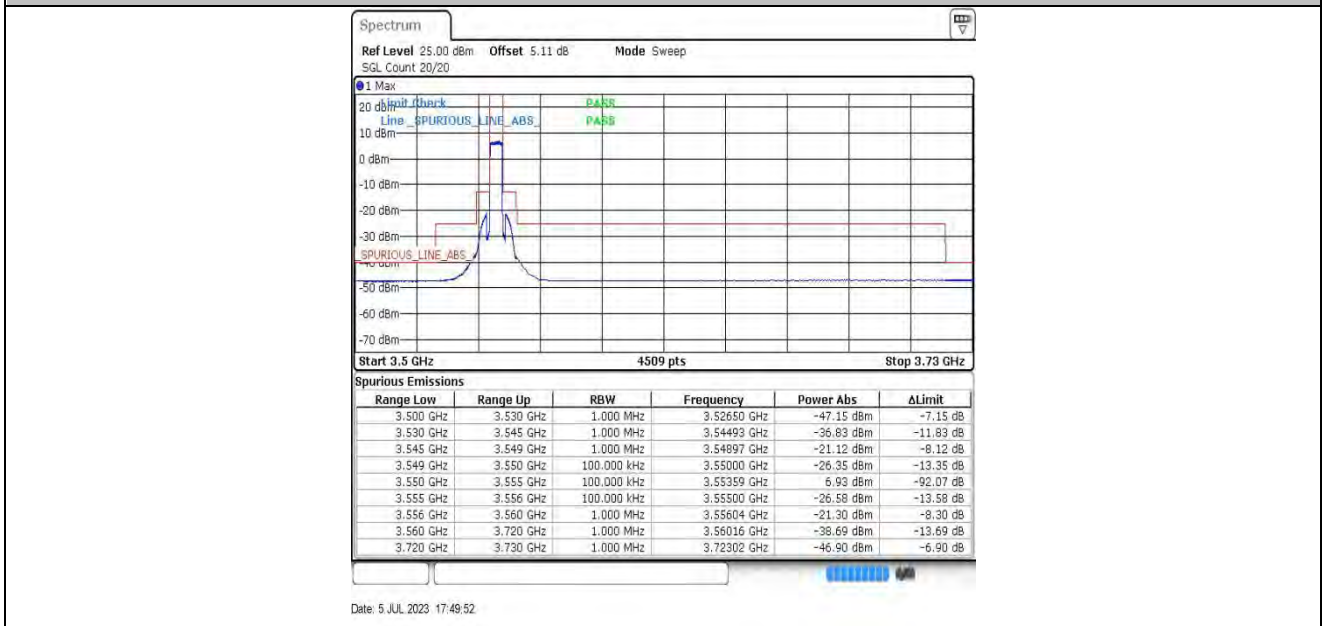
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Band Edge Test Graphs



5MHz-55265

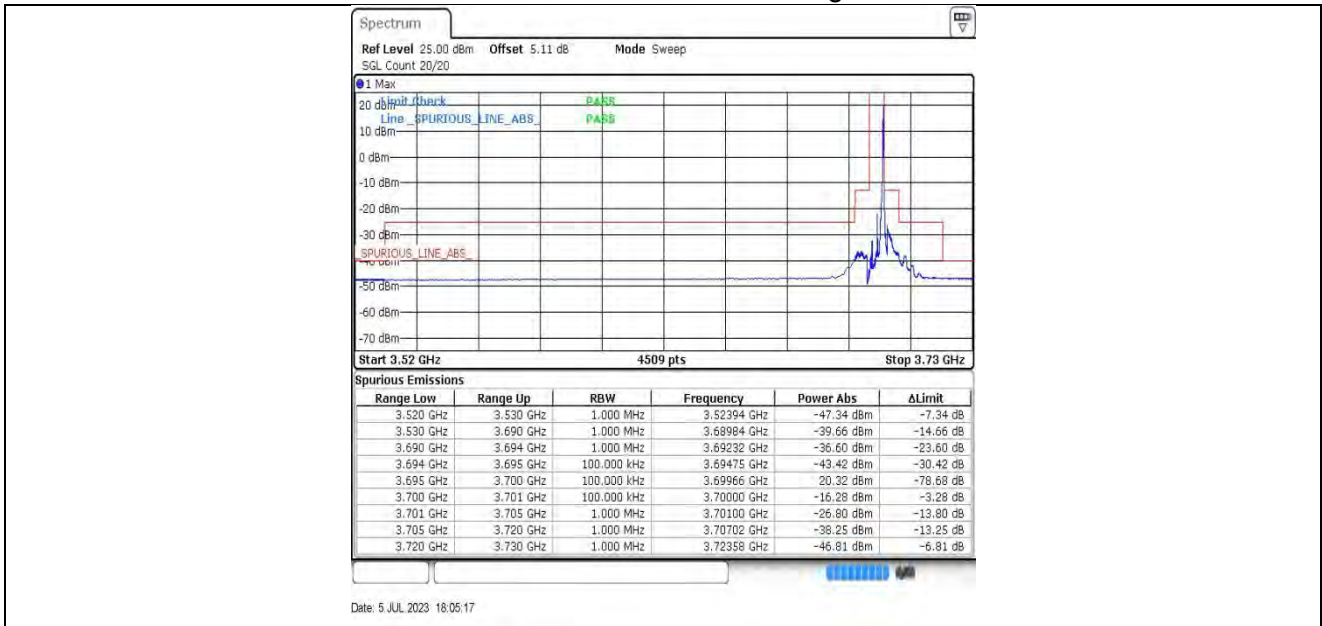


5MHz-55265

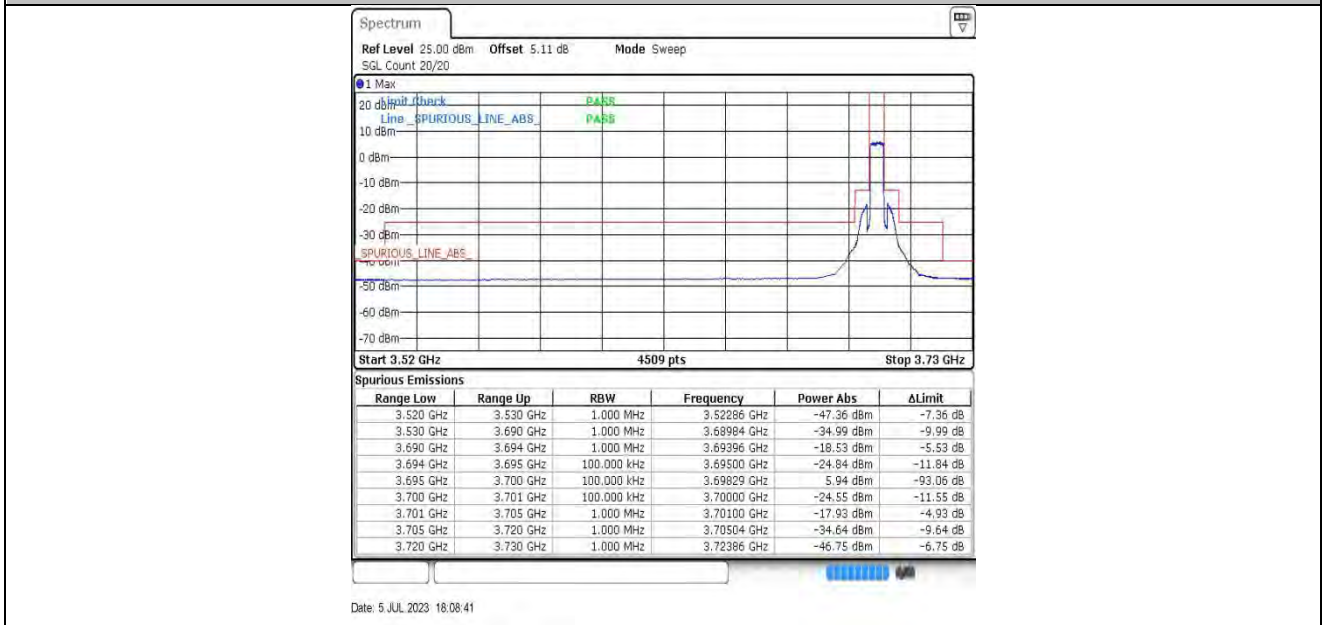


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5MHz-56715



5MHz-56715



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10MHz-55290



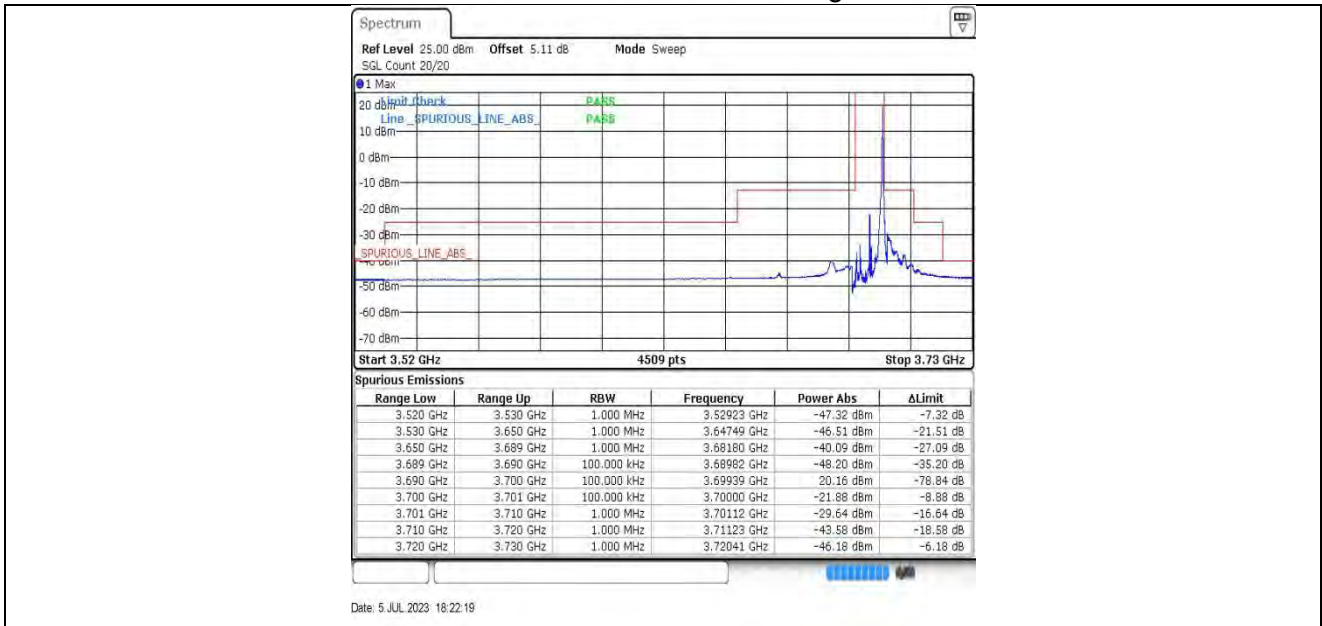
10MHz-55290



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10MHz-56690



10MHz-56690



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15MHz-55315



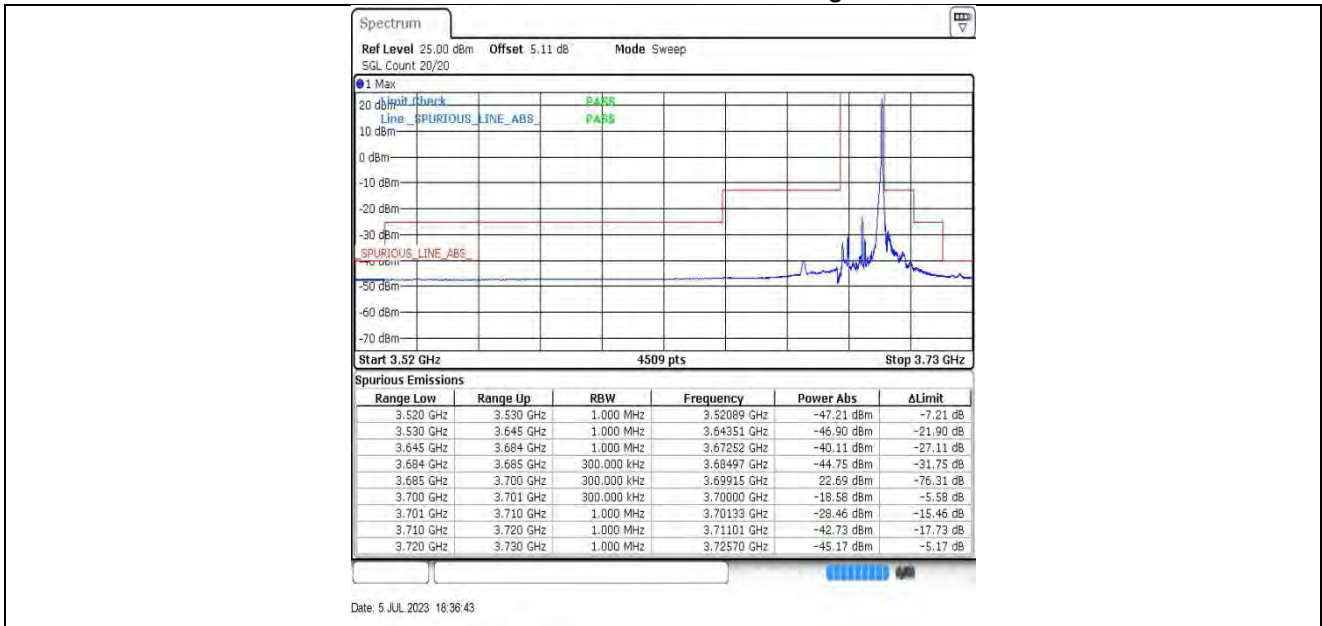
15MHz-55315



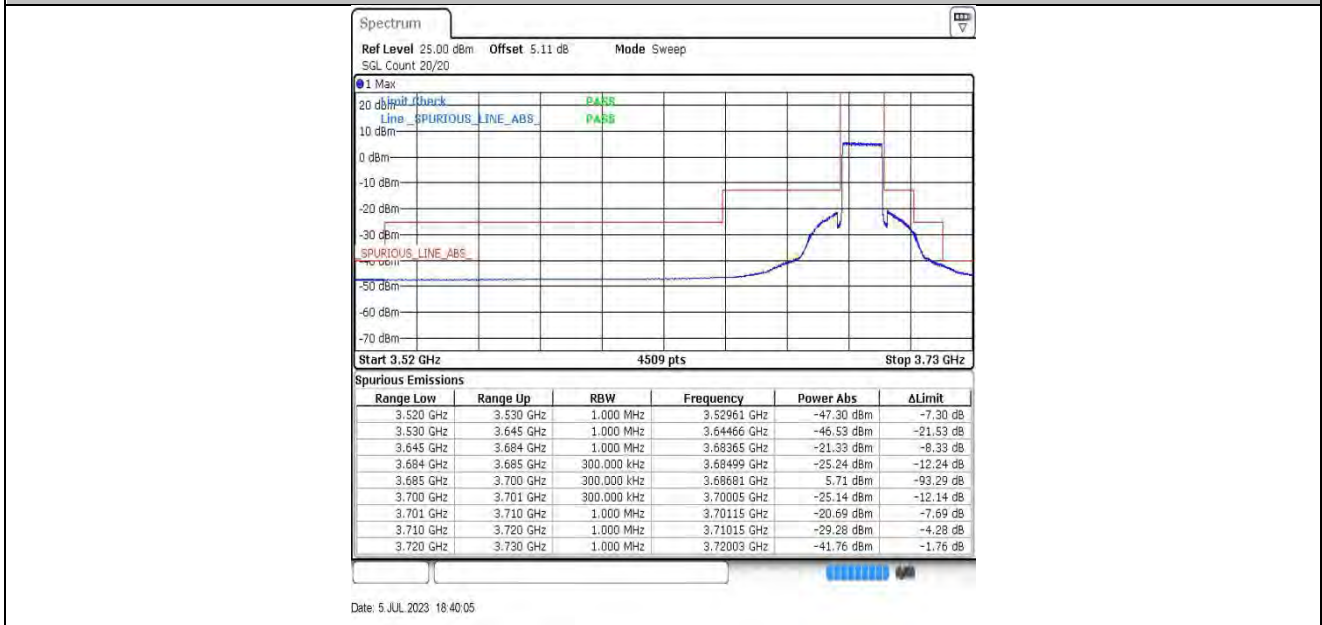
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15MHz-56665



15MHz-56665



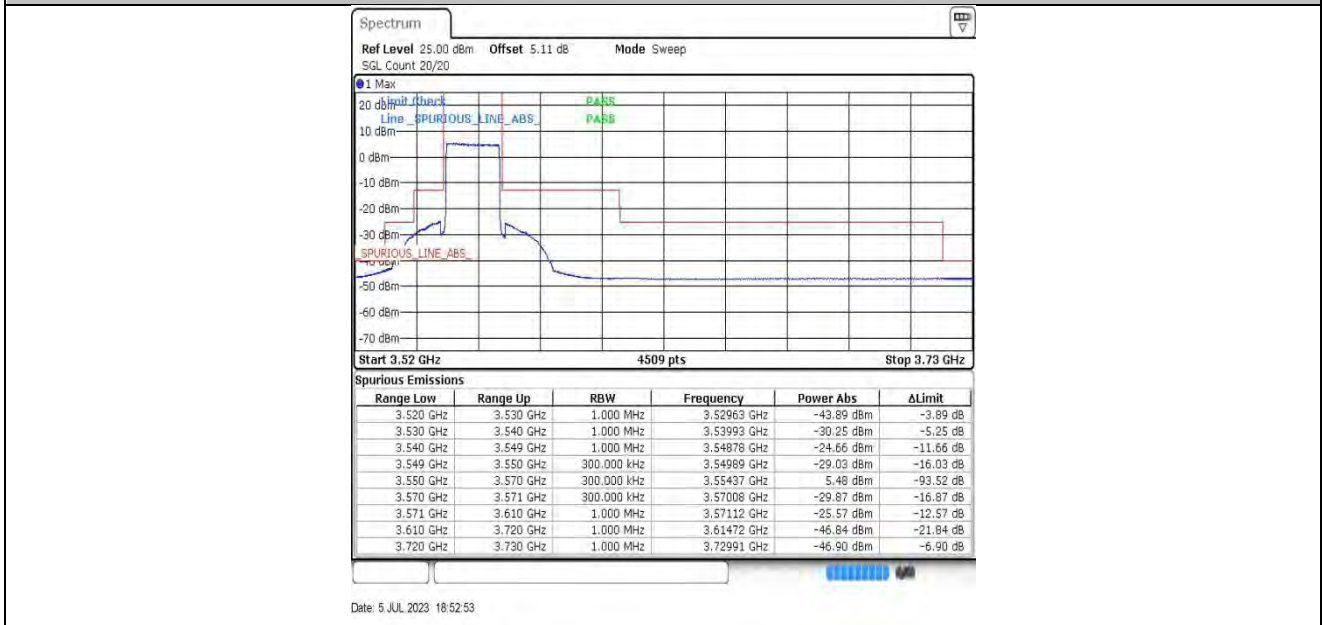
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20MHz-55340



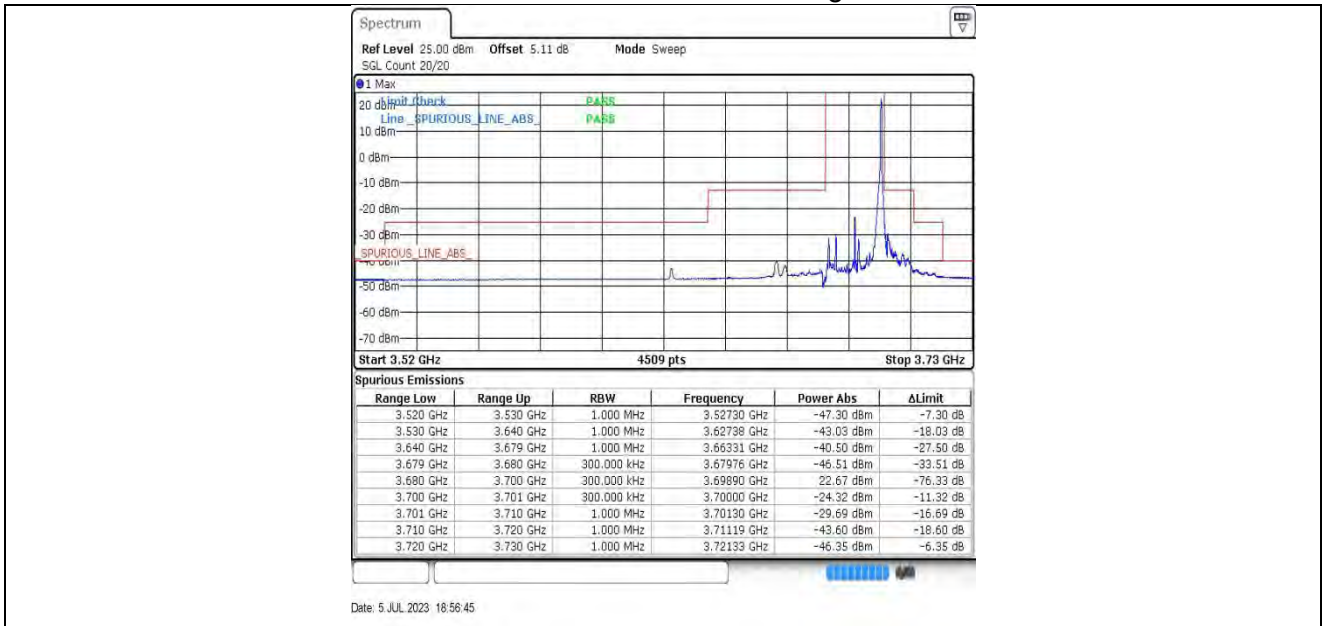
20MHz-55340



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20MHz-56640



20MHz-56640



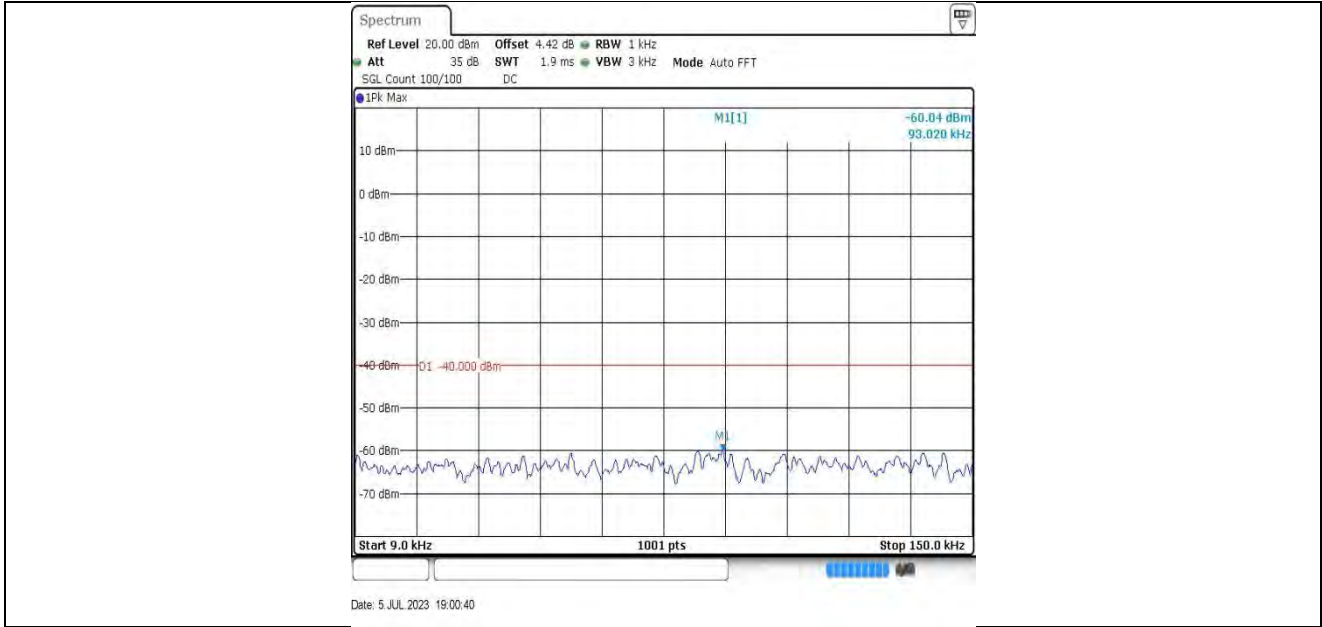
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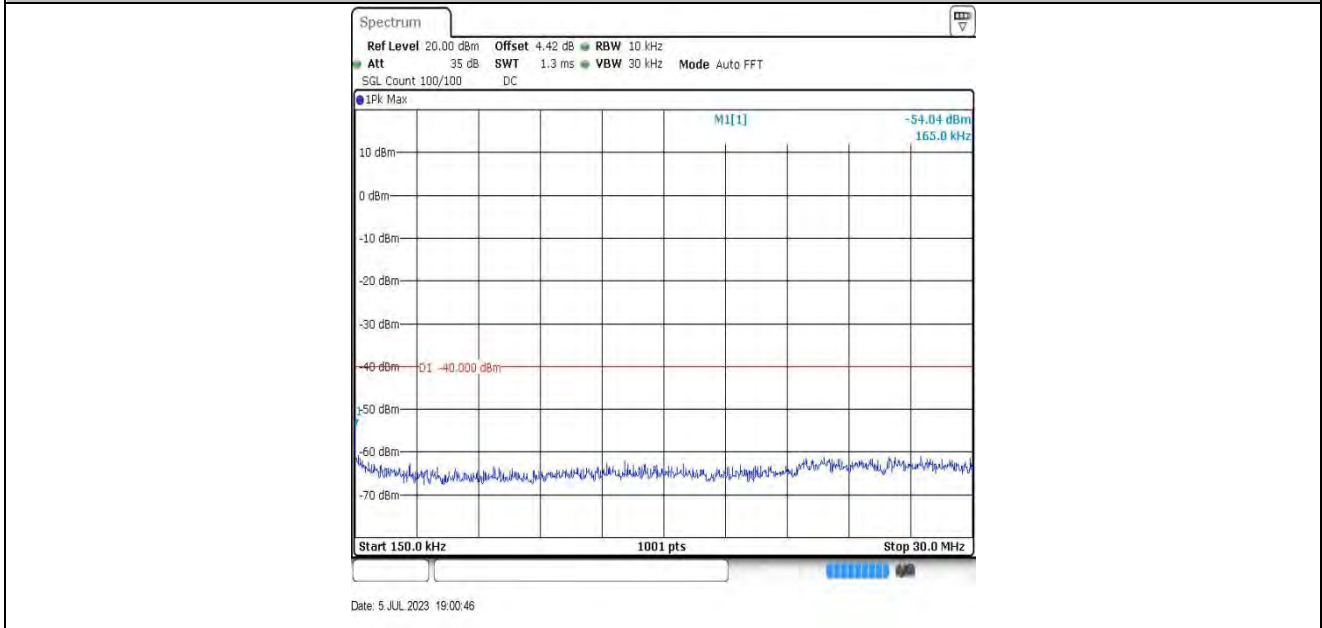
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Conducted Spurious Emission

Test Graphs



20MHz-55340

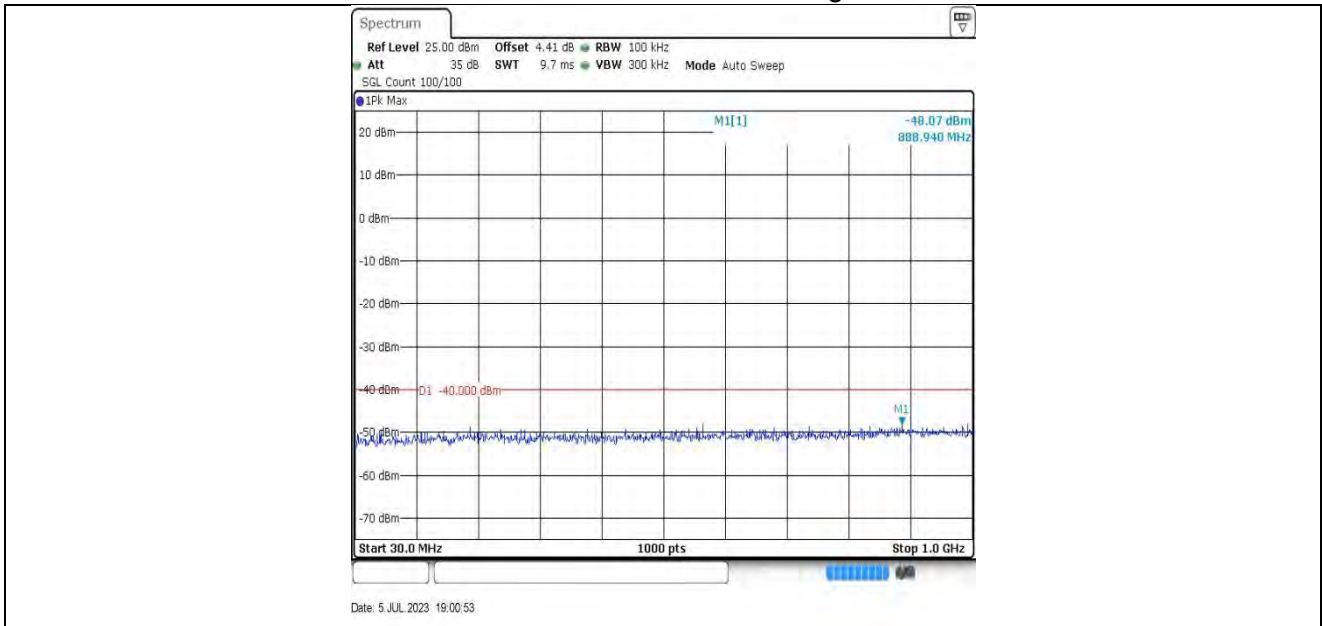


20MHz-55340

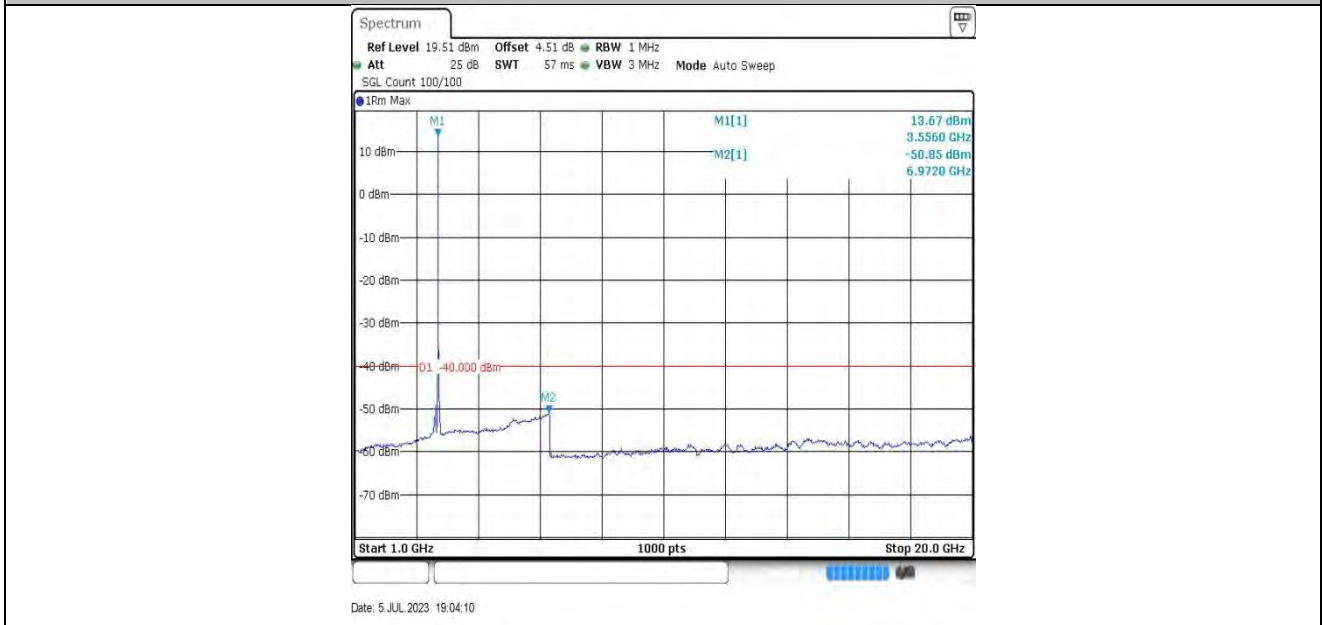


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20MHz-55340



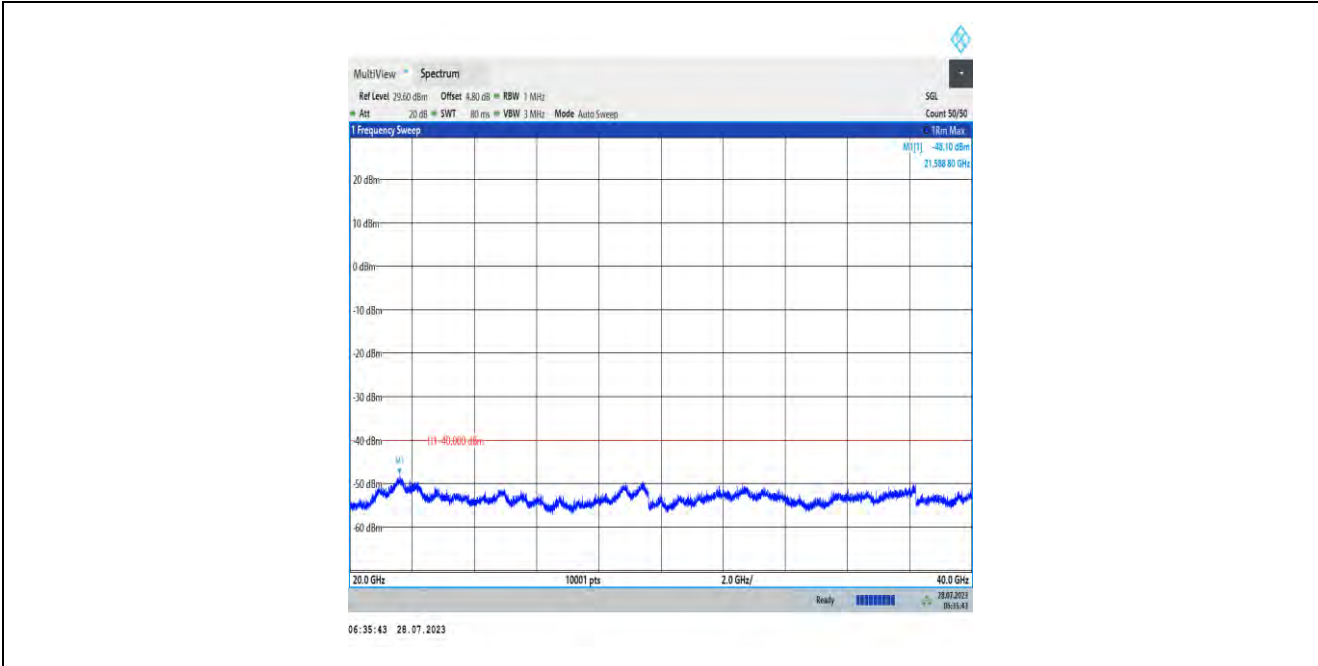
20MHz-55340



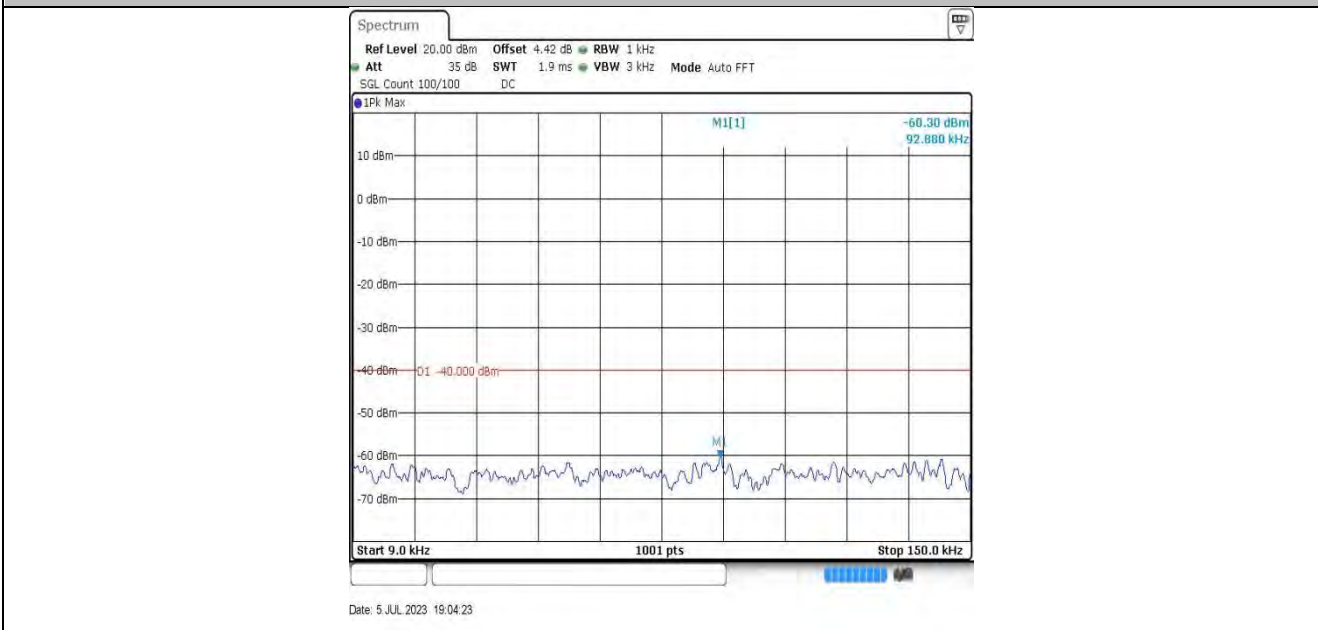
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20MHz-55340



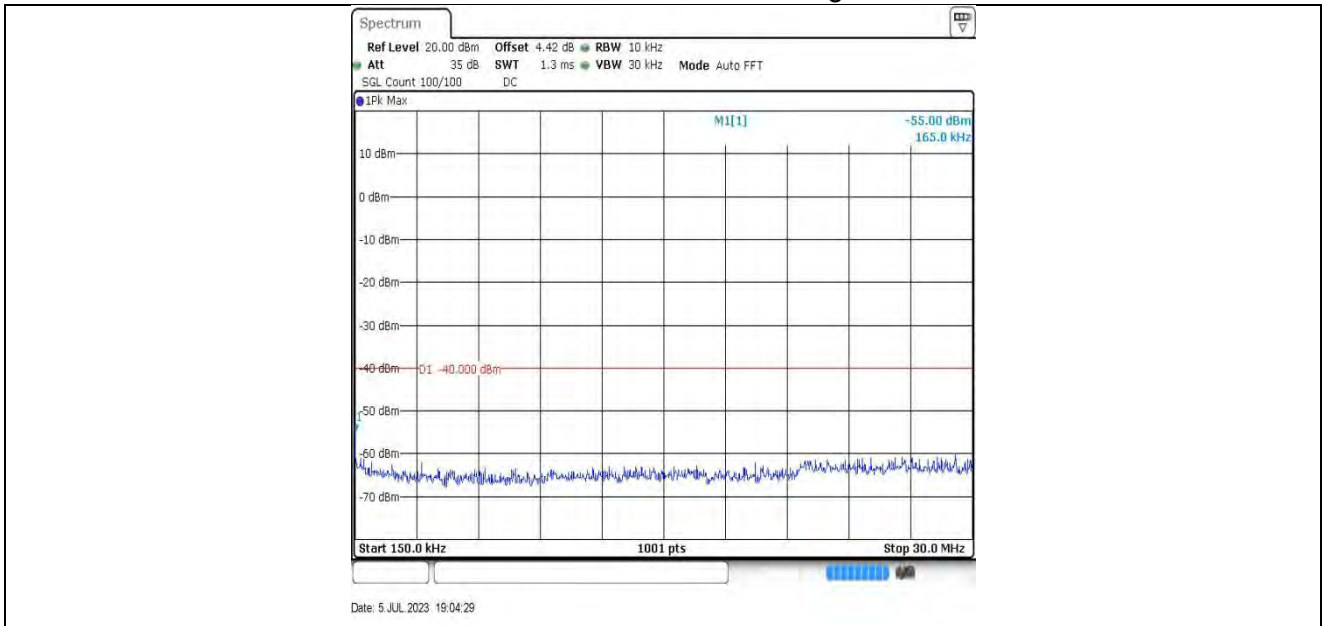
20MHz-55990



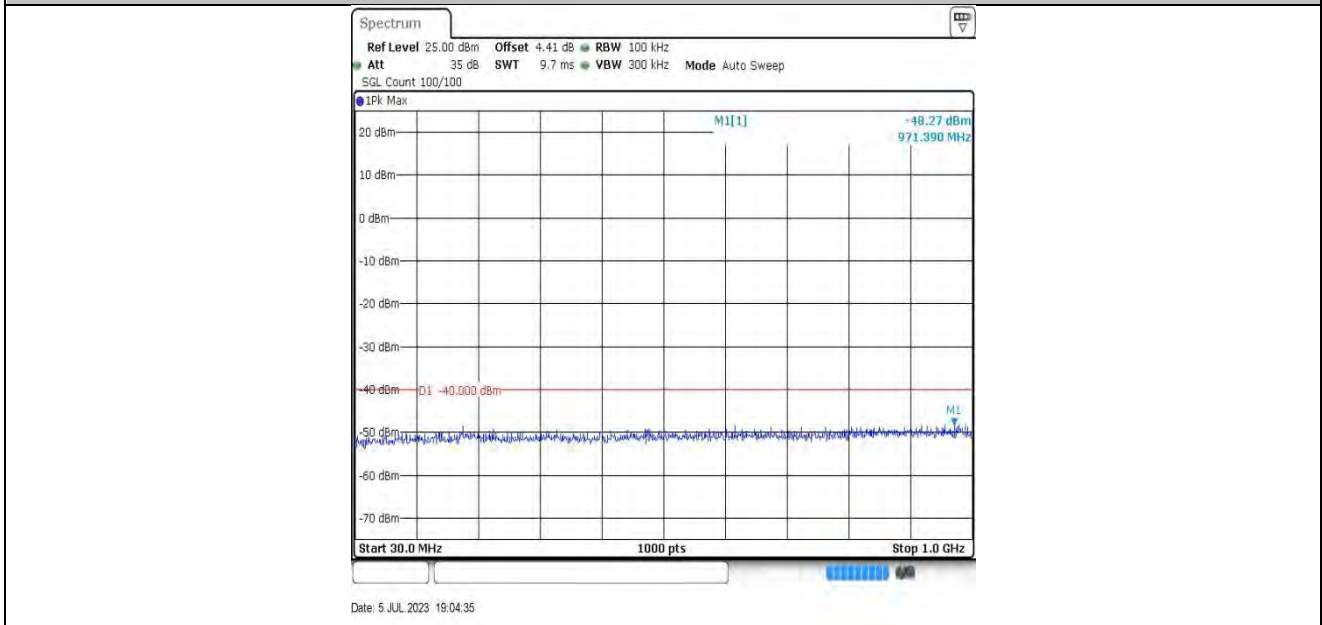
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20MHz-55990



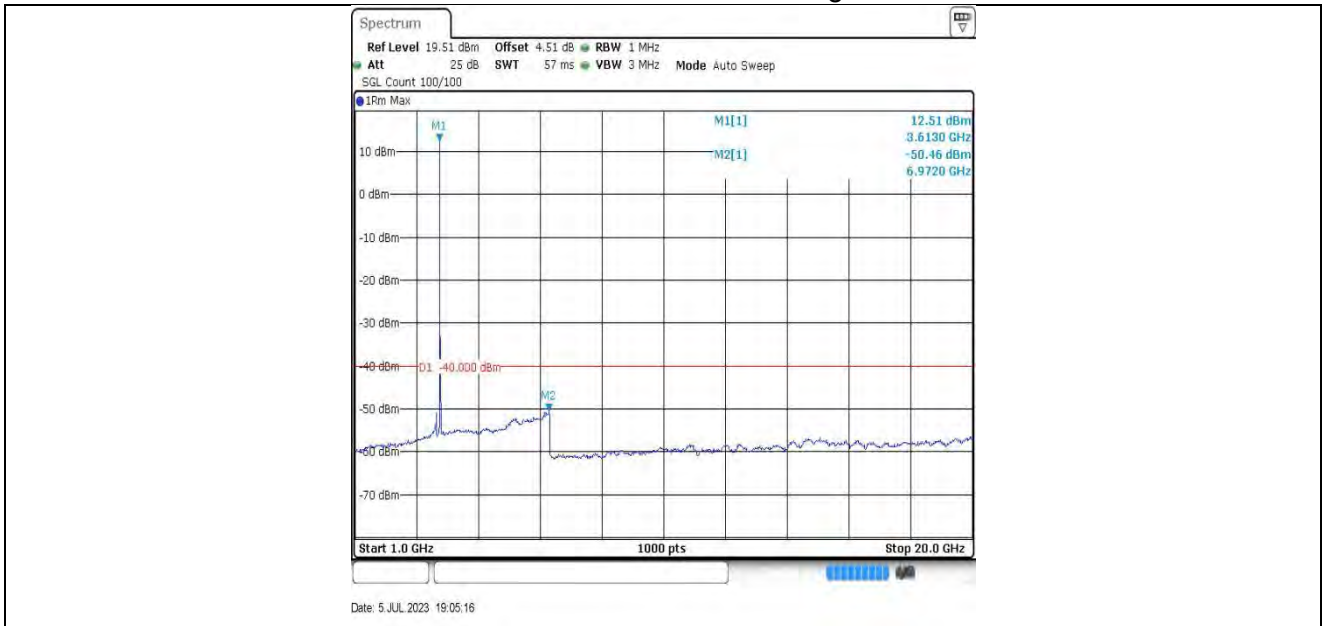
20MHz-55990



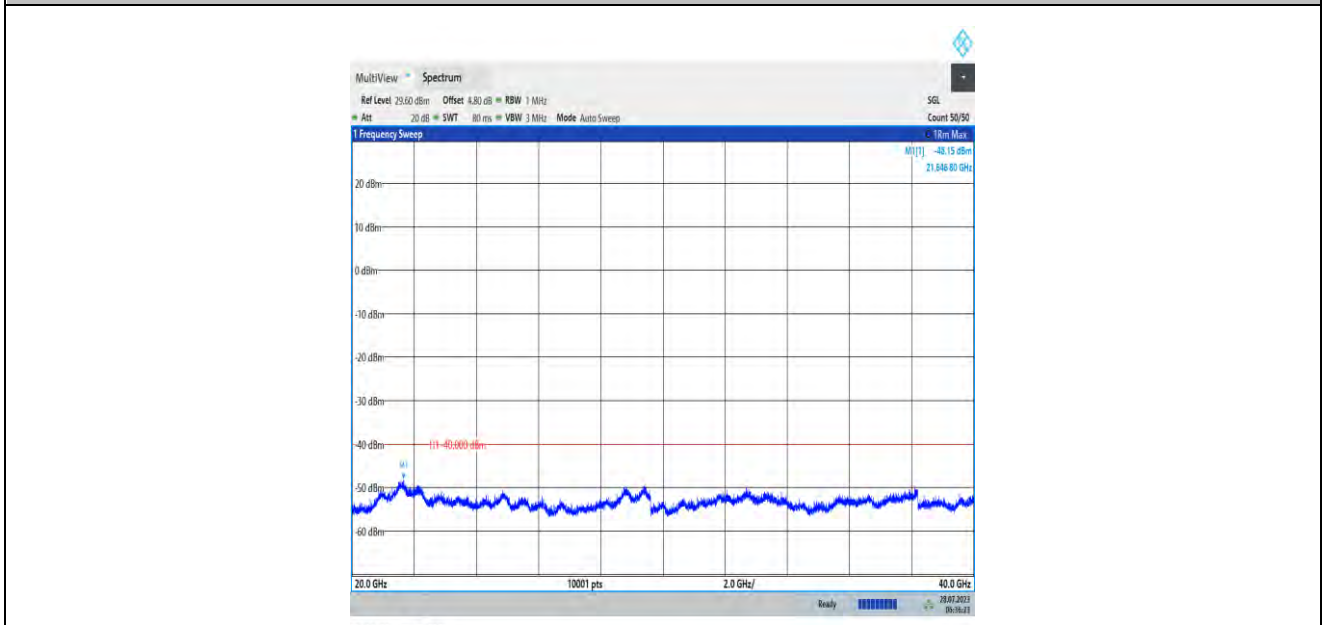
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20MHz-55990

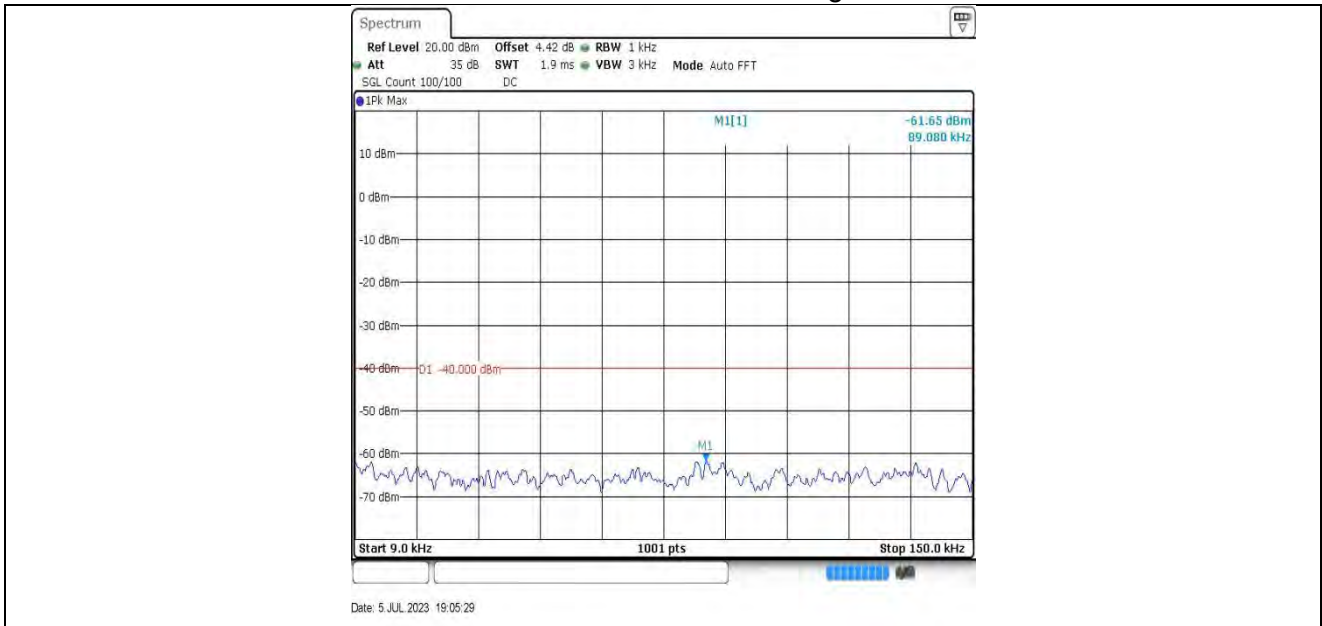


20MHz-55990

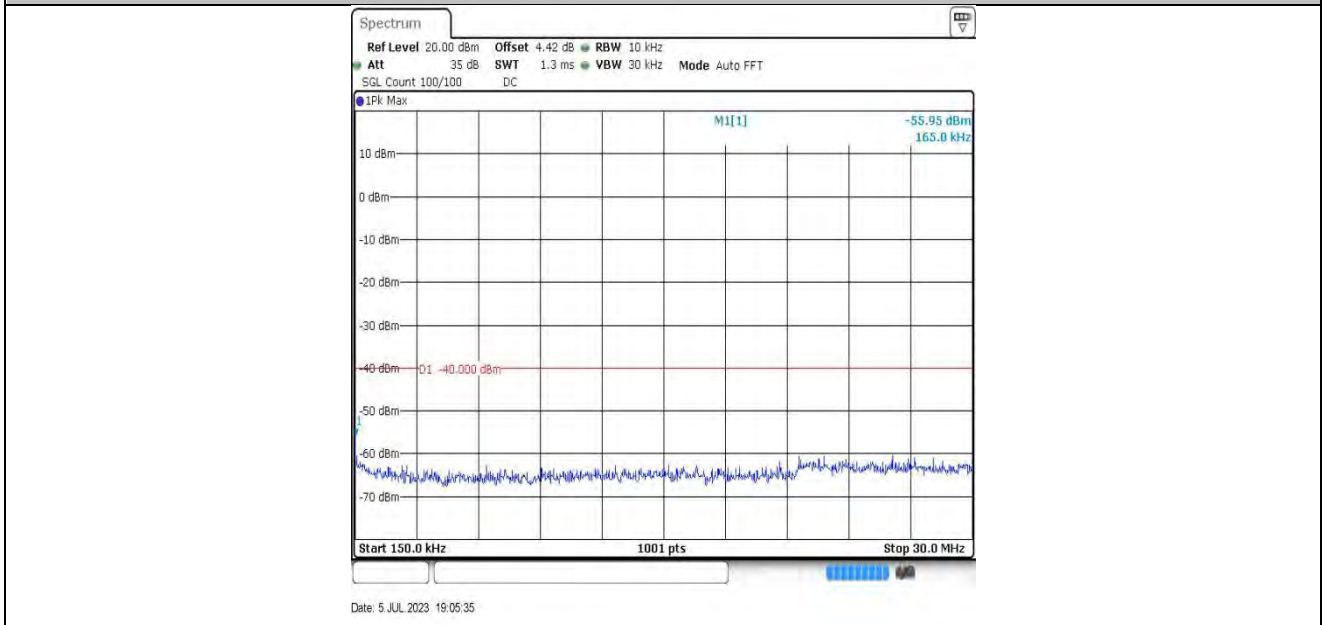


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20MHz-56640



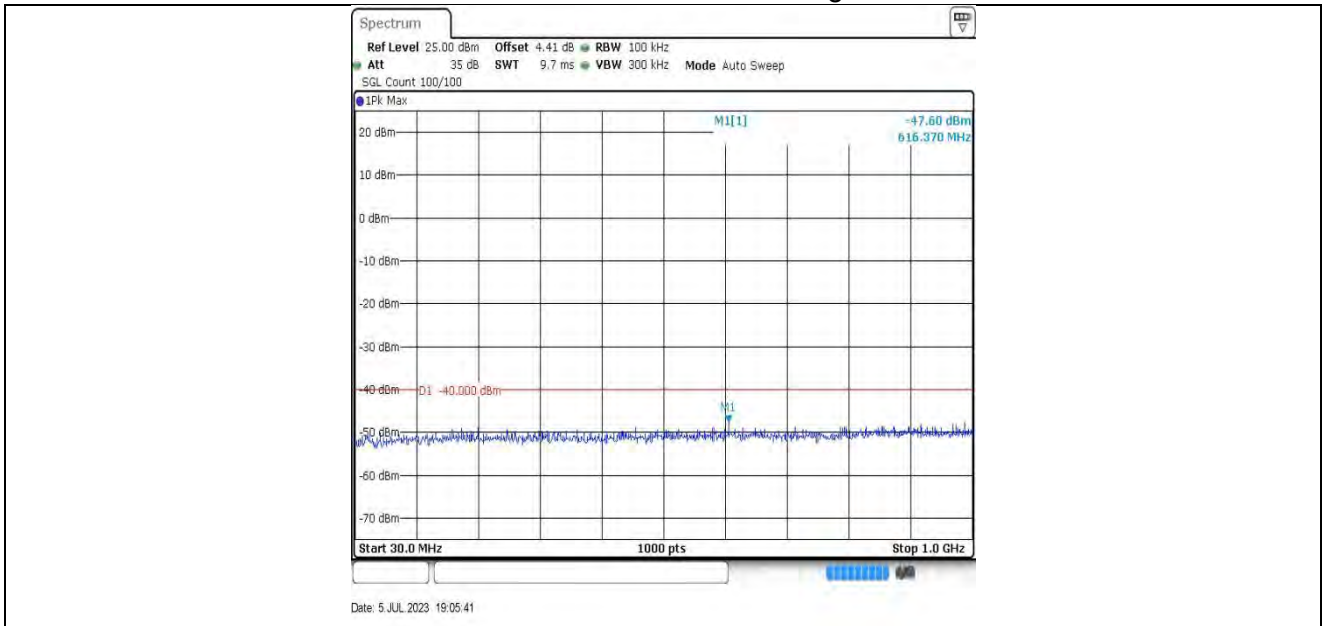
20MHz-56640



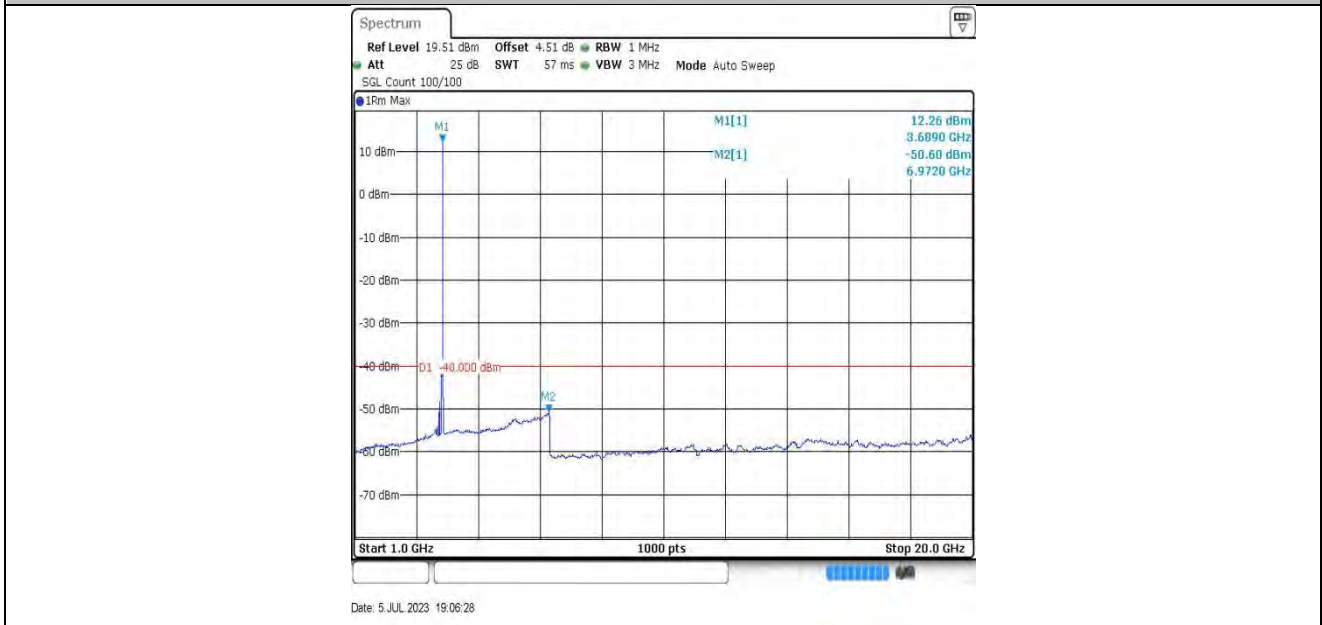
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20MHz-56640



20MHz-56640



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Field Strength of Spurious Radiation

Test Band = LTE Band48_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7688.525	39.74	-42.93	36.68	-61.77	-40.00	21.77	Horizontal
2	8620.025	37.44	-40.98	36.49	-62.31	-40.00	22.31	Horizontal
3	9124.875	35.91	-40.30	36.54	-63.11	-40.00	23.11	Horizontal
4	10112.725	33.38	-38.77	38.26	-62.40	-40.00	22.40	Horizontal
5	11211.55	30.66	-36.67	38.72	-62.55	-40.00	22.55	Horizontal
6	12319	29.26	-36.71	38.90	-63.81	-40.00	23.81	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7374	40.24	-42.93	36.25	-61.70	-40.00	21.70	Vertical
2	8618.3	37.55	-40.97	36.49	-62.19	-40.00	22.19	Vertical
3	9611.9	35.19	-39.23	37.46	-61.84	-40.00	21.84	Vertical
4	10634.825	32.20	-37.83	38.52	-62.37	-40.00	22.37	Vertical
5	12190.2	29.80	-37.12	38.86	-63.72	-40.00	23.72	Vertical
6	13847.925	29.12	-35.92	40.63	-61.44	-40.00	21.44	Vertical



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Test Band = LTE Band48_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7659.775	39.57	-42.87	36.66	-61.89	-40.00	21.89	Horizontal
2	8547.575	38.27	-41.37	36.53	-61.83	-40.00	21.83	Horizontal
3	10021.875	33.68	-39.23	38.21	-62.60	-40.00	22.60	Horizontal
4	11208.675	30.53	-36.65	38.72	-62.66	-40.00	22.66	Horizontal
5	12873.3	28.91	-36.80	39.06	-64.09	-40.00	24.09	Horizontal
6	14524.125	27.26	-34.50	41.11	-61.39	-40.00	21.39	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7447.025	39.96	-42.97	36.45	-61.82	-40.00	21.82	Vertical
2	8961	36.94	-40.89	36.32	-62.89	-40.00	22.89	Vertical
3	9687.8	34.09	-39.45	37.61	-63.01	-40.00	23.01	Vertical
4	11445.575	30.96	-37.05	38.74	-62.61	-40.00	22.61	Vertical
5	12873.3	29.30	-36.80	39.06	-63.70	-40.00	23.70	Vertical
6	14770.225	26.69	-34.93	41.21	-62.29	-40.00	22.29	Vertical



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Test Band = LTE Band48_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7688.525	39.95	-42.93	36.68	-61.56	-40.00	21.56	Horizontal
2	8818.4	37.14	-41.10	36.39	-62.83	-40.00	22.83	Horizontal
3	9607.875	35.16	-39.22	37.45	-61.87	-40.00	21.87	Horizontal
4	10713.6	31.59	-37.62	38.56	-62.74	-40.00	22.74	Horizontal
5	14633.375	27.59	-35.15	41.15	-61.67	-40.00	21.67	Horizontal
6	16330.2	28.51	-34.57	40.22	-61.09	-40.00	21.09	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8020.875	38.36	-41.97	36.79	-62.08	-40.00	22.08	Vertical
2	9123.15	36.16	-40.30	36.53	-62.87	-40.00	22.87	Vertical
3	9680.9	33.80	-39.43	37.59	-63.29	-40.00	23.29	Vertical
4	11140.25	31.62	-37.29	38.71	-62.21	-40.00	22.21	Vertical
5	12273	28.69	-36.77	38.88	-64.46	-40.00	24.46	Vertical
6	13919.225	28.15	-35.42	40.75	-61.77	-40.00	21.77	Vertical



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Test Band = LTE 48A_66A_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7451.05	39.65	-42.98	36.46	-62.13	-40.00	22.13	Horizontal
2	8411.875	38.47	-41.42	36.59	-61.62	-40.00	21.62	Horizontal
3	10009.8	32.70	-39.31	38.20	-63.67	-40.00	23.67	Horizontal
4	10652.65	30.64	-37.74	38.53	-63.83	-40.00	23.83	Horizontal
5	12029.2	27.41	-37.18	38.81	-66.22	-40.00	26.22	Horizontal
6	15154.9	26.05	-34.08	40.97	-62.32	-40.00	22.32	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7521.775	39.14	-43.08	36.61	-62.59	-40.00	22.59	Vertical
2	8931.1	36.47	-40.90	36.33	-63.35	-40.00	23.35	Vertical
3	9595.8	34.79	-39.23	37.43	-62.27	-40.00	22.27	Vertical
4	11139.675	29.69	-37.29	38.71	-64.15	-40.00	24.15	Vertical
5	12234.475	27.65	-36.95	38.87	-65.69	-40.00	25.69	Vertical
6	14632.8	26.43	-35.16	41.15	-62.83	-40.00	22.83	Vertical



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Test Band = LTE 48A_66A_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7656.9	39.82	-42.86	36.66	-61.64	-40.00	21.64	Horizontal
2	9560.725	34.71	-39.50	37.37	-62.68	-40.00	22.68	Horizontal
3	10351.925	31.91	-38.84	38.38	-63.81	-40.00	23.81	Horizontal
4	12197.1	28.39	-37.11	38.86	-65.12	-40.00	25.12	Horizontal
5	15319.925	25.63	-33.95	40.63	-62.95	-40.00	22.95	Horizontal
6	16629.775	28.14	-34.62	41.15	-60.58	-40.00	20.58	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7245.2	39.67	-43.48	35.89	-63.19	-40.00	23.19	Vertical
2	8403.25	38.22	-41.38	36.60	-61.83	-40.00	21.83	Vertical
3	9599.825	34.38	-39.20	37.44	-62.64	-40.00	22.64	Vertical
4	11139.675	28.94	-37.29	38.71	-64.90	-40.00	24.90	Vertical
5	12217.225	28.36	-37.03	38.87	-65.06	-40.00	25.06	Vertical
6	14494.225	25.44	-34.28	41.10	-63.00	-40.00	23.00	Vertical



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Test Band = LTE 48A_66A_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7436.1	39.73	-42.93	36.42	-62.04	-40.00	22.04	Horizontal
2	8426.825	38.67	-41.49	36.59	-61.49	-40.00	21.49	Horizontal
3	9602.7	34.76	-39.21	37.45	-62.26	-40.00	22.26	Horizontal
4	10335.825	32.03	-38.88	38.37	-63.74	-40.00	23.74	Horizontal
5	11152.325	29.79	-37.15	38.72	-63.90	-40.00	23.90	Horizontal
6	12838.8	28.01	-36.72	39.05	-64.92	-40.00	24.92	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	6997.95	40.57	-43.01	35.20	-62.50	-40.00	22.50	Vertical
2	7797.2	38.62	-42.59	36.72	-62.51	-40.00	22.51	Vertical
3	8433.15	38.64	-41.51	36.58	-61.55	-40.00	21.55	Vertical
4	9602.7	34.64	-39.21	37.45	-62.38	-40.00	22.38	Vertical
5	10675.65	30.21	-37.62	38.54	-64.13	-40.00	24.13	Vertical
6	13846.775	27.77	-35.93	40.62	-62.80	-40.00	22.80	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamp (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band48	20MHz	QPSK	55990	100RB#0	VN	NT	5.20	0.001434	PASS
Band48	20MHz	QPSK	55990	100RB#0	VL	NT	-1.20	-0.000331	PASS
Band48	20MHz	QPSK	55990	100RB#0	VH	NT	-2.90	-0.000800	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band48	20MHz	QPSK	55990	100RB#0	NV	-30	-4.00	-0.001103	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	-20	-3.60	-0.000993	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	0	-6.80	-0.001876	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	10	-37.90	-0.010455	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	20	-13.30	-0.003669	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	30	-4.20	-0.001159	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	40	-2.60	-0.000717	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	50	9.20	0.002538	PASS

---End of Attachment---



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