



Appendix B.2

LTE Band 5



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Effective (Isotropic) Radiated Power Output Data for

ZEWM2306000857RG01

Test Result

ANT7

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.89	25.14	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.86	25.11	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.91	25.16	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.81	24.06	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.88	25.13	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.96	25.21	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.88	25.13	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.90	24.15	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.79	25.04	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.90	25.15	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.81	25.06	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.83	24.08	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.02	24.27	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.02	24.27	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.14	24.39	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.84	23.09	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.14	24.39	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.16	24.41	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.19	24.44	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.93	23.18	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.09	24.34	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.09	24.34	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.08	24.33	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.90	23.15	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.78	23.03	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	21.82	23.07	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	21.90	23.15	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	20.64	21.89	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	21.97	23.22	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	21.90	23.15	38.45	PASS



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Band5	1.4MHz	64QAM	20525	1RB#5	21.87	23.12	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.63	21.88	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	21.77	23.02	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	21.79	23.04	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	21.80	23.05	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20.56	21.81	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#0	19.25	20.50	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#2	19.21	20.46	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#5	19.26	20.51	38.45	PASS
Band5	1.4MHz	256QAM	20407	6RB#0	19.02	20.27	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#0	19.31	20.56	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#2	19.36	20.61	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#5	19.24	20.49	38.45	PASS
Band5	1.4MHz	256QAM	20525	6RB#0	19.08	20.33	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#0	19.25	20.50	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#2	19.23	20.48	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#5	19.19	20.44	38.45	PASS
Band5	1.4MHz	256QAM	20643	6RB#0	18.97	20.22	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.81	25.06	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.87	25.12	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.99	25.24	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.83	24.08	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.93	25.18	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.86	25.11	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.89	25.14	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.86	24.11	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.83	25.08	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.83	25.08	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.84	25.09	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.83	24.08	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.03	24.28	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.00	24.25	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.05	24.30	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.82	23.07	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.12	24.37	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.04	24.29	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.19	24.44	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.84	23.09	38.45	PASS



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Band5	3MHz	16QAM	20635	1RB#0	23.11	24.36	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.97	24.22	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.09	24.34	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.83	23.08	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	21.75	23.00	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	21.74	22.99	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	21.81	23.06	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.70	21.95	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	21.92	23.17	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	21.84	23.09	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.93	23.18	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.70	21.95	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.78	23.03	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	21.79	23.04	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.84	23.09	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	20.67	21.92	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#0	19.19	20.44	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#8	19.31	20.56	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#14	19.32	20.57	38.45	PASS
Band5	3MHz	256QAM	20415	15RB#0	18.90	20.15	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#0	19.27	20.52	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#8	19.23	20.48	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#14	19.21	20.46	38.45	PASS
Band5	3MHz	256QAM	20525	15RB#0	19.02	20.27	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#0	19.16	20.41	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#8	19.21	20.46	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#14	19.13	20.38	38.45	PASS
Band5	3MHz	256QAM	20635	15RB#0	18.63	19.88	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.91	25.16	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.89	25.14	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	24.05	25.30	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.88	24.13	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.01	25.26	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.97	25.22	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.89	25.14	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.89	24.14	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.95	25.20	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.98	25.23	38.45	PASS



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Band5	5MHz	QPSK	20625	1RB#24	23.91	25.16	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.93	24.18	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.13	24.38	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.10	24.35	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.24	24.49	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.85	23.10	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.23	24.48	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.17	24.42	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.28	24.53	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.87	23.12	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.12	24.37	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.23	24.48	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.21	24.46	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.86	23.11	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.80	23.05	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	21.78	23.03	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	22.06	23.31	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.69	21.94	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	22.01	23.26	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	21.96	23.21	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	21.93	23.18	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.69	21.94	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	21.93	23.18	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	21.96	23.21	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	21.94	23.19	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	20.70	21.95	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#0	19.34	20.59	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#12	19.33	20.58	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#24	19.32	20.57	38.45	PASS
Band5	5MHz	256QAM	20425	25RB#0	18.88	20.13	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#0	19.33	20.58	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#12	19.32	20.57	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#24	19.33	20.58	38.45	PASS
Band5	5MHz	256QAM	20525	25RB#0	18.72	19.97	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#0	19.26	20.51	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#12	19.29	20.54	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#24	19.22	20.47	38.45	PASS
Band5	5MHz	256QAM	20625	25RB#0	19.01	20.26	38.45	PASS



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Band5	10MHz	QPSK	20450	1RB#0	23.91	25.16	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.97	25.22	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	24.01	25.26	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.93	24.18	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	24.03	25.28	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.96	25.21	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.86	25.11	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.91	24.16	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.87	25.12	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.87	25.12	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.94	25.19	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.80	24.05	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.04	24.29	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.09	24.34	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.17	24.42	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.88	23.13	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.13	24.38	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.17	24.42	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.02	24.27	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.85	23.10	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.11	24.36	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.08	24.33	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.12	24.37	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.76	23.01	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	21.78	23.03	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	21.98	23.23	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	22.00	23.25	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.77	22.02	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	22.03	23.28	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	21.97	23.22	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	21.84	23.09	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.73	21.98	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	21.89	23.14	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.82	23.07	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.83	23.08	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.60	21.85	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#0	19.34	20.59	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#24	19.22	20.47	38.45	PASS



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Band5	10MHz	256QAM	20450	1RB#49	19.25	20.50	38.45	PASS
Band5	10MHz	256QAM	20450	50RB#0	18.97	20.22	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#0	19.23	20.48	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#24	19.37	20.62	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#49	19.22	20.47	38.45	PASS
Band5	10MHz	256QAM	20525	50RB#0	18.81	20.06	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#0	19.27	20.52	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#24	19.25	20.50	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#49	19.15	20.40	38.45	PASS
Band5	10MHz	256QAM	20600	50RB#0	18.69	19.94	38.45	PASS



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Effective (Isotropic) Radiated Power Output Data for

ZEWM2306000856RG01

Test Result

ANT7

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	24.07	25.32	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.89	25.14	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.84	25.09	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.84	24.09	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.95	25.20	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	24.08	25.33	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.75	25.00	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.91	24.16	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.98	25.23	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	24.04	25.29	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.86	25.11	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.66	23.91	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.05	24.30	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.94	24.19	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.21	24.46	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.01	23.26	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.27	24.52	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.34	24.59	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.14	24.39	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.05	23.30	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.20	24.45	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.09	24.34	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.21	24.46	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.94	23.19	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.97	23.22	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	21.88	23.13	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	22.05	23.30	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	20.54	21.79	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	22.12	23.37	38.45	PASS



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Band5	1.4MHz	64QAM	20525	1RB#2	21.95	23.20	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	22.05	23.30	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.66	21.91	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	21.94	23.19	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	21.73	22.98	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	21.73	22.98	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20.67	21.92	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#0	19.26	20.51	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#2	19.31	20.56	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#5	19.15	20.40	38.45	PASS
Band5	1.4MHz	256QAM	20407	6RB#0	19.09	20.34	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#0	19.32	20.57	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#2	19.52	20.77	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#5	19.11	20.36	38.45	PASS
Band5	1.4MHz	256QAM	20525	6RB#0	19.19	20.44	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#0	19.36	20.61	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#2	19.39	20.64	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#5	19.36	20.61	38.45	PASS
Band5	1.4MHz	256QAM	20643	6RB#0	19.15	20.40	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.63	24.88	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.84	25.09	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	24.00	25.25	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.99	24.24	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	24.03	25.28	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.69	24.94	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.93	25.18	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.05	24.30	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.87	25.12	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.95	25.20	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.90	25.15	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	23.01	24.26	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.85	24.10	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.10	24.35	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.09	24.34	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.91	23.16	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.21	24.46	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.99	24.24	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.30	24.55	38.45	PASS



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Band5	3MHz	16QAM	20525	15RB#0	21.99	23.24	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.25	24.50	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.04	24.29	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.20	24.45	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.93	23.18	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	21.89	23.14	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	21.62	22.87	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	21.87	23.12	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.85	22.10	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	21.94	23.19	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	21.91	23.16	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.95	23.20	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.72	21.97	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.83	23.08	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	21.71	22.96	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.77	23.02	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	20.59	21.84	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#0	19.35	20.60	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#8	19.39	20.64	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#14	19.19	20.44	38.45	PASS
Band5	3MHz	256QAM	20415	15RB#0	18.83	20.08	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#0	19.27	20.52	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#8	19.31	20.56	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#14	19.22	20.47	38.45	PASS
Band5	3MHz	256QAM	20525	15RB#0	19.14	20.39	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#0	19.20	20.45	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#8	19.14	20.39	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#14	19.32	20.57	38.45	PASS
Band5	3MHz	256QAM	20635	15RB#0	18.54	19.79	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.01	25.26	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.78	25.03	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	24.22	25.47	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.95	24.20	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.12	25.37	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.98	25.23	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	24.00	25.25	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.94	24.19	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	24.05	25.30	38.45	PASS



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Band5	5MHz	QPSK	20625	1RB#12	24.00	25.25	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	24.06	25.31	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.07	24.32	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.94	24.19	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.23	24.48	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.31	24.56	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.66	22.91	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.17	24.42	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.24	24.49	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.22	24.47	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.01	23.26	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.28	24.53	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.09	24.34	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.37	24.62	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.88	23.13	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.86	23.11	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	21.92	23.17	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	22.16	23.41	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.86	22.11	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	21.83	23.08	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	21.77	23.02	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	21.91	23.16	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.72	21.97	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	21.99	23.24	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	22.07	23.32	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	22.01	23.26	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	20.80	22.05	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#0	19.54	20.79	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#12	19.51	20.76	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#24	19.40	20.65	38.45	PASS
Band5	5MHz	256QAM	20425	25RB#0	19.02	20.27	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#0	19.45	20.70	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#12	19.21	20.46	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#24	19.47	20.72	38.45	PASS
Band5	5MHz	256QAM	20525	25RB#0	18.85	20.10	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#0	19.31	20.56	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#12	19.42	20.67	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#24	19.37	20.62	38.45	PASS



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Band5	5MHz	256QAM	20625	25RB#0	19.21	20.46	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.97	25.22	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.89	25.14	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	24.10	25.35	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.89	24.14	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	24.20	25.45	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.11	25.36	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.96	25.21	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	23.08	24.33	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	24.03	25.28	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.84	25.09	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.78	25.03	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.83	24.08	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.16	24.41	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.22	24.47	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.11	24.36	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.78	23.03	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.26	24.51	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.24	24.49	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.95	24.20	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.95	23.20	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.22	24.47	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.08	24.33	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.24	24.49	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.73	22.98	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	21.89	23.14	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	22.12	23.37	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	22.17	23.42	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.58	21.83	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	22.21	23.46	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	21.84	23.09	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	21.99	23.24	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.88	22.13	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	21.95	23.20	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.69	22.94	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.93	23.18	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.45	21.70	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#0	19.39	20.64	38.45	PASS



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Band5	10MHz	256QAM	20450	1RB#24	19.16	20.41	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#49	19.26	20.51	38.45	PASS
Band5	10MHz	256QAM	20450	50RB#0	19.13	20.38	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#0	19.40	20.65	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#24	19.24	20.49	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#49	19.11	20.36	38.45	PASS
Band5	10MHz	256QAM	20525	50RB#0	18.95	20.20	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#0	19.41	20.66	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#24	19.41	20.66	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#49	19.19	20.44	38.45	PASS
Band5	10MHz	256QAM	20600	50RB#0	18.82	20.07	38.45	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	5.22	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.83	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.86	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.83	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.38	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.38	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	5.94	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.43	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.43	13	PASS
Band5	10MHz	256QAM	20450	50RB#0	6.17	13	PASS
Band5	10MHz	256QAM	20525	50RB#0	6.38	13	PASS
Band5	10MHz	256QAM	20600	50RB#0	6.35	13	PASS

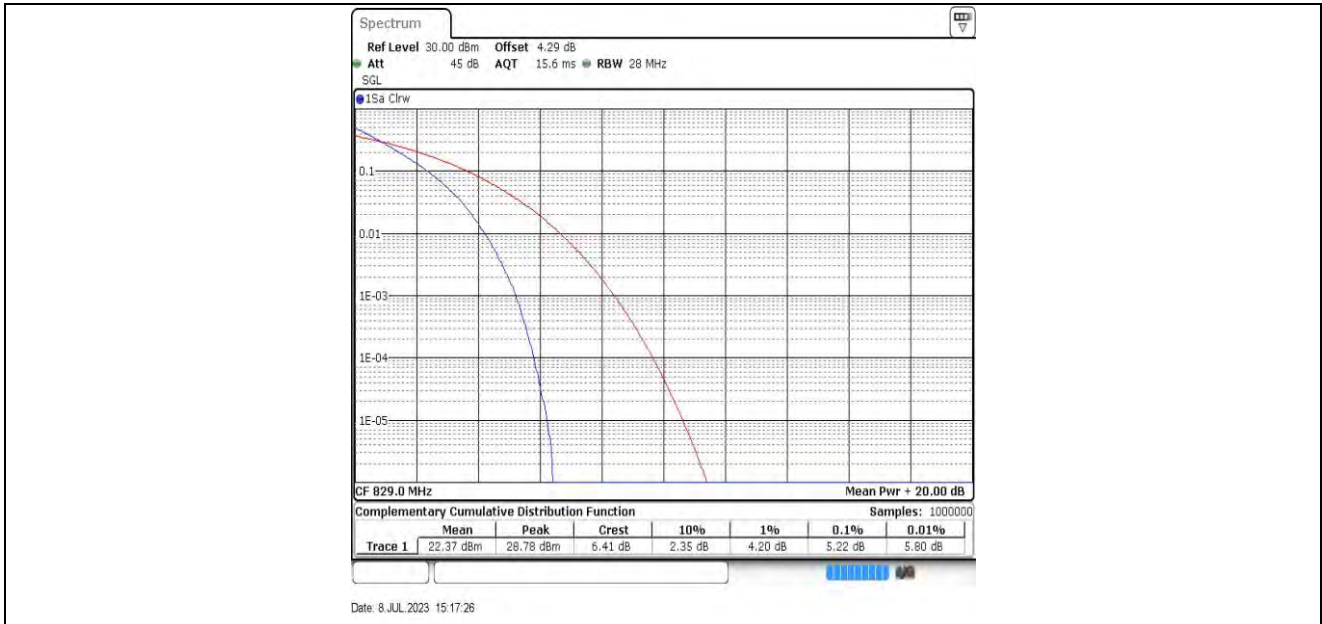


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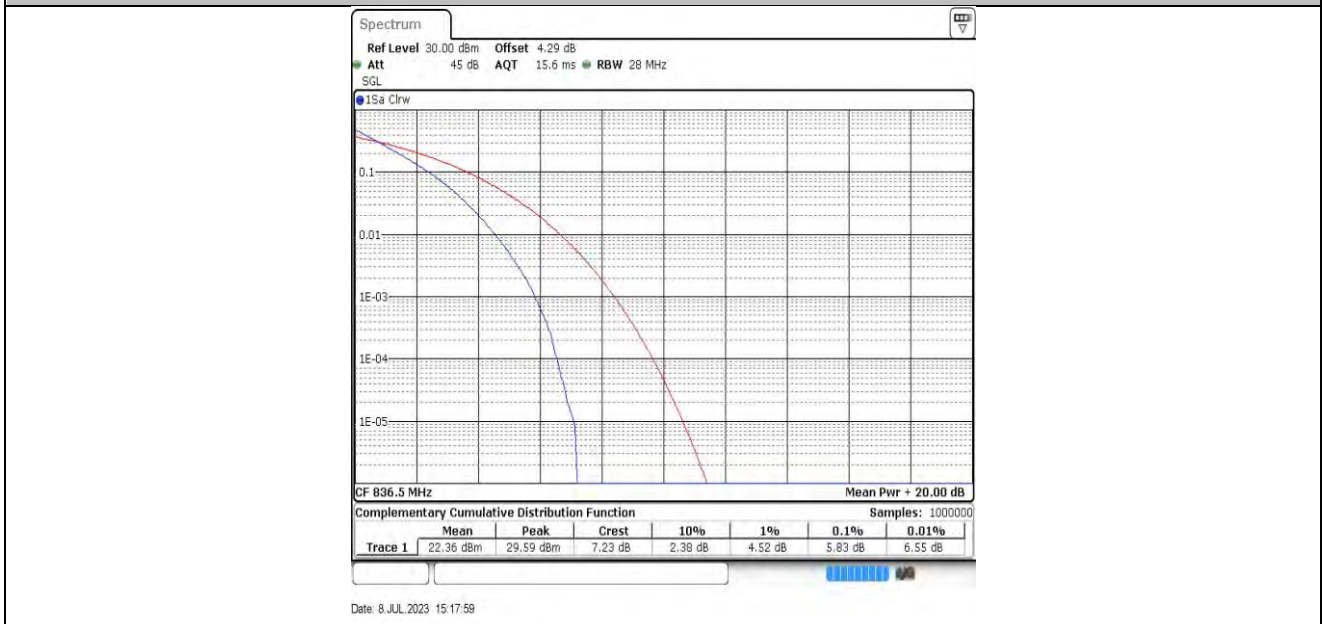
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Test Graphs



10MHz-20450 QPSK

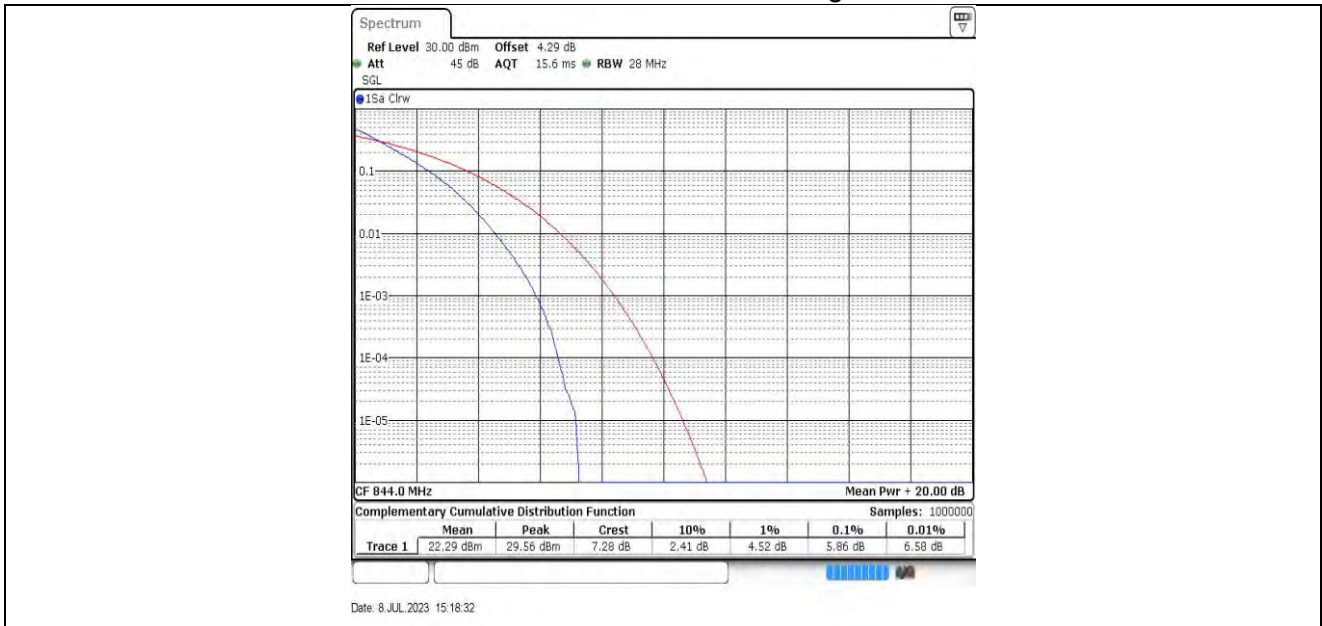


10MHz-20525 QPSK

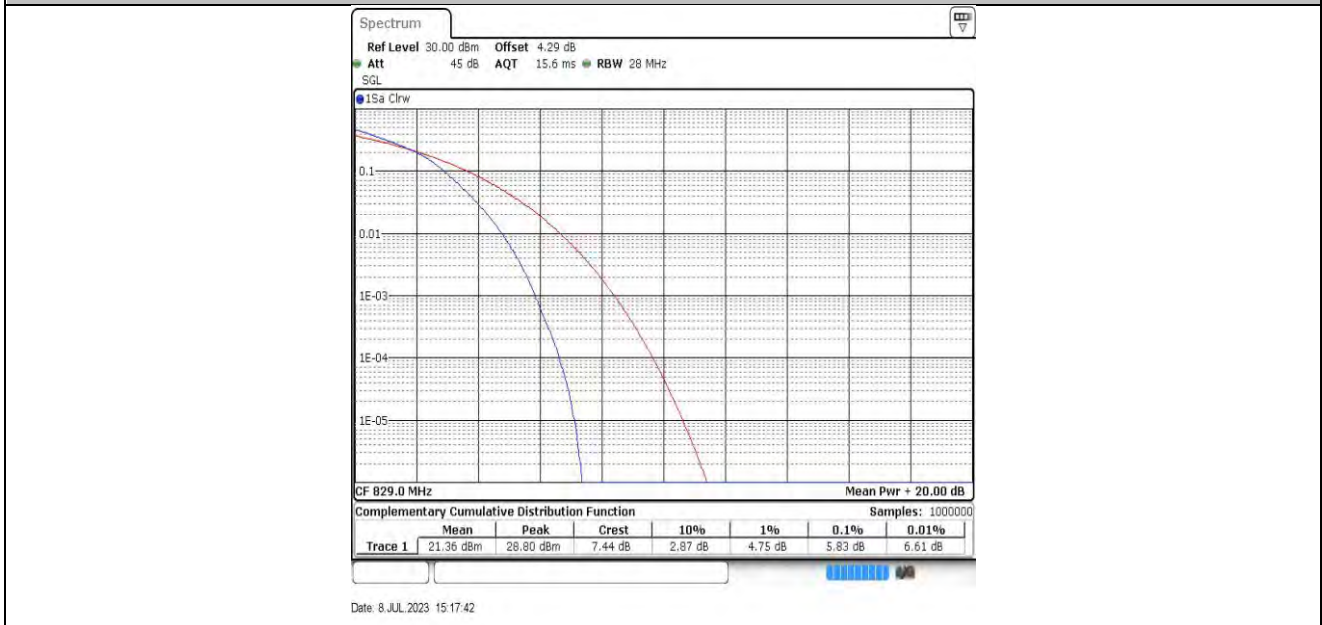


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10MHz-20600 QPSK



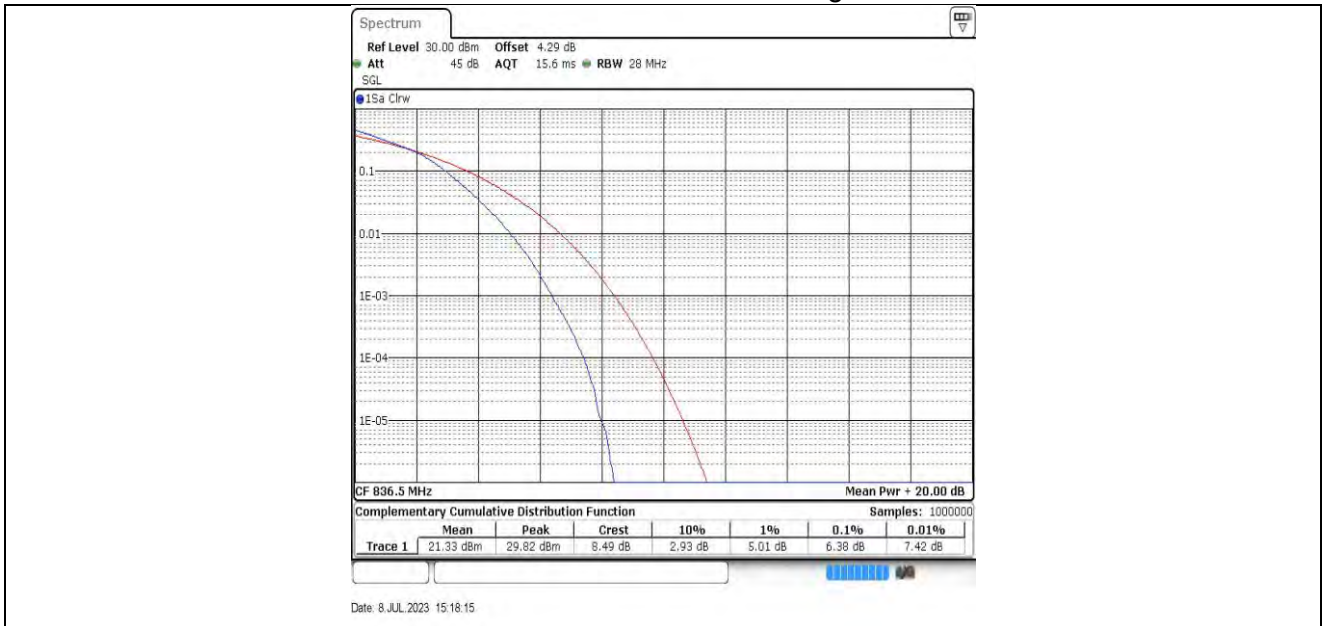
10MHz-20450 16QAM



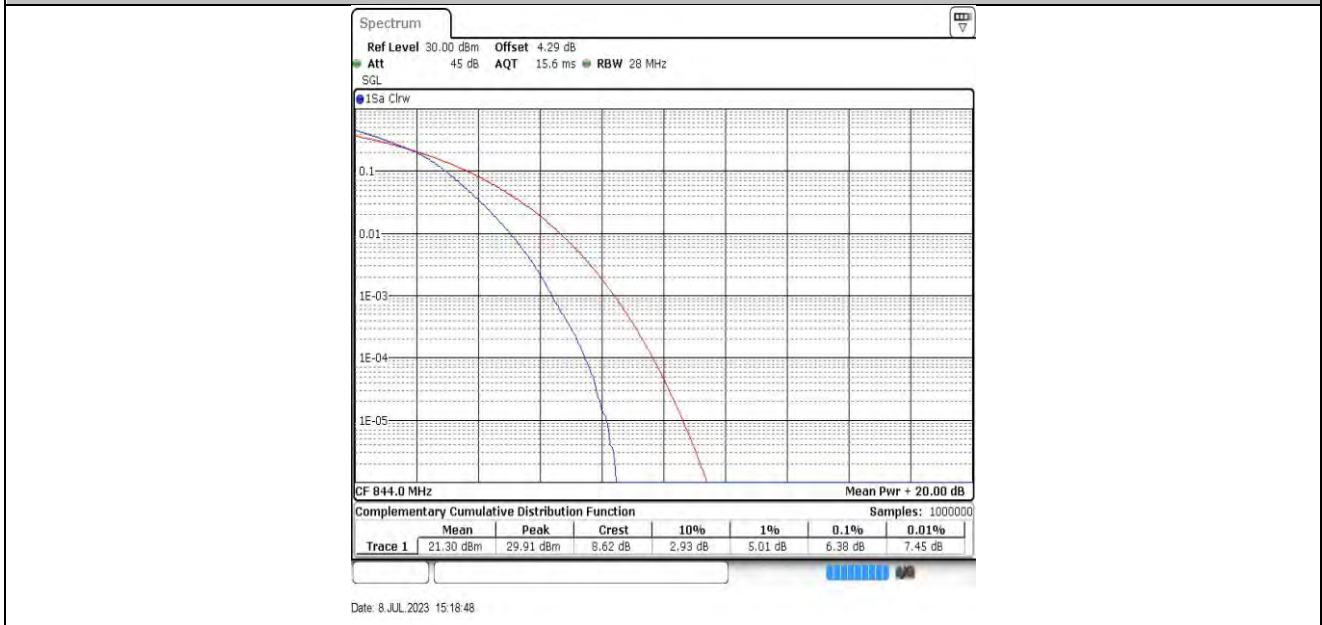
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10MHz-20525 16QAM



10MHz-20600 16QAM



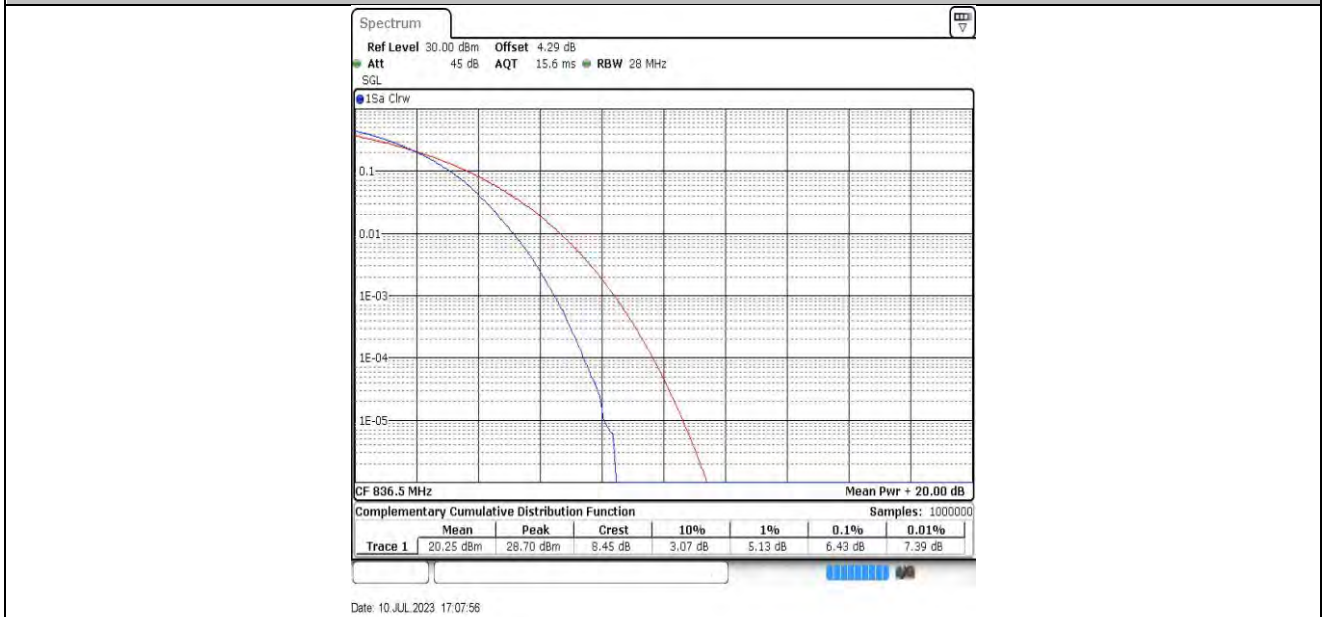
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10MHz-20450 64QAM



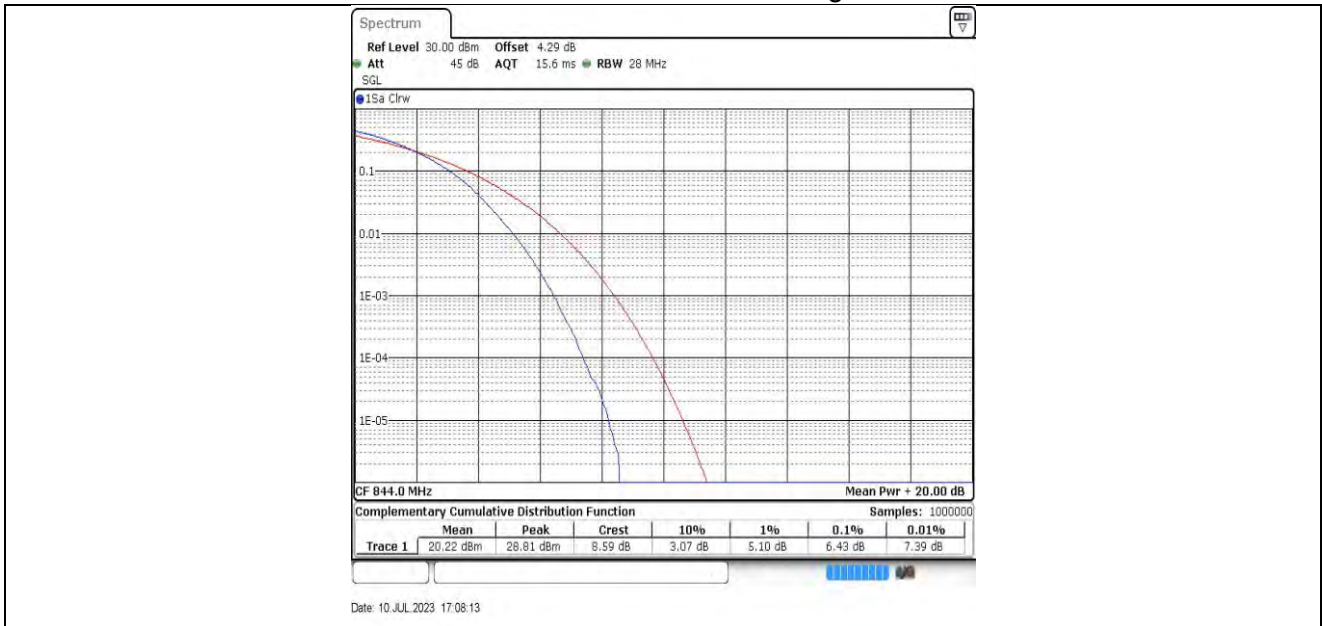
10MHz-20525 64QAM



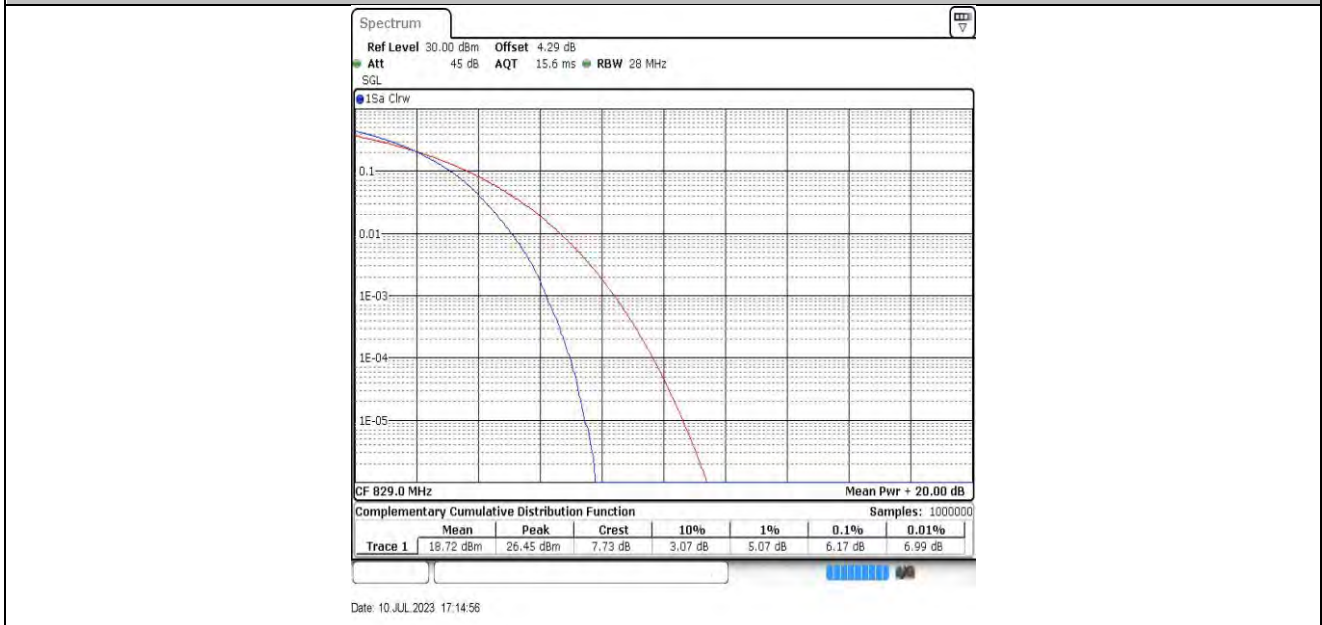
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10MHz-20600 64QAM



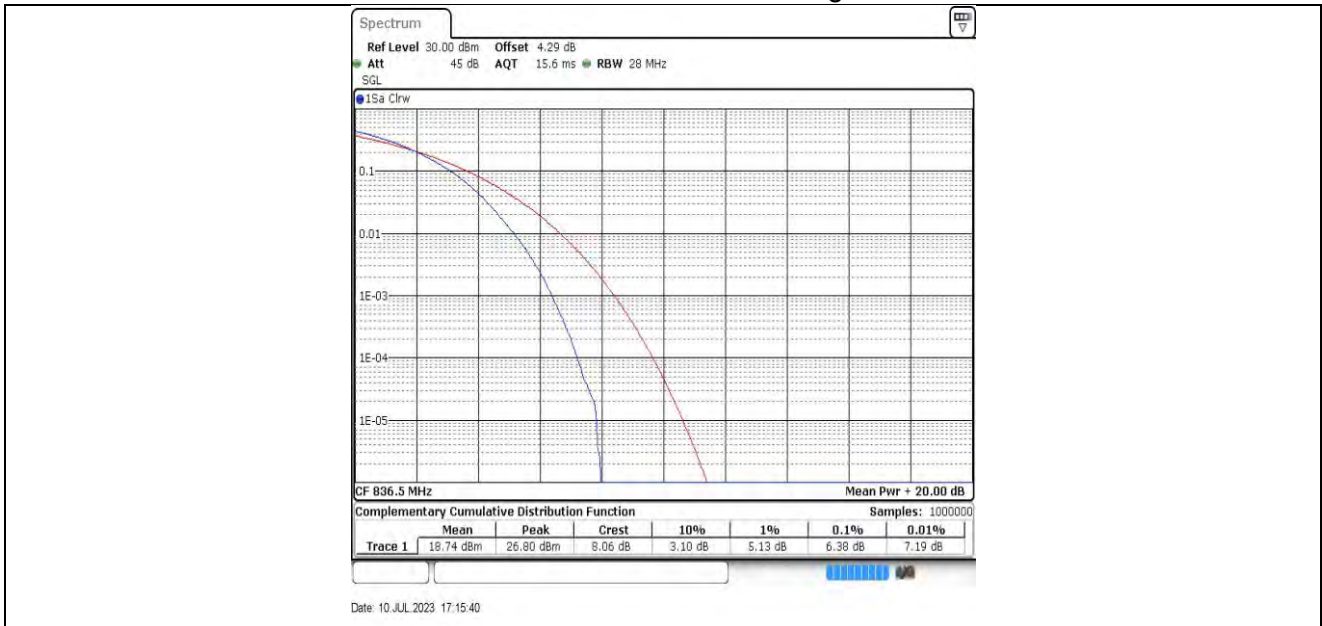
10MHz-20450 256QAM



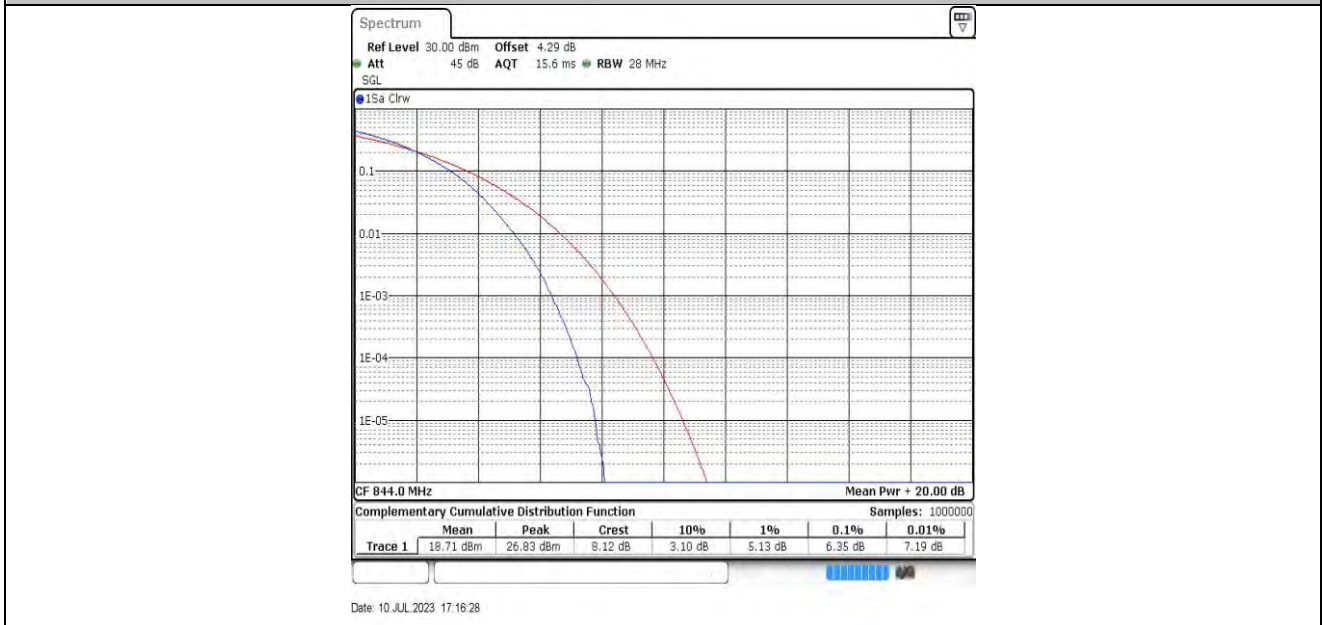
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10MHz-20525 256QAM



10MHz-20600 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
Band5	1.4MHz	QPSK	20407	6RB#0	1.088	1.27	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.088	1.28	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.088	1.28	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.097	1.31	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.097	1.30	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.097	1.30	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.097	1.31	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.094	1.30	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.094	1.29	PASS
Band5	1.4MHz	256QAM	20407	6RB#0	1.103	1.31	PASS
Band5	1.4MHz	256QAM	20525	6RB#0	1.088	1.28	PASS
Band5	1.4MHz	256QAM	20643	6RB#0	1.103	1.31	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.697	2.93	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.703	2.92	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.697	2.92	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.685	2.92	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.685	2.92	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.685	2.92	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.685	2.92	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.685	2.92	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.691	2.98	PASS
Band5	3MHz	256QAM	20415	15RB#0	2.697	2.98	PASS
Band5	3MHz	256QAM	20525	15RB#0	2.691	2.95	PASS
Band5	3MHz	256QAM	20635	15RB#0	2.697	2.92	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.476	4.84	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.466	4.84	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.466	4.86	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.476	4.90	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.476	4.87	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.466	4.87	PASS



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Band5	5MHz	64QAM	20425	25RB#0	4.466	4.88	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.476	4.87	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.476	4.89	PASS
Band5	5MHz	256QAM	20425	25RB#0	4.456	4.80	PASS
Band5	5MHz	256QAM	20525	25RB#0	4.476	4.82	PASS
Band5	5MHz	256QAM	20625	25RB#0	4.466	4.83	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.931	9.56	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.931	9.58	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.931	9.58	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.931	9.54	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.911	9.58	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.911	9.58	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.931	9.60	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.931	9.64	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.911	9.58	PASS
Band5	10MHz	256QAM	20450	50RB#0	8.911	9.62	PASS
Band5	10MHz	256QAM	20525	50RB#0	8.931	9.60	PASS
Band5	10MHz	256QAM	20600	50RB#0	8.911	9.64	PASS

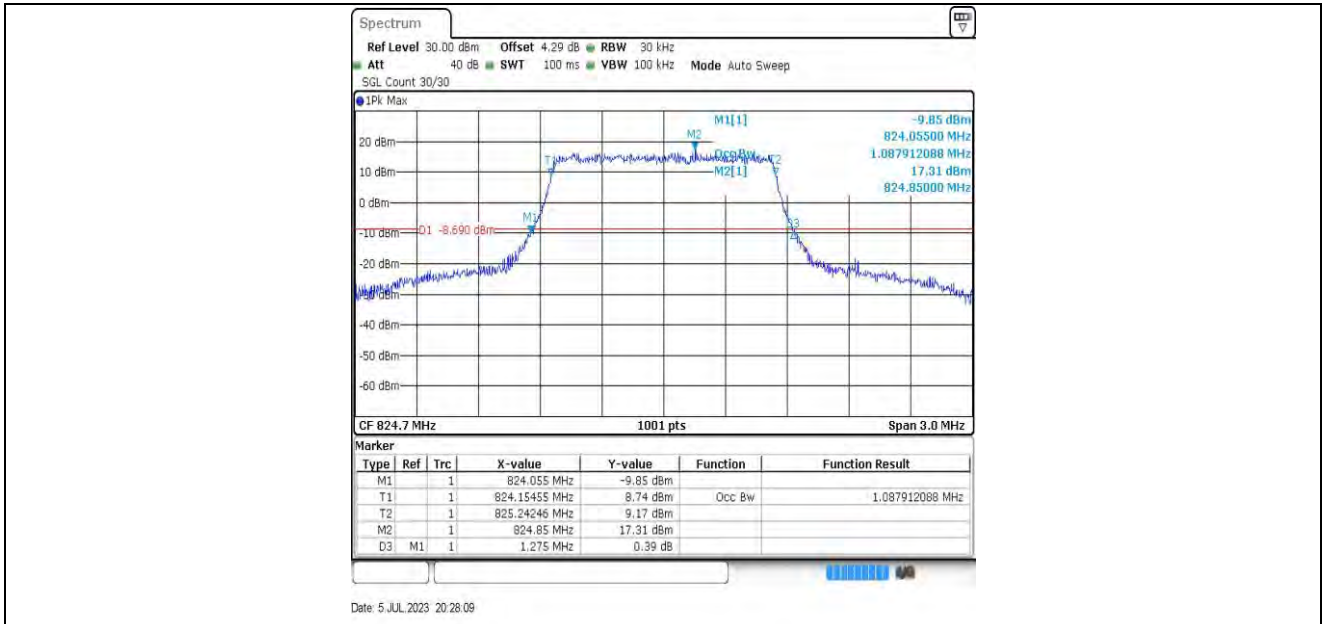


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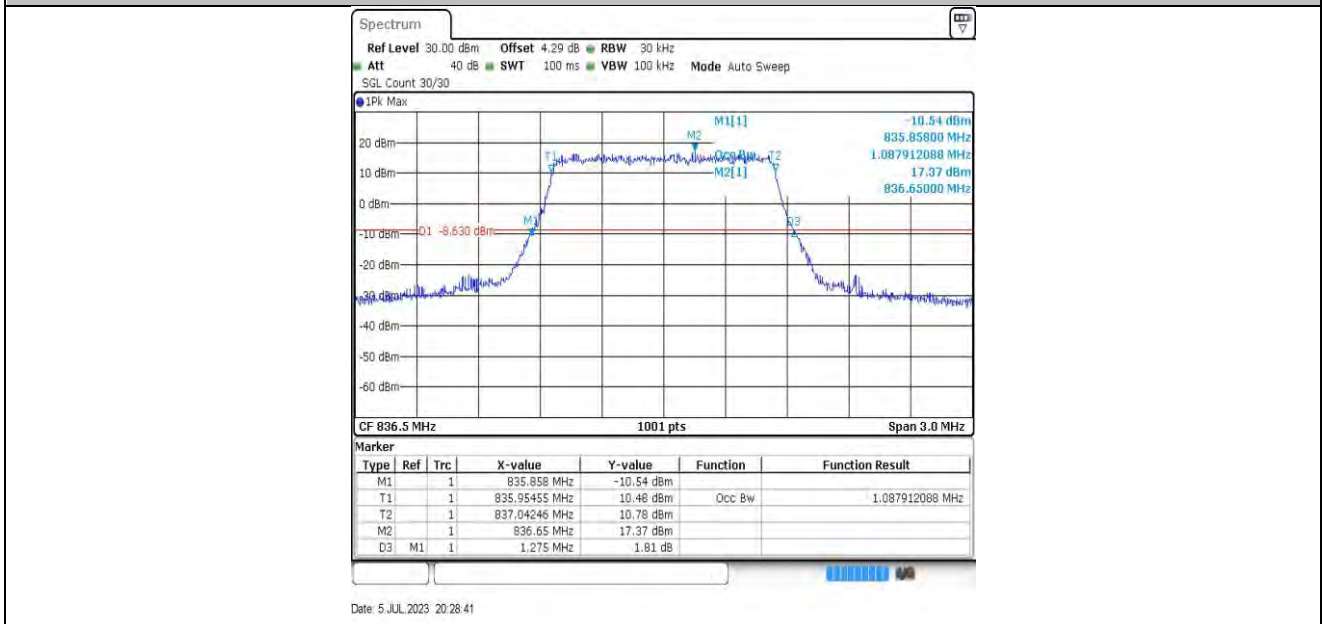
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Test Graphs



1.4MHz-20407 QPSK



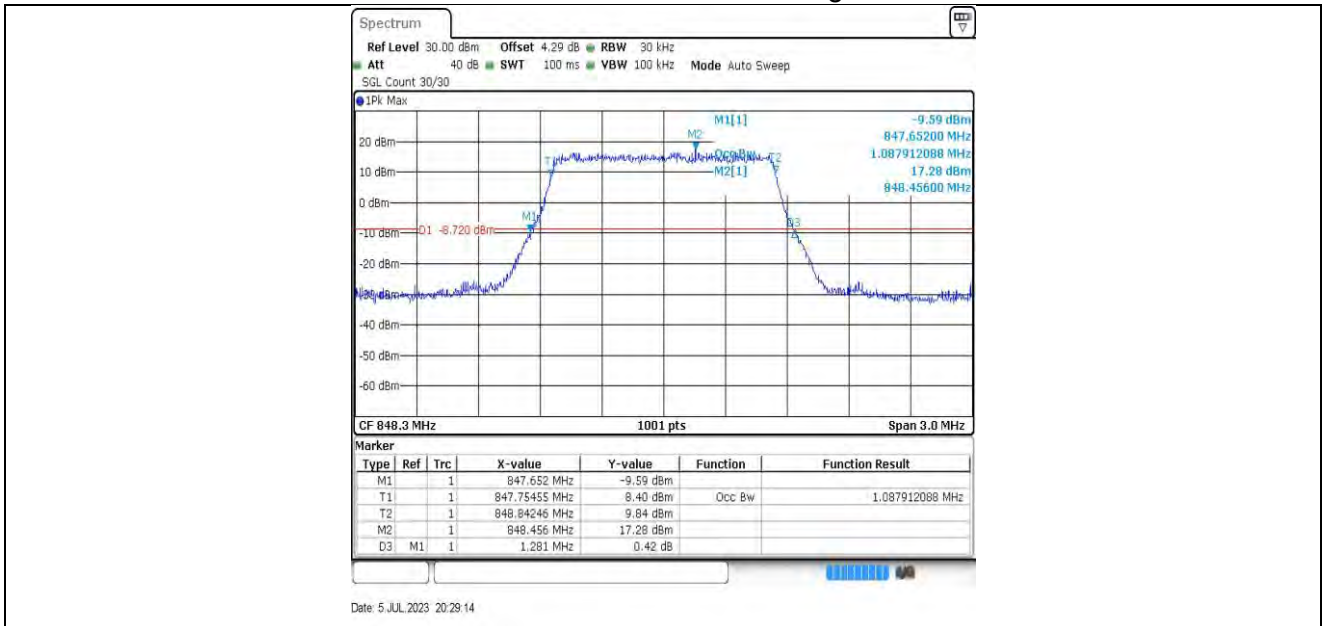
1.4MHz-20525 QPSK



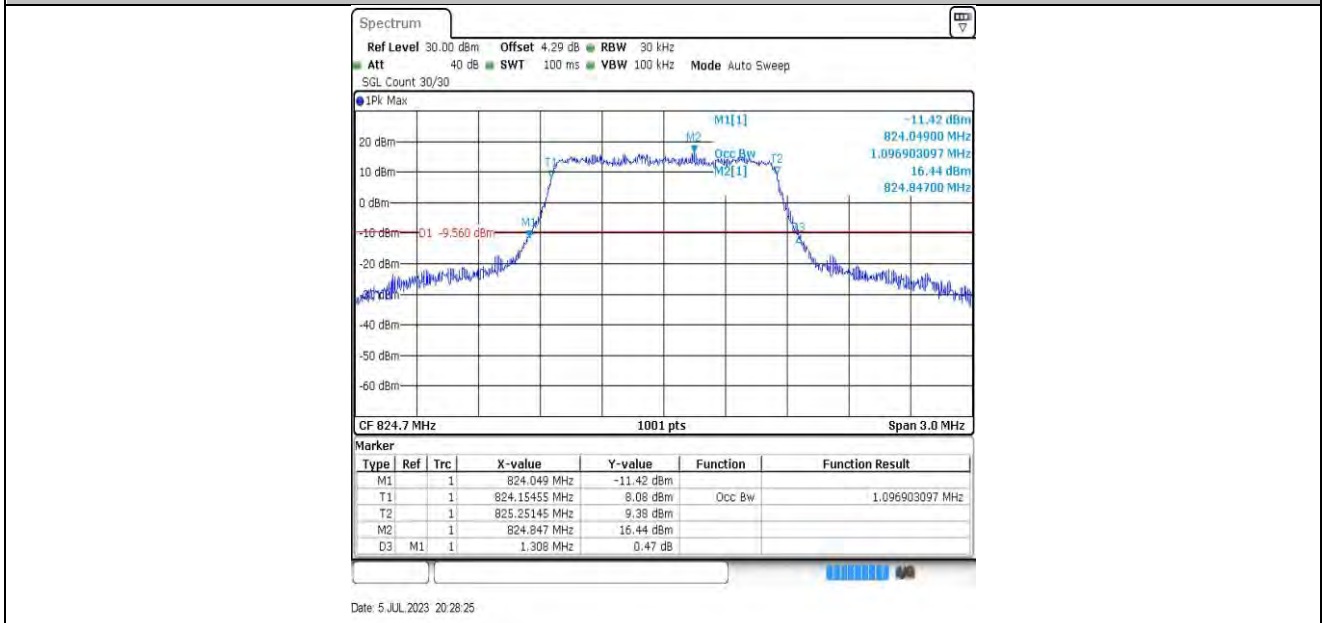
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1.4MHz-20643 QPSK



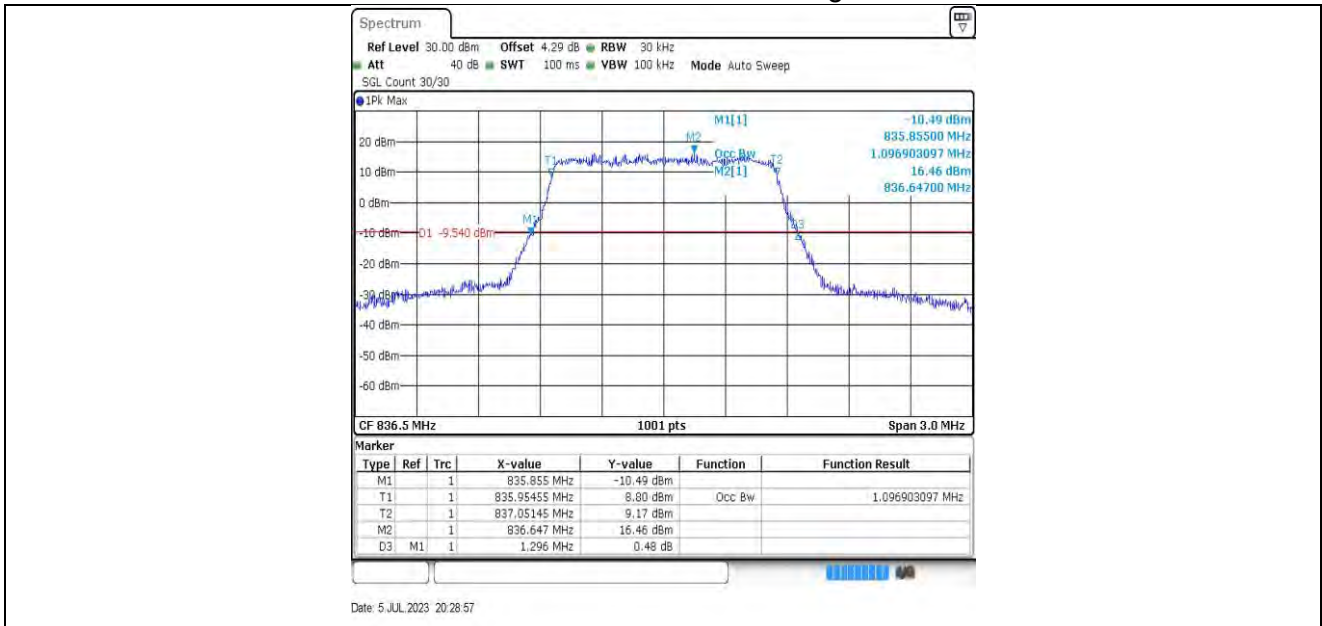
1.4MHz-20407 16QAM



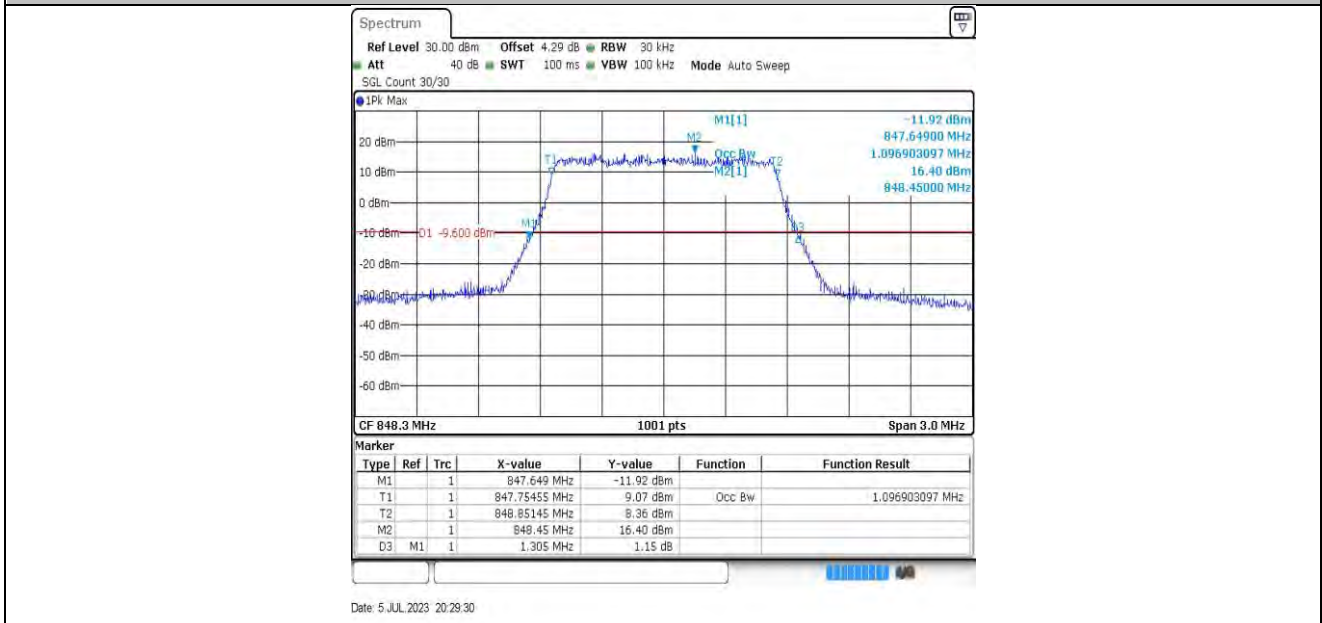
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1.4MHz-20525 16QAM

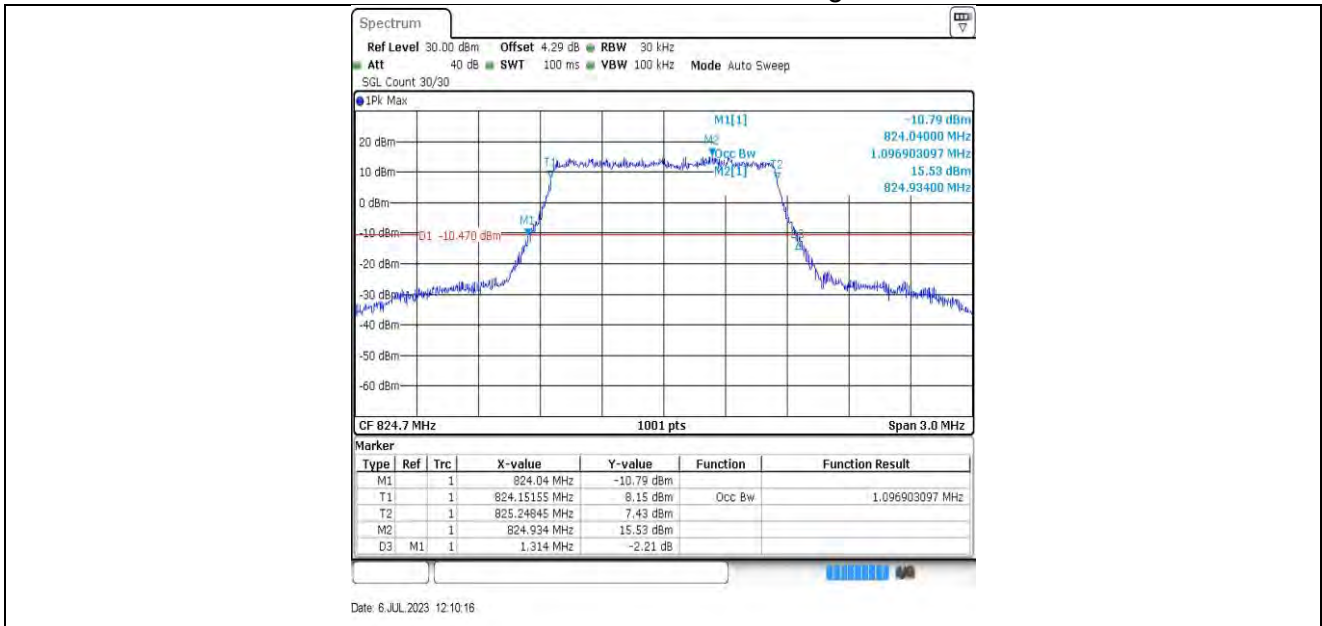


1.4MHz-20643 16QAM

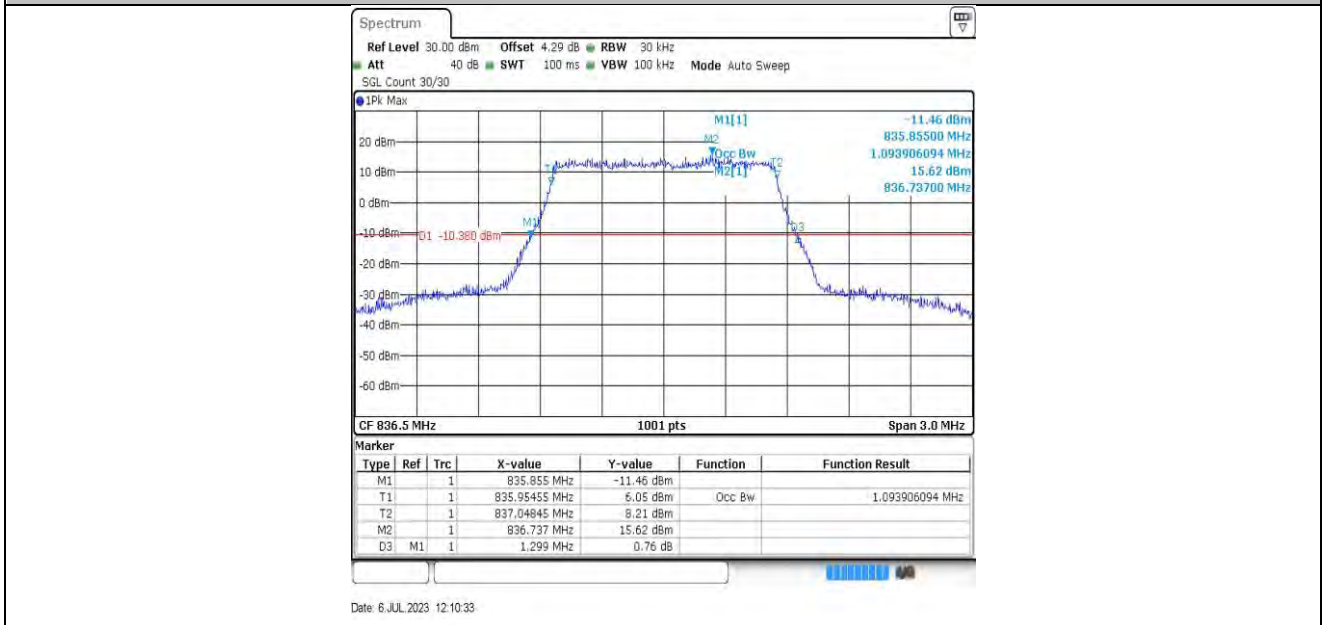


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1.4MHz-20407 64QAM



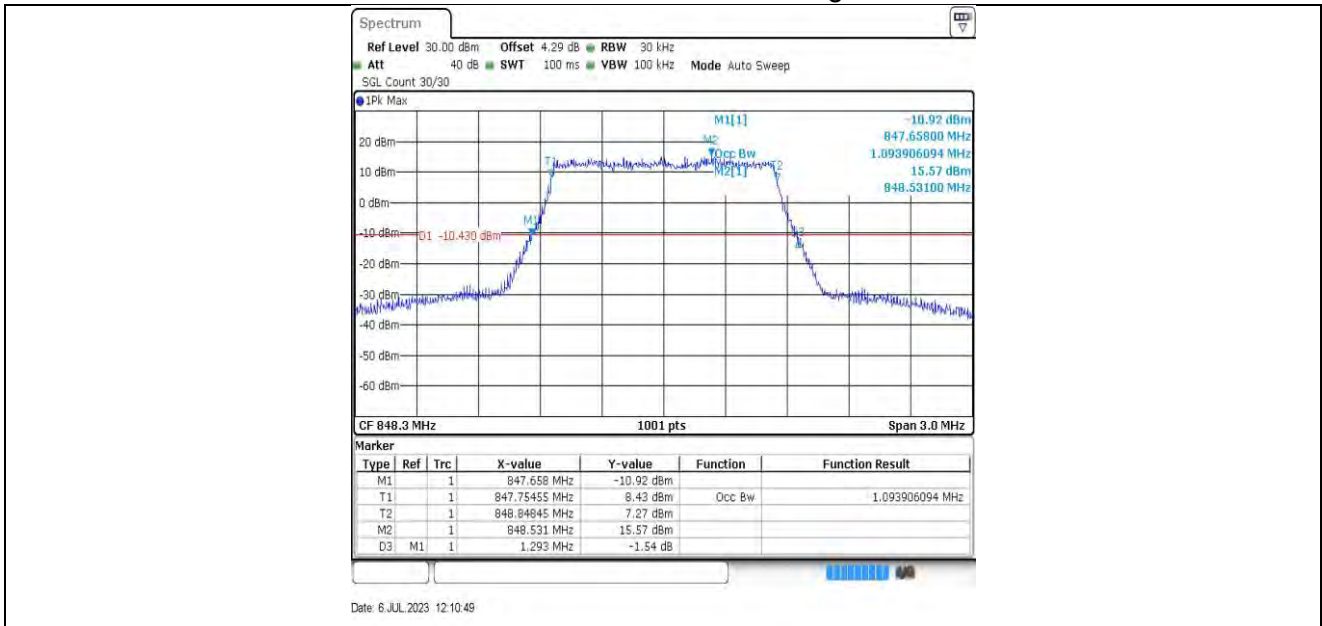
1.4MHz-20525 64QAM



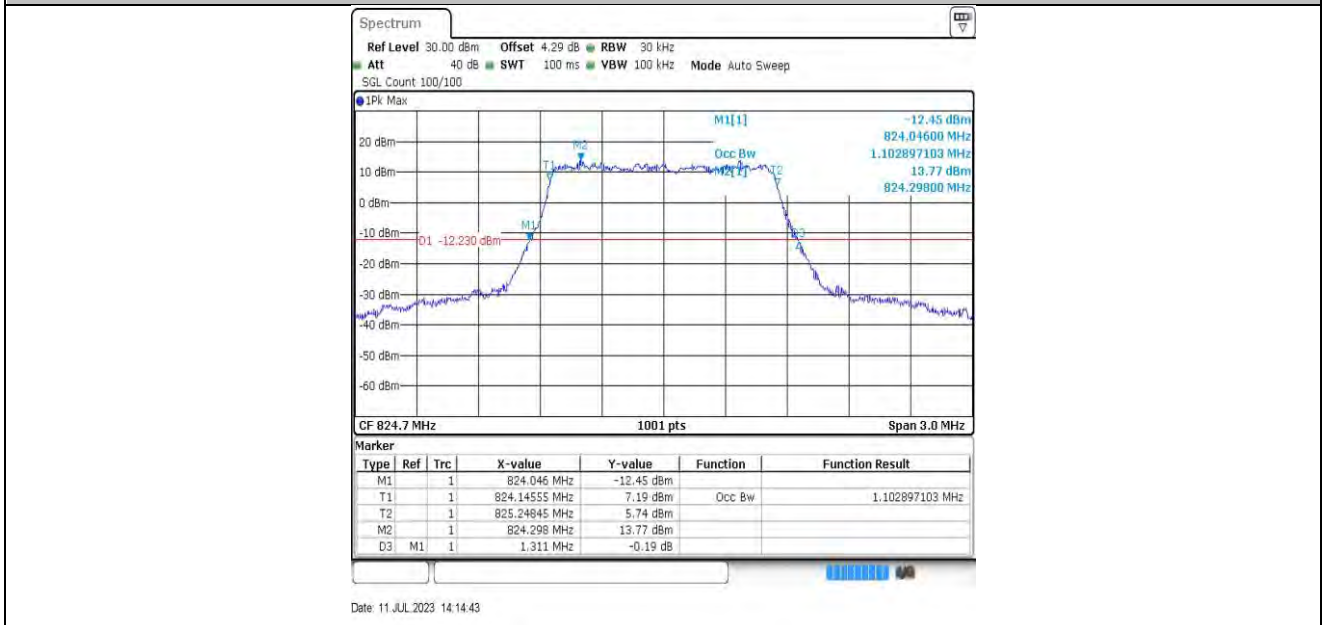
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1.4MHz-20643 64QAM



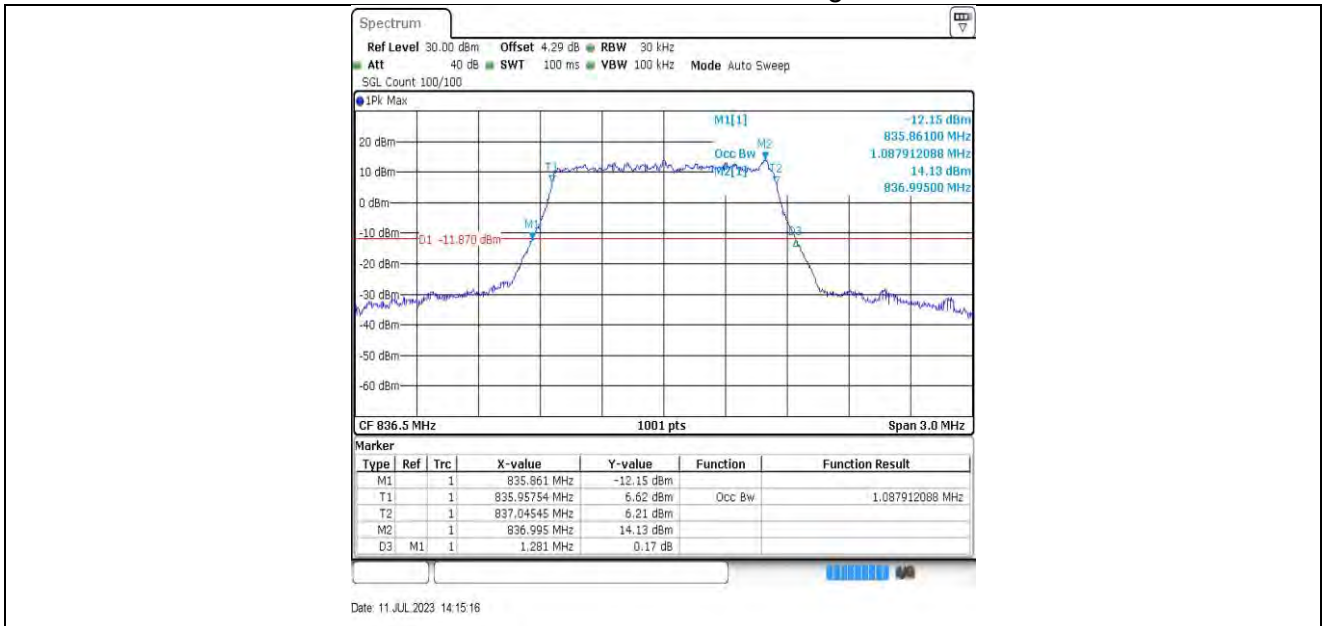
1.4MHz-20407 256QAM



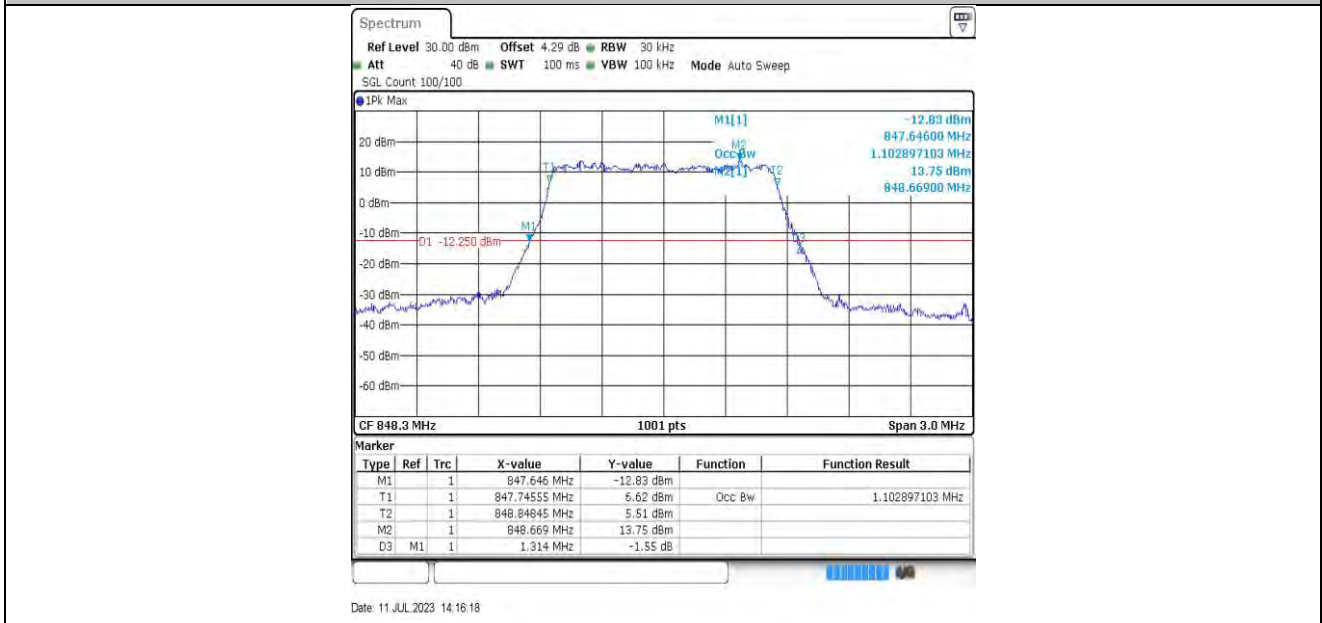
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1.4MHz-20525 256QAM



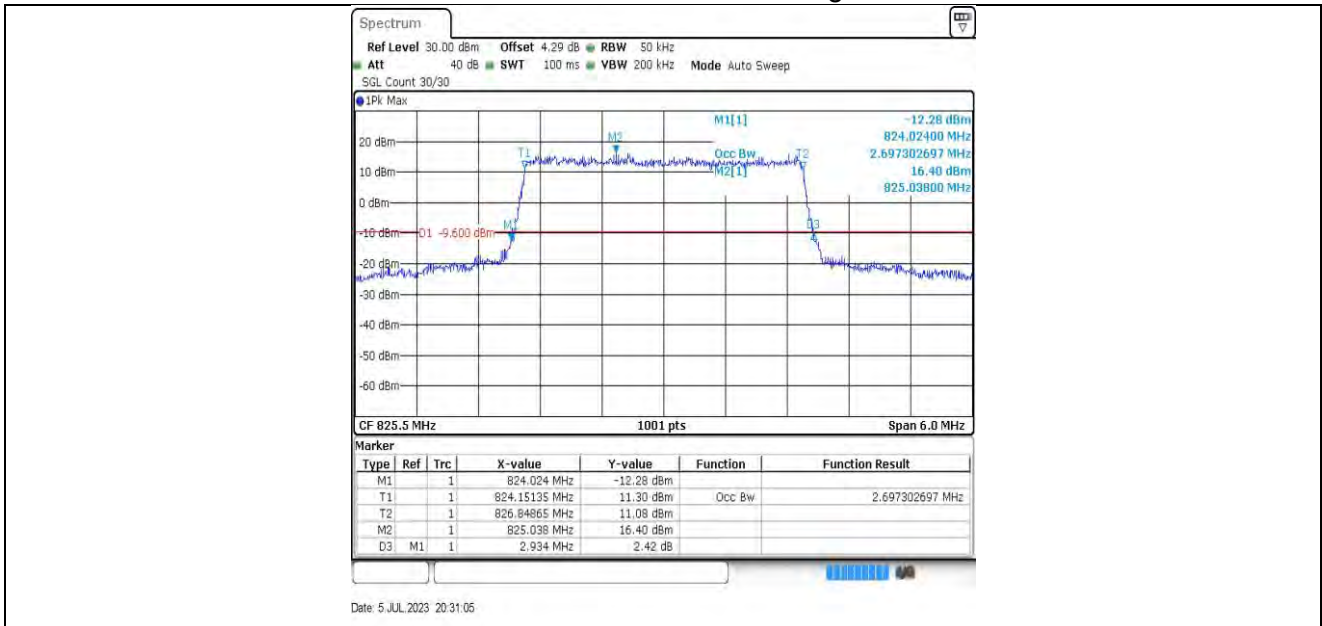
1.4MHz-20643 256QAM



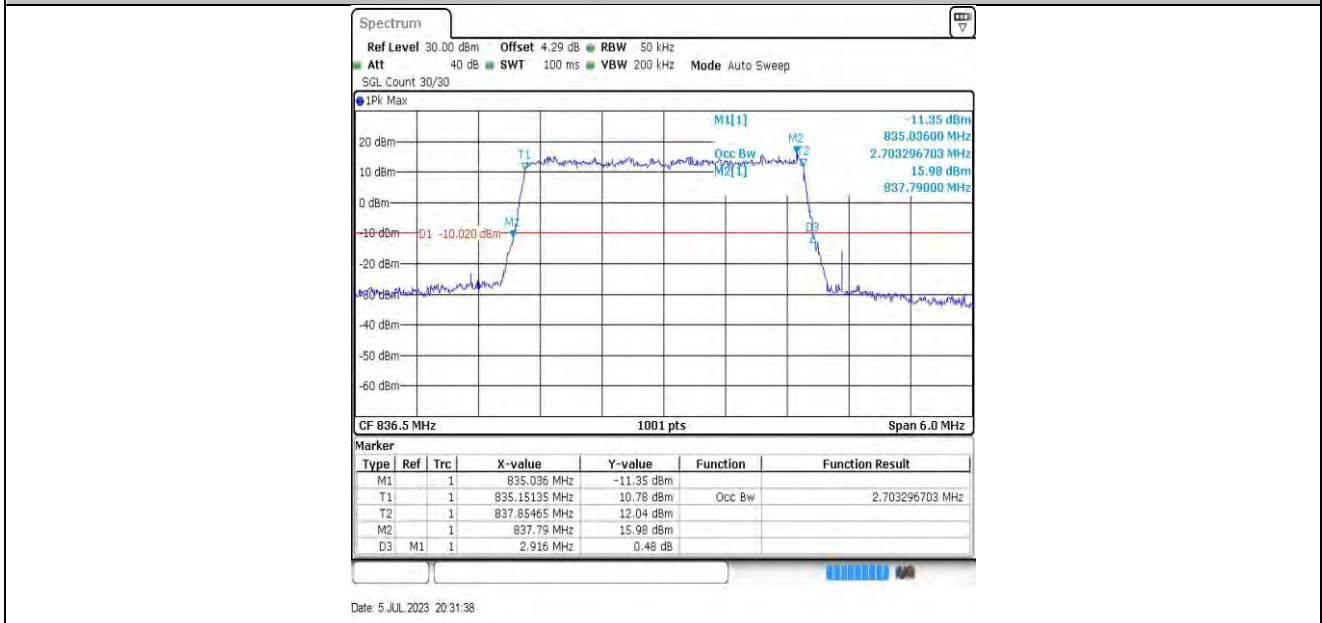
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3MHz-20415 QPSK



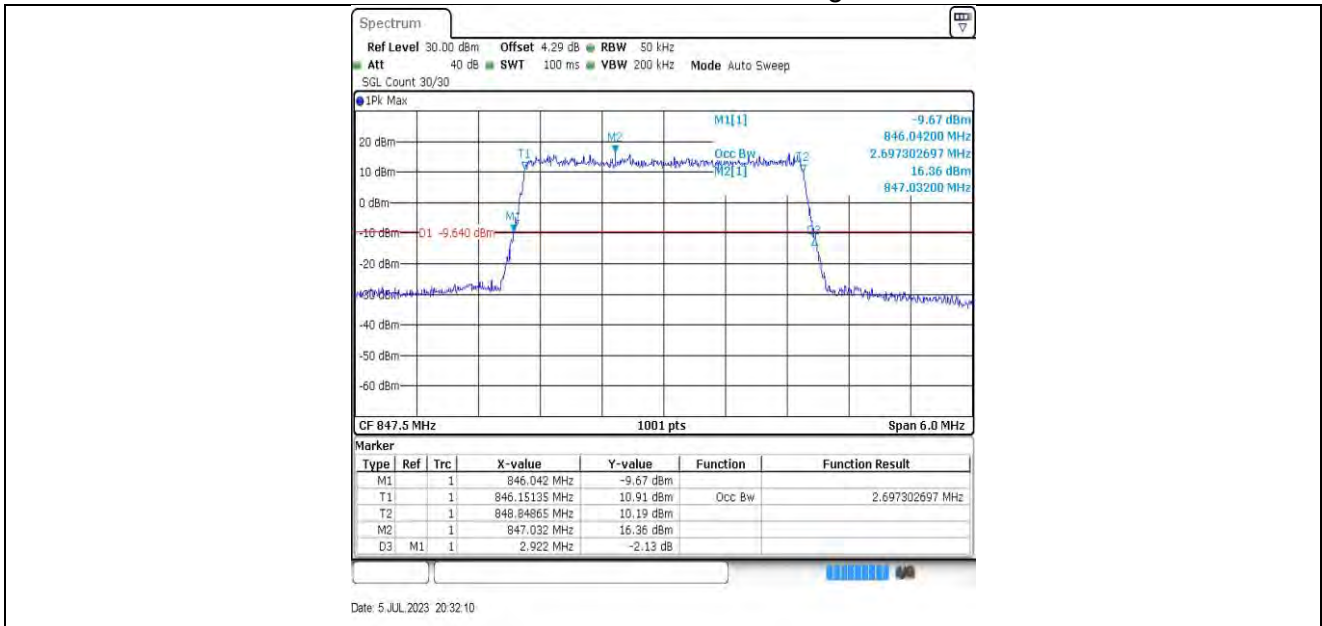
3MHz-20525 QPSK



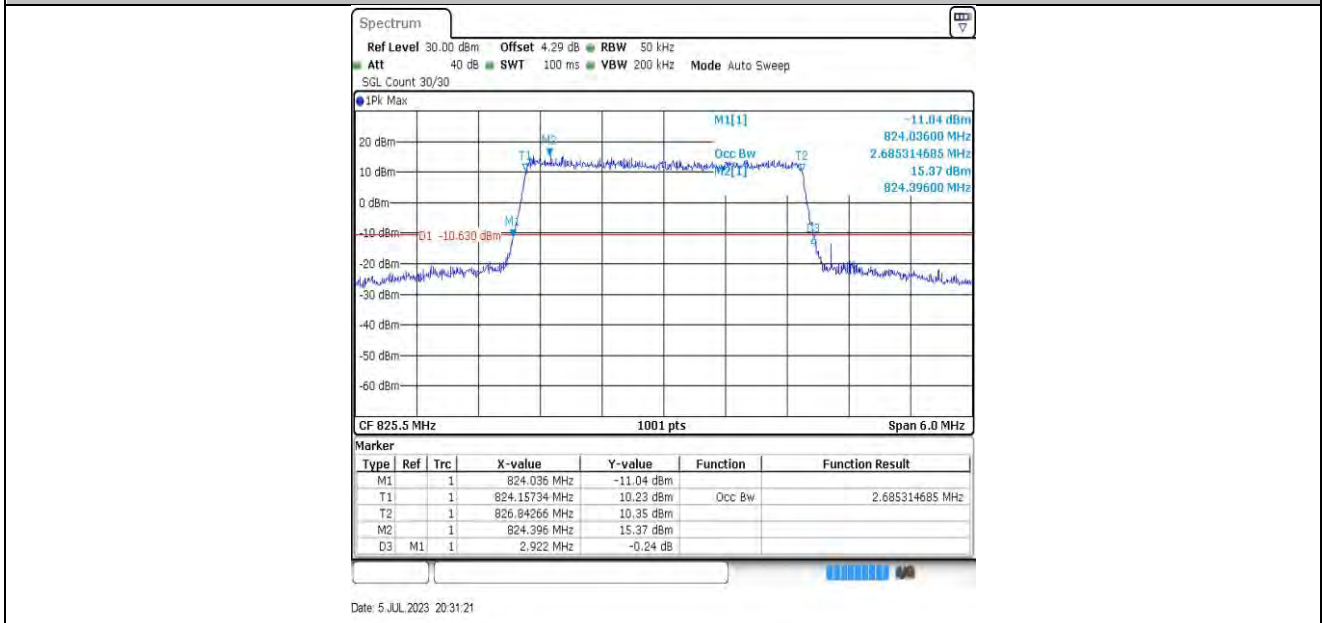
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3MHz-20635 QPSK



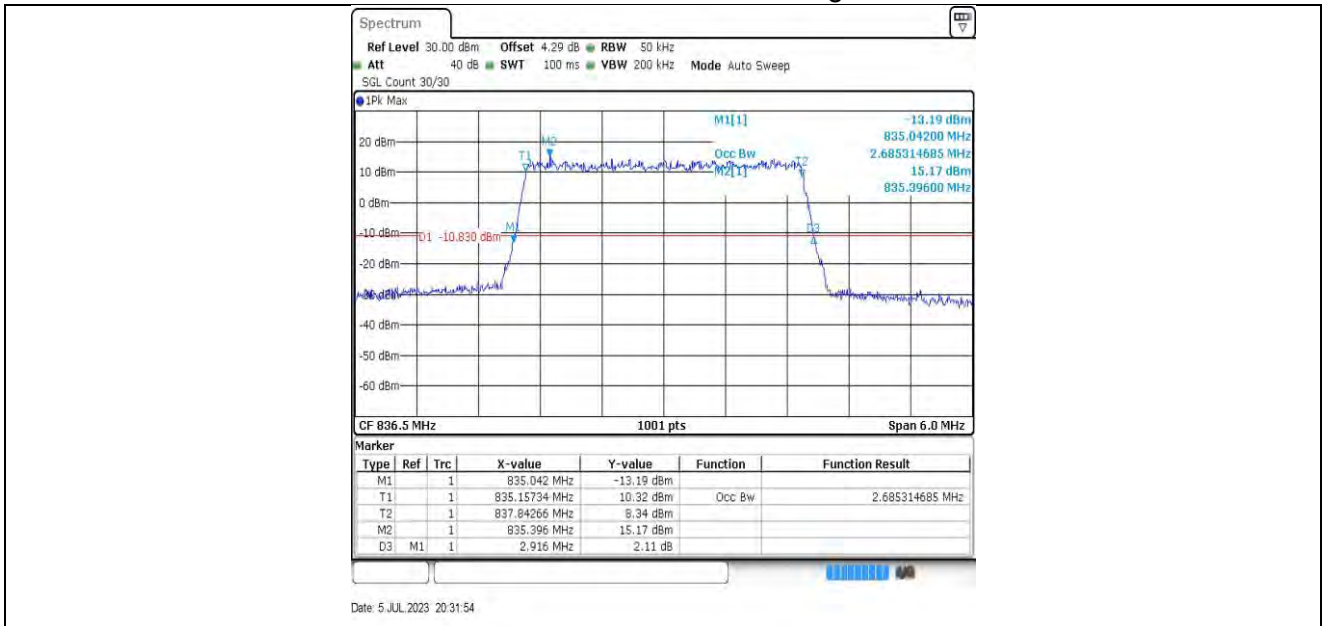
3MHz-20415 16QAM



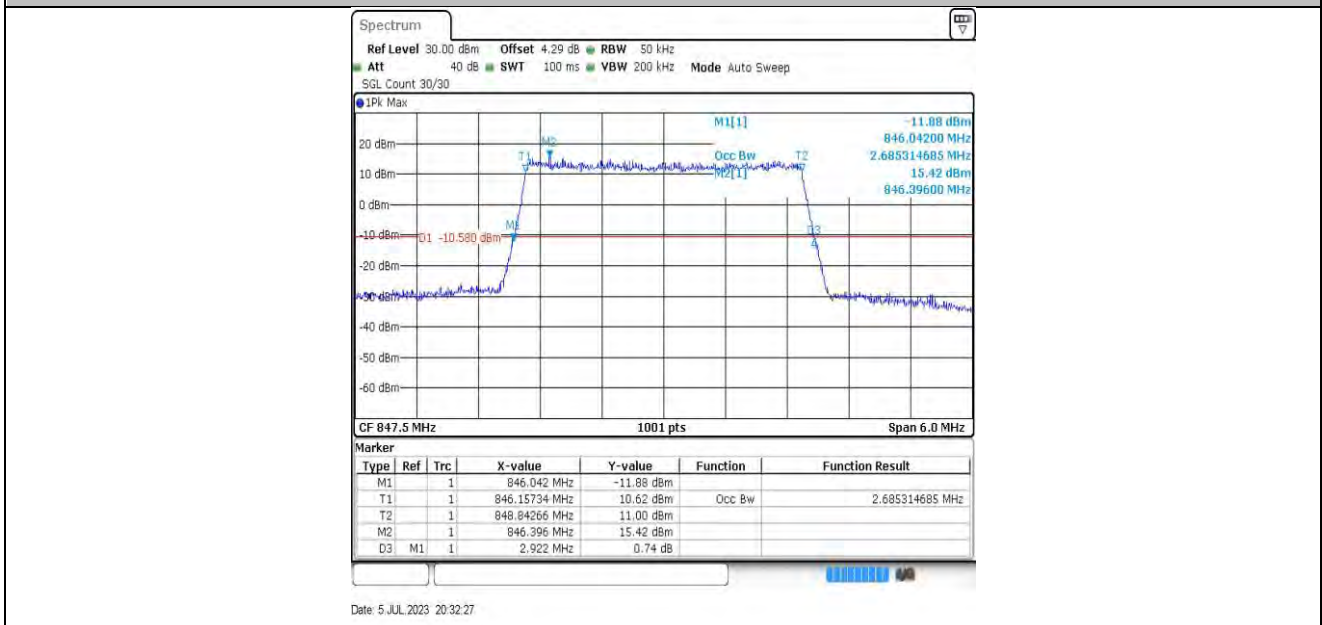
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3MHz-20525 16QAM



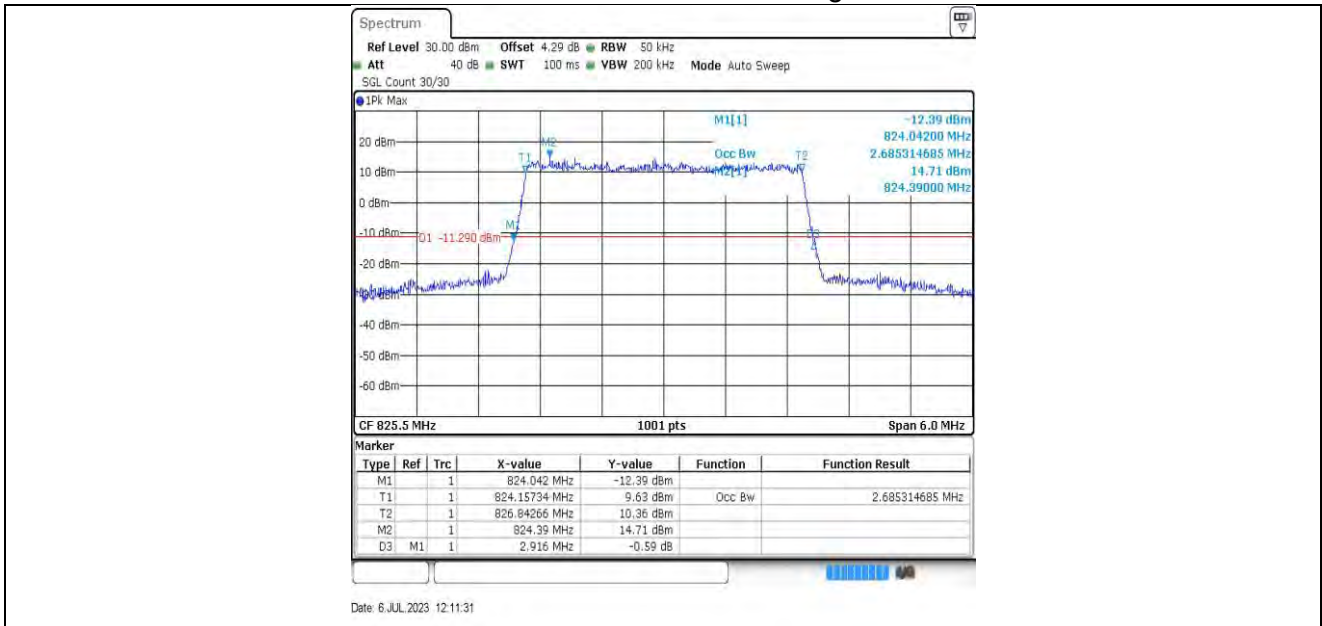
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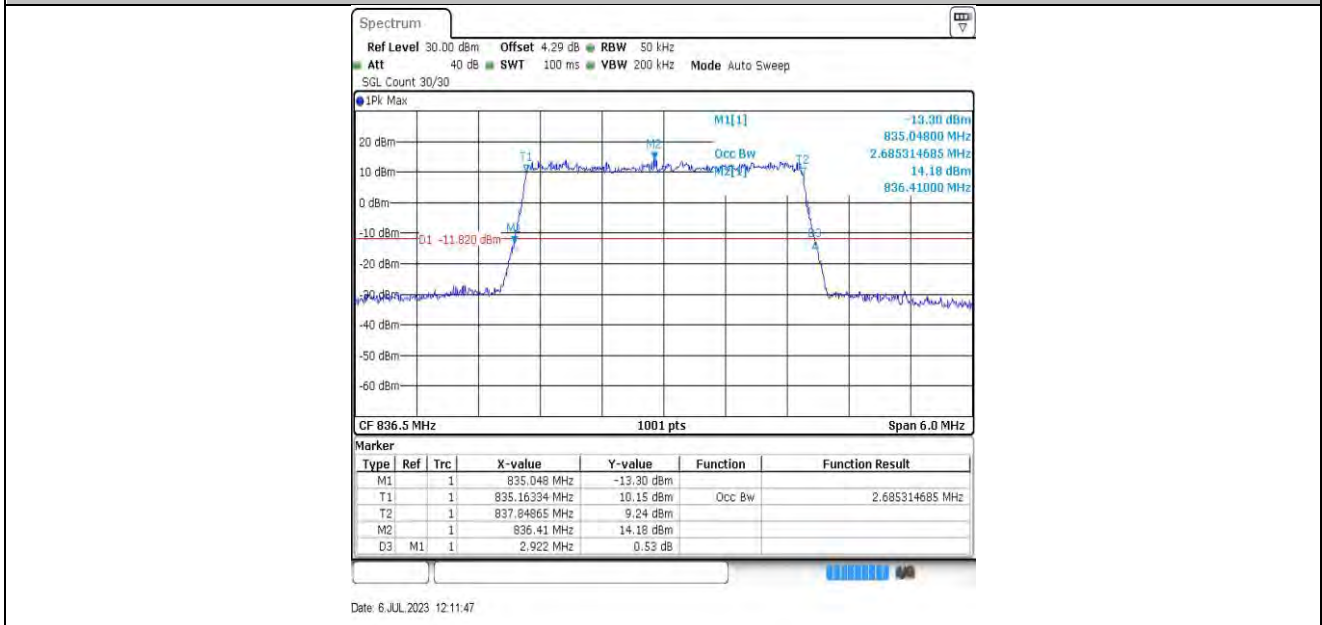
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3MHz-20415 64QAM

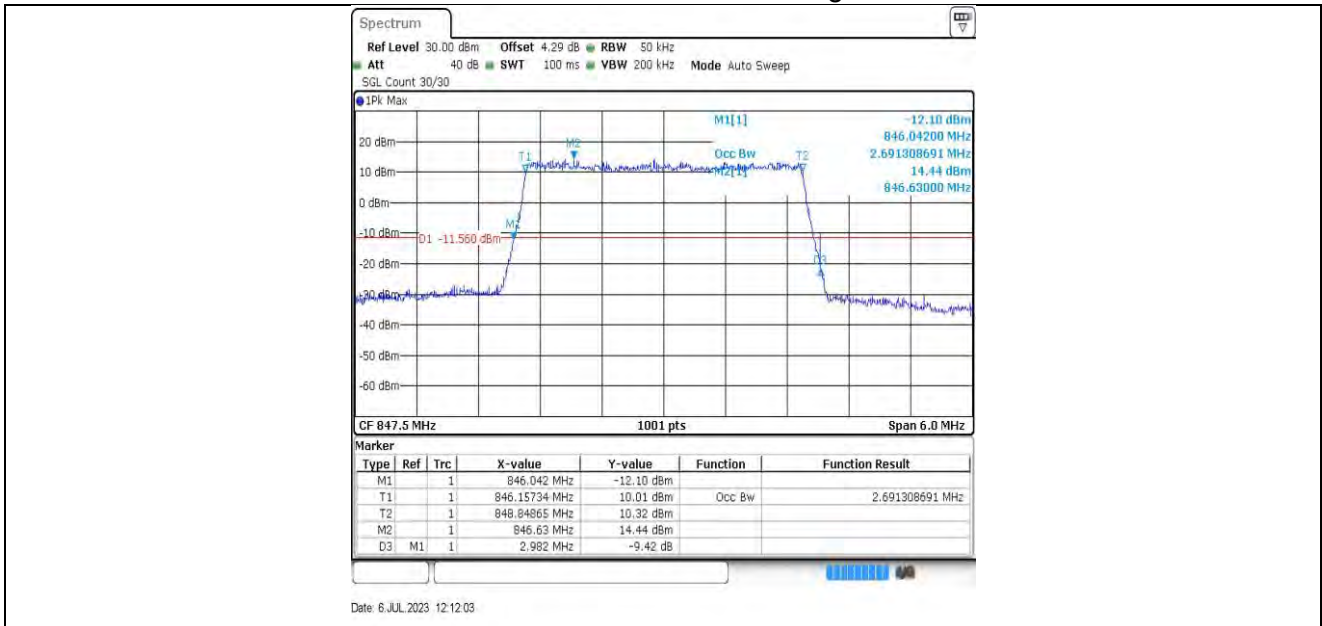


3MHz-20525 64QAM

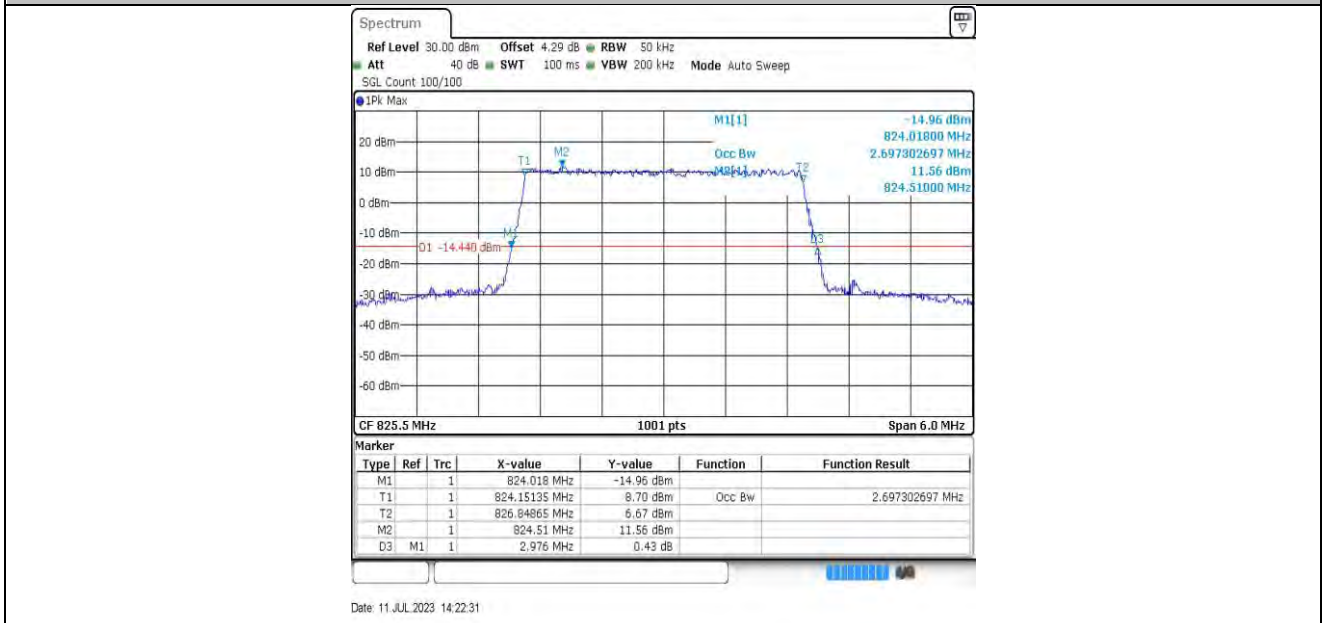


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3MHz-20635 64QAM



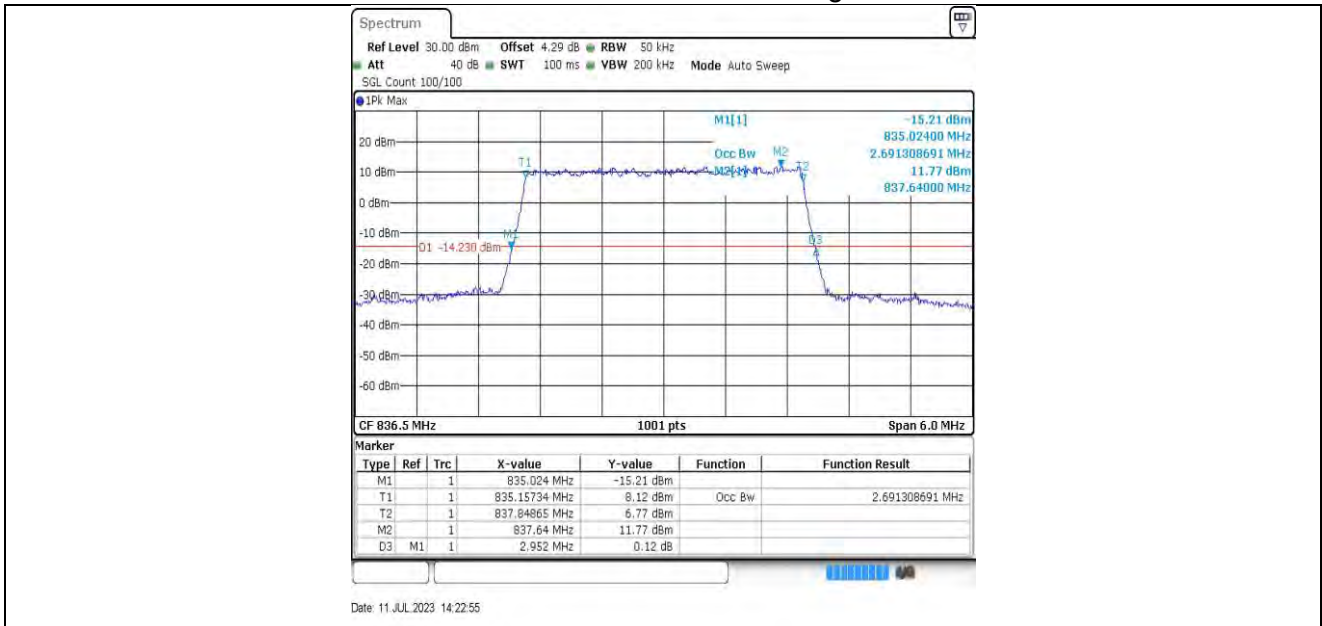
3MHz-20415 256QAM



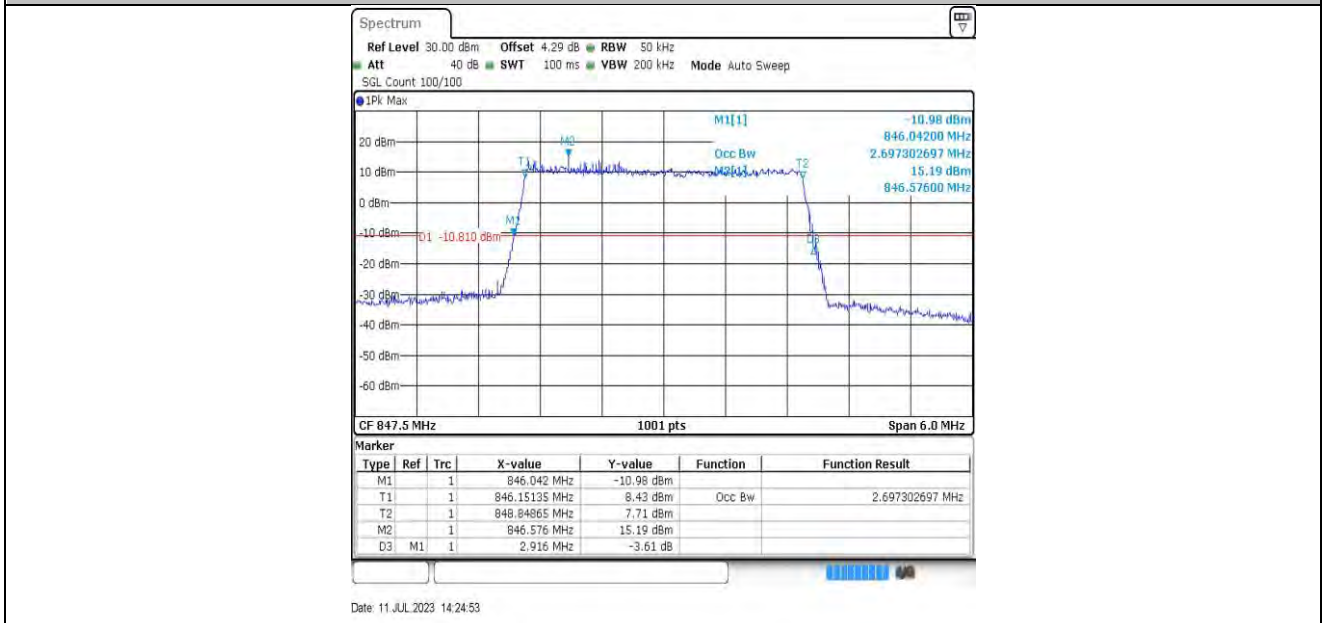
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3MHz-20525 256QAM



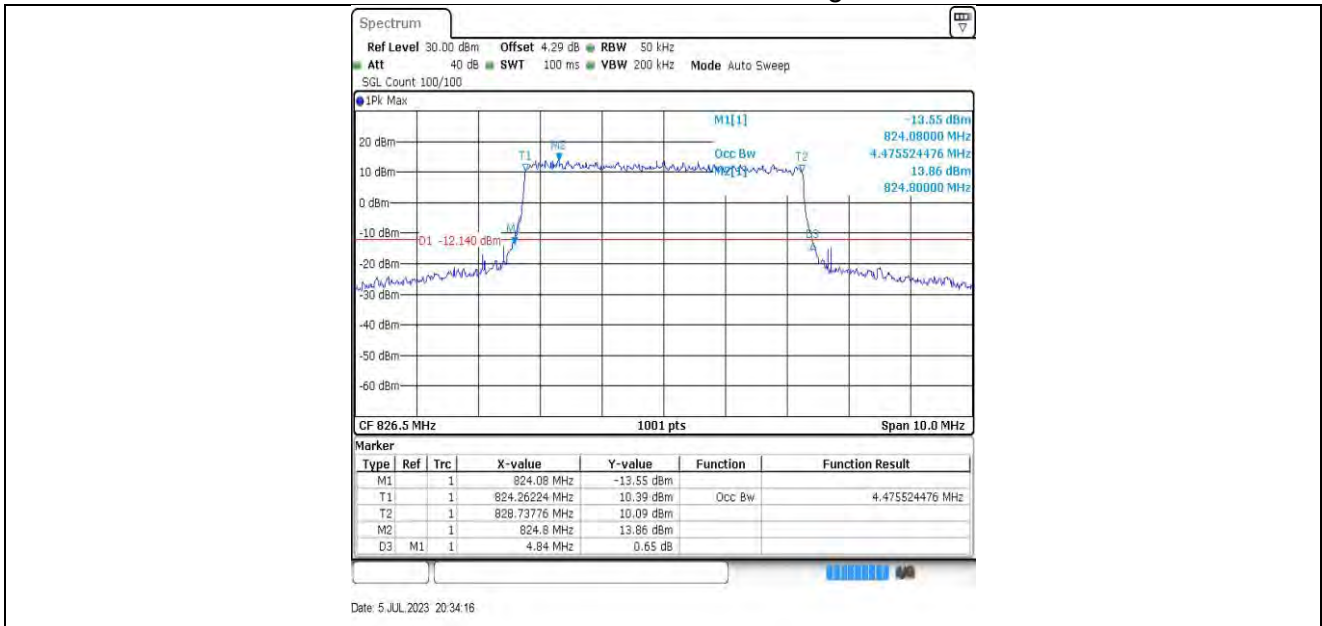
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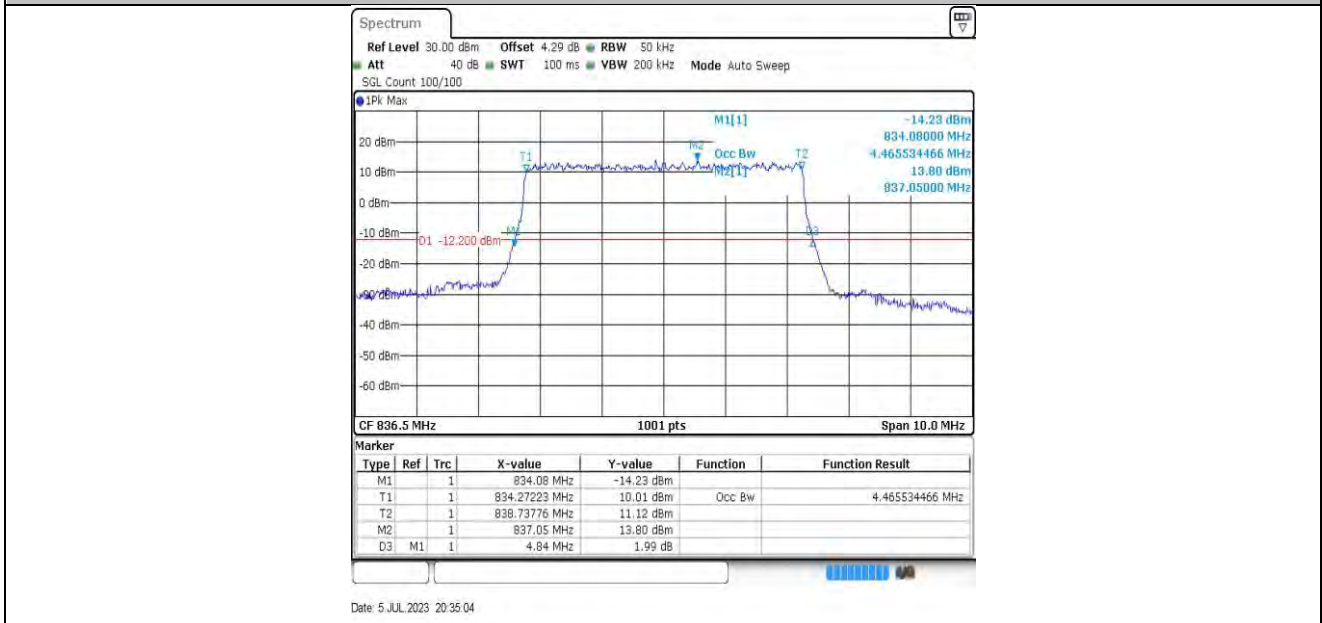
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5MHz-20425 QPSK



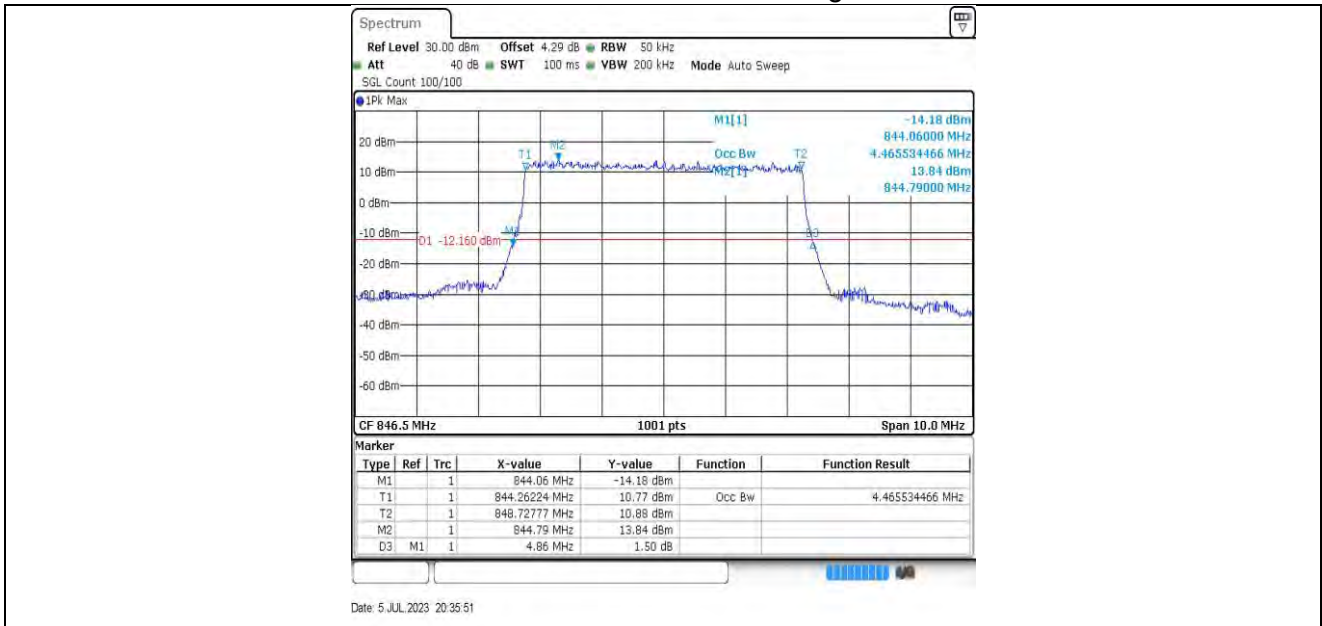
5MHz-20525 QPSK



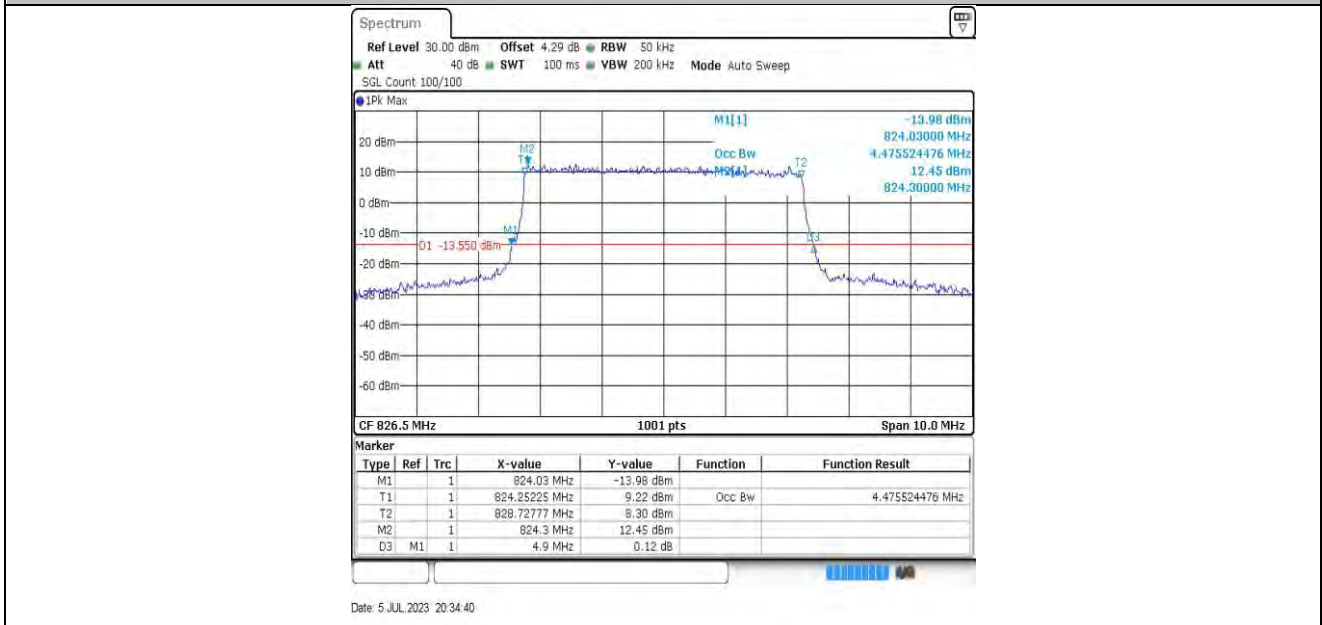
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5MHz-20625 QPSK



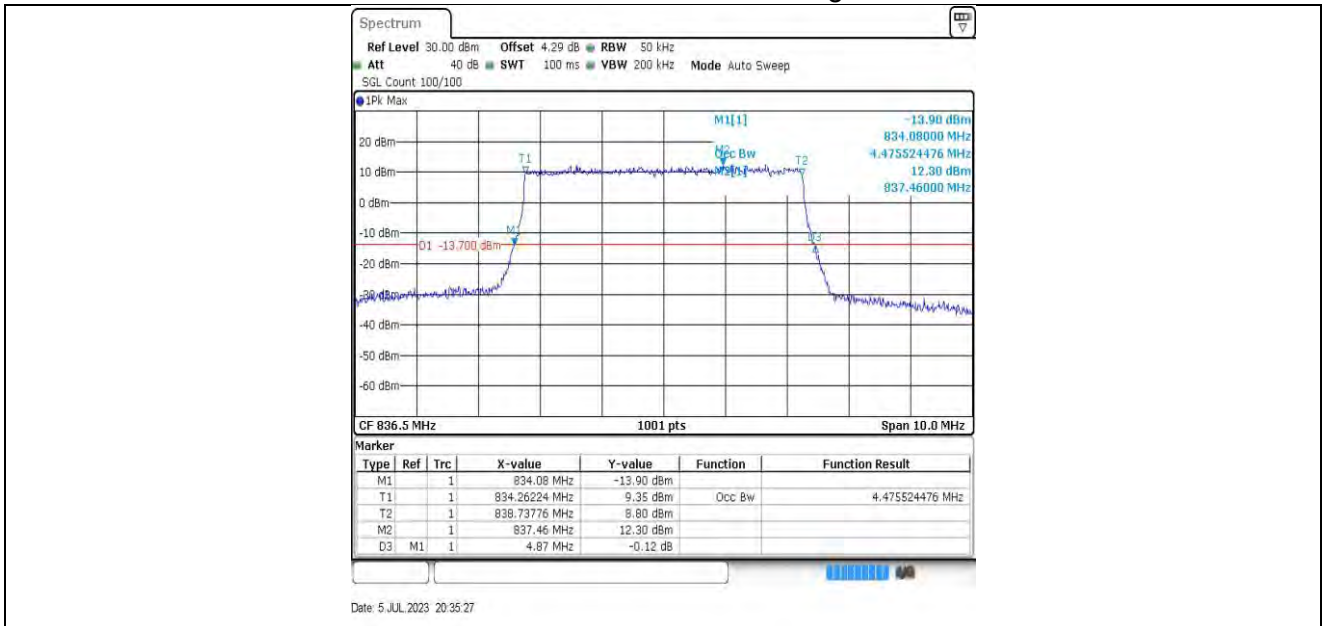
5MHz-20425 16QAM



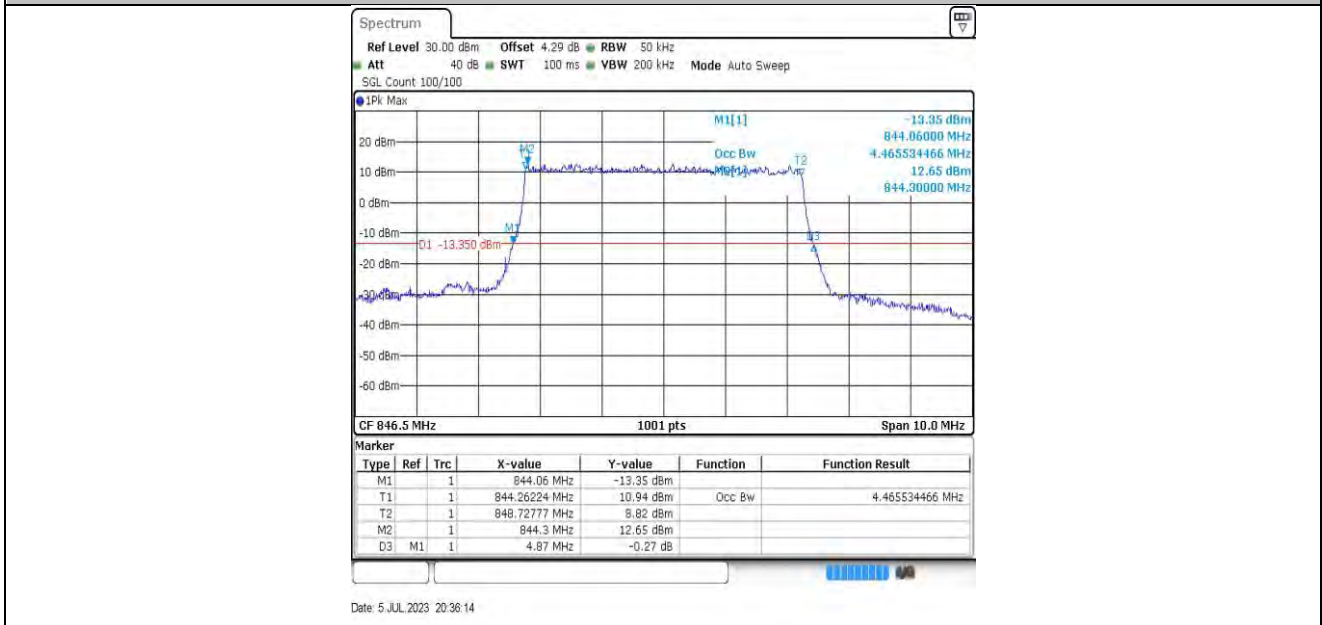
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5MHz-20525 16QAM



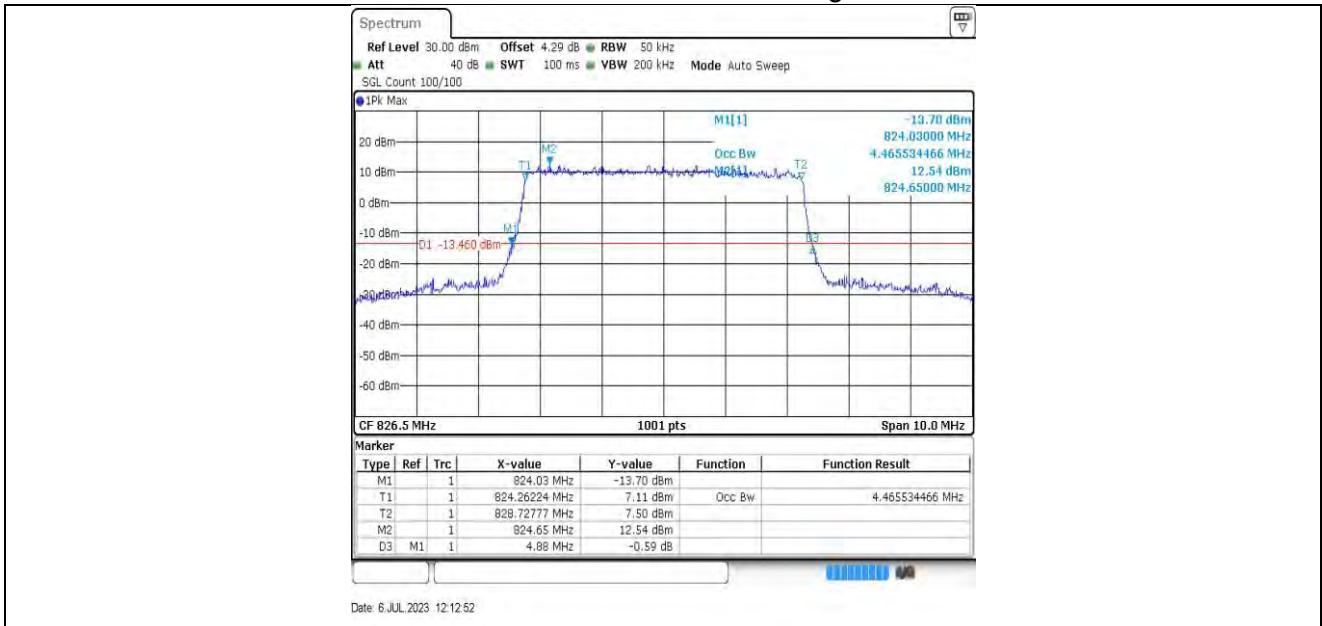
5MHz-20625 16QAM



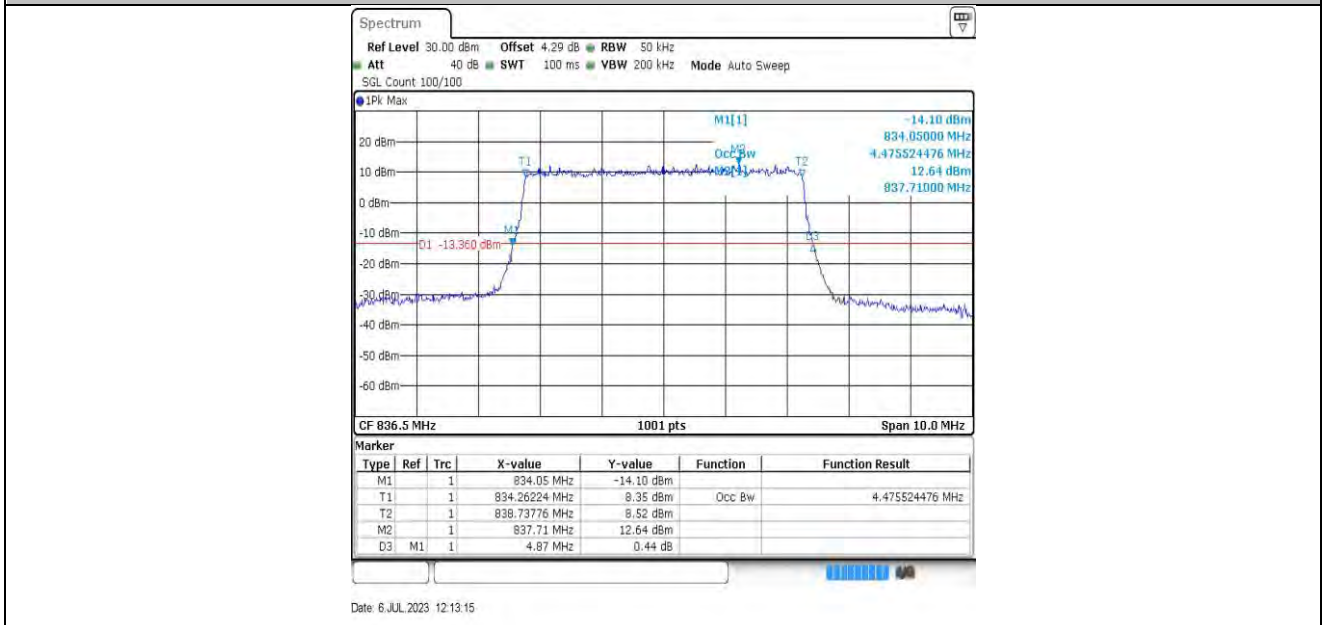
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5MHz-20425 64QAM



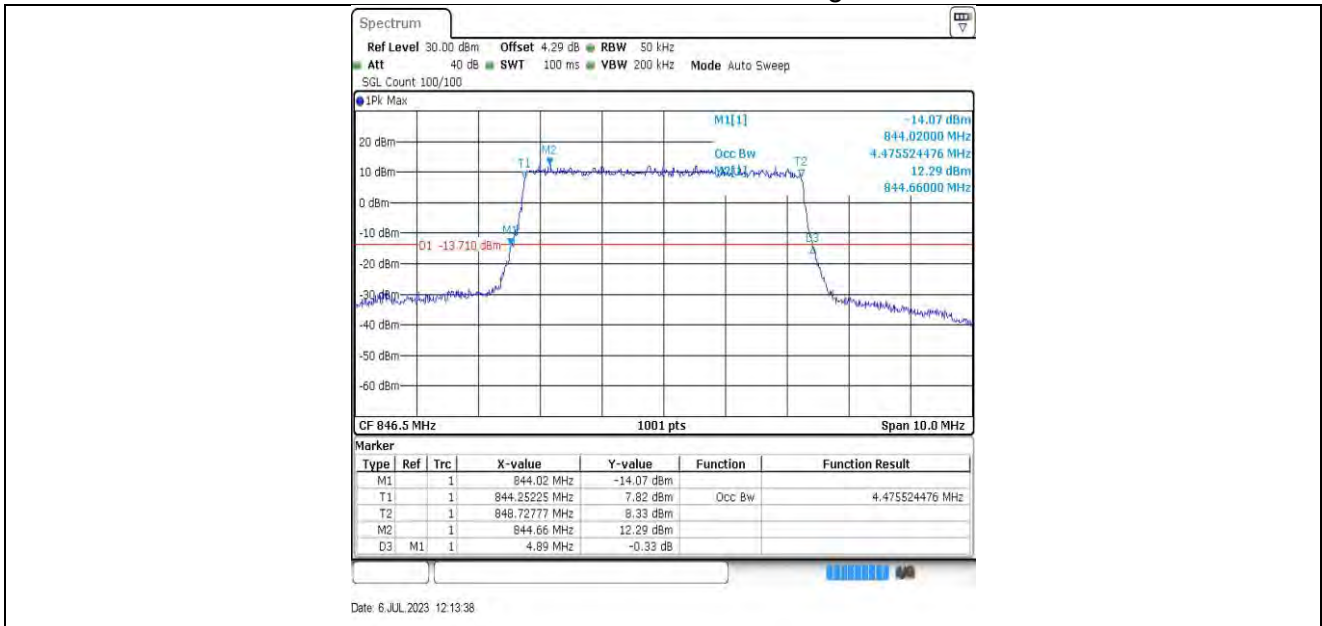
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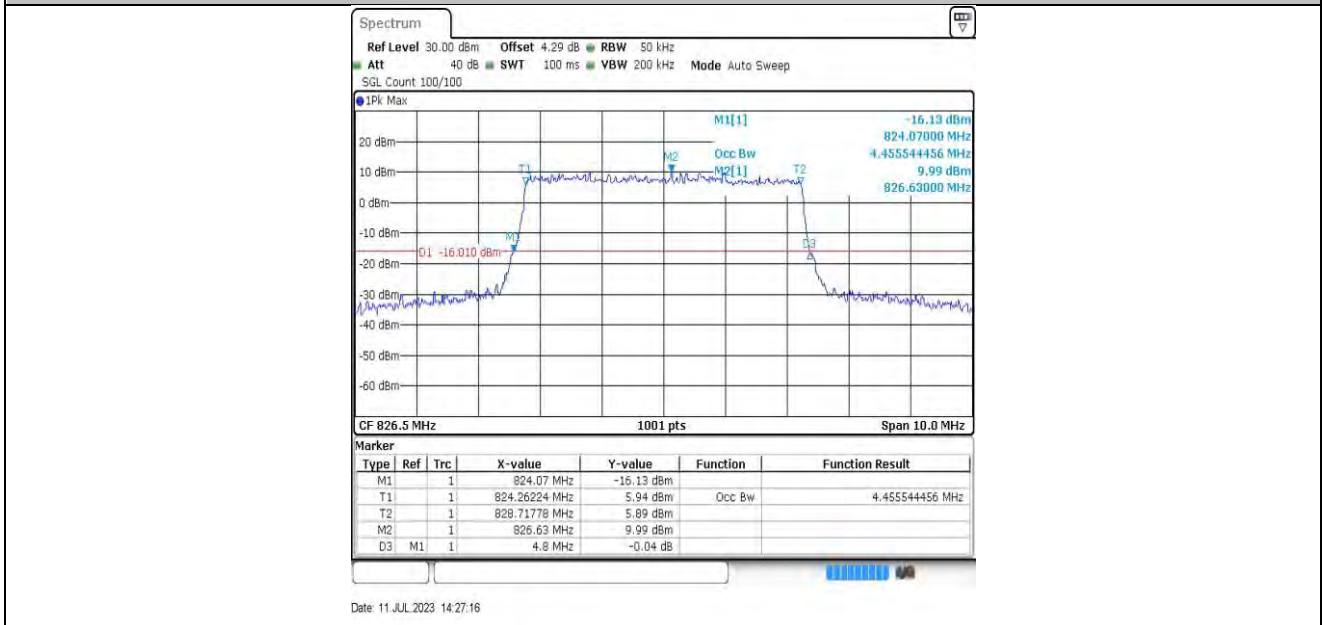
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5MHz-20625 64QAM



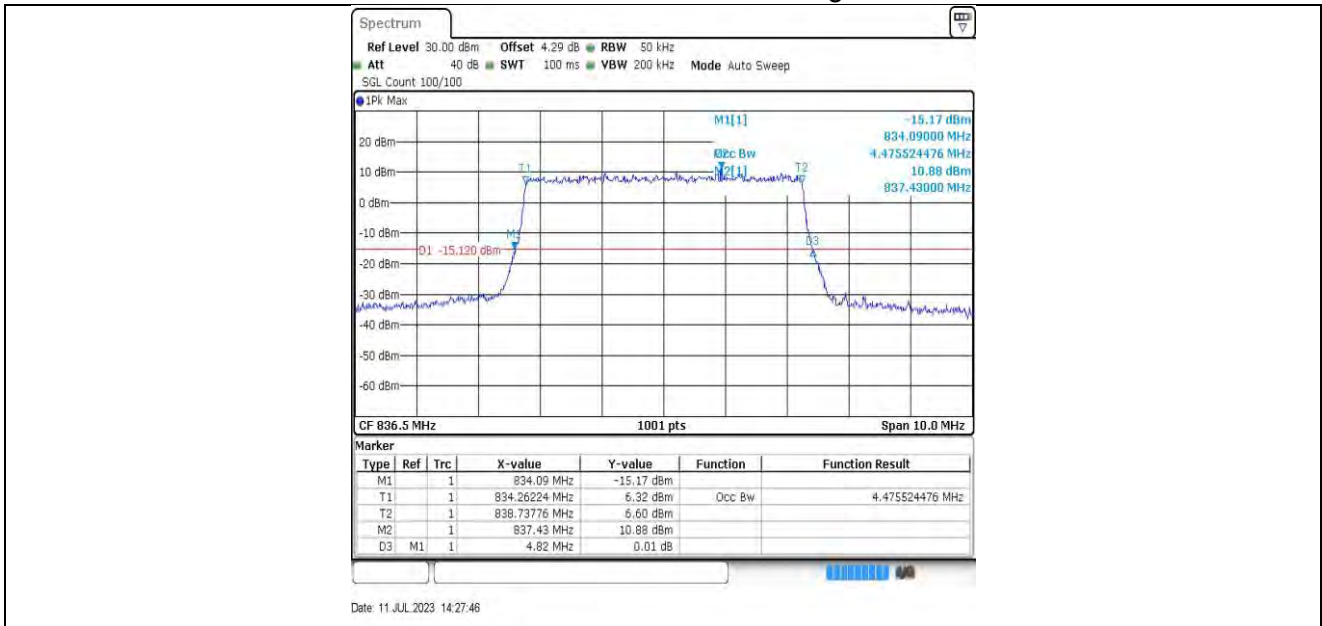
5MHz-20425 256QAM



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5MHz-20525 256QAM



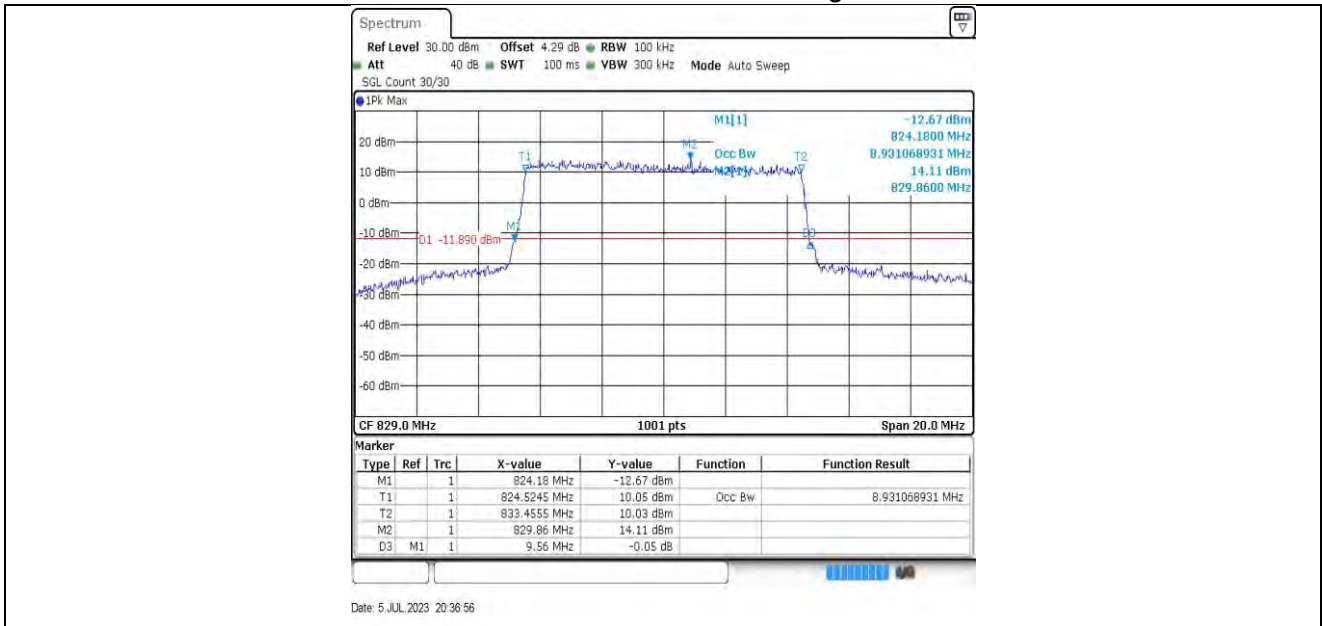
5MHz-20625 256QAM



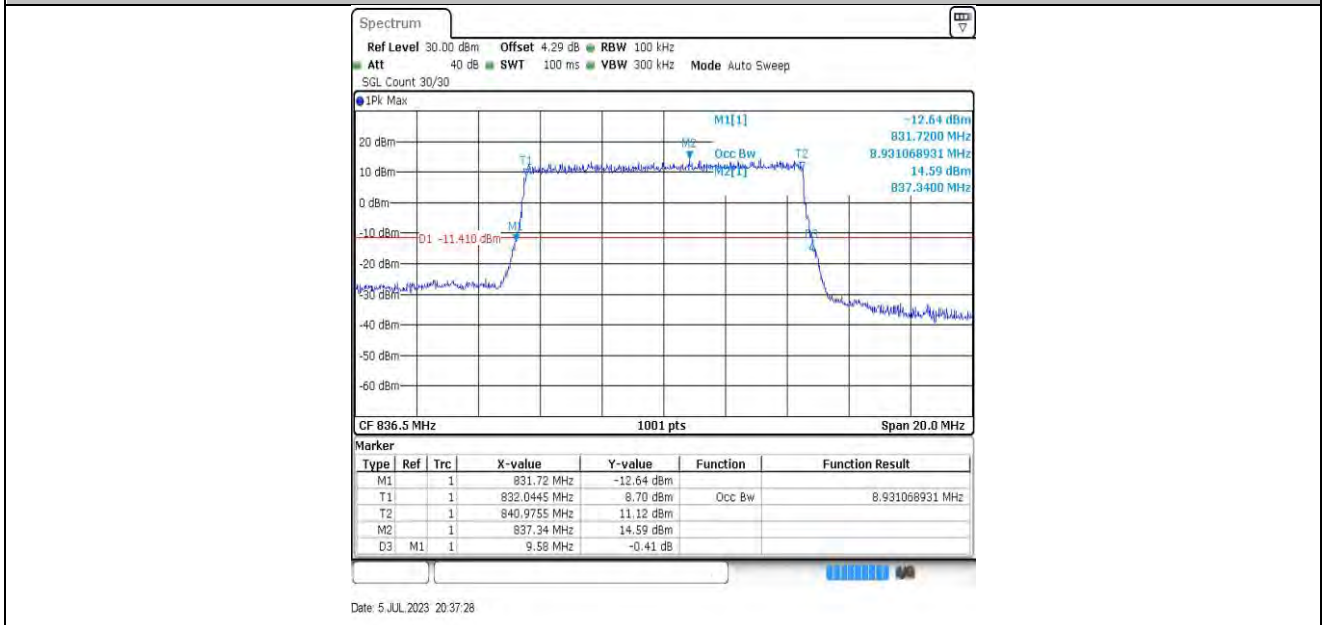
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10MHz-20450 QPSK



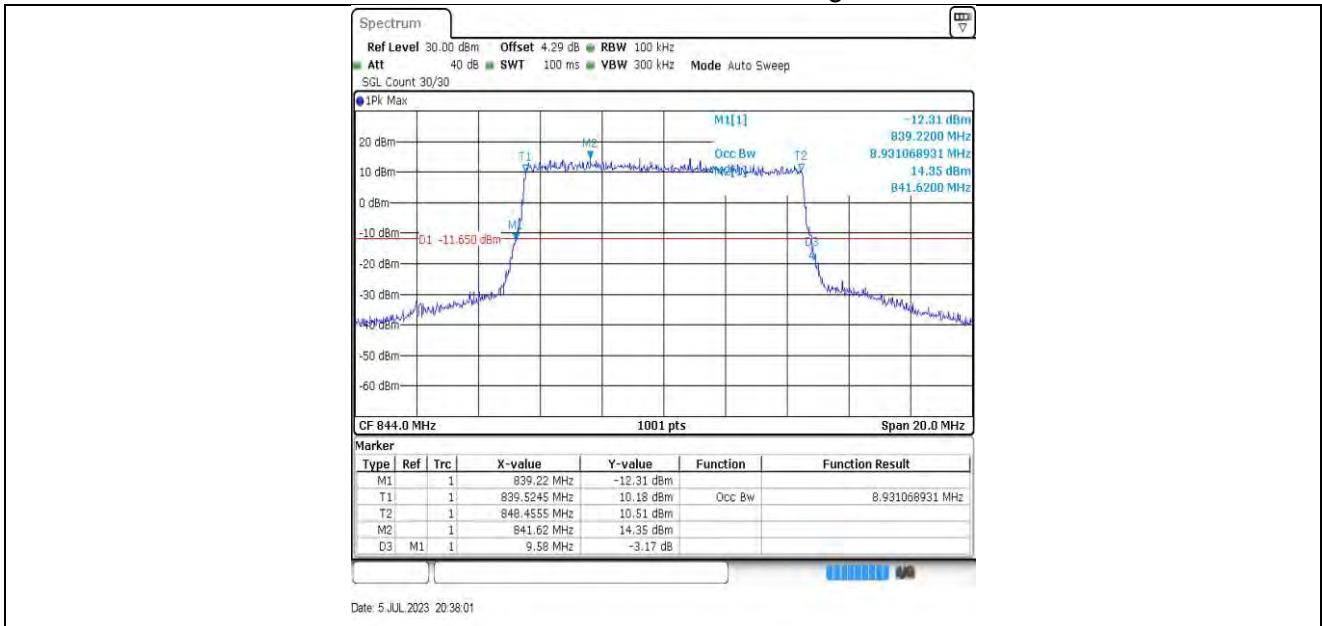
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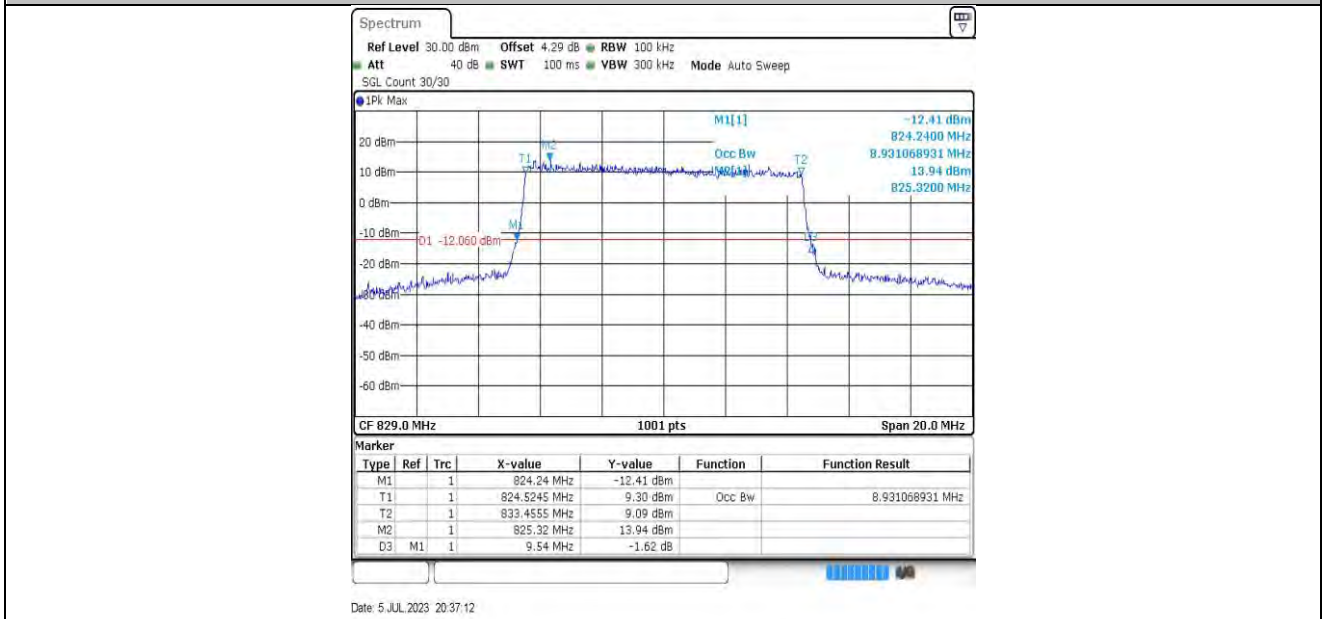
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10MHz-20600 QPSK



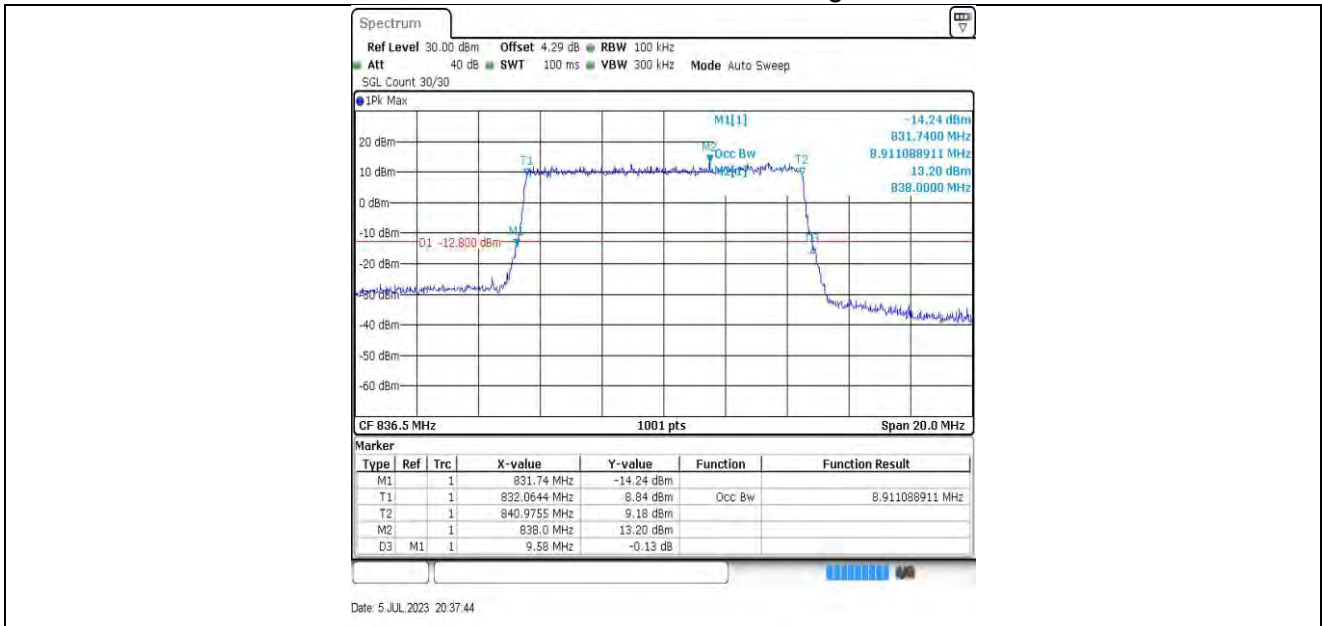
10MHz-20450 16QAM



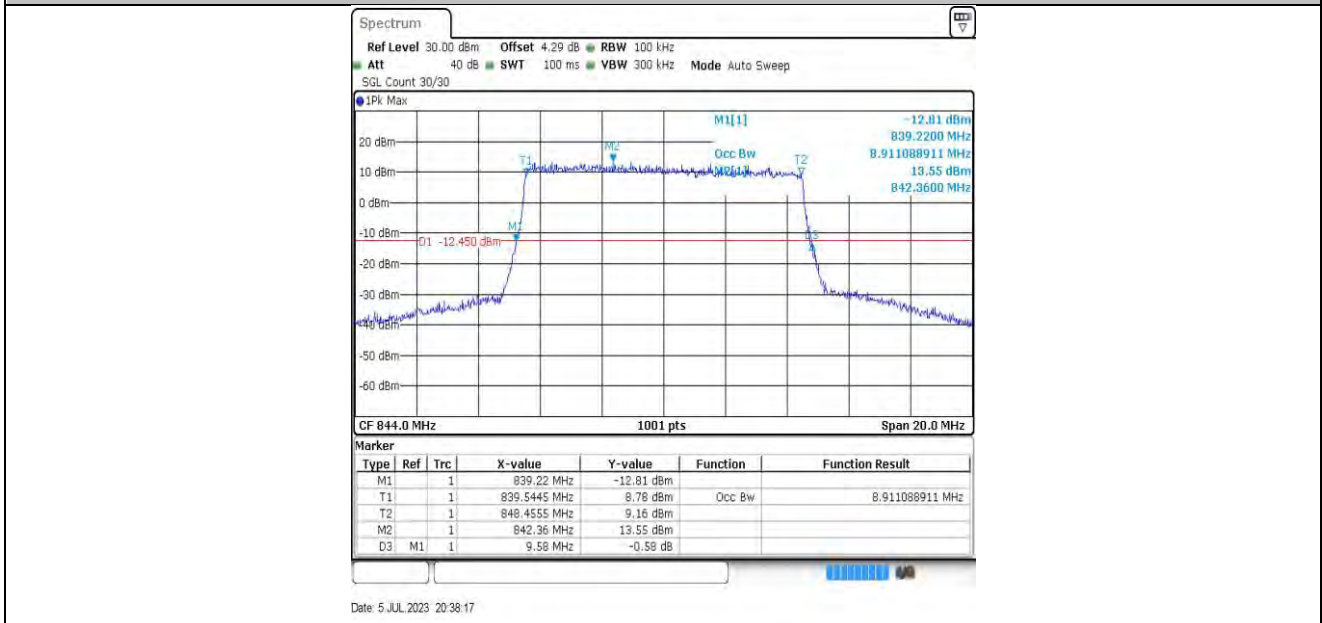
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10MHz-20525 16QAM



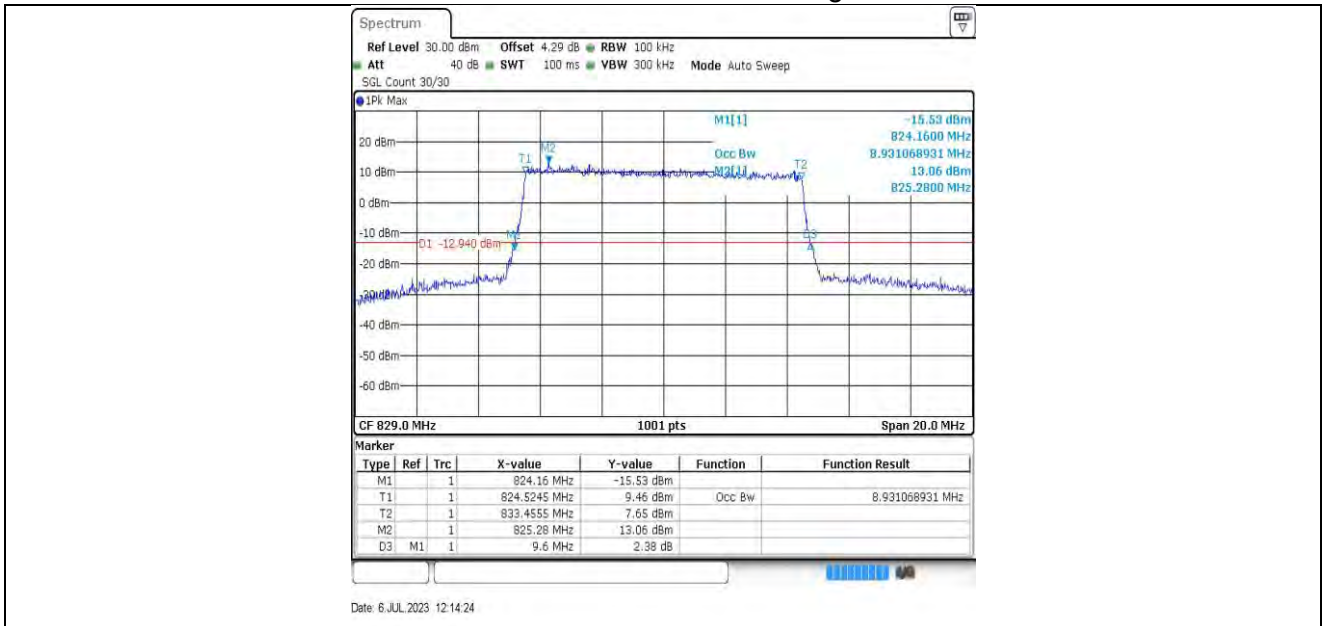
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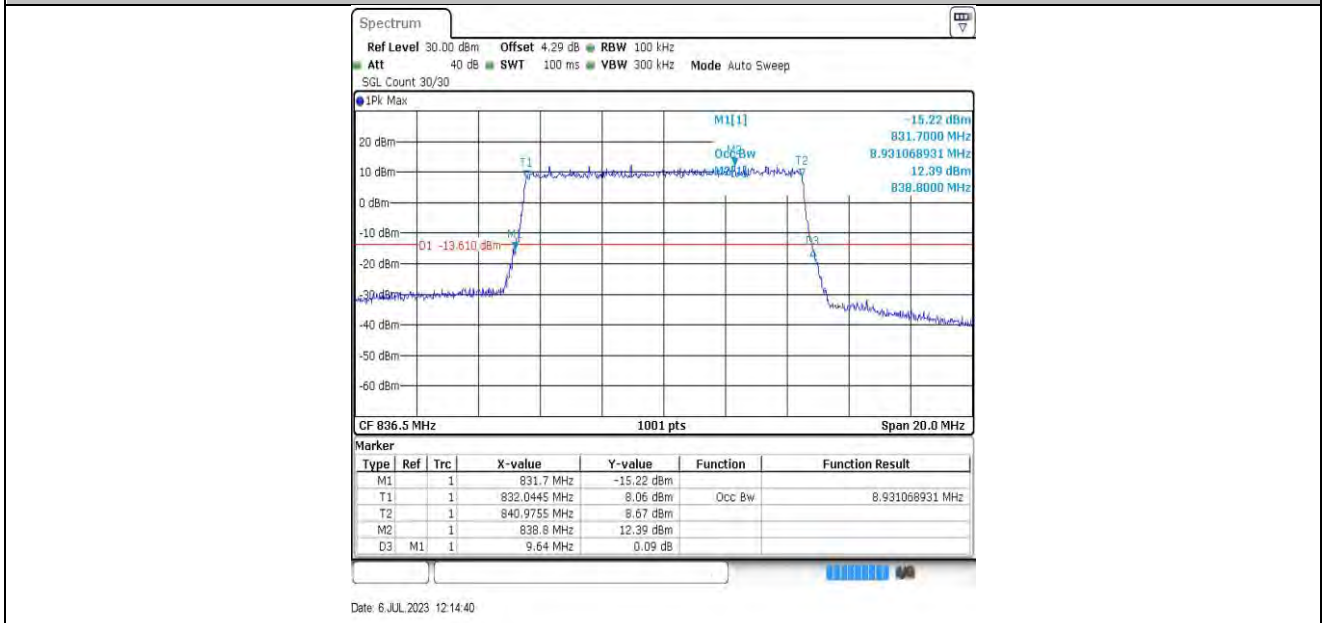
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10MHz-20450 64QAM



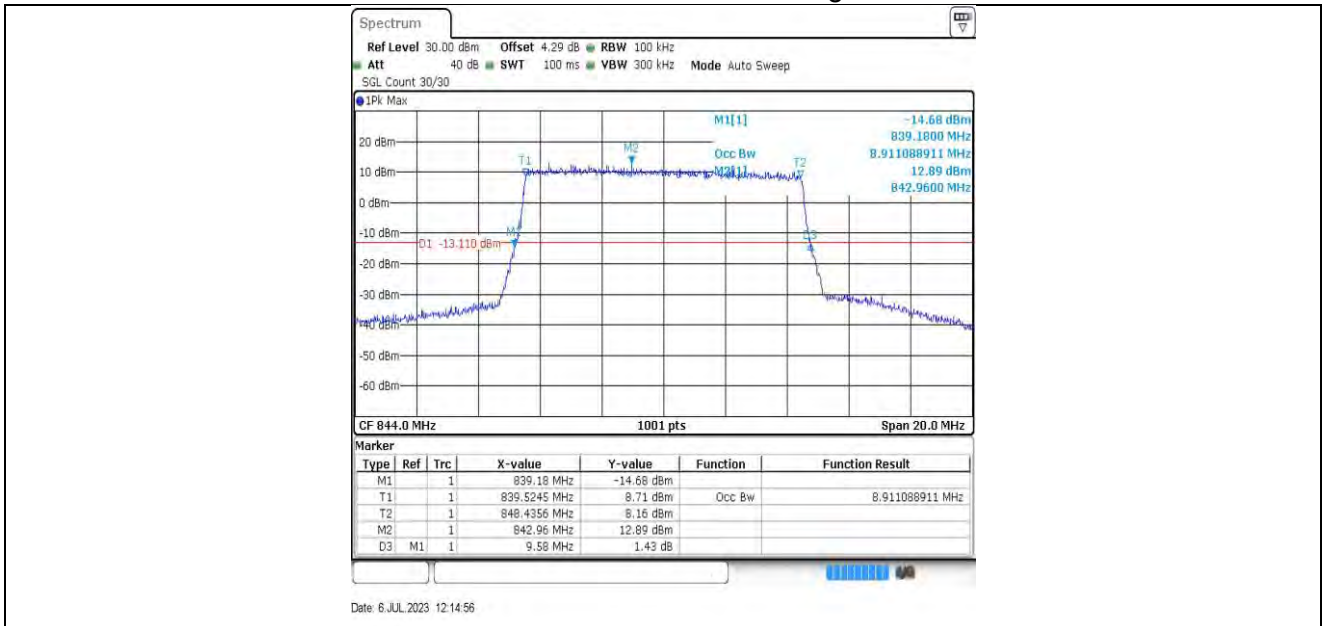
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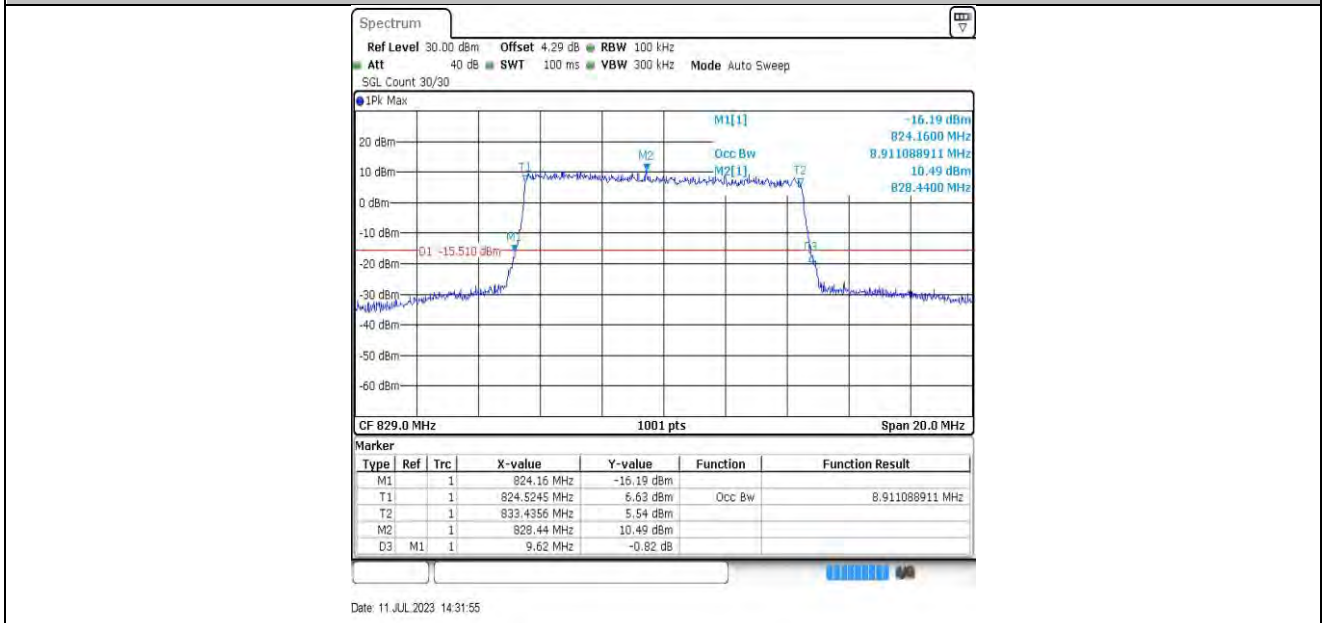
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10MHz-20600 64QAM



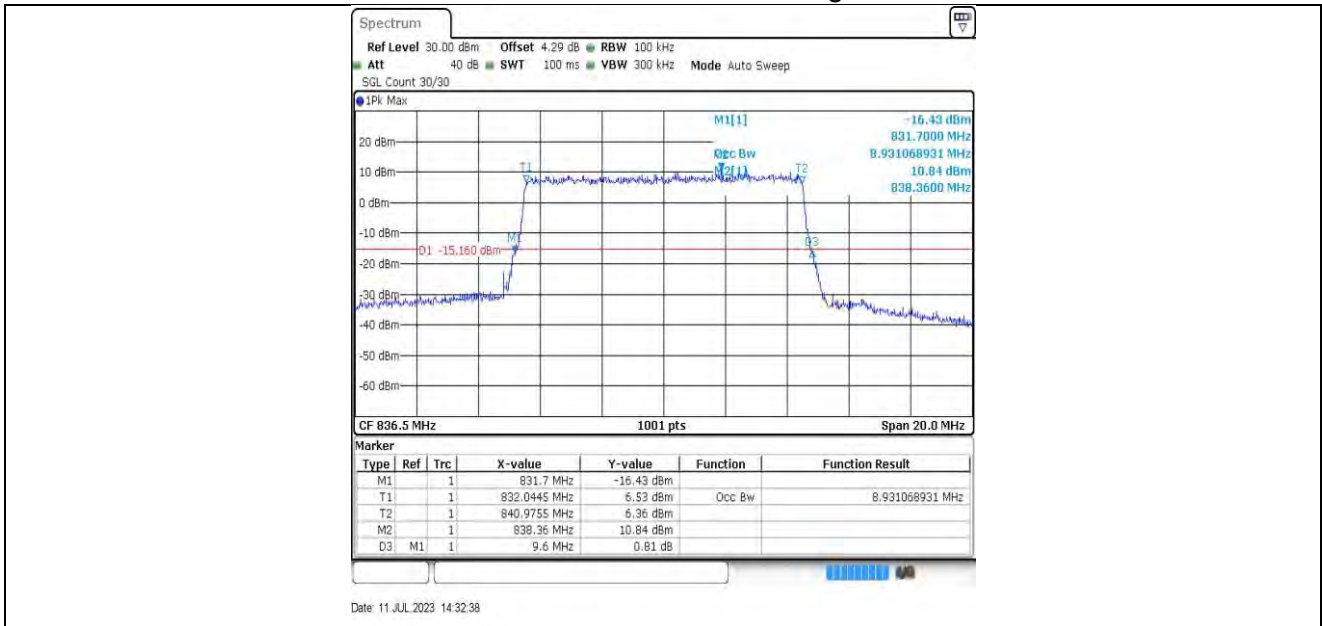
10MHz-20450 256QAM



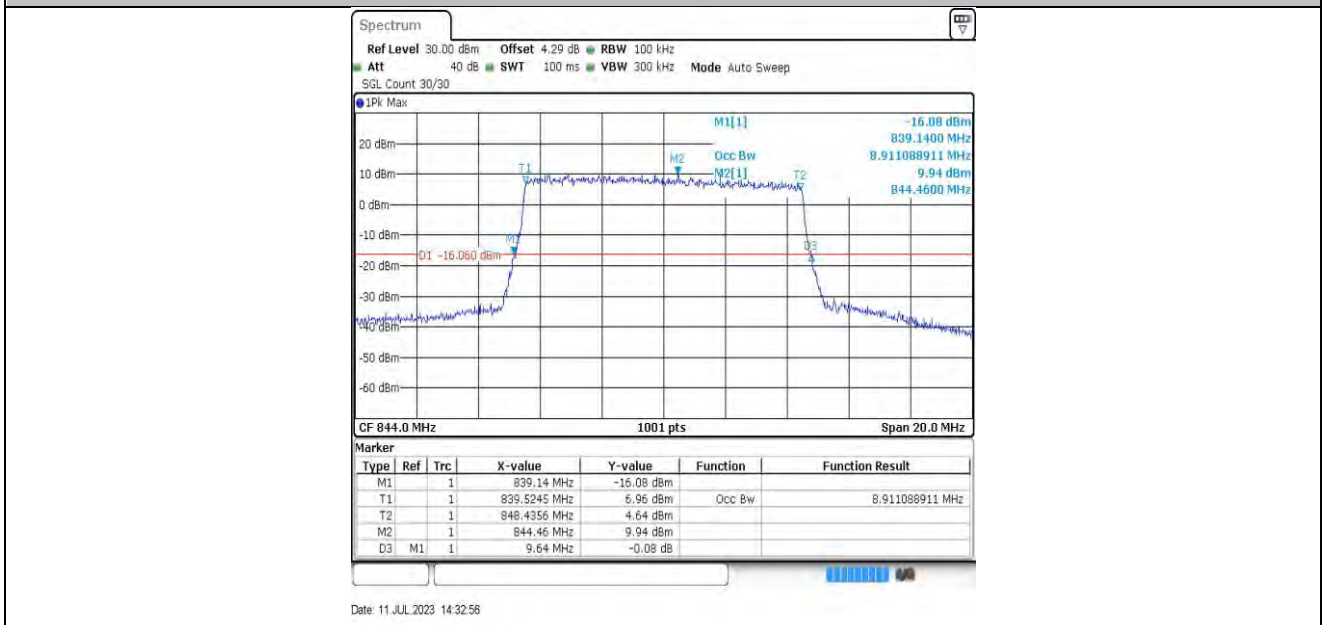
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10MHz-20525 256QAM



10MHz-20600 256QAM



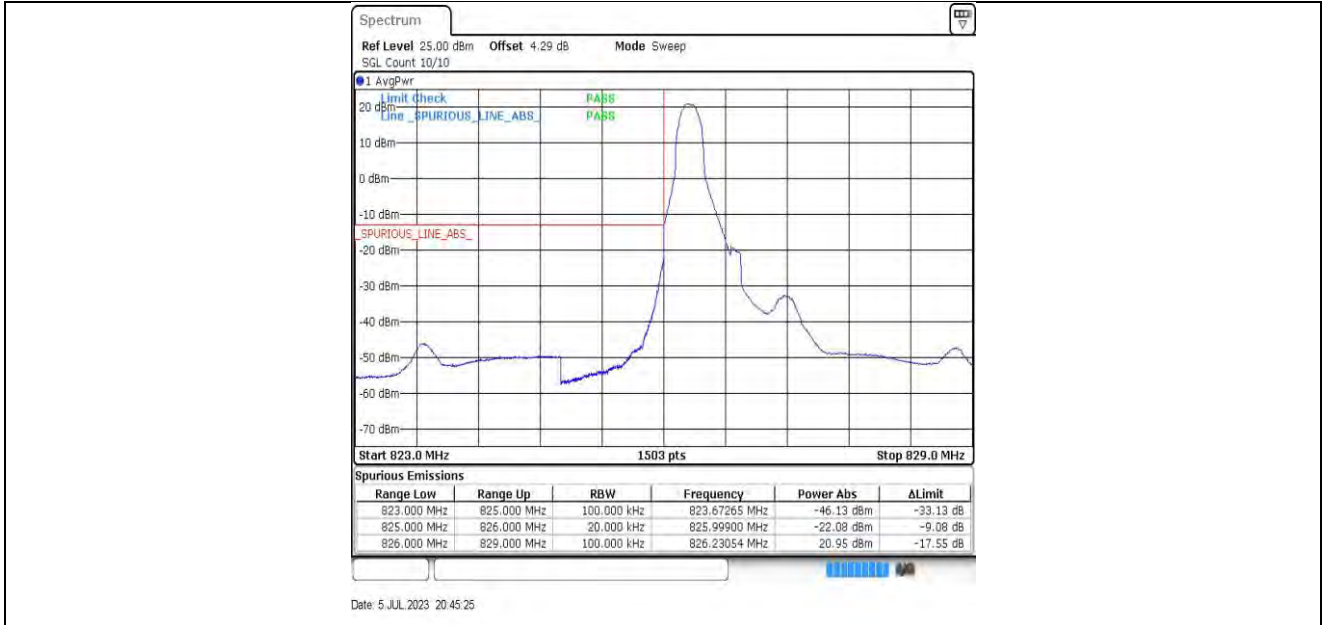
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Band Edge

Test Graphs



1.4MHz-20427

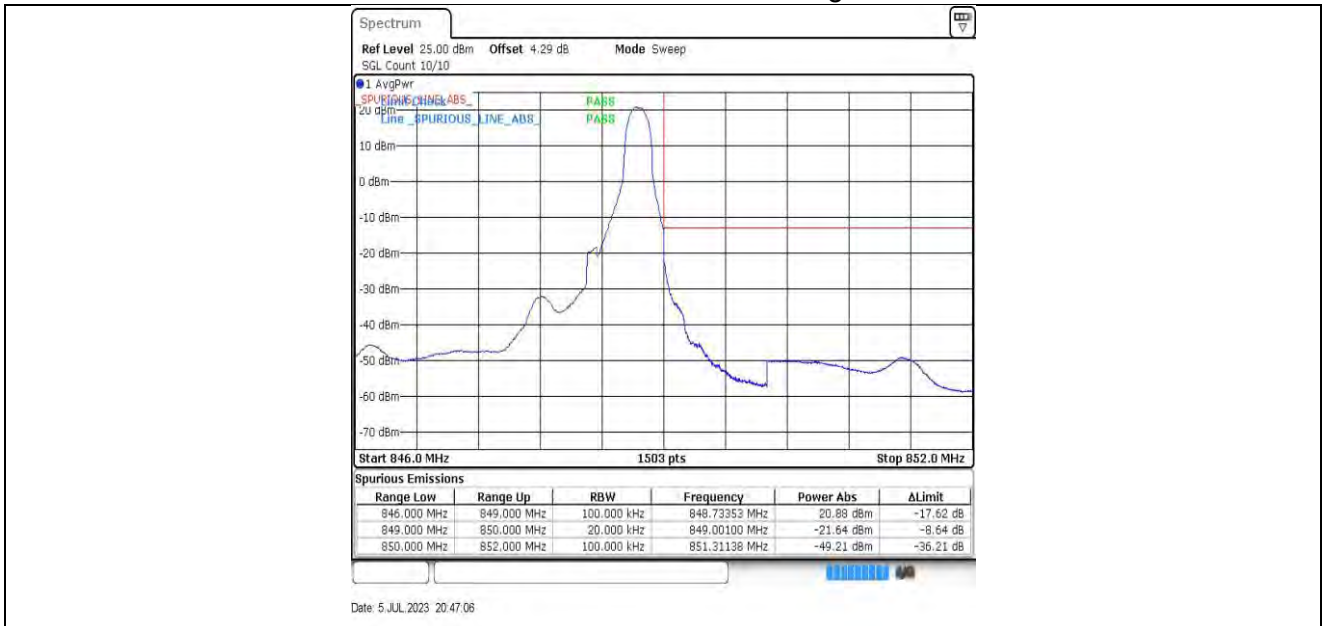


1.4MHz-20427



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1.4MHz-20643



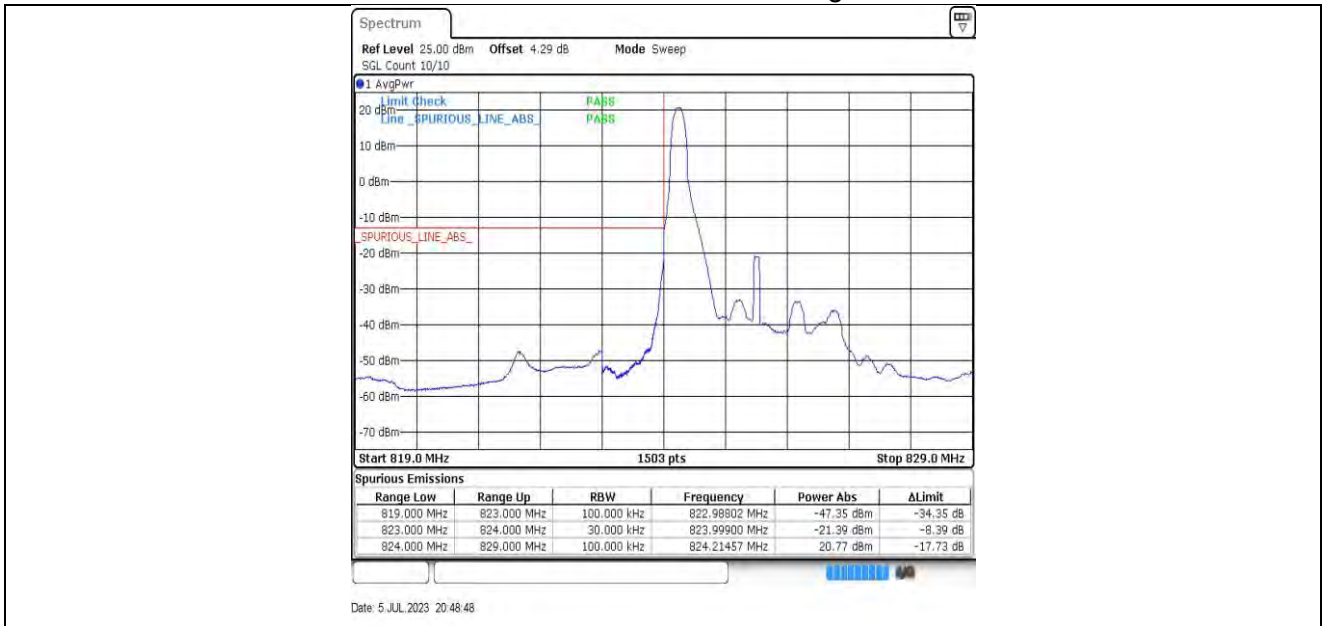
1.4MHz-20643



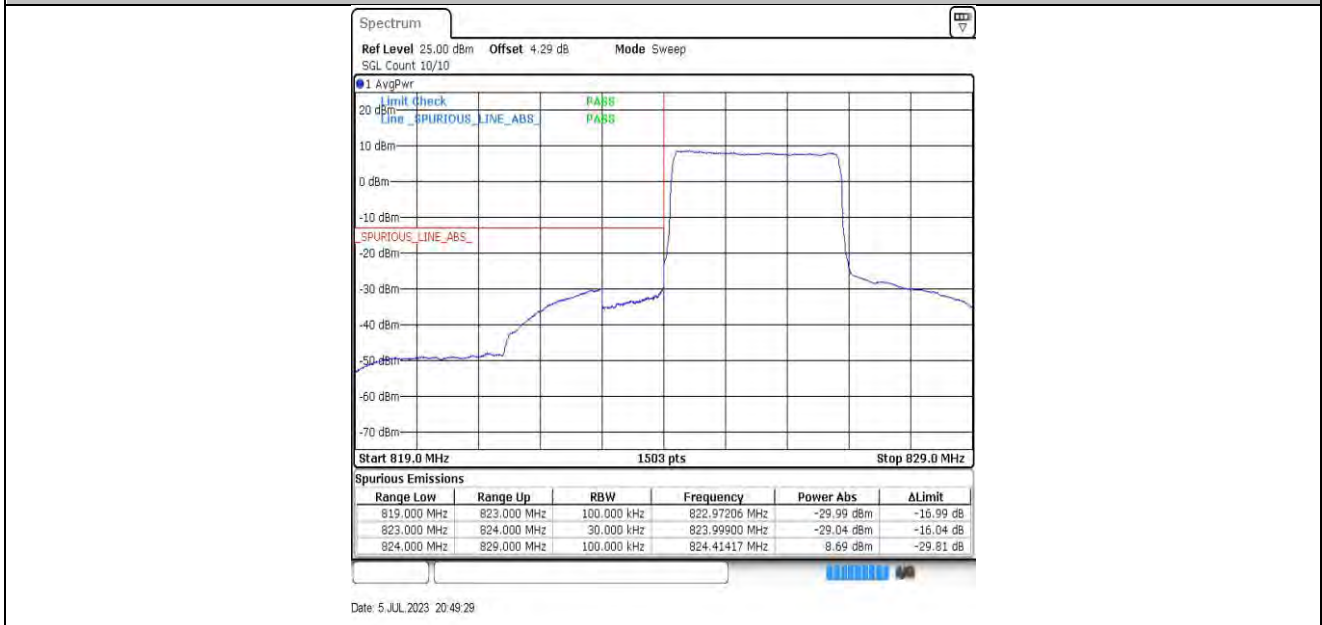
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3MHz-20415



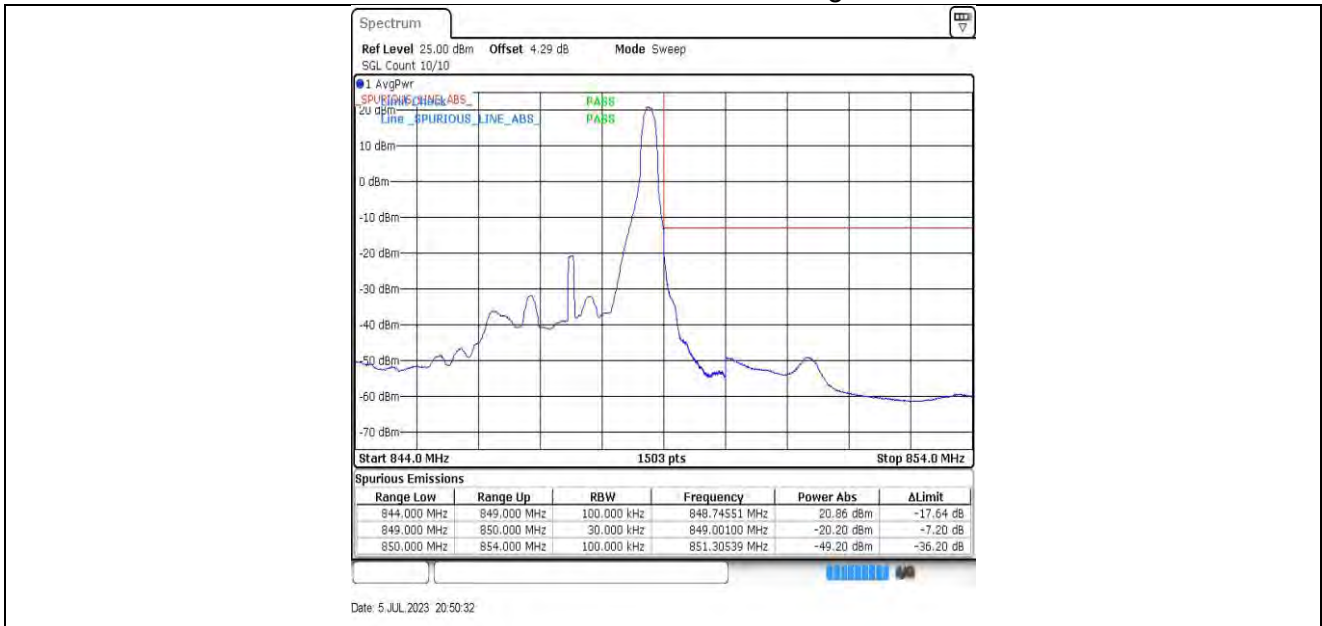
3MHz-20415



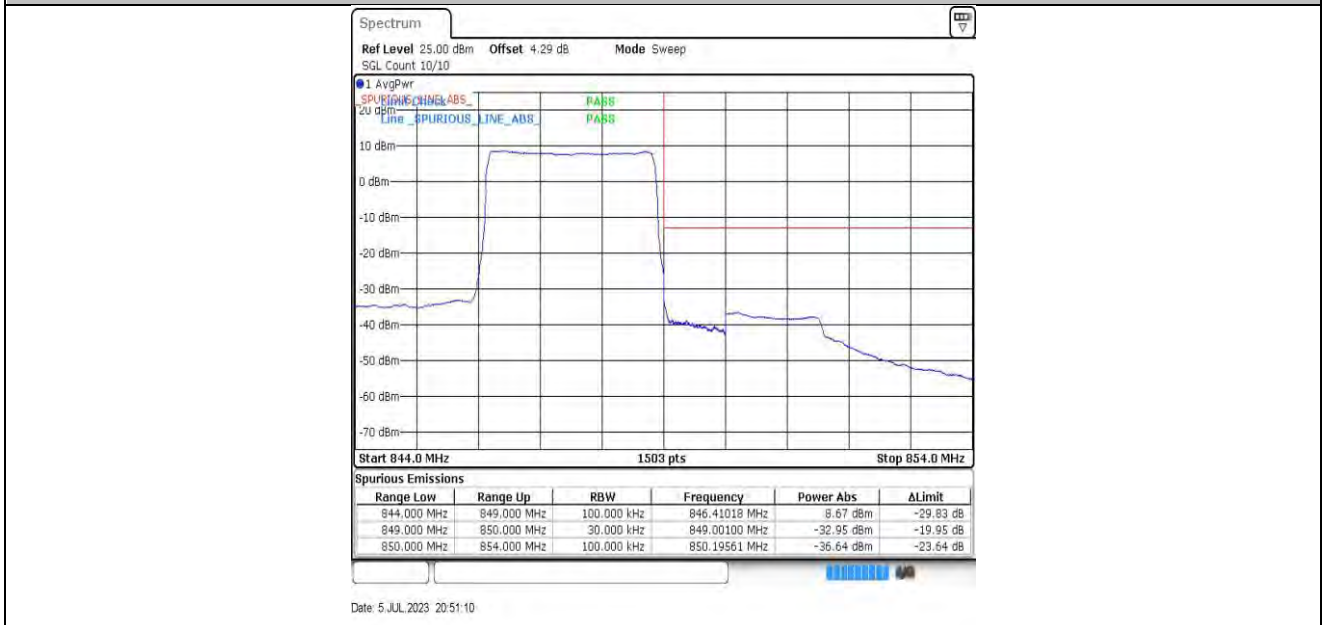
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3MHz-20635



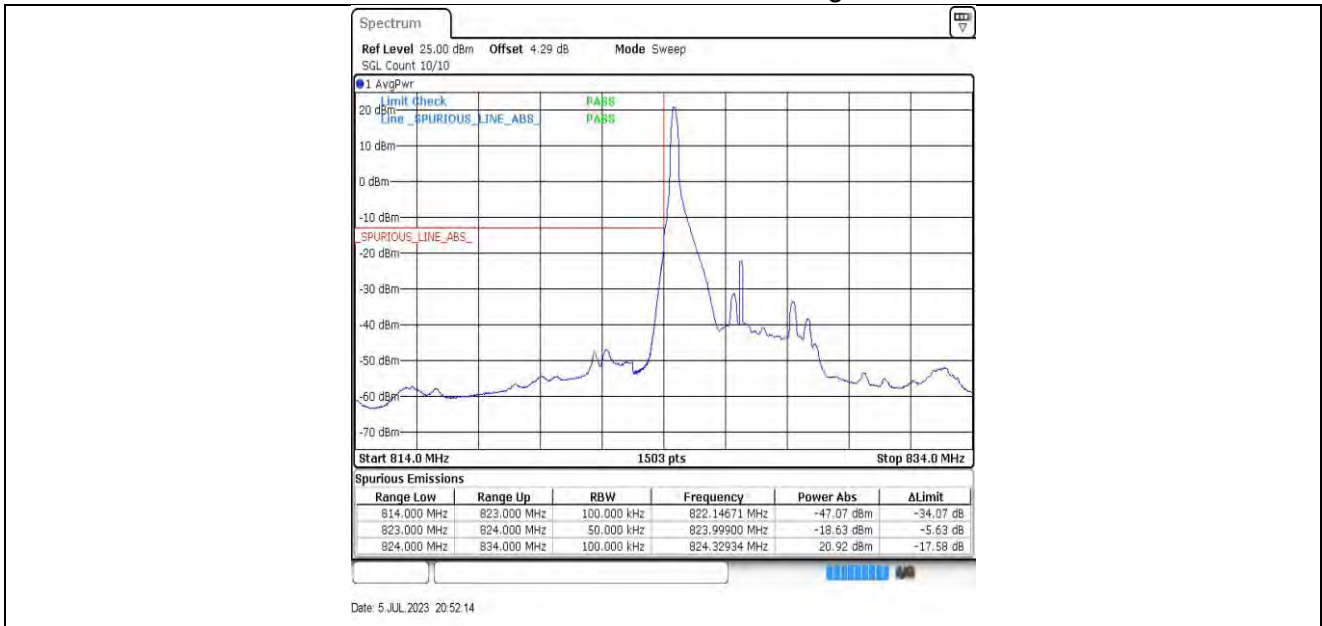
3MHz-20635



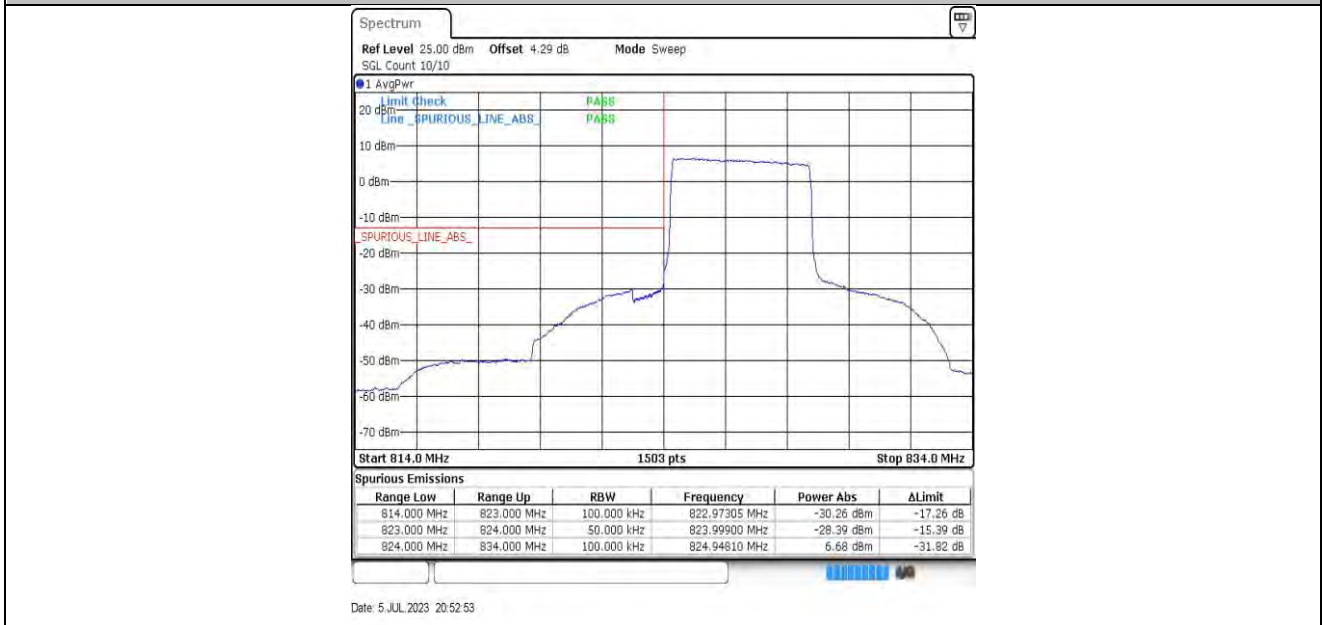
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5MHz-20425



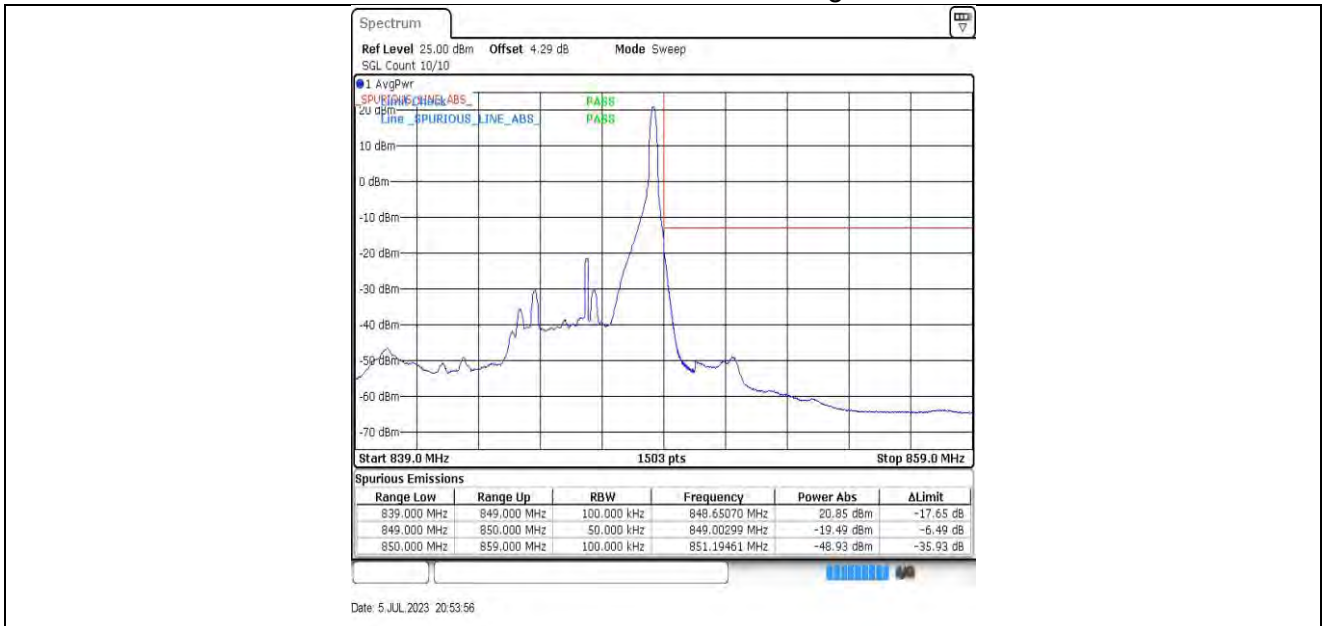
5MHz-20425



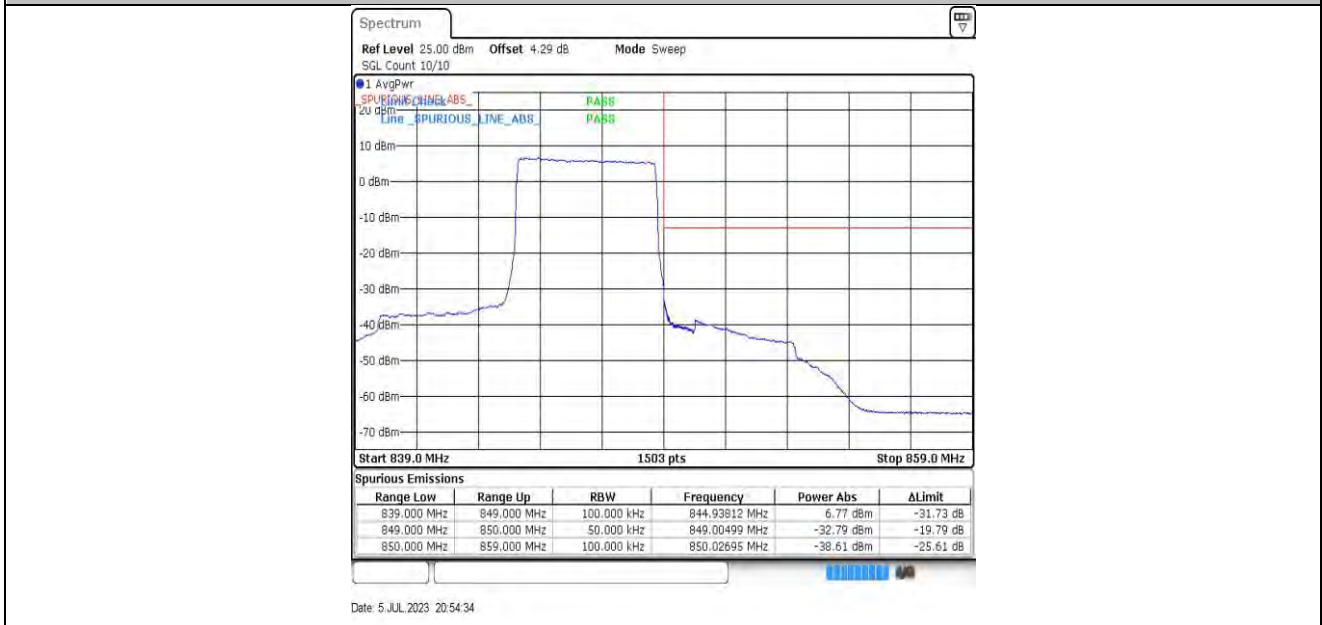
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5MHz-20625



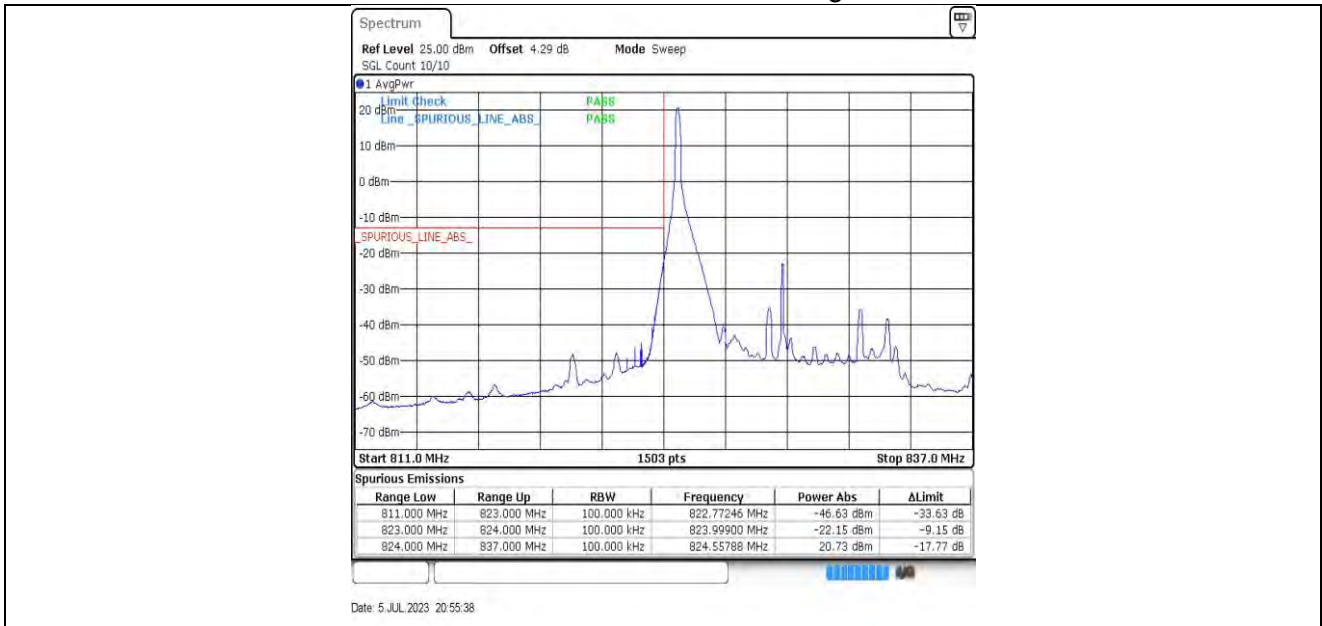
5MHz-20625



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10MHz-20450



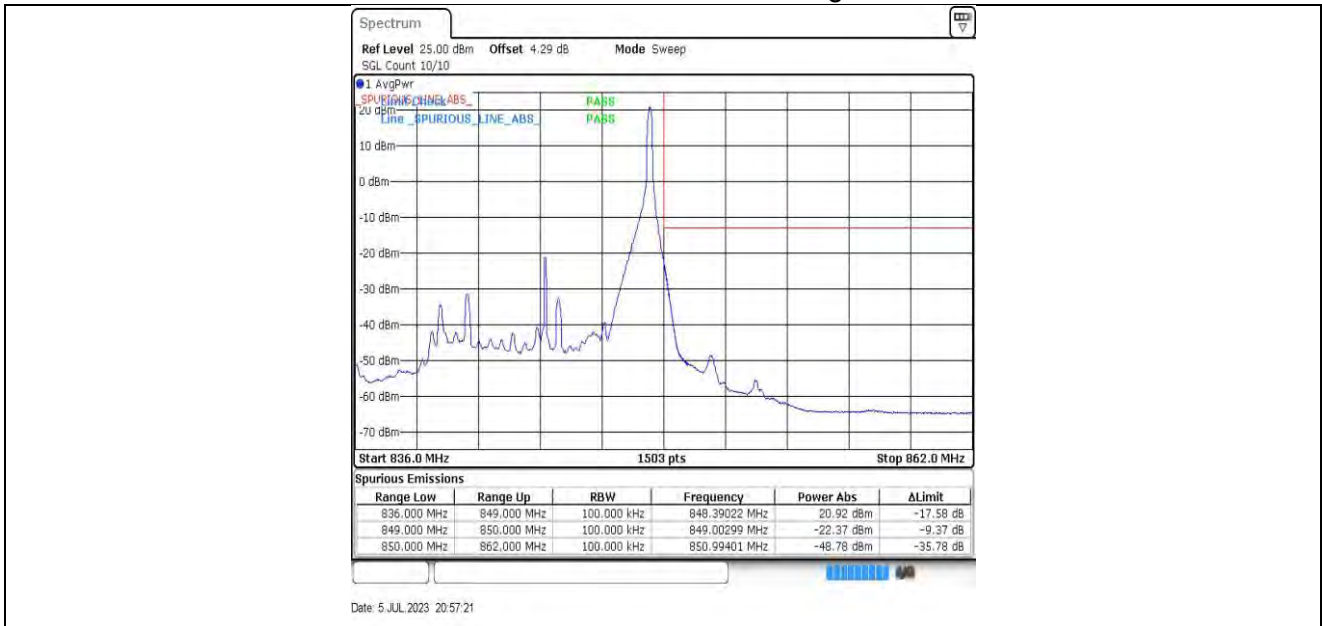
10MHz-20450



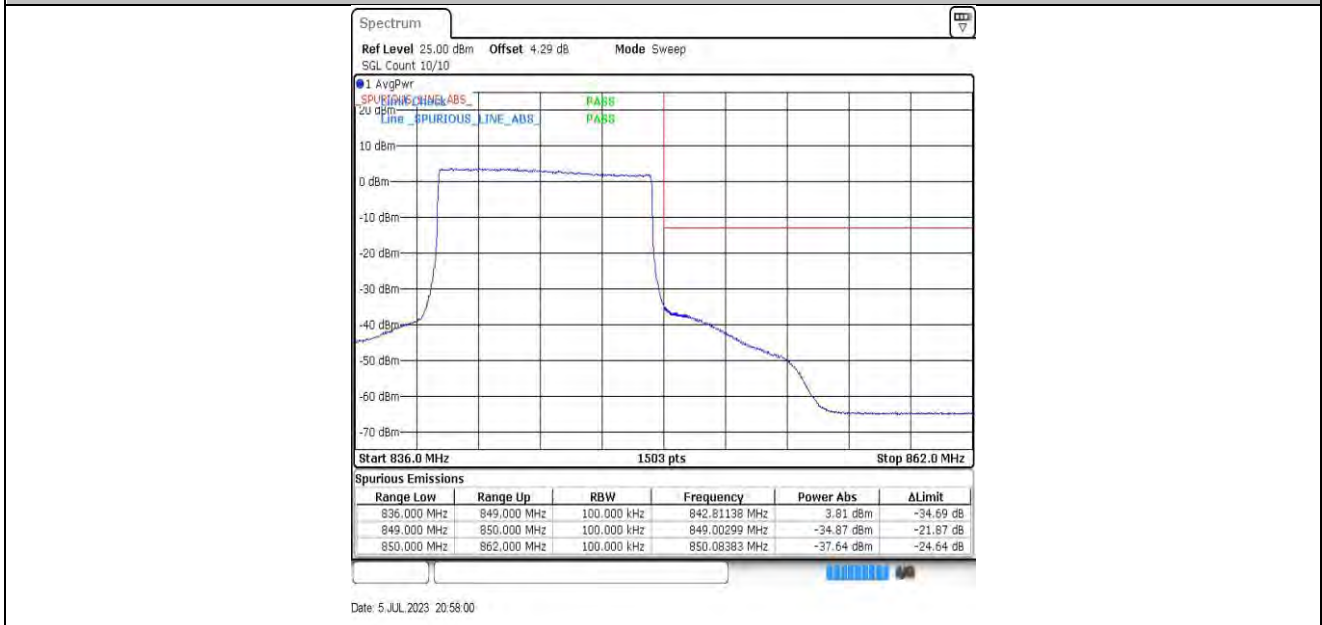
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10MHz-20600



10MHz-20600



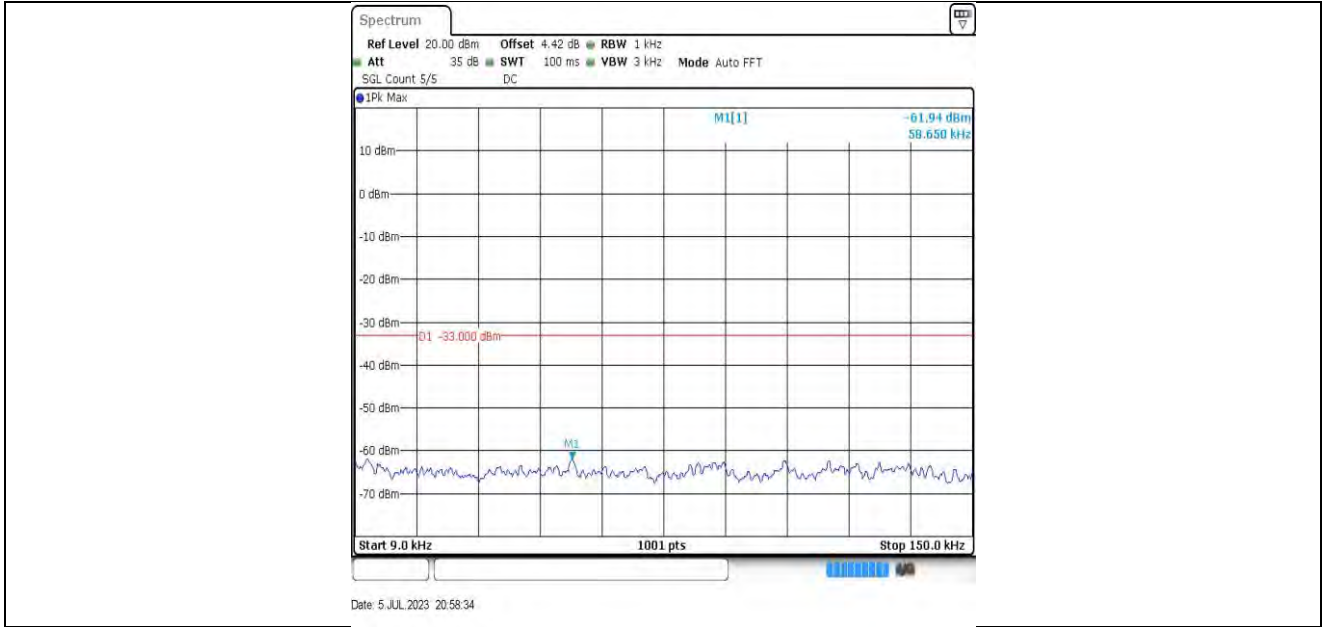
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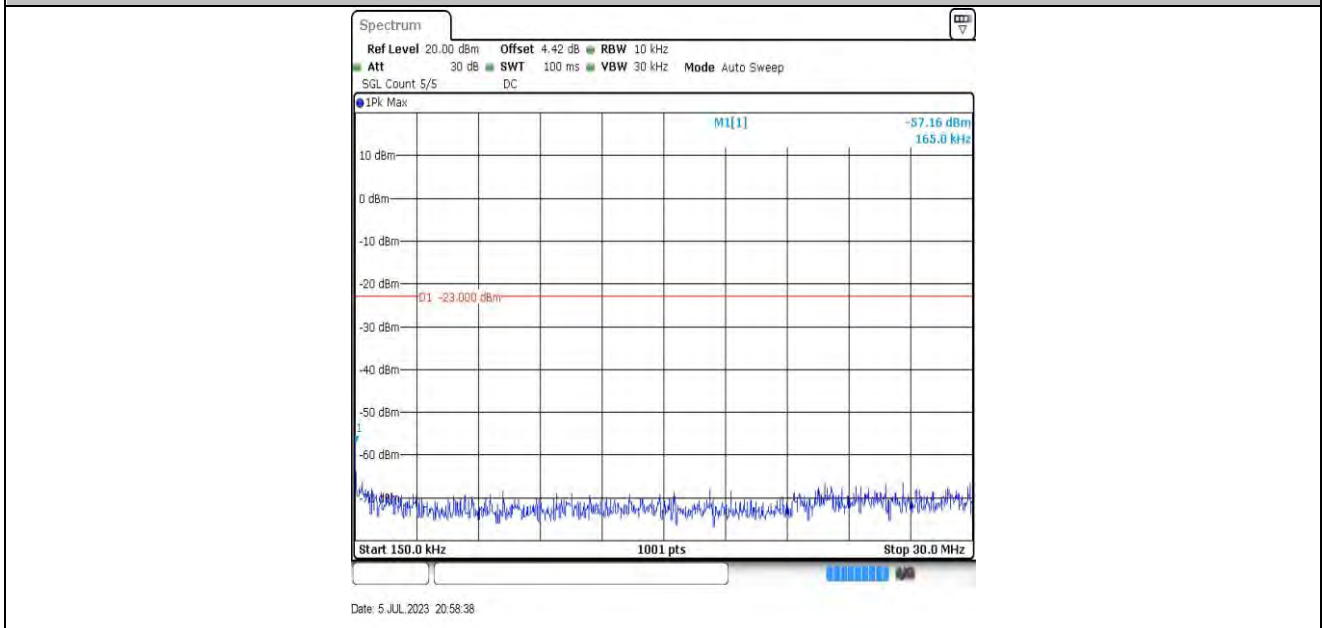
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Conducted Spurious Emission

Test Graphs



10MHz-20450



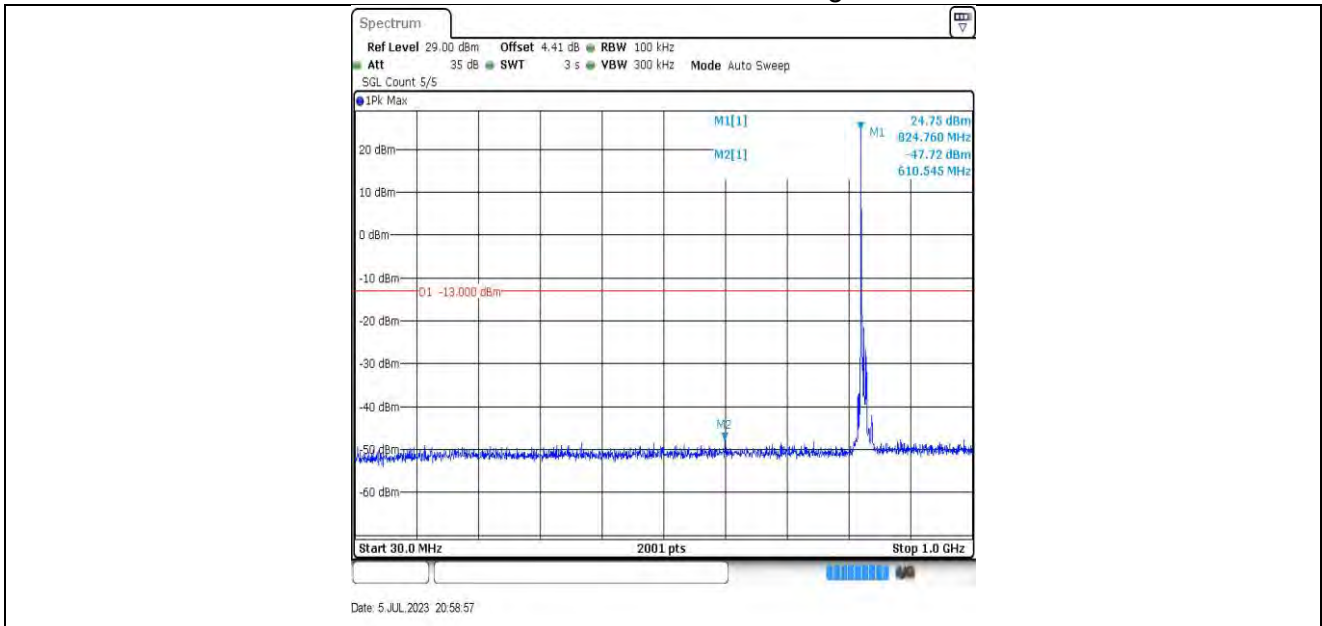
10MHz-20450



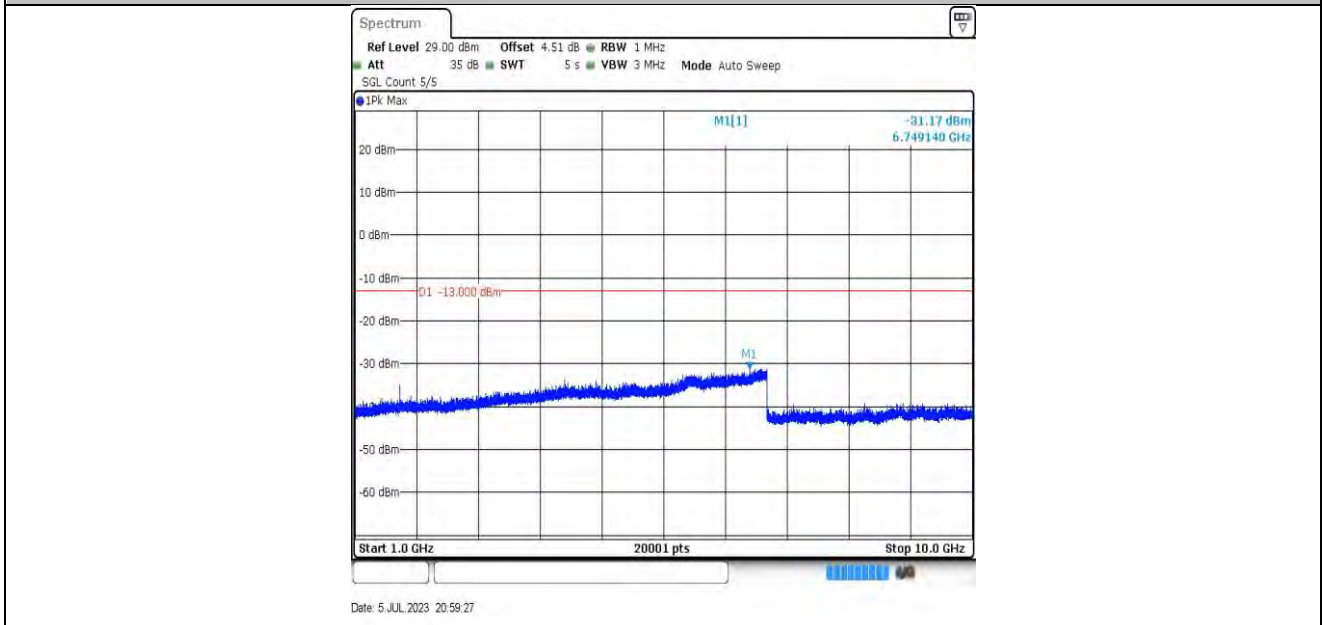
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10MHz-20450



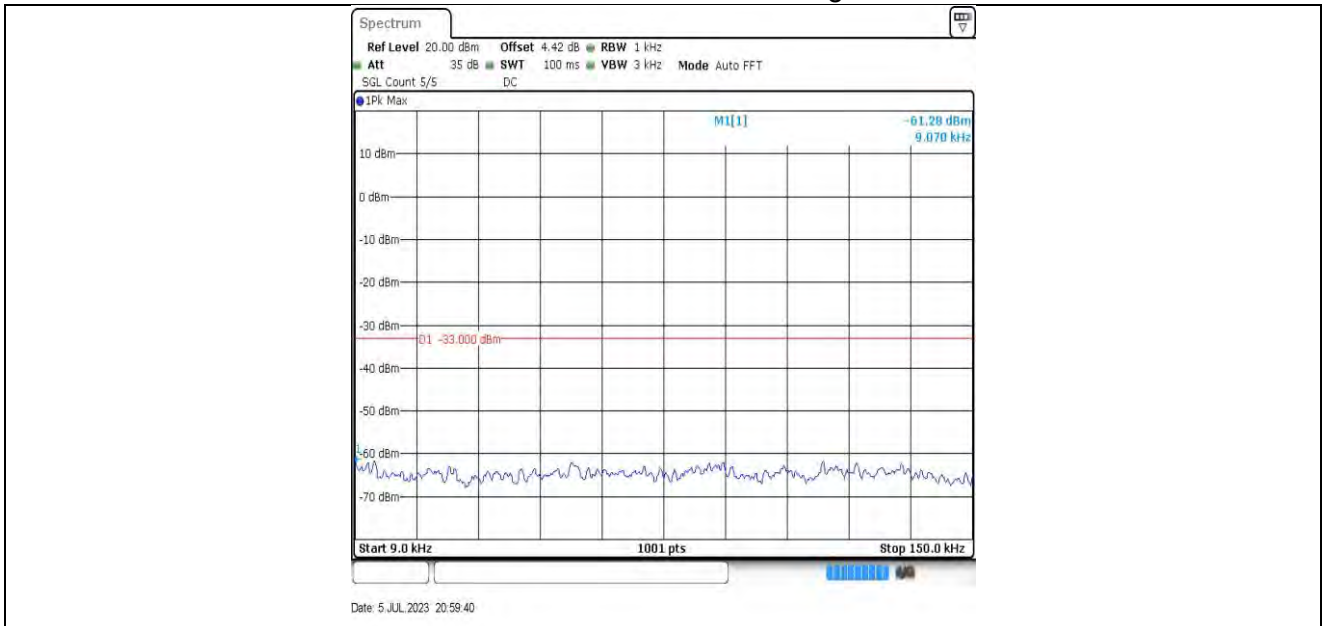
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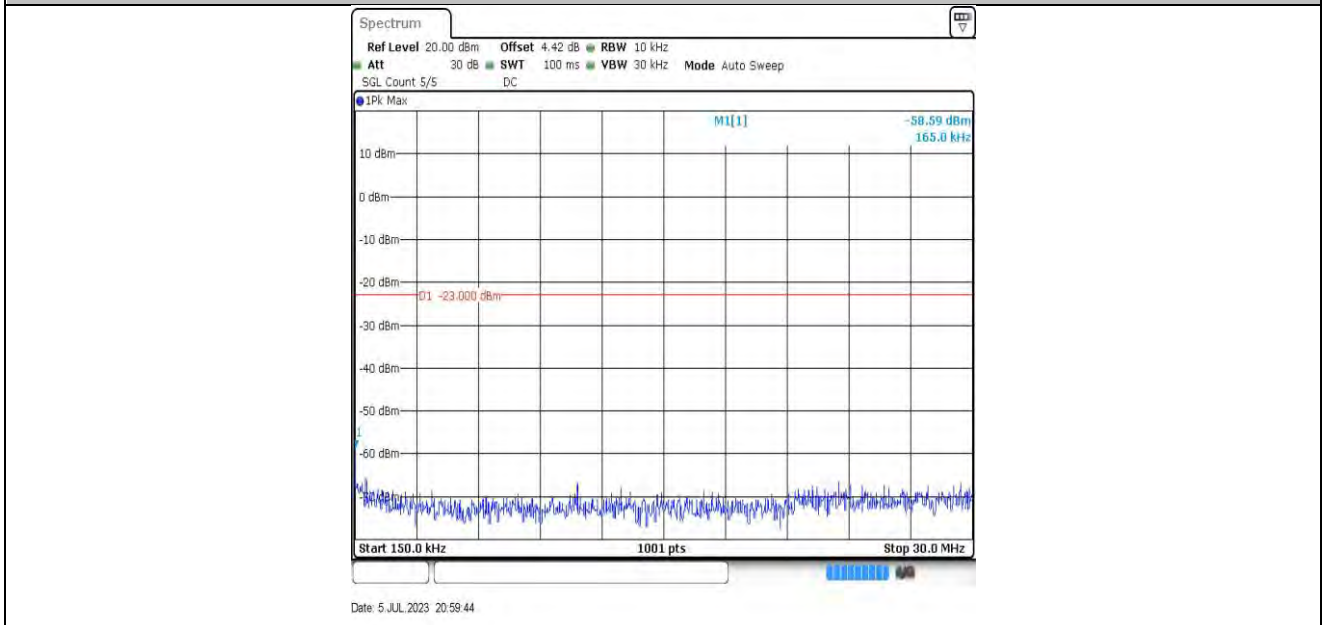
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10MHz-20525



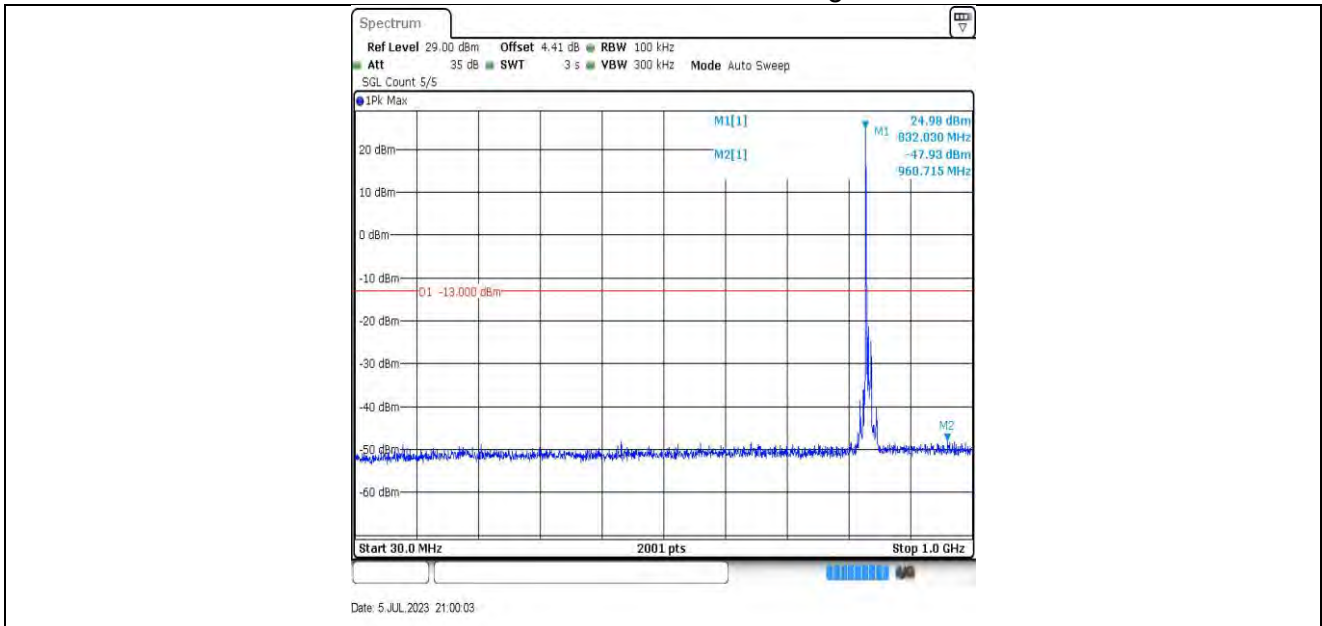
10MHz-20525



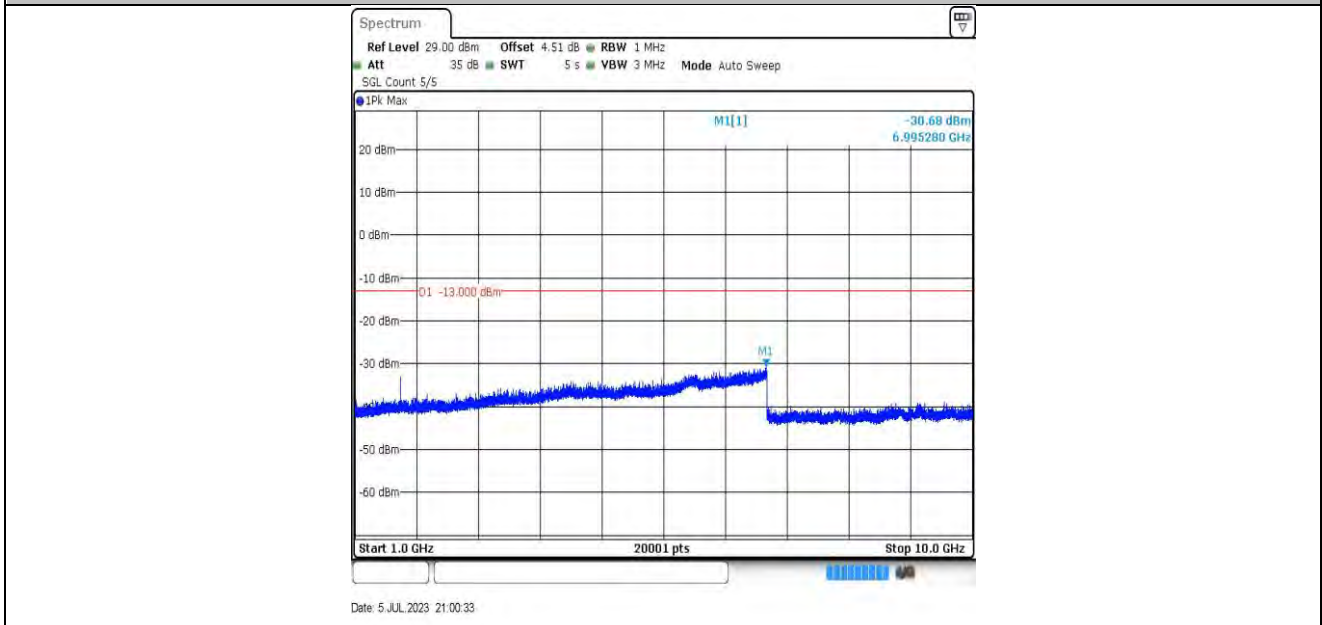
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10MHz-20525



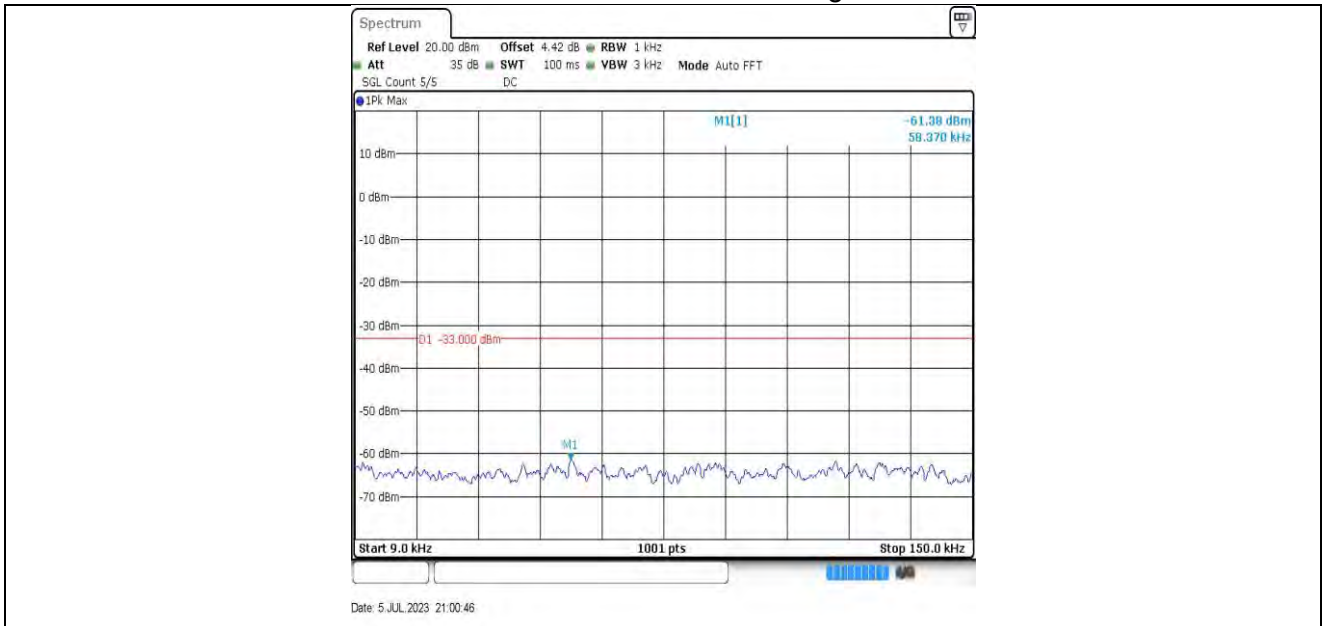
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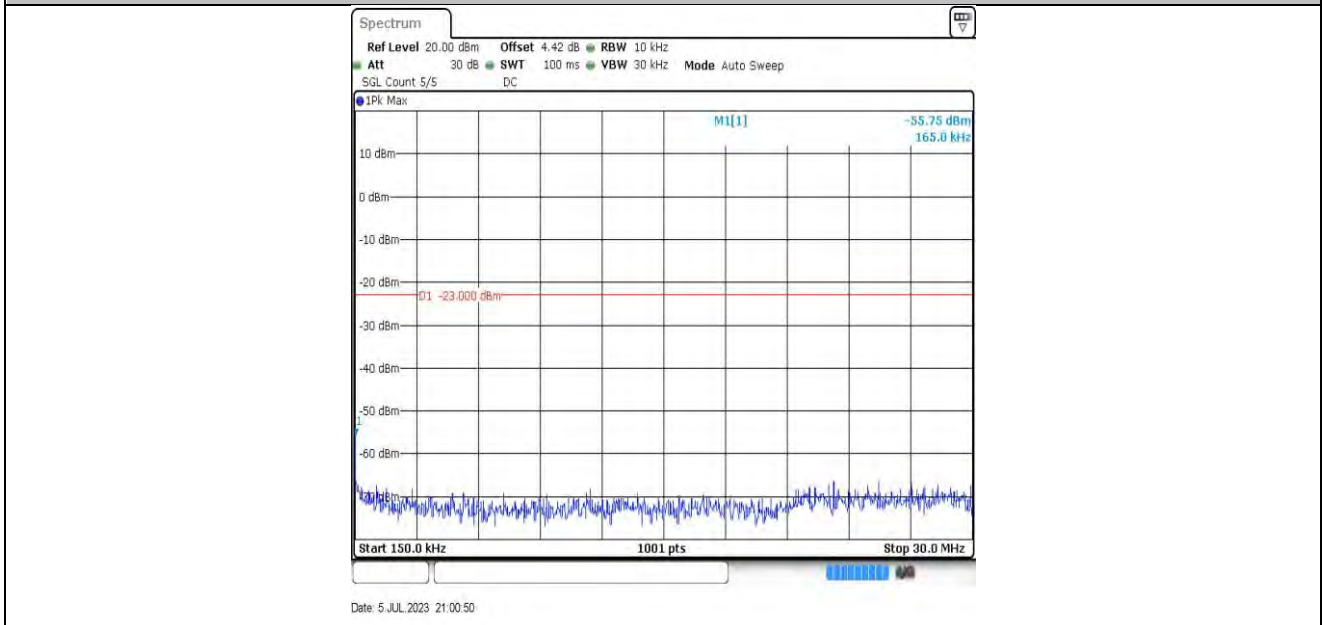
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10MHz-20600



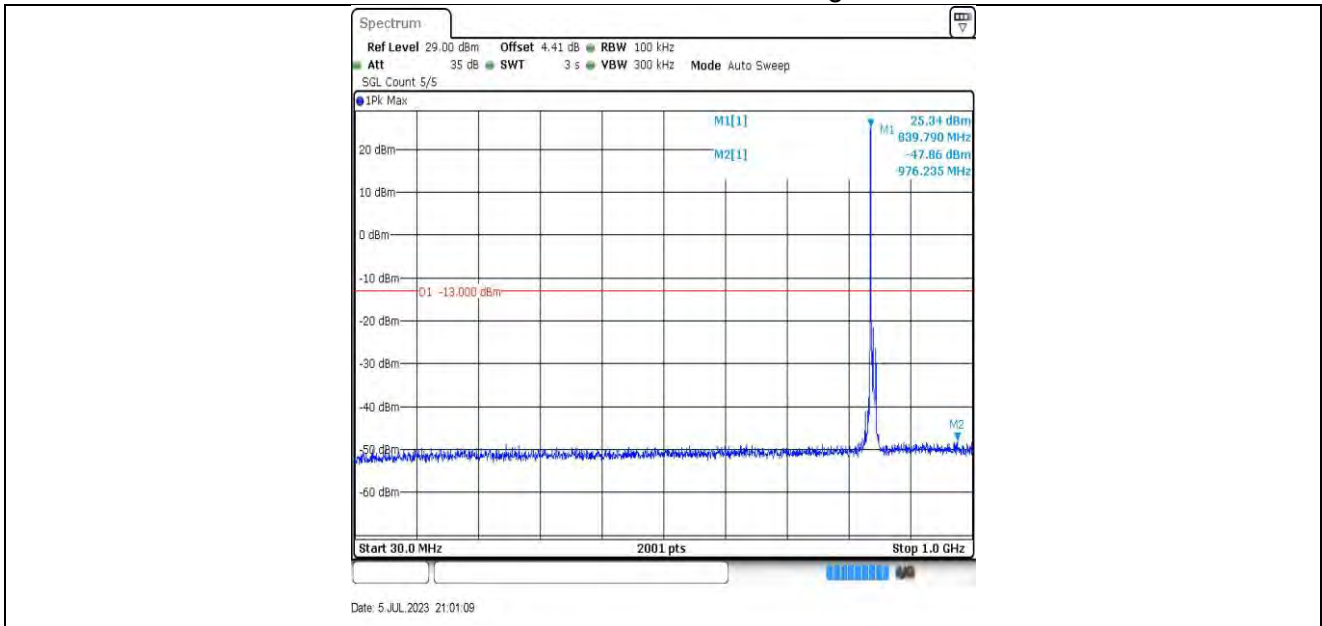
10MHz-20600



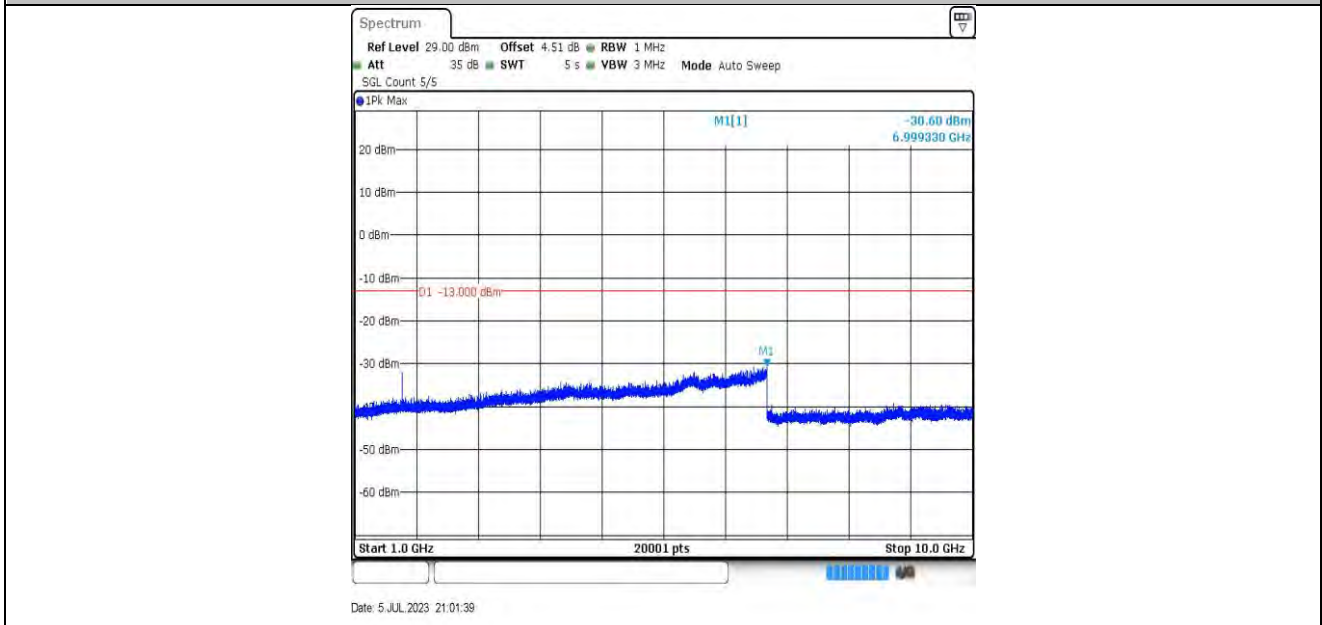
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10MHz-20600



10MHz-20600



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Field Strength of Spurious Radiation

Test Band = LTE Band 5_ TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.18	68.77	-49.83	25.30	-51.02	-13.00	38.02	Horizontal
2	2473.77	48.32	-49.05	27.27	-68.72	-13.00	55.72	Horizontal
3	3298.36	45.66	-48.63	28.62	-69.61	-13.00	56.61	Horizontal
4	4122.95	43.48	-48.28	29.62	-70.44	-13.00	57.44	Horizontal
5	4947.54	43.24	-48.07	31.37	-68.72	-13.00	55.72	Horizontal
6	5772.13	43.07	-47.66	32.75	-67.09	-13.00	54.09	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.18	61.75	-49.83	25.30	-58.04	-13.00	45.04	Vertical
2	2473.77	56.57	-49.05	27.27	-60.47	-13.00	47.47	Vertical
3	3298.36	49.14	-48.63	28.62	-66.13	-13.00	53.13	Vertical
4	4122.95	43.24	-48.28	29.62	-70.68	-13.00	57.68	Vertical
5	4947.54	42.56	-48.07	31.37	-69.40	-13.00	56.40	Vertical
6	5772.13	43.51	-47.66	32.75	-66.65	-13.00	53.65	Vertical



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Test Band = LTE Band 5_ TM1
Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664.18	61.69	-49.79	25.36	-58.01	-13.00	45.01	Horizontal
2	2496.27	43.99	-48.92	27.30	-72.89	-13.00	59.89	Horizontal
3	3328.36	43.80	-48.65	28.63	-71.48	-13.00	58.48	Horizontal
4	4160.45	43.45	-48.32	29.69	-70.44	-13.00	57.44	Horizontal
5	4992.54	43.60	-47.97	31.48	-68.15	-13.00	55.15	Horizontal
6	5824.63	42.60	-47.55	32.76	-67.44	-13.00	54.44	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664.18	55.08	-49.79	25.36	-64.62	-13.00	51.62	Vertical
2	2496.27	46.56	-48.92	27.30	-70.32	-13.00	57.32	Vertical
3	3328.36	44.37	-48.65	28.63	-70.91	-13.00	57.91	Vertical
4	4160.45	44.07	-48.32	29.69	-69.82	-13.00	56.82	Vertical
5	4992.54	42.68	-47.97	31.48	-69.07	-13.00	56.07	Vertical
6	5824.63	42.76	-47.55	32.76	-67.28	-13.00	54.28	Vertical



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Test Band = LTE Band 5_ TM1

Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679.18	48.71	-49.76	25.42	-70.89	-13.00	57.89	Horizontal
2	2518.77	44.21	-48.95	27.35	-72.66	-13.00	59.66	Horizontal
3	3358.36	44.10	-48.67	28.64	-71.18	-13.00	58.18	Horizontal
4	4197.95	44.29	-48.36	29.76	-69.57	-13.00	56.57	Horizontal
5	5037.54	43.41	-47.94	31.59	-68.20	-13.00	55.20	Horizontal
6	5887.13	42.77	-47.11	32.78	-66.82	-13.00	53.82	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679.18	45.52	-49.76	25.42	-74.08	-13.00	61.08	Vertical
2	2518.77	44.24	-48.95	27.35	-72.63	-13.00	59.63	Vertical
3	3358.36	44.35	-48.67	28.64	-70.93	-13.00	57.93	Vertical
4	4197.95	43.10	-48.36	29.76	-70.76	-13.00	57.76	Vertical
5	5037.54	43.06	-47.94	31.59	-68.55	-13.00	55.55	Vertical
6	5887.13	42.08	-47.11	32.78	-67.51	-13.00	54.51	Vertical



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Test Band = LTE 5A_13A_TM1
Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1672.8889	76.74	-49.78	25.39	-42.91	-13.00	29.91	Horizontal
2	2504.4444	51.35	-48.91	27.31	-65.51	-13.00	52.51	Horizontal
3	3345.7778	50.99	-48.66	28.64	-64.29	-13.00	51.29	Horizontal
4	5037.7778	44.14	-47.94	31.59	-67.47	-13.00	54.47	Horizontal
5	7248	43.37	-46.14	36.20	-61.83	-13.00	48.83	Horizontal
6	8824.4444	41.38	-44.05	37.35	-60.58	-13.00	47.58	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1670.2222	69.91	-49.78	25.38	-49.75	-13.00	36.75	Vertical
2	2503.1111	63.03	-48.91	27.31	-53.83	-13.00	40.83	Vertical
3	3345.7778	56.08	-48.66	28.64	-59.20	-13.00	46.20	Vertical
4	4940.8889	44.25	-48.08	31.36	-67.74	-13.00	54.74	Vertical
5	6685.7778	43.15	-46.76	34.91	-63.96	-13.00	50.96	Vertical
6	8404	40.95	-43.99	36.77	-61.54	-13.00	48.54	Vertical



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Test Band = LTE 5A_13A_TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1671.5556	76.36	-49.78	25.39	-43.29	-13.00	30.29	Horizontal
2	2504	51.06	-48.91	27.31	-65.80	-13.00	52.80	Horizontal
3	3345.7778	50.86	-48.66	28.64	-64.42	-13.00	51.42	Horizontal
4	5283.1111	44.70	-47.85	32.18	-66.23	-13.00	53.23	Horizontal
5	7251.5556	43.81	-46.13	36.20	-61.38	-13.00	48.38	Horizontal
6	8763.1111	41.25	-44.14	37.27	-60.88	-13.00	47.88	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1671.1111	69.73	-49.78	25.38	-49.93	-13.00	36.93	Vertical
2	2504.8889	63.83	-48.91	27.31	-53.03	-13.00	40.03	Vertical
3	3345.7778	55.34	-48.66	28.64	-59.94	-13.00	46.94	Vertical
4	5289.3333	44.10	-47.84	32.19	-66.81	-13.00	53.81	Vertical
5	6654.2222	43.86	-46.90	34.84	-63.46	-13.00	50.46	Vertical
6	8760.8889	41.56	-44.15	37.27	-60.58	-13.00	47.58	Vertical



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Test Band = LTE 5A_13A_TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1669.7778	76.03	-49.78	25.38	-43.63	-13.00	30.63	Horizontal
2	2503.5556	52.17	-48.91	27.31	-64.69	-13.00	51.69	Horizontal
3	3346.2222	51.16	-48.66	28.64	-64.12	-13.00	51.12	Horizontal
4	4994.6667	44.23	-47.97	31.49	-67.51	-13.00	54.51	Horizontal
5	6618.6667	43.66	-47.05	34.76	-63.89	-13.00	50.89	Horizontal
6	7728.8889	42.91	-45.22	36.53	-61.04	-13.00	48.04	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1672.4444	70.06	-49.78	25.39	-49.59	-13.00	36.59	Vertical
2	2503.5556	63.09	-48.91	27.31	-53.77	-13.00	40.77	Vertical
3	3346.2222	56.58	-48.66	28.64	-58.70	-13.00	45.70	Vertical
4	4189.7778	44.76	-48.35	29.74	-69.11	-13.00	56.11	Vertical
5	5145.7778	48.25	-47.96	31.85	-63.12	-13.00	50.12	Vertical
6	7306.6667	43.34	-46.08	36.34	-61.67	-13.00	48.67	Vertical



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Test Band = LTE 5A_48A_TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7243.6667	43.54	-45.69	36.18	-61.23	-40.00	21.23	Horizontal
2	8376.4167	42.05	-44.41	36.73	-60.89	-40.00	20.89	Horizontal
3	10312.7292	42.91	-41.10	38.78	-54.67	-40.00	14.67	Horizontal
4	12004.6667	37.73	-38.60	39.20	-56.93	-40.00	16.93	Horizontal
5	14321.4375	37.28	-38.76	40.64	-56.10	-40.00	16.10	Horizontal
6	17970.2917	35.02	-37.06	45.11	-52.19	-40.00	12.19	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7362.0208	41.44	-45.73	36.47	-63.08	-40.00	23.08	Vertical
2	9270.0625	42.25	-42.95	37.84	-58.12	-40.00	18.12	Vertical
3	10312.7292	42.04	-41.10	38.78	-55.54	-40.00	15.54	Vertical
4	12052.1042	37.70	-39.00	39.17	-57.39	-40.00	17.39	Vertical
5	13722.4792	37.01	-38.08	40.26	-56.07	-40.00	16.07	Vertical
6	17658.8333	34.85	-37.38	43.12	-54.67	-40.00	14.67	Vertical



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Test Band = LTE 5A_48A_TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7698.875	43.12	-45.14	36.56	-60.72	-40.00	20.72	Horizontal
2	9281.5625	41.31	-42.95	37.85	-59.04	-40.00	19.04	Horizontal
3	10312.7292	43.06	-41.10	38.78	-54.52	-40.00	14.52	Horizontal
4	12009.9375	37.35	-38.64	39.19	-57.36	-40.00	17.36	Horizontal
5	13716.25	36.90	-38.04	40.25	-56.16	-40.00	16.16	Horizontal
6	17622.8958	34.80	-36.98	42.89	-54.56	-40.00	14.56	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7195.2708	43.95	-45.48	36.07	-60.72	-40.00	20.72	Vertical
2	9275.8125	41.81	-42.95	37.85	-58.55	-40.00	18.55	Vertical
3	10312.7292	42.68	-41.10	38.78	-54.90	-40.00	14.90	Vertical
4	12027.1875	37.39	-38.79	39.18	-57.47	-40.00	17.47	Vertical
5	13715.2917	36.53	-38.04	40.25	-56.52	-40.00	16.52	Vertical
6	17962.625	34.49	-37.08	45.06	-52.79	-40.00	12.79	Vertical



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Test Band = LTE 5A_48A_TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7819.1458	43.49	-44.91	36.42	-60.27	-40.00	20.27	Horizontal
2	9327.0833	41.78	-42.90	37.89	-58.49	-40.00	18.49	Horizontal
3	10312.7292	43.10	-41.10	38.78	-54.48	-40.00	14.48	Horizontal
4	12036.2917	37.70	-38.86	39.18	-57.25	-40.00	17.25	Horizontal
5	13714.3333	37.09	-38.03	40.24	-55.96	-40.00	15.96	Horizontal
6	17951.125	34.22	-37.12	44.99	-53.17	-40.00	13.17	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7314.5833	43.79	-45.94	36.36	-61.06	-40.00	21.06	Vertical
2	8674.9375	41.94	-43.80	37.14	-59.98	-40.00	19.98	Vertical
3	10312.7292	43.04	-41.10	38.78	-54.54	-40.00	14.54	Vertical
4	12041.0833	37.44	-38.91	39.18	-57.55	-40.00	17.55	Vertical
5	13713.8542	36.83	-38.03	40.24	-56.22	-40.00	16.22	Vertical
6	17619.5417	34.64	-36.94	42.87	-54.70	-40.00	14.70	Vertical



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Test Band = LTE 5A_66A_TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3298.5	68.37	-48.03	28.62	-46.30	-13.00	33.30	Horizontal
2	4687.5	44.98	-47.97	30.75	-67.50	-13.00	54.50	Horizontal
3	6625.5	43.74	-46.92	34.78	-63.67	-13.00	50.67	Horizontal
4	8795.25	41.45	-44.00	37.31	-60.49	-13.00	47.49	Horizontal
5	10312.5	41.57	-41.16	38.78	-56.07	-13.00	43.07	Horizontal
6	14730.75	35.70	-36.73	40.32	-55.98	-13.00	42.98	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3298.5	73.17	-48.03	28.62	-41.50	-13.00	28.50	Vertical
2	4320.75	44.48	-47.85	29.98	-68.65	-13.00	55.65	Vertical
3	5550.75	44.38	-47.66	32.71	-65.83	-13.00	52.83	Vertical
4	7681.5	42.53	-45.09	36.58	-61.24	-13.00	48.24	Vertical
5	10312.5	41.58	-41.16	38.78	-56.06	-13.00	43.06	Vertical
6	14733.75	35.46	-36.74	40.31	-56.22	-13.00	43.22	Vertical



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Test Band = LTE 5A_66A_TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3328.5	57.07	-48.14	28.63	-57.70	-13.00	44.70	Horizontal
2	4675.5	44.40	-47.97	30.72	-68.11	-13.00	55.11	Horizontal
3	6380.25	43.26	-47.01	34.09	-64.91	-13.00	51.91	Horizontal
4	10312.5	42.00	-41.16	38.78	-55.64	-13.00	42.64	Horizontal
5	14756.25	35.49	-36.78	40.30	-56.25	-13.00	43.25	Horizontal
6	17736.75	34.95	-37.67	43.62	-54.36	-13.00	41.36	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3328.5	61.56	-48.14	28.63	-53.21	-13.00	40.21	Vertical
2	4458.75	44.56	-48.03	30.23	-68.51	-13.00	55.51	Vertical
3	6439.5	43.71	-46.95	34.29	-64.21	-13.00	51.21	Vertical
4	10312.5	40.75	-41.16	38.78	-56.89	-13.00	43.89	Vertical
5	13662.75	36.48	-38.37	40.12	-57.03	-13.00	44.03	Vertical
6	17511.75	34.53	-36.82	42.18	-55.38	-13.00	42.38	Vertical



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Test Band = LTE 5A_66A_TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3358.5	57.56	-48.25	28.64	-57.31	-13.00	44.31	Horizontal
2	4668.75	45.08	-47.97	30.71	-67.45	-13.00	54.45	Horizontal
3	5874.75	44.03	-47.28	32.77	-65.73	-13.00	52.73	Horizontal
4	7674.75	42.52	-45.05	36.59	-61.20	-13.00	48.20	Horizontal
5	10312.5	42.25	-41.16	38.78	-55.39	-13.00	42.39	Horizontal
6	14815.5	35.57	-36.93	40.25	-56.37	-13.00	43.37	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3358.5	61.78	-48.25	28.64	-53.09	-13.00	40.09	Vertical
2	4420.5	45.11	-48.08	30.16	-68.08	-13.00	55.08	Vertical
3	5547.75	45.11	-47.65	32.71	-65.09	-13.00	52.09	Vertical
4	7601.25	41.76	-44.58	36.68	-61.40	-13.00	48.40	Vertical
5	10312.5	41.35	-41.16	38.78	-56.29	-13.00	43.29	Vertical
6	13674	36.93	-38.25	40.15	-56.43	-13.00	43.43	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) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-5.20	-0.006216	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-3.60	-0.004304	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	0.90	0.001076	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-5.70	-0.006814	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-1.40	-0.001674	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-8.30	-0.009922	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-6.40	-0.007651	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-1.60	-0.001913	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-1.60	-0.001913	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	1.60	0.001913	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-5.50	-0.006575	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-5.70	-0.006814	±2.5	PASS

---End of Attachment---



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