



Report No.: SEWM2305000166RG01

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Appendix B.13

LTE Band 19



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Effective (Isotropic) Radiated Power Output Data

Test Result

Ant 41:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band19	5MHz	QPSK	24025	1RB#0	23.91	16.02	38.45	PASS
Band19	5MHz	QPSK	24025	1RB#12	24.28	16.39	38.45	PASS
Band19	5MHz	QPSK	24025	1RB#24	24.12	16.23	38.45	PASS
Band19	5MHz	QPSK	24025	25RB#0	23.09	15.2	38.45	PASS
Band19	5MHz	QPSK	24075	1RB#0	24.02	16.13	38.45	PASS
Band19	5MHz	QPSK	24075	1RB#12	24.15	16.26	38.45	PASS
Band19	5MHz	QPSK	24075	1RB#24	23.98	16.09	38.45	PASS
Band19	5MHz	QPSK	24075	25RB#0	22.97	15.08	38.45	PASS
Band19	5MHz	QPSK	24125	1RB#0	23.91	16.02	38.45	PASS
Band19	5MHz	QPSK	24125	1RB#12	24.16	16.27	38.45	PASS
Band19	5MHz	QPSK	24125	1RB#24	23.87	15.98	38.45	PASS
Band19	5MHz	QPSK	24125	25RB#0	22.95	15.06	38.45	PASS
Band19	5MHz	16QAM	24025	1RB#0	23.21	15.32	38.45	PASS
Band19	5MHz	16QAM	24025	1RB#12	23.65	15.76	38.45	PASS
Band19	5MHz	16QAM	24025	1RB#24	23.31	15.42	38.45	PASS
Band19	5MHz	16QAM	24025	25RB#0	22.11	14.22	38.45	PASS
Band19	5MHz	16QAM	24075	1RB#0	23.24	15.35	38.45	PASS
Band19	5MHz	16QAM	24075	1RB#12	23.33	15.44	38.45	PASS
Band19	5MHz	16QAM	24075	1RB#24	23.49	15.6	38.45	PASS
Band19	5MHz	16QAM	24075	25RB#0	22.01	14.12	38.45	PASS
Band19	5MHz	16QAM	24125	1RB#0	23.30	15.41	38.45	PASS
Band19	5MHz	16QAM	24125	1RB#12	23.65	15.76	38.45	PASS
Band19	5MHz	16QAM	24125	1RB#24	23.29	15.4	38.45	PASS
Band19	5MHz	16QAM	24125	25RB#0	22.01	14.12	38.45	PASS
Band19	5MHz	64QAM	24025	1RB#0	22.12	14.23	38.45	PASS
Band19	5MHz	64QAM	24025	1RB#12	22.15	14.26	38.45	PASS
Band19	5MHz	64QAM	24025	1RB#24	22.34	14.45	38.45	PASS
Band19	5MHz	64QAM	24025	25RB#0	21.12	13.23	38.45	PASS
Band19	5MHz	64QAM	24075	1RB#0	22.16	14.27	38.45	PASS
Band19	5MHz	64QAM	24075	1RB#12	22.18	14.29	38.45	PASS



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Band19	5MHz	64QAM	24075	1RB#24	22.20	14.31	38.45	PASS
Band19	5MHz	64QAM	24075	25RB#0	20.95	13.06	38.45	PASS
Band19	5MHz	64QAM	24125	1RB#0	22.11	14.22	38.45	PASS
Band19	5MHz	64QAM	24125	1RB#12	22.16	14.27	38.45	PASS
Band19	5MHz	64QAM	24125	1RB#24	22.25	14.36	38.45	PASS
Band19	5MHz	64QAM	24125	25RB#0	20.94	13.05	38.45	PASS
Band19	5MHz	256QAM	24025	1RB#0	18.71	10.82	38.45	PASS
Band19	5MHz	256QAM	24025	1RB#12	18.84	10.95	38.45	PASS
Band19	5MHz	256QAM	24025	1RB#24	18.99	11.1	38.45	PASS
Band19	5MHz	256QAM	24025	25RB#0	18.66	10.77	38.45	PASS
Band19	5MHz	256QAM	24075	1RB#0	18.71	10.82	38.45	PASS
Band19	5MHz	256QAM	24075	1RB#12	18.72	10.83	38.45	PASS
Band19	5MHz	256QAM	24075	1RB#24	18.66	10.77	38.45	PASS
Band19	5MHz	256QAM	24075	25RB#0	18.65	10.76	38.45	PASS
Band19	5MHz	256QAM	24125	1RB#0	18.73	10.84	38.45	PASS
Band19	5MHz	256QAM	24125	1RB#12	18.73	10.84	38.45	PASS
Band19	5MHz	256QAM	24125	1RB#24	18.87	10.98	38.45	PASS
Band19	5MHz	256QAM	24125	25RB#0	18.75	10.86	38.45	PASS
Band19	10MHz	QPSK	24050	1RB#0	23.99	16.1	38.45	PASS
Band19	10MHz	QPSK	24050	1RB#24	24.01	16.12	38.45	PASS
Band19	10MHz	QPSK	24050	1RB#49	23.93	16.04	38.45	PASS
Band19	10MHz	QPSK	24050	50RB#0	23.12	15.23	38.45	PASS
Band19	10MHz	QPSK	24075	1RB#0	23.89	16	38.45	PASS
Band19	10MHz	QPSK	24075	1RB#24	24.06	16.17	38.45	PASS
Band19	10MHz	QPSK	24075	1RB#49	24.01	16.12	38.45	PASS
Band19	10MHz	QPSK	24075	50RB#0	22.97	15.08	38.45	PASS
Band19	10MHz	QPSK	24100	1RB#0	23.95	16.06	38.45	PASS
Band19	10MHz	QPSK	24100	1RB#24	23.91	16.02	38.45	PASS
Band19	10MHz	QPSK	24100	1RB#49	23.98	16.09	38.45	PASS
Band19	10MHz	QPSK	24100	50RB#0	23.09	15.2	38.45	PASS
Band19	10MHz	16QAM	24050	1RB#0	23.34	15.45	38.45	PASS
Band19	10MHz	16QAM	24050	1RB#24	23.19	15.3	38.45	PASS
Band19	10MHz	16QAM	24050	1RB#49	23.30	15.41	38.45	PASS
Band19	10MHz	16QAM	24050	50RB#0	22.07	14.18	38.45	PASS
Band19	10MHz	16QAM	24075	1RB#0	23.22	15.33	38.45	PASS
Band19	10MHz	16QAM	24075	1RB#24	23.54	15.65	38.45	PASS
Band19	10MHz	16QAM	24075	1RB#49	23.47	15.58	38.45	PASS



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Band19	10MHz	16QAM	24075	50RB#0	21.97	14.08	38.45	PASS
Band19	10MHz	16QAM	24100	1RB#0	23.24	15.35	38.45	PASS
Band19	10MHz	16QAM	24100	1RB#24	23.18	15.29	38.45	PASS
Band19	10MHz	16QAM	24100	1RB#49	23.24	15.35	38.45	PASS
Band19	10MHz	16QAM	24100	50RB#0	22.17	14.28	38.45	PASS
Band19	10MHz	64QAM	24050	1RB#0	22.17	14.28	38.45	PASS
Band19	10MHz	64QAM	24050	1RB#24	22.37	14.48	38.45	PASS
Band19	10MHz	64QAM	24050	1RB#49	22.24	14.35	38.45	PASS
Band19	10MHz	64QAM	24050	50RB#0	21.09	13.2	38.45	PASS
Band19	10MHz	64QAM	24075	1RB#0	21.97	14.08	38.45	PASS
Band19	10MHz	64QAM	24075	1RB#24	22.18	14.29	38.45	PASS
Band19	10MHz	64QAM	24075	1RB#49	22.25	14.36	38.45	PASS
Band19	10MHz	64QAM	24075	50RB#0	21.01	13.12	38.45	PASS
Band19	10MHz	64QAM	24100	1RB#0	22.14	14.25	38.45	PASS
Band19	10MHz	64QAM	24100	1RB#24	22.19	14.3	38.45	PASS
Band19	10MHz	64QAM	24100	1RB#49	22.17	14.28	38.45	PASS
Band19	10MHz	64QAM	24100	50RB#0	21.13	13.24	38.45	PASS
Band19	10MHz	256QAM	24050	1RB#0	18.66	10.77	38.45	PASS
Band19	10MHz	256QAM	24050	1RB#24	18.82	10.93	38.45	PASS
Band19	10MHz	256QAM	24050	1RB#49	18.89	11	38.45	PASS
Band19	10MHz	256QAM	24050	50RB#0	18.72	10.83	38.45	PASS
Band19	10MHz	256QAM	24075	1RB#0	18.62	10.73	38.45	PASS
Band19	10MHz	256QAM	24075	1RB#24	18.73	10.84	38.45	PASS
Band19	10MHz	256QAM	24075	1RB#49	18.72	10.83	38.45	PASS
Band19	10MHz	256QAM	24075	50RB#0	18.74	10.85	38.45	PASS
Band19	10MHz	256QAM	24100	1RB#0	18.70	10.81	38.45	PASS
Band19	10MHz	256QAM	24100	1RB#24	18.76	10.87	38.45	PASS
Band19	10MHz	256QAM	24100	1RB#49	18.79	10.9	38.45	PASS
Band19	10MHz	256QAM	24100	50RB#0	18.75	10.86	38.45	PASS
Band19	15MHz	QPSK	24075	1RB#0	23.79	15.9	38.45	PASS
Band19	15MHz	QPSK	24075	1RB#38	23.81	15.92	38.45	PASS
Band19	15MHz	QPSK	24075	1RB#74	23.80	15.91	38.45	PASS
Band19	15MHz	QPSK	24075	75RB#0	22.86	14.97	38.45	PASS
Band19	15MHz	16QAM	24075	1RB#0	23.16	15.27	38.45	PASS
Band19	15MHz	16QAM	24075	1RB#38	23.35	15.46	38.45	PASS
Band19	15MHz	16QAM	24075	1RB#74	23.15	15.26	38.45	PASS
Band19	15MHz	16QAM	24075	75RB#0	21.85	13.96	38.45	PASS



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Band19	15MHz	64QAM	24075	1RB#38	21.98	14.09	38.45	PASS
Band19	15MHz	64QAM	24075	1RB#74	22.04	14.15	38.45	PASS
Band19	15MHz	64QAM	24075	75RB#0	20.91	13.02	38.45	PASS
Band19	15MHz	256QAM	24075	1RB#0	18.65	10.76	38.45	PASS
Band19	15MHz	256QAM	24075	1RB#38	18.83	10.94	38.45	PASS
Band19	15MHz	256QAM	24075	1RB#74	18.81	10.92	38.45	PASS
Band19	15MHz	256QAM	24075	75RB#0	18.73	10.84	38.45	PASS



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band19	5MHz	QPSK	24025	25RB#0	4.476	4.89	PASS
Band19	5MHz	QPSK	24075	25RB#0	4.476	4.89	PASS
Band19	5MHz	QPSK	24125	25RB#0	4.476	4.89	PASS
Band19	5MHz	16QAM	24025	25RB#0	4.466	4.94	PASS
Band19	5MHz	16QAM	24075	25RB#0	4.476	4.92	PASS
Band19	5MHz	16QAM	24125	25RB#0	4.466	4.93	PASS
Band19	5MHz	64QAM	24025	25RB#0	4.486	4.91	PASS
Band19	5MHz	64QAM	24075	25RB#0	4.486	4.89	PASS
Band19	5MHz	64QAM	24125	25RB#0	4.486	4.91	PASS
Band19	5MHz	256QAM	24025	25RB#0	4.486	4.91	PASS
Band19	5MHz	256QAM	24075	25RB#0	4.476	4.91	PASS
Band19	5MHz	256QAM	24125	25RB#0	4.486	4.91	PASS
Band19	10MHz	QPSK	24050	50RB#0	8.952	9.70	PASS
Band19	10MHz	QPSK	24075	50RB#0	8.952	9.73	PASS
Band19	10MHz	QPSK	24100	50RB#0	8.918	9.70	PASS
Band19	10MHz	16QAM	24050	50RB#0	8.918	9.67	PASS
Band19	10MHz	16QAM	24075	50RB#0	8.918	9.67	PASS
Band19	10MHz	16QAM	24100	50RB#0	8.918	9.67	PASS
Band19	10MHz	64QAM	24050	50RB#0	8.918	9.70	PASS
Band19	10MHz	64QAM	24075	50RB#0	8.918	9.73	PASS
Band19	10MHz	64QAM	24100	50RB#0	8.918	9.67	PASS
Band19	10MHz	256QAM	24050	50RB#0	8.952	9.70	PASS
Band19	10MHz	256QAM	24075	50RB#0	8.918	9.67	PASS
Band19	10MHz	256QAM	24100	50RB#0	8.918	9.70	PASS
Band19	15MHz	QPSK	24075	75RB#0	13.478	14.75	PASS
Band19	15MHz	16QAM	24075	75RB#0	13.478	14.80	PASS
Band19	15MHz	64QAM	24075	75RB#0	13.478	14.80	PASS
Band19	15MHz	256QAM	24075	75RB#0	13.478	14.85	PASS



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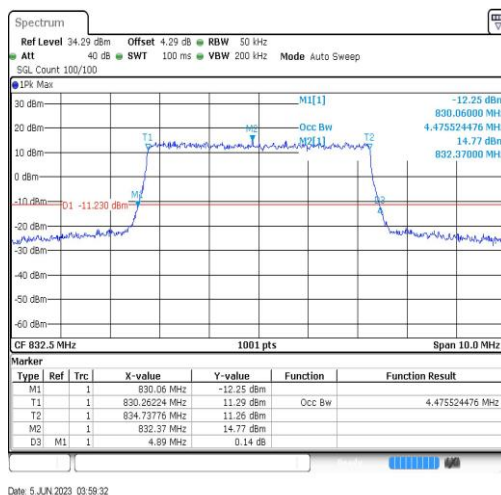
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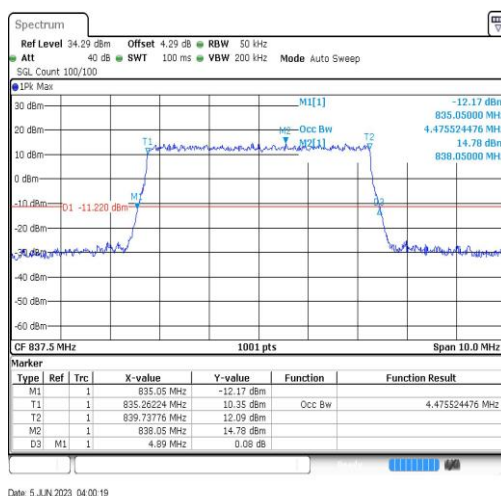
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Test Graphs



Date: 5 JUN 2023 03:59:32

Band19-5MHz-QPSK-24025-25RB#0



Date: 5 JUN 2023 04:00:19

Band19-5MHz-QPSK-24075-25RB#0



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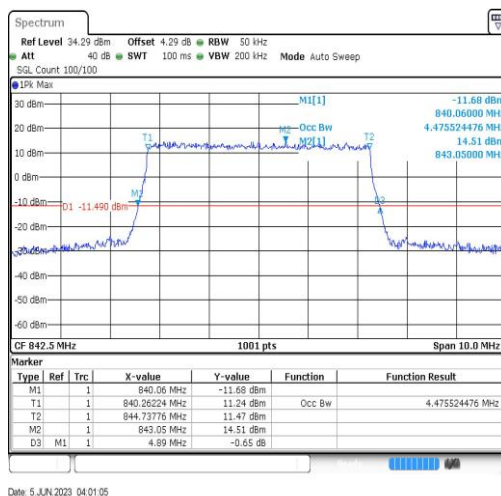
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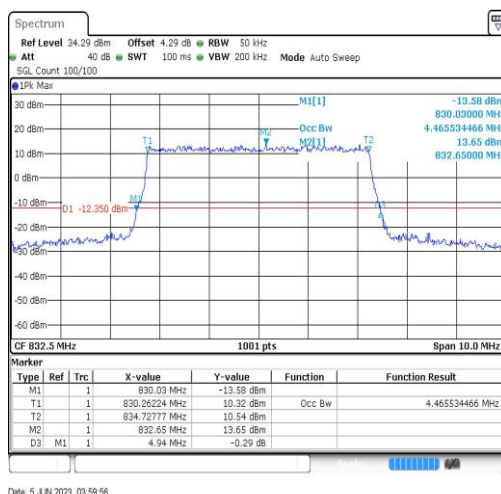
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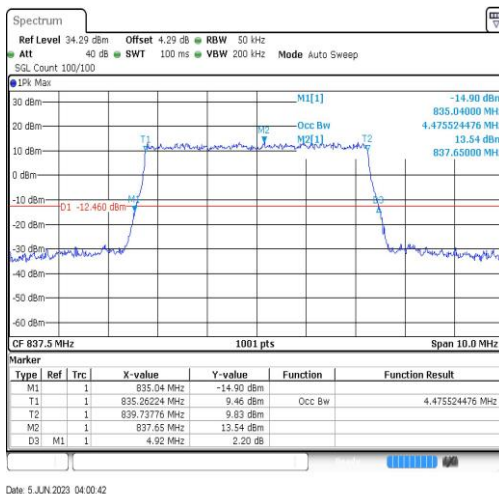
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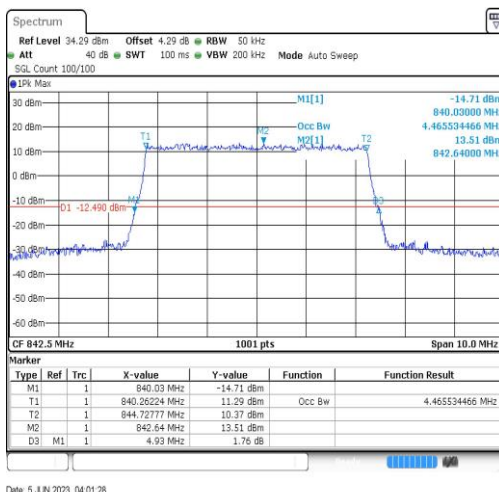
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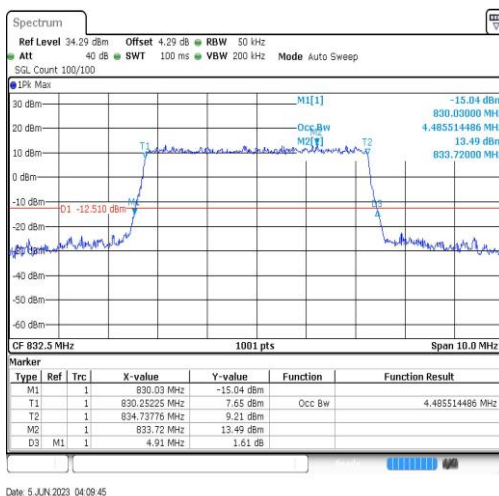
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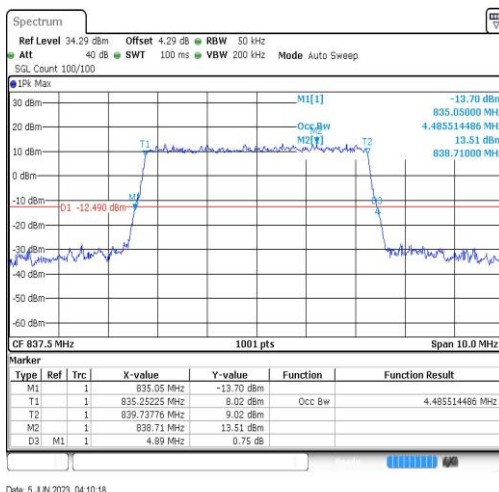
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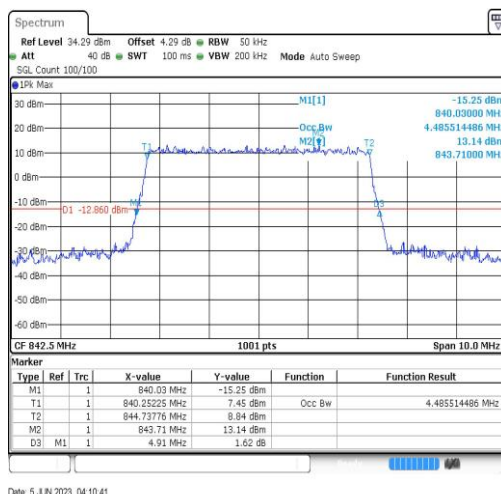
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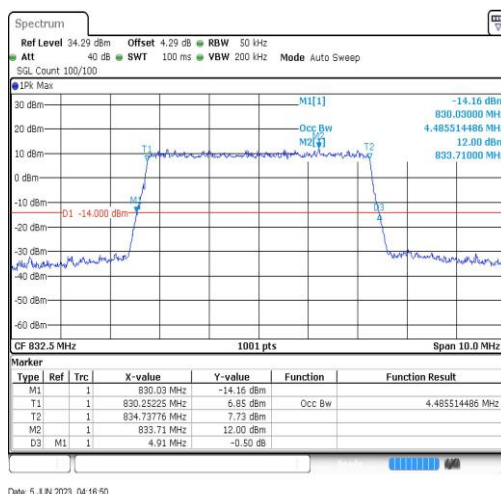
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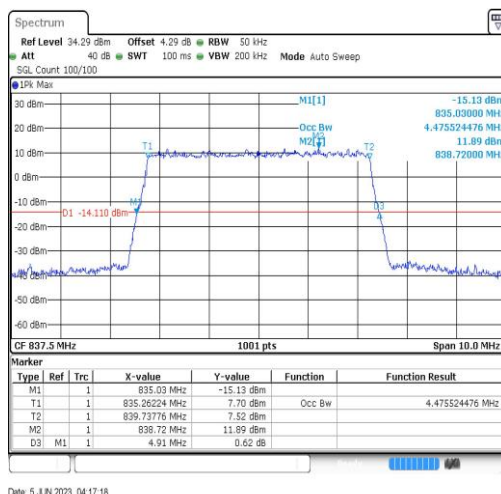
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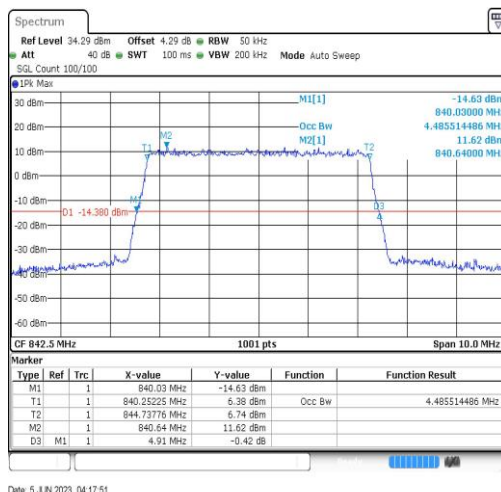
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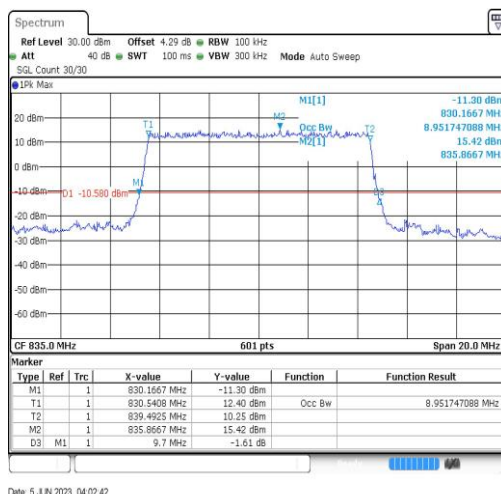
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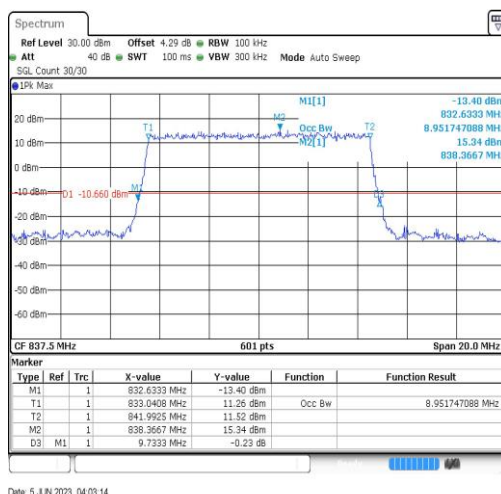
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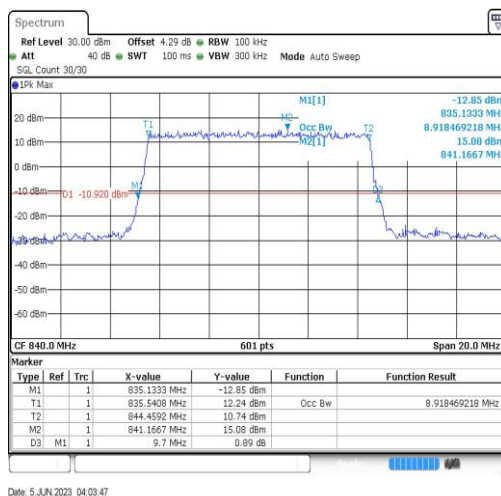


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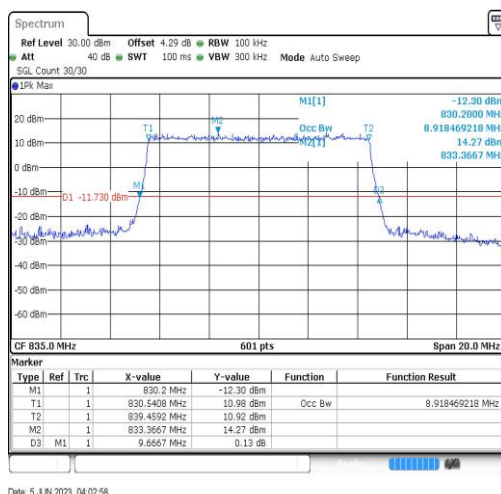
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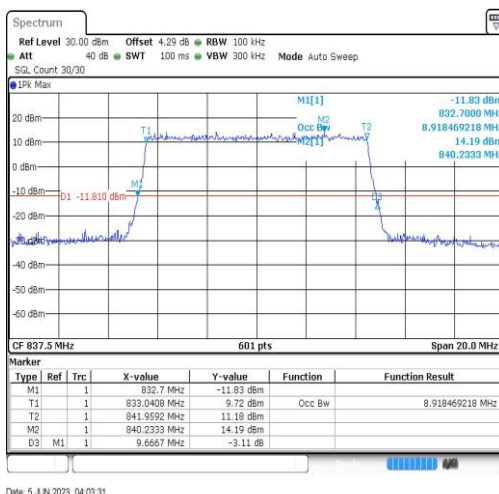
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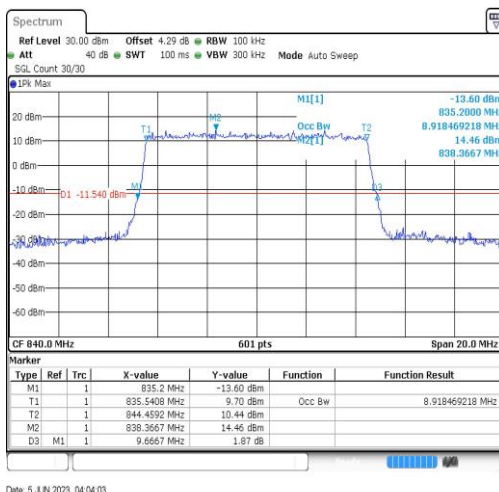
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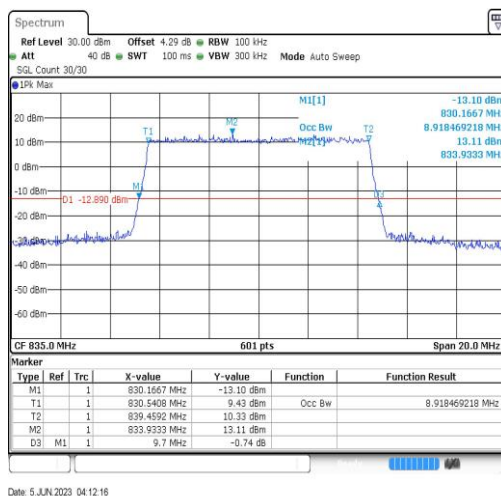


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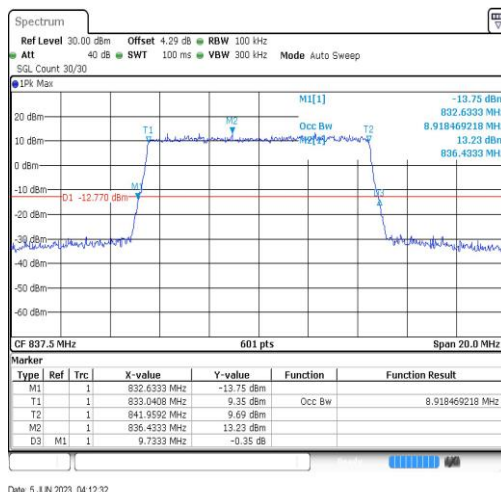
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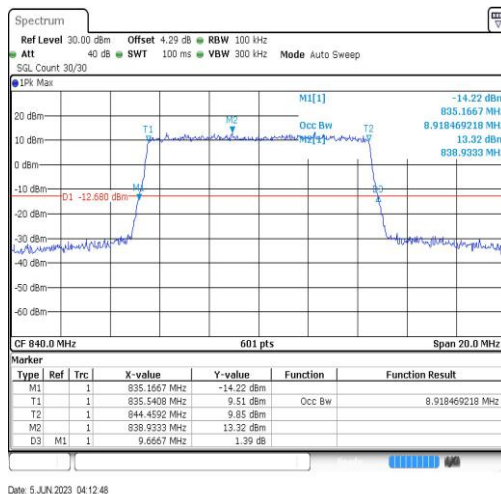
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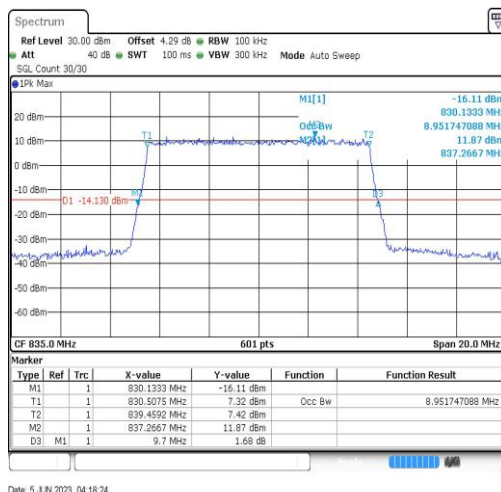
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Band19-10MHz-64QAM-24100-50RB#0



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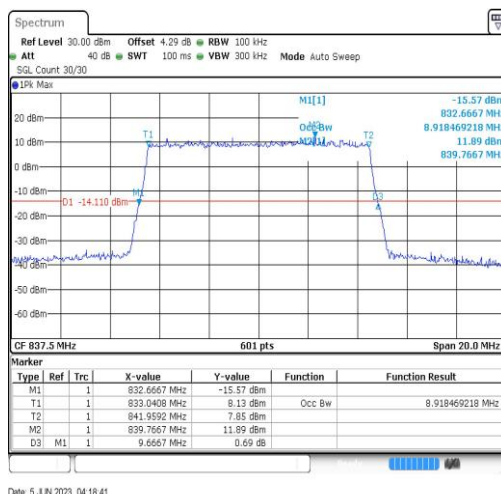
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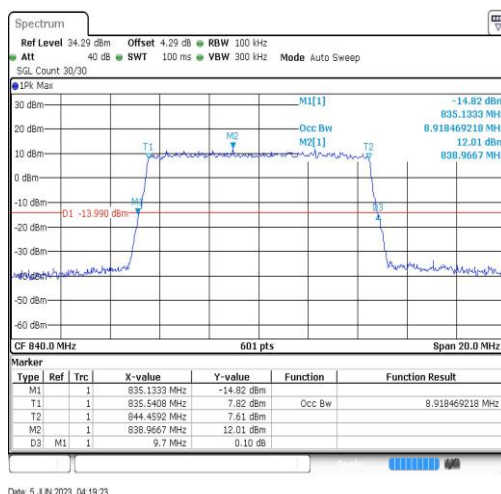
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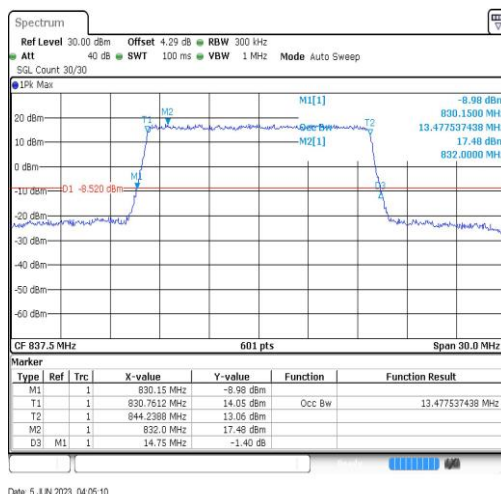
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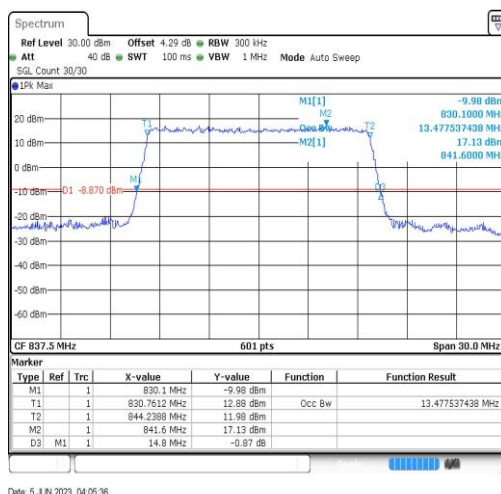
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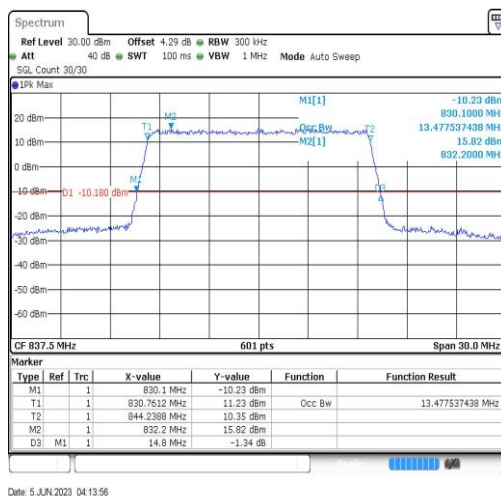


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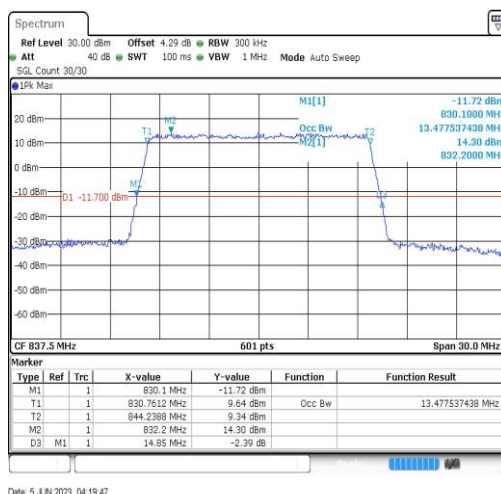
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