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Appendix B.8

LTE Band 14



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	23.99	24.26	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#12	23.97	24.24	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#24	23.85	24.12	34.77	PASS
Band14	5MHz	QPSK	23305	25RB#0	23.02	23.29	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#0	23.87	24.14	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#12	24.03	24.3	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#24	23.90	24.17	34.77	PASS
Band14	5MHz	QPSK	23330	25RB#0	22.90	23.17	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#0	24.12	24.39	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#12	24.08	24.35	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#24	23.78	24.05	34.77	PASS
Band14	5MHz	QPSK	23355	25RB#0	22.96	23.23	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#0	23.22	23.49	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#12	23.13	23.4	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#24	23.21	23.48	34.77	PASS
Band14	5MHz	16QAM	23305	25RB#0	22.03	22.3	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#0	23.18	23.45	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#12	23.02	23.29	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#24	22.95	23.22	34.77	PASS
Band14	5MHz	16QAM	23330	25RB#0	21.91	22.18	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#0	23.13	23.4	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#12	23.02	23.29	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#24	22.93	23.2	34.77	PASS
Band14	5MHz	16QAM	23355	25RB#0	21.89	22.16	34.77	PASS
Band14	5MHz	64QAM	23305	1RB#0	22.10	22.37	34.77	PASS
Band14	5MHz	64QAM	23305	1RB#12	22.16	22.43	34.77	PASS
Band14	5MHz	64QAM	23305	1RB#24	22.04	22.31	34.77	PASS
Band14	5MHz	64QAM	23305	25RB#0	21.05	21.32	34.77	PASS



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Band14	5MHz	64QAM	23330	1RB#0	22.34	22.61	34.77	PASS
Band14	5MHz	64QAM	23330	1RB#12	22.01	22.28	34.77	PASS
Band14	5MHz	64QAM	23330	1RB#24	22.03	22.3	34.77	PASS
Band14	5MHz	64QAM	23330	25RB#0	20.93	21.2	34.77	PASS
Band14	5MHz	64QAM	23355	1RB#0	22.18	22.45	34.77	PASS
Band14	5MHz	64QAM	23355	1RB#12	22.17	22.44	34.77	PASS
Band14	5MHz	64QAM	23355	1RB#24	21.99	22.26	34.77	PASS
Band14	5MHz	64QAM	23355	25RB#0	20.99	21.26	34.77	PASS
Band14	5MHz	256QAM	23305	1RB#0	18.95	19.22	34.77	PASS
Band14	5MHz	256QAM	23305	1RB#12	19.16	19.43	34.77	PASS
Band14	5MHz	256QAM	23305	1RB#24	19.09	19.36	34.77	PASS
Band14	5MHz	256QAM	23305	25RB#0	19.09	19.36	34.77	PASS
Band14	5MHz	256QAM	23330	1RB#0	19.06	19.33	34.77	PASS
Band14	5MHz	256QAM	23330	1RB#12	19.13	19.4	34.77	PASS
Band14	5MHz	256QAM	23330	1RB#24	18.90	19.17	34.77	PASS
Band14	5MHz	256QAM	23330	25RB#0	18.89	19.16	34.77	PASS
Band14	5MHz	256QAM	23355	1RB#0	18.96	19.23	34.77	PASS
Band14	5MHz	256QAM	23355	1RB#12	19.04	19.31	34.77	PASS
Band14	5MHz	256QAM	23355	1RB#24	18.93	19.2	34.77	PASS
Band14	5MHz	256QAM	23355	25RB#0	18.86	19.13	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#0	24.13	24.4	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#24	23.97	24.24	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#49	23.77	24.04	34.77	PASS
Band14	10MHz	QPSK	23330	50RB#0	22.91	23.18	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#0	23.21	23.48	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#24	23.08	23.35	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#49	22.94	23.21	34.77	PASS
Band14	10MHz	16QAM	23330	50RB#0	21.93	22.2	34.77	PASS
Band14	10MHz	64QAM	23330	1RB#0	22.18	22.45	34.77	PASS
Band14	10MHz	64QAM	23330	1RB#24	22.11	22.38	34.77	PASS
Band14	10MHz	64QAM	23330	1RB#49	21.99	22.26	34.77	PASS
Band14	10MHz	64QAM	23330	50RB#0	20.93	21.2	34.77	PASS
Band14	10MHz	256QAM	23330	1RB#0	19.17	19.44	34.77	PASS



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Band14	10MHz	256QAM	23330	1RB#24	19.22	19.49	34.77	PASS
Band14	10MHz	256QAM	23330	1RB#49	18.96	19.23	34.77	PASS
Band14	10MHz	256QAM	23330	50RB#0	18.97	19.24	34.77	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band14	10MHz	QPSK	23330	50RB#0	4.58	13	PASS
Band14	10MHz	16QAM	23330	50RB#0	5.62	13	PASS
Band14	10MHz	64QAM	23330	50RB#0	6.14	13	PASS
Band14	10MHz	256QAM	23330	50RB#0	6.50	13	PASS



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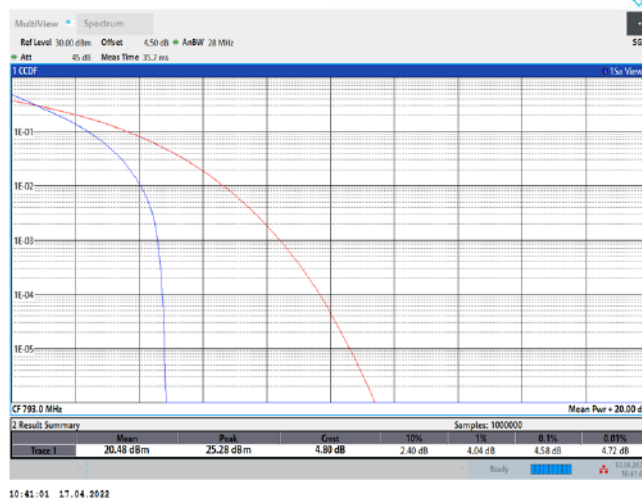
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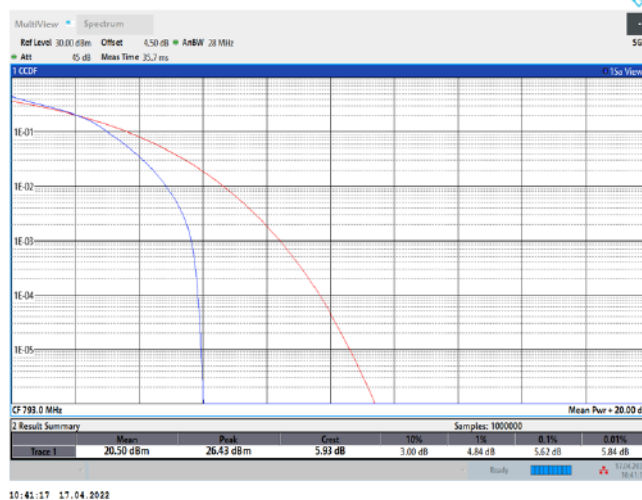
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Test Graphs

Band14-10MHz-QPSK-23330-50RB#0



Band14-10MHz-16QAM-23330-50RB#0



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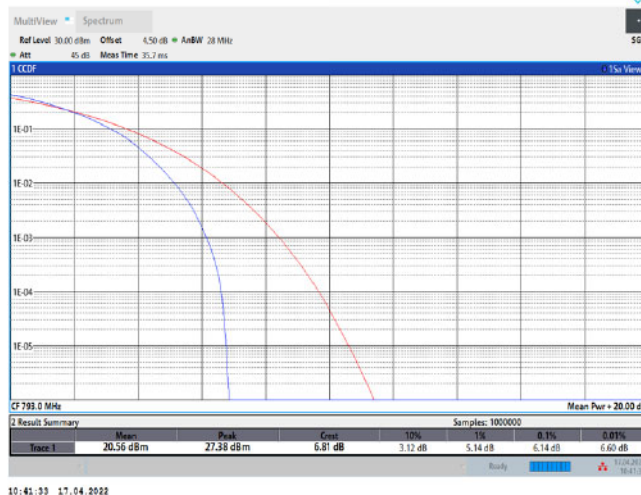
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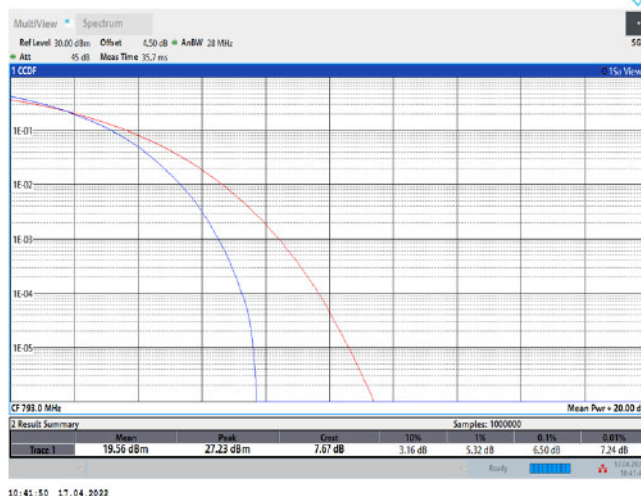
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Band14-10MHz-64QAM-23330-50RB#0



10:41:30 17.04.2022

Band14-10MHz-256QAM-23330-50RB#0



10:41:50 17.04.2022



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band14	10MHz	QPSK	23330	50RB#0	PASS	PASS
Band14	10MHz	16QAM	23330	50RB#0	PASS	PASS
Band14	10MHz	64QAM	23330	50RB#0	PASS	PASS
Band14	10MHz	256QAM	23330	50RB#0	PASS	PASS



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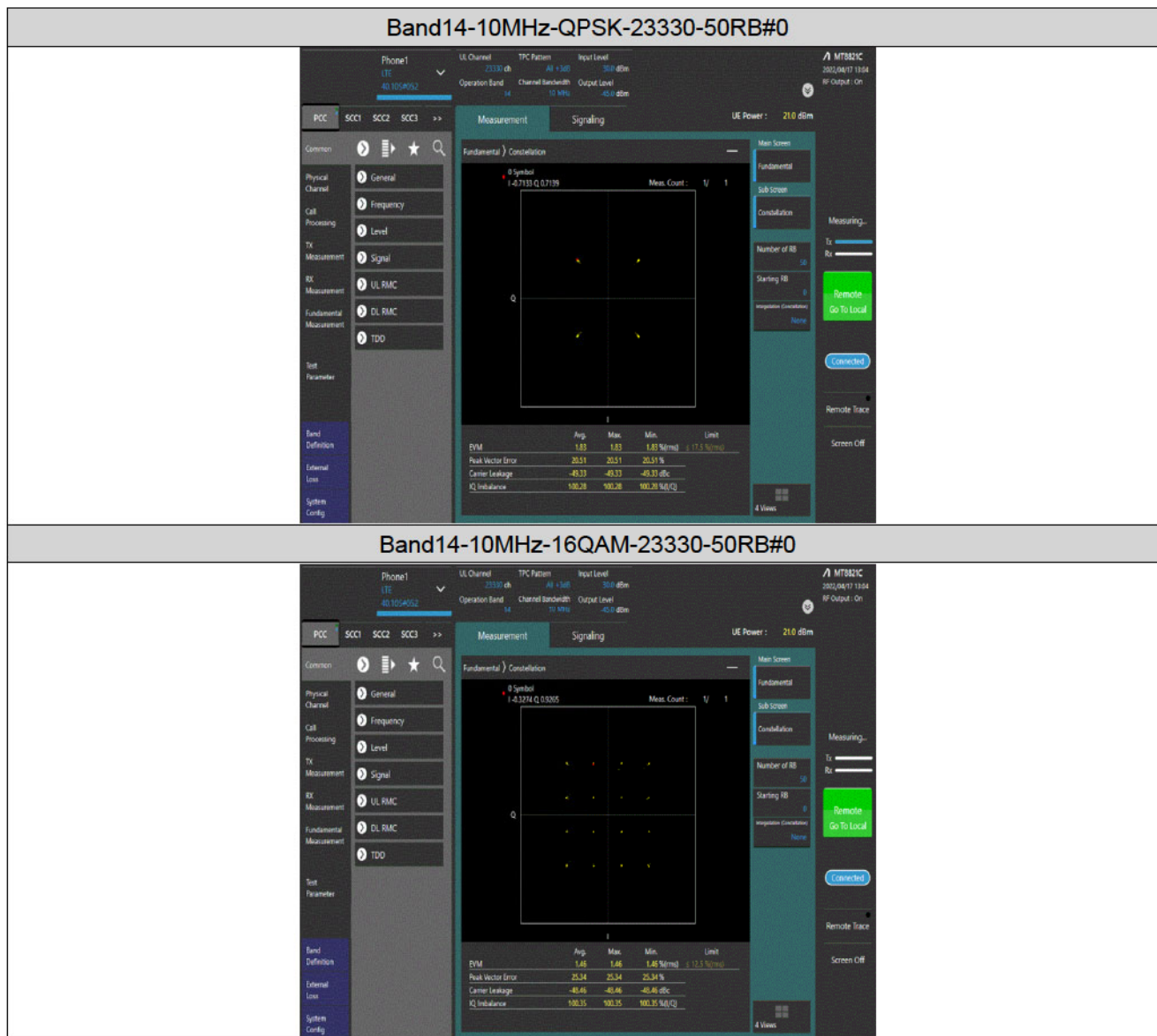
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Test Graphs



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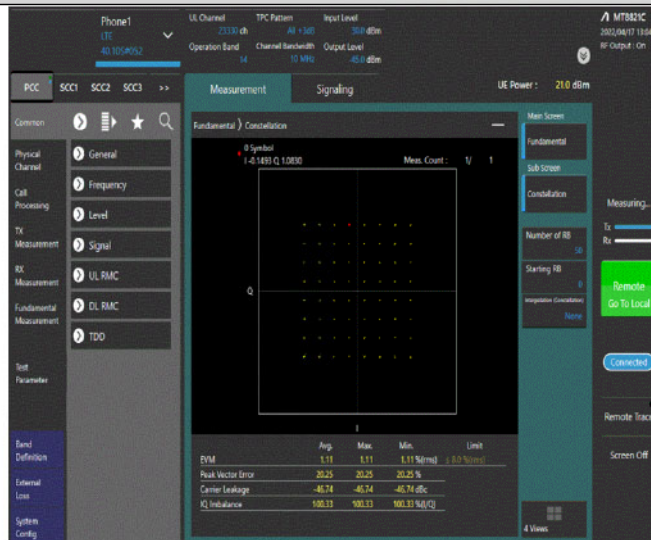
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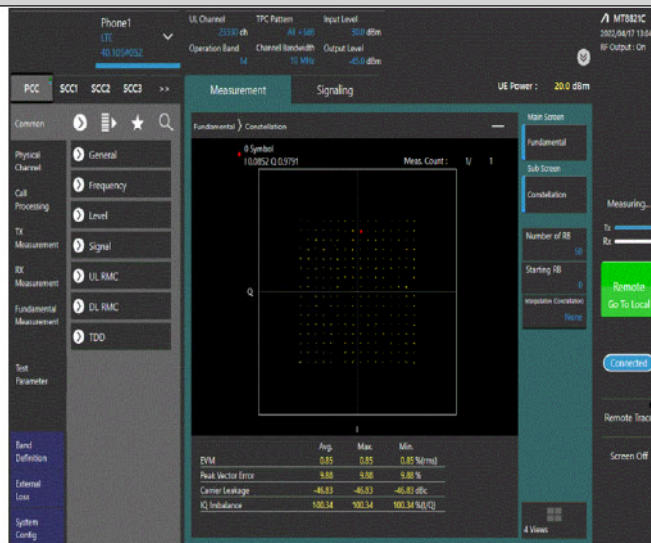
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Band14-10MHz-64QAM-23330-50RB#0



Band14-10MHz-256QAM-23330-50RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	4.476	5.08	PASS
Band14	5MHz	QPSK	23330	25RB#0	4.478	5.06	PASS
Band14	5MHz	QPSK	23355	25RB#0	4.478	5.05	PASS
Band14	5MHz	16QAM	23305	25RB#0	4.48	5.03	PASS
Band14	5MHz	16QAM	23330	25RB#0	4.478	5.02	PASS
Band14	5MHz	16QAM	23355	25RB#0	4.474	5.07	PASS
Band14	5MHz	64QAM	23305	25RB#0	4.482	5.03	PASS
Band14	5MHz	64QAM	23330	25RB#0	4.481	5.04	PASS
Band14	5MHz	64QAM	23355	25RB#0	4.474	5.05	PASS
Band14	5MHz	256QAM	23305	25RB#0	4.475	5.01	PASS
Band14	5MHz	256QAM	23330	25RB#0	4.476	5.03	PASS
Band14	5MHz	256QAM	23355	25RB#0	4.476	5.05	PASS
Band14	10MHz	QPSK	23330	50RB#0	8.928	9.87	PASS
Band14	10MHz	16QAM	23330	50RB#0	8.938	9.93	PASS
Band14	10MHz	64QAM	23330	50RB#0	8.938	9.90	PASS
Band14	10MHz	256QAM	23330	50RB#0	8.941	9.93	PASS



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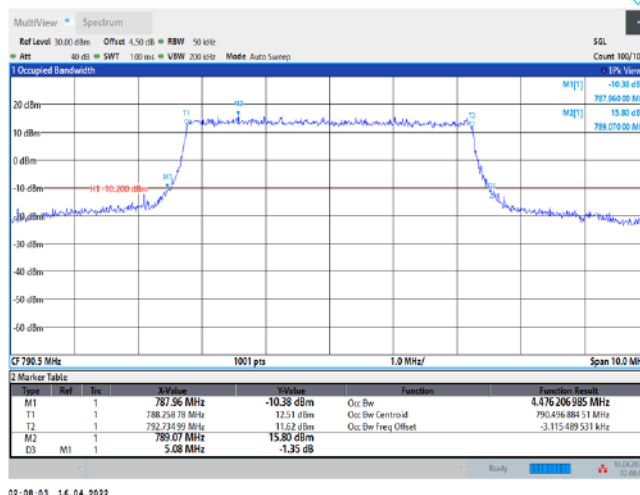
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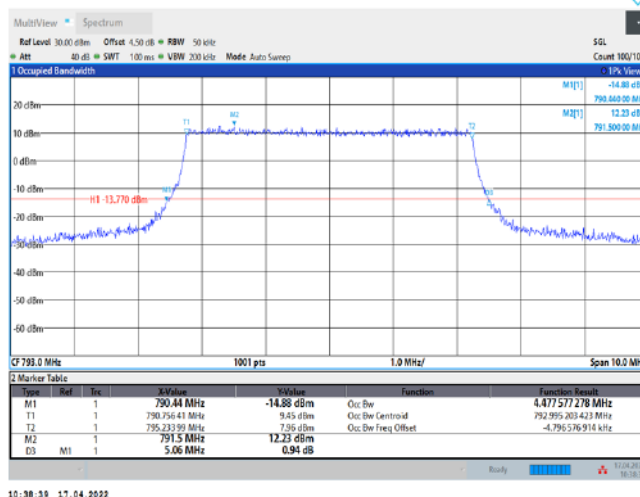
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Test Graphs

Band14-5MHz-QPSK-23305-25RB#0



Band14-5MHz-QPSK-23330-25RB#0



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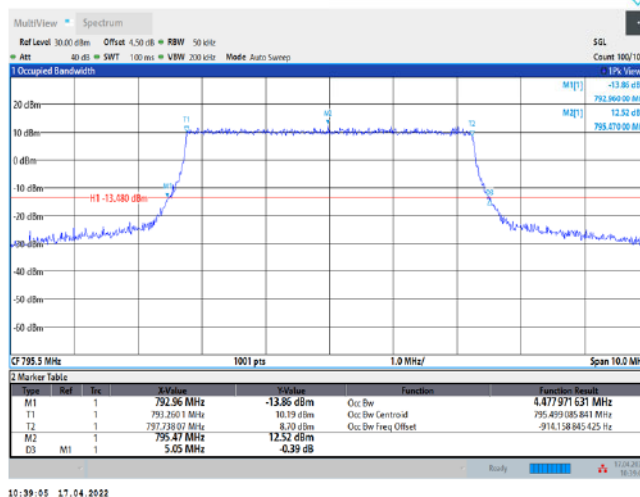
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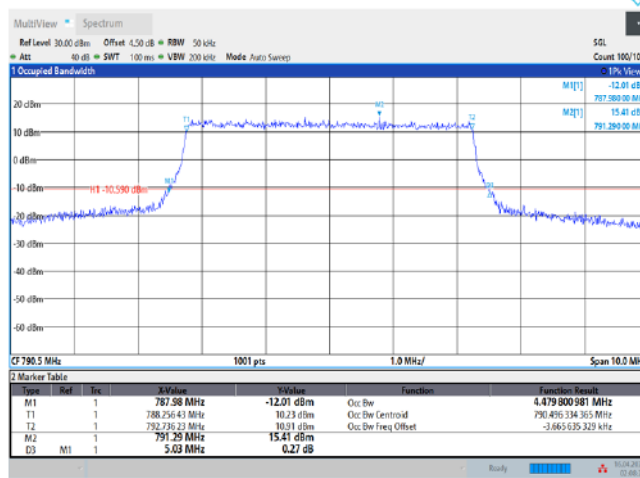
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Band14-5MHz-QPSK-23355-25RB#0



10:39:05 17.04.2022

Band14-5MHz-16QAM-23305-25RB#0



02:08:20 16.04.2022



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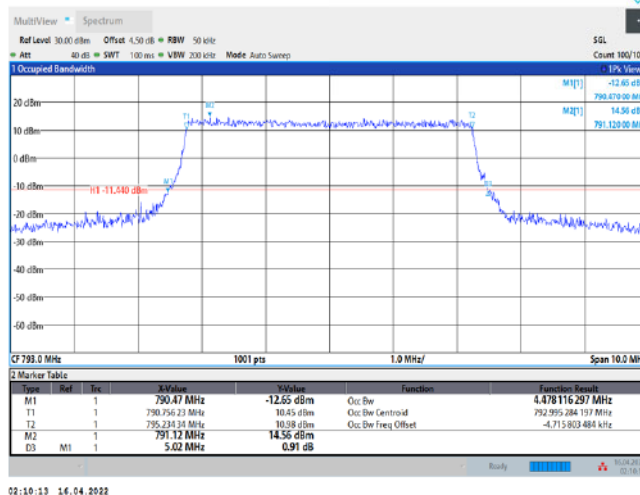
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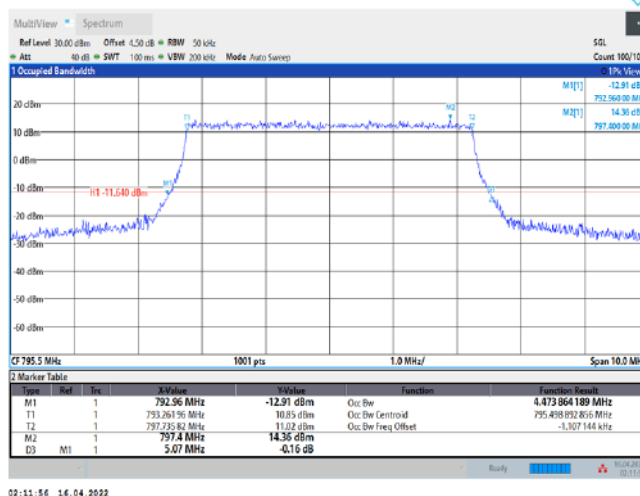
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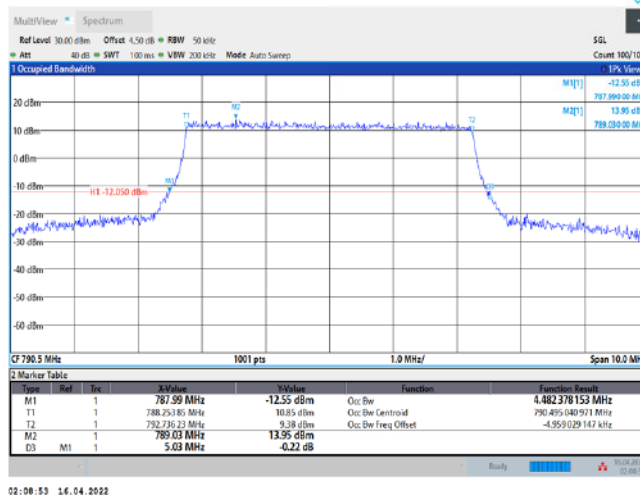
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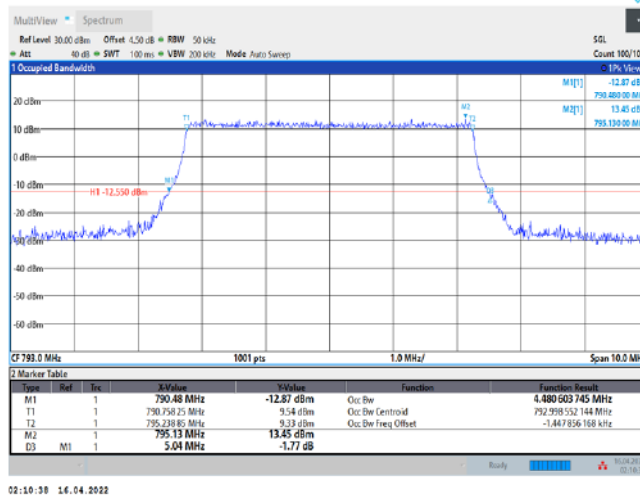
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Band14-5MHz-64QAM-23305-25RB#0



Band14-5MHz-64QAM-23330-25RB#0



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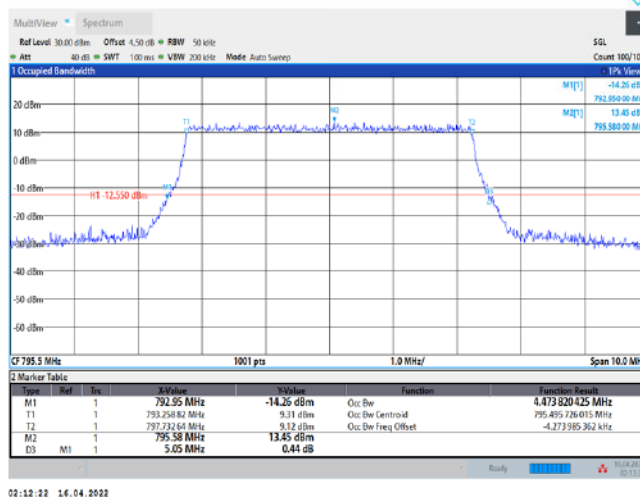
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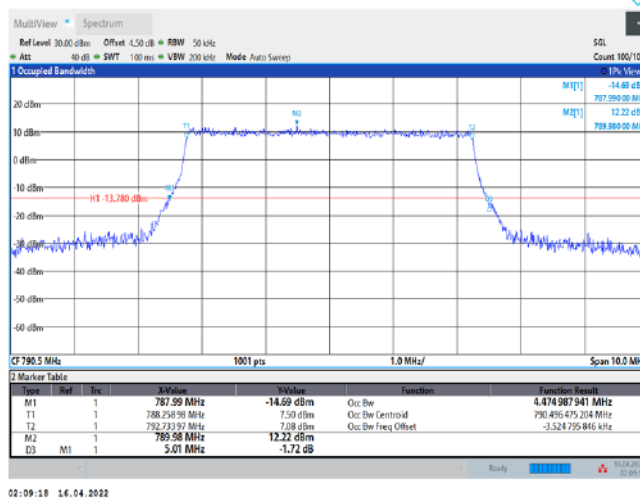
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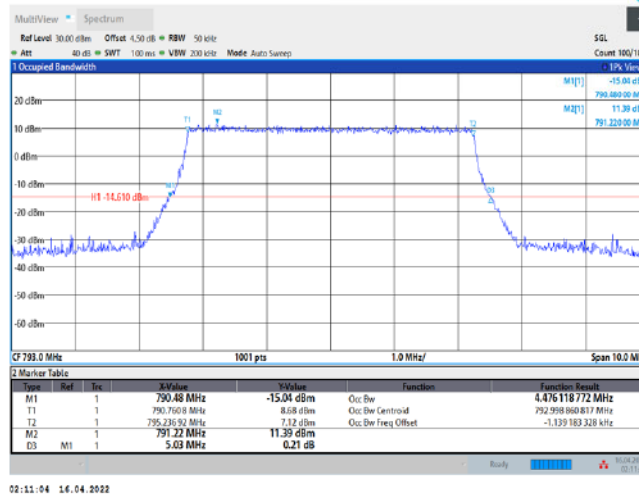
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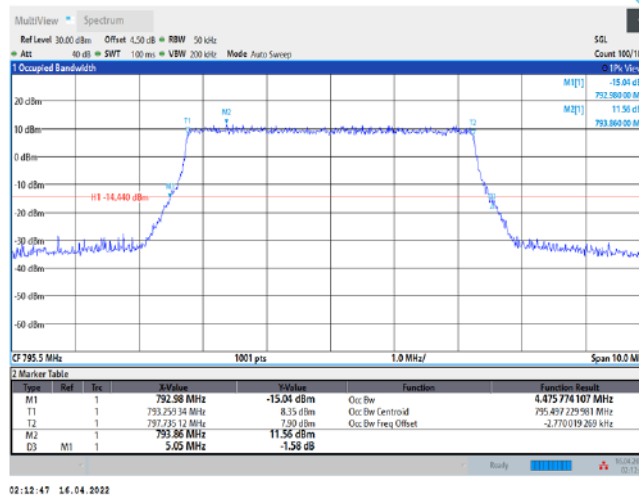
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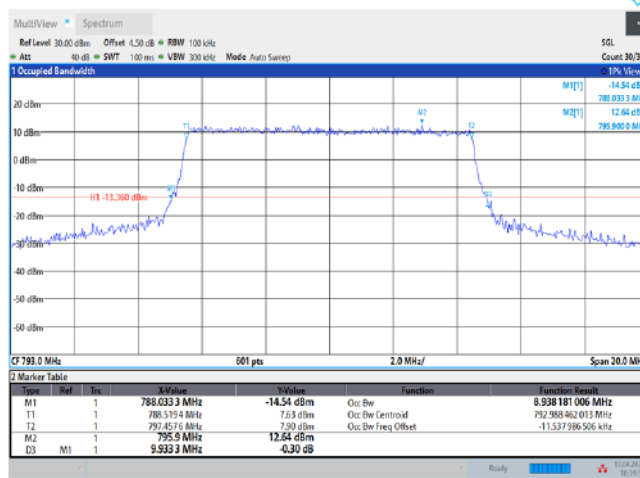
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Band14-10MHz-QPSK-23330-50RB#0



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Band14-10MHz-16QAM-23330-50RB#0



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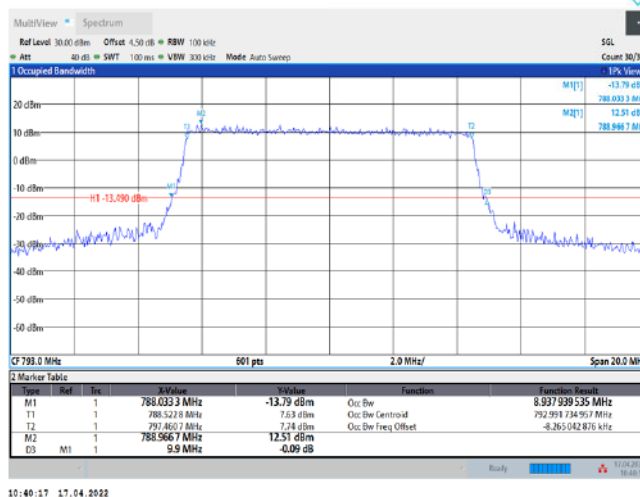
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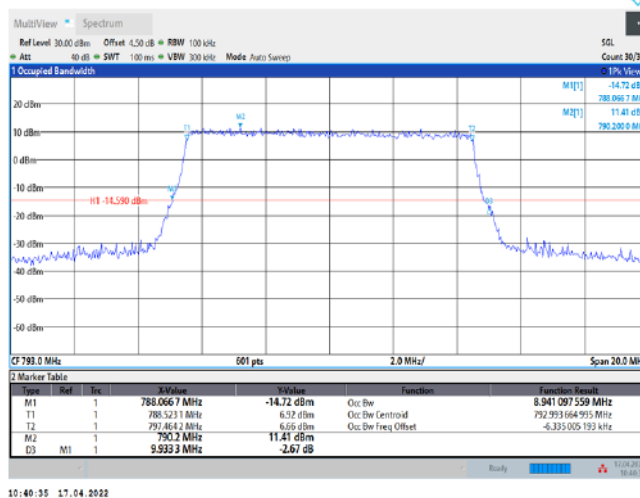
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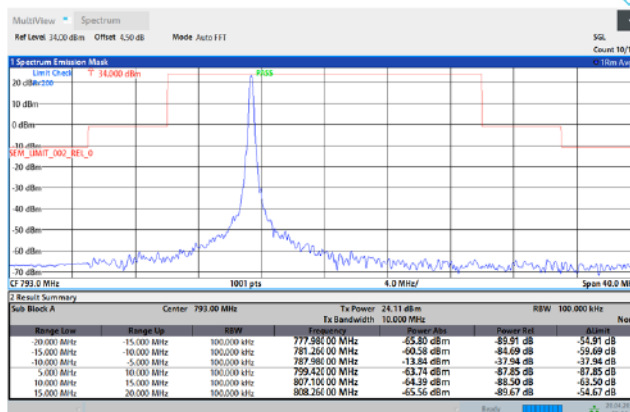
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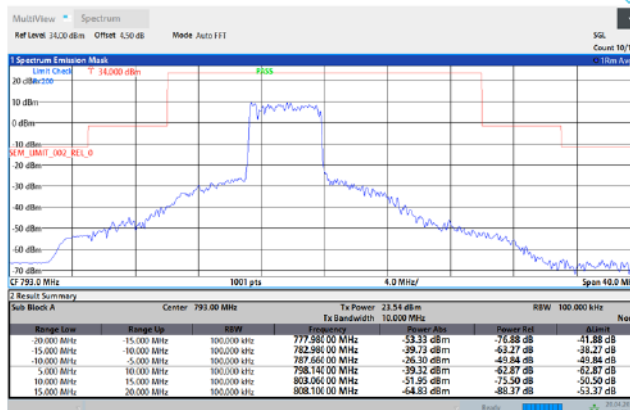
Test Graphs

Band14-5MHz-QPSK-23305-1RB#0



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Band14-5MHz-QPSK-23305-25RB#0



15:45:14 20.04.2022



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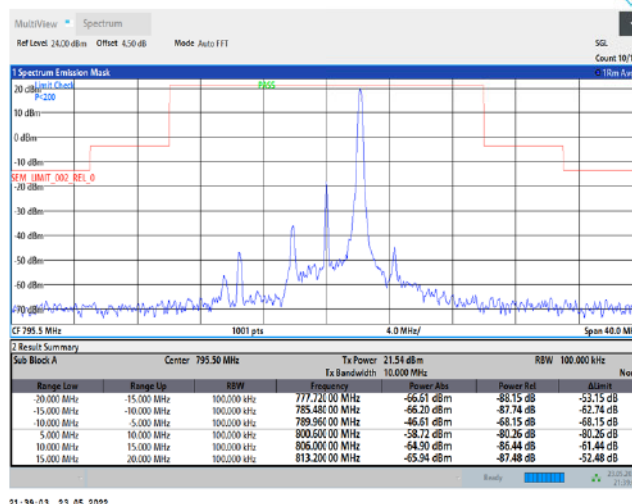
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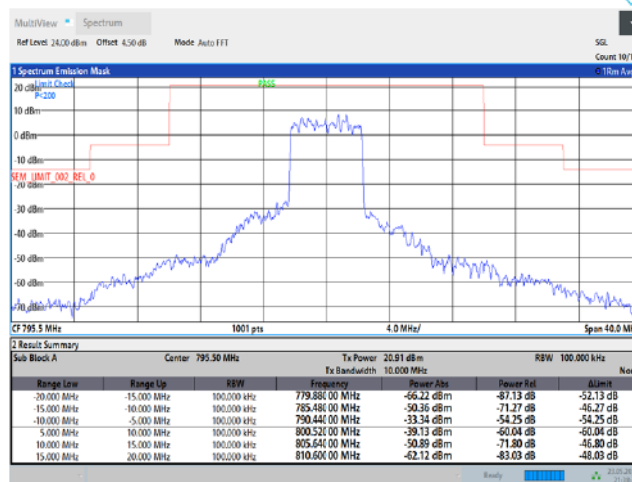
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Band14-5MHz-QPSK-23355-1RB#24



21:39:03 23.05.2022

Band14-5MHz-QPSK-23355-25RB#0



21:38:43 23.05.2022



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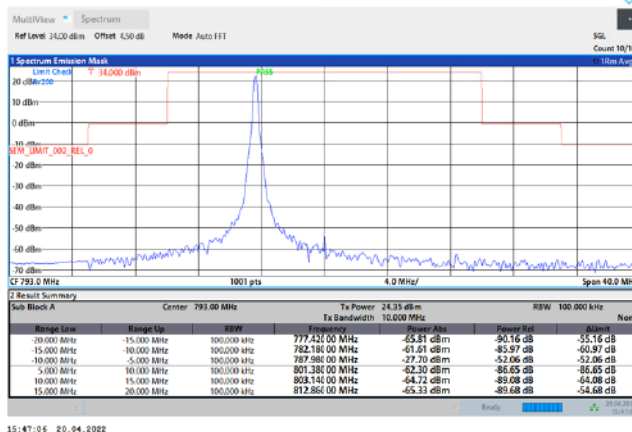
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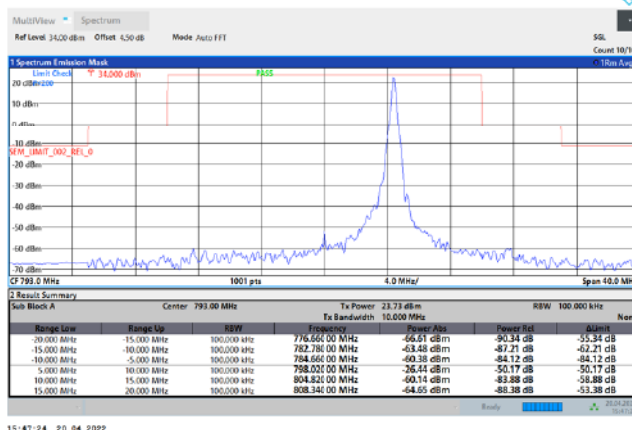
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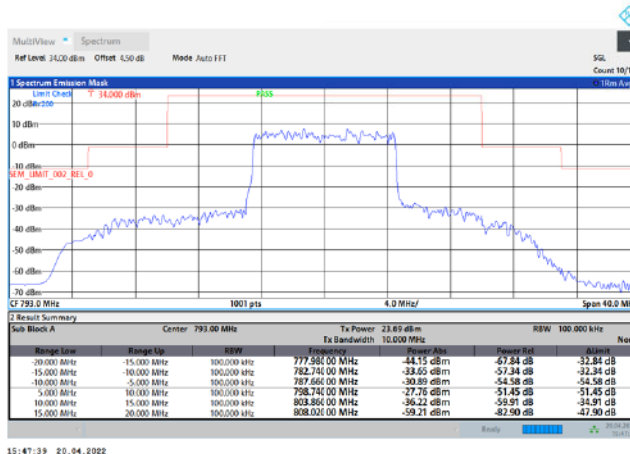
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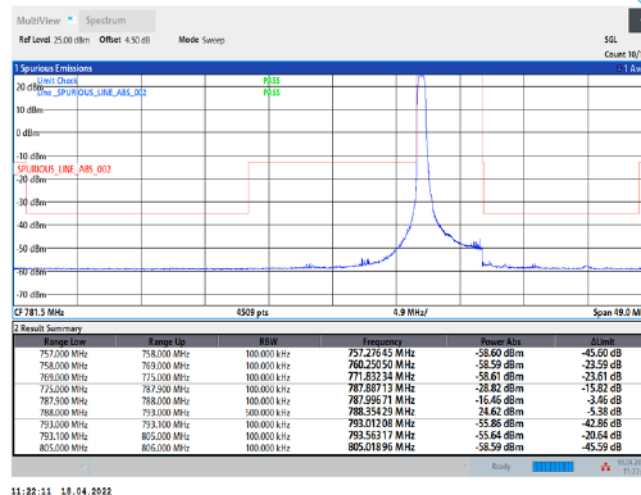
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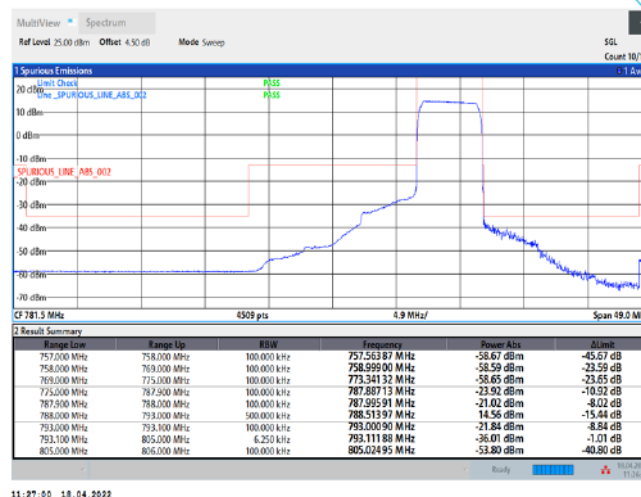
Band Edge

Test Graphs

Band14-5MHz-QPSK-23305-1RB#0



Band14-5MHz-QPSK-23305-25RB#0



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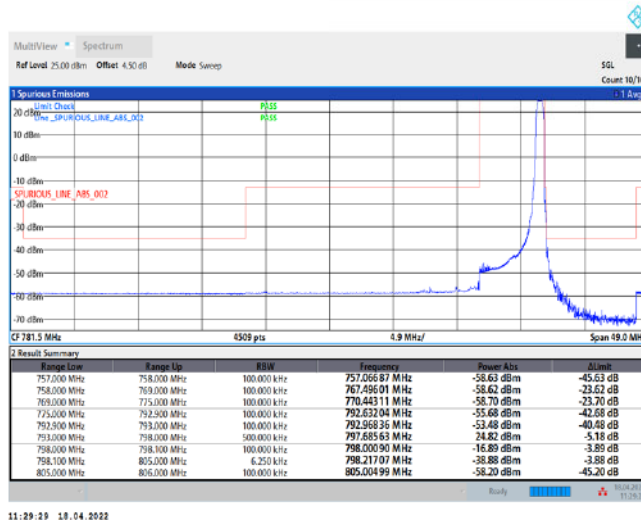
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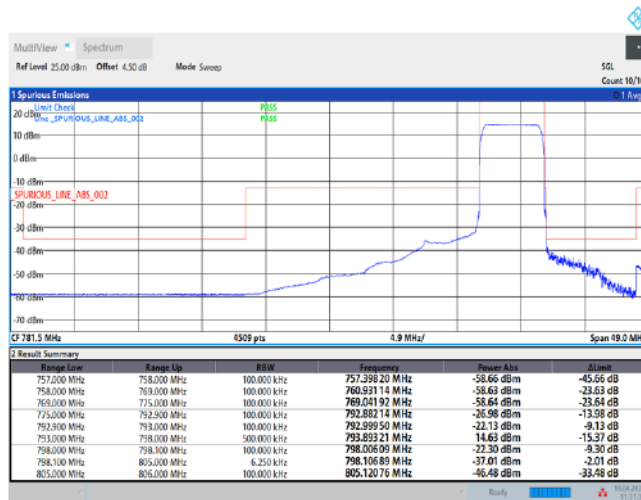
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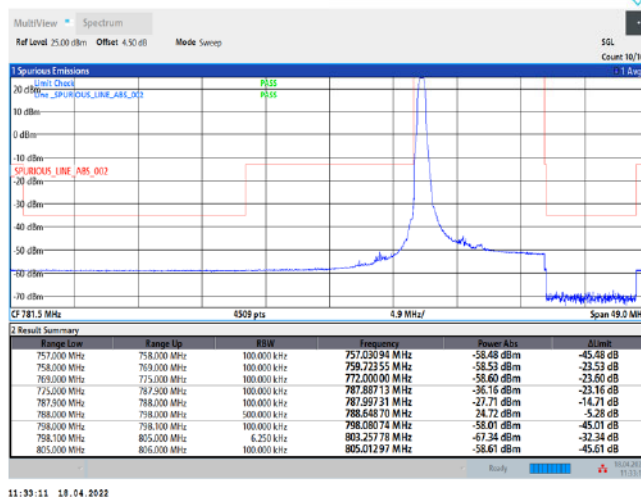
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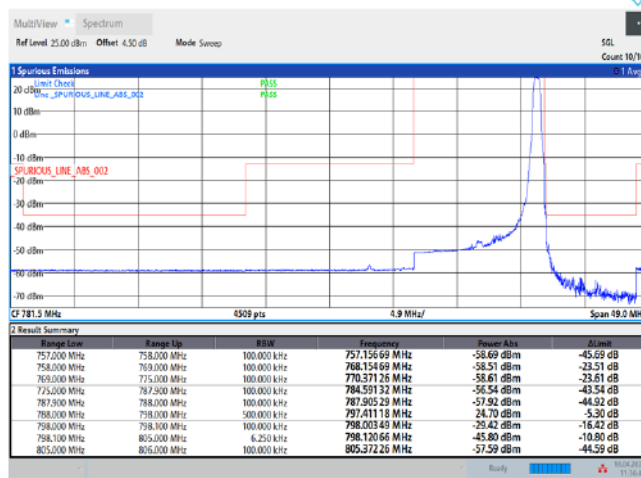
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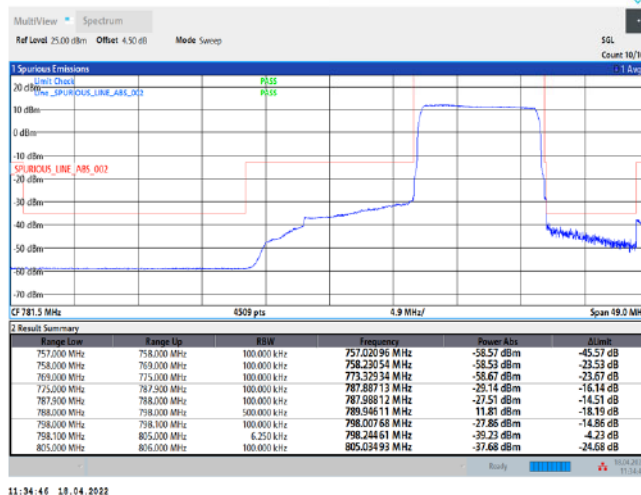
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