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Appendix B.5

LTE Band 5



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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
Band5	1.4MHz	QPSK	20407	1RB#0	23.79	19.64	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.87	19.72	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.72	19.57	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.81	18.66	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.47	19.32	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.61	19.46	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.47	19.32	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.51	18.36	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.35	19.20	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.50	19.35	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.35	19.20	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.43	18.28	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.07	18.92	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.25	19.10	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.01	18.86	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.91	17.76	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.78	18.63	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.85	18.70	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.79	18.64	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.63	17.48	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.71	18.56	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.77	18.62	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.65	18.50	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.54	17.39	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.95	17.80	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	22.02	17.87	38.45	PASS



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Band5	1.4MHz	64QAM	20407	1RB#5	21.85	17.70	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	20.83	16.68	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	21.68	17.53	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	21.77	17.62	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	21.64	17.49	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.54	16.39	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	21.48	17.33	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	21.71	17.56	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	21.48	17.33	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20.46	16.31	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.86	19.71	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.85	19.70	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.84	19.69	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.83	18.68	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.63	19.48	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.58	19.43	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.56	19.41	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.57	18.42	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.47	19.32	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.52	19.37	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.49	19.34	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.49	18.34	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.14	18.99	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.18	19.03	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.13	18.98	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.84	17.69	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.97	18.82	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.88	18.73	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.88	18.73	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.60	17.45	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.81	18.66	38.45	PASS



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Band5	3MHz	16QAM	20635	1RB#8	22.70	18.55	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.79	18.64	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.48	17.33	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	22.11	17.96	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	22.04	17.89	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	21.98	17.83	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.88	16.73	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	21.74	17.59	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	21.76	17.61	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.69	17.54	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.58	16.43	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.67	17.52	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	21.68	17.53	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.67	17.52	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	20.54	16.39	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.70	19.55	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.94	19.79	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.60	19.45	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.76	18.61	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.48	19.33	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.68	19.53	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.38	19.23	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.49	18.34	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.24	19.09	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.54	19.39	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.28	19.13	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.34	18.19	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.89	18.74	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.24	19.09	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.80	18.65	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.77	17.62	38.45	PASS



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Band5	5MHz	16QAM	20525	1RB#0	22.77	18.62	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.87	18.72	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.57	18.42	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.50	17.35	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.57	18.42	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.83	18.68	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.53	18.38	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.35	17.20	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.80	17.65	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	22.13	17.98	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.83	17.68	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.79	16.64	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	21.60	17.45	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	21.95	17.80	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	21.57	17.42	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.52	16.37	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	21.35	17.20	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	21.63	17.48	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	21.47	17.32	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	20.36	16.21	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.74	19.59	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.89	19.74	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.57	19.42	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.72	18.57	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.61	19.46	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.66	19.51	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.47	19.32	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.59	18.44	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.36	19.21	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.48	19.33	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.34	19.19	38.45	PASS



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Band5	10MHz	QPSK	20600	50RB#0	22.42	18.27	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.10	18.95	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.19	19.04	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.90	18.75	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.73	17.58	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.80	18.65	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.95	18.80	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.72	18.57	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.60	17.45	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.73	18.58	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.83	18.68	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.70	18.55	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.42	17.27	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	21.95	17.80	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	22.04	17.89	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	21.74	17.59	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.76	16.61	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	21.78	17.63	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	21.81	17.66	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	21.64	17.49	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.61	16.46	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	21.46	17.31	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.66	17.51	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.54	17.39	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.44	16.29	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	5.74	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.86	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.78	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.44	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.44	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.50	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.56	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.66	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.64	13	PASS



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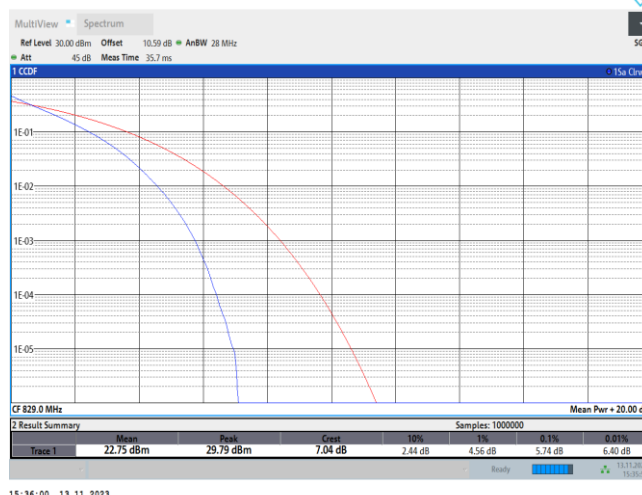
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Rev.: 01

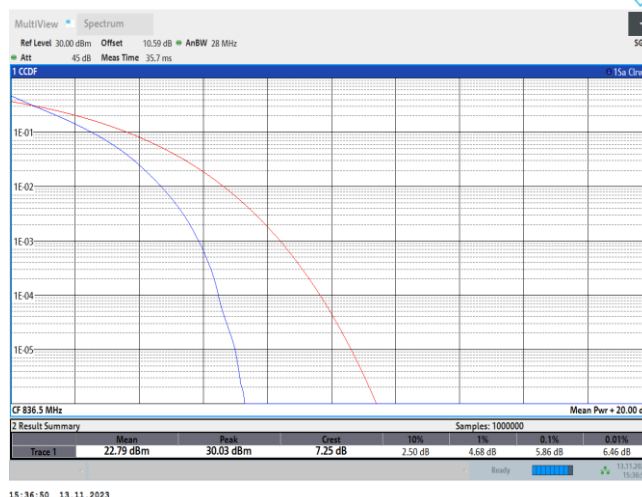
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Test Graphs

Band5-10MHz-QPSK-20450-50RB#0



Band5-10MHz-QPSK-20525-50RB#0



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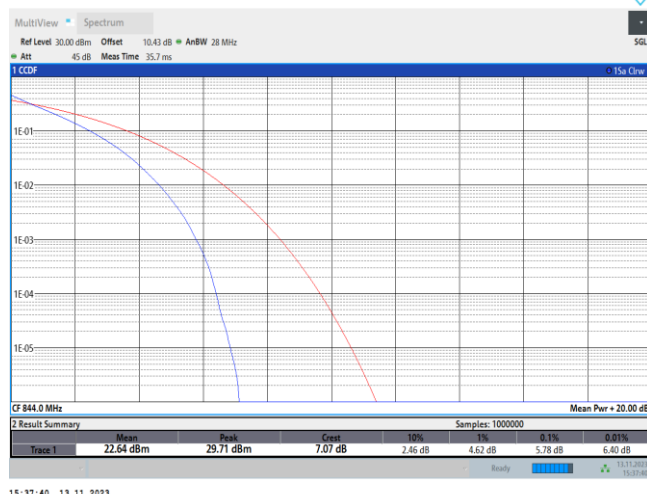
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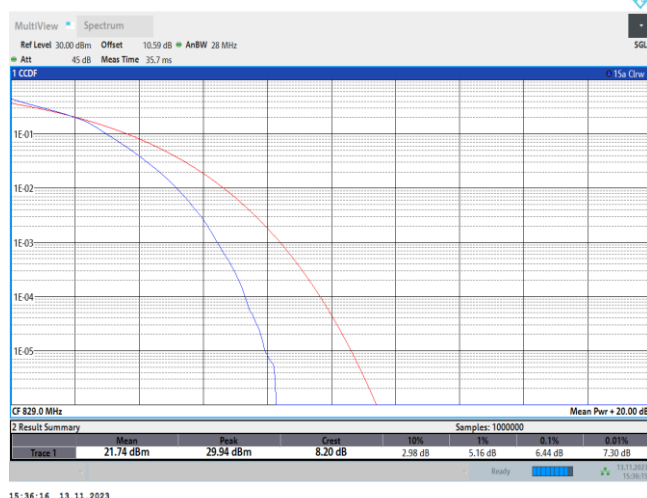
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Band5-10MHz-QPSK-20600-50RB#0



Band5-10MHz-16QAM-20450-50RB#0



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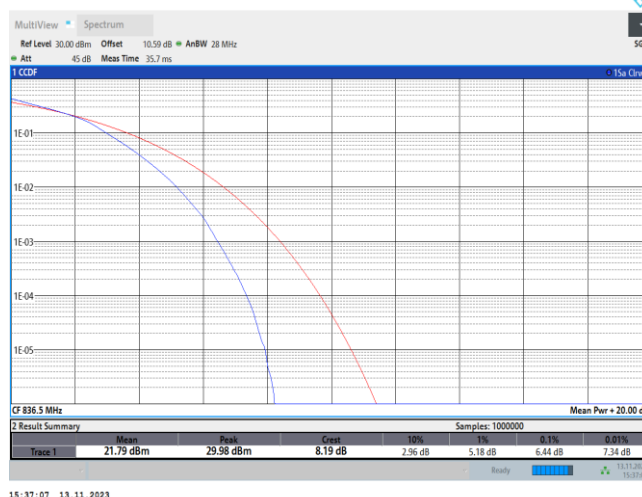
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Band5-10MHz-16QAM-20525-50RB#0



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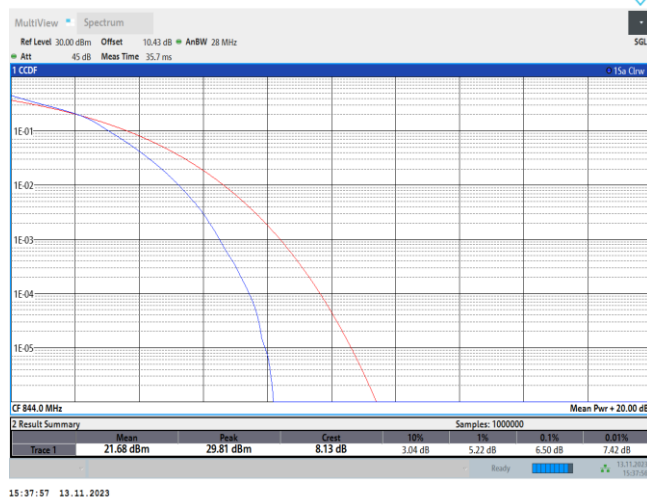
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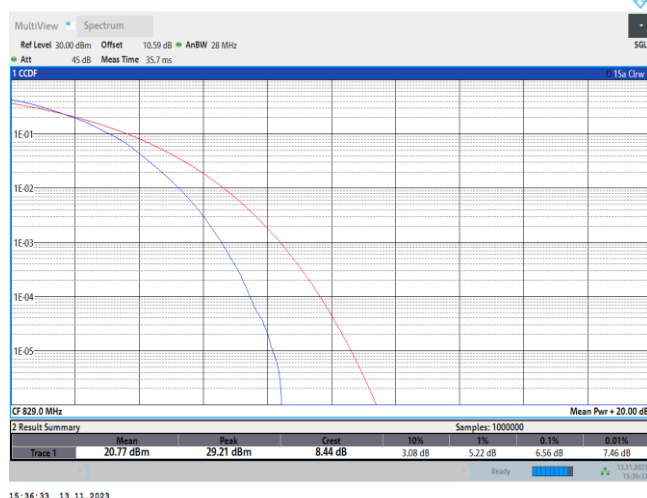
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Band5-10MHz-16QAM-20600-50RB#0



Band5-10MHz-64QAM-20450-50RB#0



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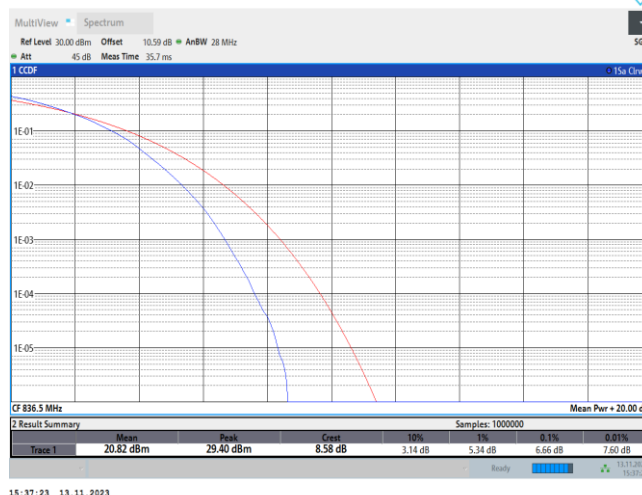
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Band5-10MHz-64QAM-20525-50RB#0



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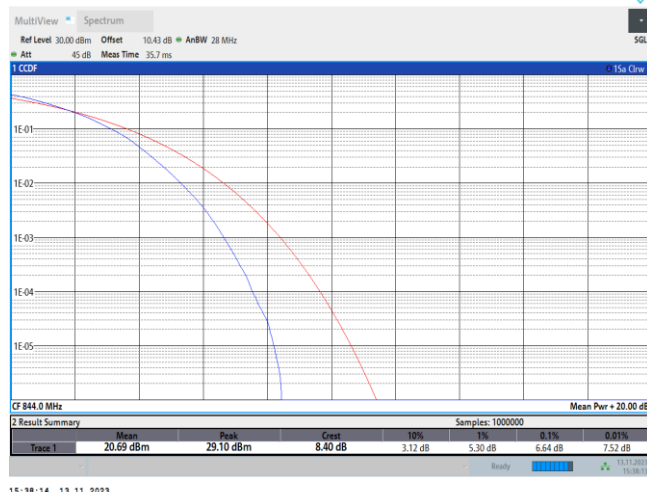
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Band5-10MHz-64QAM-20600-50RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.09	1.28	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.087	1.28	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.086	1.28	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.096	1.30	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.096	1.30	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.096	1.30	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.097	1.30	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.097	1.30	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.097	1.30	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.687	2.90	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.687	2.92	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.689	2.92	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.677	2.91	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.677	2.92	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.679	2.92	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.686	2.89	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.684	2.91	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.681	2.89	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.473	4.83	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.473	4.83	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.466	4.82	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.471	4.85	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.471	4.85	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.473	4.83	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.483	4.87	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.477	4.85	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.475	4.83	PASS



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Band5	10MHz	QPSK	20450	50RB#0	8.914	9.60	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.952	9.57	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.96	9.63	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.915	9.60	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.927	9.57	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.916	9.57	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.93	9.63	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.939	9.60	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.939	9.60	PASS



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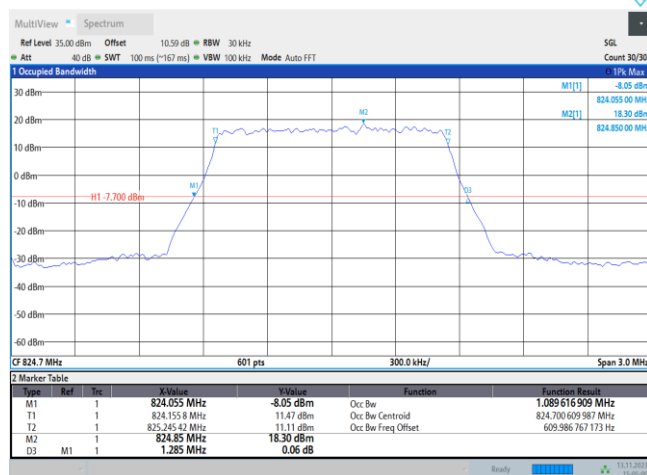
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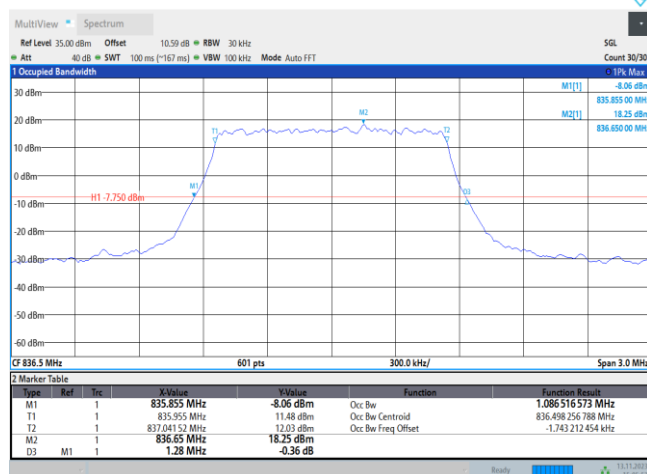
Test Graphs

Band5-1.4MHz-QPSK-20407-6RB#0



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Band5-1.4MHz-QPSK-20525-6RB#0



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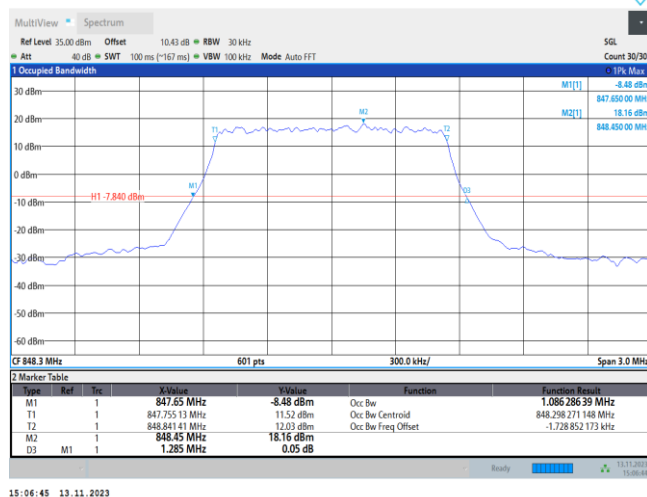
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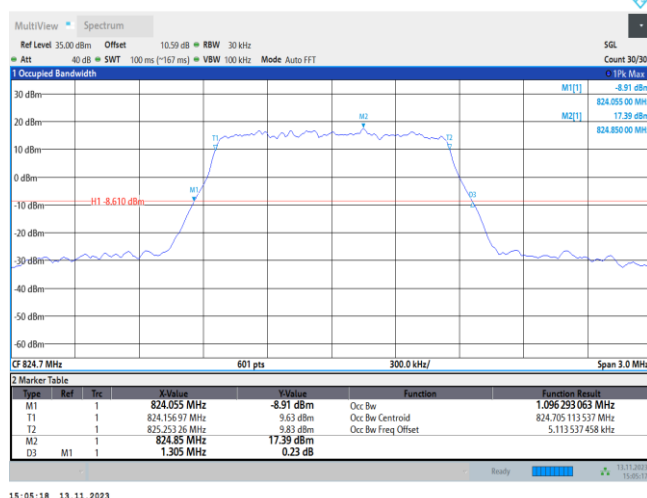
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Band5-1.4MHz-QPSK-20643-6RB#0



Band5-1.4MHz-16QAM-20407-6RB#0



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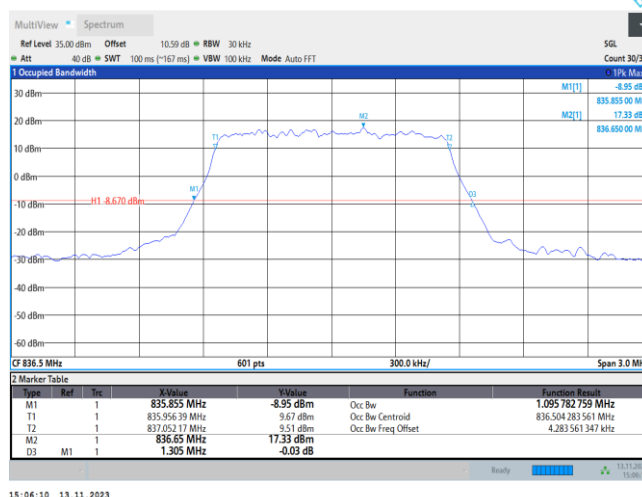
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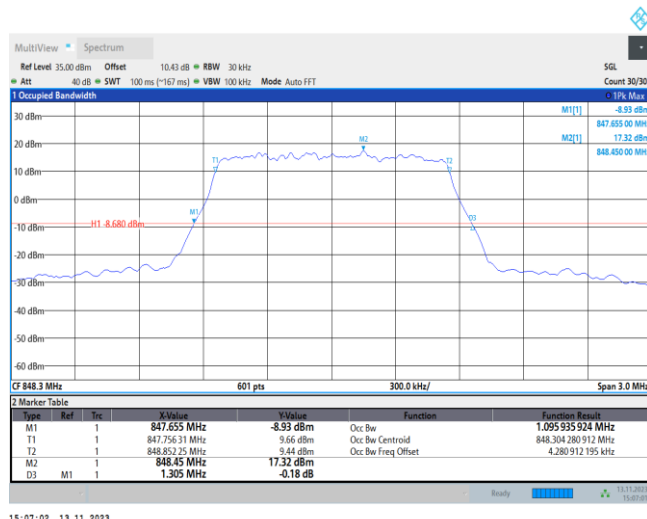
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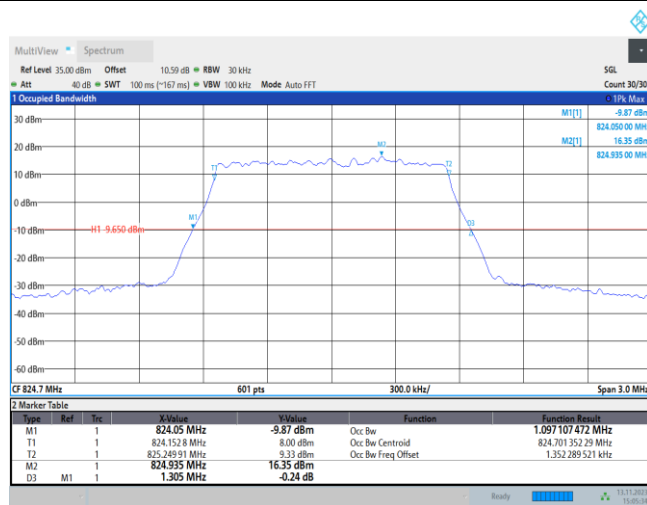
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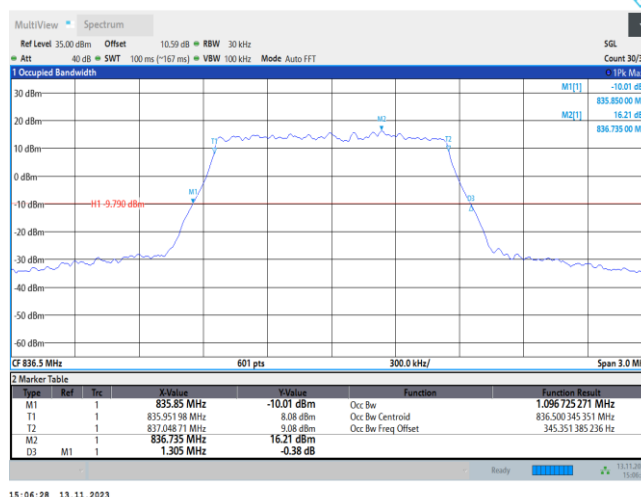
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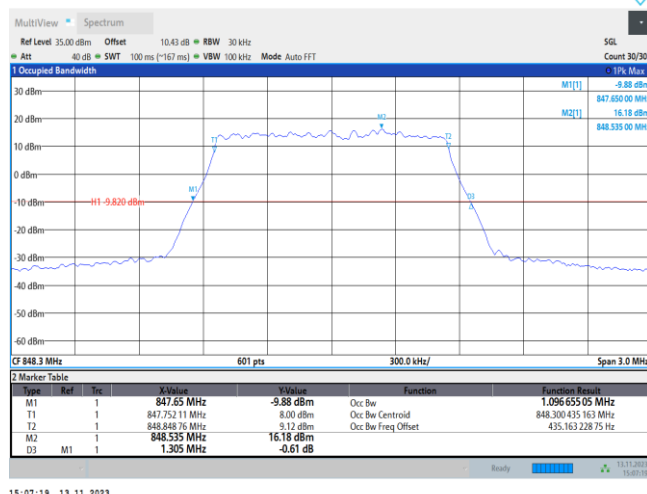
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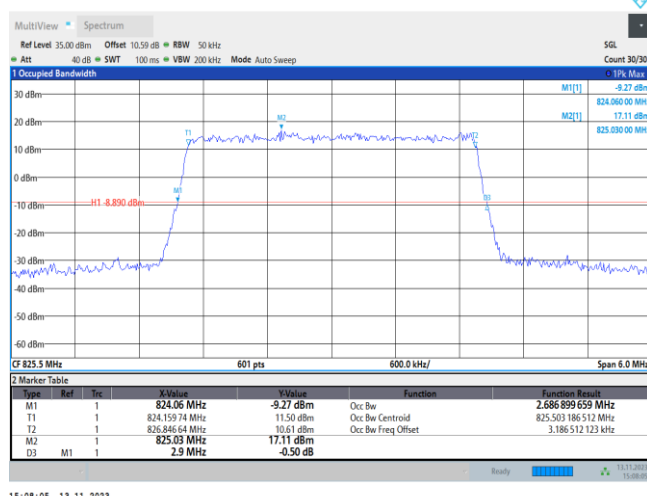
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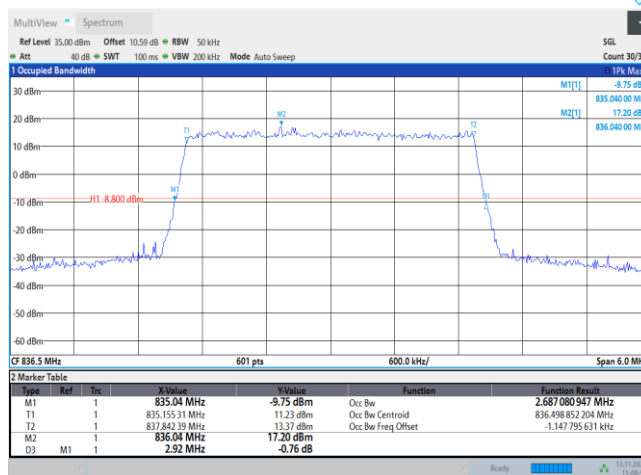
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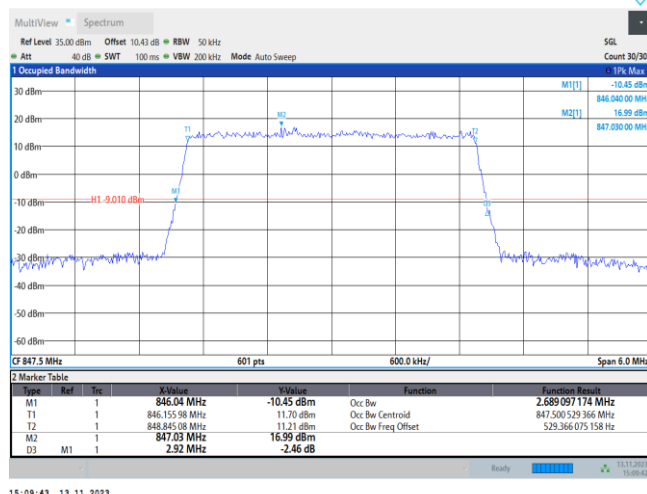
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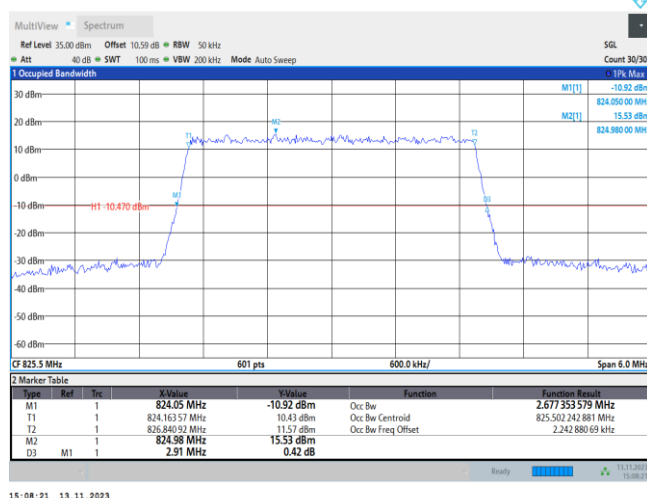
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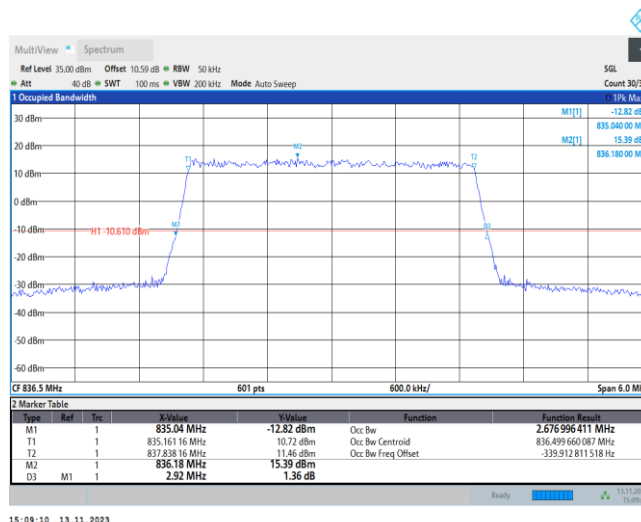
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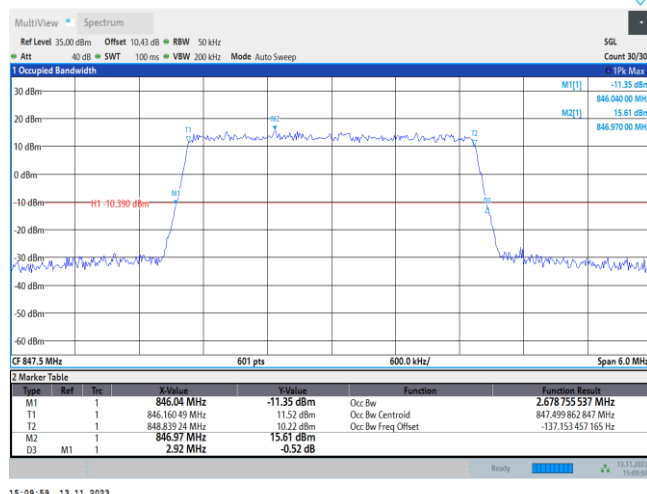
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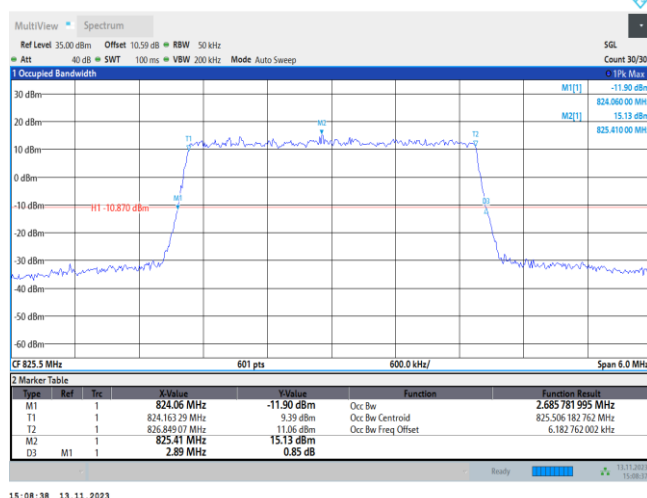
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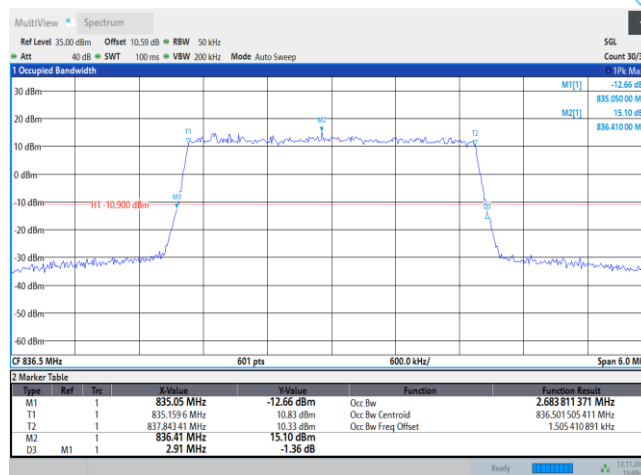
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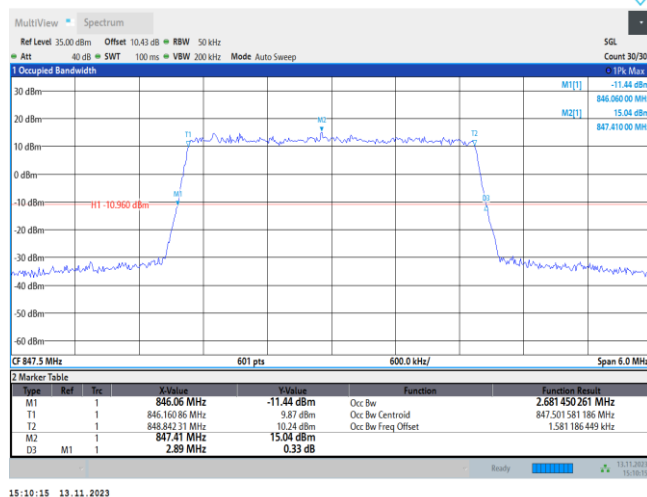
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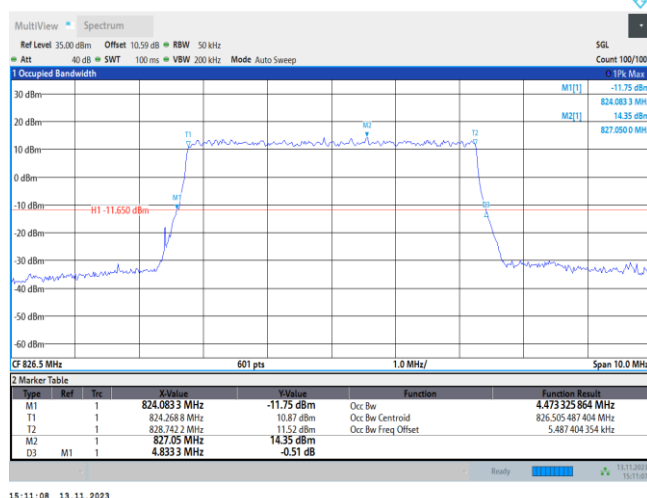
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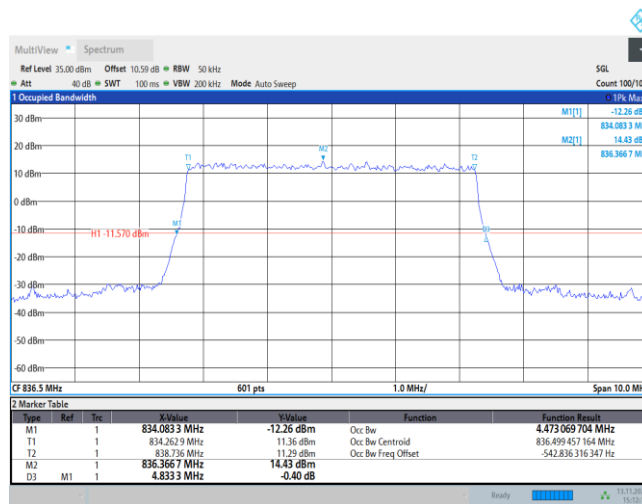
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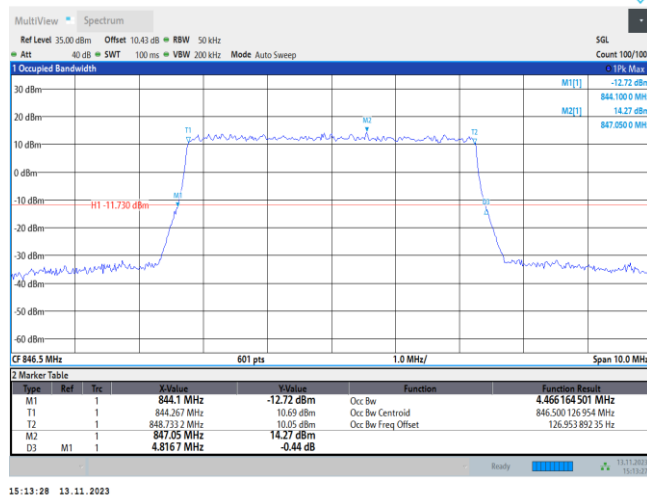
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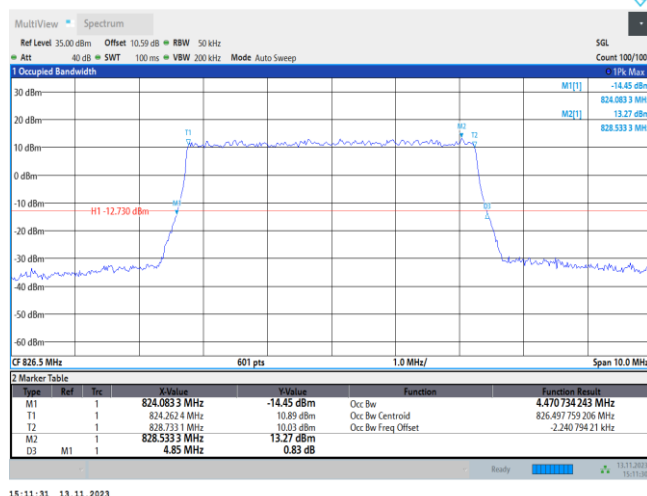
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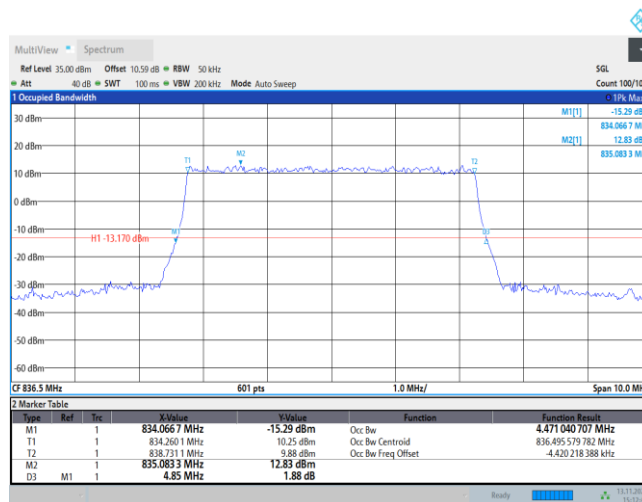
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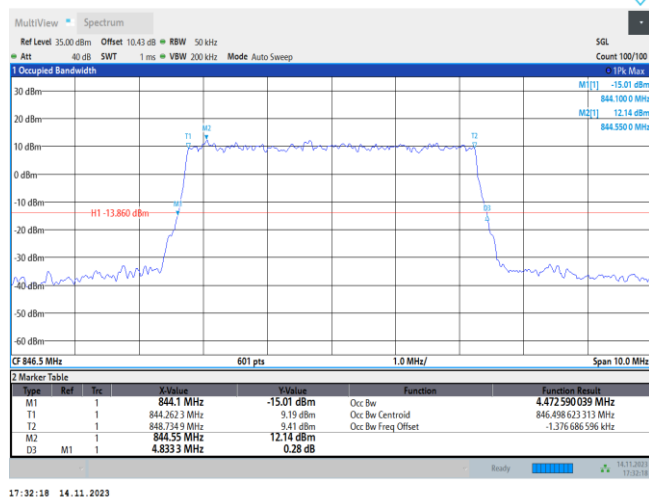
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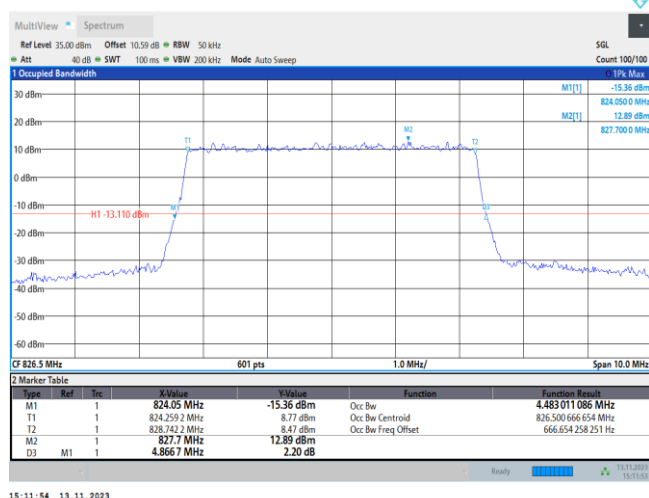
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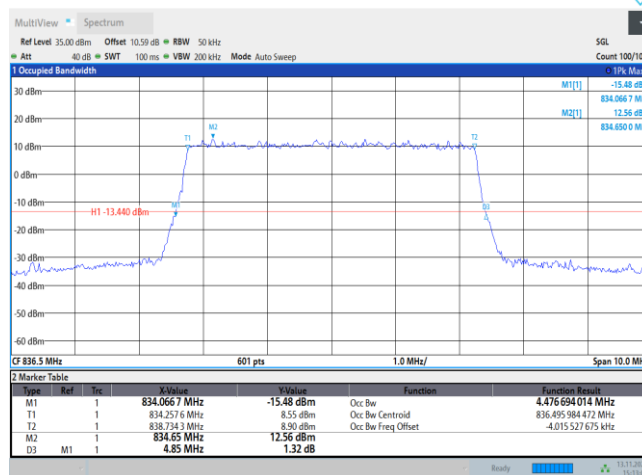
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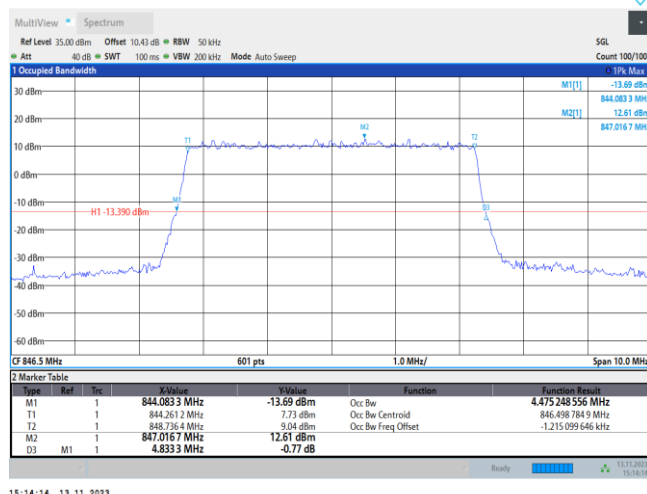
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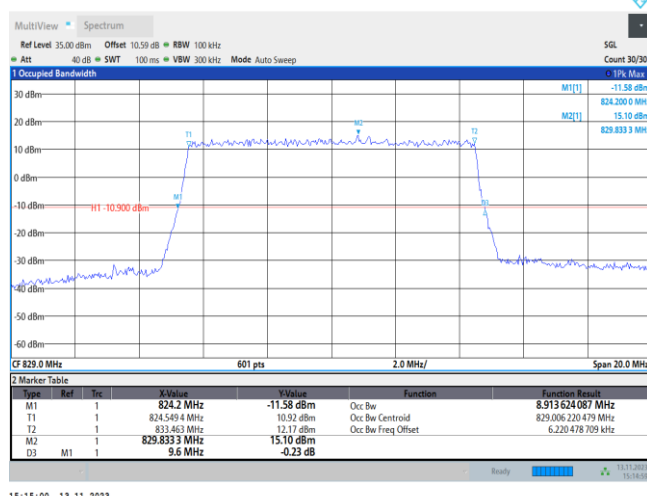
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Band5-10MHz-QPSK-20450-50RB#0



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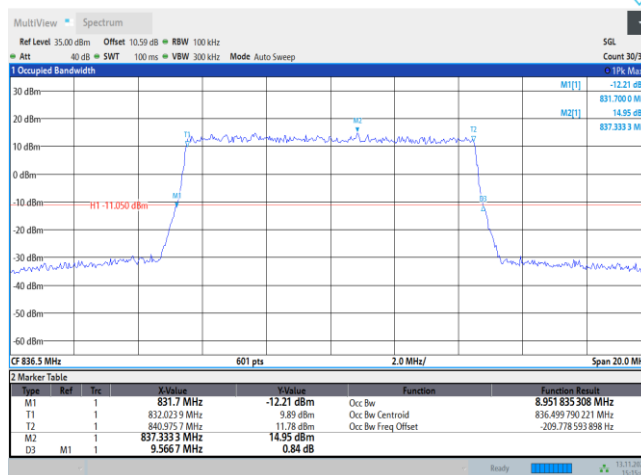
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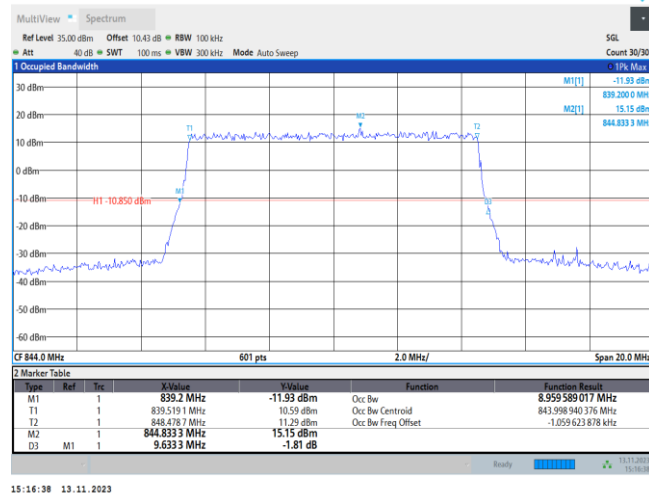
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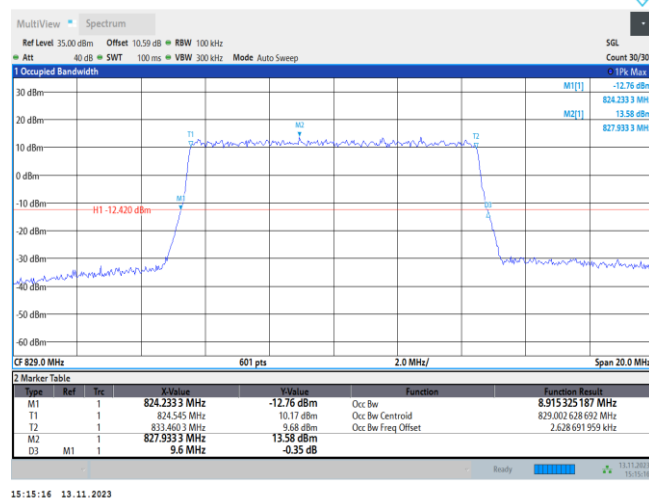
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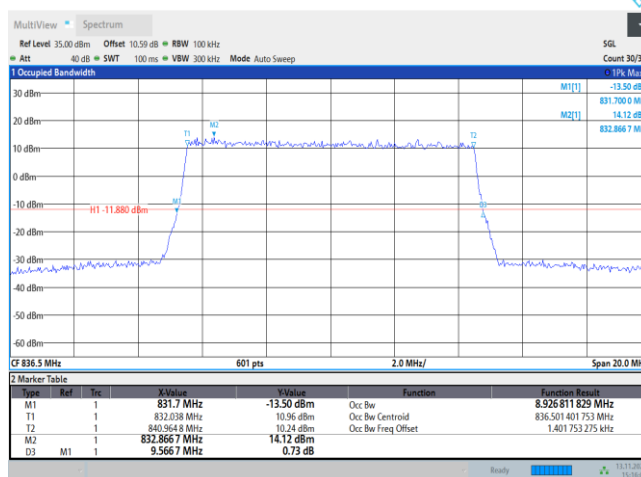
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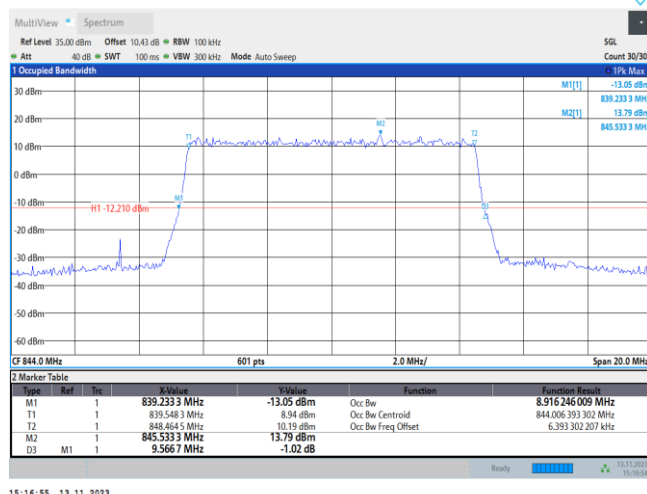
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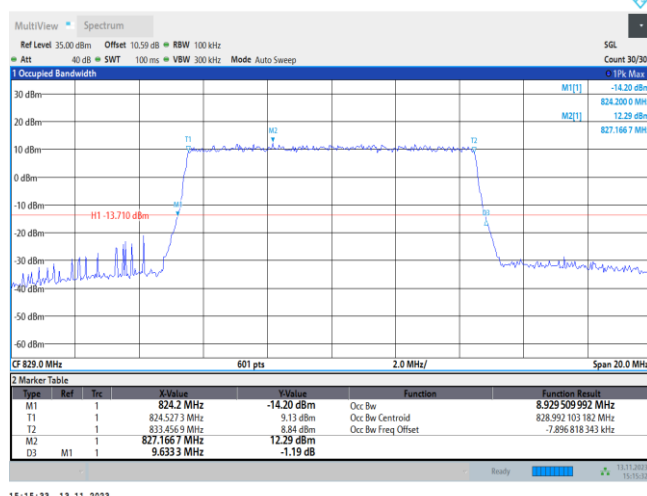
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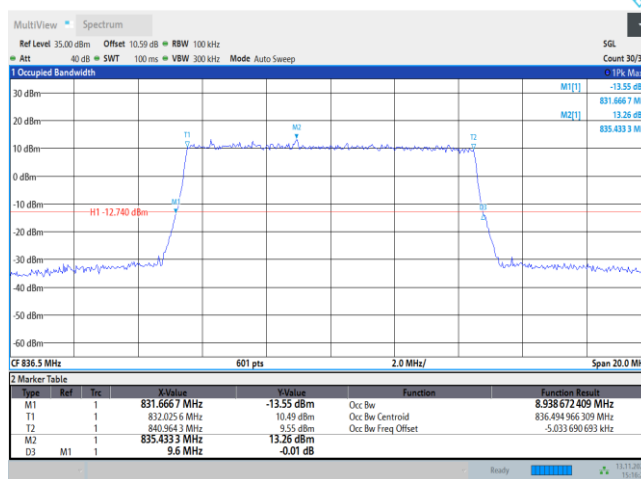
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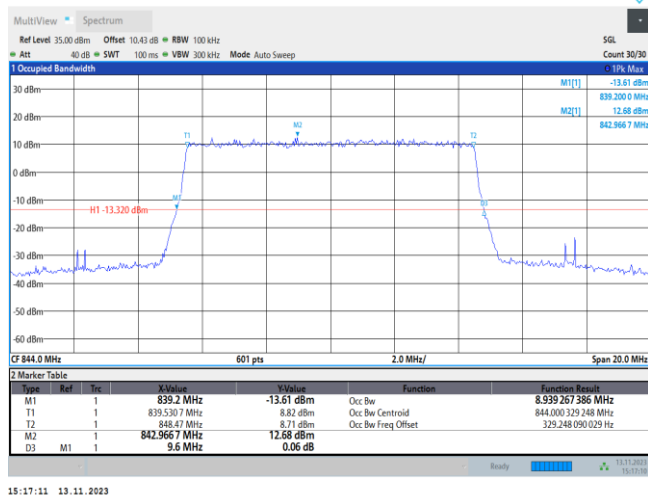
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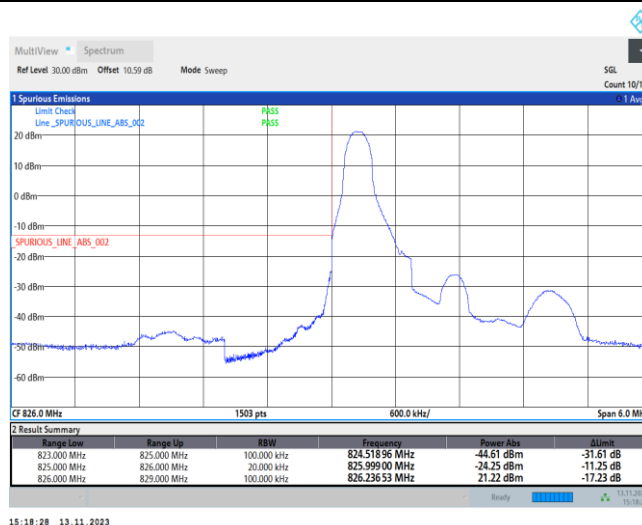
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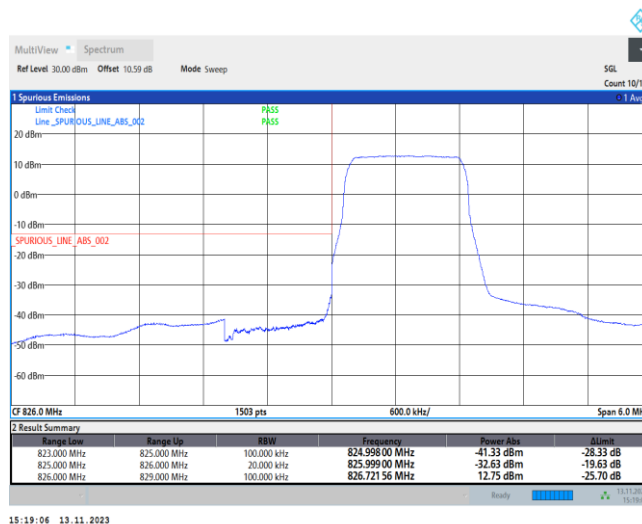
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Test Graphs

Band5-1.4MHz-QPSK-20427-1RB#0



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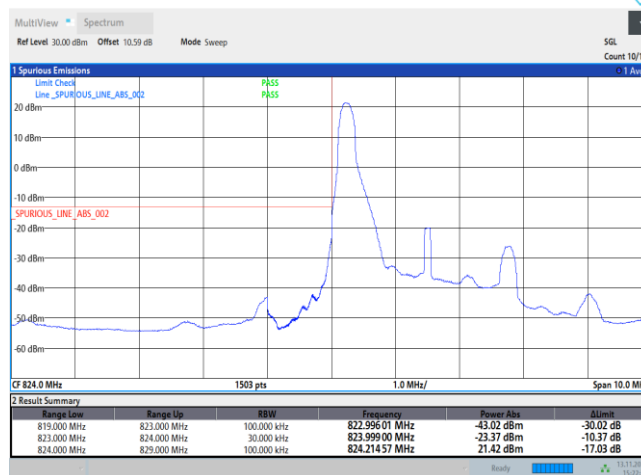
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Band5-3MHz-QPSK-20415-1RB#0



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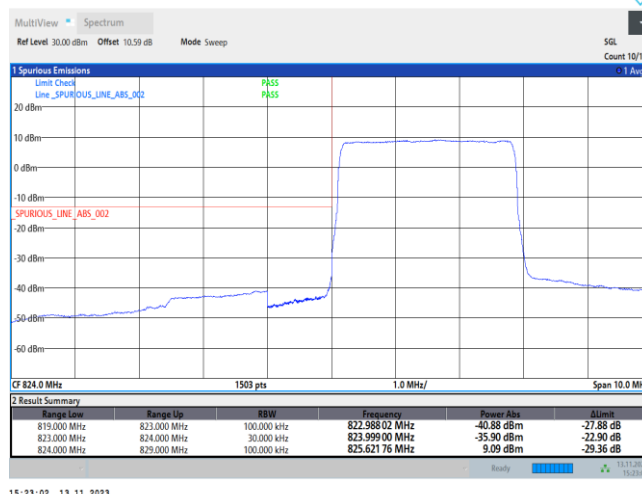
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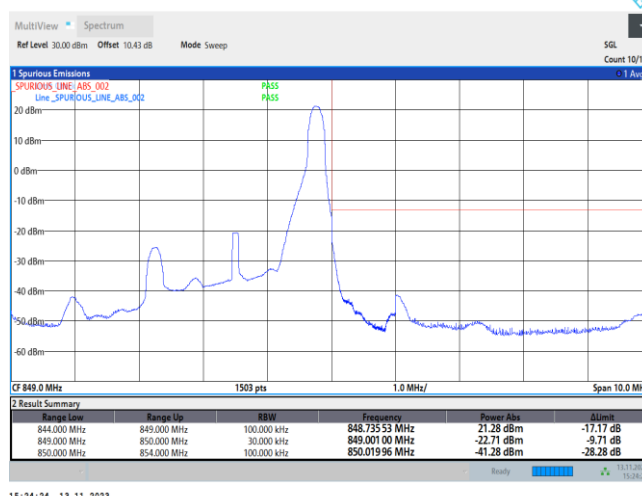
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Band5-3MHz-QPSK-20635-1RB#14



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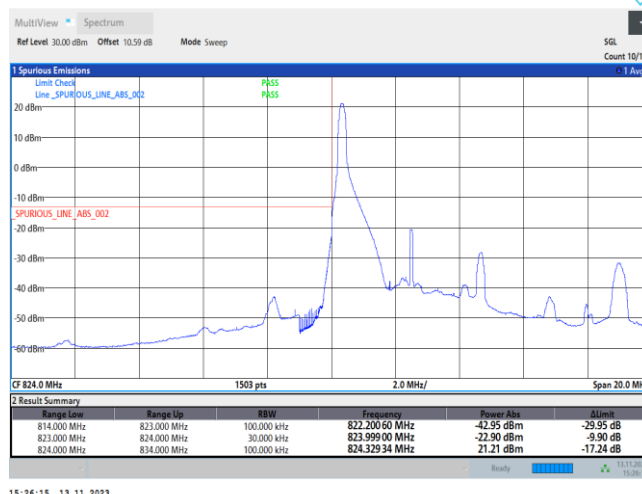
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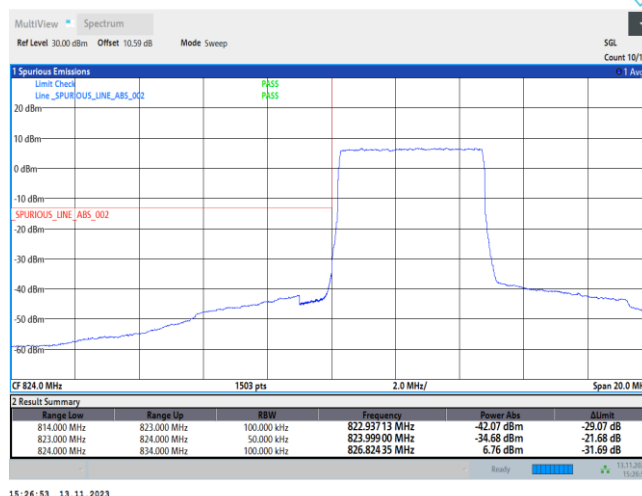
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Band5-5MHz-QPSK-20425-1RB#0



Band5-5MHz-QPSK-20425-25RB#0



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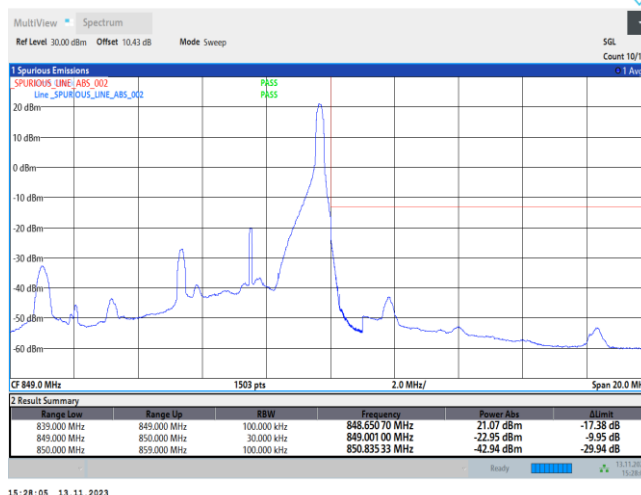
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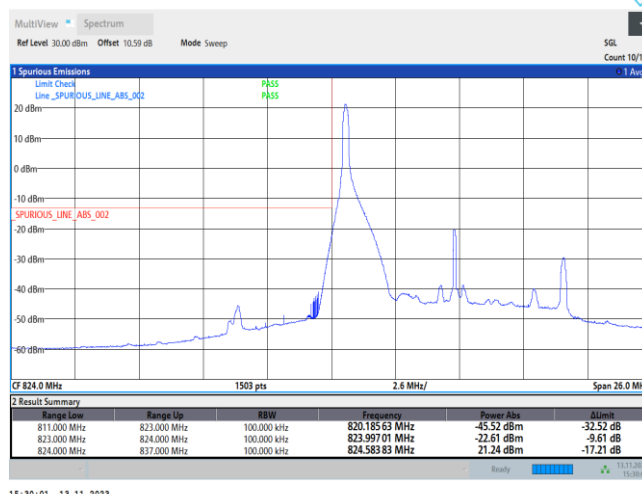
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Band5-5MHz-QPSK-20625-25RB#0



Band5-10MHz-QPSK-20450-1RB#0



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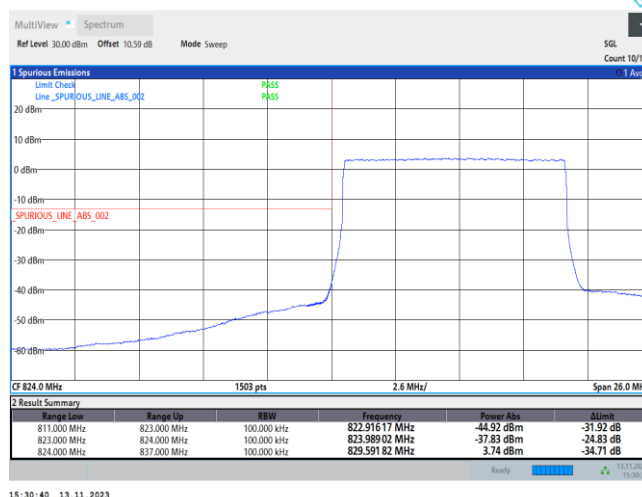
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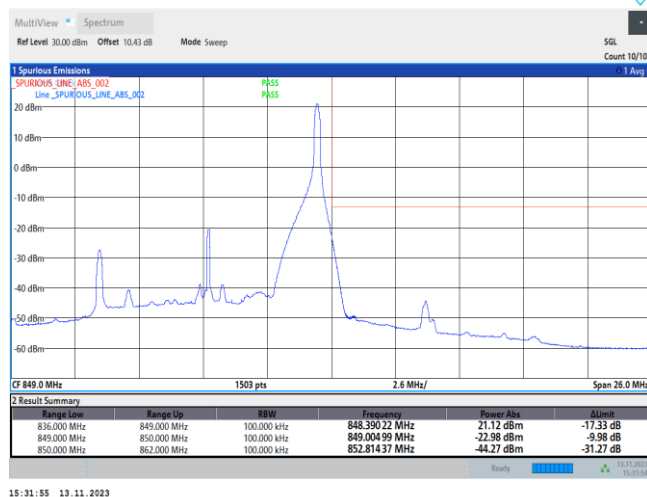
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Band5-10MHz-QPSK-20600-50RB#0



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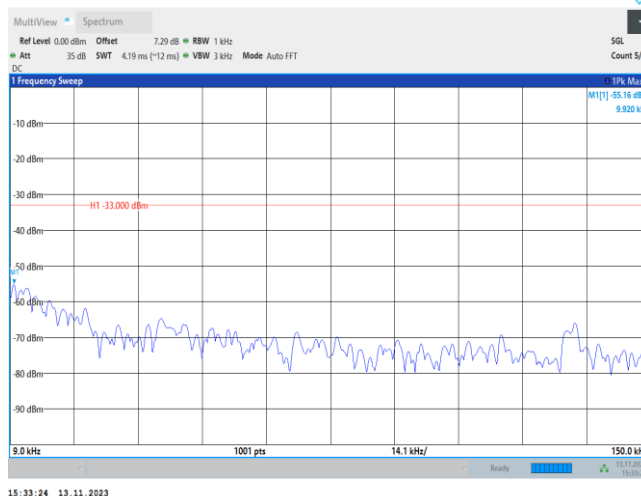
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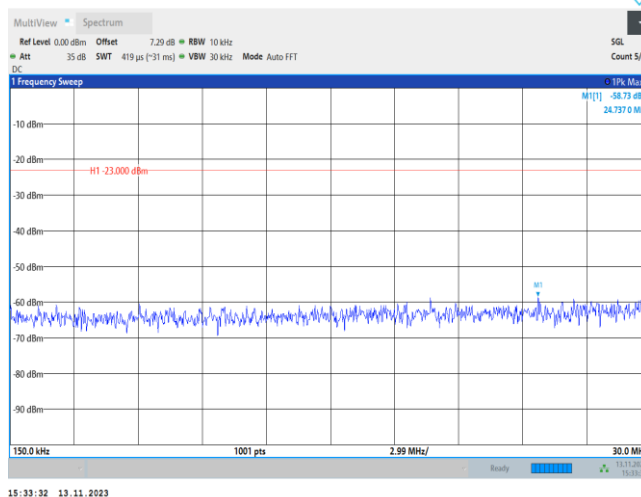
Conducted Spurious Emission

Test Graphs

Band5-10MHz-QPSK-20450-1RB#0-Range1:0.009~0.15MHz



Band5-10MHz-QPSK-20450-1RB#0-Range2:0.15~30MHz



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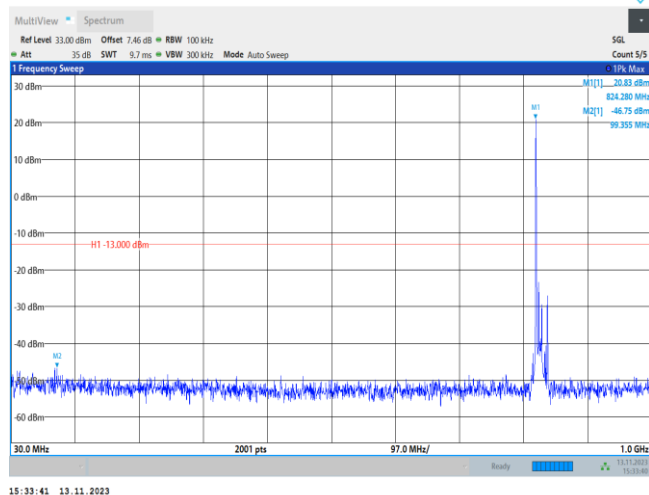
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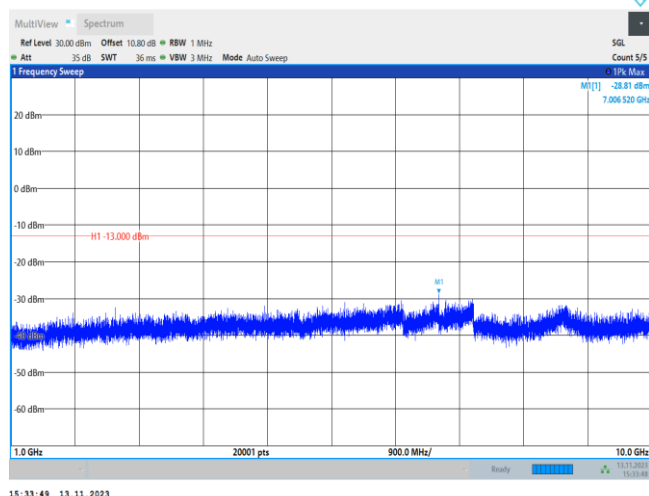
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Band5-10MHz-QPSK-20450-1RB#0-Range4:1000~10000MHz



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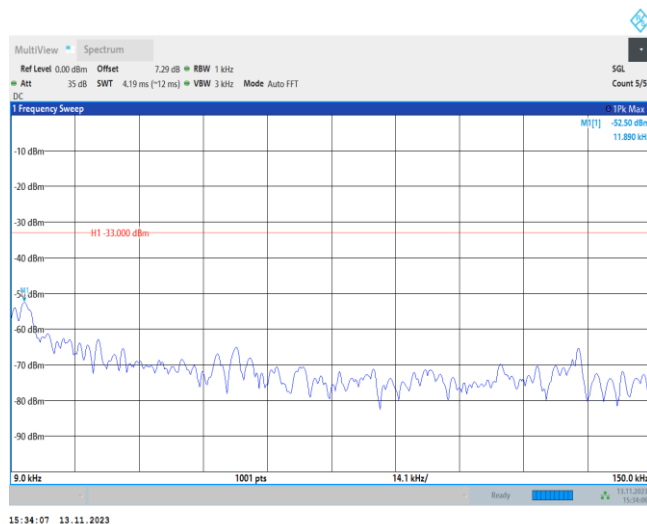
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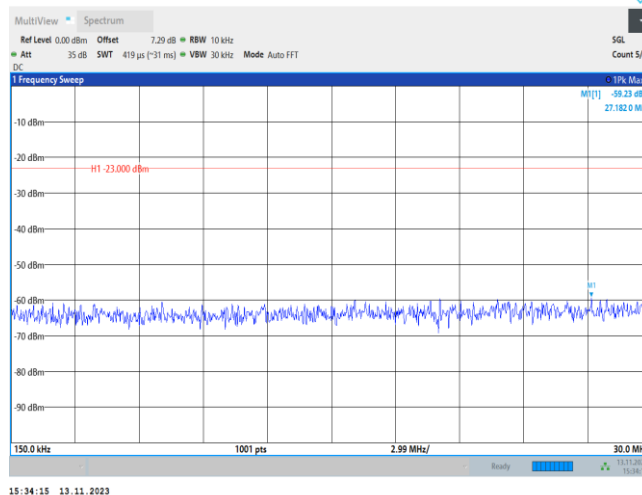
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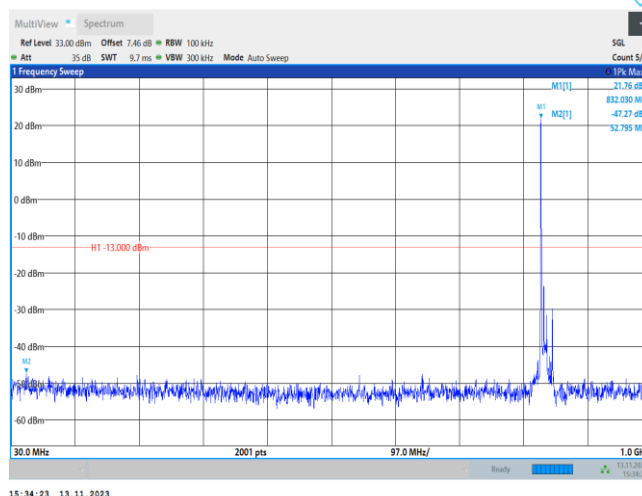
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Band5-10MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



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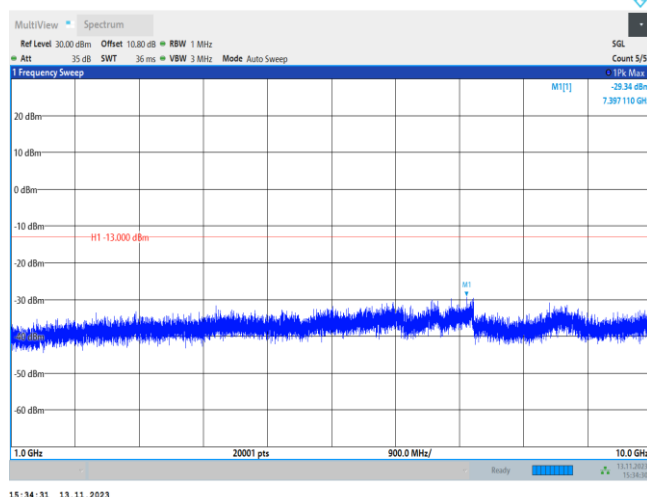
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Band5-10MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz



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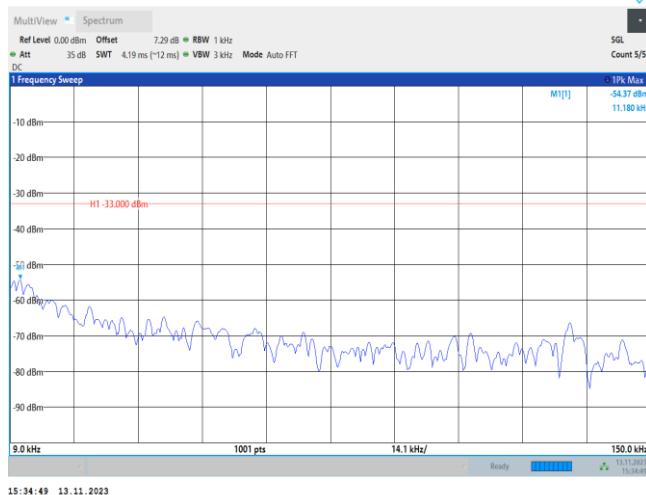
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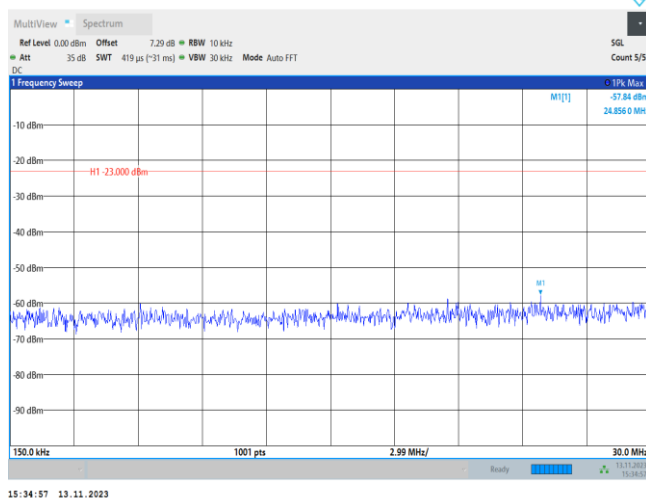
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Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



Band5-10MHz-QPSK-20600-1RB#0-Range2:0.15~30MHz



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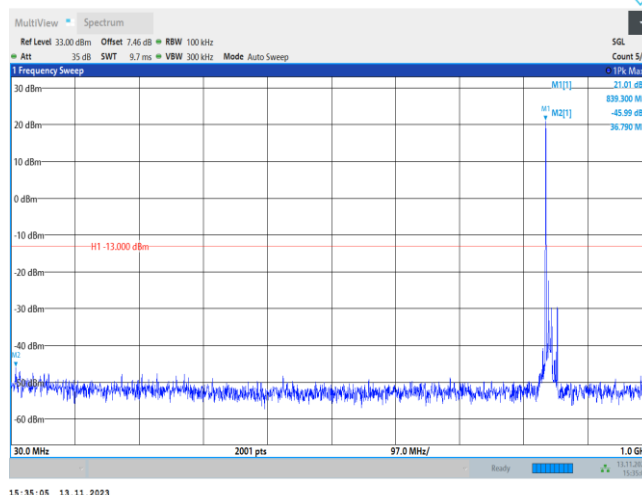
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Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz



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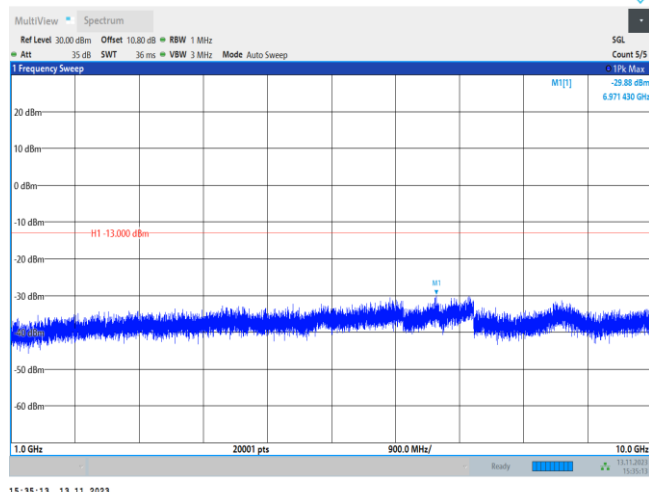
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Band5-10MHz-QPSK-20600-1RB#0-Range4:1000~10000MHz



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Field Strength of Spurious Radiation

Test Band = LTE_B5

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1156	55.26	-53.38	25.86	-67.52	-13.00	54.52	Horizontal
2	1649	69.60	-52.88	25.90	-52.64	-13.00	39.64	Horizontal
3	2473.5	58.60	-51.24	27.95	-59.95	-13.00	46.95	Horizontal
4	3738	53.83	-48.96	30.45	-59.94	-13.00	46.94	Horizontal
5	5125.5	51.78	-44.18	33.55	-54.11	-13.00	41.11	Horizontal
6	7595	49.50	-42.05	36.71	-51.10	-13.00	38.10	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1234	54.77	-53.88	25.67	-68.70	-13.00	55.70	Vertical
2	1649	70.57	-52.88	25.90	-51.67	-13.00	38.67	Vertical
3	2473.5	60.88	-51.24	27.95	-57.67	-13.00	44.67	Vertical
4	3739.5	54.14	-48.95	30.46	-59.61	-13.00	46.61	Vertical
5	5108.5	51.59	-44.09	33.52	-54.24	-13.00	41.24	Vertical
6	8552	48.62	-41.44	39.06	-49.02	-13.00	36.02	Vertical



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Test Band = LTE_B5

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1232.5	54.85	-53.86	25.67	-68.60	-13.00	55.60	Horizontal
2	1664	66.35	-52.81	25.87	-55.85	-13.00	42.85	Horizontal
3	2496.5	61.40	-51.21	27.99	-57.08	-13.00	44.08	Horizontal
4	3732	53.69	-48.99	30.43	-60.13	-13.00	47.13	Horizontal
5	5143.5	51.95	-44.28	33.59	-54.00	-13.00	41.00	Horizontal
6	7562.5	49.72	-42.08	36.78	-50.84	-13.00	37.84	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1234	55.01	-53.88	25.67	-68.46	-13.00	55.46	Vertical
2	1664	68.19	-52.81	25.87	-54.01	-13.00	41.01	Vertical
3	2496.5	57.13	-51.21	27.99	-61.35	-13.00	48.35	Vertical
4	3992.5	52.49	-47.99	31.07	-59.69	-13.00	46.69	Vertical
5	5142.5	51.66	-44.28	33.59	-54.29	-13.00	41.29	Vertical
6	7973.5	50.08	-42.44	37.45	-50.17	-13.00	37.17	Vertical



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Test Band = LTE_B5

Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679	69.14	-52.74	25.84	-53.02	-13.00	40.02	Horizontal
2	2518.5	56.36	-51.09	28.11	-61.88	-13.00	48.88	Horizontal
3	3312	53.33	-49.72	30.46	-61.19	-13.00	48.19	Horizontal
4	5077.5	52.56	-44.31	33.46	-53.55	-13.00	40.55	Horizontal
5	6657	50.97	-44.03	36.06	-52.26	-13.00	39.26	Horizontal
6	8940	49.35	-40.71	38.46	-48.16	-13.00	35.16	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679	72.05	-52.74	25.84	-50.11	-13.00	37.11	Vertical
2	2518.5	57.03	-51.09	28.11	-61.21	-13.00	48.21	Vertical
3	3749.5	54.12	-48.89	30.50	-59.53	-13.00	46.53	Vertical
4	5141	52.28	-44.27	33.58	-53.67	-13.00	40.67	Vertical
5	7091.5	50.95	-43.32	36.80	-50.83	-13.00	37.83	Vertical
6	9036	49.42	-40.30	38.73	-47.41	-13.00	34.41	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) - Preamplifier (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	VL	NT	-8.60	-0.010281	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-6.60	-0.007890	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-2.60	-0.003108	±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	-3.80	-0.004543	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-4.00	-0.004782	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-2.80	-0.003347	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-6.30	-0.007531	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-4.50	-0.005380	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-9.10	-0.010879	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-4.70	-0.005619	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-10.60	-0.012672	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-4.20	-0.005021	±2.5	PASS

---End of Attachment---



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