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Appendix B.5

LTE Band 5



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Wireless Laboratory

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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	23.83	19.80	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.88	19.85	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.83	19.80	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.87	18.84	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.99	19.96	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	24.11	20.08	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.99	19.96	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.07	19.04	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.91	19.88	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.99	19.96	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.87	19.84	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	23.01	18.98	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.02	18.99	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.17	19.14	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.15	19.12	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.94	17.91	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.19	19.16	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.37	19.34	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.21	19.18	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.20	18.17	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.18	19.15	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.29	19.26	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.19	19.16	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.12	18.09	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	22.04	18.01	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	22.09	18.06	38.45	PASS



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Band5	1.4MHz	64QAM	20407	1RB#5	22.02	17.99	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	21.00	16.97	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	22.25	18.22	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	22.32	18.29	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	22.22	18.19	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	21.14	17.11	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	22.10	18.07	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	22.22	18.19	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	22.10	18.07	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	21.12	17.09	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.84	19.81	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.84	19.81	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.86	19.83	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.84	18.81	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.99	19.96	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.03	20.00	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	24.05	20.02	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.08	19.05	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.99	19.96	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.97	19.94	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.97	19.94	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	23.01	18.98	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.18	19.15	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.16	19.13	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.08	19.05	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.87	17.84	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.26	19.23	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.32	19.29	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.30	19.27	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.10	18.07	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.24	19.21	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.19	19.16	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.17	19.14	38.45	PASS



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Band5	3MHz	16QAM	20635	15RB#0	22.04	18.01	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	22.00	17.97	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	22.15	18.12	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	22.09	18.06	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.92	16.89	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	22.22	18.19	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	22.20	18.17	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	22.33	18.30	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	21.15	17.12	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	22.23	18.20	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	22.19	18.16	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	22.18	18.15	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	21.12	17.09	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.73	19.70	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.00	19.97	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.76	19.73	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.88	18.85	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.88	19.85	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.23	20.20	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.96	19.93	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.07	19.04	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.94	19.91	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	24.13	20.10	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.83	19.80	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.02	18.99	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.06	19.03	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.15	19.12	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.96	18.93	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.91	17.88	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.17	19.14	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.46	19.43	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.28	19.25	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.10	18.07	38.45	PASS



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Band5	5MHz	16QAM	20625	1RB#0	23.23	19.20	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.43	19.40	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.01	18.98	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.06	18.03	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.95	17.92	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	22.25	18.22	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.99	17.96	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.99	16.96	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	22.11	18.08	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	22.50	18.47	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	22.19	18.16	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	21.18	17.15	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	22.12	18.09	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	22.31	18.28	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	22.06	18.03	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	21.14	17.11	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.81	19.78	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.96	19.93	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.91	19.88	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.93	18.90	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.90	19.87	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.14	20.11	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	24.05	20.02	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	23.10	19.07	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.96	19.93	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	24.11	20.08	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.90	19.87	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	23.08	19.05	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.12	19.09	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.15	19.12	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.25	19.22	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.96	17.93	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.12	19.09	38.45	PASS



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Band5	10MHz	16QAM	20525	1RB#24	23.36	19.33	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.39	19.36	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.13	18.10	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.28	19.25	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.42	19.39	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.12	19.09	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.09	18.06	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	21.94	17.91	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	22.18	18.15	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	22.09	18.06	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	21.03	17.00	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	22.09	18.06	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	22.35	18.32	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	22.22	18.19	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	21.20	17.17	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	22.17	18.14	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	22.32	18.29	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	22.14	18.11	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	21.17	17.14	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	4.92	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.86	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.32	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.80	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.76	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.06	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.40	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.38	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.56	13	PASS



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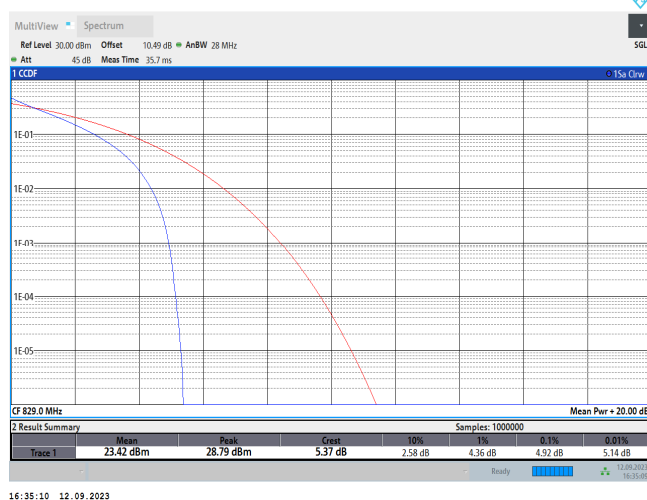
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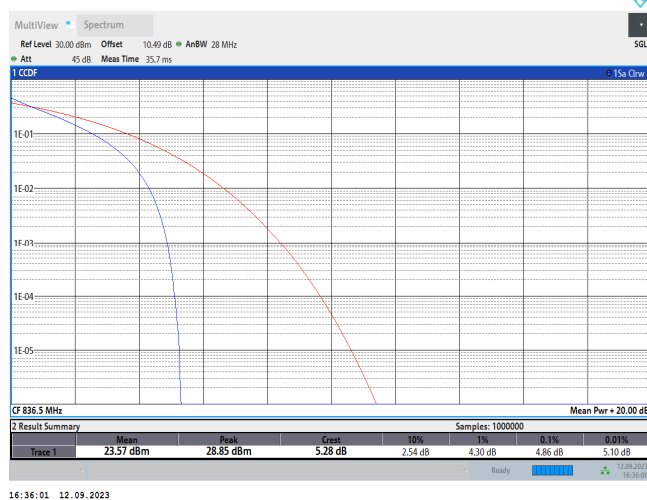
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Test Graphs

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



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



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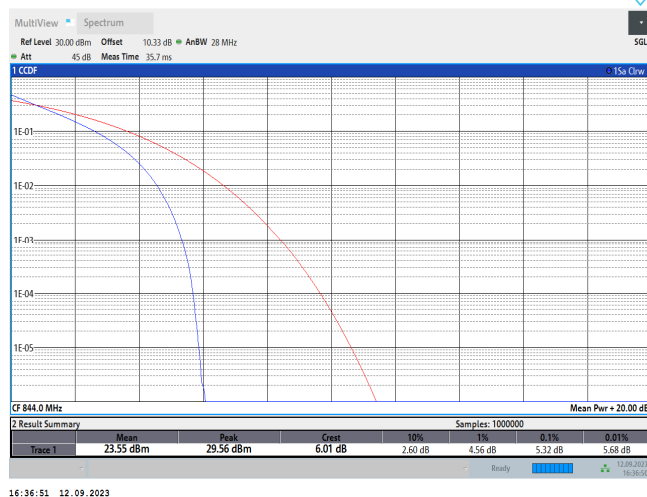
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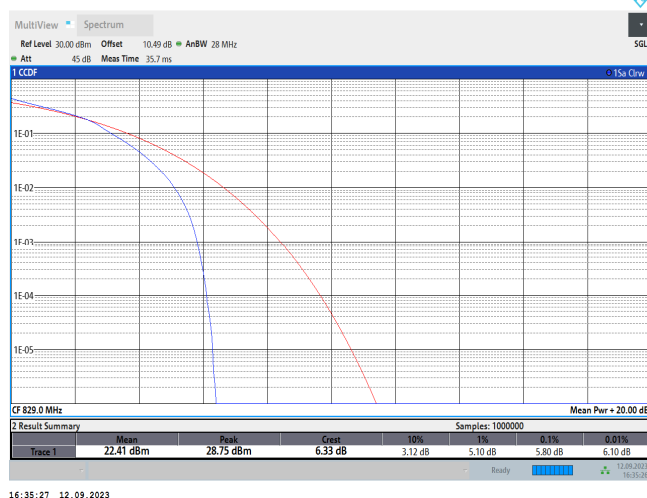
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Band5-10MHz-QPSK-20600-50RB#0



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



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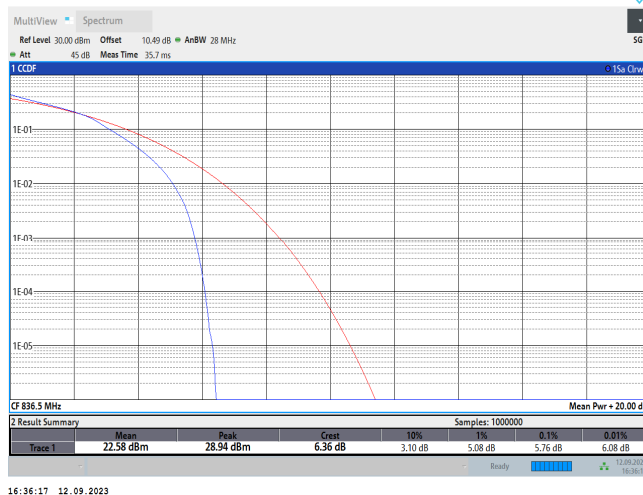
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Band5-10MHz-16QAM-20525-50RB#0



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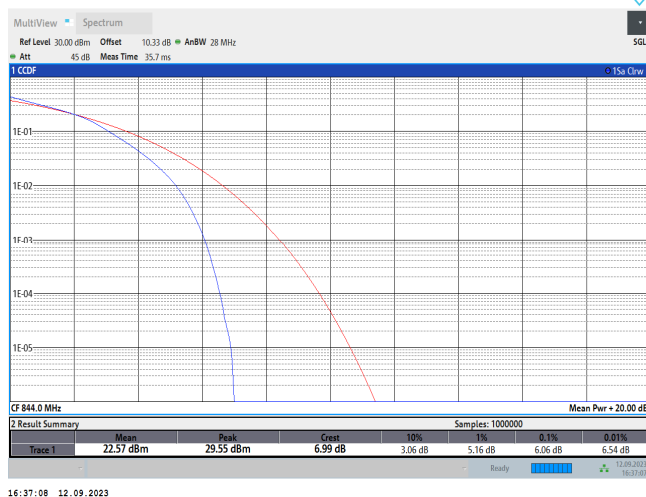
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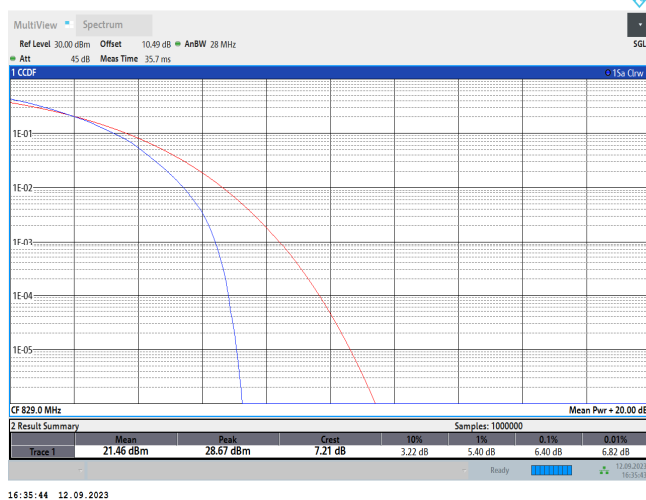
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Band5-10MHz-16QAM-20600-50RB#0



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



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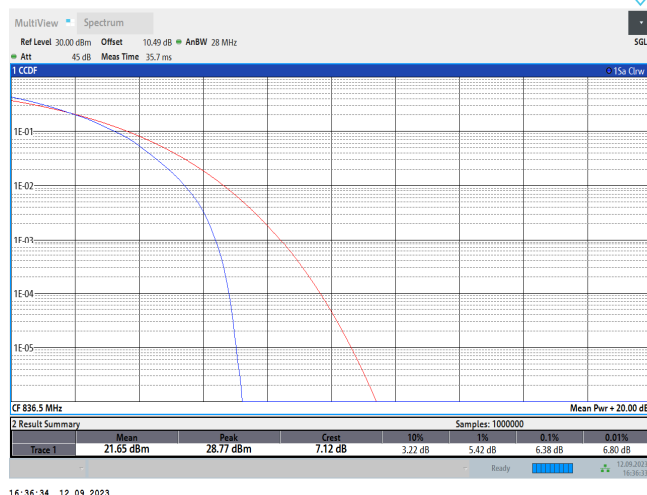
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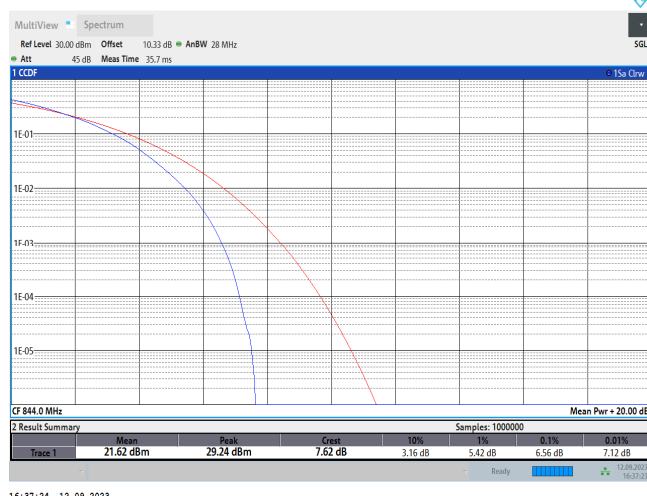
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Band5-10MHz-64QAM-20525-50RB#0



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	1.085	1.27	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.085	1.27	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.085	1.28	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.095	1.31	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.095	1.30	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.095	1.31	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.096	1.30	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.095	1.30	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.095	1.30	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.685	2.90	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.684	2.90	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.684	2.89	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.678	2.90	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.677	2.92	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.68	2.91	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.683	2.89	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.678	2.89	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.681	2.89	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.468	4.82	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.47	4.81	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.468	4.81	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.461	4.86	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.466	4.86	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.468	4.85	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.477	4.86	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.478	4.86	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.473	4.84	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.914	9.60	PASS



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Band5	10MHz	QPSK	20525	50RB#0	8.941	9.54	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.932	9.58	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.916	9.58	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.92	9.56	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.919	9.60	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.923	9.60	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.938	9.60	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.932	9.54	PASS



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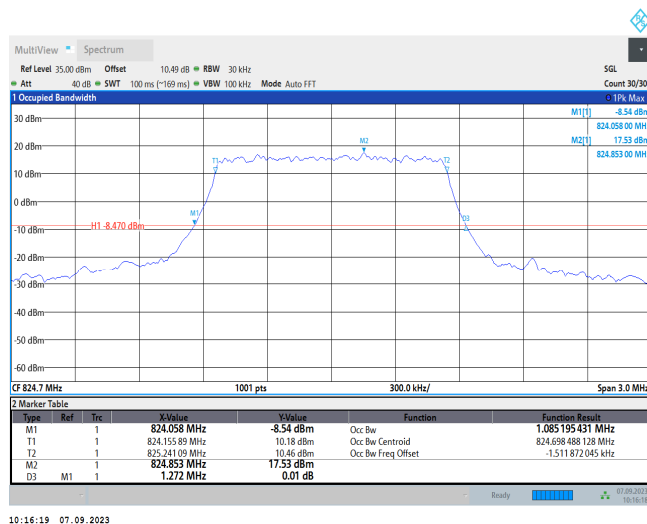
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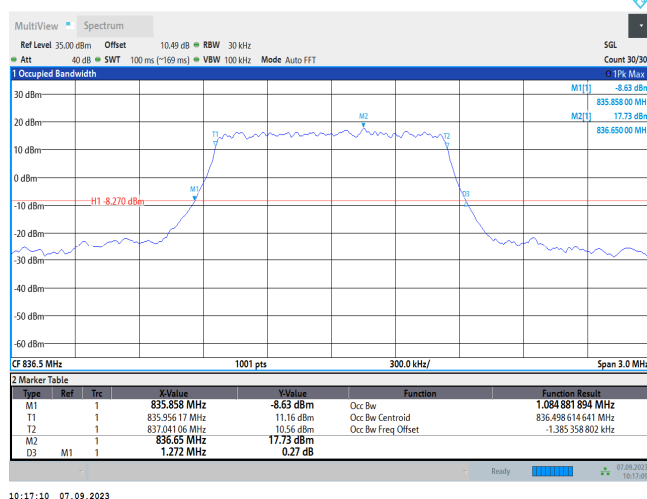
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Test Graphs

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



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

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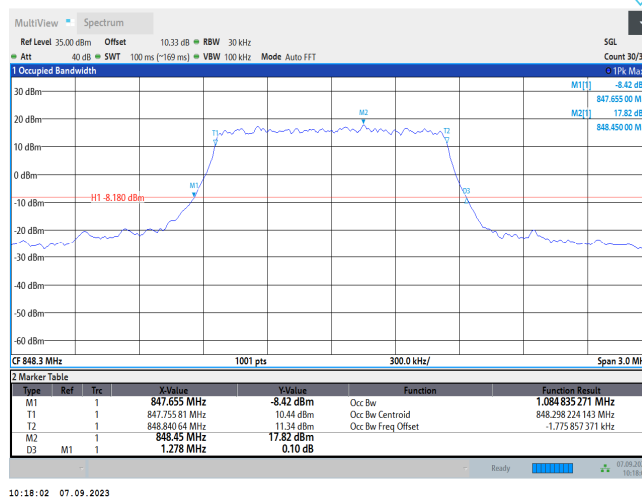
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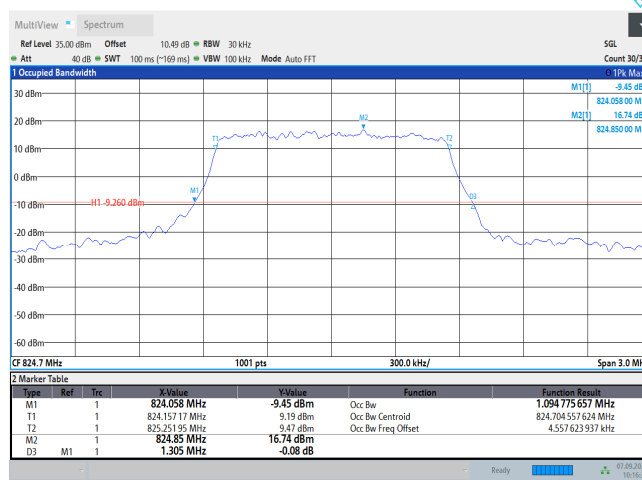
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Band5-1.4MHz-QPSK-20643-6RB#0



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



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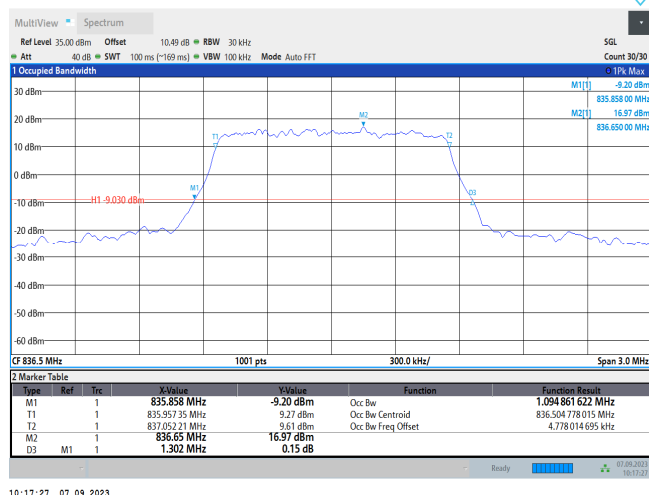
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Band5-1.4MHz-16QAM-20525-6RB#0



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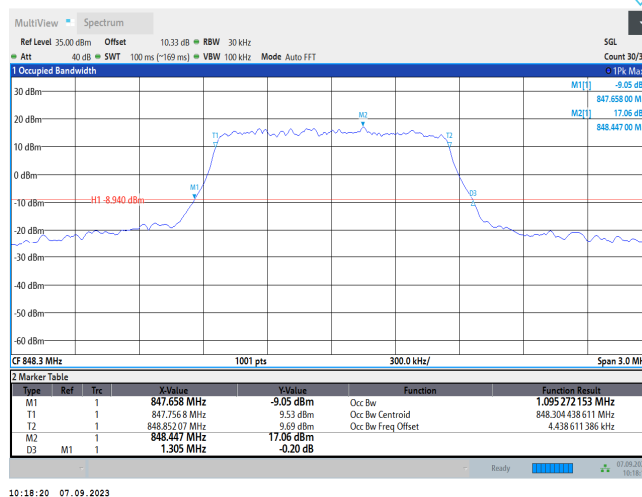
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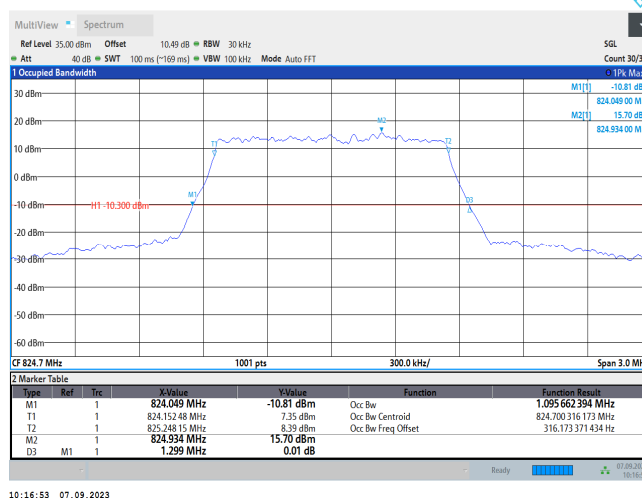
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Band5-1.4MHz-64QAM-20407-6RB#0



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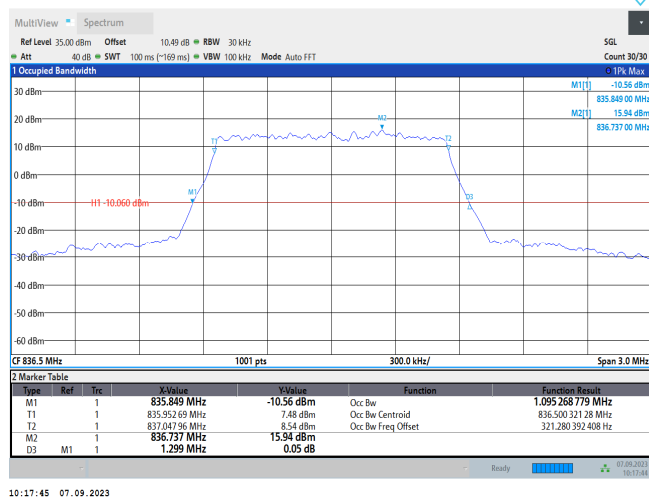


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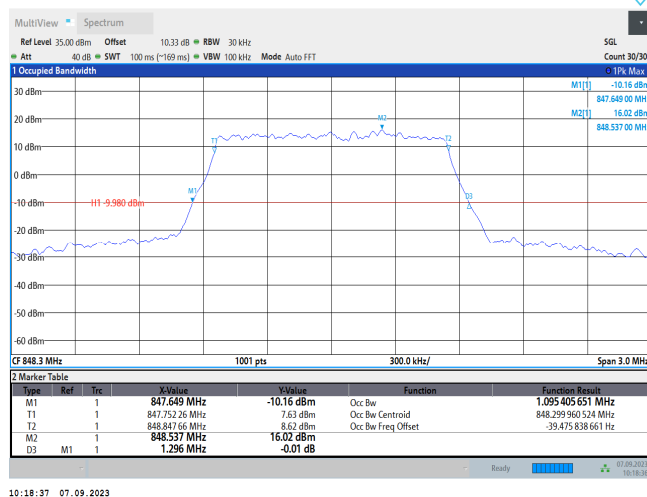
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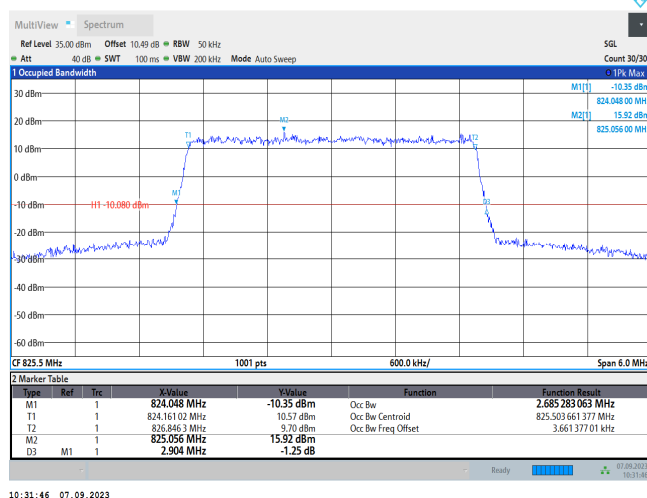
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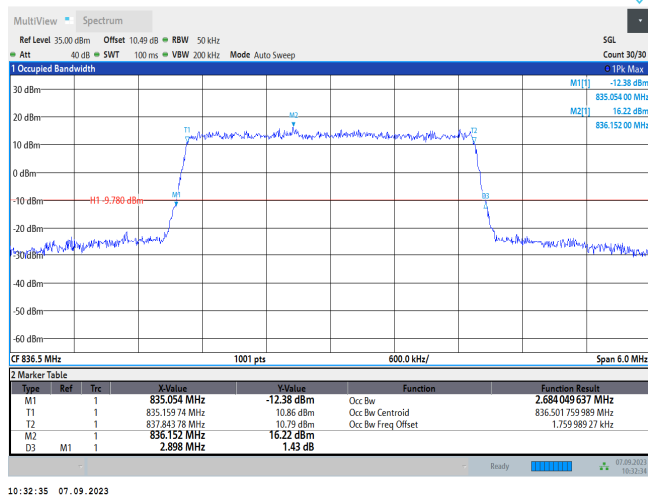


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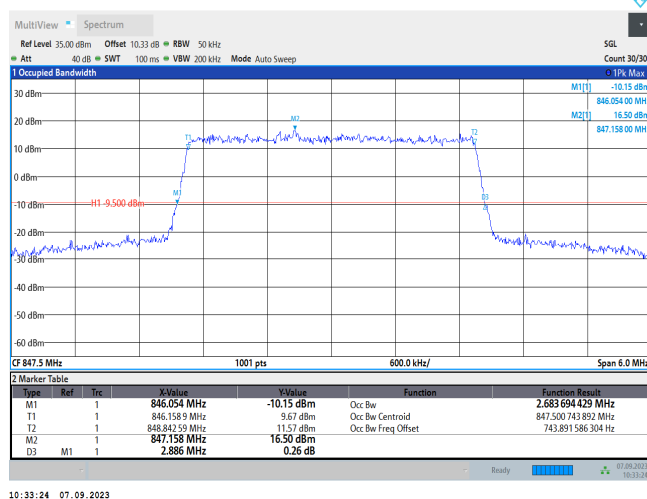
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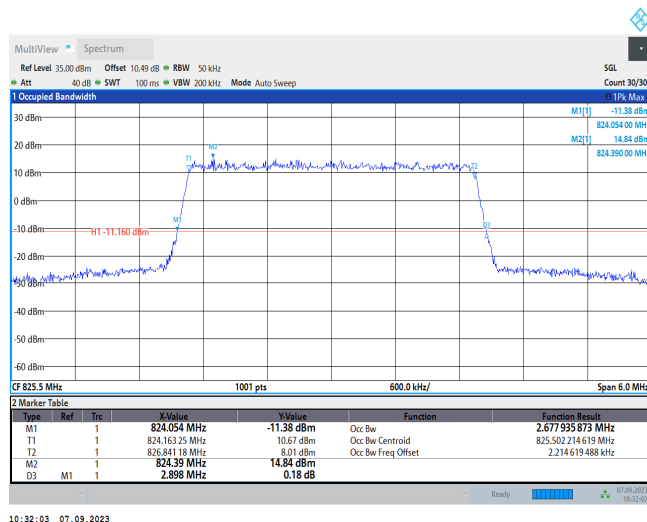
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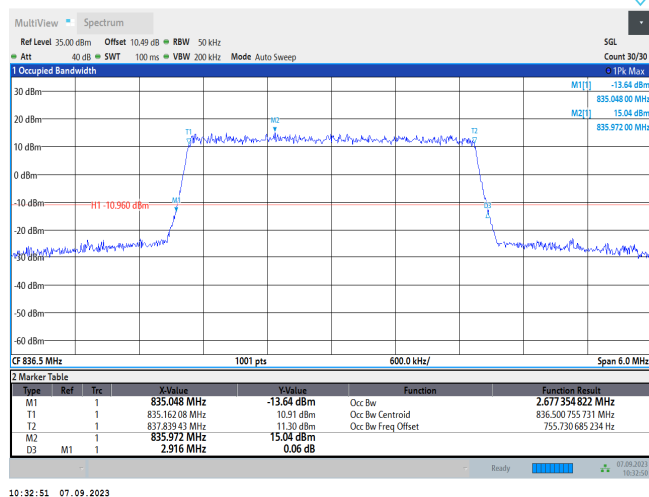
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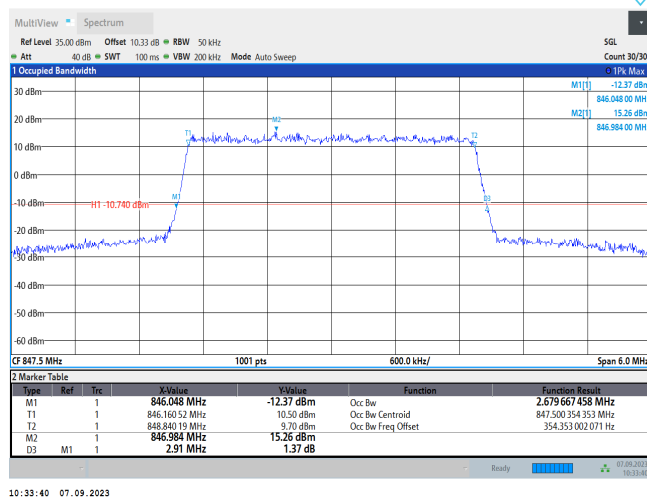
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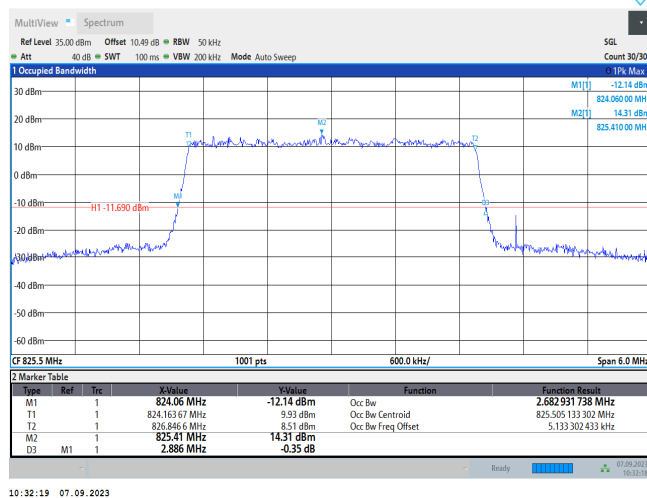
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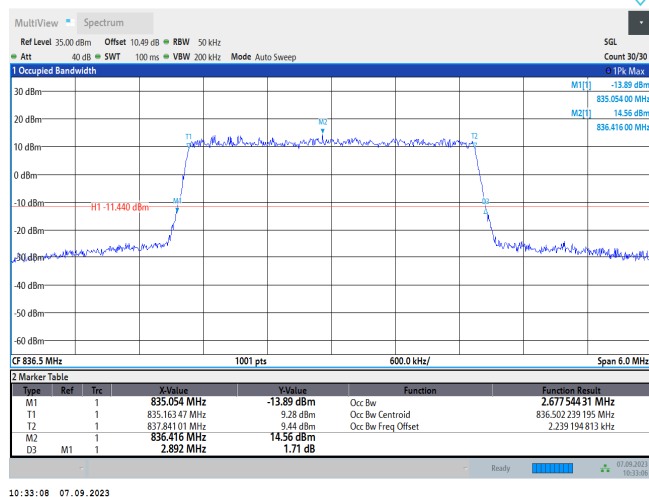
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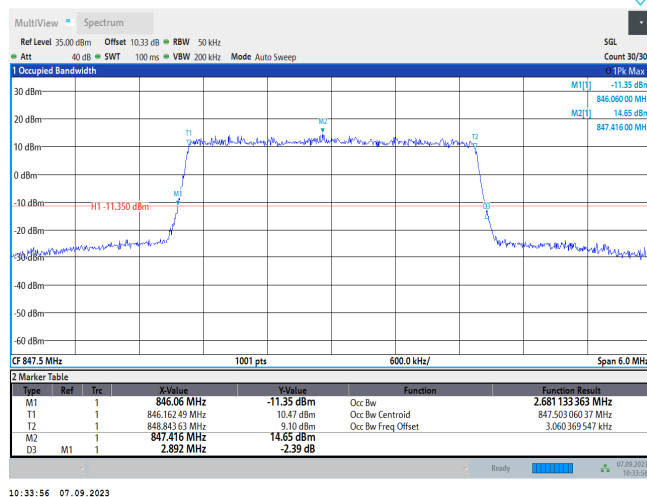
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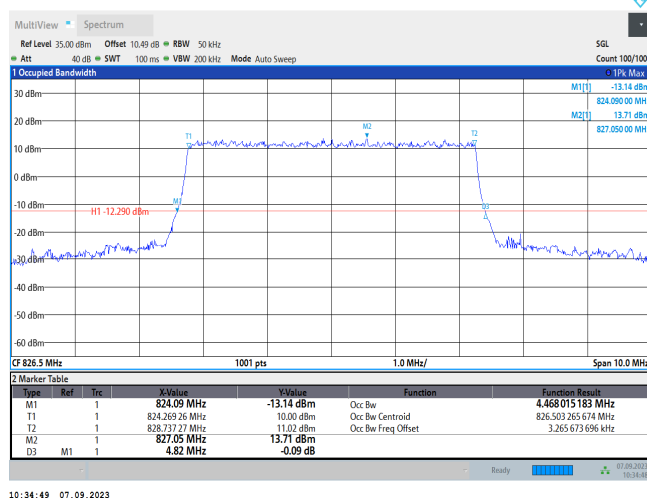
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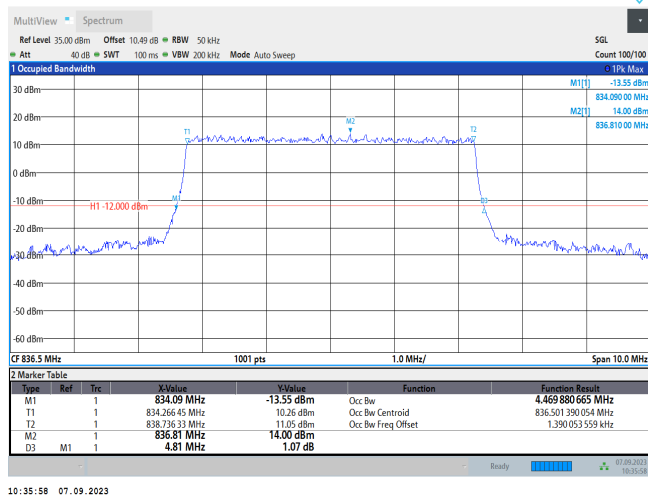


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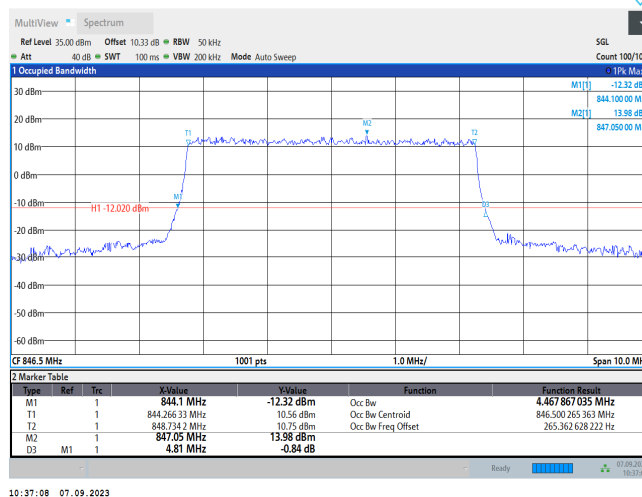
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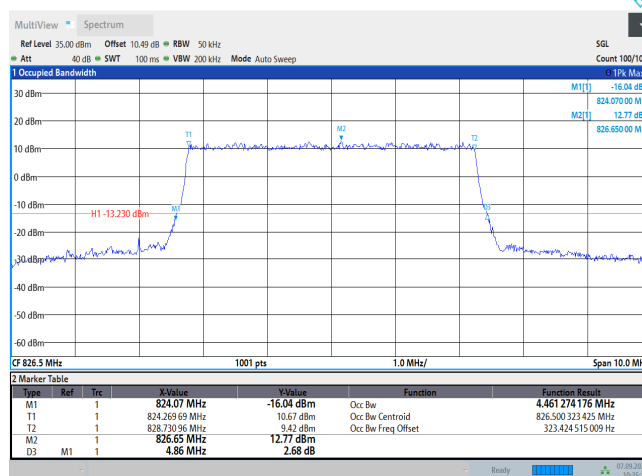
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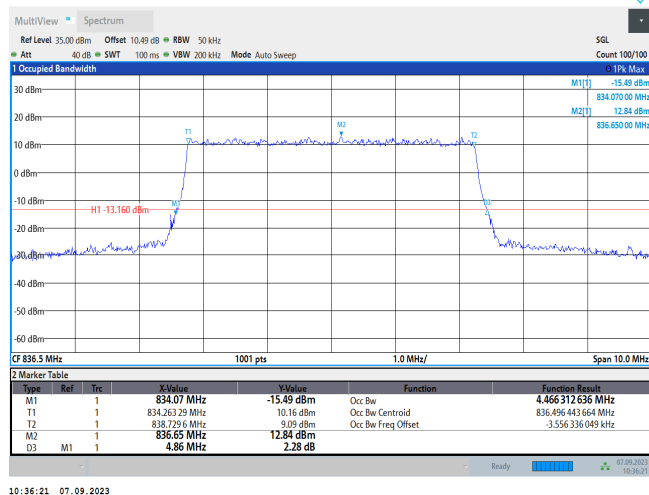


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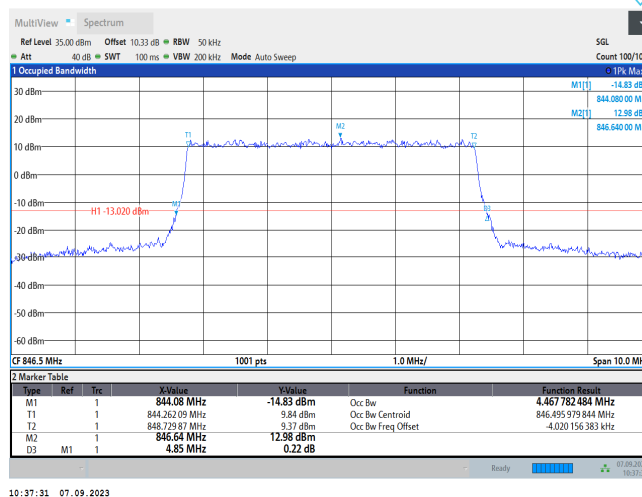
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Report No.: XEWM2309000447RG01

Rev.: 01

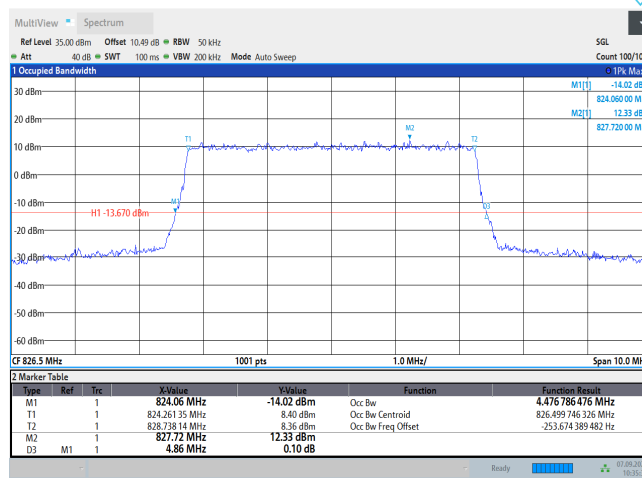
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Band5-5MHz-16QAM-20625-25RB#0



10:37:31 07.09.2023

Band5-5MHz-64QAM-20425-25RB#0



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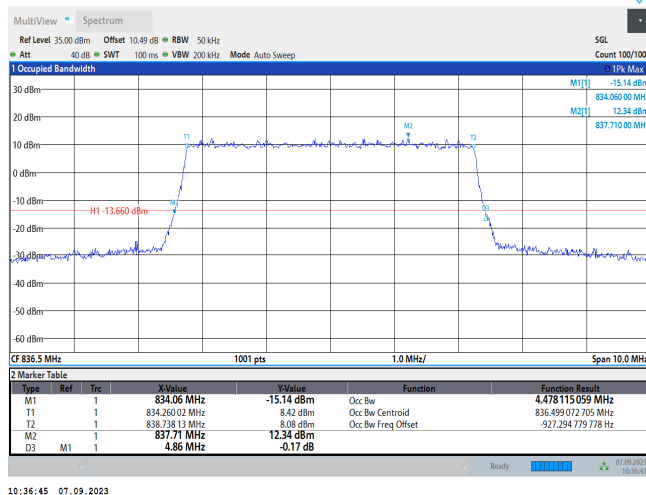


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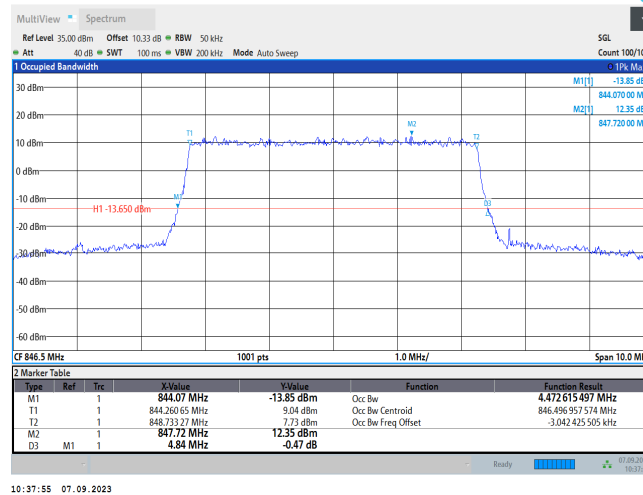
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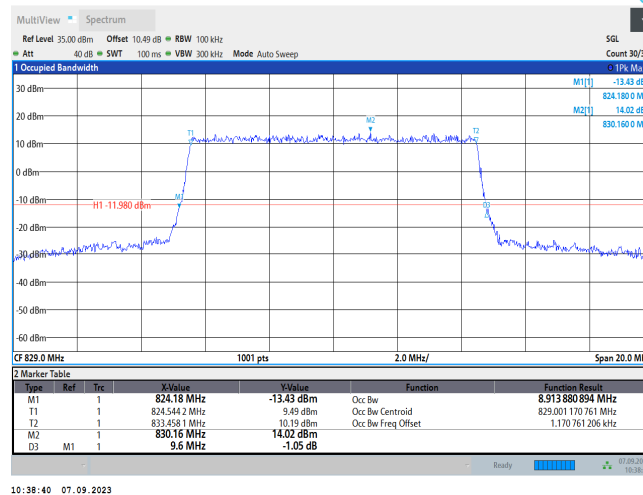
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Band5-10MHz-QPSK-20450-50RB#0

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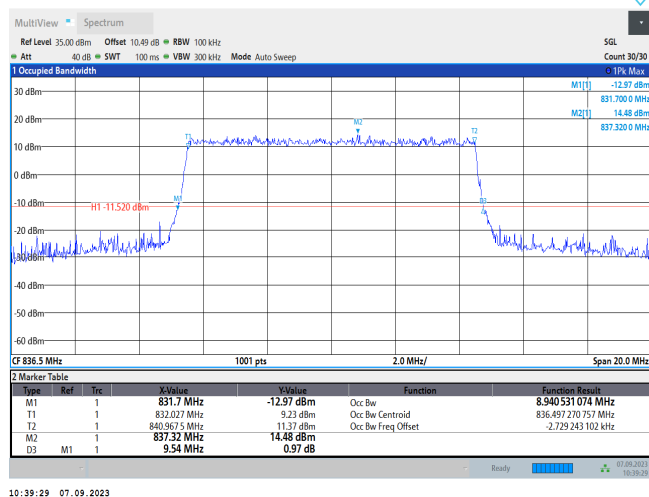


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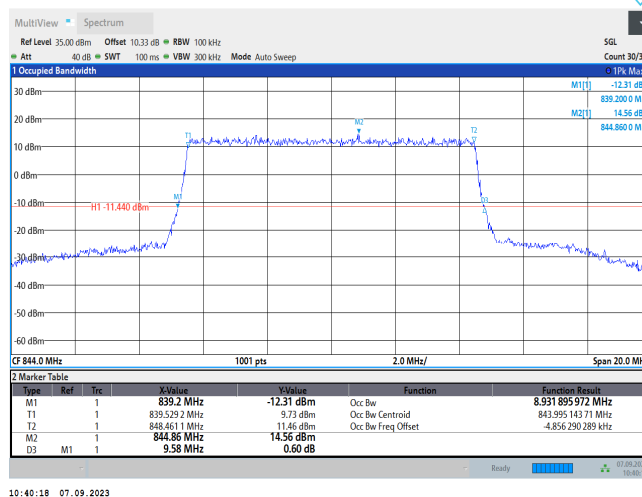
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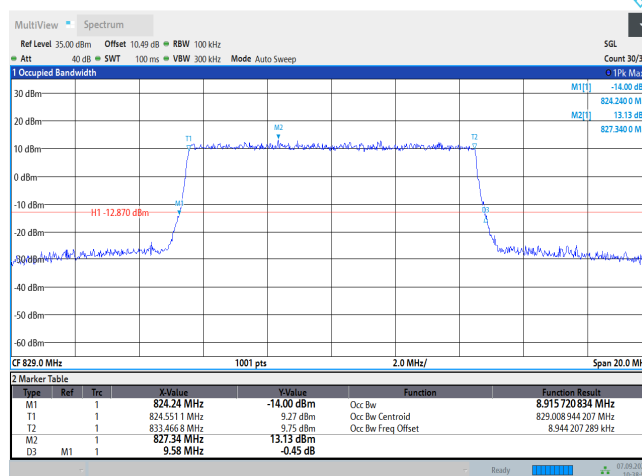
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Band5-10MHz-16QAM-20450-50RB#0



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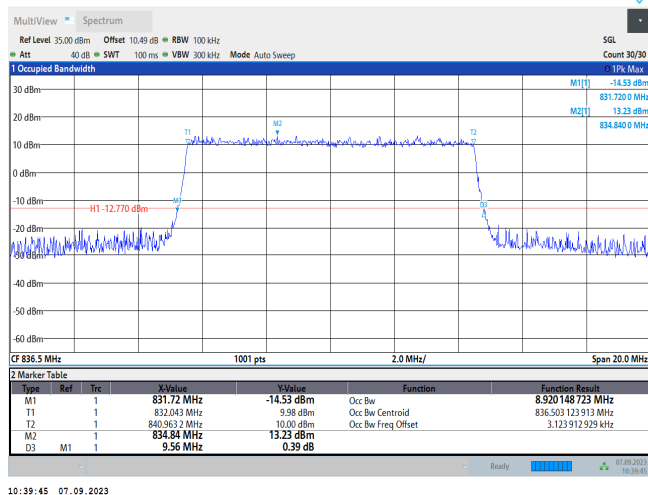


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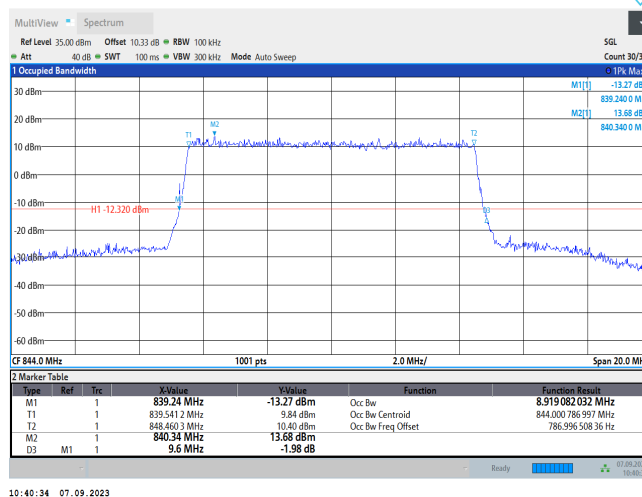


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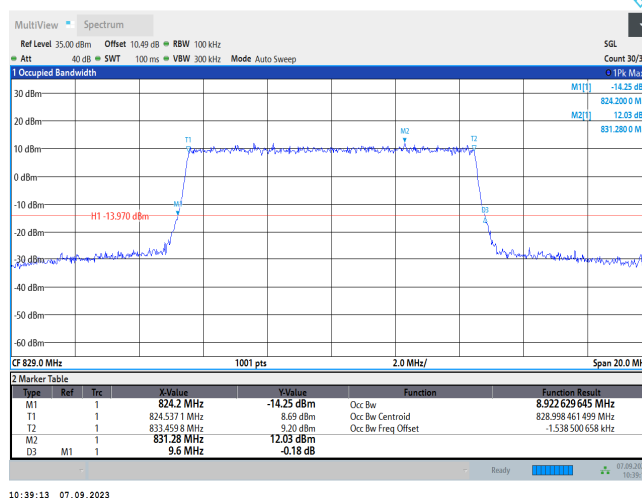
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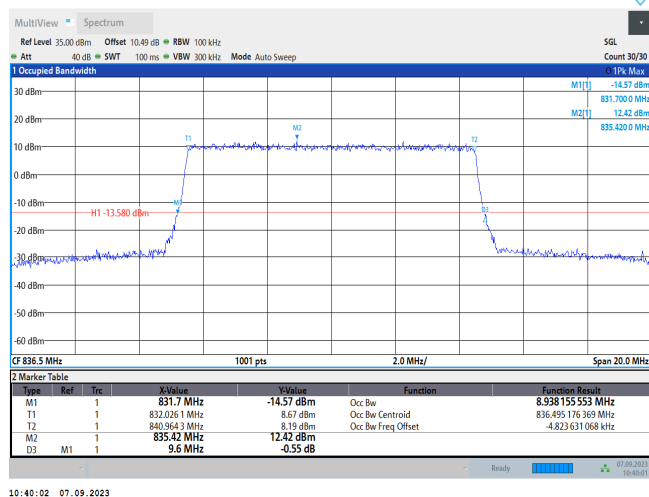
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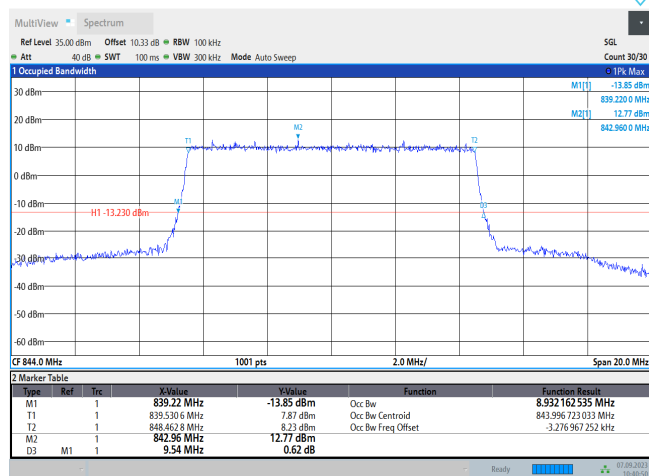
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Band5-10MHz-64QAM-20600-50RB#0



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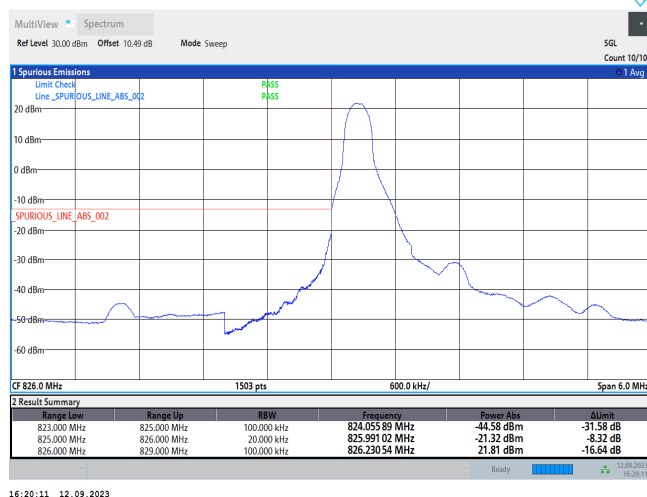
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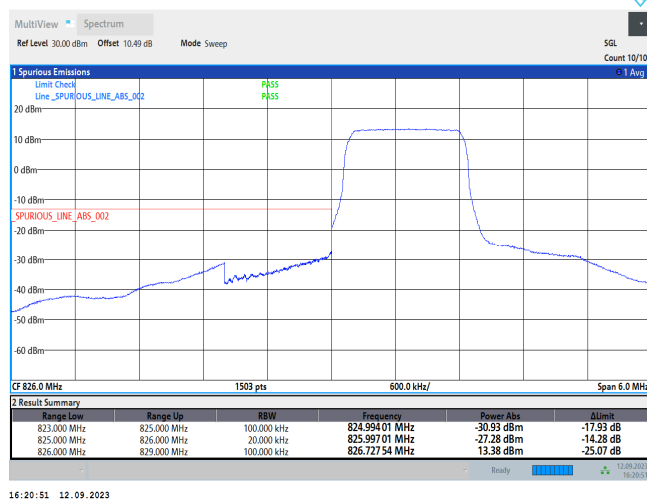
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Test Graphs

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



Band5-1.4MHz-QPSK-20427-6RB#0



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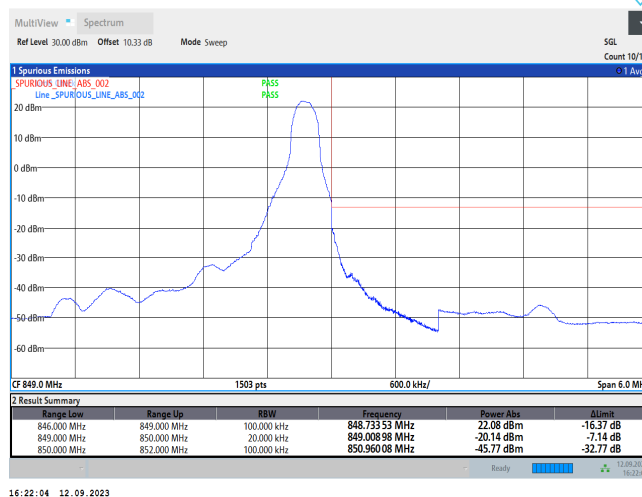
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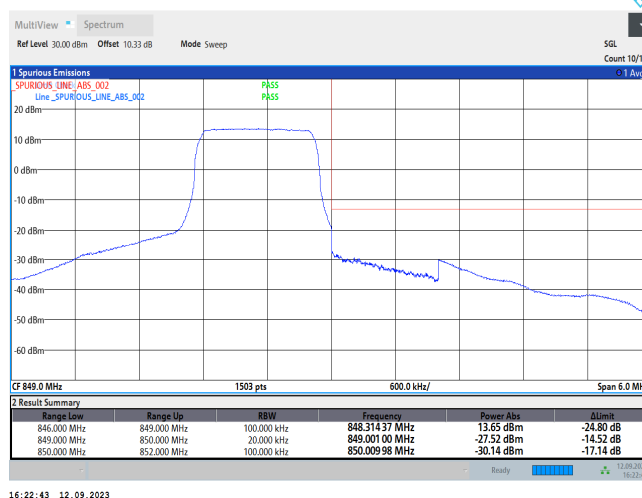
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Band5-1.4MHz-QPSK-20643-6RB#0



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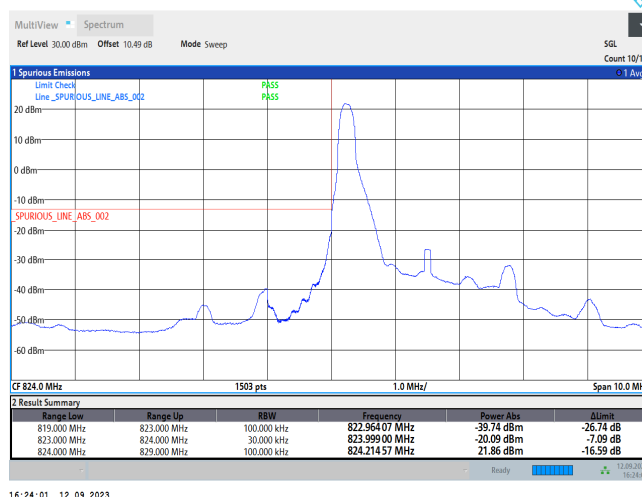
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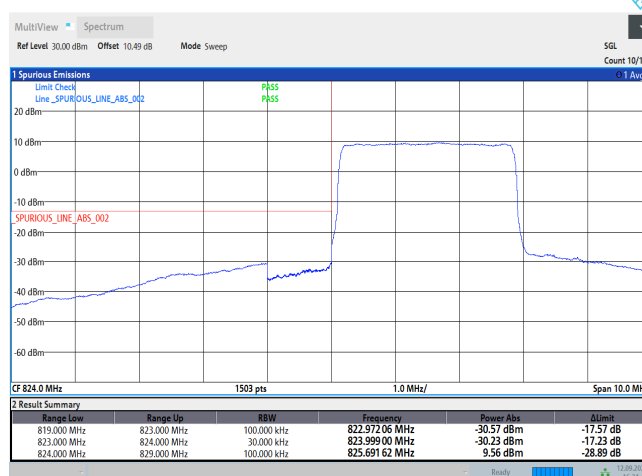
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Band5-3MHz-QPSK-20415-15RB#0



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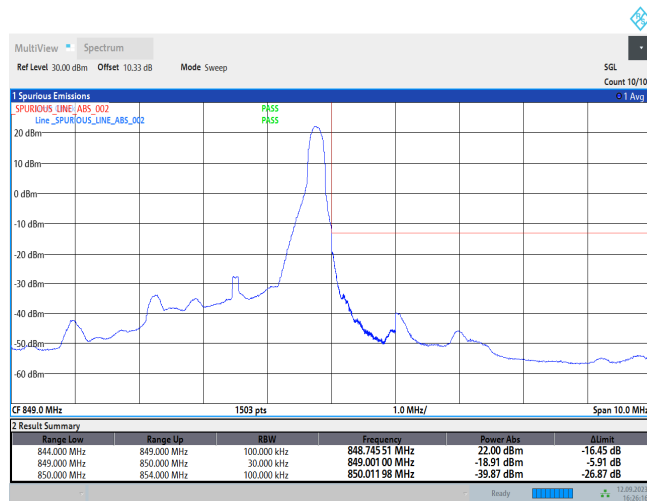
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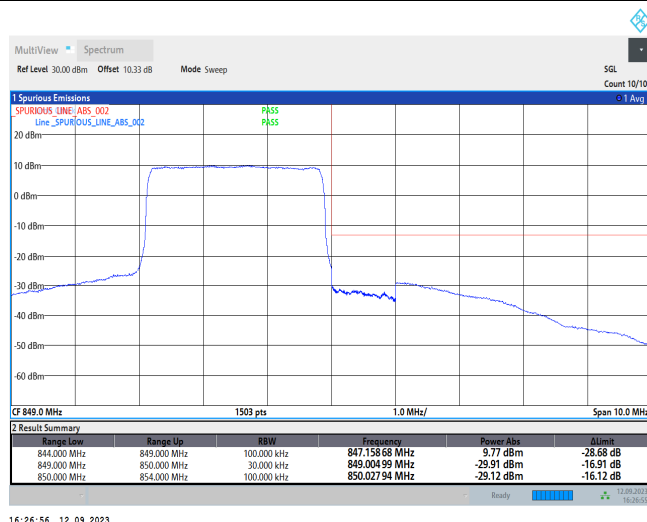
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Band5-3MHz-QPSK-20635-15RB#0

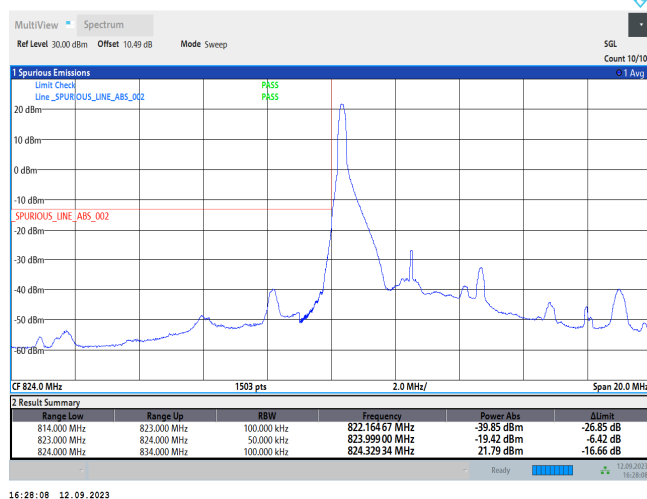


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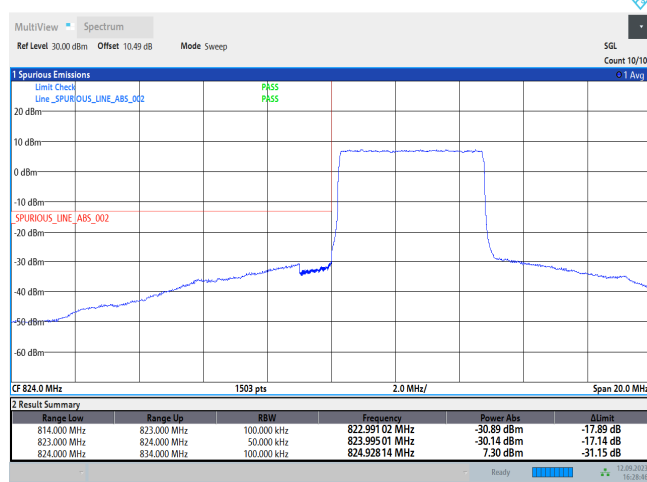
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Band5-5MHz-QPSK-20425-1RB#0



16:28:08 12.09.2023

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



16:28:47 12.09.2023

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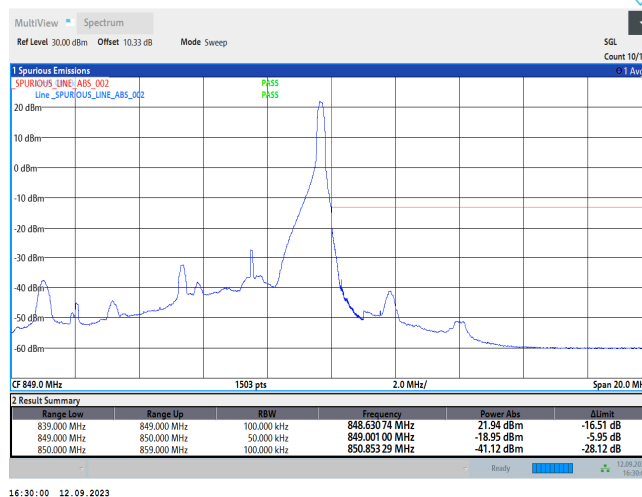
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Band5-5MHz-QPSK-20625-1RB#24



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

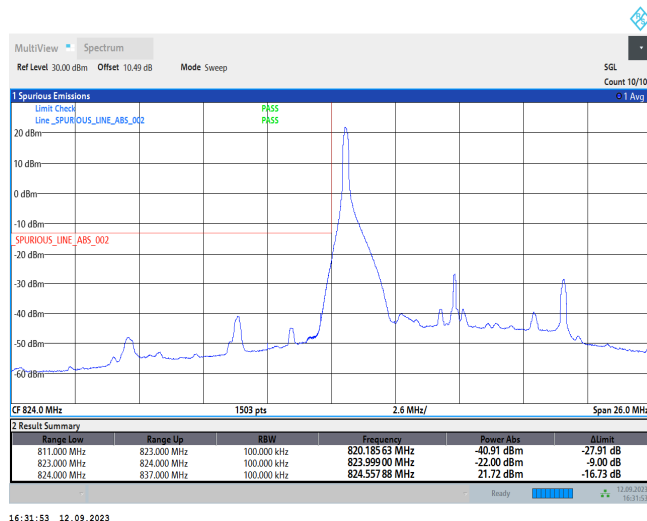


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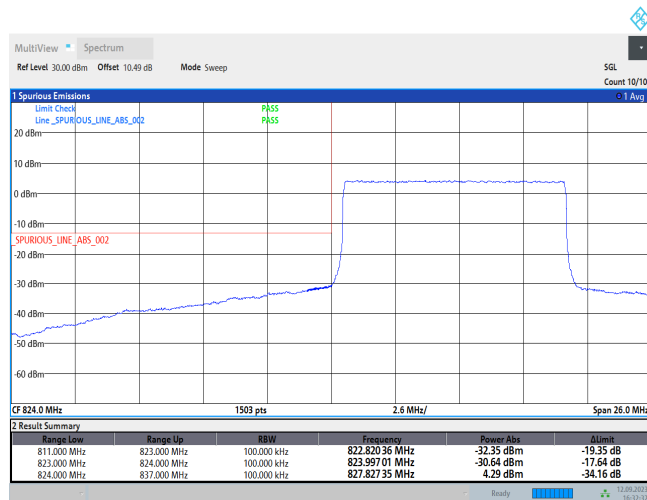
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Band5-10MHz-QPSK-20450-1RB#0



16:31:53 12.09.2023

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



16:32:53 12.09.2023



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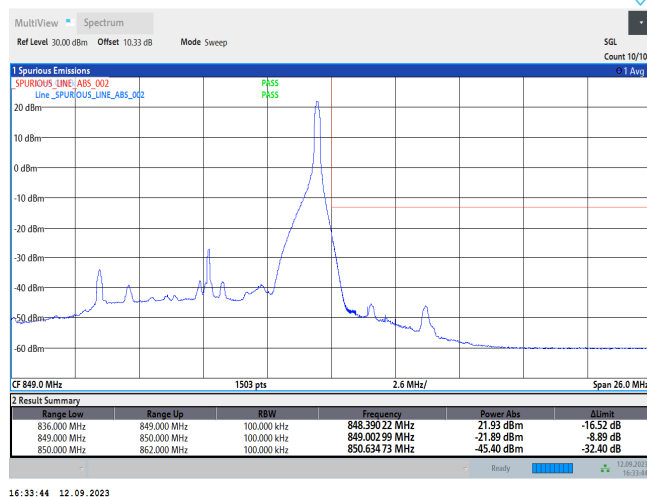
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Band5-10MHz-QPSK-20600-1RB#49



16:33:44 12.09.2023

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



16:34:24 12.09.2023



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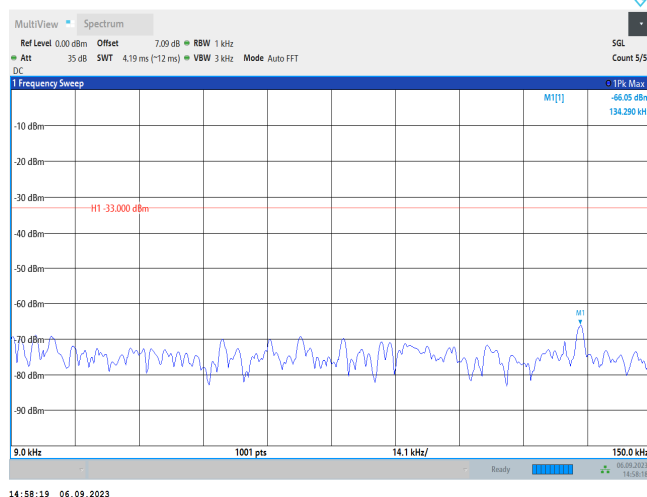
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Conducted Spurious Emission

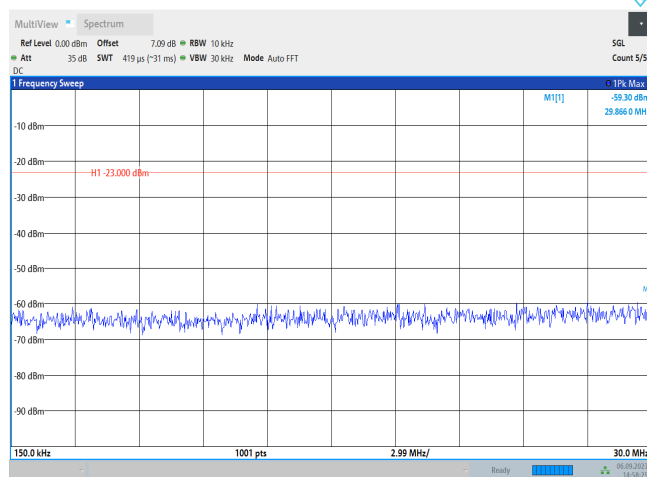
Test Graphs

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



14:58:19 06.09.2023

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



14:58:26 06.09.2023



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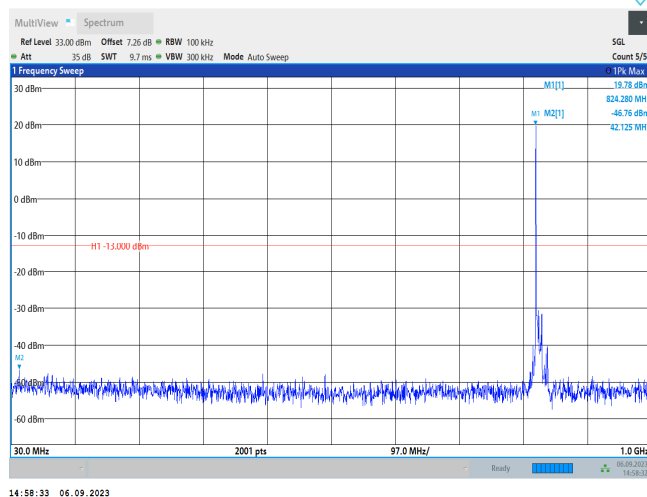
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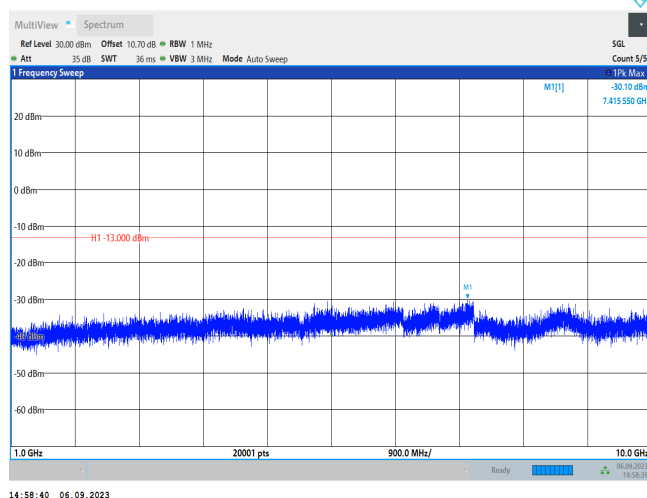
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Band5-10MHz-QPSK-20450-1RB#0-Range3:30~1000MHz



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



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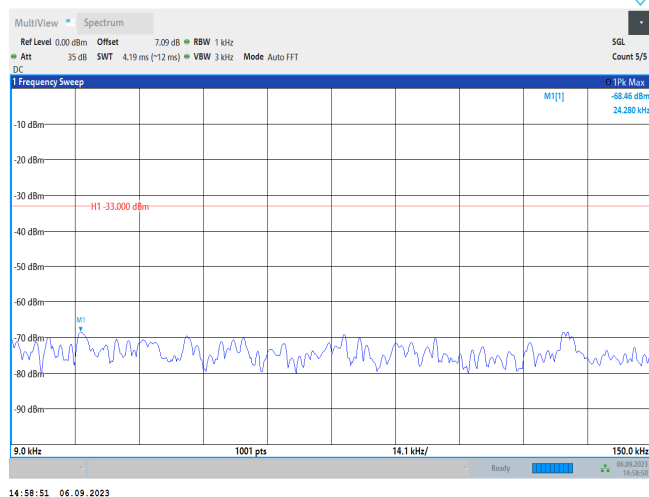


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Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



14:58:51 06.09.2023



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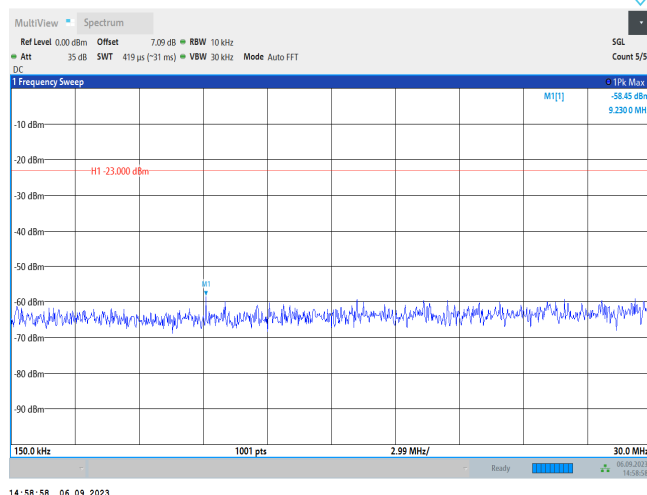


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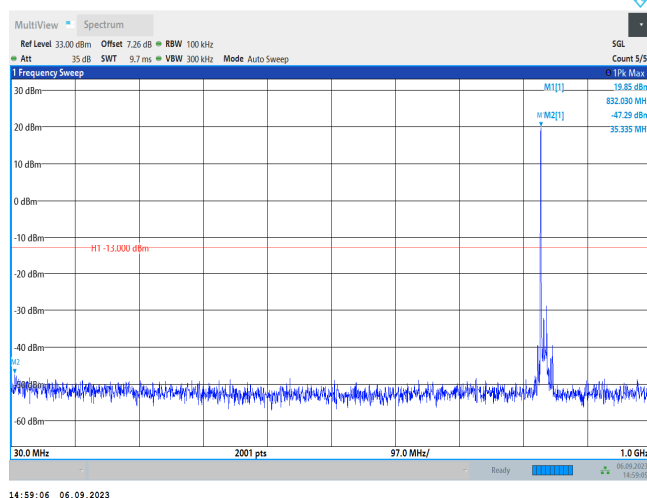
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Band5-10MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



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



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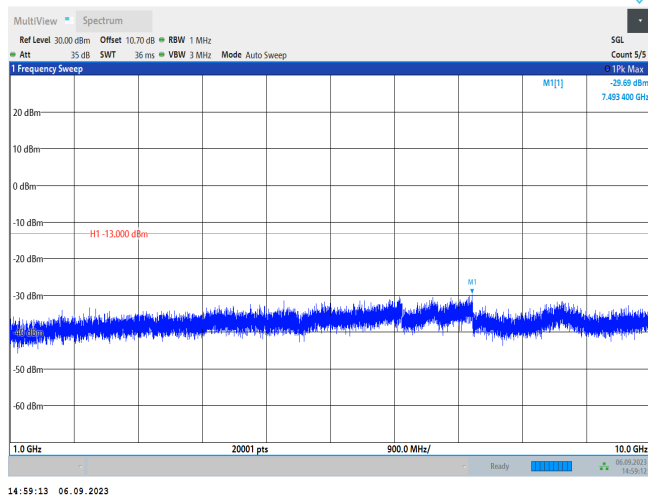
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Band5-10MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz



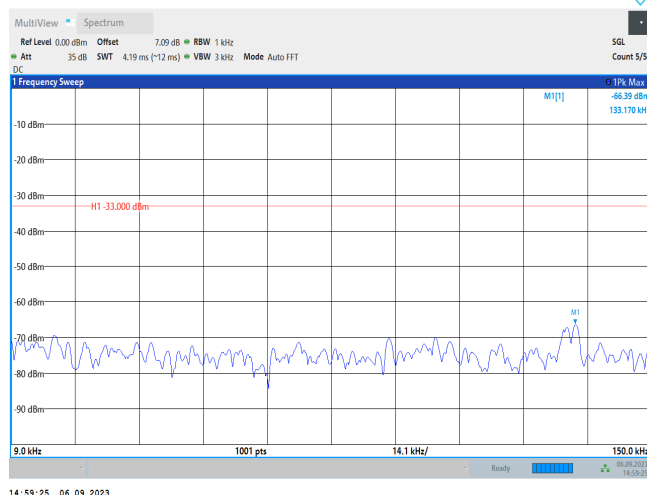
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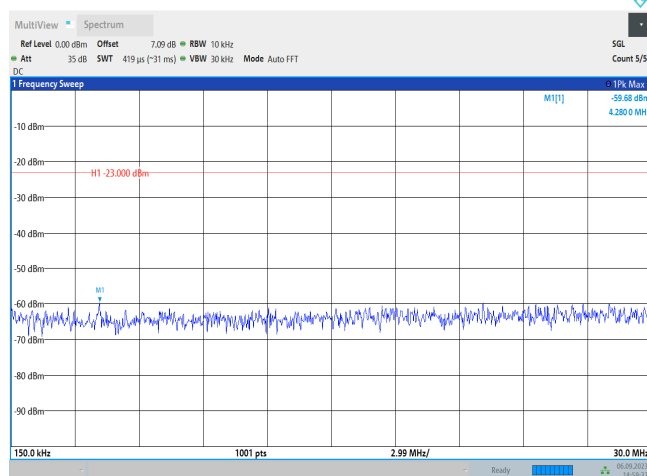
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Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



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



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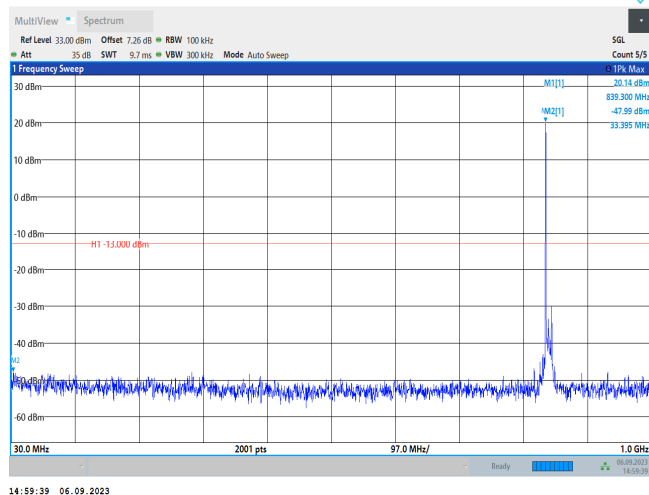
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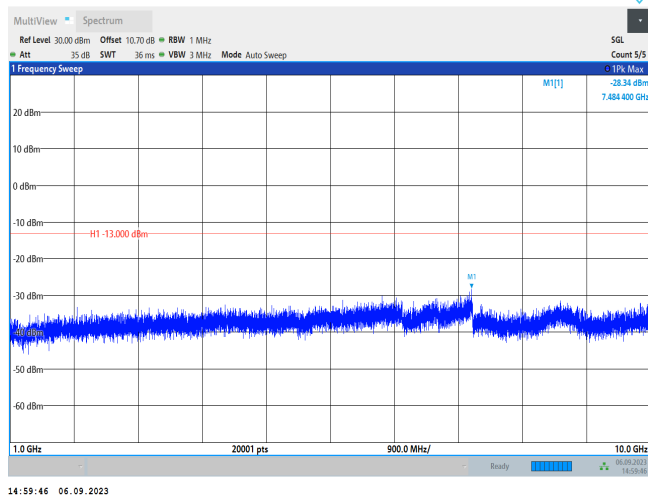
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Field Strength of Spurious Radiation

Test Band = LTE_5_10MHz

Test Channel = LCH

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649	53.40	-47.52	25.49	-63.89	-13.00	50.89	Horizontal
2	2474	63.66	-46.67	27.70	-50.57	-13.00	37.57	Horizontal
3	3720.5	46.76	-44.62	29.42	-63.70	-13.00	50.70	Horizontal
4	5176	45.10	-42.54	31.85	-60.85	-13.00	47.85	Horizontal
5	7417	43.12	-38.36	36.73	-53.77	-13.00	40.77	Horizontal
6	9907	41.33	-35.32	38.61	-50.64	-13.00	37.64	Horizontal

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649	51.95	-47.52	25.49	-65.34	-13.00	52.34	Vertical
2	2474	63.02	-46.67	27.70	-51.21	-13.00	38.21	Vertical
3	3710.5	46.86	-44.55	29.36	-63.59	-13.00	50.59	Vertical
4	5172	45.18	-42.54	31.84	-60.78	-13.00	47.78	Vertical
5	7401	43.60	-38.35	36.70	-53.31	-13.00	40.31	Vertical
6	9946	41.47	-35.47	38.65	-50.61	-13.00	37.61	Vertical

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Test Band = LTE_5_10MHz
Test Channel = MCH

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664	55.25	-47.49	25.39	-62.11	-13.00	49.11	Horizontal
2	2496	65.94	-46.69	27.78	-48.23	-13.00	35.23	Horizontal
3	3700	46.67	-44.48	29.30	-63.77	-13.00	50.77	Horizontal
4	6049.5	44.31	-40.59	33.50	-58.04	-13.00	45.04	Horizontal
5	7422.5	43.35	-38.36	36.75	-53.52	-13.00	40.52	Horizontal
6	9884.5	41.16	-35.33	38.48	-50.95	-13.00	37.95	Horizontal

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664	57.52	-47.49	25.39	-59.84	-13.00	46.84	Vertical
2	2496	64.84	-46.69	27.78	-49.33	-13.00	36.33	Vertical
3	3688	46.78	-44.48	29.30	-63.66	-13.00	50.66	Vertical
4	5508.5	44.72	-41.98	32.37	-60.15	-13.00	47.15	Vertical
5	7498.5	43.47	-38.38	36.90	-53.27	-13.00	40.27	Vertical
6	9881.5	41.66	-35.33	38.45	-50.48	-13.00	37.48	Vertical



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Test Band = LTE_5_10MHz
Test Channel = HCH

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679	56.62	-47.47	25.27	-60.84	-13.00	47.84	Horizontal
2	2518.5	66.11	-46.59	27.80	-47.94	-13.00	34.94	Horizontal
3	3692	46.70	-44.48	29.30	-63.74	-13.00	50.74	Horizontal
4	5169	45.45	-42.55	31.84	-60.52	-13.00	47.52	Horizontal
5	7482.5	43.62	-38.37	36.87	-53.14	-13.00	40.14	Horizontal
6	9908	41.05	-35.32	38.61	-50.92	-13.00	37.92	Horizontal

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679	59.22	-47.47	25.27	-58.24	-13.00	45.24	Vertical
2	2518.5	65.23	-46.59	27.80	-48.82	-13.00	35.82	Vertical
3	3966	46.42	-44.11	29.87	-63.08	-13.00	50.08	Vertical
4	6044.5	44.31	-40.61	33.45	-58.11	-13.00	45.11	Vertical
5	7398	43.19	-38.36	36.69	-53.74	-13.00	40.74	Vertical
6	9884.5	41.27	-35.33	38.48	-50.84	-13.00	37.84	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	VL	NT	-7.42	-0.008870	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-3.75	-0.004483	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	3.53	0.004220	±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	-10.11	-0.012086	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-6.29	-0.007519	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-7.25	-0.008667	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-2.59	-0.003096	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-7.17	-0.008571	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-11.10	-0.013270	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-5.29	-0.006324	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-10.01	-0.011967	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-5.42	-0.006479	±2.5	PASS

---End of Attachment---



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