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Appendix B.4

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	24.29	25.14	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	24.38	25.23	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	24.26	25.11	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	24.32	25.17	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	24.25	25.1	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	24.32	25.17	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	24.25	25.1	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	24.31	25.16	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	24.31	25.16	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	24.2	25.05	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	24.33	25.18	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	24.24	25.09	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.24	24.09	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.31	24.16	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.21	24.06	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.11	22.96	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.16	24.01	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.25	24.1	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.15	24	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.12	22.97	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.05	23.9	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23	23.85	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.93	23.78	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.94	22.79	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	22.16	23.01	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	22.23	23.08	38.45	PASS



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Band5	1.4MHz	64QAM	20407	1RB#5	22.12	22.97	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	20.96	21.81	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	22.07	22.92	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	22.28	23.13	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	22.06	22.91	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	21.02	21.87	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	21.95	22.8	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	21.99	22.84	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	22	22.85	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20.82	21.67	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	24.34	25.19	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	24.37	25.22	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	24.29	25.14	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	24.37	25.22	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	24.33	25.18	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.31	25.16	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	24.27	25.12	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	24.23	25.08	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	24.2	25.05	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	24.2	25.05	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	24.21	25.06	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	24.26	25.11	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.32	24.17	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.36	24.21	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.35	24.2	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.1	22.95	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.19	24.04	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.22	24.07	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.26	24.11	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.1	22.95	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.07	23.92	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	23	23.85	38.45	PASS



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Band5	3MHz	16QAM	20635	1RB#14	23.11	23.96	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.01	22.86	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	22.16	23.01	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	22.17	23.02	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	22.17	23.02	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	21.11	21.96	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	22.3	23.15	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	22.13	22.98	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	22.11	22.96	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	21.12	21.97	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	22.1	22.95	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	22.01	22.86	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.97	22.82	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	20.97	21.82	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.32	25.17	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.34	25.19	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	24.32	25.17	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	24.37	25.22	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.39	25.24	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.28	25.13	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	24.28	25.13	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	24.37	25.22	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	24.25	25.1	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	24.2	25.05	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	24.33	25.18	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	24.26	25.11	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.22	24.07	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.23	24.08	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.21	24.06	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.09	22.94	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.28	24.13	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.26	24.11	38.45	PASS



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Band5	5MHz	16QAM	20525	25RB#0	22.08	22.93	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.2	24.05	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.12	23.97	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.09	23.94	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.96	22.81	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	22.22	23.07	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	22.25	23.1	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	22.16	23.01	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	21.1	21.95	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	22.3	23.15	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	22.16	23.01	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	22.17	23.02	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	21.09	21.94	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	22.19	23.04	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	22.07	22.92	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	22.01	22.86	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	20.95	21.8	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	24.34	25.19	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	24.32	25.17	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	24.37	25.22	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	24.29	25.14	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	24.38	25.23	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.35	25.2	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	24.24	25.09	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	24.22	25.07	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	24.37	25.22	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	24.24	25.09	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	24.38	25.23	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	24.22	25.07	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.36	24.21	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.36	24.21	38.45	PASS



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Band5	10MHz	16QAM	20450	50RB#0	22.19	23.04	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.4	24.25	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.3	24.15	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.04	23.89	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.12	22.97	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.04	23.89	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.21	24.06	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.02	23.87	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.93	22.78	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	22.25	23.1	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	22.16	23.01	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	22.19	23.04	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	21.18	22.03	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	22.29	23.14	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	22.16	23.01	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	22.1	22.95	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	21.14	21.99	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	22.08	22.93	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	22.06	22.91	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	22.03	22.88	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.9	21.75	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	5.52	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.08	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.16	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.24	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.84	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.04	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.64	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.30	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.46	13	PASS



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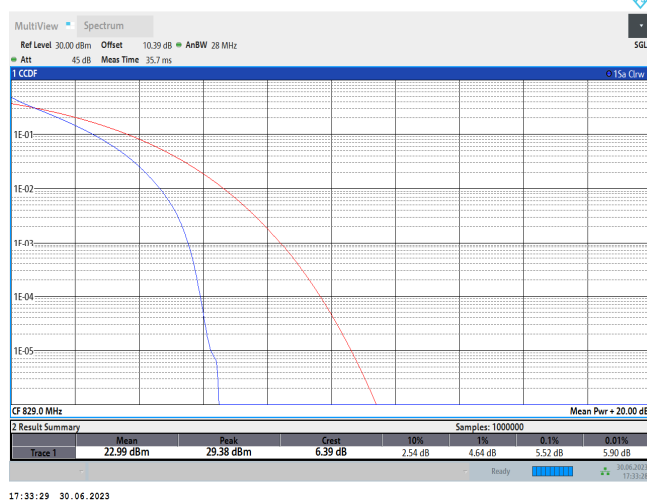
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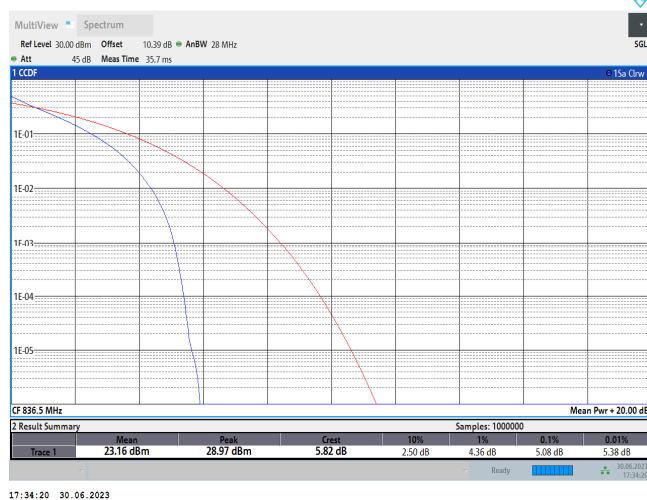
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Test Graphs

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



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

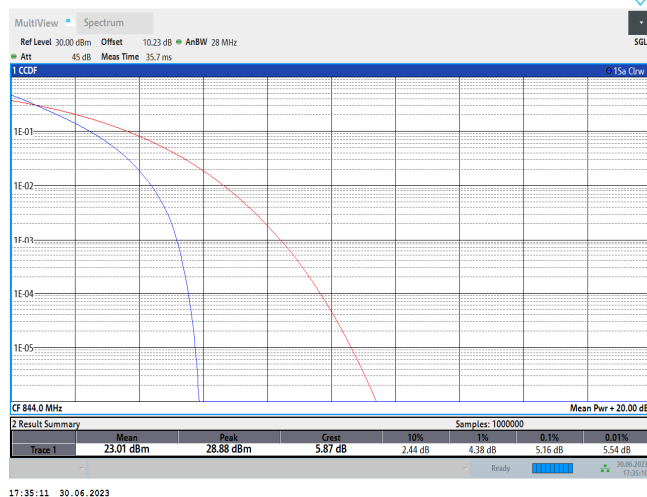


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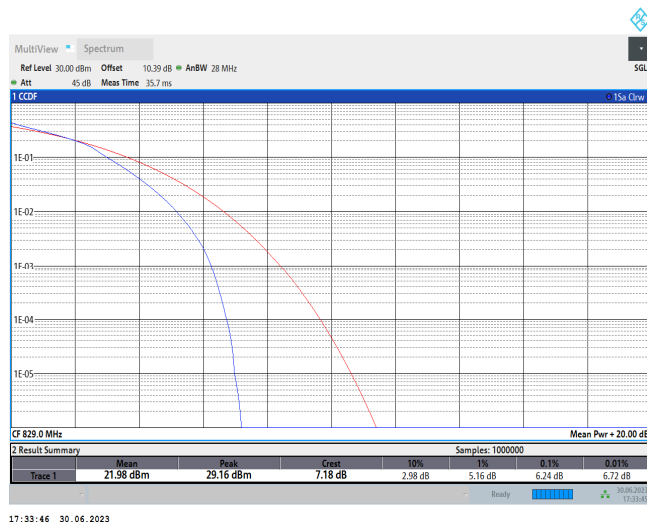
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Band5-10MHz-QPSK-20600-50RB#0



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

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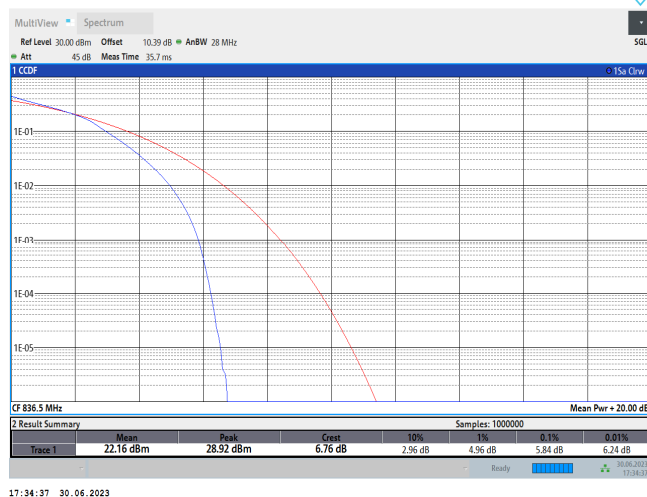
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Band5-10MHz-16QAM-20525-50RB#0



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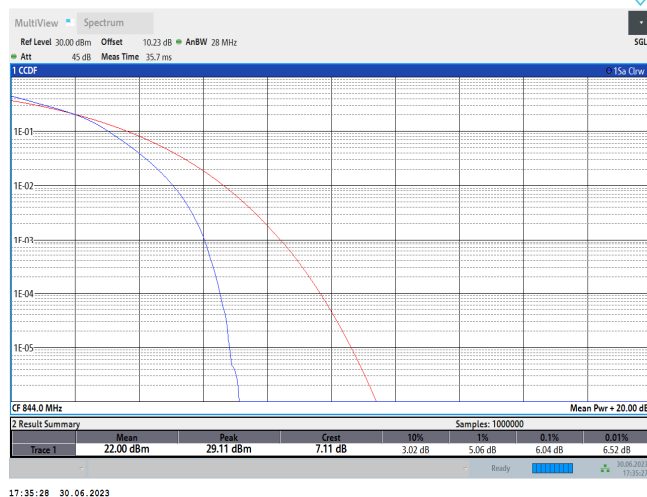
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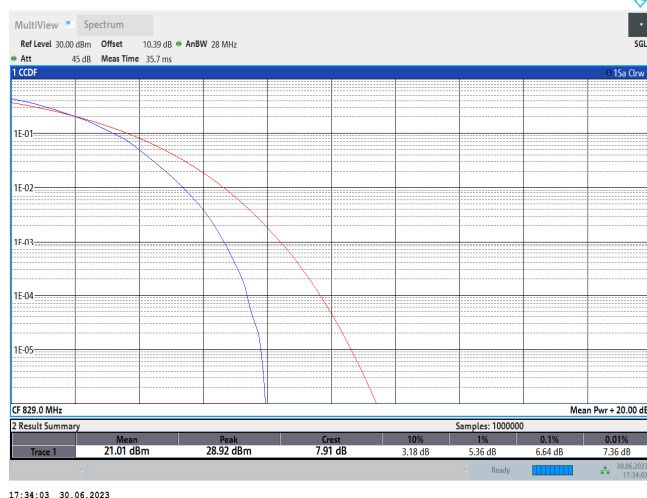
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Band5-10MHz-16QAM-20600-50RB#0



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



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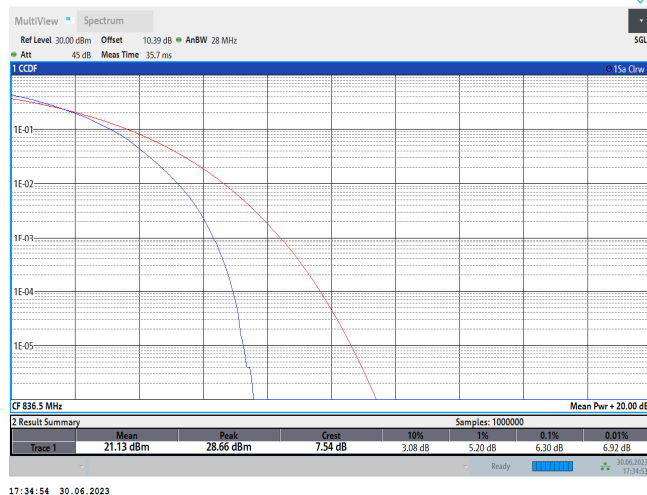
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Band5-10MHz-64QAM-20525-50RB#0



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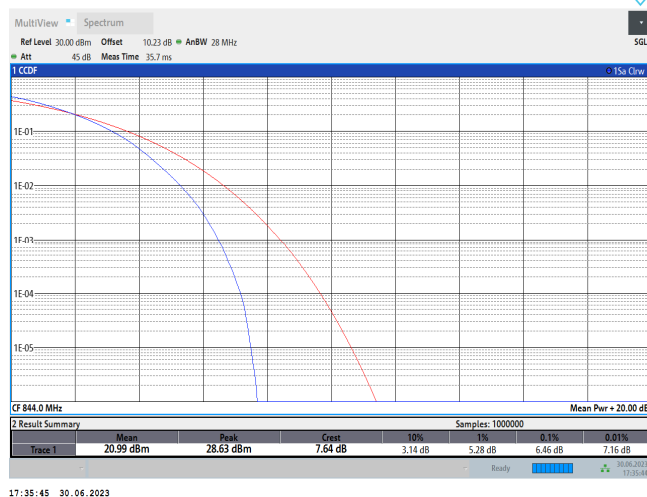
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Band5-10MHz-64QAM-20600-50RB#0



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band5	10MHz	QPSK	20525	50RB#0	PASS	PASS
Band5	10MHz	16QAM	20525	50RB#0	PASS	PASS
Band5	10MHz	64QAM	20525	50RB#0	PASS	PASS



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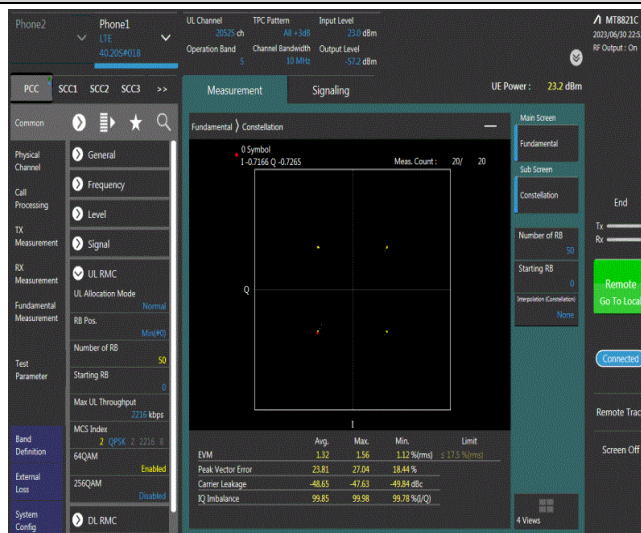
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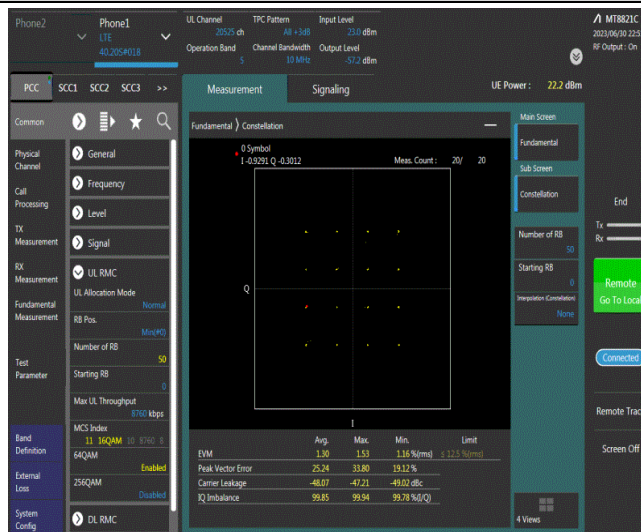
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Test Graphs

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



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



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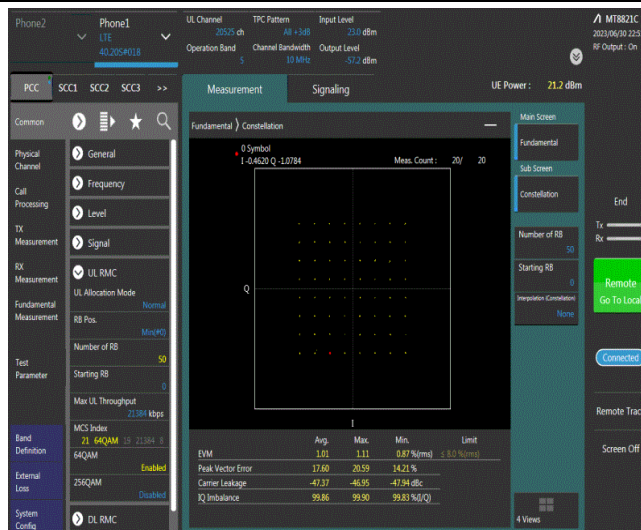
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Band5-10MHz-64QAM-20525-50RB#0



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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	1.23	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.085	1.23	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.084	1.23	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.091	1.24	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.092	1.24	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.091	1.24	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.09	1.24	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.09	1.24	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.09	1.24	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.694	2.98	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.696	2.98	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.695	2.99	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.691	2.99	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.688	2.99	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.688	2.99	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.685	2.97	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.687	2.96	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.687	2.97	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.475	4.91	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.471	4.89	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.47	4.87	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.473	4.91	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.472	4.92	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.468	4.92	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.483	4.91	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.483	4.89	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.479	4.91	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.94	9.58	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.923	9.66	PASS



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Band5	10MHz	QPSK	20600	50RB#0	8.929	9.66	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.92	9.64	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.909	9.64	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.911	9.62	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.934	9.72	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.926	9.66	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.92	9.66	PASS



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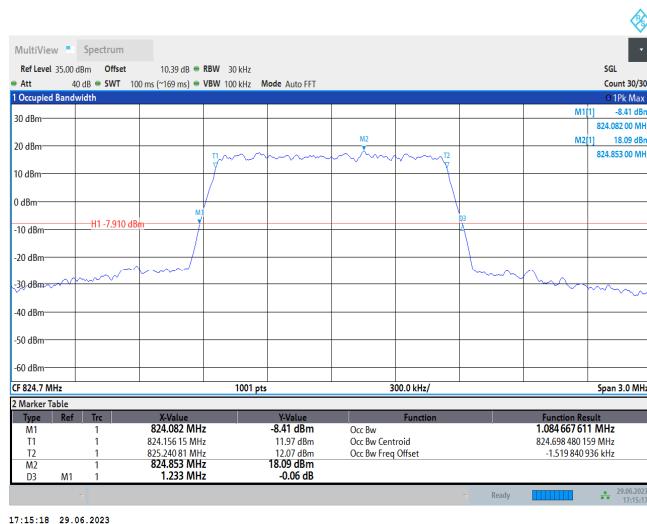
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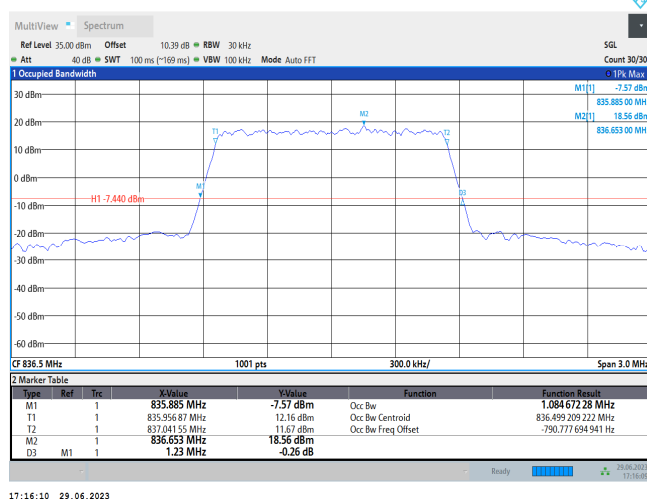
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Test Graphs

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



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



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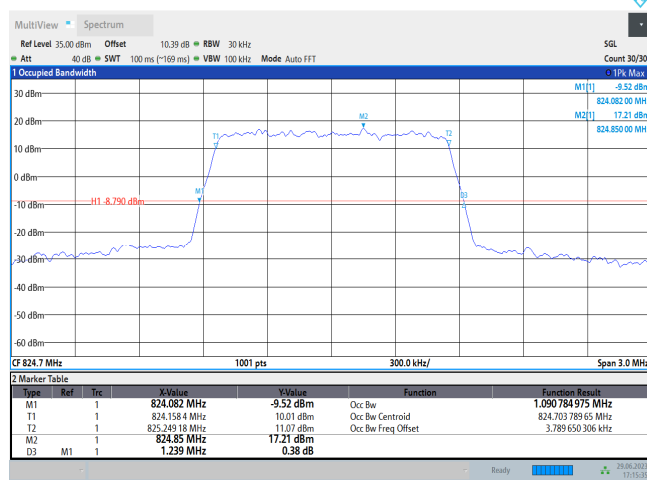
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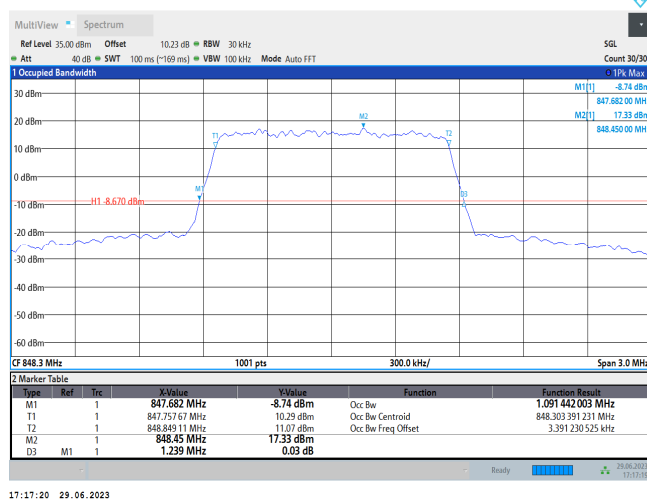
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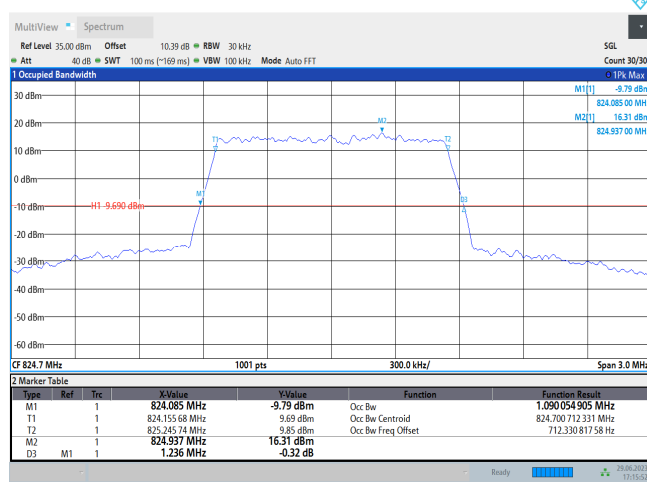
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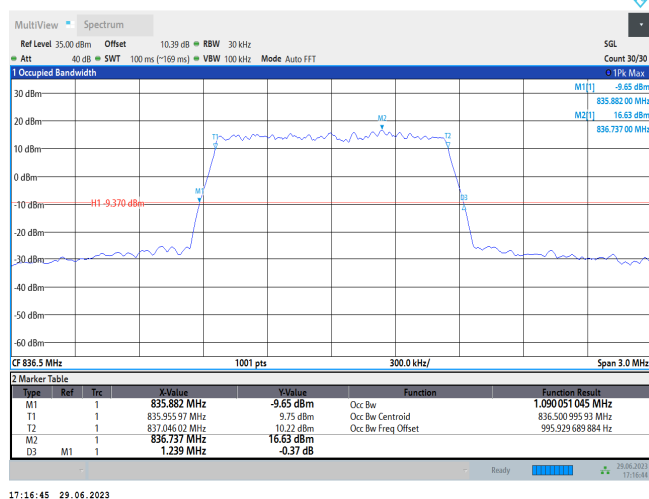
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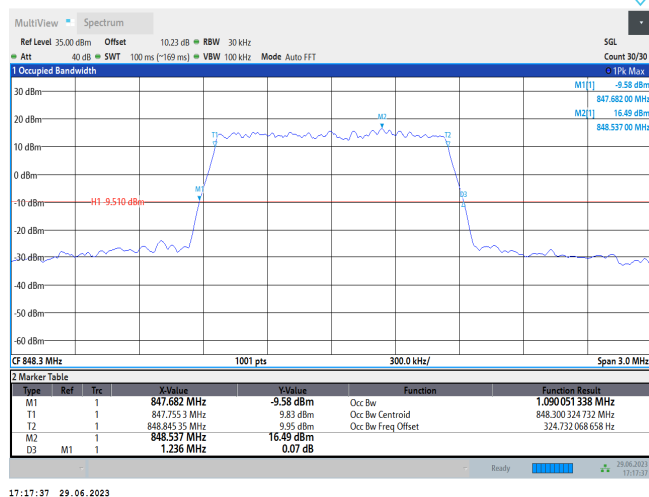
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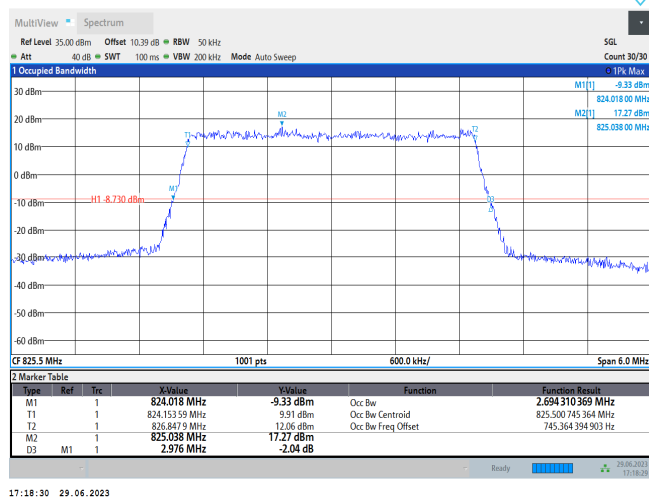
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Band5-3MHz-QPSK-20415-15RB#0



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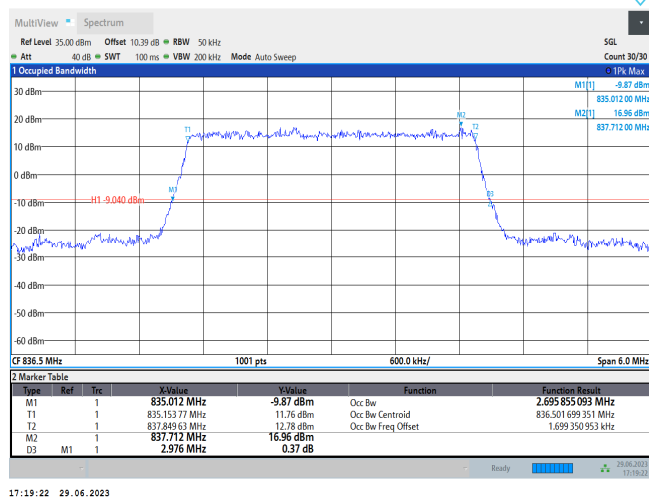
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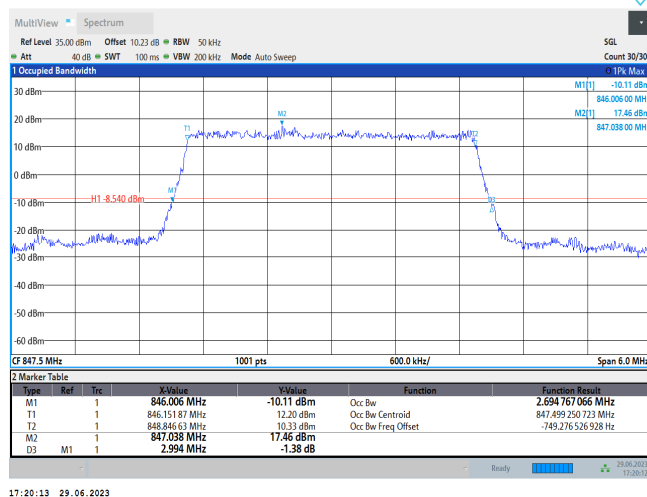
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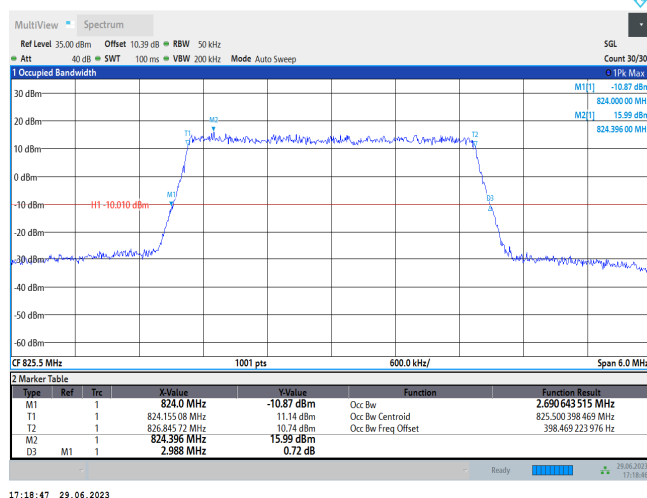
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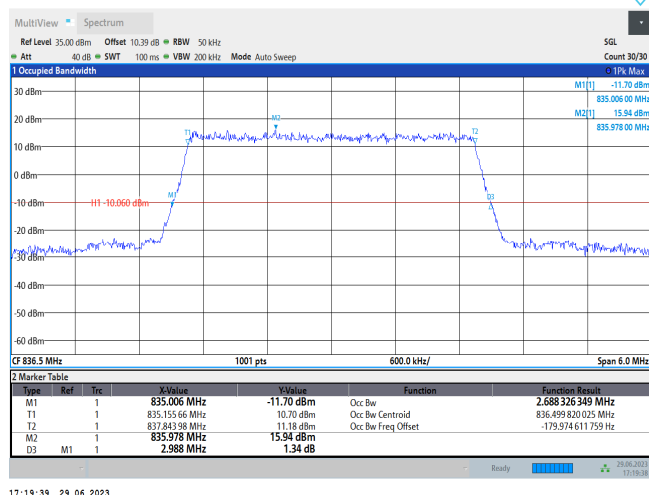
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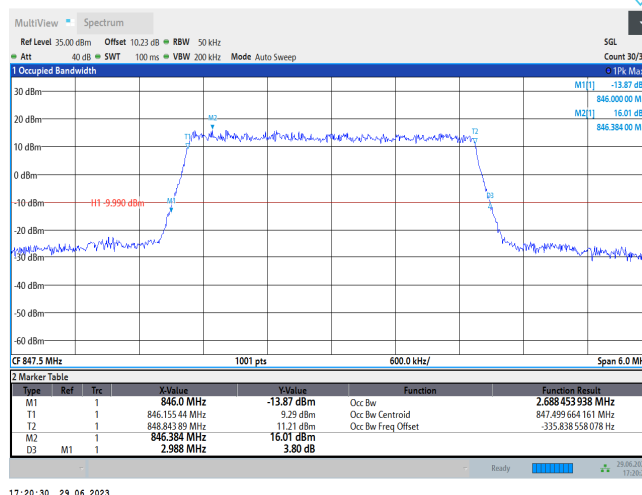
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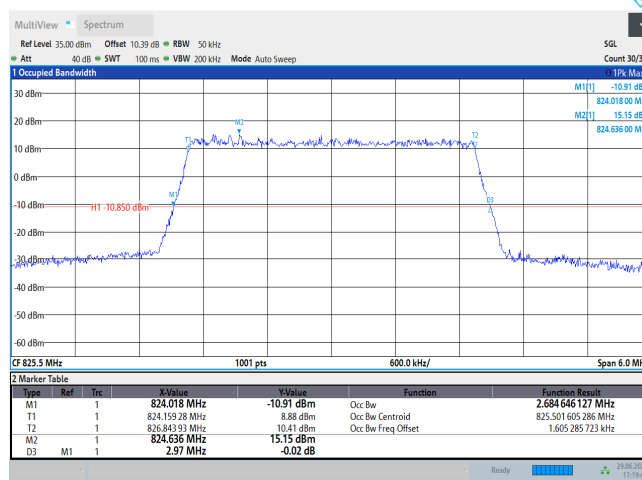
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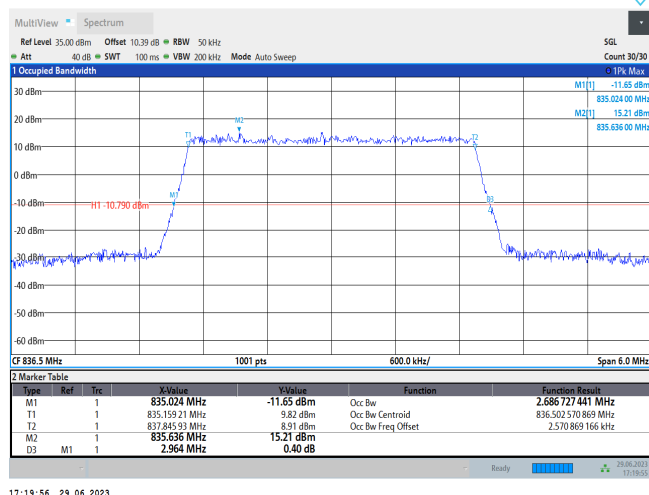
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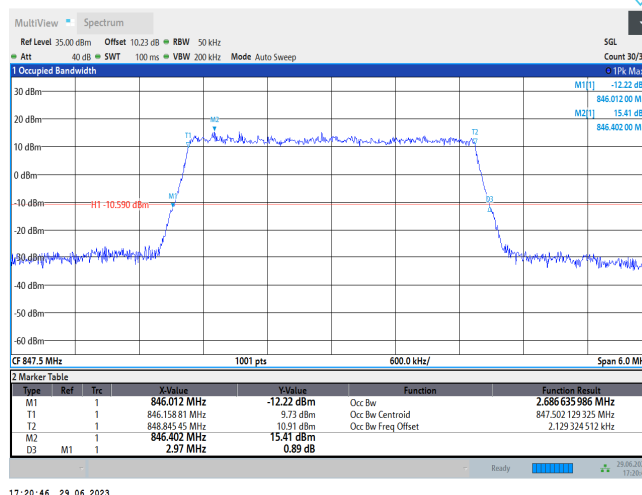
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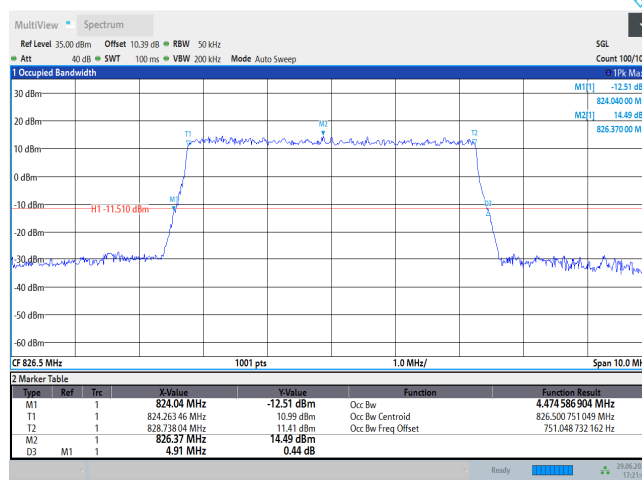
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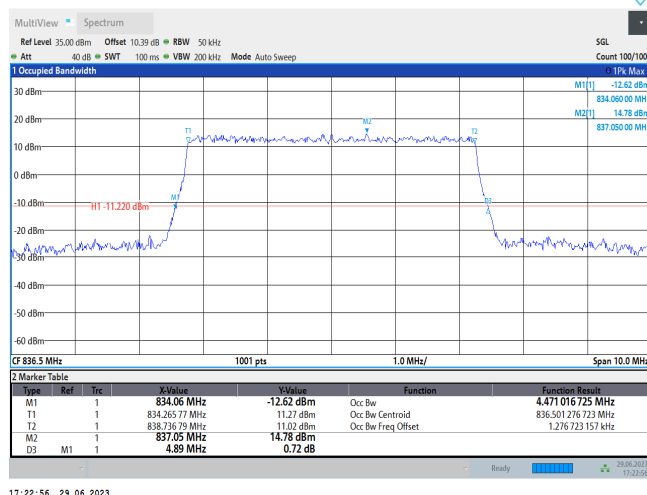
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Band5-5MHz-QPSK-20525-25RB#0



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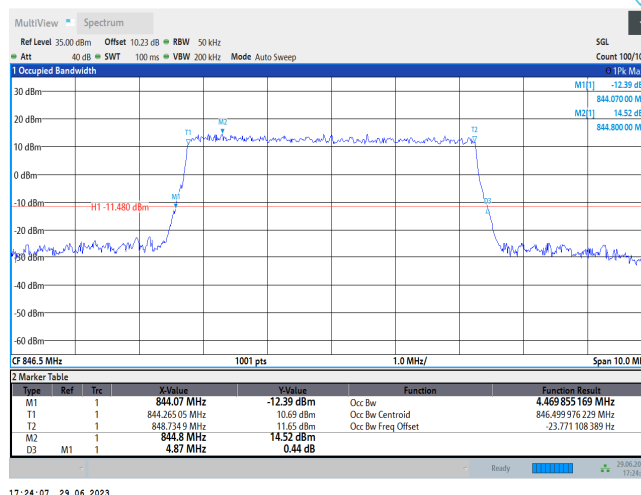
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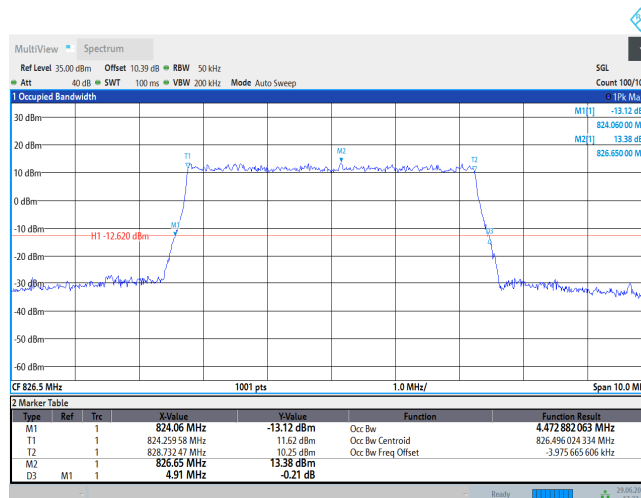
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17:22:08 29.06.2023



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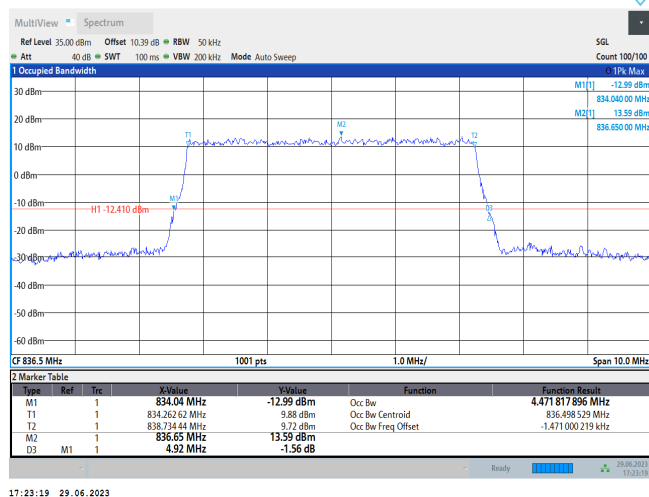
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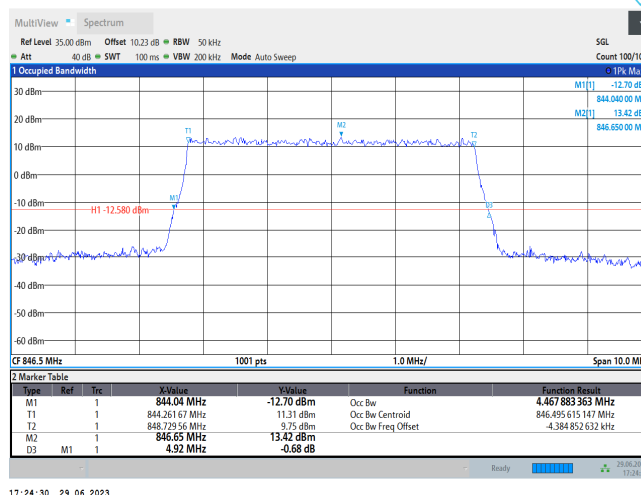
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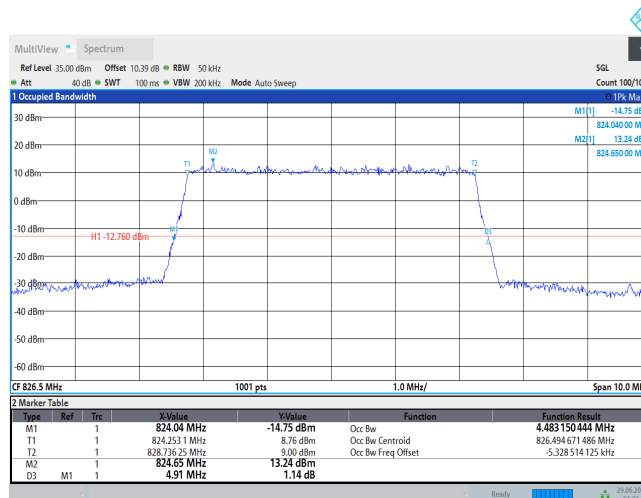
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Band5-5MHz-64QAM-20425-25RB#0



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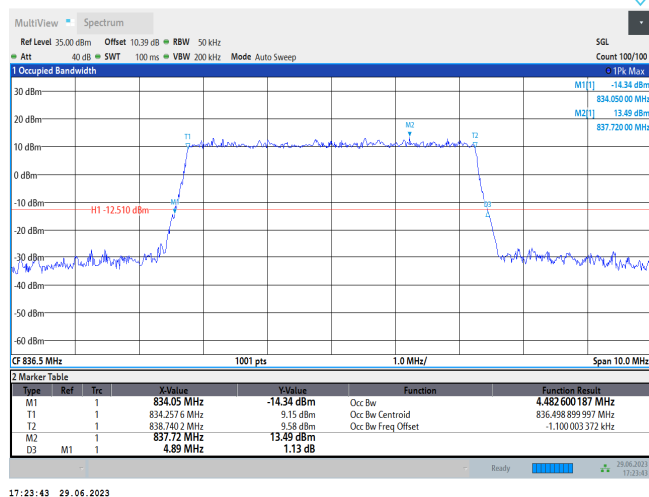
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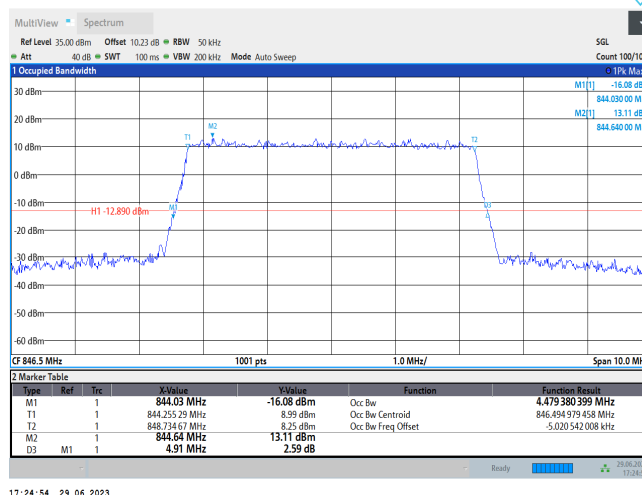
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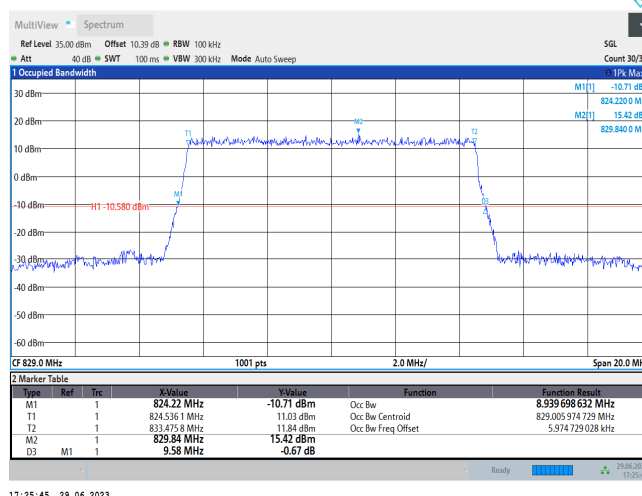
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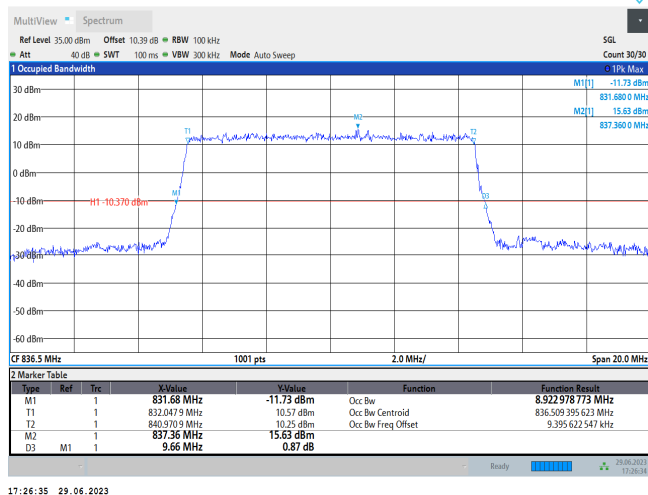
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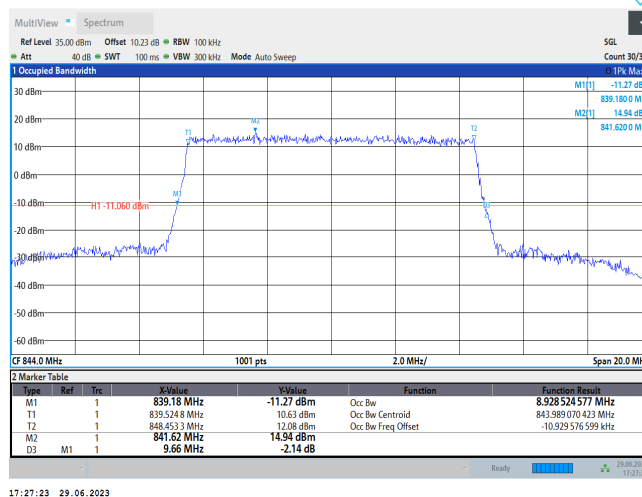
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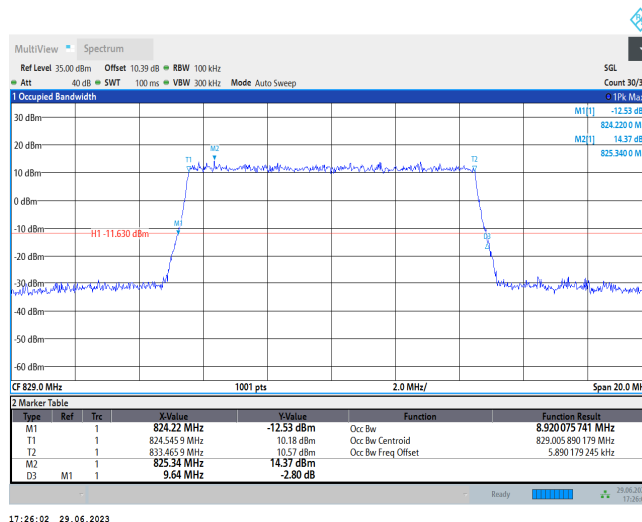
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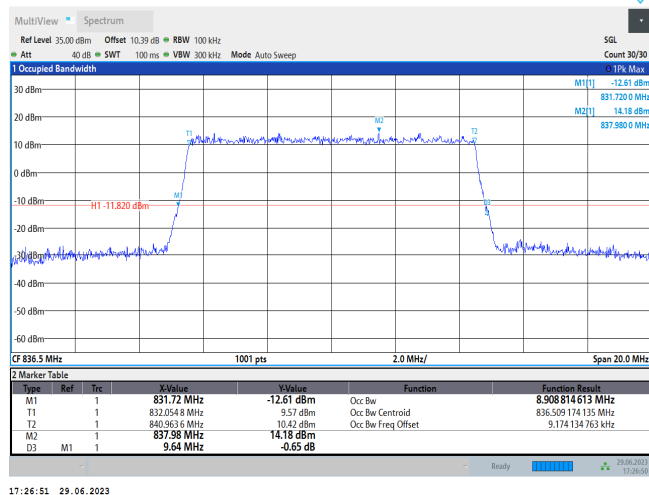
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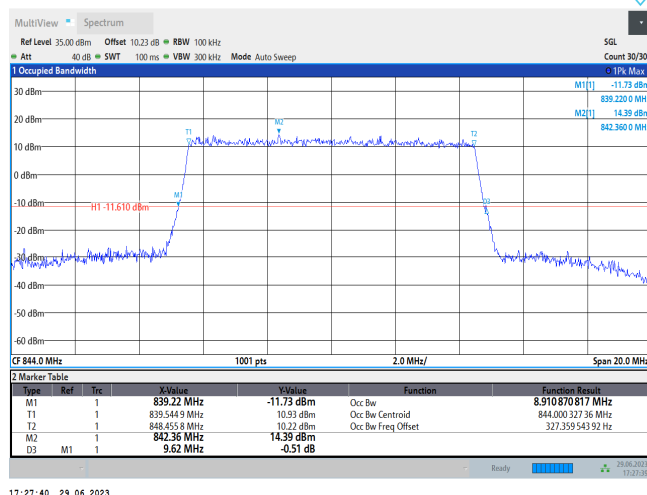
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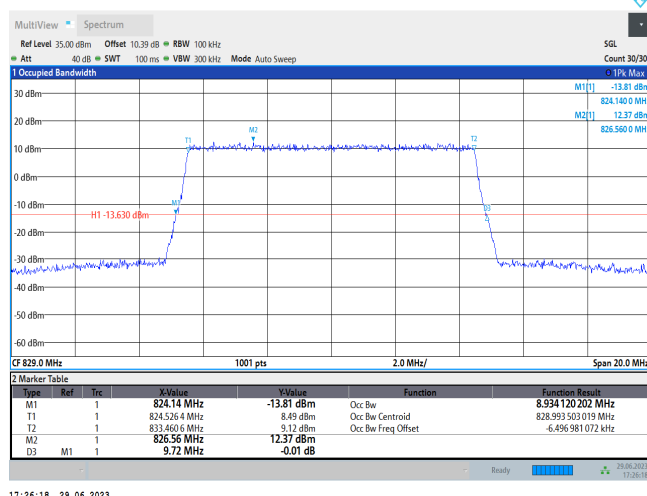
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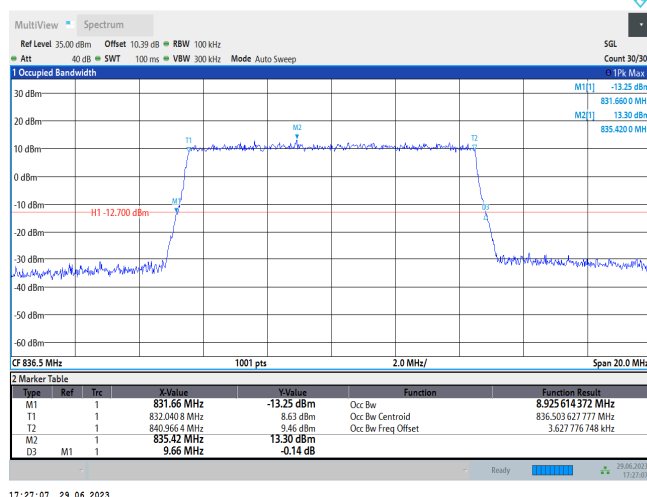
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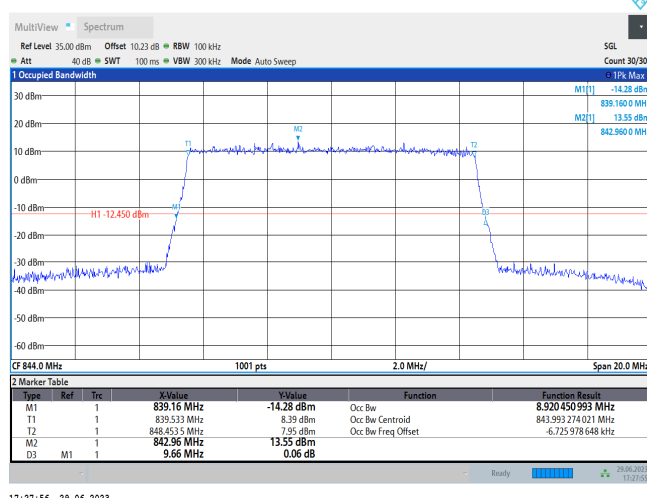
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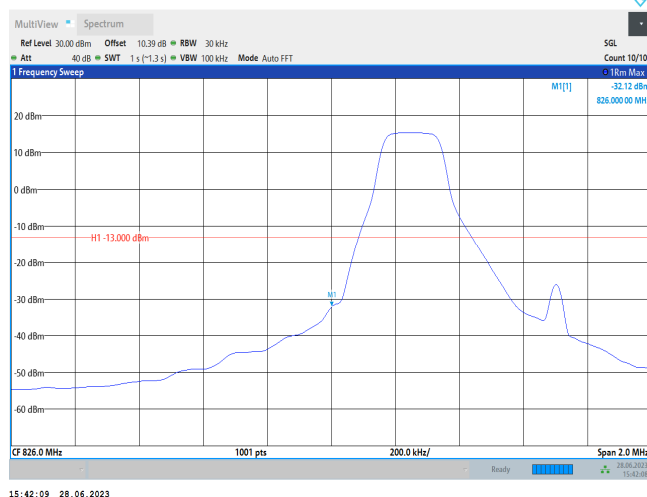
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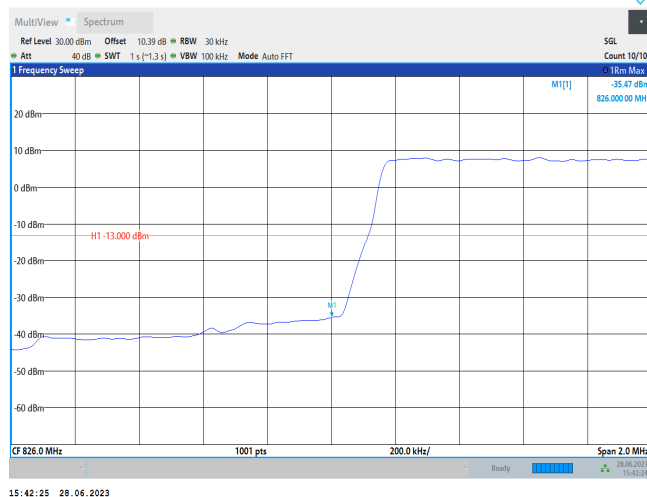
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Test Graphs

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



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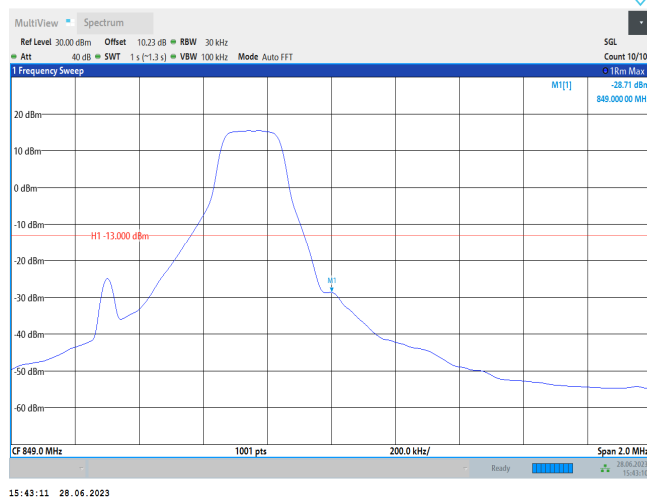
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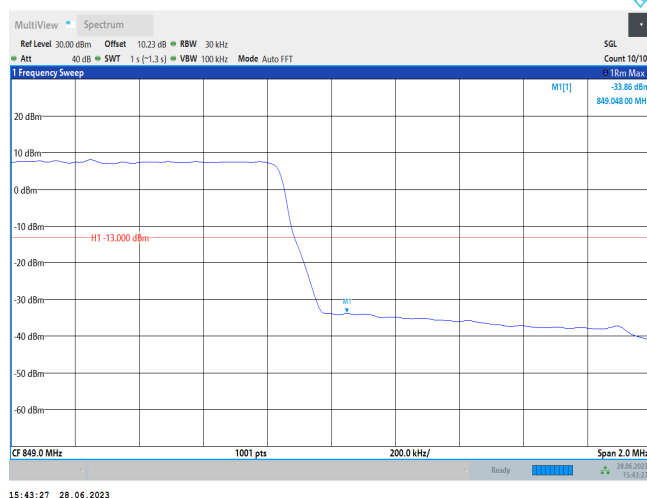
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Band5-1.4MHz-QPSK-20643-1RB#5



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



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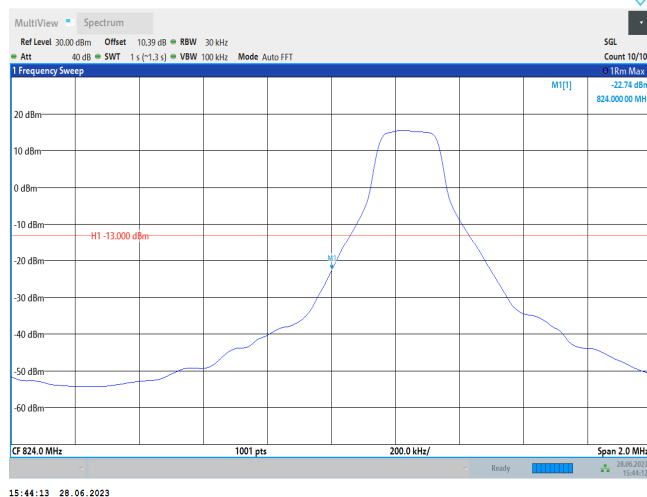
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Band5-3MHz-QPSK-20415-1RB#0



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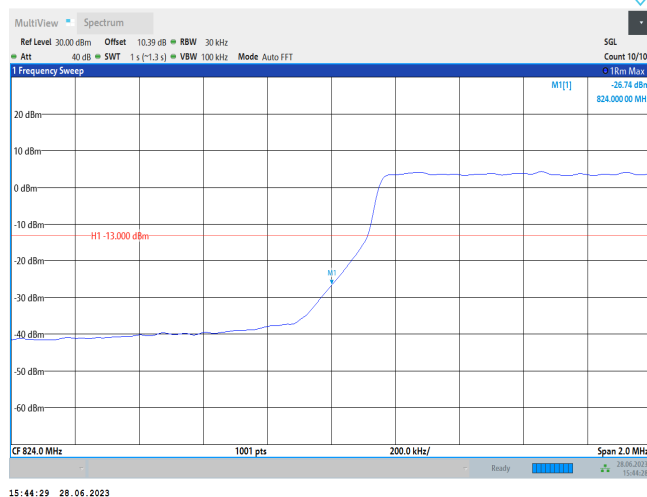
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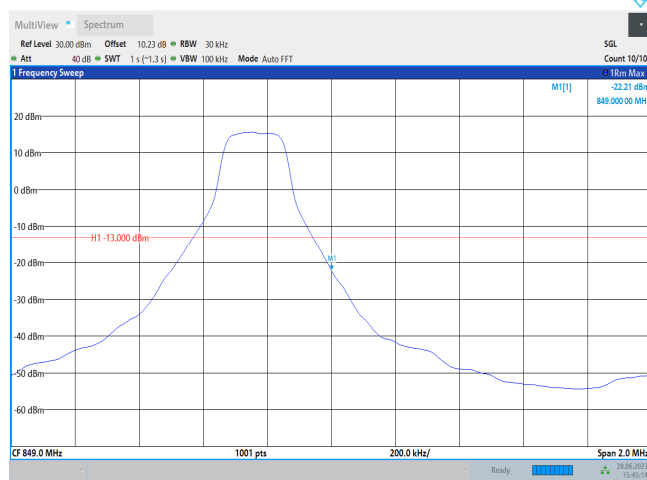
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Band5-3MHz-QPSK-20415-15RB#0



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



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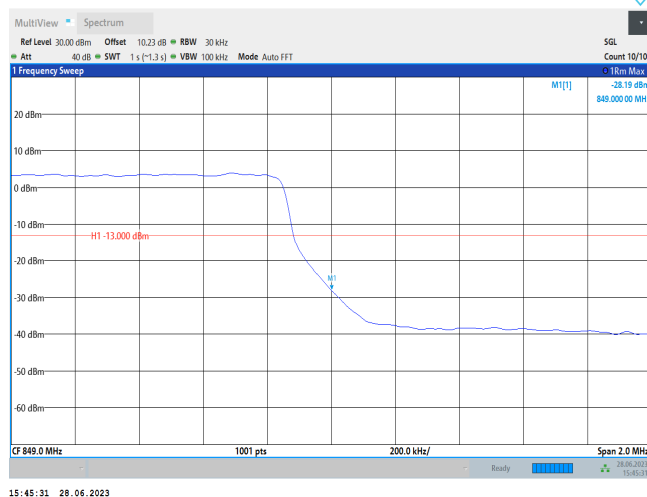
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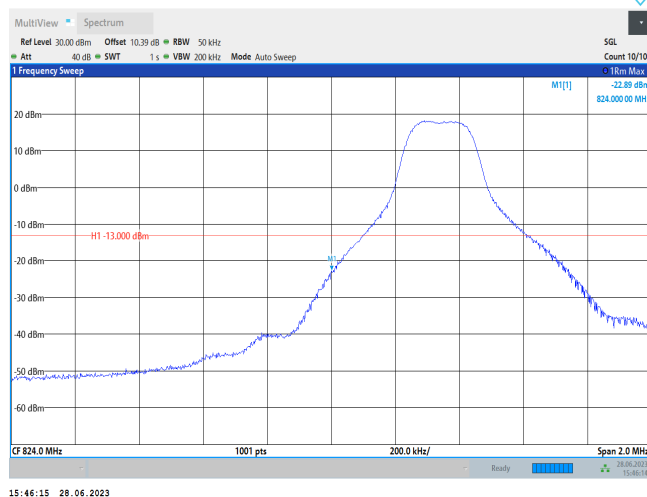
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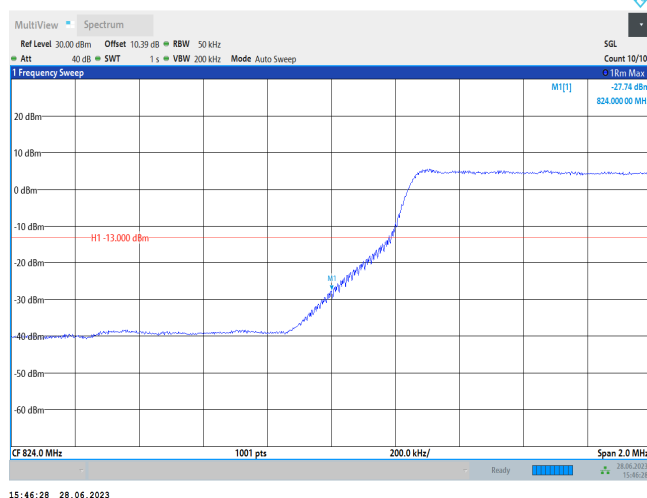
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Band5-5MHz-QPSK-20425-1RB#0



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



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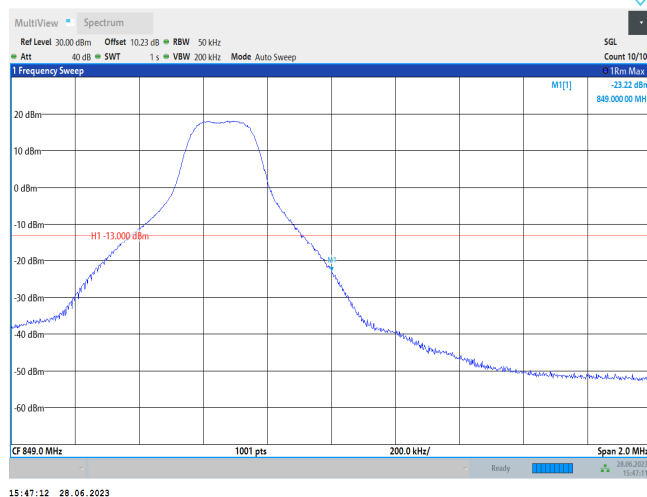
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Band5-5MHz-QPSK-20625-1RB#24



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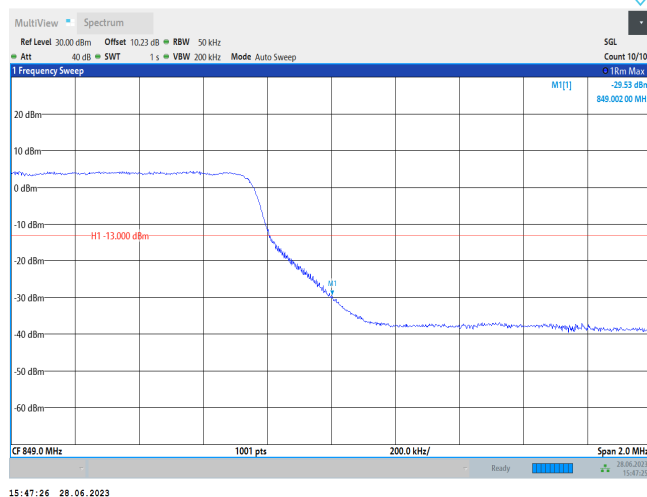
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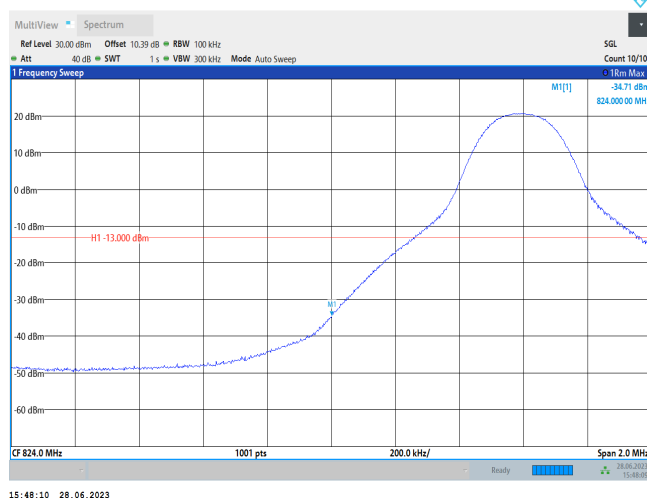
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Band5-5MHz-QPSK-20625-25RB#0



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



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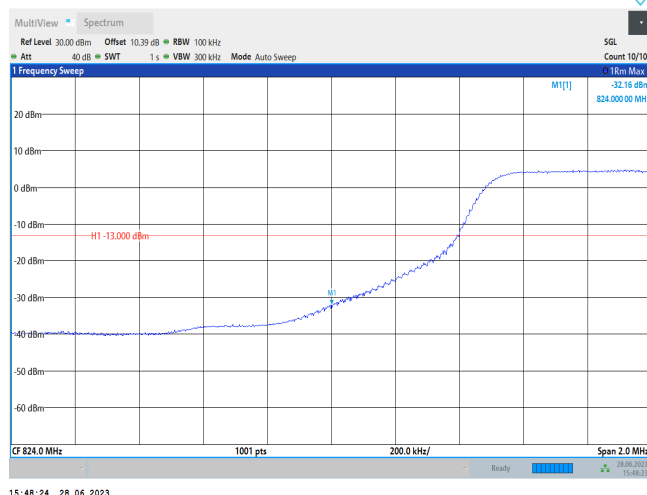
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Band5-10MHz-QPSK-20450-50RB#0



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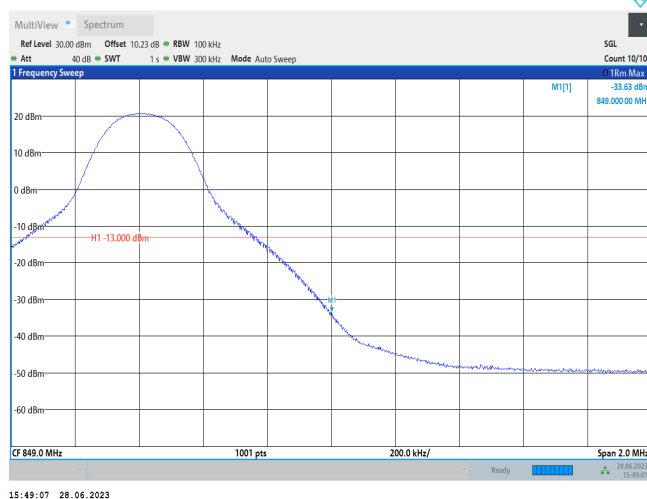
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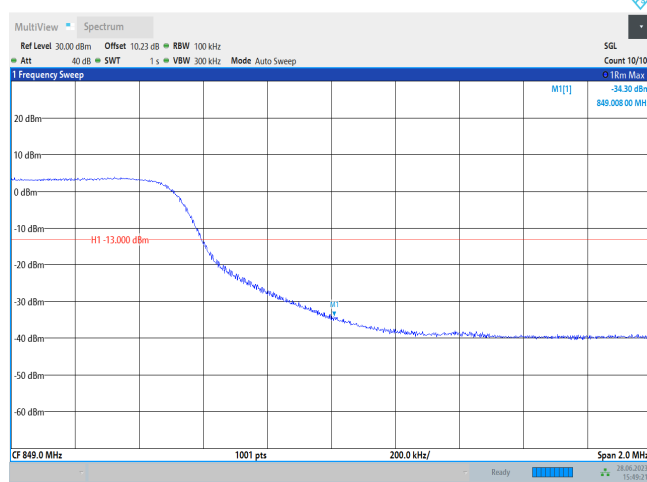
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Band5-10MHz-QPSK-20600-1RB#49



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



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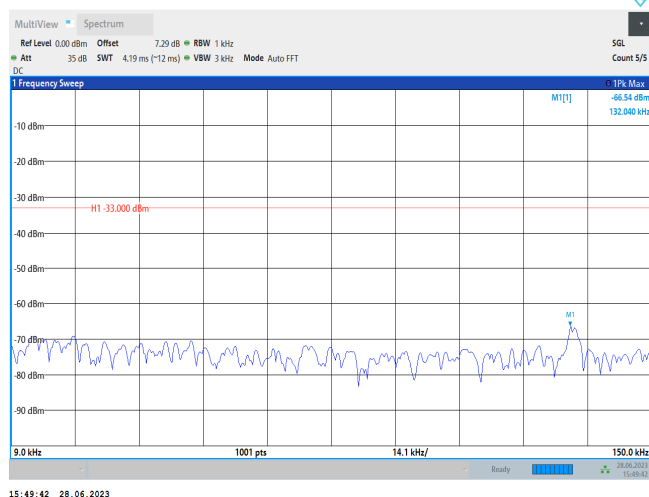
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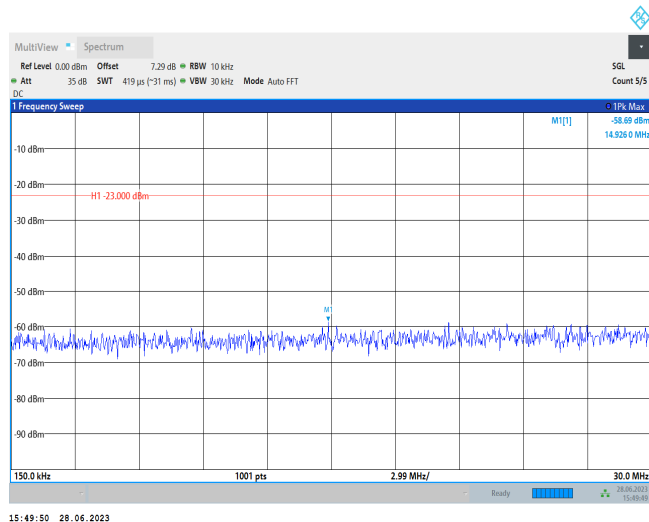
Conducted Spurious Emission

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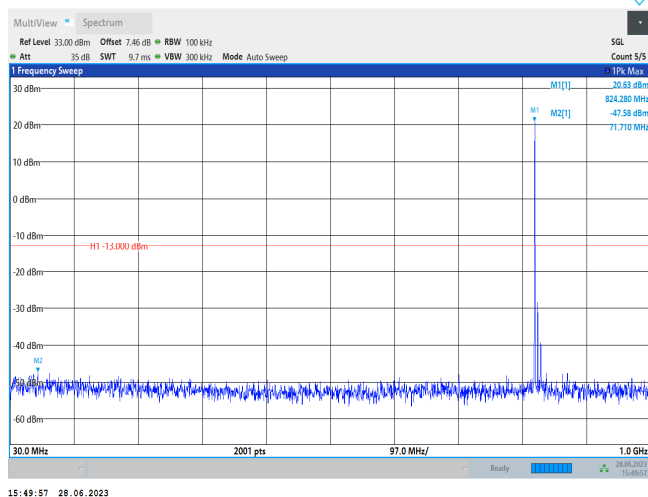
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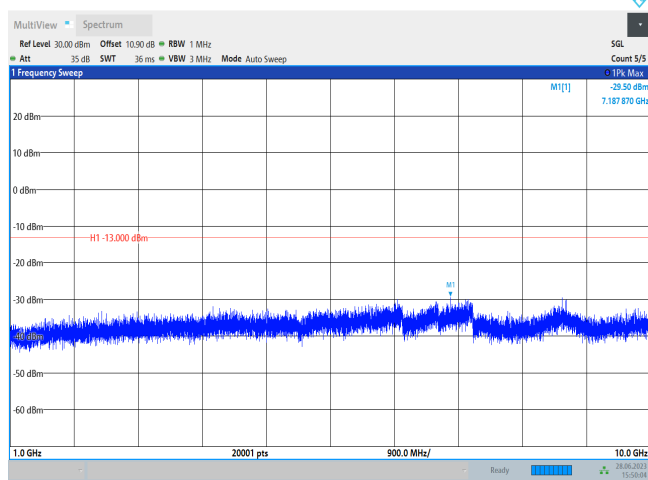
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Band5-10MHz-QPSK-20450-1RB#0-Range4:1000~10000MHz



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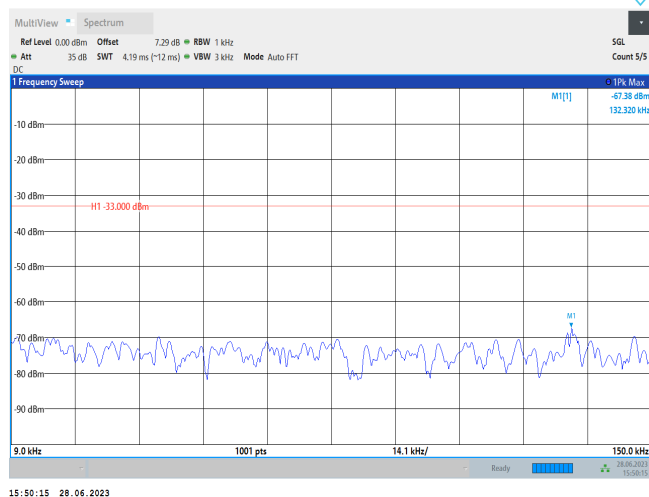


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Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



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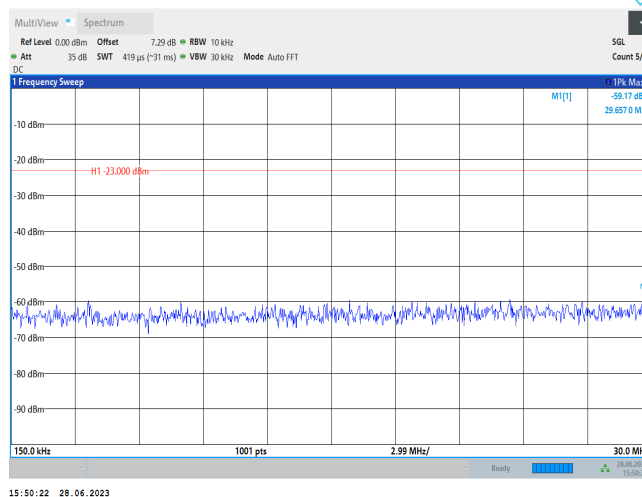


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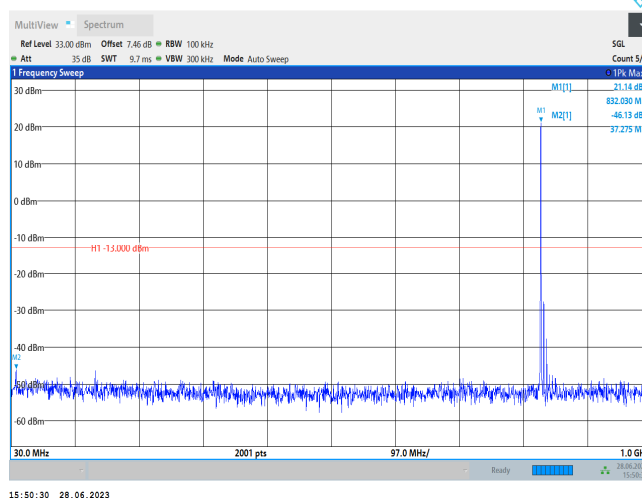
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Band5-10MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



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



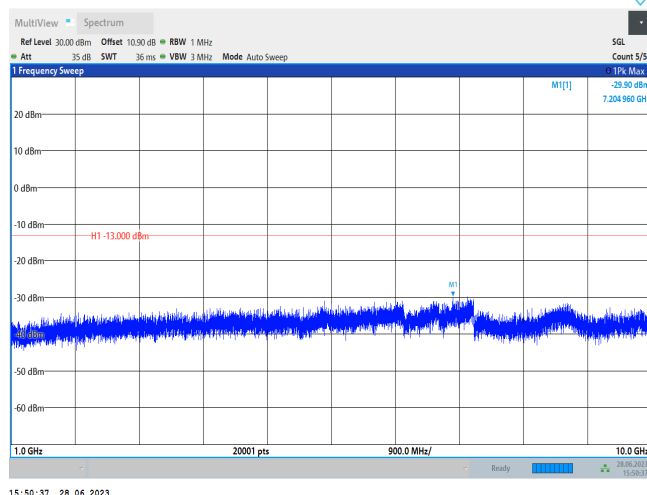


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Band5-10MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz



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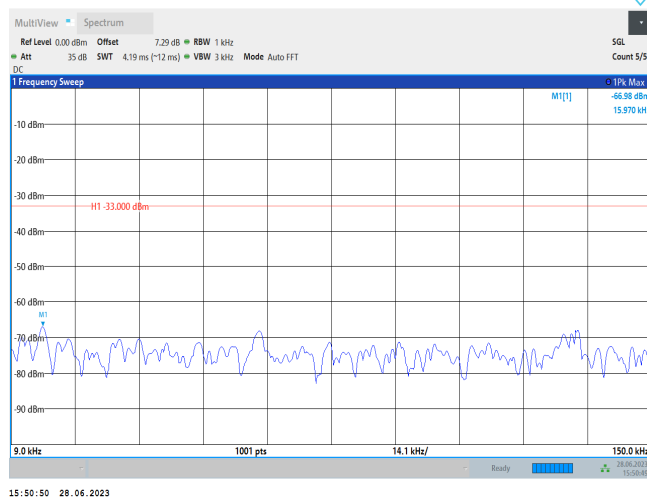
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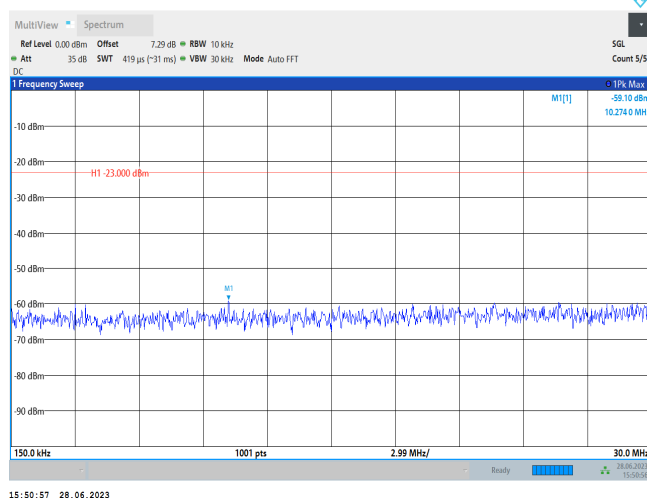
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Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



15:50:50 28.06.2023

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



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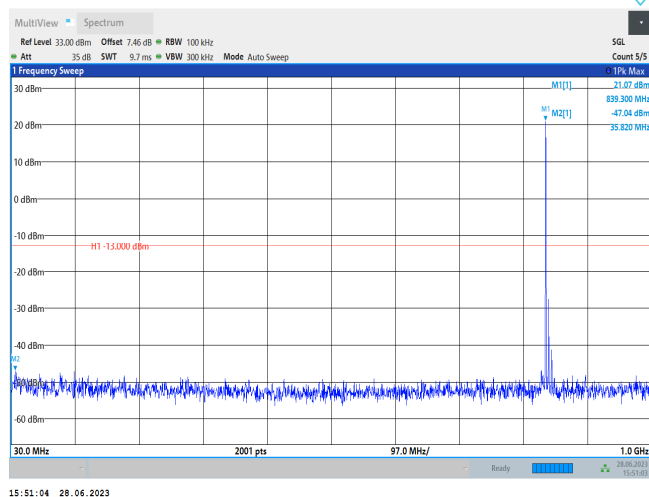
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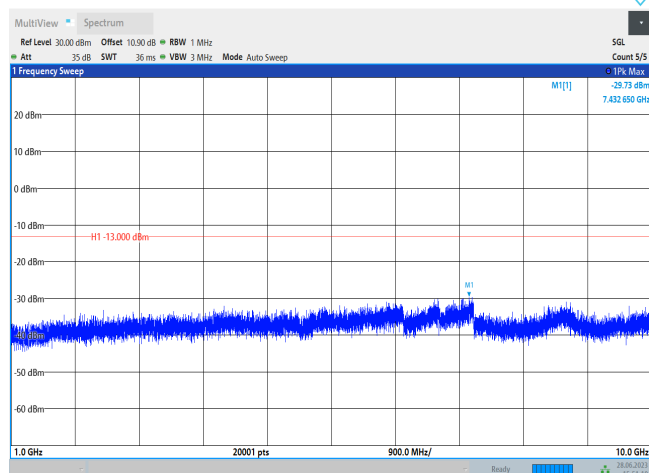
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Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz



15:51:04 28.06.2023

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



15:51:11 28.06.2023



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Field Strength of Spurious Radiation

Test Band = LTE_5_TM1_10MHz

Test Channel = LCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1130.9565	48.73	-47.77	24.42	-69.88	-13.00	56.88	233	9	Horizontal
2	1649.3825	50.48	-47.52	25.50	-66.80	-13.00	53.80	263	208	Horizontal
3	2679.034	47.79	-46.18	27.96	-65.69	-13.00	52.69	324	77	Horizontal
4	4388.2194	47.90	-43.23	30.05	-60.54	-13.00	47.54	148	37	Horizontal
5	7434.4217	45.22	-38.36	36.77	-51.63	-13.00	38.63	111	113	Horizontal
6	9923.9462	43.34	-35.38	38.62	-48.68	-13.00	35.68	326	93	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1341.1171	48.78	-47.68	25.01	-69.15	-13.00	56.15	196	212	Vertical
2	1922.0961	49.59	-47.06	25.44	-67.29	-13.00	54.29	335	232	Vertical
3	3645.6823	48.33	-44.48	29.27	-62.14	-13.00	49.14	247	280	Vertical
4	5321.5661	47.08	-42.14	32.03	-58.29	-13.00	45.29	148	34	Vertical
5	7447.9224	45.17	-38.36	36.80	-51.65	-13.00	38.65	225	137	Vertical
6	9892.8946	43.04	-35.31	38.54	-48.99	-13.00	35.99	321	256	Vertical



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Test Band = LTE_5_TM1_10MHz
Test Channel = MCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1117.4559	49.04	-47.75	24.37	-69.60	-13.00	56.60	226	188	Horizontal
2	1848.7424	48.15	-47.22	25.59	-68.74	-13.00	55.74	334	45	Horizontal
3	2580.929	48.02	-46.27	27.86	-65.65	-13.00	52.65	189	14	Horizontal
4	4396.7698	48.19	-43.26	30.09	-60.24	-13.00	47.24	226	244	Horizontal
5	5595.6298	47.20	-41.42	32.57	-56.91	-13.00	43.91	322	6	Horizontal
6	9935.6468	43.43	-35.43	38.64	-48.62	-13.00	35.62	221	53	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1065.2533	49.09	-47.32	24.16	-69.33	-13.00	56.33	334	315	Vertical
2	1648.9324	48.38	-47.52	25.49	-68.91	-13.00	55.91	258	8	Vertical
3	2622.3311	47.89	-46.17	27.90	-65.64	-13.00	52.64	263	163	Vertical
4	4395.4198	48.08	-43.25	30.08	-60.35	-13.00	47.35	241	0	Vertical
5	7353.4177	45.33	-38.55	36.51	-51.97	-13.00	38.97	176	327	Vertical
6	9923.9462	43.16	-35.38	38.62	-48.86	-13.00	35.86	331	327	Vertical



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Test Band = LTE_5_TM1_10MHz
Test Channel = HCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1065.5226	48.82	-47.32	24.16	-69.60	-13.00	56.60	326	224	Horizontal
2	2018.1207	48.34	-46.92	26.43	-67.41	-13.00	54.41	254	326	Horizontal
3	3017.5207	47.83	-45.71	28.67	-64.47	-13.00	51.47	147	148	Horizontal
4	4907.9563	47.95	-42.96	30.92	-59.35	-13.00	46.35	115	60	Horizontal
5	7396.3759	45.27	-38.37	36.69	-51.67	-13.00	38.67	326	296	Horizontal
6	9917.1967	43.64	-35.36	38.62	-48.36	-13.00	35.36	221	90	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1436.6975	48.65	-47.47	25.19	-68.89	-13.00	55.89	254	269	Vertical
2	2194.1678	48.92	-47.00	26.85	-66.49	-13.00	53.49	118	175	Vertical
3	3096.3639	48.14	-45.89	28.89	-64.12	-13.00	51.12	263	207	Vertical
4	4785.5514	47.70	-42.89	30.71	-59.74	-13.00	46.74	332	149	Vertical
5	7114.8446	45.62	-38.99	36.05	-52.58	-13.00	39.58	148	69	Vertical
6	9929.4372	43.40	-35.40	38.63	-48.63	-13.00	35.63	229	171	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	Band width	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-9.21	-0.011010	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-8.78	-0.010496	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-9.00	-0.010759	±2.5	PASS

Temperature										
Band	Band width	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-4.46	-0.005332	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-8.01	-0.009576	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-2.33	-0.002785	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-6.87	-0.008213	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-7.81	-0.009337	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-7.14	-0.008536	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-5.24	-0.006264	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-5.42	-0.006479	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-4.19	-0.005009	±2.5	PASS

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