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Appendix B.6

LTE Band 7



SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.80	21.90	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.99	22.09	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.71	21.81	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.90	21.00	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.86	21.96	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.09	22.19	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.83	21.93	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.95	21.05	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.89	21.99	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.08	22.18	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.55	21.65	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.96	21.06	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.02	21.12	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.18	21.28	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.83	20.93	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.87	19.97	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.08	21.18	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.26	21.36	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.05	21.15	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.92	20.02	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.14	21.24	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.26	21.36	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.98	21.08	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.94	20.04	33.00	PASS



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Band7	5MHz	64QAM	20775	1RB#0	20.89	19.99	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	21.08	20.18	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	20.87	19.97	33.00	PASS
Band7	5MHz	64QAM	20775	25RB#0	19.87	18.97	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	20.90	20.00	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	21.15	20.25	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	20.92	20.02	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	19.92	19.02	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	20.99	20.09	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	21.24	20.34	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	20.95	20.05	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	19.94	19.04	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.91	22.01	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.92	22.02	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.87	21.97	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.97	21.07	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.98	22.08	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.04	22.14	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.93	22.03	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.01	21.11	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.11	22.21	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.10	22.20	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.78	21.88	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.12	21.22	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.06	21.16	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.10	21.20	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.09	21.19	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.90	20.00	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.21	21.31	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.24	21.34	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.16	21.26	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.95	20.05	33.00	PASS



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Band7	10MHz	16QAM	21400	1RB#0	22.36	21.46	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.22	21.32	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.10	21.20	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.07	20.17	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	20.96	20.06	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	21.09	20.19	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	21.01	20.11	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	19.91	19.01	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	20.99	20.09	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#24	21.14	20.24	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	20.99	20.09	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	19.97	19.07	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	21.19	20.29	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	21.22	20.32	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	21.05	20.15	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.06	19.16	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.89	21.99	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.91	22.01	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.90	22.00	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.96	21.06	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.00	22.10	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.99	22.09	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.90	22.00	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.02	21.12	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.14	22.24	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.09	22.19	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.82	21.92	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.13	21.23	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.08	21.18	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.17	21.27	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.15	21.25	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.91	20.01	33.00	PASS



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Band7	15MHz	16QAM	21100	1RB#0	22.14	21.24	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.24	21.34	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.11	21.21	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.97	20.07	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.36	21.46	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.29	21.39	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.10	21.20	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.08	20.18	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	20.96	20.06	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	21.02	20.12	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	21.02	20.12	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	19.89	18.99	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	21.10	20.20	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	21.11	20.21	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	20.95	20.05	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	19.96	19.06	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	21.23	20.33	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#38	21.22	20.32	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	20.91	20.01	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	20.08	19.18	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.84	21.94	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.04	22.14	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.94	22.04	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.96	21.06	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.06	22.16	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.07	22.17	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.87	21.97	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.04	21.14	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.09	22.19	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.26	22.36	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.78	21.88	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.13	21.23	33.00	PASS



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Band7	20MHz	16QAM	20850	1RB#0	22.03	21.13	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.19	21.29	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.09	21.19	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.90	20.00	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.32	21.42	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.25	21.35	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.99	21.09	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.97	20.07	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.26	21.36	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.40	21.50	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.96	21.06	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.07	20.17	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	21.01	20.11	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	21.17	20.27	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	20.98	20.08	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	19.91	19.01	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	21.11	20.21	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	21.11	20.21	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	20.93	20.03	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	19.99	19.09	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#0	21.22	20.32	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#49	21.31	20.41	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	20.89	19.99	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	20.07	19.17	33.00	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

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Band7	20MHz	QPSK	20850	100RB#0	4.42	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.68	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.18	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.30	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.54	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.14	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	5.82	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.00	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	5.88	13	PASS



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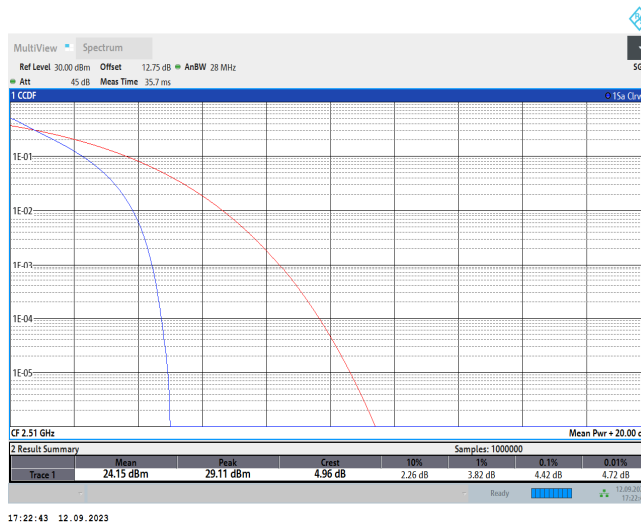
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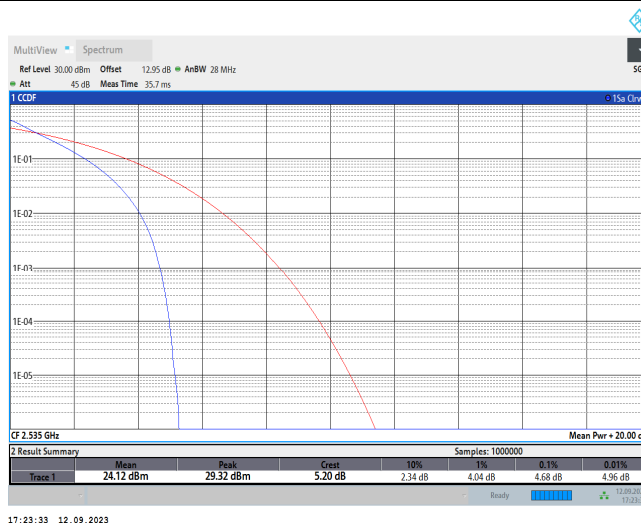
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Test Graphs

Band7-20MHz-QPSK-20850-100RB#0



Band7-20MHz-QPSK-21100-100RB#0



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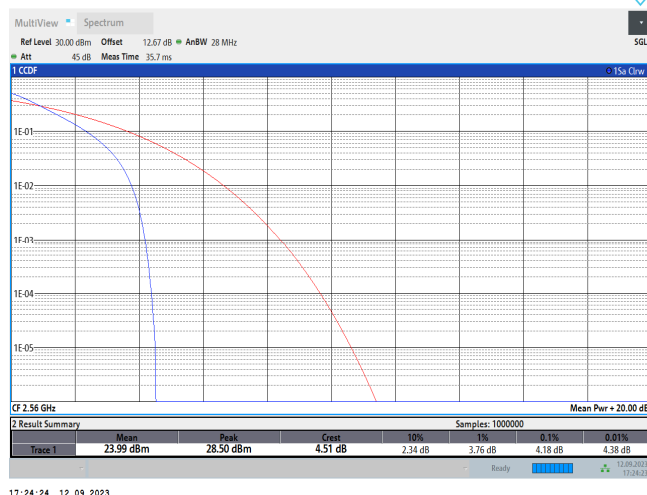
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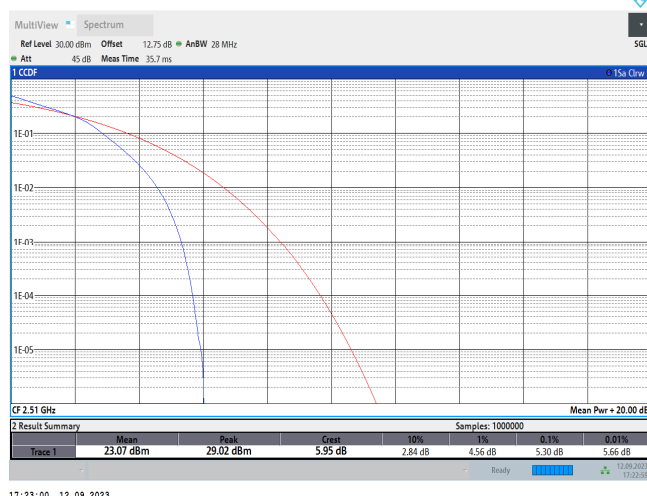
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Band7-20MHz-QPSK-21350-100RB#0



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Band7-20MHz-16QAM-20850-100RB#0



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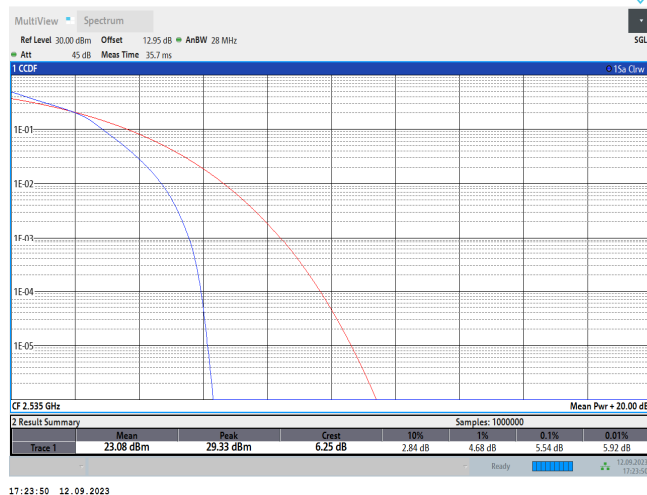
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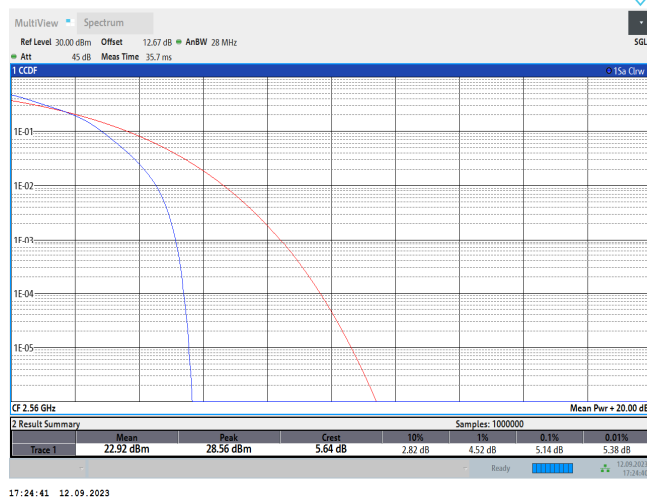
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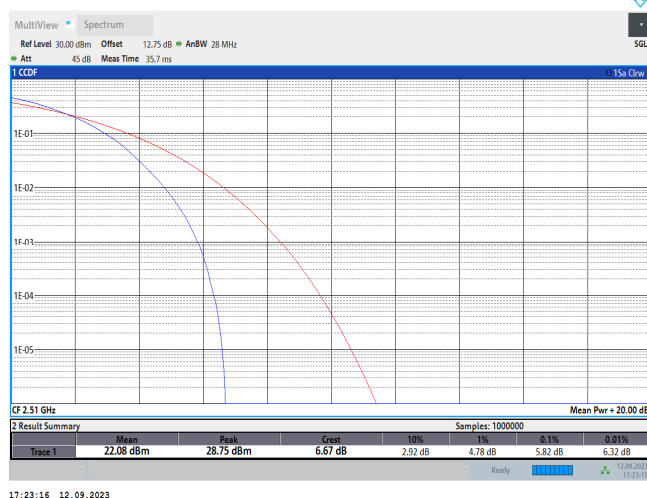
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Band7-20MHz-16QAM-21350-100RB#0



Band7-20MHz-64QAM-20850-100RB#0



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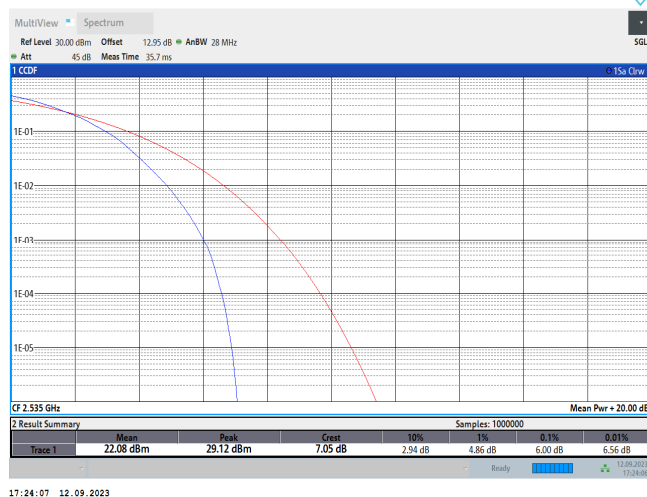
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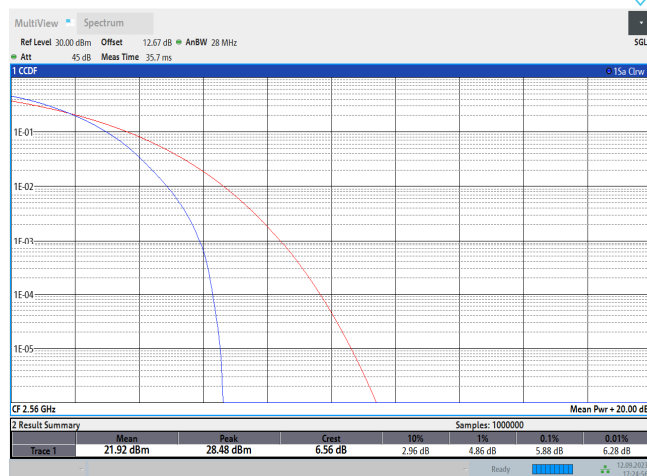
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Band7-20MHz-64QAM-21350-100RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.46	4.78	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.472	4.84	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.477	5.16	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.468	4.90	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.467	4.87	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.477	4.93	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.48	4.83	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.475	4.86	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.478	4.87	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.935	9.64	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.95	9.64	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.945	9.72	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.919	9.58	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.921	9.64	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.936	9.54	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.933	9.66	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.935	9.64	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.94	9.64	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.491	14.76	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.498	14.88	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.504	15.78	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.466	14.79	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.473	14.70	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.47	14.73	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.439	14.79	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.439	14.73	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.44	14.61	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.923	19.40	PASS



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Band7	20MHz	QPSK	21100	100RB#0	17.968	19.44	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.951	19.24	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.897	19.36	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.917	19.32	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.88	19.28	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.875	19.44	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.906	19.40	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.879	19.36	PASS



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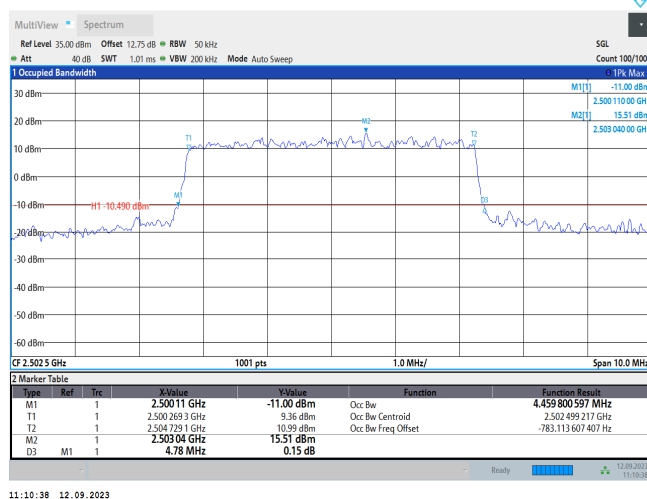
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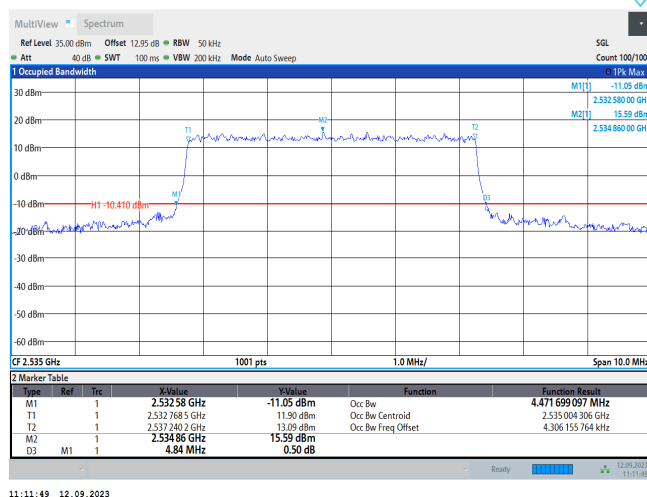
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Test Graphs

Band7-5MHz-QPSK-20775-25RB#0



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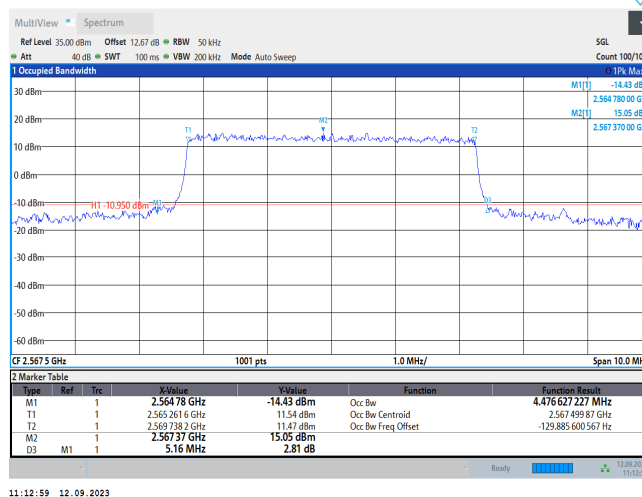
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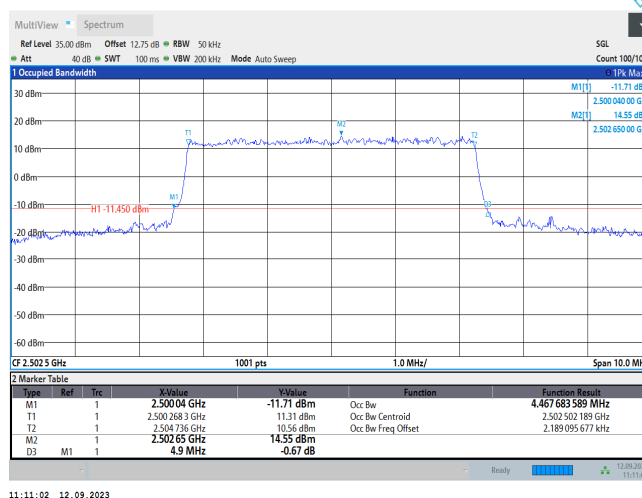
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Band7-5MHz-QPSK-21425-25RB#0



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Band7-5MHz-16QAM-20775-25RB#0



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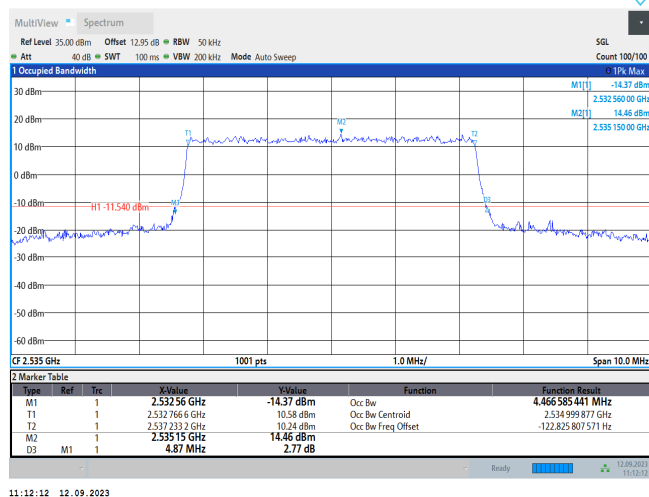
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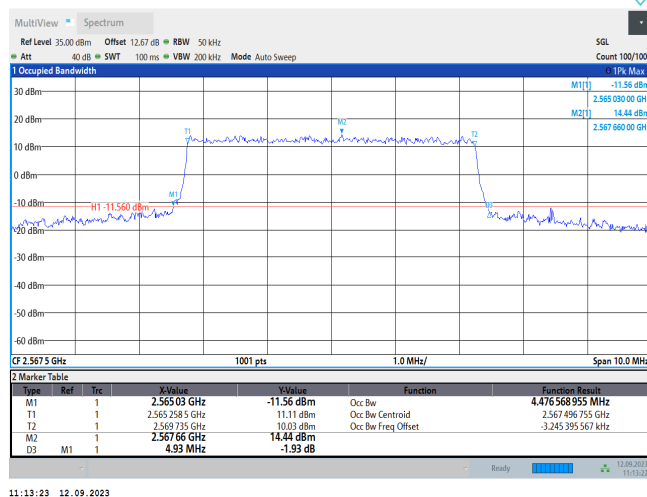
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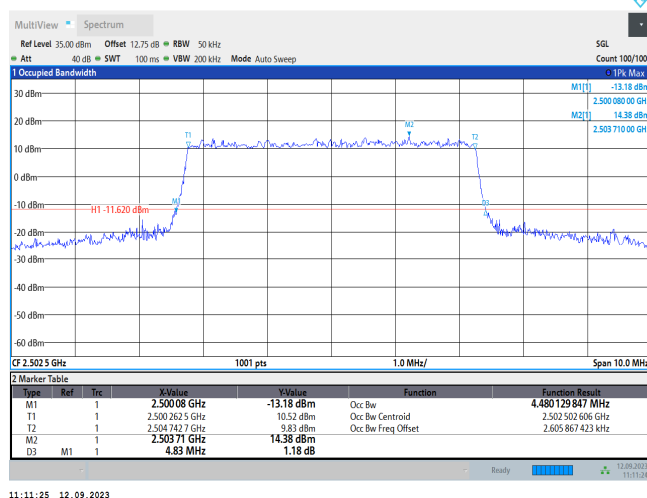
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11:13:23 12.09.2023

Band7-5MHz-64QAM-20775-25RB#0



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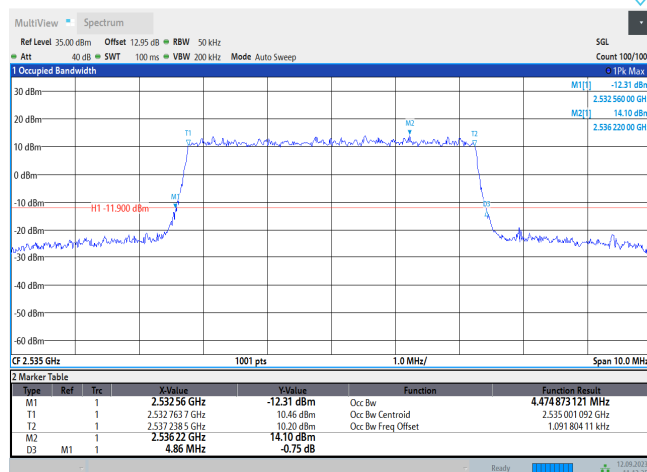
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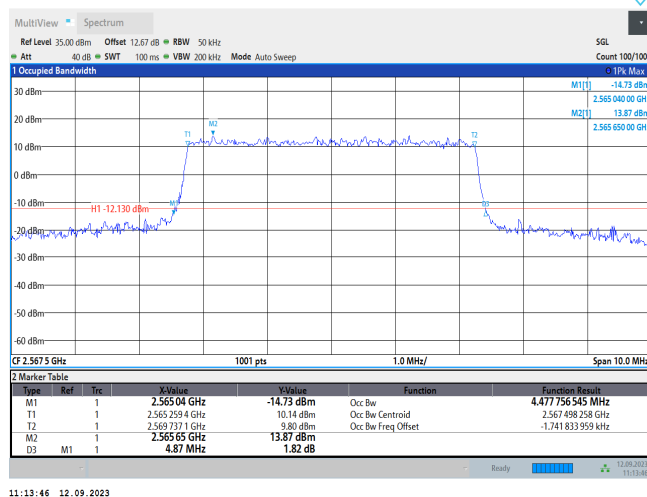
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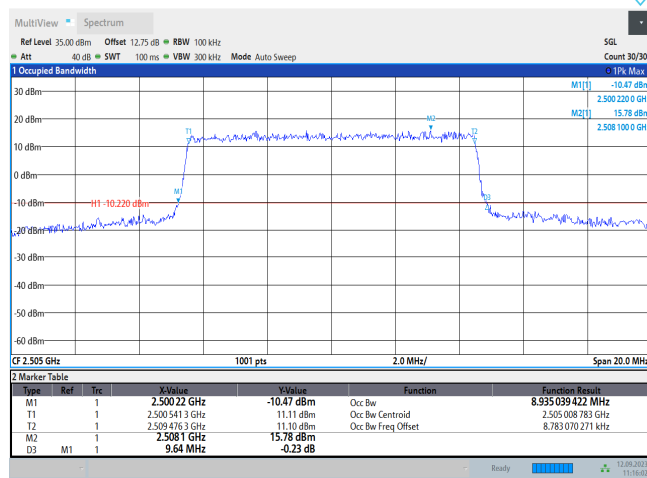
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Band7-10MHz-QPSK-20800-50RB#0



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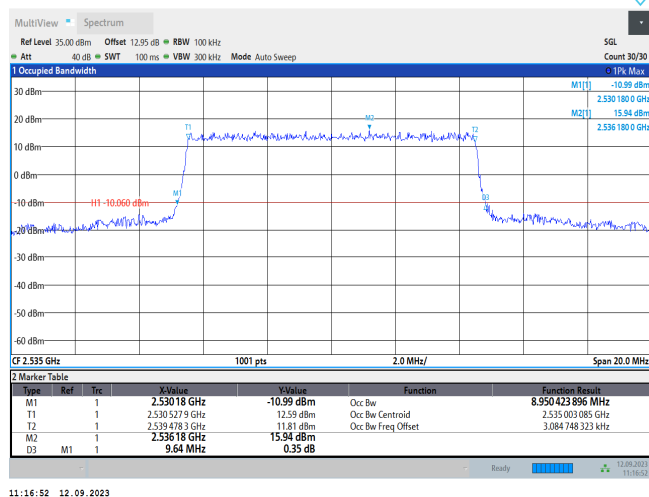


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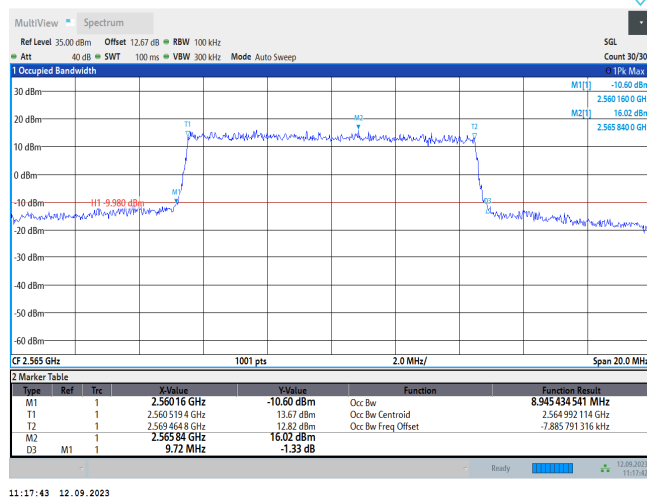


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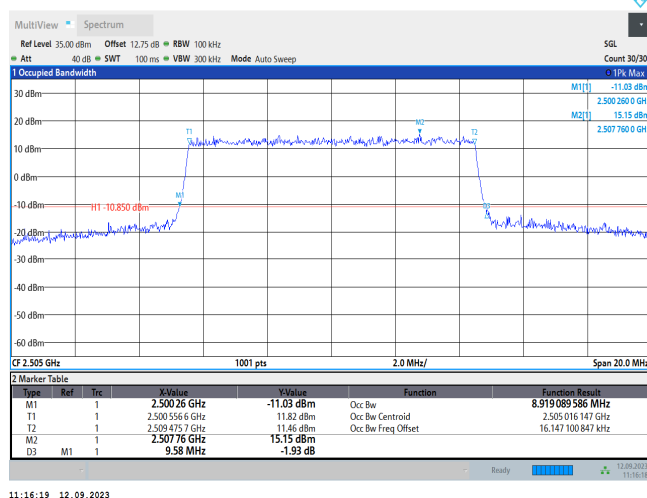
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Band7-10MHz-16QAM-20800-50RB#0



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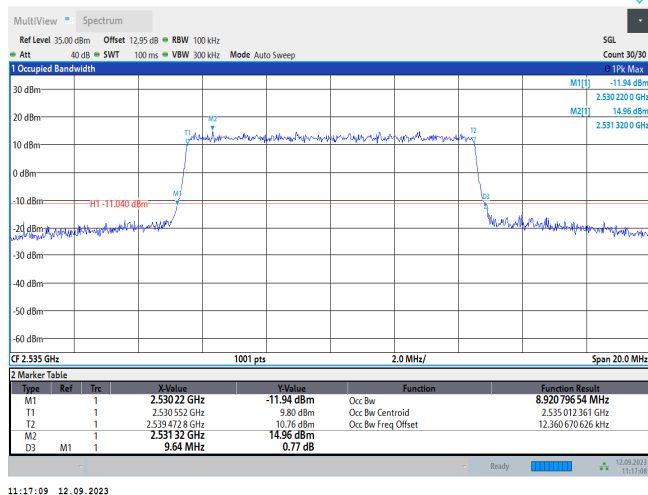
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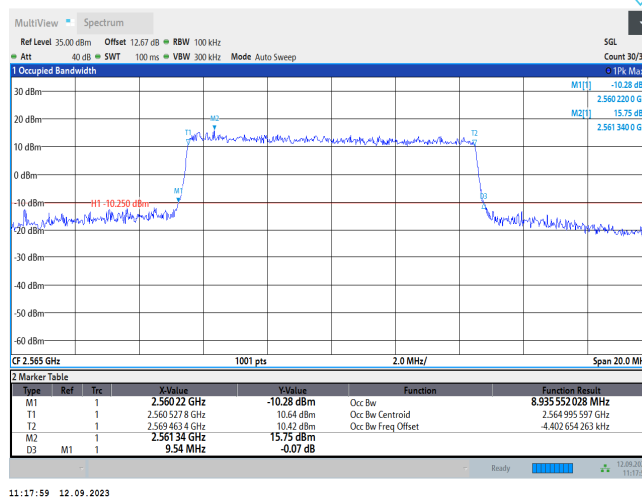


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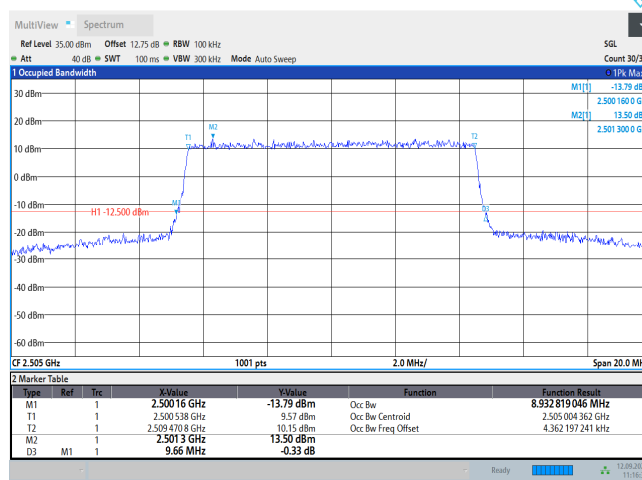
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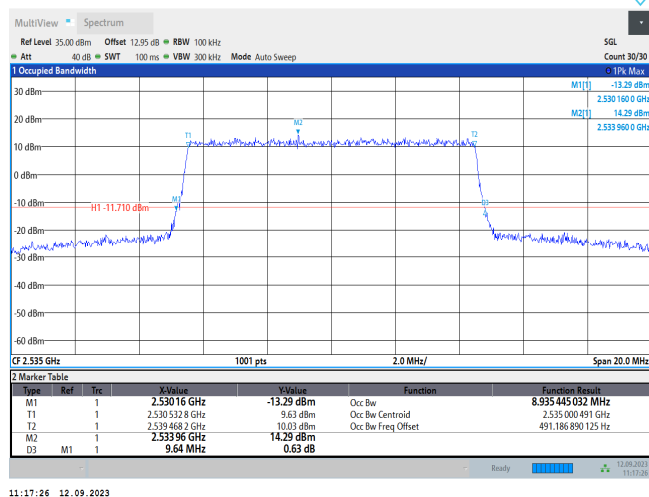
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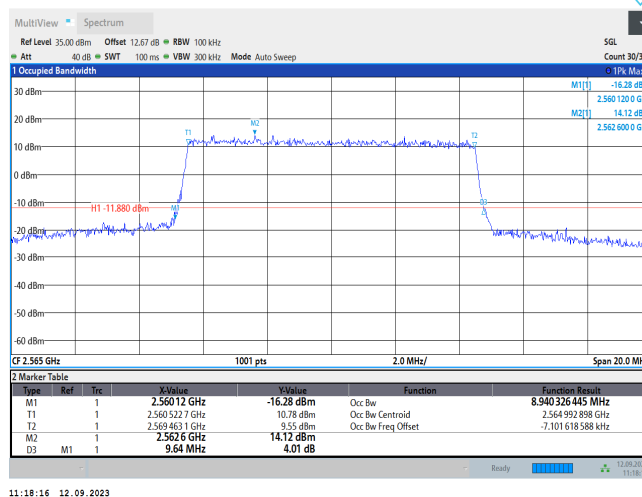
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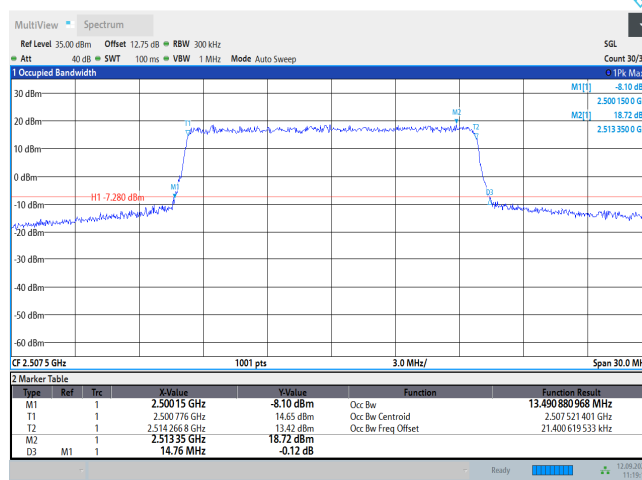
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Band7-15MHz-QPSK-20825-75RB#0



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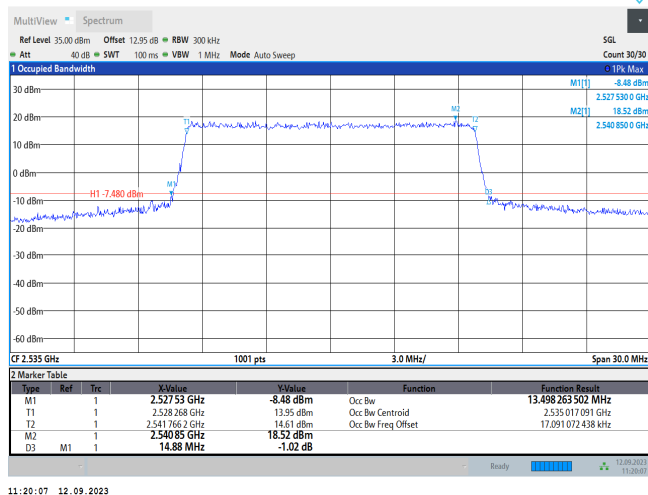
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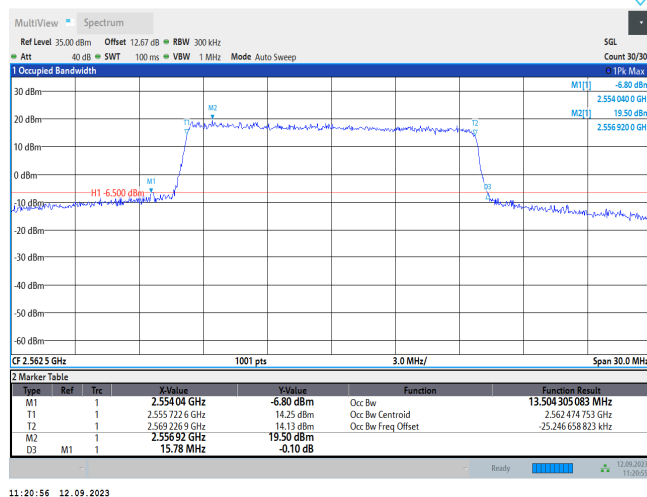
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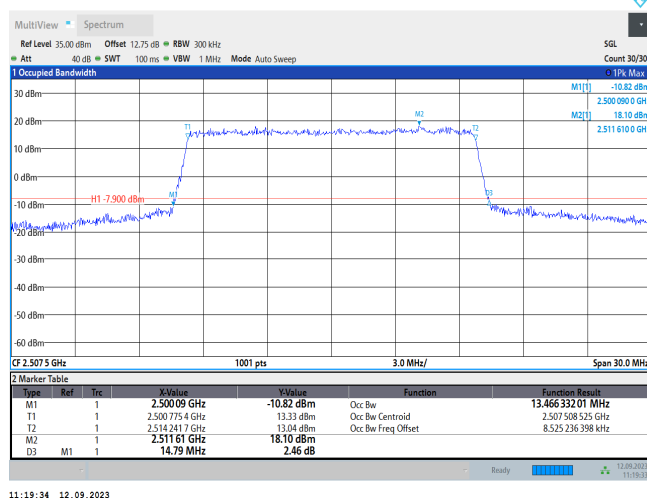
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Band7-15MHz-16QAM-20825-75RB#0



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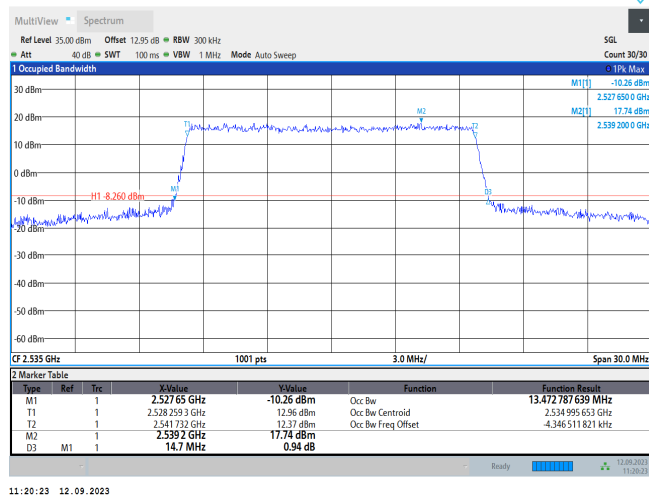
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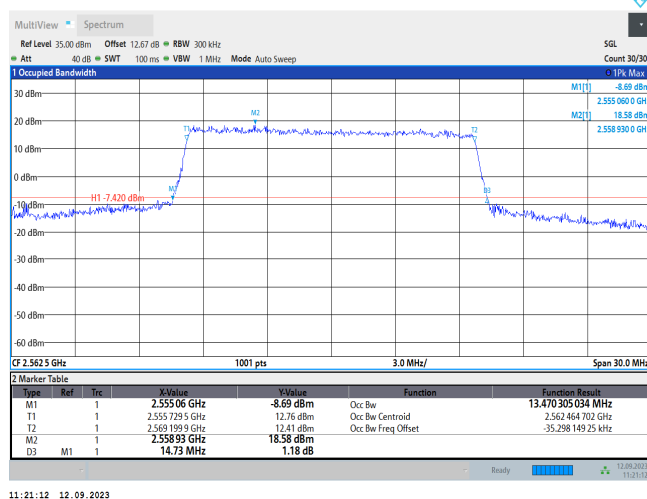
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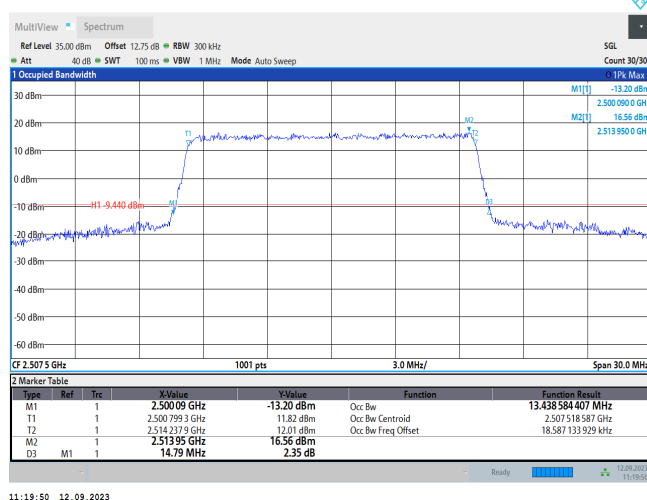
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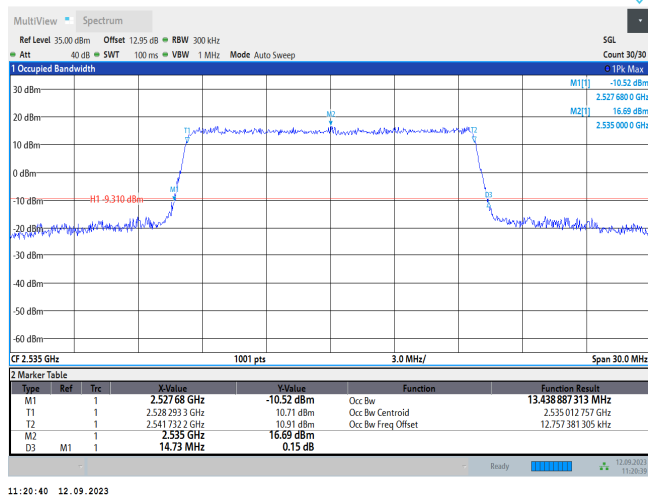


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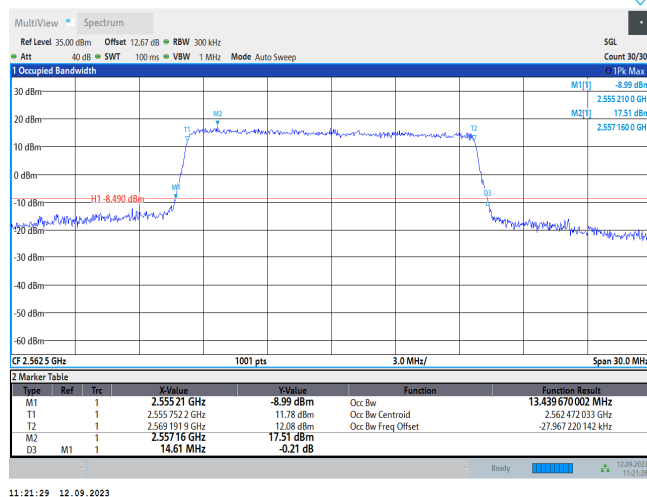


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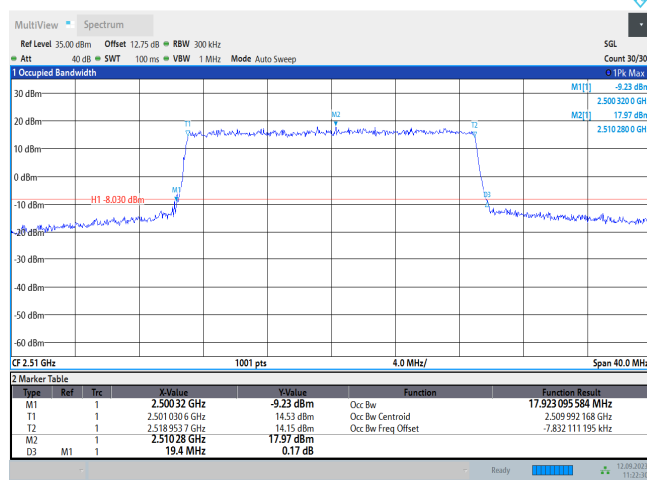
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Band7-15MHz-64QAM-21375-75RB#0



11:21:29 12.09.2023

Band7-20MHz-QPSK-20850-100RB#0



11:22:31 12.09.2023



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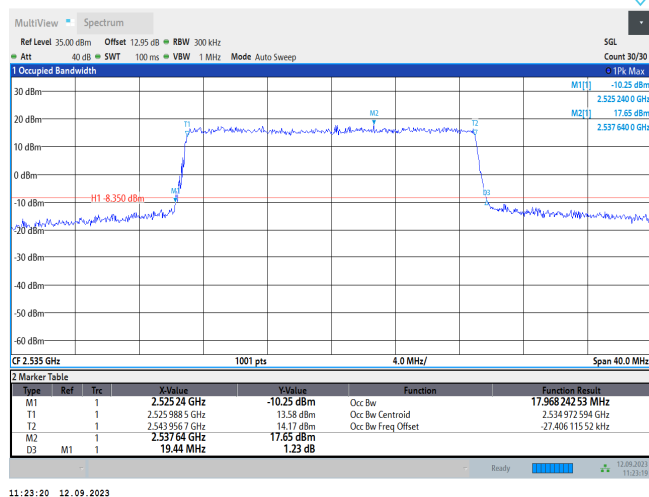
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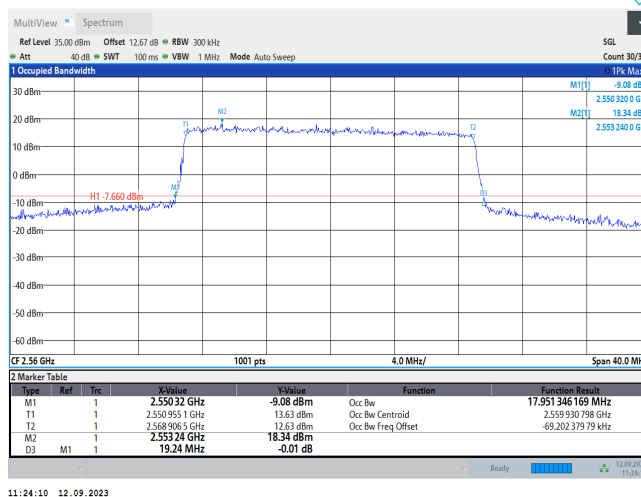


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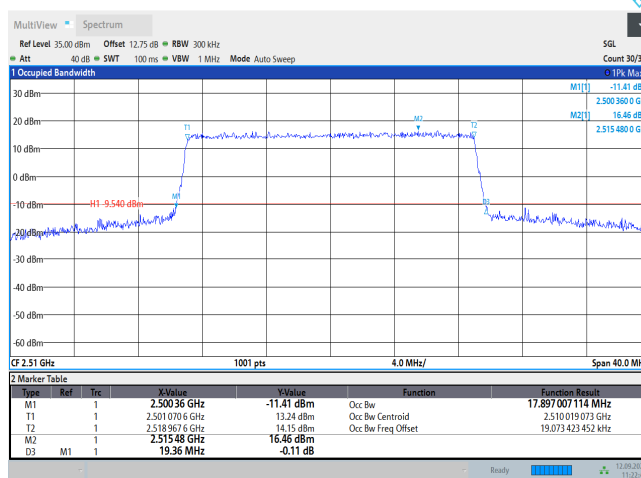
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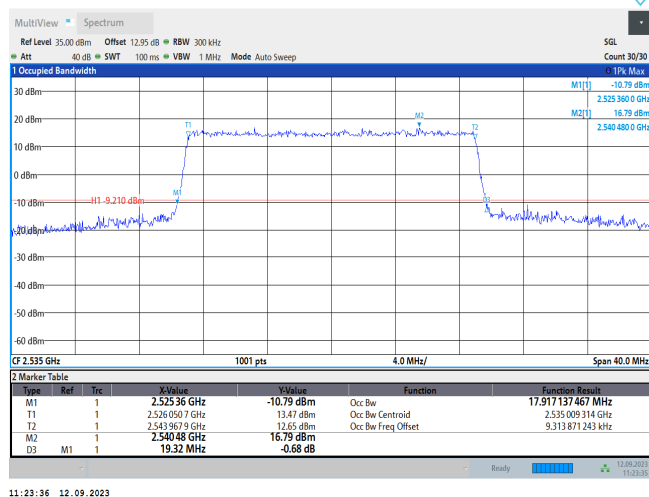
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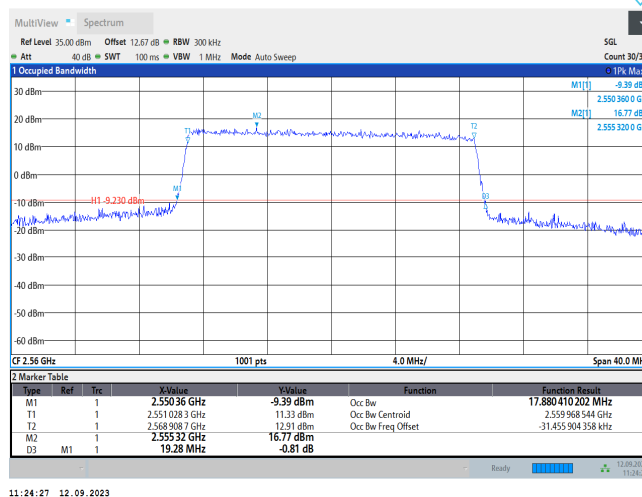
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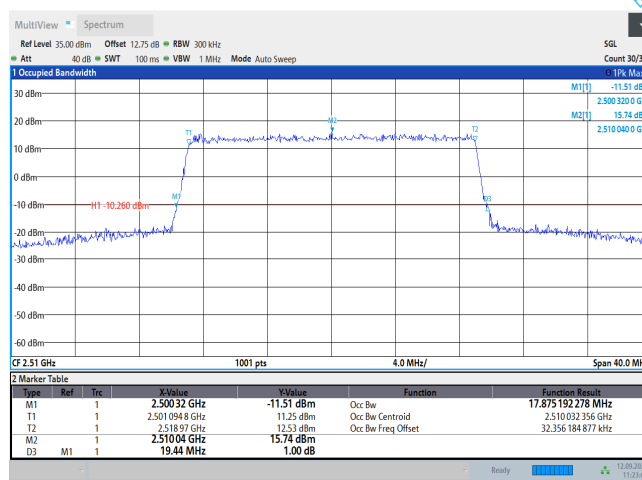
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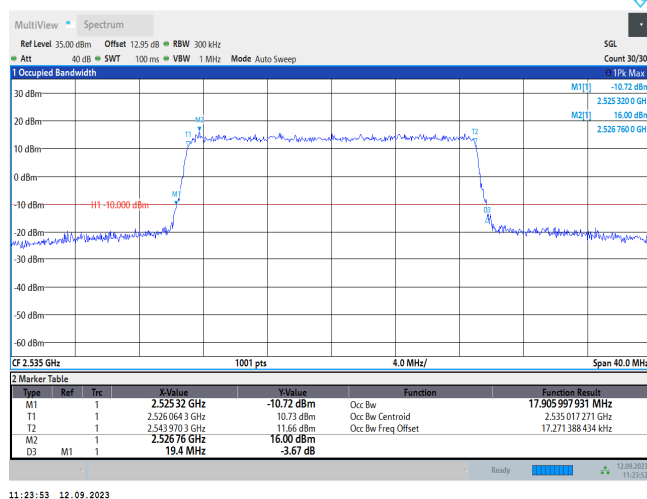
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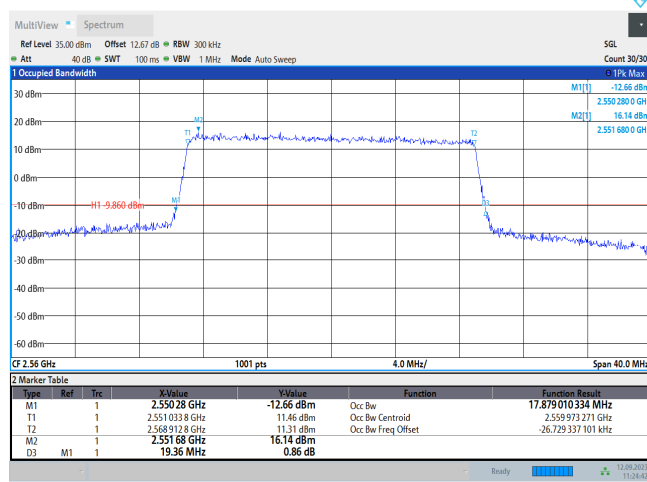
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Band7-20MHz-64QAM-21350-100RB#0



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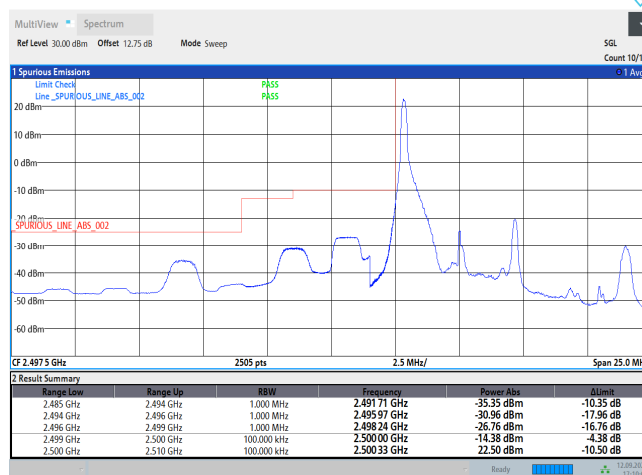


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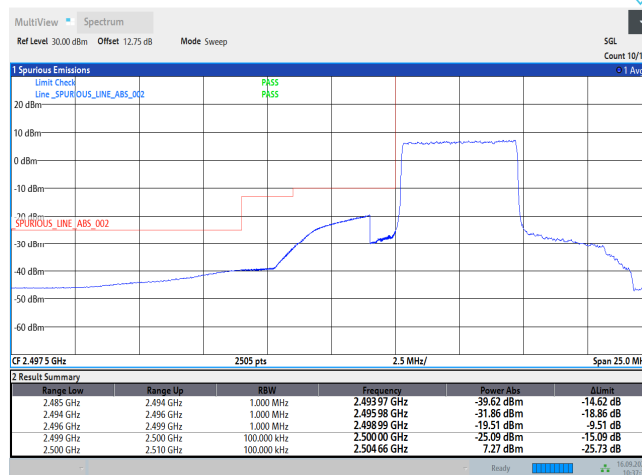
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Test Graphs

Band7-5MHz-QPSK-20775-1RB#0



Band7-5MHz-QPSK-20775-25RB#0



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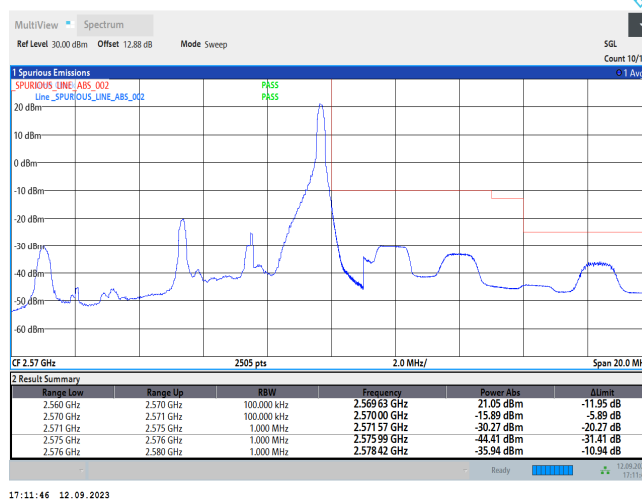
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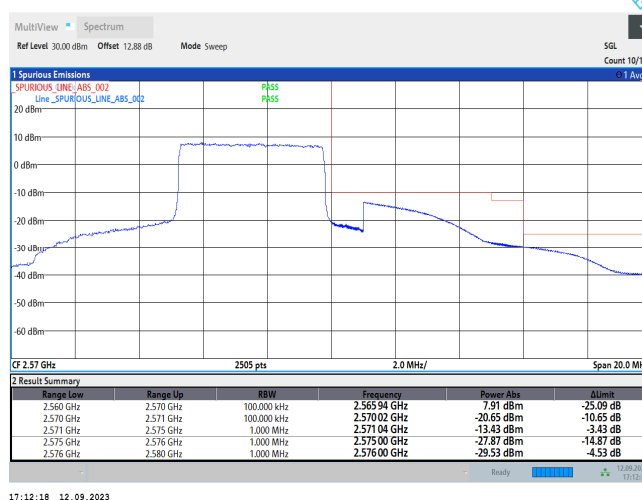
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Band7-5MHz-QPSK-21425-25RB#0



17:12:18 12.09.2023



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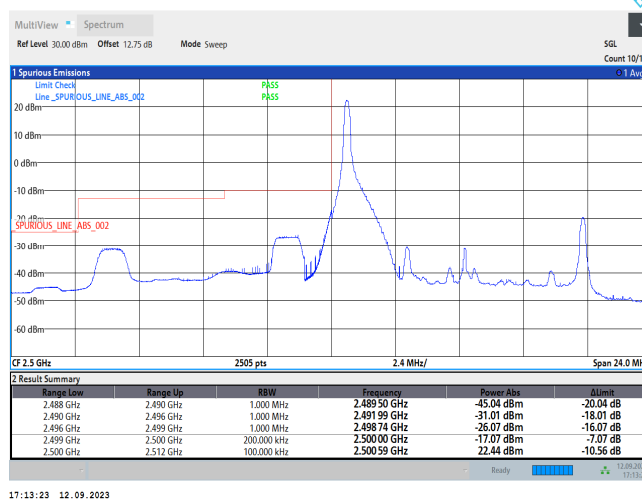
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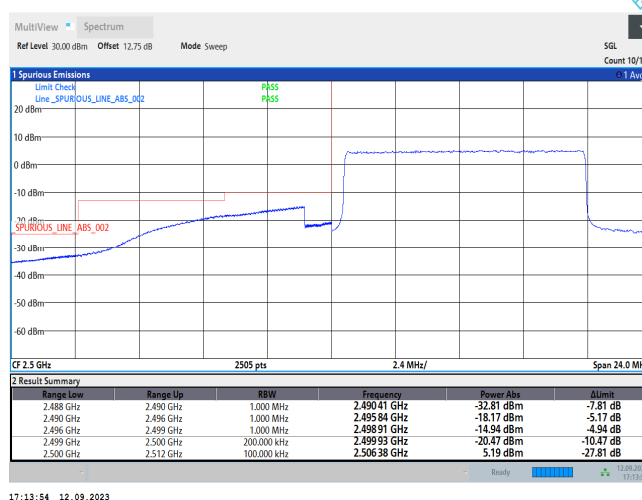
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Band7-10MHz-QPSK-20800-50RB#0



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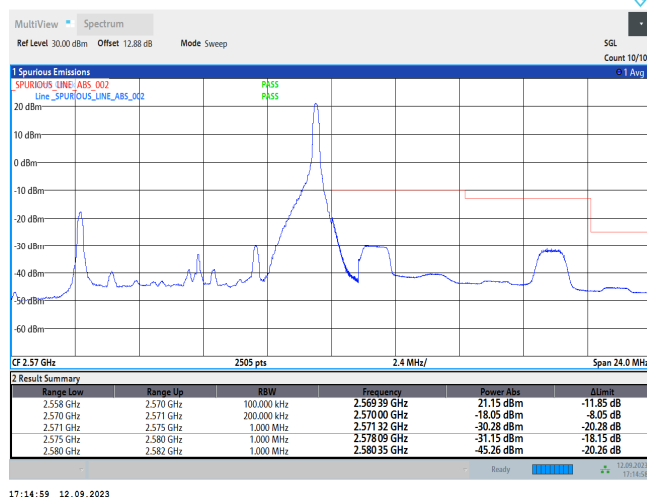


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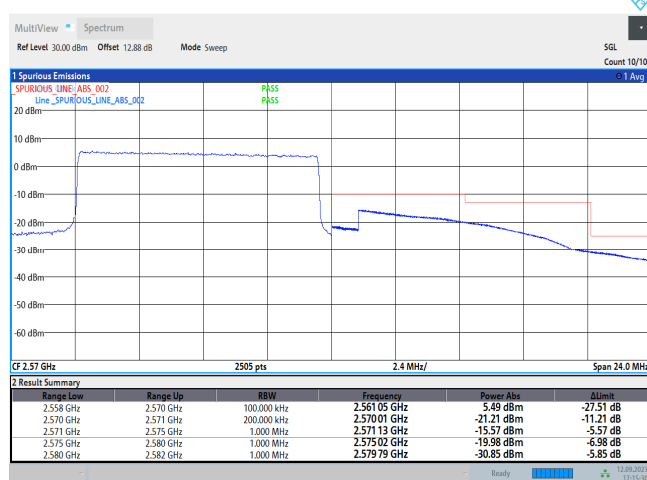
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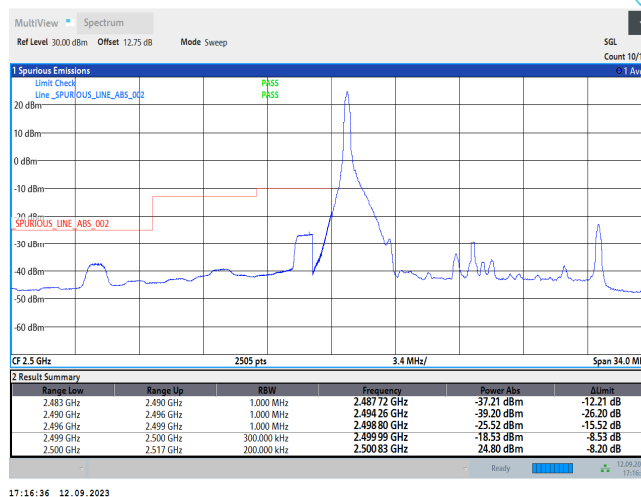
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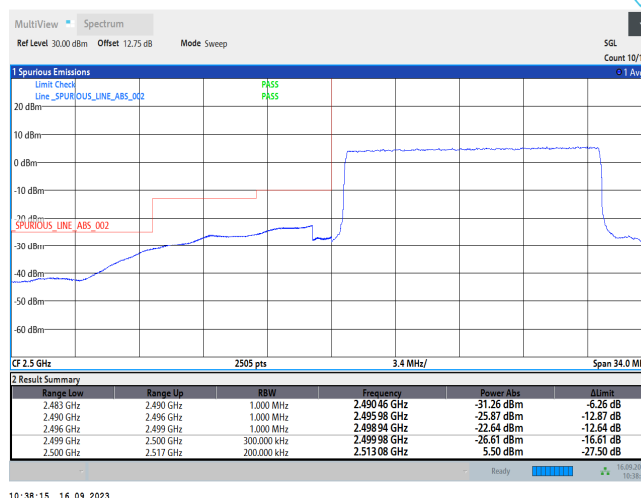
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Band7-15MHz-QPSK-20825-75RB#0



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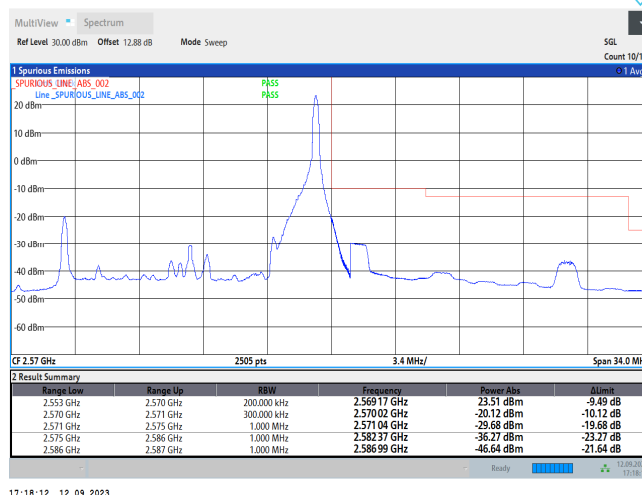
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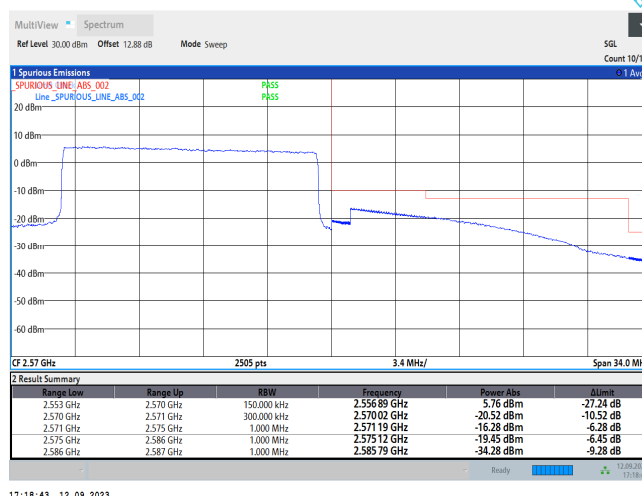
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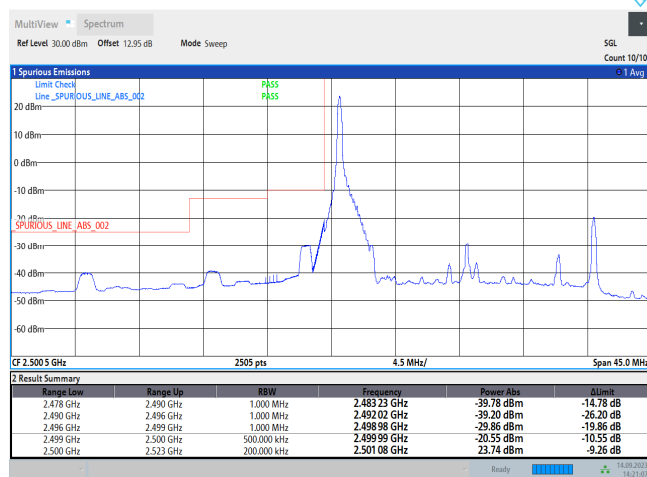


Report No.: XEWM2309000447RG01

Rev.: 01

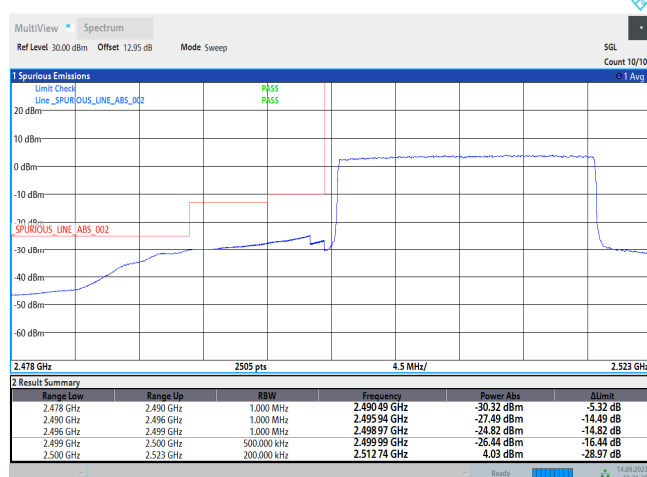
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Band7-20MHz-QPSK-20850-1RB#0



14:21:08 14.09.2023

Band7-20MHz-QPSK-20850-100RB#0



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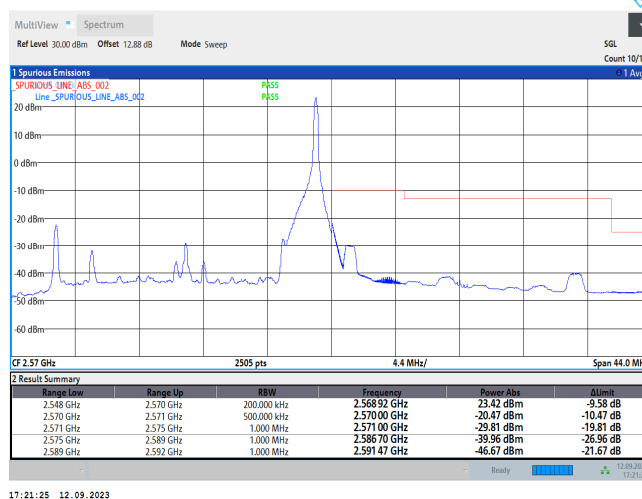
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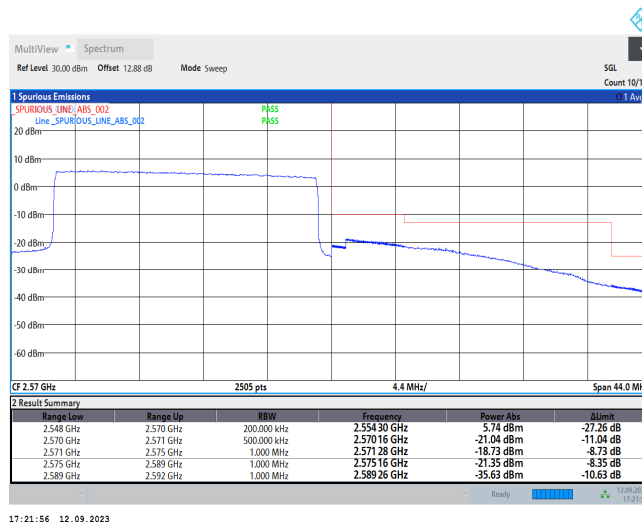
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Band7-20MHz-QPSK-21350-1RB#99



Band7-20MHz-QPSK-21350-100RB#0



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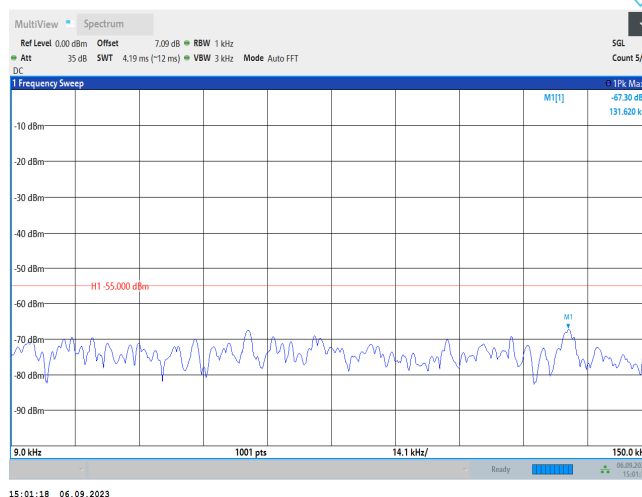


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Conducted Spurious Emission

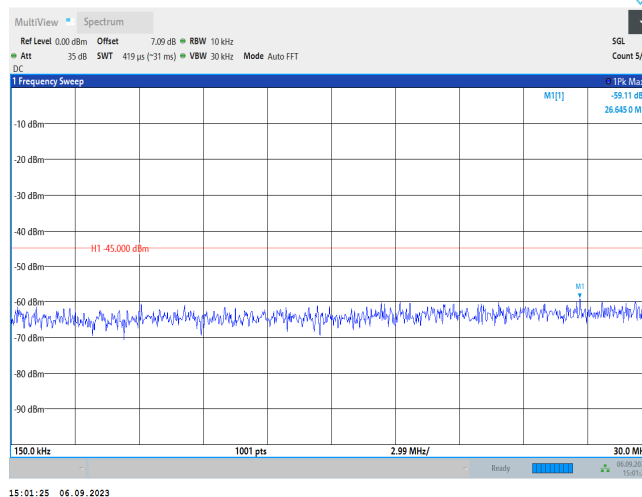
Test Graphs

Band7-20MHz-QPSK-20850-1RB#0-Range1:0.009~0.15MHz



15:01:18 06.09.2023

Band7-20MHz-QPSK-20850-1RB#0-Range2:0.15~30MHz



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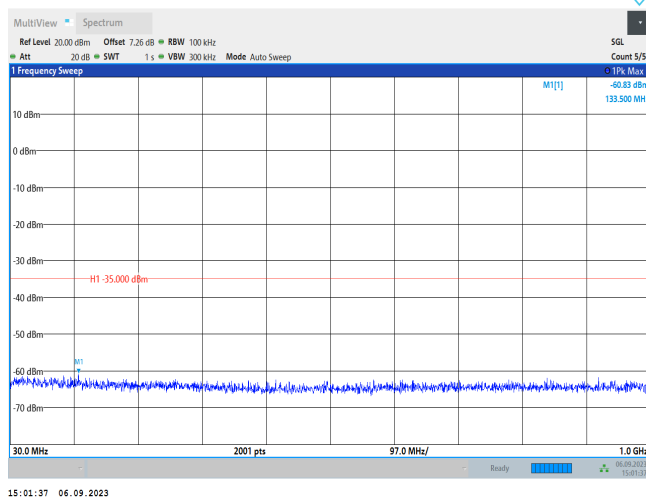
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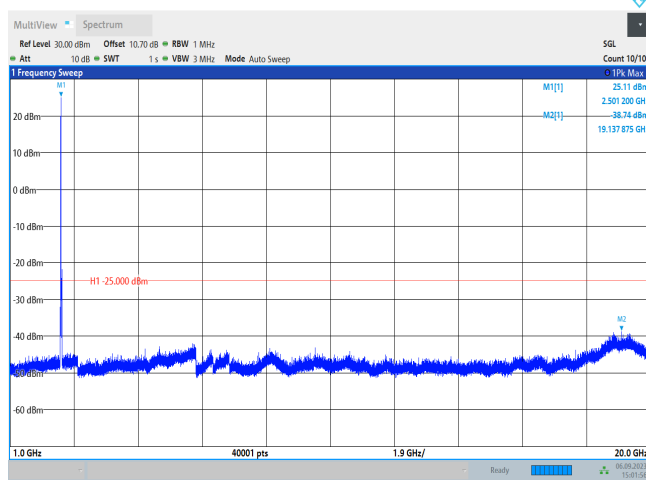
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Band7-20MHz-QPSK-20850-1RB#0-Range3:30~1000MHz



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Band7-20MHz-QPSK-20850-1RB#0-Range4:1000~20000MHz



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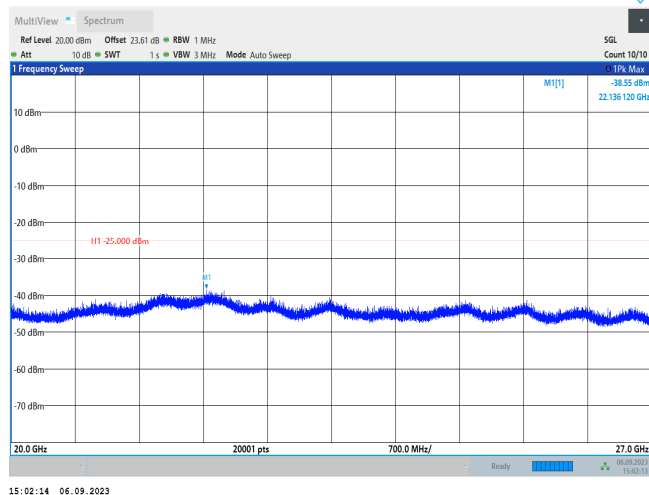
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Band7-20MHz-QPSK-20850-1RB#0-Range5:20000~27000MHz



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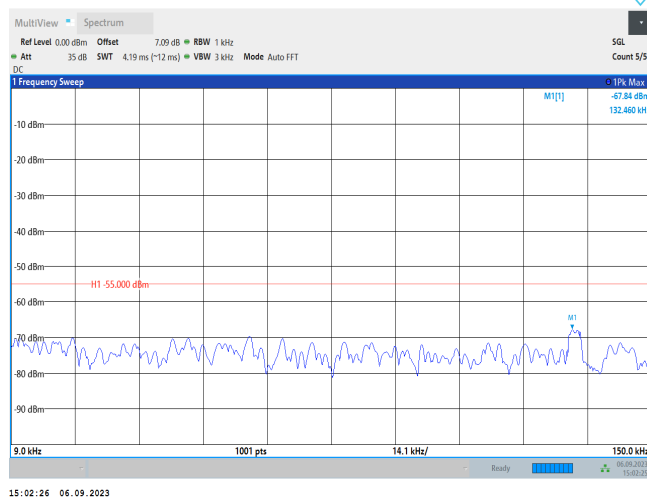


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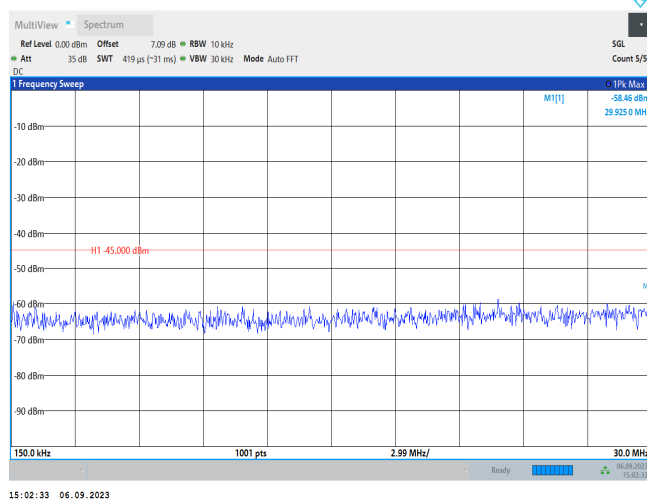
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Band7-20MHz-QPSK-21100-1RB#0-Range1:0.009~0.15MHz



Band7-20MHz-QPSK-21100-1RB#0-Range2:0.15~30MHz



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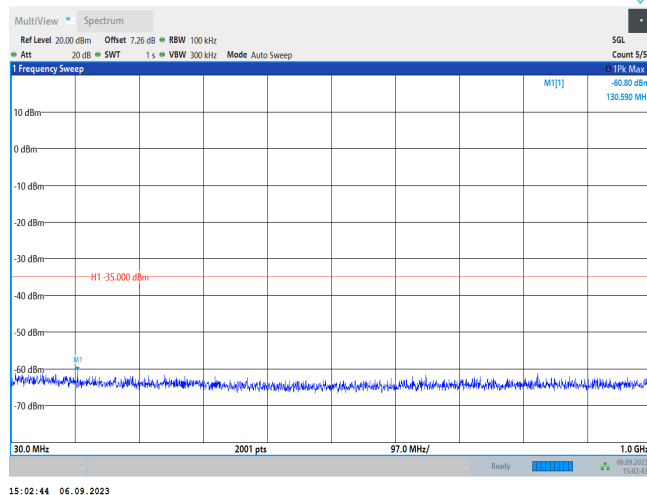
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Band7-20MHz-QPSK-21100-1RB#0-Range3:30~1000MHz



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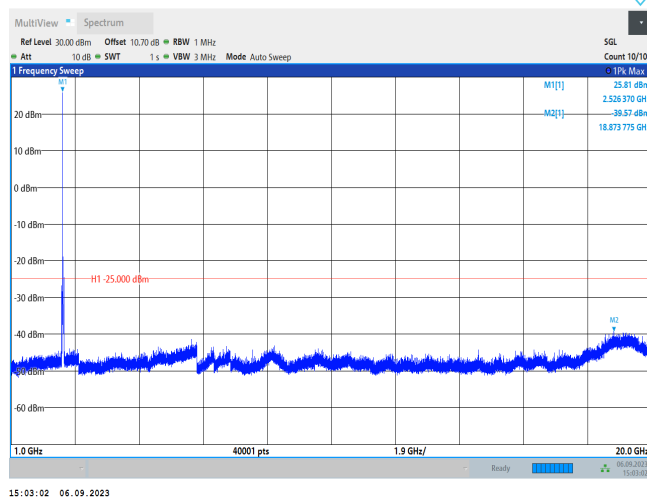
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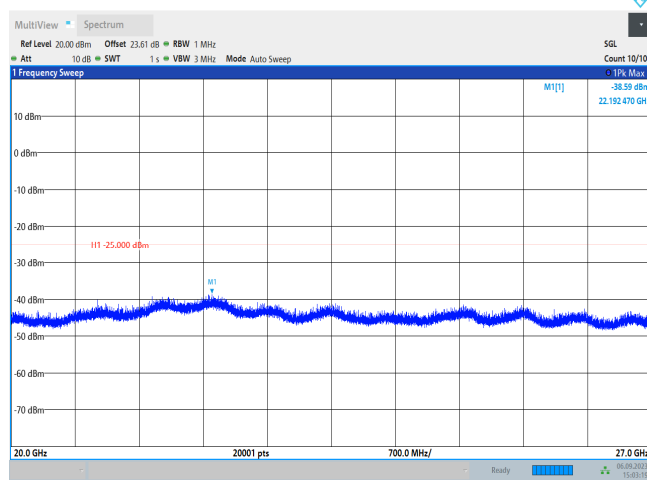
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Band7-20MHz-QPSK-21100-1RB#0-Range5:20000~27000MHz



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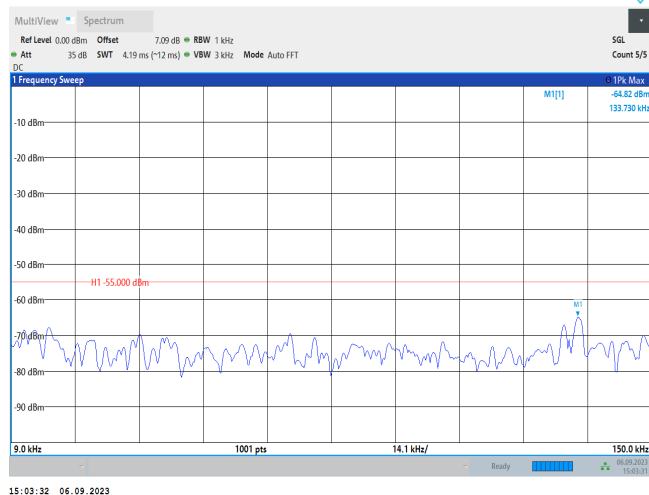
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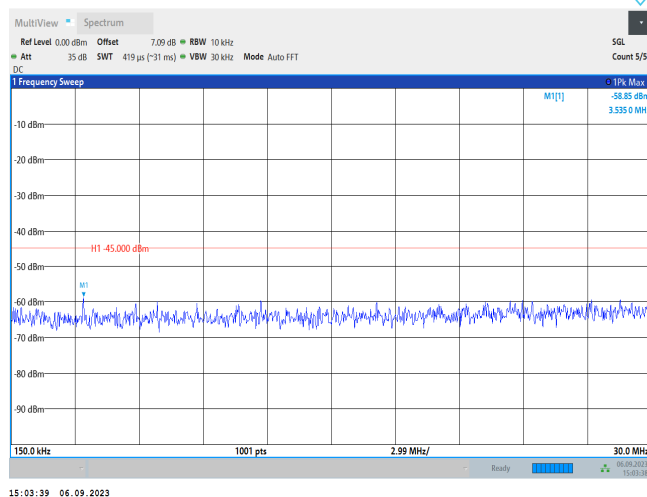


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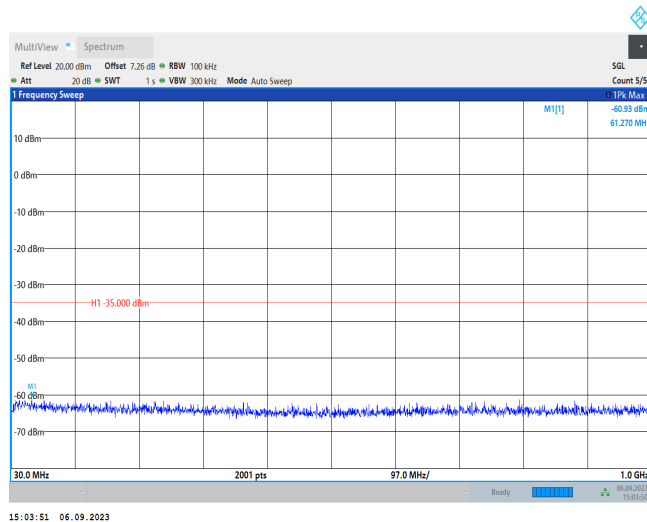
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Band7-20MHz-QPSK-21350-1RB#0-Range2:0.15~30MHz



Band7-20MHz-QPSK-21350-1RB#0-Range3:30~1000MHz



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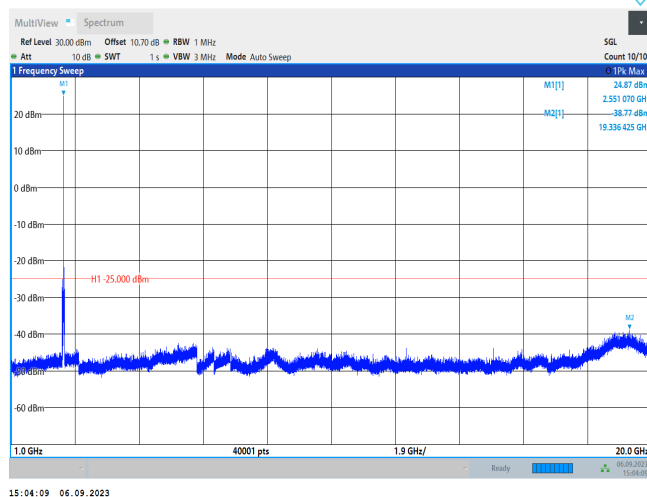
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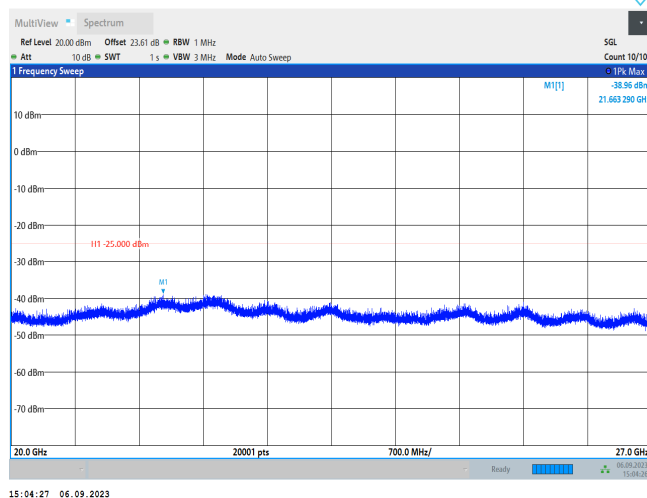
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Field Strength of Spurious Radiation

Test Band = LTE_7_20MHz

Test Channel = LCH

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3000	37.49	-21.77	28.60	-50.94	-25.00	25.94	Horizontal
2	4428	47.63	-43.28	30.10	-60.81	-25.00	35.81	Horizontal
3	5002	49.93	-42.72	31.22	-56.83	-25.00	31.83	Horizontal
4	7503.5	43.81	-38.31	36.87	-52.89	-25.00	27.89	Horizontal
5	11098	42.52	-37.58	40.20	-50.12	-25.00	25.12	Horizontal
6	16394	41.51	-34.85	38.78	-49.82	-25.00	24.82	Horizontal

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2997	37.67	-21.77	28.58	-50.78	-25.00	25.78	Vertical
2	5002	55.29	-42.72	31.22	-51.47	-25.00	26.47	Vertical
3	7503.5	48.12	-38.31	36.87	-48.58	-25.00	23.58	Vertical
4	10004.5	46.57	-37.59	38.70	-47.58	-25.00	22.58	Vertical
5	13588.5	42.30	-37.86	40.08	-50.74	-25.00	25.74	Vertical
6	17991	40.54	-43.11	48.04	-49.79	-25.00	24.79	Vertical

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Test Band = LTE_7_20MHz
Test Channel = MCH

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2991	37.42	-21.78	28.55	-51.07	-25.00	26.07	Horizontal
2	5052	53.00	-42.62	31.60	-53.28	-25.00	28.28	Horizontal
3	7578	46.01	-38.70	36.62	-51.33	-25.00	26.33	Horizontal
4	11100	42.79	-37.59	40.20	-49.86	-25.00	24.86	Horizontal
5	13640	42.35	-37.91	40.14	-50.68	-25.00	25.68	Horizontal
6	16352.5	41.59	-35.08	38.66	-50.09	-25.00	25.09	Horizontal

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2996	37.39	-21.78	28.58	-51.07	-25.00	26.07	Vertical
2	5052	54.13	-42.62	31.60	-52.15	-25.00	27.15	Vertical
3	7578.5	45.30	-38.70	36.63	-52.03	-25.00	27.03	Vertical
4	10104.5	44.13	-37.56	38.80	-49.89	-25.00	24.89	Vertical
5	11100	42.69	-37.59	40.20	-49.96	-25.00	24.96	Vertical
6	17994.5	40.68	-43.08	48.10	-49.56	-25.00	24.56	Vertical



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Test Band = LTE_7_20MHz
Test Channel = HCH

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2997.5	37.72	-21.77	28.59	-50.72	-25.00	25.72	Horizontal
2	5102	52.39	-42.52	31.51	-53.88	-25.00	28.88	Horizontal
3	7428.5	43.70	-38.28	36.76	-53.08	-25.00	28.08	Horizontal
4	9905.5	41.79	-35.10	38.61	-49.96	-25.00	24.96	Horizontal
5	13557	42.61	-37.90	40.01	-50.54	-25.00	25.54	Horizontal
6	16400.5	41.71	-34.82	38.80	-49.57	-25.00	24.57	Horizontal

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2999	37.33	-21.77	28.59	-51.11	-25.00	26.11	Vertical
2	5102	55.24	-42.52	31.51	-51.03	-25.00	26.03	Vertical
3	7400.5	43.74	-38.28	36.70	-53.10	-25.00	28.10	Vertical
4	9913.5	41.87	-35.32	38.61	-50.10	-25.00	25.10	Vertical
5	13646	42.32	-37.92	40.15	-50.71	-25.00	25.71	Vertical
6	16362.5	41.52	-35.03	38.69	-50.08	-25.00	25.08	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)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-11.14	-0.004394	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-9.23	-0.003641	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-9.54	-0.003763	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-18.00	-0.007101	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-8.18	-0.003227	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-6.92	-0.002730	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	10.36	0.004087	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	7.11	0.002805	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-12.27	-0.004840	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-9.47	-0.003736	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	9.98	0.003937	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-8.88	-0.003503	PASS

---End of Attachment---



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