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Appendix B.6

LTE Band 7



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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	22.40	23.20	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.56	23.36	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.22	23.02	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.42	22.22	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.38	23.18	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.55	23.35	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.29	23.09	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.42	22.22	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.41	23.21	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.70	23.50	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.33	23.13	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.49	22.29	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.61	22.41	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.81	22.61	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.62	22.42	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.49	21.29	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.62	22.42	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.94	22.74	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.54	22.34	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.47	21.27	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.74	22.54	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.96	22.76	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.61	22.41	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.55	21.35	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	20.69	21.49	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	20.81	21.61	33.00	PASS



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Band7	5MHz	64QAM	20775	1RB#24	20.46	21.26	33.00	PASS
Band7	5MHz	64QAM	20775	25RB#0	19.50	20.30	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	20.67	21.47	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	20.82	21.62	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	20.49	21.29	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	19.48	20.28	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	20.68	21.48	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	20.93	21.73	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	20.59	21.39	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	19.53	20.33	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.45	23.25	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.51	23.31	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.22	23.02	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.40	22.20	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.49	23.29	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.59	23.39	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.31	23.11	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.56	22.36	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.53	23.33	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.69	23.49	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.41	23.21	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.61	22.41	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.84	22.64	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.86	22.66	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.46	22.26	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.47	21.27	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.77	22.57	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.87	22.67	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.65	22.45	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.58	21.38	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.90	22.70	33.00	PASS



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Band7	10MHz	16QAM	21400	1RB#24	21.97	22.77	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.69	22.49	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.65	21.45	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	20.72	21.52	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	20.77	21.57	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	20.43	21.23	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	19.47	20.27	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	20.71	21.51	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#24	20.87	21.67	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	20.54	21.34	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	19.58	20.38	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	20.84	21.64	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	20.94	21.74	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	20.67	21.47	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	19.67	20.47	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.32	23.12	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.28	23.08	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.03	22.83	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.28	22.08	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.40	23.20	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.44	23.24	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.13	22.93	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.41	22.21	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.41	23.21	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.57	23.37	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.25	23.05	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.54	22.34	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.65	22.45	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.53	22.33	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.39	22.19	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.33	21.13	33.00	PASS



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Band7	15MHz	16QAM	21100	1RB#0	21.79	22.59	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.72	22.52	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.49	22.29	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.49	21.29	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.65	22.45	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.94	22.74	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.44	22.24	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.59	21.39	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	20.56	21.36	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	20.48	21.28	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	20.33	21.13	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	19.34	20.14	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	20.62	21.42	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	20.74	21.54	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	20.36	21.16	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	19.46	20.26	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	20.64	21.44	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#38	20.83	21.63	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	20.50	21.30	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	19.56	20.36	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.25	23.05	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.37	23.17	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	21.99	22.79	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.30	22.10	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.28	23.08	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.54	23.34	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	21.99	22.79	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.47	22.27	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.23	23.03	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.65	23.45	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.08	22.88	33.00	PASS



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Band7	20MHz	16QAM	20850	1RB#0	21.54	22.34	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.65	22.45	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.40	22.20	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.34	21.14	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.50	22.30	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.92	22.72	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.36	22.16	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.52	21.32	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.54	22.34	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.99	22.79	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.30	22.10	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.61	21.41	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	20.42	21.22	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	20.63	21.43	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	20.26	21.06	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	19.32	20.12	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	20.56	21.36	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	20.81	21.61	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	20.25	21.05	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	19.53	20.33	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#0	20.41	21.21	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#49	20.87	21.67	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	20.32	21.12	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	19.60	20.40	33.00	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.98	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	6.00	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.88	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.76	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.76	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.68	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.96	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	7.04	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.92	13	PASS



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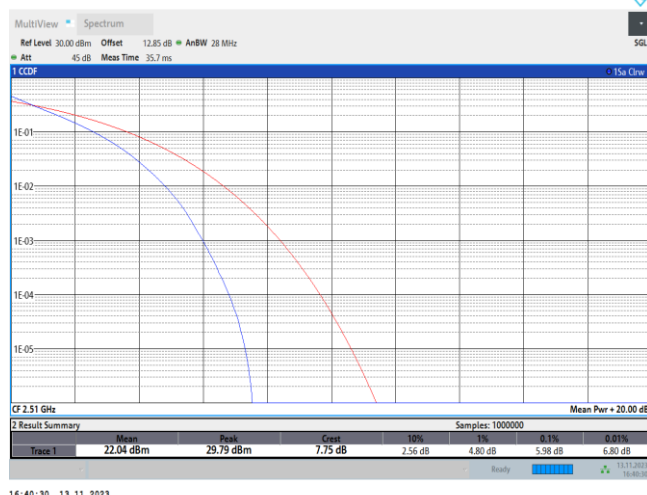
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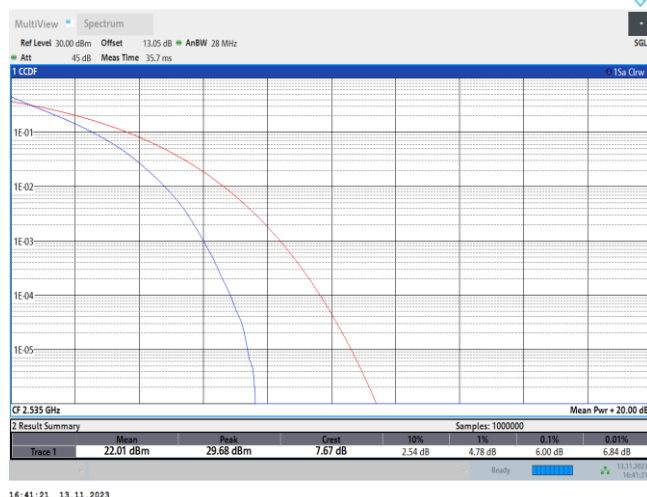
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Test Graphs

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



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



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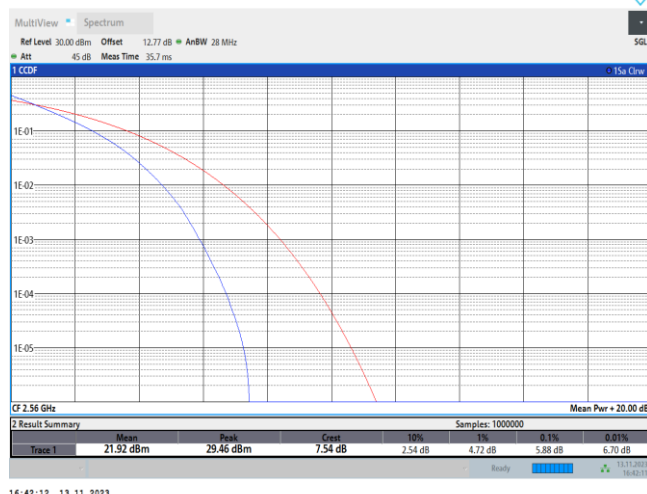
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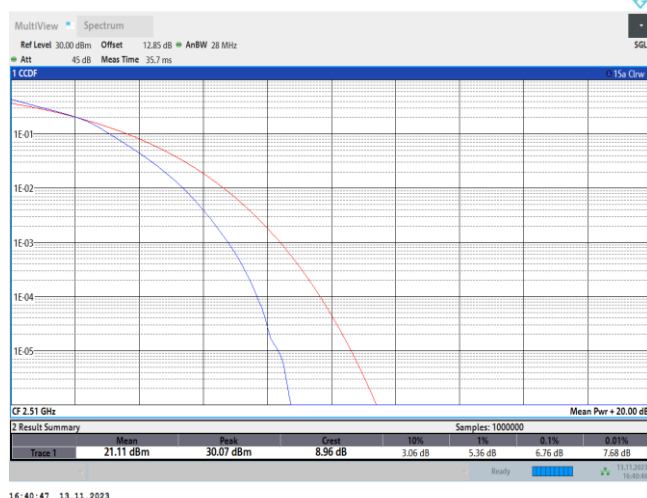
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Band7-20MHz-QPSK-21350-100RB#0



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



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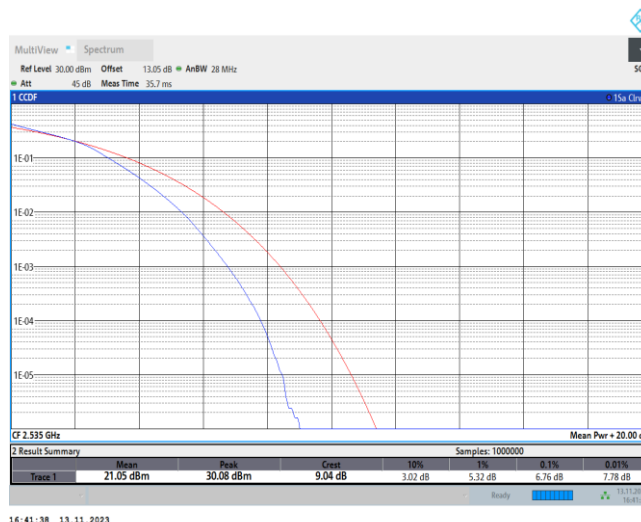
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Band7-20MHz-16QAM-21100-100RB#0



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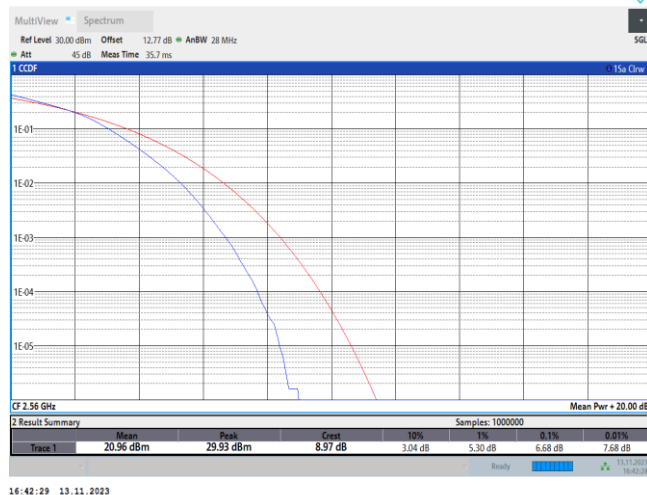
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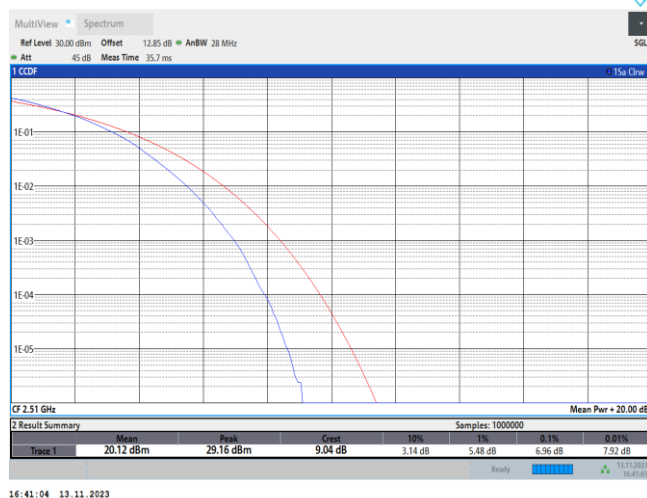
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Band7-20MHz-16QAM-21350-100RB#0



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



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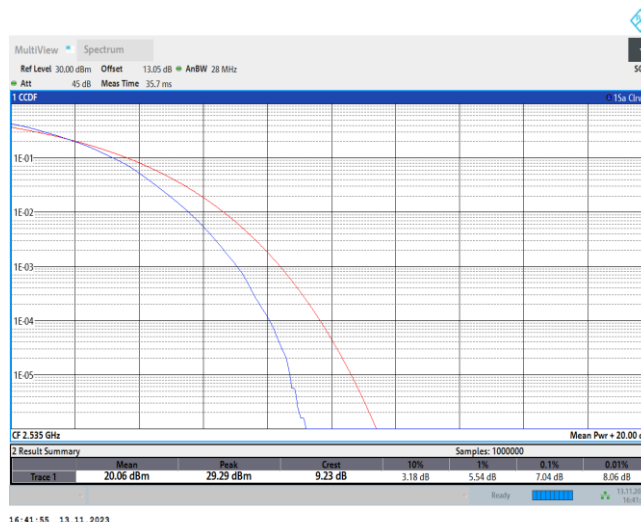
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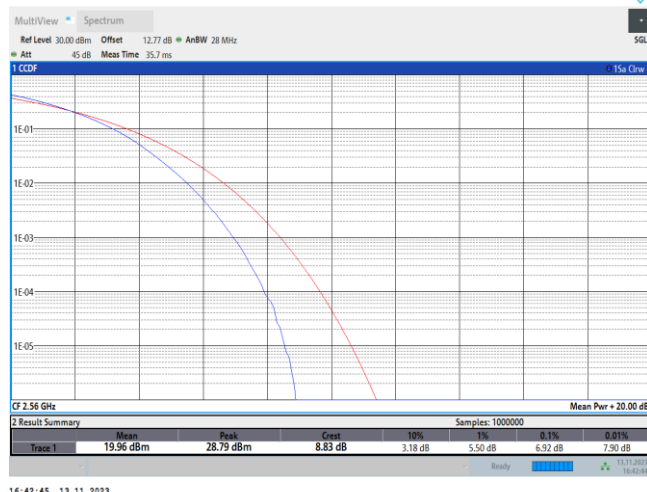
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Band7-20MHz-64QAM-21350-100RB#0



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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	4.47	4.83	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.472	4.82	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.473	4.83	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.467	4.85	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.473	4.85	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.472	4.85	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.473	4.87	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.48	4.85	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.481	4.87	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.934	9.60	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.941	9.63	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.938	9.60	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.925	9.60	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.931	9.60	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.922	9.63	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.939	9.63	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.94	9.60	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.935	9.57	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.481	14.70	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.499	14.75	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.478	14.70	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.478	14.70	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.462	14.65	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.448	14.70	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.439	14.75	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.457	14.75	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.451	14.78	PASS



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Band7	20MHz	QPSK	20850	100RB#0	17.969	19.33	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.974	19.33	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.995	19.60	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.942	19.33	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.92	19.40	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.928	19.20	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.937	19.33	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.95	19.33	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.906	19.27	PASS



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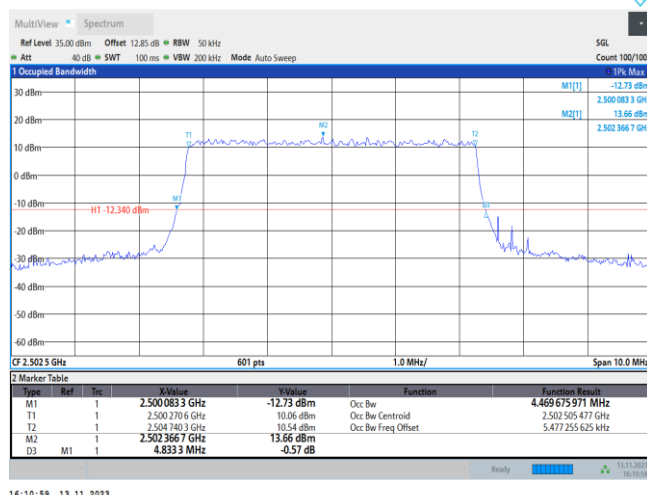
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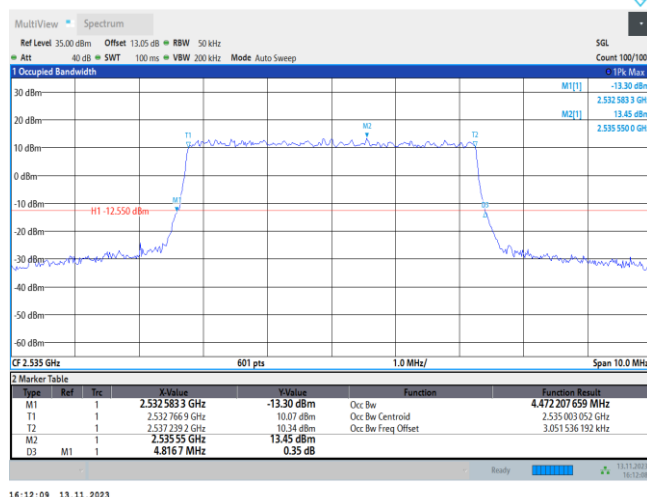
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Test Graphs

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



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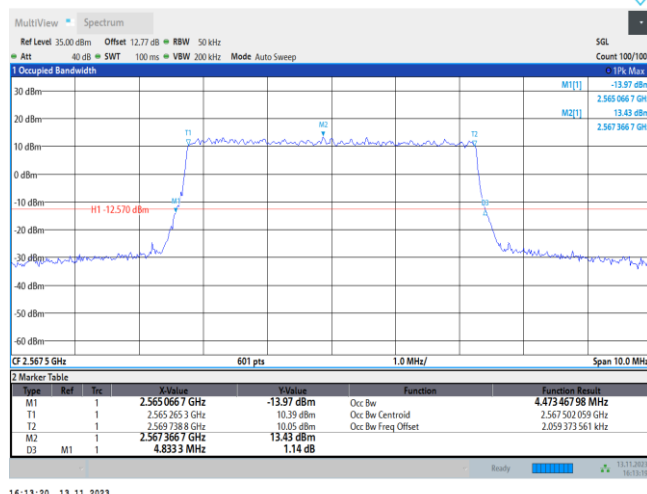
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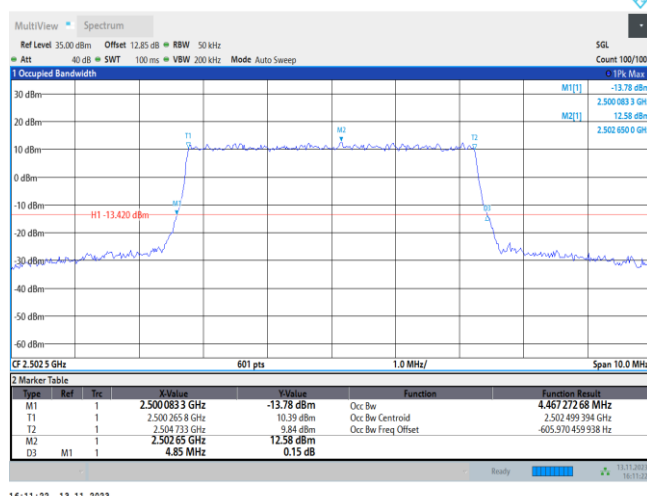
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Band7-5MHz-QPSK-21425-25RB#0



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



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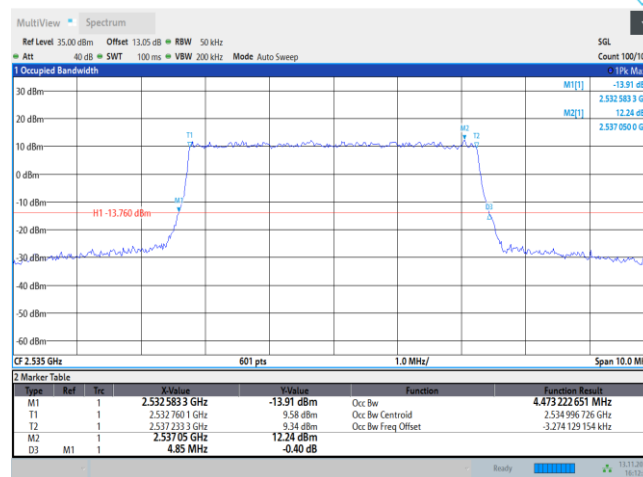
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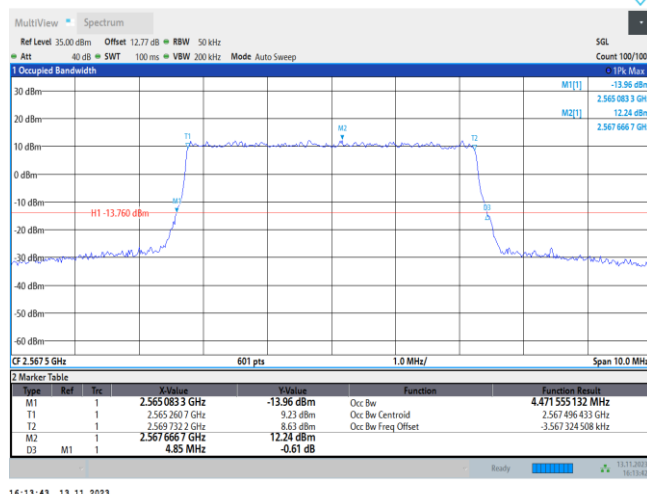
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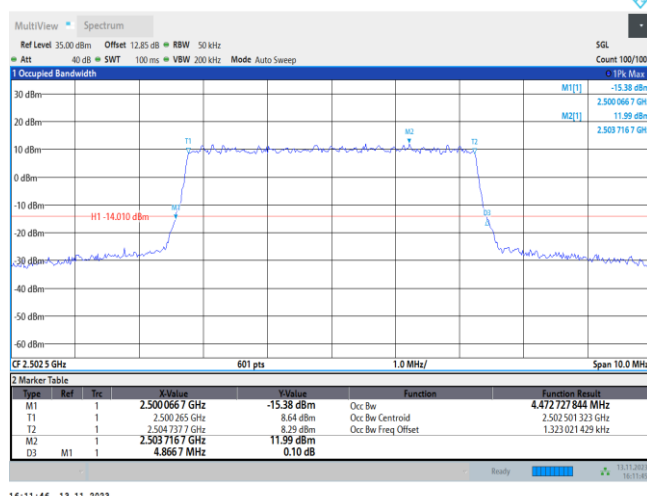
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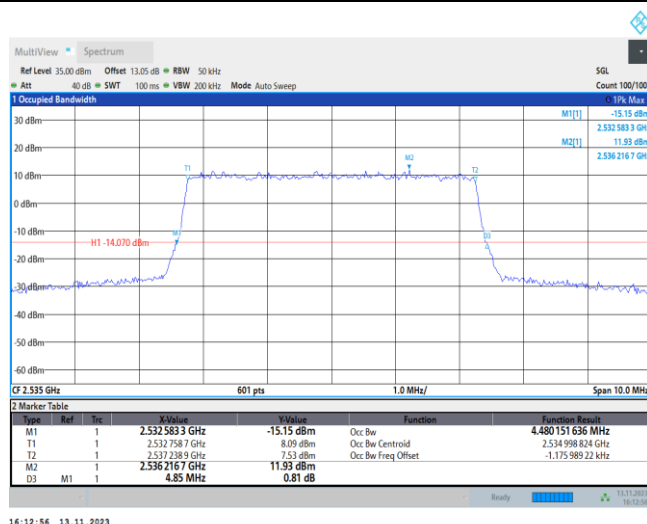
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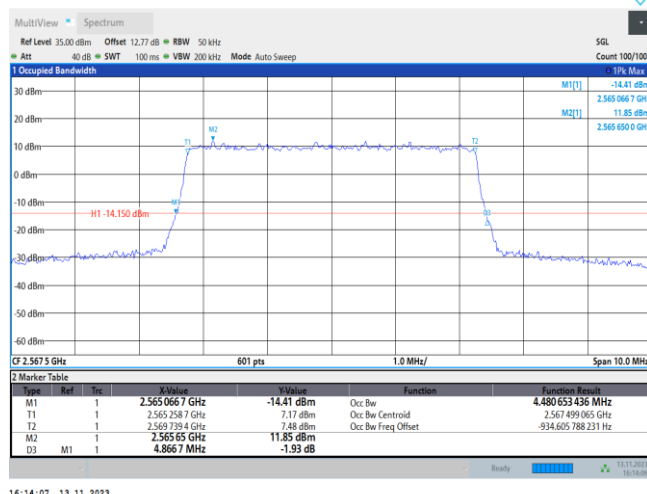
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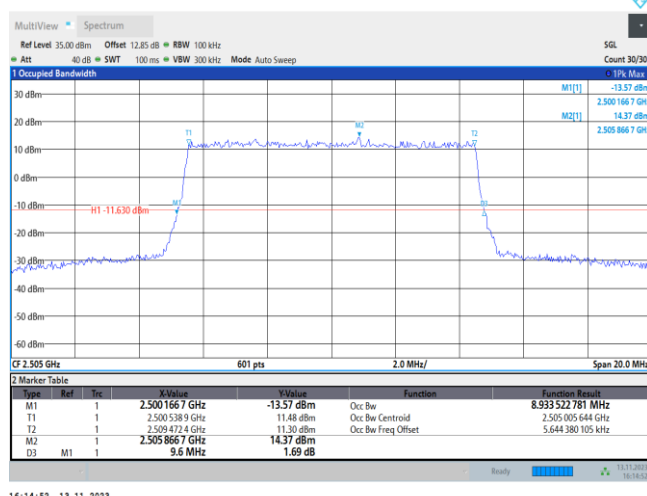
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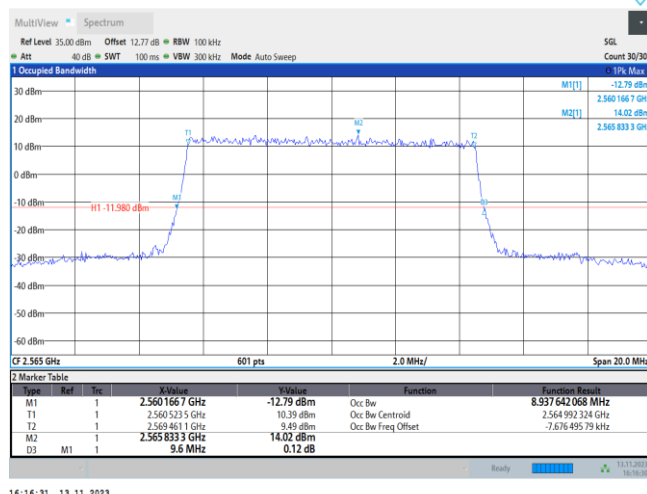
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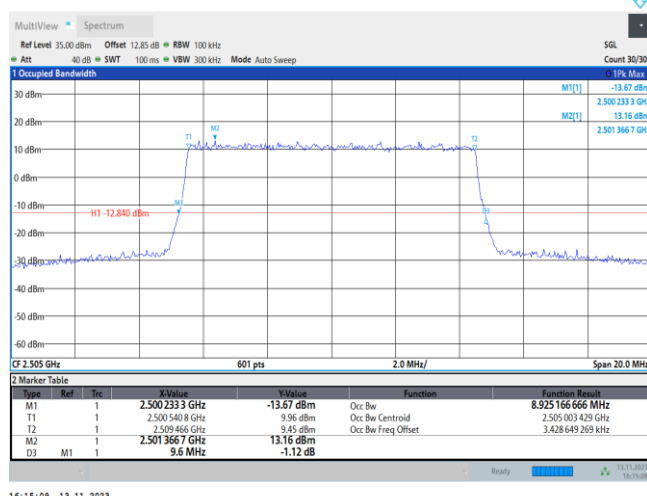
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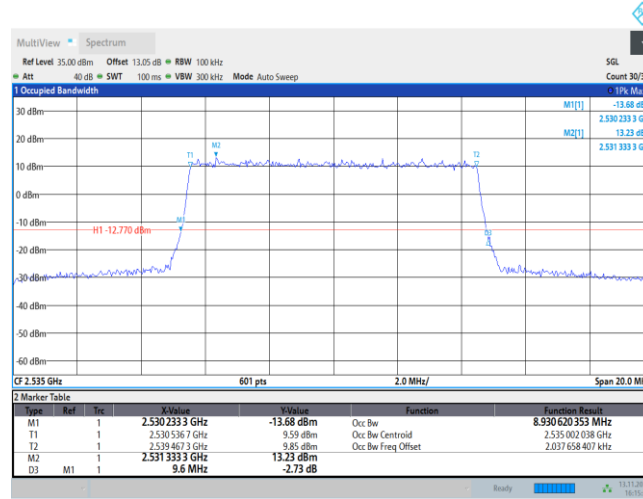
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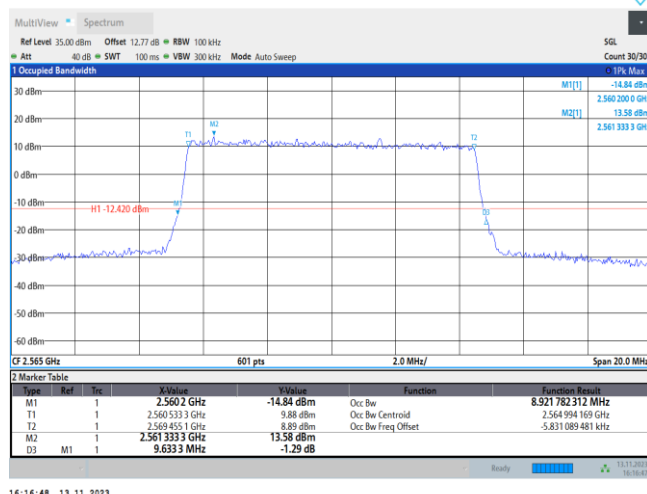
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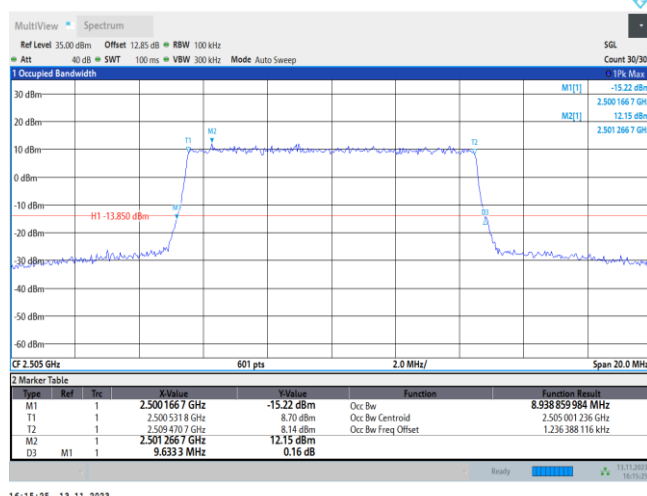
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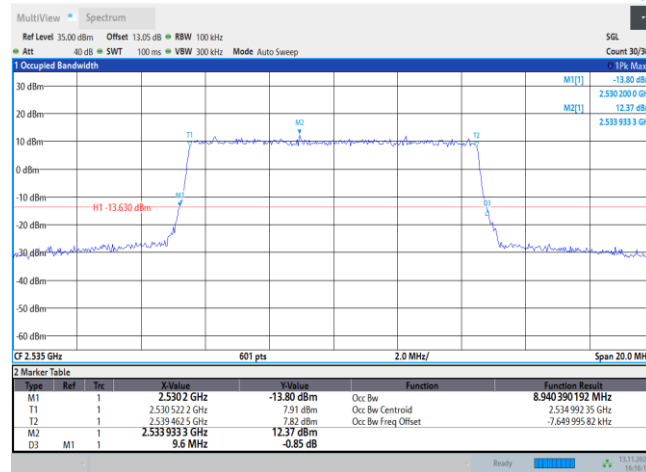
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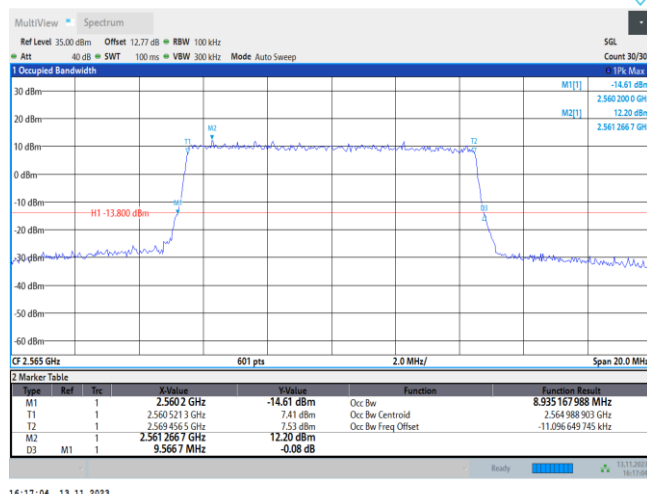
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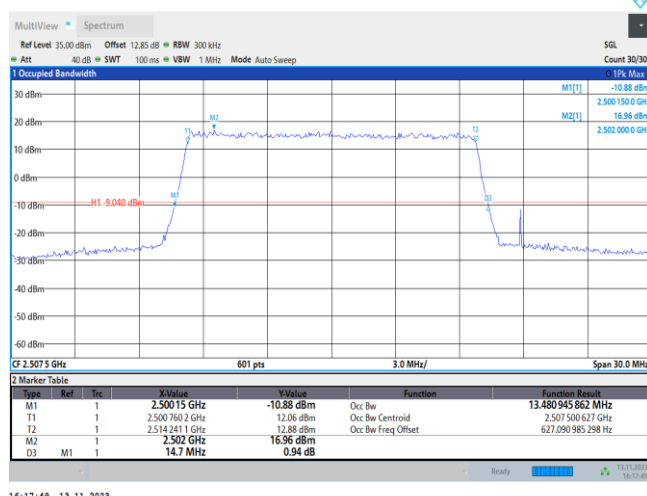
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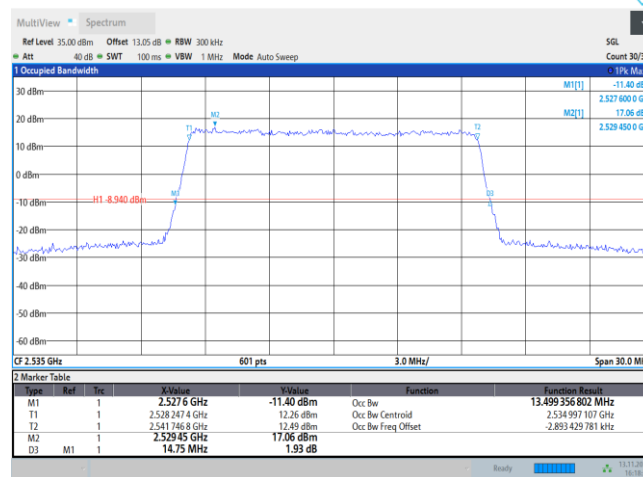
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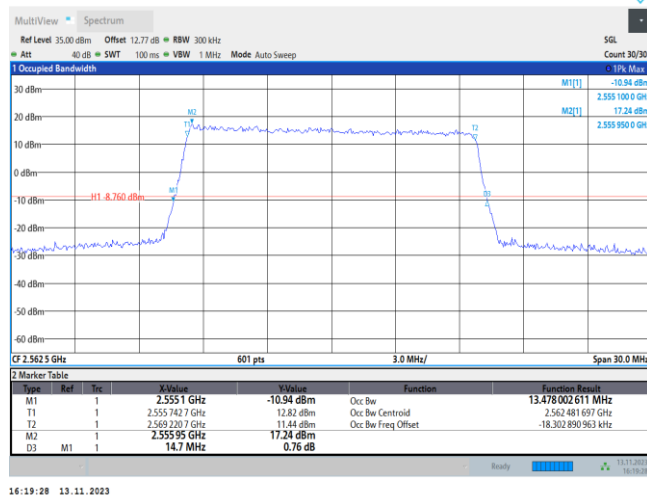
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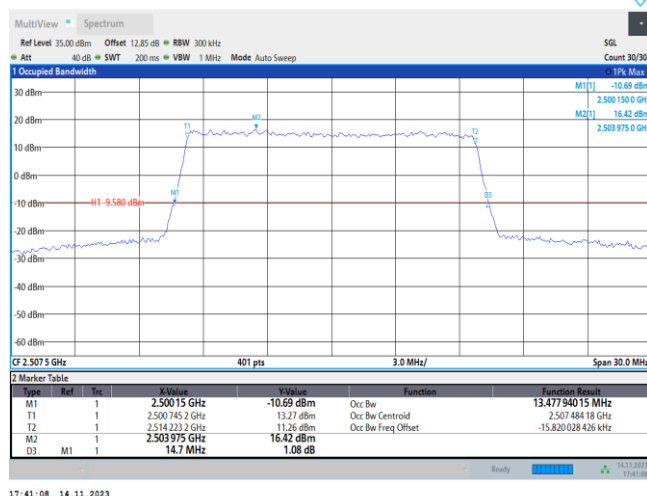
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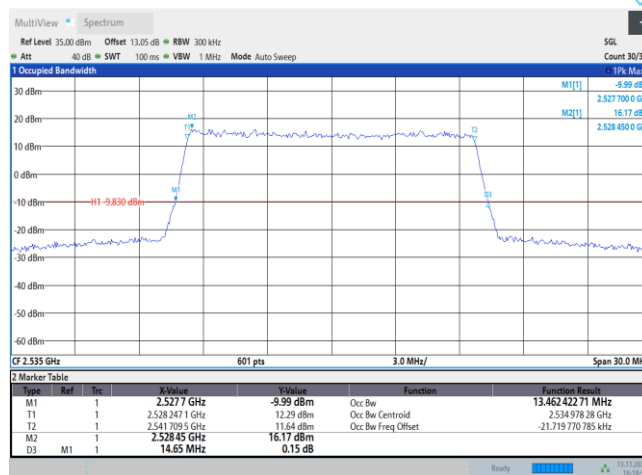
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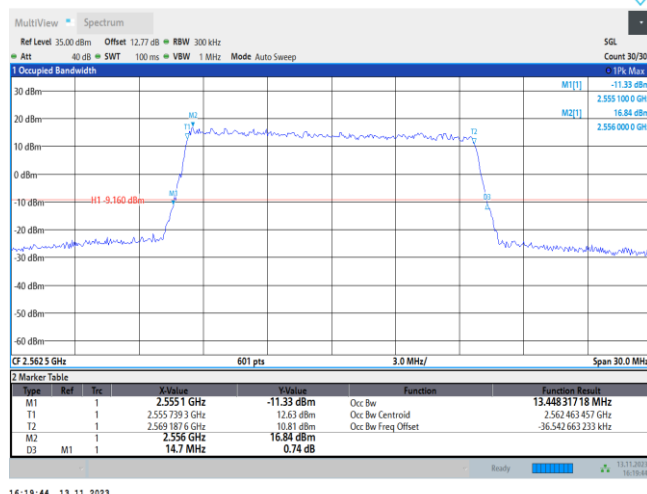
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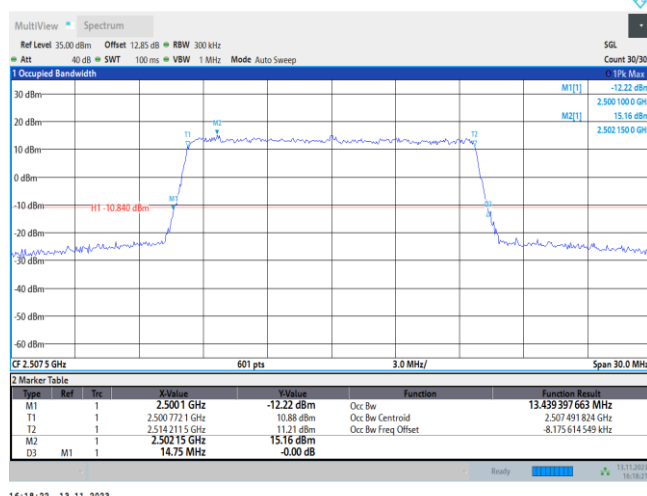
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Band7-15MHz-64QAM-20825-75RB#0



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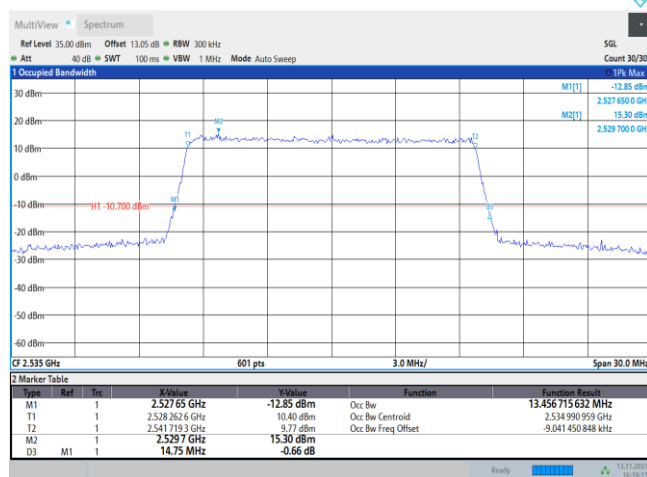
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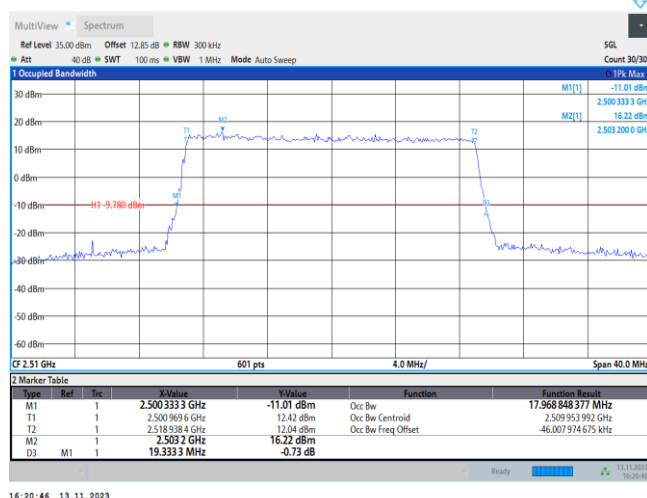
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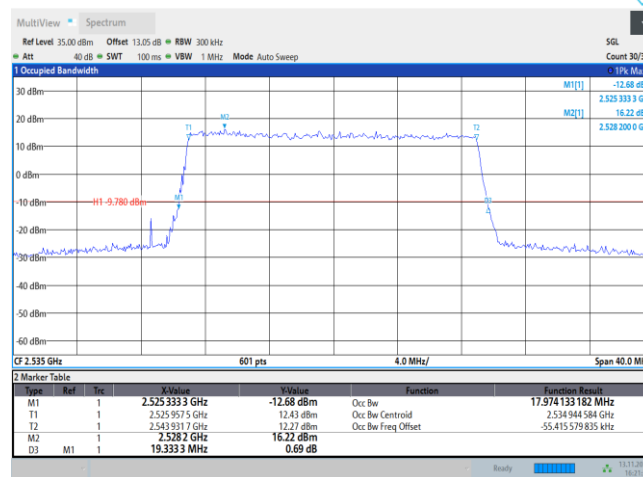
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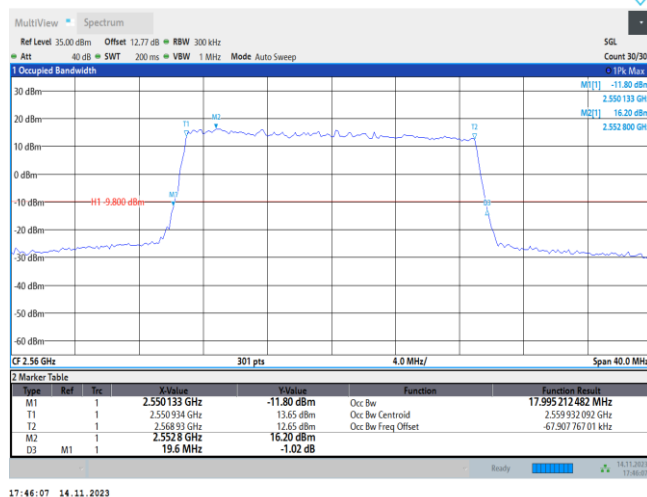
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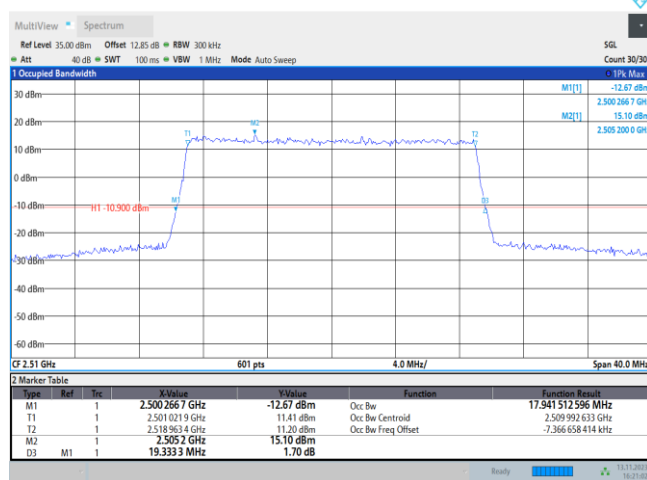
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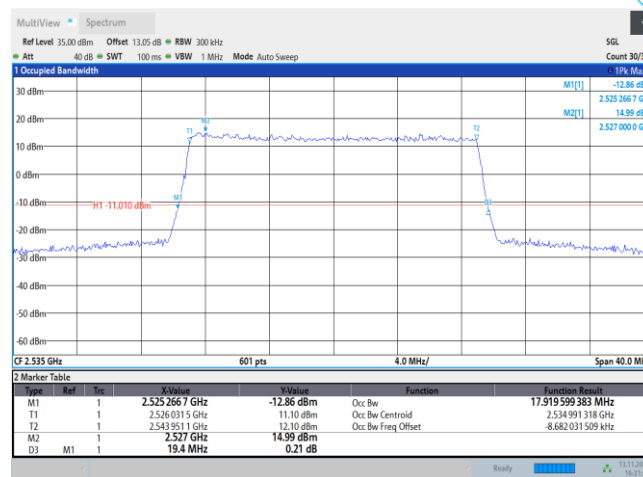
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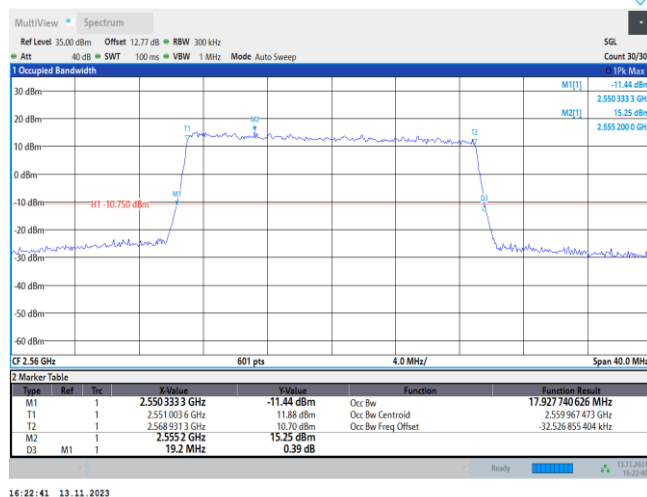
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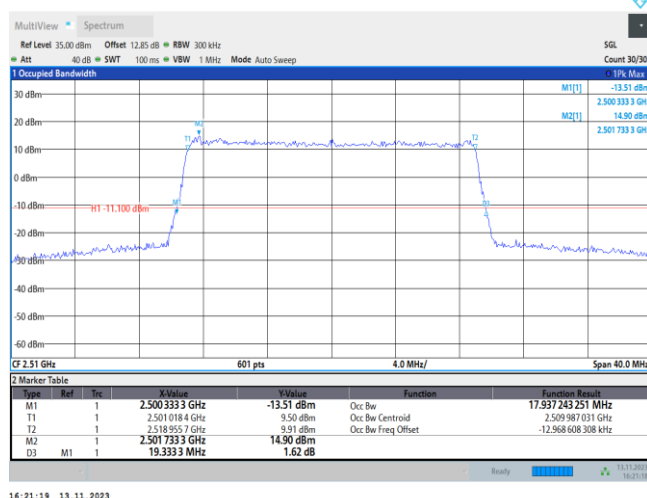
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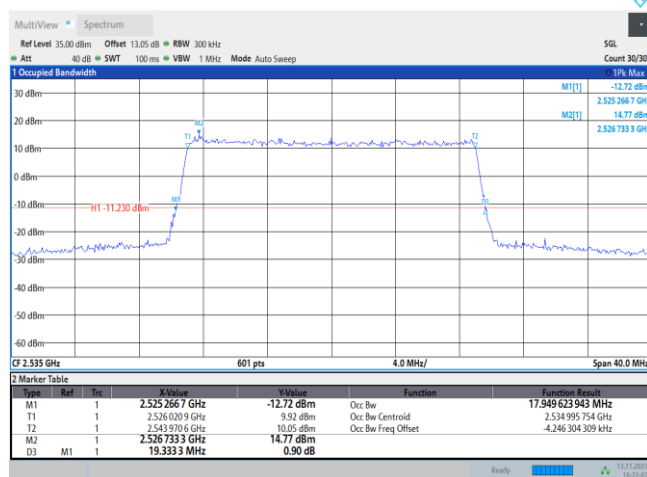
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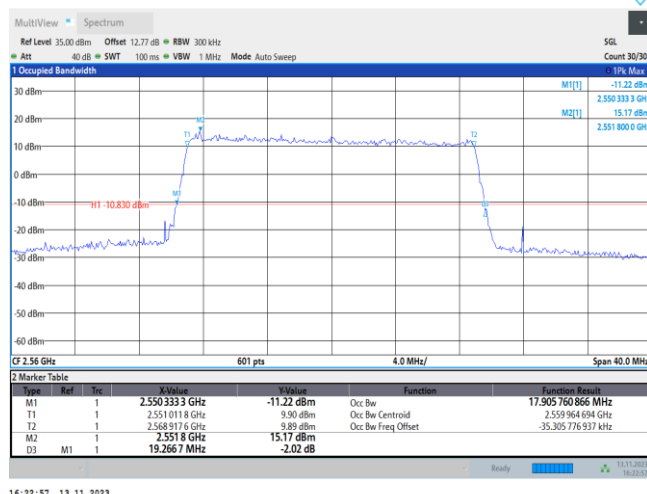
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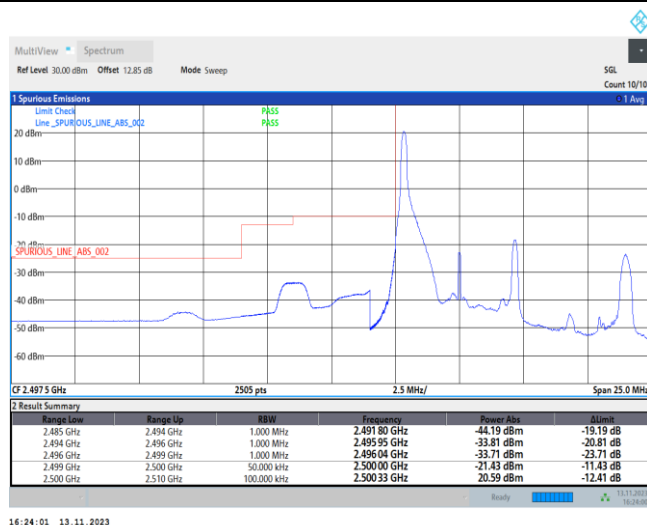
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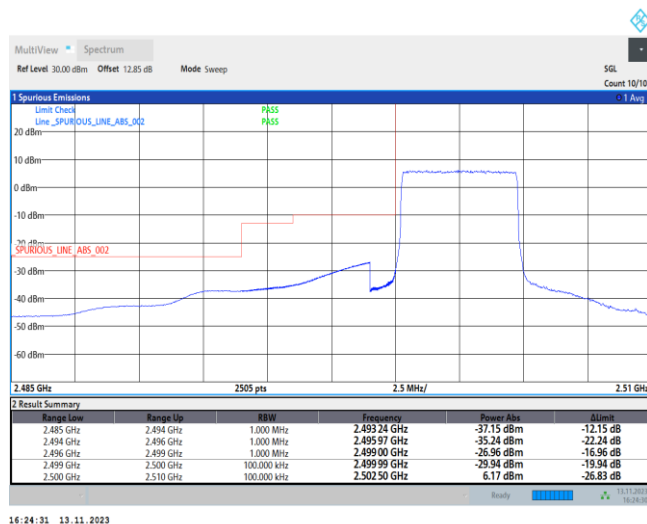
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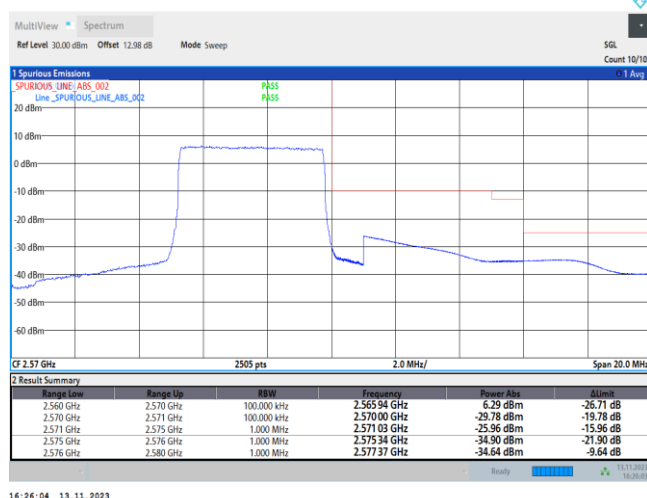
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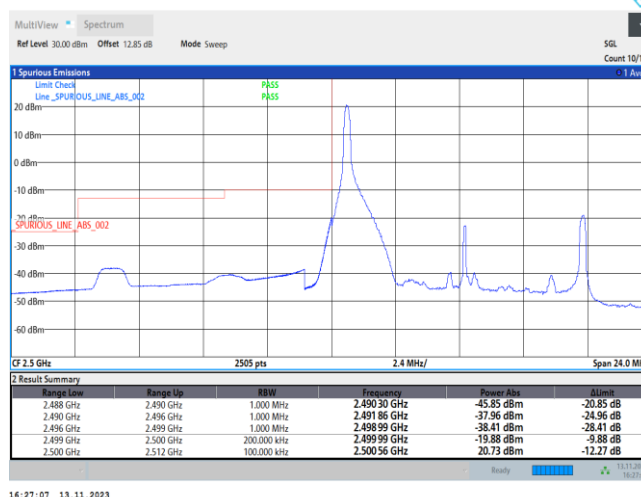
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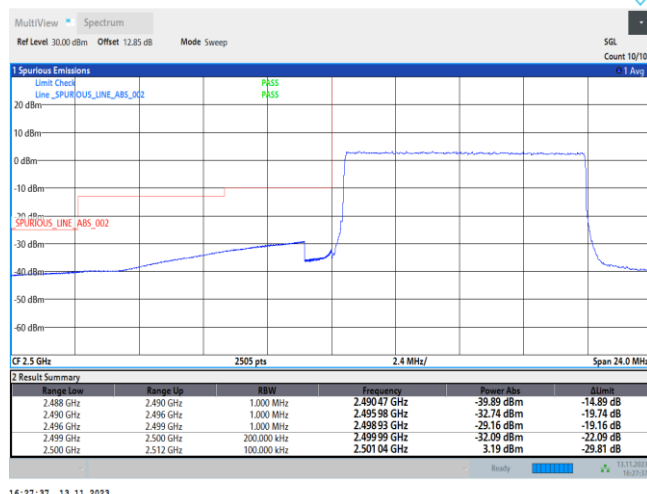
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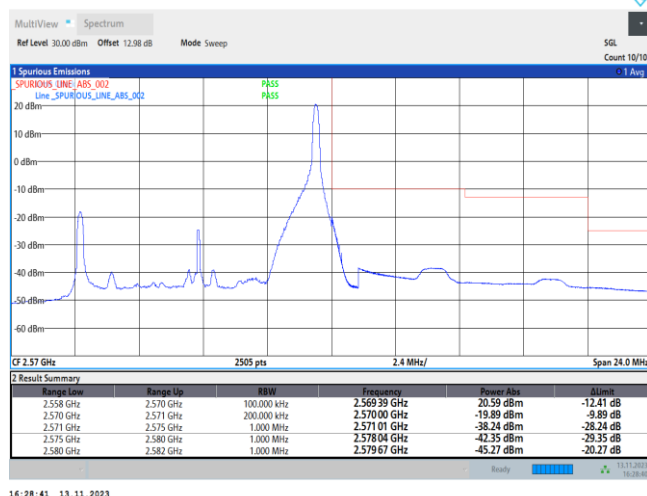
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Band7-10MHz-QPSK-21400-1RB#49



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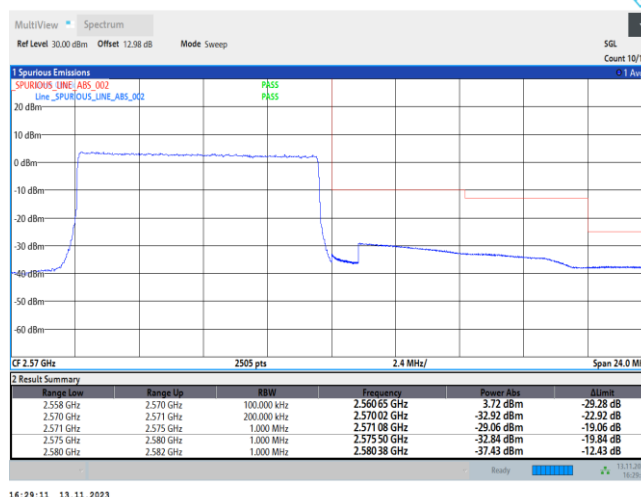
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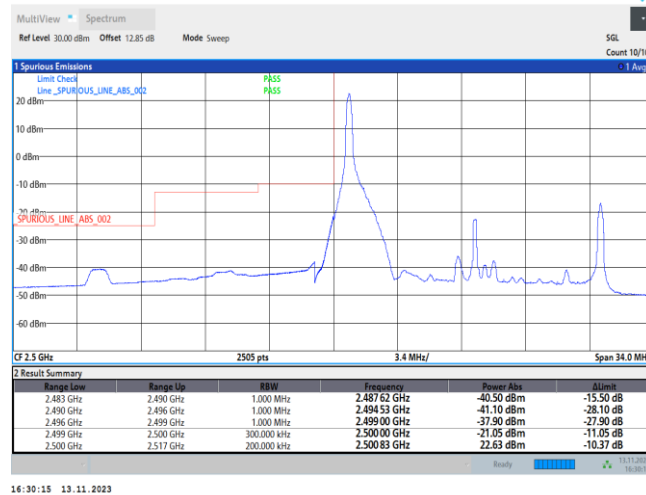
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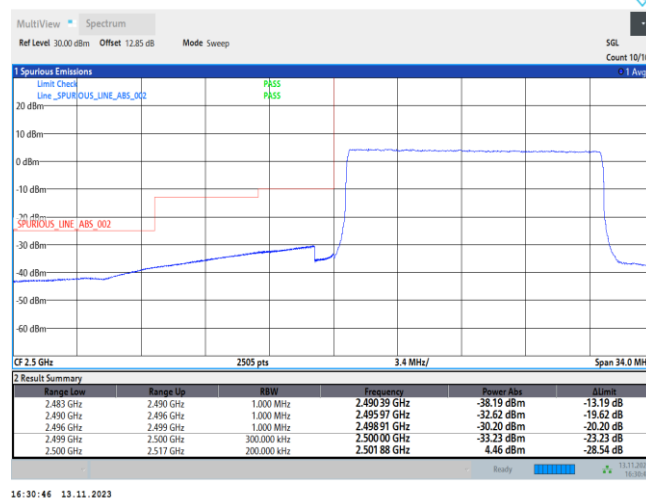
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Band7-15MHz-QPSK-20825-1RB#0



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



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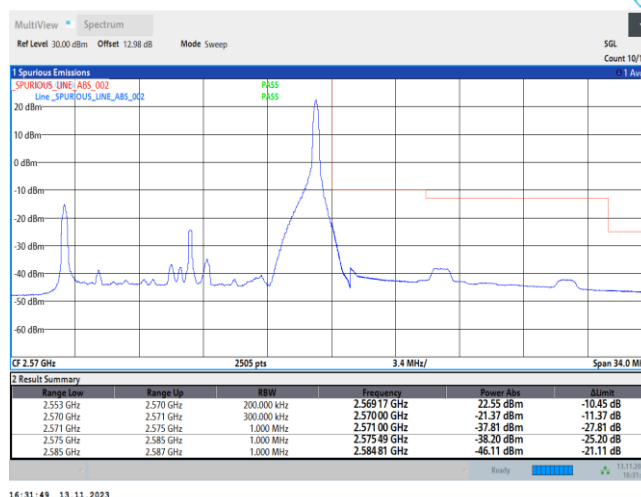
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Band7-15MHz-QPSK-21375-1RB#74



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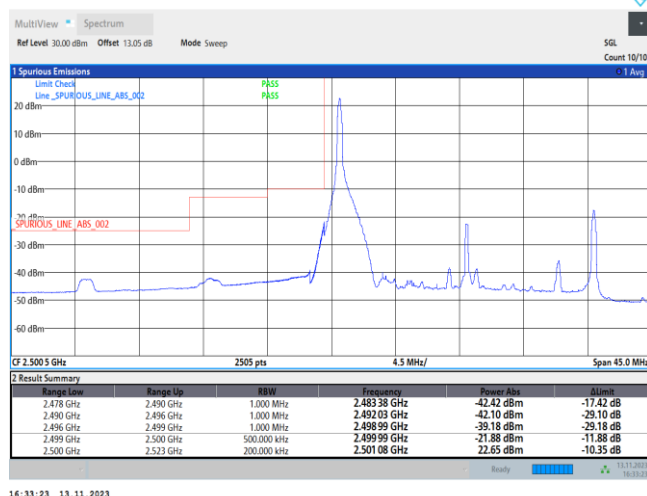
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Band7-20MHz-QPSK-20850-1RB#0



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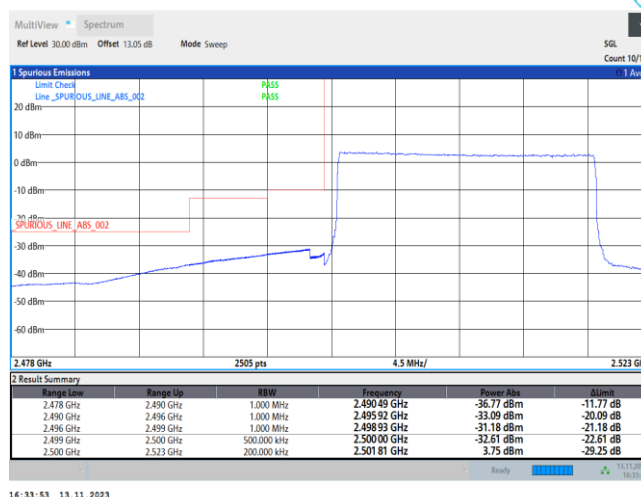
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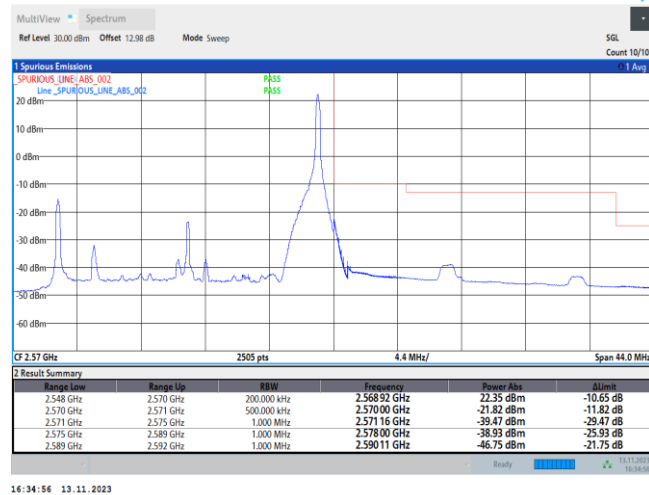
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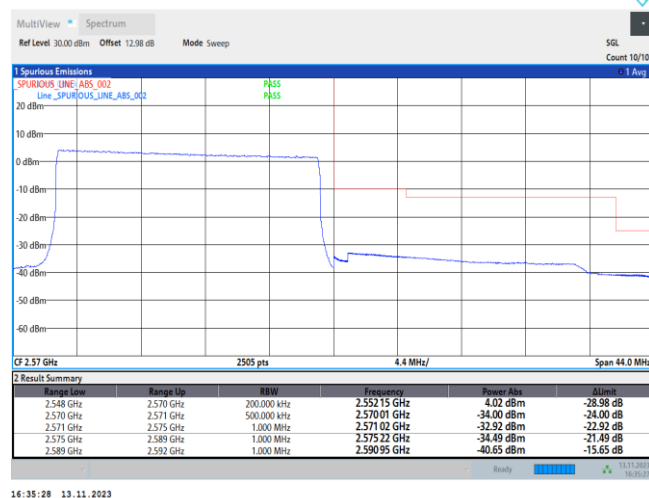
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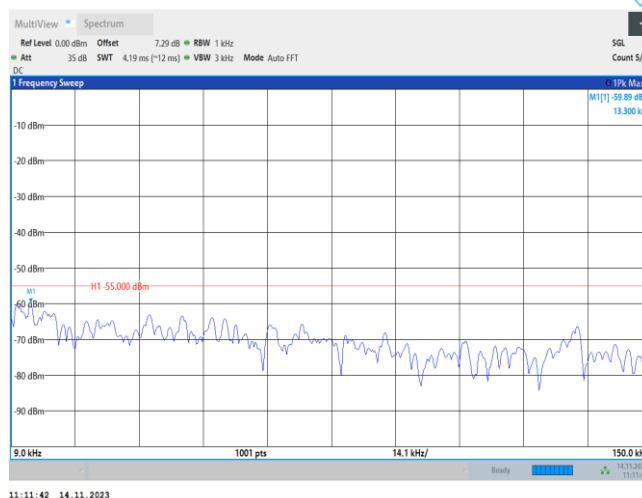
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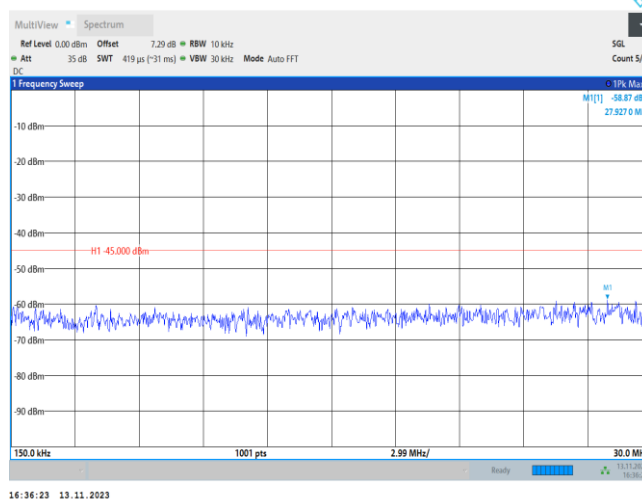
Conducted Spurious Emission

Test Graphs

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



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



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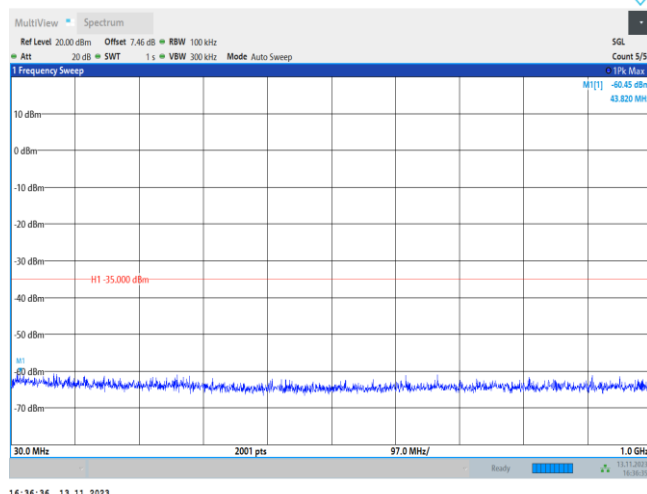
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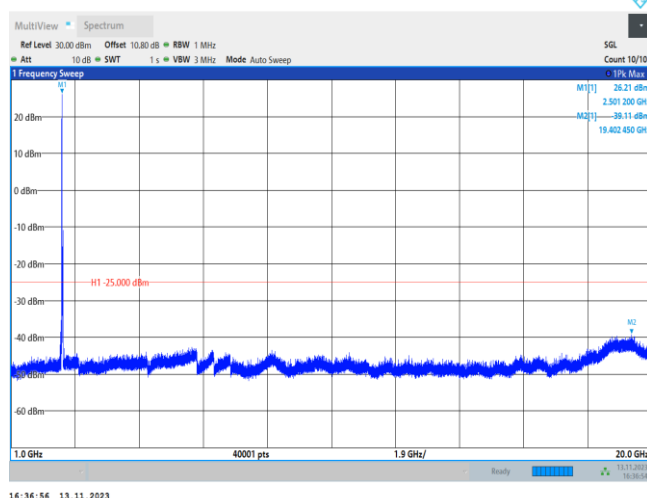
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Band7-20MHz-QPSK-20850-1RB#0-Range4:1000~20000MHz



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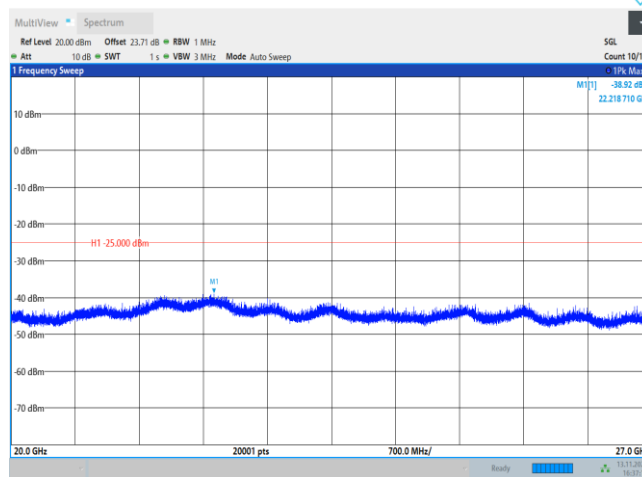
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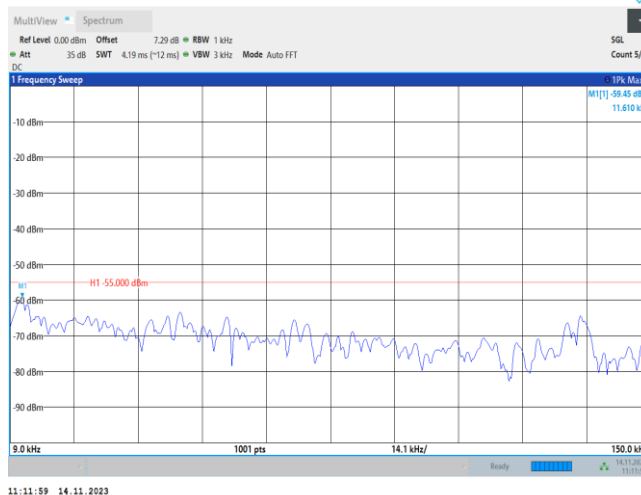
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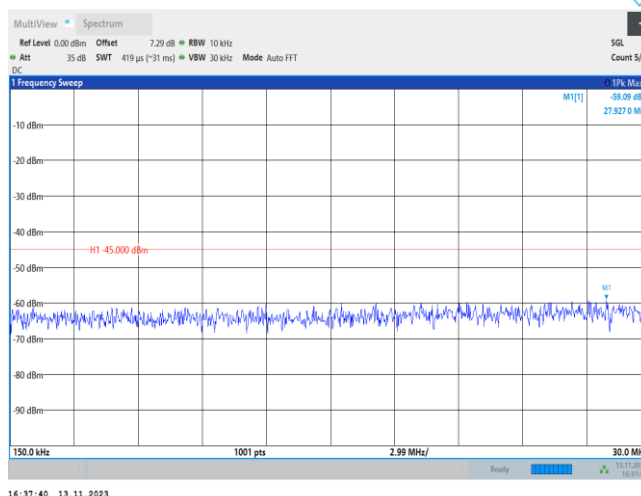
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Band7-20MHz-QPSK-21100-1RB#0-Range1:0.009~0.15MHz



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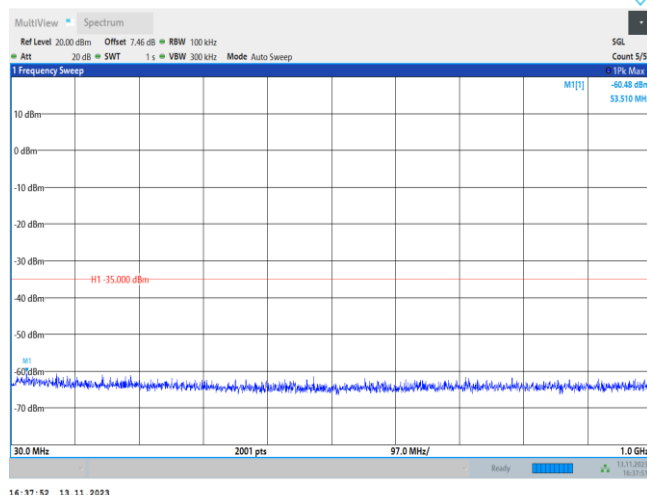
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Band7-20MHz-QPSK-21100-1RB#0-Range3:30~1000MHz



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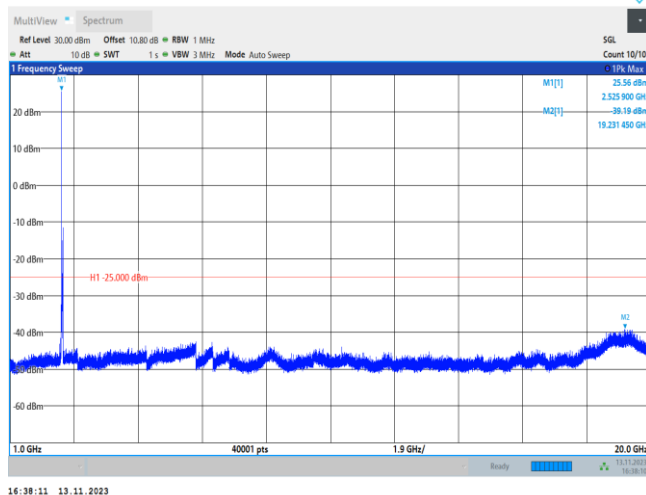
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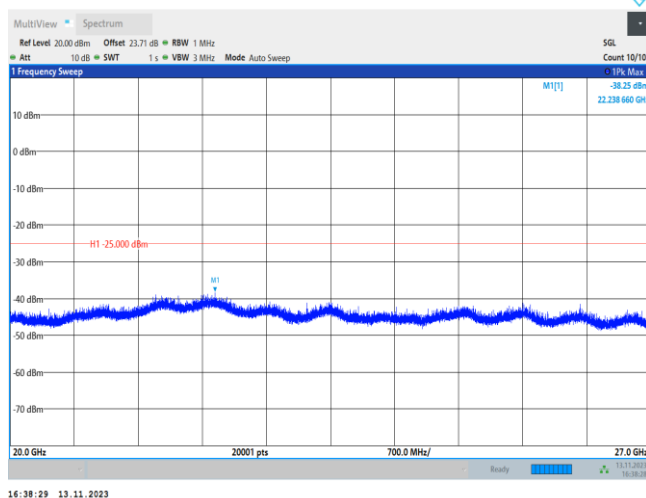
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Band7-20MHz-QPSK-21100-1RB#0-Range4:1000~20000MHz



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



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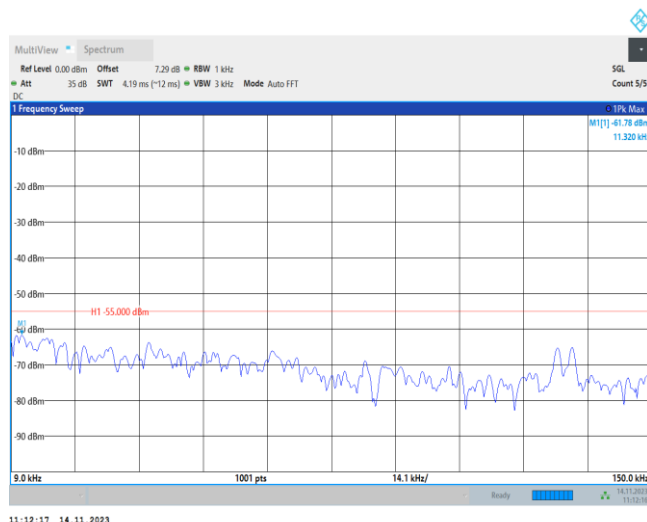
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Band7-20MHz-QPSK-21350-1RB#0-Range1:0.009~0.15MHz



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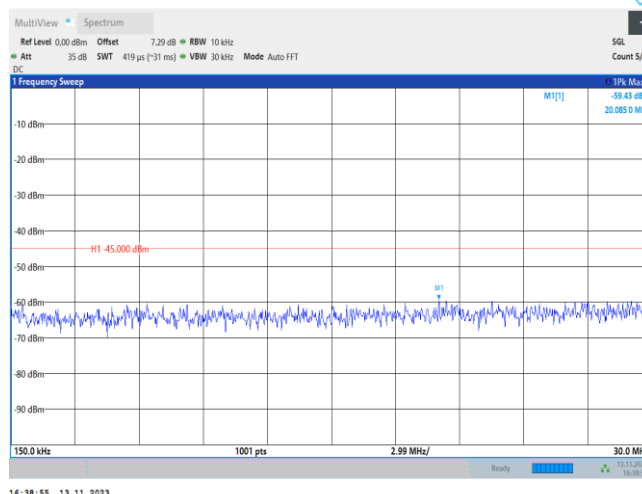
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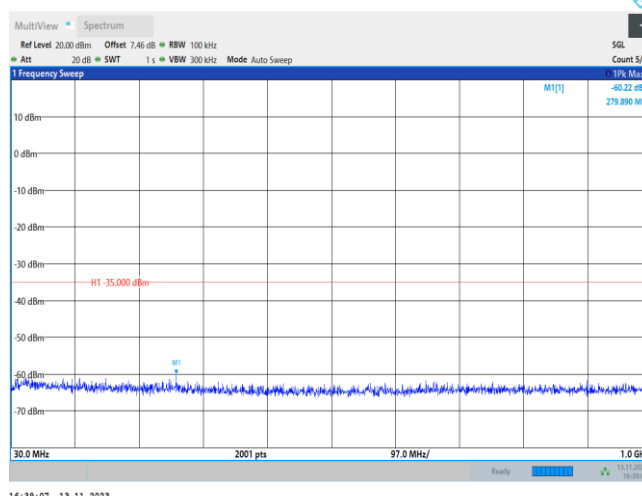
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Band7-20MHz-QPSK-21350-1RB#0-Range2:0.15~30MHz



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



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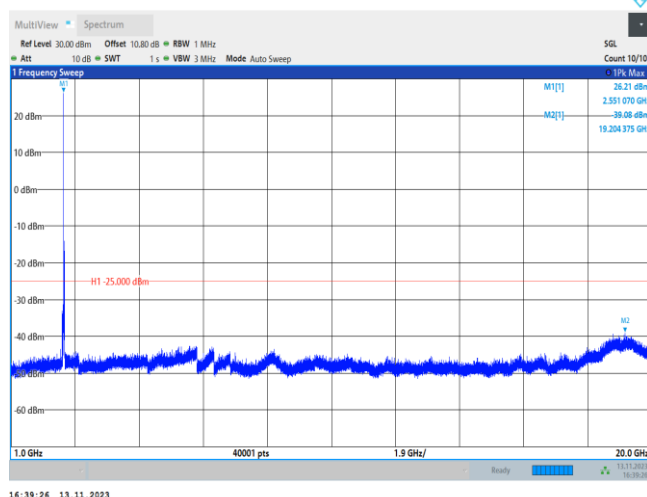
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Band7-20MHz-QPSK-21350-1RB#0-Range4:1000~20000MHz



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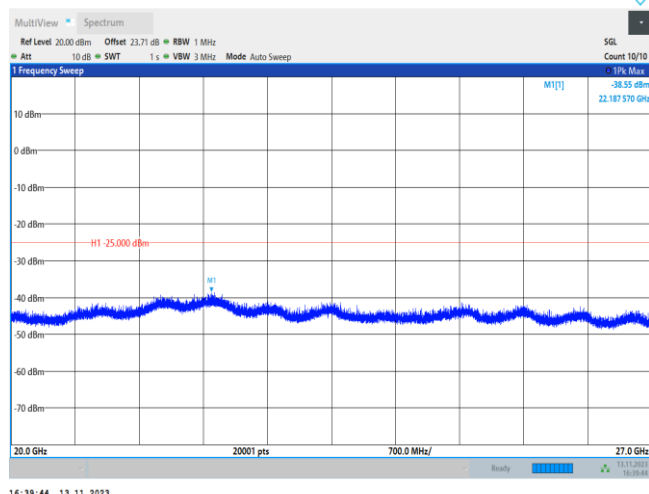
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Band7-20MHz-QPSK-21350-1RB#0-Range5:20000~27000MHz



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Field Strength of Spurious Radiation**Test Band = LTE_B7****Test Channel = LCH**

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3614.5	55.10	-49.50	30.26	-59.40	-25.00	34.40	Horizontal
2	5123.5	52.80	-47.13	33.55	-56.04	-25.00	31.04	Horizontal
3	7600	51.03	-43.26	36.70	-50.79	-25.00	25.79	Horizontal
4	10585	47.99	-40.34	39.29	-48.32	-25.00	23.32	Horizontal
5	14272.5	48.24	-39.73	40.73	-46.02	-25.00	21.02	Horizontal
6	17933.5	48.84	-42.98	42.40	-47.00	-25.00	22.00	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3613	54.83	-49.51	30.25	-59.69	-25.00	34.69	Vertical
2	4821	53.61	-47.70	32.57	-56.78	-25.00	31.78	Vertical
3	5871.5	52.75	-45.73	34.19	-54.05	-25.00	29.05	Vertical
4	7616	50.86	-43.43	36.73	-51.10	-25.00	26.10	Vertical
5	9045	51.08	-41.85	38.71	-47.32	-25.00	22.32	Vertical
6	12239	47.51	-37.96	39.58	-46.13	-25.00	21.13	Vertical



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Test Band = LTE_B7

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3732	54.58	-49.60	30.43	-59.85	-25.00	34.85	Horizontal
2	5493.5	52.95	-45.47	33.14	-54.64	-25.00	29.64	Horizontal
3	7865	50.46	-43.28	37.19	-50.89	-25.00	25.89	Horizontal
4	10614.5	48.35	-40.23	39.33	-47.81	-25.00	22.81	Horizontal
5	14441	48.63	-40.39	40.54	-46.48	-25.00	21.48	Horizontal
6	17991.5	49.87	-43.98	42.75	-46.62	-25.00	21.62	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3612	54.85	-49.52	30.25	-59.68	-25.00	34.68	Vertical
2	4661.5	53.75	-48.16	31.95	-57.72	-25.00	32.72	Vertical
3	6080.5	52.05	-45.45	34.46	-54.20	-25.00	29.20	Vertical
4	8544	49.21	-42.34	38.96	-49.43	-25.00	24.43	Vertical
5	12291.5	48.06	-37.88	39.68	-45.40	-25.00	20.40	Vertical
6	17905.5	49.56	-42.98	42.23	-46.45	-25.00	21.45	Vertical



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Test Band = LTE_B7

Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3921.5	54.48	-49.06	30.73	-59.11	-25.00	34.11	Horizontal
2	5452	52.54	-45.55	33.39	-54.88	-25.00	29.88	Horizontal
3	7813.5	50.86	-43.42	37.10	-50.72	-25.00	25.72	Horizontal
4	11183.5	48.08	-39.24	39.65	-46.77	-25.00	21.77	Horizontal
5	15030.5	47.73	-39.00	39.87	-46.66	-25.00	21.66	Horizontal
6	17982	49.73	-43.75	42.69	-46.59	-25.00	21.59	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4241	53.99	-48.51	31.99	-57.79	-25.00	32.79	Vertical
2	5244.5	53.30	-46.47	33.28	-55.15	-25.00	30.15	Vertical
3	6965	52.28	-44.39	36.43	-50.94	-25.00	25.94	Vertical
4	9024.5	50.14	-41.76	38.75	-48.13	-25.00	23.13	Vertical
5	11925	48.07	-38.10	39.48	-45.81	-25.00	20.81	Vertical
6	17935	49.52	-42.98	42.41	-46.31	-25.00	21.31	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	-0.80	-0.000316	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-4.00	-0.001578	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-1.90	-0.000750	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	-5.10	-0.002012	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-3.80	-0.001499	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-3.70	-0.001460	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-2.20	-0.000868	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-5.80	-0.002288	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-7.30	-0.002880	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-6.80	-0.002682	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-4.80	-0.001893	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-6.90	-0.002722	PASS

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