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Appendix B.6

LTE Band 7



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Effective (Isotropic) Radiated Power Output Data

Test Result

ANT4

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.07	22.27	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.01	22.21	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.97	22.17	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.98	21.18	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.30	22.50	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.20	22.40	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.15	22.35	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.15	21.35	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.53	22.73	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.41	22.61	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.29	22.49	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.35	21.55	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.27	21.47	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.14	21.34	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.21	21.41	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.95	20.15	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.51	21.71	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.47	21.67	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.30	21.50	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.11	20.31	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.65	21.85	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.67	21.87	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.44	21.64	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.38	20.58	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	21.19	20.39	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	21.14	20.34	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	21.13	20.33	33.00	PASS



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Band7	5MHz	64QAM	20775	25RB#0	19.96	19.16	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	21.43	20.63	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	21.24	20.44	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	21.28	20.48	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	20.13	19.33	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	21.60	20.80	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	21.48	20.68	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	21.31	20.51	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	20.37	19.57	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.06	22.26	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.02	22.22	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.20	22.40	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.00	21.20	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.36	22.56	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.20	22.40	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.06	22.26	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.15	21.35	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.64	22.84	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.51	22.71	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.28	22.48	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.48	21.68	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.22	21.42	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.21	21.41	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.45	21.65	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.02	20.22	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.53	21.73	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.34	21.54	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.30	21.50	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.16	20.36	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.77	21.97	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.65	21.85	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.57	21.77	33.00	PASS



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Band7	10MHz	16QAM	21400	50RB#0	21.45	20.65	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	21.09	20.29	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	21.13	20.33	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	21.39	20.59	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	19.98	19.18	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	21.52	20.72	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#24	21.24	20.44	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	21.16	20.36	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	20.17	19.37	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	21.78	20.98	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	21.65	20.85	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	21.37	20.57	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.47	19.67	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.98	22.18	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.11	22.31	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.28	22.48	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.07	21.27	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.44	22.64	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.17	22.37	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.00	22.20	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.18	21.38	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.55	22.75	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.60	22.80	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.23	22.43	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.58	21.78	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.18	21.38	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.36	21.56	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.57	21.77	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.08	20.28	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.59	21.79	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.30	21.50	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.22	21.42	33.00	PASS



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Band7	15MHz	16QAM	21100	75RB#0	21.16	20.36	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.87	22.07	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.90	22.10	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.40	21.60	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.50	20.70	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	21.07	20.27	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	21.26	20.46	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	21.41	20.61	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	20.05	19.25	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	21.58	20.78	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	21.31	20.51	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	21.08	20.28	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	20.15	19.35	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	21.64	20.84	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#38	21.65	20.85	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	21.31	20.51	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	20.51	19.71	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.04	22.24	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.30	22.50	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.39	22.59	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.25	21.45	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.62	22.82	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.24	22.44	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.07	22.27	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.21	21.41	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.39	22.59	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.65	22.85	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.19	22.39	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.46	21.66	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.22	21.42	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.60	21.80	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.65	21.85	33.00	PASS



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Band7	20MHz	16QAM	20850	100RB#0	21.12	20.32	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.88	22.08	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.41	21.61	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.25	21.45	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.30	20.50	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.63	21.83	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.86	22.06	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.38	21.58	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.44	20.64	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	21.13	20.33	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	21.41	20.61	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	21.63	20.83	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	20.14	19.34	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	21.69	20.89	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	21.24	20.44	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	21.06	20.26	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	20.24	19.44	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#0	21.54	20.74	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#49	21.76	20.96	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	21.31	20.51	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	20.46	19.66	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	5.84	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.54	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.62	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.62	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.34	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.48	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.84	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.68	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.72	13	PASS

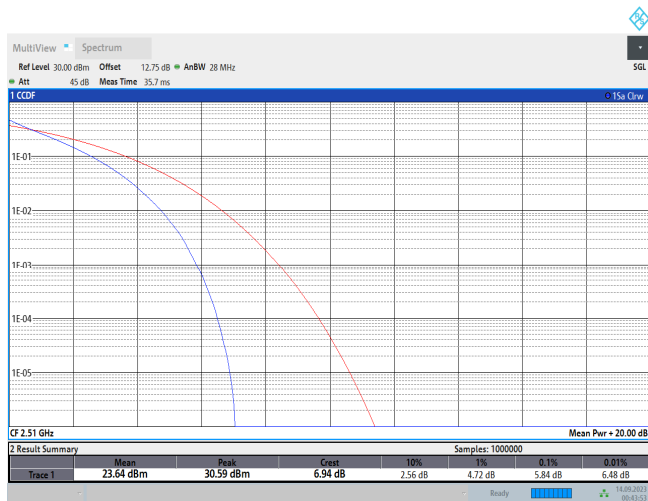


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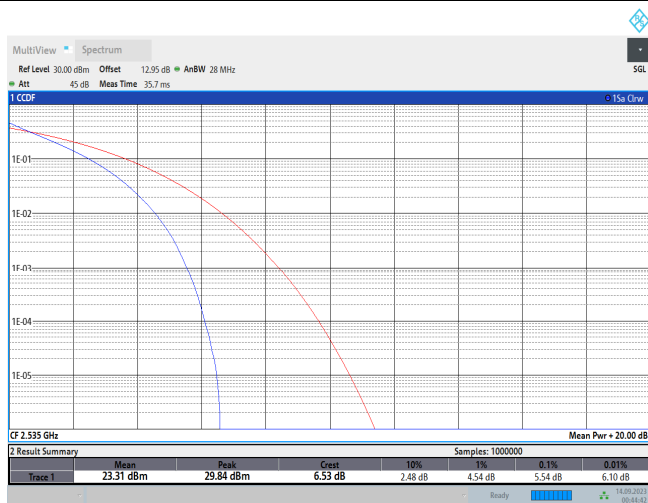
Test Graphs

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



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

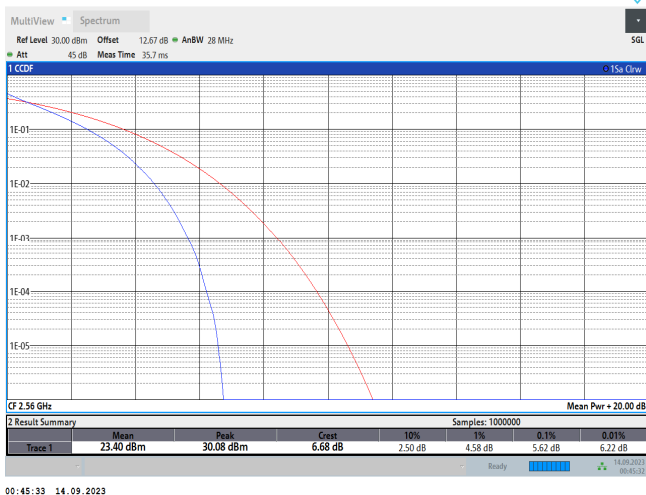


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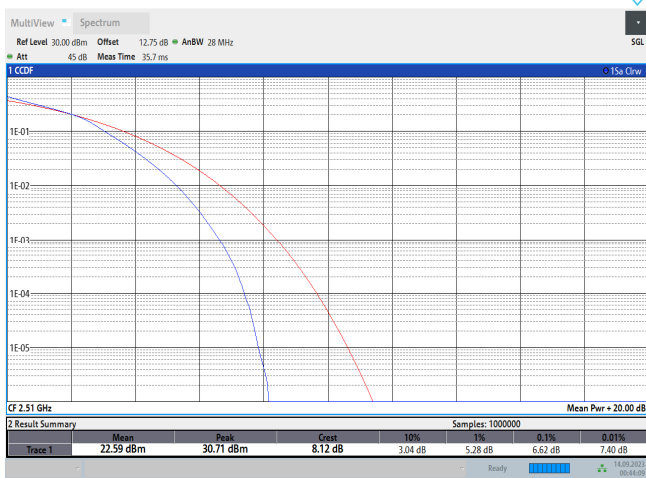
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Band7-20MHz-QPSK-21350-100RB#0



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

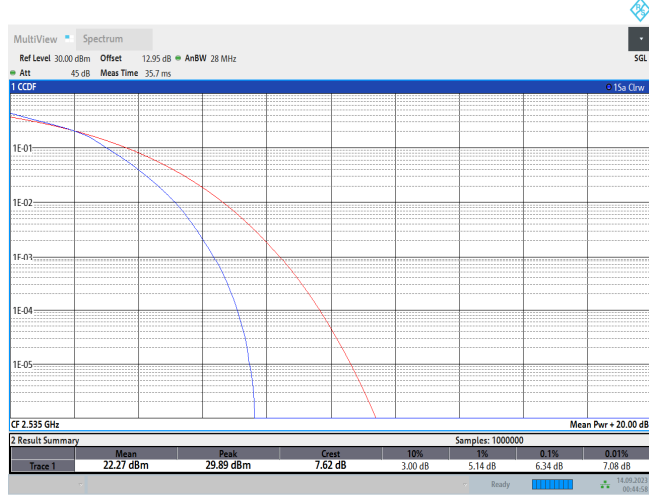


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Band7-20MHz-16QAM-21100-100RB#0



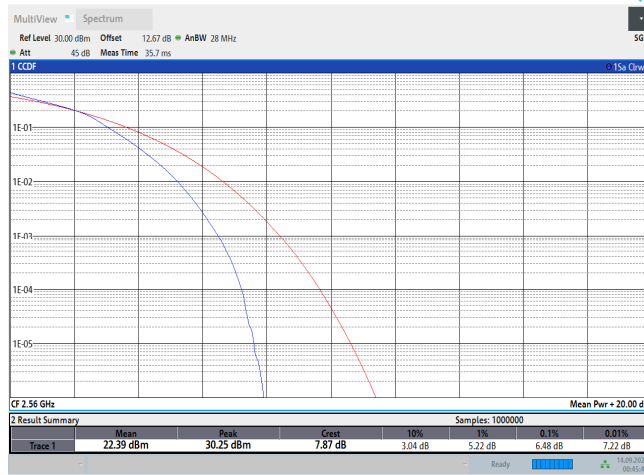
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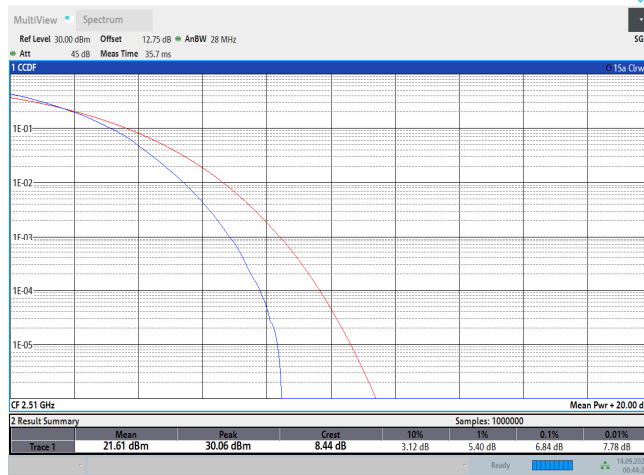
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Band7-20MHz-16QAM-21350-100RB#0



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

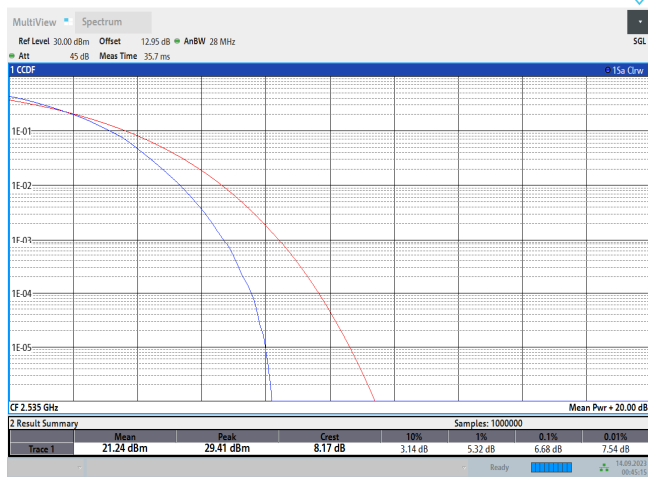


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Band7-20MHz-64QAM-21100-100RB#0



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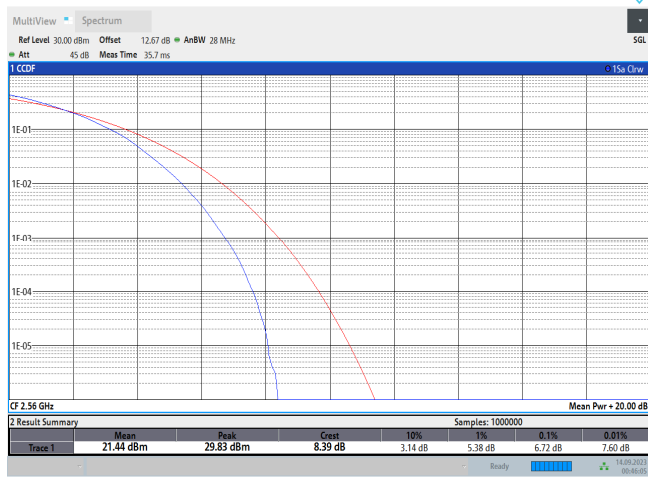
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Band7-20MHz-64QAM-21350-100RB#0



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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	4.469	4.85	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.469	4.84	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.469	4.85	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.47	4.89	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.471	4.91	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.466	4.87	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.477	4.88	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.47	4.86	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.476	4.88	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.937	9.60	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.952	9.62	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.95	9.56	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.919	9.60	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.92	9.58	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.912	9.62	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.92	9.62	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.933	9.64	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.93	9.60	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.472	14.73	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.494	14.67	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.479	14.73	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.451	14.82	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.467	14.67	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.443	14.73	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.431	14.82	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.456	14.76	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.424	14.64	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.889	19.24	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.924	19.28	PASS



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Rev.: 01

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Band7	20MHz	QPSK	21350	100RB#0	17.91	19.24	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.892	19.28	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.904	19.28	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.86	19.28	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.863	19.24	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.909	19.32	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.871	19.28	PASS

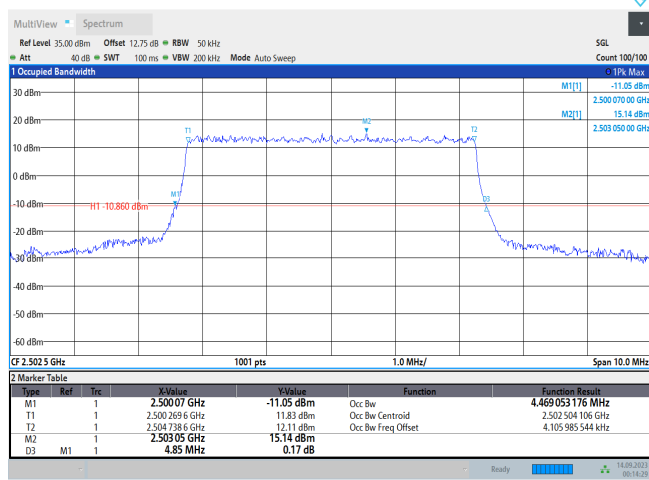


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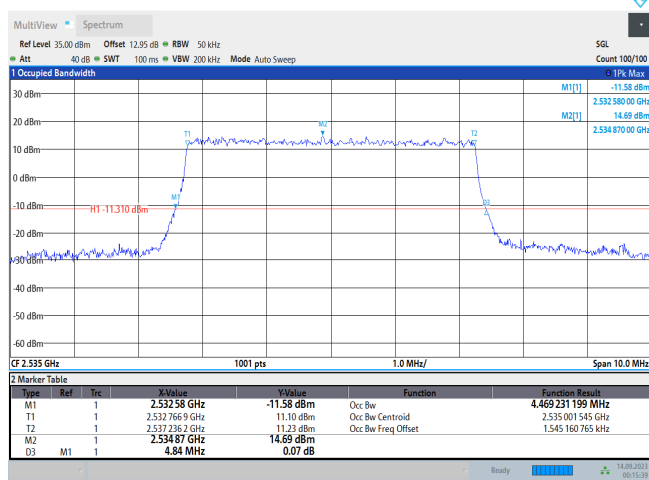
Test Graphs

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



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Band7-5MHz-QPSK-21100-25RB#0



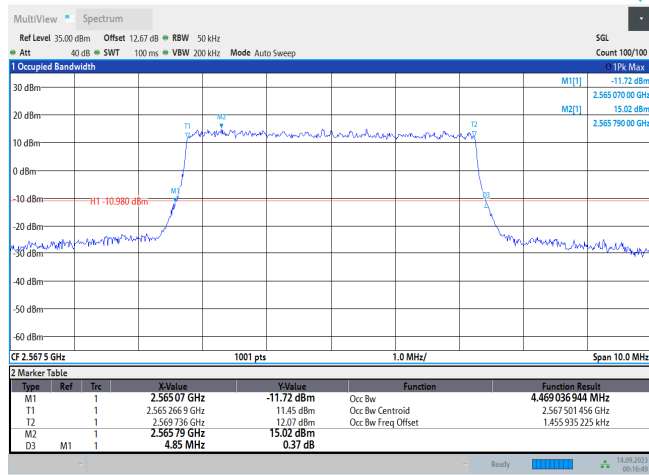
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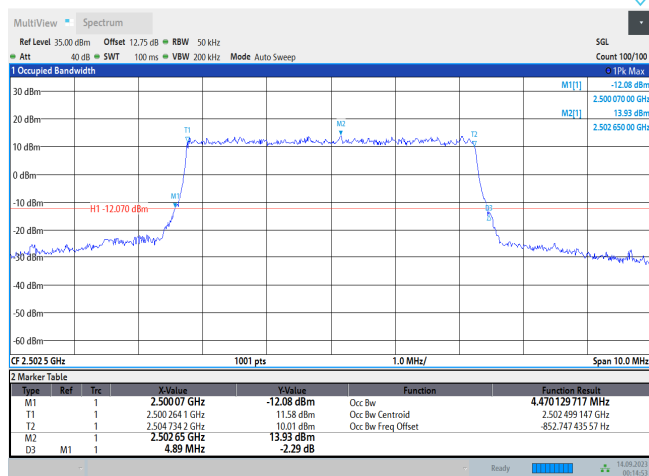
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Band7-5MHz-QPSK-21425-25RB#0



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



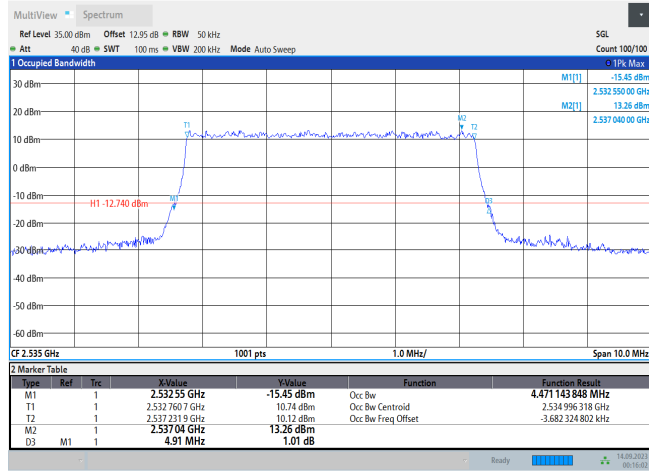
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Band7-5MHz-16QAM-21100-25RB#0



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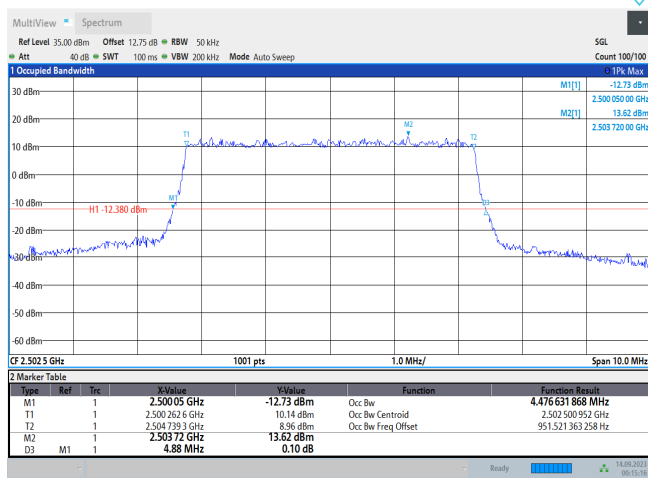
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Band7-5MHz-16QAM-21425-25RB#0



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



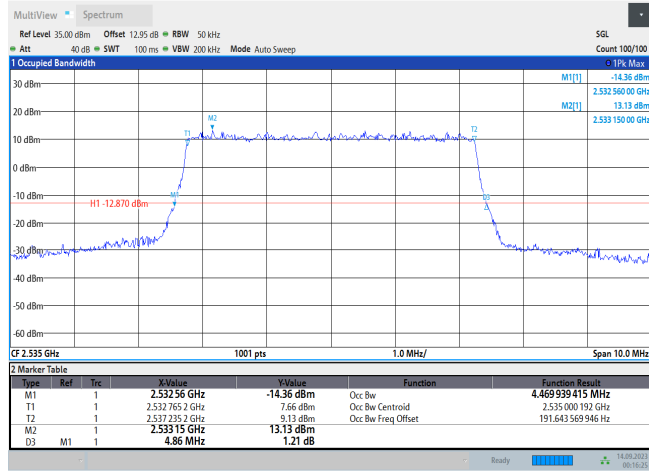
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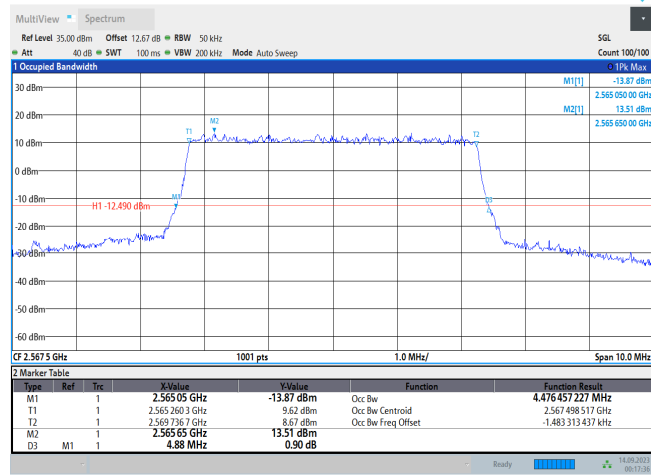


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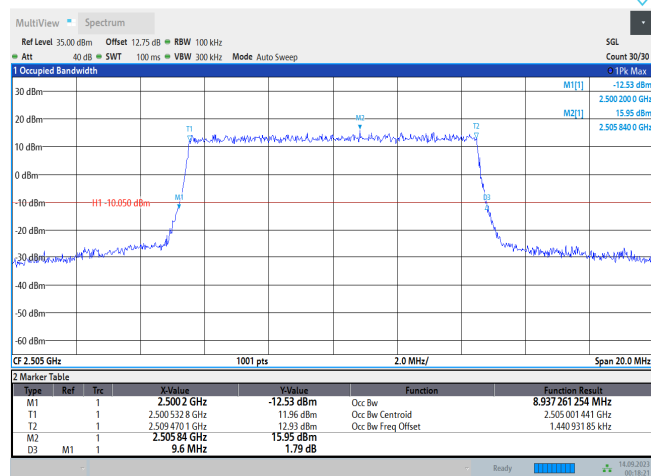
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Band7-10MHz-QPSK-20800-50RB#0



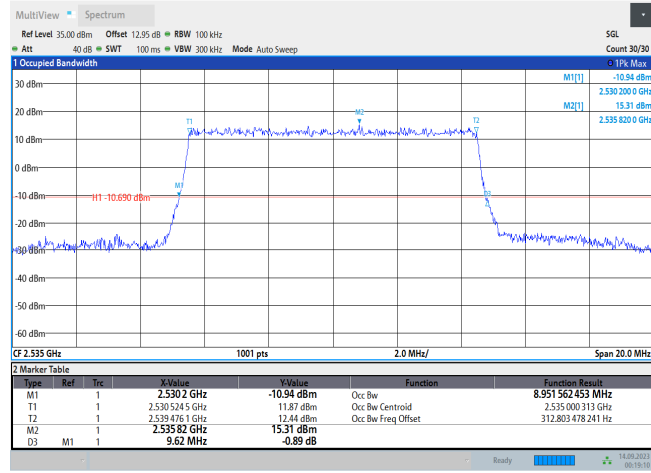
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Band7-10MHz-QPSK-21100-50RB#0



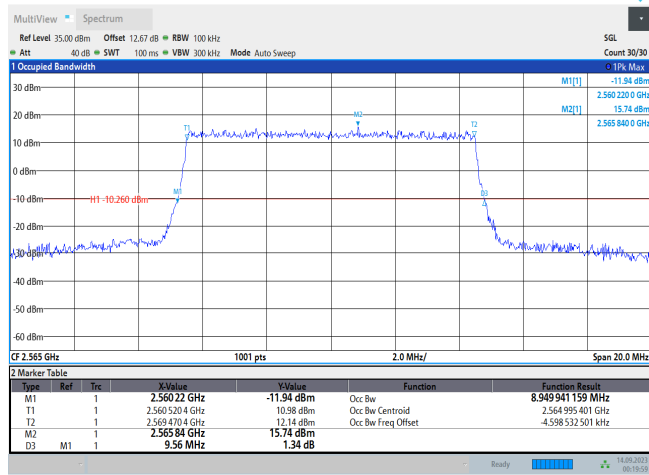
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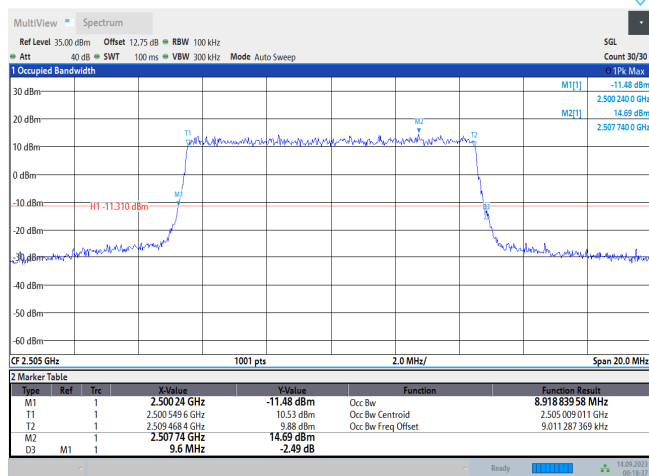
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Band7-10MHz-16QAM-20800-50RB#0



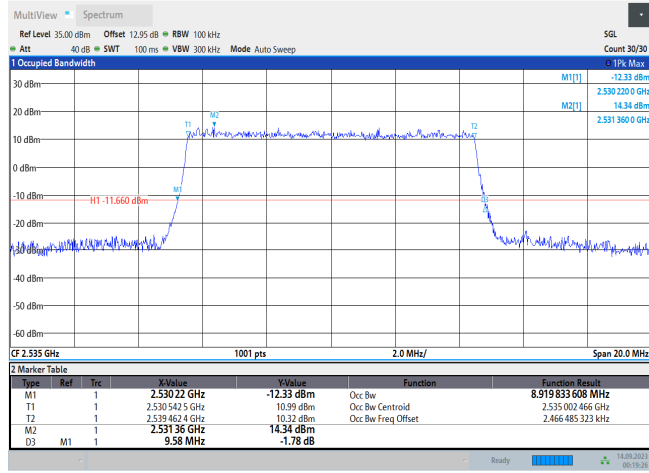
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Band7-10MHz-16QAM-21100-50RB#0



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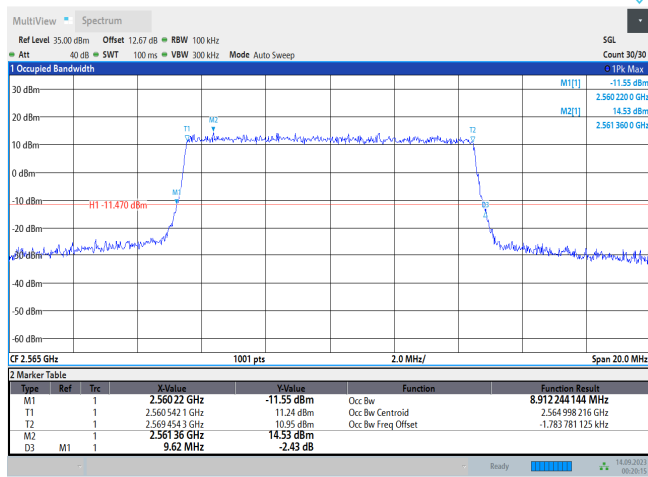


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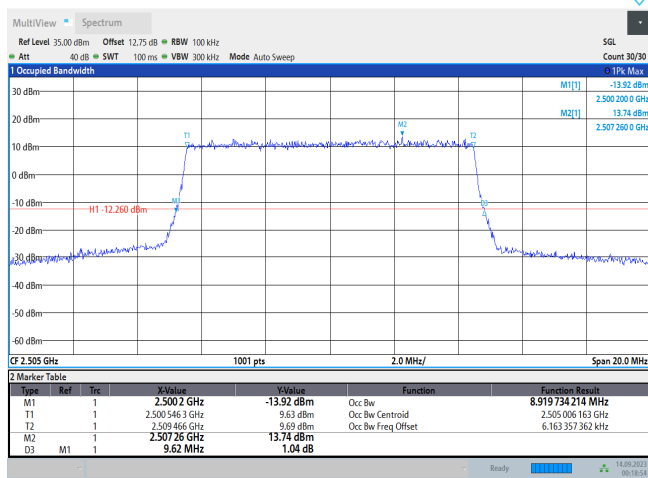
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Band7-10MHz-16QAM-21400-50RB#0



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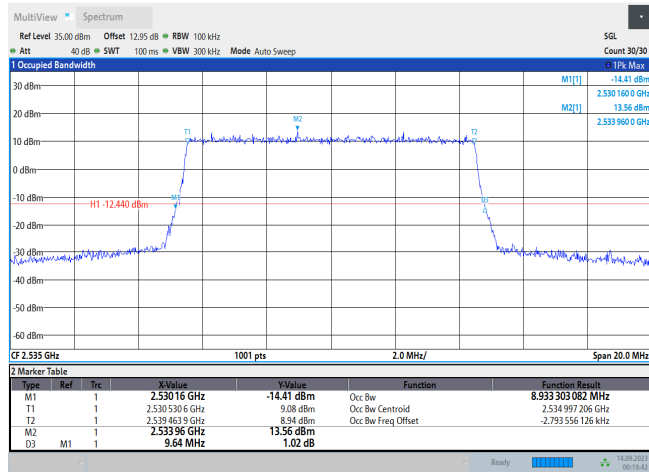
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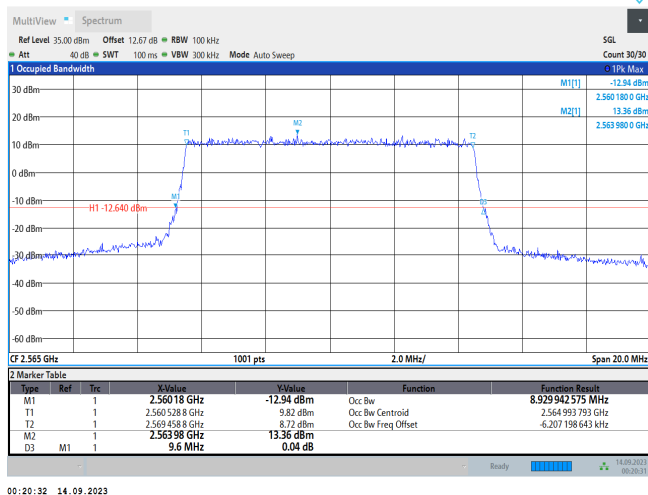
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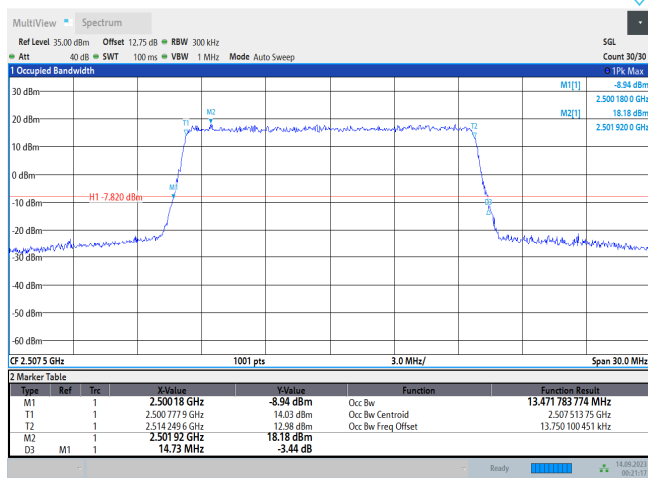
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Band7-15MHz-QPSK-20825-75RB#0



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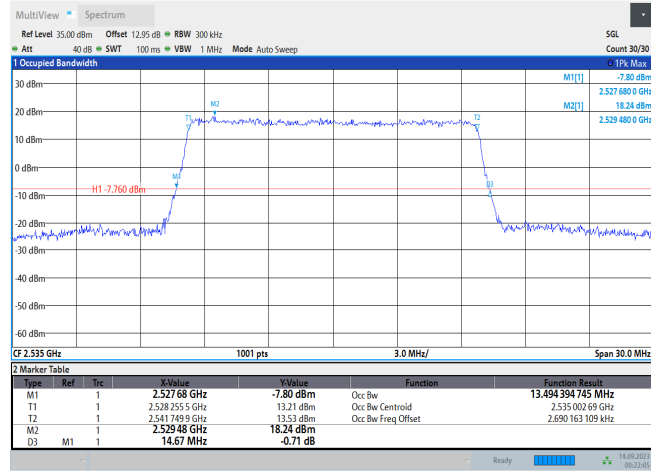


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Band7-15MHz-QPSK-21100-75RB#0



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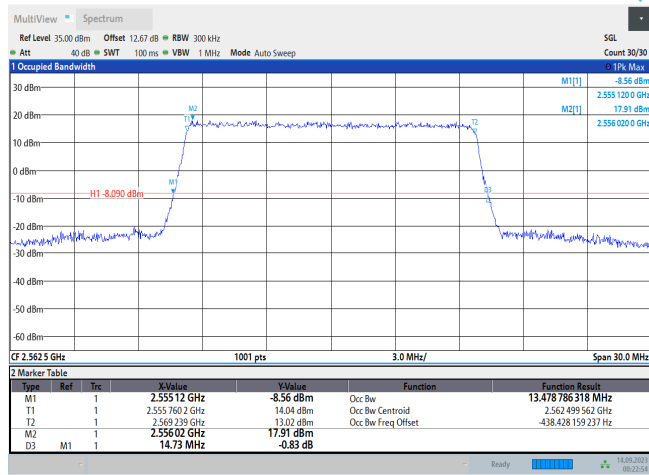


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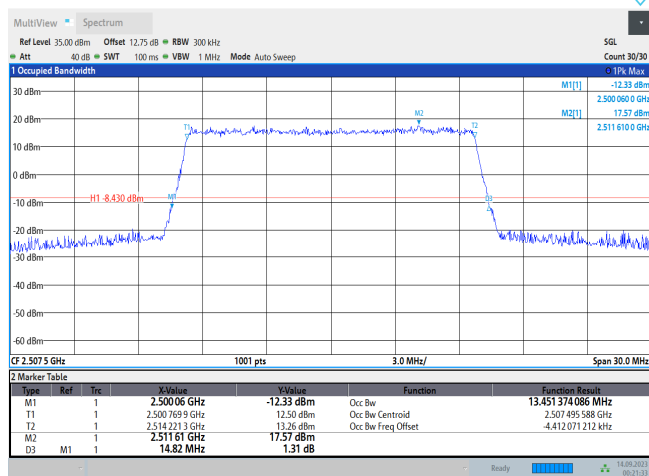
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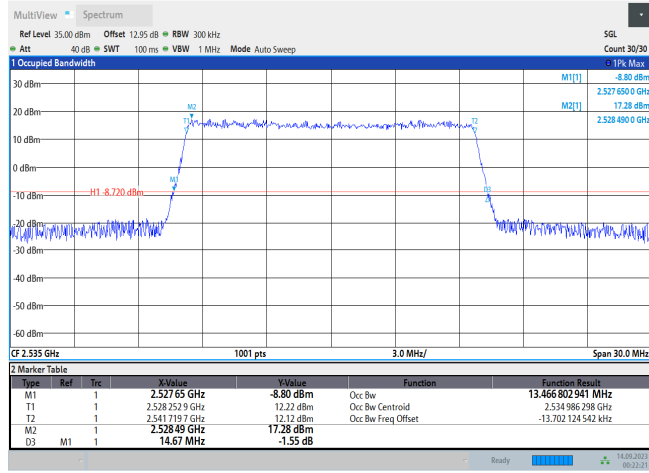
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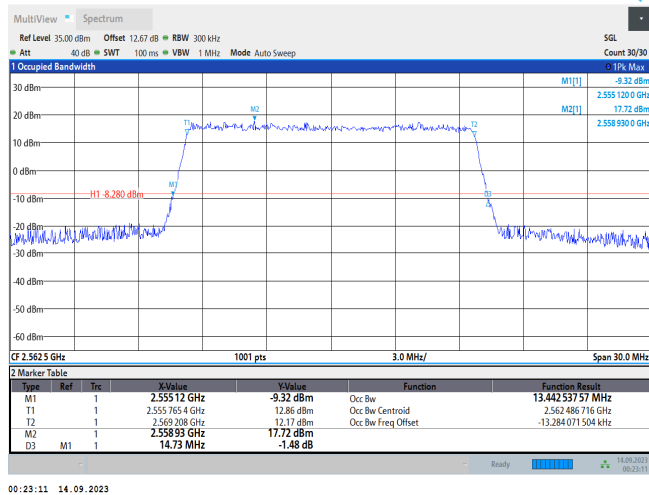


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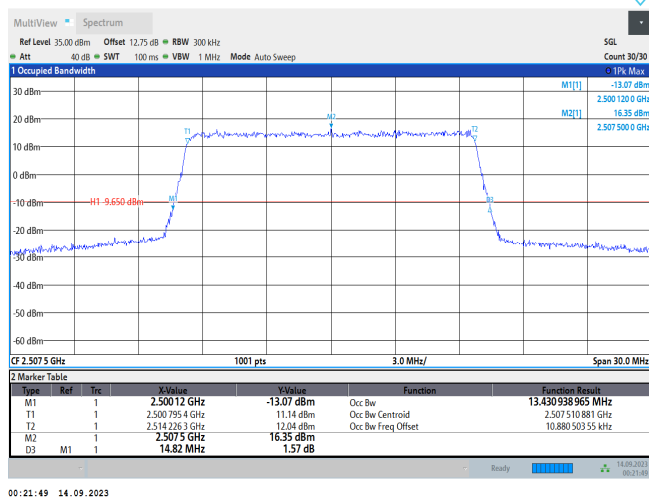
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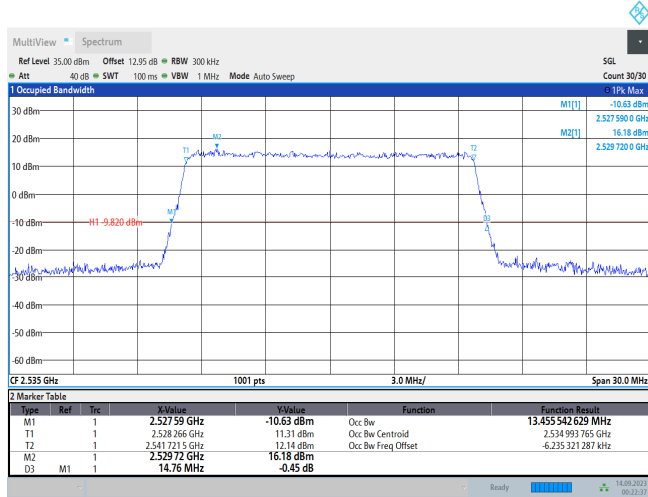
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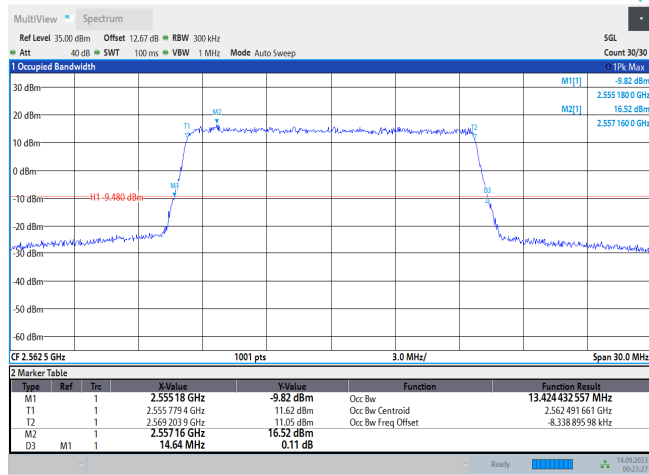
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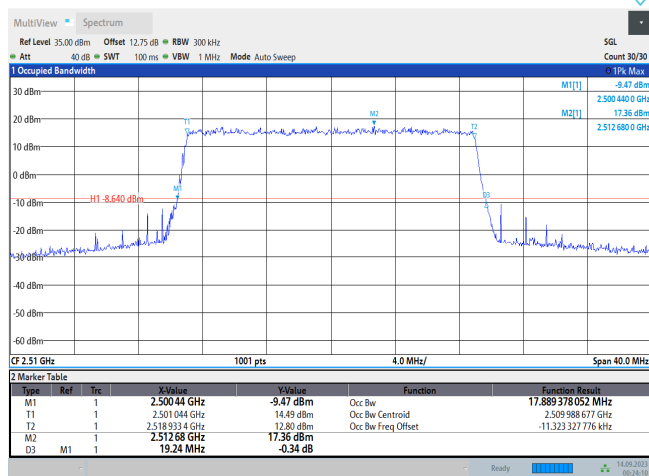
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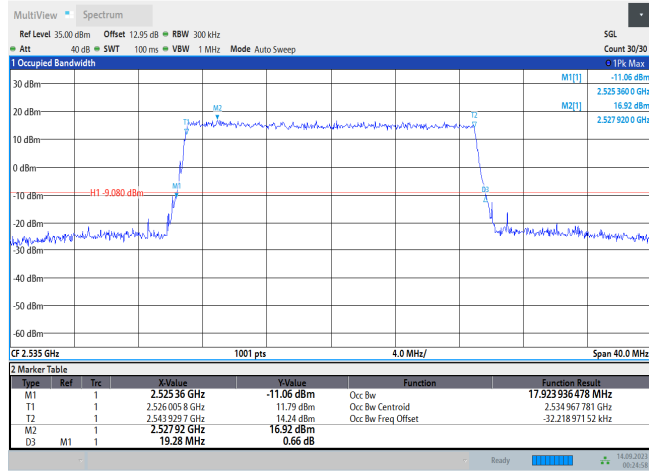
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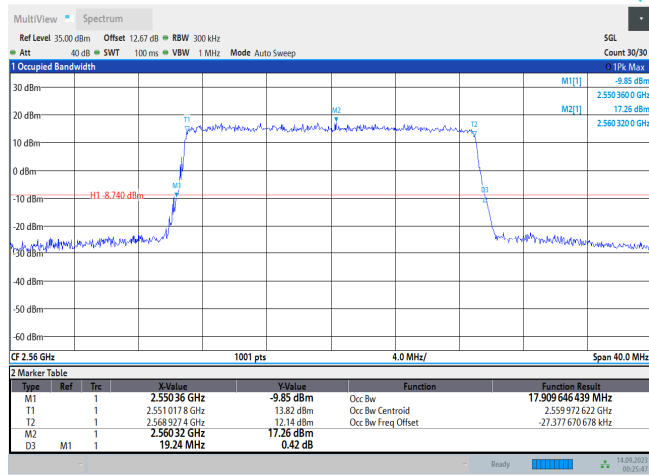
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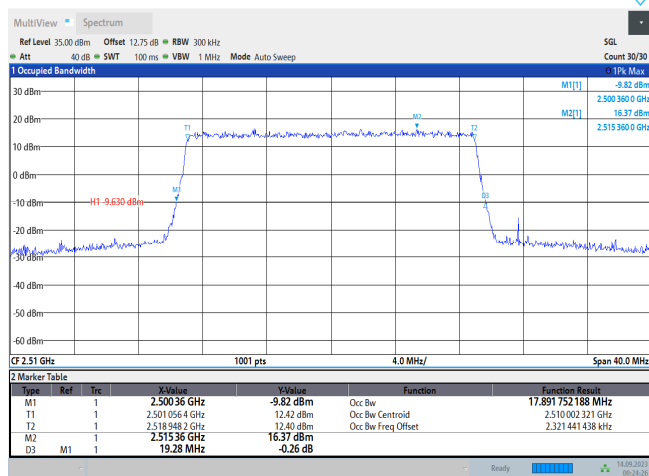
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Band7-20MHz-QPSK-21350-100RB#0



00:25:48 14.09.2023

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



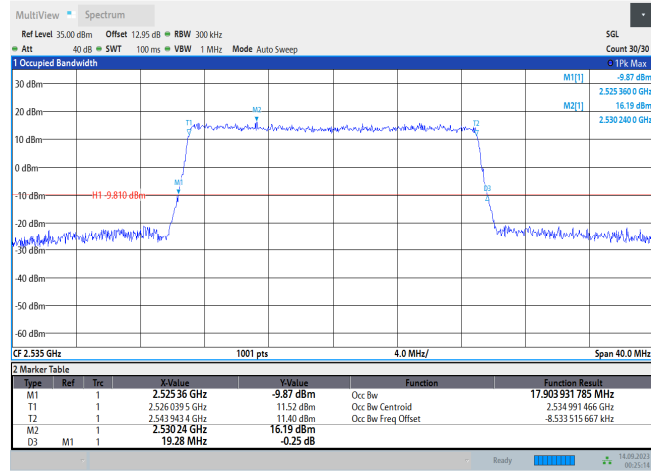
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Band7-20MHz-16QAM-21100-100RB#0



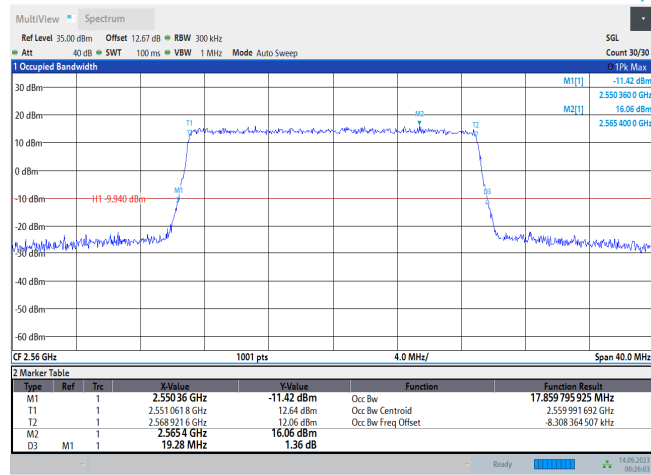
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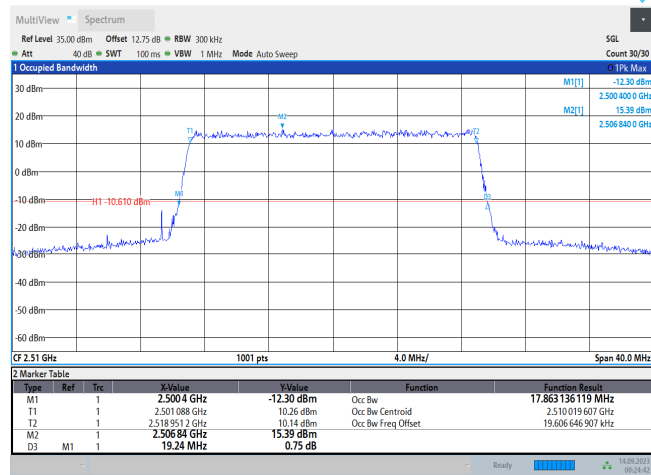
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Band7-20MHz-16QAM-21350-100RB#0



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



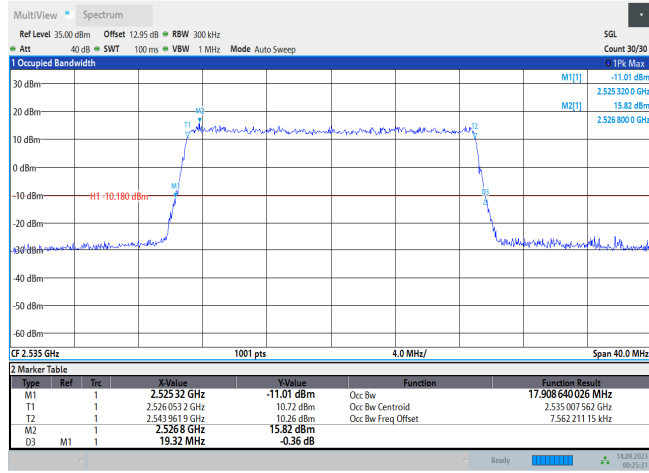
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Band7-20MHz-64QAM-21100-100RB#0



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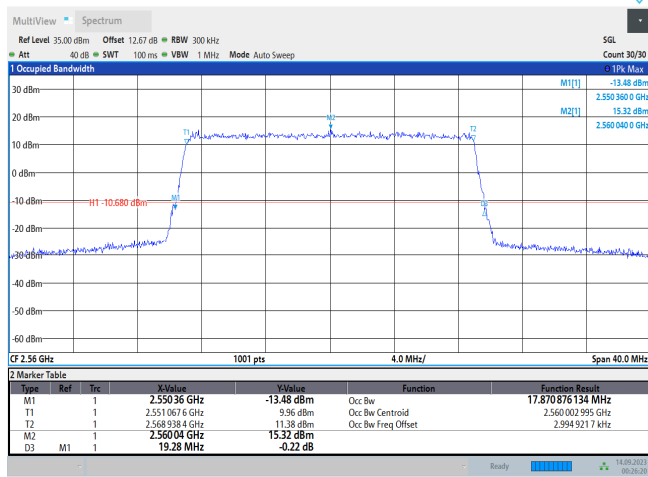


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Band7-20MHz-64QAM-21350-100RB#0



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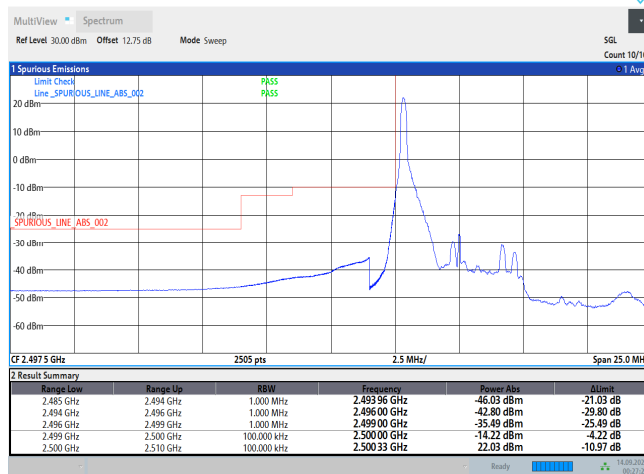
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Band Edge

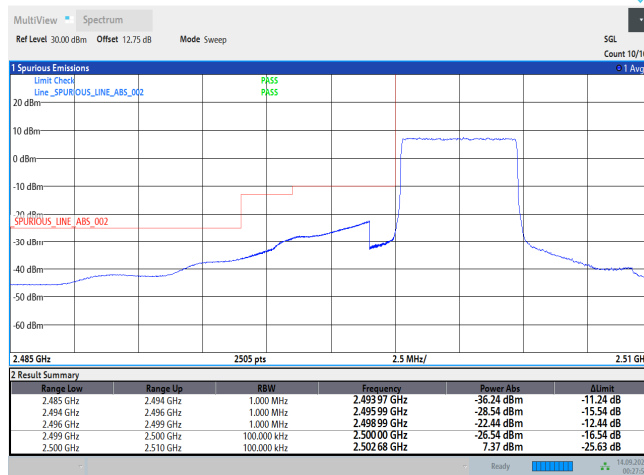
Test Graphs

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



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



00:27:54 14.09.2023



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Band7-5MHz-QPSK-21425-1RB#24



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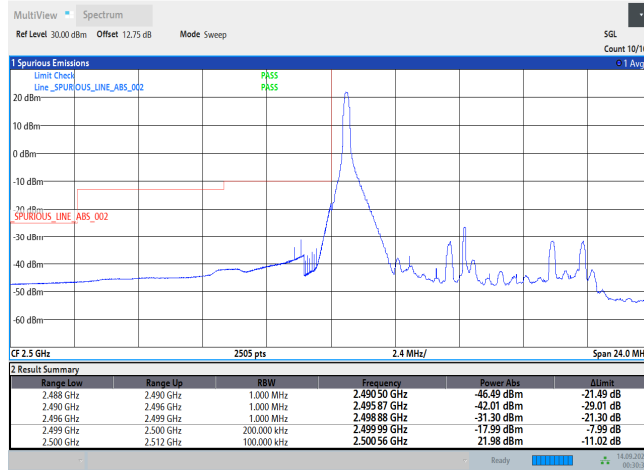
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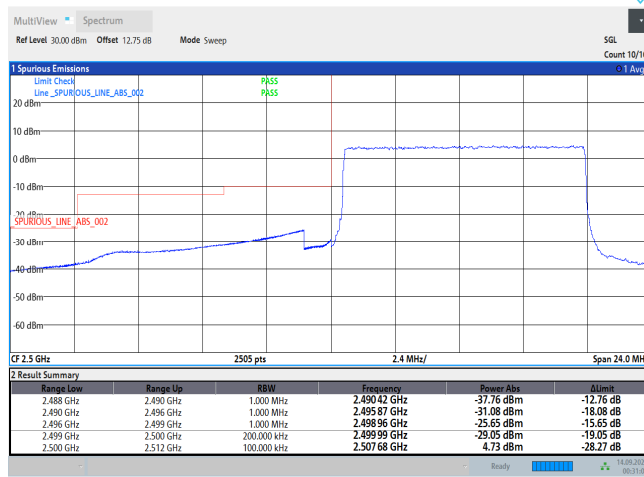
Band7-10MHz-QPSK-20800-1RB#0



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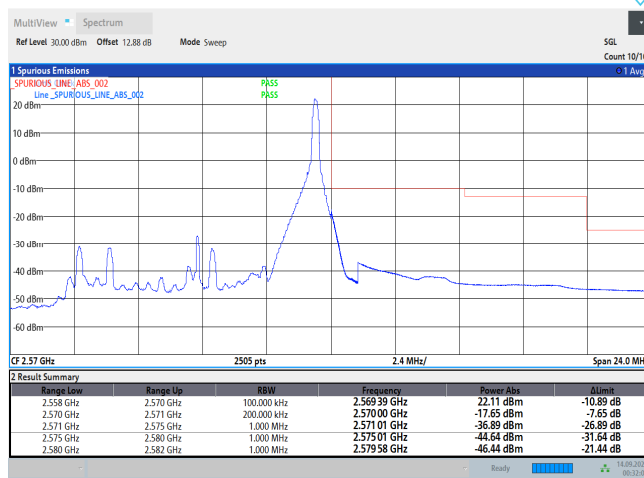
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Band7-10MHz-QPSK-20800-50RB#0



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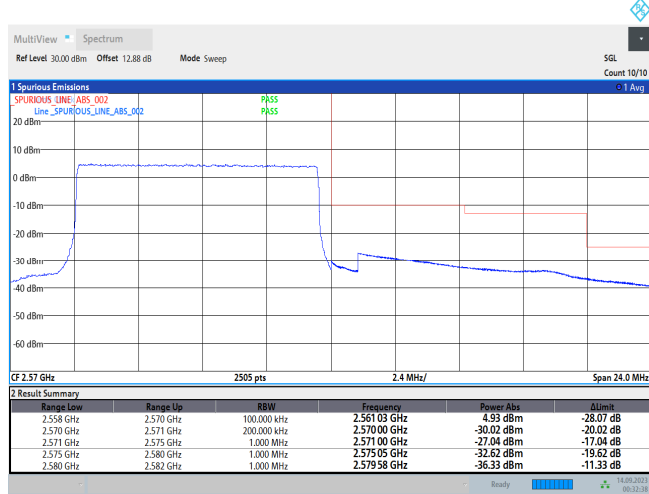
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Band7-10MHz-QPSK-21400-50RB#0



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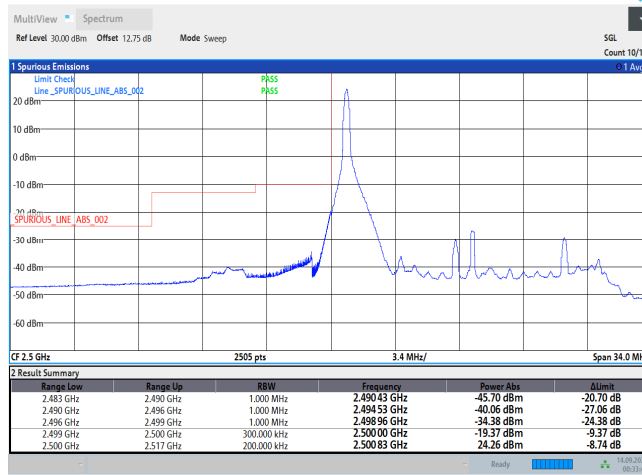


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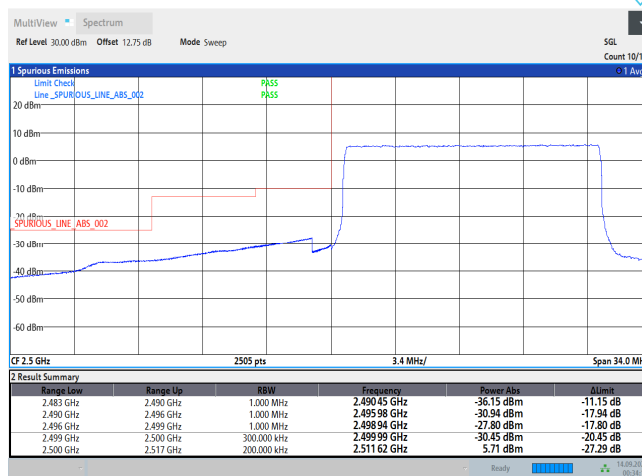
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Band7-15MHz-QPSK-20825-1RB#0



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



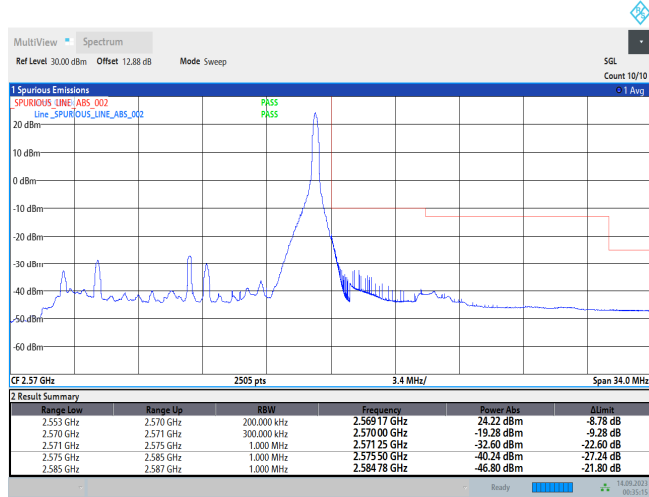
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Band7-15MHz-QPSK-21375-1RB#74



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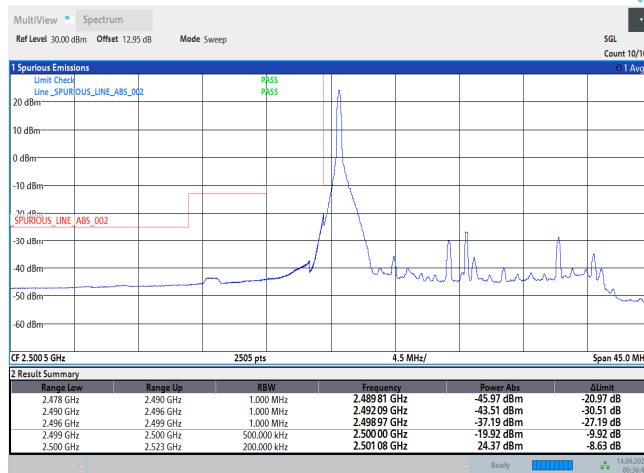
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Band7-15MHz-QPSK-21375-75RB#0



00:35:48 14.09.2023

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



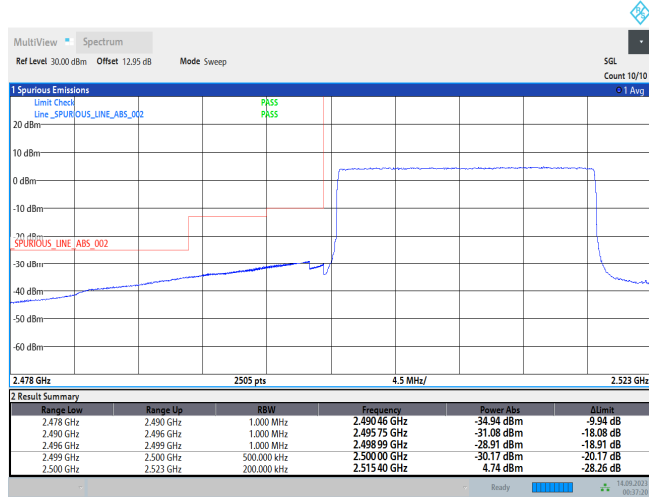
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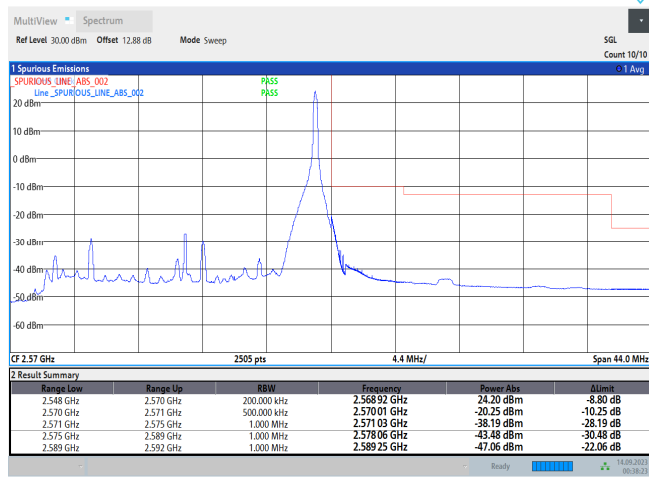
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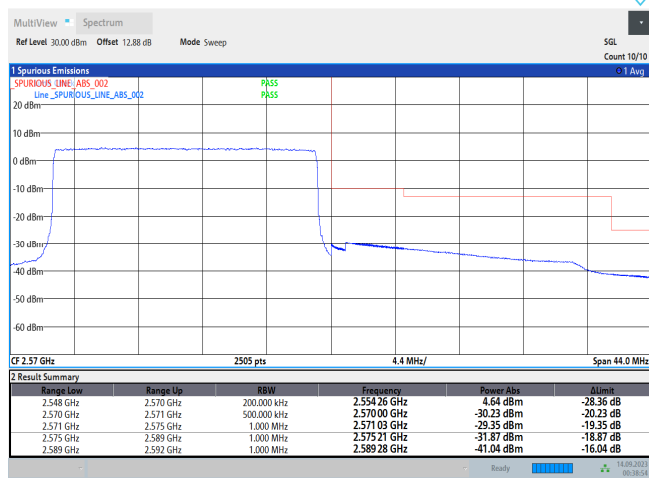
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Band7-20MHz-QPSK-21350-1RB#99



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



00:38:55 14.09.2023



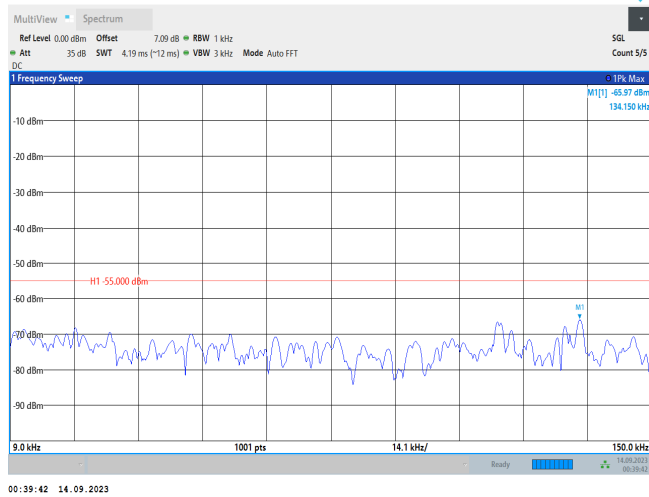
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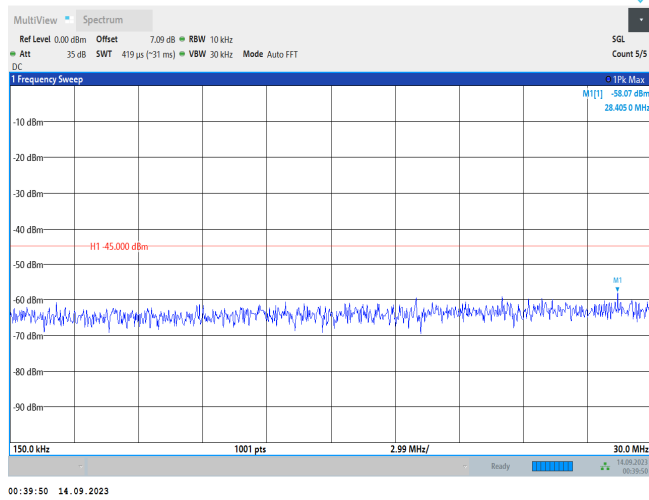
Conducted Spurious Emission

Test Graphs

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



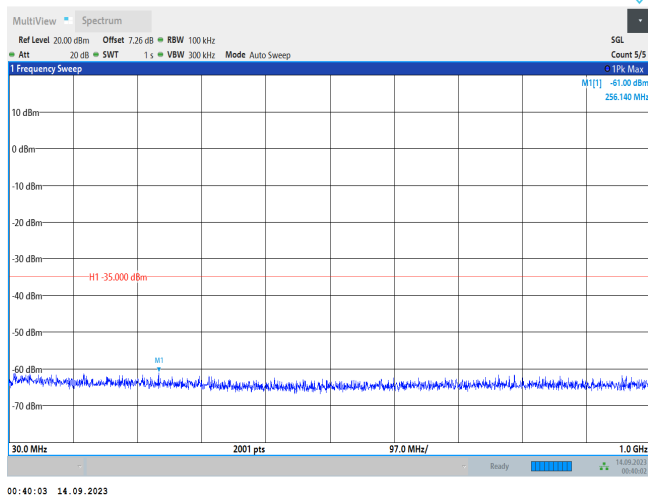
Band7-20MHz-QPSK-20850-1RB#0-Range2:0.15~30MHz



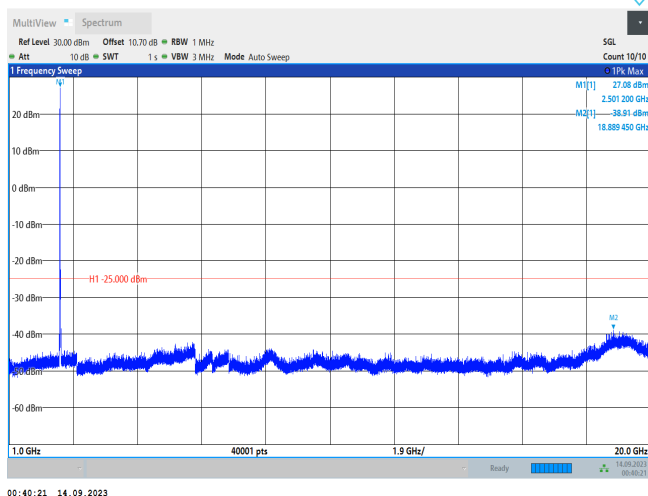
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Band7-20MHz-QPSK-20850-1RB#0-Range3:30~1000MHz



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



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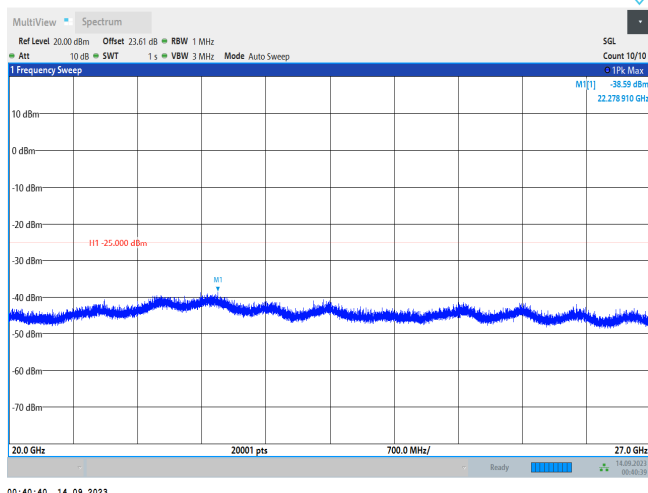
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Band7-20MHz-QPSK-20850-1RB#0-Range5:20000~27000MHz



00:40:40 14.09.2023



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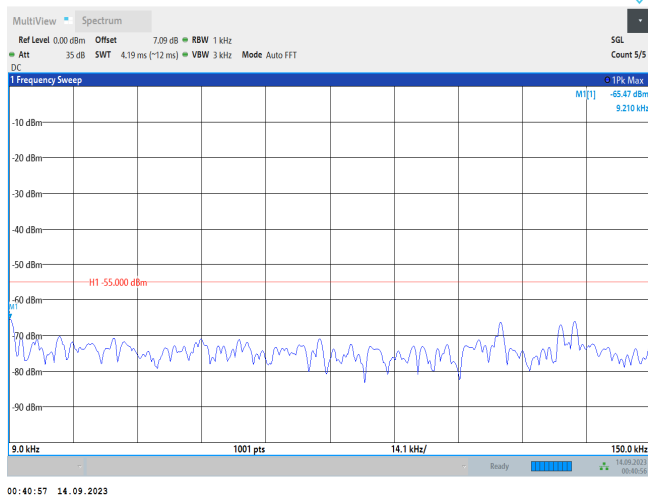
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SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
Wireless Laboratory

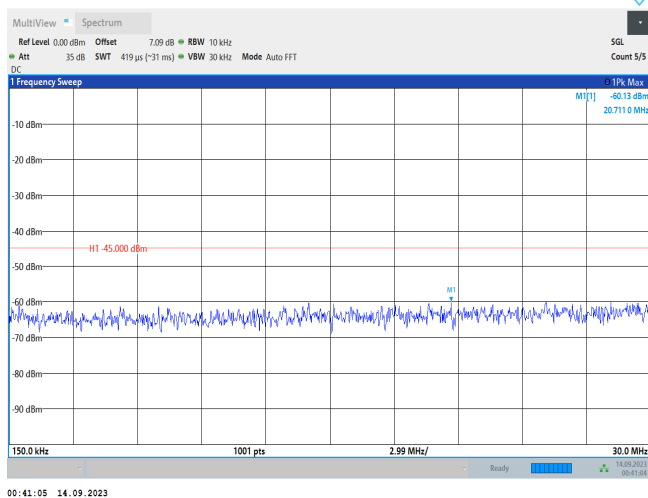
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中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

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



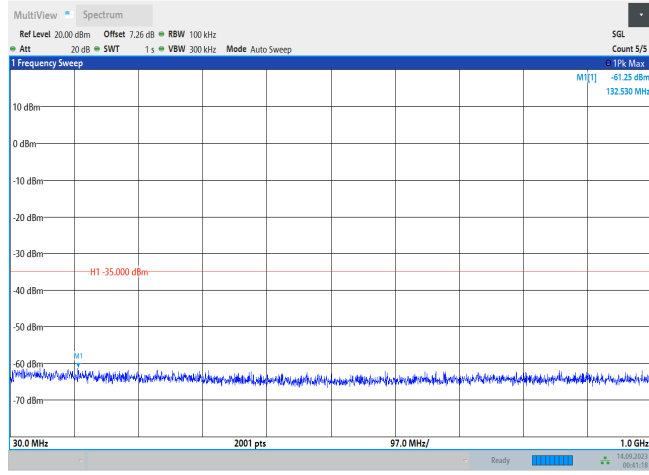
Band7-20MHz-QPSK-21100-1RB#0-Range2:0.15~30MHz



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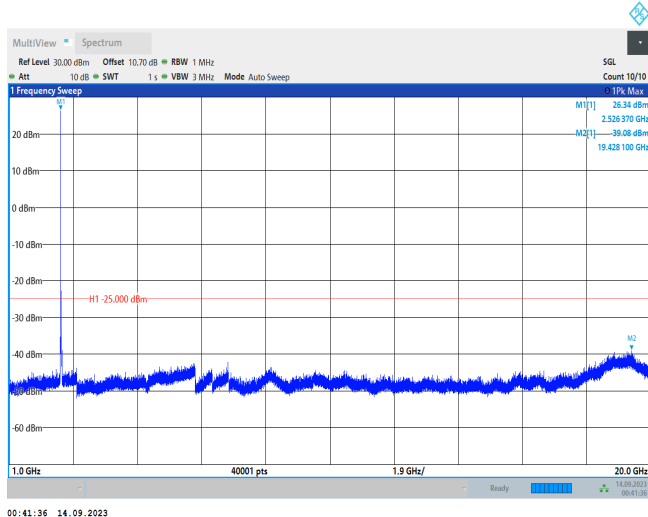
Band7-20MHz-QPSK-21100-1RB#0-Range3:30~1000MHz



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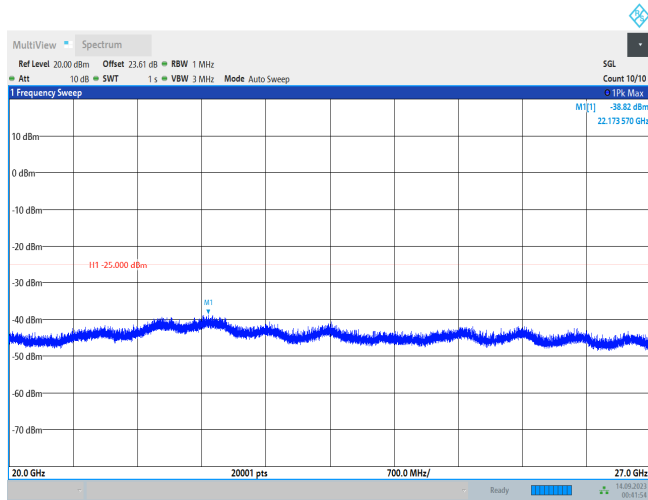
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Band7-20MHz-QPSK-21100-1RB#0-Range4:1000~20000MHz



00:41:36 14.09.2023

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



00:41:55 14.09.2023



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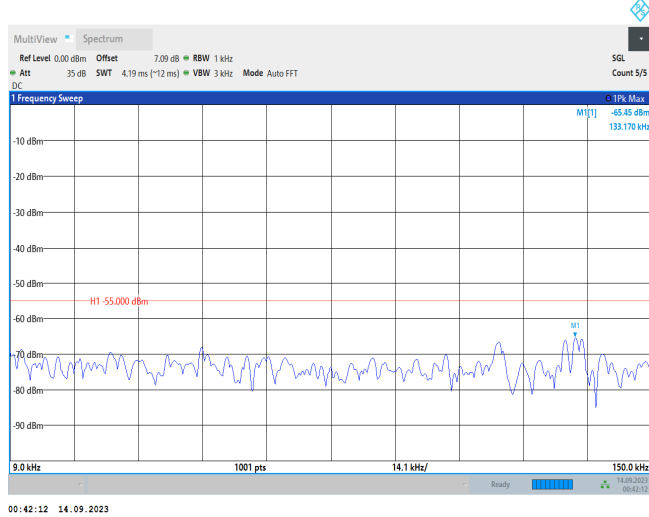


Report No.: XEWM2309000451RG01

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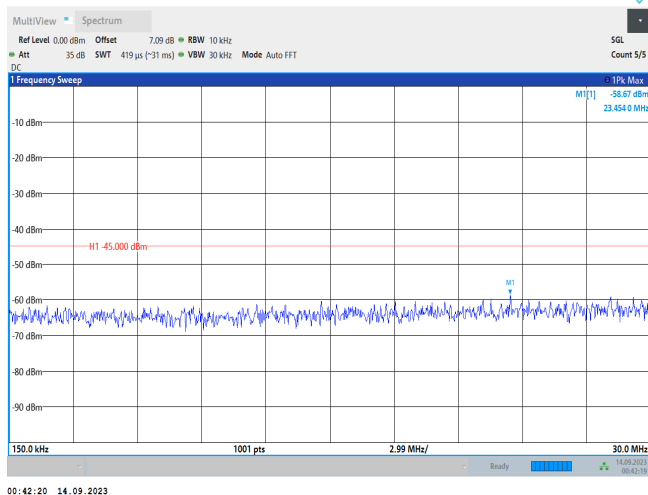
Band7-20MHz-QPSK-21350-1RB#0-Range1:0.009~0.15MHz



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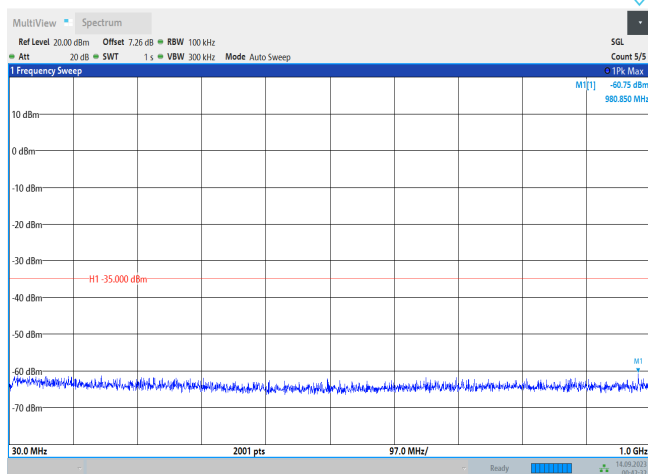
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Band7-20MHz-QPSK-21350-1RB#0-Range2:0.15~30MHz



00:42:20 14.09.2023

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



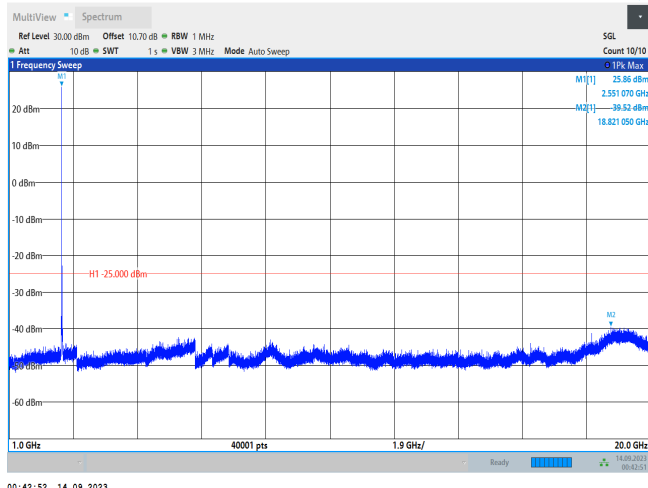
00:42:33 14.09.2023



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



00:42:52 14.09.2023

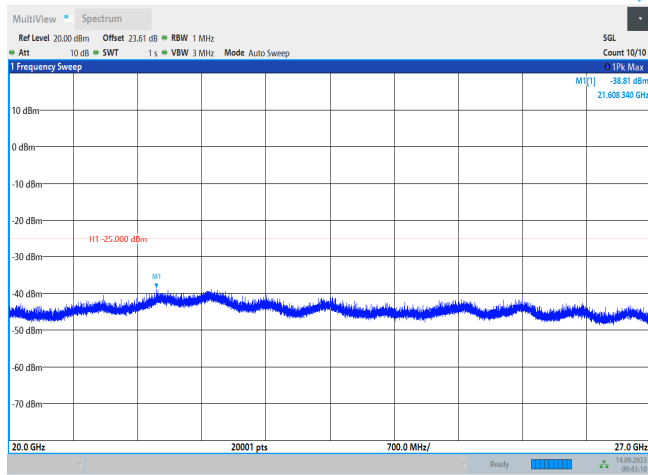


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Band7-20MHz-QPSK-21350-1RB#0-Range5:20000~27000MHz



00:43:10 14.09.2023



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Field Strength of Spurious Radiation

Test Band = LTE_7 ANT 3

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3689.5	47.66	-44.49	29.30	-62.79	-25.00	37.79	Horizontal
2	5134.5	46.12	-42.53	31.71	-59.96	-25.00	34.96	Horizontal
3	6691	45.46	-39.65	35.06	-54.39	-25.00	29.39	Horizontal
4	8479	43.16	-36.57	36.46	-52.21	-25.00	27.21	Horizontal
5	10969.5	43.01	-37.12	40.13	-49.24	-25.00	24.24	Horizontal
6	17997	41.29	-43.06	48.15	-48.88	-25.00	23.88	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3607	47.91	-44.36	28.96	-62.75	-25.00	37.75	Vertical
2	4915.5	46.50	-42.86	30.93	-60.69	-25.00	35.69	Vertical
3	7878	43.80	-37.57	36.63	-52.40	-25.00	27.40	Vertical
4	9881.5	42.45	-35.10	38.45	-49.46	-25.00	24.46	Vertical
5	13637.5	43.38	-37.90	40.14	-49.64	-25.00	24.64	Vertical
6	17994	41.52	-43.09	48.09	-48.74	-25.00	23.74	Vertical



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Test Band = LTE_7 ANT 3

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3780	47.61	-44.85	29.72	-62.78	-25.00	37.78	Horizontal
2	5496	45.54	-41.86	32.38	-59.20	-25.00	34.20	Horizontal
3	7400	43.92	-38.28	36.70	-52.92	-25.00	27.92	Horizontal
4	9885.5	42.45	-35.07	38.48	-49.40	-25.00	24.40	Horizontal
5	13573	42.99	-37.88	40.05	-50.10	-25.00	25.10	Horizontal
6	17984	41.53	-43.17	47.91	-48.99	-25.00	23.99	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3941	47.07	-44.19	29.86	-62.52	-25.00	37.52	Vertical
2	6126.5	45.51	-40.61	33.35	-57.01	-25.00	32.01	Vertical
3	7894	43.73	-37.51	36.54	-52.50	-25.00	27.50	Vertical
4	9899.5	42.53	-34.96	38.60	-49.09	-25.00	24.09	Vertical
5	13644	42.94	-37.91	40.14	-50.09	-25.00	25.09	Vertical
6	17986.5	41.33	-43.15	47.96	-49.12	-25.00	24.12	Vertical



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Test Band = LTE_7 ANT 3

Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3938.5	47.13	-44.19	29.85	-62.47	-25.00	37.47	Horizontal
2	5144.5	46.44	-42.53	31.77	-59.58	-25.00	34.58	Horizontal
3	8439.5	43.55	-36.78	36.42	-52.07	-25.00	27.07	Horizontal
4	9934.5	43.34	-35.87	38.63	-49.16	-25.00	24.16	Horizontal
5	13619	43.01	-37.87	40.12	-50.00	-25.00	25.00	Horizontal
6	17992.5	41.28	-43.10	48.07	-49.01	-25.00	24.01	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3952.5	47.41	-44.18	29.90	-62.13	-25.00	37.13	Vertical
2	5083	46.56	-42.55	31.53	-59.72	-25.00	34.72	Vertical
3	7382.5	44.29	-38.39	36.63	-52.73	-25.00	27.73	Vertical
4	9875	42.40	-35.15	38.40	-49.61	-25.00	24.61	Vertical
5	13605	42.95	-37.85	40.11	-50.05	-25.00	25.05	Vertical
6	17995.5	41.17	-43.08	48.12	-49.05	-25.00	24.05	Vertical



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Test Band = LTE_7 ANT 4

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2993	37.59	-17.43	28.56	-46.54	-25.00	21.54	Horizontal
2	3953	46.72	-44.18	29.89	-62.83	-25.00	37.83	Horizontal
3	5742	45.46	-41.26	32.50	-58.56	-25.00	33.56	Horizontal
4	8392.5	43.02	-36.99	36.47	-52.76	-25.00	27.76	Horizontal
5	11028.5	42.01	-37.15	40.13	-50.27	-25.00	25.27	Horizontal
6	16366	41.51	-35.01	38.70	-50.06	-25.00	25.06	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2969	37.25	-17.14	28.41	-46.74	-25.00	21.74	Vertical
2	3947	46.80	-44.19	29.89	-62.76	-25.00	37.76	Vertical
3	6052.5	44.66	-40.88	33.50	-57.98	-25.00	32.98	Vertical
4	9878	41.64	-35.13	38.42	-50.33	-25.00	25.33	Vertical
5	13647	42.04	-37.92	40.15	-50.99	-25.00	25.99	Vertical
6	17992.5	39.78	-43.10	48.07	-50.51	-25.00	25.51	Vertical



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Test Band = LTE_7 ANT 4

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2972.5	37.61	-17.16	28.44	-46.37	-25.00	21.37	Horizontal
2	3943.5	46.64	-44.19	29.87	-62.94	-25.00	37.94	Horizontal
3	5741.5	45.54	-41.26	32.50	-58.48	-25.00	33.48	Horizontal
4	7496	43.41	-38.29	36.89	-53.25	-25.00	28.25	Horizontal
5	11099.5	42.69	-37.59	40.20	-49.96	-25.00	24.96	Horizontal
6	16393	41.15	-34.86	38.78	-50.19	-25.00	25.19	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2999	37.87	-17.44	28.59	-46.24	-25.00	21.24	Vertical
2	3708	47.65	-44.54	29.35	-62.80	-25.00	37.80	Vertical
3	5756	45.42	-41.30	32.49	-58.65	-25.00	33.65	Vertical
4	8981	42.41	-36.09	36.78	-52.16	-25.00	27.16	Vertical
5	11099.5	42.83	-37.59	40.20	-49.82	-25.00	24.82	Vertical
6	17991.5	39.98	-43.11	48.05	-50.34	-25.00	25.34	Vertical



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Test Band = LTE_7 ANT 4

Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2973.5	37.47	-17.18	28.44	-46.53	-25.00	21.53	Horizontal
2	4186	46.68	-43.65	29.54	-62.69	-25.00	37.69	Horizontal
3	7494.5	43.51	-38.29	36.89	-53.15	-25.00	28.15	Horizontal
4	9886.5	41.19	-35.06	38.49	-50.64	-25.00	25.64	Horizontal
5	13563.5	41.89	-37.89	40.03	-51.23	-25.00	26.23	Horizontal
6	16355.5	41.50	-35.06	38.67	-50.15	-25.00	25.15	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2994	37.38	-17.43	28.56	-46.75	-25.00	21.75	Vertical
2	3952	46.73	-44.18	29.90	-62.81	-25.00	37.81	Vertical
3	5691.5	45.05	-41.17	32.50	-58.88	-25.00	33.88	Vertical
4	7463	43.28	-38.29	36.83	-53.44	-25.00	28.44	Vertical
5	11092	42.45	-37.54	40.19	-50.16	-25.00	25.16	Vertical
6	16398.5	41.00	-34.83	38.80	-50.29	-25.00	25.29	Vertical



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Test Band = LTE_7 ANT 5

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3949.5	47.12	-44.19	29.90	-62.43	-25.00	37.43	Horizontal
2	5701	45.67	-41.14	32.50	-58.23	-25.00	33.23	Horizontal
3	7487.5	44.15	-38.29	36.88	-52.52	-25.00	27.52	Horizontal
4	9911.5	42.29	-35.26	38.61	-49.62	-25.00	24.62	Horizontal
5	13566.5	42.91	-37.89	40.03	-50.21	-25.00	25.21	Horizontal
6	16599.5	41.92	-35.34	39.50	-49.18	-25.00	24.18	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3954	46.82	-44.18	29.89	-62.73	-25.00	37.73	Vertical
2	5982.5	45.78	-41.23	32.97	-57.74	-25.00	32.74	Vertical
3	8450.5	43.67	-36.72	36.40	-51.91	-25.00	26.91	Vertical
4	11028.5	42.62	-37.15	40.13	-49.66	-25.00	24.66	Vertical
5	13568	42.97	-37.89	40.04	-50.14	-25.00	25.14	Vertical
6	16397	42.32	-34.84	38.79	-48.99	-25.00	23.99	Vertical



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Test Band = LTE_7 ANT 5

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3686.5	47.13	-44.49	29.30	-63.32	-25.00	38.32	Horizontal
2	5645	46.31	-41.31	32.51	-57.75	-25.00	32.75	Horizontal
3	7421.5	43.98	-38.28	36.74	-52.82	-25.00	27.82	Horizontal
4	9918	42.45	-35.43	38.62	-49.62	-25.00	24.62	Horizontal
5	13561.5	43.65	-37.90	40.02	-49.49	-25.00	24.49	Horizontal
6	17992.5	41.37	-43.10	48.07	-48.92	-25.00	23.92	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3744.5	47.06	-44.70	29.57	-63.33	-25.00	38.33	Vertical
2	5435	45.25	-41.94	32.29	-59.66	-25.00	34.66	Vertical
3	7056	44.27	-39.36	36.16	-54.19	-25.00	29.19	Vertical
4	9781.5	42.20	-35.84	38.43	-50.47	-25.00	25.47	Vertical
5	11237.5	44.29	-39.35	40.16	-50.16	-25.00	25.16	Vertical
6	16394.5	42.29	-34.85	38.78	-49.04	-25.00	24.04	Vertical



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Test Band = LTE_7 ANT 5

Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3925.5	47.17	-44.19	29.80	-62.48	-25.00	37.48	Horizontal
2	5840.5	46.29	-41.30	32.56	-57.71	-25.00	32.71	Horizontal
3	7973	44.19	-37.32	36.40	-51.99	-25.00	26.99	Horizontal
4	10971	42.52	-37.11	40.13	-49.72	-25.00	24.72	Horizontal
5	13411	44.41	-38.72	39.63	-49.94	-25.00	24.94	Horizontal
6	17987.5	41.08	-43.14	47.98	-49.34	-25.00	24.34	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3858.5	46.82	-44.50	29.70	-63.24	-25.00	38.24	Vertical
2	5343.5	45.82	-42.17	32.16	-59.45	-25.00	34.45	Vertical
3	7447.5	44.05	-38.28	36.80	-52.69	-25.00	27.69	Vertical
4	9915	42.39	-35.35	38.62	-49.60	-25.00	24.60	Vertical
5	13558	43.07	-37.90	40.02	-50.07	-25.00	25.07	Vertical
6	17987	41.29	-43.14	47.97	-49.14	-25.00	24.14	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	-1.70	-0.000671	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-11.30	-0.004458	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-1.30	-0.000513	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	-11.30	-0.004458	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	5.40	0.002130	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-4.10	-0.001617	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-4.00	-0.001578	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-13.80	-0.005444	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	1.80	0.000710	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-6.50	-0.002564	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-8.90	-0.003511	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-8.40	-0.003314	PASS

---End of Attachment---



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