

Appendix B.6

LTE Band 7



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Effective (Isotropic) Radiated Power Output Data

Test Result

Ant31

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.73	22.99	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	21.72	21.98	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.02	23.28	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.98	22.24	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.05	23.31	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.1	22.36	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.05	22.31	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	20.81	21.07	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.36	22.62	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	21	21.26	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.35	22.61	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.06	21.32	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.22	21.48	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	20.75	21.01	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.27	21.53	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.04	21.3	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.47	21.73	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.11	21.37	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	18.08	18.34	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	18.83	19.09	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	18.53	18.79	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	18.99	19.25	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	18.46	18.72	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	19.07	19.33	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	22.73	22.99	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	21.76	22.02	33.00	PASS



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Band7	5MHz	64QAM	20775	1RB#24	23.12	23.38	33.00	PASS
Band7	5MHz	64QAM	20775	25RB#0	21.98	22.24	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	22.98	23.24	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	22.04	22.3	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	22.02	22.28	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	20.79	21.05	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	22.29	22.55	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	20.99	21.25	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	22.39	22.65	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	21.08	21.34	33.00	PASS
Band7	5MHz	256QAM	20775	1RB#0	21.08	21.34	33.00	PASS
Band7	5MHz	256QAM	20775	1RB#12	20.82	21.08	33.00	PASS
Band7	5MHz	256QAM	20775	1RB#24	21.43	21.69	33.00	PASS
Band7	5MHz	256QAM	20775	25RB#0	21.09	21.35	33.00	PASS
Band7	5MHz	256QAM	21100	1RB#0	21.44	21.7	33.00	PASS
Band7	5MHz	256QAM	21100	1RB#12	21.07	21.33	33.00	PASS
Band7	5MHz	256QAM	21100	1RB#24	18.16	18.42	33.00	PASS
Band7	5MHz	256QAM	21100	25RB#0	18.73	18.99	33.00	PASS
Band7	5MHz	256QAM	21425	1RB#0	18.26	18.52	33.00	PASS
Band7	5MHz	256QAM	21425	1RB#12	19.02	19.28	33.00	PASS
Band7	5MHz	256QAM	21425	1RB#24	18.35	18.61	33.00	PASS
Band7	5MHz	256QAM	21425	25RB#0	19	19.26	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.67	22.93	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	21.79	22.05	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.87	23.13	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.97	22.23	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.95	23.21	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	21.95	22.21	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.01	22.27	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	20.78	21.04	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.16	22.42	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	20.92	21.18	33.00	PASS



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Band7	10MHz	QPSK	21400	1RB#49	22.34	22.6	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.02	21.28	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.2	21.46	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	20.81	21.07	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.2	21.46	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.02	21.28	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.47	21.73	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.05	21.31	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	17.97	18.23	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	18.8	19.06	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	18.21	18.47	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	18.93	19.19	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	18.24	18.5	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	18.99	19.25	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	22.63	22.89	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	21.84	22.1	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	22.84	23.1	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	21.99	22.25	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	22.99	23.25	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#24	22.03	22.29	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	21.94	22.2	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	20.86	21.12	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	22.22	22.48	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	21.03	21.29	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	22.28	22.54	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	21.11	21.37	33.00	PASS
Band7	10MHz	256QAM	20800	1RB#0	21.18	21.44	33.00	PASS
Band7	10MHz	256QAM	20800	1RB#24	20.84	21.1	33.00	PASS
Band7	10MHz	256QAM	20800	1RB#49	21.27	21.53	33.00	PASS
Band7	10MHz	256QAM	20800	50RB#0	21	21.26	33.00	PASS
Band7	10MHz	256QAM	21100	1RB#0	21.41	21.67	33.00	PASS
Band7	10MHz	256QAM	21100	1RB#24	21.11	21.37	33.00	PASS



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Band7	10MHz	256QAM	21100	1RB#49	18.21	18.47	33.00	PASS
Band7	10MHz	256QAM	21100	50RB#0	18.83	19.09	33.00	PASS
Band7	10MHz	256QAM	21400	1RB#0	18.29	18.55	33.00	PASS
Band7	10MHz	256QAM	21400	1RB#24	19.01	19.27	33.00	PASS
Band7	10MHz	256QAM	21400	1RB#49	18.41	18.67	33.00	PASS
Band7	10MHz	256QAM	21400	50RB#0	19.02	19.28	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	21.82	22.08	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.65	22.91	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	21.98	22.24	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.07	21.33	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.03	22.29	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.94	23.2	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	20.93	21.19	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.03	22.29	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	21.02	21.28	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.17	22.43	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	21	21.26	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.31	22.57	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	20.89	21.15	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.32	21.58	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.01	21.27	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.42	21.68	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.11	21.37	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.61	21.87	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	18.8	19.06	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	18.1	18.36	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	19.03	19.29	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	18.15	18.41	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	19.05	19.31	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	18.45	18.71	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	21.84	22.1	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	22.65	22.91	33.00	PASS



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Band7	15MHz	64QAM	20825	1RB#74	21.9	22.16	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	22.92	23.18	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	22.01	22.27	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	22.95	23.21	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	20.86	21.12	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	22.22	22.48	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	20.98	21.24	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#38	22.1	22.36	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	21.03	21.29	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	22.28	22.54	33.00	PASS
Band7	15MHz	256QAM	20825	1RB#0	20.82	21.08	33.00	PASS
Band7	15MHz	256QAM	20825	1RB#38	21.22	21.48	33.00	PASS
Band7	15MHz	256QAM	20825	1RB#74	21.03	21.29	33.00	PASS
Band7	15MHz	256QAM	20825	75RB#0	21.39	21.65	33.00	PASS
Band7	15MHz	256QAM	21100	1RB#0	21.07	21.33	33.00	PASS
Band7	15MHz	256QAM	21100	1RB#38	21.32	21.58	33.00	PASS
Band7	15MHz	256QAM	21100	1RB#74	18.84	19.1	33.00	PASS
Band7	15MHz	256QAM	21100	75RB#0	18.14	18.4	33.00	PASS
Band7	15MHz	256QAM	21375	1RB#0	18.96	19.22	33.00	PASS
Band7	15MHz	256QAM	21375	1RB#38	18.22	18.48	33.00	PASS
Band7	15MHz	256QAM	21375	1RB#74	19.02	19.28	33.00	PASS
Band7	15MHz	256QAM	21375	75RB#0	18.3	18.56	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	21.85	22.11	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.66	22.92	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	21.98	22.24	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.8	23.06	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	21.98	22.24	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.96	23.22	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	20.88	21.14	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.05	22.31	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	20.95	21.21	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.11	22.37	33.00	PASS



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Band7	20MHz	QPSK	21350	1RB#99	21	21.26	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.22	22.48	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	20.85	21.11	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.28	21.54	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.02	21.28	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.27	21.53	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.07	21.33	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.31	21.57	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	18.85	19.11	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	18.17	18.43	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	18.96	19.22	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	18.32	18.58	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	19.08	19.34	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	18.3	18.56	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	22.73	22.99	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	21.72	21.98	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	23.02	23.28	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	21.98	22.24	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	23.05	23.31	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	22.1	22.36	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	22.05	22.31	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	20.81	21.07	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#0	22.36	22.62	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#49	21	21.26	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	22.35	22.61	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	21.06	21.32	33.00	PASS
Band7	20MHz	256QAM	20850	1RB#0	21.22	21.48	33.00	PASS
Band7	20MHz	256QAM	20850	1RB#49	20.75	21.01	33.00	PASS
Band7	20MHz	256QAM	20850	1RB#99	21.27	21.53	33.00	PASS
Band7	20MHz	256QAM	20850	100RB#0	21.04	21.3	33.00	PASS
Band7	20MHz	256QAM	21100	1RB#0	21.47	21.73	33.00	PASS
Band7	20MHz	256QAM	21100	1RB#49	21.11	21.37	33.00	PASS



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Rev.: 01

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Band7	20MHz	256QAM	21100	1RB#99	18.08	18.34	33.00	PASS
Band7	20MHz	256QAM	21100	100RB#0	18.83	19.09	33.00	PASS
Band7	20MHz	256QAM	21350	1RB#0	18.53	18.79	33.00	PASS
Band7	20MHz	256QAM	21350	1RB#49	18.99	19.25	33.00	PASS
Band7	20MHz	256QAM	21350	1RB#99	18.46	18.72	33.00	PASS
Band7	20MHz	256QAM	21350	100RB#0	19.07	19.33	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	5.18	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.88	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.62	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.94	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.86	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.76	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.44	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.26	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.20	13	PASS
Band7	20MHz	256QAM	20850	100RB#0	6.62	13	PASS
Band7	20MHz	256QAM	21100	100RB#0	6.50	13	PASS
Band7	20MHz	256QAM	21350	100RB#0	6.46	13	PASS



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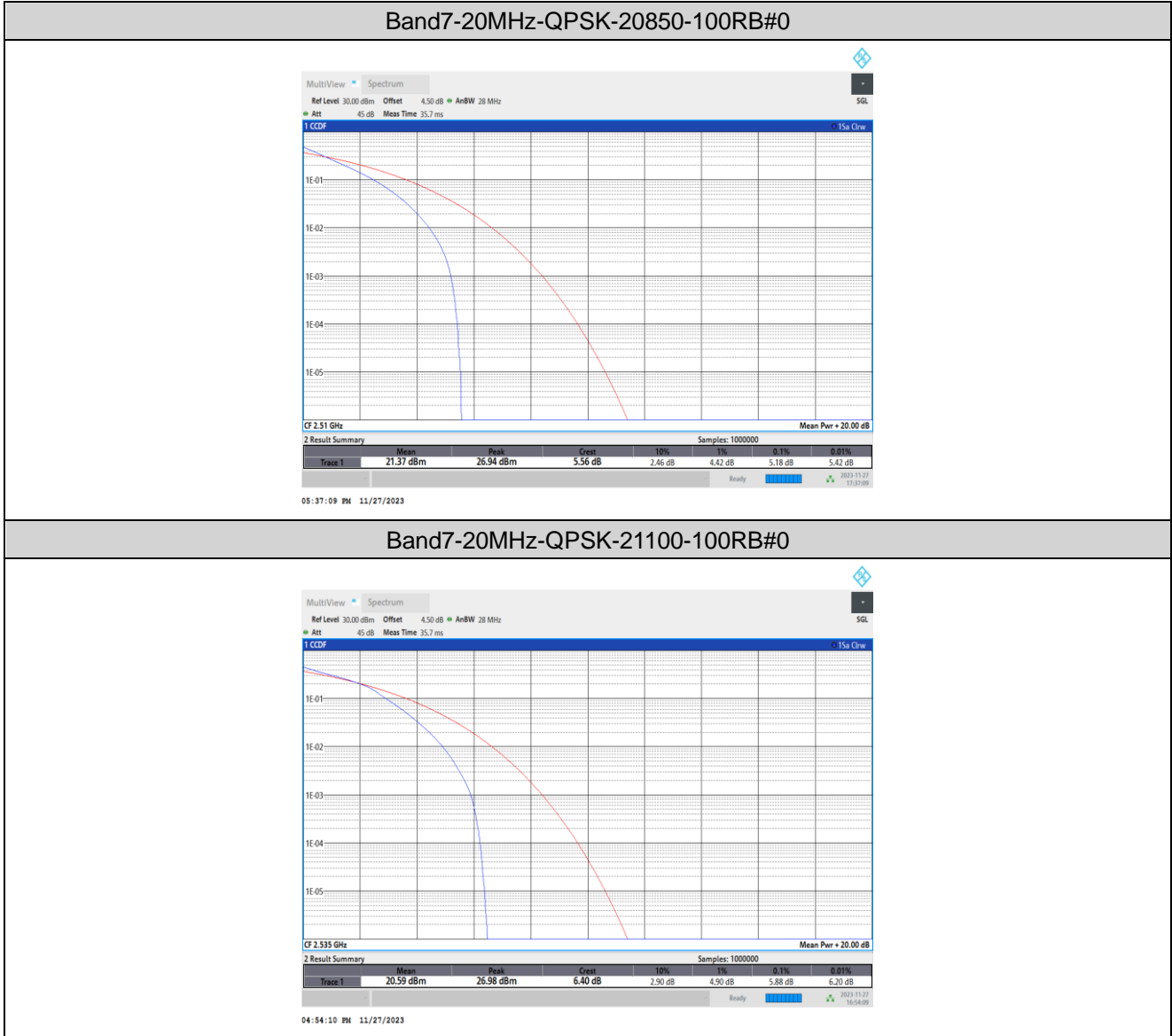
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Test Graphs

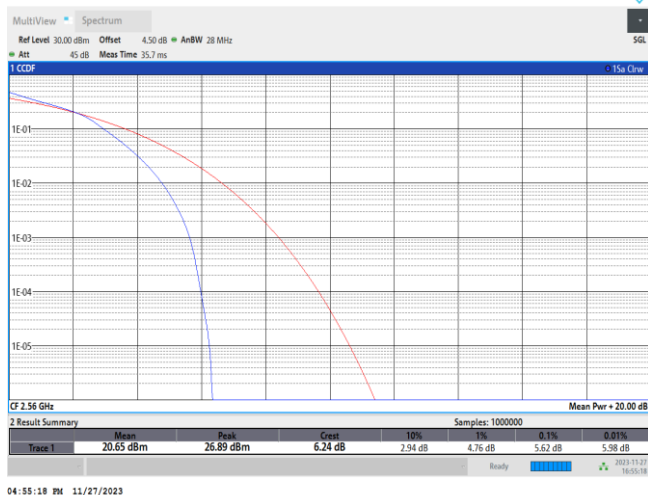


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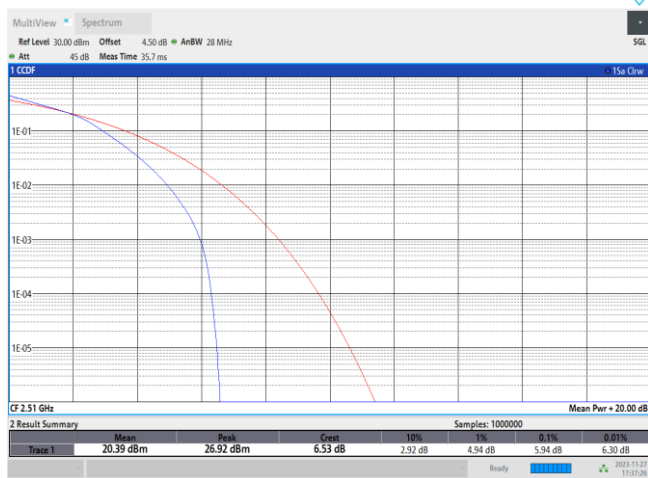
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Band7-20MHz-QPSK-21350-100RB#0



04:55:18 PM 11/27/2023

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



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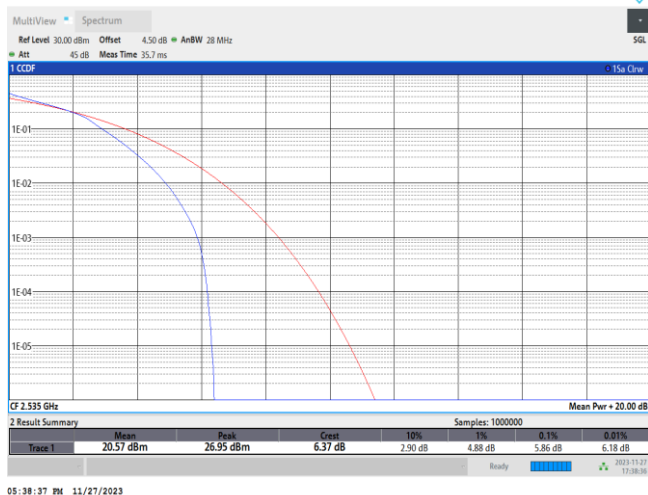


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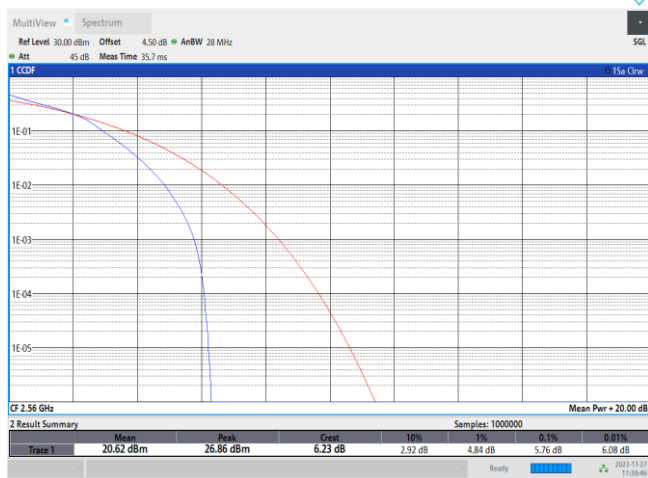
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Band7-20MHz-16QAM-21100-100RB#0



05:38:37 PM 11/27/2023

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



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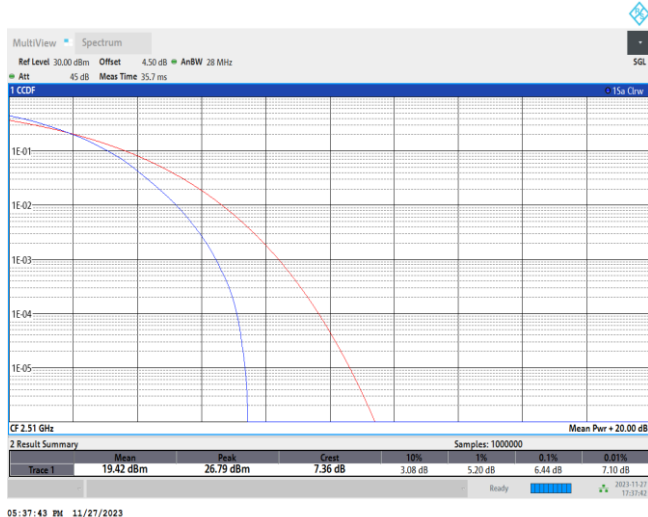


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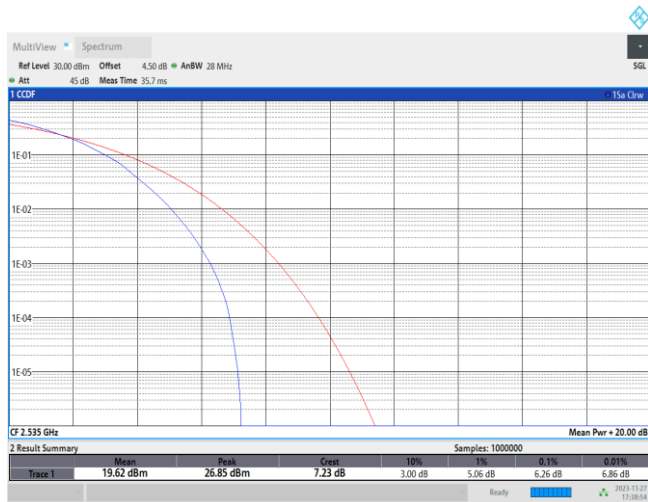
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Band7-20MHz-64QAM-20850-100RB#0



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



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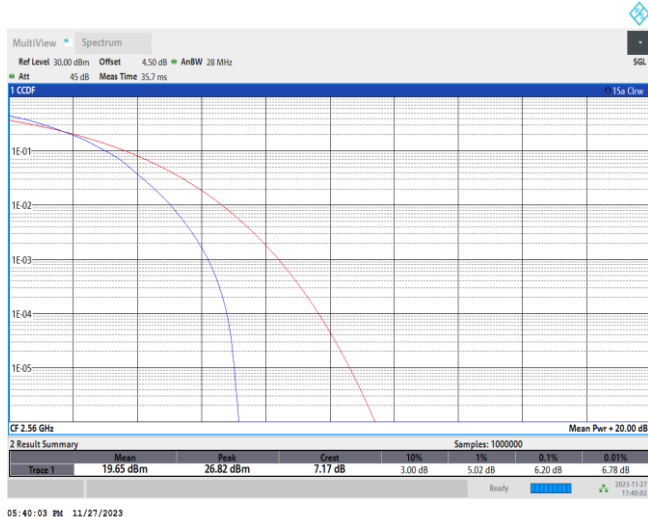


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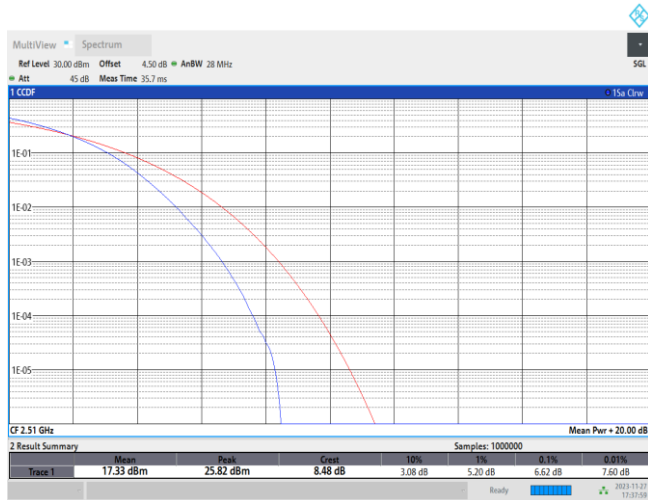
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Band7-20MHz-64QAM-21350-100RB#0



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Band7-20MHz-256QAM-20850-100RB#0



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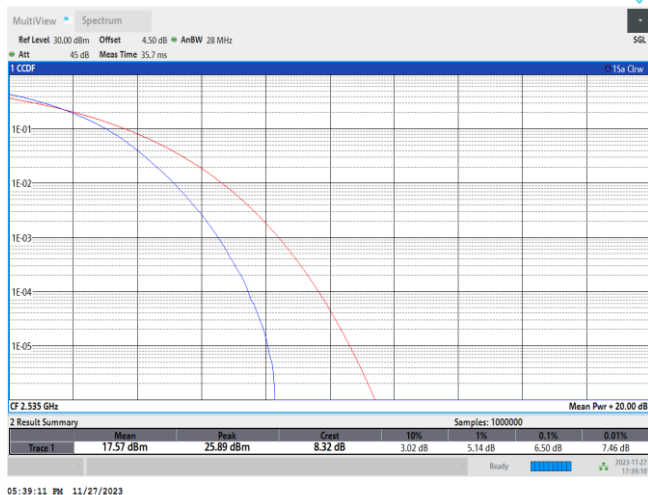


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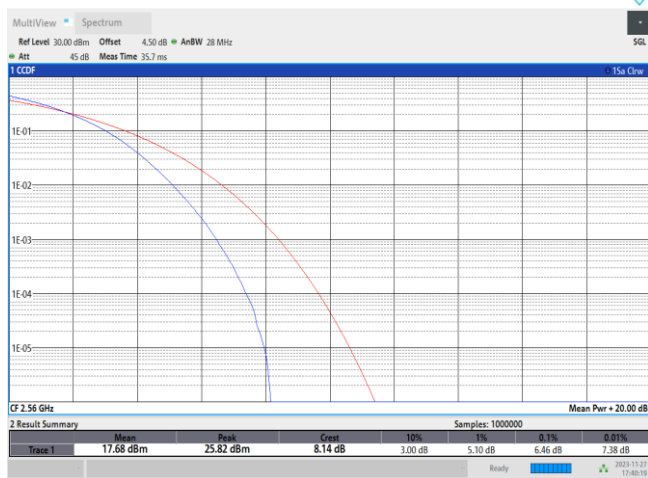
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Band7-20MHz-256QAM-21100-100RB#0



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Band7-20MHz-256QAM-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	21100	25RB#0	4.482	5.08	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.46	4.96	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.504	5.08	PASS
Band7	5MHz	256QAM	21100	25RB#0	4.471	4.95	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.951	9.68	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.947	9.62	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.936	9.60	PASS
Band7	10MHz	256QAM	21100	50RB#0	8.953	9.76	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.495	14.76	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.449	14.79	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.466	14.91	PASS
Band7	15MHz	256QAM	21100	75RB#0	13.418	14.79	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.908	19.44	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.954	19.52	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.913	19.24	PASS
Band7	20MHz	256QAM	21100	100RB#0	17.95	19.56	PASS



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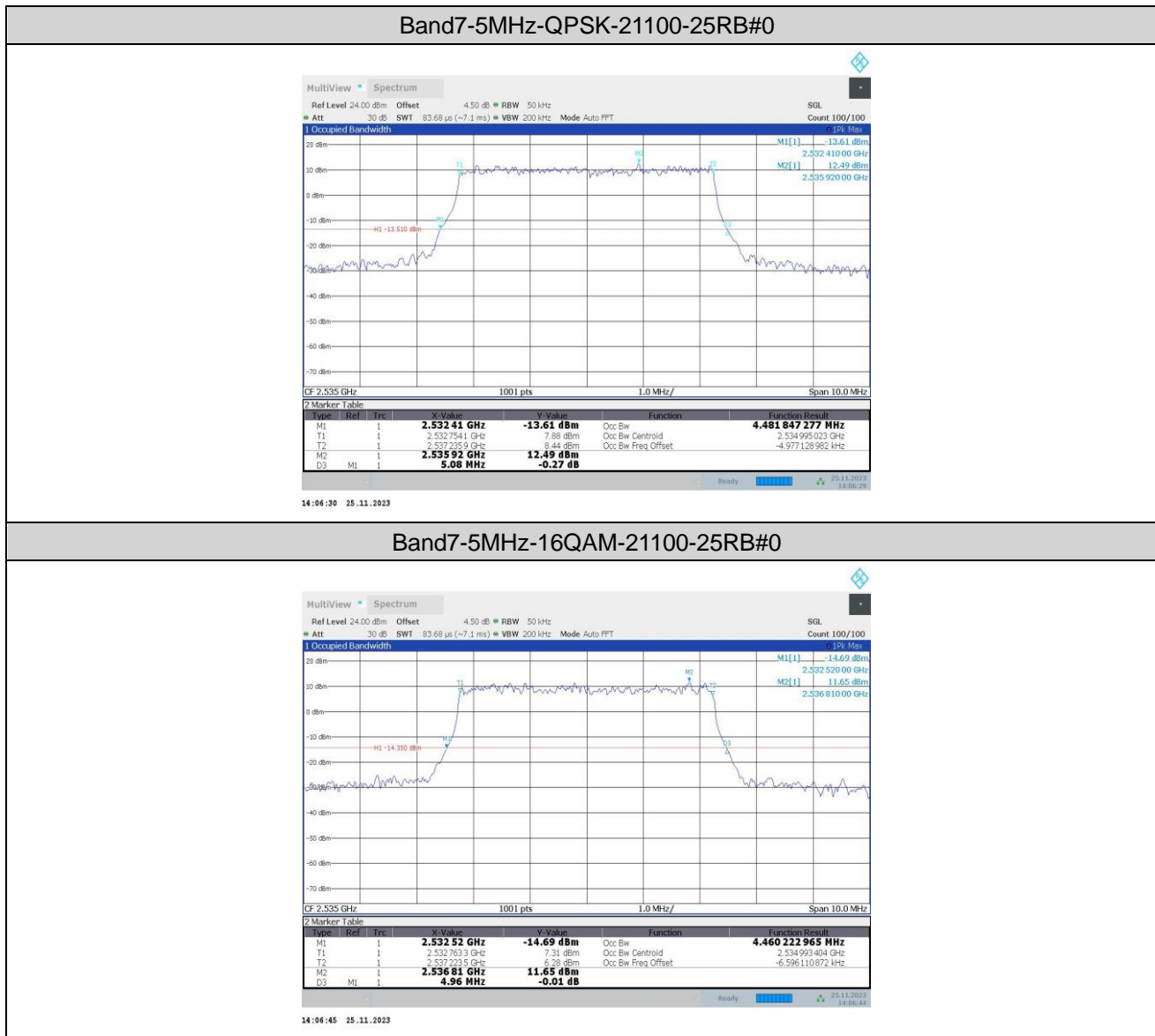
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t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Test Graphs

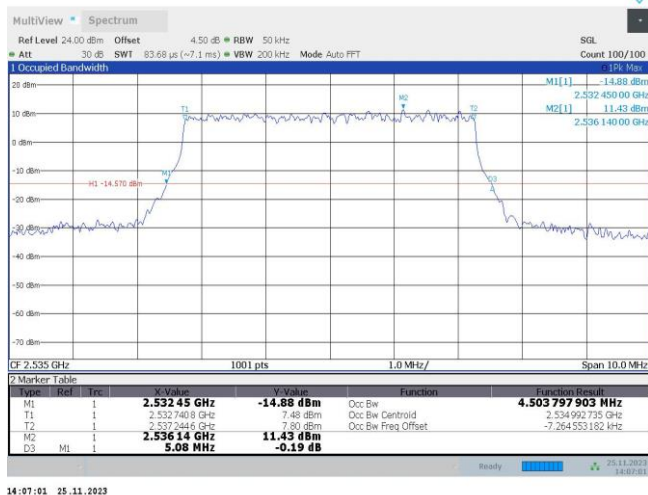


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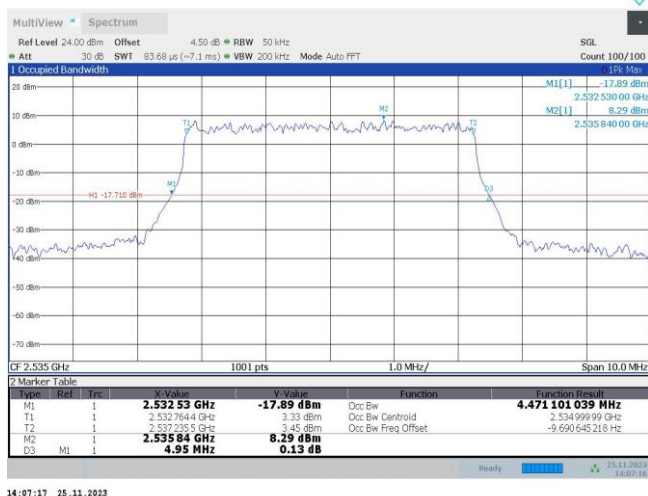
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Band7-5MHz-64QAM-21100-25RB#0



14:07:01 25.11.2023

Band7-5MHz-256QAM-21100-25RB#0



14:07:17 25.11.2023

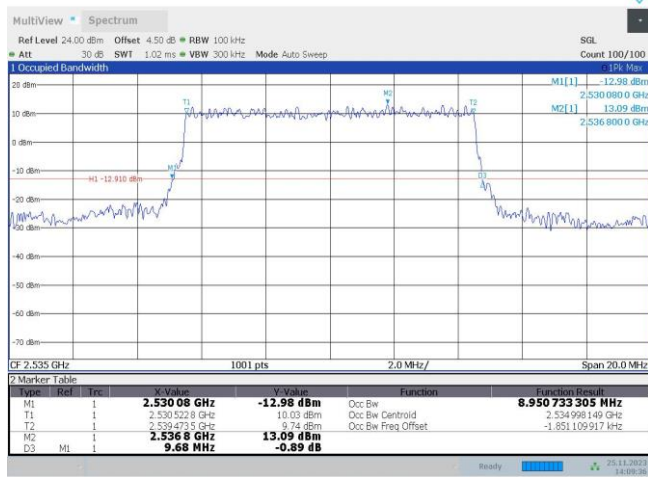


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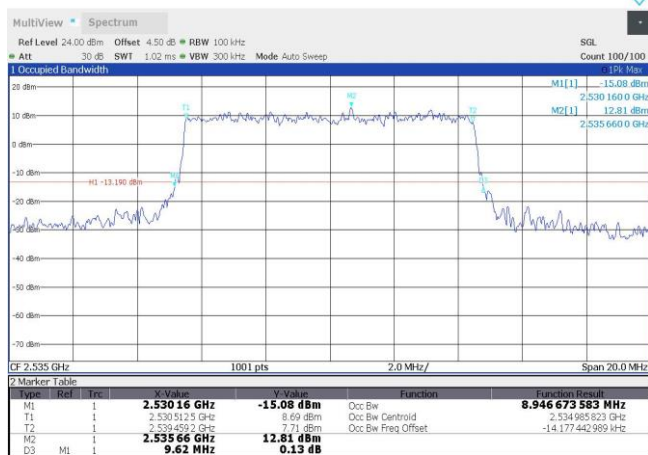
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Band7-10MHz-QPSK-21100-50RB#0



14:09:36 25.11.2023

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



14:09:52 25.11.2023

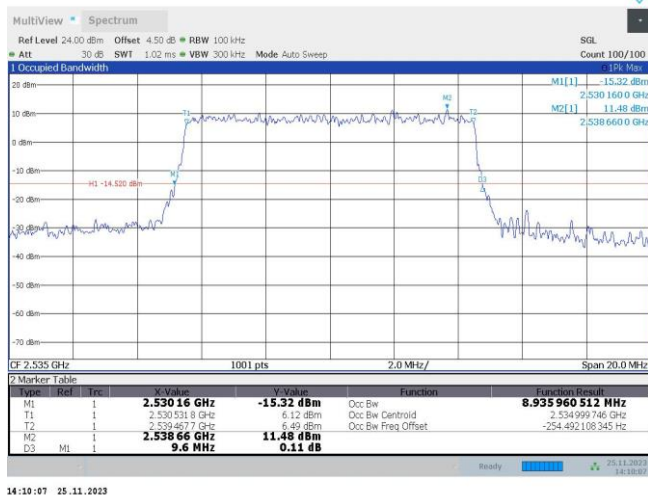


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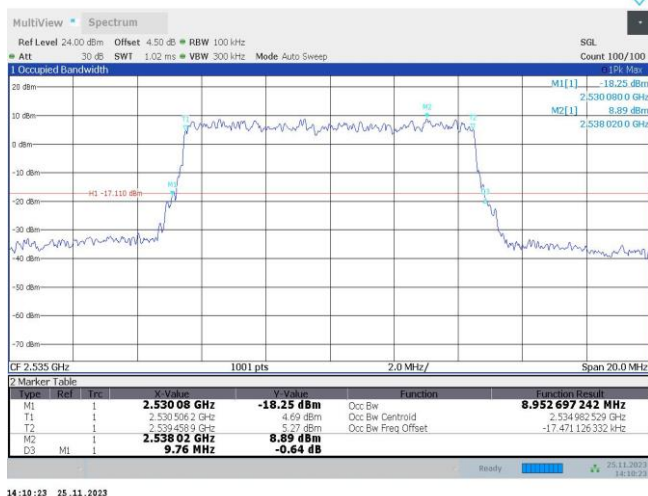
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Band7-10MHz-64QAM-21100-50RB#0



Band7-10MHz-256QAM-21100-50RB#0

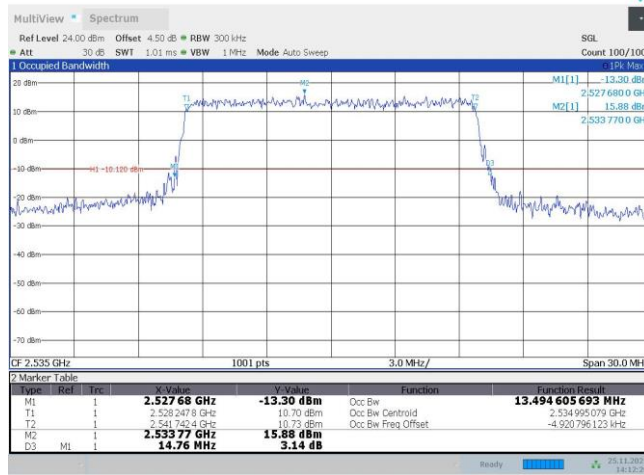


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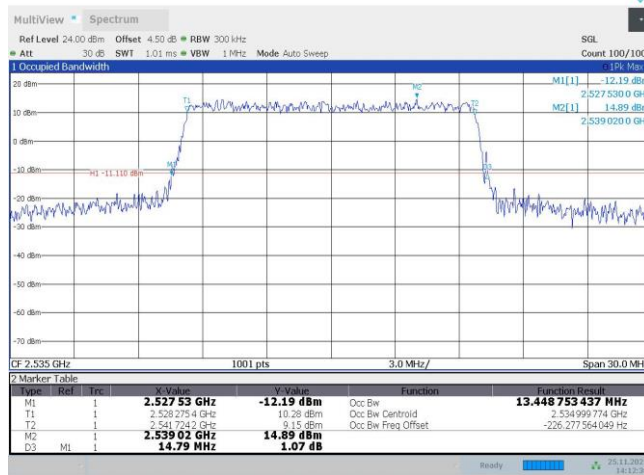
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Band7-15MHz-QPSK-21100-75RB#0



14:12:20 25.11.2023

Band7-15MHz-16QAM-21100-75RB#0



14:12:36 25.11.2023

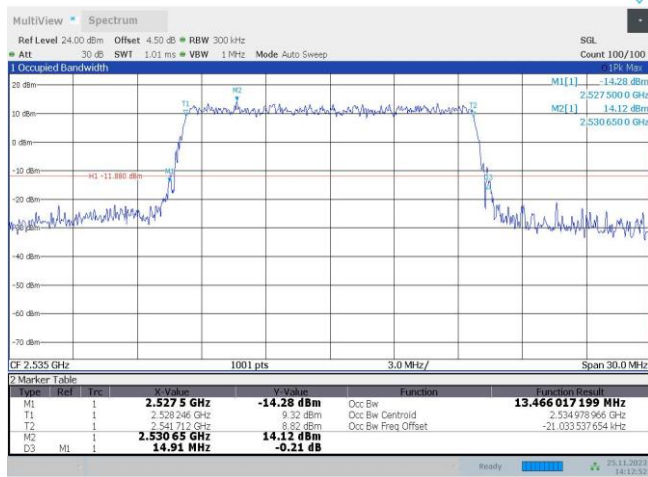


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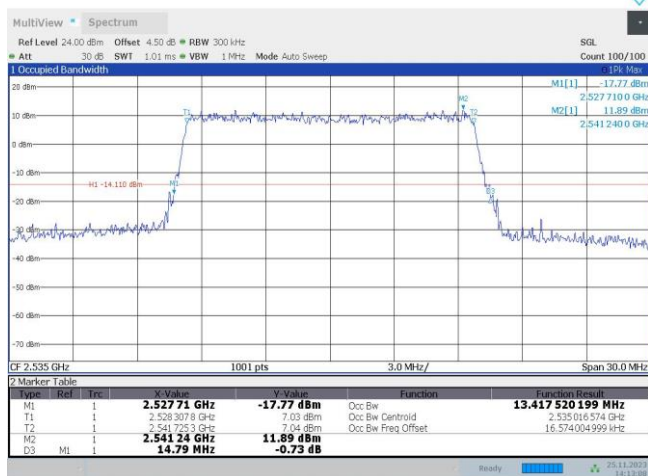
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Band7-15MHz-64QAM-21100-75RB#0



14:12:52 25.11.2023

Band7-15MHz-256QAM-21100-75RB#0



14:13:08 25.11.2023

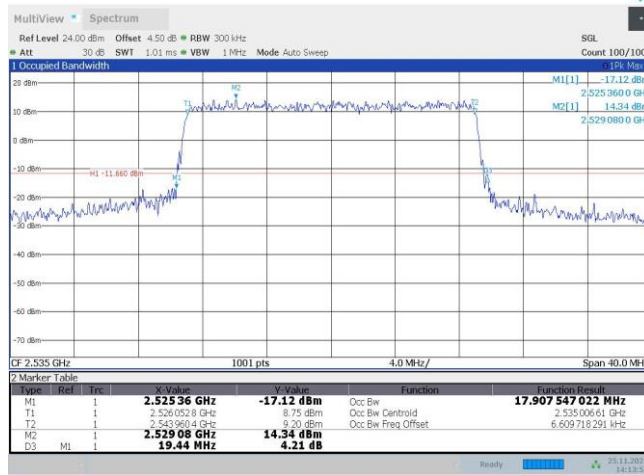


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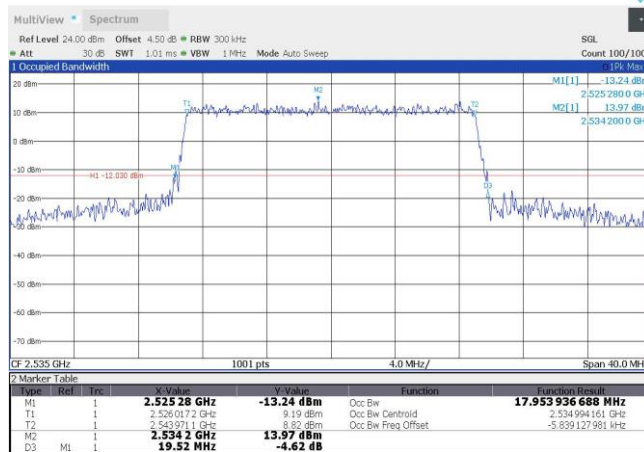
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Band7-20MHz-QPSK-21100-100RB#0



14:13:53 25.11.2023

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



14:14:09 25.11.2023

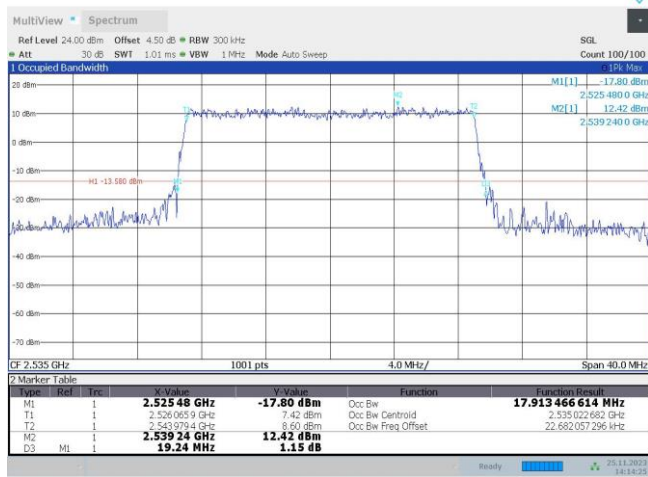


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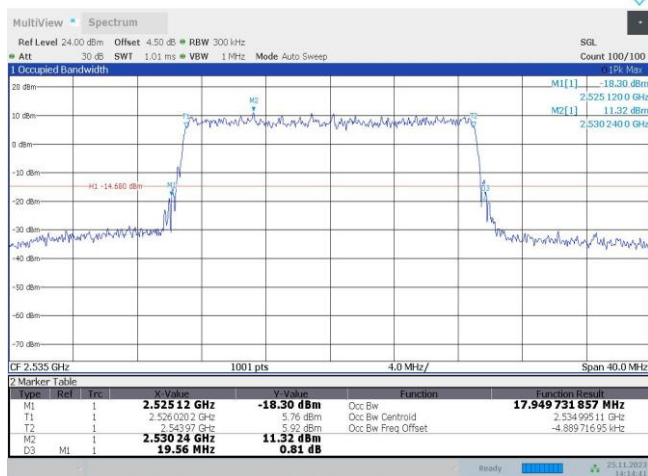
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Band7-20MHz-64QAM-21100-100RB#0



14:14:26 25.11.2023

Band7-20MHz-256QAM-21100-100RB#0



14:14:42 25.11.2023



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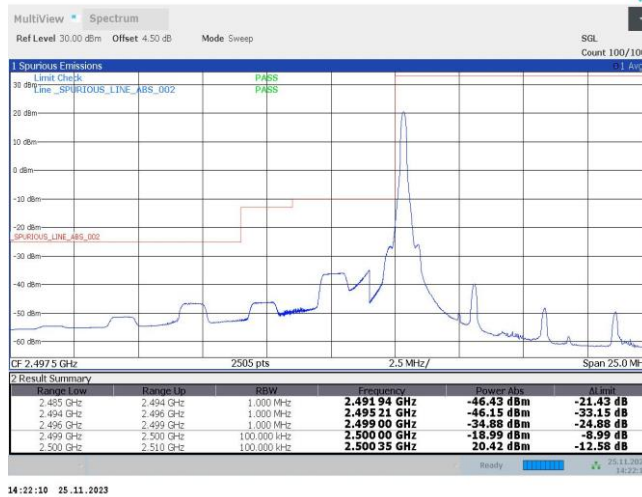
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Band Edge

Test Graphs

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



14:22:10 25.11.2023

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



14:24:56 25.11.2023



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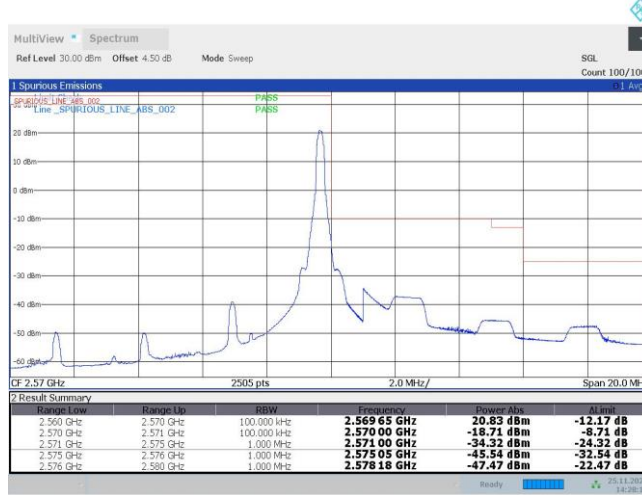
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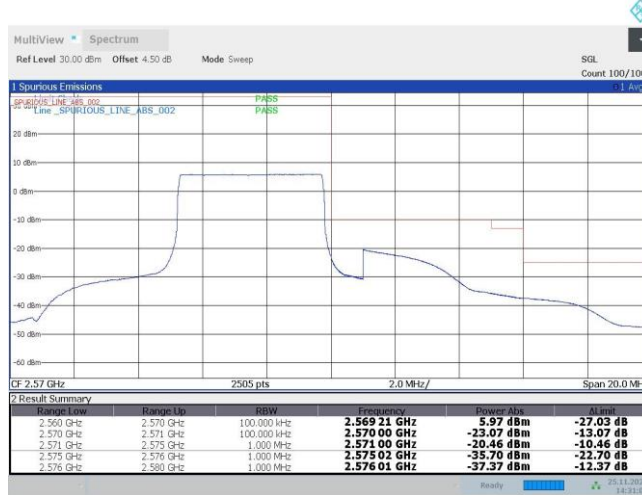
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Band7-5MHz-QPSK-21425-1RB#24



14:28:19 25.11.2023

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



14:31:04 25.11.2023

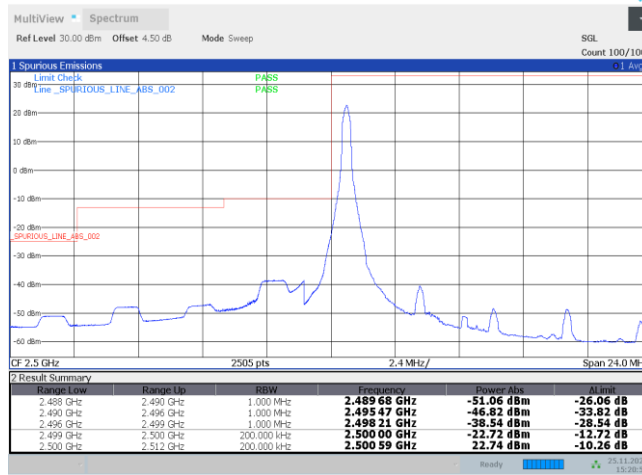


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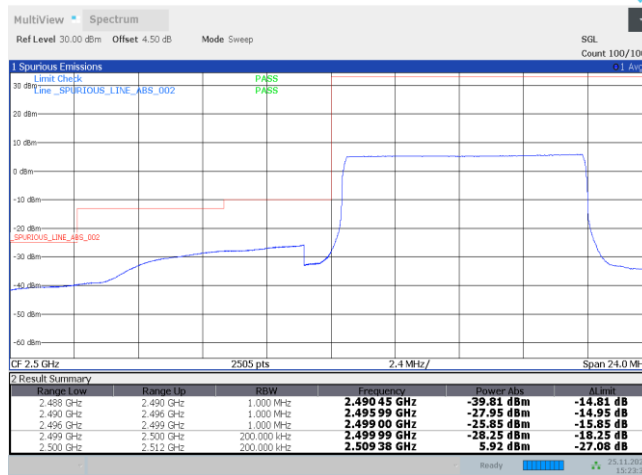
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Band7-10MHz-QPSK-20800-1RB#0



15:20:52 25.11.2023

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



15:23:37 25.11.2023

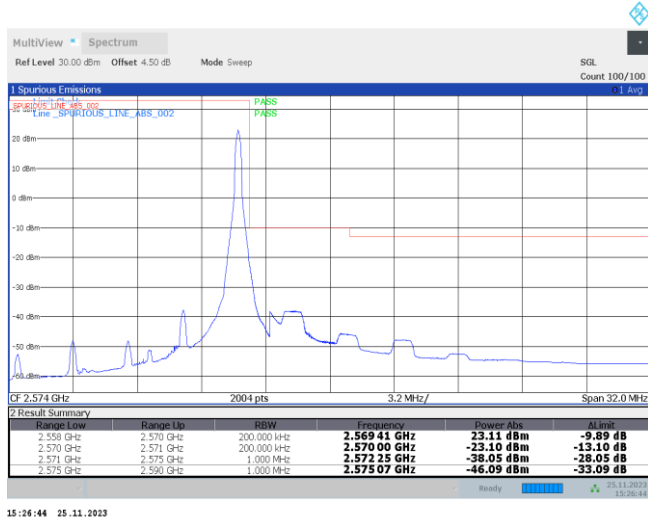


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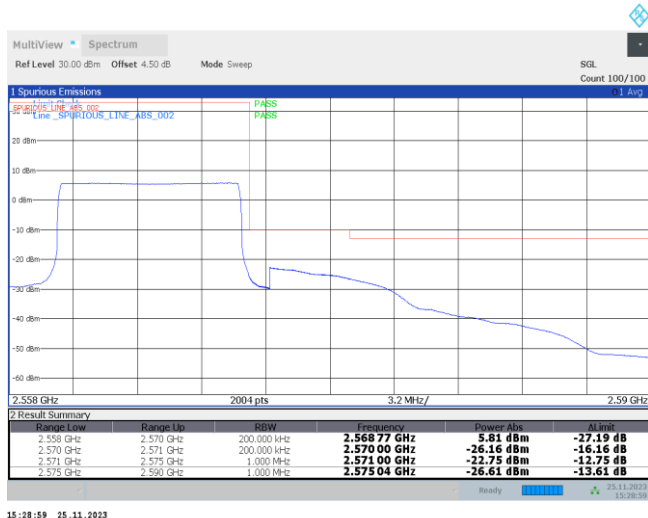
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Band7-10MHz-QPSK-21400-1RB#49



15:24:44 25.11.2023

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



15:28:59 25.11.2023

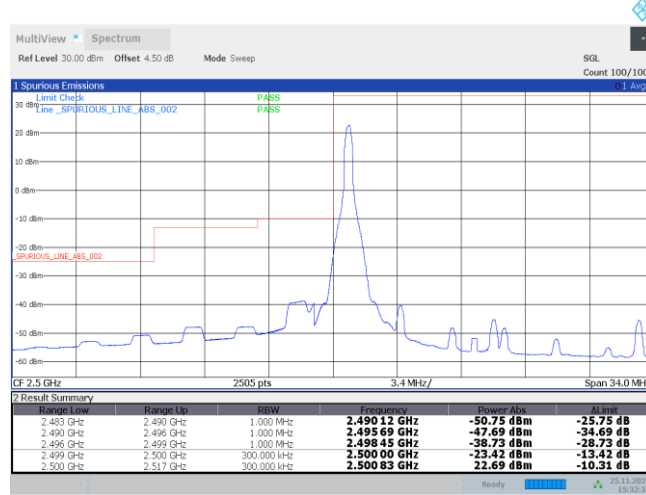


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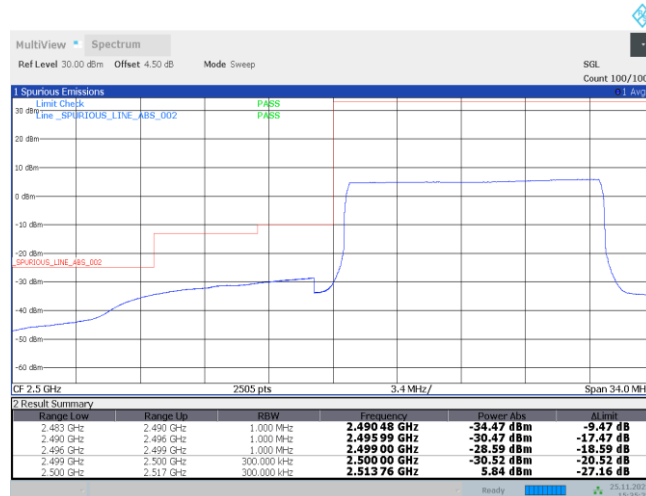
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Band7-15MHz-QPSK-20825-1RB#0



15:32:37 25.11.2023

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



15:35:23 25.11.2023

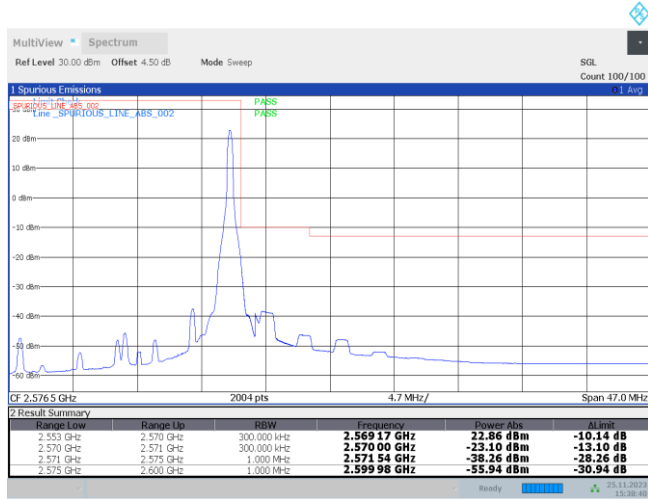


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Band7-15MHz-QPSK-21375-1RB#74



15:39:41 25.11.2023

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



15:41:06 25.11.2023

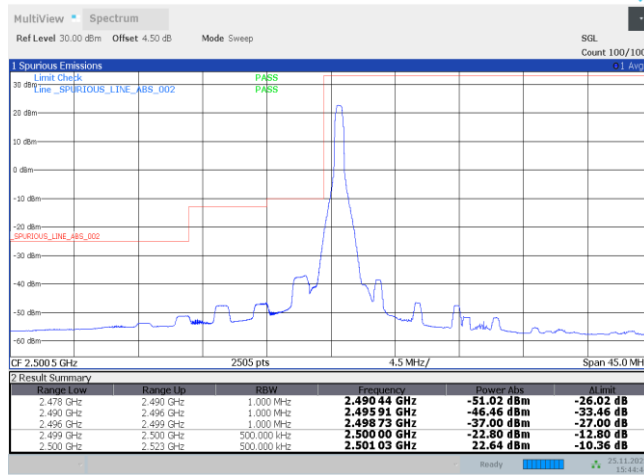


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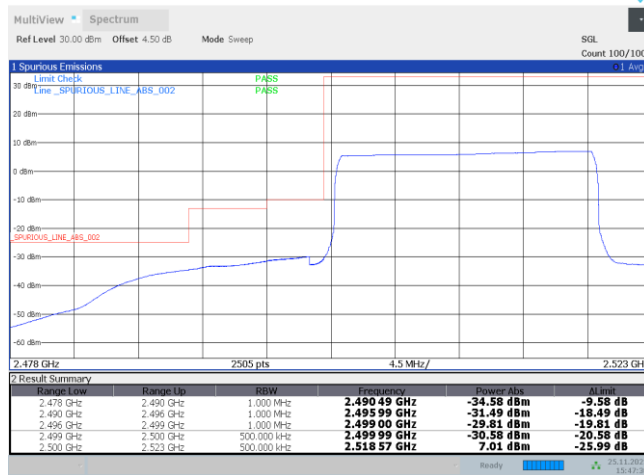
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Band7-20MHz-QPSK-20850-1RB#0



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



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



15:50:48 25.11.2023

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



15:53:14 25.11.2023



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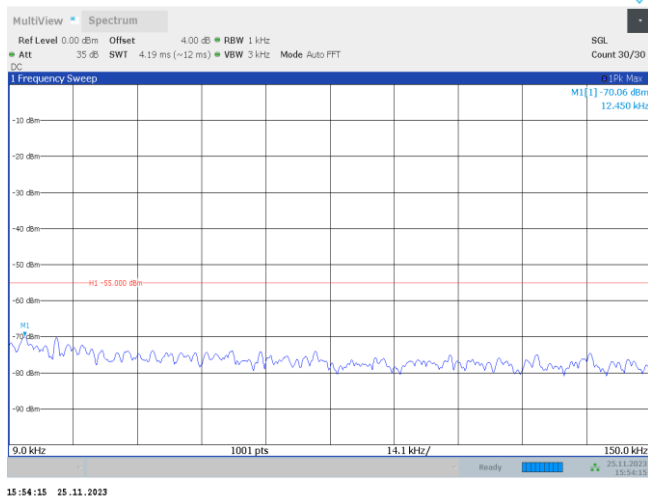
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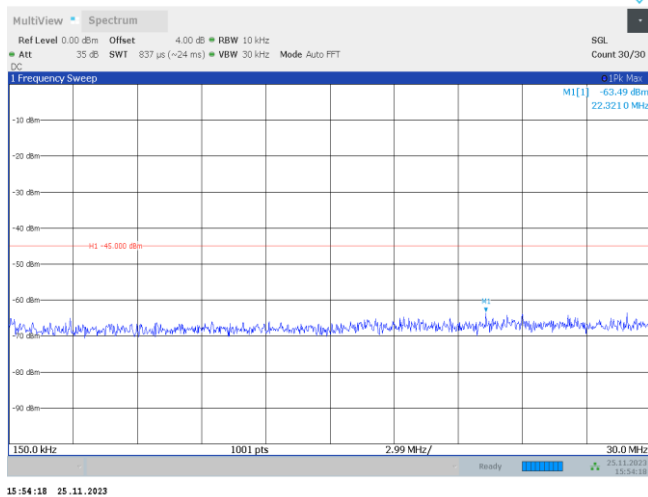
Conducted Spurious Emission

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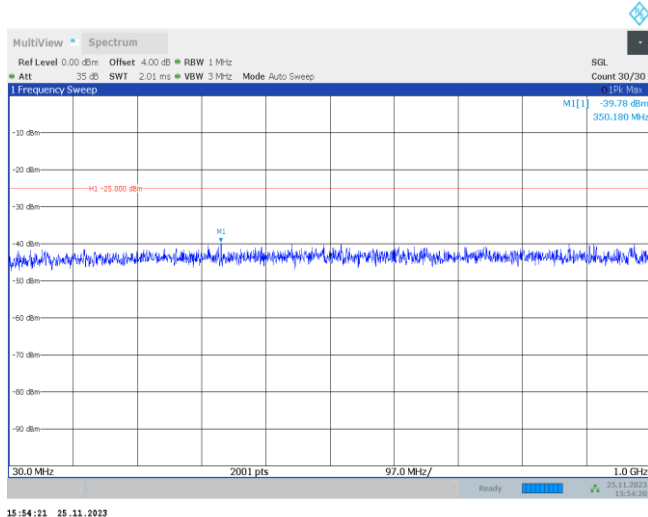
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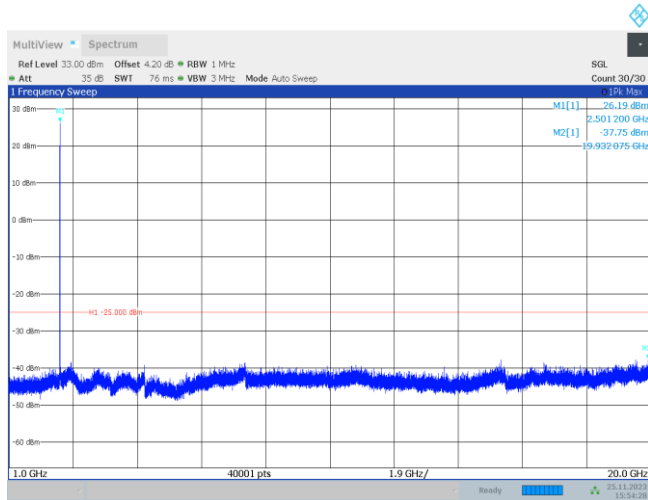
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Band7-20MHz-QPSK-20850-1RB#0-Range3:30~1000MHz



15:54:21 25.11.2023

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



15:54:28 25.11.2023



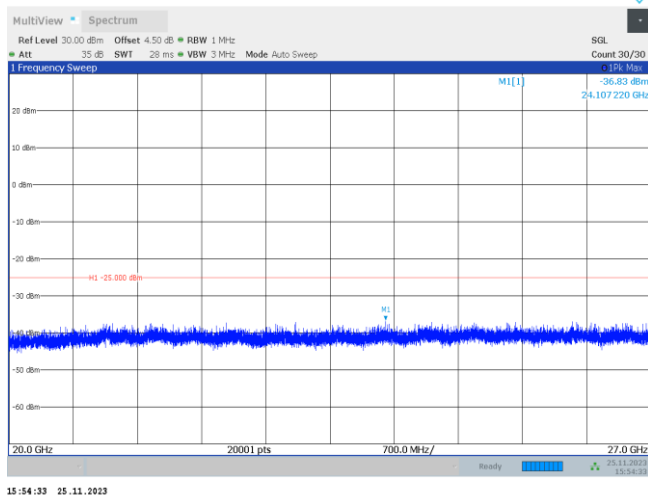
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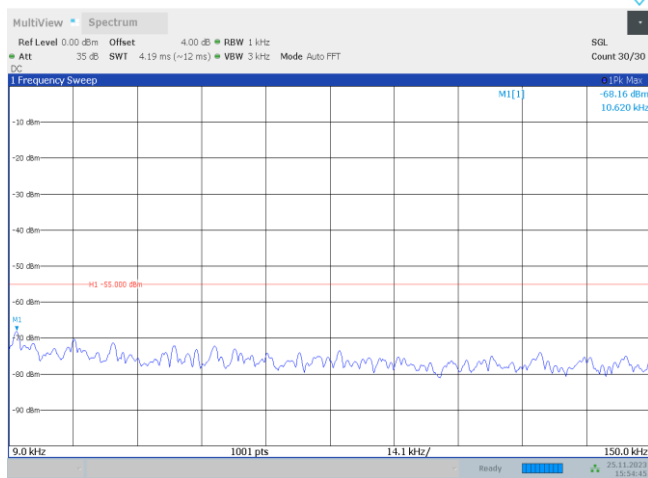
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Band7-20MHz-QPSK-20850-1RB#0-Range5:20000~27000MHz



15:54:33 25.11.2023

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



15:54:45 25.11.2023



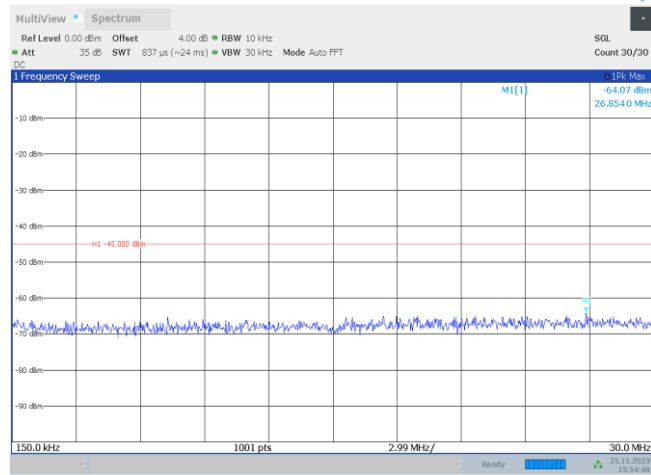
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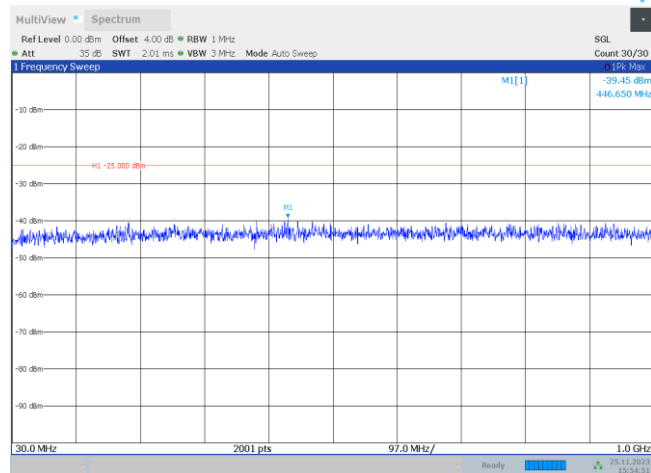
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Band7-20MHz-QPSK-21100-1RB#0-Range2:0.15~30MHz



15:54:48 25.11.2023

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



15:54:51 25.11.2023



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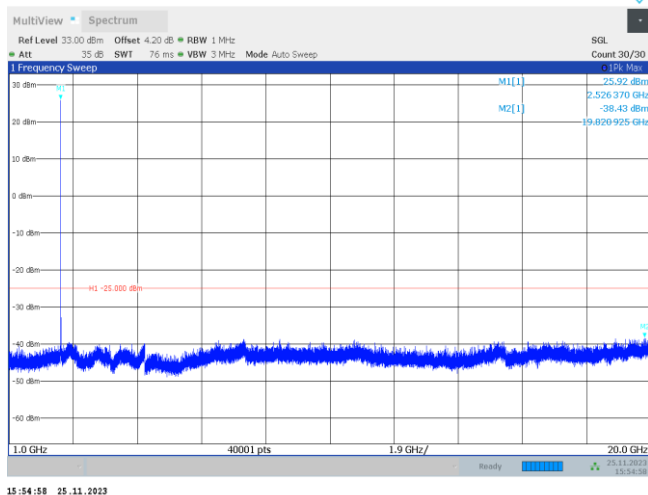
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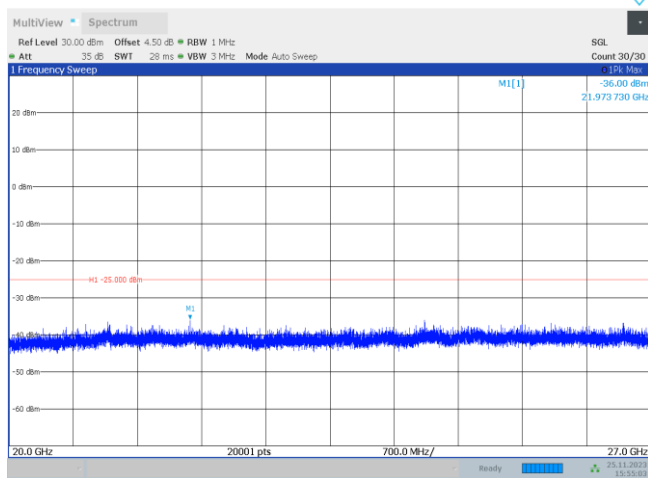
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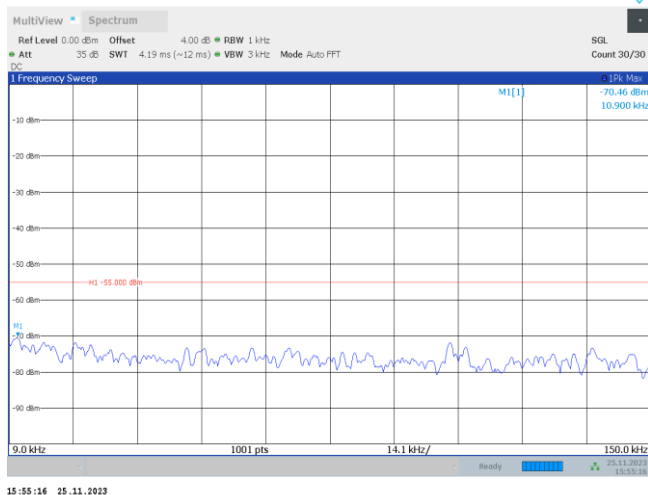
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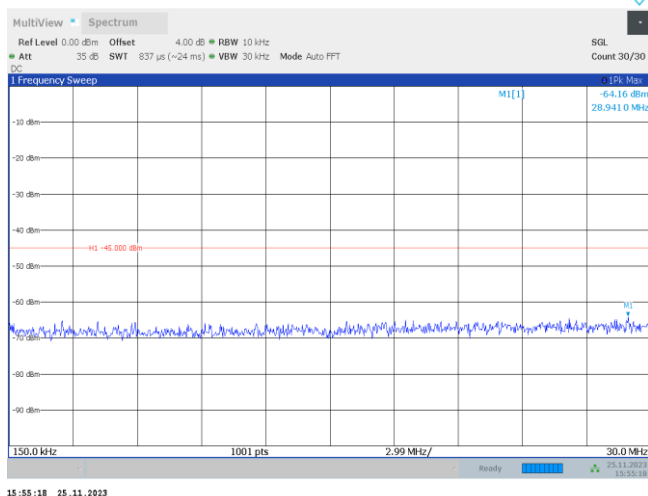
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Band7-20MHz-QPSK-21350-1RB#0-Range1:0.009~0.15MHz



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



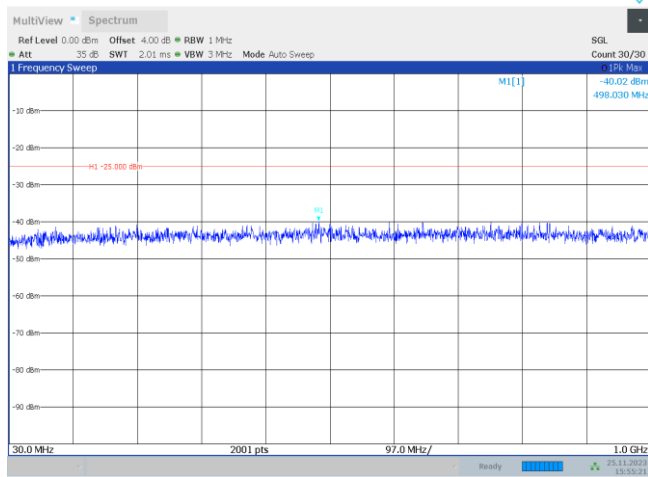
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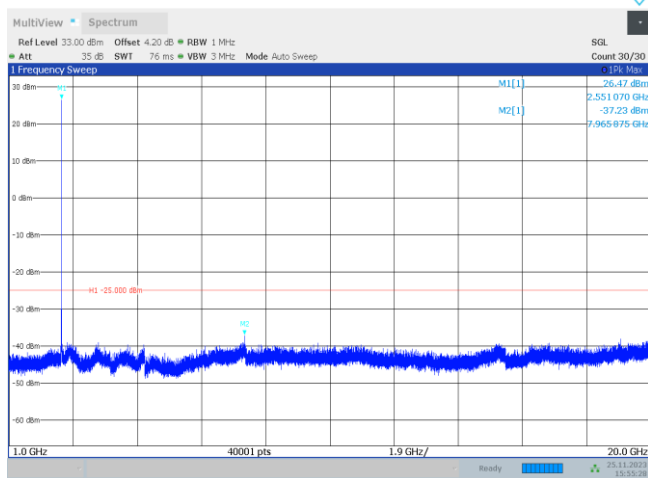
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15:55:21 25.11.2023

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



15:55:28 25.11.2023



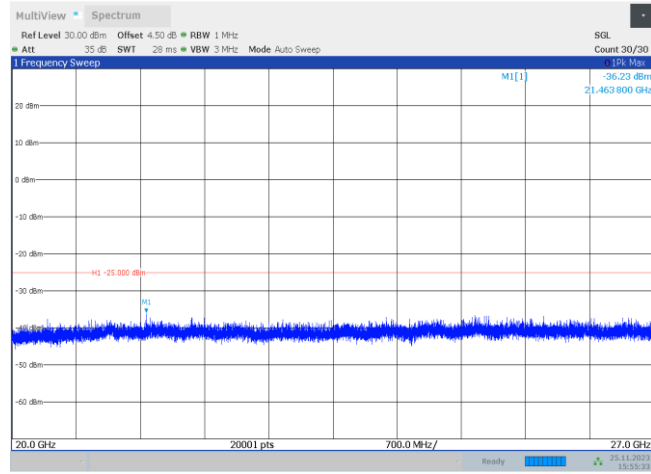
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Band7-20MHz-QPSK-21350-1RB#0-Range5:20000~27000MHz



15:55:34 25.11.2023



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Field Strength of Spurious Radiation

Test Band = LTE Band7_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5002.1800	39.47	-45.63	31.41	-70.02	-25.00	45.02	Horizontal
2	7503.2700	37.68	-43.13	36.60	-64.11	-25.00	39.11	Horizontal
3	10004.3600	31.04	-39.23	38.20	-65.25	-25.00	40.25	Horizontal
4	12505.4500	25.26	-36.99	38.95	-68.04	-25.00	43.04	Horizontal
5	15006.5400	22.61	-34.65	41.29	-66.02	-25.00	41.02	Horizontal
6	17507.6300	26.11	-34.95	44.59	-59.51	-25.00	34.51	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5002.1800	40.35	-45.63	31.41	-69.14	-25.00	44.14	Vertical
2	7503.2700	37.93	-43.13	36.60	-63.86	-25.00	38.86	Vertical
3	10004.3600	30.65	-39.23	38.20	-65.64	-25.00	40.64	Vertical
4	12505.4500	25.19	-36.99	38.95	-68.11	-25.00	43.11	Vertical
5	15006.5400	23.36	-34.65	41.29	-65.27	-25.00	40.27	Vertical
6	17507.6300	25.78	-34.95	44.59	-59.84	-25.00	34.84	Vertical



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Wireless Laboratories

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Test Band = LTE Band7_ TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5052.1800	40.00	-45.50	31.53	-69.23	-25.00	44.23	Horizontal
2	7578.2700	37.59	-42.98	36.63	-64.01	-25.00	39.01	Horizontal
3	10104.3600	30.82	-39.14	38.25	-65.32	-25.00	40.32	Horizontal
4	12630.4500	25.46	-37.33	38.99	-68.14	-25.00	43.14	Horizontal
5	15156.5400	23.79	-34.36	40.97	-64.86	-25.00	39.86	Horizontal
6	17682.6300	26.12	-33.89	45.37	-57.66	-25.00	32.66	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5052.1800	39.96	-45.50	31.53	-69.27	-25.00	44.27	Vertical
2	7578.2700	37.31	-42.98	36.63	-64.29	-25.00	39.29	Vertical
3	10104.3600	30.51	-39.14	38.25	-65.63	-25.00	40.63	Vertical
4	12630.4500	25.69	-37.33	38.99	-67.91	-25.00	42.91	Vertical
5	15156.5400	23.27	-34.36	40.97	-65.38	-25.00	40.38	Vertical
6	17682.6300	25.73	-33.89	45.37	-58.05	-25.00	33.05	Vertical



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Test Band = LTE Band7_ TM1

Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5102.1800	38.79	-45.37	31.65	-70.19	-25.00	45.19	Horizontal
2	7653.2700	36.72	-43.03	36.66	-64.91	-25.00	39.91	Horizontal
3	10204.3600	28.58	-39.48	38.30	-67.86	-25.00	42.86	Horizontal
4	12755.4500	25.32	-36.76	39.03	-67.68	-25.00	42.68	Horizontal
5	15306.5400	24.04	-34.35	40.66	-64.92	-25.00	39.92	Horizontal
6	17857.6300	26.87	-34.56	46.16	-56.79	-25.00	31.79	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5102.1800	39.62	-45.37	31.65	-69.36	-25.00	44.36	Vertical
2	7653.2700	36.59	-43.03	36.66	-65.04	-25.00	40.04	Vertical
3	10204.3600	29.39	-39.48	38.30	-67.05	-25.00	42.05	Vertical
4	12755.4500	26.05	-36.76	39.03	-66.95	-25.00	41.95	Vertical
5	15306.5400	23.57	-34.35	40.66	-65.39	-25.00	40.39	Vertical
6	17857.6300	26.57	-34.56	46.16	-57.09	-25.00	32.09	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

2) All antennas of RSE are tested, and only the worst data is presented.



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-2.10	-0.000828	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-2.00	-0.000789	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	3.30	0.001302	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-1.90	-0.000750	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	0.30	0.000118	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-0.80	-0.000316	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-0.90	-0.000355	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	0.50	0.000197	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	1.40	0.000552	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	1.80	0.000710	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-1.40	-0.000552	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-0.40	-0.000158	PASS

---End of Attachment---



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