

Report No.: SEWM2305000178RG01

Rev.: 01

Page: 1 of 55

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	21.29	24.04	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	21.60	24.35	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	21.12	23.87	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	20.54	23.29	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	21.30	24.05	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	21.66	24.41	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	21.07	23.82	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	20.51	23.26	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	21.34	24.09	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	21.62	24.37	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	21.14	23.89	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	20.55	23.30	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	20.81	23.56	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.10	23.85	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	20.47	23.22	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	19.70	22.45	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	20.84	23.59	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.00	23.75	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	20.50	23.25	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	19.69	22.44	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	20.84	23.59	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.05	23.80	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	20.49	23.24	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	19.65	22.40	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	19.55	22.30	33.00	PASS



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Report No.: SEWM2305000178RG01

Rev.: 01

Page: 3 of 55

Band7	5MHz	64QAM	20775	1RB#12	19.94	22.69	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	19.68	22.43	33.00	PASS
Band7	5MHz	64QAM	20775	25RB#0	18.75	21.50	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	19.69	22.44	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	19.95	22.70	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	19.60	22.35	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	18.75	21.50	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	19.61	22.36	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	20.03	22.78	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	19.54	22.29	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	18.71	21.46	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	21.37	24.12	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	21.54	24.29	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	21.04	23.79	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	20.46	23.21	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	21.32	24.07	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	21.57	24.32	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	21.18	23.93	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	20.60	23.35	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	21.33	24.08	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	21.58	24.33	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	21.06	23.81	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	20.51	23.26	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	20.82	23.57	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.04	23.79	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	20.48	23.23	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	19.64	22.39	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	20.84	23.59	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.14	23.89	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	20.51	23.26	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	19.62	22.37	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	20.85	23.60	33.00	PASS



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Report No.: SEWM2305000178RG01

Rev.: 01

Page: 4 of 55

Band7	10MHz	16QAM	21400	1RB#24	21.06	23.81	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	20.49	23.24	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	19.67	22.42	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	19.61	22.36	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	19.94	22.69	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	19.64	22.39	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	18.82	21.57	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	19.56	22.31	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#24	19.92	22.67	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	19.63	22.38	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	18.79	21.54	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	19.61	22.36	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	20.05	22.80	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	19.66	22.41	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	18.79	21.54	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	21.34	24.09	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	21.54	24.29	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	21.14	23.89	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	20.47	23.22	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	21.26	24.01	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	21.65	24.40	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	21.16	23.91	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	20.60	23.35	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	21.36	24.11	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	21.62	24.37	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	21.12	23.87	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	20.52	23.27	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	20.77	23.52	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.07	23.82	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	20.59	23.34	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	19.70	22.45	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	20.83	23.58	33.00	PASS



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Rev.: 01

Page: 5 of 55

Band7	15MHz	16QAM	21100	1RB#38	21.01	23.76	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	20.52	23.27	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	19.71	22.46	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	20.86	23.61	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.04	23.79	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	20.51	23.26	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	19.69	22.44	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	19.59	22.34	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	20.01	22.76	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	19.54	22.29	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	18.73	21.48	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	19.61	22.36	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	20.01	22.76	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	19.55	22.30	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	18.72	21.47	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	19.61	22.36	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#38	20.01	22.76	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	19.67	22.42	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	18.78	21.53	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	21.37	24.12	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	21.57	24.32	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	21.10	23.85	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	20.49	23.24	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	21.32	24.07	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	21.67	24.42	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	21.12	23.87	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	20.50	23.25	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	21.34	24.09	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	21.66	24.41	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	21.07	23.82	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	20.49	23.24	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	20.80	23.55	33.00	PASS



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Page: 6 of 55

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Band7	20MHz	16QAM	20850	1RB#99	20.48	23.23	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	19.69	22.44	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	20.80	23.55	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.07	23.82	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	20.59	23.34	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	19.60	22.35	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	20.83	23.58	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.04	23.79	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	20.58	23.33	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	19.68	22.43	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	19.64	22.39	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	19.93	22.68	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	19.55	22.30	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	18.82	21.57	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	19.69	22.44	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	19.95	22.70	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	19.61	22.36	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	18.84	21.59	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#0	19.69	22.44	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#49	20.02	22.77	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	19.57	22.32	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	18.71	21.46	33.00	PASS



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Rev.: 01

Page: 7 of 55

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.46	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.50	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.34	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.18	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.30	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.18	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.60	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.68	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.48	13	PASS



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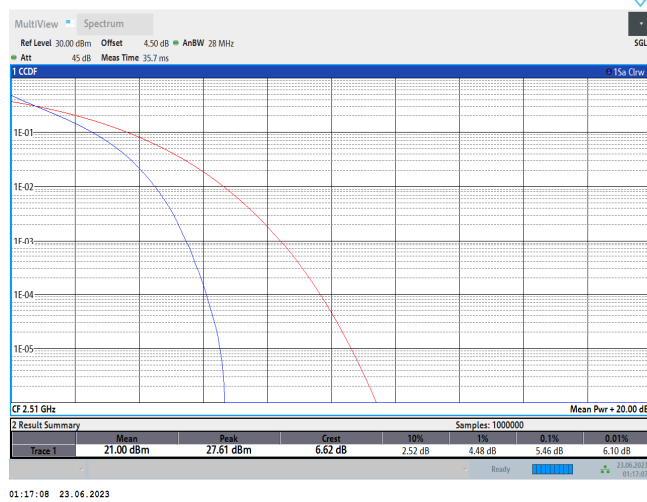
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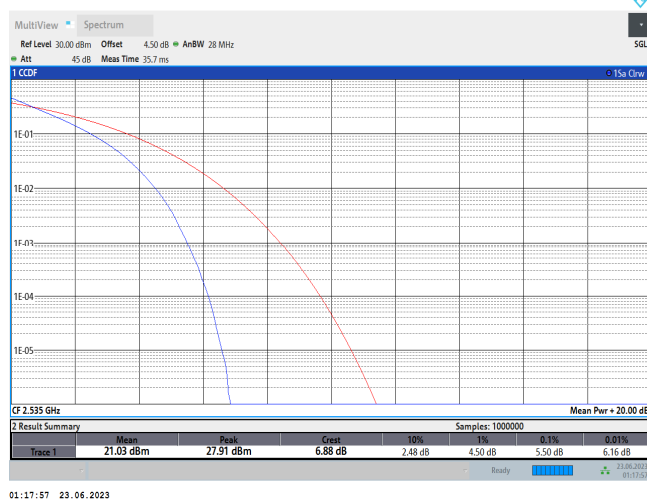
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Test Graphs

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



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



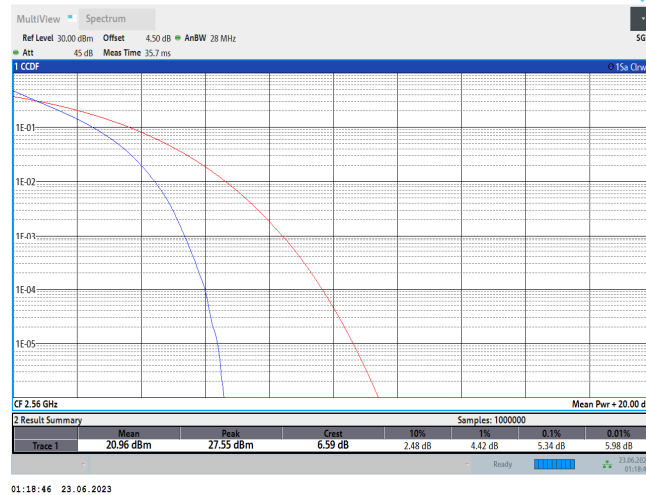
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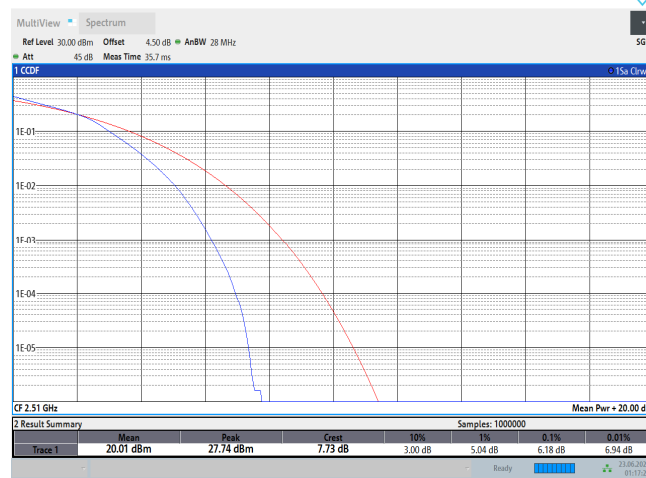
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Band7-20MHz-QPSK-21350-100RB#0



01:18:46 23.06.2023

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



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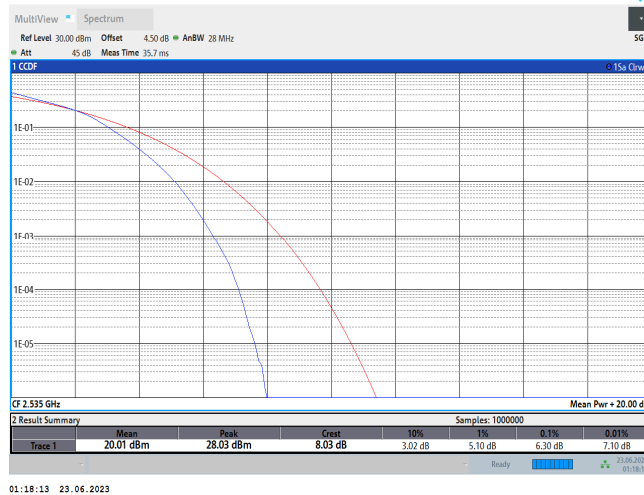
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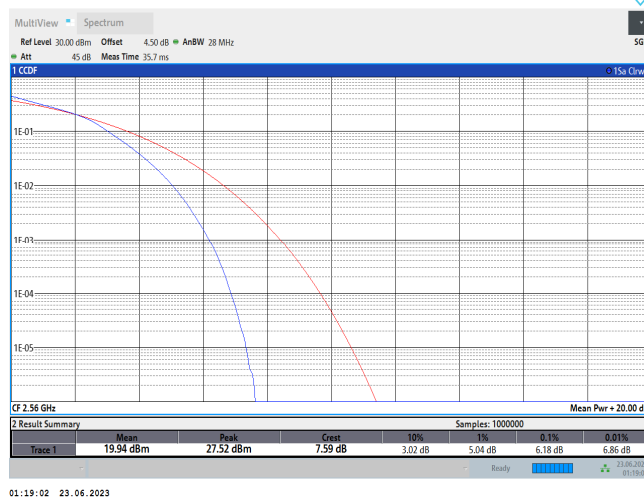
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Band7-20MHz-16QAM-21100-100RB#0



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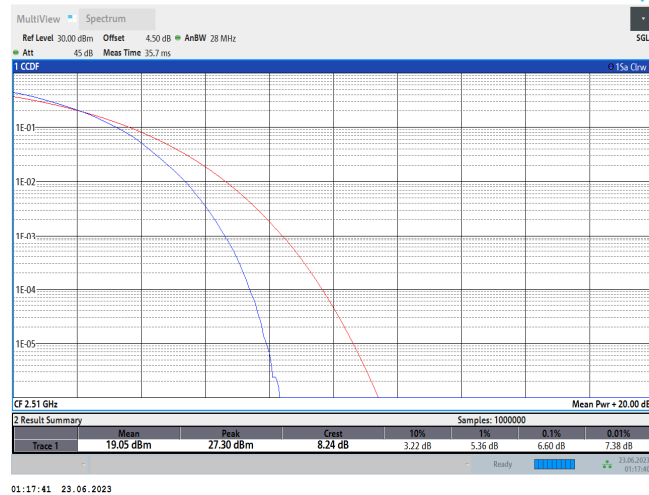
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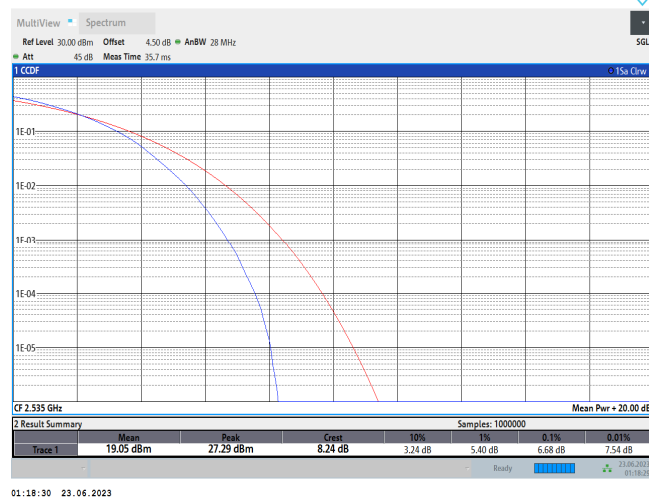
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Band7-20MHz-64QAM-20850-100RB#0



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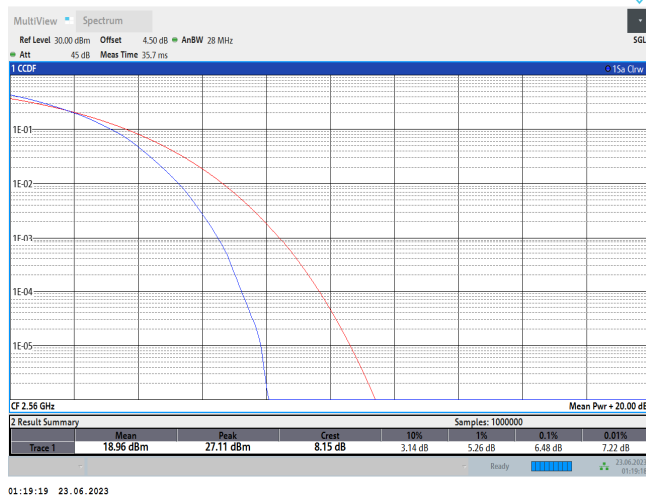
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Band7-20MHz-64QAM-21350-100RB#0



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Report No.: SEWM2305000178RG01

Rev.: 01

Page: 13 of 55

Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band7	20MHz	QPSK	21100	100RB#0	PASS	PASS
Band7	20MHz	16QAM	21100	100RB#0	PASS	PASS
Band7	20MHz	64QAM	21100	100RB#0	PASS	PASS



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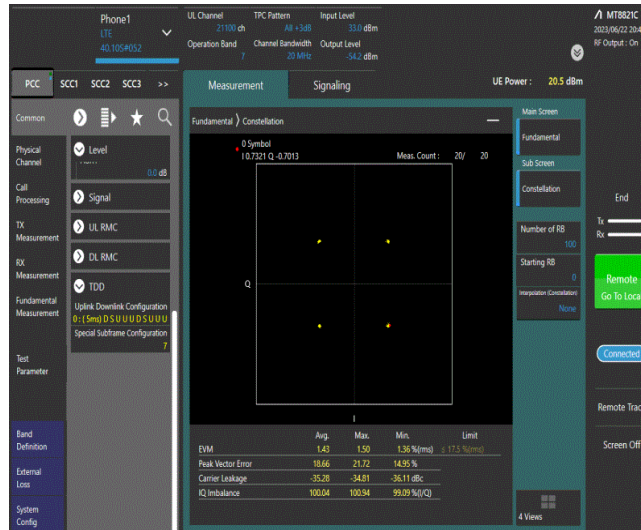
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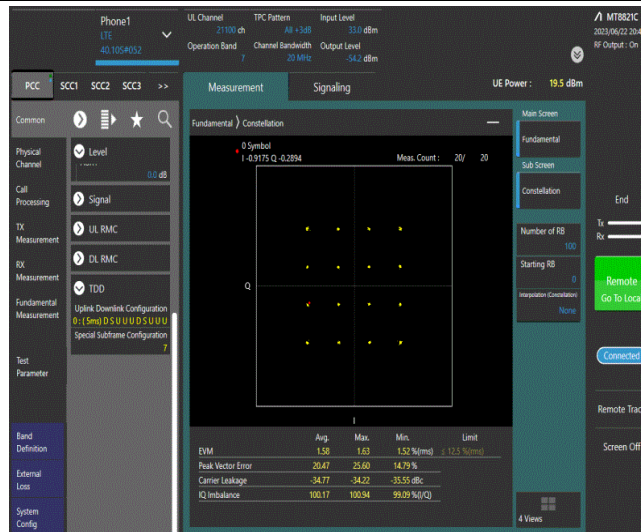
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Band7-20MHz-16QAM-21100-100RB#0



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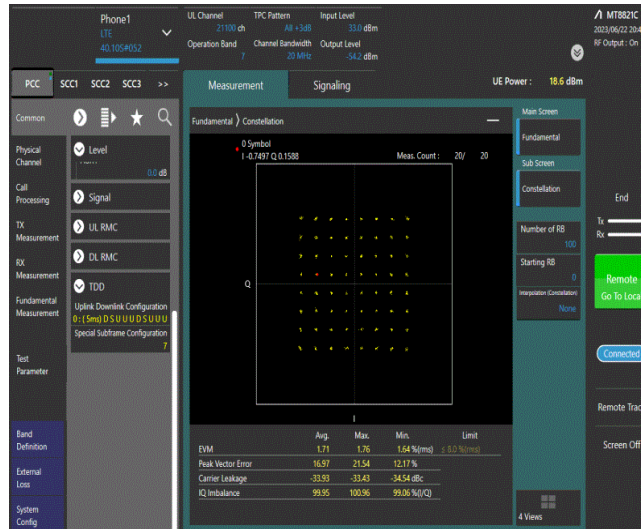
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Band7-20MHz-64QAM-21100-100RB#0



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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	4.478	4.70	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.475	4.76	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.477	4.78	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.472	4.75	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.477	4.83	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.466	4.82	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.465	4.79	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.493	4.77	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.470	4.76	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.908	9.36	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.907	9.46	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.953	9.36	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.920	9.38	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.943	9.44	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.891	9.28	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.961	9.40	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.935	9.44	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.937	9.38	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.433	14.64	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.446	14.28	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.404	14.28	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.448	14.28	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.457	14.37	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.425	14.40	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.464	14.49	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.445	14.70	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.439	14.40	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.844	18.92	PASS



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Report No.: SEWM2305000178RG01

Rev.: 01

Page: 17 of 55

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Band7	20MHz	QPSK	21350	100RB#0	17.861	19.12	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.888	18.88	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.848	18.92	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.857	18.72	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.850	19.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.954	18.76	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.959	18.92	PASS



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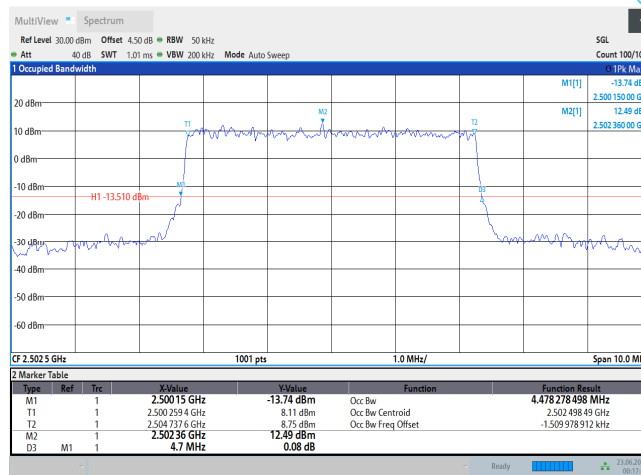
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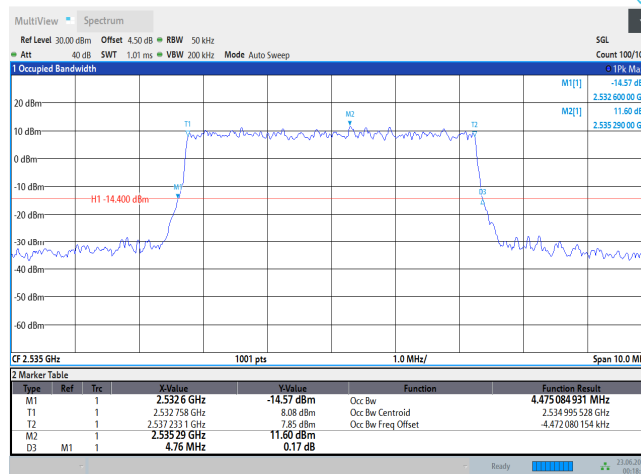
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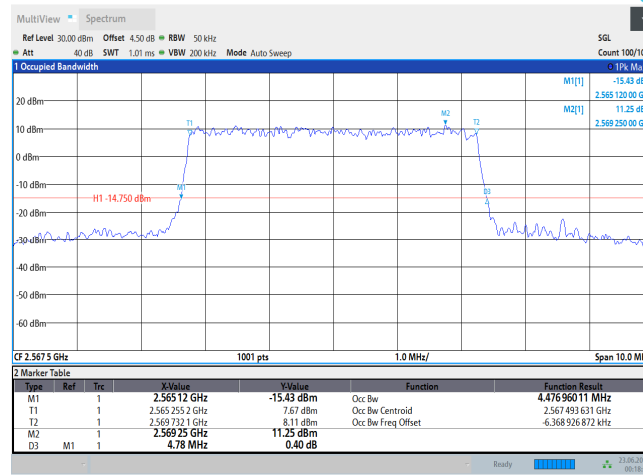
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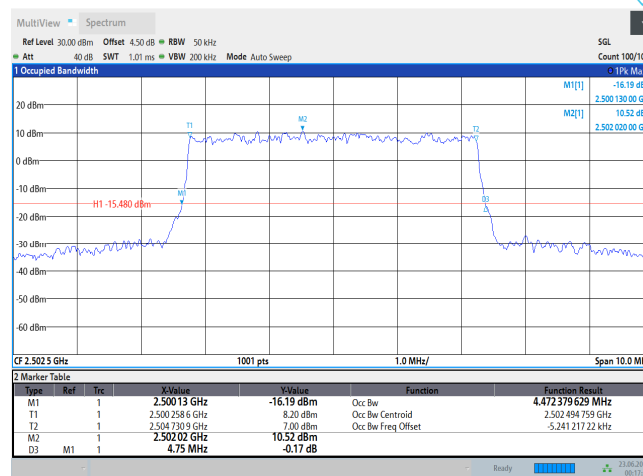
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Band7-5MHz-QPSK-21425-25RB#0



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



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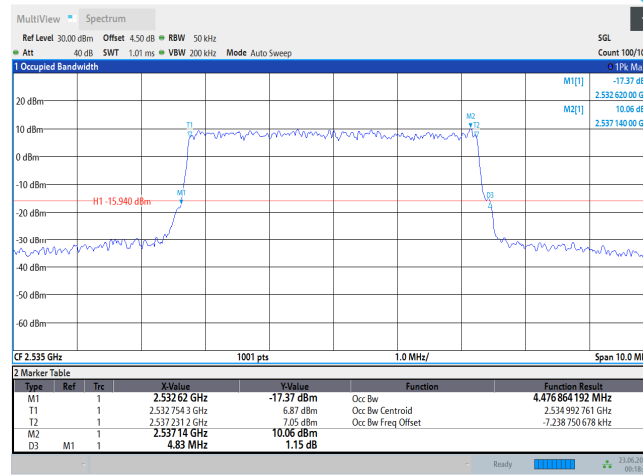
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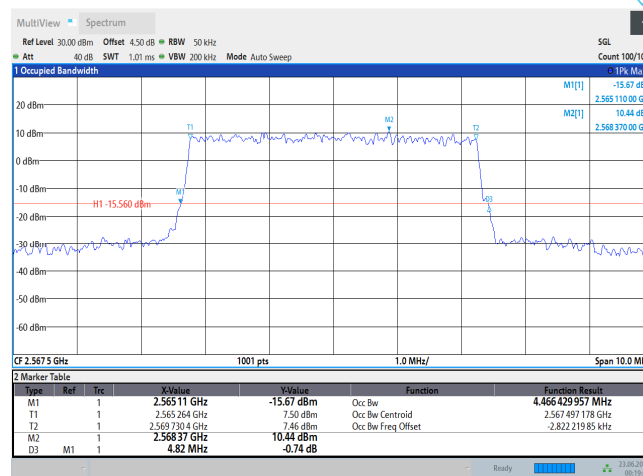
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Band7-5MHz-16QAM-21100-25RB#0



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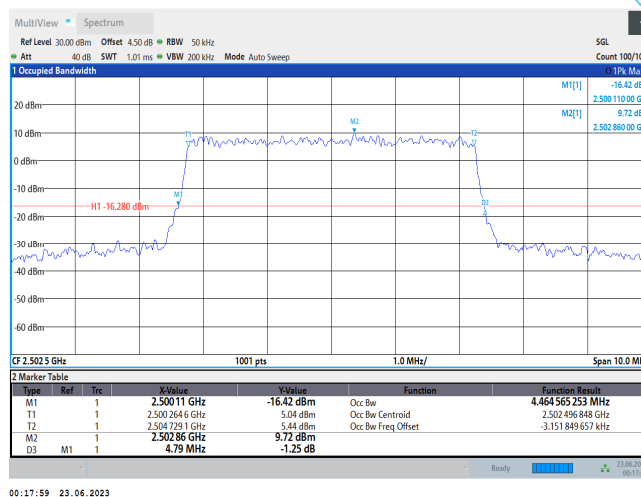
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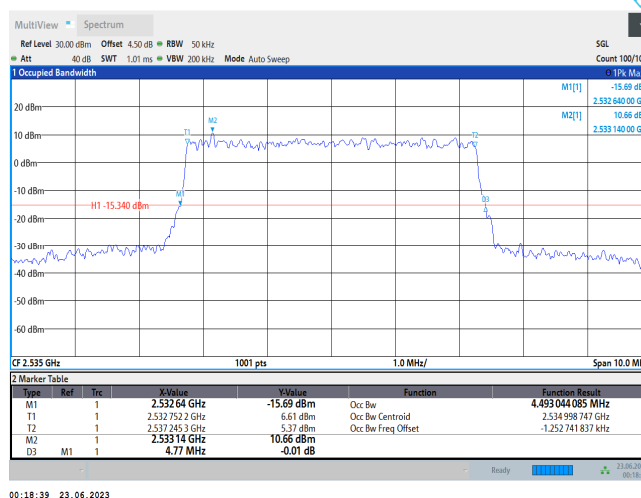
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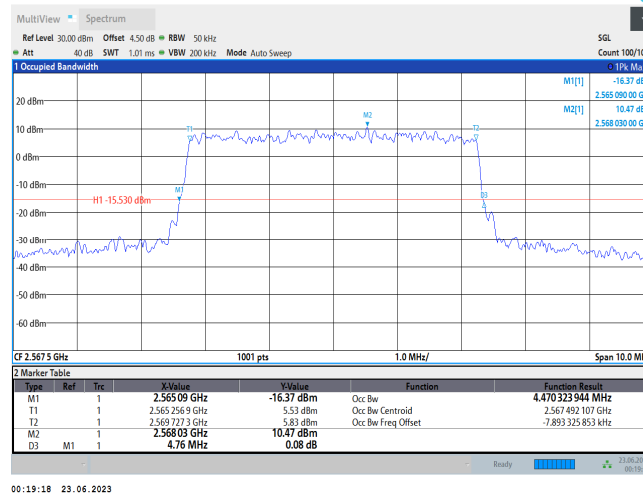
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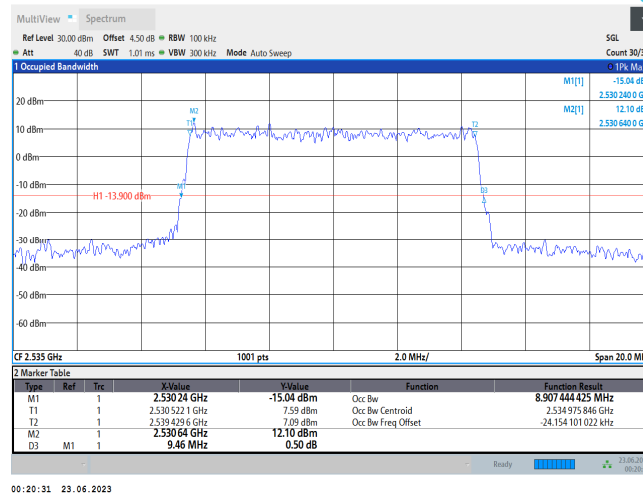
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Rev.: 01

Page: 23 of 55

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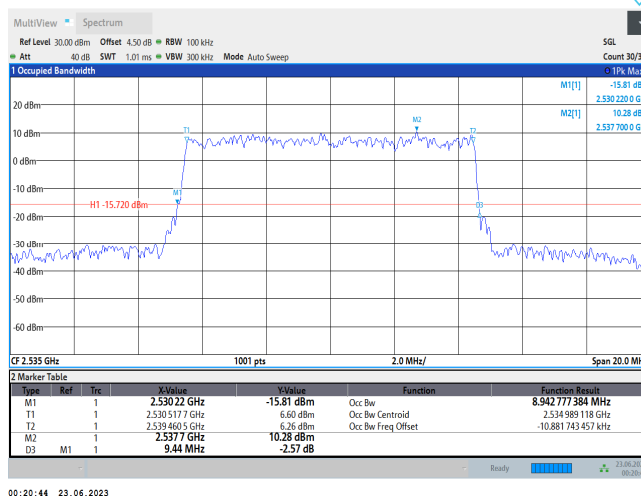
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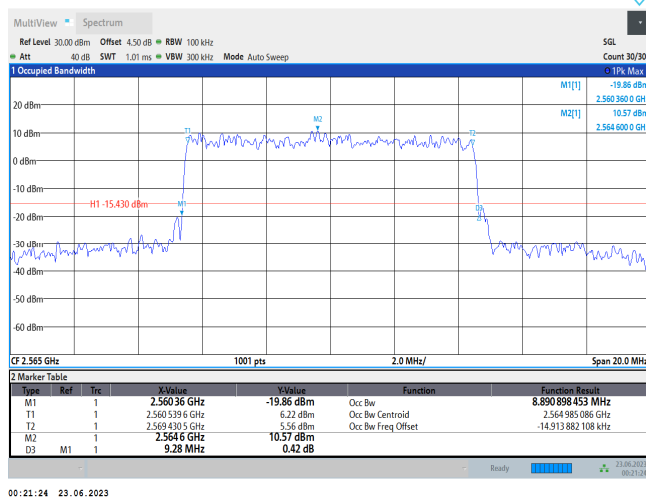
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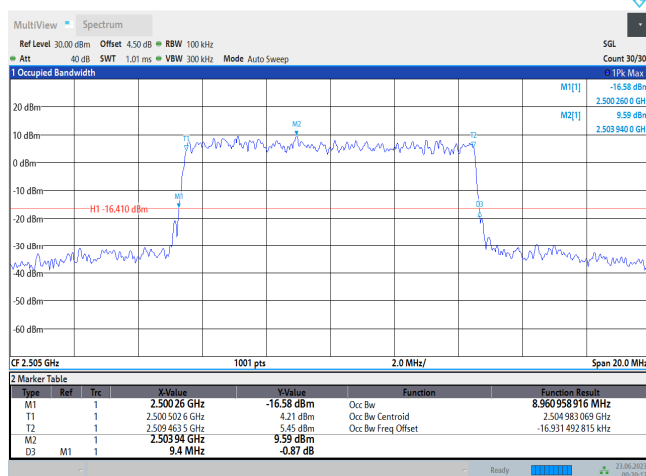
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Band7-10MHz-64QAM-20800-50RB#0



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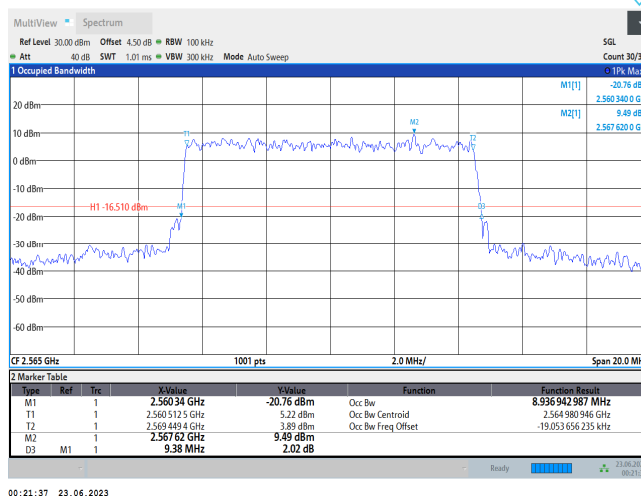
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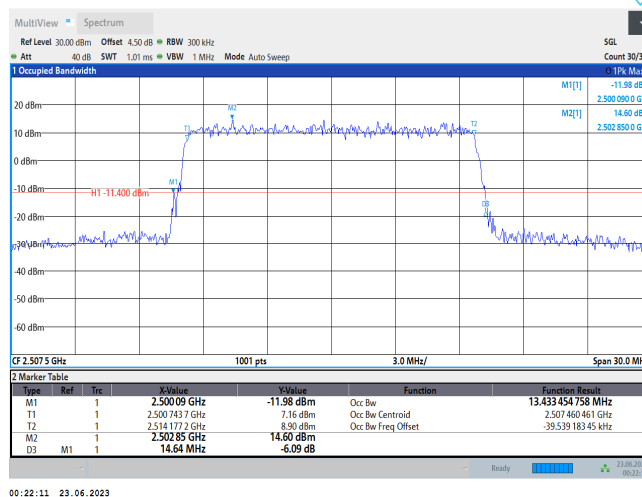
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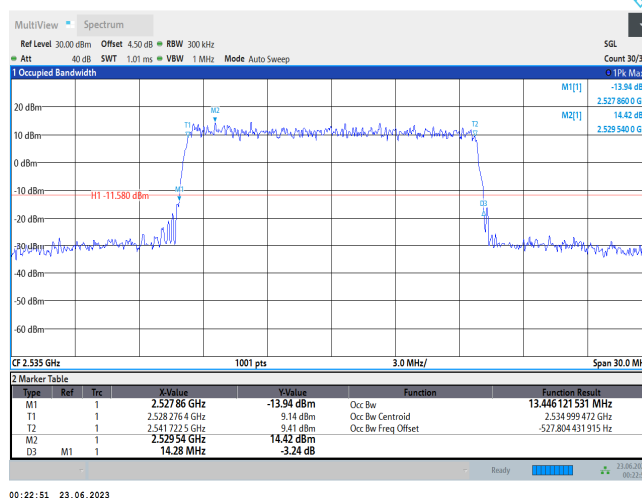
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Band7-15MHz-QPSK-20825-75RB#0



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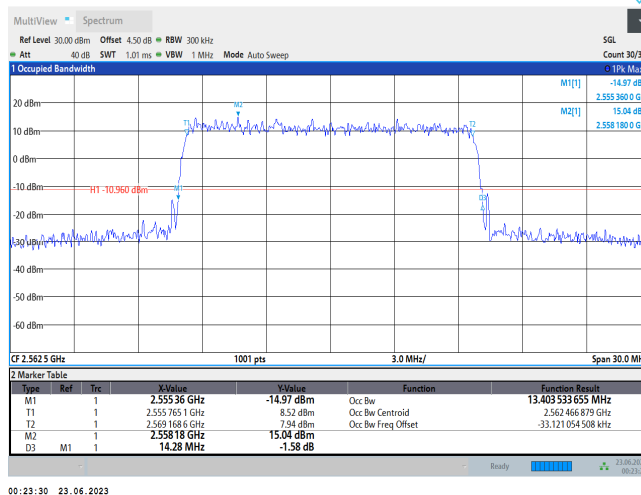
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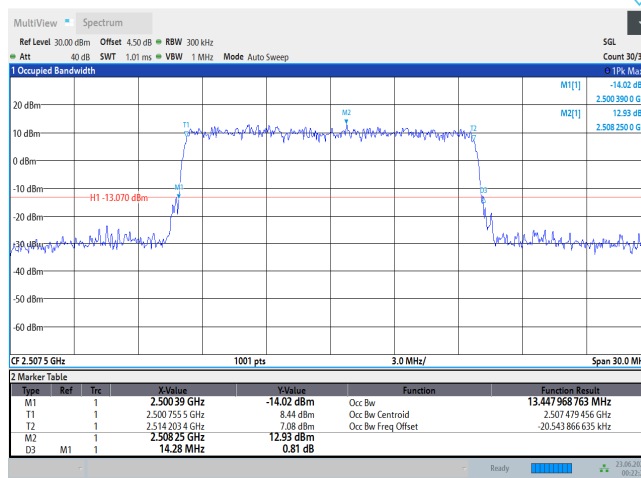
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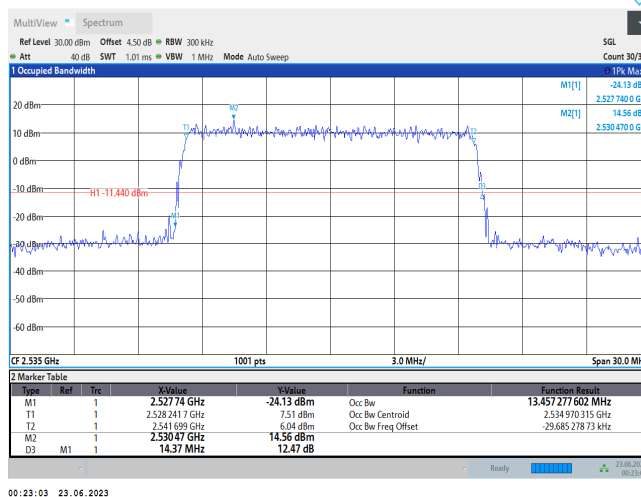
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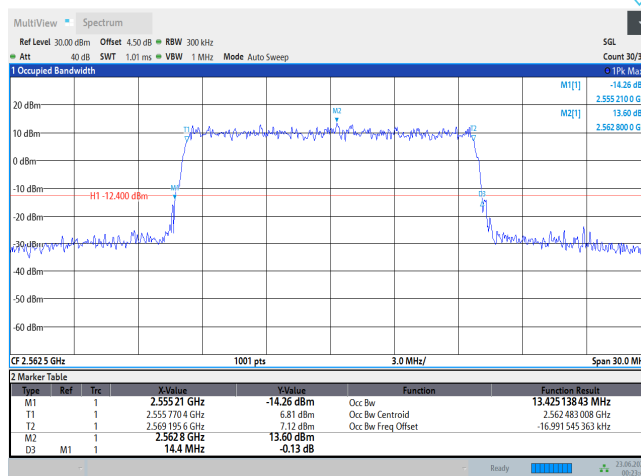
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Band7-15MHz-16QAM-21100-75RB#0



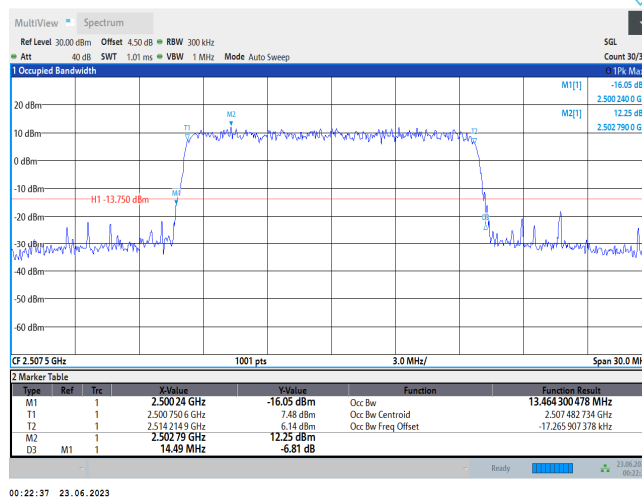
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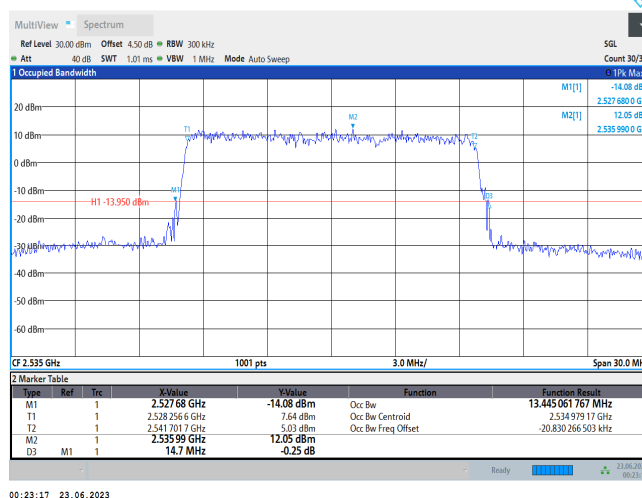


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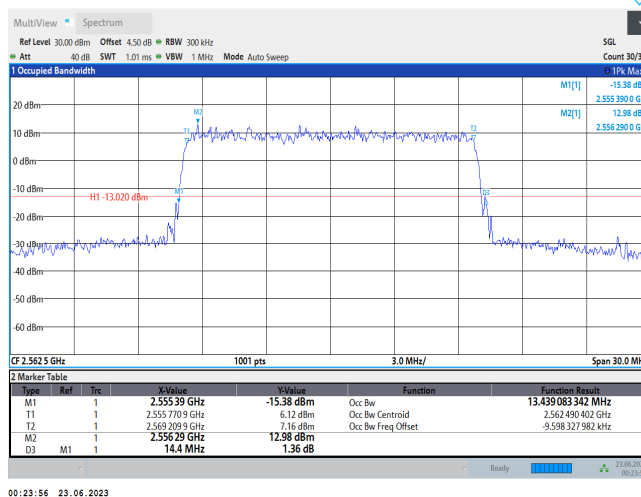
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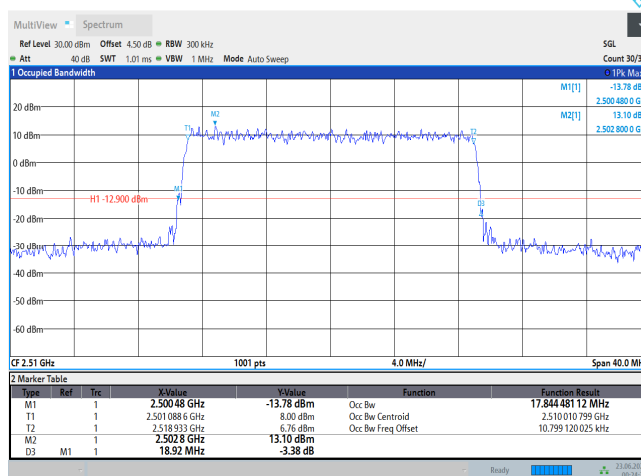
Page: 31 of 55

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



00:24:30 23.06.2023



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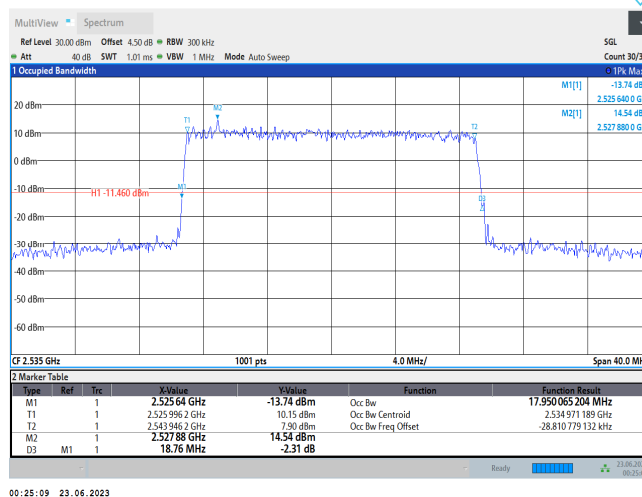
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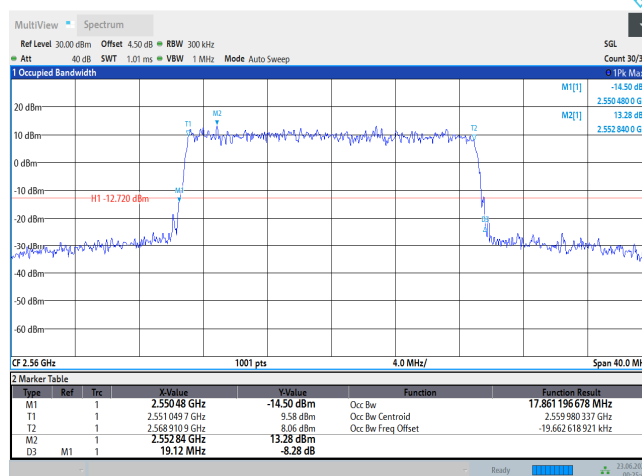
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Band7-20MHz-QPSK-21100-100RB#0



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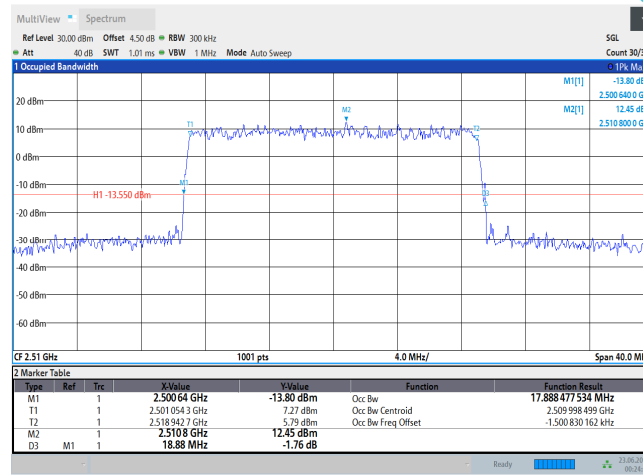
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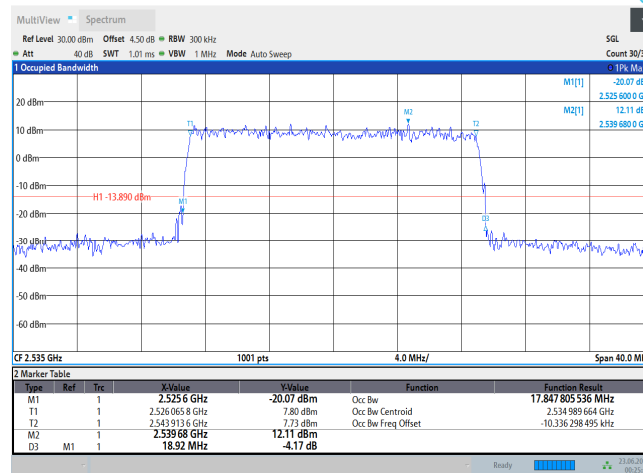
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Band7-20MHz-16QAM-20850-100RB#0



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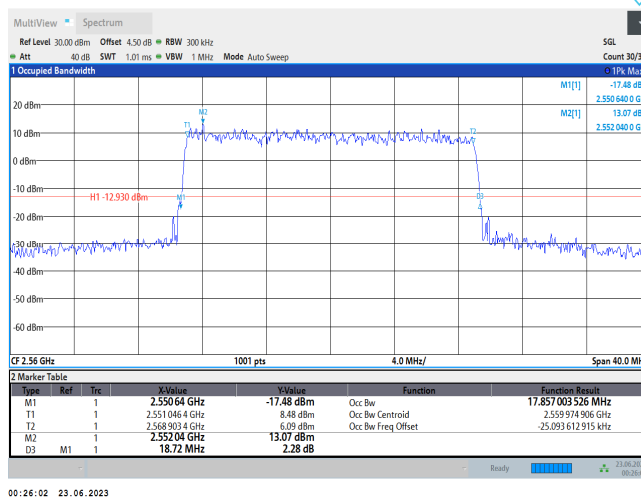
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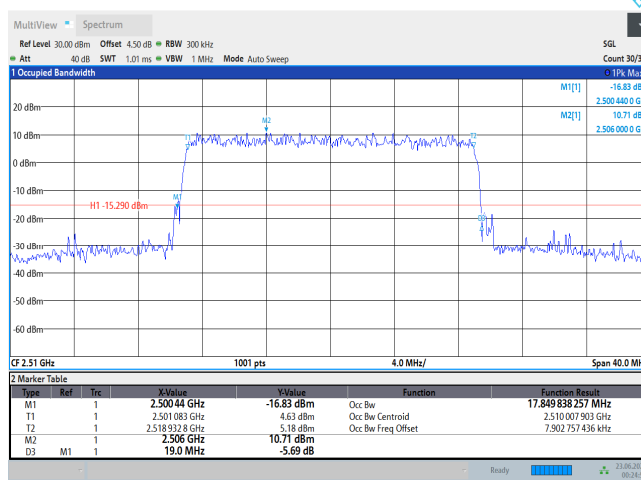
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Band7-20MHz-16QAM-21350-100RB#0



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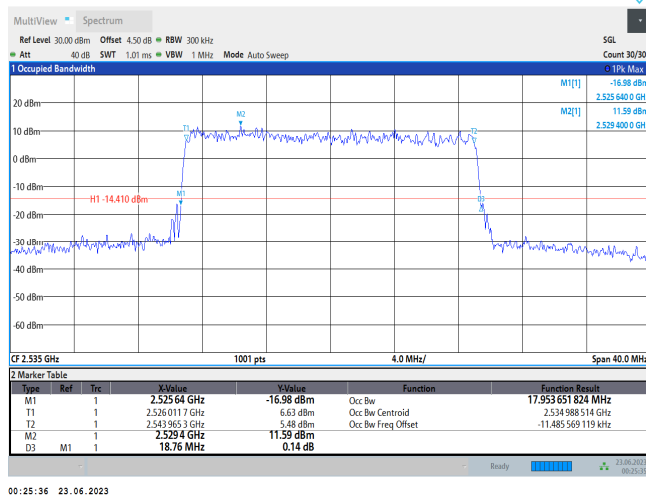
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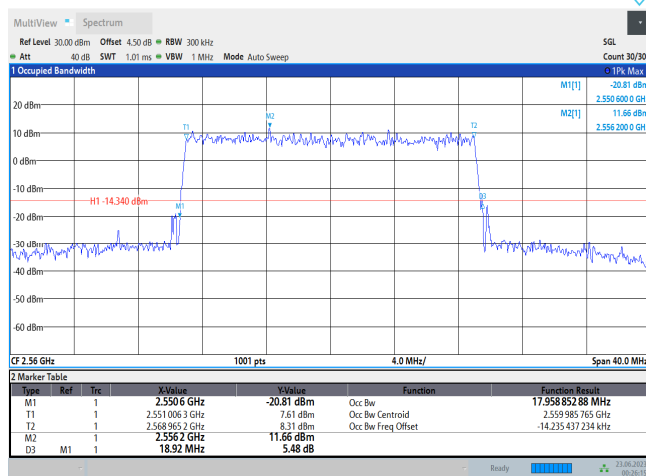
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Band7-20MHz-64QAM-21100-100RB#0



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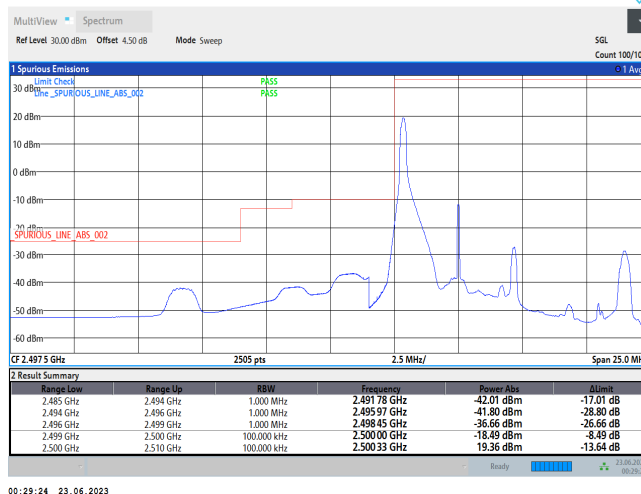
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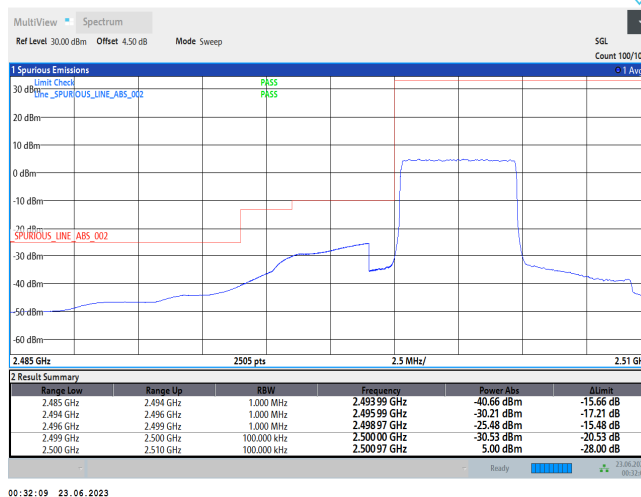
Band Edge

Test Graphs

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



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



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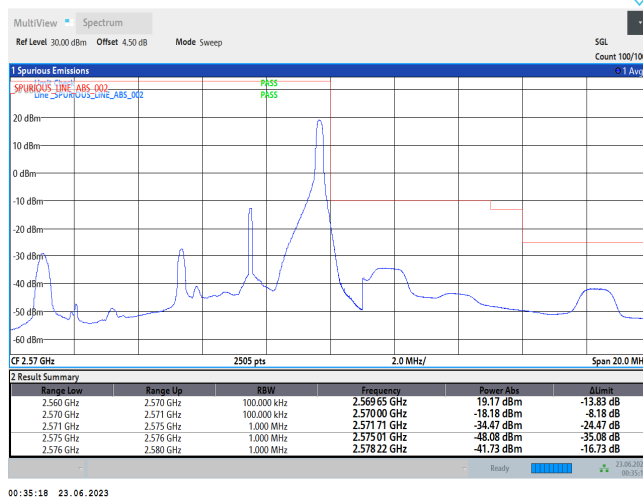
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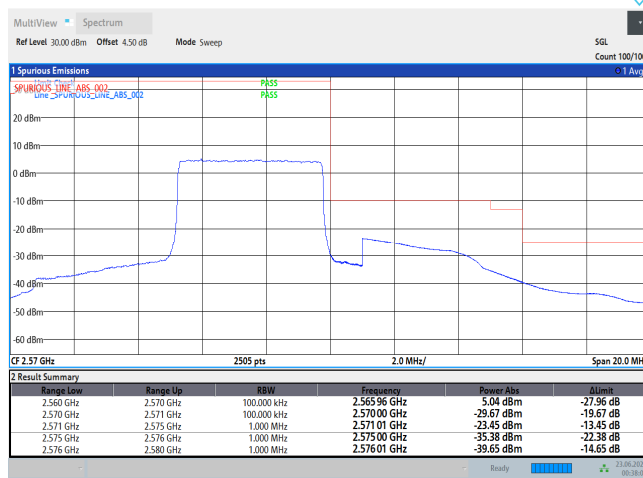
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Band7-5MHz-QPSK-21425-1RB#24



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



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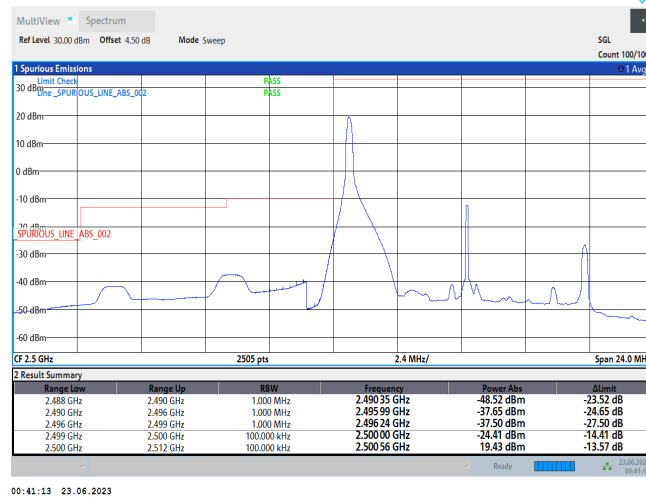
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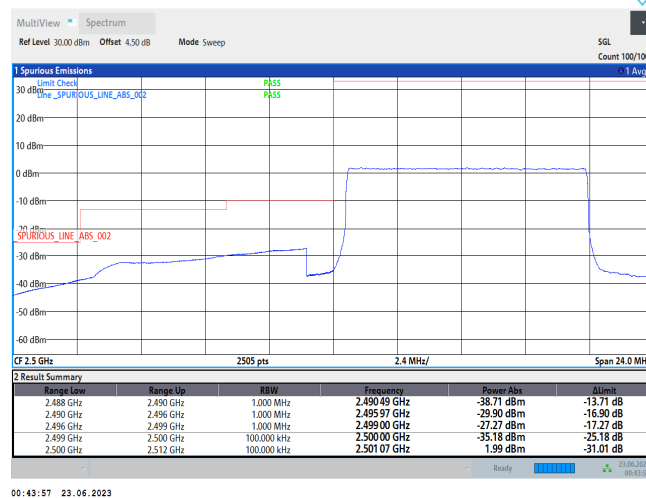
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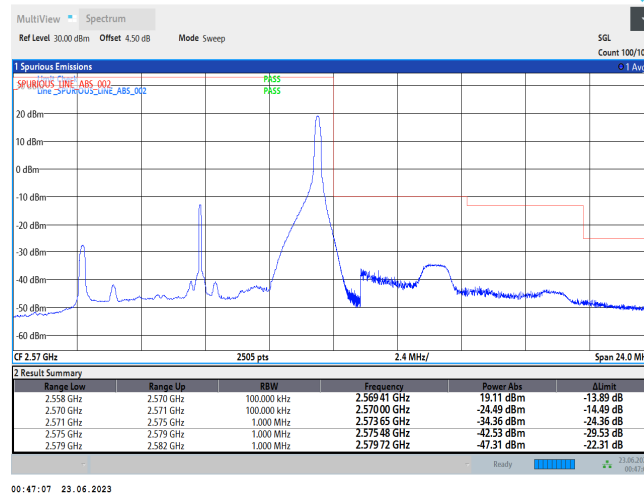
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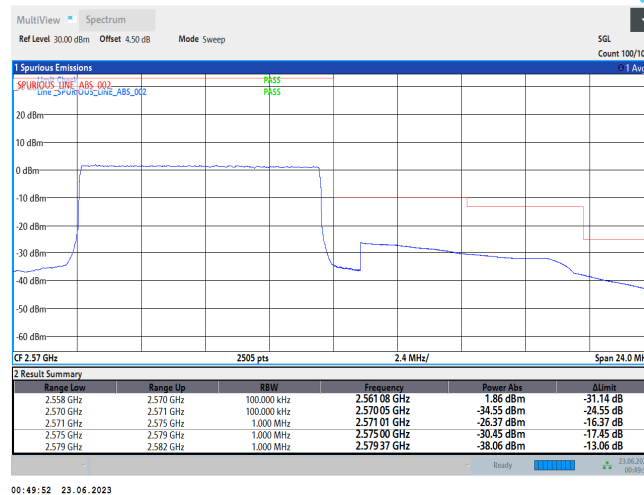
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Page: 39 of 55

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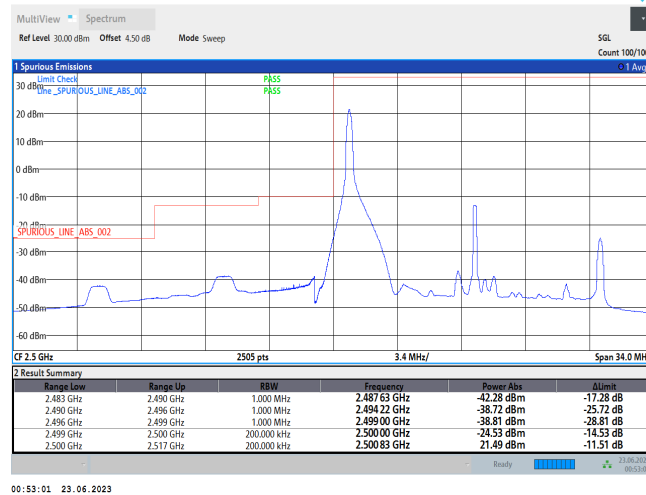
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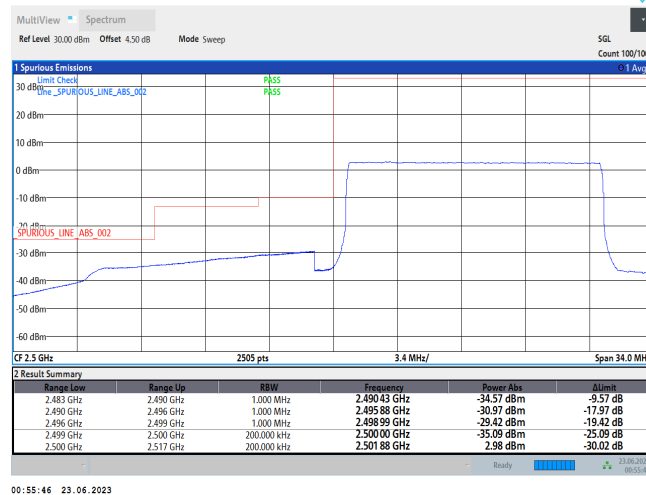
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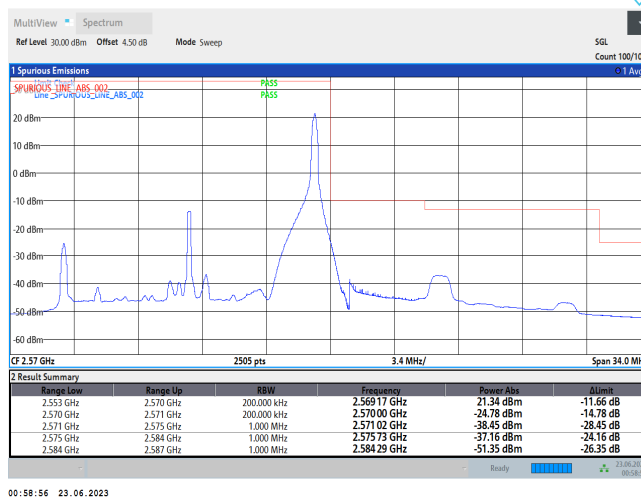
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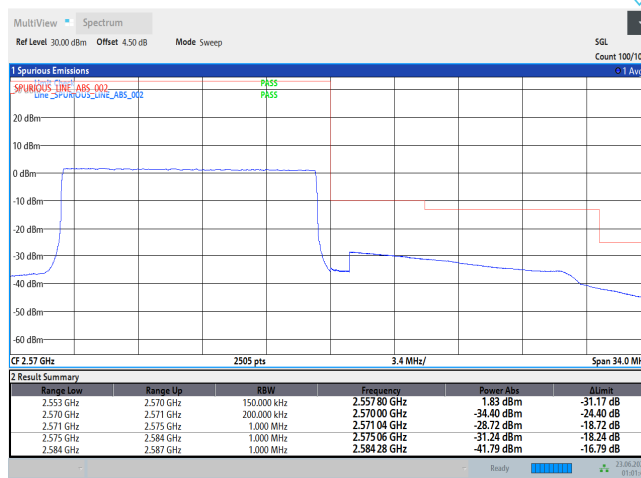
Page: 41 of 55

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



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



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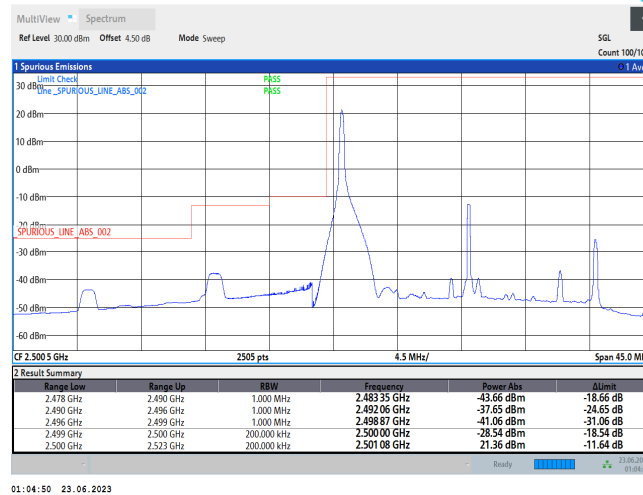
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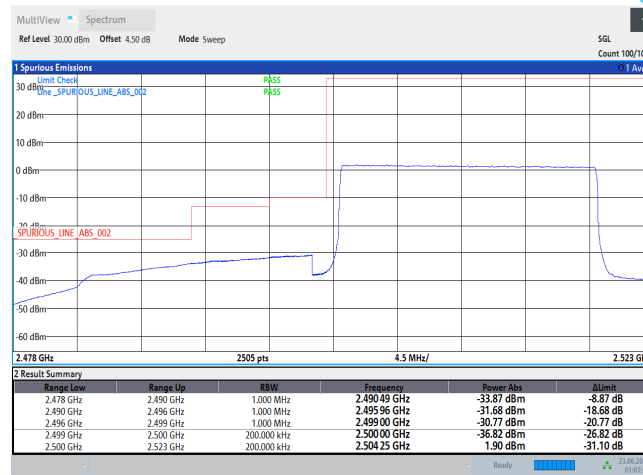
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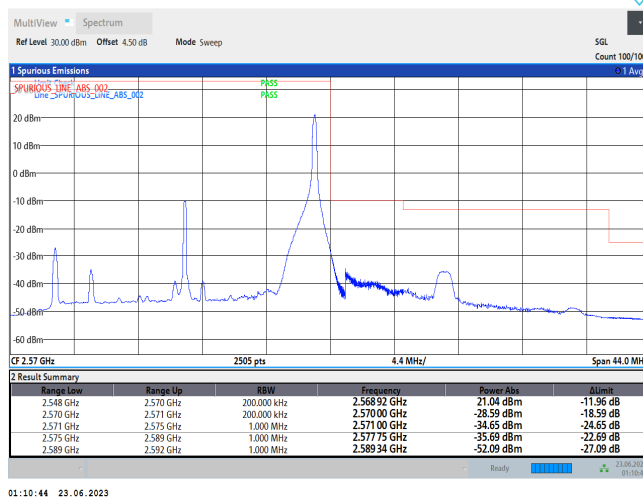
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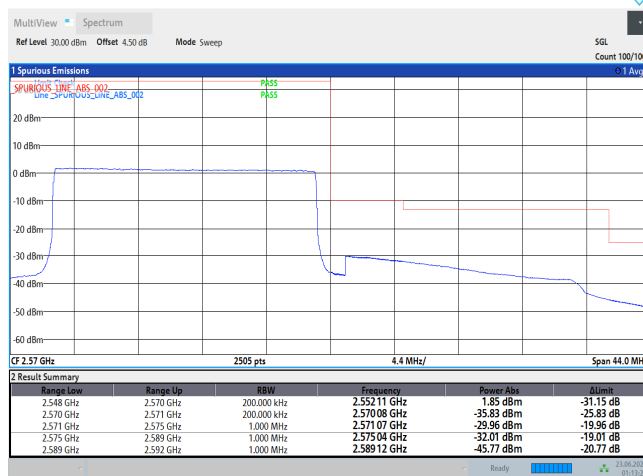
Page: 43 of 55

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



01:10:44 23.06.2023

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



01:13:29 23.06.2023



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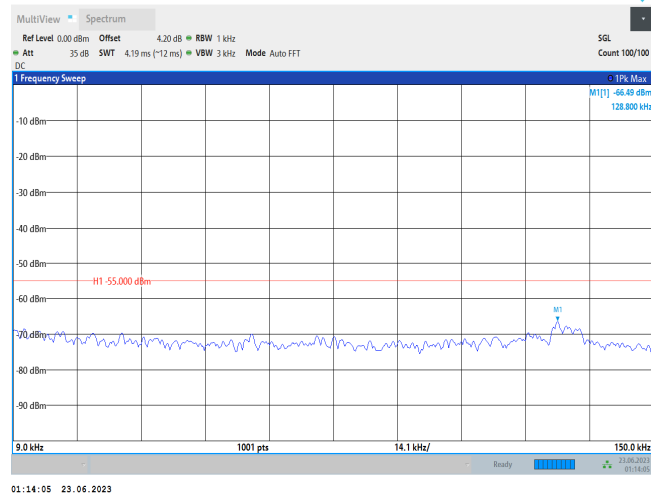
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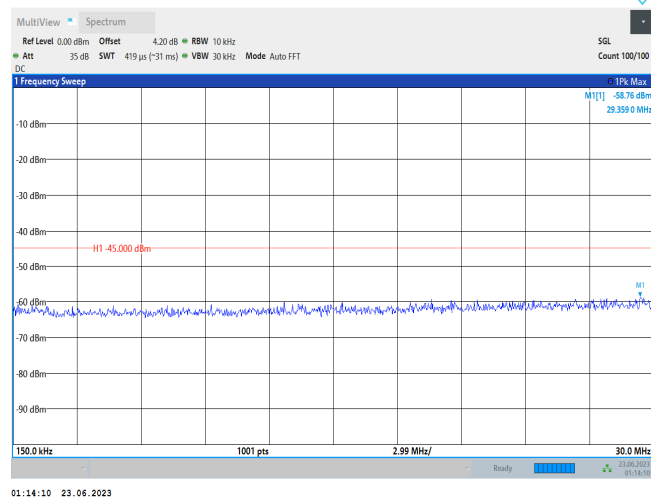
Conducted Spurious Emission

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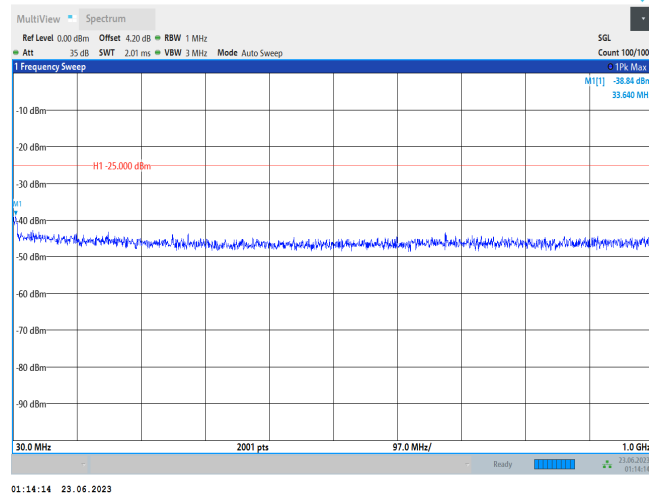
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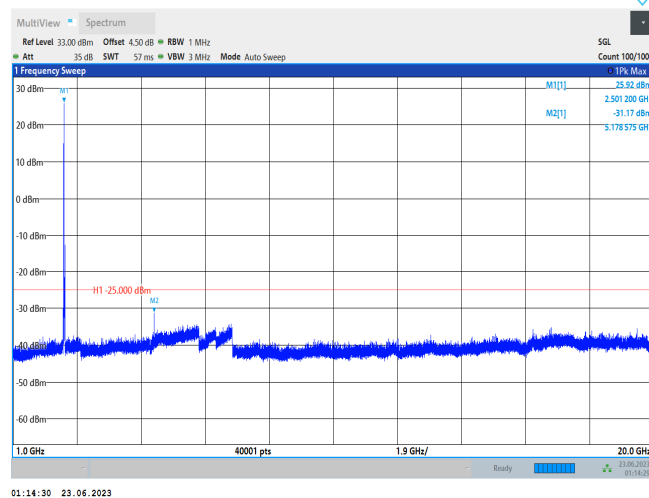
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Band7-20MHz-QPSK-20850-1RB#0-Range3:30~1000MHz



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



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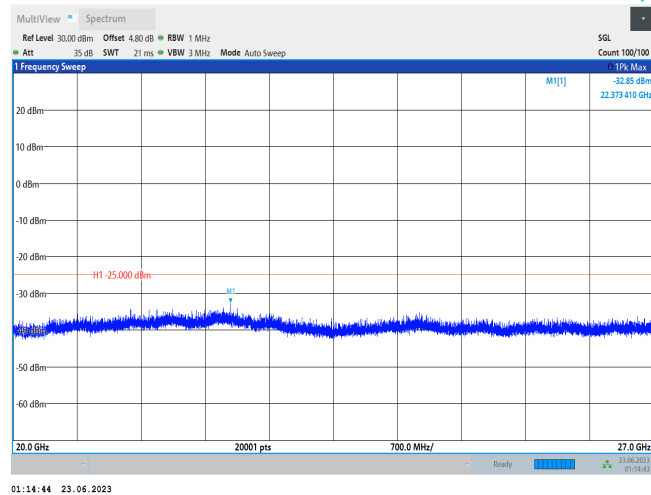
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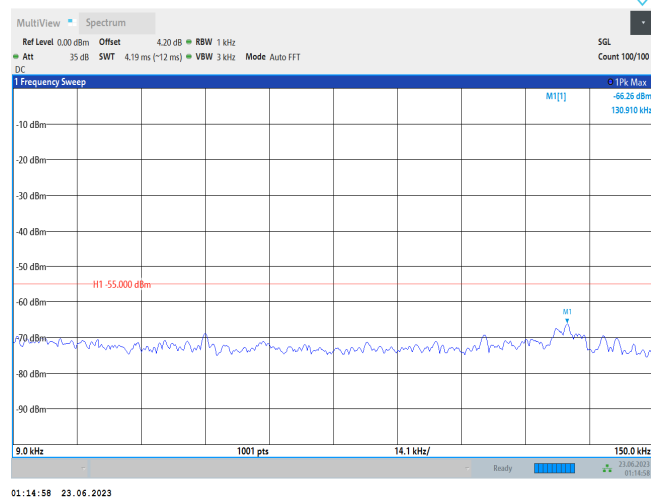
Rev.: 01

Page: 46 of 55

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



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



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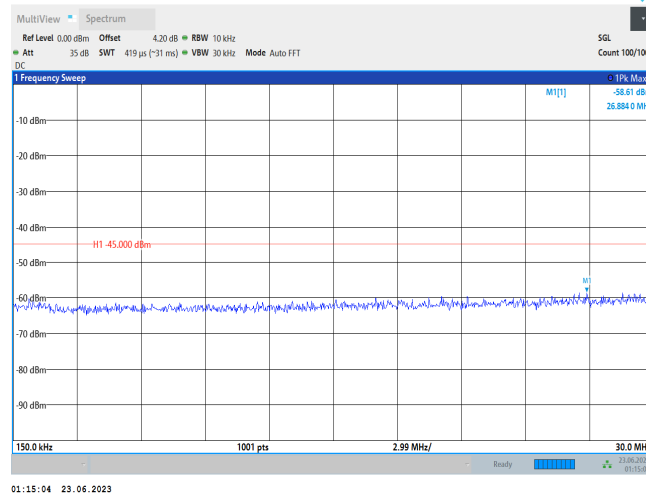
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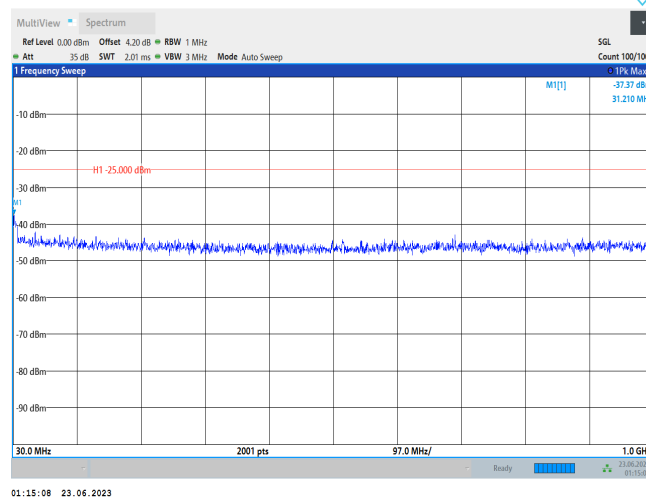
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Page: 47 of 55

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



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



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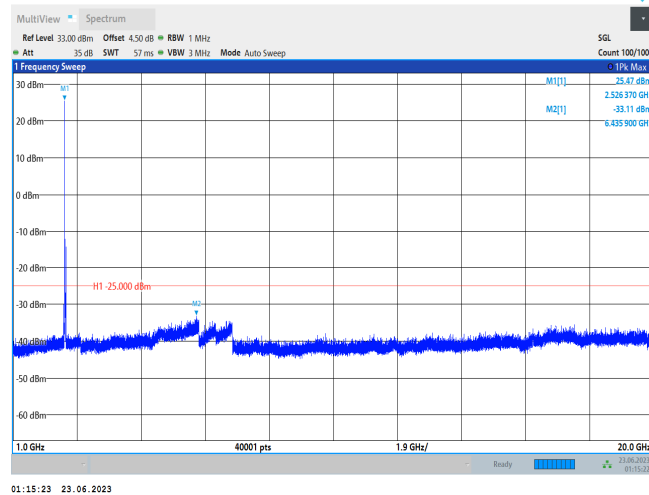
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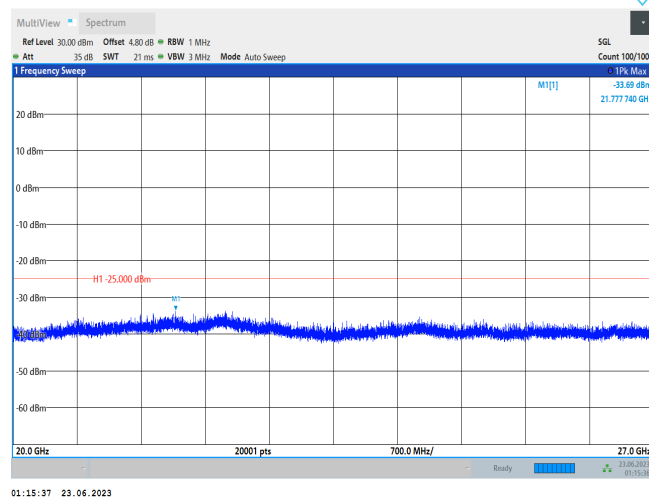
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Page: 48 of 55

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



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



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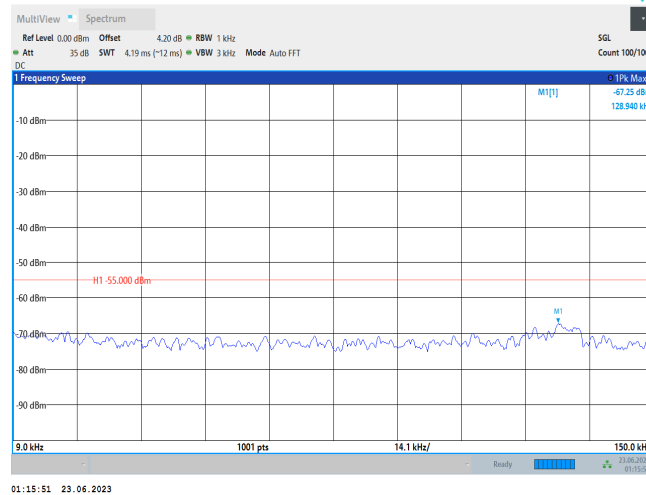
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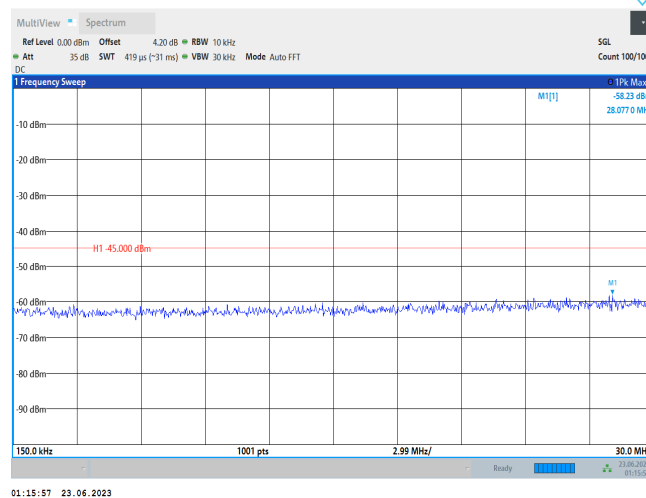
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Band7-20MHz-QPSK-21350-1RB#0-Range1:0.009~0.15MHz



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



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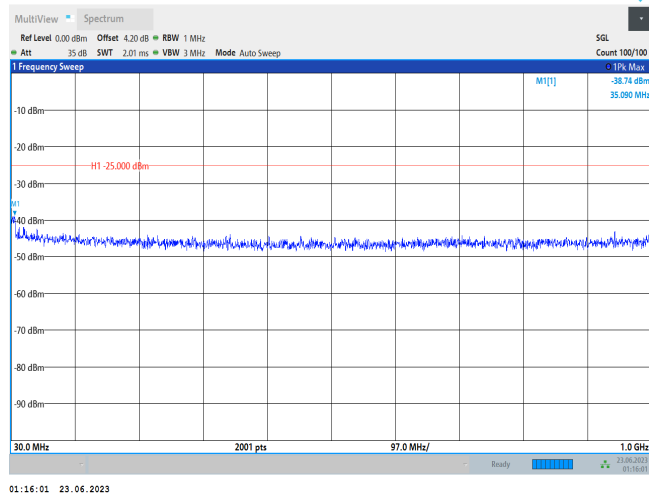
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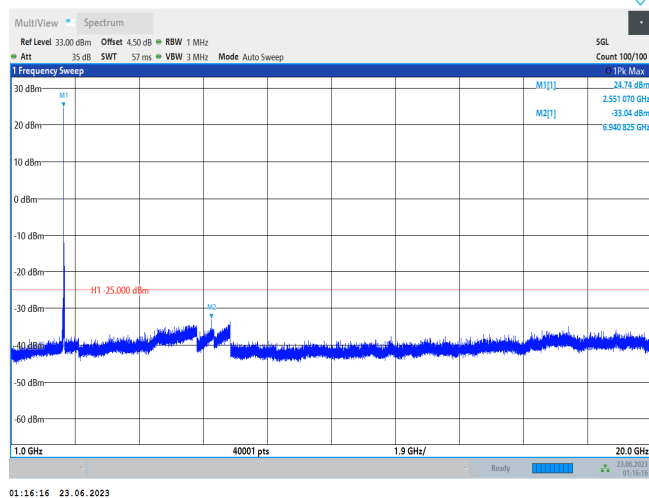
Page: 50 of 55

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



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



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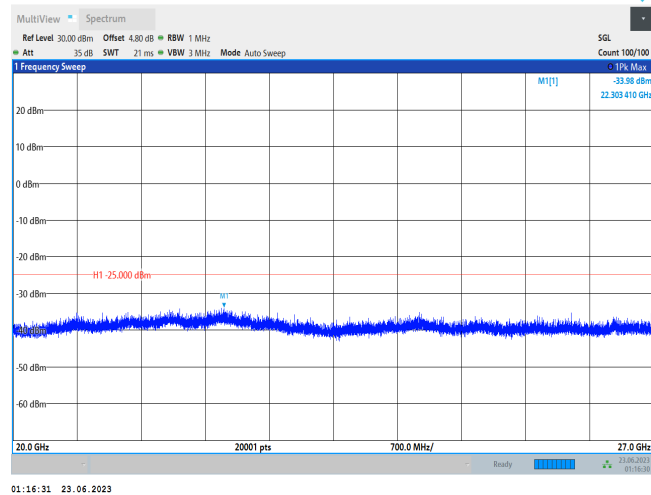
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Field Strength of Spurious Radiation

Test Band = LTE band 7_ TM1_20MHz

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.1800	41.30	-45.63	31.41	-68.19	-25.00	43.19	247	358	Horizontal
2	7503.2700	39.10	-43.13	36.60	-62.69	-25.00	37.69	136	90	Horizontal
3	10004.3600	33.24	-39.23	38.20	-63.05	-25.00	38.05	256	358	Horizontal
4	12505.4500	28.71	-36.99	38.95	-64.59	-25.00	39.59	142	4	Horizontal
5	15006.5400	26.15	-34.65	41.29	-62.48	-25.00	37.48	186	360	Horizontal
6	17507.6300	29.22	-34.95	44.59	-56.40	-25.00	31.40	219	4	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.1800	41.06	-45.63	31.41	-68.43	-25.00	43.43	211	255	Vertical
2	7503.2700	38.98	-43.13	36.60	-62.81	-25.00	37.81	156	91	Vertical
3	10004.3600	32.83	-39.23	38.20	-63.46	-25.00	38.46	174	36	Vertical
4	12505.4500	27.91	-36.99	38.95	-65.39	-25.00	40.39	152	1	Vertical
5	15006.5400	25.46	-34.65	41.29	-63.17	-25.00	38.17	143	20	Vertical
6	17507.6300	29.35	-34.95	44.59	-56.27	-25.00	31.27	199	72	Vertical



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Report No.: SEWM2305000178RG01

Rev.: 01

Page: 53 of 55

Test Band = LTE band 7_ TM1_20MHz
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5052.1800	41.50	-45.50	31.53	-67.73	-25.00	42.73	244	90	Horizontal
2	7578.2700	39.05	-42.98	36.63	-62.55	-25.00	37.55	186	270	Horizontal
3	10104.3600	32.63	-39.14	38.25	-63.51	-25.00	38.51	199	179	Horizontal
4	12630.4500	27.79	-37.33	38.99	-65.81	-25.00	40.81	132	340	Horizontal
5	15156.5400	26.76	-34.36	40.97	-61.89	-25.00	36.89	255	358	Horizontal
6	17682.6300	30.10	-33.89	45.37	-53.68	-25.00	28.68	287	179	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5052.1800	41.78	-45.50	31.53	-67.45	-25.00	42.45	111	0	Vertical
2	7578.2700	38.55	-42.98	36.63	-63.05	-25.00	38.05	198	218	Vertical
3	10104.3600	32.55	-39.14	38.25	-63.59	-25.00	38.59	157	291	Vertical
4	12630.4500	28.93	-37.33	38.99	-64.67	-25.00	39.67	145	127	Vertical
5	15156.5400	25.78	-34.36	40.97	-62.87	-25.00	37.87	165	310	Vertical
6	17682.6300	30.05	-33.89	45.37	-53.73	-25.00	28.73	128	237	Vertical



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Report No.: SEWM2305000178RG01

Rev.: 01

Page: 54 of 55

Test Band = LTE band 7_ TM1_20MHz
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5102.1800	40.33	-45.37	31.65	-68.65	-25.00	43.65	277	91	Horizontal
2	7653.2700	39.79	-43.03	36.66	-61.84	-25.00	36.84	123	353	Horizontal
3	10204.3600	32.40	-39.48	38.30	-64.04	-25.00	39.04	256	358	Horizontal
4	12755.4500	28.69	-36.76	39.03	-64.31	-25.00	39.31	195	180	Horizontal
5	15306.5400	27.01	-34.35	40.66	-61.95	-25.00	36.95	148	360	Horizontal
6	17857.6300	31.94	-34.56	46.16	-51.72	-25.00	26.72	188	341	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5102.1800	39.95	-45.37	31.65	-69.03	-25.00	44.03	244	325	Vertical
2	7653.2700	39.17	-43.03	36.66	-62.46	-25.00	37.46	175	7	Vertical
3	10204.3600	31.50	-39.48	38.30	-64.94	-25.00	39.94	136	218	Vertical
4	12755.4500	28.56	-36.76	39.03	-64.44	-25.00	39.44	251	162	Vertical
5	15306.5400	26.73	-34.35	40.66	-62.23	-25.00	37.23	148	273	Vertical
6	17857.6300	31.29	-34.56	46.16	-52.37	-25.00	27.37	186	254	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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Report No.: SEWM2305000178RG01

Rev.: 01

Page: 55 of 55

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	-20.40	-0.008047	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	8.50	0.003353	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	5.10	0.002012	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-16.00	-0.006312	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-15.50	-0.006114	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	3.20	0.001262	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-14.00	-0.005523	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	2.30	0.000907	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	0.30	0.000118	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-19.50	-0.007692	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-11.40	-0.004497	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-0.50	-0.000197	PASS

---End of Attachment---



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