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Appendix B.6

LTE Band 7



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Effective (Isotropic) Radiated Power Output Data

Test Result

ANT3

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	17.41	18.24	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	17.71	18.54	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	17.42	18.25	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	16.58	17.41	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	17.25	18.08	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	17.52	18.35	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	17.22	18.05	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	16.41	17.24	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	17.33	18.16	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	17.63	18.46	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	17.35	18.18	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	16.55	17.38	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	16.74	17.57	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	16.91	17.74	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	16.66	17.49	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	15.55	16.38	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	16.54	17.37	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	16.84	17.67	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	16.46	17.29	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	15.41	16.24	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	16.64	17.47	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	16.84	17.67	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	16.64	17.47	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	15.52	16.35	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	15.55	16.38	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	15.83	16.66	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	15.57	16.4	33.00	PASS



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Band7	5MHz	64QAM	20775	25RB#0	14.58	15.41	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	15.41	16.24	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	15.67	16.5	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	15.34	16.17	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	14.36	15.19	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	15.58	16.41	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	15.68	16.51	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	15.49	16.32	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	14.47	15.3	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	17.55	18.38	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	17.69	18.52	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	17.45	18.28	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	16.67	17.5	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	17.36	18.19	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	17.49	18.32	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	17.3	18.13	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	16.54	17.37	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	17.38	18.21	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	17.63	18.46	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	17.4	18.23	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	16.65	17.48	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	16.82	17.65	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	16.9	17.73	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	16.77	17.6	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	15.63	16.46	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	16.57	17.4	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	16.82	17.65	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	16.49	17.32	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	15.5	16.33	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	16.57	17.4	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	16.79	17.62	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	16.64	17.47	33.00	PASS



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Band7	10MHz	16QAM	21400	50RB#0	15.6	16.43	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	15.7	16.53	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	15.82	16.65	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	15.61	16.44	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	14.65	15.48	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	15.5	16.33	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#24	15.68	16.51	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	15.5	16.33	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	14.46	15.29	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	15.56	16.39	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	15.7	16.53	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	15.51	16.34	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	14.57	15.4	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	17.3	18.13	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	17.54	18.37	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	17.27	18.1	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	16.56	17.39	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	17.2	18.03	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	17.37	18.2	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	17.13	17.96	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	16.39	17.22	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	17.17	18	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	17.45	18.28	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	17.21	18.04	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	16.5	17.33	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	16.55	17.38	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	16.87	17.7	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	16.51	17.34	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	15.51	16.34	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	16.44	17.27	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	16.62	17.45	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	16.36	17.19	33.00	PASS



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Band7	15MHz	16QAM	21100	75RB#0	15.36	16.19	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	16.49	17.32	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	16.73	17.56	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	16.43	17.26	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	15.43	16.26	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	15.56	16.39	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	15.69	16.52	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	15.44	16.27	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	14.54	15.37	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	15.46	16.29	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	15.55	16.38	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	15.33	16.16	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	14.33	15.16	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	15.3	16.13	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#38	15.55	16.38	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	15.37	16.2	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	14.41	15.24	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	17.17	18	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	17.58	18.41	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	17.14	17.97	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	16.56	17.39	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	17.04	17.87	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	17.41	18.24	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	16.99	17.82	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	16.39	17.22	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	17.06	17.89	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	17.48	18.31	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	17.09	17.92	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	16.46	17.29	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	16.41	17.24	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	16.8	17.63	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	16.39	17.22	33.00	PASS



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Band7	20MHz	16QAM	21100	1RB#0	16.27	17.1	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	16.67	17.5	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	16.32	17.15	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	15.36	16.19	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	16.38	17.21	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	16.75	17.58	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	16.42	17.25	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	15.4	16.23	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	15.41	16.24	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	15.81	16.64	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	15.29	16.12	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	14.51	15.34	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	15.2	16.03	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	15.59	16.42	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	15.23	16.06	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	14.32	15.15	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#0	15.15	15.98	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#49	15.59	16.42	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	15.28	16.11	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	14.41	15.24	33.00	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

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Band7	20MHz	QPSK	20850	100RB#0	5.36	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.34	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.18	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.04	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.16	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.98	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.36	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.38	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.30	13	PASS



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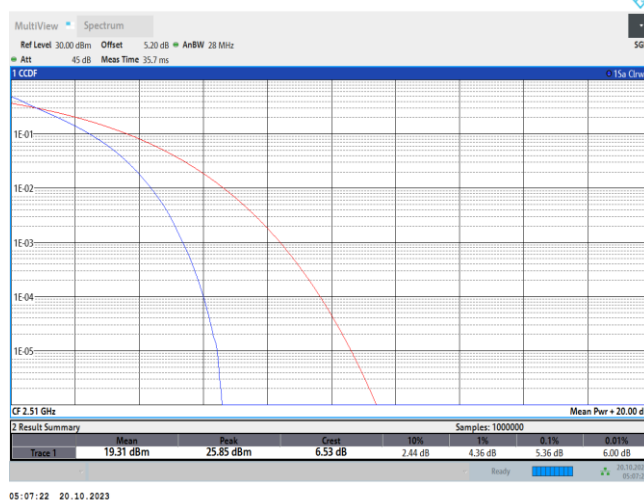
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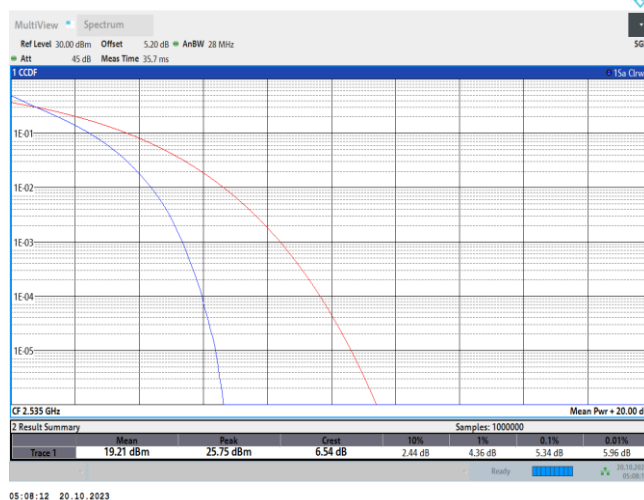
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Test Graphs

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



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



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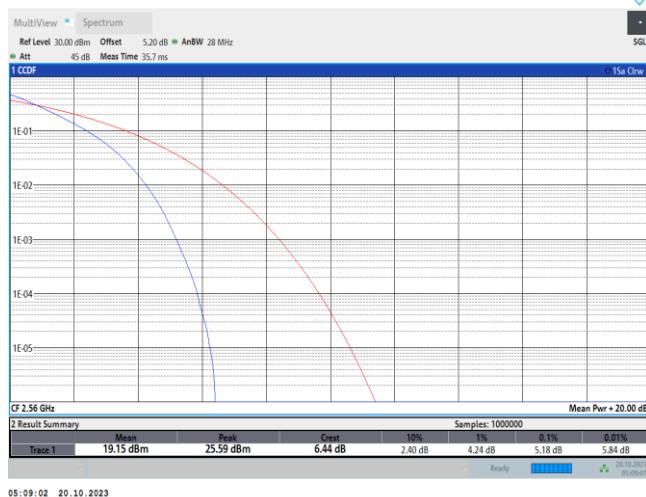
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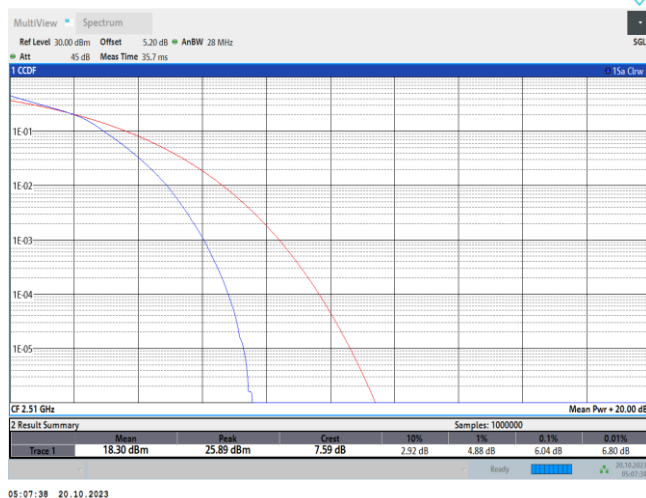
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Band7-20MHz-QPSK-21350-100RB#0



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



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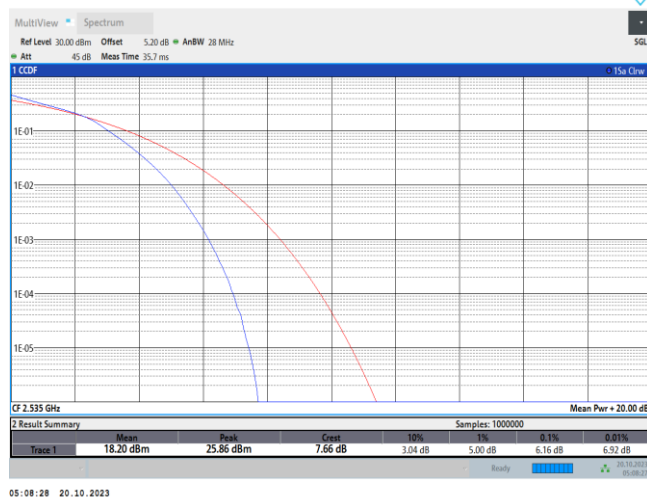
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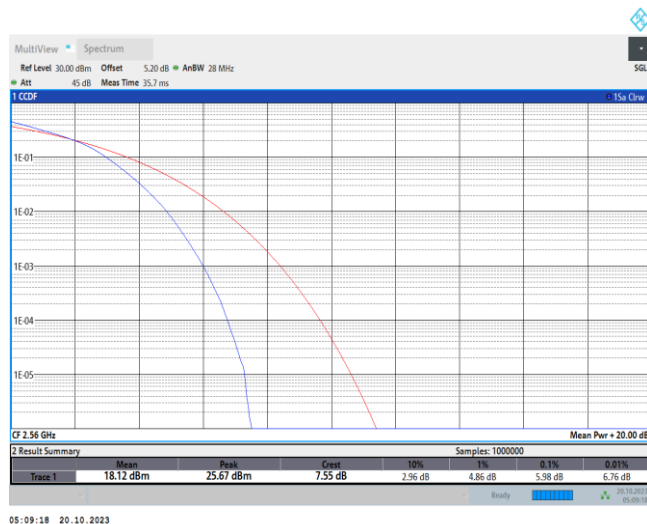
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Band7-20MHz-16QAM-21350-100RB#0



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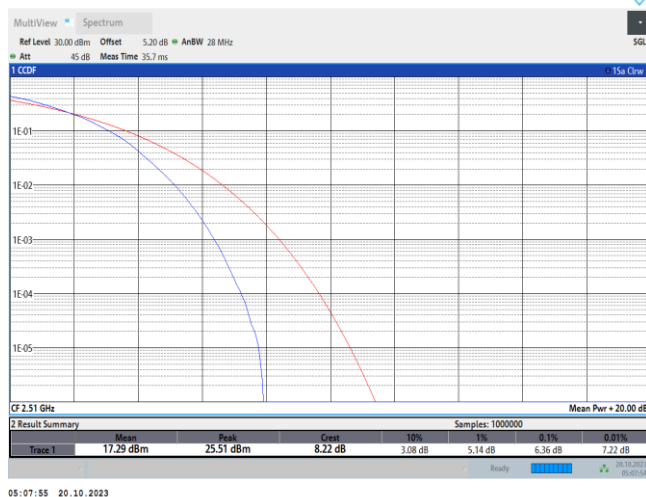
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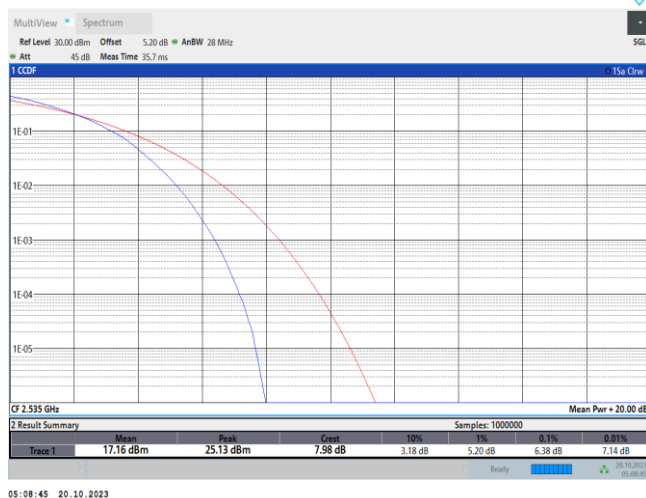
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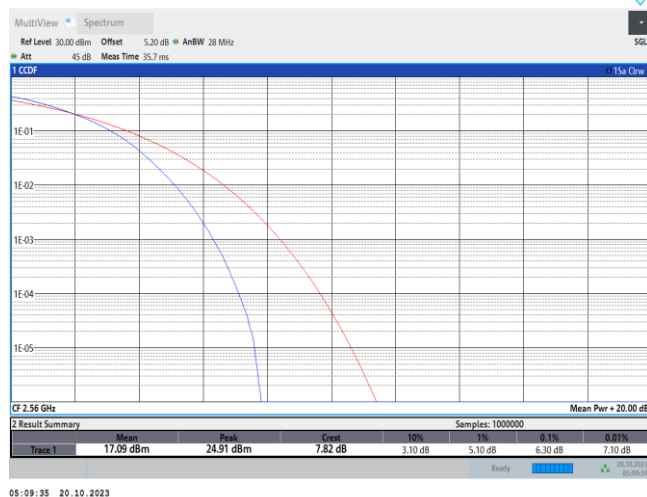
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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	21100	25RB#0	4.468	4.81	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.464	4.85	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.473	4.84	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.937	9.54	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.91	9.56	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.931	9.56	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.471	15.48	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.457	14.79	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.442	14.70	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.923	19.40	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.917	19.68	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.891	19.32	PASS



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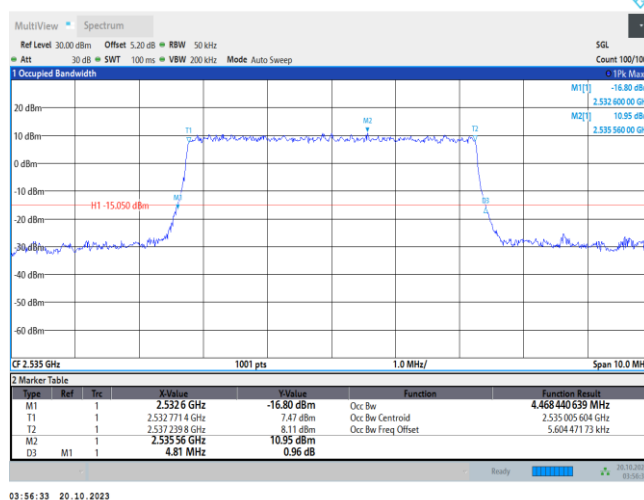
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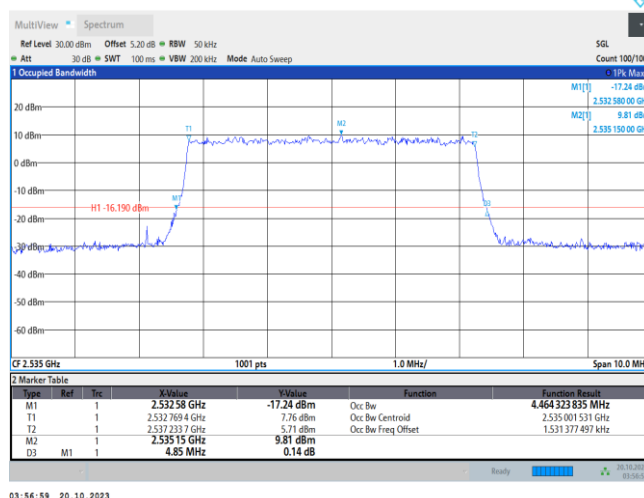
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Test Graphs

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



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



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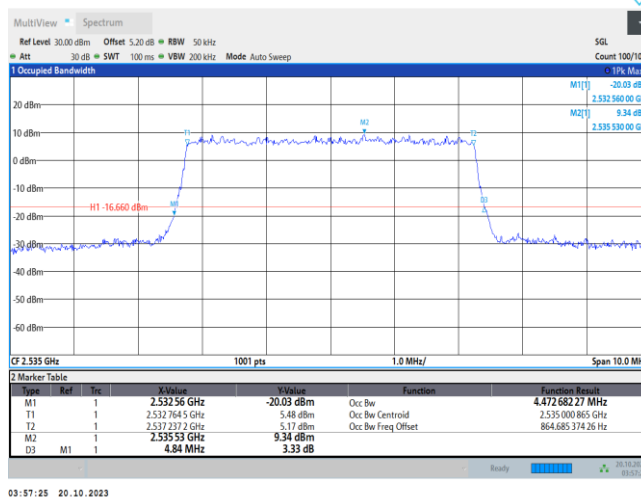
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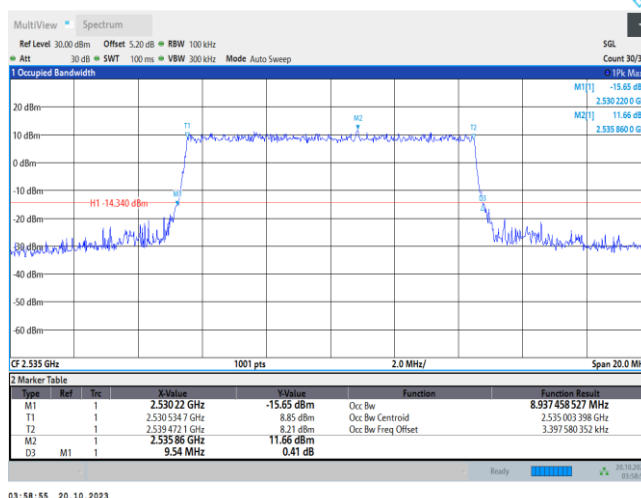
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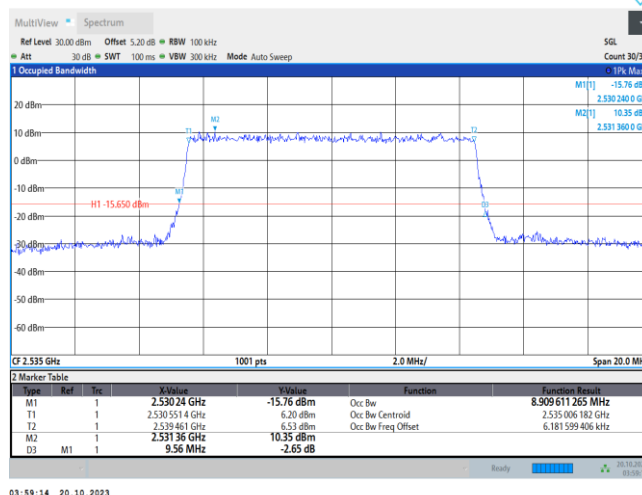


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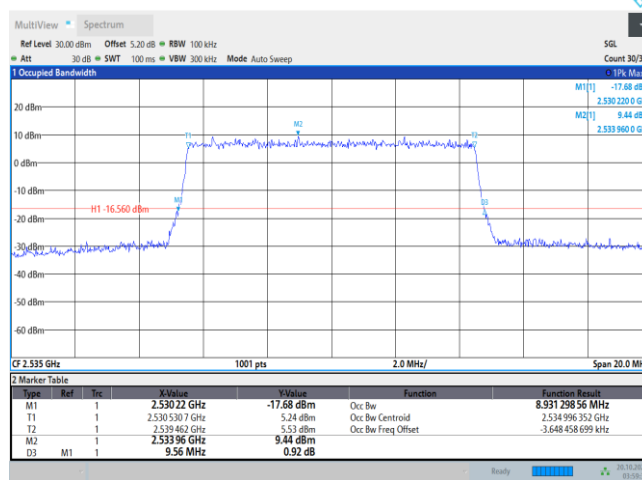
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Band7-10MHz-64QAM-21100-50RB#0



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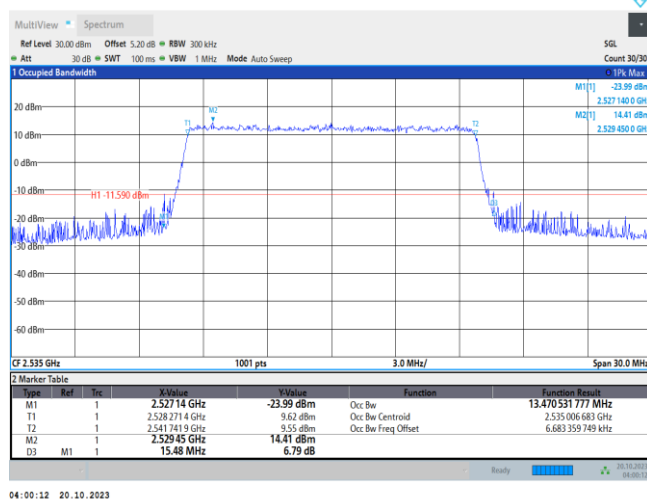
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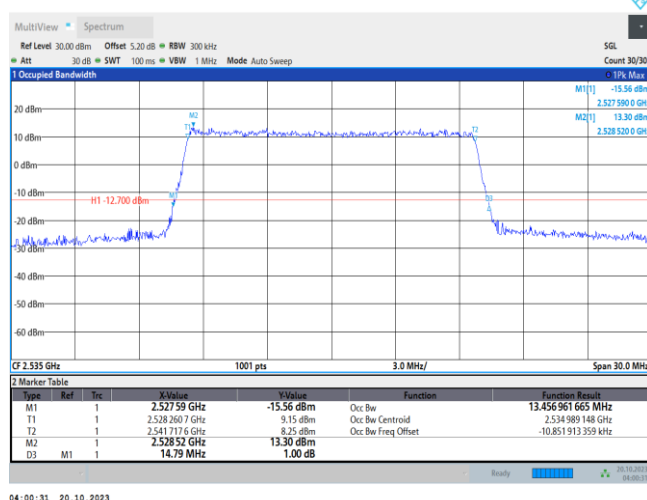
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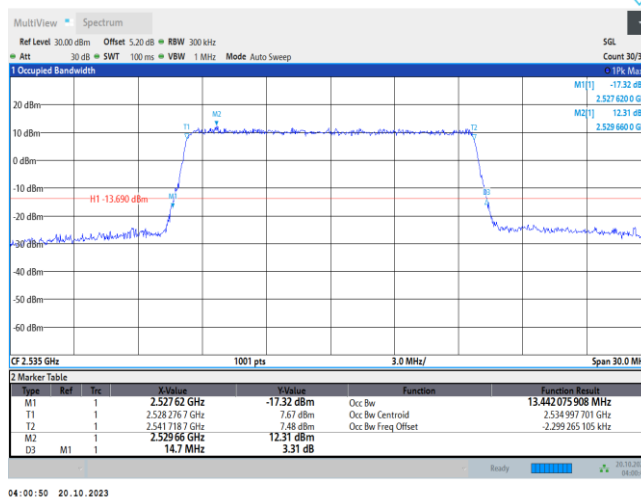
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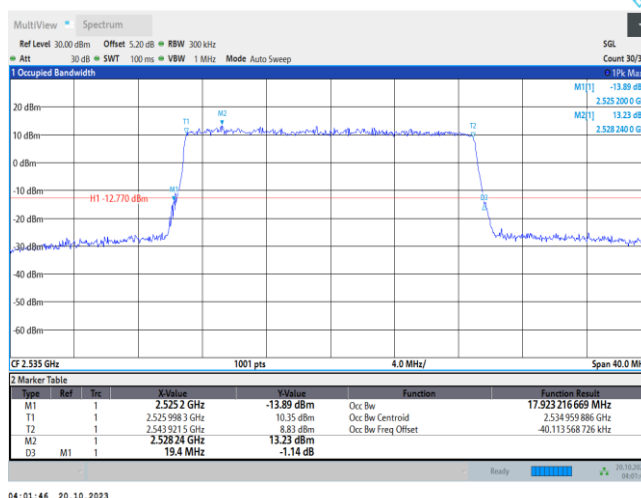
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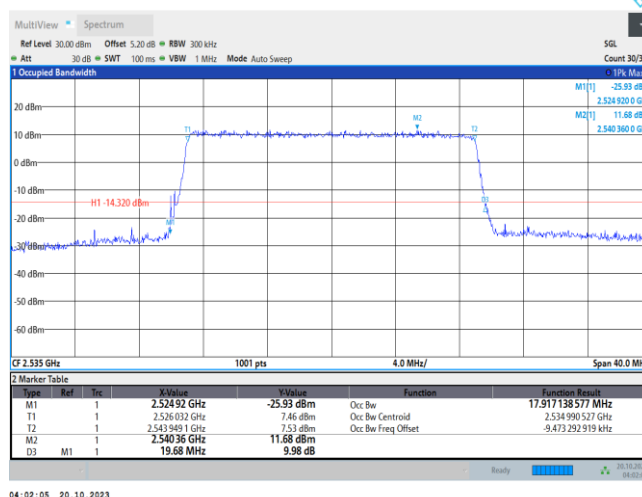
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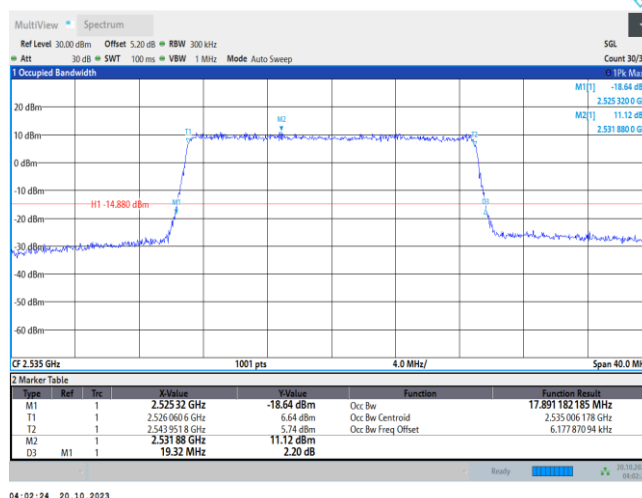
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Band7-20MHz-16QAM-21100-100RB#0



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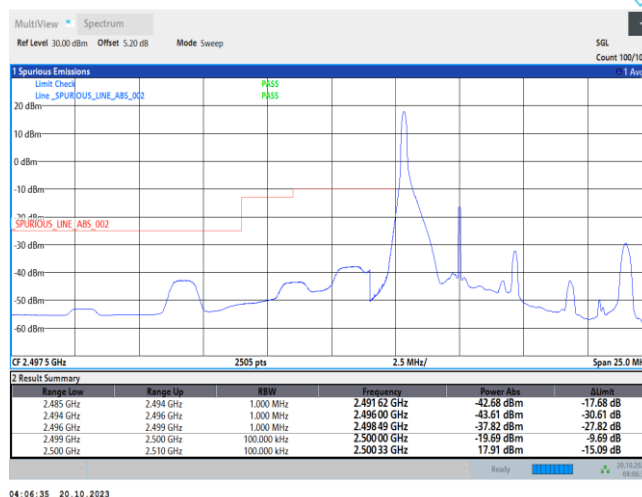
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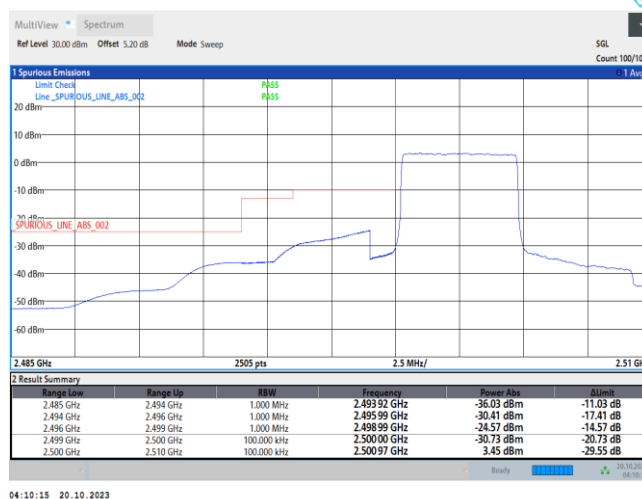
Band Edge

Test Graphs

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



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



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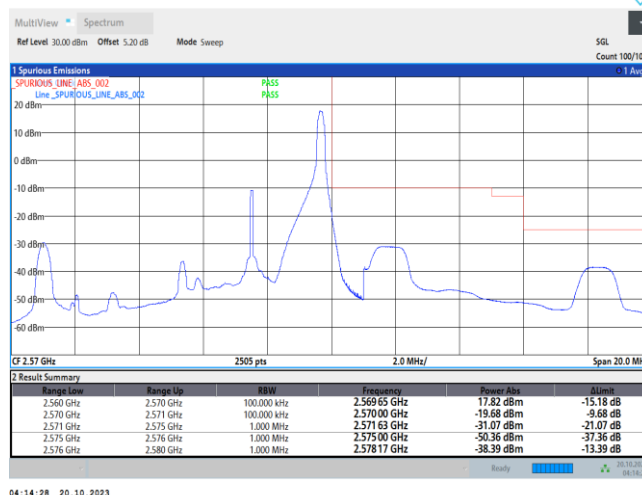
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Band7-5MHz-QPSK-21425-1RB#24



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



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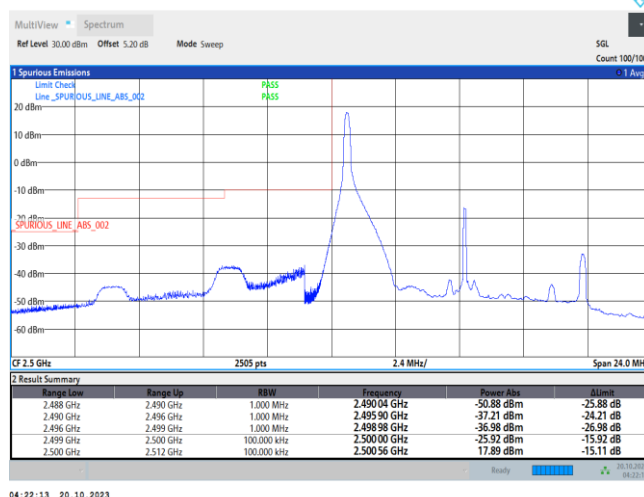
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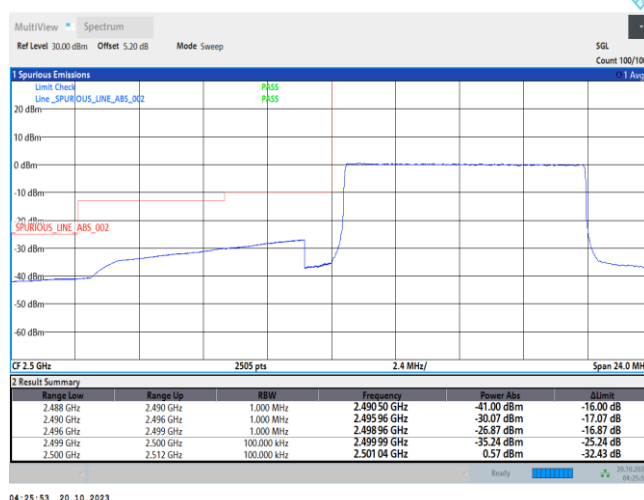
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Band7-10MHz-QPSK-20800-1RB#0



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



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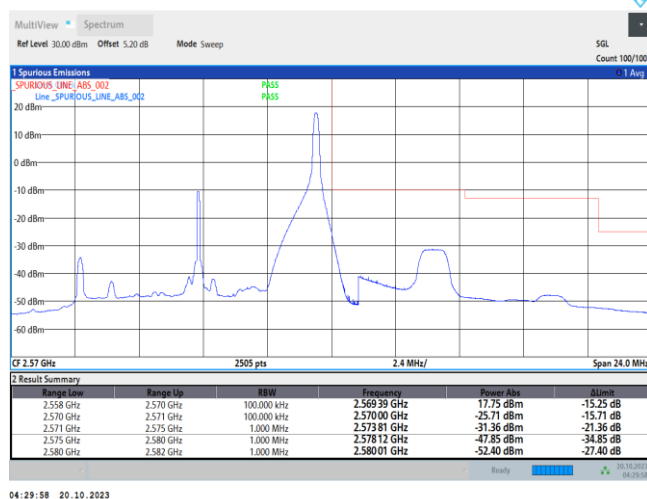
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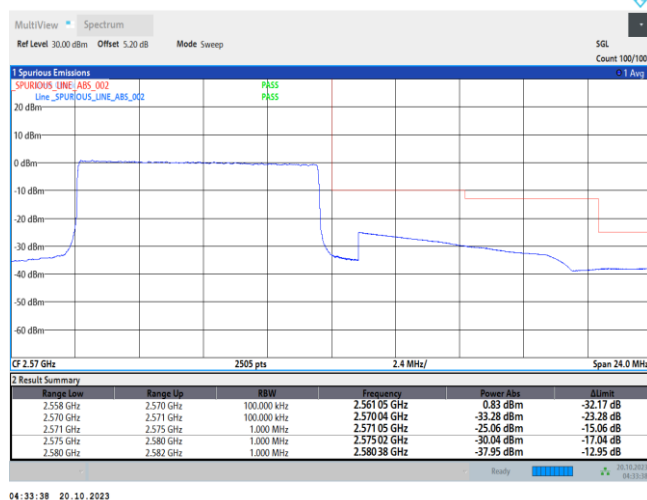
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Band7-10MHz-QPSK-21400-1RB#49



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



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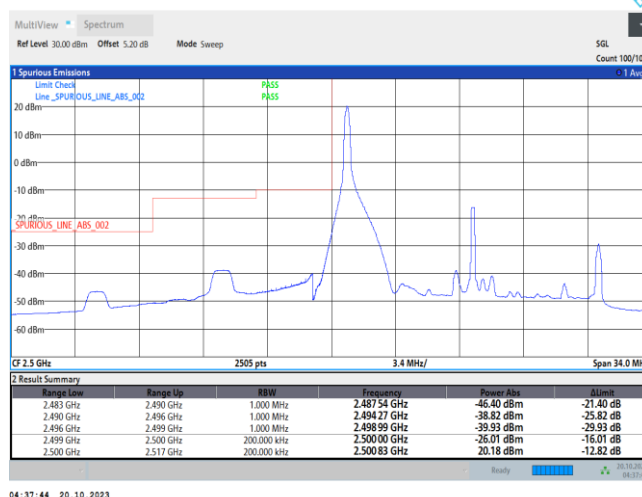
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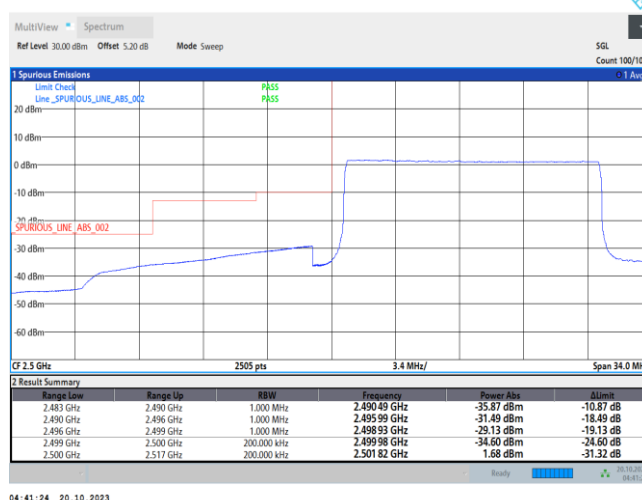
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Band7-15MHz-QPSK-20825-1RB#0



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



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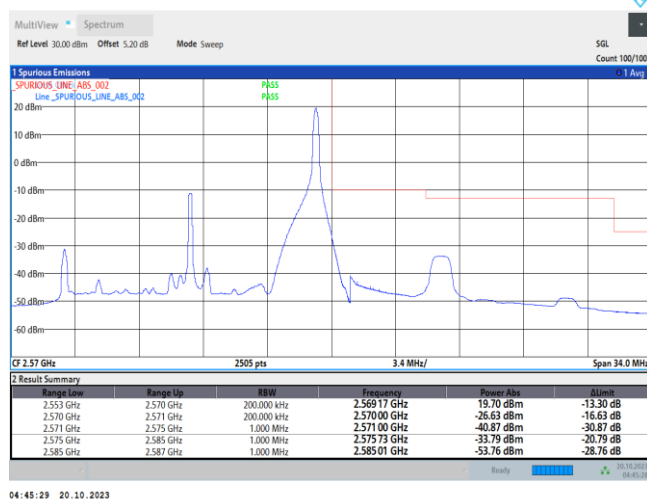
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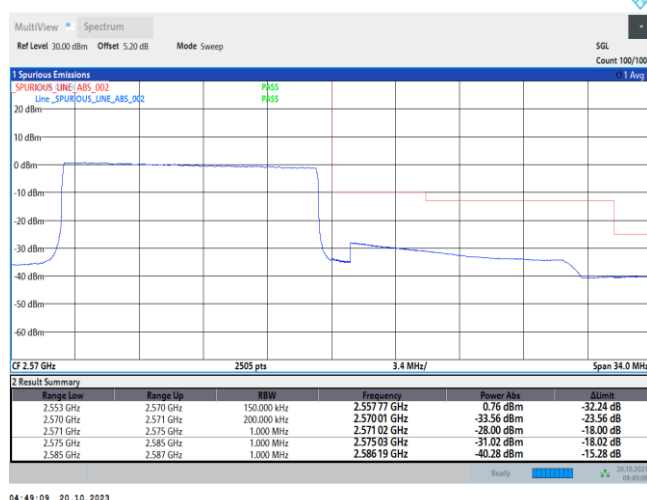
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Band7-15MHz-QPSK-21375-1RB#74



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



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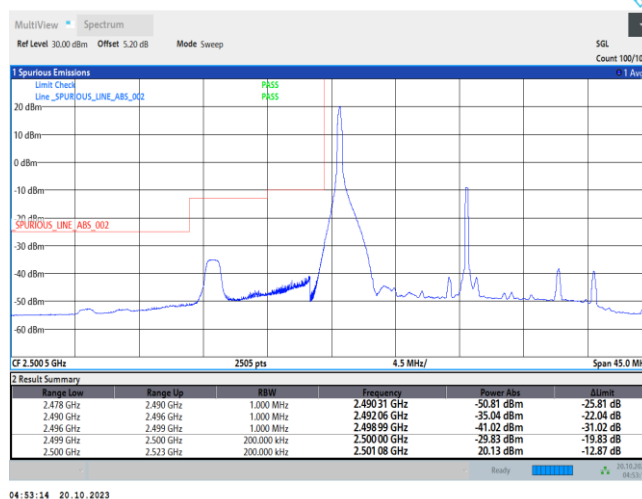
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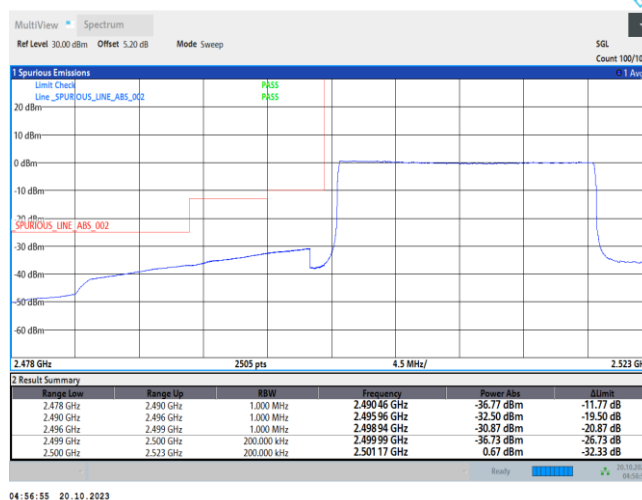
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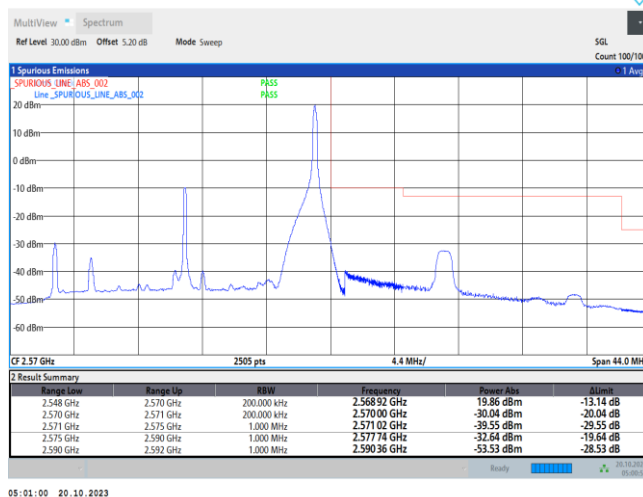
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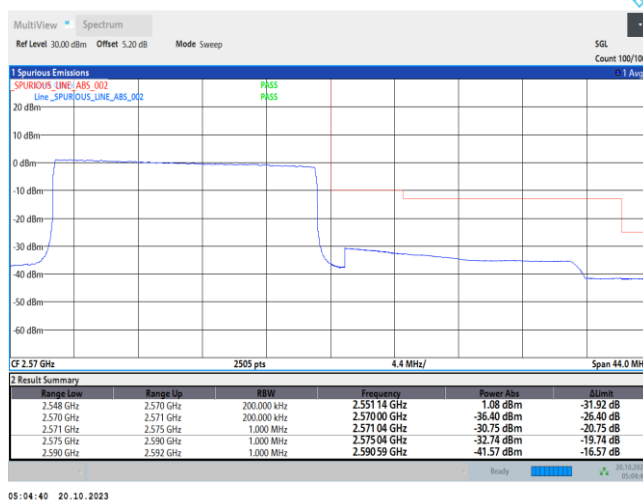
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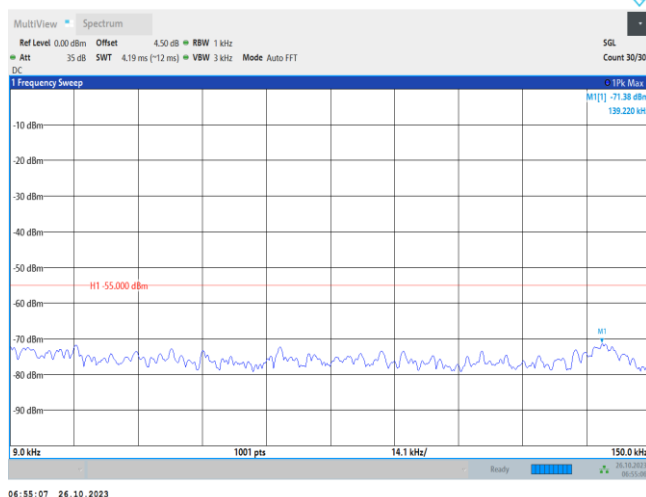
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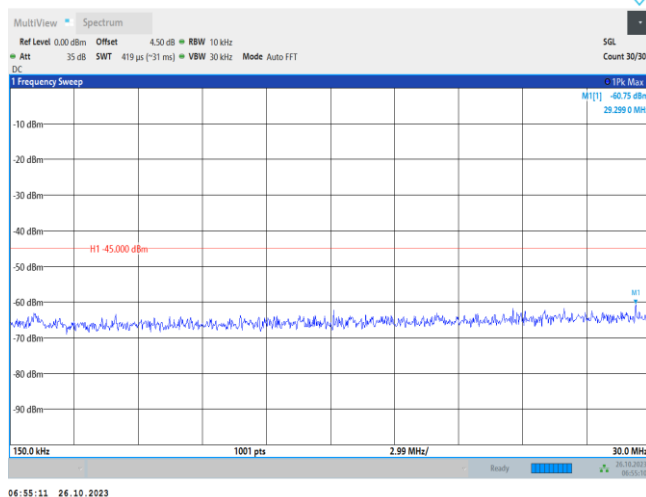
Conducted Spurious Emission

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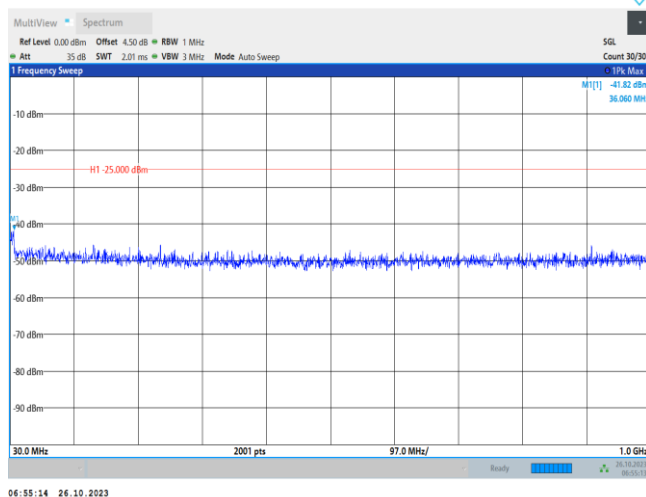
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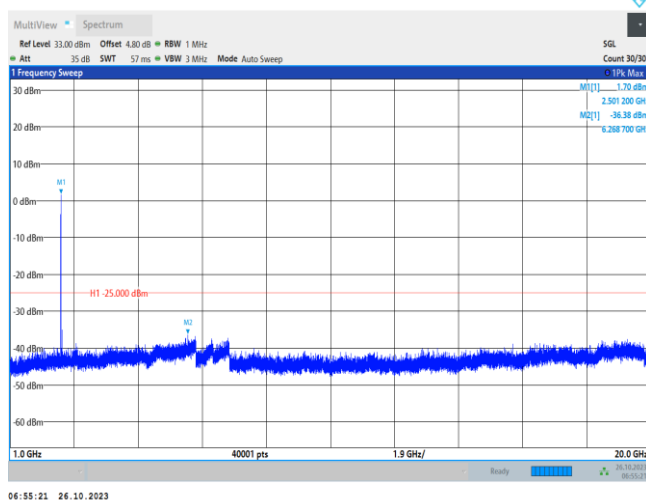
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Band7-20MHz-QPSK-20850-1RB#0-Range3:30~1000MHz



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



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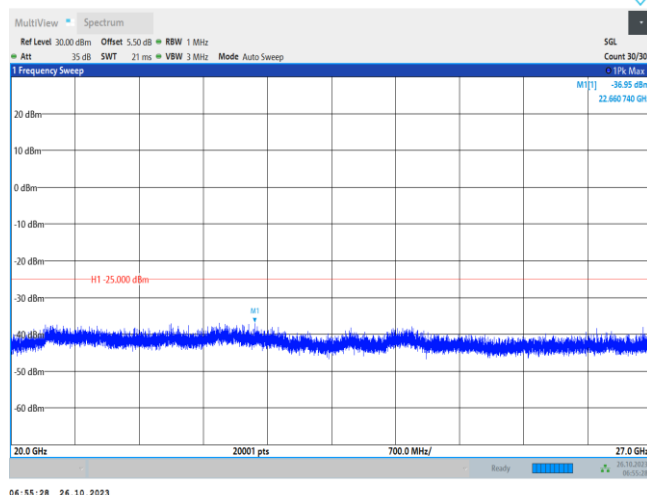
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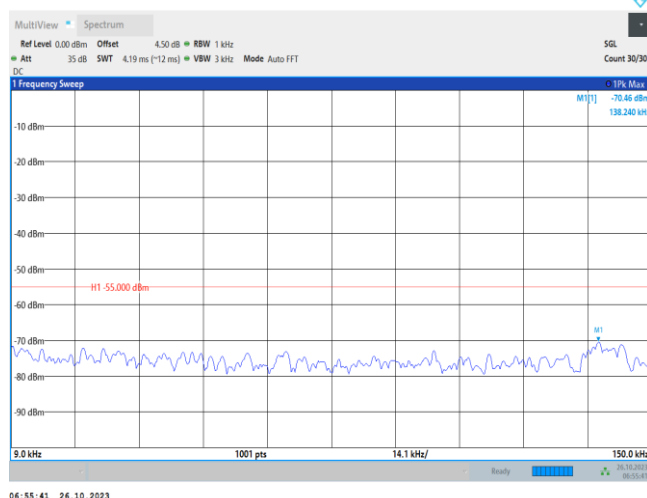
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Band7-20MHz-QPSK-20850-1RB#0-Range5:20000~27000MHz



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



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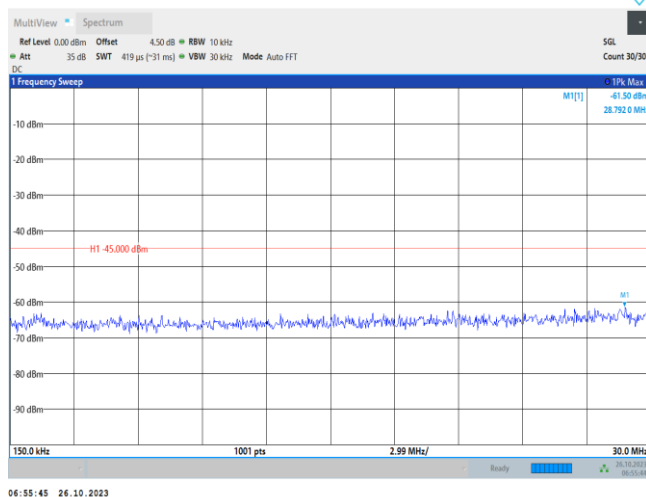
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Report No.: SEWM2309000387RG01

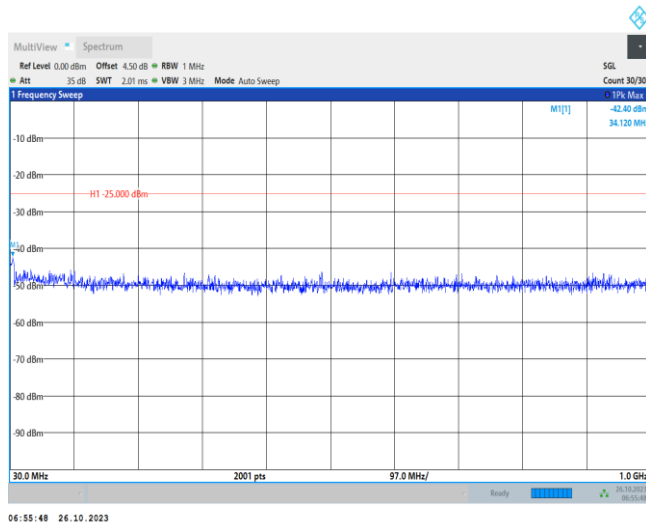
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Band7-20MHz-QPSK-21100-1RB#0-Range2:0.15~30MHz



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



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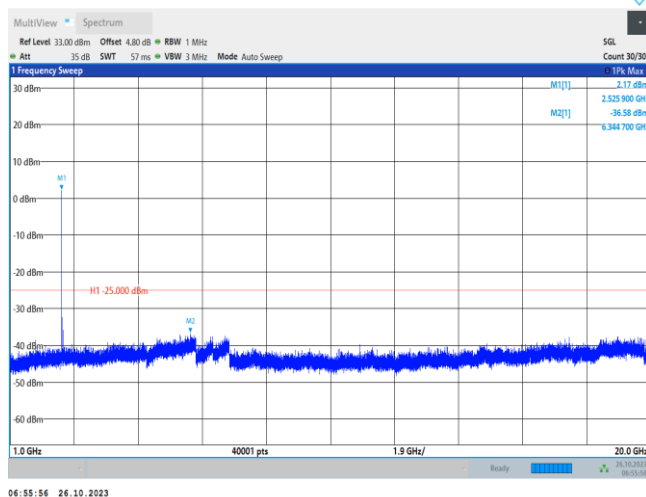
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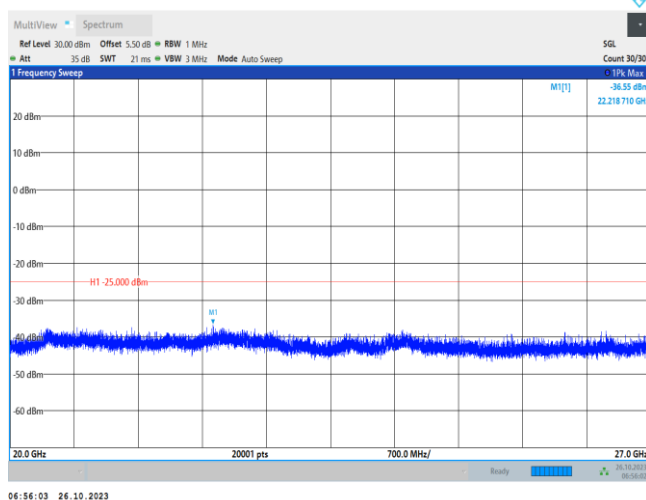
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Band7-20MHz-QPSK-21100-1RB#0-Range4:1000~20000MHz



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



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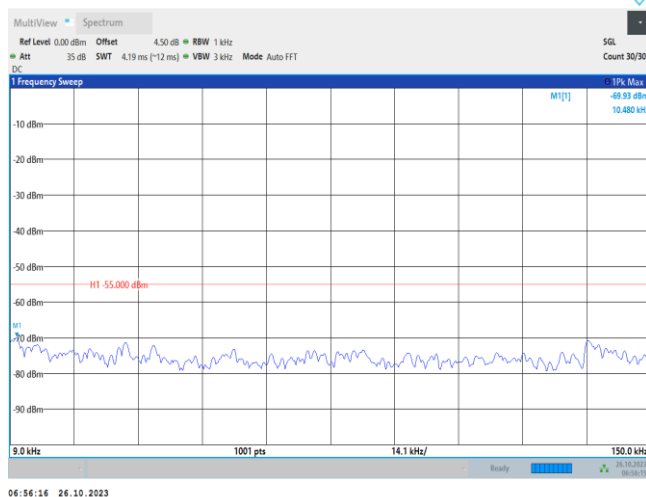
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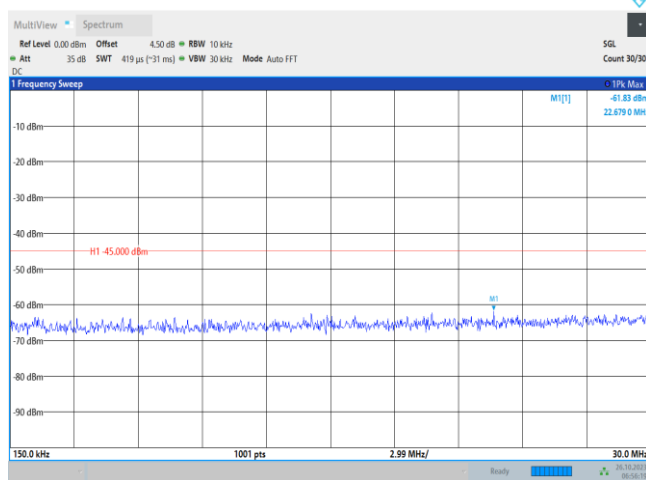
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Band7-20MHz-QPSK-21350-1RB#0-Range1:0.009~0.15MHz



06:56:16 26.10.2023

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



06:56:19 26.10.2023



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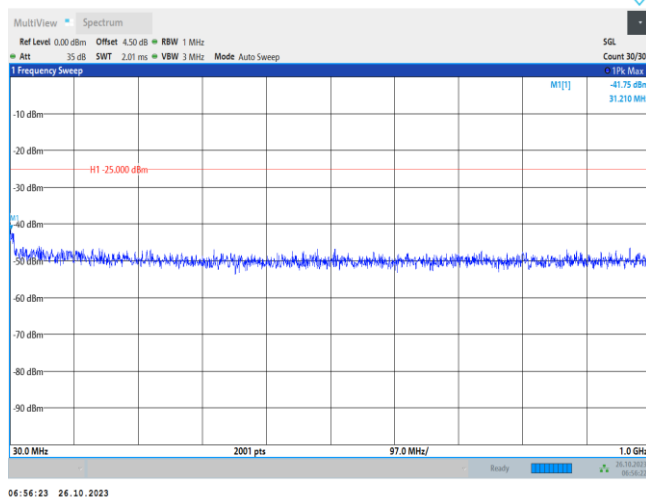
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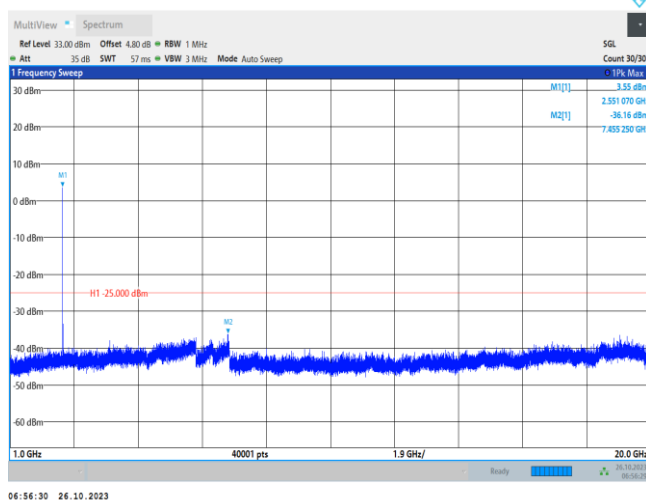
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Band7-20MHz-QPSK-21350-1RB#0-Range3:30~1000MHz



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



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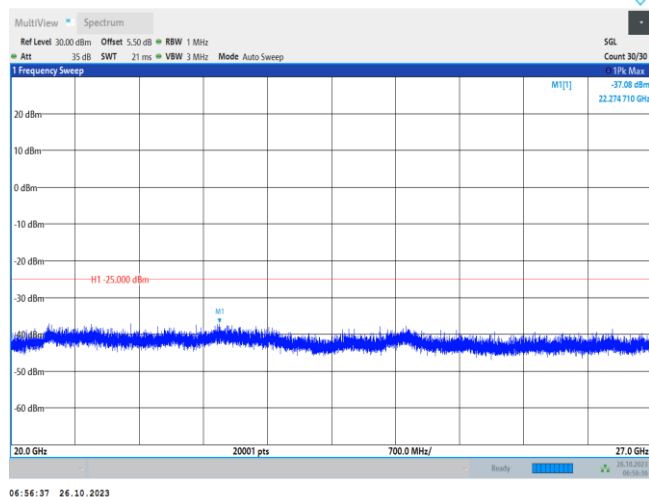


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Band7-20MHz-QPSK-21350-1RB#0-Range5:20000~27000MHz



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Field Strength of Spurious Radiation

Test Band = LTE 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	50.18	-45.63	31.41	-59.31	-25.00	34.31	Horizontal
2	7503.2700	43.20	-43.13	36.60	-58.59	-25.00	33.59	Horizontal
3	10004.3600	33.30	-39.23	38.20	-62.99	-25.00	37.99	Horizontal
4	12505.4500	29.34	-36.99	38.95	-63.96	-25.00	38.96	Horizontal
5	15006.5400	25.43	-34.65	41.29	-63.20	-25.00	38.20	Horizontal
6	17507.6300	29.82	-34.95	44.59	-55.80	-25.00	30.80	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5002.1800	50.07	-45.63	31.41	-59.42	-25.00	34.42	Vertical
2	7503.2700	47.10	-43.13	36.60	-54.69	-25.00	29.69	Vertical
3	10004.3600	35.26	-39.23	38.20	-61.03	-25.00	36.03	Vertical
4	12505.4500	28.47	-36.99	38.95	-64.83	-25.00	39.83	Vertical
5	15006.5400	26.36	-34.65	41.29	-62.27	-25.00	37.27	Vertical
6	17507.6300	28.86	-34.95	44.59	-56.76	-25.00	31.76	Vertical



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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	49.70	-45.50	31.53	-59.53	-25.00	34.53	Horizontal
2	7578.2700	42.00	-42.98	36.63	-59.60	-25.00	34.60	Horizontal
3	10104.3600	33.46	-39.14	38.25	-62.68	-25.00	37.68	Horizontal
4	12630.4500	28.73	-37.33	38.99	-64.87	-25.00	39.87	Horizontal
5	15156.5400	26.15	-34.36	40.97	-62.50	-25.00	37.50	Horizontal
6	17682.6300	29.55	-33.89	45.37	-54.23	-25.00	29.23	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5052.1800	48.34	-45.50	31.53	-60.89	-25.00	35.89	Vertical
2	7578.2700	45.80	-42.98	36.63	-55.80	-25.00	30.80	Vertical
3	10104.3600	34.78	-39.14	38.25	-61.36	-25.00	36.36	Vertical
4	12630.4500	28.61	-37.33	38.99	-64.99	-25.00	39.99	Vertical
5	15156.5400	26.80	-34.36	40.97	-61.85	-25.00	36.85	Vertical
6	17682.6300	30.41	-33.89	45.37	-53.37	-25.00	28.37	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	51.35	-45.37	31.65	-57.63	-25.00	32.63	Horizontal
2	7653.2700	40.93	-43.03	36.66	-60.70	-25.00	35.70	Horizontal
3	10204.3600	33.42	-39.48	38.30	-63.02	-25.00	38.02	Horizontal
4	12755.4500	28.92	-36.76	39.03	-64.08	-25.00	39.08	Horizontal
5	15306.5400	27.06	-34.35	40.66	-61.90	-25.00	36.90	Horizontal
6	17857.6300	30.63	-34.56	46.16	-53.03	-25.00	28.03	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5102.1800	49.43	-45.37	31.65	-59.55	-25.00	34.55	Vertical
2	7653.2700	45.13	-43.03	36.66	-56.50	-25.00	31.50	Vertical
3	10204.3600	36.08	-39.48	38.30	-60.36	-25.00	35.36	Vertical
4	12755.4500	29.65	-36.76	39.03	-63.35	-25.00	38.35	Vertical
5	15306.5400	27.65	-34.35	40.66	-61.31	-25.00	36.31	Vertical
6	17857.6300	30.65	-34.56	46.16	-53.01	-25.00	28.01	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

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-5.70	-0.002249	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-6.40	-0.002525	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-3.70	-0.001460	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-1.40	-0.000552	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	0.70	0.000276	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-0.10	-0.000039	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-0.50	-0.000197	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-4.10	-0.001617	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-12.20	-0.004813	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-7.60	-0.002998	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-8.10	-0.003195	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	1.70	0.000671	PASS

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