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Appendix B.6

LTE Band 7



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	21.88	23.12	33	PASS
Band7	5MHz	QPSK	20775	1RB#12	21.96	23.2	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	21.96	23.2	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.07	22.31	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	22	23.24	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	21.94	23.18	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	21.93	23.17	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.01	22.25	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	21.93	23.17	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	21.88	23.12	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	21.9	23.14	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	20.95	22.19	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.24	22.48	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.22	22.46	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.32	22.56	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.04	21.28	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.39	22.63	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.34	22.58	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.34	22.58	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.06	21.3	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.34	22.58	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.31	22.55	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.22	22.46	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	19.97	21.21	33	PASS
Band7	5MHz	64QAM	20775	1RB#0	20.16	21.4	33	PASS
Band7	5MHz	64QAM	20775	1RB#12	20.16	21.4	33	PASS
Band7	5MHz	64QAM	20775	1RB#24	20.26	21.5	33	PASS



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Band7	5MHz	64QAM	20775	25RB#0	19.1	20.34	33	PASS
Band7	5MHz	64QAM	21100	1RB#0	20.22	21.46	33	PASS
Band7	5MHz	64QAM	21100	1RB#12	20.16	21.4	33	PASS
Band7	5MHz	64QAM	21100	1RB#24	20.27	21.51	33	PASS
Band7	5MHz	64QAM	21100	25RB#0	19.02	20.26	33	PASS
Band7	5MHz	64QAM	21425	1RB#0	20.32	21.56	33	PASS
Band7	5MHz	64QAM	21425	1RB#12	20.21	21.45	33	PASS
Band7	5MHz	64QAM	21425	1RB#24	20.13	21.37	33	PASS
Band7	5MHz	64QAM	21425	25RB#0	19	20.24	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	21.94	23.18	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	21.88	23.12	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.02	23.26	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	20.94	22.18	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	21.96	23.2	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	21.87	23.11	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	21.86	23.1	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	20.97	22.21	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	21.89	23.13	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	21.78	23.02	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	21.95	23.19	33	PASS
Band7	10MHz	QPSK	21400	50RB#0	20.83	22.07	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.21	22.45	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.25	22.49	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.44	22.68	33	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.01	21.25	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.24	22.48	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.35	22.59	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.22	22.46	33	PASS
Band7	10MHz	16QAM	21100	50RB#0	19.92	21.16	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.28	22.52	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.24	22.48	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.27	22.51	33	PASS



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Band7	10MHz	64QAM	20800	1RB#0	20.24	21.48	33	PASS
Band7	10MHz	64QAM	20800	1RB#24	20.23	21.47	33	PASS
Band7	10MHz	64QAM	20800	1RB#49	20.29	21.53	33	PASS
Band7	10MHz	64QAM	20800	50RB#0	19.01	20.25	33	PASS
Band7	10MHz	64QAM	21100	1RB#0	20.17	21.41	33	PASS
Band7	10MHz	64QAM	21100	1RB#24	20.3	21.54	33	PASS
Band7	10MHz	64QAM	21100	1RB#49	20.12	21.36	33	PASS
Band7	10MHz	64QAM	21100	50RB#0	18.98	20.22	33	PASS
Band7	10MHz	64QAM	21400	1RB#0	20.06	21.3	33	PASS
Band7	10MHz	64QAM	21400	1RB#24	20.12	21.36	33	PASS
Band7	10MHz	64QAM	21400	1RB#49	20.18	21.42	33	PASS
Band7	10MHz	64QAM	21400	50RB#0	18.9	20.14	33	PASS
Band7	15MHz	QPSK	20825	1RB#0	21.86	23.1	33	PASS
Band7	15MHz	QPSK	20825	1RB#38	21.96	23.2	33	PASS
Band7	15MHz	QPSK	20825	1RB#74	21.95	23.19	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	21	22.24	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	21.92	23.16	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	21.86	23.1	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	21.71	22.95	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.01	22.25	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	21.86	23.1	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	21.86	23.1	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	21.8	23.04	33	PASS
Band7	15MHz	QPSK	21375	75RB#0	20.89	22.13	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.24	22.48	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.37	22.61	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.34	22.58	33	PASS
Band7	15MHz	16QAM	20825	75RB#0	20	21.24	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.21	22.45	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.24	22.48	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.17	22.41	33	PASS



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Band7	15MHz	16QAM	21375	1RB#0	21.19	22.43	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.22	22.46	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.11	22.35	33	PASS
Band7	15MHz	16QAM	21375	75RB#0	19.86	21.1	33	PASS
Band7	15MHz	64QAM	20825	1RB#0	20.11	21.35	33	PASS
Band7	15MHz	64QAM	20825	1RB#38	20.18	21.42	33	PASS
Band7	15MHz	64QAM	20825	1RB#74	20.23	21.47	33	PASS
Band7	15MHz	64QAM	20825	75RB#0	19.09	20.33	33	PASS
Band7	15MHz	64QAM	21100	1RB#0	20.11	21.35	33	PASS
Band7	15MHz	64QAM	21100	1RB#38	20.15	21.39	33	PASS
Band7	15MHz	64QAM	21100	1RB#74	20.07	21.31	33	PASS
Band7	15MHz	64QAM	21100	75RB#0	19.01	20.25	33	PASS
Band7	15MHz	64QAM	21375	1RB#0	20.07	21.31	33	PASS
Band7	15MHz	64QAM	21375	1RB#38	19.96	21.2	33	PASS
Band7	15MHz	64QAM	21375	1RB#74	20.13	21.37	33	PASS
Band7	15MHz	64QAM	21375	75RB#0	18.9	20.14	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	21.91	23.15	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	22	23.24	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	22	23.24	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	20.99	22.23	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	21.93	23.17	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	21.86	23.1	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	21.77	23.01	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	20.92	22.16	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	21.9	23.14	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	21.83	23.07	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	21.8	23.04	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	20.79	22.03	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.17	22.41	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.19	22.43	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.37	22.61	33	PASS



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Band7	20MHz	16QAM	21100	1RB#0	21.32	22.56	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.27	22.51	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.16	22.4	33	PASS
Band7	20MHz	16QAM	21100	100RB#0	19.99	21.23	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.18	22.42	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.16	22.4	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.24	22.48	33	PASS
Band7	20MHz	16QAM	21350	100RB#0	19.89	21.13	33	PASS
Band7	20MHz	64QAM	20850	1RB#0	20	21.24	33	PASS
Band7	20MHz	64QAM	20850	1RB#49	20.16	21.4	33	PASS
Band7	20MHz	64QAM	20850	1RB#99	20.31	21.55	33	PASS
Band7	20MHz	64QAM	20850	100RB#0	18.99	20.23	33	PASS
Band7	20MHz	64QAM	21100	1RB#0	20.23	21.47	33	PASS
Band7	20MHz	64QAM	21100	1RB#49	20.19	21.43	33	PASS
Band7	20MHz	64QAM	21100	1RB#99	19.99	21.23	33	PASS
Band7	20MHz	64QAM	21100	100RB#0	18.97	20.21	33	PASS
Band7	20MHz	64QAM	21350	1RB#0	19.87	21.11	33	PASS
Band7	20MHz	64QAM	21350	1RB#49	20.15	21.39	33	PASS
Band7	20MHz	64QAM	21350	1RB#99	20.08	21.32	33	PASS
Band7	20MHz	64QAM	21350	100RB#0	18.86	20.1	33	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	5.36	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.28	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.32	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.06	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.10	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.06	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.64	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.62	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.62	13	PASS



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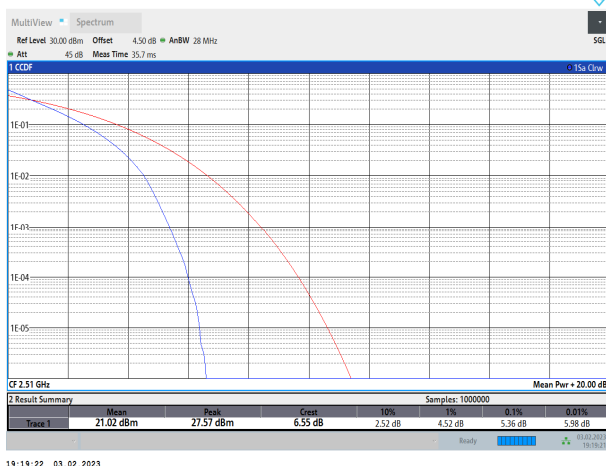
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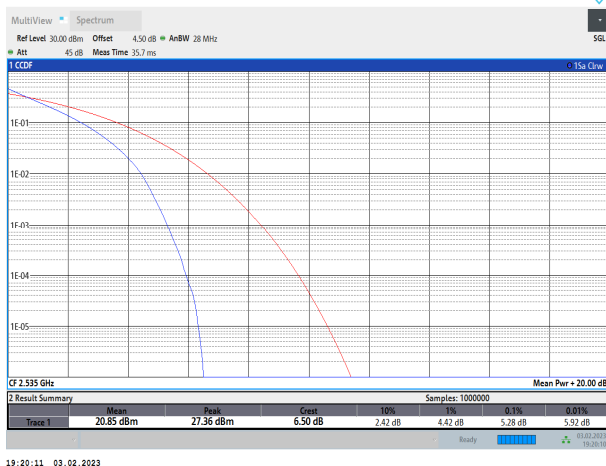
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Test Graphs

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



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



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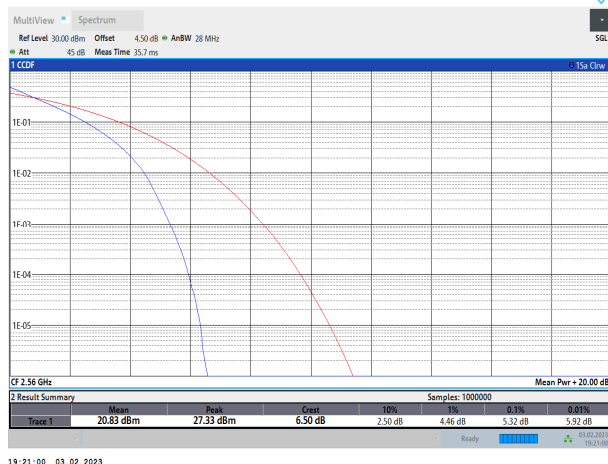
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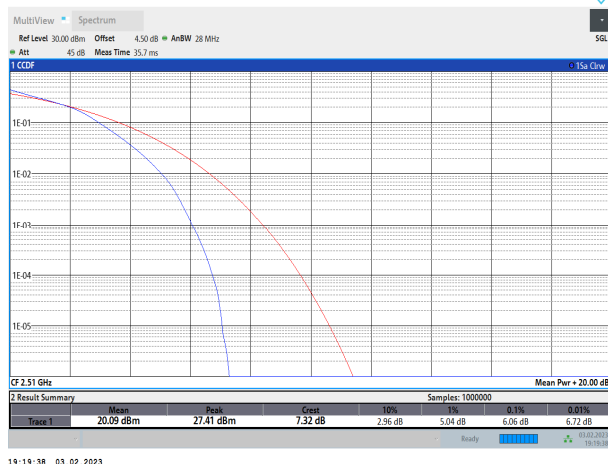
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Band7-20MHz-QPSK-21350-100RB#0



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



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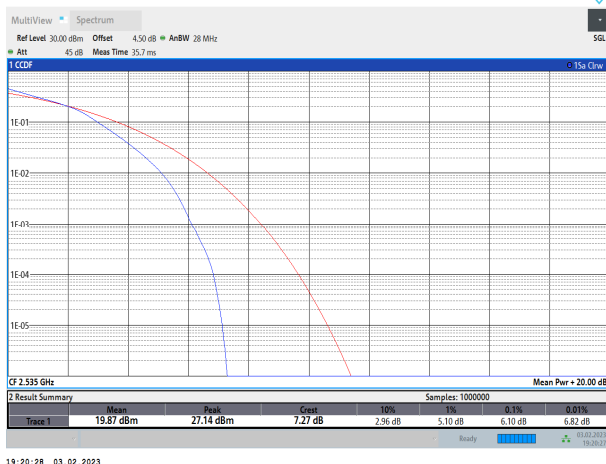
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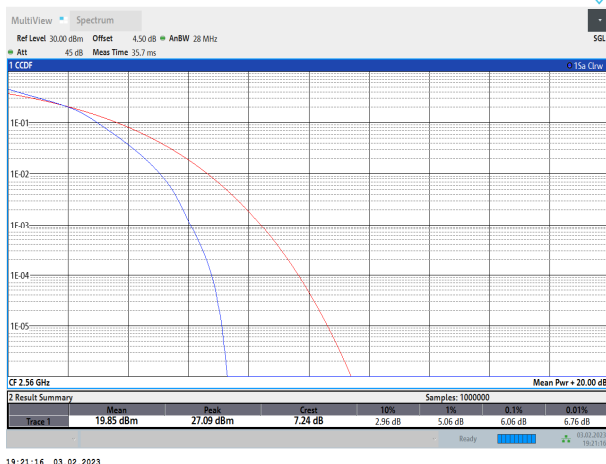
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Band7-20MHz-16QAM-21100-100RB#0



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



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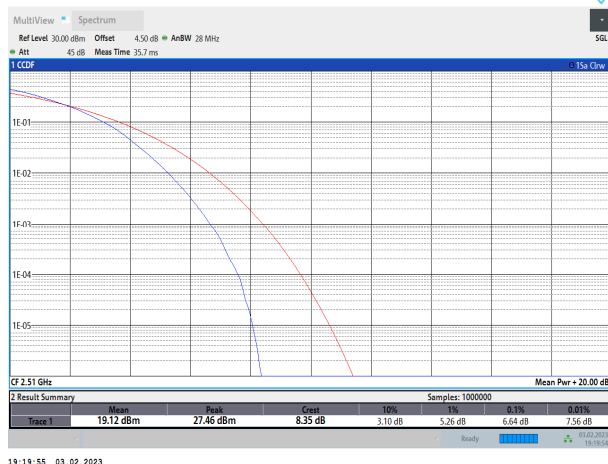
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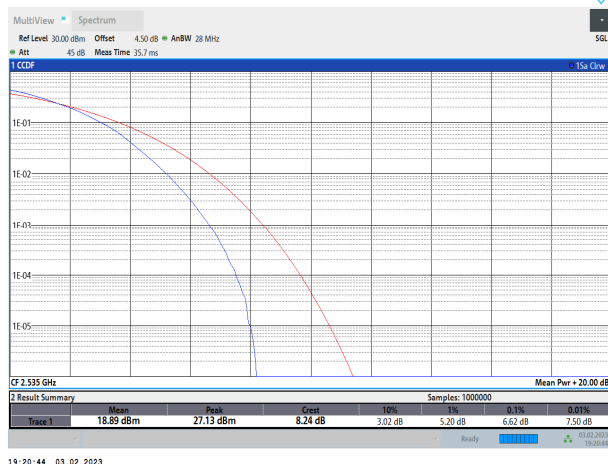
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Band7-20MHz-64QAM-20850-100RB#0



19:19:55 03.02.2023

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



19:20:44 03.02.2023



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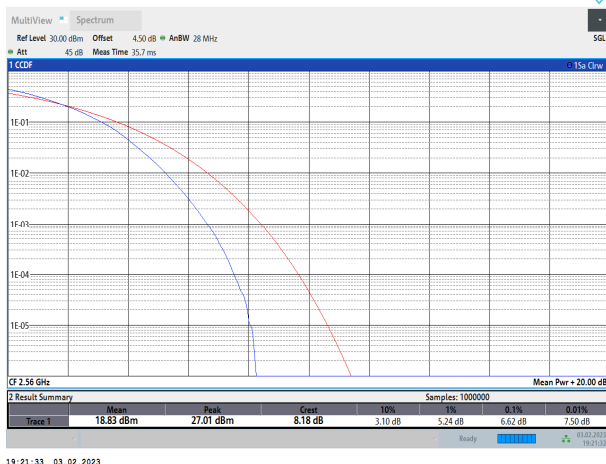
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Band7-20MHz-64QAM-21350-100RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.468	4.89	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.469	4.88	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.471	4.89	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.468	4.90	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.462	4.90	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.463	4.92	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.473	4.89	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.479	4.91	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.473	4.90	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.934	9.62	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.926	9.60	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.927	9.64	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.917	9.62	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.908	9.62	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9	9.56	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.929	9.66	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.923	9.62	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.919	9.66	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.457	14.73	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.461	14.79	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.45	14.73	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.462	14.76	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.437	14.70	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.44	14.76	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.468	14.79	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.435	14.79	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.428	14.76	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.912	19.52	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.892	19.60	PASS



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Band7	20MHz	QPSK	21350	100RB#0	17.896	19.32	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.891	19.44	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.861	19.44	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.881	19.40	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.886	19.44	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.874	19.44	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.869	19.48	PASS



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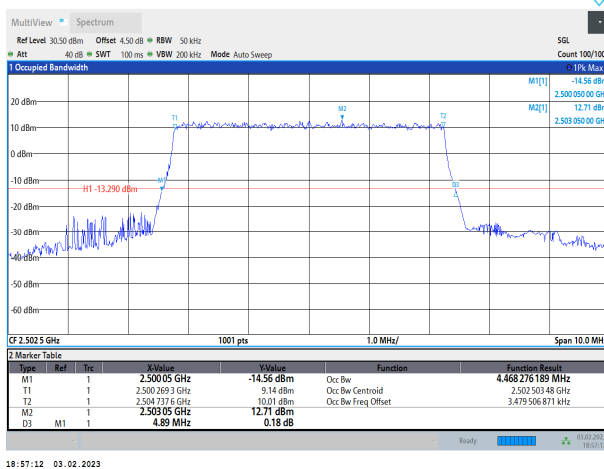
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Test Graphs

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



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

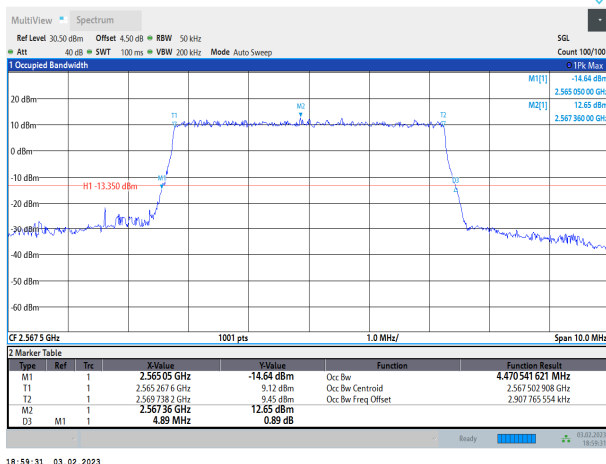


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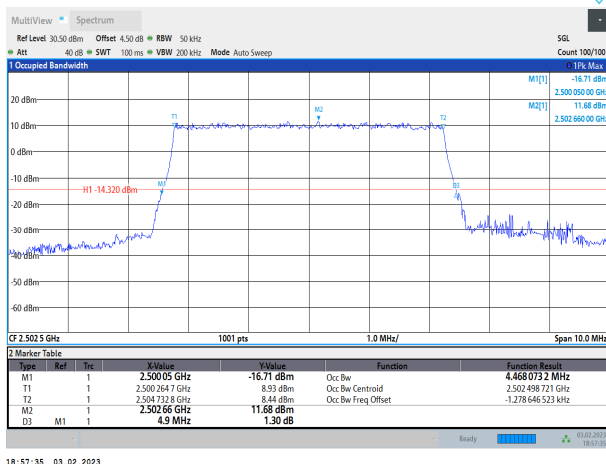
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Band7-5MHz-QPSK-21425-25RB#0



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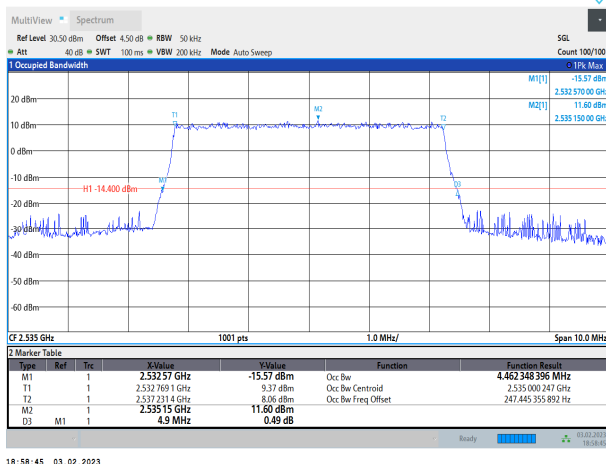
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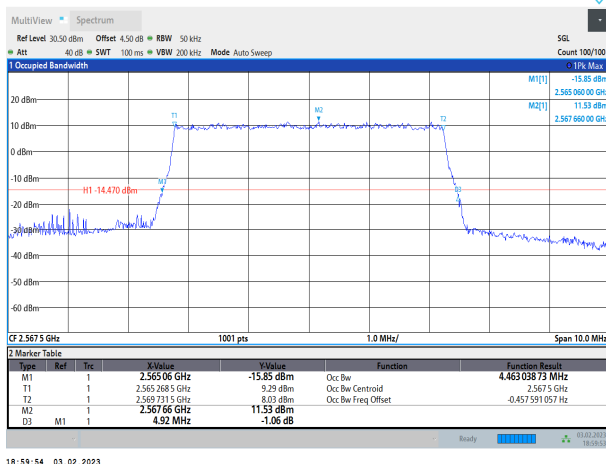
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Band7-5MHz-16QAM-21425-25RB#0



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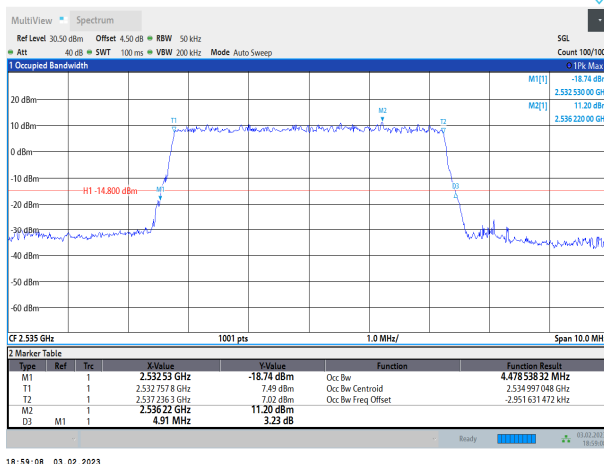
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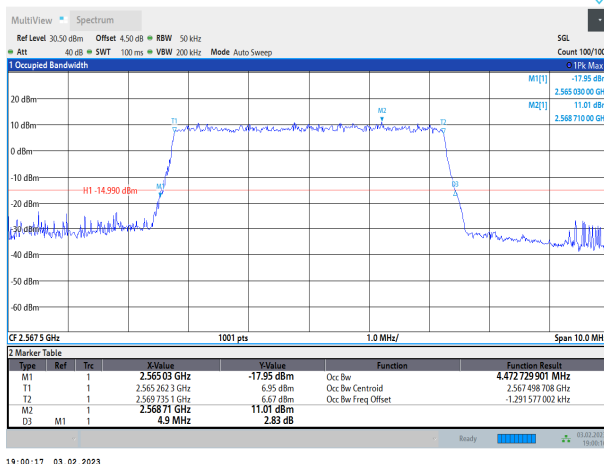
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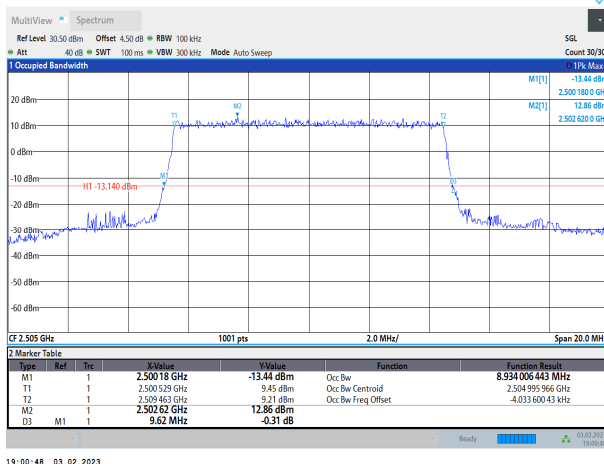
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Band7-5MHz-64QAM-21425-25RB#0



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



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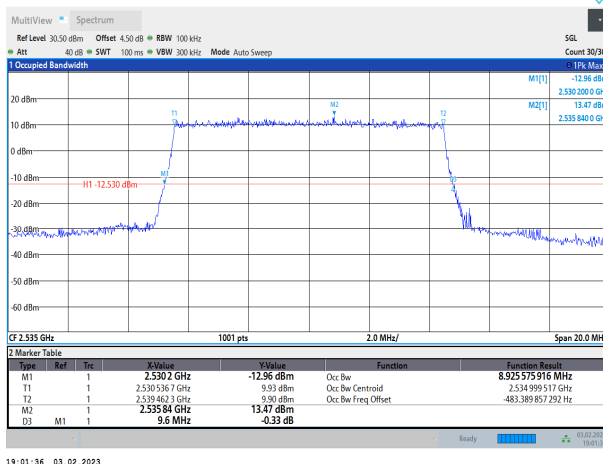
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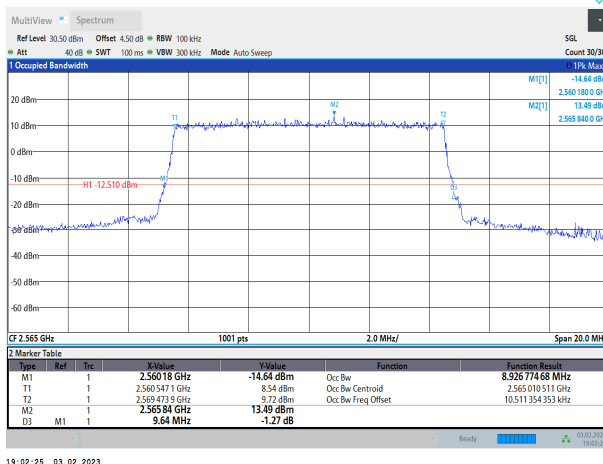
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Band7-10MHz-QPSK-21100-50RB#0



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



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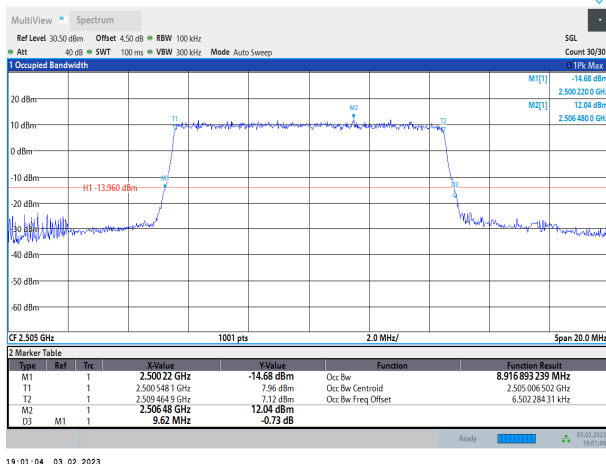
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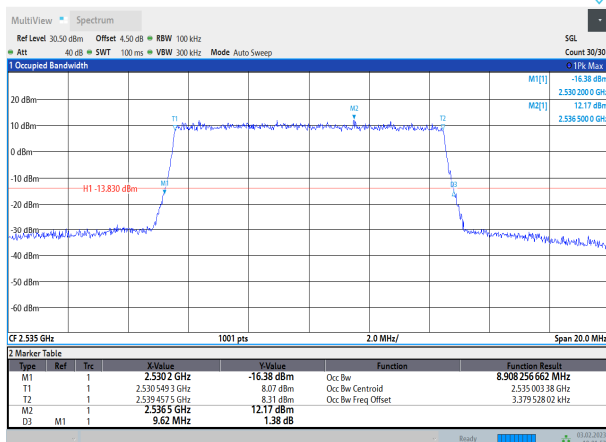
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Band7-10MHz-16QAM-20800-50RB#0



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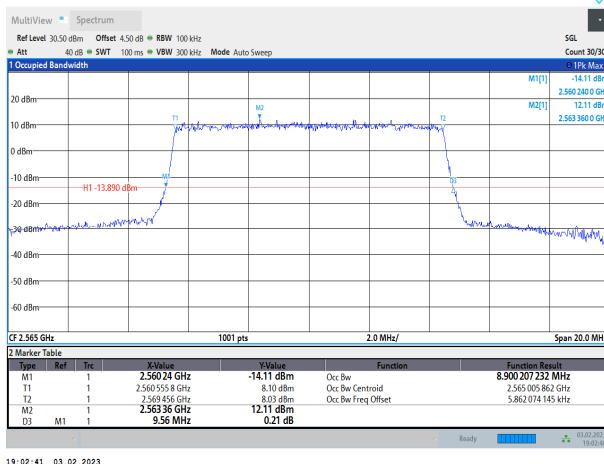
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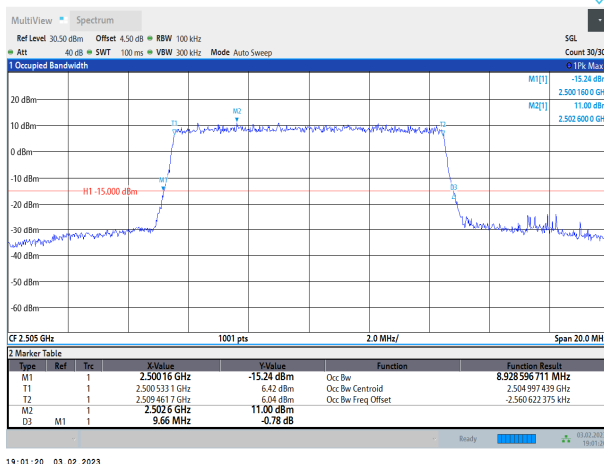
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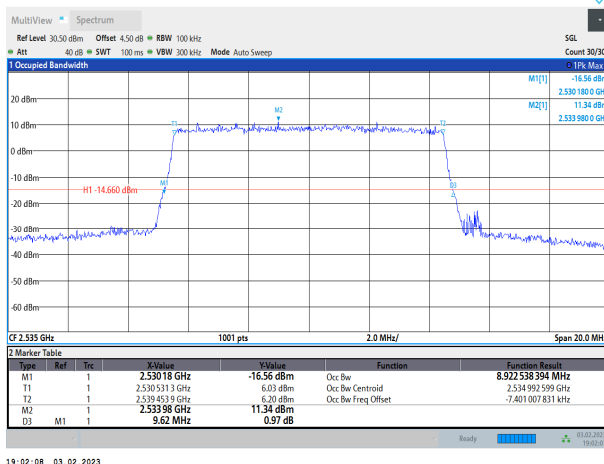
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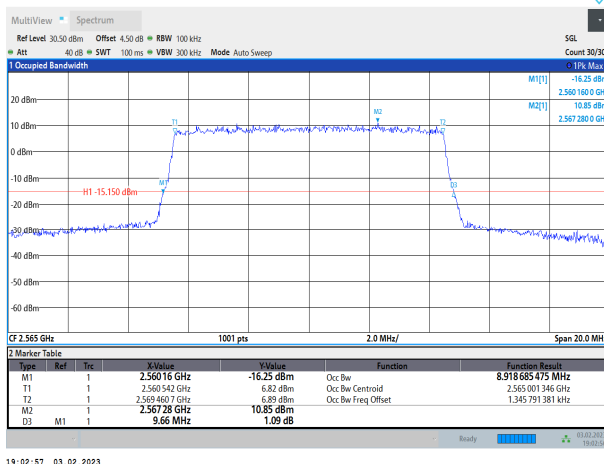
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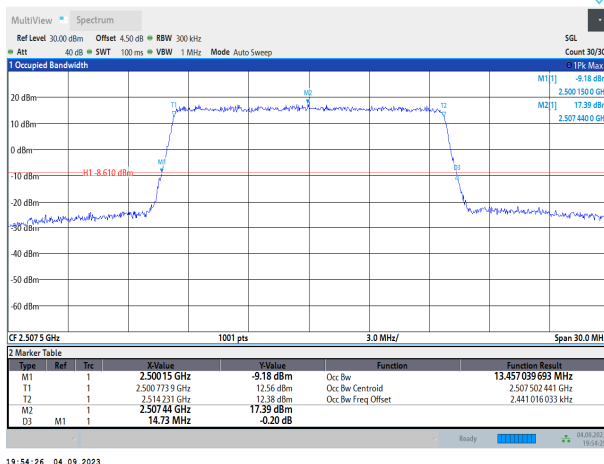
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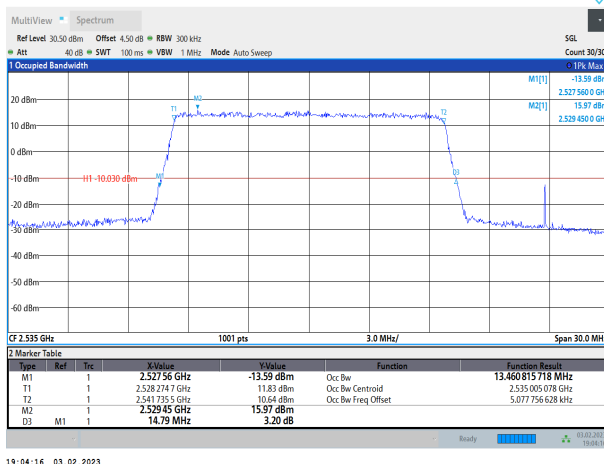
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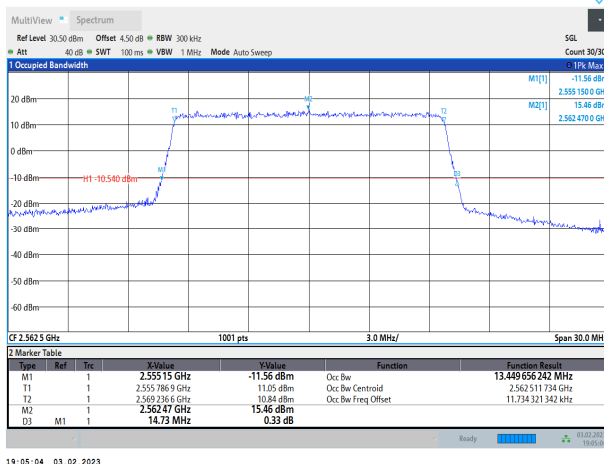
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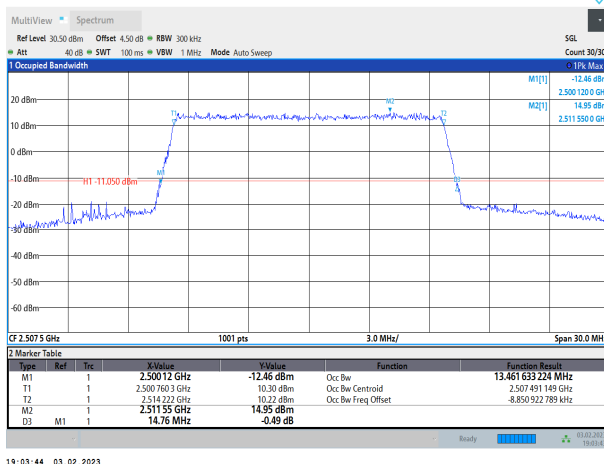
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Band7-15MHz-16QAM-20825-75RB#0

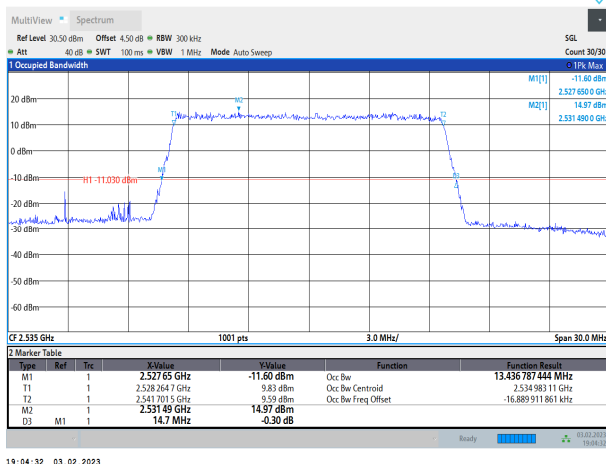


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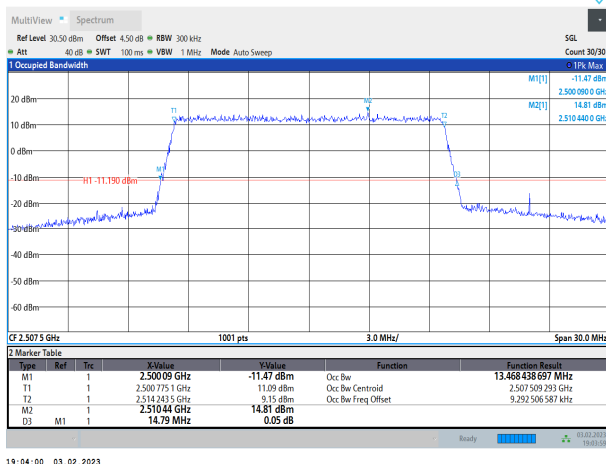
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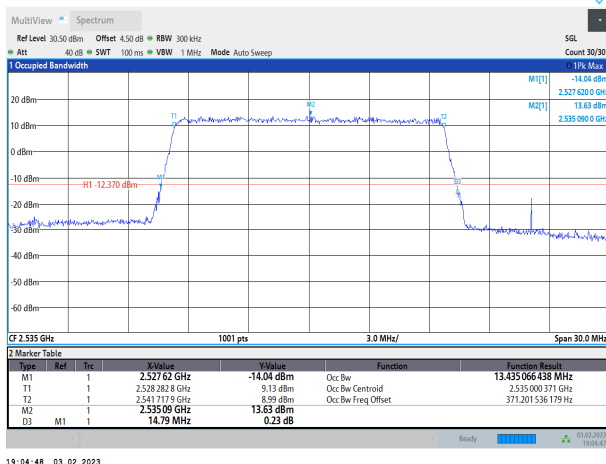
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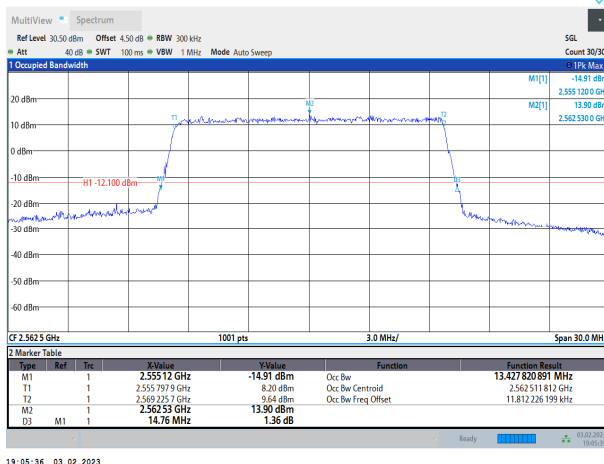
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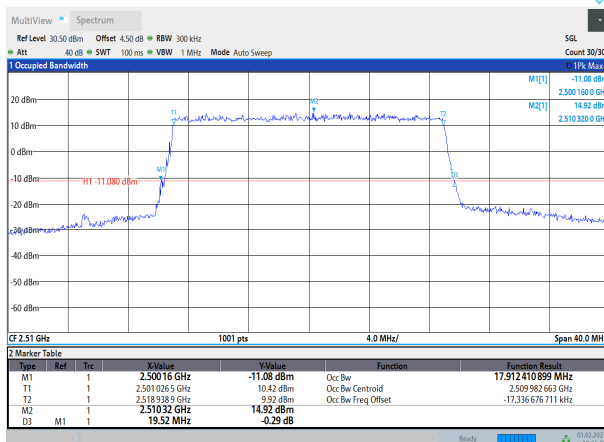
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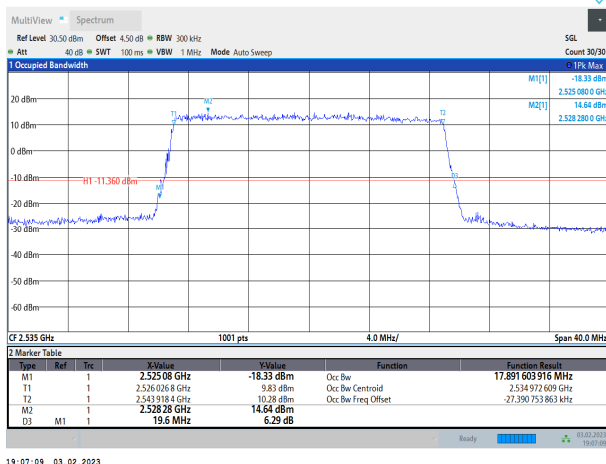
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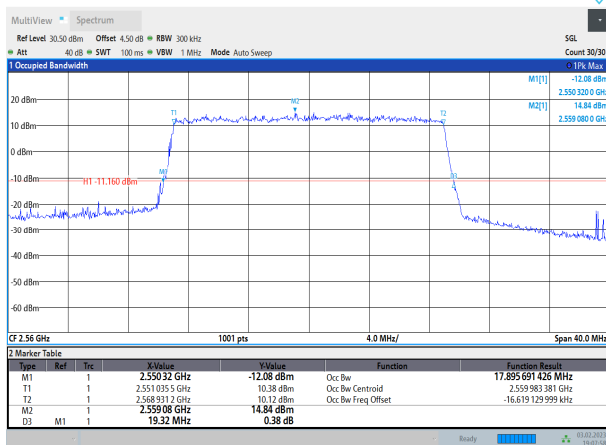
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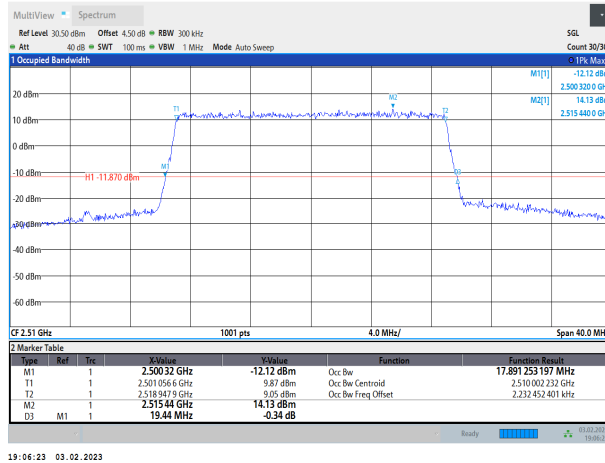
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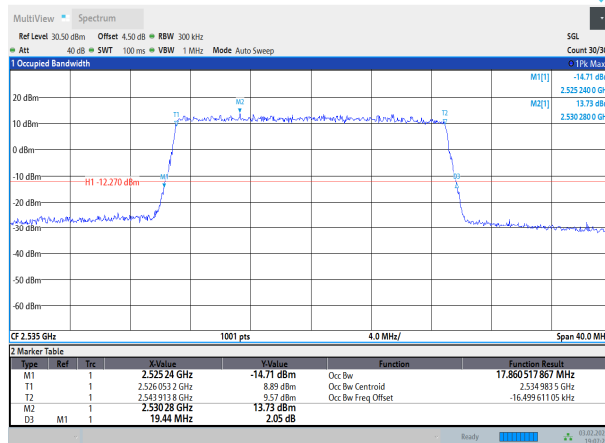
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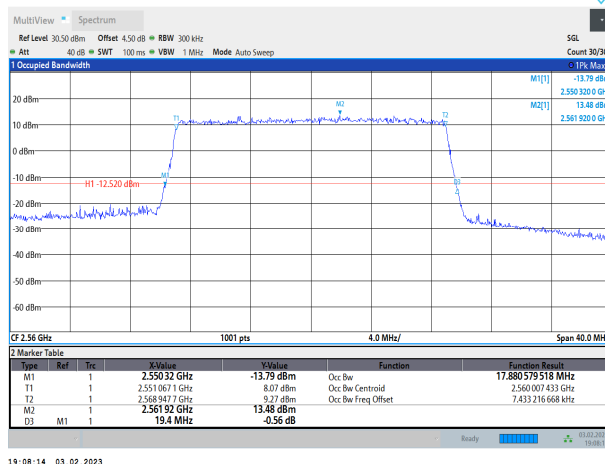
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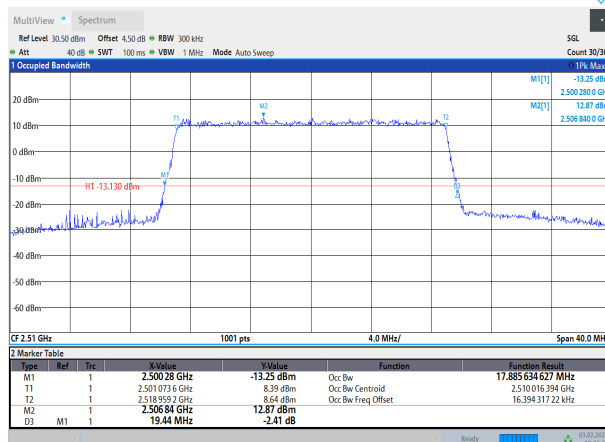
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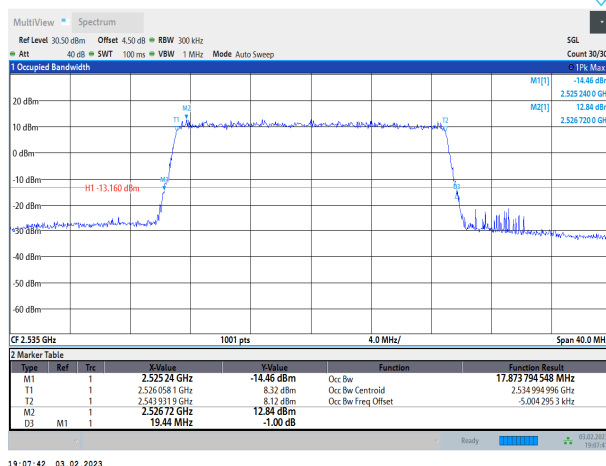
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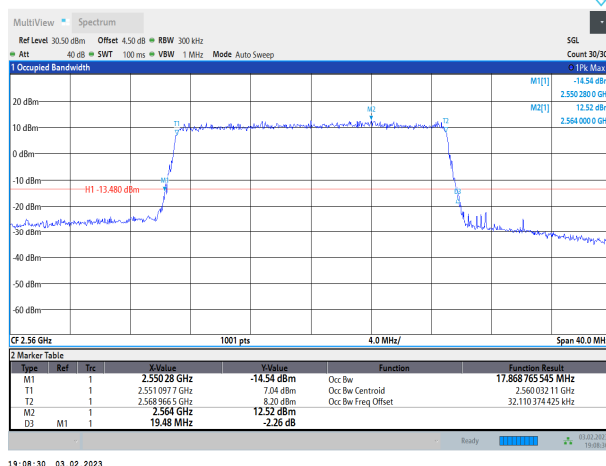


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Band7-20MHz-64QAM-21350-100RB#0



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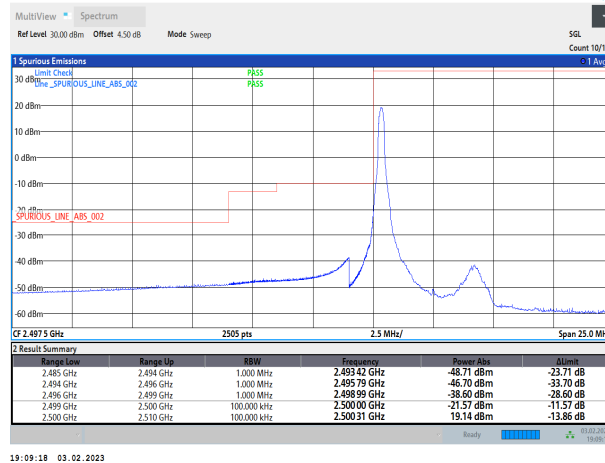
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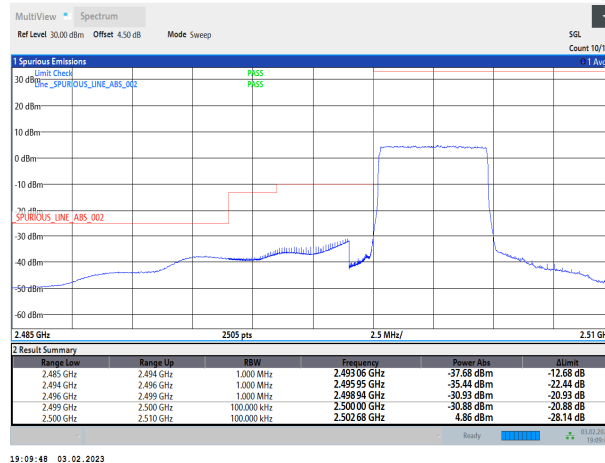
Band Edge

Test Graphs

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



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



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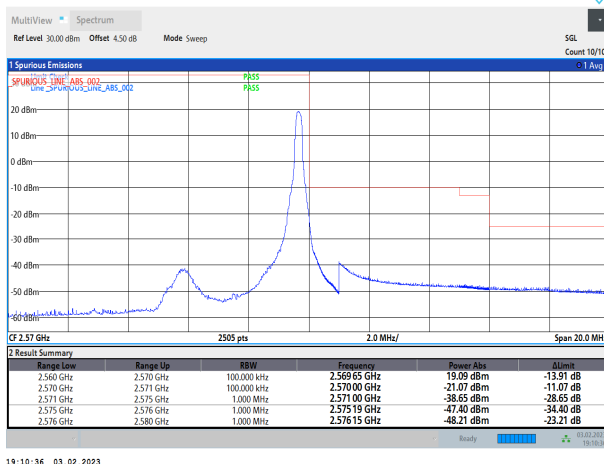
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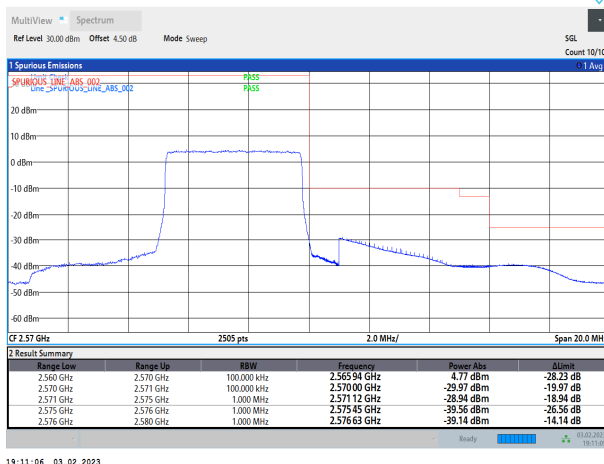
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Band7-5MHz-QPSK-21425-25RB#0

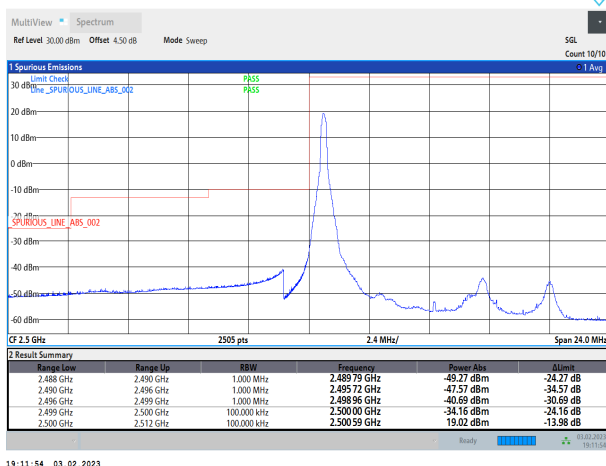


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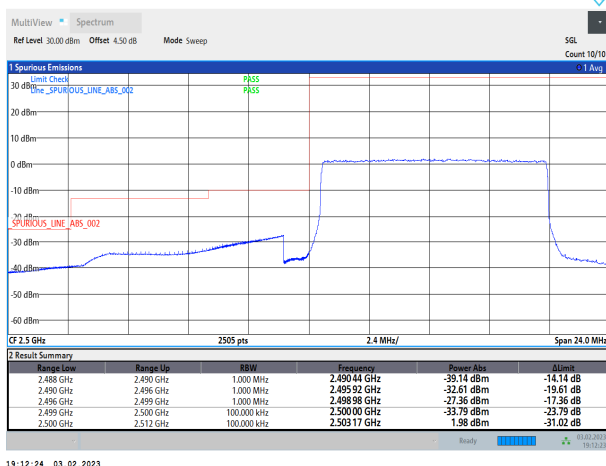
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Band7-10MHz-QPSK-20800-1RB#0



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



19:12:24 03.02.2023



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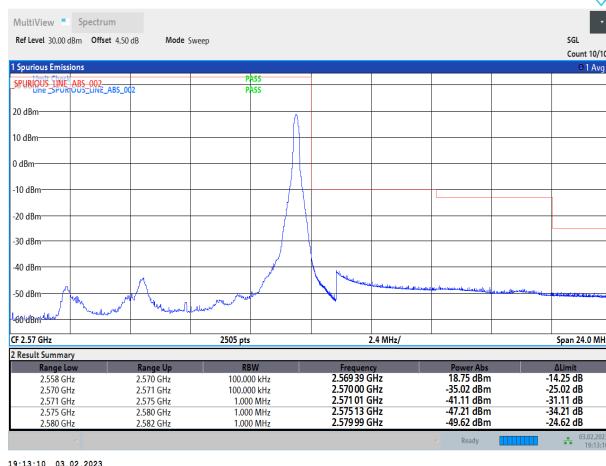
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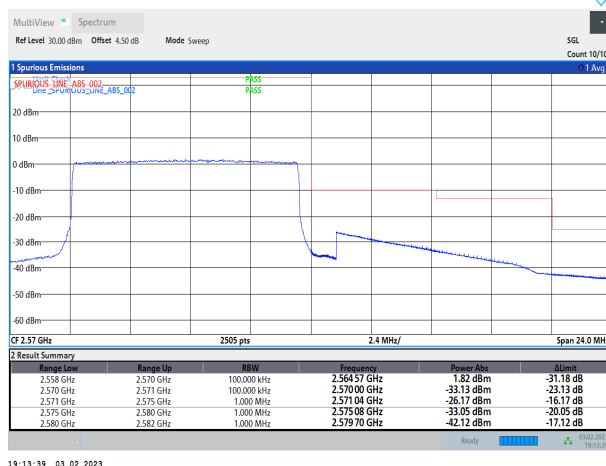
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Band7-10MHz-QPSK-21400-1RB#49



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

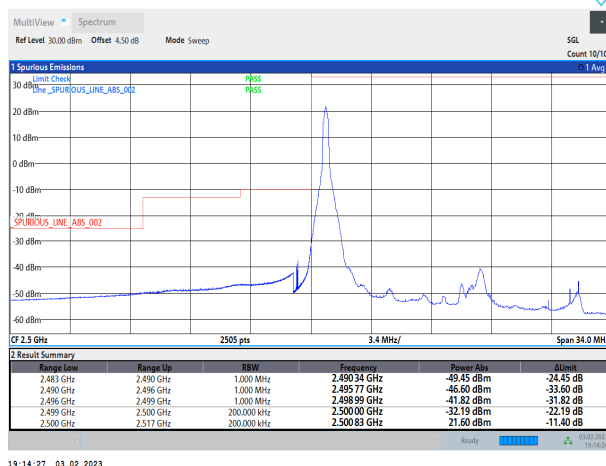


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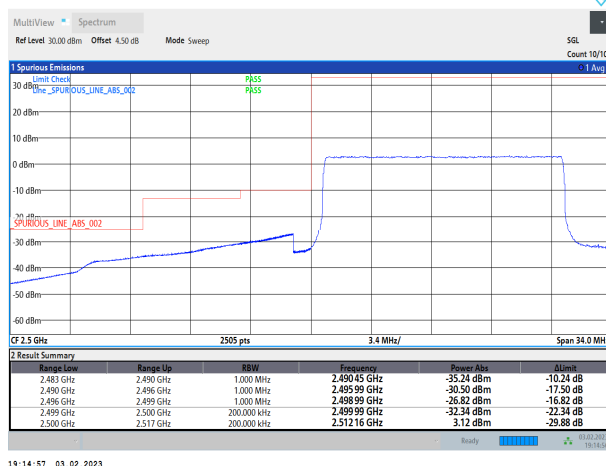
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Band7-15MHz-QPSK-20825-1RB#0



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

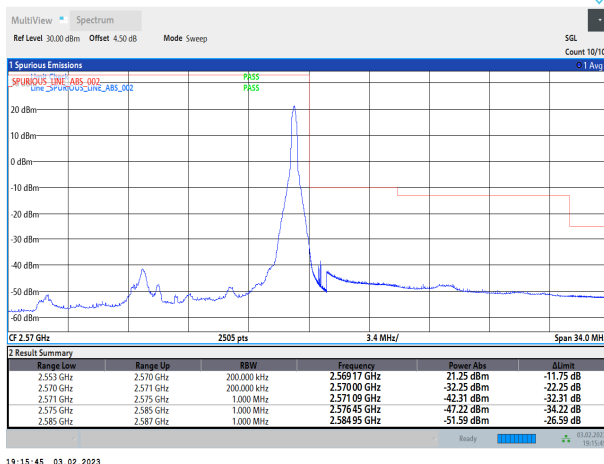


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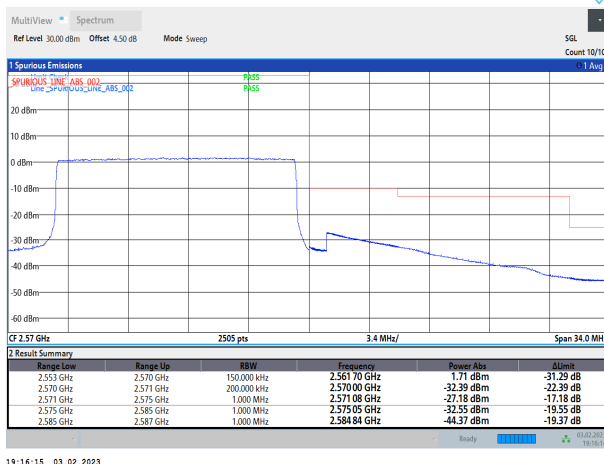
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Band7-15MHz-QPSK-21375-1RB#74



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

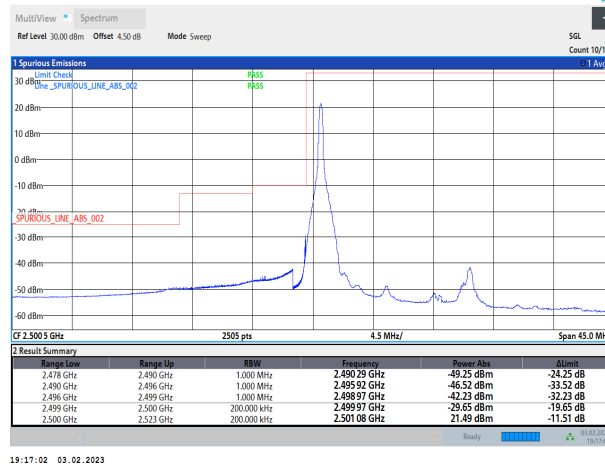


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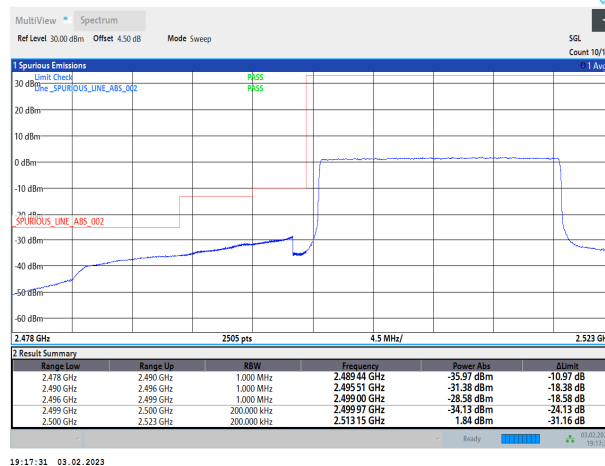
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Band7-20MHz-QPSK-20850-1RB#0



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

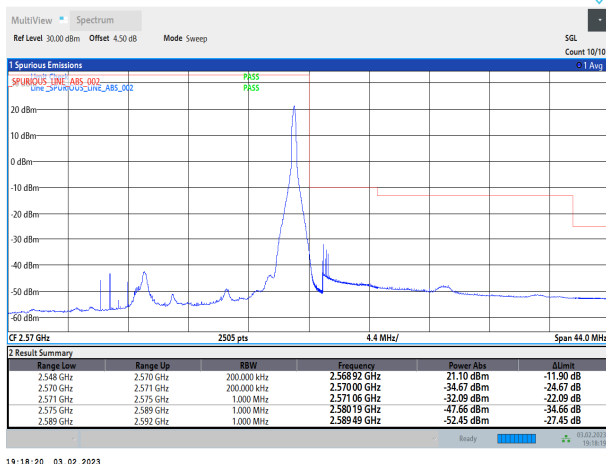


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Band7-20MHz-QPSK-21350-1RB#99



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



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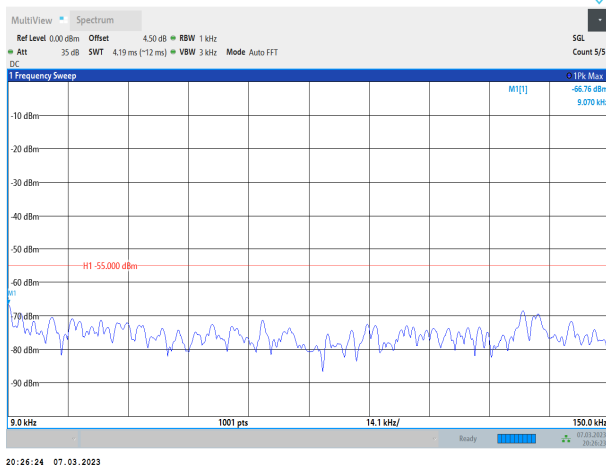
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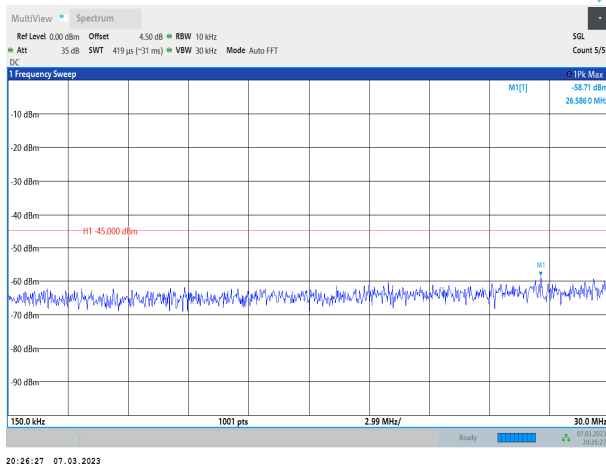
Conducted Spurious Emission

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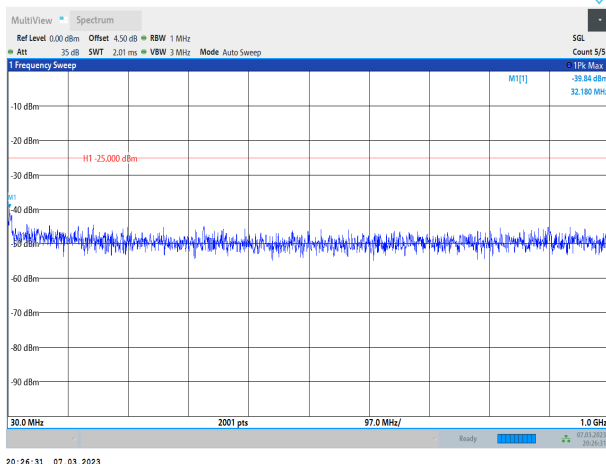
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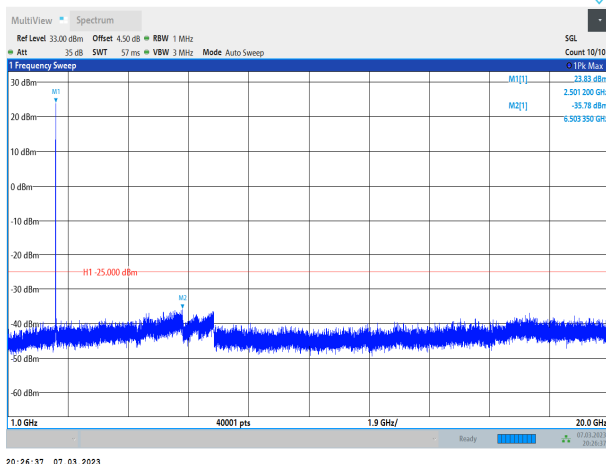
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Band7-20MHz-QPSK-20850-1RB#0-Range3:30~1000MHz



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

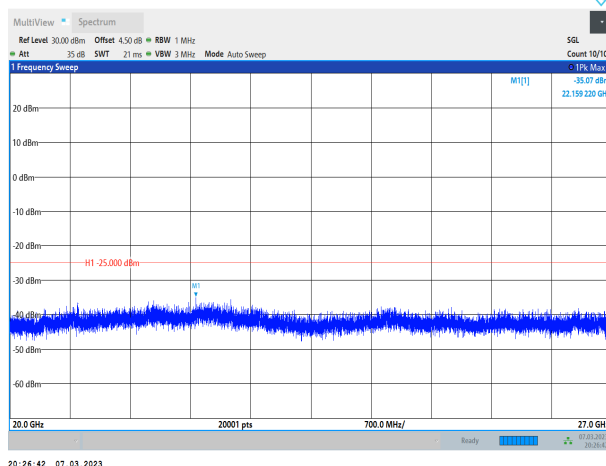


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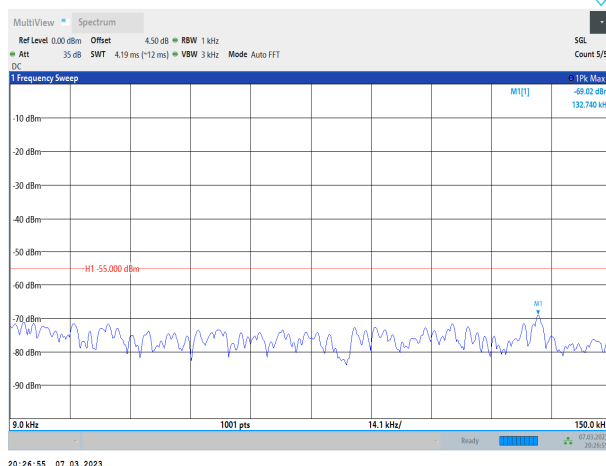
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Band7-20MHz-QPSK-20850-1RB#0-Range5:20000~27000MHz



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



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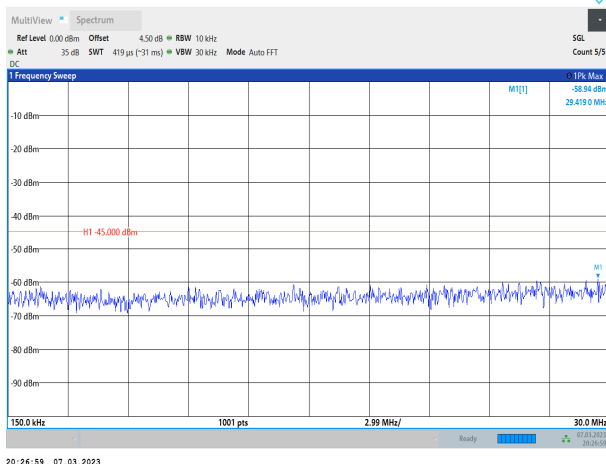
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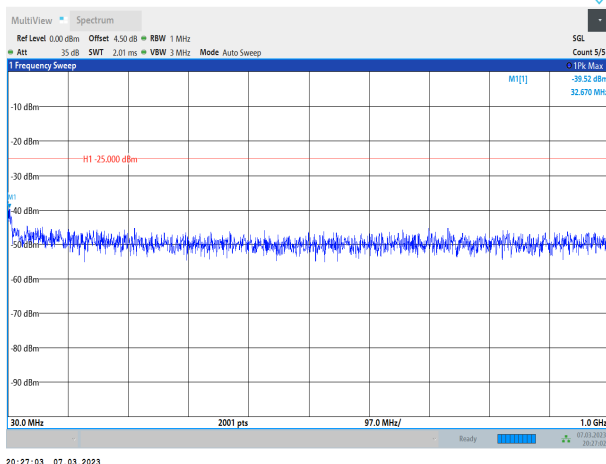
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Band7-20MHz-QPSK-21100-1RB#0-Range2:0.15~30MHz



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



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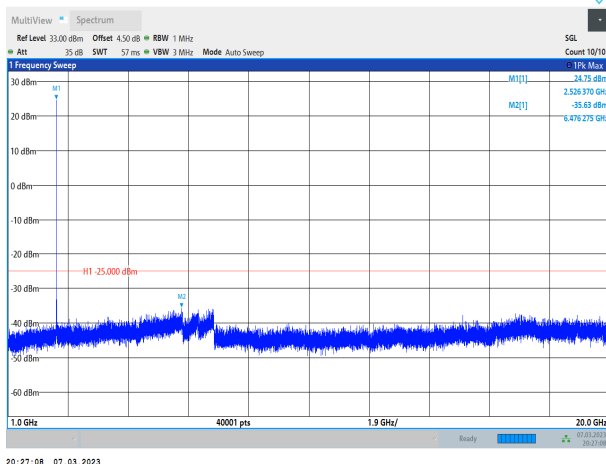
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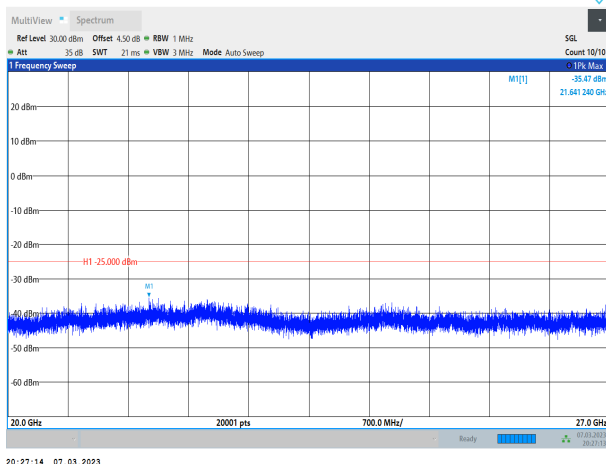
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Band7-20MHz-QPSK-21100-1RB#0-Range4:1000~20000MHz



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



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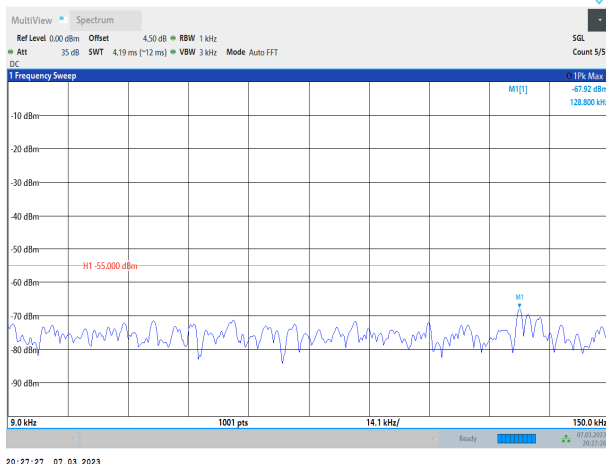
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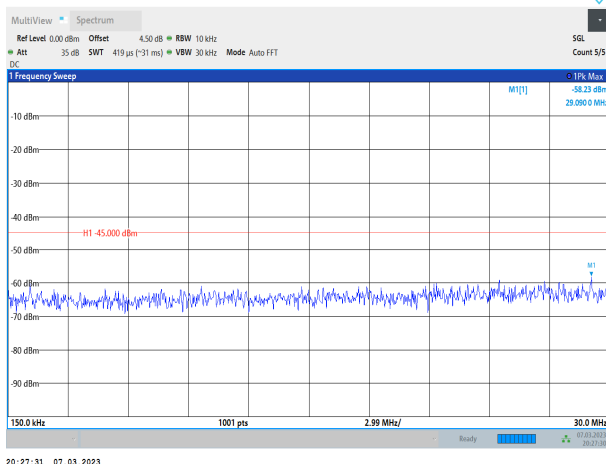
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Band7-20MHz-QPSK-21350-1RB#0-Range1:0.009~0.15MHz



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



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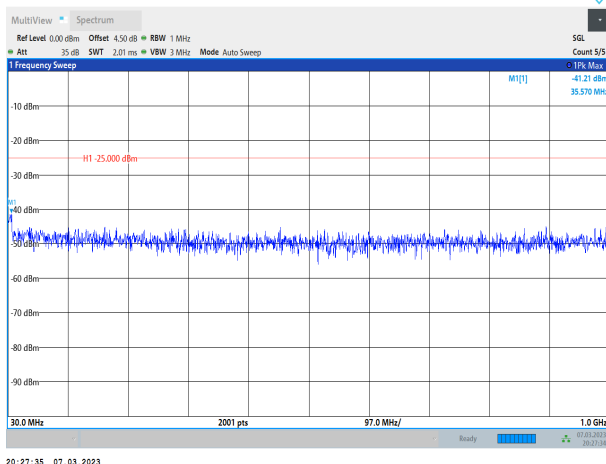
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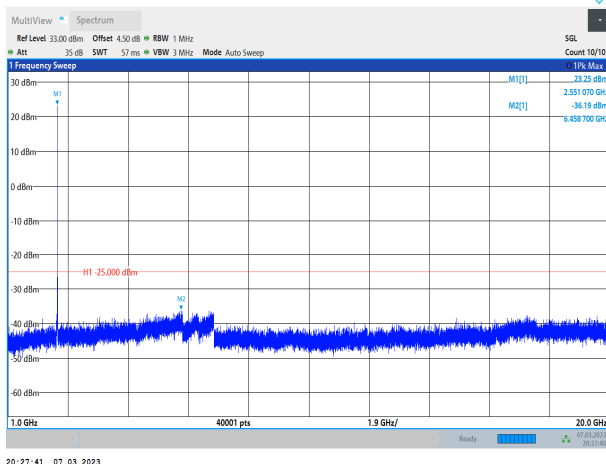
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Band7-20MHz-QPSK-21350-1RB#0-Range4:1000~20000MHz



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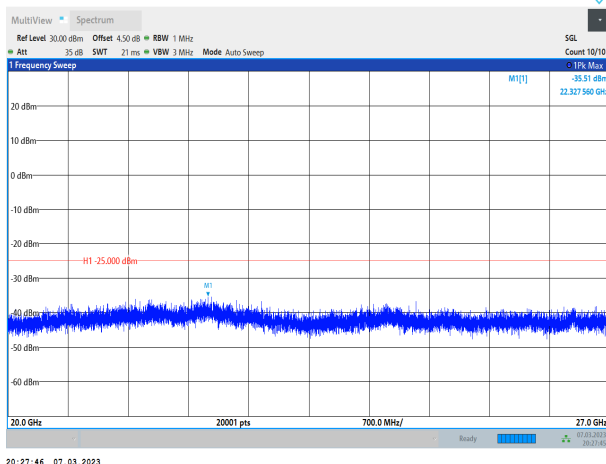


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Band7-20MHz-QPSK-21350-1RB#0-Range5:20000~27000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band 7_ TM1

Test Channel = Low Channel

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.18	40.03	-44.92	32.60	-67.55	-25.00	42.55	274	161	Horizontal
2	7503.27	38.93	-41.59	36.51	-61.41	-25.00	36.41	141	307	Horizontal
3	10004.36	33.92	-37.13	38.50	-59.97	-25.00	34.97	236	81	Horizontal
4	12505.45	31.46	-35.23	39.11	-59.92	-25.00	34.92	293	359	Horizontal
5	15006.54	31.63	-34.00	39.19	-58.44	-25.00	33.44	185	223	Horizontal
6	17507.63	30.06	-31.88	40.63	-56.45	-25.00	31.45	162	161	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	5002.18	40.49	-44.92	32.60	-67.09	-25.00	42.09	255	161	Vertical
2	7503.27	39.02	-41.59	36.51	-61.32	-25.00	36.32	296	308	Vertical
3	10004.36	35.04	-37.13	38.50	-58.85	-25.00	33.85	223	224	Vertical
4	12505.45	32.07	-35.23	39.11	-59.31	-25.00	34.31	169	359	Vertical
5	15006.54	32.04	-34.00	39.19	-58.03	-25.00	33.03	305	161	Vertical
6	17507.63	29.52	-31.88	40.63	-56.99	-25.00	31.99	162	267	Vertical



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Test Band = LTE Band 7_ TM1
Test Channel = Mid Channel
Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5052.18	40.94	-44.60	32.60	-66.32	-25.00	41.32	241	60	Horizontal
2	7578.27	38.70	-41.33	36.66	-61.24	-25.00	36.24	298	360	Horizontal
3	10104.36	34.10	-36.80	38.61	-59.34	-25.00	34.34	169	360	Horizontal
4	12630.45	30.95	-34.72	39.23	-59.80	-25.00	34.80	274	205	Horizontal
5	15156.54	31.26	-33.29	39.00	-58.29	-25.00	33.29	164	60	Horizontal
6	17682.63	31.32	-31.11	41.33	-53.72	-25.00	28.72	223	248	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	5052.18	41.79	-44.60	32.60	-65.47	-25.00	40.47	241	224	Vertical
2	7578.27	38.09	-41.33	36.66	-61.85	-25.00	36.85	266	101	Vertical
3	10104.36	35.57	-36.80	38.61	-57.87	-25.00	32.87	195	360	Vertical
4	12630.45	32.01	-34.72	39.23	-58.74	-25.00	33.74	187	308	Vertical
5	15156.54	31.08	-33.29	39.00	-58.47	-25.00	33.47	168	308	Vertical
6	17682.63	31.64	-31.11	41.33	-53.40	-25.00	28.40	221	101	Vertical



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Test Band = LTE Band 7_ TM1**Test Channel = High Channel****Final Data List**

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5102.18	41.92	-44.29	32.60	-65.03	-25.00	40.03	214	308	Horizontal
2	7653.27	37.82	-41.30	36.81	-61.93	-25.00	36.93	228	104	Horizontal
3	10204.36	35.71	-36.56	38.72	-57.39	-25.00	32.39	293	104	Horizontal
4	12755.45	33.06	-35.10	39.36	-57.95	-25.00	32.95	186	356	Horizontal
5	15306.54	30.52	-33.87	38.80	-59.81	-25.00	34.81	162	3	Horizontal
6	17857.63	30.79	-30.96	42.03	-53.39	-25.00	28.39	221	82	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	5052.5	41.35	-44.60	32.60	-65.91	-25.00	40.91	296	38	Vertical
2	5102.18	40.75	-44.29	32.60	-66.20	-25.00	41.20	305	199	Vertical
3	7653.27	37.75	-41.30	36.81	-62.00	-25.00	37.00	247	264	Vertical
4	10204.36	36.02	-36.56	38.72	-57.08	-25.00	32.08	163	19	Vertical
5	12755.45	33.73	-35.10	39.36	-57.28	-25.00	32.28	187	179	Vertical
6	15306.54	30.17	-33.87	38.80	-60.16	-25.00	35.16	216	179	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) - Preamp (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	-0.30	-0.000118	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-9.10	-0.003590	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	3.50	0.001381	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-4.60	-0.001815	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	0.10	0.000039	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-0.40	-0.000158	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-2.50	-0.000986	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-9.70	-0.003826	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-10.10	-0.003984	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	0.10	0.000039	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-8.60	-0.003393	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	5.70	0.002249	PASS

---End of Attachment---



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