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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	21.36	22.6	33	PASS
Band7	5MHz	QPSK	20775	1RB#12	21.42	22.66	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	21.49	22.73	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	20.48	21.72	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.59	23.83	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.75	23.99	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.71	23.95	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.75	22.99	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.26	23.5	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.07	23.31	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	21.99	23.23	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.2	22.44	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	20.75	21.99	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	20.77	22.01	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	20.76	22	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	19.55	20.79	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.99	23.23	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.96	23.2	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.03	23.27	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.8	22.04	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.61	22.85	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.44	22.68	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.34	22.58	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.18	21.42	33	PASS
Band7	5MHz	64QAM	20775	1RB#0	19.73	20.97	33	PASS
Band7	5MHz	64QAM	20775	1RB#12	19.7	20.94	33	PASS
Band7	5MHz	64QAM	20775	1RB#24	19.71	20.95	33	PASS



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Band7	5MHz	64QAM	20775	25RB#0	18.55	19.79	33	PASS
Band7	5MHz	64QAM	21100	1RB#0	20.83	22.07	33	PASS
Band7	5MHz	64QAM	21100	1RB#12	20.79	22.03	33	PASS
Band7	5MHz	64QAM	21100	1RB#24	20.97	22.21	33	PASS
Band7	5MHz	64QAM	21100	25RB#0	19.78	21.02	33	PASS
Band7	5MHz	64QAM	21425	1RB#0	20.54	21.78	33	PASS
Band7	5MHz	64QAM	21425	1RB#12	20.36	21.6	33	PASS
Band7	5MHz	64QAM	21425	1RB#24	20.32	21.56	33	PASS
Band7	5MHz	64QAM	21425	25RB#0	19.25	20.49	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	21.38	22.62	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	21.41	22.65	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	21.71	22.95	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	20.59	21.83	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.65	23.89	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.63	23.87	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.61	23.85	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.76	23	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.32	23.56	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.18	23.42	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	22	23.24	33	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.21	22.45	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	20.87	22.11	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	20.77	22.01	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.01	22.25	33	PASS
Band7	10MHz	16QAM	20800	50RB#0	19.62	20.86	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.93	23.17	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.97	23.21	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.12	23.36	33	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.69	21.93	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.61	22.85	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.49	22.73	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.26	22.5	33	PASS



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Band7	10MHz	16QAM	21400	50RB#0	20.14	21.38	33	PASS
Band7	10MHz	64QAM	20800	1RB#0	19.68	20.92	33	PASS
Band7	10MHz	64QAM	20800	1RB#24	19.76	21	33	PASS
Band7	10MHz	64QAM	20800	1RB#49	19.92	21.16	33	PASS
Band7	10MHz	64QAM	20800	50RB#0	18.59	19.83	33	PASS
Band7	10MHz	64QAM	21100	1RB#0	20.81	22.05	33	PASS
Band7	10MHz	64QAM	21100	1RB#24	20.94	22.18	33	PASS
Band7	10MHz	64QAM	21100	1RB#49	20.96	22.2	33	PASS
Band7	10MHz	64QAM	21100	50RB#0	19.73	20.97	33	PASS
Band7	10MHz	64QAM	21400	1RB#0	20.61	21.85	33	PASS
Band7	10MHz	64QAM	21400	1RB#24	20.4	21.64	33	PASS
Band7	10MHz	64QAM	21400	1RB#49	20.3	21.54	33	PASS
Band7	10MHz	64QAM	21400	50RB#0	19.12	20.36	33	PASS
Band7	15MHz	QPSK	20825	1RB#0	21.37	22.61	33	PASS
Band7	15MHz	QPSK	20825	1RB#38	21.56	22.8	33	PASS
Band7	15MHz	QPSK	20825	1RB#74	21.82	23.06	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	20.61	21.85	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.33	23.57	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.47	23.71	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.51	23.75	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.66	22.9	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.4	23.64	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.22	23.46	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	21.92	23.16	33	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.28	22.52	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	20.66	21.9	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	20.96	22.2	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.13	22.37	33	PASS
Band7	15MHz	16QAM	20825	75RB#0	19.63	20.87	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.82	23.06	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.8	23.04	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.96	23.2	33	PASS



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Band7	15MHz	16QAM	21100	75RB#0	20.69	21.93	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.76	23	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.61	22.85	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.17	22.41	33	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.25	21.49	33	PASS
Band7	15MHz	64QAM	20825	1RB#0	19.6	20.84	33	PASS
Band7	15MHz	64QAM	20825	1RB#38	19.81	21.05	33	PASS
Band7	15MHz	64QAM	20825	1RB#74	19.95	21.19	33	PASS
Band7	15MHz	64QAM	20825	75RB#0	18.62	19.86	33	PASS
Band7	15MHz	64QAM	21100	1RB#0	20.57	21.81	33	PASS
Band7	15MHz	64QAM	21100	1RB#38	20.86	22.1	33	PASS
Band7	15MHz	64QAM	21100	1RB#74	20.85	22.09	33	PASS
Band7	15MHz	64QAM	21100	75RB#0	19.64	20.88	33	PASS
Band7	15MHz	64QAM	21375	1RB#0	20.54	21.78	33	PASS
Band7	15MHz	64QAM	21375	1RB#38	20.48	21.72	33	PASS
Band7	15MHz	64QAM	21375	1RB#74	20.27	21.51	33	PASS
Band7	15MHz	64QAM	21375	75RB#0	19.3	20.54	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	21.36	22.6	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	21.56	22.8	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.03	23.27	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	20.69	21.93	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.28	23.52	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.55	23.79	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.55	23.79	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.63	22.87	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.58	23.82	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.22	23.46	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	21.88	23.12	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.27	22.51	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	20.67	21.91	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	20.92	22.16	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.39	22.63	33	PASS



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Band7	20MHz	16QAM	21100	1RB#0	21.63	22.87	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.9	23.14	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.84	23.08	33	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.57	21.81	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.85	23.09	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.68	22.92	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.23	22.47	33	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.16	21.4	33	PASS
Band7	20MHz	64QAM	20850	1RB#0	19.52	20.76	33	PASS
Band7	20MHz	64QAM	20850	1RB#49	19.84	21.08	33	PASS
Band7	20MHz	64QAM	20850	1RB#99	20.28	21.52	33	PASS
Band7	20MHz	64QAM	20850	100RB#0	18.73	19.97	33	PASS
Band7	20MHz	64QAM	21100	1RB#0	20.4	21.64	33	PASS
Band7	20MHz	64QAM	21100	1RB#49	20.9	22.14	33	PASS
Band7	20MHz	64QAM	21100	1RB#99	20.9	22.14	33	PASS
Band7	20MHz	64QAM	21100	100RB#0	19.61	20.85	33	PASS
Band7	20MHz	64QAM	21350	1RB#0	20.82	22.06	33	PASS
Band7	20MHz	64QAM	21350	1RB#49	20.54	21.78	33	PASS
Band7	20MHz	64QAM	21350	1RB#99	20.18	21.42	33	PASS
Band7	20MHz	64QAM	21350	100RB#0	19.3	20.54	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

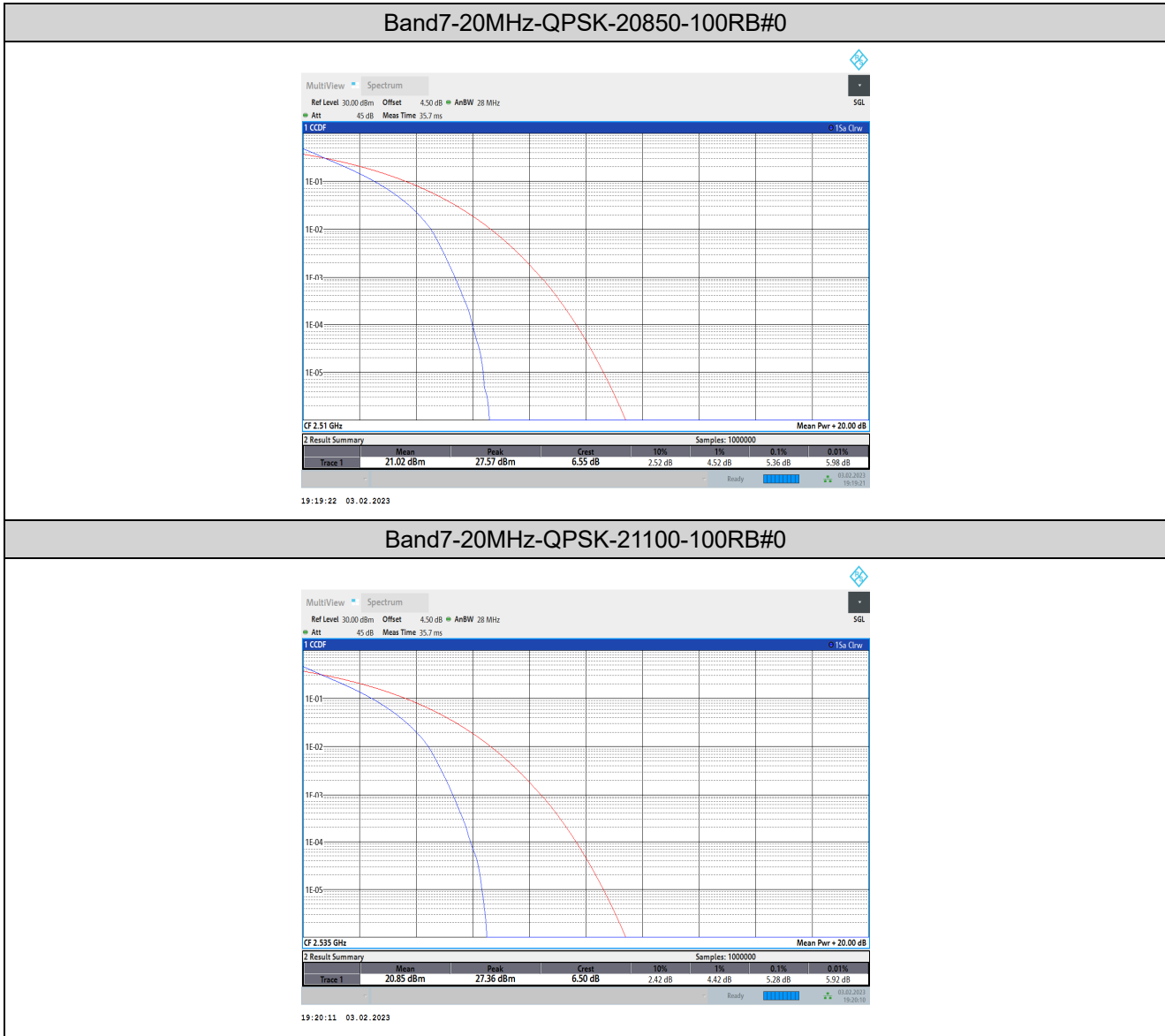


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Test Graphs

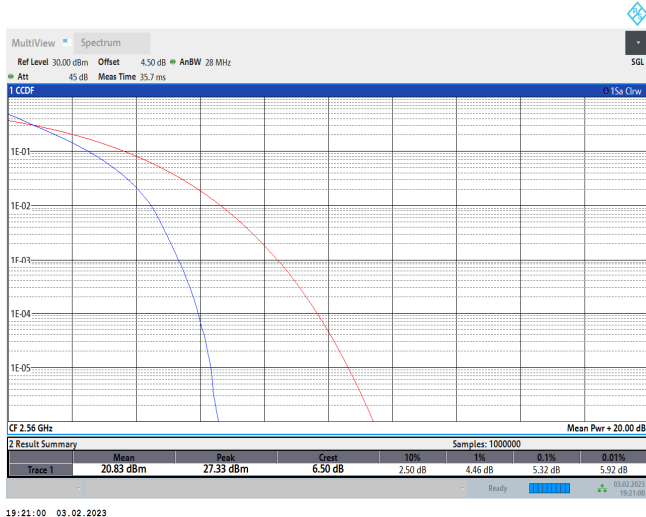


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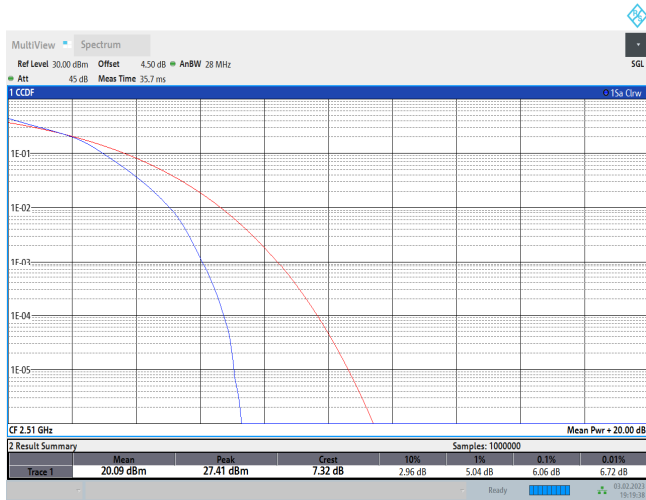
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Band7-20MHz-QPSK-21350-100RB#0



19:21:00 03.02.2023

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



19:19:38 03.02.2023

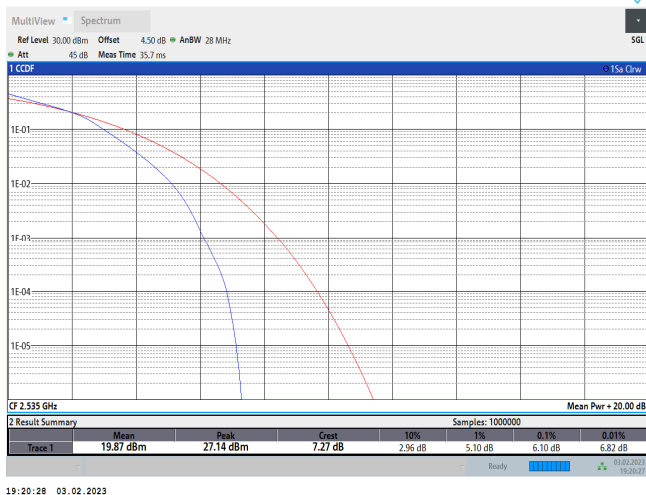


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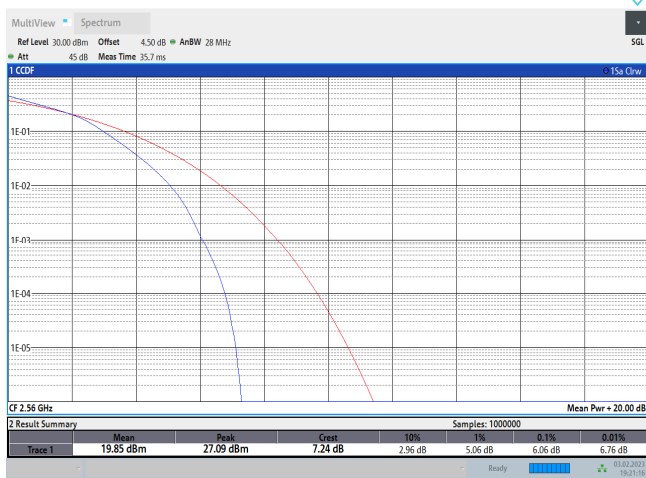
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Band7-20MHz-16QAM-21100-100RB#0



19:20:28 03.02.2023

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

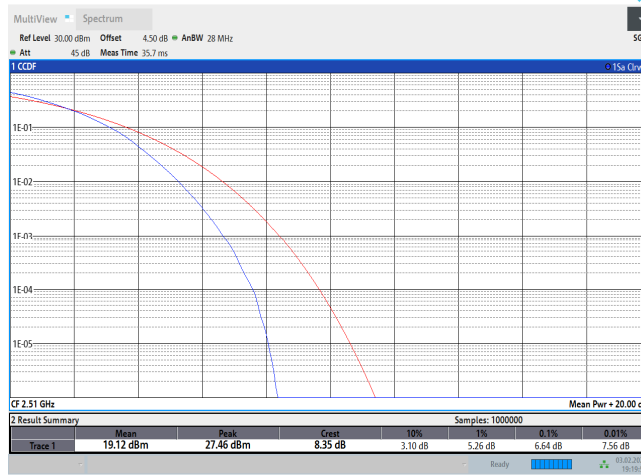


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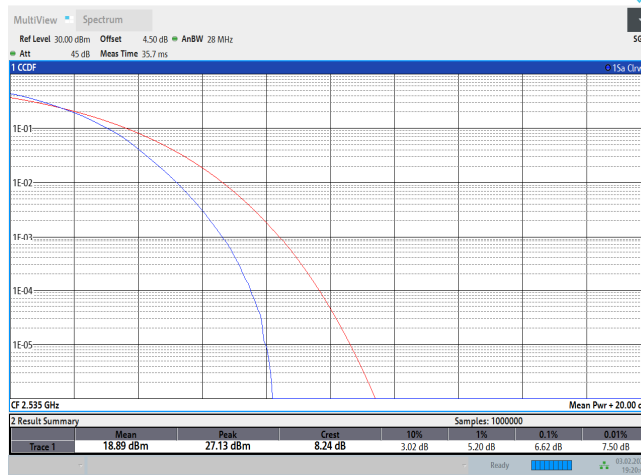
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Band7-20MHz-64QAM-20850-100RB#0



19:19:55 03.02.2023

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



19:20:44 03.02.2023

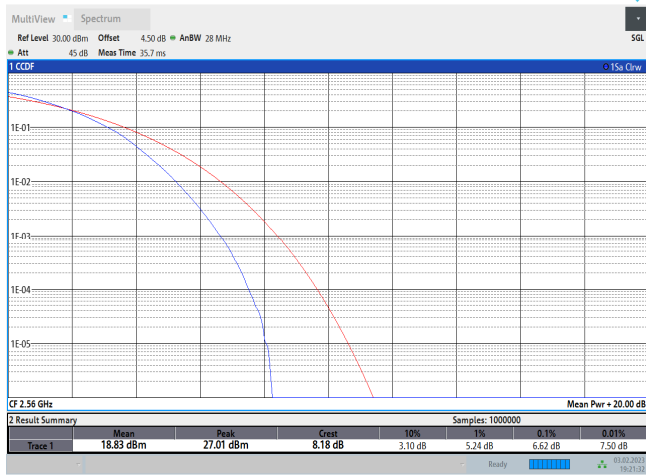


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Band7-20MHz-64QAM-21350-100RB#0



19:21:33 03.02.2023



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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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Report No.: SEWA2211000082RG01

Rev.: 01

Page: 14 of 52

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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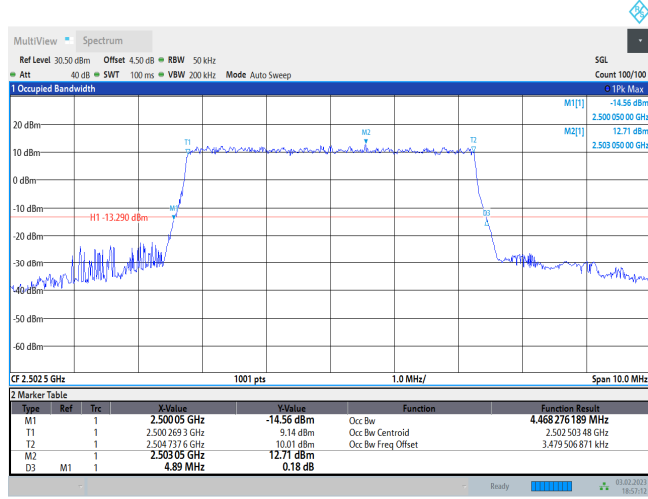
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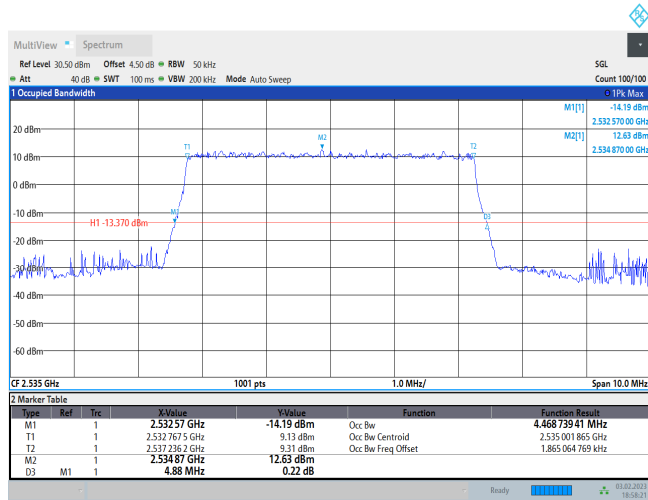
Test Graphs

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



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



18:58:22 03.02.2023

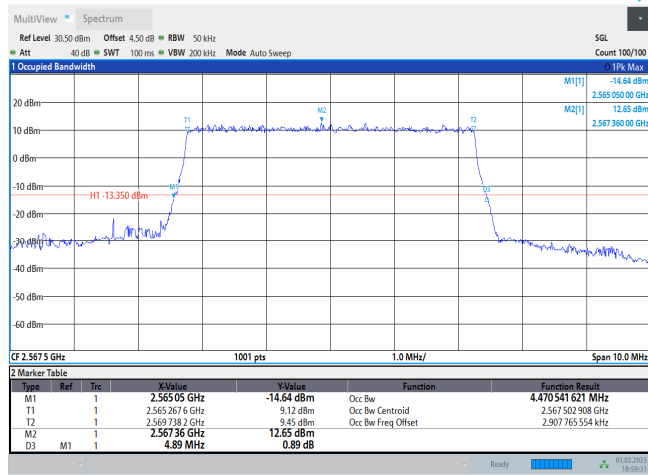


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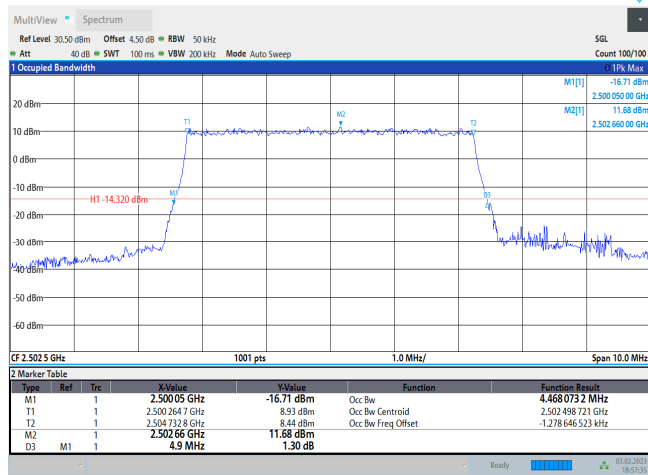
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Band7-5MHz-QPSK-21425-25RB#0



18:59:31 03.02.2023

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



18:57:35 03.02.2023

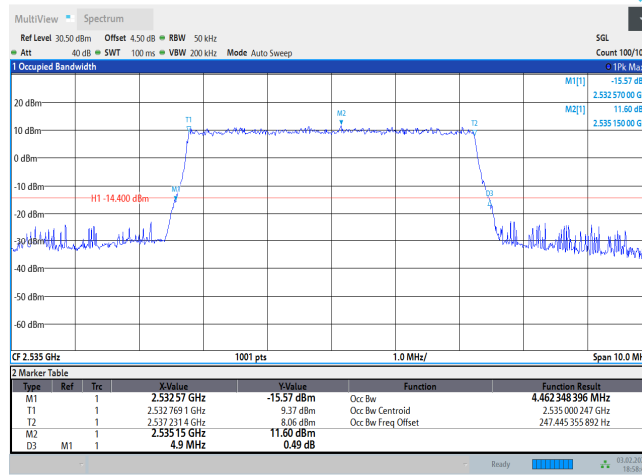


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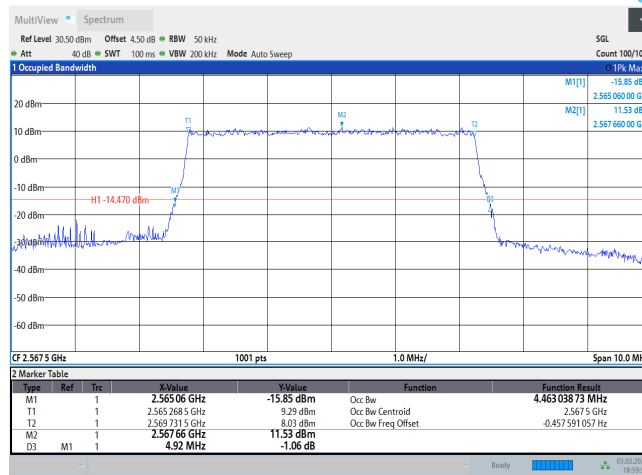
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Band7-5MHz-16QAM-21100-25RB#0



18:58:45 03.02.2023

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



18:59:54 03.02.2023



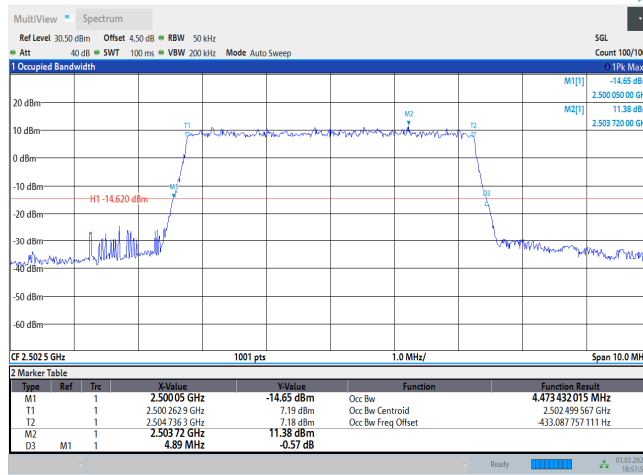
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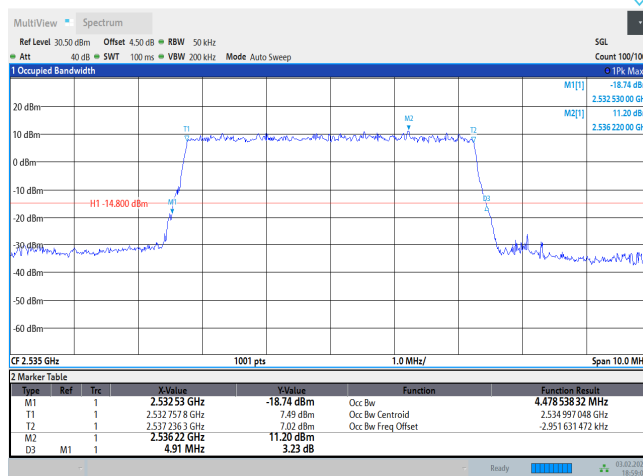
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Band7-5MHz-64QAM-21100-25RB#0



18:59:08 03.02.2023

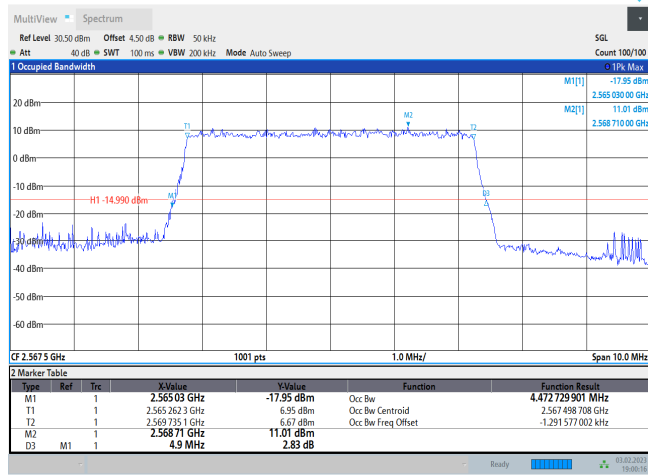


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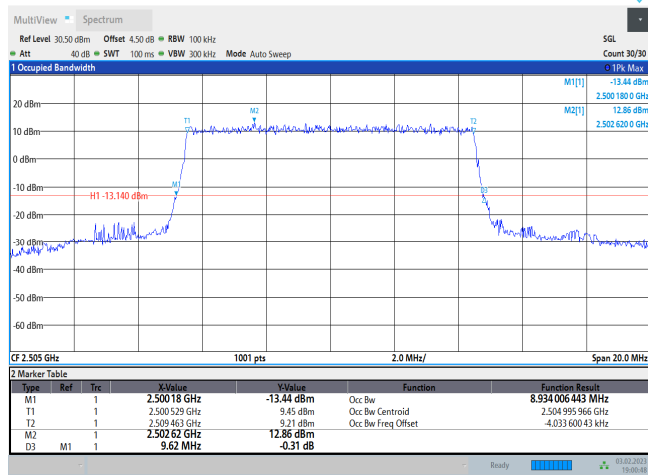
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Band7-5MHz-64QAM-21425-25RB#0



19:00:17 03.02.2023

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



19:00:48 03.02.2023

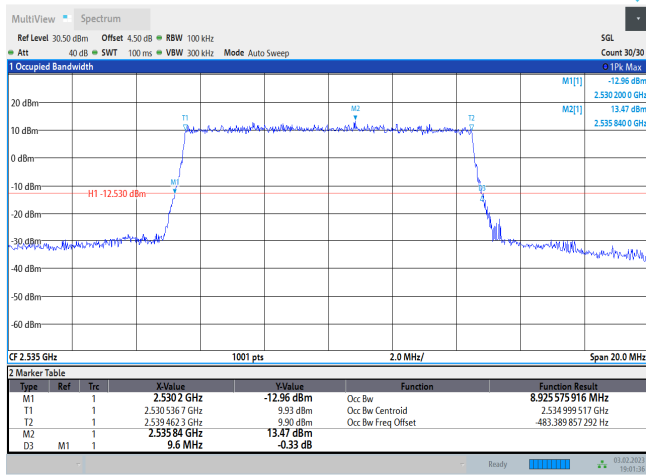


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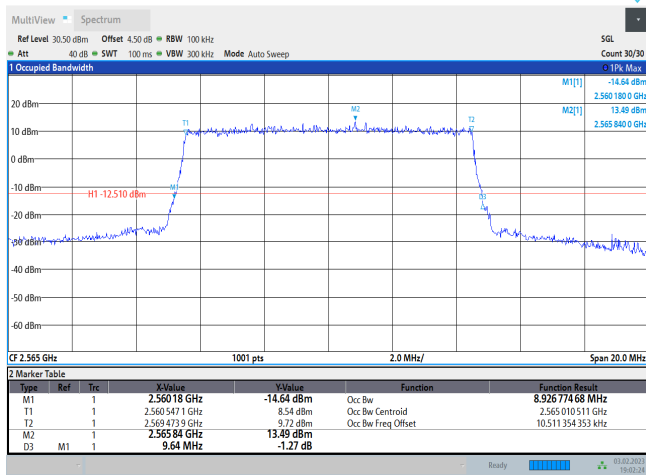
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Band7-10MHz-QPSK-21100-50RB#0



19:01:36 03.02.2023

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

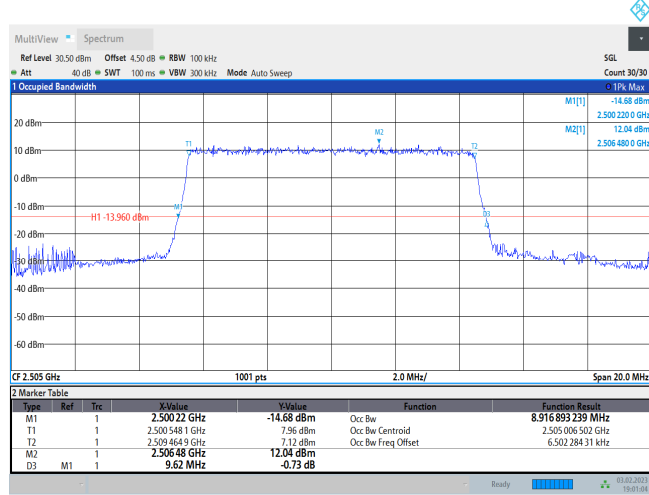


19:02:25 03.02.2023



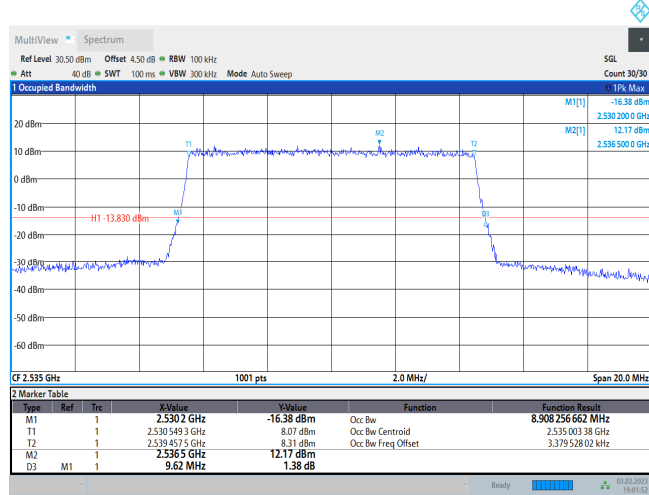
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Band7-10MHz-16QAM-20800-50RB#0



19:01:04 03.02.2023

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



19:01:52 03.02.2023



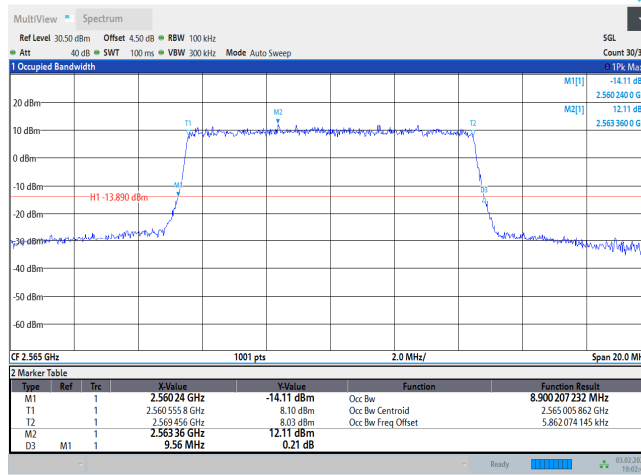
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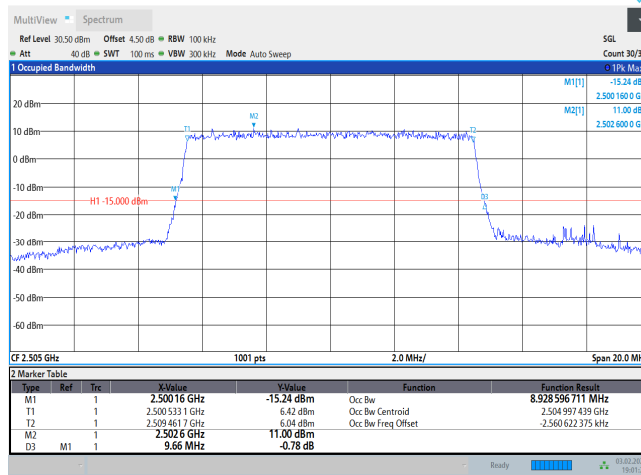
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Band7-10MHz-16QAM-21400-50RB#0



19:02:41 03.02.2023

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



19:01:20 03.02.2023

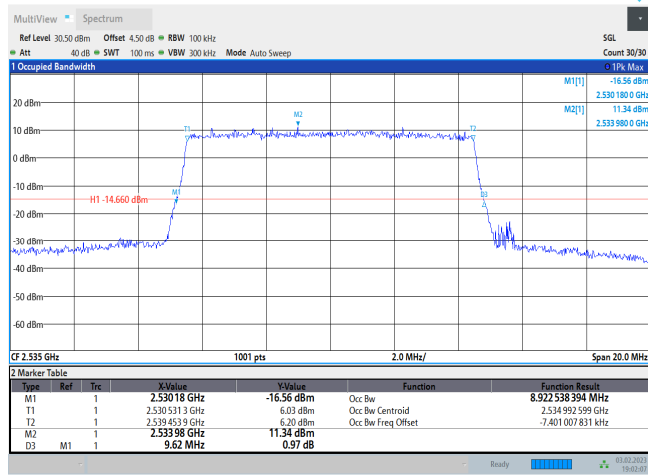


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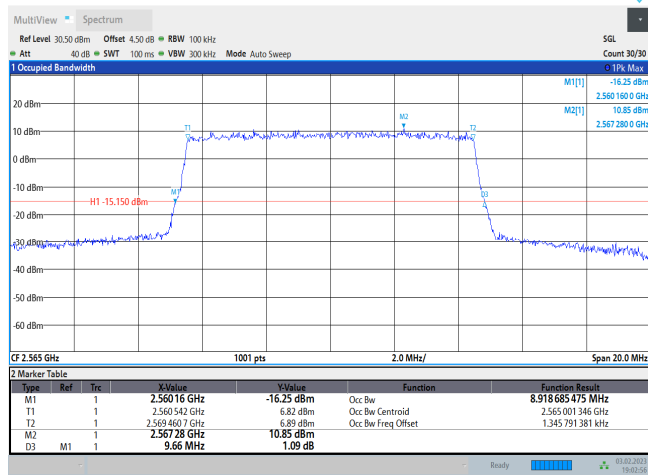
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Band7-10MHz-64QAM-21100-50RB#0



19:02:08 03.02.2023

Band7-10MHz-64QAM-21400-50RB#0



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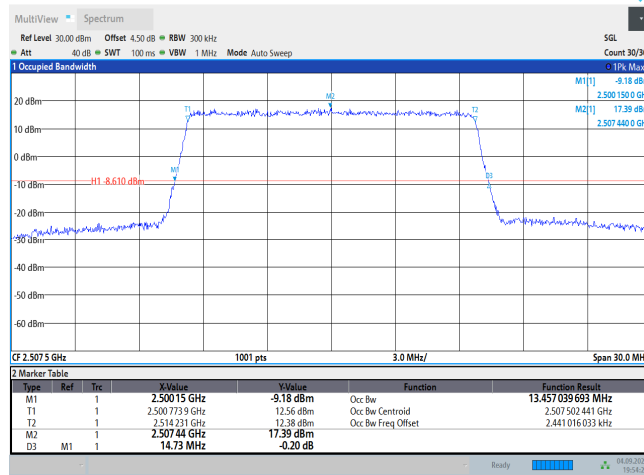


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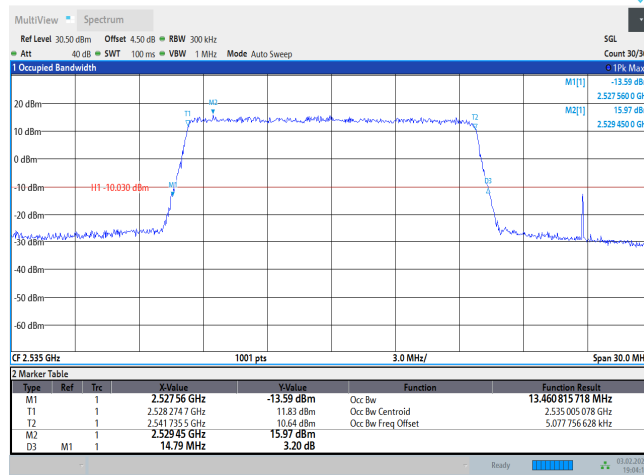
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Band7-15MHz-QPSK-20825-75RB#0



19:54:26 04.09.2023

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



19:04:16 03.02.2023

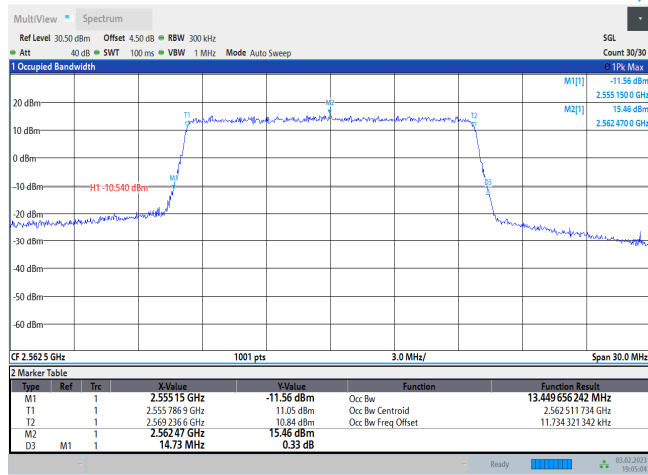


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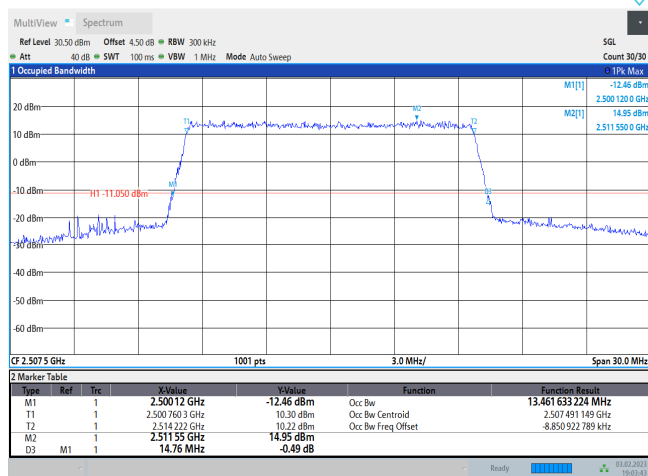
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Band7-15MHz-QPSK-21375-75RB#0



19:05:04 03.02.2023

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



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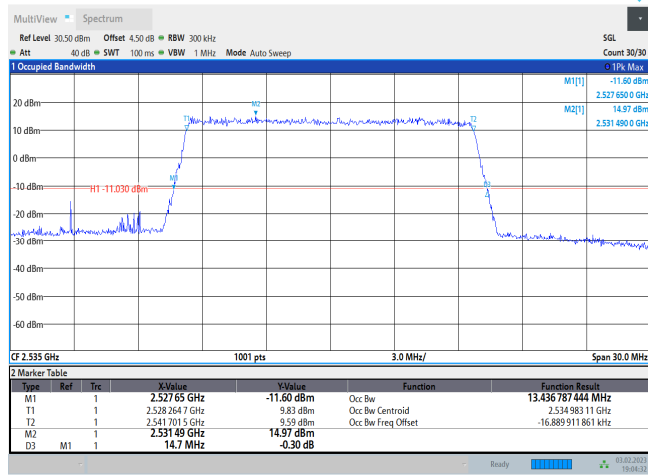


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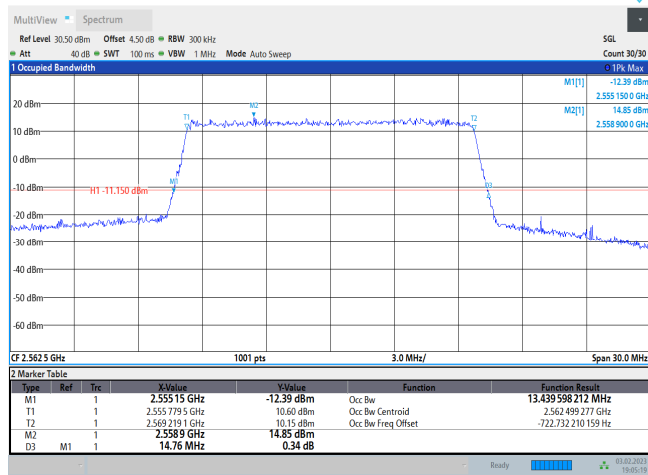
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Band7-15MHz-16QAM-21100-75RB#0



19:04:32 03.02.2023

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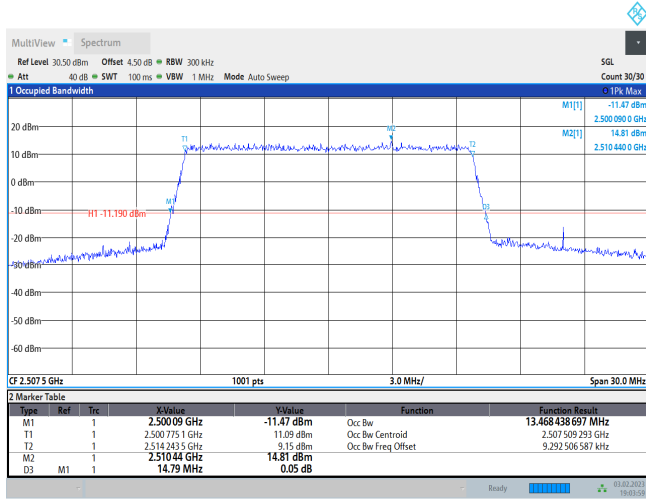


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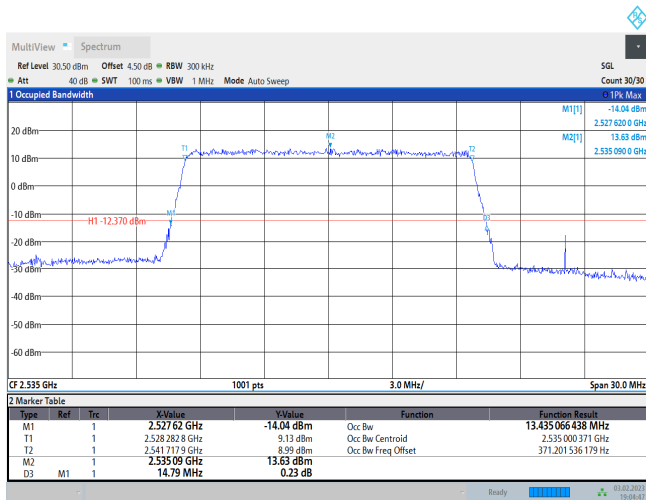
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Band7-15MHz-64QAM-20825-75RB#0



19:04:00 03.02.2023

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



19:04:48 03.02.2023

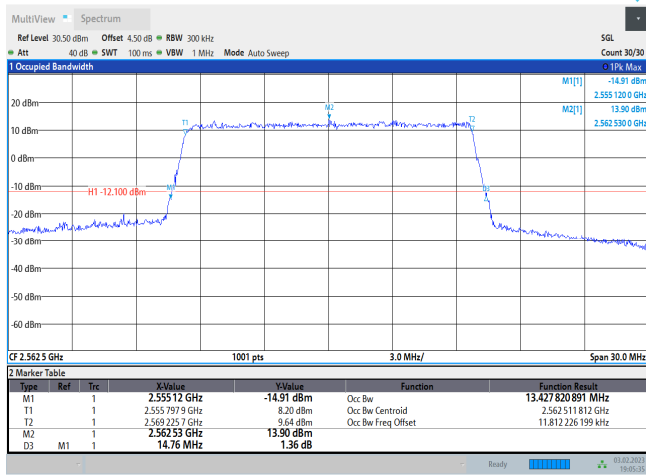


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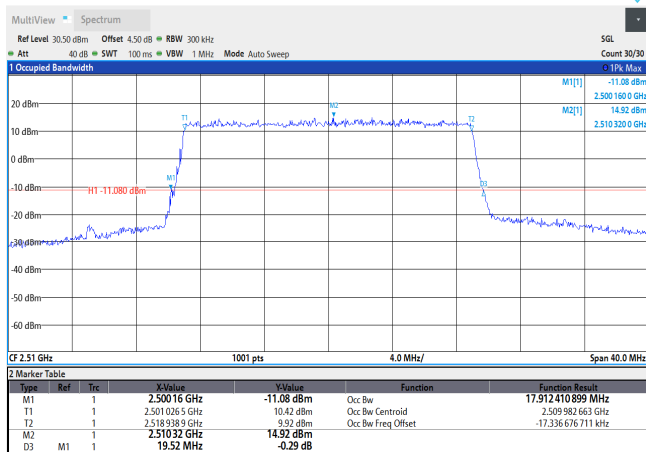
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Band7-15MHz-64QAM-21375-75RB#0



19:05:36 03.02.2023

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



19:06:07 03.02.2023

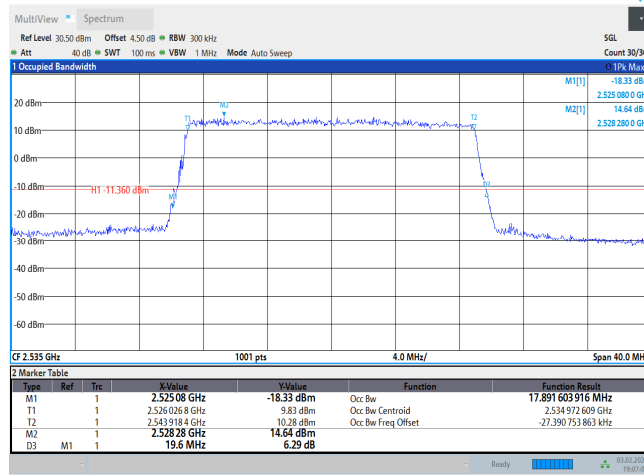


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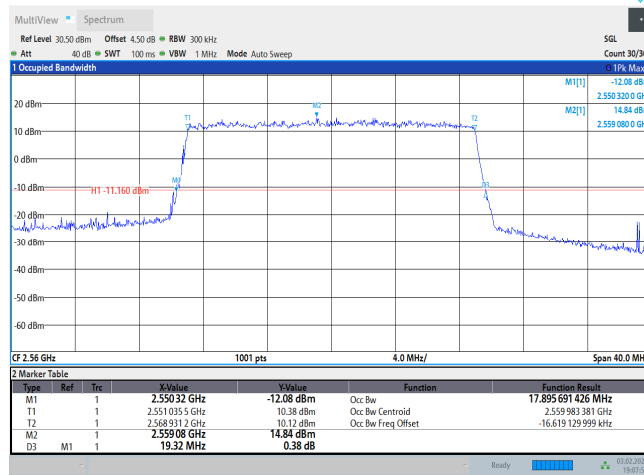
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Band7-20MHz-QPSK-21100-100RB#0



19:07:09 03.02.2023

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



19:07:58 03.02.2023



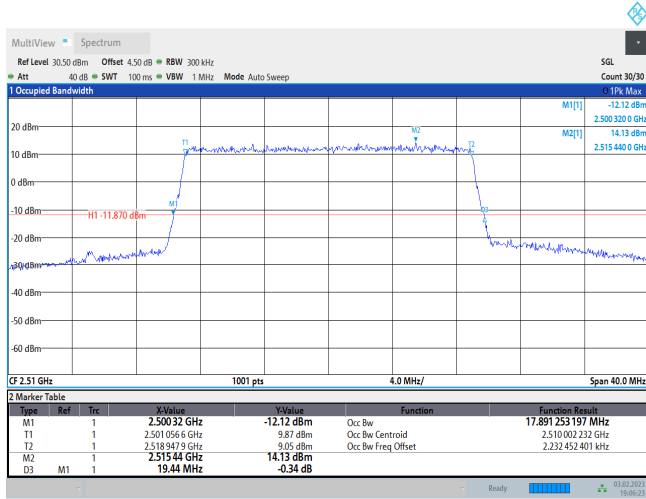
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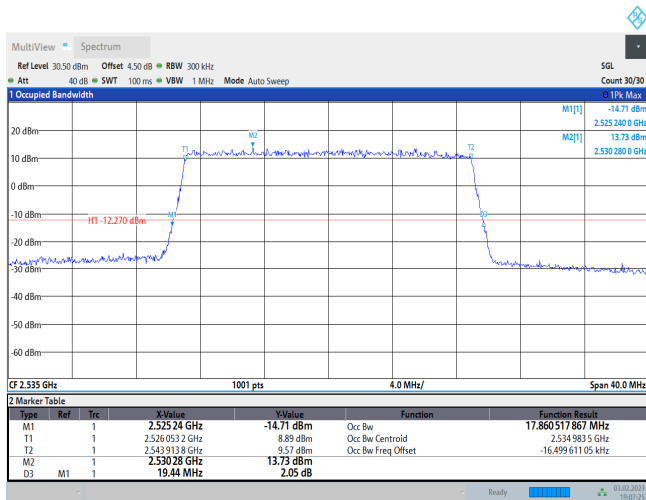
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Band7-20MHz-16QAM-20850-100RB#0



19:06:23 03.02.2023

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



19:07:25 03.02.2023

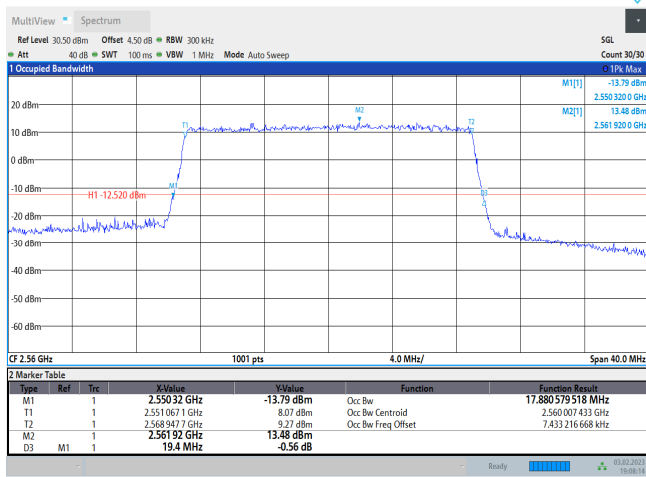


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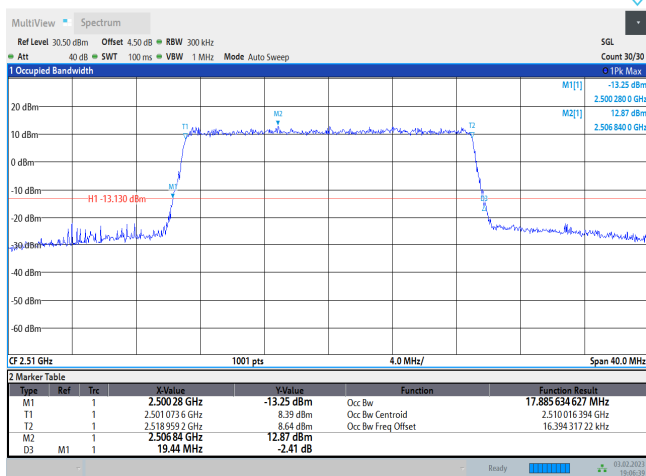
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Band7-20MHz-16QAM-21350-100RB#0



19:08:14 03.02.2023

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



19:06:39 03.02.2023

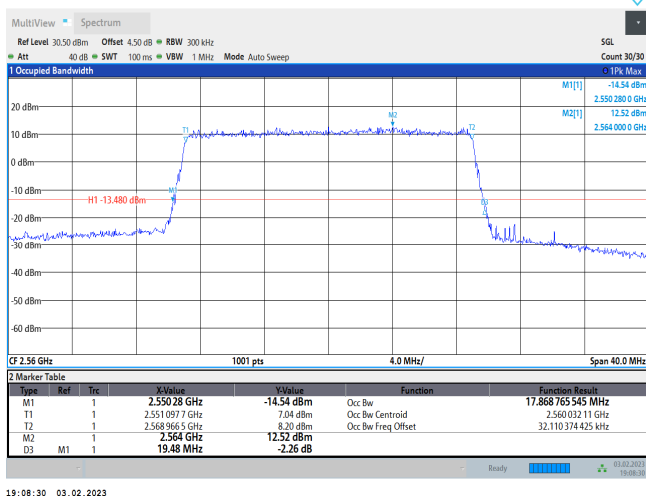


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Band7-20MHz-64QAM-21100-100RB#0



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



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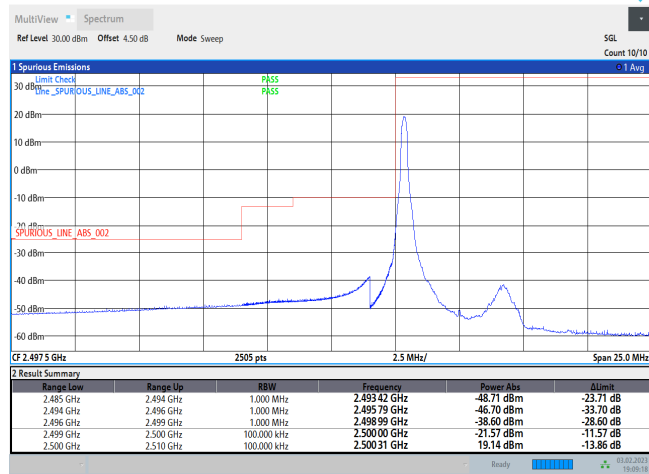
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Band Edge

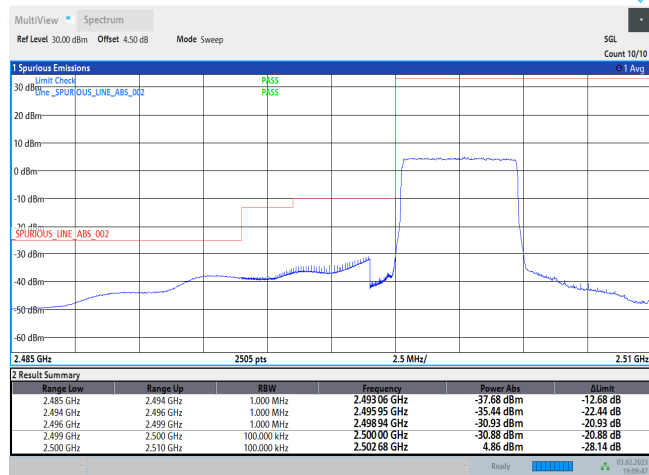
Test Graphs

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



19:09:18 03.02.2023

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



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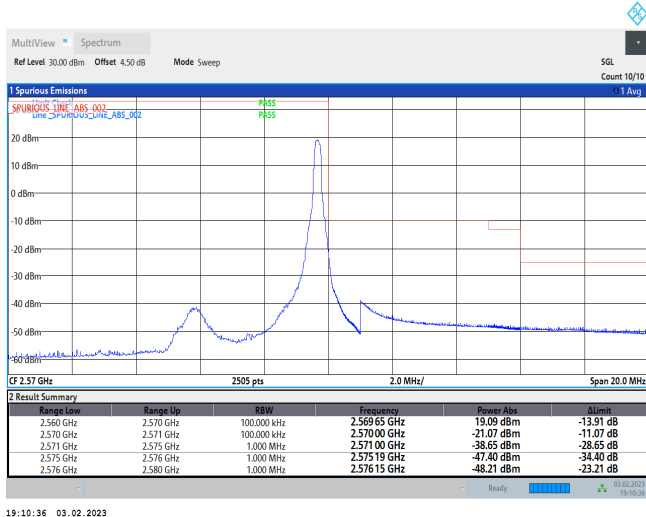


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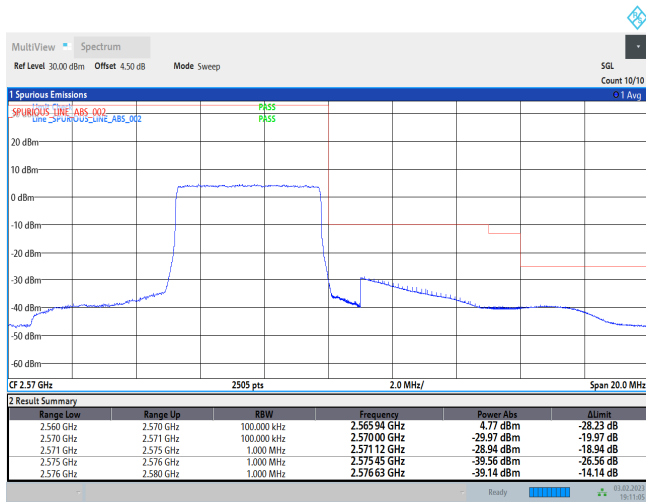
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Band7-5MHz-QPSK-21425-1RB#24



19:10:36 03.02.2023

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

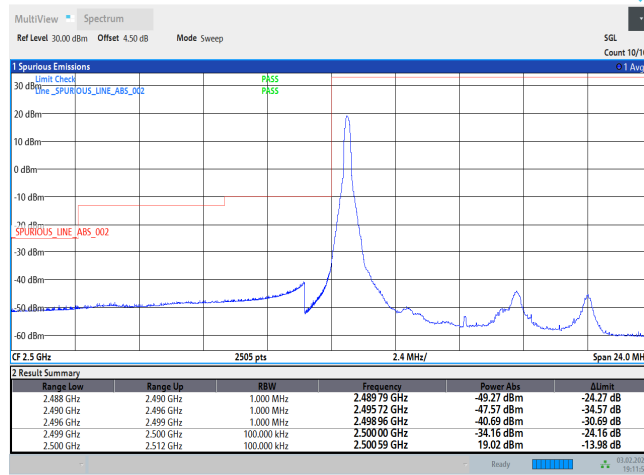


19:11:06 03.02.2023



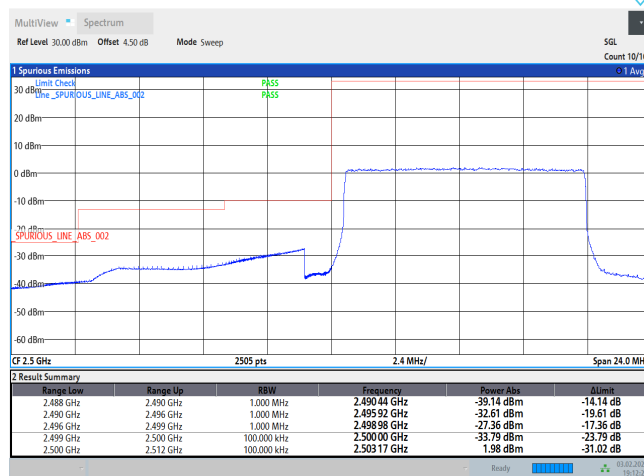
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Band7-10MHz-QPSK-20800-1RB#0



19:11:54 03.02.2023

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

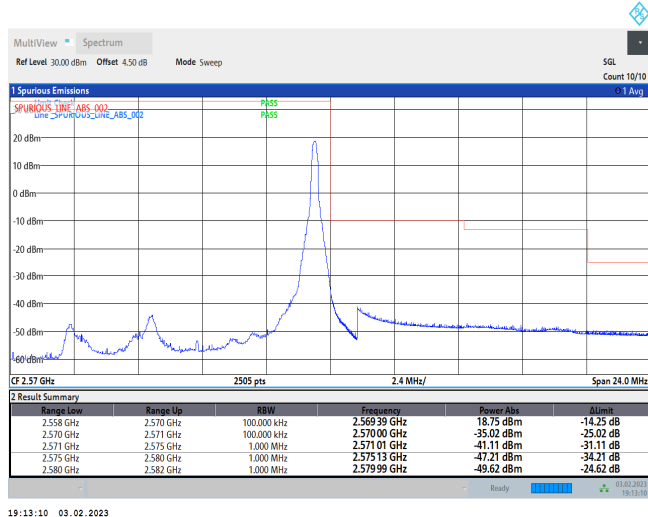


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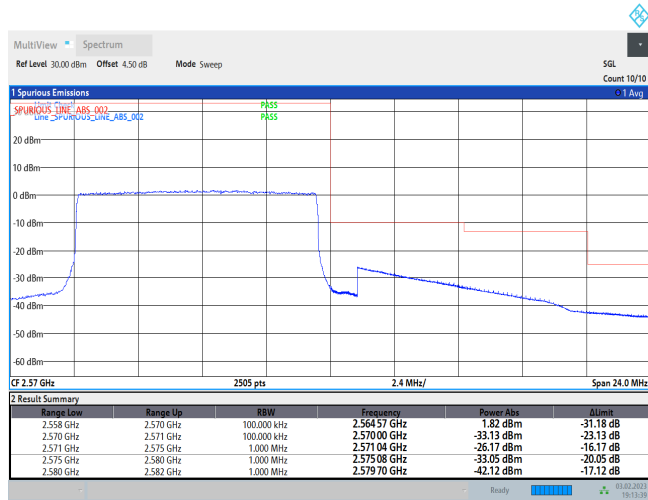
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Band7-10MHz-QPSK-21400-1RB#49



19:13:10 03.02.2023

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

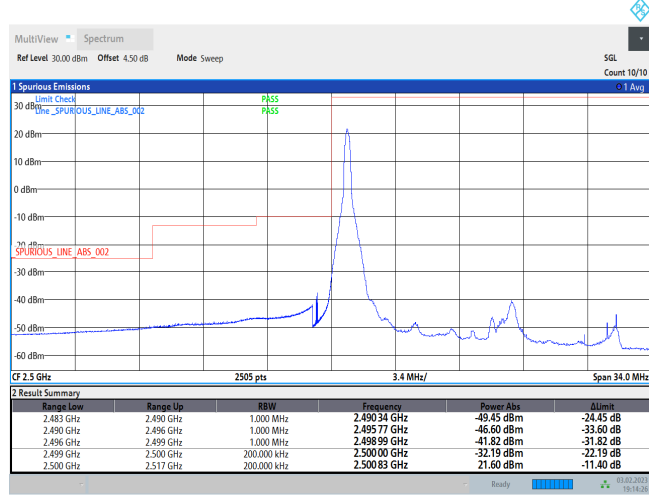


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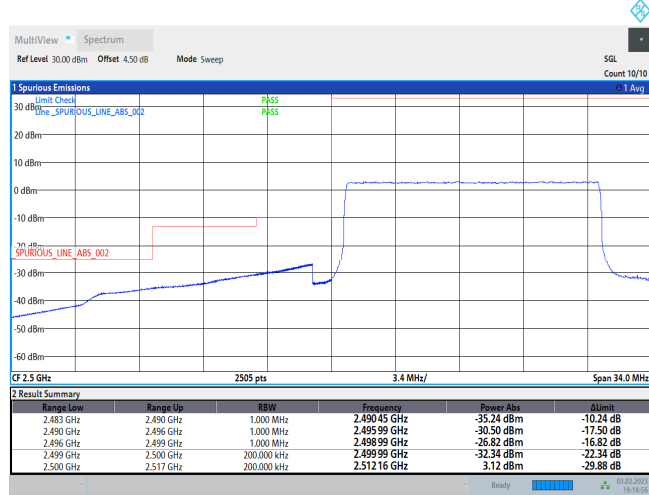
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Band7-15MHz-QPSK-20825-1RB#0



19:14:27 03.02.2023

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

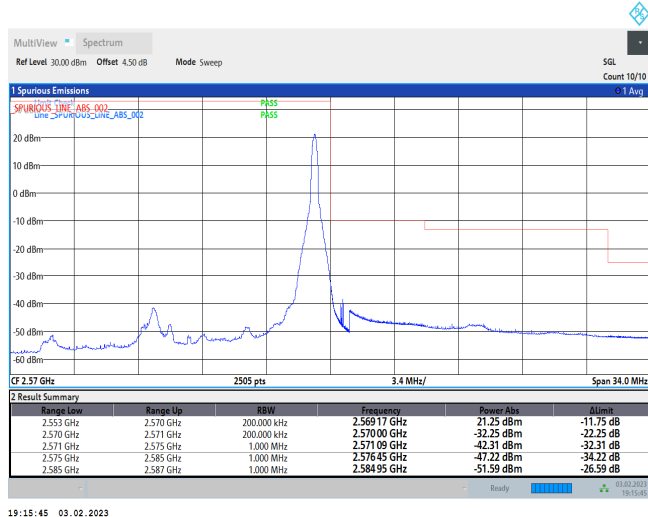


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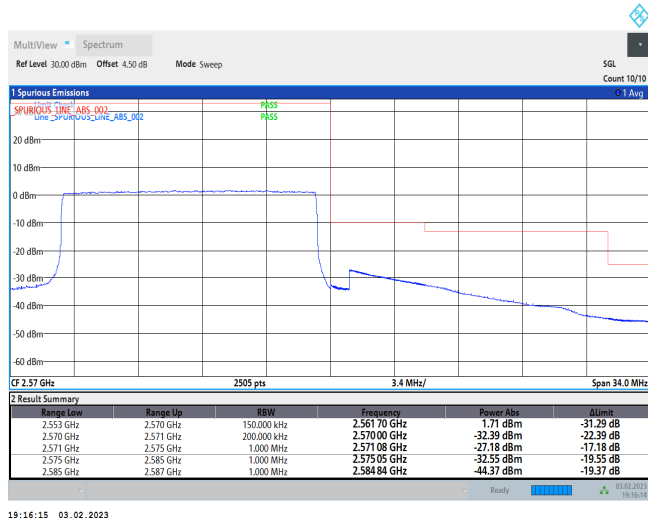


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Band7-15MHz-QPSK-21375-1RB#74



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

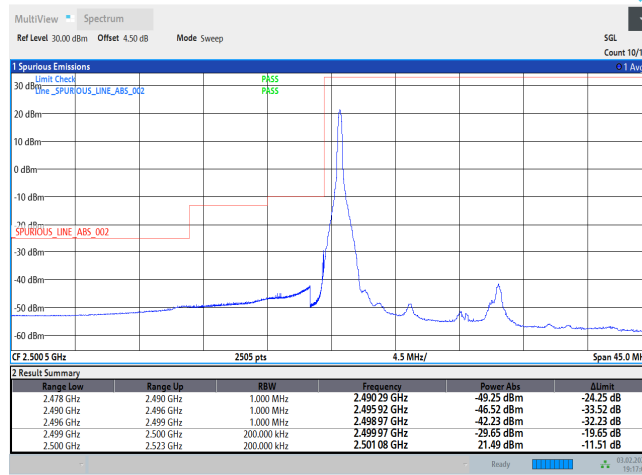


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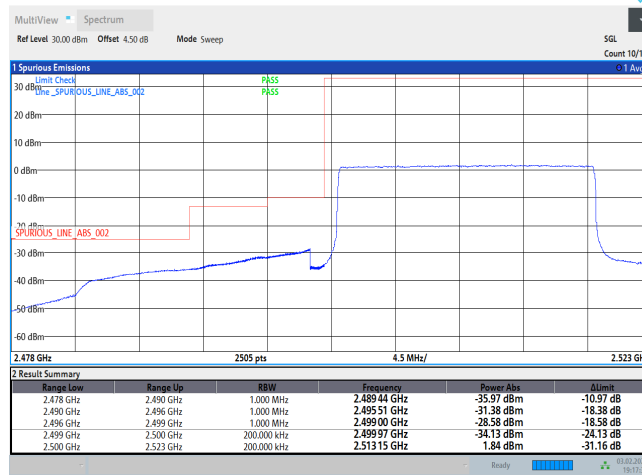
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Band7-20MHz-QPSK-20850-1RB#0



19:17:02 03.02.2023

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



19:17:31 03.02.2023

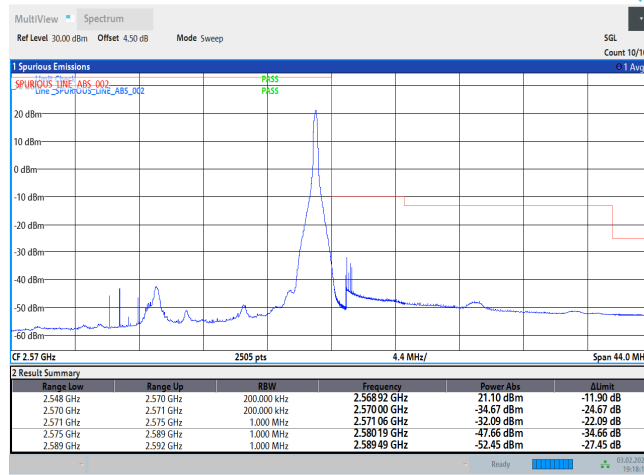


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Band7-20MHz-QPSK-21350-1RB#99



19:18:20 03.02.2023

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



19:18:50 03.02.2023



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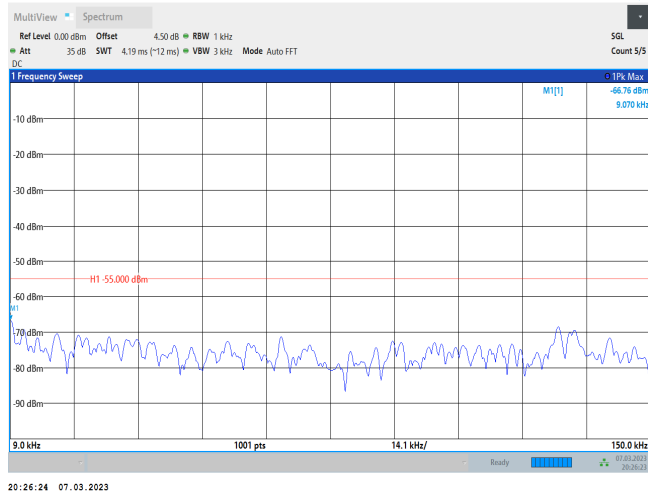
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Conducted Spurious Emission

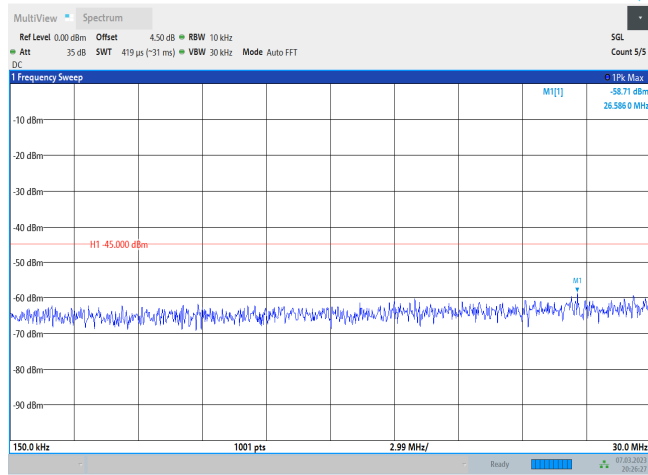
Test Graphs

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



20:26:24 07.03.2023

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



20:26:27 07.03.2023



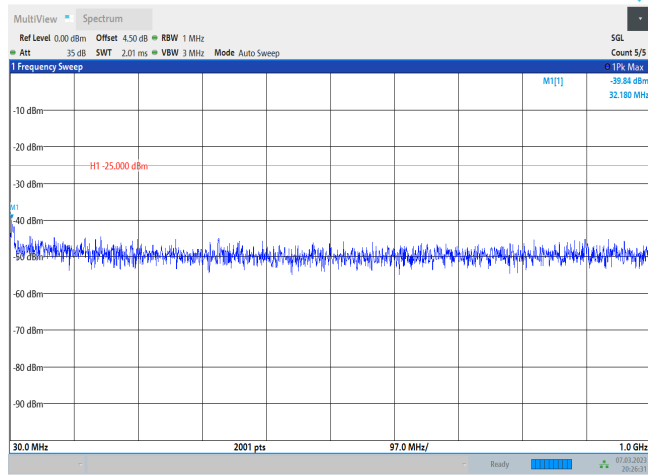
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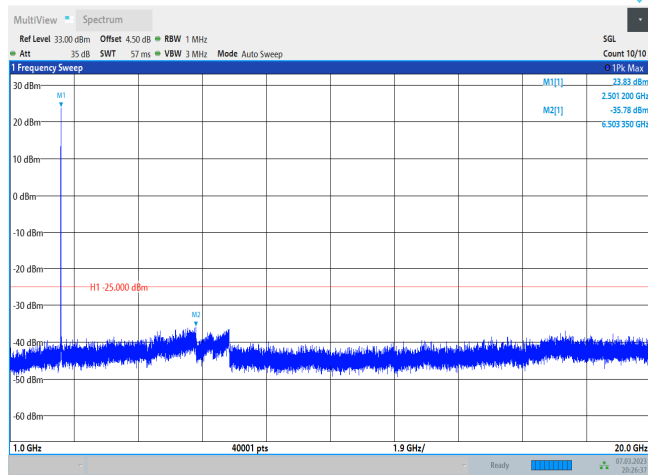
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Band7-20MHz-QPSK-20850-1RB#0-Range3:30~1000MHz



20:26:31 07.03.2023

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



20:26:37 07.03.2023



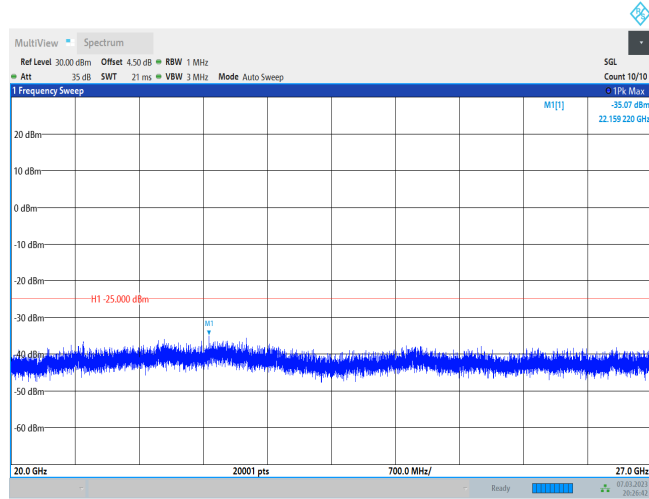
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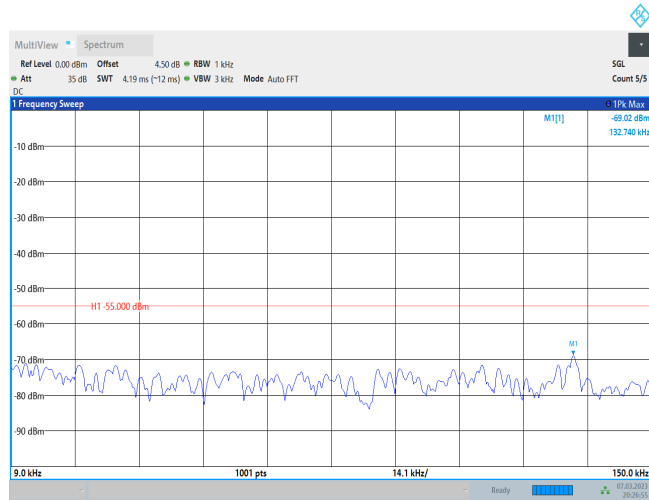
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Band7-20MHz-QPSK-20850-1RB#0-Range5:20000~27000MHz



20:26:42 07.03.2023

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

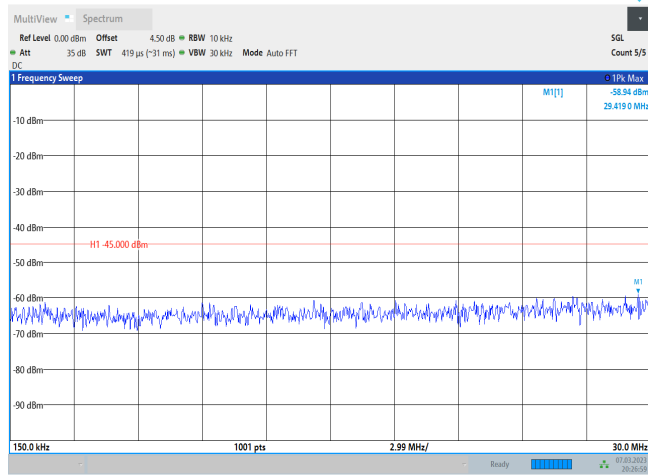


20:26:55 07.03.2023



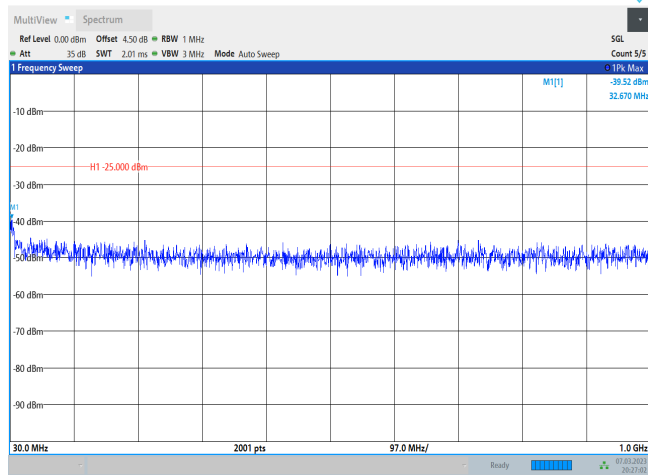
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Band7-20MHz-QPSK-21100-1RB#0-Range2:0.15~30MHz



20:26:59 07.03.2023

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



20:27:03 07.03.2023



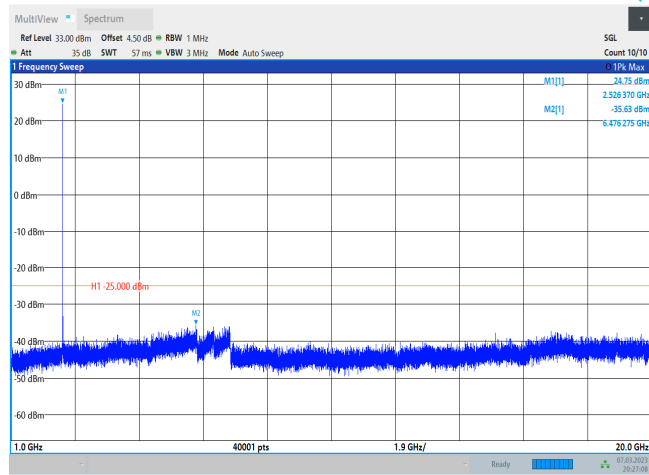
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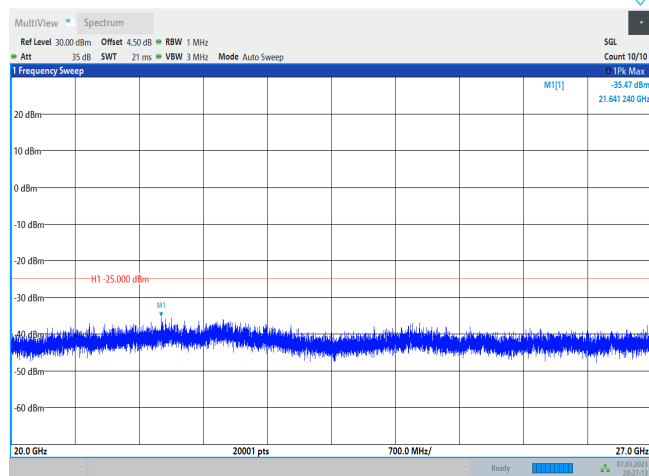
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Band7-20MHz-QPSK-21100-1RB#0-Range4:1000~20000MHz



20:27:08 07.03.2023

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



20:27:14 07.03.2023

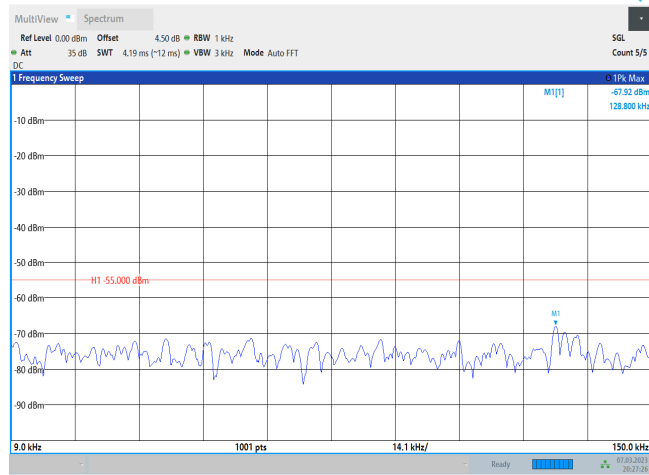


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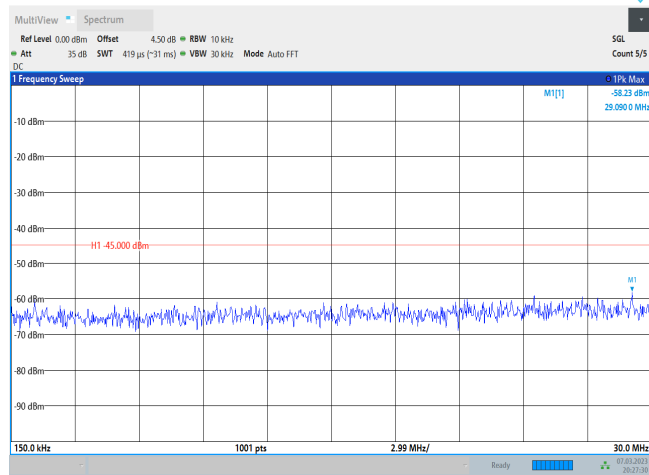
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Band7-20MHz-QPSK-21350-1RB#0-Range1:0.009~0.15MHz



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

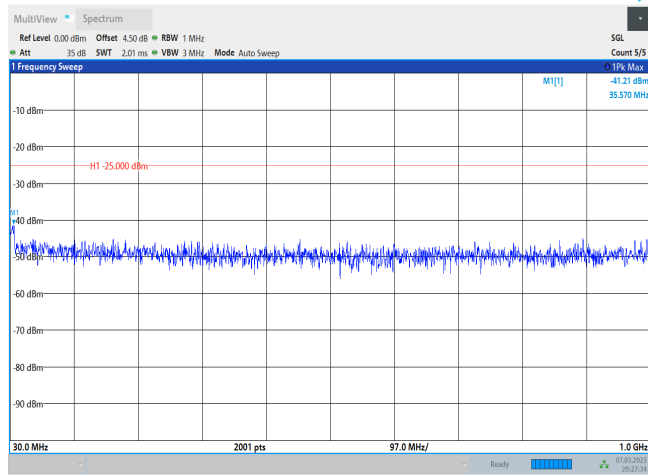


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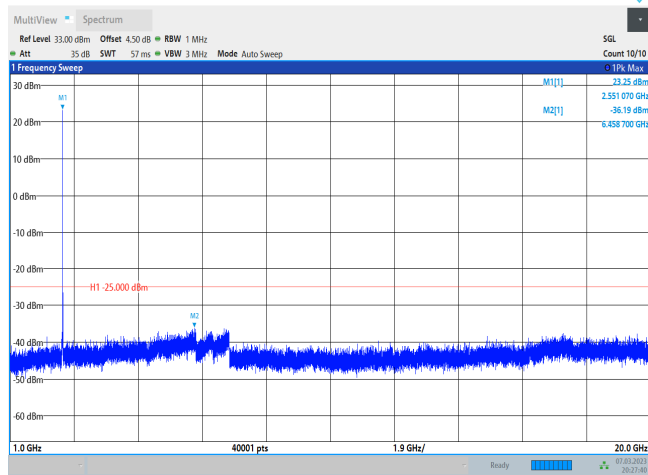
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Band7-20MHz-QPSK-21350-1RB#0-Range3:30~1000MHz



20:27:35 07.03.2023

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



20:27:41 07.03.2023

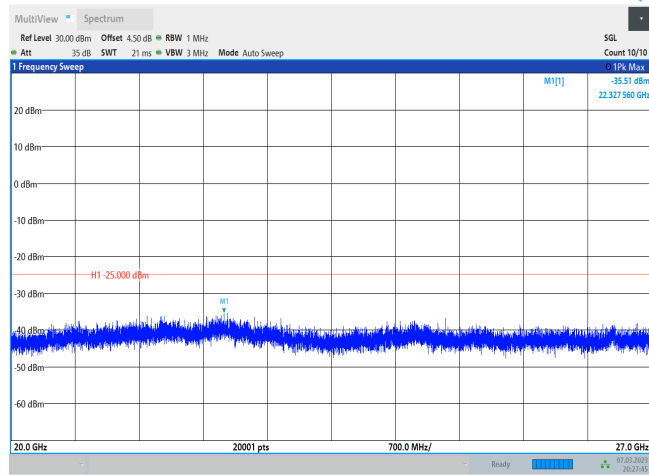


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Band7-20MHz-QPSK-21350-1RB#0-Range5:20000~27000MHz



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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	40.46	-44.92	32.60	-67.12	-25.00	42.12	241	63	Horizontal
2	7503.27	39.08	-41.59	36.51	-61.26	-25.00	36.26	142	148	Horizontal
3	10004.36	35.00	-37.13	38.50	-58.89	-25.00	33.89	265	360	Horizontal
4	12505.45	31.36	-35.23	39.11	-60.02	-25.00	35.02	285	20	Horizontal
5	15006.54	31.25	-34.00	39.19	-58.82	-25.00	33.82	241	296	Horizontal
6	17507.63	29.93	-31.88	40.63	-56.58	-25.00	31.58	146	188	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	40.66	-44.92	32.60	-66.92	-25.00	41.92	206	147	Vertical
2	7503.27	38.85	-41.59	36.51	-61.49	-25.00	36.49	296	187	Vertical
3	10004.36	34.67	-37.13	38.50	-59.22	-25.00	34.22	265	334	Vertical
4	12505.45	32.01	-35.23	39.11	-59.37	-25.00	34.37	241	294	Vertical
5	15006.54	31.06	-34.00	39.19	-59.01	-25.00	34.01	142	359	Vertical
6	17507.63	30.40	-31.88	40.63	-56.11	-25.00	31.11	266	104	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	41.29	-44.60	32.60	-65.97	-25.00	40.97	263	148	Horizontal
2	7578.27	38.71	-41.33	36.66	-61.23	-25.00	36.23	265	211	Horizontal
3	10104.36	34.09	-36.80	38.61	-59.35	-25.00	34.35	284	20	Horizontal
4	12630.45	31.26	-34.72	39.23	-59.49	-25.00	34.49	142	20	Horizontal
5	15156.54	31.37	-33.29	39.00	-58.18	-25.00	33.18	285	233	Horizontal
6	17682.63	31.44	-31.11	41.33	-53.60	-25.00	28.60	296	83	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	41.34	-44.60	32.60	-65.92	-25.00	40.92	163	188	Vertical
2	7578.27	38.74	-41.33	36.66	-61.20	-25.00	36.20	254	271	Vertical
3	10104.36	34.67	-36.80	38.61	-58.77	-25.00	33.77	142	169	Vertical
4	12630.45	32.16	-34.72	39.23	-58.59	-25.00	33.59	263	3	Vertical
5	15156.54	31.23	-33.29	39.00	-58.32	-25.00	33.32	225	229	Vertical
6	17682.63	31.02	-31.11	41.33	-54.02	-25.00	29.02	156	312	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	40.88	-44.29	32.60	-66.07	-25.00	41.07	296	360	Horizontal
2	7653.27	37.35	-41.30	36.81	-62.40	-25.00	37.40	265	125	Horizontal
3	10204.36	36.72	-36.56	38.72	-56.38	-25.00	31.38	241	360	Horizontal
4	12755.45	33.60	-35.10	39.36	-57.41	-25.00	32.41	185	125	Horizontal
5	15306.54	30.90	-33.87	38.80	-59.43	-25.00	34.43	263	322	Horizontal
6	17857.63	30.94	-30.96	42.03	-53.24	-25.00	28.24	224	40	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	5102.18	41.46	-44.29	32.60	-65.49	-25.00	40.49	254	143	Vertical
2	7653.27	37.41	-41.30	36.81	-62.34	-25.00	37.34	185	19	Vertical
3	10204.36	36.24	-36.56	38.72	-56.86	-25.00	31.86	296	312	Vertical
4	12755.45	33.03	-35.10	39.36	-57.98	-25.00	32.98	232	19	Vertical
5	15306.54	30.81	-33.87	38.80	-59.52	-25.00	34.52	241	248	Vertical
6	17857.63	31.86	-30.96	42.03	-52.32	-25.00	27.32	142	358	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	-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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