

Appendix B.4

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	24.32	18.42	33	PASS
Band7	5MHz	QPSK	20775	1RB#12	24.25	18.35	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	24.3	18.4	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	23.31	17.41	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	24.24	18.34	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	24.22	18.32	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	24.18	18.28	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	23.24	17.34	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.97	18.07	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	24.03	18.13	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	24.13	18.23	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	23.09	17.19	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	23.51	17.61	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	23.47	17.57	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	23.58	17.68	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	22.35	16.45	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	23.47	17.57	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	23.46	17.56	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	23.3	17.4	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	22.24	16.34	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	23.31	17.41	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	23.21	17.31	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	23.33	17.43	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	22.11	16.21	33	PASS
Band7	5MHz	64QAM	20775	1RB#0	22.46	16.56	33	PASS



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Band7	5MHz	64QAM	20775	1RB#12	22.49	16.59	33	PASS
Band7	5MHz	64QAM	20775	1RB#24	22.44	16.54	33	PASS
Band7	5MHz	64QAM	20775	25RB#0	21.33	15.43	33	PASS
Band7	5MHz	64QAM	21100	1RB#0	22.47	16.57	33	PASS
Band7	5MHz	64QAM	21100	1RB#12	22.39	16.49	33	PASS
Band7	5MHz	64QAM	21100	1RB#24	22.33	16.43	33	PASS
Band7	5MHz	64QAM	21100	25RB#0	21.23	15.33	33	PASS
Band7	5MHz	64QAM	21425	1RB#0	22.21	16.31	33	PASS
Band7	5MHz	64QAM	21425	1RB#12	22.18	16.28	33	PASS
Band7	5MHz	64QAM	21425	1RB#24	22.23	16.33	33	PASS
Band7	5MHz	64QAM	21425	25RB#0	21.14	15.24	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	24.27	18.37	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	24.29	18.39	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	24.32	18.42	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	23.4	17.5	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	24.27	18.37	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	24.17	18.27	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	24.12	18.22	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	23.24	17.34	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	24	18.1	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	24.03	18.13	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	24.03	18.13	33	PASS
Band7	10MHz	QPSK	21400	50RB#0	23.11	17.21	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	23.53	17.63	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	23.5	17.6	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	23.51	17.61	33	PASS
Band7	10MHz	16QAM	20800	50RB#0	22.37	16.47	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	23.41	17.51	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	23.45	17.55	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	23.39	17.49	33	PASS



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Band7	10MHz	16QAM	21100	50RB#0	22.27	16.37	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	23.25	17.35	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	23.16	17.26	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	23.33	17.43	33	PASS
Band7	10MHz	16QAM	21400	50RB#0	22.13	16.23	33	PASS
Band7	10MHz	64QAM	20800	1RB#0	22.48	16.58	33	PASS
Band7	10MHz	64QAM	20800	1RB#24	22.39	16.49	33	PASS
Band7	10MHz	64QAM	20800	1RB#49	22.45	16.55	33	PASS
Band7	10MHz	64QAM	20800	50RB#0	21.39	15.49	33	PASS
Band7	10MHz	64QAM	21100	1RB#0	22.43	16.53	33	PASS
Band7	10MHz	64QAM	21100	1RB#24	22.36	16.46	33	PASS
Band7	10MHz	64QAM	21100	1RB#49	22.37	16.47	33	PASS
Band7	10MHz	64QAM	21100	50RB#0	21.3	15.4	33	PASS
Band7	10MHz	64QAM	21400	1RB#0	22.25	16.35	33	PASS
Band7	10MHz	64QAM	21400	1RB#24	22.17	16.27	33	PASS
Band7	10MHz	64QAM	21400	1RB#49	22.25	16.35	33	PASS
Band7	10MHz	64QAM	21400	50RB#0	21.12	15.22	33	PASS
Band7	15MHz	QPSK	20825	1RB#0	24.28	18.38	33	PASS
Band7	15MHz	QPSK	20825	1RB#38	24.31	18.41	33	PASS
Band7	15MHz	QPSK	20825	1RB#74	24.37	18.47	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	23.35	17.45	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	24.28	18.38	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	24.22	18.32	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	24.27	18.37	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	23.26	17.36	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	24.07	18.17	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	24.07	18.17	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	24.05	18.15	33	PASS
Band7	15MHz	QPSK	21375	75RB#0	23.11	17.21	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	23.48	17.58	33	PASS



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Band7	15MHz	16QAM	20825	1RB#38	23.59	17.69	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	23.57	17.67	33	PASS
Band7	15MHz	16QAM	20825	75RB#0	22.38	16.48	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	23.51	17.61	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	23.46	17.56	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	23.44	17.54	33	PASS
Band7	15MHz	16QAM	21100	75RB#0	22.27	16.37	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	23.19	17.29	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	23.25	17.35	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	23.29	17.39	33	PASS
Band7	15MHz	16QAM	21375	75RB#0	22.12	16.22	33	PASS
Band7	15MHz	64QAM	20825	1RB#0	22.49	16.59	33	PASS
Band7	15MHz	64QAM	20825	1RB#38	22.47	16.57	33	PASS
Band7	15MHz	64QAM	20825	1RB#74	22.52	16.62	33	PASS
Band7	15MHz	64QAM	20825	75RB#0	21.36	15.46	33	PASS
Band7	15MHz	64QAM	21100	1RB#0	22.4	16.5	33	PASS
Band7	15MHz	64QAM	21100	1RB#38	22.37	16.47	33	PASS
Band7	15MHz	64QAM	21100	1RB#74	22.32	16.42	33	PASS
Band7	15MHz	64QAM	21100	75RB#0	21.24	15.34	33	PASS
Band7	15MHz	64QAM	21375	1RB#0	22.13	16.23	33	PASS
Band7	15MHz	64QAM	21375	1RB#38	22.16	16.26	33	PASS
Band7	15MHz	64QAM	21375	1RB#74	22.21	16.31	33	PASS
Band7	15MHz	64QAM	21375	75RB#0	21.08	15.18	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	24.3	18.4	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	24.3	18.4	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	24.34	18.44	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	23.36	17.46	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	24.29	18.39	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	24.2	18.3	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	24.15	18.25	33	PASS



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Band7	20MHz	QPSK	21100	100RB#0	23.31	17.41	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	24.01	18.11	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	24.01	18.11	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	24.03	18.13	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	23.14	17.24	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	23.49	17.59	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	23.58	17.68	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	23.59	17.69	33	PASS
Band7	20MHz	16QAM	20850	100RB#0	22.39	16.49	33	PASS
Band7	20MHz	16QAM	21100	1RB#0	23.42	17.52	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	23.49	17.59	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	23.34	17.44	33	PASS
Band7	20MHz	16QAM	21100	100RB#0	22.28	16.38	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	23.21	17.31	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	23.29	17.39	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	23.23	17.33	33	PASS
Band7	20MHz	16QAM	21350	100RB#0	22.1	16.2	33	PASS
Band7	20MHz	64QAM	20850	1RB#0	22.4	16.5	33	PASS
Band7	20MHz	64QAM	20850	1RB#49	22.46	16.56	33	PASS
Band7	20MHz	64QAM	20850	1RB#99	22.45	16.55	33	PASS
Band7	20MHz	64QAM	20850	100RB#0	21.35	15.45	33	PASS
Band7	20MHz	64QAM	21100	1RB#0	22.46	16.56	33	PASS
Band7	20MHz	64QAM	21100	1RB#49	22.26	16.36	33	PASS
Band7	20MHz	64QAM	21100	1RB#99	22.37	16.47	33	PASS
Band7	20MHz	64QAM	21100	100RB#0	21.31	15.41	33	PASS
Band7	20MHz	64QAM	21350	1RB#0	22.12	16.22	33	PASS
Band7	20MHz	64QAM	21350	1RB#49	22.24	16.34	33	PASS
Band7	20MHz	64QAM	21350	1RB#99	22.25	16.35	33	PASS
Band7	20MHz	64QAM	21350	100RB#0	21.09	15.19	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	5.50	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.54	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.38	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.40	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.38	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.30	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.58	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.56	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.58	13	PASS



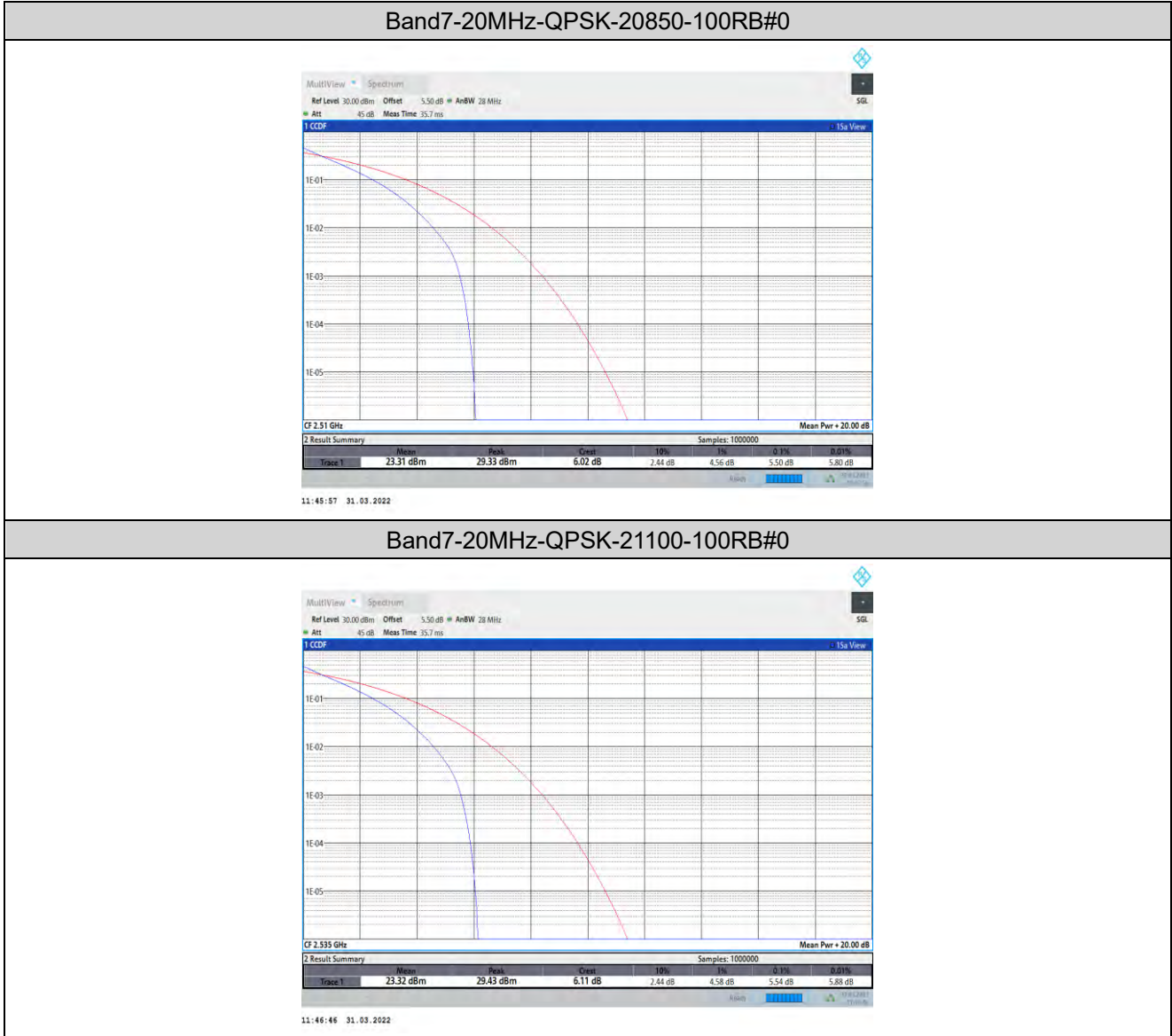
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Test Graphs

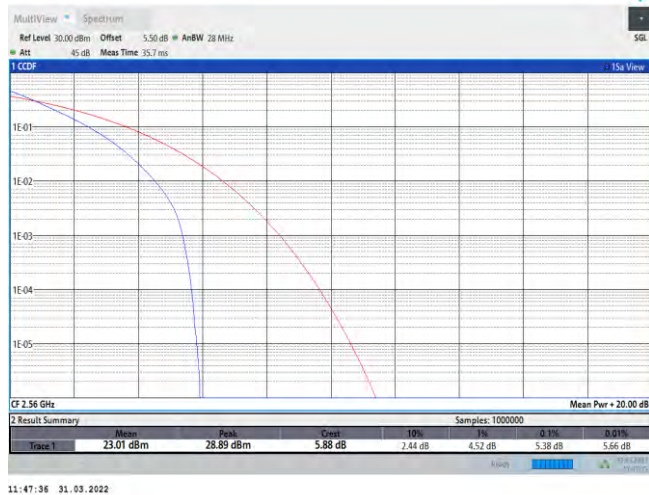


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Band7-20MHz-QPSK-21350-100RB#0



11:47:36 31.03.2022

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



11:46:13 31.03.2022

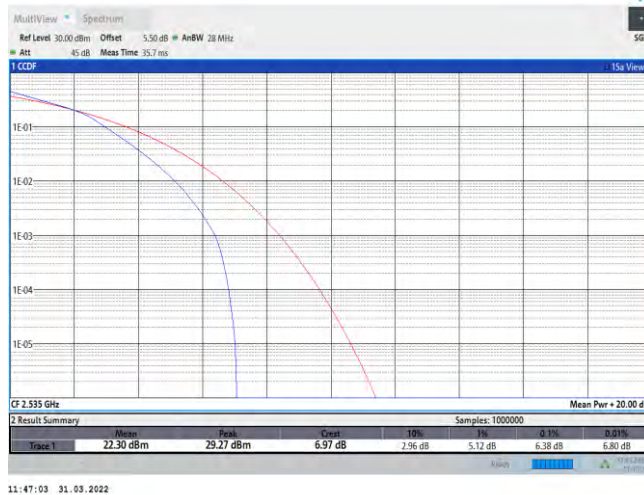


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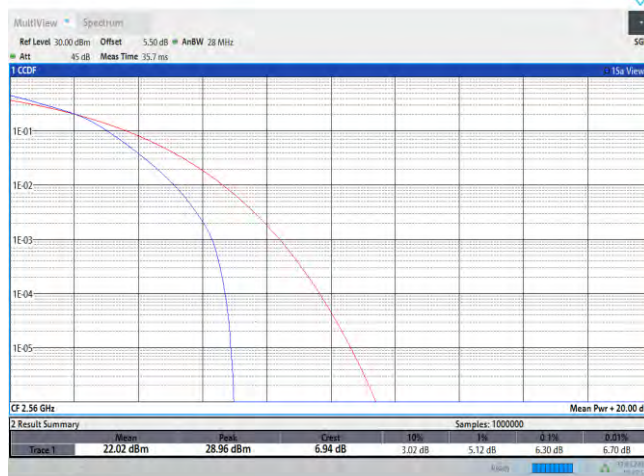
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Band7-20MHz-16QAM-21100-100RB#0



11:47:03 31.03.2022

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



11:47:52 31.03.2022

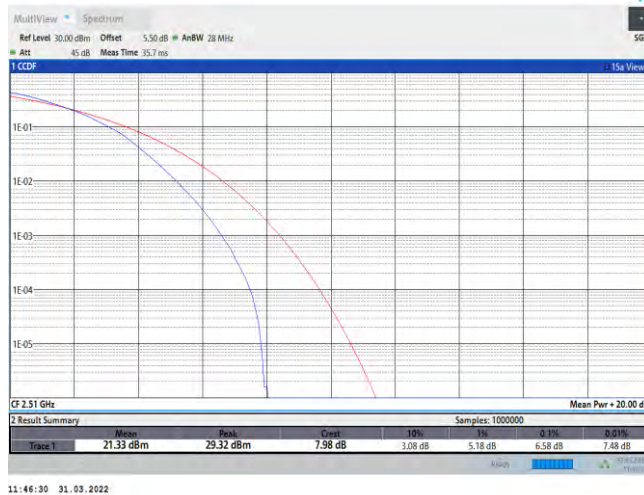


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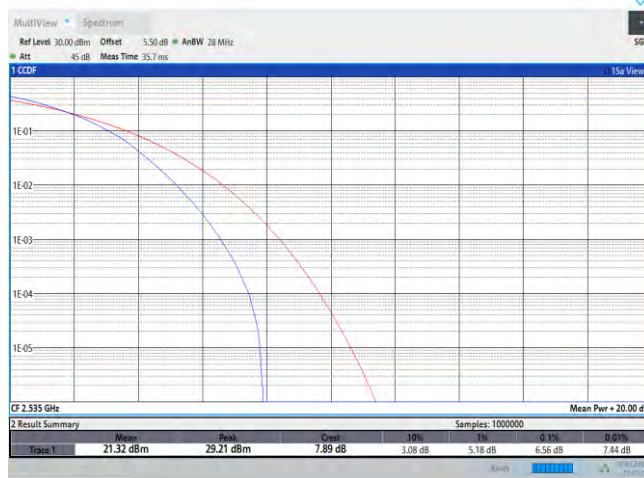
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Band7-20MHz-64QAM-20850-100RB#0



11:46:30 31.03.2022

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



11:47:19 31.03.2022

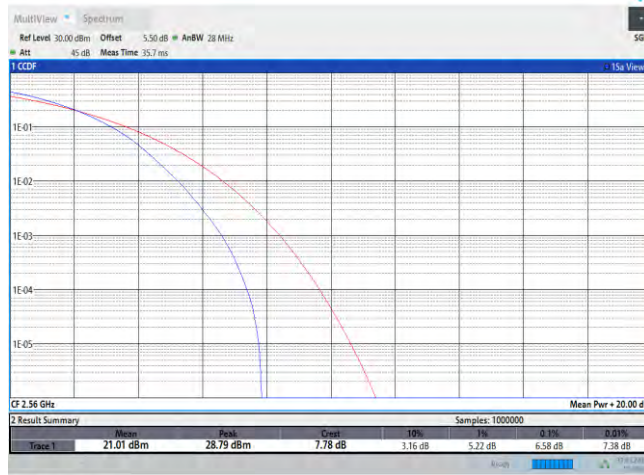


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Band7-20MHz-64QAM-21350-100RB#0



11:48:09 31.03.2022



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Modulation Characteristics

Test Result

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



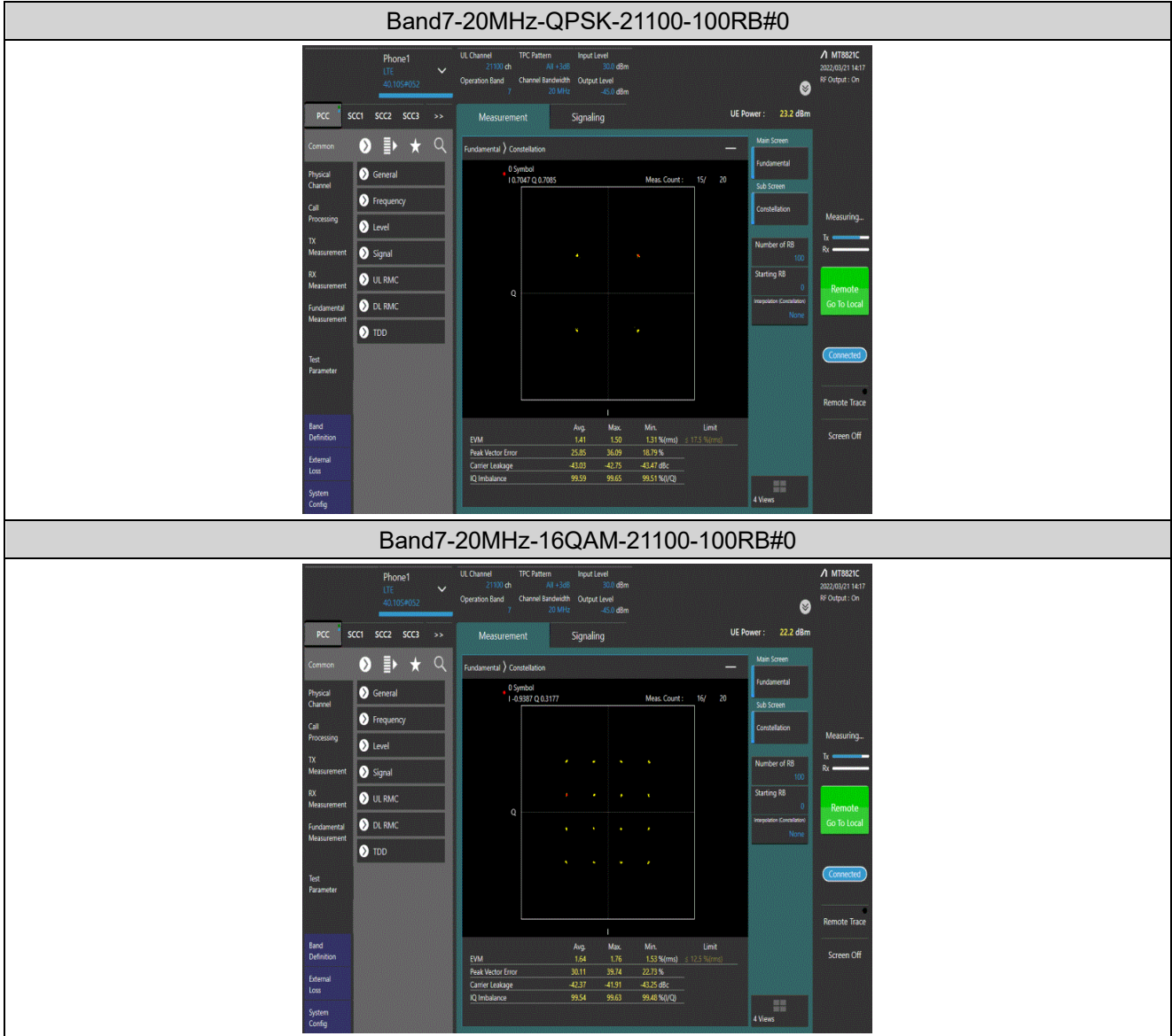
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Test Graphs

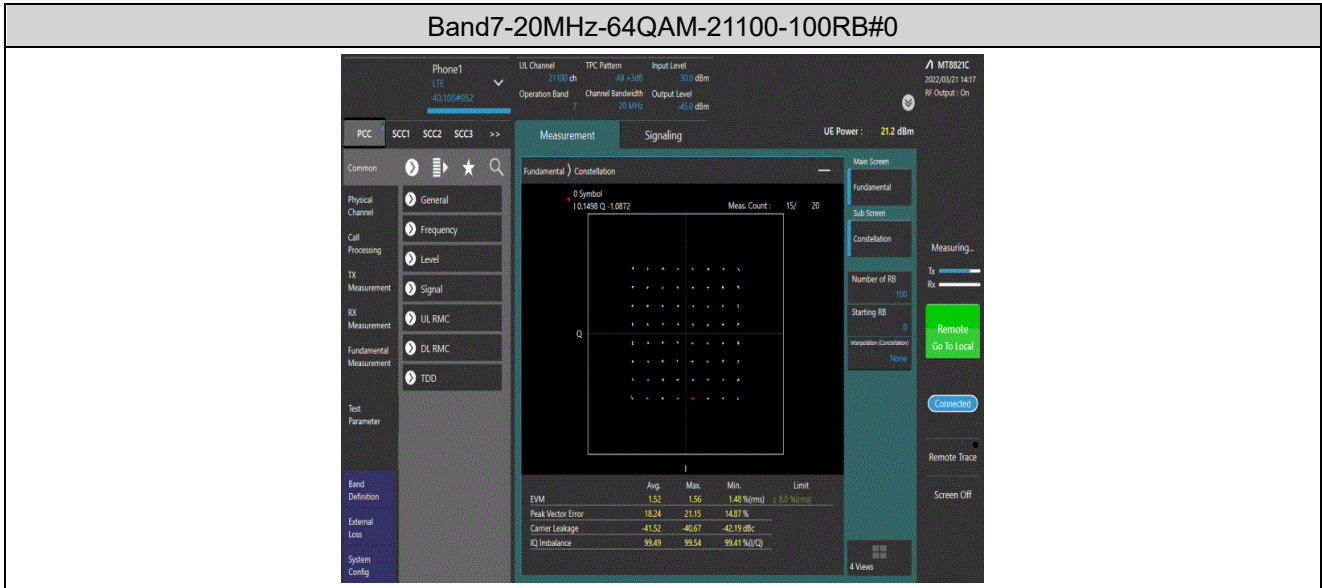


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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.474	4.91	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.473	4.90	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.474	4.89	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.473	4.94	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.471	4.92	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.471	4.93	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.482	4.91	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.478	4.91	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.485	4.90	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.931	9.74	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.931	9.72	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.927	9.66	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.915	9.60	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.918	9.62	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.925	9.62	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.935	9.66	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.935	9.64	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.935	9.64	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.459	14.76	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.478	14.70	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.479	14.67	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.439	14.82	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.456	14.79	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.464	14.70	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.434	14.73	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.452	14.73	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.437	14.70	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.898	19.28	PASS



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Report No.: SEWA2203000005RG01

Rev.: 02

Page: 17 of 55

Band7	20MHz	QPSK	21100	100RB#0	17.947	19.44	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.902	19.40	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.881	19.44	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.913	19.48	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.89	19.32	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.874	19.40	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.925	19.44	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.885	19.56	PASS



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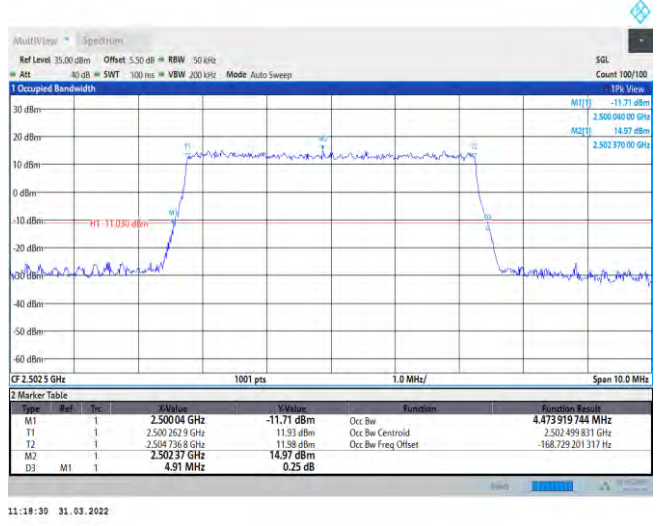
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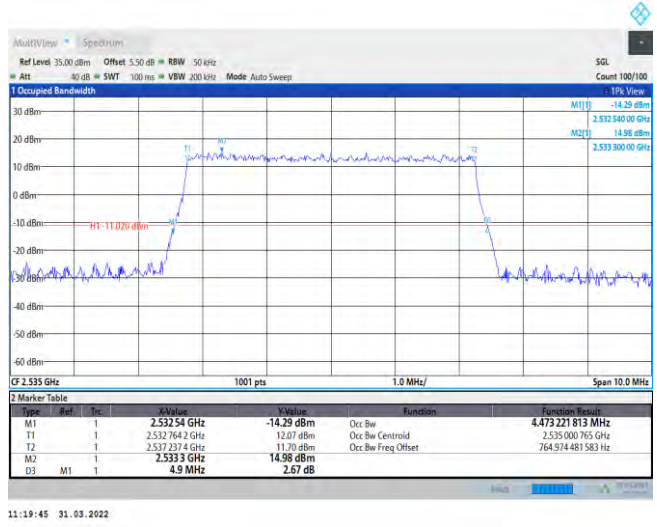
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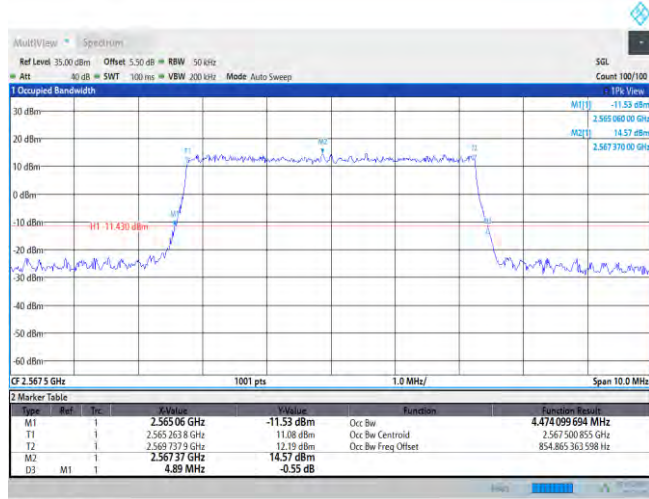


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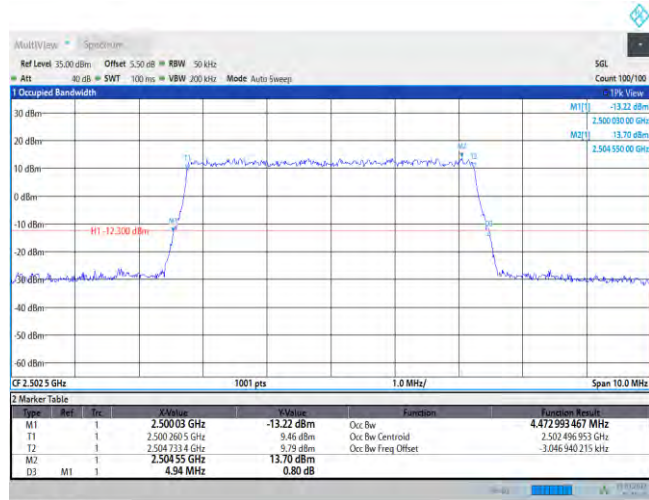
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Band7-5MHz-QPSK-21425-25RB#0



11:21:01 31.03.2022

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



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



11:20:10 31.03.2022

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



11:21:26 31.03.2022



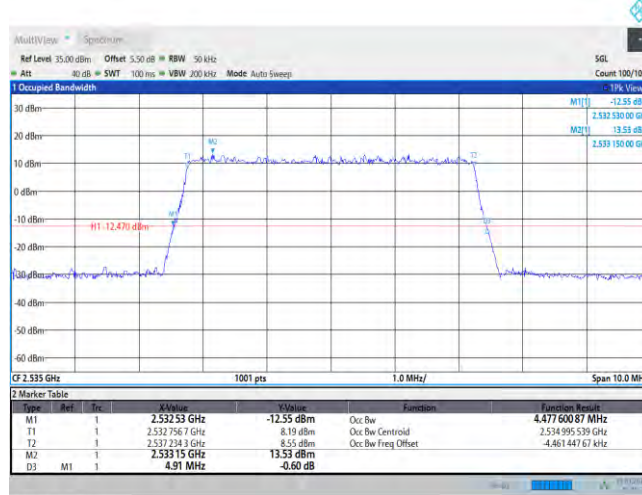
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Band7-5MHz-64QAM-20775-25RB#0



11:19:20 31.03.2022

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



11:20:35 31.03.2022



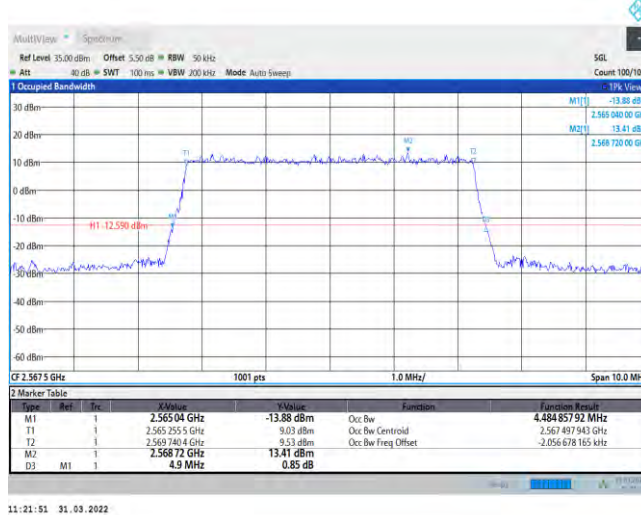
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Band7-5MHz-64QAM-21425-25RB#0



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

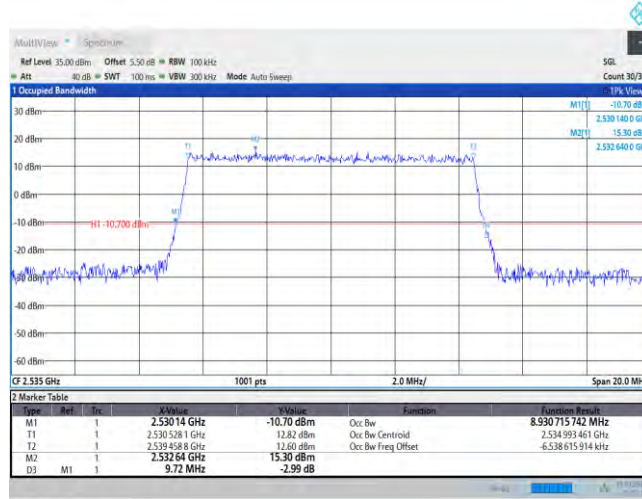


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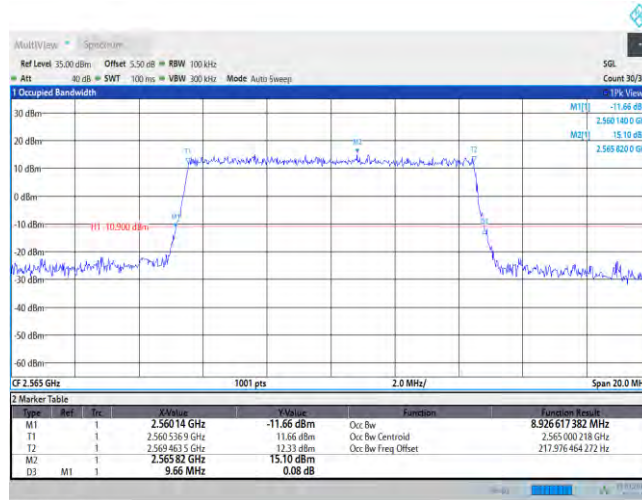
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Band7-10MHz-QPSK-21100-50RB#0



11:23:19 31.03.2022

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



11:24:14 31.03.2022



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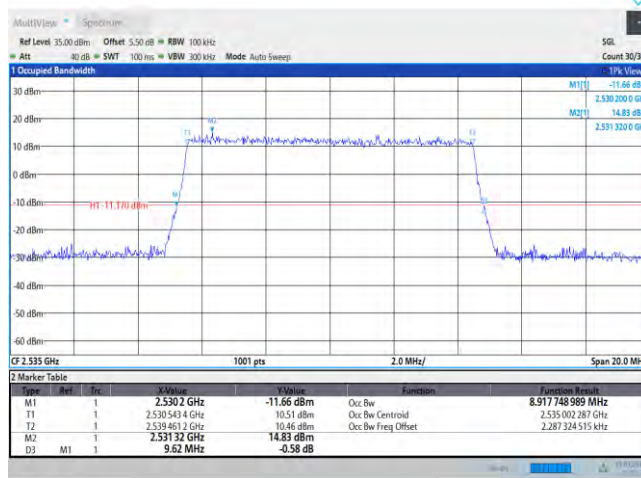
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Band7-10MHz-16QAM-20800-50RB#0



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

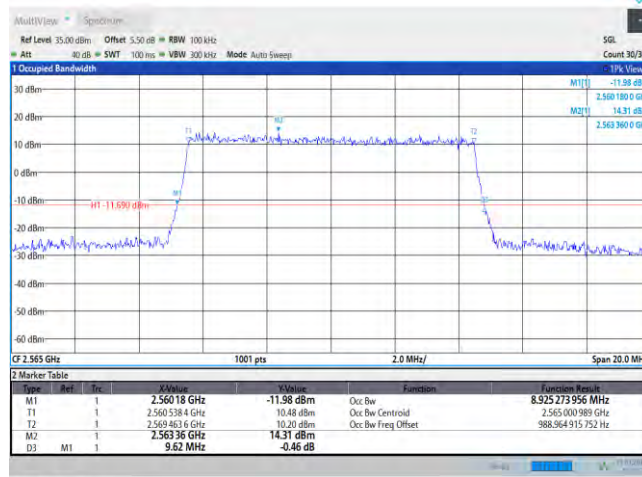


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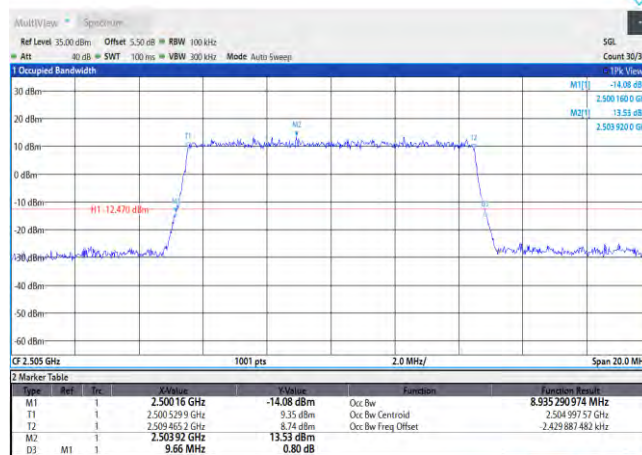
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Band7-10MHz-16QAM-21400-50RB#0



11:24:32 31.03.2022

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



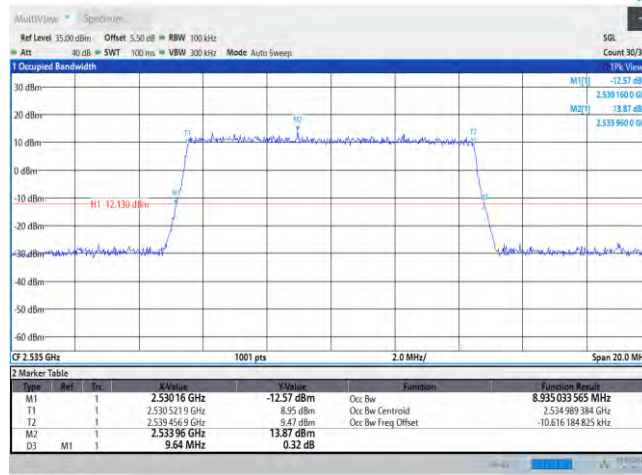
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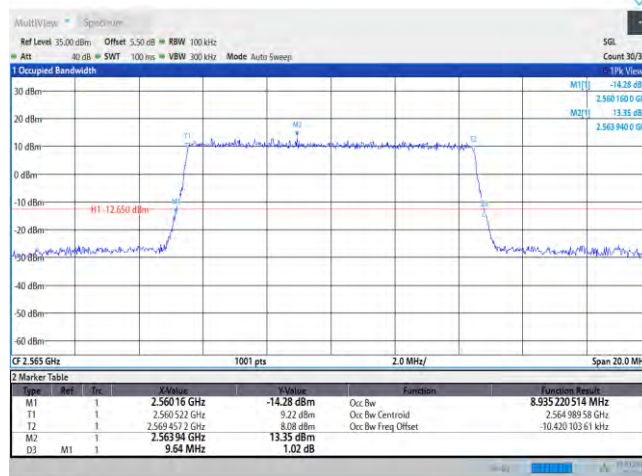
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Band7-10MHz-64QAM-21100-50RB#0



11:23:55 31.03.2022

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



11:24:50 31.03.2022



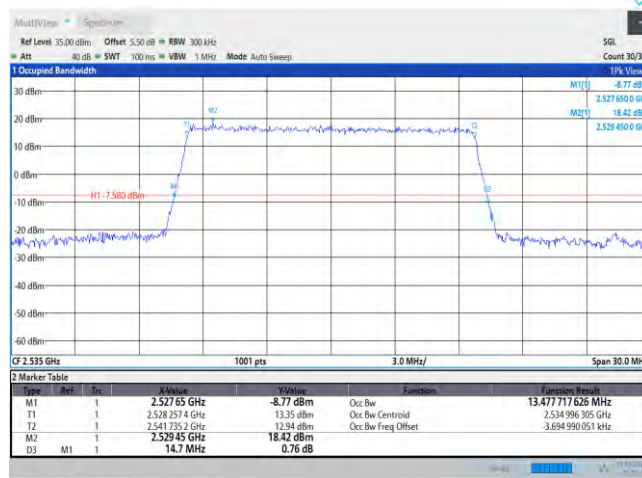
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Band7-15MHz-QPSK-20825-75RB#0



11:25:21 31.03.2022

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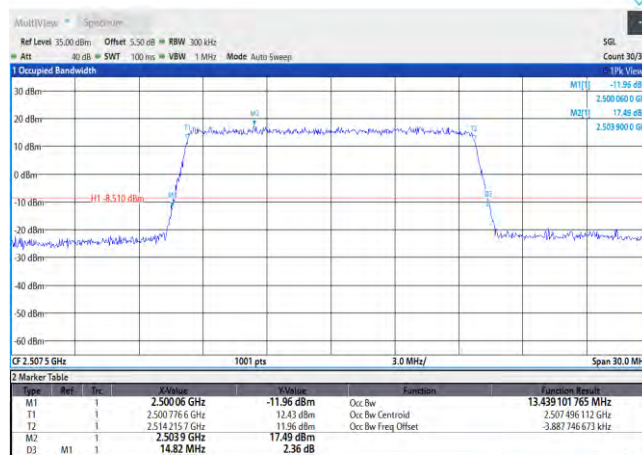
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Band7-15MHz-QPSK-21375-75RB#0



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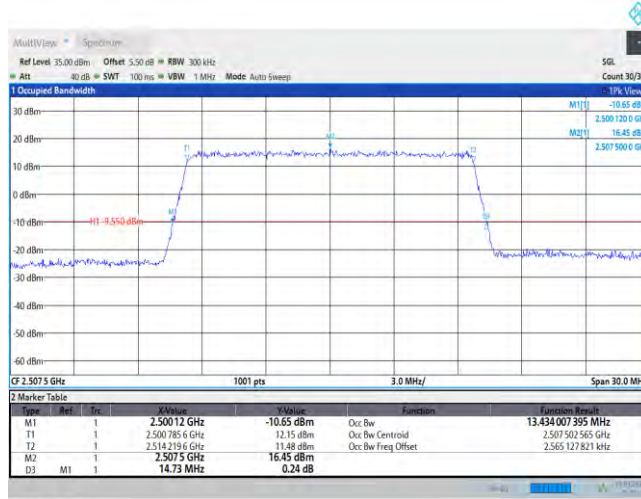


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Band7-15MHz-64QAM-21100-75RB#0



11:26:52 31.03.2022

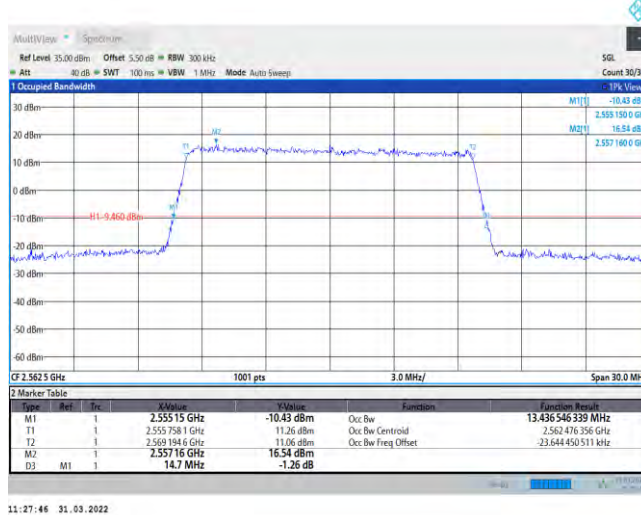


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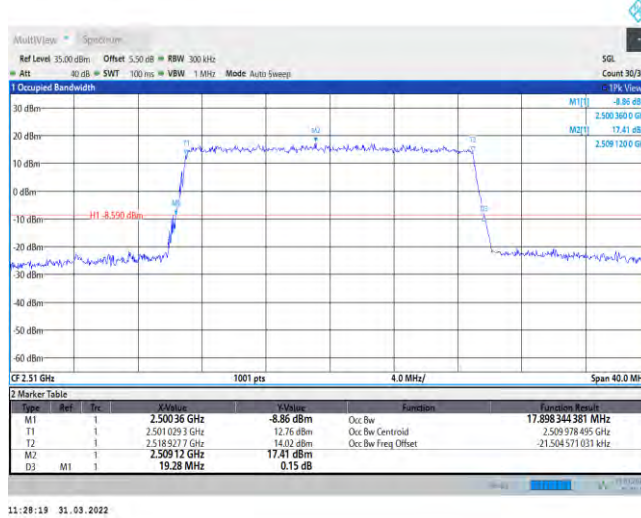
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Band7-15MHz-64QAM-21375-75RB#0



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

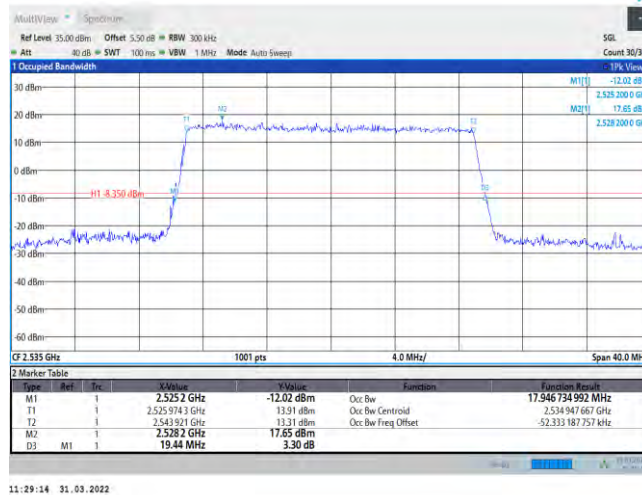


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Band7-20MHz-QPSK-21100-100RB#0



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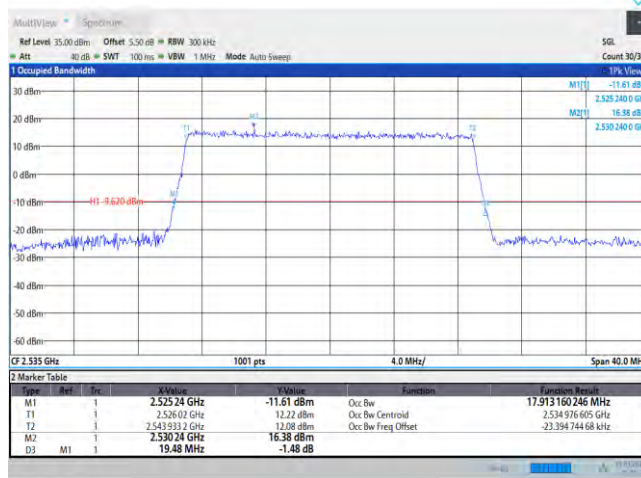
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Band7-20MHz-16QAM-20850-100RB#0



11:28:37 31.03.2022

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



11:29:32 31.03.2022



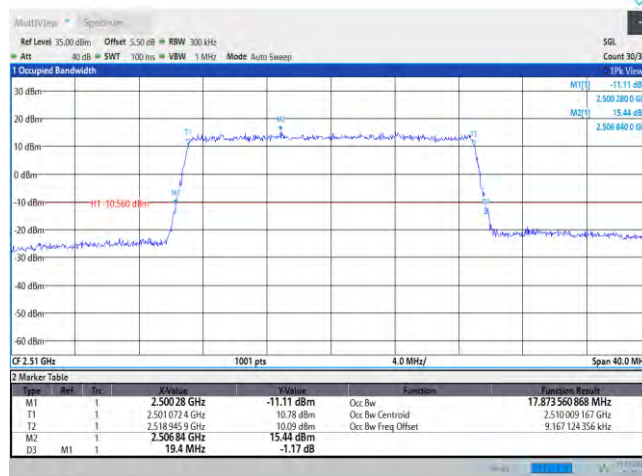
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Band7-20MHz-16QAM-21350-100RB#0



11:30:27 31.03.2022

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



11:28:55 31.03.2022



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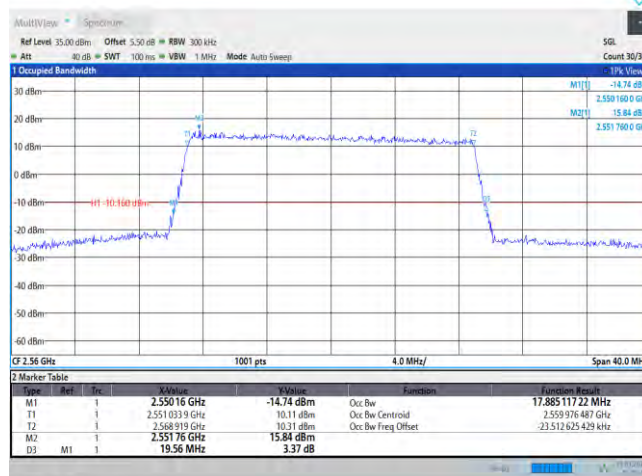
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Band7-20MHz-64QAM-21100-100RB#0



11:29:50 31.03.2022

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



11:30:45 31.03.2022

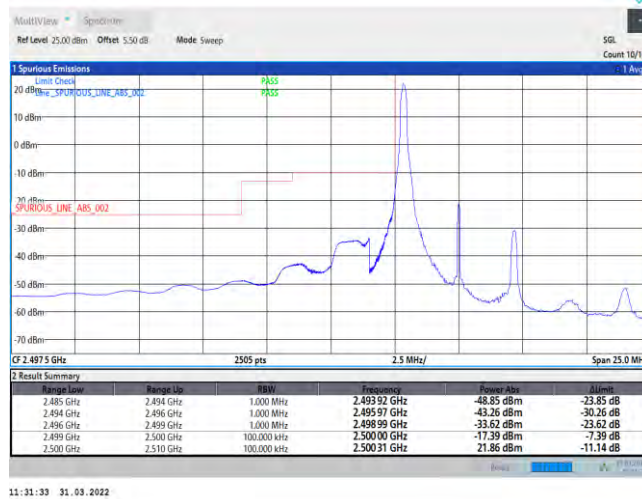


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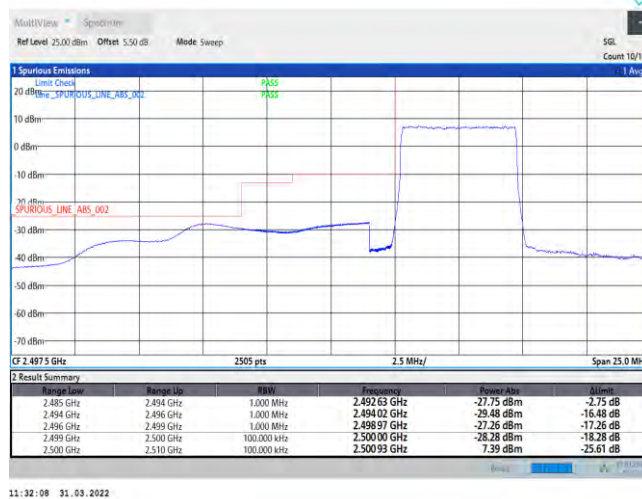
Band Edge
Test Graphs

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



11:31:33 31.03.2022

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

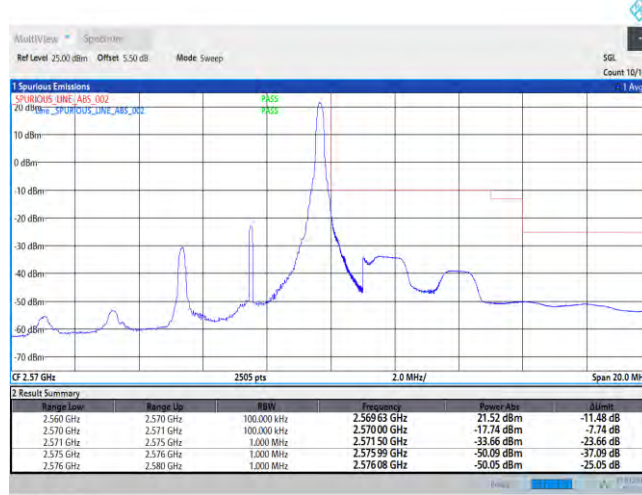


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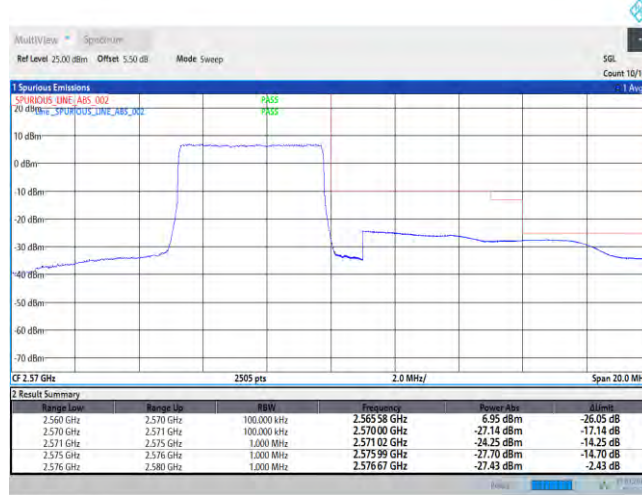
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Band7-5MHz-QPSK-21425-1RB#24



11:33:02 31.03.2022

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



11:33:38 31.03.2022

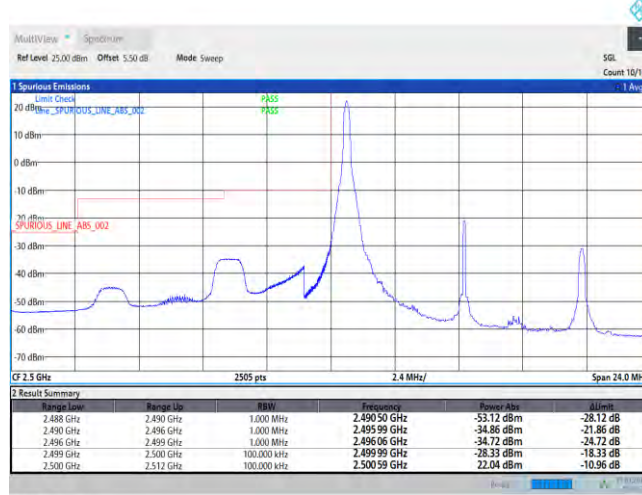


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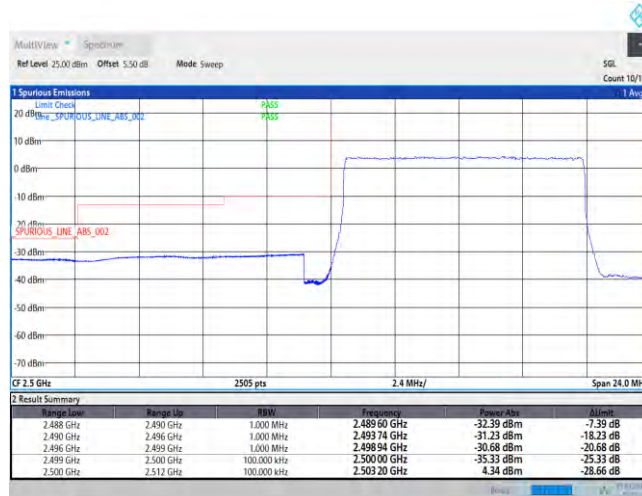
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Band7-10MHz-QPSK-20800-1RB#0



11:34:32 31.03.2022

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

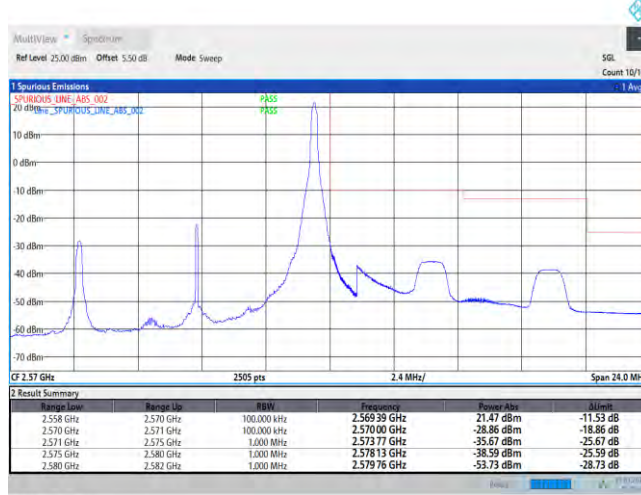


11:35:08 31.03.2022



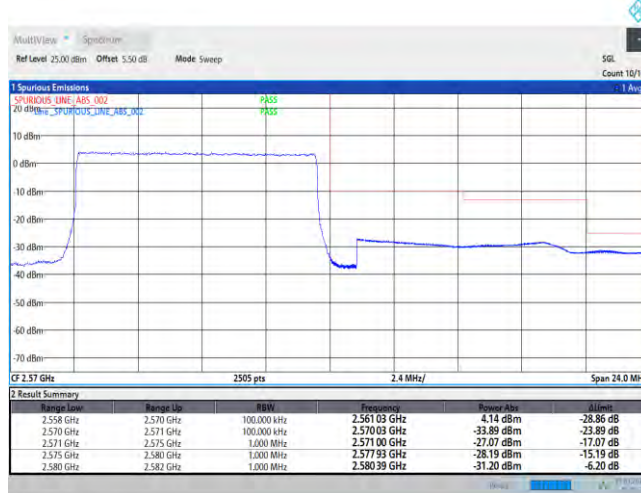
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Band7-10MHz-QPSK-21400-1RB#49



11:36:02 31.03.2022

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

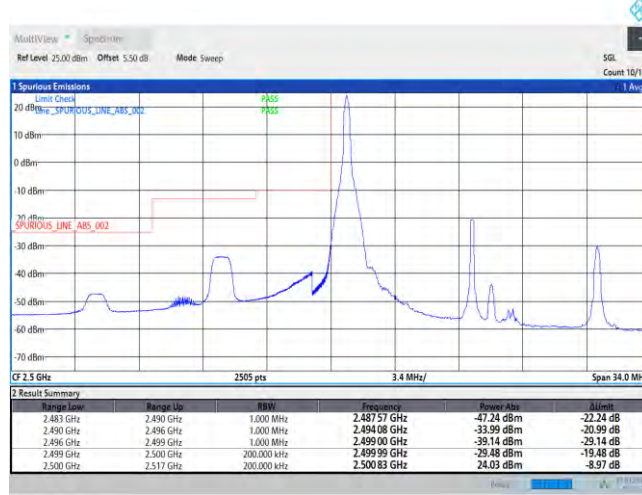


11:36:38 31.03.2022



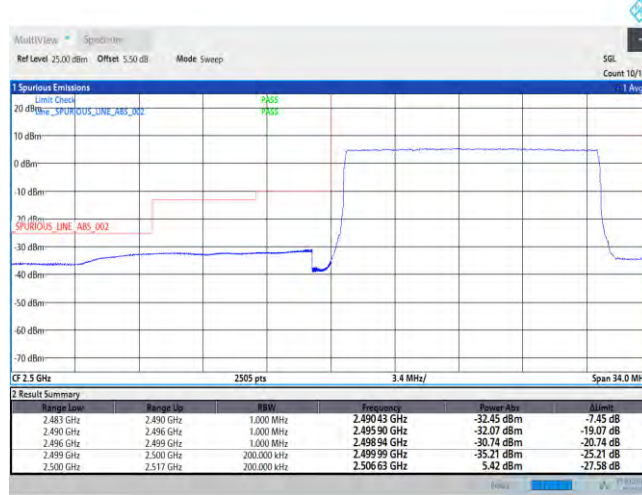
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Band7-15MHz-QPSK-20825-1RB#0



11:37:32 31.03.2022

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



11:38:07 31.03.2022

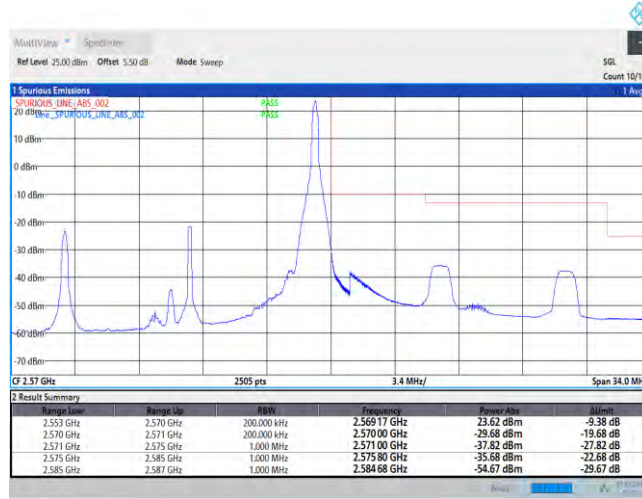


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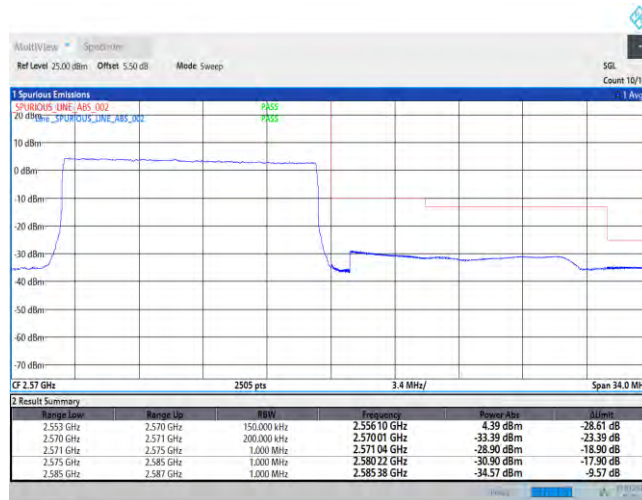
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Band7-15MHz-QPSK-21375-1RB#74



11:38:59 31.03.2022

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

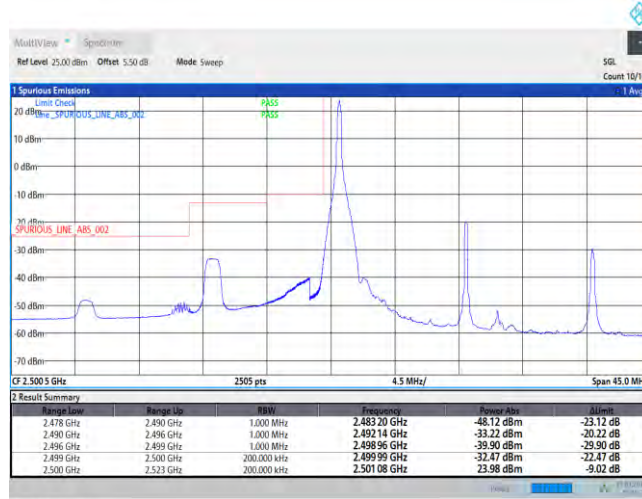


11:39:35 31.03.2022



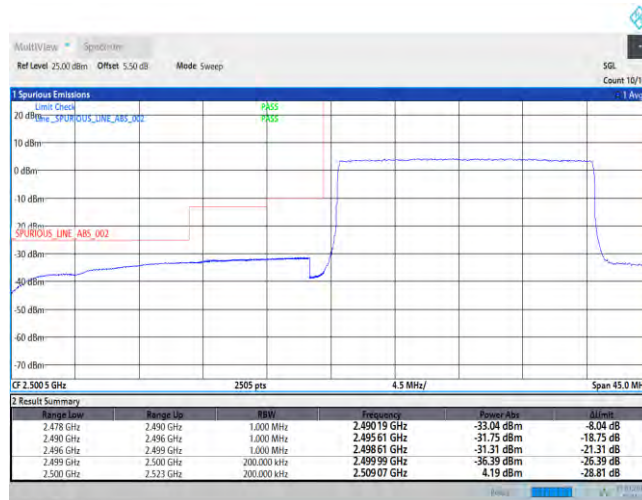
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Band7-20MHz-QPSK-20850-1RB#0



11:40:29 31. 03. 2022

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



11:41:05 31. 03. 2022

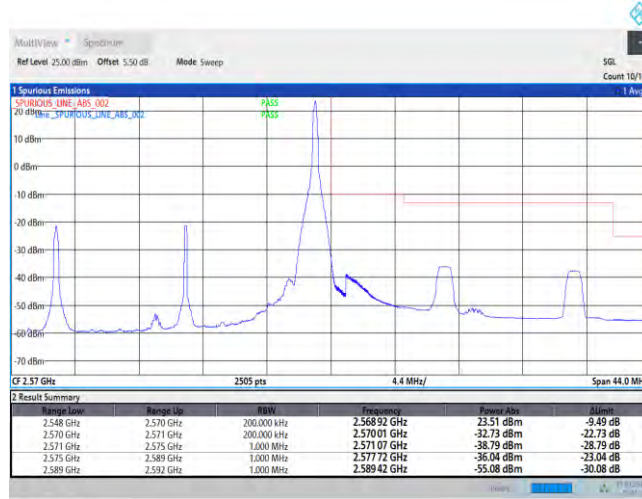


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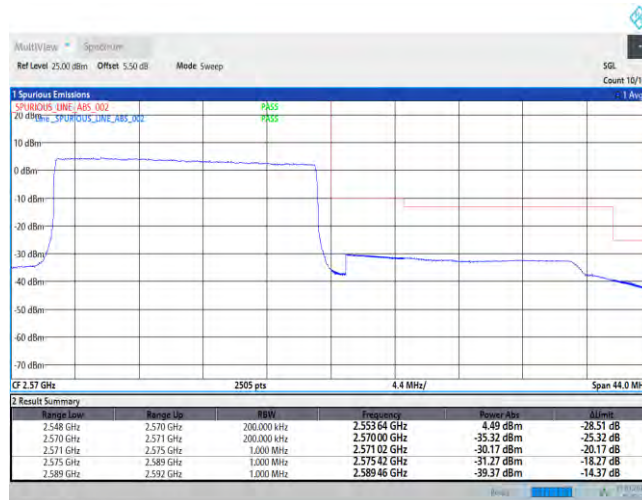
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Band7-20MHz-QPSK-21350-1RB#99



11:41:59 31. 03. 2022

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



11:42:35 31. 03. 2022



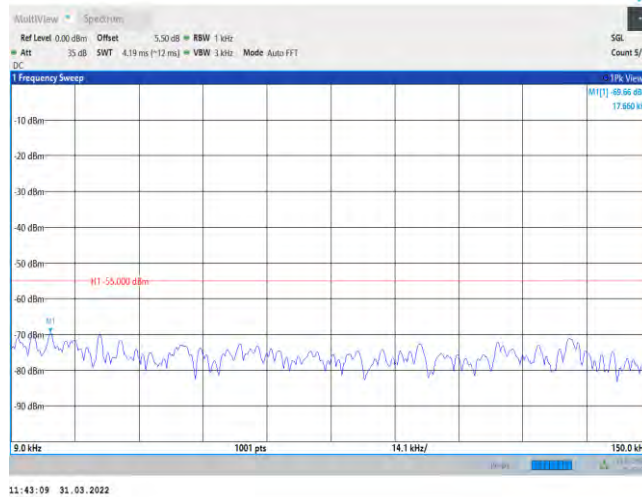
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Conducted Spurious Emission

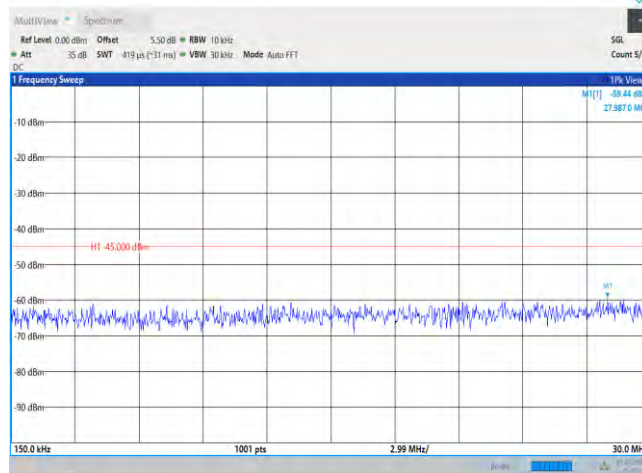
Test Graphs

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



11:43:09 31.03.2022

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

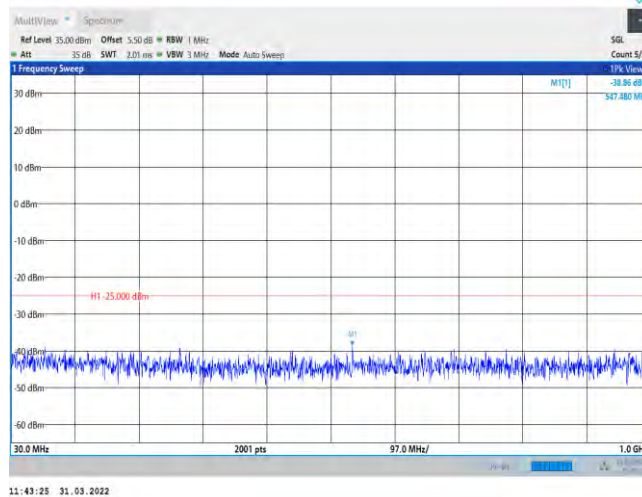


11:43:17 31.03.2022



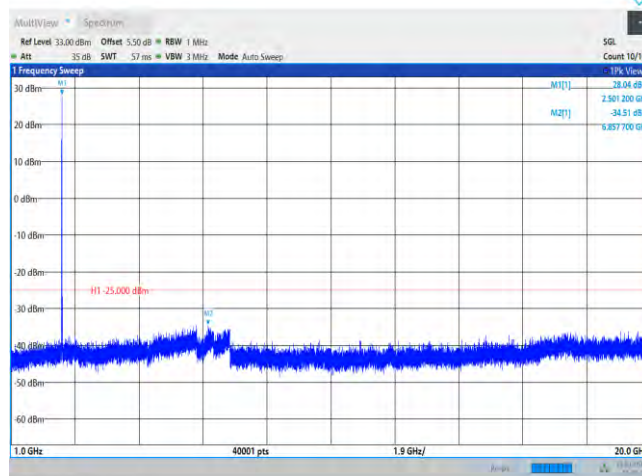
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Band7-20MHz-QPSK-20850-1RB#0-Range3:30~1000MHz



11:43:25 31.03.2022

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



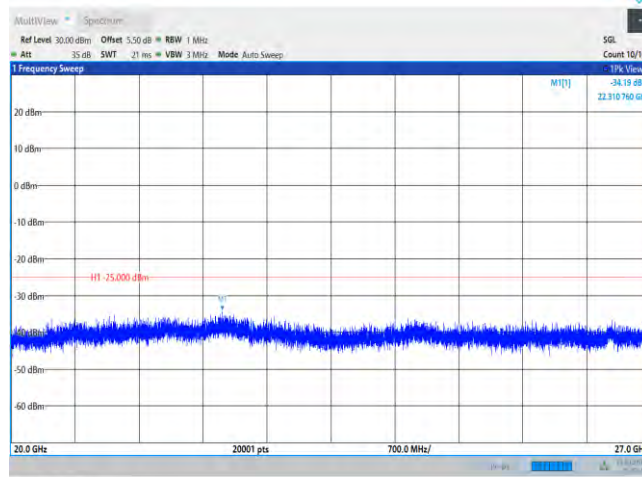
11:43:34 31.03.2022



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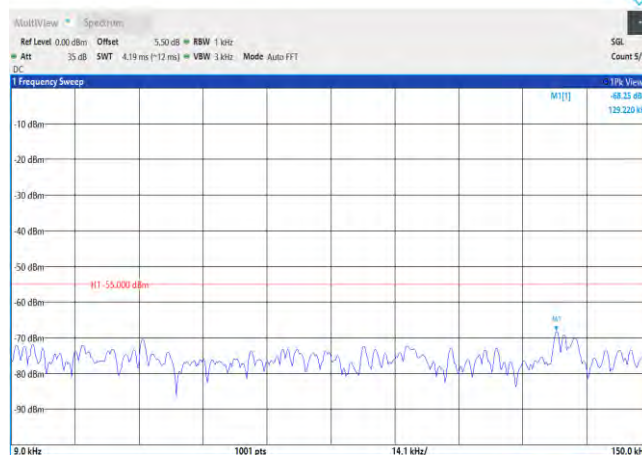
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Band7-20MHz-QPSK-20850-1RB#0-Range5:20000~27000MHz



11:43:43 31. 03. 2022

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



11:44:01 31. 03. 2022



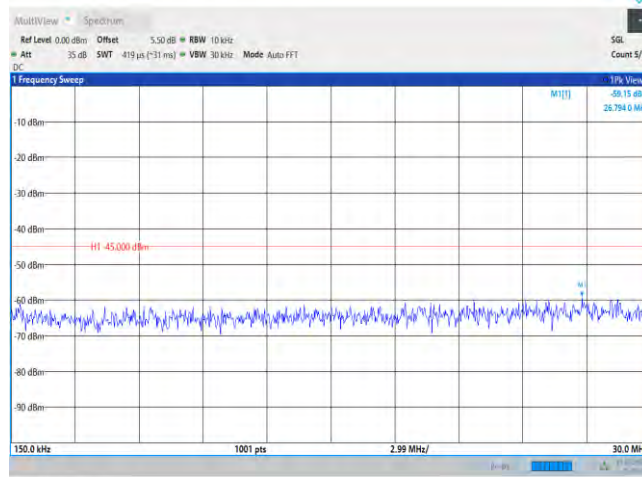
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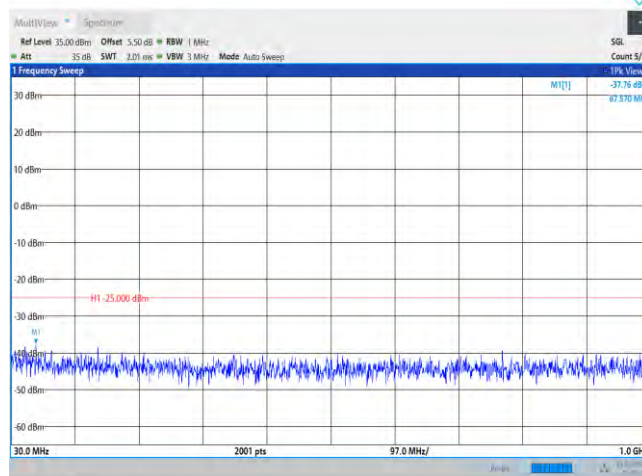
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Band7-20MHz-QPSK-21100-1RB#0-Range2:0.15~30MHz



11:44:09 31.03.2022

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

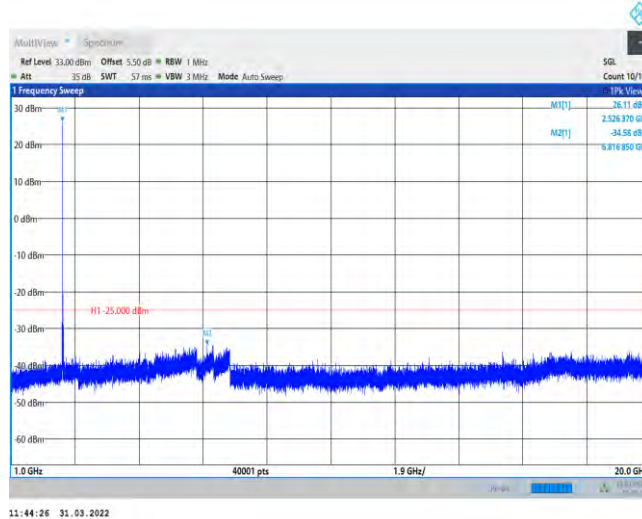


11:44:17 31.03.2022



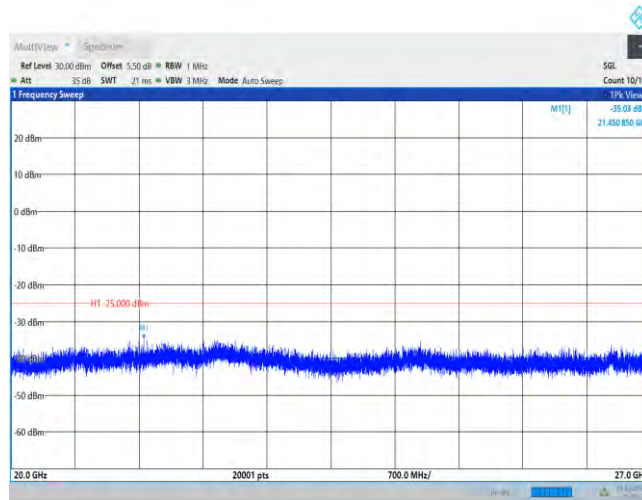
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Band7-20MHz-QPSK-21100-1RB#0-Range4:1000~20000MHz



11:44:26 31.03.2022

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



11:44:35 31.03.2022



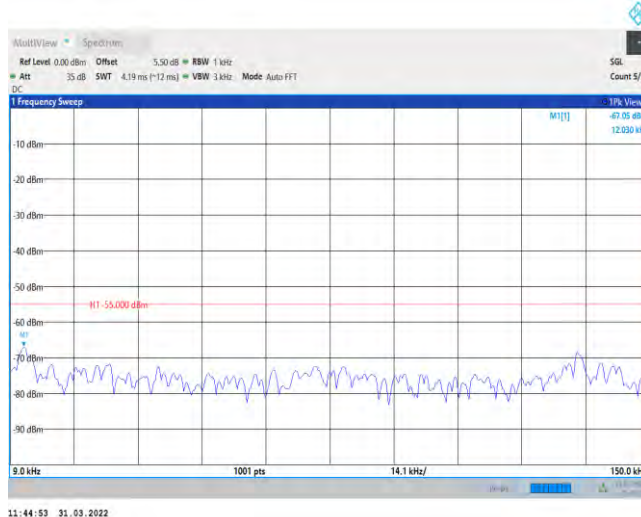
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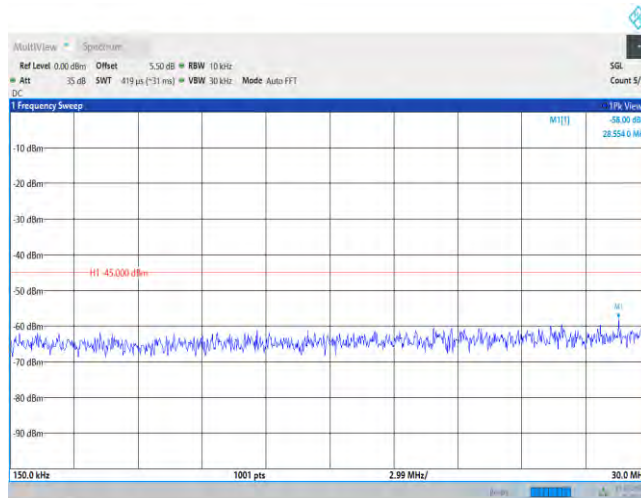
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Band7-20MHz-QPSK-21350-1RB#0-Range1:0.009~0.15MHz



11:44:53 31.03.2022

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

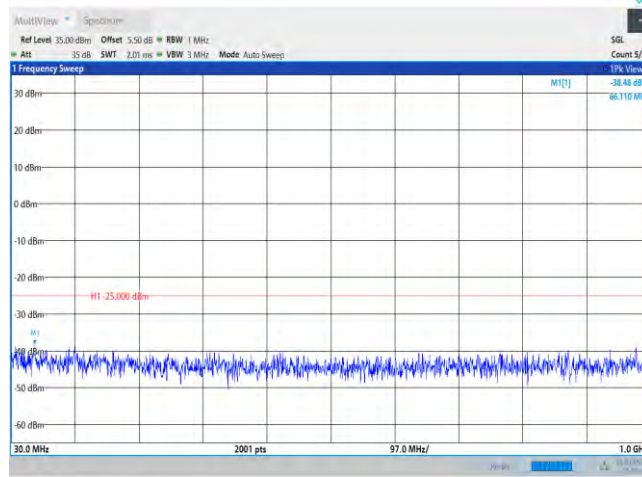


11:45:01 31.03.2022



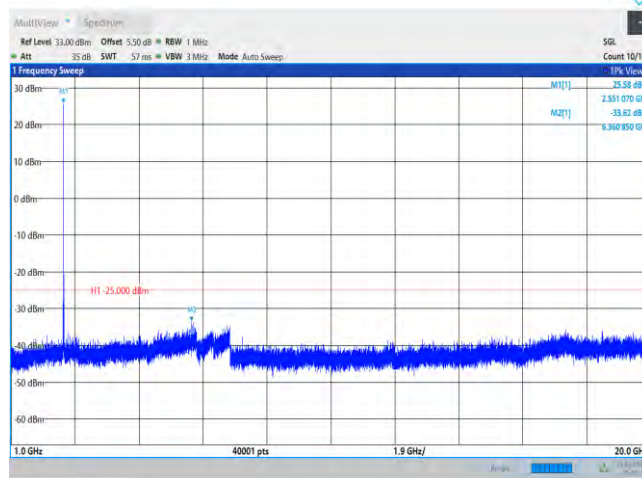
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Band7-20MHz-QPSK-21350-1RB#0-Range3:30~1000MHz



11:45:10 31. 03. 2022

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

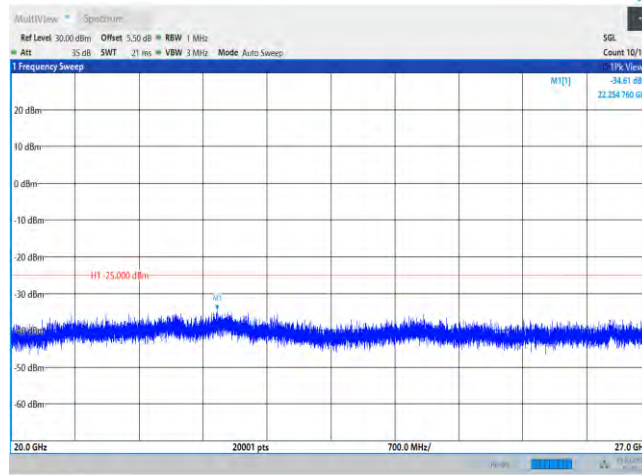


11:45:19 31. 03. 2022



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



11:45:27 31. 03. 2022



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Field Strength of Spurious Radiation

Test Band = _Band7 TM1

Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.1800	62.26	-108.01	-45.75	-25.00	20.75	142	98	Horizontal
2	7503	52.55	-101.96	-49.41	-25.00	24.41	236	212	Horizontal
3	10004.3600	43.70	-96.00	-52.30	-25.00	27.30	196	359	Horizontal
4	12505.4500	43.88	-93.07	-49.19	-25.00	24.19	172	155	Horizontal
5	15006.5400	41.86	-90.70	-48.84	-25.00	23.84	254	255	Horizontal
6	17507.6300	42.31	-90.99	-48.68	-25.00	23.68	190	212	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.1800	69.15	-108.01	-38.86	-25.00	13.86	105	84	Vertical
2	7503	57.39	-101.96	-44.57	-25.00	19.57	168	96	Vertical
3	10004.3600	45.63	-96.00	-50.37	-25.00	25.37	174	252	Vertical
4	12505.4500	49.31	-93.07	-43.76	-25.00	18.76	159	145	Vertical
5	15006.5400	40.79	-90.70	-49.91	-25.00	24.91	186	252	Vertical
6	17507.6300	41.29	-90.99	-49.70	-25.00	24.70	142	124	Vertical



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Test Band = _Band7 TM1
 Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5052.1800	57.91	-107.85	-49.94	-25.00	24.94	144	100	Horizontal
2	7578.2700	47.94	-101.83	-53.89	-25.00	28.89	195	360	Horizontal
3	10104.3600	44.39	-95.74	-51.35	-25.00	26.35	182	43	Horizontal
4	12630.4500	42.88	-93.26	-50.38	-25.00	25.38	201	359	Horizontal
5	15156.5400	40.82	-90.62	-49.80	-25.00	24.80	254	29	Horizontal
6	17682.6300	42.33	-89.09	-46.76	-25.00	21.76	173	185	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5052	65.64	-107.85	-42.21	-25.00	17.21	222	96	Vertical
2	7578.2700	54.32	-101.83	-47.51	-25.00	22.51	259	81	Vertical
3	10104.3600	46.43	-95.74	-49.31	-25.00	24.31	148	358	Vertical
4	12630.4500	44.00	-93.26	-49.26	-25.00	24.26	159	347	Vertical
5	15156.5400	40.52	-90.62	-50.10	-25.00	25.10	126	360	Vertical
6	17682.6300	42.03	-89.09	-47.06	-25.00	22.06	234	24	Vertical



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Test Band = _Band7 TM1

Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5102.1800	64.57	-107.69	-43.12	-25.00	18.12	302	84	Horizontal
2	7653.2700	48.02	-101.80	-53.78	-25.00	28.78	174	84	Horizontal
3	10204.3600	46.11	-95.93	-49.82	-25.00	24.82	185	170	Horizontal
4	12755.4500	42.92	-92.47	-49.55	-25.00	24.55	196	198	Horizontal
5	15306.5400	40.64	-90.80	-50.16	-25.00	25.16	124	269	Horizontal
6	17857.6300	41.38	-88.58	-47.20	-25.00	22.20	126	98	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5102.1800	70.33	-107.69	-37.36	-25.00	12.36	177	85	Vertical
2	7653.2700	50.29	-101.80	-51.51	-25.00	26.51	184	128	Vertical
3	10204.3600	46.81	-95.93	-49.12	-25.00	24.12	190	158	Vertical
4	12755.4500	43.59	-92.47	-48.88	-25.00	23.88	124	233	Vertical
5	15306.5400	40.61	-90.80	-50.19	-25.00	25.19	186	4	Vertical
6	17857.6300	42.25	-88.58	-46.33	-25.00	21.33	238	355	Vertical



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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	5.00	0.001972	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	0.20	0.000079	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-1.40	-0.000552	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-2.50	-0.000986	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	1.30	0.000513	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-2.40	-0.000947	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-7.40	-0.002919	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-2.50	-0.000986	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-5.20	-0.002051	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-2.80	-0.001105	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-0.10	-0.000039	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	1.10	0.000434	PASS

The End



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