

Report No.: SEWM2304000115RG04

Rev.: 01

Page: 1 of 55

Appendix B.5

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	22.72	23.14	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.85	23.27	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.70	23.12	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.85	22.27	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.64	23.06	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.78	23.20	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.58	23.00	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.72	22.14	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.61	23.03	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.81	23.23	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.59	23.01	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.69	22.11	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.99	22.41	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.09	22.51	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.92	22.34	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.85	21.27	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.93	22.35	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.98	22.40	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.85	22.27	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.70	21.12	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.84	22.26	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.94	22.36	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.82	22.24	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.69	21.11	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	20.88	21.30	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	21.05	21.47	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	20.87	21.29	33.00	PASS



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Band7	5MHz	64QAM	20775	25RB#0	19.85	20.27	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	20.81	21.23	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	20.91	21.33	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	20.71	21.13	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	19.70	20.12	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	20.76	21.18	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	20.94	21.36	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	20.74	21.16	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	19.70	20.12	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.72	23.14	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.70	23.12	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.65	23.07	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.82	22.24	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.62	23.04	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.61	23.03	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.55	22.97	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.72	22.14	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.57	22.99	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.60	23.02	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.53	22.95	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.66	22.08	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.91	22.33	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.99	22.41	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.87	22.29	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.80	21.22	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.89	22.31	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.80	22.22	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.82	22.24	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.69	21.11	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.91	22.33	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.90	22.32	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.77	22.19	33.00	PASS



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Band7	10MHz	16QAM	21400	50RB#0	20.66	21.08	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	20.75	21.17	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	20.85	21.27	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	20.75	21.17	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	19.78	20.20	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	20.78	21.20	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#24	20.76	21.18	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	20.67	21.09	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	19.69	20.11	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	20.75	21.17	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	20.81	21.23	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	20.71	21.13	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	19.66	20.08	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.64	23.06	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.61	23.03	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.64	23.06	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.79	22.21	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.60	23.02	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.57	22.99	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.51	22.93	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.72	22.14	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.56	22.98	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.59	23.01	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.52	22.94	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.66	22.08	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.91	22.33	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.76	22.18	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.92	22.34	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.76	21.18	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.76	22.18	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.79	22.21	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.71	22.13	33.00	PASS



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Band7	15MHz	16QAM	21100	75RB#0	20.71	21.13	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.74	22.16	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.76	22.18	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.74	22.16	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.66	21.08	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	20.80	21.22	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	20.90	21.32	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	20.85	21.27	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	19.76	20.18	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	20.82	21.24	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	20.70	21.12	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	20.65	21.07	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	19.69	20.11	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	20.69	21.11	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#38	20.77	21.19	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	20.65	21.07	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	19.64	20.06	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.66	23.08	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.80	23.22	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.61	23.03	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.76	22.18	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.57	22.99	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.65	23.07	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.48	22.90	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.70	22.12	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.47	22.89	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.60	23.02	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.46	22.88	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.67	22.09	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.81	22.23	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.06	22.48	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.85	22.27	33.00	PASS



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Band7	20MHz	16QAM	20850	100RB#0	20.72	21.14	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.90	22.32	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.77	22.19	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.66	22.08	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.69	21.11	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.76	22.18	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.82	22.24	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.79	22.21	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.66	21.08	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	20.80	21.22	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	20.91	21.33	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	20.81	21.23	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	19.73	20.15	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	20.74	21.16	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	20.81	21.23	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	20.57	20.99	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	19.71	20.13	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#0	20.60	21.02	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#49	20.80	21.22	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	20.63	21.05	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	19.64	20.06	33.00	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	5.24	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.04	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.40	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.10	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.84	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.22	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.26	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.24	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.36	13	PASS



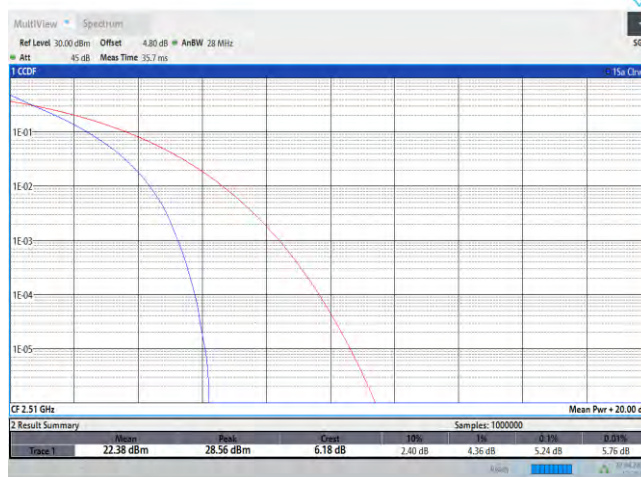
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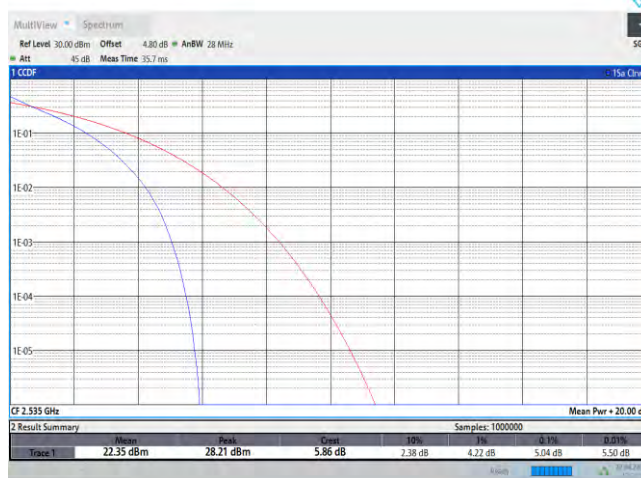
Test Graphs

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



17:32:47 27.04.2023

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



17:33:36 27.04.2023



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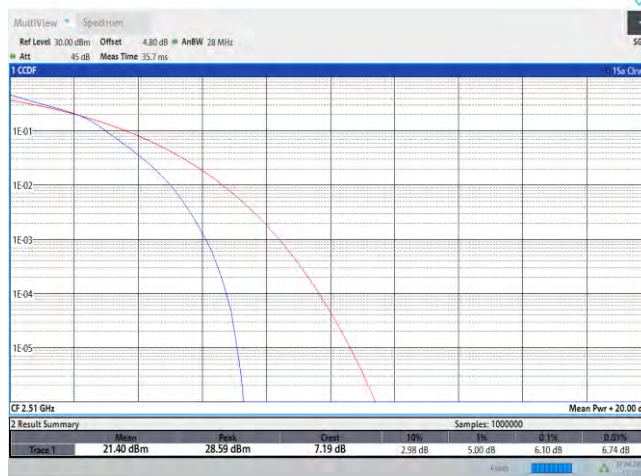
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Band7-20MHz-QPSK-21350-100RB#0



17:34:25 27.04.2023

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



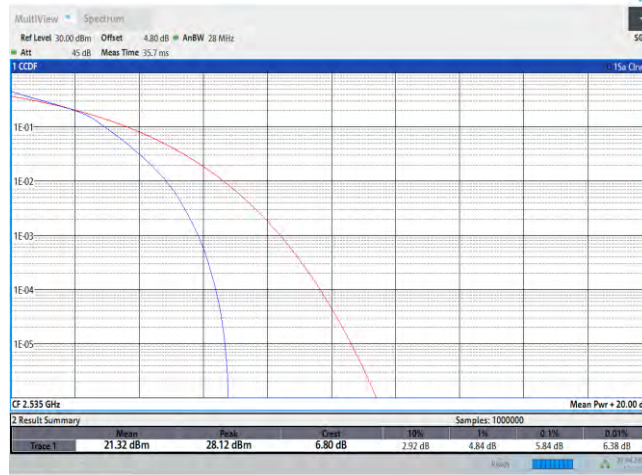
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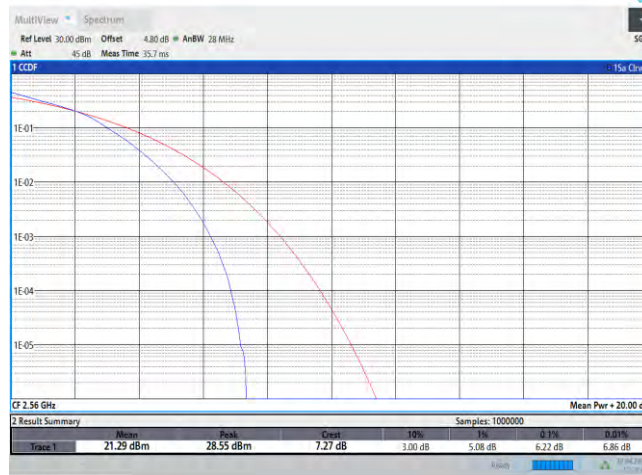
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Band7-20MHz-16QAM-21100-100RB#0



17:33:52 27.04.2023

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



17:34:41 27.04.2023

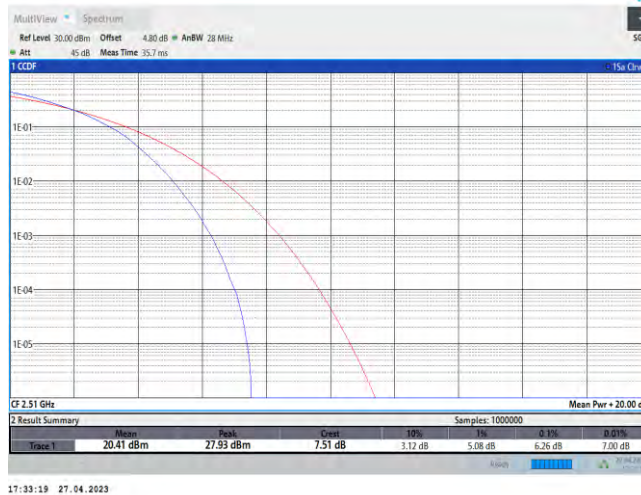


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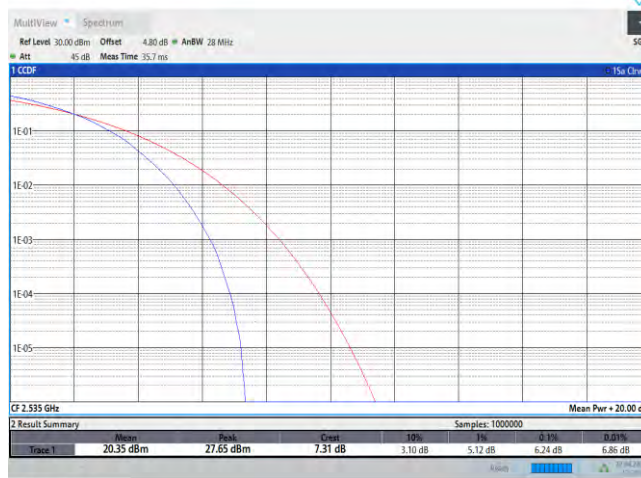
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Band7-20MHz-64QAM-20850-100RB#0



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



17:34:08 27.04.2023

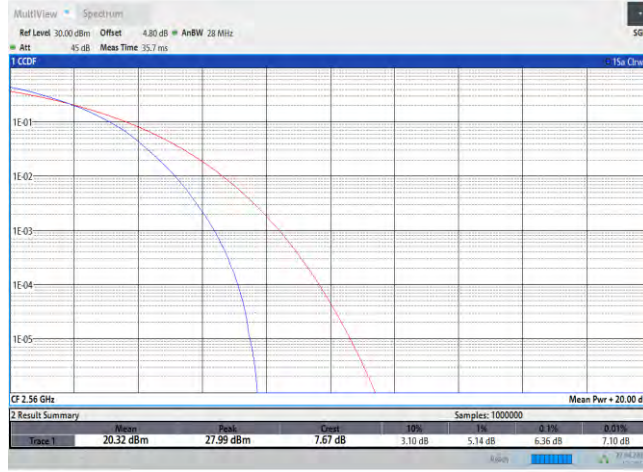


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Band7-20MHz-64QAM-21350-100RB#0



17:34:58 27-04-2023



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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



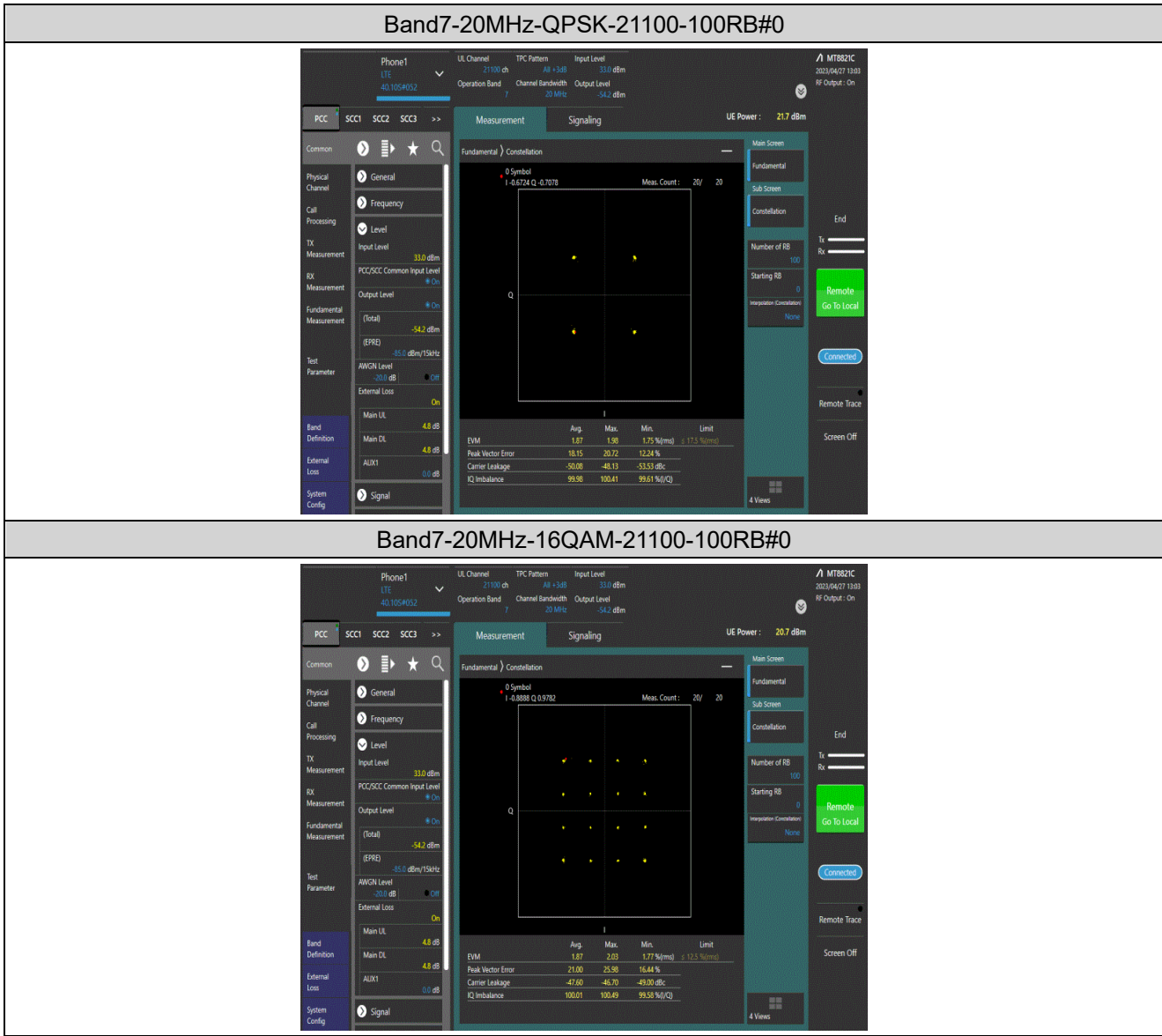
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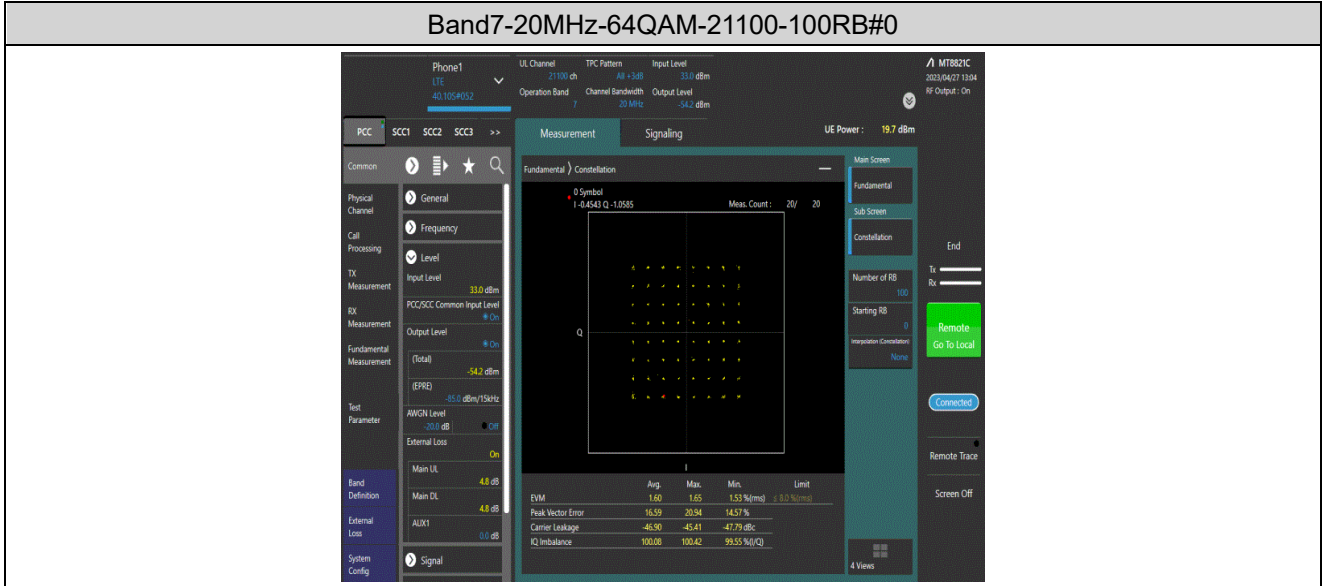
Test Graphs



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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	4.478	4.81	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.459	4.85	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.459	4.78	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.474	4.74	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.468	4.81	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.459	4.82	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.490	4.85	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.472	4.76	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.471	4.78	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.985	9.54	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.939	9.52	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.942	9.60	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.937	9.46	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.935	9.52	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.913	9.52	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.936	9.38	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.934	9.54	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.935	9.62	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.502	14.61	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.502	14.64	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.490	14.49	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.504	14.49	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.492	14.58	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.458	14.55	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.478	14.85	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.464	14.52	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.428	14.40	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.891	18.96	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.947	19.32	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.882	18.88	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.920	19.04	PASS



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Report No.: SEWM2304000115RG04

Rev.: 01

Page: 17 of 55

Band7	20MHz	16QAM	21100	100RB#0	17.882	18.96	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.874	19.04	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.868	19.04	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.874	19.16	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.876	18.96	PASS



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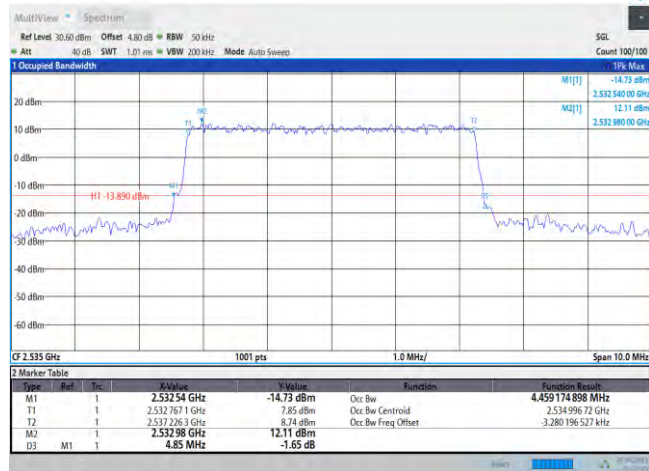
Test Graphs

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



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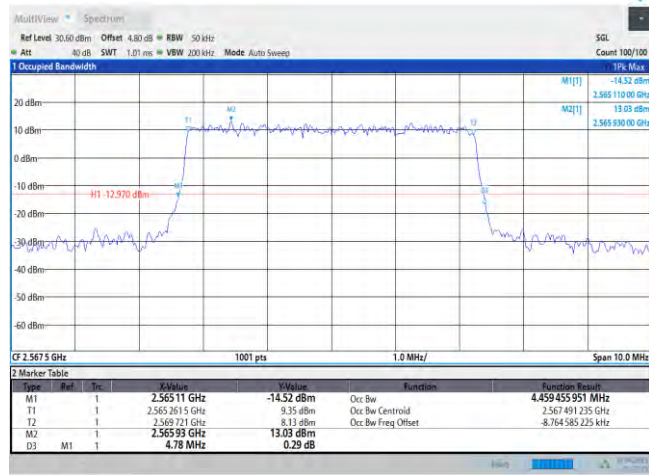
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Band7-5MHz-QPSK-21425-25RB#0



16:37:23 27.04.2023

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



16:36:17 27.04.2023

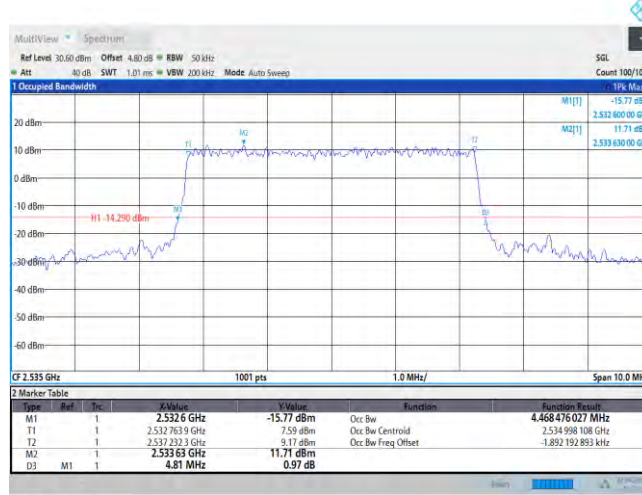


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Band7-5MHz-16QAM-21100-25RB#0



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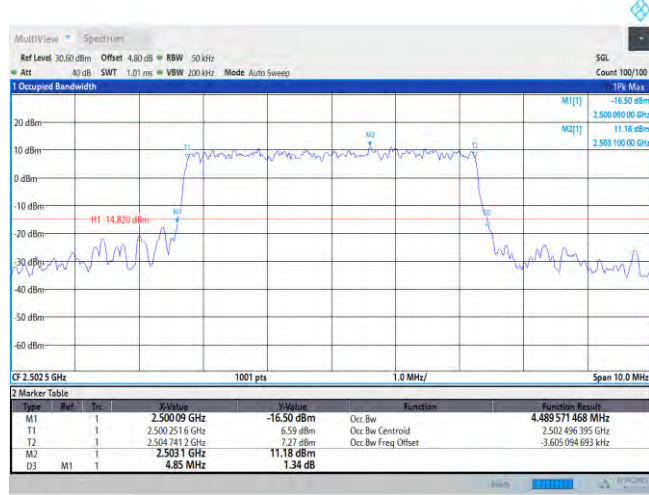
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Band7-5MHz-64QAM-20775-25RB#0



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



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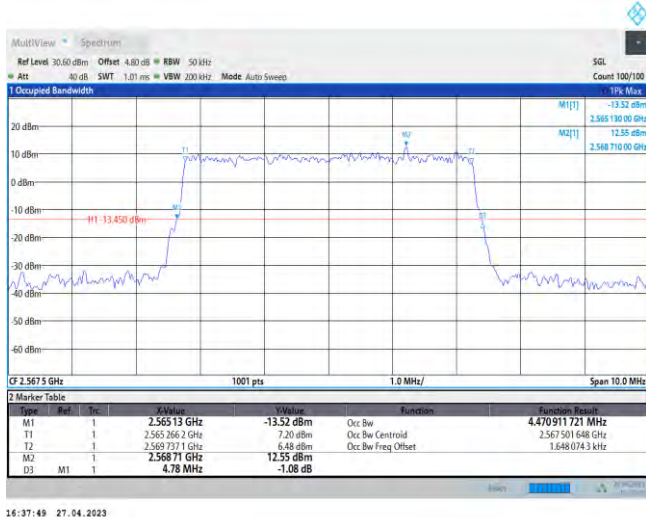


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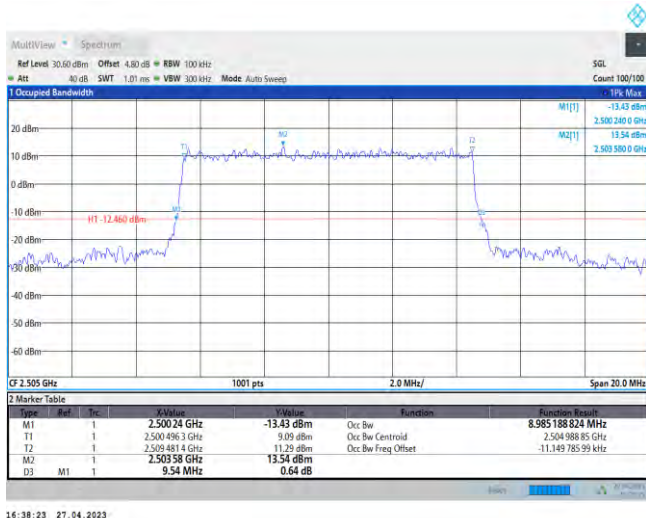
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Band7-5MHz-64QAM-21425-25RB#0



16:37:49 27.04.2023

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



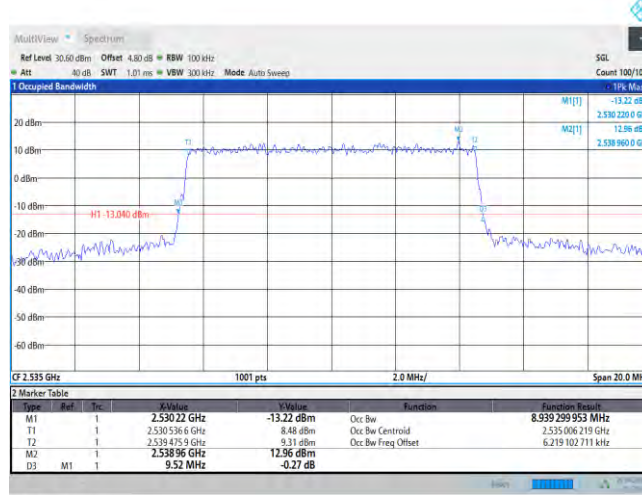
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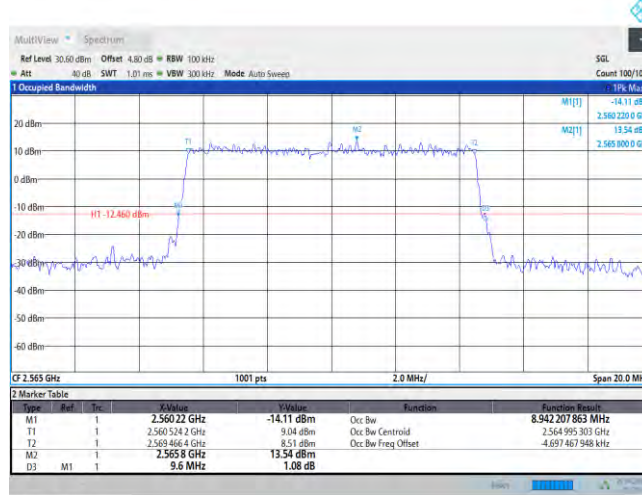
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Band7-10MHz-QPSK-21100-50RB#0



16:39:03 27.04.2023

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



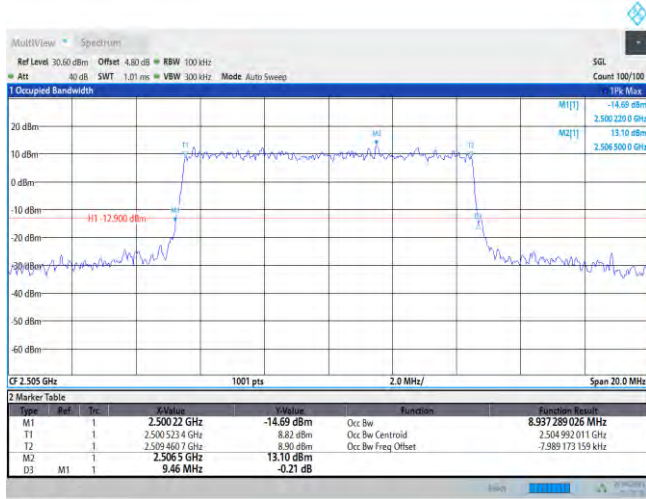
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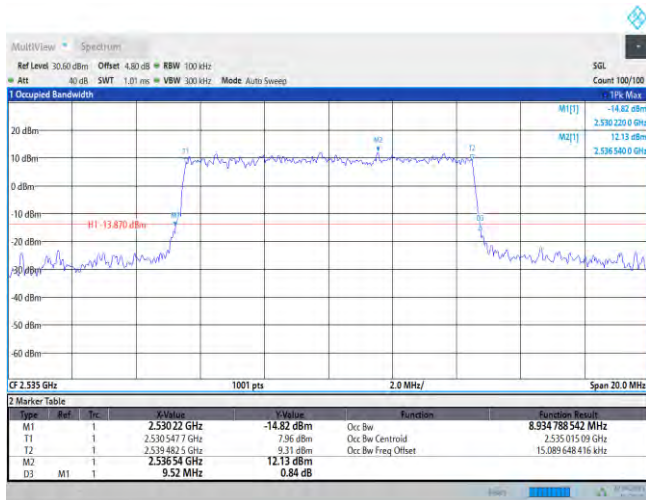
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Band7-10MHz-16QAM-20800-50RB#0



16:38:36 27.04.2023

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



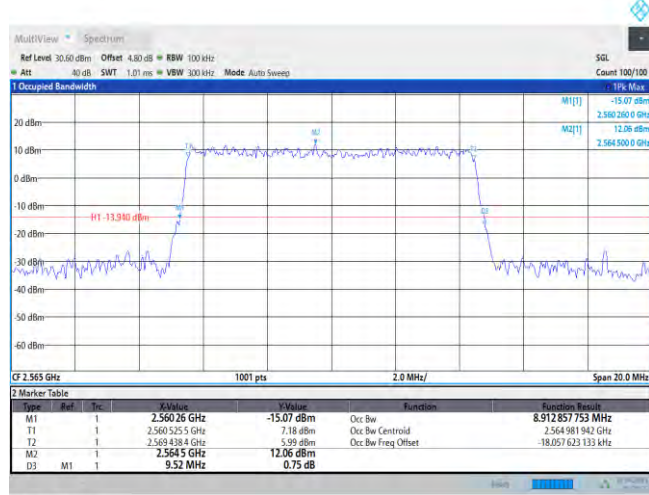
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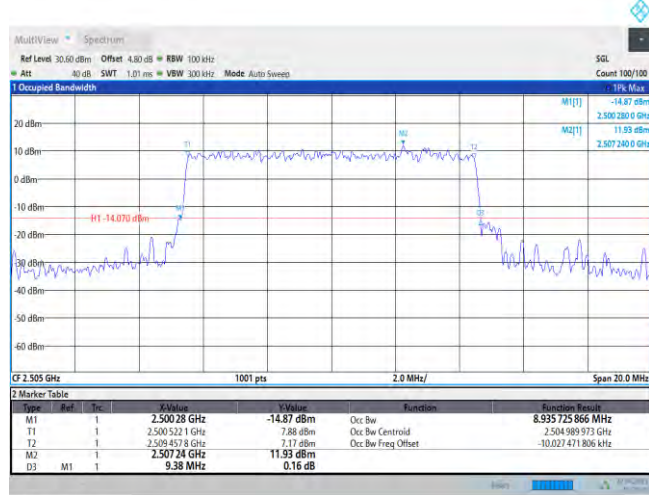
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Band7-10MHz-16QAM-21400-50RB#0



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



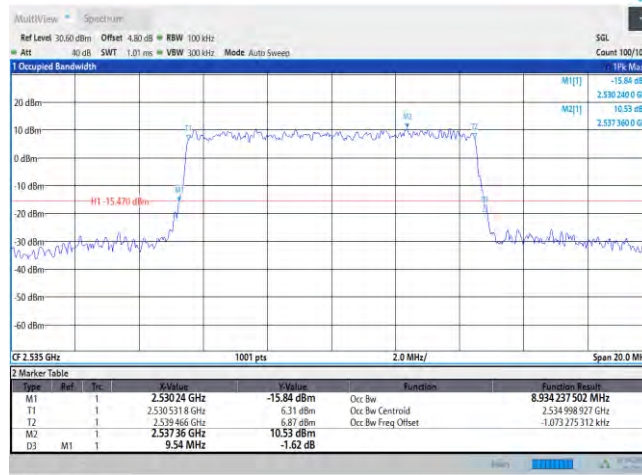
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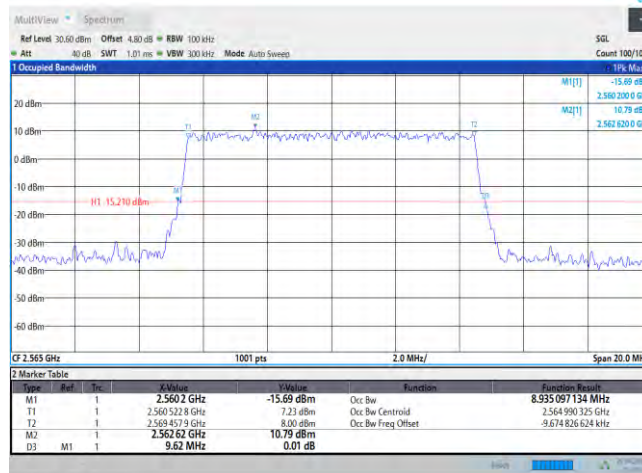
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Band7-10MHz-64QAM-21100-50RB#0



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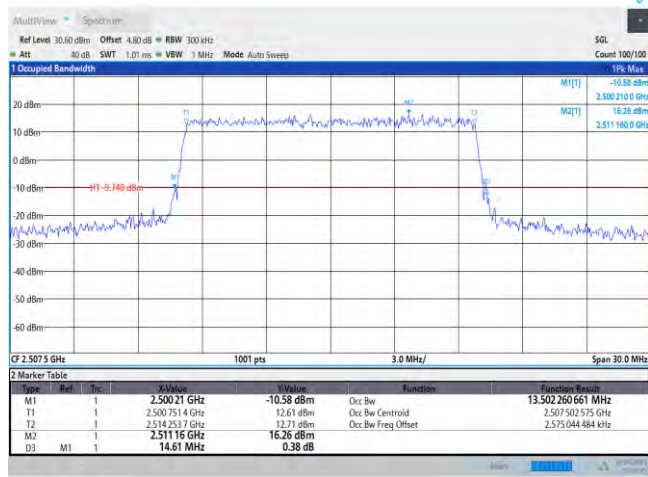
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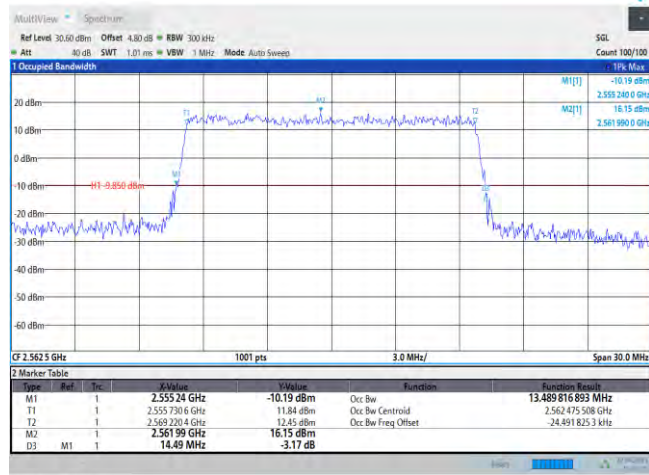
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Band7-15MHz-QPSK-21375-75RB#0



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



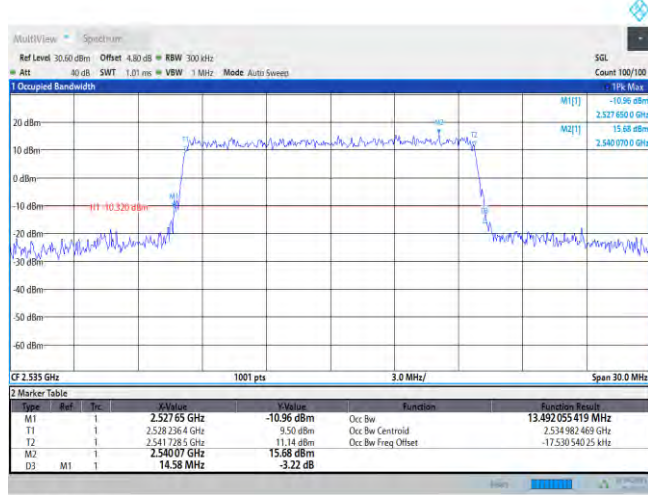
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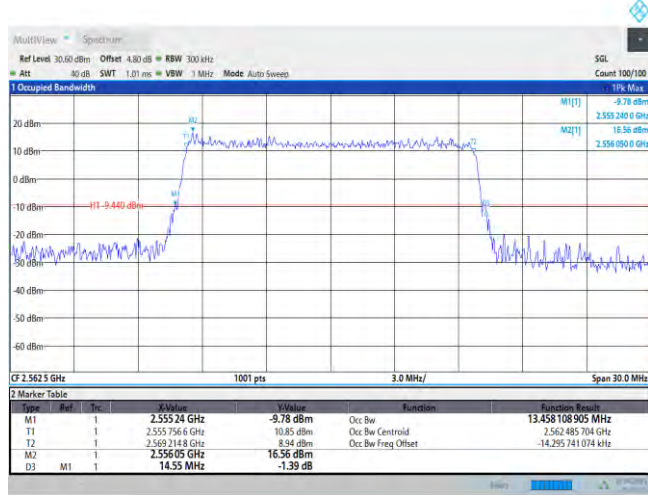
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Band7-15MHz-16QAM-21100-75RB#0



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Band7-15MHz-16QAM-21375-75RB#0



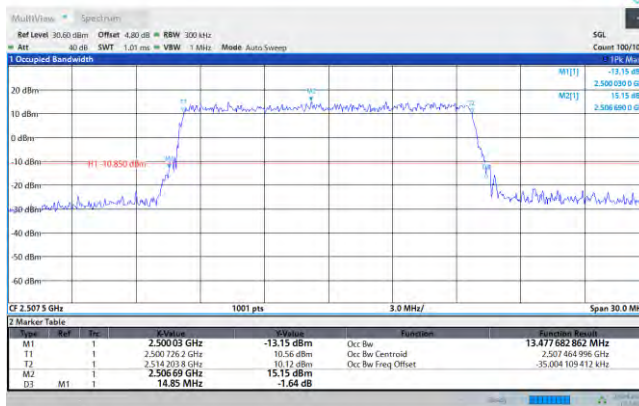
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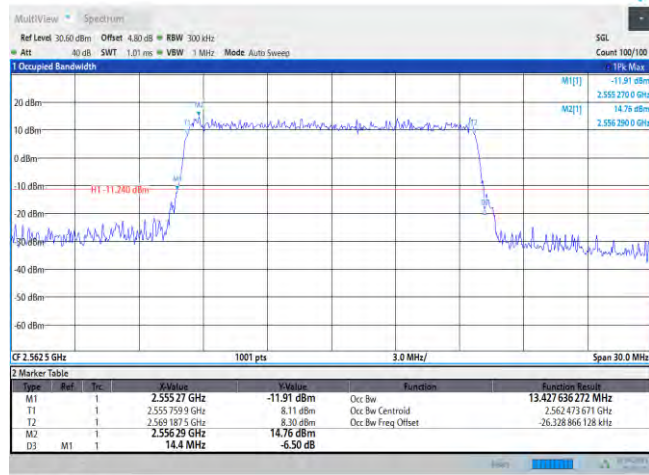
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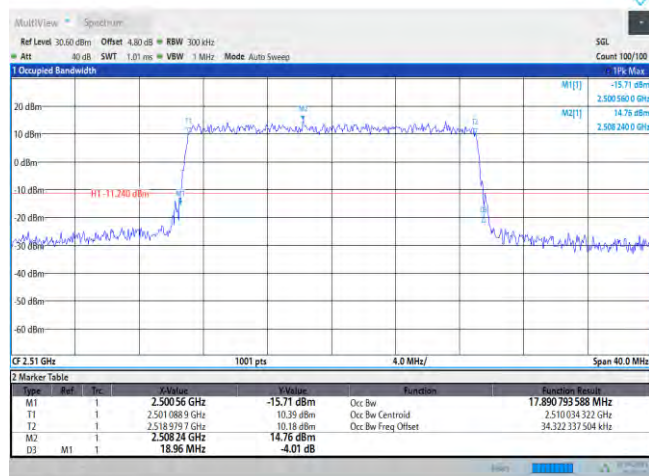
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Band7-15MHz-64QAM-21375-75RB#0



16:42:28 27.04.2023

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



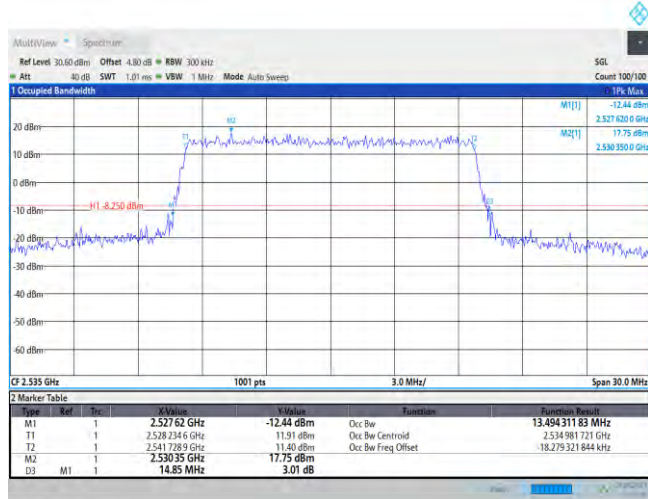
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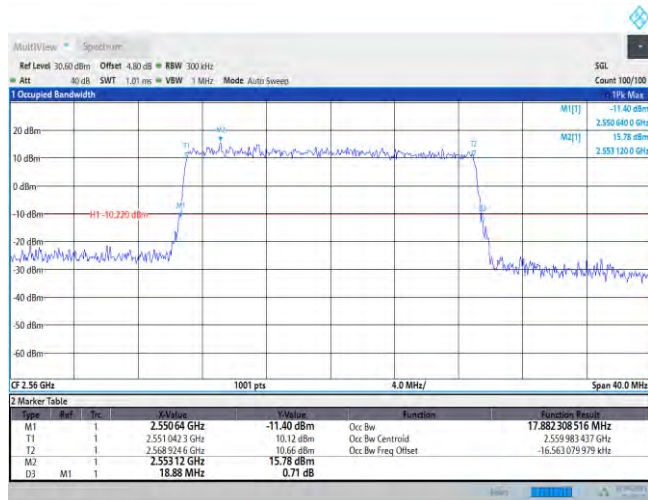
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Band7-20MHz-QPSK-21100-100RB#0



17:15:09 28.04.2023

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



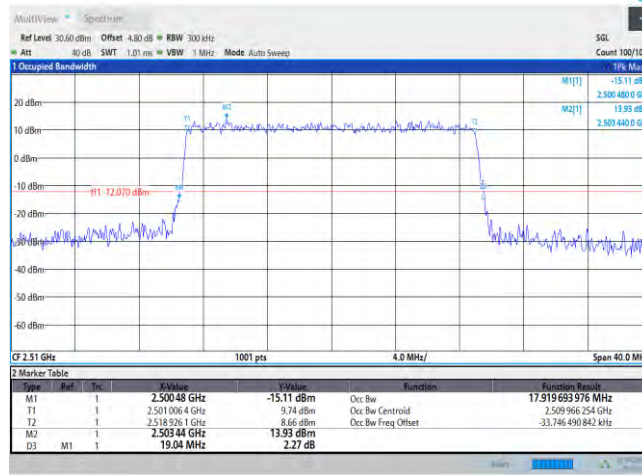
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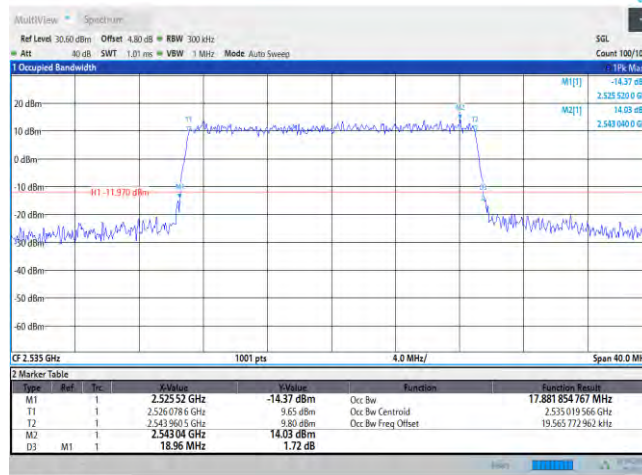
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Band7-20MHz-16QAM-20850-100RB#0



16:43:15 27.04.2023

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



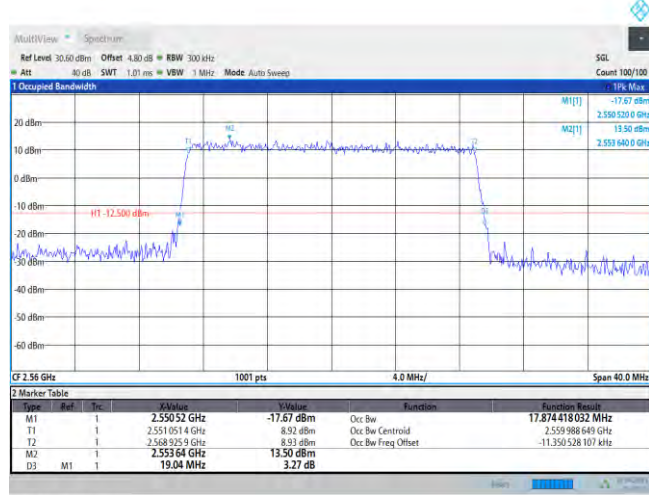
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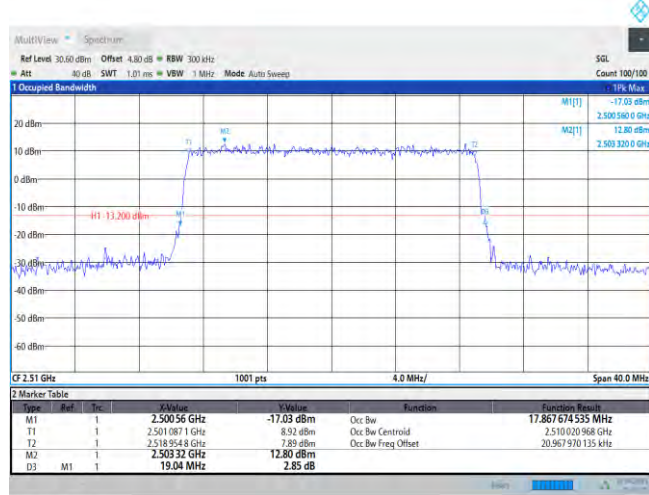
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Band7-20MHz-16QAM-21350-100RB#0



16:44:34 27.04.2023

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



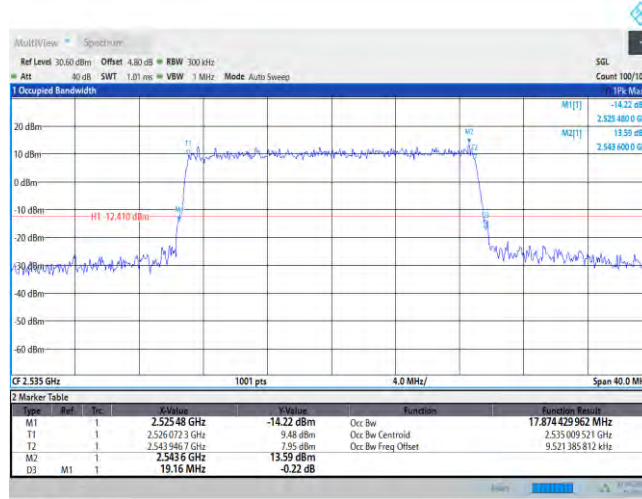
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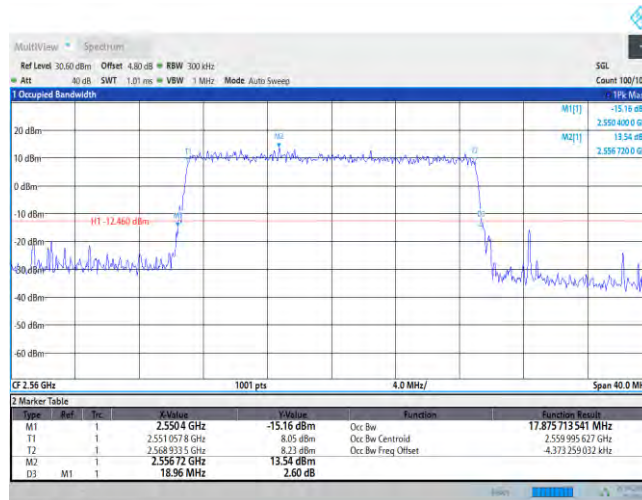
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Band7-20MHz-64QAM-21100-100RB#0



16:44:07 27.04.2023

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



16:44:47 27.04.2023



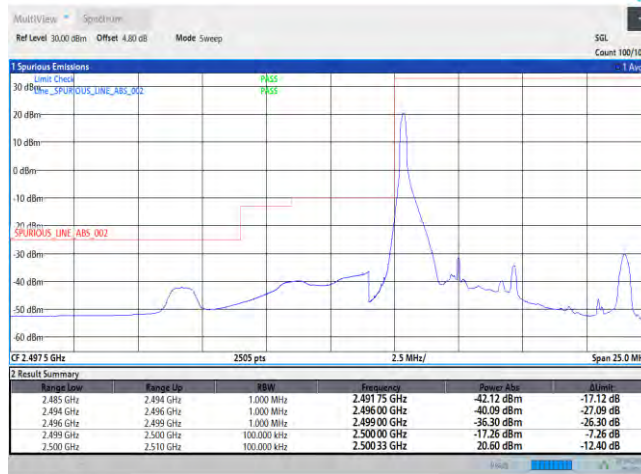
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Band Edge

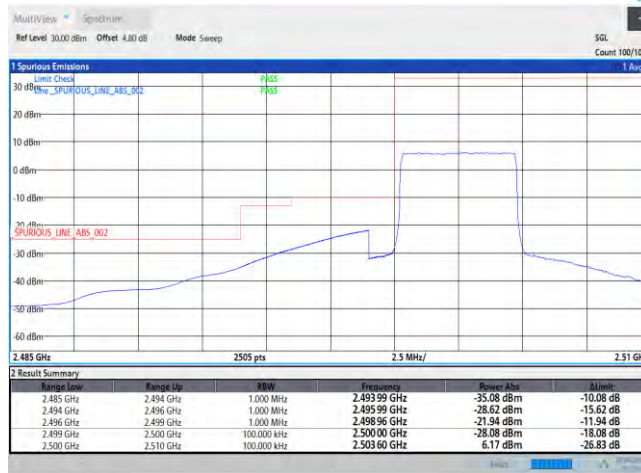
Test Graphs

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



16:47:56 27.04.2023

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



16:50:41 27.04.2023



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



16:53:51 27.04.2023

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



16:56:36 27.04.2023



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



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



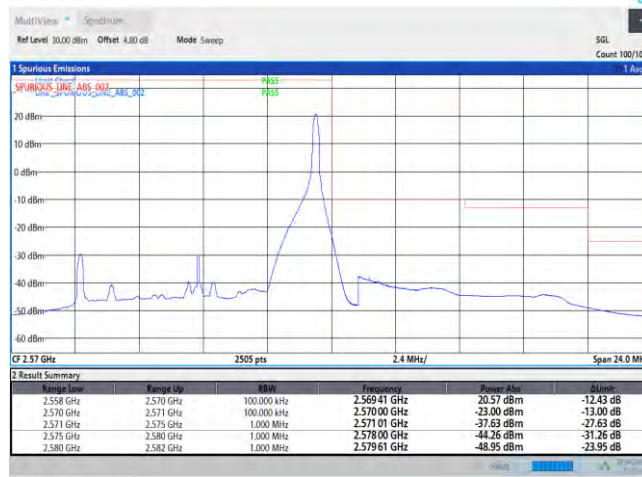
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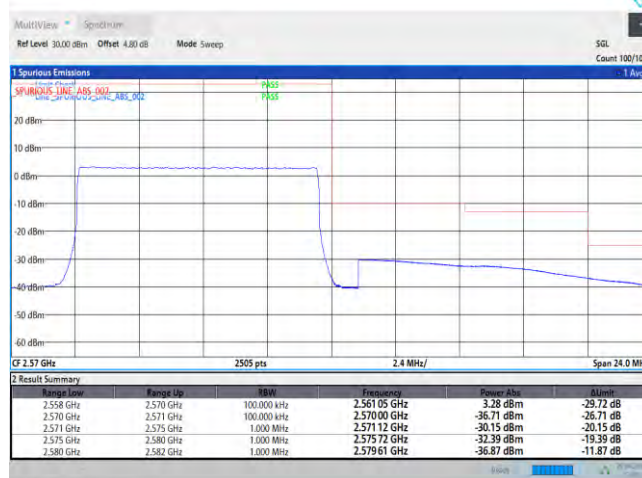
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Band7-10MHz-QPSK-21400-1RB#49



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



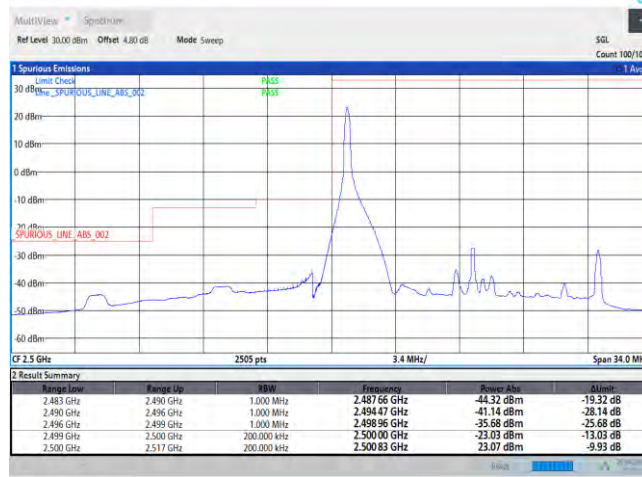
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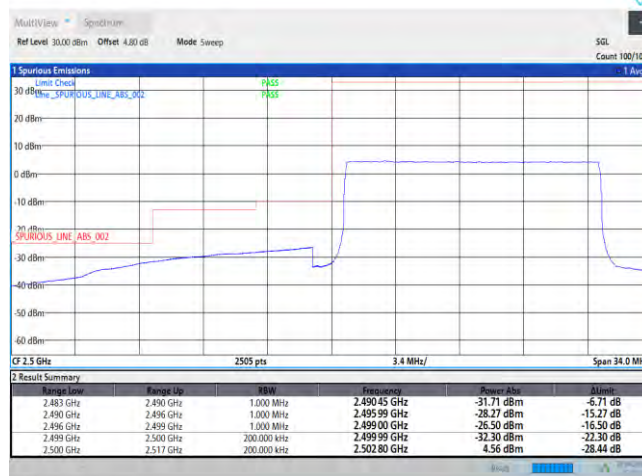
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Band7-15MHz-QPSK-20825-1RB#0



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



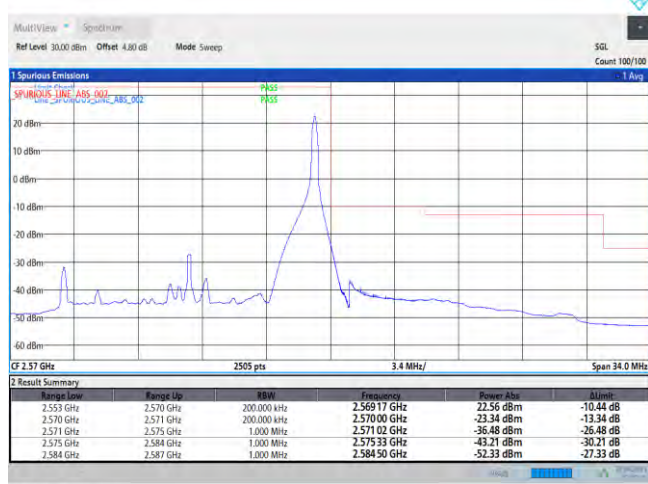
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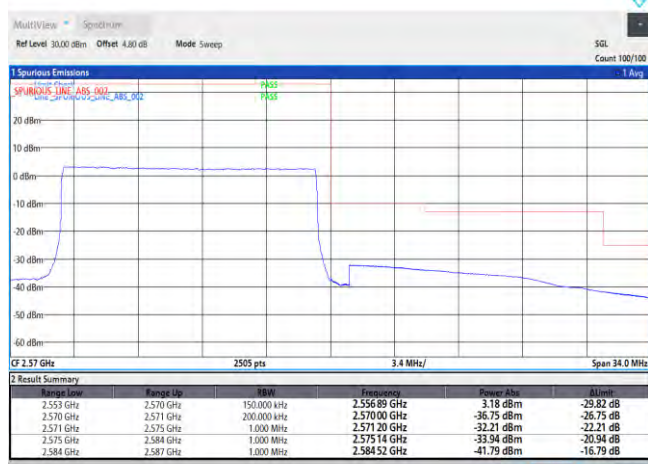
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Band7-15MHz-QPSK-21375-1RB#74



17:17:33 27.04.2023

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



17:20:18 27.04.2023

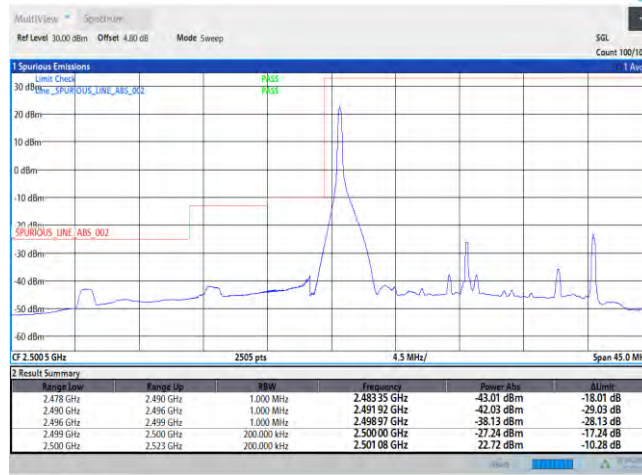


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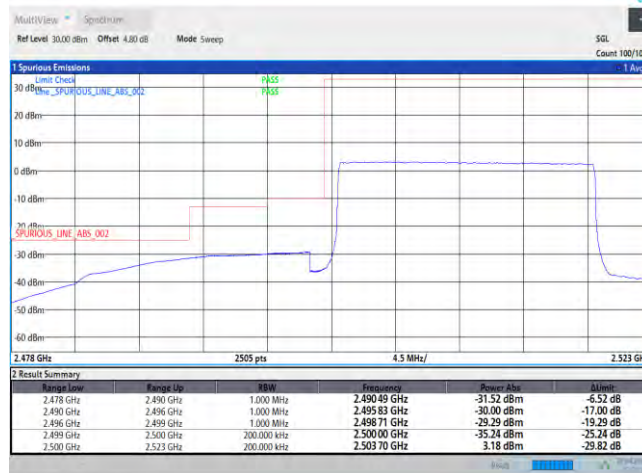
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Band7-20MHz-QPSK-20850-1RB#0



17:23:29 27.04.2023

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



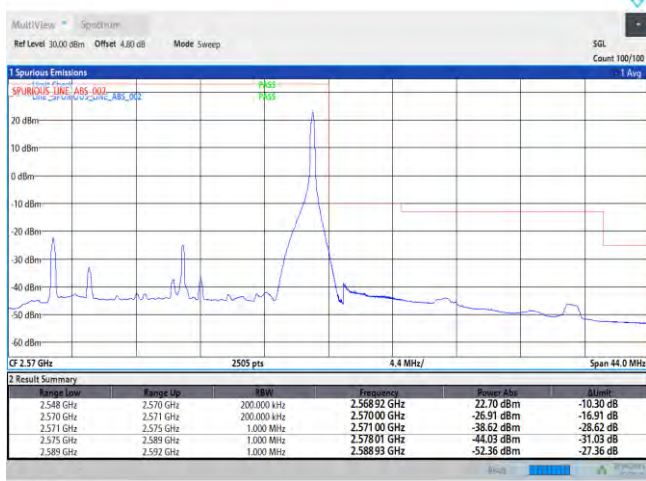
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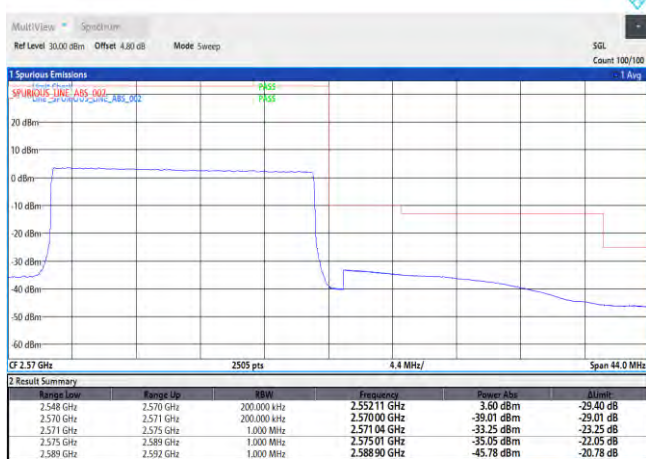
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Band7-20MHz-QPSK-21350-1RB#99



17:29:23 27.04.2023

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



17:32:08 27.04.2023



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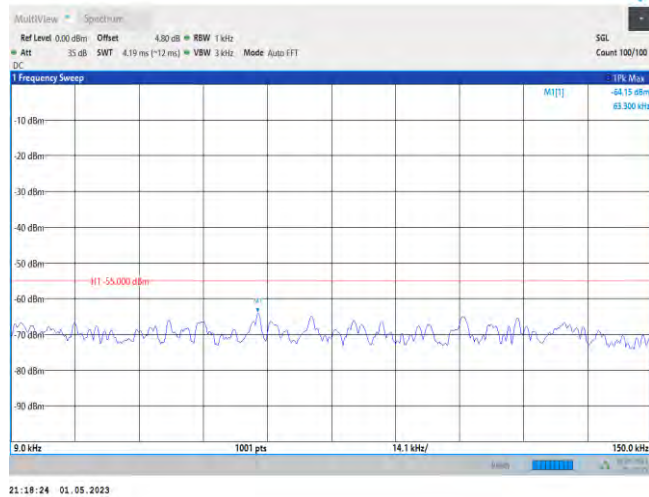
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Conducted Spurious Emission

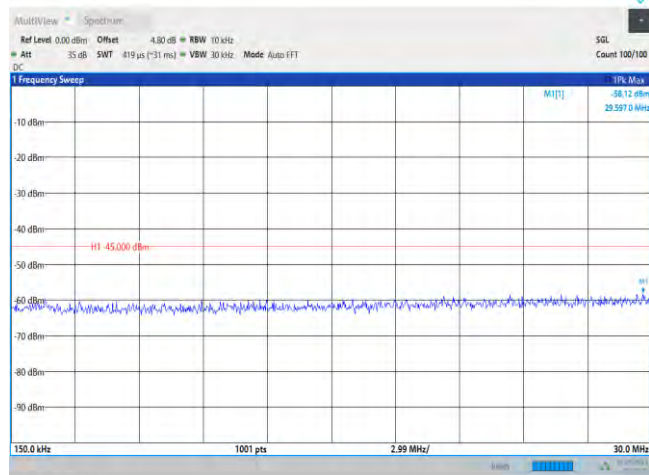
Test Graphs

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



21:18:24 01.05.2023

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



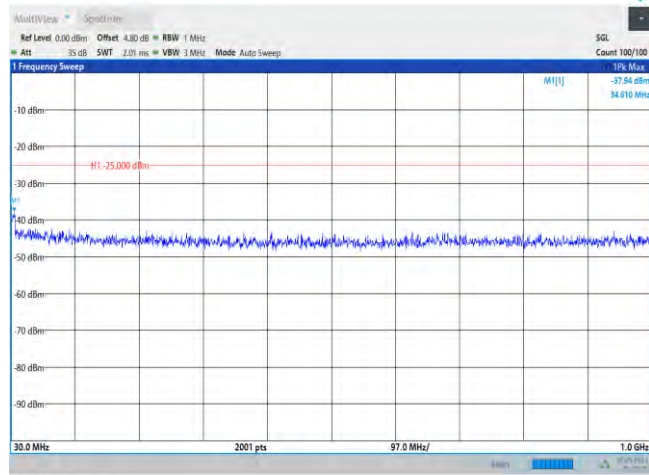
21:18:30 01.05.2023



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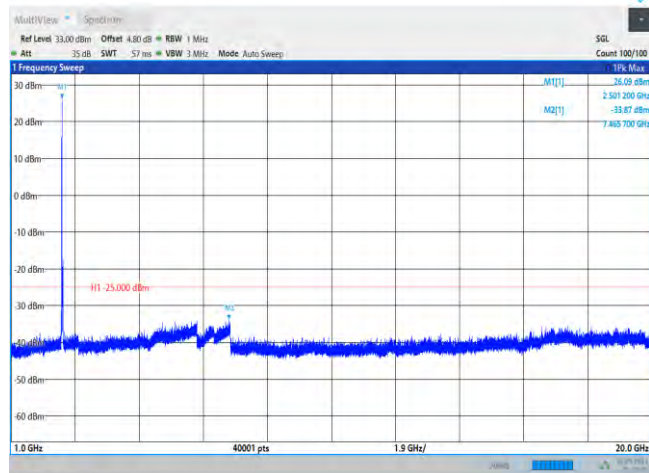
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Band7-20MHz-QPSK-20850-1RB#0-Range3:30~1000MHz



21:18:34 01.05.2023

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



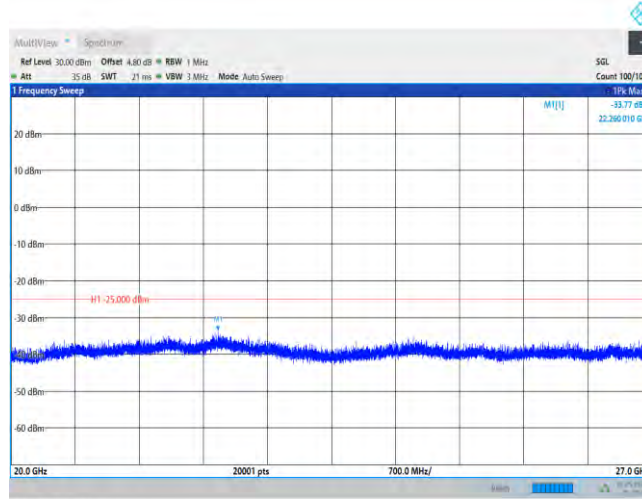
21:18:50 01.05.2023



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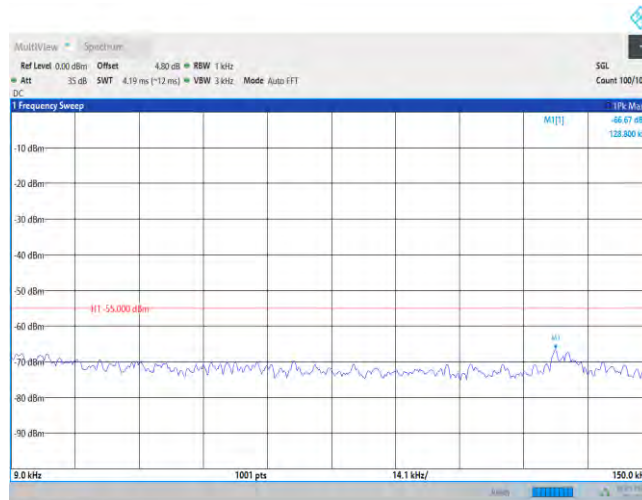
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Band7-20MHz-QPSK-20850-1RB#0-Range5:20000~27000MHz



21:19:05 01.05.2023

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



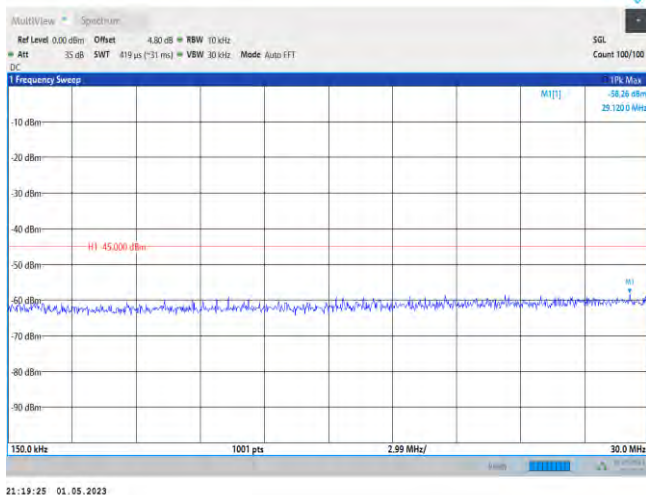
21:19:19 01.05.2023



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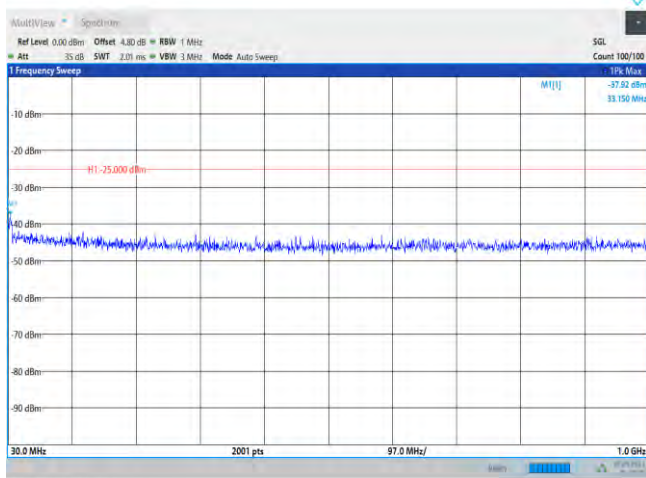
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Band7-20MHz-QPSK-21100-1RB#0-Range2:0.15~30MHz



21:19:25 01.05.2023

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



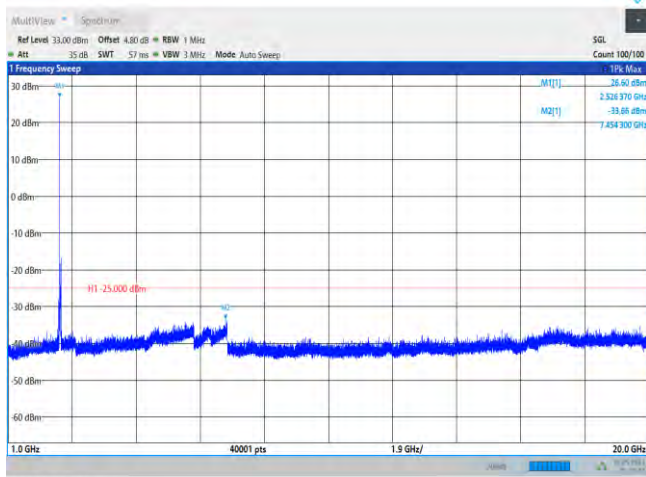
21:19:29 01.05.2023



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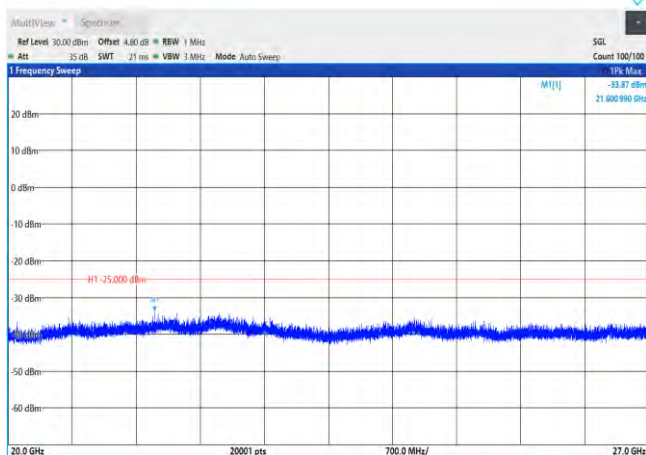
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Band7-20MHz-QPSK-21100-1RB#0-Range4:1000~20000MHz



21:19:45 01.05.2023

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



21:19:59 01.05.2023

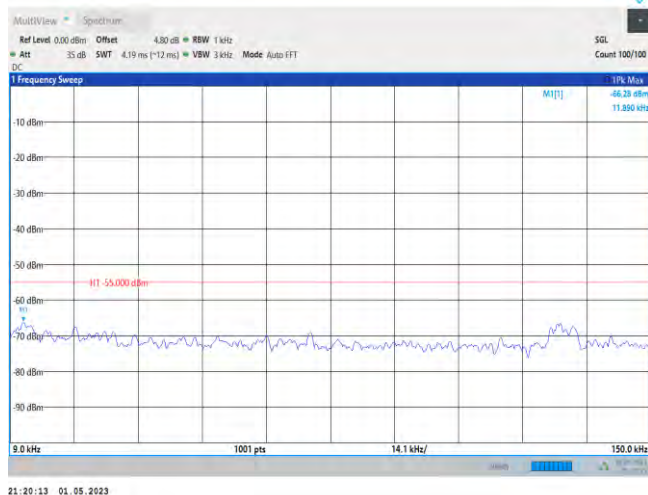


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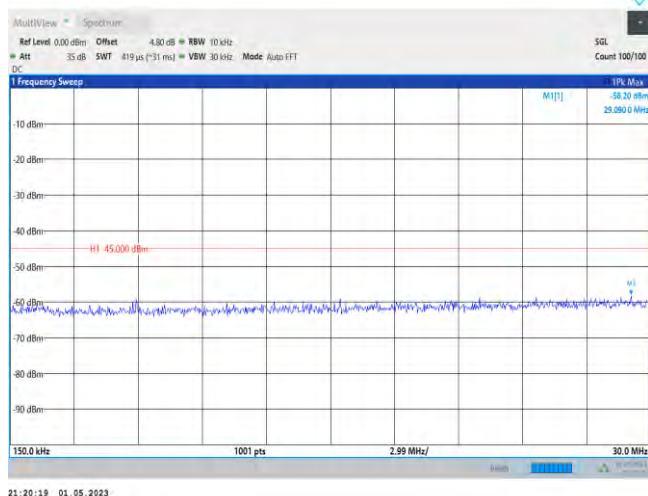
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Band7-20MHz-QPSK-21350-1RB#0-Range1:0.009~0.15MHz



21:20:13 01.05.2023

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



21:20:19 01.05.2023

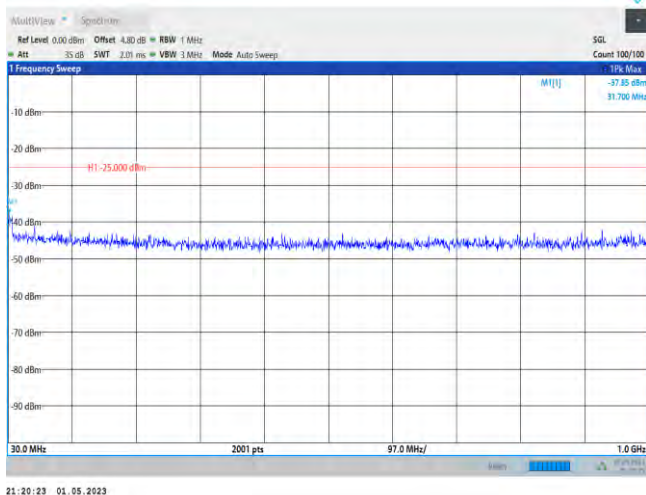


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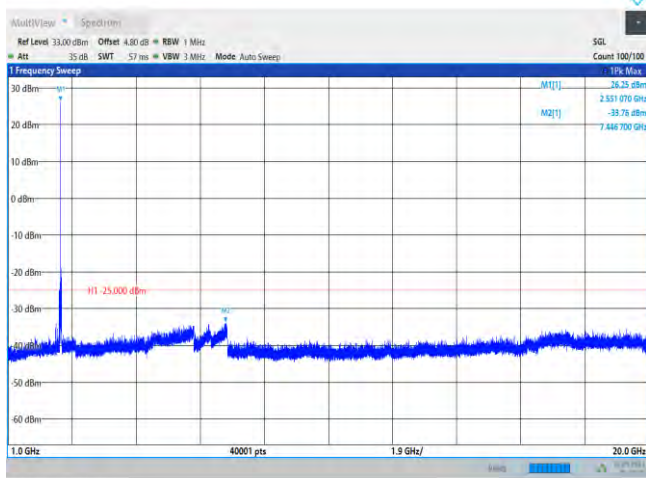
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Band7-20MHz-QPSK-21350-1RB#0-Range3:30~1000MHz



21:20:23 01.05.2023

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



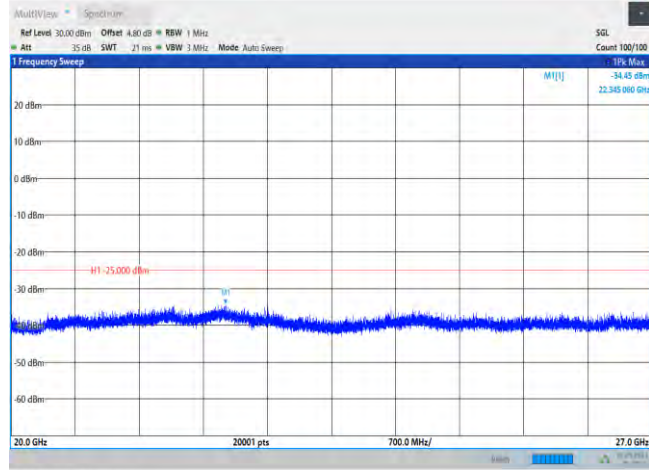
21:20:39 01.05.2023



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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 B7_20MHz _ TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.1800	46.61	-45.63	32.88	-61.40	-25.00	36.40	121	150	Horizontal
2	7503	43.56	-43.13	36.44	-58.40	-25.00	33.40	144	353	Horizontal
3	10004.3600	36.29	-39.23	38.50	-59.71	-25.00	34.71	295	165	Horizontal
4	12505.4500	34.05	-36.99	39.18	-59.02	-25.00	34.02	103	104	Horizontal
5	15006.5400	33.05	-34.65	39.21	-57.65	-25.00	32.65	231	239	Horizontal
6	17507.6300	32.77	-34.95	39.22	-58.22	-25.00	33.22	154	360	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.1800	46.61	-45.63	32.88	-61.40	-25.00	36.40	212	164	Vertical
2	7503	46.48	-43.13	36.44	-55.48	-25.00	30.48	236	330	Vertical
3	10004.25	46.31	-39.23	38.50	-49.69	-25.00	24.69	196	164	Vertical
4	12505.4500	34.75	-36.99	39.18	-58.32	-25.00	33.32	144	181	Vertical
5	15006.5400	33.29	-34.65	39.21	-57.41	-25.00	32.41	126	360	Vertical
6	17507.6300	32.41	-34.95	39.22	-58.58	-25.00	33.58	149	360	Vertical



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Test Band = LTE B7_20MHz_TM1

Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5052.1800	42.42	-45.50	32.91	-65.43	-25.00	40.43	102	3	Horizontal
2	7578.2700	39.12	-42.97	36.40	-62.71	-25.00	37.71	175	178	Horizontal
3	10104.3600	35.51	-39.14	38.66	-60.23	-25.00	35.23	196	178	Horizontal
4	12630.4500	34.08	-37.33	39.33	-59.18	-25.00	34.18	163	360	Horizontal
5	15156.5400	32.17	-34.37	39.01	-58.45	-25.00	33.45	256	195	Horizontal
6	17682.6300	33.67	-33.89	40.06	-55.42	-25.00	30.42	245	238	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5052.1800	41.37	-45.50	32.91	-66.48	-25.00	41.48	213	13	Vertical
2	7578.2700	39.31	-42.97	36.40	-62.52	-25.00	37.52	263	270	Vertical
3	10104.3600	35.94	-39.14	38.66	-59.80	-25.00	34.80	154	42	Vertical
4	12630.4500	34.18	-37.33	39.33	-59.08	-25.00	34.08	137	73	Vertical
5	15156.5400	31.82	-34.37	39.01	-58.80	-25.00	33.80	169	3	Vertical
6	17682.6300	33.38	-33.89	40.06	-55.71	-25.00	30.71	145	360	Vertical



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Test Band = LTE B7_20MHz _ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5102.1800	45.54	-45.37	32.94	-62.15	-25.00	37.15	213	135	Horizontal
2	7653.2700	40.04	-43.03	36.49	-61.76	-25.00	36.76	132	210	Horizontal
3	10204.3600	36.41	-39.48	38.81	-59.52	-25.00	34.52	147	120	Horizontal
4	12755.4500	33.43	-36.76	39.55	-59.04	-25.00	34.04	165	120	Horizontal
5	15306.5400	32.49	-34.36	38.82	-58.31	-25.00	33.31	149	284	Horizontal
6	17857.6300	33.73	-34.56	41.24	-54.85	-25.00	29.85	223	165	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5102.1800	43.80	-45.37	32.94	-63.89	-25.00	38.89	212	239	Vertical
2	7653.2700	40.19	-43.03	36.49	-61.61	-25.00	36.61	176	314	Vertical
3	10204.3600	38.30	-39.48	38.81	-57.63	-25.00	32.63	132	162	Vertical
4	12755.4500	33.50	-36.76	39.55	-58.97	-25.00	33.97	124	360	Vertical
5	15306.5400	32.16	-34.36	38.82	-58.64	-25.00	33.64	235	269	Vertical
6	17857.6300	34.27	-34.56	41.24	-54.31	-25.00	29.31	147	88	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	-4.80	-0.001893	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-6.70	-0.002643	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	2.30	0.000907	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	1.40	0.000552	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	1.30	0.000513	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-7.00	-0.002761	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-9.50	-0.003748	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-13.90	-0.005483	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-1.00	-0.000394	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	4.40	0.001736	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-12.00	-0.004734	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-1.90	-0.000750	PASS

---End of Attachment---



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