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Appendix B.15

LTE Band 38



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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
Band38	5MHz	QPSK	37775	1RB#0	23.87	22.97	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	23.89	22.99	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	23.82	22.92	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.98	22.08	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	23.69	22.79	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	23.78	22.88	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	23.47	22.57	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	23.45	22.55	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	23.76	22.86	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	23.61	22.71	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	23.56	22.66	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	23.66	22.76	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.87	21.97	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.93	22.03	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.89	21.99	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.98	21.08	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	22.82	21.92	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.74	21.84	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.91	22.01	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	22.47	21.57	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	22.72	21.82	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.57	21.67	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.64	21.74	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	22.65	21.75	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	21.64	20.74	33.00	PASS



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Band38	5MHz	64QAM	37775	1RB#12	21.69	20.79	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	21.51	20.61	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	21.02	20.12	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	21.87	20.97	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	21.74	20.84	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	21.81	20.91	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	21.48	20.58	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	21.78	20.88	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	21.87	20.97	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	21.86	20.96	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	21.69	20.79	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.02	22.12	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.97	22.07	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.02	22.12	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	21.9	21.00	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	23.18	22.28	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	23.32	22.42	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	23.05	22.15	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	22.08	21.18	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	23.1	22.20	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	23.21	22.31	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	23.16	22.26	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	22.11	21.21	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.03	21.13	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.02	21.12	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.06	21.16	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.9	20.00	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.22	21.32	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.3	21.40	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.11	21.21	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	21.13	20.23	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.16	21.26	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.17	21.27	33.00	PASS



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Band38	10MHz	16QAM	38200	1RB#49	22.16	21.26	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	21.07	20.17	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	20.56	19.66	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	20.6	19.70	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#49	20.57	19.67	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	19.86	18.96	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	20.8	19.90	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	20.9	20.00	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	20.67	19.77	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	20.1	19.20	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	20.76	19.86	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	20.79	19.89	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	20.8	19.90	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	20.08	19.18	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.91	22.01	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.99	22.09	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.98	22.08	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	21.94	21.04	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	23.11	22.21	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	23.13	22.23	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.91	22.01	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.08	21.18	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	23.08	22.18	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	23.03	22.13	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.97	22.07	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	22.06	21.16	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	21.94	21.04	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	21.97	21.07	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.04	21.14	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.87	19.97	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.19	21.29	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.19	21.29	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.96	21.06	33.00	PASS



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Band38	15MHz	16QAM	38000	75RB#0	20.99	20.09	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.12	21.22	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	22.15	21.25	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.03	21.13	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.99	20.09	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	20.51	19.61	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	20.63	19.73	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	20.59	19.69	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	19.89	18.99	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	20.75	19.85	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	20.77	19.87	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	20.58	19.68	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	20	19.10	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	20.73	19.83	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	20.69	19.79	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	20.69	19.79	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	19.98	19.08	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.9	22.00	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.11	22.21	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.95	22.05	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.98	21.08	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	23.12	22.22	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.24	22.34	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.77	21.87	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	22.08	21.18	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	23.12	22.22	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.25	22.35	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.96	22.06	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	22.04	21.14	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.96	21.06	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.24	21.34	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.99	21.09	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.97	20.07	33.00	PASS



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Band38	20MHz	16QAM	38000	1RB#49	22.27	21.37	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.83	20.93	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	21.08	20.18	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	22.16	21.26	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	22.34	21.44	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.99	21.09	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	21.05	20.15	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	20.54	19.64	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	20.76	19.86	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	20.62	19.72	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	19.92	19.02	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	20.74	19.84	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	20.88	19.98	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	20.42	19.52	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	20.01	19.11	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	20.83	19.93	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#49	20.91	20.01	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	20.6	19.70	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	20.02	19.12	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
Band38	20MHz	QPSK	37850	100RB#0	7.30	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	7.10	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	7.28	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	7.86	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	8.06	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	7.90	13	PASS
Band38	20MHz	64QAM	37850	100RB#0	8.22	13	PASS
Band38	20MHz	64QAM	38000	100RB#0	8.20	13	PASS
Band38	20MHz	64QAM	38150	100RB#0	8.26	13	PASS

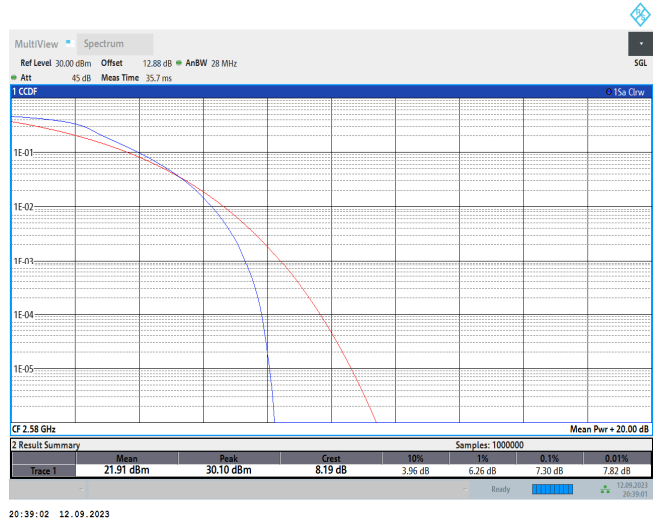


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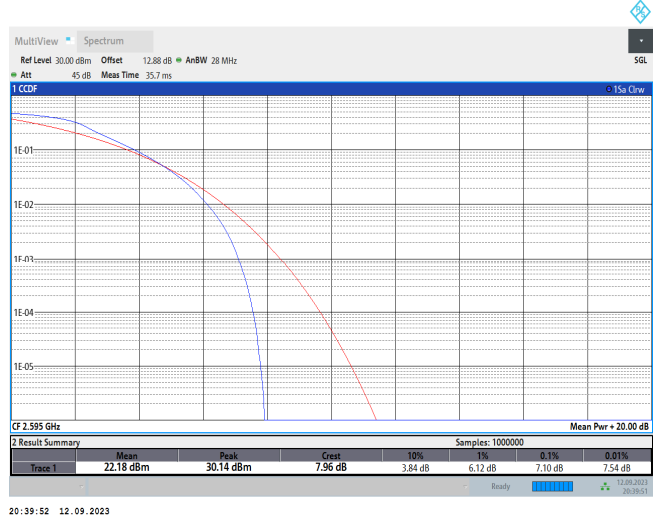
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Test Graphs

Band38-20MHz-QPSK-37850-100RB#0

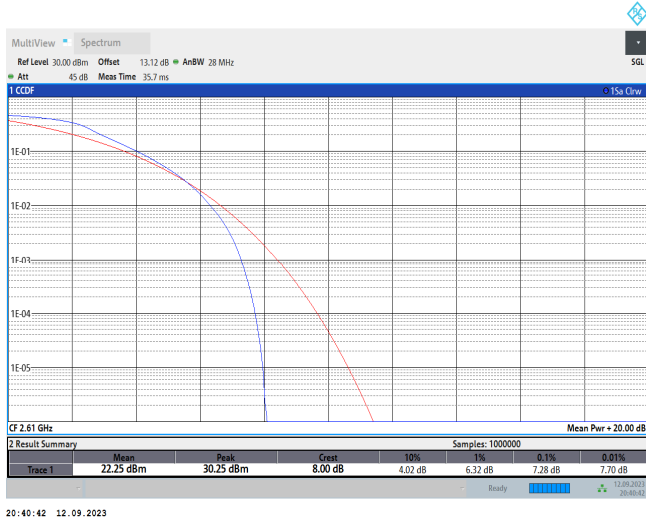


Band38-20MHz-QPSK-38000-100RB#0



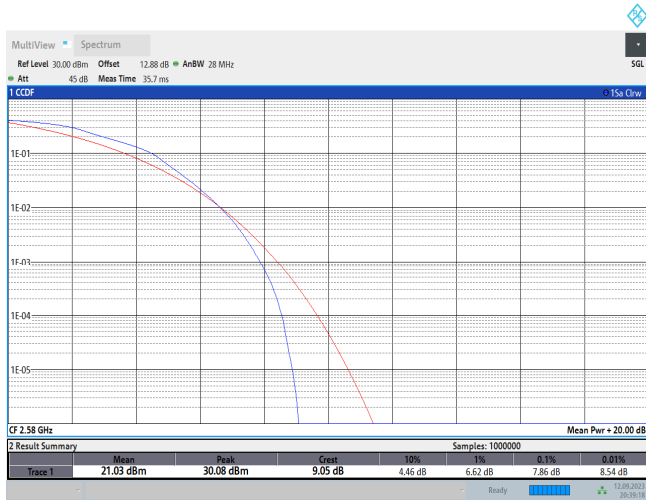
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Band38-20MHz-QPSK-38150-100RB#0



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Band38-20MHz-16QAM-37850-100RB#0

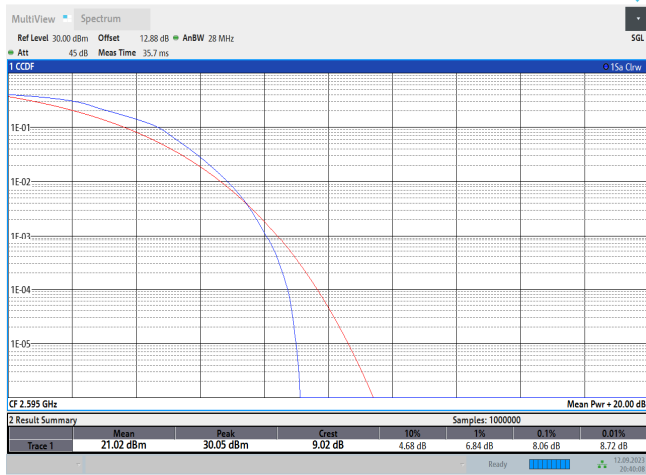


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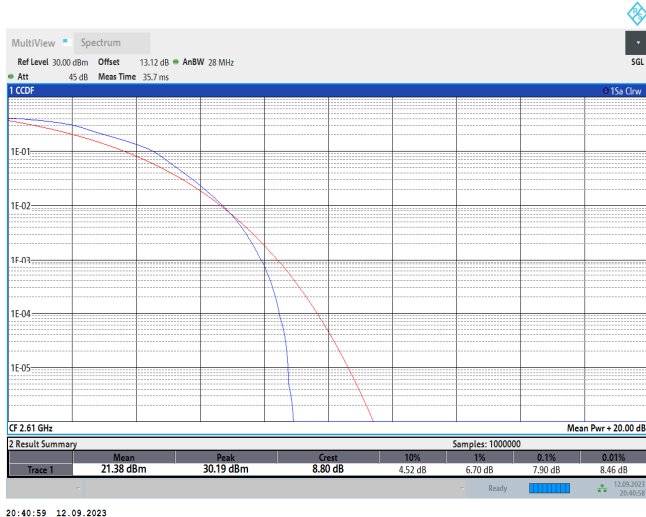
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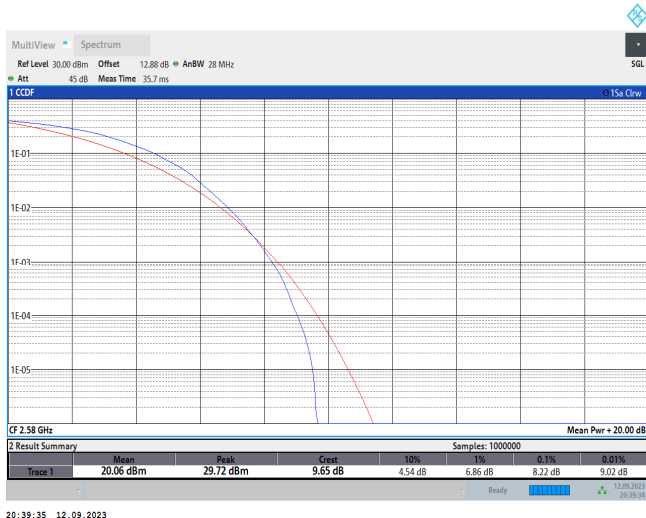
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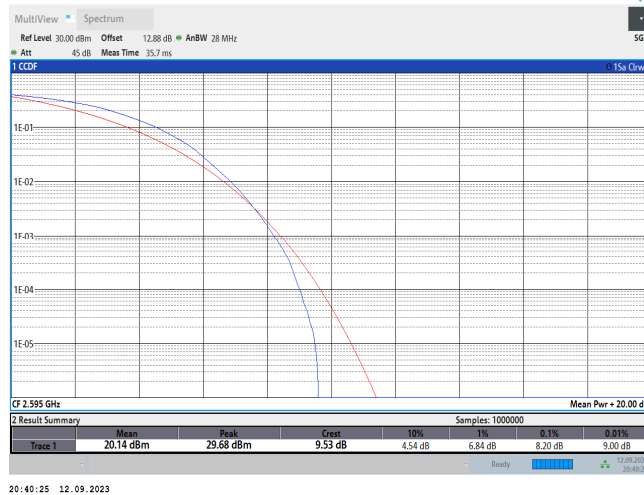


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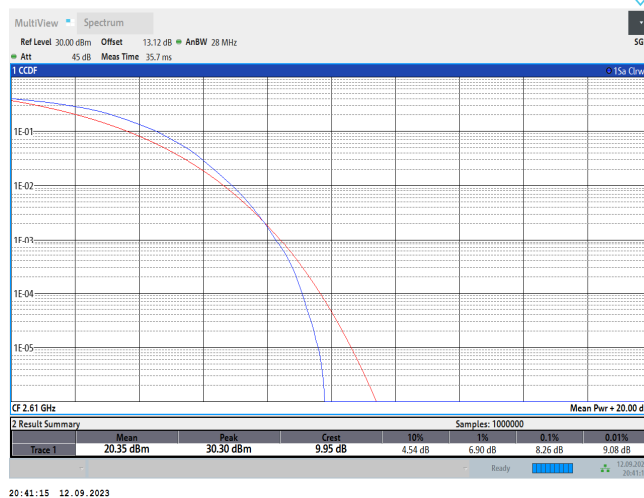


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Band38-20MHz-64QAM-38000-100RB#0



Band38-20MHz-64QAM-38150-100RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.473	4.80	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.472	4.81	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.473	4.82	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.468	4.86	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.465	4.91	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.466	4.85	PASS
Band38	5MHz	64QAM	37775	25RB#0	4.477	4.83	PASS
Band38	5MHz	64QAM	38000	25RB#0	4.474	4.82	PASS
Band38	5MHz	64QAM	38225	25RB#0	4.476	4.82	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.923	9.66	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.928	9.66	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.925	9.62	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.917	9.64	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.932	9.64	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.92	9.72	PASS
Band38	10MHz	64QAM	37800	50RB#0	8.936	9.56	PASS
Band38	10MHz	64QAM	38000	50RB#0	8.927	9.62	PASS
Band38	10MHz	64QAM	38200	50RB#0	8.932	9.66	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.497	15.63	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.5	15.03	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.507	15.06	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.474	14.88	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.479	15.36	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.484	15.18	PASS
Band38	15MHz	64QAM	37825	75RB#0	13.441	14.76	PASS
Band38	15MHz	64QAM	38000	75RB#0	13.444	15.06	PASS
Band38	15MHz	64QAM	38175	75RB#0	13.45	15.15	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.94	19.56	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.938	19.64	PASS



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Report No.: XEWM2309000447RG01
Rev.: 01
Page: 14 of 60

Band38	20MHz	QPSK	38150	100RB#0	17.94	19.60	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.911	19.24	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.916	19.28	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.916	19.24	PASS
Band38	20MHz	64QAM	37850	100RB#0	17.895	19.40	PASS
Band38	20MHz	64QAM	38000	100RB#0	17.918	19.88	PASS
Band38	20MHz	64QAM	38150	100RB#0	17.907	19.52	PASS



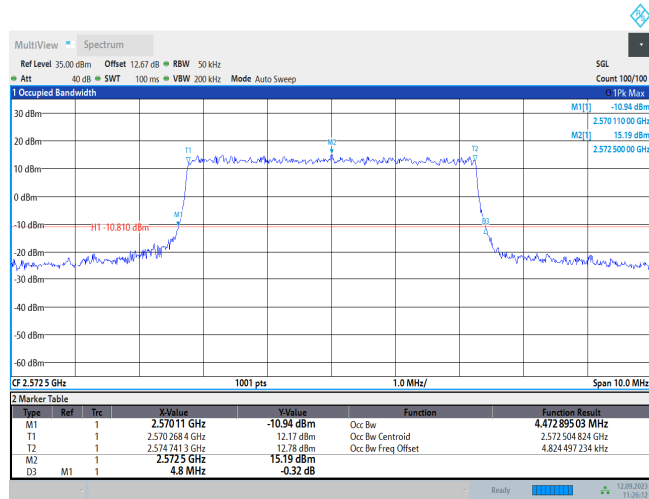
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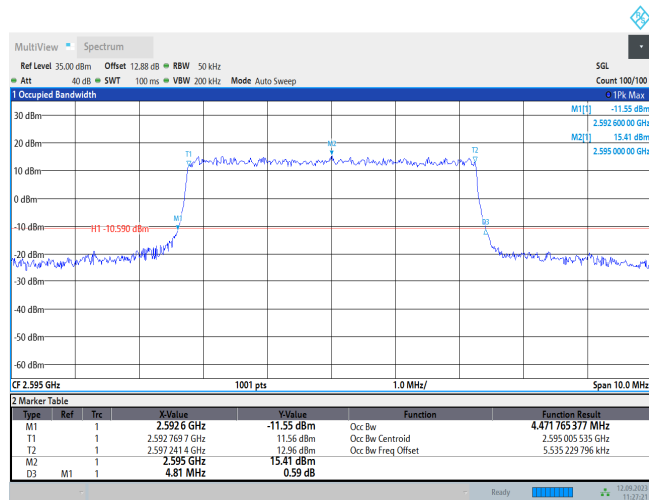
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Test Graphs

Band38-5MHz-QPSK-37775-25RB#0

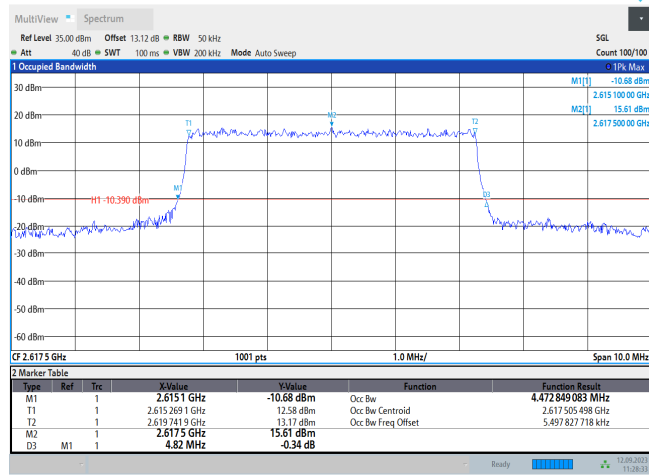


Band38-5MHz-QPSK-38000-25RB#0



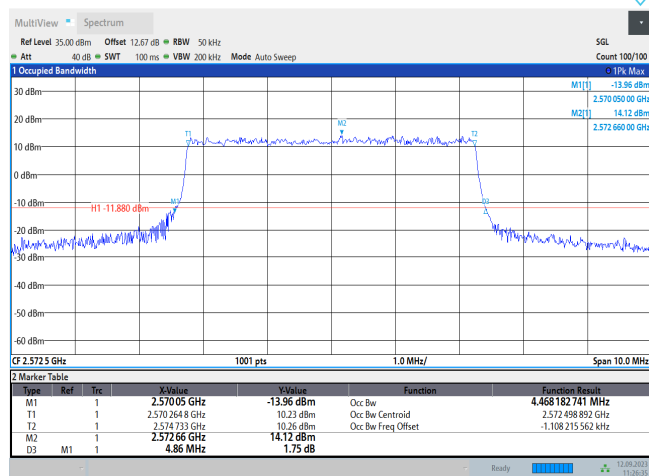
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Band38-5MHz-QPSK-38225-25RB#0



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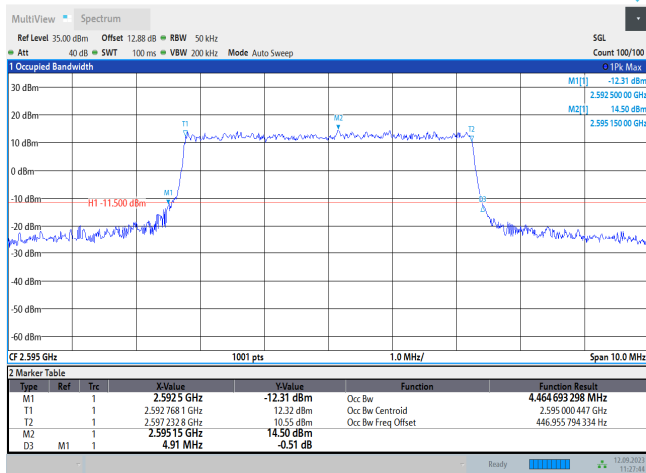
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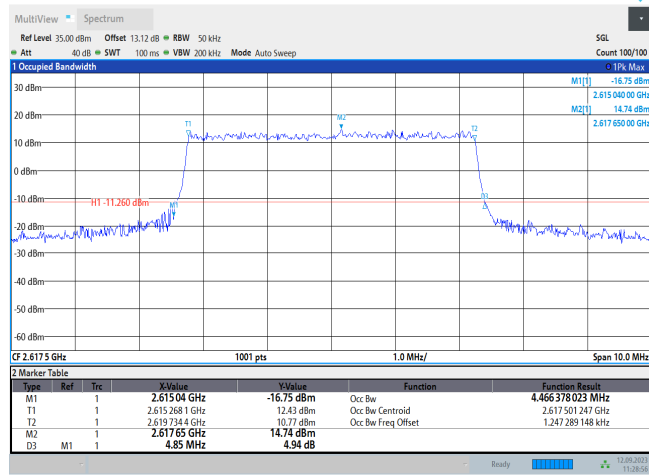


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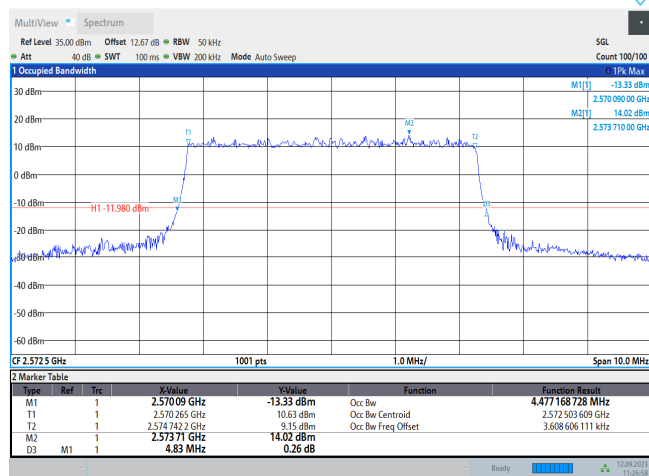
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Band38-5MHz-16QAM-38225-25RB#0



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Band38-5MHz-64QAM-37775-25RB#0



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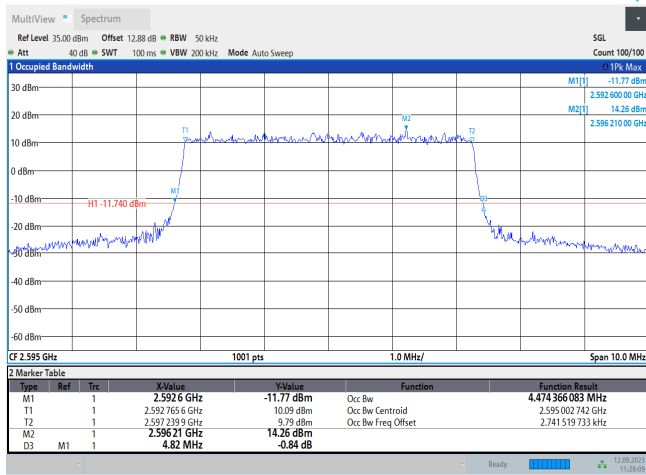


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Band38-5MHz-64QAM-38000-25RB#0

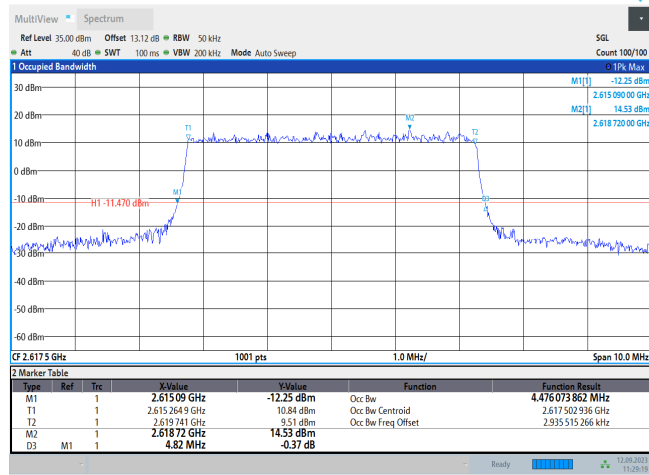


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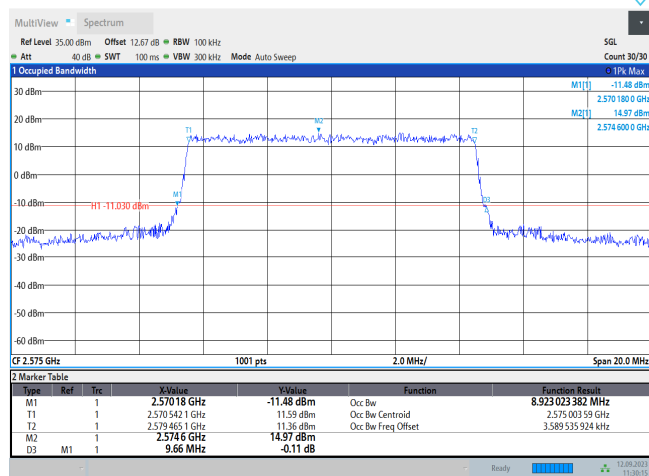
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Band38-5MHz-64QAM-38225-25RB#0



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Band38-10MHz-QPSK-37800-50RB#0



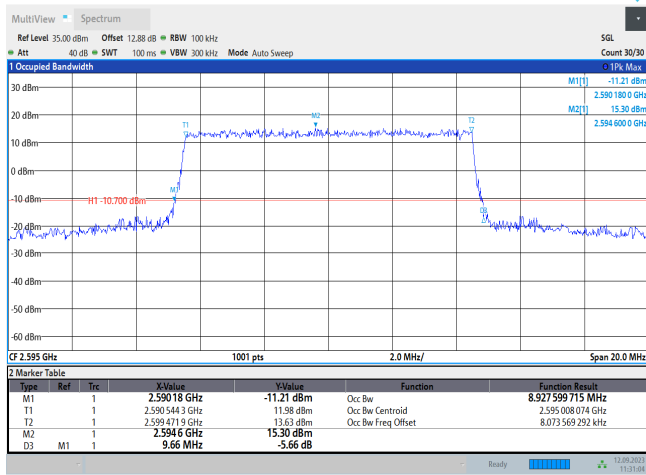
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Band38-10MHz-QPSK-38000-50RB#0



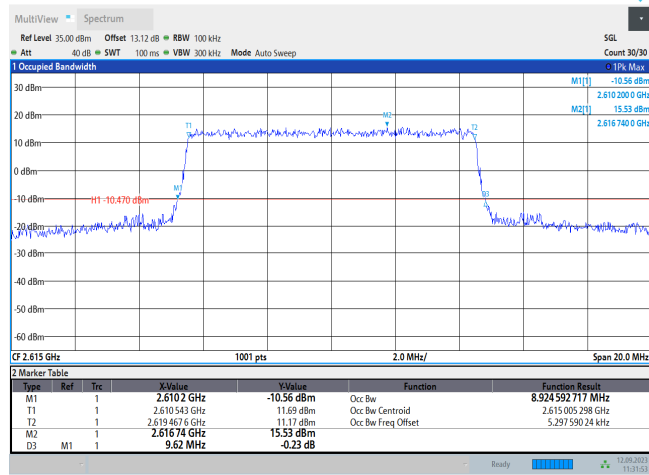
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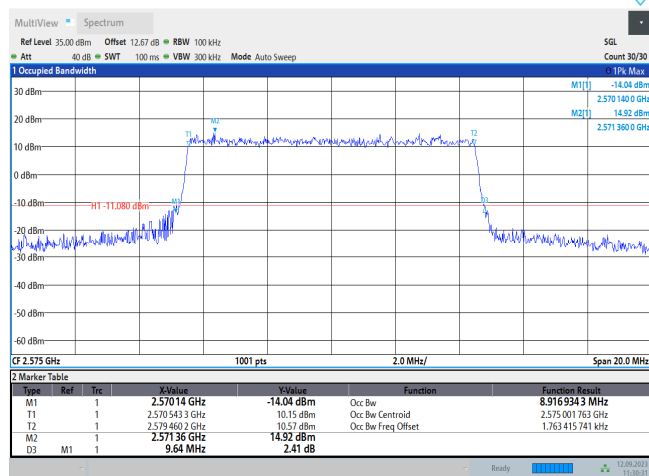
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Band38-10MHz-QPSK-38200-50RB#0



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Band38-10MHz-16QAM-37800-50RB#0



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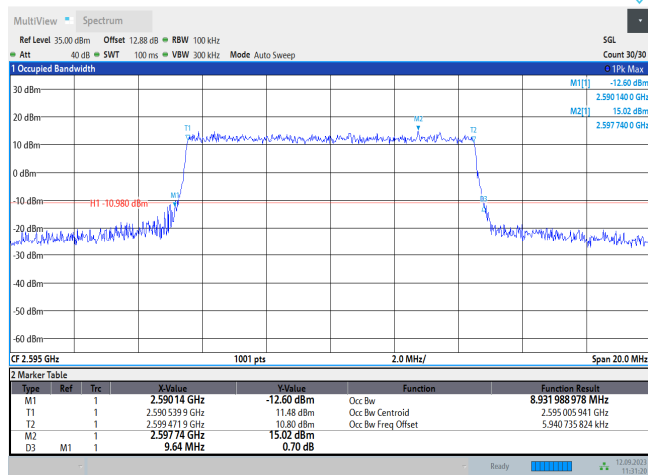


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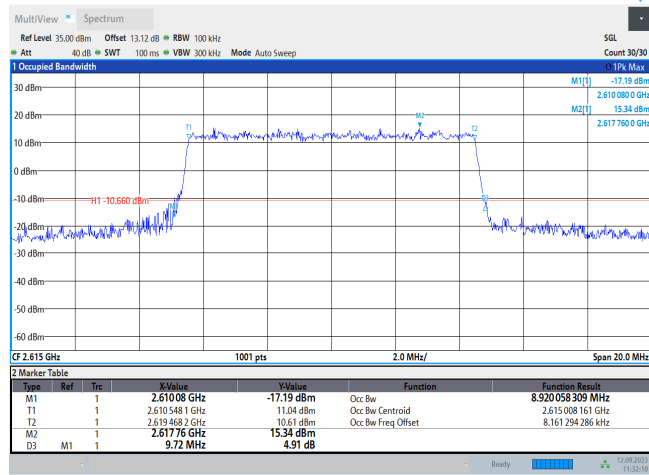
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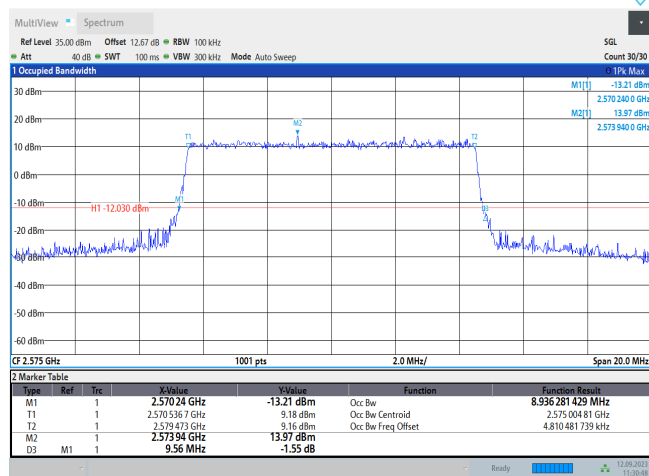


Band38-10MHz-16QAM-38200-50RB#0



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Band38-10MHz-64QAM-37800-50RB#0



11:30:48 12.09.2023

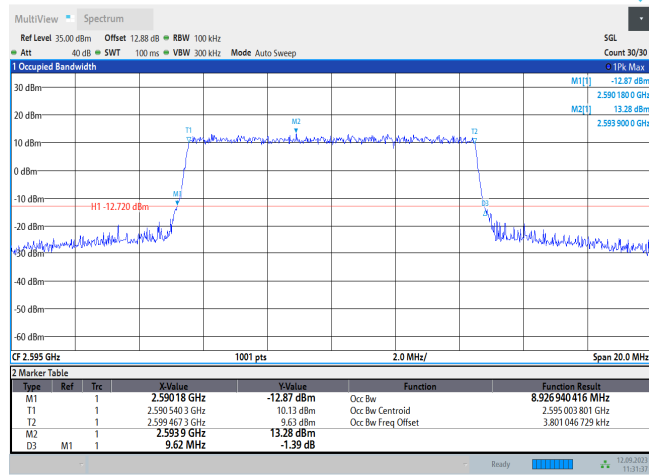


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Band38-10MHz-64QAM-38000-50RB#0

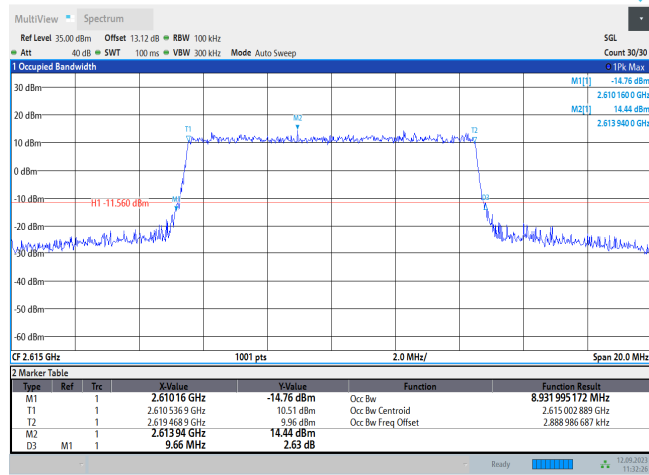


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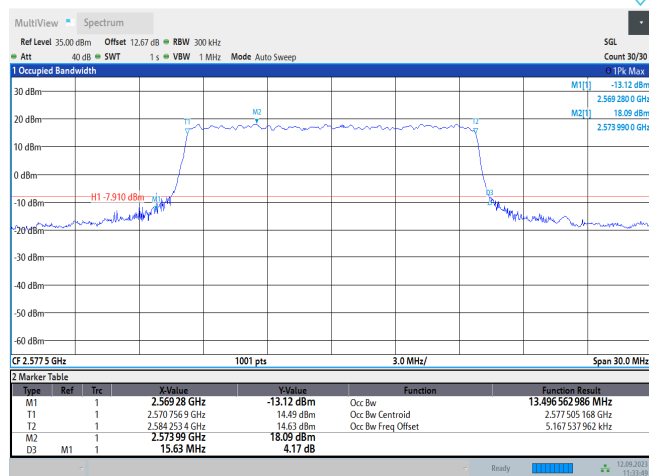
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Band38-10MHz-64QAM-38200-50RB#0



11:32:27 12.09.2023

Band38-15MHz-QPSK-37825-75RB#0



11:33:50 12.09.2023

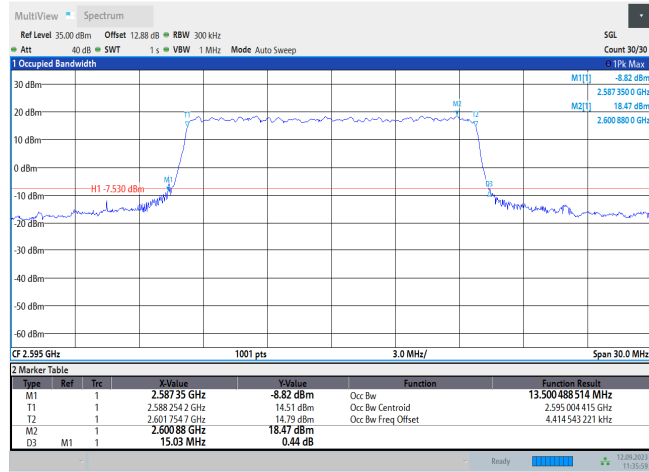


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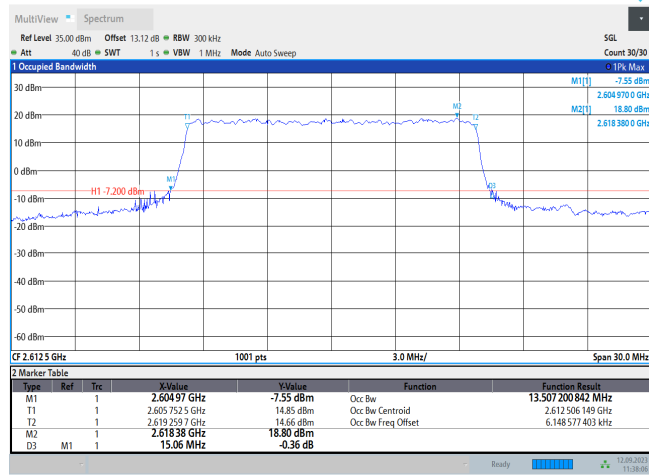
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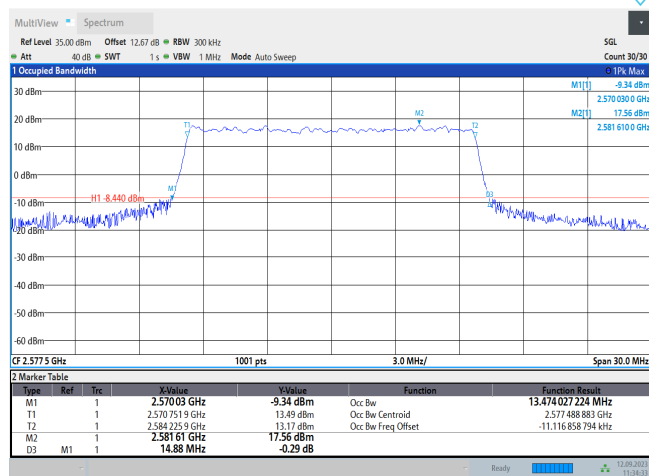


Band38-15MHz-QPSK-38175-75RB#0



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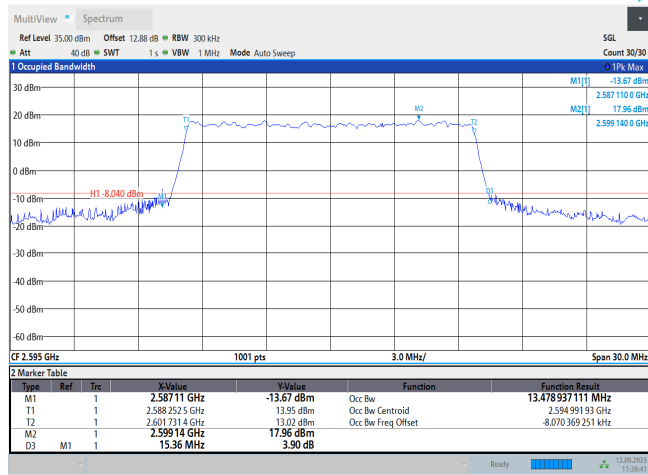


11:34:34 12.09.2023



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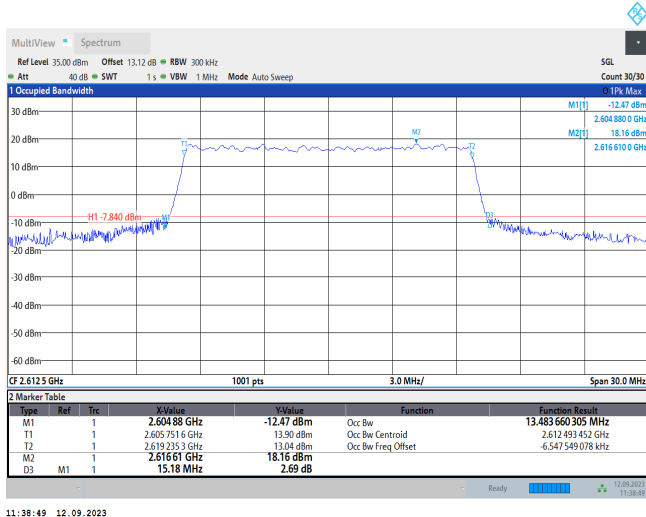
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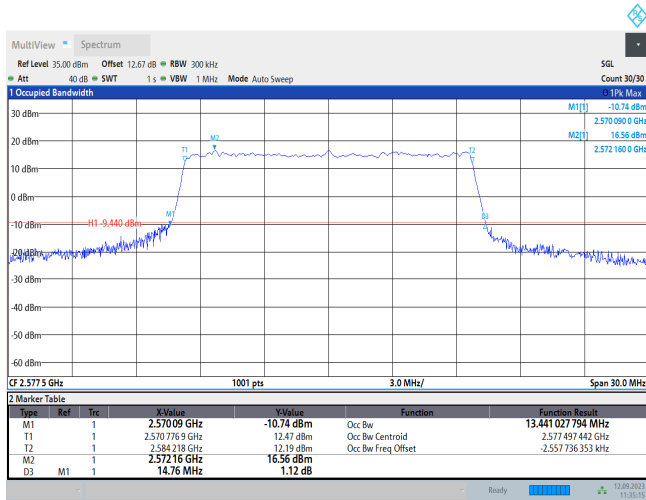


Band38-15MHz-16QAM-38175-75RB#0



11:38:49 12.09.2023

Band38-15MHz-64QAM-37825-75RB#0

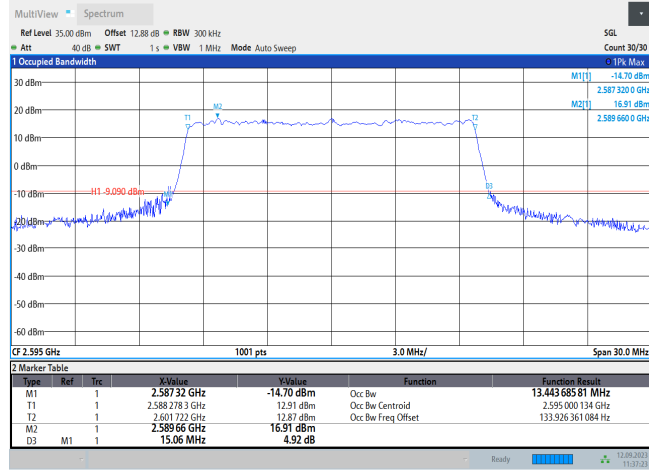


11:35:16 12.09.2023



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Band38-15MHz-64QAM-38000-75RB#0

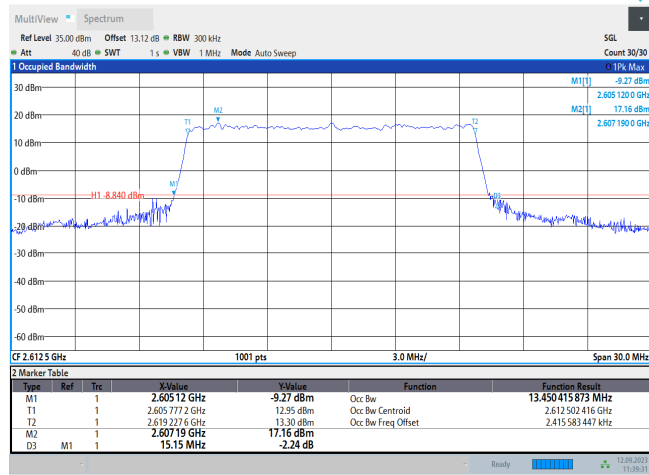


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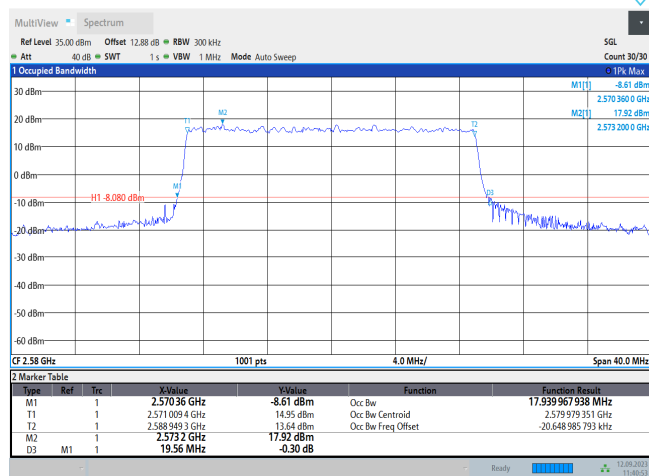
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Band38-15MHz-64QAM-38175-75RB#0



11:39:32 12.09.2023

Band38-20MHz-QPSK-37850-100RB#0

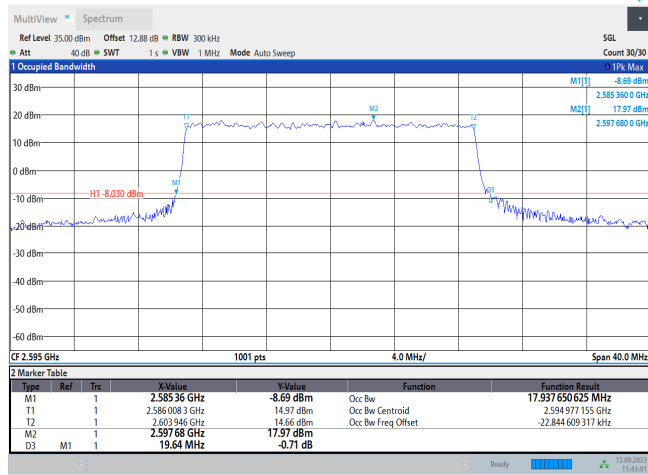


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Band38-20MHz-QPSK-38000-100RB#0



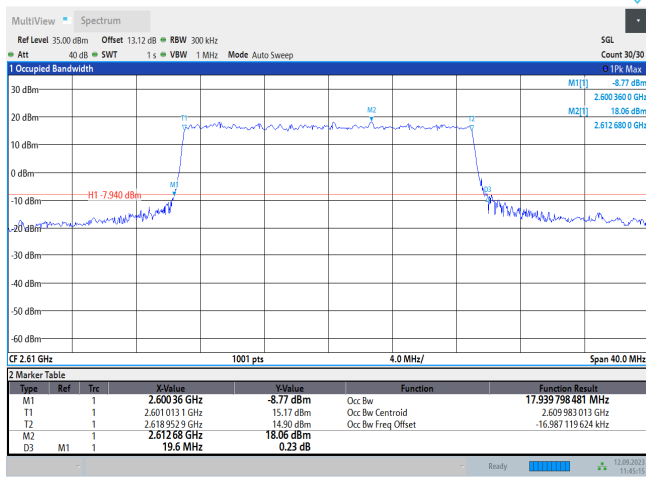
11:43:02 12:09:2023



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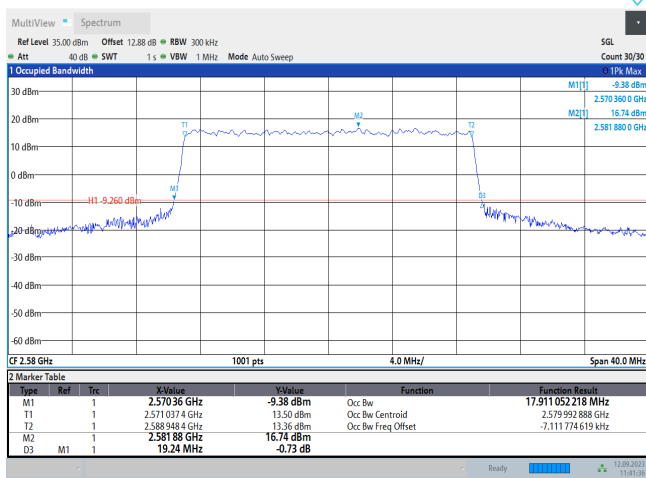
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Band38-20MHz-QPSK-38150-100RB#0



11:45:16 12.09.2023

Band38-20MHz-16QAM-37850-100RB#0



11:41:37 12.09.2023



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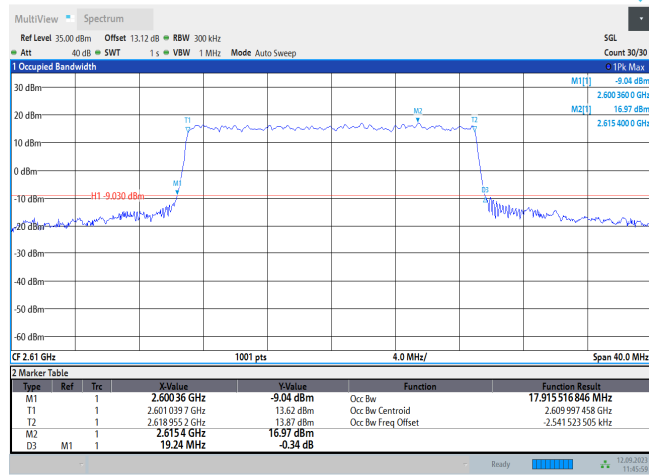
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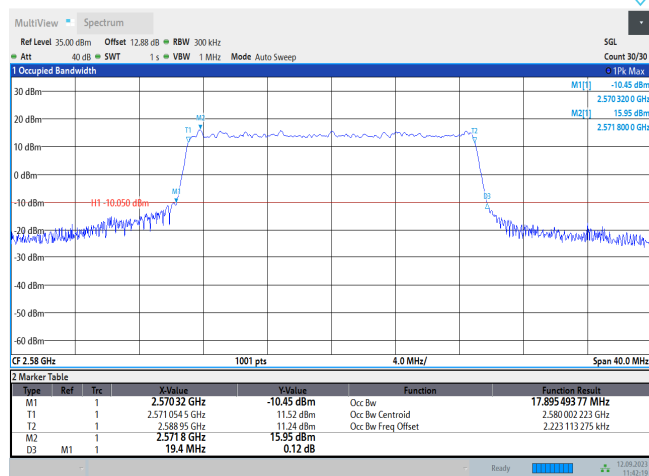


Band38-20MHz-16QAM-38150-100RB#0



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Band38-20MHz-64QAM-37850-100RB#0



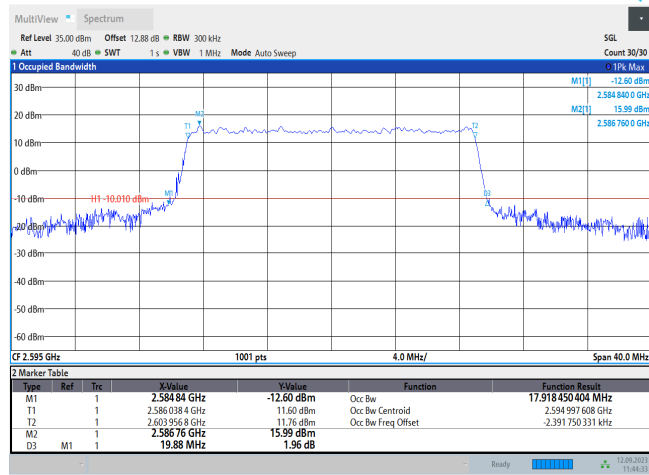
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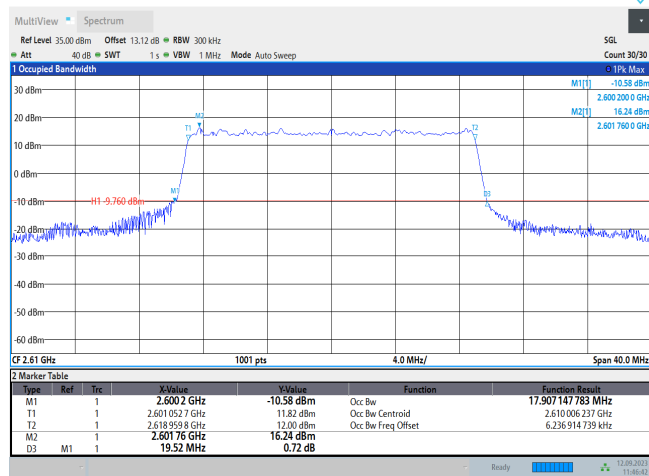
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Band38-20MHz-64QAM-38000-100RB#0



11:44:33 12.09.2023

Band38-20MHz-64QAM-38150-100RB#0



11:46:42 12.09.2023



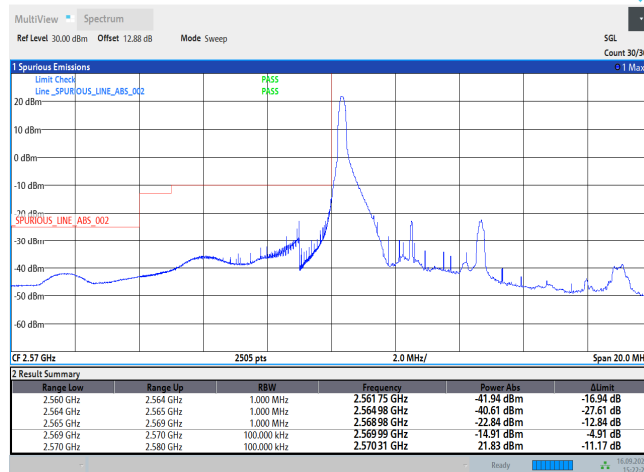
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Band Edge

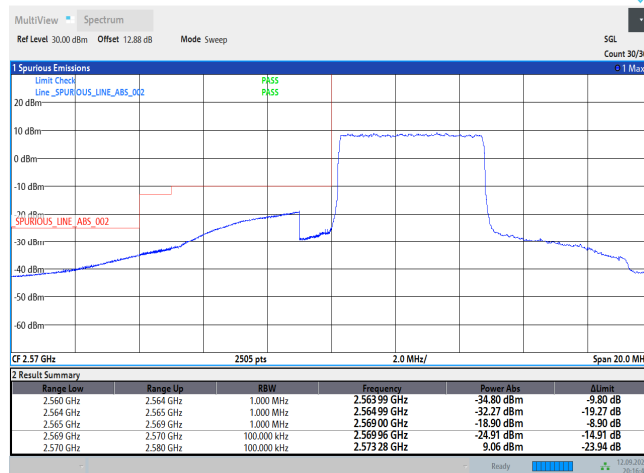
Test Graphs

Band38-5MHz-QPSK-37775-1RB#0



15:22:22 16.09.2023

Band38-5MHz-QPSK-37775-25RB#0



20:16:49 12.09.2023

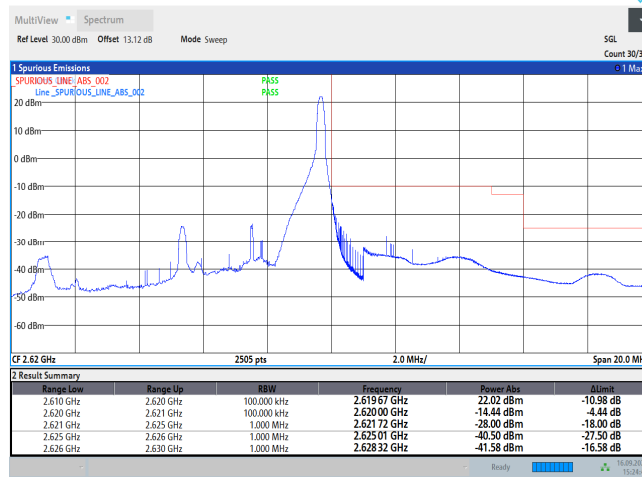


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Band38-5MHz-QPSK-38225-1RB#24



15:24:45 16. 09. 2023

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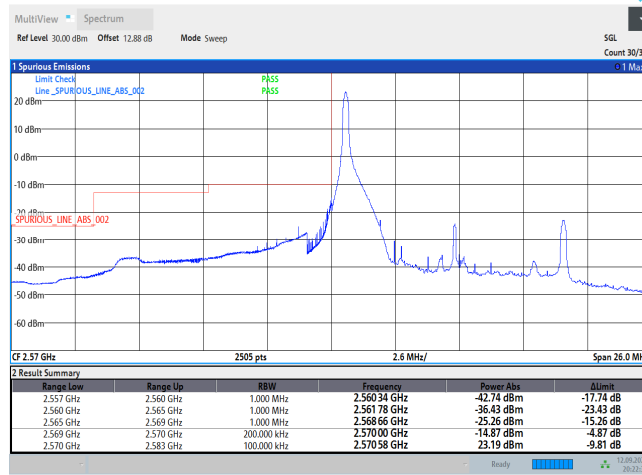


20:20:28 12. 09. 2023



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Band38-10MHz-QPSK-37800-1RB#0



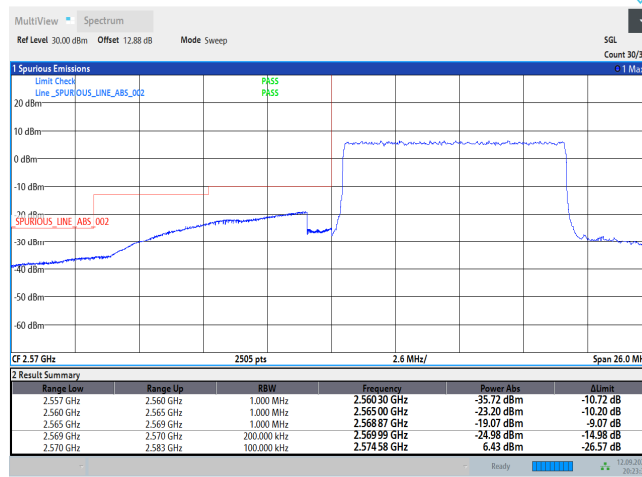
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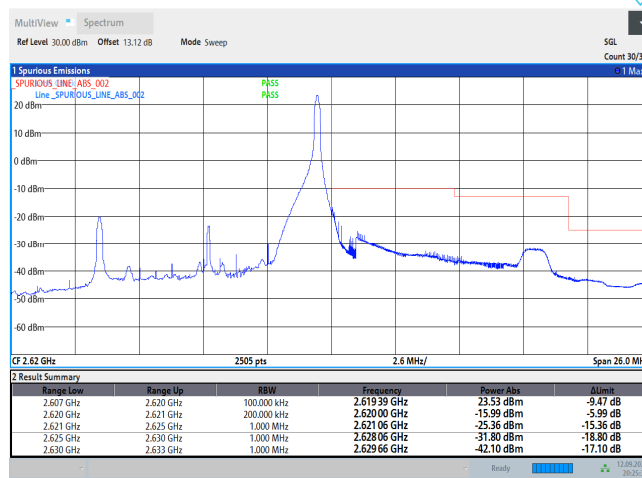
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Band38-10MHz-QPSK-37800-50RB#0



Band38-10MHz-QPSK-38200-1RB#49



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Band38-10MHz-QPSK-38200-50RB#0



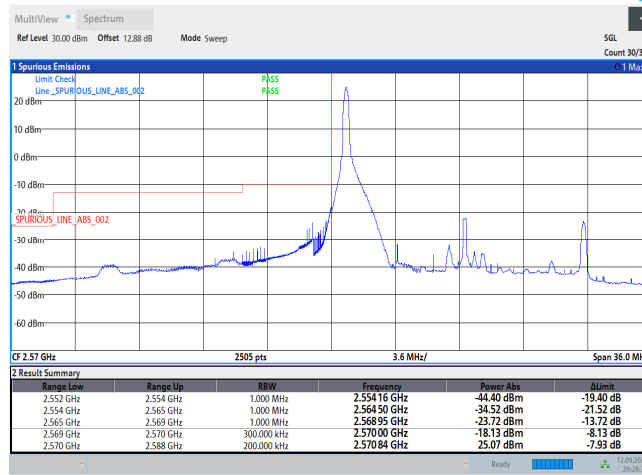
20:26:41 12:09:2023



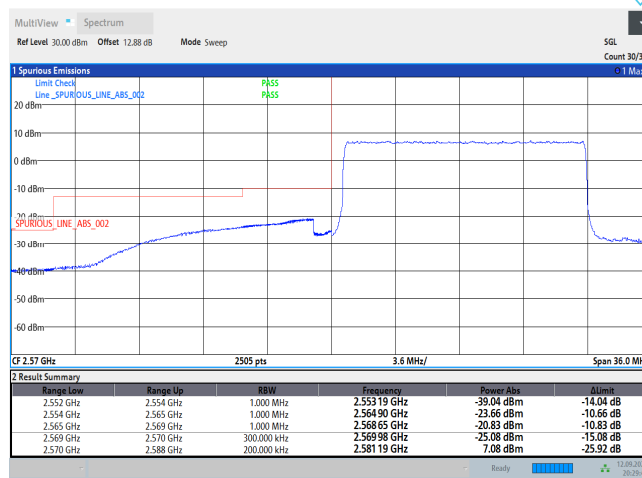
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Band38-15MHz-QPSK-37825-1RB#0

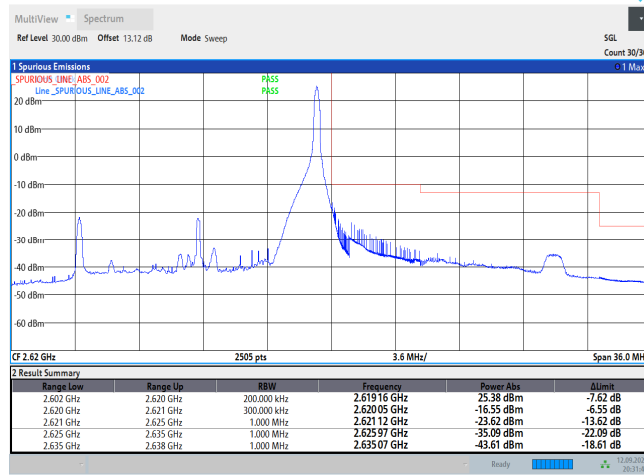


Band38-15MHz-QPSK-37825-75RB#0



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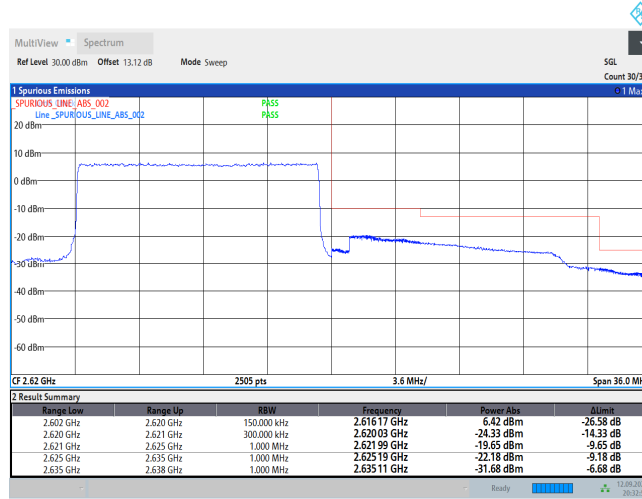
Band38-15MHz-QPSK-38175-1RB#74



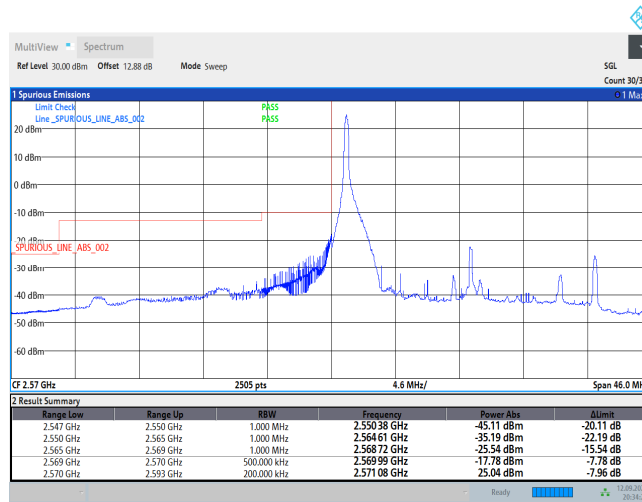
20:31:47 12:09:2023



Band38-15MHz-QPSK-38175-75RB#0



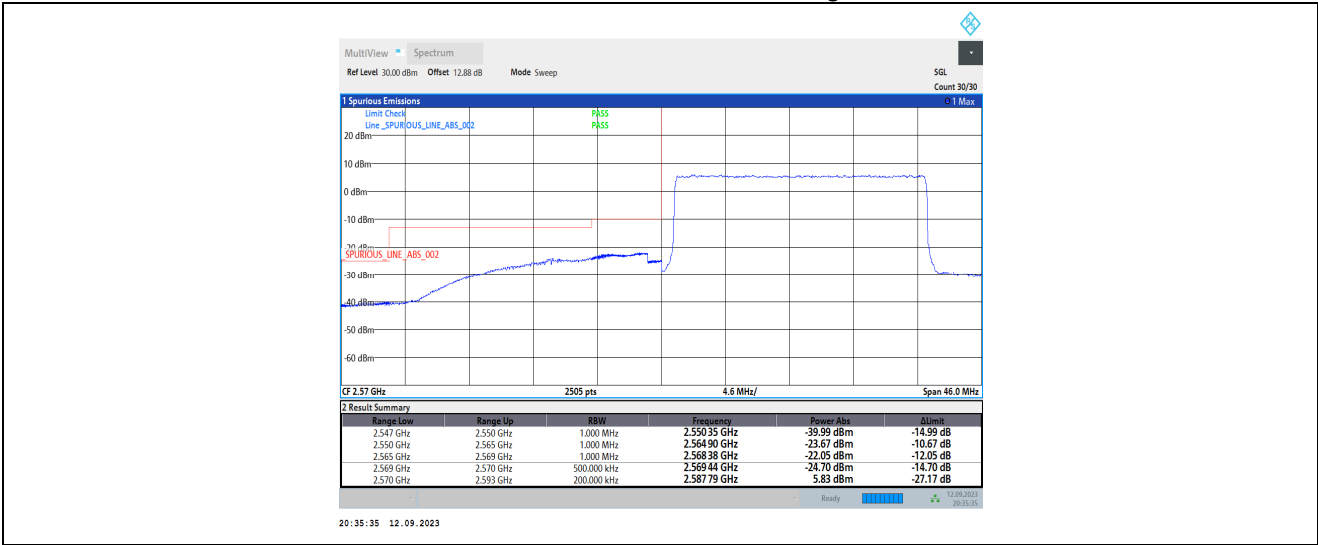
Band38-20MHz-QPSK-37850-1RB#0



Band38-20MHz-QPSK-37850-100RB#0



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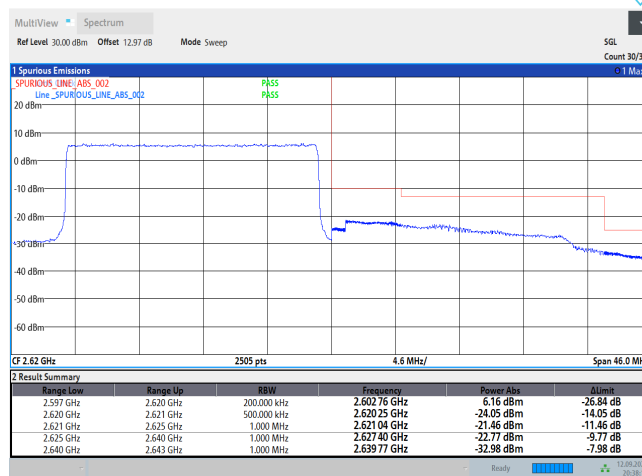
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Band38-20MHz-QPSK-38150-1RB#99



20:37:09 12.09.2023

Band38-20MHz-QPSK-38150-100RB#0



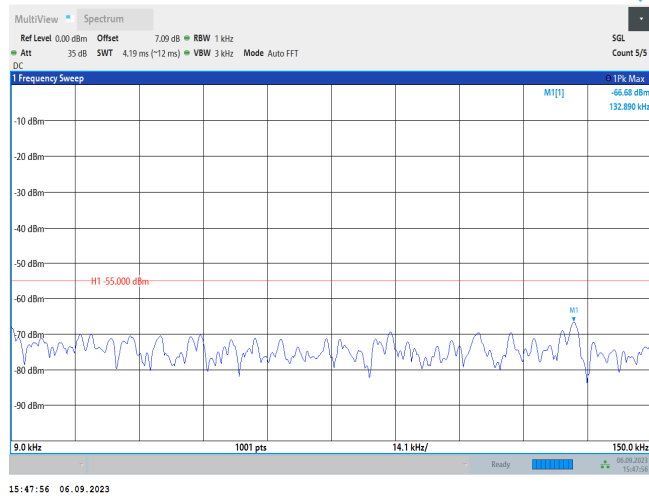
20:38:15 12.09.2023



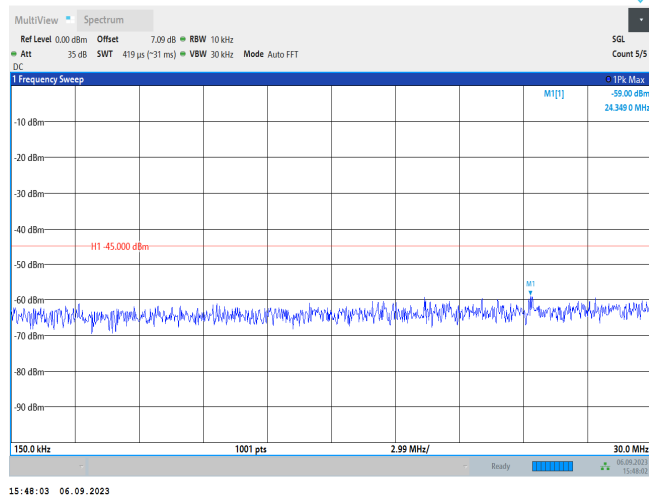
Conducted Spurious Emission

Test Graphs

Band38-20MHz-QPSK-37850-1RB#0-Range1:0.009~0.15MHz

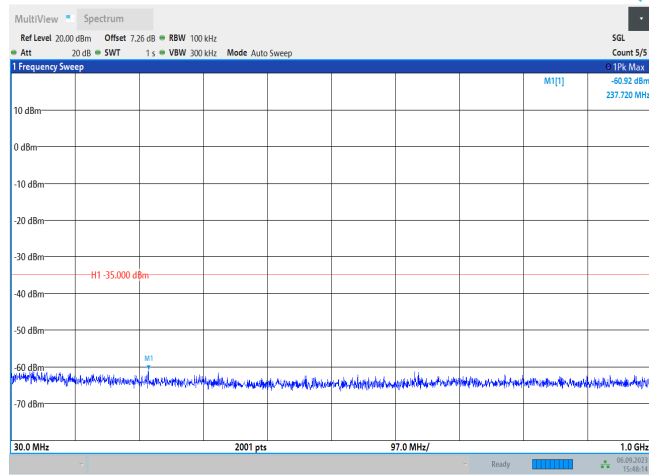


Band38-20MHz-QPSK-37850-1RB#0-Range2:0.15~30MHz



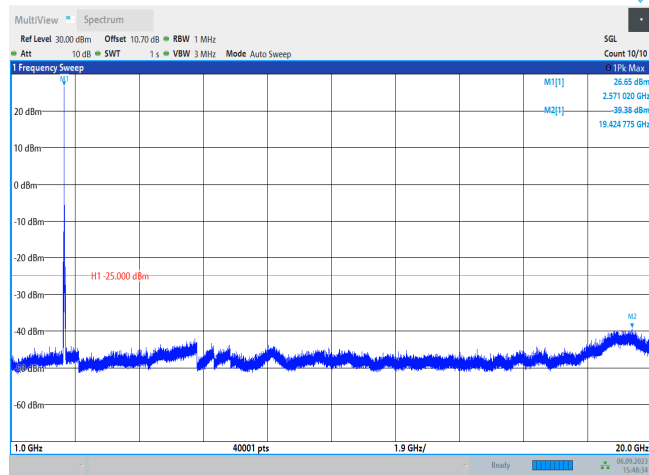
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Band38-20MHz-QPSK-37850-1RB#0-Range3:30~1000MHz



15:48:15 06.09.2023

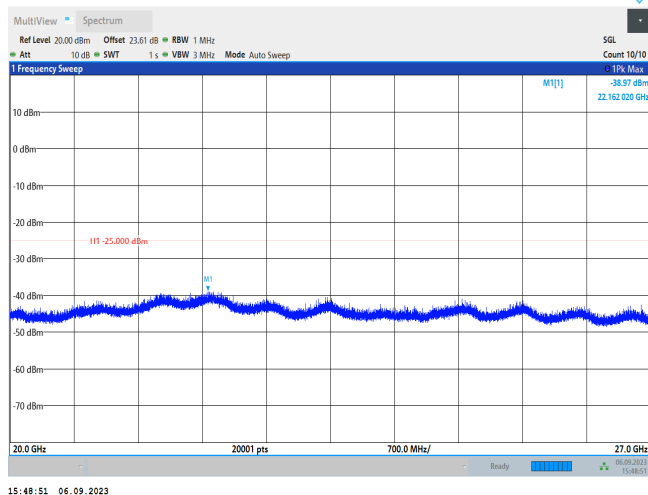
Band38-20MHz-QPSK-37850-1RB#0-Range4:1000~20000MHz



15:48:34 06.09.2023



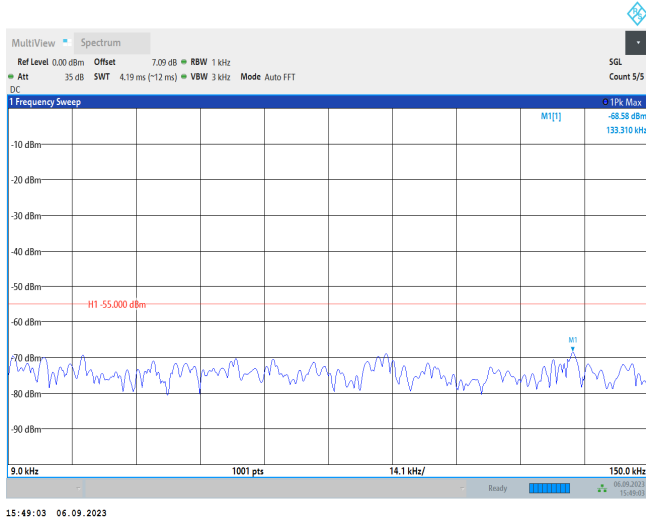
Band38-20MHz-QPSK-37850-1RB#0-Range5:20000~27000MHz



15:48:51 06.09.2023

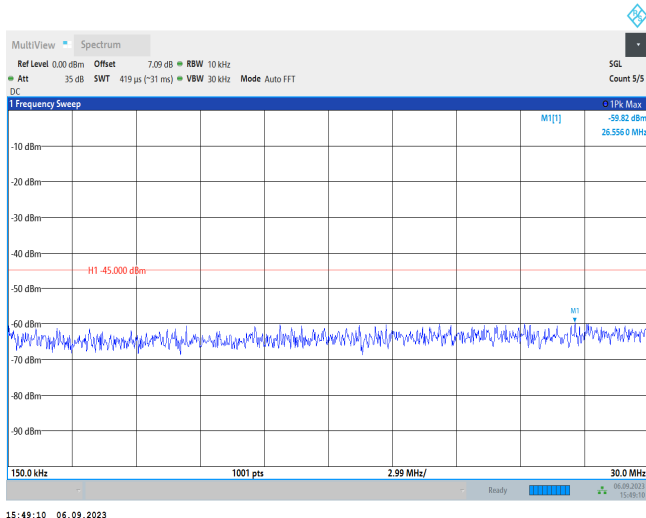


Band38-20MHz-QPSK-38000-1RB#0-Range1:0.009~0.15MHz



15:49:03 06.09.2023

Band38-20MHz-QPSK-38000-1RB#0-Range2:0.15~30MHz



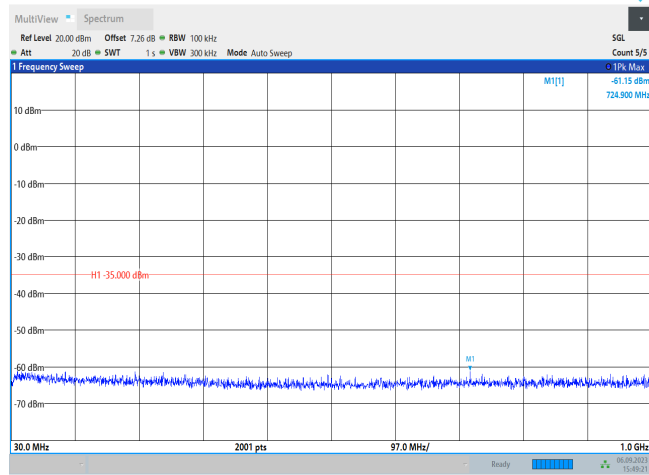
15:49:10 06.09.2023



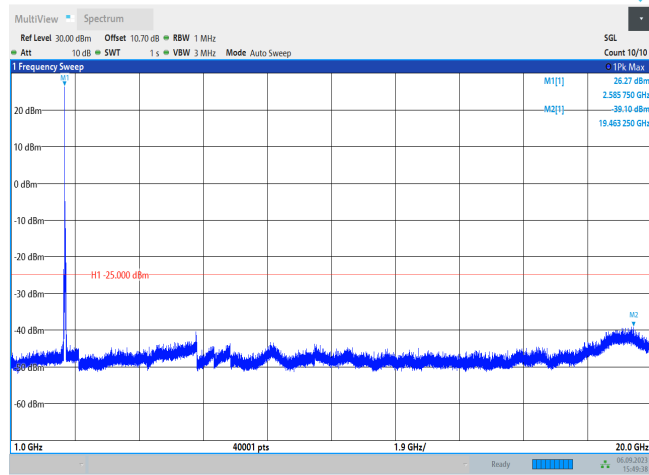
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Band38-20MHz-QPSK-38000-1RB#0-Range3:30~1000MHz

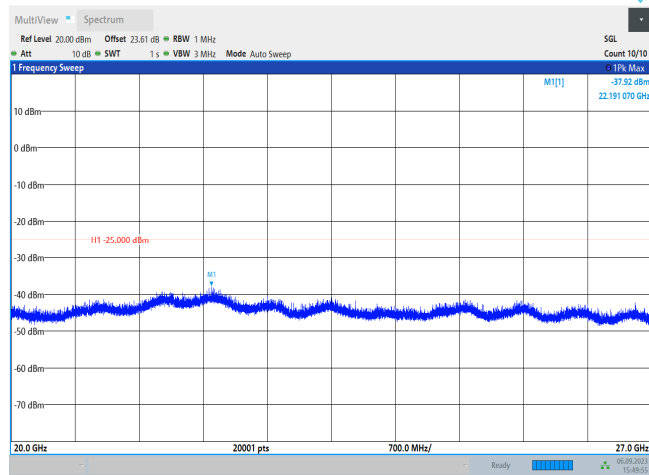


Band38-20MHz-QPSK-38000-1RB#0-Range4:1000~20000MHz



15:49:39 06.09.2023

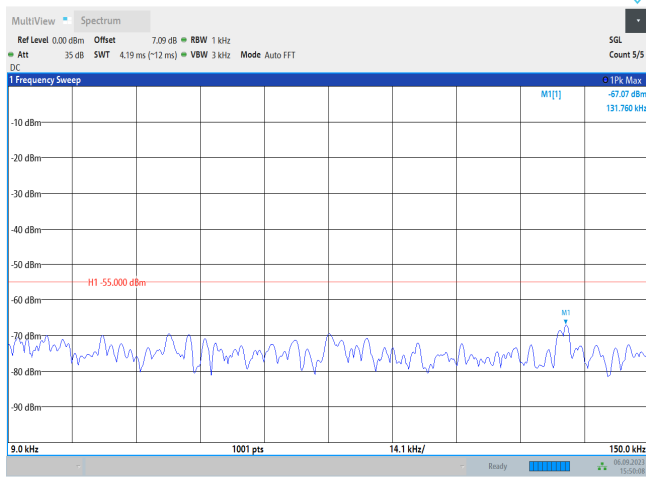
Band38-20MHz-QPSK-38000-1RB#0-Range5:20000~27000MHz



15:49:56 06.09.2023



Band38-20MHz-QPSK-38150-1RB#0-Range1:0.009~0.15MHz



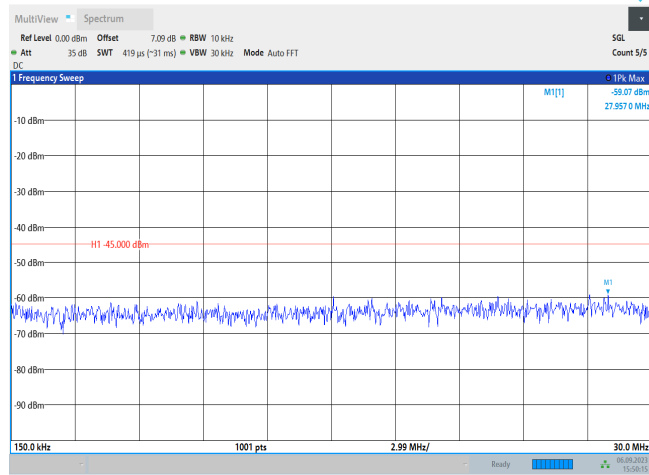
15:50:09 06.09.2023



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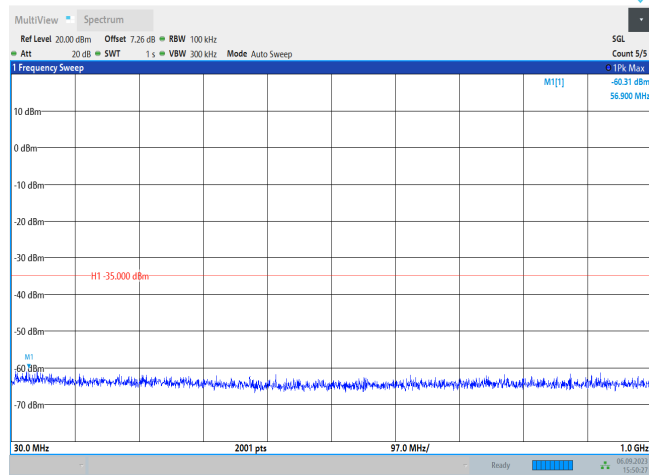
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Band38-20MHz-QPSK-38150-1RB#0-Range2:0.15~30MHz



15:50:16 06.09.2023

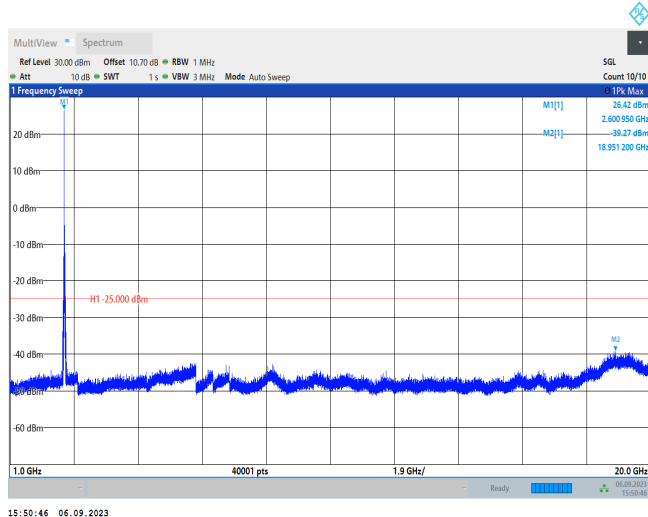
Band38-20MHz-QPSK-38150-1RB#0-Range3:30~1000MHz



15:50:28 06.09.2023

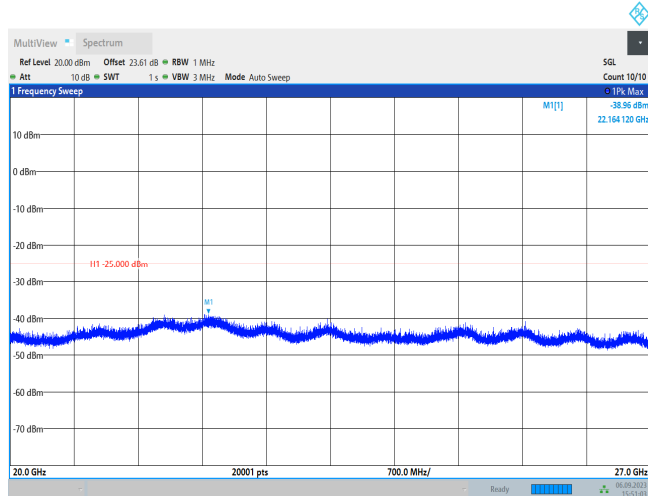


Band38-20MHz-QPSK-38150-1RB#0-Range4:1000~20000MHz



15:50:46 06.09.2023

Band38-20MHz-QPSK-38150-1RB#0-Range5:20000~27000MHz



15:51:03 06.09.2023



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Field Strength of Spurious Radiation

Test Band = LTE_38_20MHz

Test Channel = LCH

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2994.5	37.45	-21.78	28.57	-51.02	-25.00	26.02	Horizontal
2	3684.5	47.40	-44.49	29.30	-63.05	-25.00	38.05	Horizontal
3	5142.5	56.00	-42.53	31.76	-50.03	-25.00	25.03	Horizontal
4	7502.5	43.28	-38.30	36.88	-53.40	-25.00	28.40	Horizontal
5	11079	42.30	-37.46	40.18	-50.24	-25.00	25.24	Horizontal
6	16397.5	41.17	-34.83	38.79	-50.13	-25.00	25.13	Horizontal

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3000	37.47	-21.77	28.60	-50.96	-25.00	25.96	Vertical
2	5142.5	57.69	-42.53	31.76	-48.34	-25.00	23.34	Vertical
3	7713	43.34	-37.60	36.70	-52.82	-25.00	27.82	Vertical
4	9914	41.68	-35.33	38.61	-50.30	-25.00	25.30	Vertical
5	13605.5	41.99	-37.85	40.11	-51.01	-25.00	26.01	Vertical
6	17988	40.23	-43.13	47.98	-50.18	-25.00	25.18	Vertical



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Test Band = LTE_38_20MHz

Test Channel = MCH

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2941.5	37.54	-21.86	28.27	-51.31	-25.00	26.31	Horizontal
2	3938.5	46.59	-44.19	29.85	-63.01	-25.00	38.01	Horizontal
3	5172	54.69	-42.54	31.84	-51.27	-25.00	26.27	Horizontal
4	7426	43.48	-38.28	36.75	-53.31	-25.00	28.31	Horizontal
5	11117.5	42.95	-37.88	40.20	-49.99	-25.00	24.99	Horizontal
6	16397.5	40.95	-34.83	38.79	-50.35	-25.00	25.35	Horizontal

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2976	37.63	-21.81	28.46	-50.98	-25.00	25.98	Vertical
2	3883	47.12	-44.32	29.70	-62.76	-25.00	37.76	Vertical
3	5172	56.83	-42.54	31.84	-49.13	-25.00	24.13	Vertical
4	7427	43.51	-38.28	36.75	-53.28	-25.00	28.28	Vertical
5	11030	42.18	-37.16	40.13	-50.11	-25.00	25.11	Vertical
6	17991.5	40.06	-43.11	48.05	-50.26	-25.00	25.26	Vertical



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Test Band = LTE_38_20MHz
Test Channel = HCH

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2990.5	37.73	-21.78	28.54	-50.77	-25.00	25.77	Horizontal
2	3927	46.96	-44.19	29.81	-62.68	-25.00	37.68	Horizontal
3	5202	54.87	-42.55	31.89	-51.05	-25.00	26.05	Horizontal
4	7482.5	43.82	-38.29	36.87	-52.86	-25.00	27.86	Horizontal
5	9892	41.40	-35.02	38.54	-50.34	-25.00	25.34	Horizontal
6	16390	40.80	-34.88	38.77	-50.57	-25.00	25.57	Horizontal

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2993	37.71	-21.78	28.56	-50.77	-25.00	25.77	Vertical
2	3931	46.68	-44.19	29.82	-62.95	-25.00	37.95	Vertical
3	5202	56.23	-42.55	31.89	-49.69	-25.00	24.69	Vertical
4	7428.5	43.48	-38.28	36.76	-53.30	-25.00	28.30	Vertical
5	9883	41.68	-35.09	38.46	-50.21	-25.00	25.21	Vertical
6	17991.5	40.11	-43.11	48.05	-50.21	-25.00	25.21	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) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-13.22	-0.005094	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-10.49	-0.004042	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-11.29	-0.004351	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-6.05	-0.002331	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	-14.20	-0.005472	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-10	8.55	0.003295	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	7.65	0.002948	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-11.70	-0.004509	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	-10.66	-0.004108	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-11.14	-0.004293	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-5.24	-0.002019	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	-10.74	-0.004139	PASS

---End of Attachment---



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