Appendix B.13

LTE Band 38

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Effective (Isotropic) Radiated Power Output Data

Test ResultAnt7

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	25.53	27.22	33	PASS
Band38	5MHz	QPSK	37775	1RB#12	25.53	27.22	33	PASS
Band38	5MHz	QPSK	37775	1RB#24	25.21	26.9	33	PASS
Band38	5MHz	QPSK	37775	25RB#0	24.17	25.86	33	PASS
Band38	5MHz	QPSK	38000	1RB#0	25.34	27.03	33	PASS
Band38	5MHz	QPSK	38000	1RB#12	25.29	26.98	33	PASS
Band38	5MHz	QPSK	38000	1RB#24	25.11	26.8	33	PASS
Band38	5MHz	QPSK	38000	25RB#0	24.16	25.85	33	PASS
Band38	5MHz	QPSK	38225	1RB#0	25.55	27.24	33	PASS
Band38	5MHz	QPSK	38225	1RB#12	25.23	26.92	33	PASS
Band38	5MHz	QPSK	38225	1RB#24	24.98	26.67	33	PASS
Band38	5MHz	QPSK	38225	25RB#0	24.21	25.9	33	PASS
Band38	5MHz	16QAM	37775	1RB#0	24.46	26.15	33	PASS
Band38	5MHz	16QAM	37775	1RB#12	24.34	26.03	33	PASS
Band38	5MHz	16QAM	37775	1RB#24	24.21	25.9	33	PASS
Band38	5MHz	16QAM	37775	25RB#0	23.14	24.83	33	PASS
Band38	5MHz	16QAM	38000	1RB#0	24.44	26.13	33	PASS
Band38	5MHz	16QAM	38000	1RB#12	24.58	26.27	33	PASS
Band38	5MHz	16QAM	38000	1RB#24	24.3	25.99	33	PASS
Band38	5MHz	16QAM	38000	25RB#0	23.13	24.82	33	PASS
Band38	5MHz	16QAM	38225	1RB#0	24.52	26.21	33	PASS
Band38	5MHz	16QAM	38225	1RB#12	24.41	26.1	33	PASS
Band38	5MHz	16QAM	38225	1RB#24	24.33	26.02	33	PASS
Band38	5MHz	16QAM	38225	25RB#0	23.31	25	33	PASS
Band38	5MHz	64QAM	37775	1RB#0	23.27	24.96	33	PASS
Band38	5MHz	64QAM	37775	1RB#12	23.26	24.95	33	PASS
Band38	5MHz	64QAM	37775	1RB#24	23.12	24.81	33	PASS

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Band38	5MHz	64QAM	37775	25RB#0	22.25	23.94	33	PASS
Band38	5MHz	64QAM	38000	1RB#0	23.16	24.85	33	PASS
Band38	5MHz	64QAM	38000	1RB#12	23.18	24.87	33	PASS
Band38	5MHz	64QAM	38000	1RB#24	23.03	24.72	33	PASS
Band38	5MHz	64QAM	38000	25RB#0	22.34	24.03	33	PASS
Band38	5MHz	64QAM	38225	1RB#0	23.32	25.01	33	PASS
Band38	5MHz	64QAM	38225	1RB#12	23.36	25.05	33	PASS
Band38	5MHz	64QAM	38225	1RB#24	23.18	24.87	33	PASS
Band38	5MHz	64QAM	38225	25RB#0	22.35	24.04	33	PASS
Band38	5MHz	256QAM	37775	1RB#0	20.33	22.02	33	PASS
Band38	5MHz	256QAM	37775	1RB#12	20.33	22.02	33	PASS
Band38	5MHz	256QAM	37775	1RB#24	20.12	21.81	33	PASS
Band38	5MHz	256QAM	37775	25RB#0	20.25	21.94	33	PASS
Band38	5MHz	256QAM	38000	1RB#0	20.44	22.13	33	PASS
Band38	5MHz	256QAM	38000	1RB#12	20.36	22.05	33	PASS
Band38	5MHz	256QAM	38000	1RB#24	20.04	21.73	33	PASS
Band38	5MHz	256QAM	38000	25RB#0	20.27	21.96	33	PASS
Band38	5MHz	256QAM	38225	1RB#0	20.27	21.96	33	PASS
Band38	5MHz	256QAM	38225	1RB#12	20.23	21.92	33	PASS
Band38	5MHz	256QAM	38225	1RB#24	20.15	21.84	33	PASS
Band38	5MHz	256QAM	38225	25RB#0	20.39	22.08	33	PASS
Band38	10MHz	QPSK	37800	1RB#0	25.28	26.97	33	PASS
Band38	10MHz	QPSK	37800	1RB#24	25.34	27.03	33	PASS
Band38	10MHz	QPSK	37800	1RB#49	25.15	26.84	33	PASS
Band38	10MHz	QPSK	37800	50RB#0	24.38	26.07	33	PASS
Band38	10MHz	QPSK	38000	1RB#0	25.6	27.29	33	PASS
Band38	10MHz	QPSK	38000	1RB#24	25.42	27.11	33	PASS
Band38	10MHz	QPSK	38000	1RB#49	25.29	26.98	33	PASS
Band38	10MHz	QPSK	38000	50RB#0	24.35	26.04	33	PASS
Band38	10MHz	QPSK	38200	1RB#0	25.7	27.39	33	PASS
Band38	10MHz	QPSK	38200	1RB#24	25.33	27.02	33	PASS
Band38	10MHz	QPSK	38200	1RB#49	25.26	26.95	33	PASS

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Band38	10MHz	QPSK	38200	50RB#0	24.46	26.15	33	PASS
Band38	10MHz	16QAM	37800	1RB#0	24.59	26.28	33	PASS
Band38	10MHz	16QAM	37800	1RB#24	24.54	26.23	33	PASS
Band38	10MHz	16QAM	37800	1RB#49	24.43	26.12	33	PASS
Band38	10MHz	16QAM	37800	50RB#0	23.4	25.09	33	PASS
Band38	10MHz	16QAM	38000	1RB#0	24.58	26.27	33	PASS
Band38	10MHz	16QAM	38000	1RB#24	24.6	26.29	33	PASS
Band38	10MHz	16QAM	38000	1RB#49	24.48	26.17	33	PASS
Band38	10MHz	16QAM	38000	50RB#0	23.39	25.08	33	PASS
Band38	10MHz	16QAM	38200	1RB#0	24.6	26.29	33	PASS
Band38	10MHz	16QAM	38200	1RB#24	24.54	26.23	33	PASS
Band38	10MHz	16QAM	38200	1RB#49	24.51	26.2	33	PASS
Band38	10MHz	16QAM	38200	50RB#0	23.45	25.14	33	PASS
Band38	10MHz	64QAM	37800	1RB#0	23.44	25.13	33	PASS
Band38	10MHz	64QAM	37800	1RB#24	23.48	25.17	33	PASS
Band38	10MHz	64QAM	37800	1RB#49	23.24	24.93	33	PASS
Band38	10MHz	64QAM	37800	50RB#0	22.42	24.11	33	PASS
Band38	10MHz	64QAM	38000	1RB#0	23.32	25.01	33	PASS
Band38	10MHz	64QAM	38000	1RB#24	23.5	25.19	33	PASS
Band38	10MHz	64QAM	38000	1RB#49	23.4	25.09	33	PASS
Band38	10MHz	64QAM	38000	50RB#0	22.49	24.18	33	PASS
Band38	10MHz	64QAM	38200	1RB#0	23.43	25.12	33	PASS
Band38	10MHz	64QAM	38200	1RB#24	23.34	25.03	33	PASS
Band38	10MHz	64QAM	38200	1RB#49	23.4	25.09	33	PASS
Band38	10MHz	64QAM	38200	50RB#0	22.42	24.11	33	PASS
Band38	10MHz	256QAM	37800	1RB#0	20.48	22.17	33	PASS
Band38	10MHz	256QAM	37800	1RB#24	20.54	22.23	33	PASS
Band38	10MHz	256QAM	37800	1RB#49	20.31	22	33	PASS
Band38	10MHz	256QAM	37800	50RB#0	20.59	22.28	33	PASS
Band38	10MHz	256QAM	38000	1RB#0	20.46	22.15	33	PASS
Band38	10MHz	256QAM	38000	1RB#24	20.41	22.1	33	PASS
Band38	10MHz	256QAM	38000	1RB#49	20.34	22.03	33	PASS

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Band38	10MHz	256QAM	38000	50RB#0	20.6	22.29	33	PASS
Band38	10MHz	256QAM	38200	1RB#0	20.49	22.18	33	PASS
Band38	10MHz	256QAM	38200	1RB#24	20.52	22.21	33	PASS
Band38	10MHz	256QAM	38200	1RB#49	20.35	22.04	33	PASS
Band38	10MHz	256QAM	38200	50RB#0	20.52	22.21	33	PASS
Band38	15MHz	QPSK	37825	1RB#0	25.35	27.04	33	PASS
Band38	15MHz	QPSK	37825	1RB#38	25.41	27.1	33	PASS
Band38	15MHz	QPSK	37825	1RB#74	25.39	27.08	33	PASS
Band38	15MHz	QPSK	37825	75RB#0	24.55	26.24	33	PASS
Band38	15MHz	QPSK	38000	1RB#0	25.44	27.13	33	PASS
Band38	15MHz	QPSK	38000	1RB#38	25.34	27.03	33	PASS
Band38	15MHz	QPSK	38000	1RB#74	25.32	27.01	33	PASS
Band38	15MHz	QPSK	38000	75RB#0	24.42	26.11	33	PASS
Band38	15MHz	QPSK	38175	1RB#0	25.65	27.34	33	PASS
Band38	15MHz	QPSK	38175	1RB#38	25.39	27.08	33	PASS
Band38	15MHz	QPSK	38175	1RB#74	25.46	27.15	33	PASS
Band38	15MHz	QPSK	38175	75RB#0	24.4	26.09	33	PASS
Band38	15MHz	16QAM	37825	1RB#0	24.56	26.25	33	PASS
Band38	15MHz	16QAM	37825	1RB#38	24.43	26.12	33	PASS
Band38	15MHz	16QAM	37825	1RB#74	24.59	26.28	33	PASS
Band38	15MHz	16QAM	37825	75RB#0	23.55	25.24	33	PASS
Band38	15MHz	16QAM	38000	1RB#0	24.54	26.23	33	PASS
Band38	15MHz	16QAM	38000	1RB#38	24.54	26.23	33	PASS
Band38	15MHz	16QAM	38000	1RB#74	24.51	26.2	33	PASS
Band38	15MHz	16QAM	38000	75RB#0	23.52	25.21	33	PASS
Band38	15MHz	16QAM	38175	1RB#0	24.69	26.38	33	PASS
Band38	15MHz	16QAM	38175	1RB#38	24.64	26.33	33	PASS
Band38	15MHz	16QAM	38175	1RB#74	24.65	26.34	33	PASS
Band38	15MHz	16QAM	38175	75RB#0	23.48	25.17	33	PASS
Band38	15MHz	64QAM	37825	1RB#0	23.44	25.13	33	PASS
Band38	15MHz	64QAM	37825	1RB#38	23.29	24.98	33	PASS
Band38	15MHz	64QAM	37825	1RB#74	23.46	25.15	33	PASS

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Band38	15MHz	64QAM	37825	75RB#0	22.63	24.32	33	PASS
Band38	15MHz	64QAM	38000	1RB#0	23.42	25.11	33	PASS
Band38	15MHz	64QAM	38000	1RB#38	23.28	24.97	33	PASS
Band38	15MHz	64QAM	38000	1RB#74	23.46	25.15	33	PASS
Band38	15MHz	64QAM	38000	75RB#0	22.39	24.08	33	PASS
Band38	15MHz	64QAM	38175	1RB#0	23.4	25.09	33	PASS
Band38	15MHz	64QAM	38175	1RB#38	23.25	24.94	33	PASS
Band38	15MHz	64QAM	38175	1RB#74	23.55	25.24	33	PASS
Band38	15MHz	64QAM	38175	75RB#0	22.49	24.18	33	PASS
Band38	15MHz	256QAM	37825	1RB#0	20.51	22.2	33	PASS
Band38	15MHz	256QAM	37825	1RB#38	20.4	22.09	33	PASS
Band38	15MHz	256QAM	37825	1RB#74	20.43	22.12	33	PASS
Band38	15MHz	256QAM	37825	75RB#0	20.6	22.29	33	PASS
Band38	15MHz	256QAM	38000	1RB#0	20.52	22.21	33	PASS
Band38	15MHz	256QAM	38000	1RB#38	20.43	22.12	33	PASS
Band38	15MHz	256QAM	38000	1RB#74	20.49	22.18	33	PASS
Band38	15MHz	256QAM	38000	75RB#0	20.58	22.27	33	PASS
Band38	15MHz	256QAM	38175	1RB#0	20.36	22.05	33	PASS
Band38	15MHz	256QAM	38175	1RB#38	20.48	22.17	33	PASS
Band38	15MHz	256QAM	38175	1RB#74	20.47	22.16	33	PASS
Band38	15MHz	256QAM	38175	75RB#0	20.37	22.06	33	PASS
Band38	20MHz	QPSK	37850	1RB#0	25.19	26.88	33	PASS
Band38	20MHz	QPSK	37850	1RB#49	25.19	26.88	33	PASS
Band38	20MHz	QPSK	37850	1RB#99	25.41	27.1	33	PASS
Band38	20MHz	QPSK	37850	100RB#0	24.37	26.06	33	PASS
Band38	20MHz	QPSK	38000	1RB#0	25.65	27.34	33	PASS
Band38	20MHz	QPSK	38000	1RB#49	25.4	27.09	33	PASS
Band38	20MHz	QPSK	38000	1RB#99	25.3	26.99	33	PASS
Band38	20MHz	QPSK	38000	100RB#0	24.36	26.05	33	PASS
Band38	20MHz	QPSK	38150	1RB#0	25.67	27.36	33	PASS
Band38	20MHz	QPSK	38150	1RB#49	25.37	27.06	33	PASS
Band38	20MHz	QPSK	38150	1RB#99	25.35	27.04	33	PASS

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Band38	20MHz	QPSK	38150	100RB#0	24.55	26.24	33	PASS
Band38	20MHz	16QAM	37850	1RB#0	24.53	26.22	33	PASS
Band38	20MHz	16QAM	37850	1RB#49	24.62	26.31	33	PASS
Band38	20MHz	16QAM	37850	1RB#99	24.74	26.43	33	PASS
Band38	20MHz	16QAM	37850	100RB#0	23.48	25.17	33	PASS
Band38	20MHz	16QAM	38000	1RB#0	24.58	26.27	33	PASS
Band38	20MHz	16QAM	38000	1RB#49	24.62	26.31	33	PASS
Band38	20MHz	16QAM	38000	1RB#99	24.52	26.21	33	PASS
Band38	20MHz	16QAM	38000	100RB#0	23.51	25.2	33	PASS
Band38	20MHz	16QAM	38150	1RB#0	24.67	26.36	33	PASS
Band38	20MHz	16QAM	38150	1RB#49	24.65	26.34	33	PASS
Band38	20MHz	16QAM	38150	1RB#99	24.79	26.48	33	PASS
Band38	20MHz	16QAM	38150	100RB#0	23.52	25.21	33	PASS
Band38	20MHz	64QAM	37850	1RB#0	23.39	25.08	33	PASS
Band38	20MHz	64QAM	37850	1RB#49	23.23	24.92	33	PASS
Band38	20MHz	64QAM	37850	1RB#99	23.49	25.18	33	PASS
Band38	20MHz	64QAM	37850	100RB#0	22.42	24.11	33	PASS
Band38	20MHz	64QAM	38000	1RB#0	23.3	24.99	33	PASS
Band38	20MHz	64QAM	38000	1RB#49	23.38	25.07	33	PASS
Band38	20MHz	64QAM	38000	1RB#99	23.4	25.09	33	PASS
Band38	20MHz	64QAM	38000	100RB#0	22.43	24.12	33	PASS
Band38	20MHz	64QAM	38150	1RB#0	23.41	25.1	33	PASS
Band38	20MHz	64QAM	38150	1RB#49	23.45	25.14	33	PASS
Band38	20MHz	64QAM	38150	1RB#99	23.52	25.21	33	PASS
Band38	20MHz	64QAM	38150	100RB#0	22.56	24.25	33	PASS
Band38	20MHz	256QAM	37850	1RB#0	20.37	22.06	33	PASS
Band38	20MHz	256QAM	37850	1RB#49	20.42	22.11	33	PASS
Band38	20MHz	256QAM	37850	1RB#99	20.41	22.1	33	PASS
Band38	20MHz	256QAM	37850	100RB#0	20.64	22.33	33	PASS
Band38	20MHz	256QAM	38000	1RB#0	20.53	22.22	33	PASS
Band38	20MHz	256QAM	38000	1RB#49	20.48	22.17	33	PASS
Band38	20MHz	256QAM	38000	1RB#99	20.63	22.32	33	PASS

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Band38	20MHz	256QAM	38000	100RB#0	20.54	22.23	33	PASS
Band38	20MHz	256QAM	38150	1RB#0	20.35	22.04	33	PASS
Band38	20MHz	256QAM	38150	1RB#49	20.48	22.17	33	PASS
Band38	20MHz	256QAM	38150	1RB#99	20.54	22.23	33	PASS
Band38	20MHz	256QAM	38150	100RB#0	20.57	22.26	33	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	8.96	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	9.04	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	8.88	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.58	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.60	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.66	13	PASS
Band38	20MHz	64QAM	37850	100RB#0	9.86	13	PASS
Band38	20MHz	64QAM	38000	100RB#0	9.90	13	PASS
Band38	20MHz	64QAM	38150	100RB#0	9.70	13	PASS
Band38	20MHz	256QAM	37850	100RB#0	10.22	13	PASS
Band38	20MHz	256QAM	38000	100RB#0	10.20	13	PASS
Band38	20MHz	256QAM	38150	100RB#0	10.26	13	PASS

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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratory

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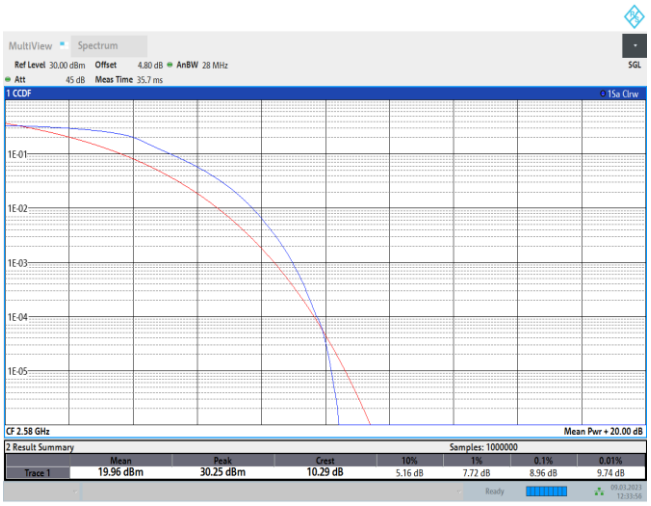
Test Graphs

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


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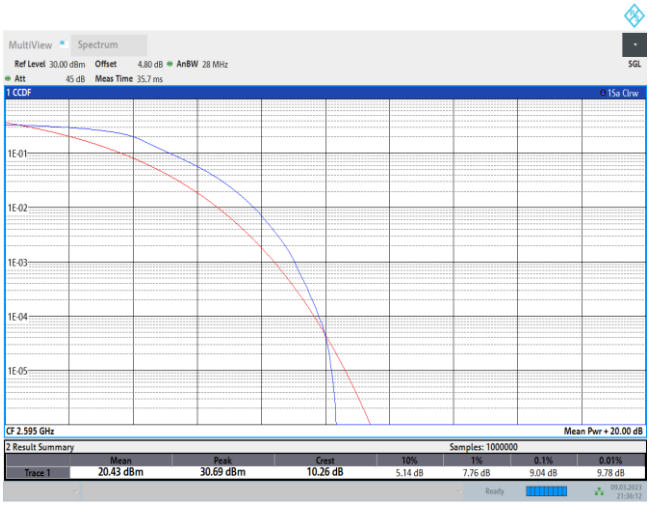

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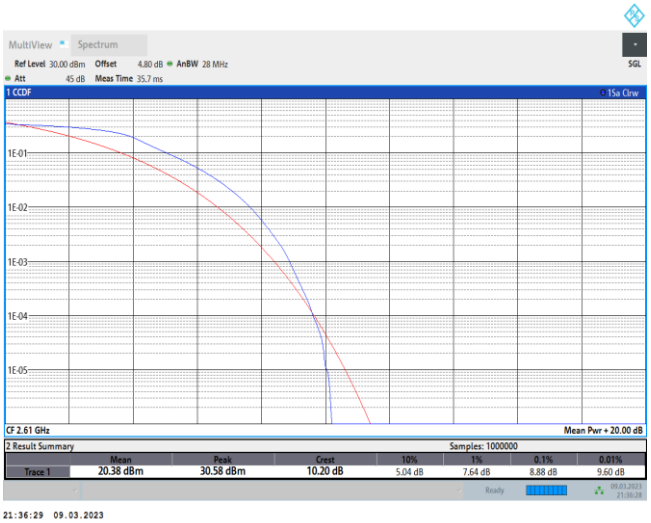
Band38-20MHz-QPSK-38150-100RB#0


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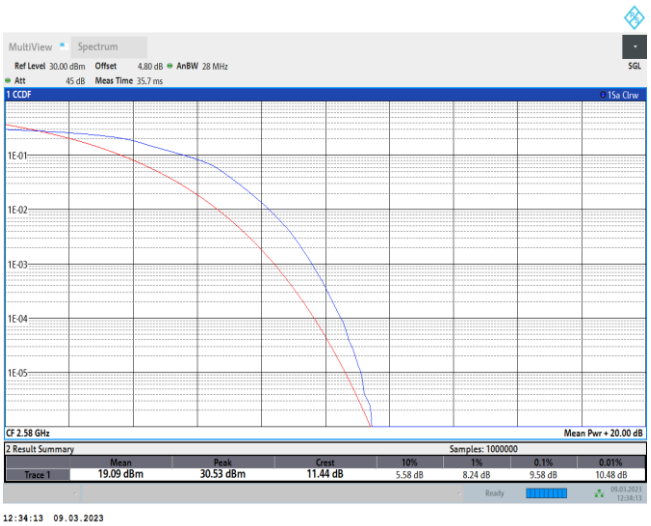

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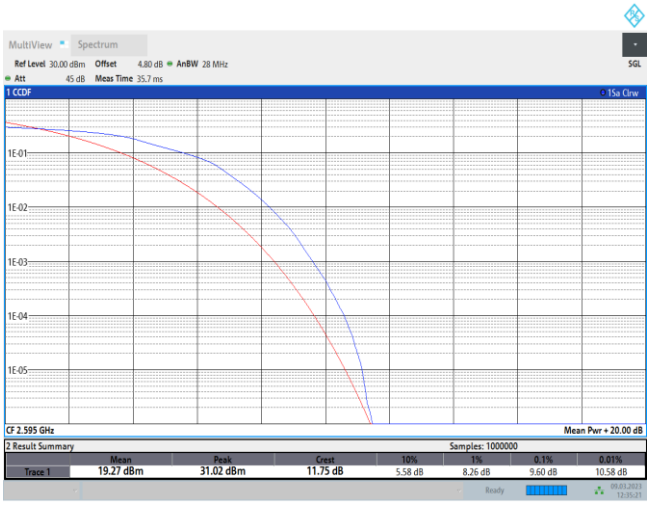
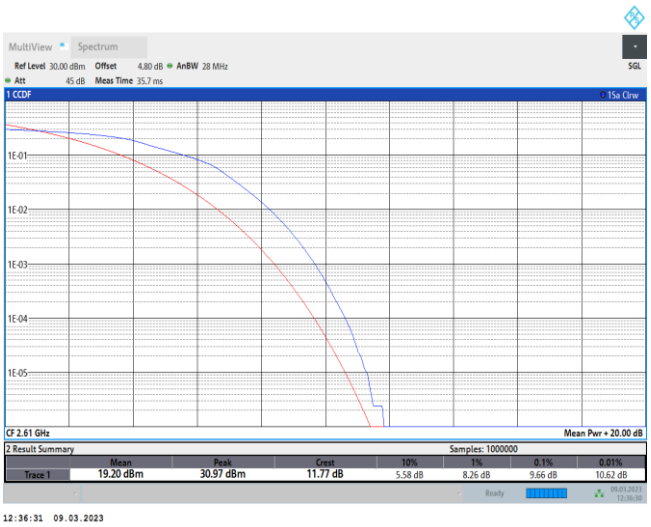


Band38-20MHz-16QAM-38150-100RB#0


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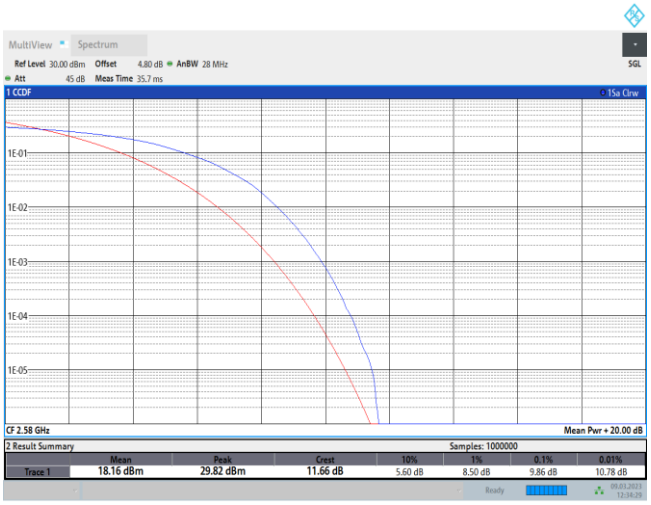
Band38-20MHz-64QAM-37850-100RB#0


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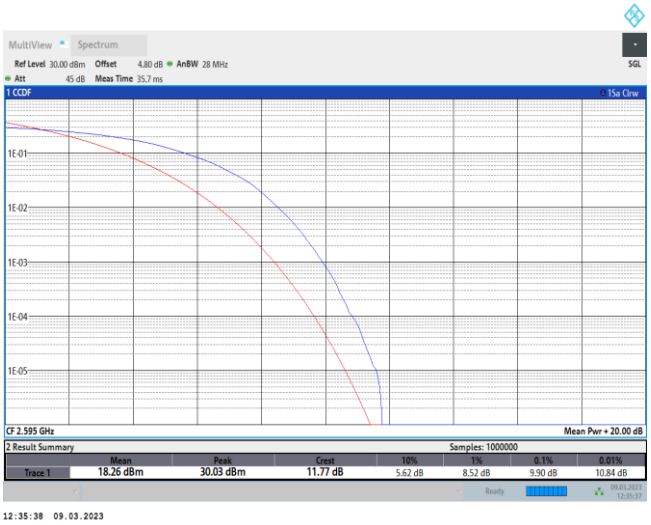

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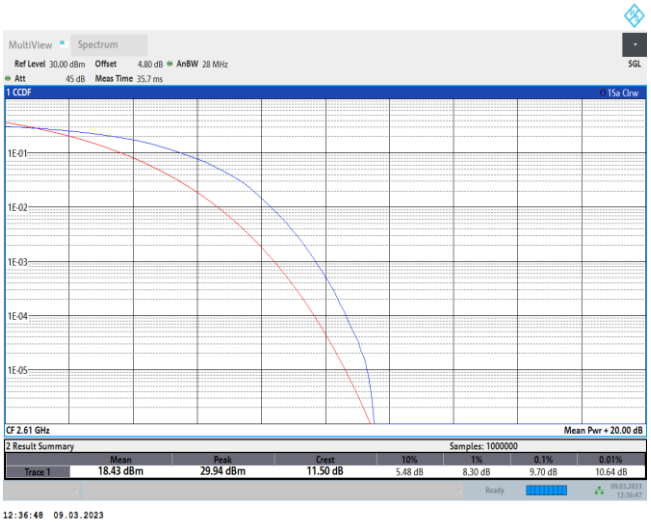
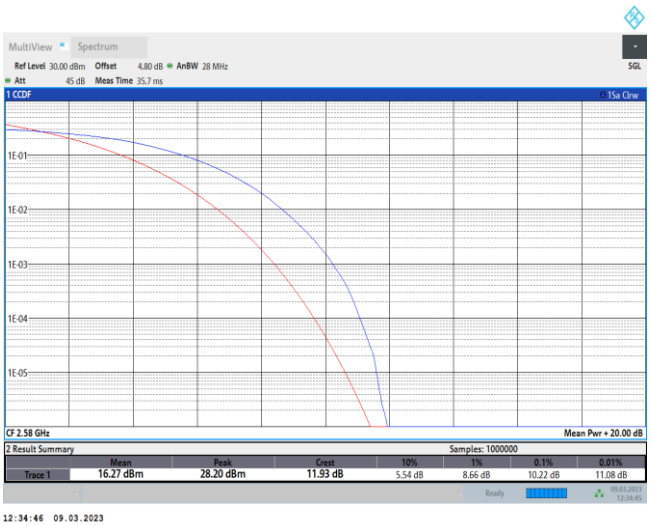


Band38-20MHz-256QAM-37850-100RB#0


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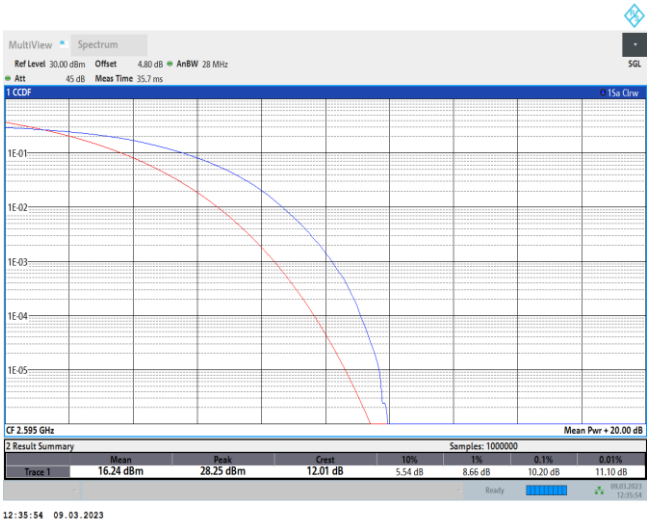
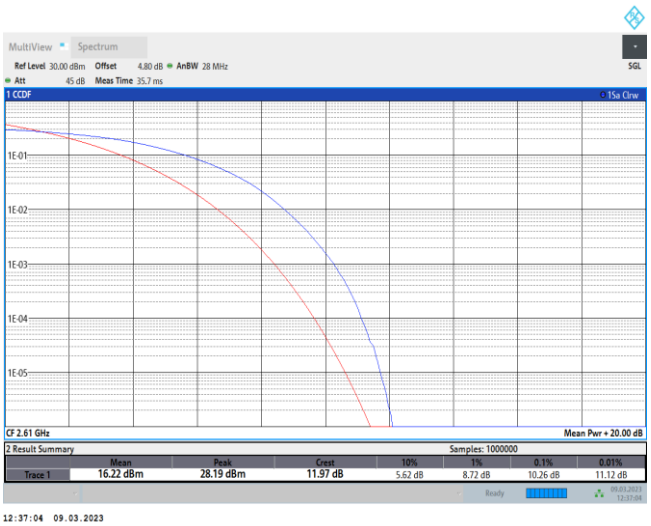


Band38-20MHz-256QAM-38150-100RB#0


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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	4.460	4.78	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.474	4.81	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.466	4.76	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.456	4.83	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.463	4.96	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.471	4.80	PASS
Band38	5MHz	64QAM	37775	25RB#0	4.474	4.83	PASS
Band38	5MHz	64QAM	38000	25RB#0	4.462	4.90	PASS
Band38	5MHz	64QAM	38225	25RB#0	4.472	4.79	PASS
Band38	5MHz	256QAM	37775	25RB#0	4.461	4.79	PASS
Band38	5MHz	256QAM	38000	25RB#0	4.465	4.84	PASS
Band38	5MHz	256QAM	38225	25RB#0	4.458	4.83	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.913	9.46	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.923	9.42	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.950	9.60	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.913	9.44	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.907	9.40	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.926	9.54	PASS
Band38	10MHz	64QAM	37800	50RB#0	8.965	9.50	PASS
Band38	10MHz	64QAM	38000	50RB#0	8.935	9.60	PASS
Band38	10MHz	64QAM	38200	50RB#0	8.935	9.54	PASS
Band38	10MHz	256QAM	37800	50RB#0	8.951	9.48	PASS
Band38	10MHz	256QAM	38000	50RB#0	8.959	9.50	PASS
Band38	10MHz	256QAM	38200	50RB#0	8.963	9.48	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.460	14.64	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.470	14.64	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.440	14.31	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.412	14.76	PASS

检验检测专用章 Inspection & Testing Services
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. Wireless Laboratory

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Band38	15MHz	16QAM	38000	75RB#0	13.470	14.85	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.430	14.49	PASS
Band38	15MHz	64QAM	37825	75RB#0	13.442	14.58	PASS
Band38	15MHz	64QAM	38000	75RB#0	13.449	14.43	PASS
Band38	15MHz	64QAM	38175	75RB#0	13.454	14.49	PASS
Band38	15MHz	256QAM	37825	75RB#0	13.464	14.49	PASS
Band38	15MHz	256QAM	38000	75RB#0	13.481	14.37	PASS
Band38	15MHz	256QAM	38175	75RB#0	13.405	14.64	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.901	18.96	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.884	19.20	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.811	18.92	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.863	18.84	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.862	18.84	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.930	19.04	PASS
Band38	20MHz	64QAM	37850	100RB#0	17.888	19.08	PASS
Band38	20MHz	64QAM	38000	100RB#0	17.884	18.88	PASS
Band38	20MHz	64QAM	38150	100RB#0	17.895	18.88	PASS
Band38	20MHz	256QAM	37850	100RB#0	17.861	19.08	PASS
Band38	20MHz	256QAM	38000	100RB#0	17.804	18.92	PASS
Band38	20MHz	256QAM	38150	100RB#0	17.791	19.08	PASS

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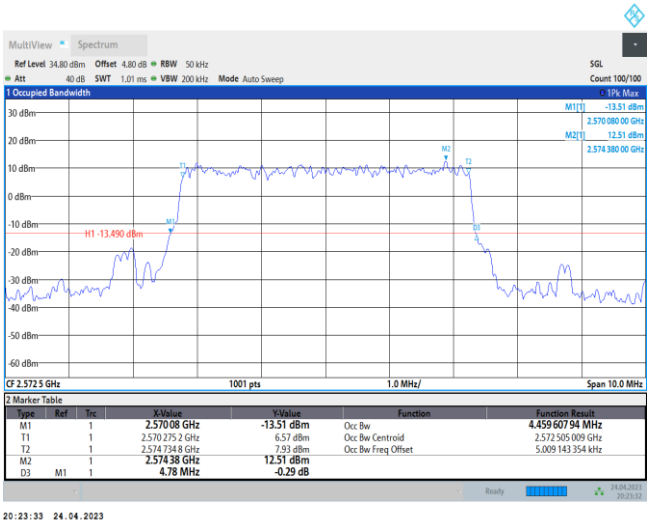
Test Graphs

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


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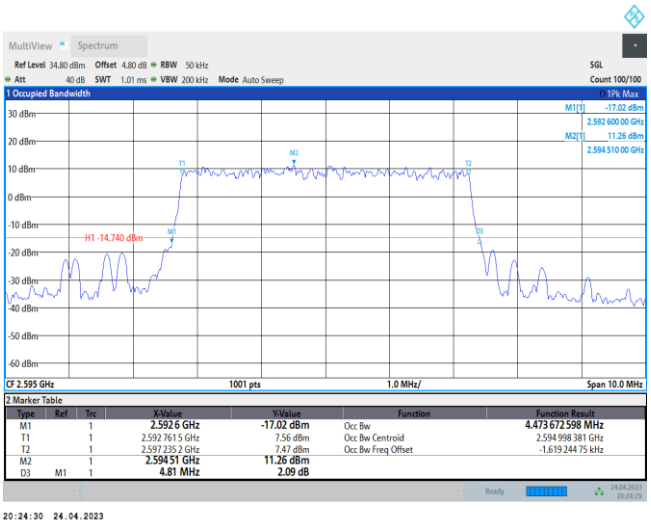

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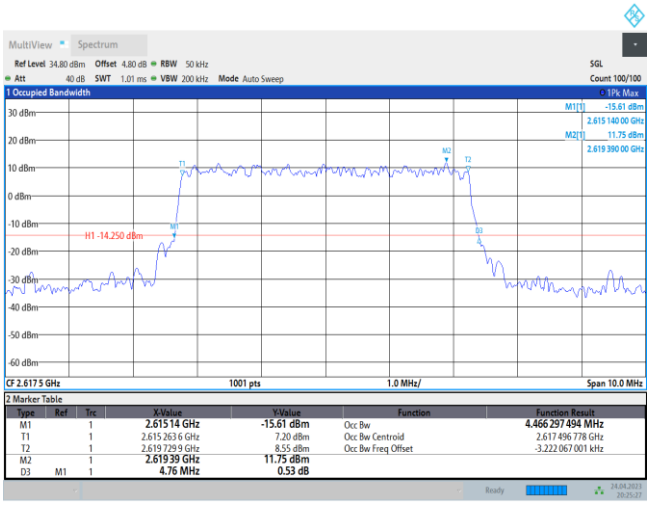

Band38-5MHz-16QAM-37775-25RB#0

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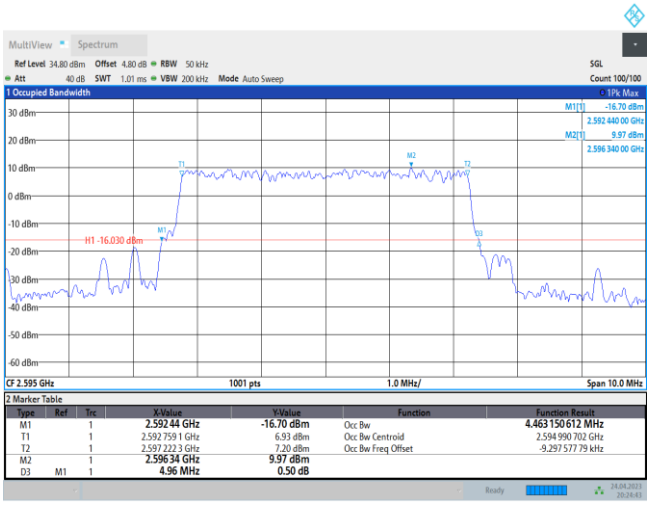
Band38-5MHz-16QAM-38000-25RB#0


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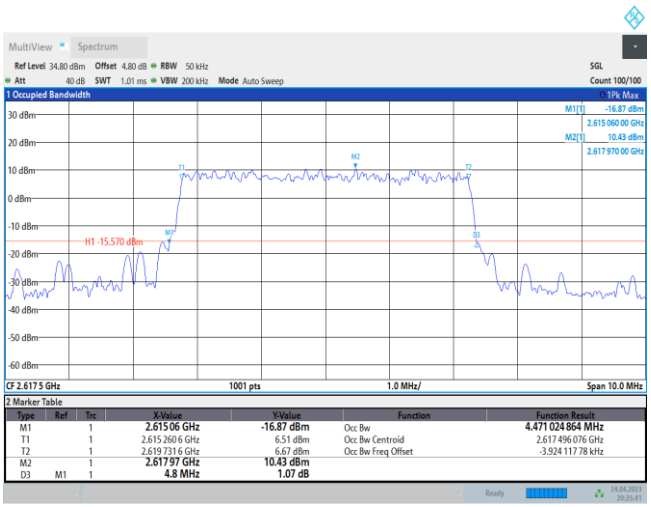

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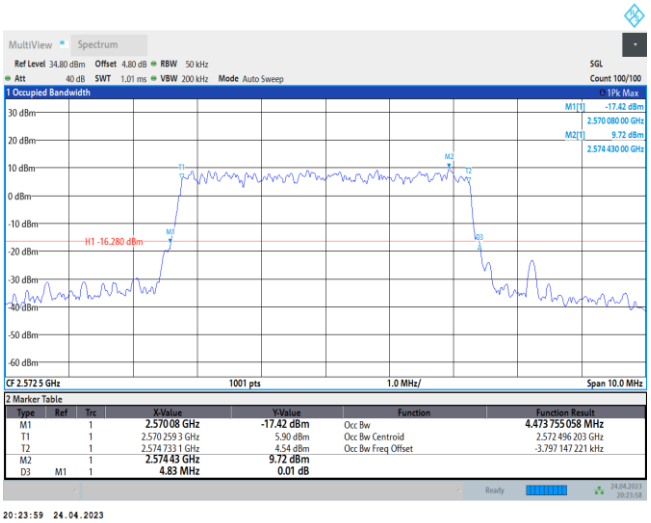

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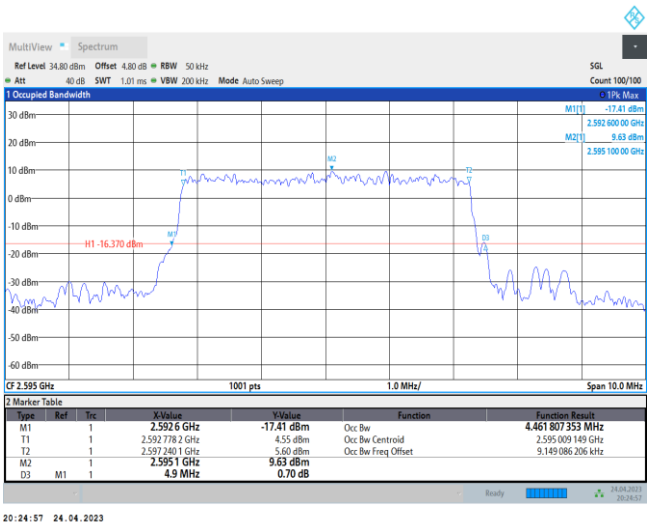

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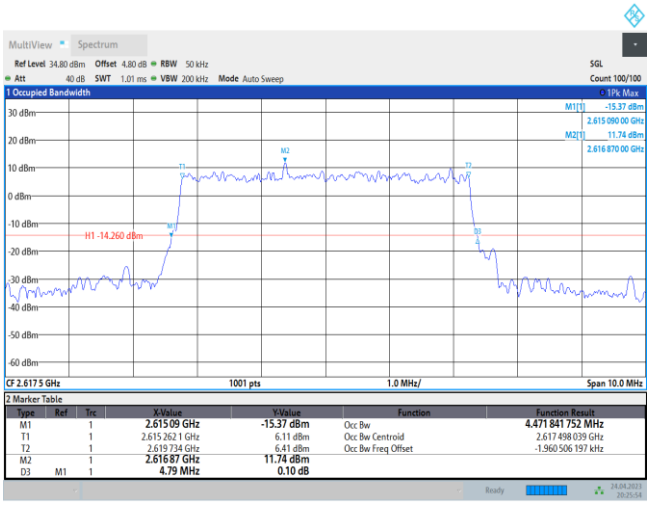
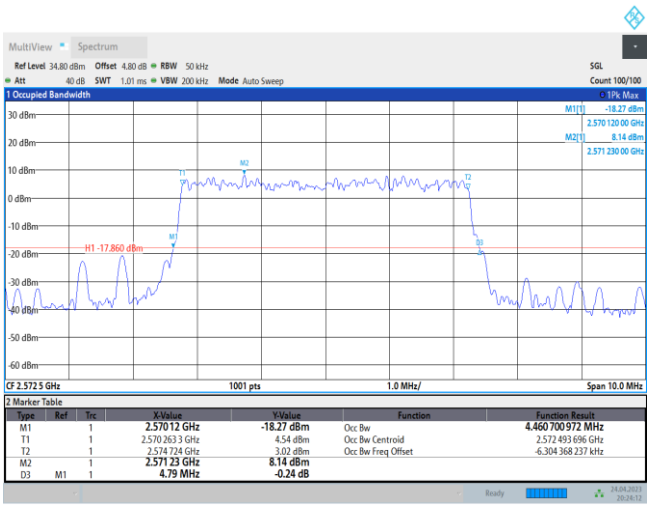
Band38-5MHz-64QAM-38225-25RB#0



Band38-5MHz-256QAM-37775-25RB#0



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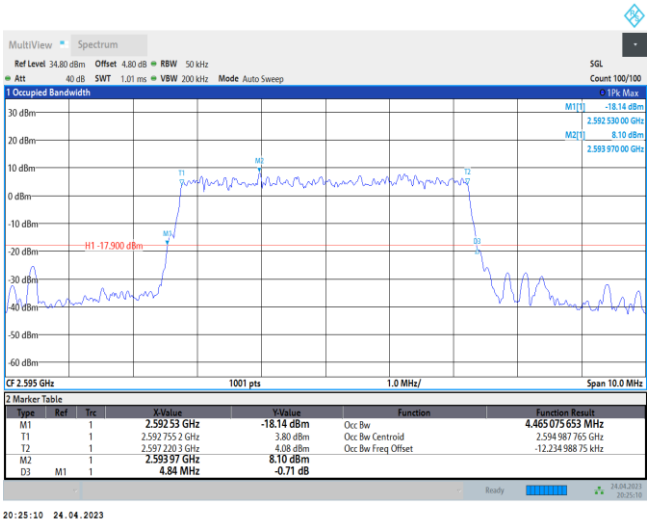

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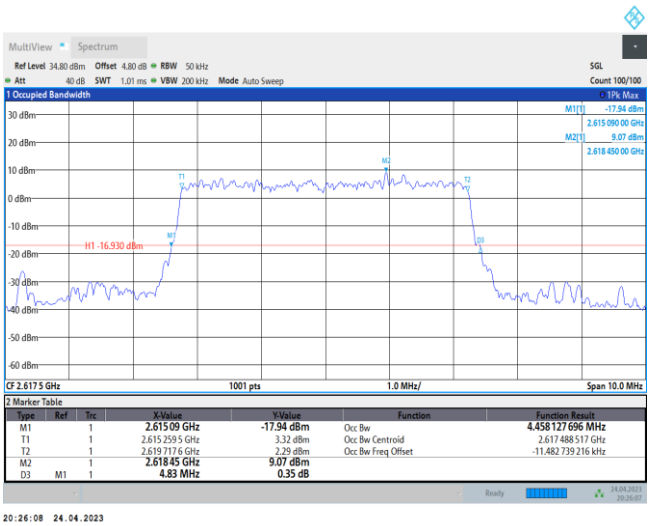

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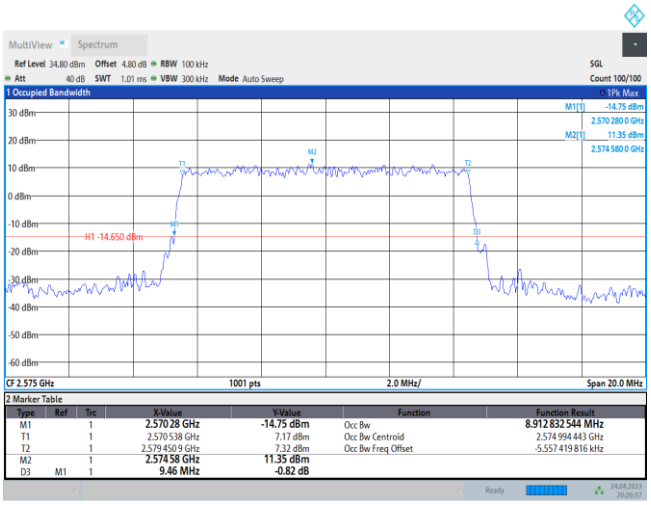

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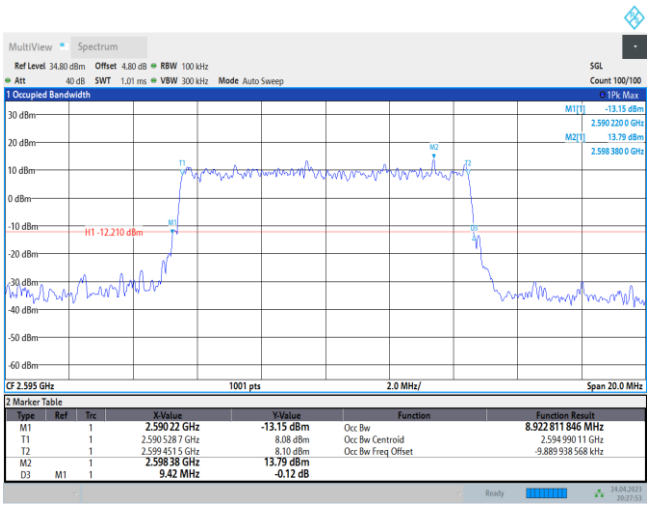

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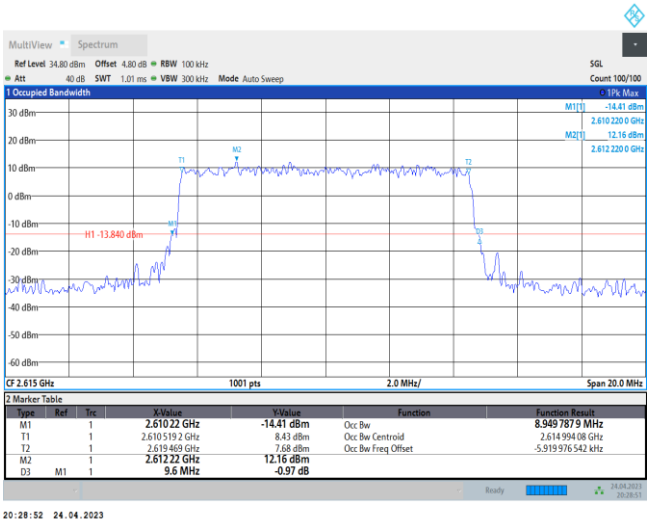

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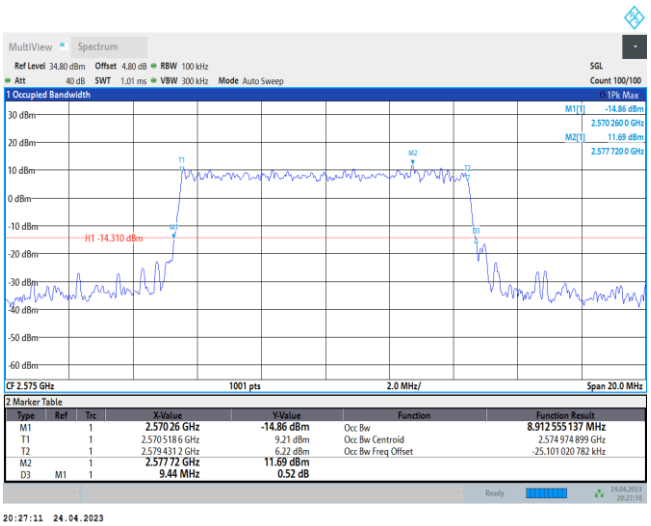

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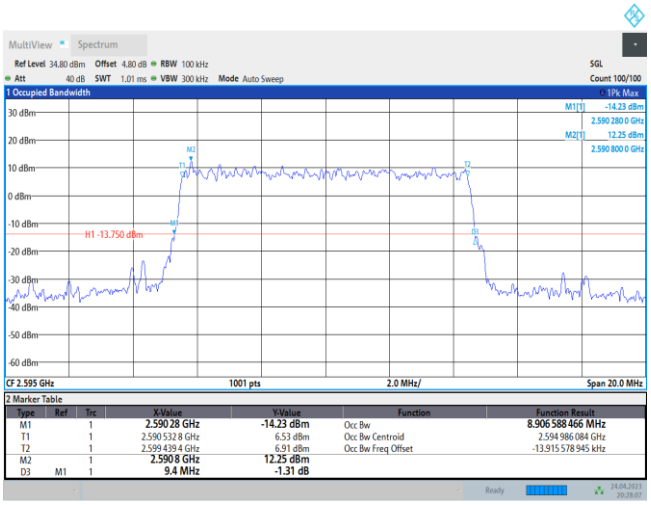

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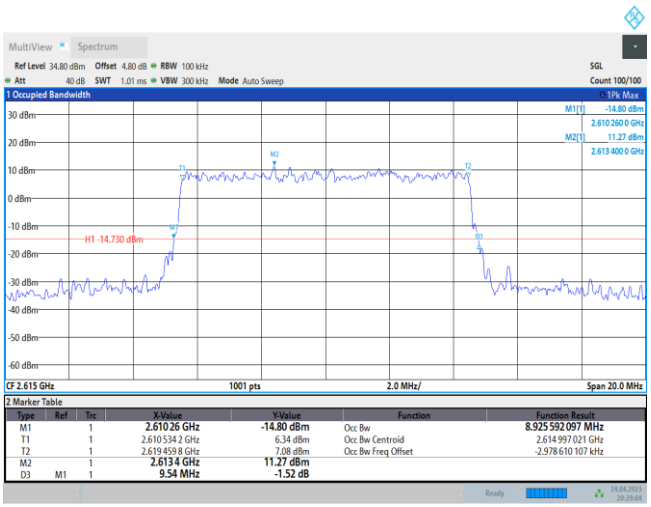

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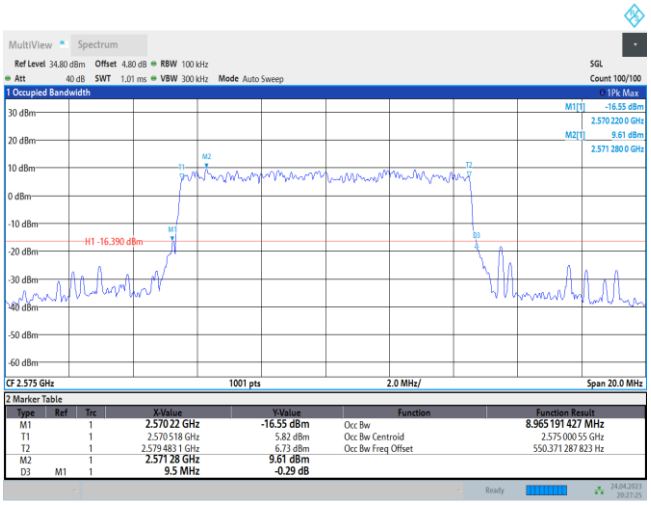
Band38-10MHz-64QAM-37800-50RB#0


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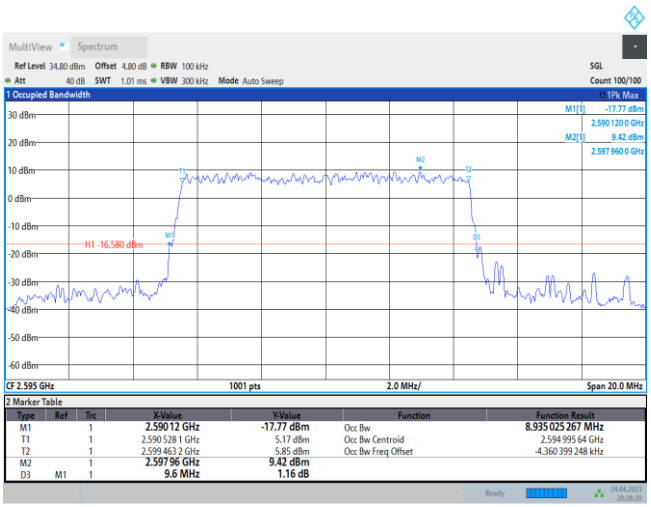

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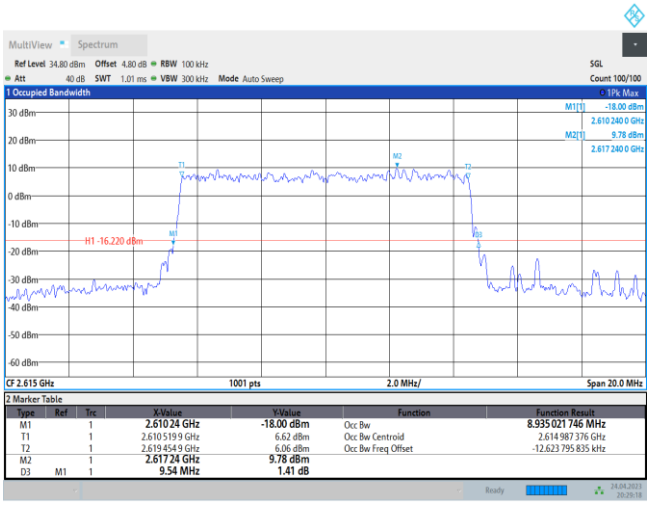
Band38-10MHz-64QAM-38200-50RB#0


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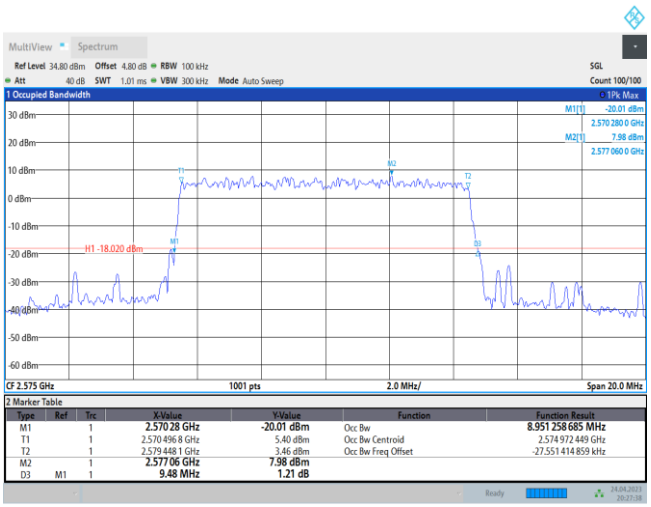

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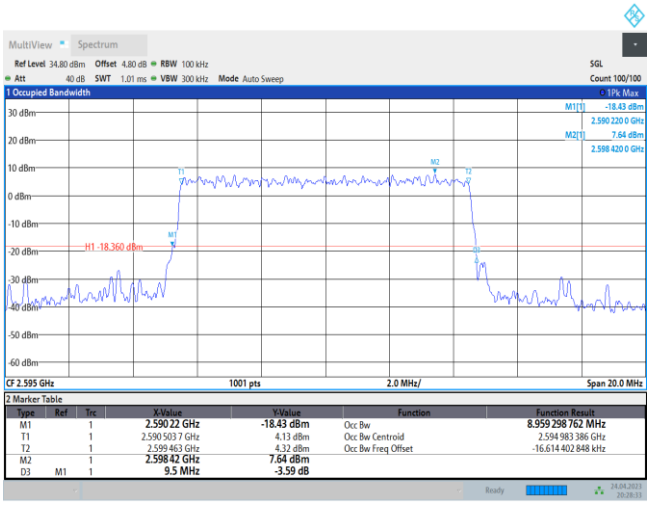

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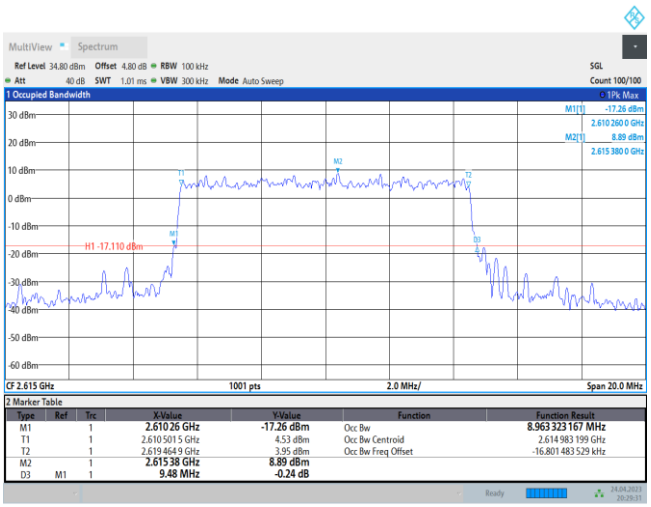

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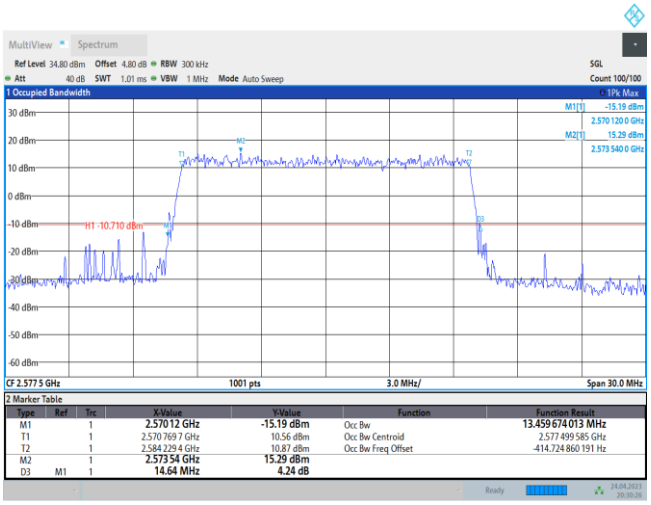
Band38-15MHz-QPSK-37825-75RB#0



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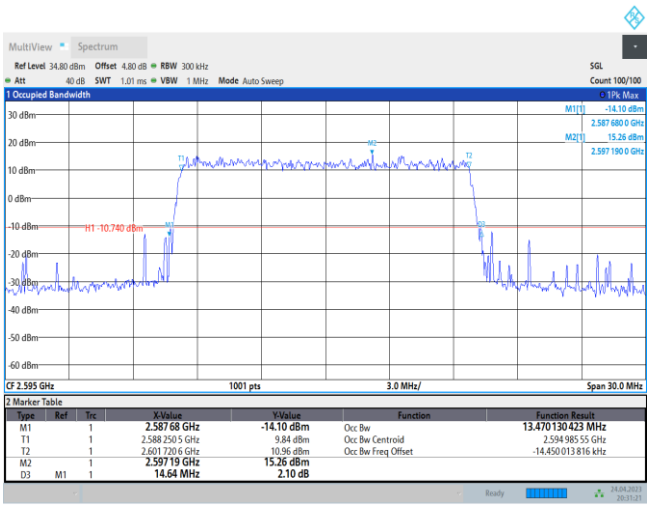

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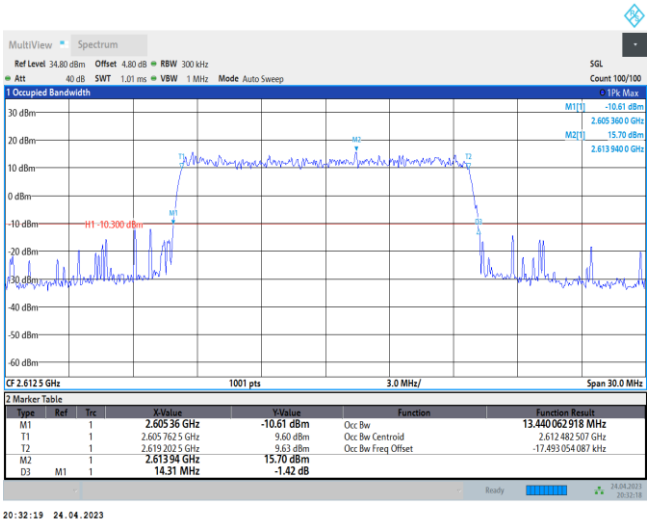
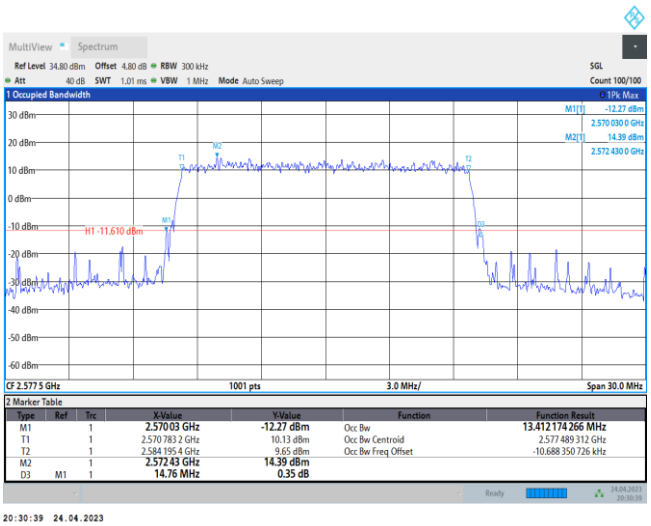
Band38-15MHz-QPSK-38175-75RB#0



Band38-15MHz-16QAM-37825-75RB#0



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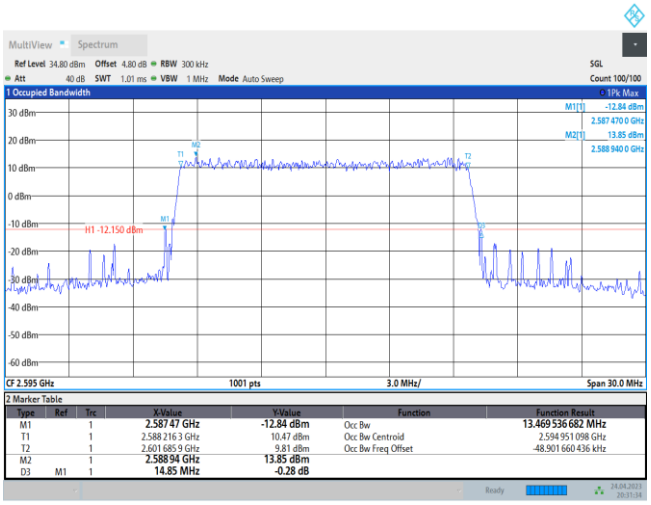

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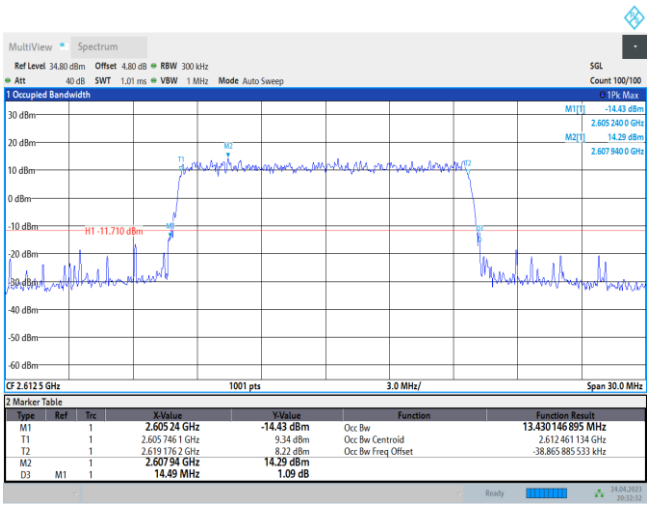

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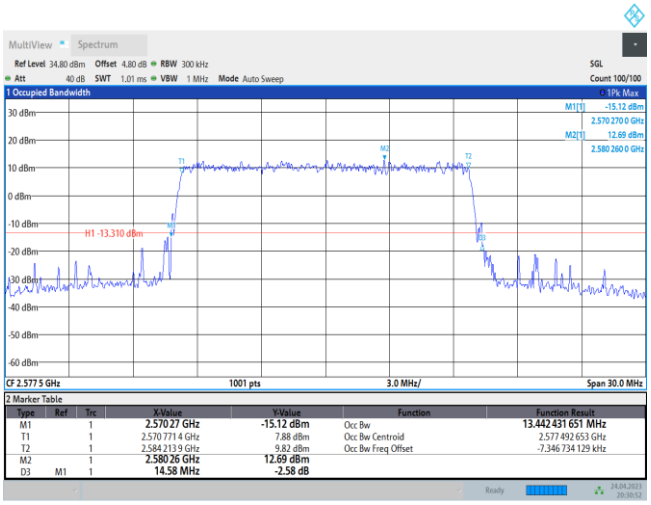
Band38-15MHz-64QAM-37825-75RB#0



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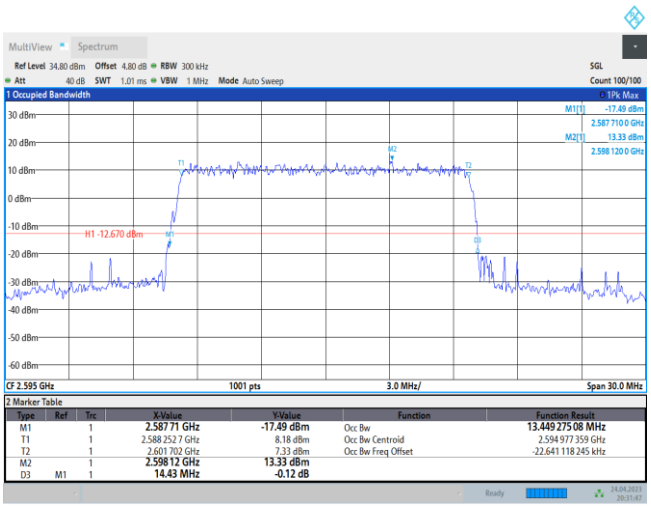

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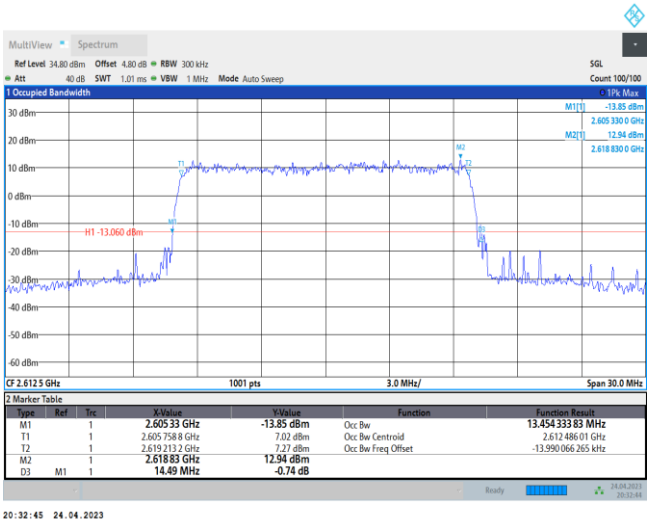

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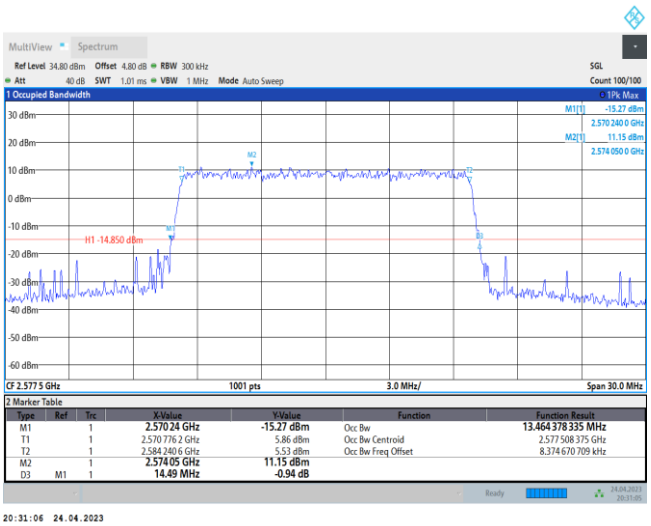

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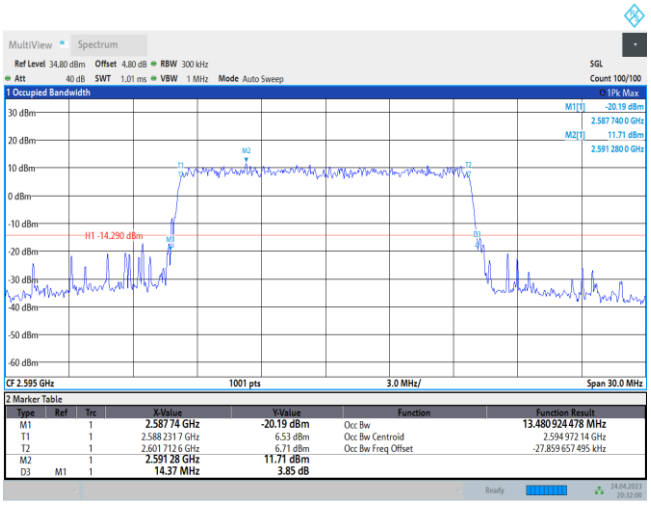

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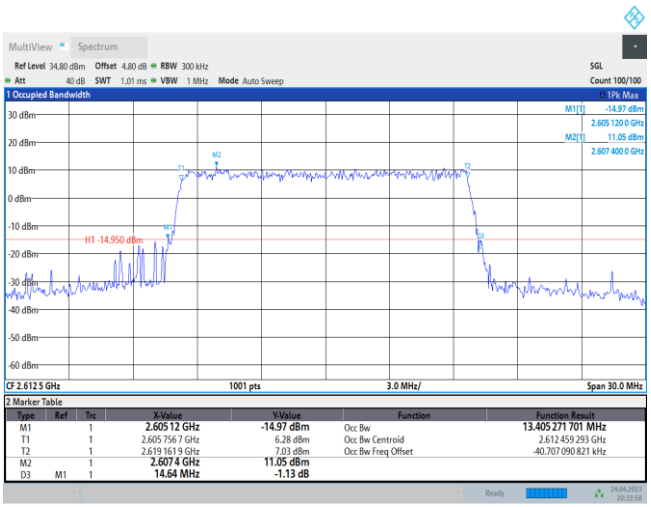

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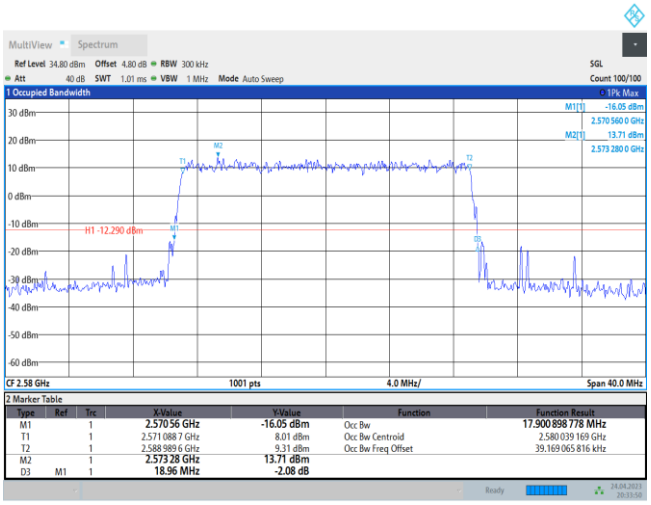

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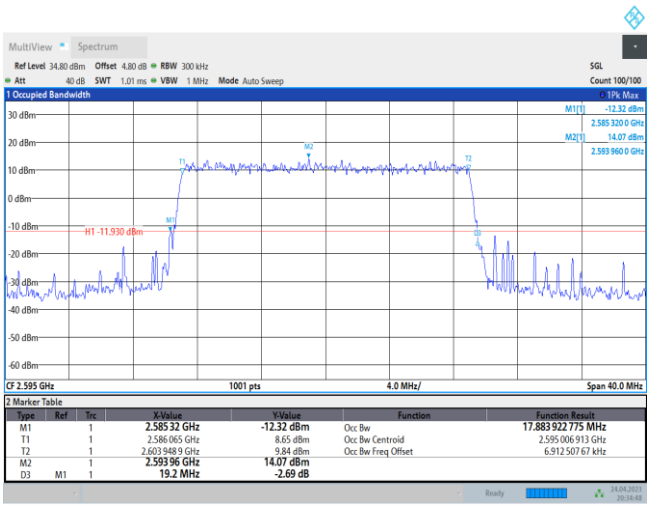

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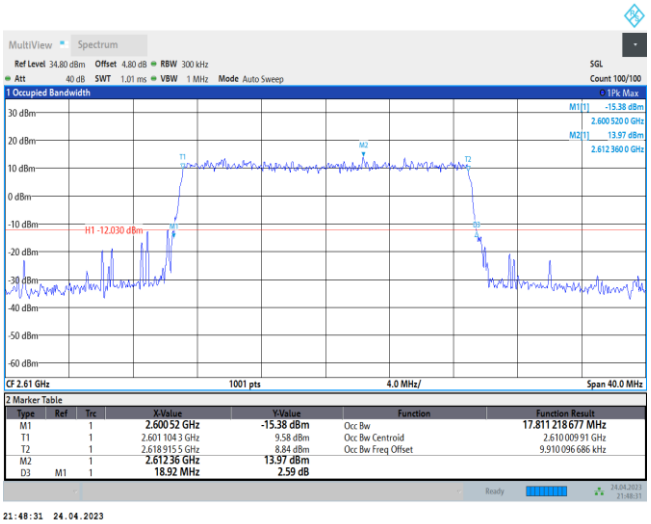
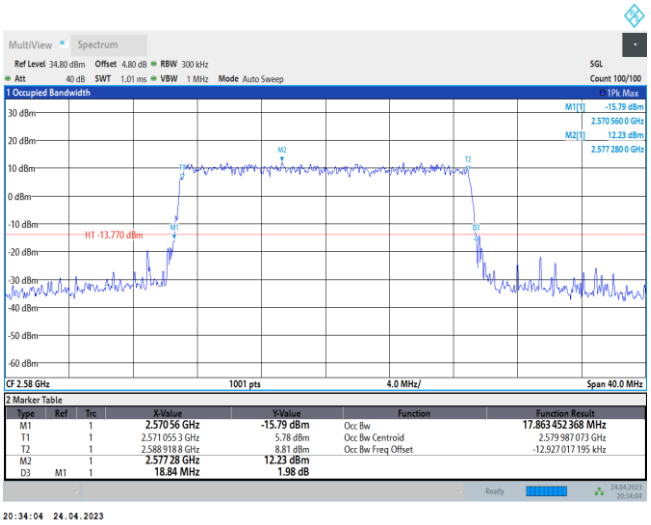
Band38-20MHz-QPSK-38150-100RB#0



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



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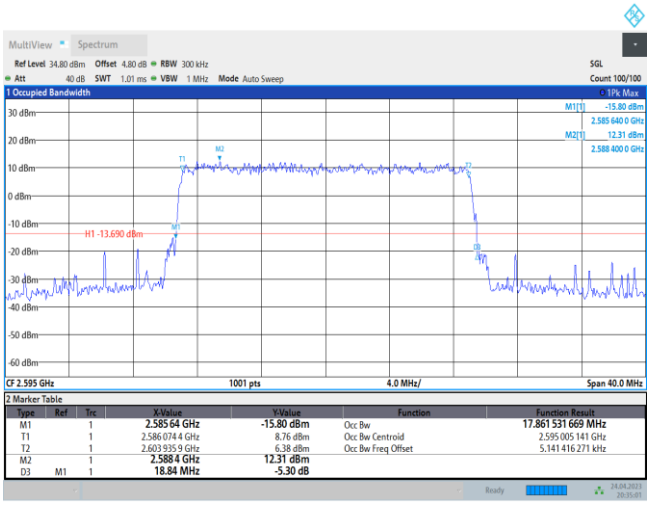

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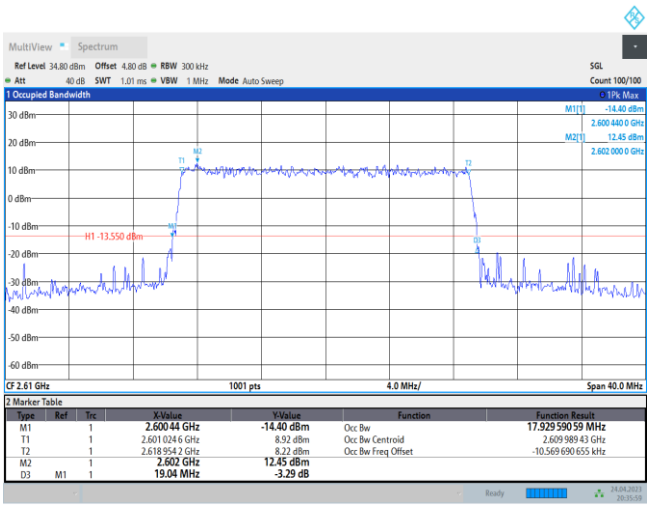

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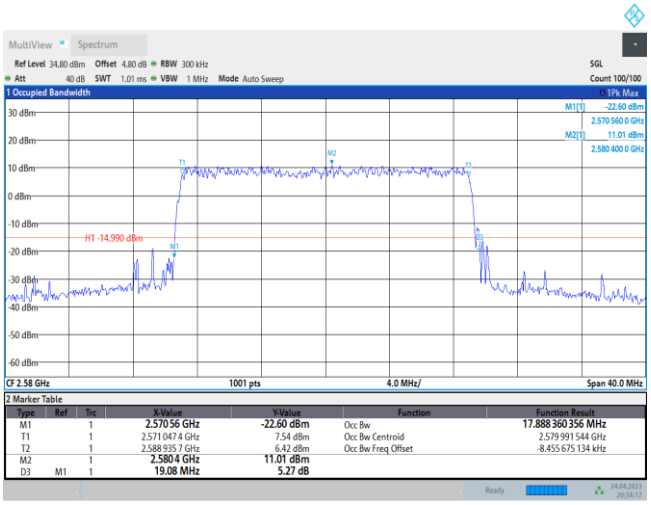
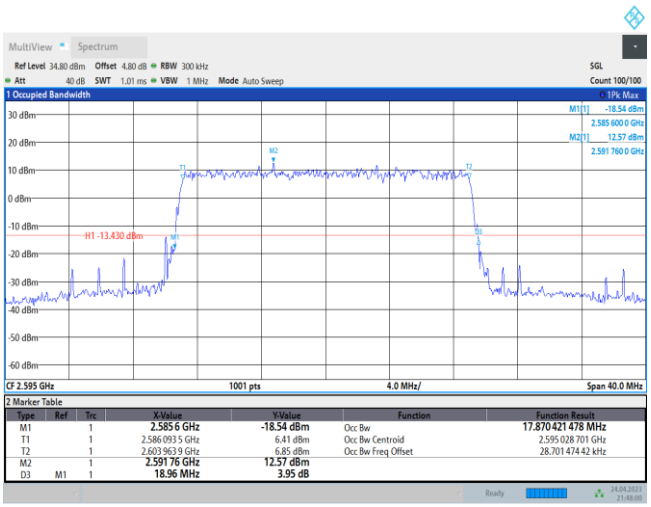
Band38-20MHz-64QAM-37850-100RB#0



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



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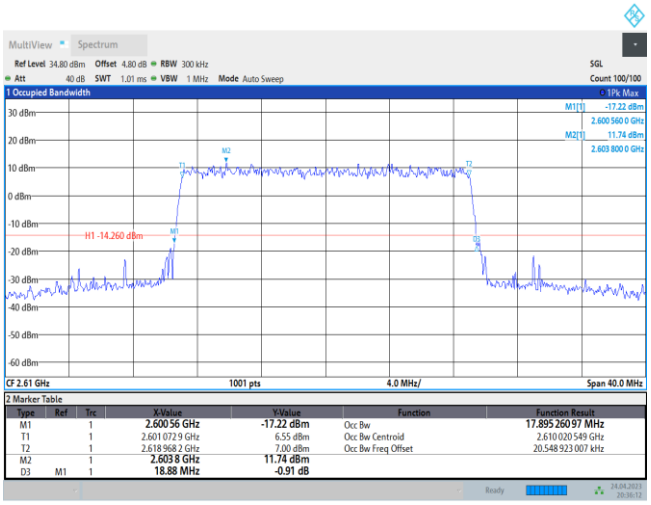
Band38-20MHz-64QAM-38150-100RB#0



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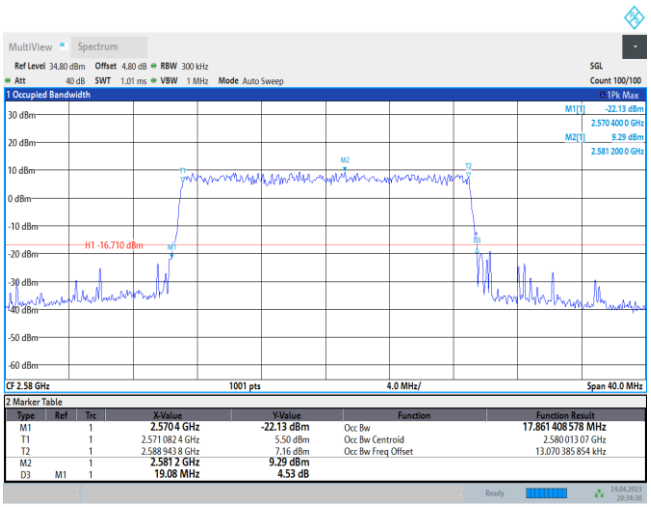

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