Appendix B.14

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	25.72	25.49	33	PASS
Band38	5MHz	16QAM	37775	1RB#0	24.8	24.57	33	PASS
Band38	5MHz	64QAM	37775	1RB#0	24.04	23.81	33	PASS
Band38	5MHz	256QAM	37775	1RB#0	20.88	20.65	33	PASS
Band38	5MHz	QPSK	37775	1RB#12	25.81	25.58	33	PASS
Band38	5MHz	16QAM	37775	1RB#12	24.83	24.6	33	PASS
Band38	5MHz	64QAM	37775	1RB#12	24.15	23.92	33	PASS
Band38	5MHz	256QAM	37775	1RB#12	21.06	20.83	33	PASS
Band38	5MHz	QPSK	37775	1RB#24	25.75	25.52	33	PASS
Band38	5MHz	16QAM	37775	1RB#24	24.94	24.71	33	PASS
Band38	5MHz	64QAM	37775	1RB#24	24.09	23.86	33	PASS
Band38	5MHz	256QAM	37775	1RB#24	20.97	20.74	33	PASS
Band38	5MHz	QPSK	37775	25RB#0	24.83	24.6	33	PASS
Band38	5MHz	16QAM	37775	25RB#0	23.86	23.63	33	PASS
Band38	5MHz	64QAM	37775	25RB#0	22.83	22.6	33	PASS
Band38	5MHz	256QAM	37775	25RB#0	20.83	20.6	33	PASS
Band38	5MHz	QPSK	38000	1RB#0	26.01	25.78	33	PASS
Band38	5MHz	16QAM	38000	1RB#0	25.15	24.92	33	PASS
Band38	5MHz	64QAM	38000	1RB#0	24.48	24.25	33	PASS
Band38	5MHz	256QAM	38000	1RB#0	21.14	20.91	33	PASS
Band38	5MHz	QPSK	38000	1RB#12	26.07	25.84	33	PASS
Band38	5MHz	16QAM	38000	1RB#12	25.24	25.01	33	PASS
Band38	5MHz	64QAM	38000	1RB#12	24.55	24.32	33	PASS
Band38	5MHz	256QAM	38000	1RB#12	21.28	21.05	33	PASS
Band38	5MHz	QPSK	38000	1RB#24	25.97	25.74	33	PASS
Band38	5MHz	16QAM	38000	1RB#24	25.15	24.92	33	PASS
Band38	5MHz	64QAM	38000	1RB#24	24.53	24.3	33	PASS
Band38	5MHz	256QAM	38000	1RB#24	21.23	21	33	PASS
Band38	5MHz	QPSK	38000	25RB#0	25.03	24.8	33	PASS
Band38	5MHz	16QAM	38000	25RB#0	24.06	23.83	33	PASS
Band38	5MHz	64QAM	38000	25RB#0	23.06	22.83	33	PASS
Band38	5MHz	256QAM	38000	25RB#0	21.09	20.86	33	PASS

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Band38	5MHz	QPSK	38225	1RB#0	25.63	25.4	33	PASS
Band38	5MHz	16QAM	38225	1RB#0	24.77	24.54	33	PASS
Band38	5MHz	64QAM	38225	1RB#0	24.01	23.78	33	PASS
Band38	5MHz	256QAM	38225	1RB#0	20.68	20.45	33	PASS
Band38	5MHz	QPSK	38225	1RB#12	25.56	25.33	33	PASS
Band38	5MHz	16QAM	38225	1RB#12	24.63	24.4	33	PASS
Band38	5MHz	64QAM	38225	1RB#12	24.02	23.79	33	PASS
Band38	5MHz	256QAM	38225	1RB#12	20.76	20.53	33	PASS
Band38	5MHz	QPSK	38225	1RB#24	25.47	25.24	33	PASS
Band38	5MHz	16QAM	38225	1RB#24	24.6	24.37	33	PASS
Band38	5MHz	64QAM	38225	1RB#24	23.88	23.65	33	PASS
Band38	5MHz	256QAM	38225	1RB#24	20.69	20.46	33	PASS
Band38	5MHz	QPSK	38225	25RB#0	24.63	24.4	33	PASS
Band38	5MHz	16QAM	38225	25RB#0	23.67	23.44	33	PASS
Band38	5MHz	64QAM	38225	25RB#0	22.68	22.45	33	PASS
Band38	5MHz	256QAM	38225	25RB#0	20.66	20.43	33	PASS
Band38	10MHz	QPSK	37800	1RB#0	25.7	25.47	33	PASS
Band38	10MHz	16QAM	37800	1RB#0	24.78	24.55	33	PASS
Band38	10MHz	64QAM	37800	1RB#0	24.17	23.94	33	PASS
Band38	10MHz	256QAM	37800	1RB#0	20.9	20.67	33	PASS
Band38	10MHz	QPSK	37800	1RB#24	25.81	25.58	33	PASS
Band38	10MHz	16QAM	37800	1RB#24	24.86	24.63	33	PASS
Band38	10MHz	64QAM	37800	1RB#24	24.25	24.02	33	PASS
Band38	10MHz	256QAM	37800	1RB#24	20.99	20.76	33	PASS
Band38	10MHz	QPSK	37800	1RB#49	25.83	25.6	33	PASS
Band38	10MHz	16QAM	37800	1RB#49	25.03	24.8	33	PASS
Band38	10MHz	64QAM	37800	1RB#49	24.23	24	33	PASS
Band38	10MHz	256QAM	37800	1RB#49	21.02	20.79	33	PASS
Band38	10MHz	QPSK	37800	50RB#0	24.9	24.67	33	PASS
Band38	10MHz	16QAM	37800	50RB#0	23.9	23.67	33	PASS
Band38	10MHz	64QAM	37800	50RB#0	22.93	22.7	33	PASS
Band38	10MHz	256QAM	37800	50RB#0	20.93	20.7	33	PASS
Band38	10MHz	QPSK	38000	1RB#0	26.05	25.82	33	PASS
Band38	10MHz	16QAM	38000	1RB#0	25.18	24.95	33	PASS
Band38	10MHz	64QAM	38000	1RB#0	24.38	24.15	33	PASS
Band38	10MHz	256QAM	38000	1RB#0	21.16	20.93	33	PASS
Band38	10MHz	QPSK	38000	1RB#24	26.07	25.84	33	PASS
Band38	10MHz	16QAM	38000	1RB#24	25.19	24.96	33	PASS

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Band38	10MHz	64QAM	38000	1RB#24	24.55	24.32	33	PASS
Band38	10MHz	256QAM	38000	1RB#24	21.35	21.12	33	PASS
Band38	10MHz	QPSK	38000	1RB#49	26.01	25.78	33	PASS
Band38	10MHz	16QAM	38000	1RB#49	25.19	24.96	33	PASS
Band38	10MHz	64QAM	38000	1RB#49	24.29	24.06	33	PASS
Band38	10MHz	256QAM	38000	1RB#49	20.92	20.69	33	PASS
Band38	10MHz	QPSK	38000	50RB#0	25.12	24.89	33	PASS
Band38	10MHz	16QAM	38000	50RB#0	24.11	23.88	33	PASS
Band38	10MHz	64QAM	38000	50RB#0	23.09	22.86	33	PASS
Band38	10MHz	256QAM	38000	50RB#0	21.1	20.87	33	PASS
Band38	10MHz	QPSK	38200	1RB#0	25.73	25.5	33	PASS
Band38	10MHz	16QAM	38200	1RB#0	24.87	24.64	33	PASS
Band38	10MHz	64QAM	38200	1RB#0	24.11	23.88	33	PASS
Band38	10MHz	256QAM	38200	1RB#0	20.88	20.65	33	PASS
Band38	10MHz	QPSK	38200	1RB#24	25.61	25.38	33	PASS
Band38	10MHz	16QAM	38200	1RB#24	24.75	24.52	33	PASS
Band38	10MHz	64QAM	38200	1RB#24	24.05	23.82	33	PASS
Band38	10MHz	256QAM	38200	1RB#24	20.8	20.57	33	PASS
Band38	10MHz	QPSK	38200	1RB#49	25.45	25.22	33	PASS
Band38	10MHz	16QAM	38200	1RB#49	24.65	24.42	33	PASS
Band38	10MHz	64QAM	38200	1RB#49	23.84	23.61	33	PASS
Band38	10MHz	256QAM	38200	1RB#49	20.72	20.49	33	PASS
Band38	10MHz	QPSK	38200	50RB#0	24.66	24.43	33	PASS
Band38	10MHz	16QAM	38200	50RB#0	23.63	23.4	33	PASS
Band38	10MHz	64QAM	38200	50RB#0	22.69	22.46	33	PASS
Band38	10MHz	256QAM	38200	50RB#0	20.67	20.44	33	PASS
Band38	15MHz	QPSK	37825	1RB#0	25.6	25.37	33	PASS
Band38	15MHz	16QAM	37825	1RB#0	24.71	24.48	33	PASS
Band38	15MHz	64QAM	37825	1RB#0	23.92	23.69	33	PASS
Band38	15MHz	256QAM	37825	1RB#0	20.88	20.65	33	PASS
Band38	15MHz	QPSK	37825	1RB#38	25.69	25.46	33	PASS
Band38	15MHz	16QAM	37825	1RB#38	24.79	24.56	33	PASS
Band38	15MHz	64QAM	37825	1RB#38	24.15	23.92	33	PASS
Band38	15MHz	256QAM	37825	1RB#38	20.96	20.73	33	PASS
Band38	15MHz	QPSK	37825	1RB#74	25.84	25.61	33	PASS
Band38	15MHz	16QAM	37825	1RB#74	24.85	24.62	33	PASS
Band38	15MHz	64QAM	37825	1RB#74	24.03	23.8	33	PASS
Band38	15MHz	256QAM	37825	1RB#74	22.06	21.83	33	PASS

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Band38	15MHz	QPSK	37825	75RB#0	24.89	24.66	33	PASS
Band38	15MHz	16QAM	37825	75RB#0	23.84	23.61	33	PASS
Band38	15MHz	64QAM	37825	75RB#0	22.86	22.63	33	PASS
Band38	15MHz	256QAM	37825	75RB#0	20.84	20.61	33	PASS
Band38	15MHz	QPSK	38000	1RB#0	25.96	25.73	33	PASS
Band38	15MHz	16QAM	38000	1RB#0	24.97	24.74	33	PASS
Band38	15MHz	64QAM	38000	1RB#0	24.31	24.08	33	PASS
Band38	15MHz	256QAM	38000	1RB#0	21.01	20.78	33	PASS
Band38	15MHz	QPSK	38000	1RB#38	26	25.77	33	PASS
Band38	15MHz	16QAM	38000	1RB#38	25.04	24.81	33	PASS
Band38	15MHz	64QAM	38000	1RB#38	24.26	24.03	33	PASS
Band38	15MHz	256QAM	38000	1RB#38	20.93	20.7	33	PASS
Band38	15MHz	QPSK	38000	1RB#74	25.72	25.49	33	PASS
Band38	15MHz	16QAM	38000	1RB#74	24.97	24.74	33	PASS
Band38	15MHz	64QAM	38000	1RB#74	24.11	23.88	33	PASS
Band38	15MHz	256QAM	38000	1RB#74	21.12	20.89	33	PASS
Band38	15MHz	QPSK	38000	75RB#0	24.96	24.73	33	PASS
Band38	15MHz	16QAM	38000	75RB#0	23.98	23.75	33	PASS
Band38	15MHz	64QAM	38000	75RB#0	22.98	22.75	33	PASS
Band38	15MHz	256QAM	38000	75RB#0	20.99	20.76	33	PASS
Band38	15MHz	QPSK	38175	1RB#0	25.71	25.48	33	PASS
Band38	15MHz	16QAM	38175	1RB#0	24.84	24.61	33	PASS
Band38	15MHz	64QAM	38175	1RB#0	24.01	23.78	33	PASS
Band38	15MHz	256QAM	38175	1RB#0	20.92	20.69	33	PASS
Band38	15MHz	QPSK	38175	1RB#38	25.55	25.32	33	PASS
Band38	15MHz	16QAM	38175	1RB#38	24.63	24.4	33	PASS
Band38	15MHz	64QAM	38175	1RB#38	23.93	23.7	33	PASS
Band38	15MHz	256QAM	38175	1RB#38	20.82	20.59	33	PASS
Band38	15MHz	QPSK	38175	1RB#74	25.24	25.01	33	PASS
Band38	15MHz	16QAM	38175	1RB#74	24.37	24.14	33	PASS
Band38	15MHz	64QAM	38175	1RB#74	23.64	23.41	33	PASS
Band38	15MHz	256QAM	38175	1RB#74	20.67	20.44	33	PASS
Band38	15MHz	QPSK	38175	75RB#0	24.68	24.45	33	PASS
Band38	15MHz	16QAM	38175	75RB#0	23.7	23.47	33	PASS
Band38	15MHz	64QAM	38175	75RB#0	22.71	22.48	33	PASS
Band38	15MHz	256QAM	38175	75RB#0	20.73	20.5	33	PASS
Band38	20MHz	QPSK	37850	1RB#0	25.6	25.37	33	PASS
Band38	20MHz	16QAM	37850	1RB#0	24.72	24.49	33	PASS

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Band38	20MHz	64QAM	37850	1RB#0	23.9	23.67	33	PASS
Band38	20MHz	256QAM	37850	1RB#0	20.77	20.54	33	PASS
Band38	20MHz	QPSK	37850	1RB#49	25.85	25.62	33	PASS
Band38	20MHz	16QAM	37850	1RB#49	24.72	24.49	33	PASS
Band38	20MHz	64QAM	37850	1RB#49	24.15	23.92	33	PASS
Band38	20MHz	256QAM	37850	1RB#49	20.93	20.7	33	PASS
Band38	20MHz	QPSK	37850	1RB#99	25.84	25.61	33	PASS
Band38	20MHz	16QAM	37850	1RB#99	24.86	24.63	33	PASS
Band38	20MHz	64QAM	37850	1RB#99	24.19	23.96	33	PASS
Band38	20MHz	256QAM	37850	1RB#99	21.14	20.91	33	PASS
Band38	20MHz	QPSK	37850	100RB#0	24.91	24.68	33	PASS
Band38	20MHz	16QAM	37850	100RB#0	23.93	23.7	33	PASS
Band38	20MHz	64QAM	37850	100RB#0	22.9	22.67	33	PASS
Band38	20MHz	256QAM	37850	100RB#0	20.9	20.67	33	PASS
Band38	20MHz	QPSK	38000	1RB#0	25.99	25.76	33	PASS
Band38	20MHz	16QAM	38000	1RB#0	24.94	24.71	33	PASS
Band38	20MHz	64QAM	38000	1RB#0	24.12	23.89	33	PASS
Band38	20MHz	256QAM	38000	1RB#0	21.15	20.92	33	PASS
Band38	20MHz	QPSK	38000	1RB#49	26.05	25.82	33	PASS
Band38	20MHz	16QAM	38000	1RB#49	25.07	24.84	33	PASS
Band38	20MHz	64QAM	38000	1RB#49	24.24	24.01	33	PASS
Band38	20MHz	256QAM	38000	1RB#49	21.11	20.88	33	PASS
Band38	20MHz	QPSK	38000	1RB#99	25.68	25.45	33	PASS
Band38	20MHz	16QAM	38000	1RB#99	24.78	24.55	33	PASS
Band38	20MHz	64QAM	38000	1RB#99	24.07	23.84	33	PASS
Band38	20MHz	256QAM	38000	1RB#99	20.92	20.69	33	PASS
Band38	20MHz	QPSK	38000	100RB#0	24.95	24.72	33	PASS
Band38	20MHz	16QAM	38000	100RB#0	23.97	23.74	33	PASS
Band38	20MHz	QPSK	37850	1RB#0	25.61	25.38	33	PASS
Band38	20MHz	16QAM	37850	1RB#0	24.72	24.49	33	PASS
Band38	20MHz	64QAM	37850	1RB#0	24.01	23.78	33	PASS
Band38	20MHz	256QAM	37850	1RB#0	20.83	20.6	33	PASS
Band38	20MHz	QPSK	37850	1RB#49	25.75	25.52	33	PASS
Band38	20MHz	16QAM	37850	1RB#49	24.89	24.66	33	PASS
Band38	20MHz	64QAM	37850	1RB#49	24.02	23.79	33	PASS
Band38	20MHz	256QAM	37850	1RB#49	20.91	20.68	33	PASS
Band38	20MHz	QPSK	37850	1RB#99	25.9	25.67	33	PASS
Band38	20MHz	16QAM	37850	1RB#99	25.01	24.78	33	PASS

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Band38	20MHz	64QAM	37850	1RB#99	24.2	23.97	33	PASS
Band38	20MHz	256QAM	37850	1RB#99	21.04	20.81	33	PASS
Band38	20MHz	QPSK	37850	100RB#0	24.9	24.67	33	PASS
Band38	20MHz	16QAM	37850	100RB#0	23.92	23.69	33	PASS
Band38	20MHz	64QAM	37850	100RB#0	22.93	22.7	33	PASS
Band38	20MHz	256QAM	37850	100RB#0	20.92	20.69	33	PASS
Band38	20MHz	QPSK	38000	1RB#0	26.01	25.78	33	PASS
Band38	20MHz	16QAM	38000	1RB#0	25.04	24.81	33	PASS
Band38	20MHz	64QAM	38000	1RB#0	24.18	23.95	33	PASS
Band38	20MHz	256QAM	38000	1RB#0	21.11	20.88	33	PASS
Band38	20MHz	QPSK	38000	1RB#49	25.95	25.72	33	PASS
Band38	20MHz	16QAM	38000	1RB#49	25.06	24.83	33	PASS
Band38	20MHz	64QAM	38000	1RB#49	24.2	23.97	33	PASS
Band38	20MHz	256QAM	38000	1RB#49	21.02	20.79	33	PASS
Band38	20MHz	QPSK	38000	1RB#99	25.82	25.59	33	PASS
Band38	20MHz	16QAM	38000	1RB#99	24.72	24.49	33	PASS
Band38	20MHz	64QAM	38000	1RB#99	24.07	23.84	33	PASS
Band38	20MHz	256QAM	38000	1RB#99	20.99	20.76	33	PASS
Band38	20MHz	QPSK	38000	100RB#0	24.96	24.73	33	PASS
Band38	20MHz	16QAM	38000	100RB#0	23.99	23.76	33	PASS
Band38	20MHz	64QAM	38000	100RB#0	23	22.77	33	PASS
Band38	20MHz	256QAM	38000	100RB#0	21	20.77	33	PASS
Band38	20MHz	QPSK	38150	1RB#0	26.02	25.79	33	PASS
Band38	20MHz	16QAM	38150	1RB#0	25.05	24.82	33	PASS
Band38	20MHz	64QAM	38150	1RB#0	24.26	24.03	33	PASS
Band38	20MHz	256QAM	38150	1RB#0	21.08	20.85	33	PASS
Band38	20MHz	QPSK	38150	1RB#49	25.64	25.41	33	PASS
Band38	20MHz	16QAM	38150	1RB#49	24.92	24.69	33	PASS
Band38	20MHz	64QAM	38150	1RB#49	23.94	23.71	33	PASS
Band38	20MHz	256QAM	38150	1RB#49	20.86	20.63	33	PASS
Band38	20MHz	QPSK	38150	1RB#99	25.29	25.06	33	PASS
Band38	20MHz	16QAM	38150	1RB#99	24.4	24.17	33	PASS
Band38	20MHz	64QAM	38150	1RB#99	23.63	23.4	33	PASS
Band38	20MHz	256QAM	38150	1RB#99	20.65	20.42	33	PASS
Band38	20MHz	QPSK	38150	100RB#0	24.69	24.46	33	PASS
Band38	20MHz	16QAM	38150	100RB#0	23.73	23.5	33	PASS
Band38	20MHz	64QAM	38150	100RB#0	22.73	22.5	33	PASS
Band38	20MHz	256QAM	38150	100RB#0	20.75	20.52	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	8.56	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	8.88	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	8.64	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.36	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.60	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.44	13	PASS
Band38	20MHz	64QAM	37850	100RB#0	9.58	13	PASS
Band38	20MHz	64QAM	38000	100RB#0	10.02	13	PASS
Band38	20MHz	64QAM	38150	100RB#0	9.84	13	PASS
Band38	20MHz	256QAM	37850	100RB#0	10.20	13	PASS
Band38	20MHz	256QAM	38000	100RB#0	10.04	13	PASS
Band38	20MHz	256QAM	38150	100RB#0	9.86	13	PASS

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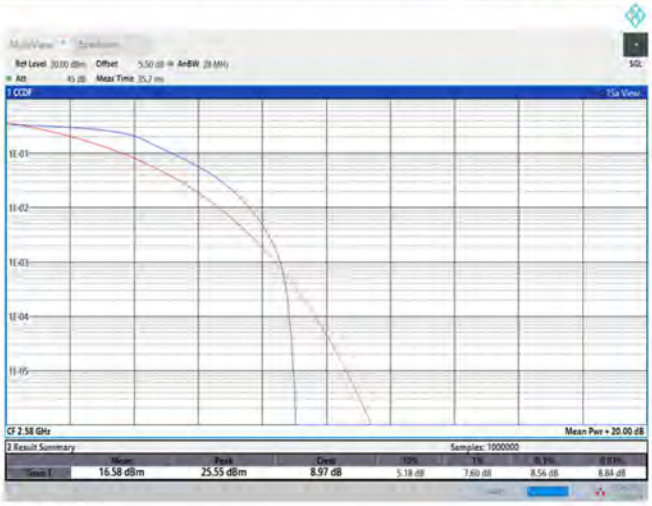
Test Graphs

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



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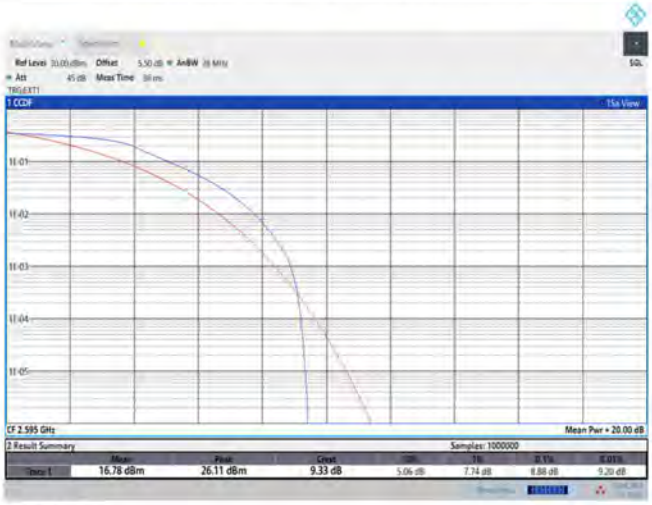

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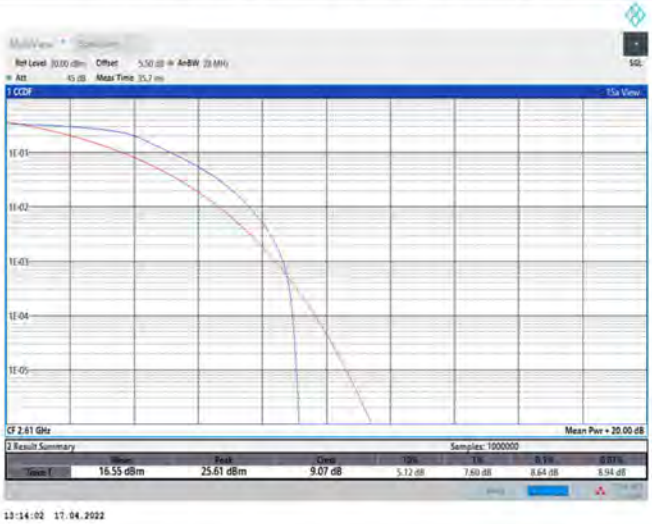
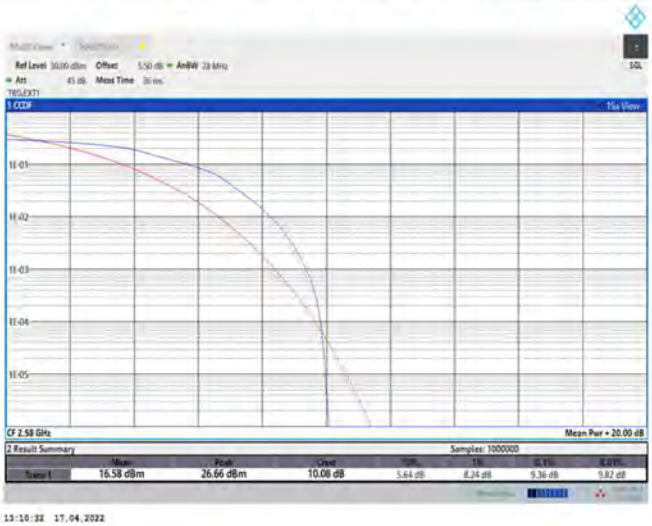
Band38-20MHz-QPSK-38150-100RB#0



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



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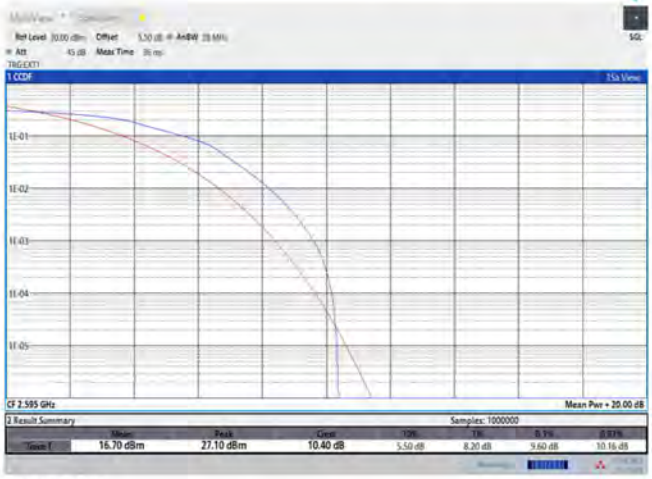
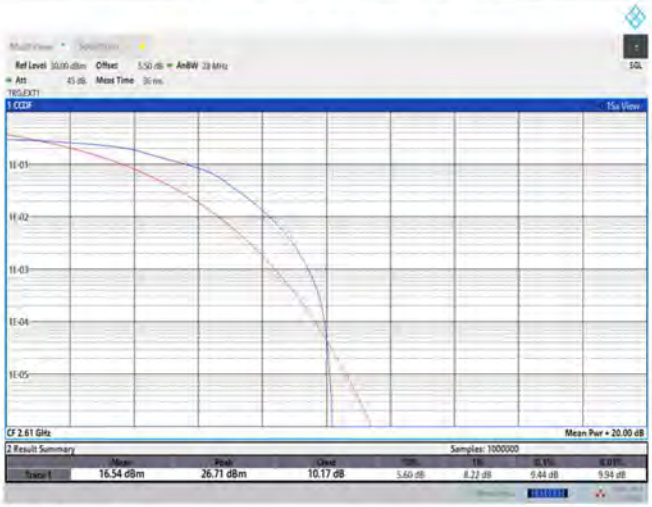


Band38-20MHz-16QAM-38150-100RB#0



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

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

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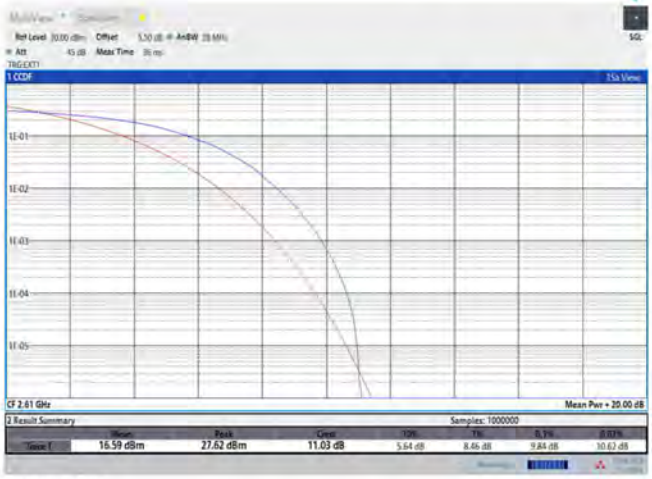
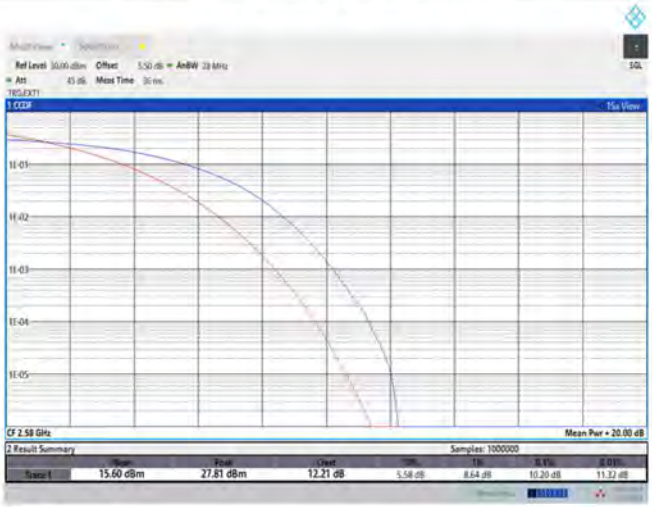
Band38-20MHz-64QAM-38150-100RB#0



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



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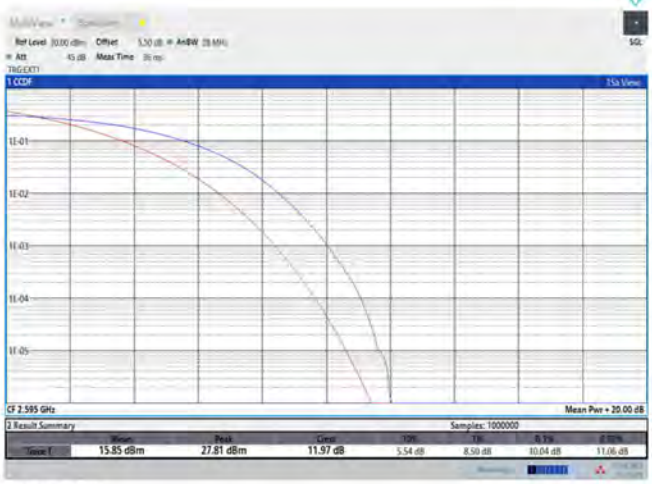
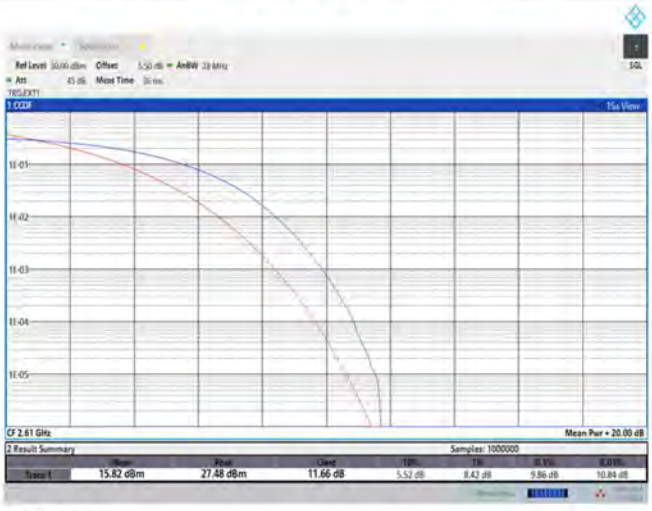


Band38-20MHz-256QAM-38150-100RB#0



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band38	20MHz	QPSK	38000	100RB#0	PASS	PASS
Band38	20MHz	16QAM	38000	100RB#0	PASS	PASS
Band38	20MHz	64QAM	38000	100RB#0	PASS	PASS
Band38	20MHz	256QAM	38000	100RB#0	PASS	PASS

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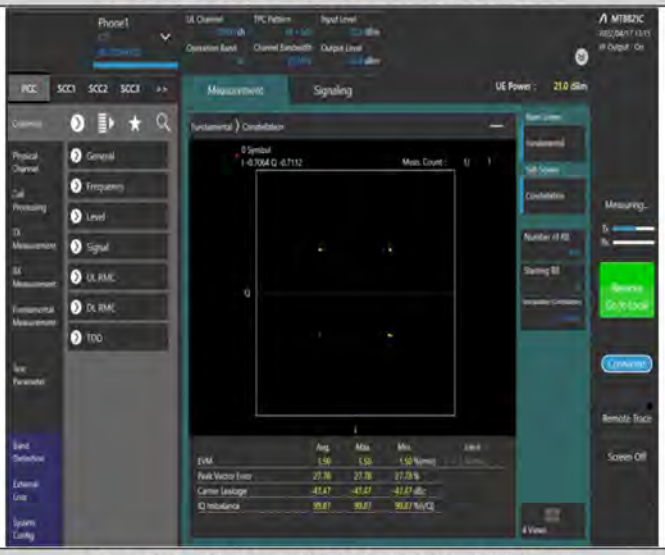
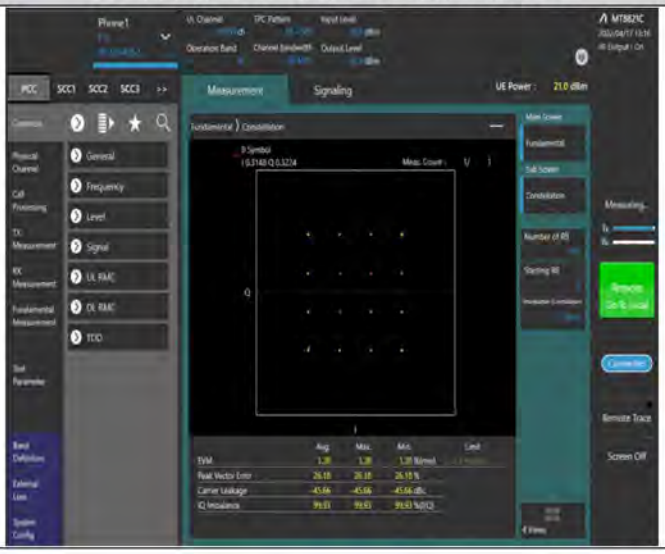
Test Graphs

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



Band38-20MHz-16QAM-38000-100RB#0



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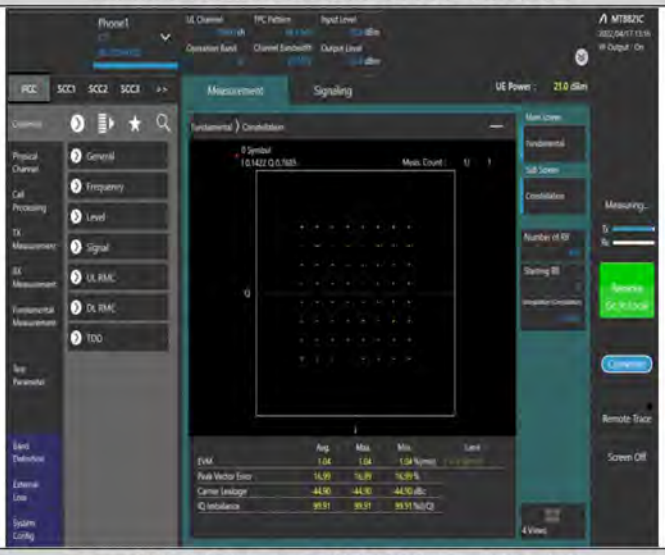
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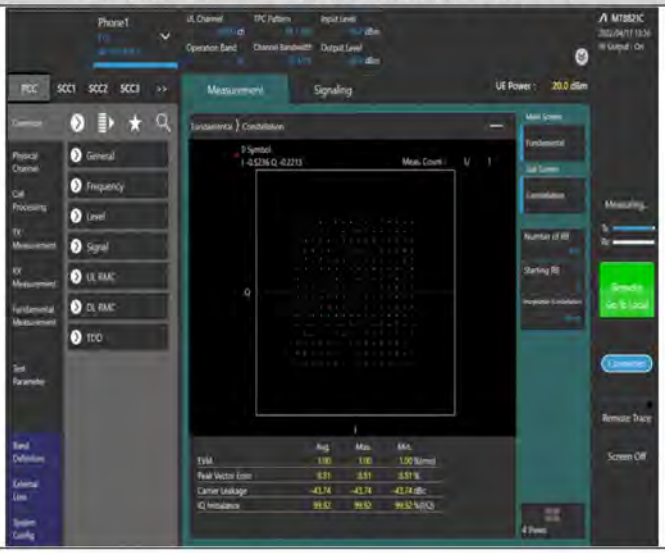

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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.472	5.07	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.478	5.01	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.478	5.11	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.480	5.09	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.479	5.21	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.480	5.10	PASS
Band38	5MHz	64QAM	37775	25RB#0	4.483	4.99	PASS
Band38	5MHz	64QAM	38000	25RB#0	4.476	5.16	PASS
Band38	5MHz	64QAM	38225	25RB#0	4.480	5.16	PASS
Band38	5MHz	256QAM	37775	25RB#0	4.482	5.13	PASS
Band38	5MHz	256QAM	38000	25RB#0	4.481	5.03	PASS
Band38	5MHz	256QAM	38225	25RB#0	4.471	5.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.938	10.12	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.931	9.88	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.955	9.86	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.947	10.12	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.936	9.98	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.943	10.22	PASS
Band38	10MHz	64QAM	37800	50RB#0	8.932	10.16	PASS
Band38	10MHz	64QAM	38000	50RB#0	8.942	10.16	PASS
Band38	10MHz	64QAM	38200	50RB#0	8.940	10.24	PASS
Band38	10MHz	256QAM	37800	50RB#0	8.948	10.08	PASS
Band38	10MHz	256QAM	38000	50RB#0	8.961	9.96	PASS
Band38	10MHz	256QAM	38200	50RB#0	8.931	9.96	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.479	16.68	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.489	16.44	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.494	16.35	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.480	15.36	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.474	15.93	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.498	16.44	PASS

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Band38	15MHz	64QAM	37825	75RB#0	13.488	14.97	PASS
Band38	15MHz	64QAM	38000	75RB#0	13.491	16.20	PASS
Band38	15MHz	64QAM	38175	75RB#0	13.517	16.38	PASS
Band38	15MHz	256QAM	37825	75RB#0	13.475	15.81	PASS
Band38	15MHz	256QAM	38000	75RB#0	13.486	16.20	PASS
Band38	15MHz	256QAM	38175	75RB#0	13.485	15.93	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.887	20.32	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.938	20.24	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.946	20.92	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.913	20.28	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.927	20.08	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.917	20.16	PASS
Band38	20MHz	64QAM	37850	100RB#0	17.911	20.92	PASS
Band38	20MHz	64QAM	38000	100RB#0	17.896	21.20	PASS
Band38	20MHz	64QAM	38150	100RB#0	17.927	20.44	PASS
Band38	20MHz	256QAM	37850	100RB#0	17.908	21.00	PASS
Band38	20MHz	256QAM	38000	100RB#0	17.919	20.96	PASS
Band38	20MHz	256QAM	38150	100RB#0	17.921	20.36	PASS

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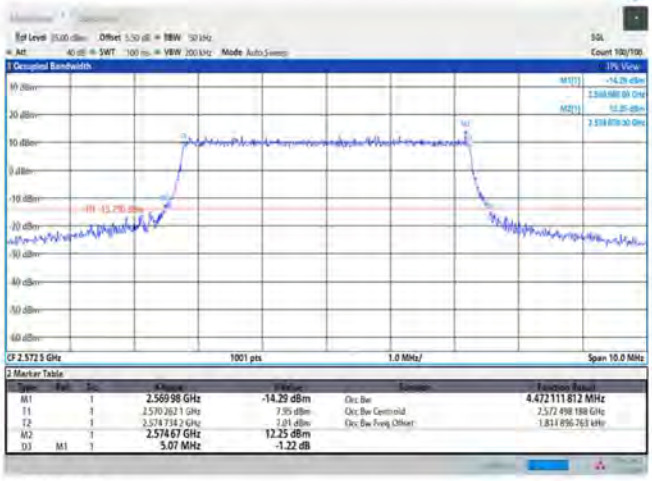
Test Graphs

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



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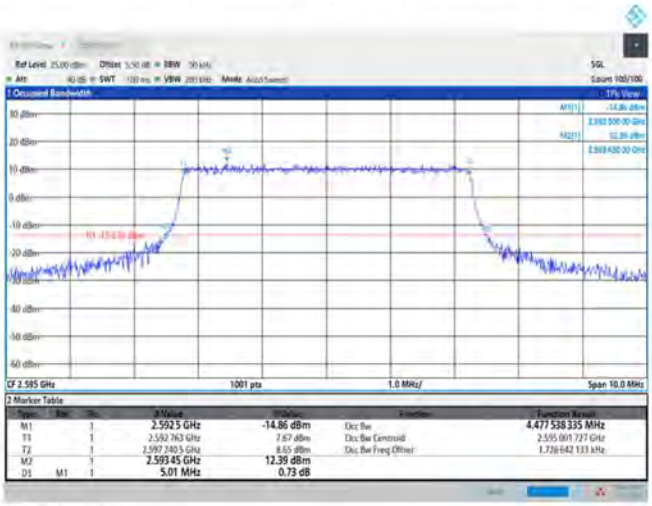

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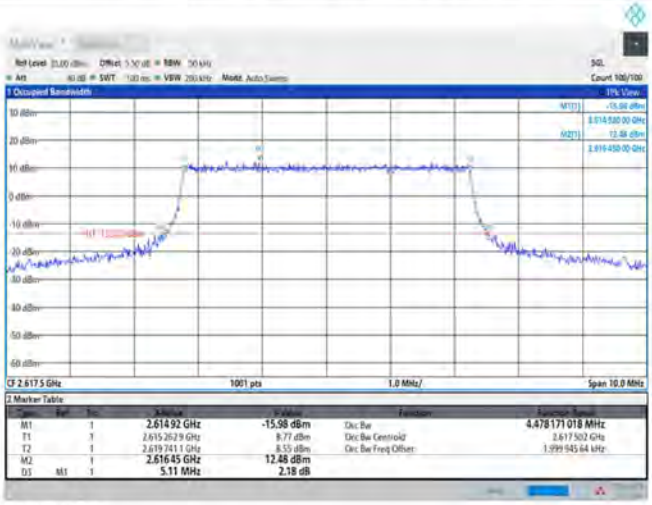

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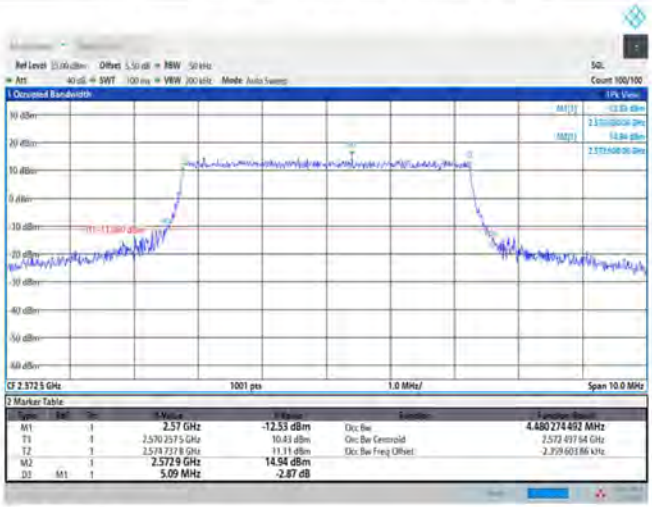

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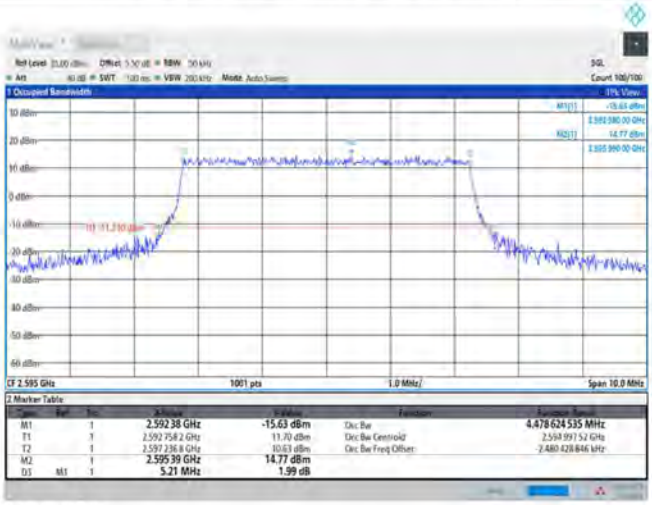

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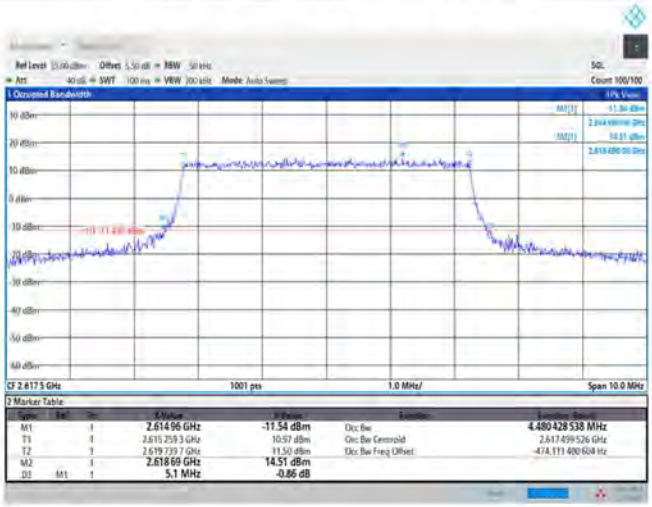

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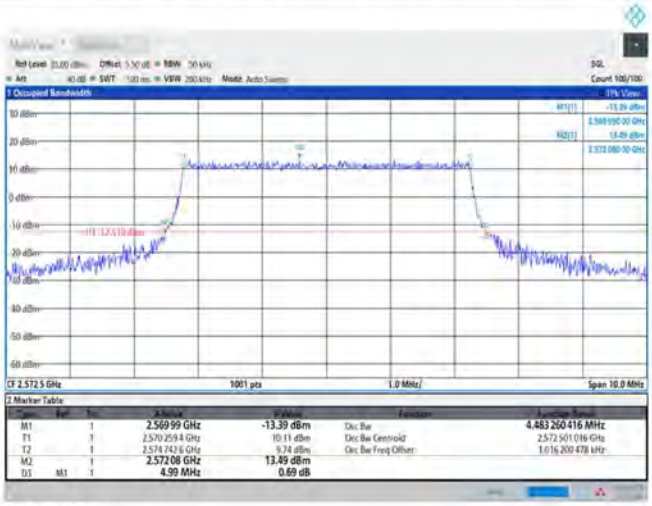
Band38-5MHz-64QAM-37775-25RB#0



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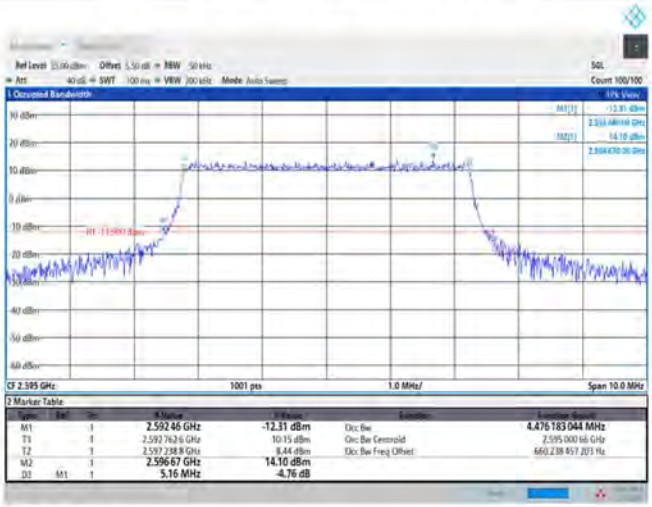

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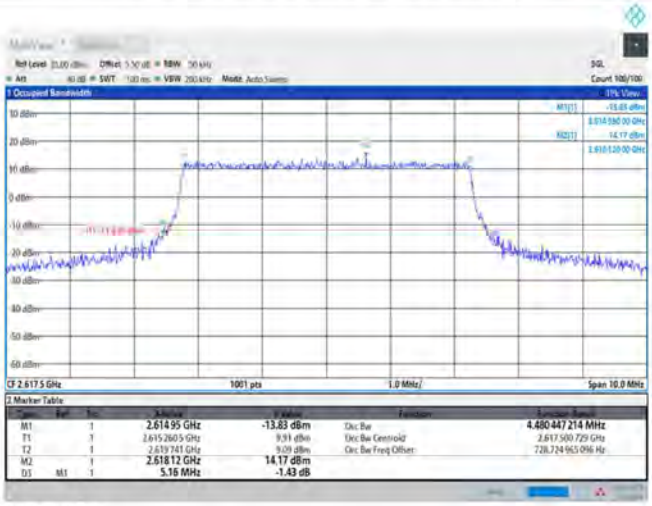
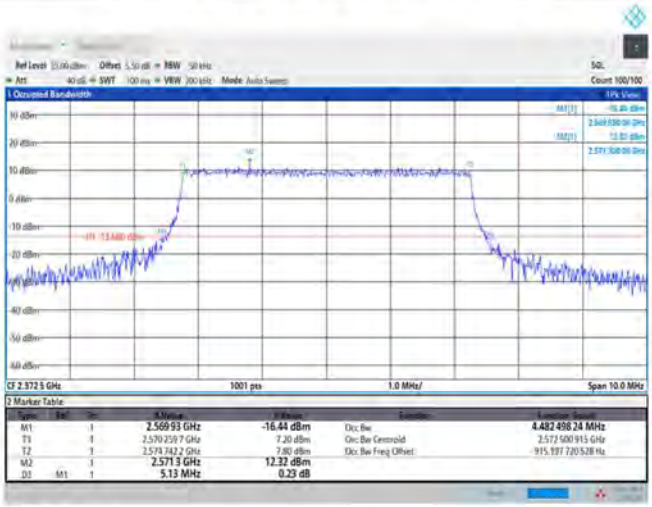
Band38-5MHz-64QAM-38225-25RB#0



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



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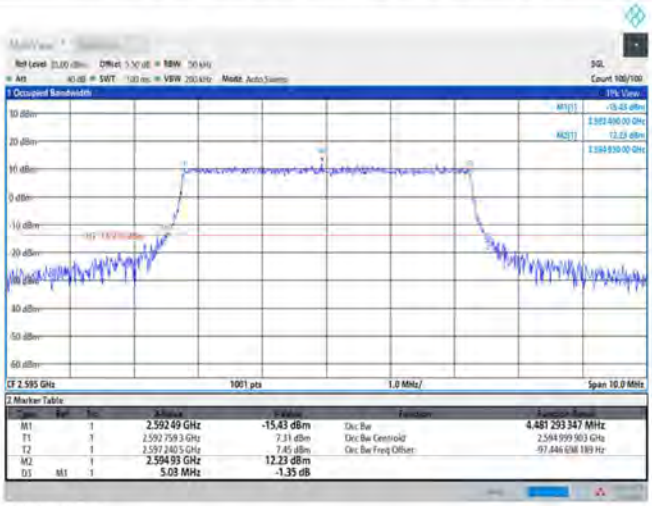

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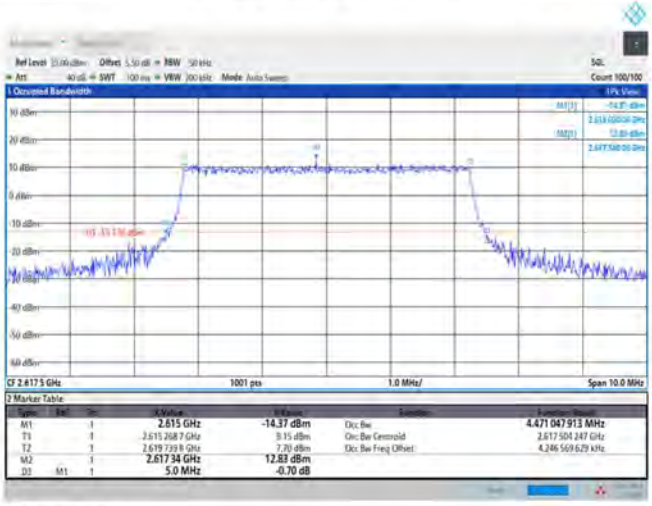

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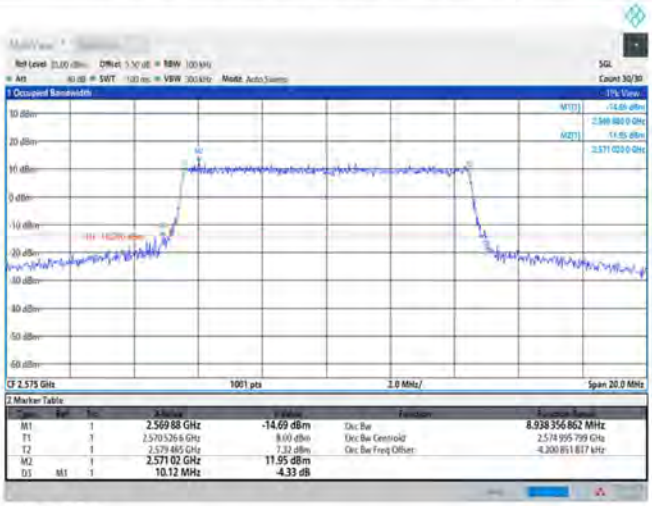

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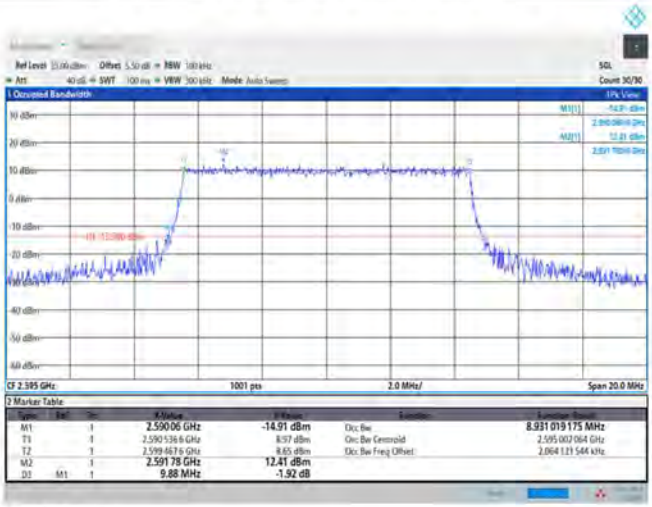

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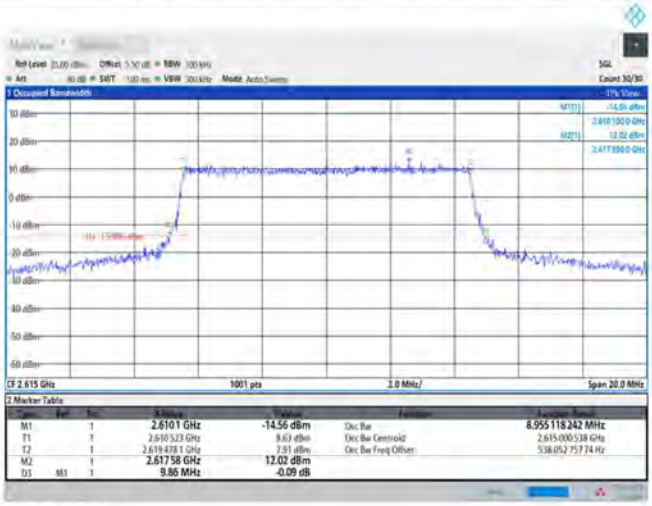

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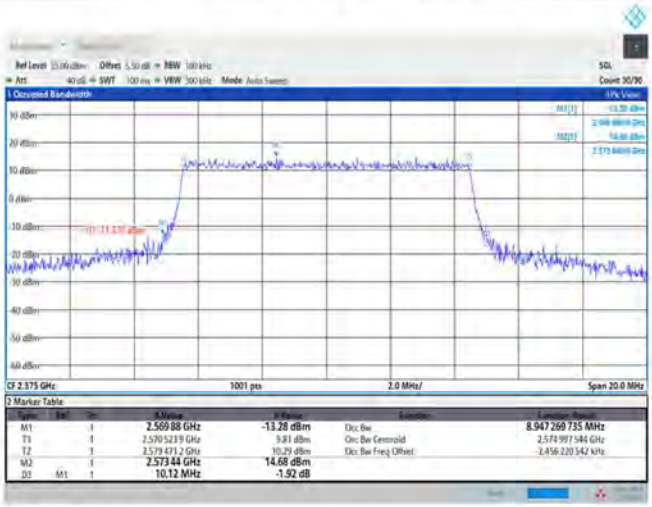

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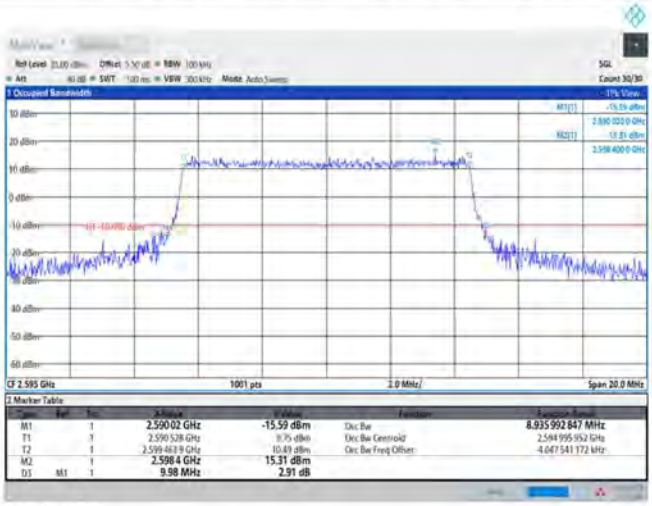

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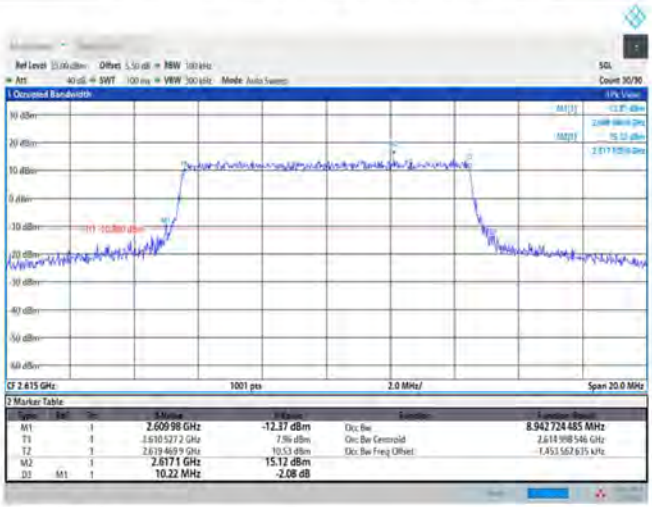

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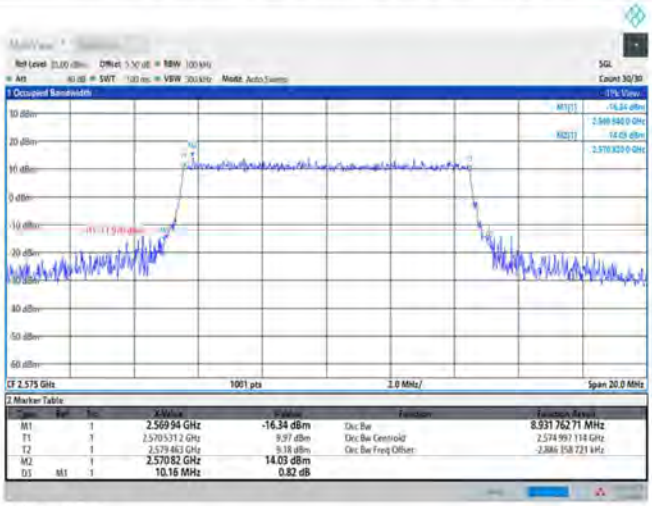
Band38-10MHz-64QAM-37800-50RB#0



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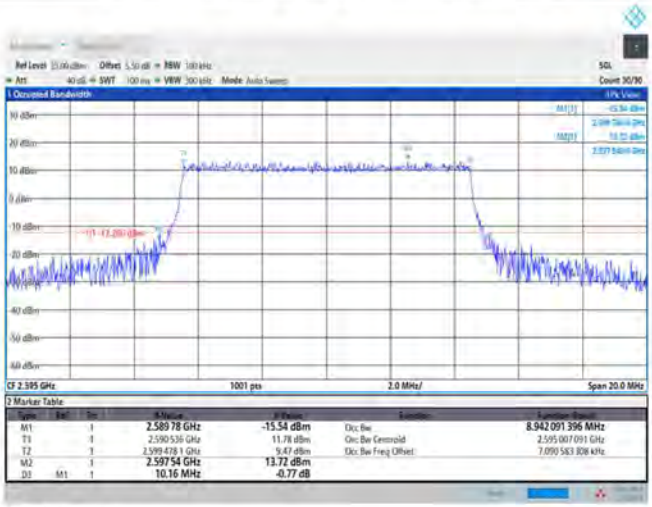

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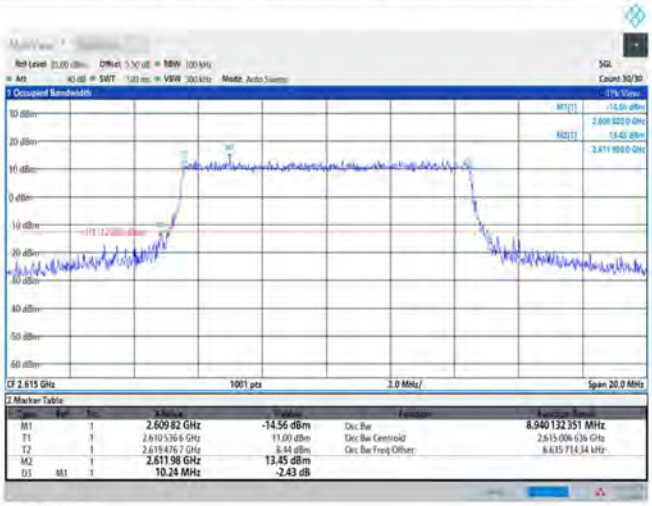
Band38-10MHz-64QAM-38200-50RB#0



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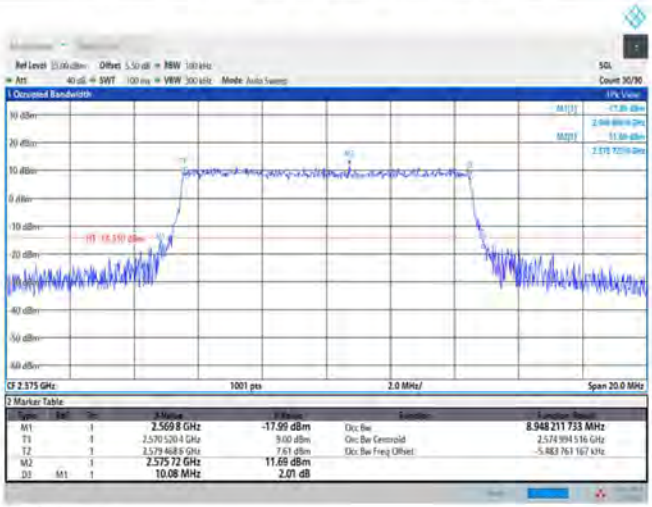

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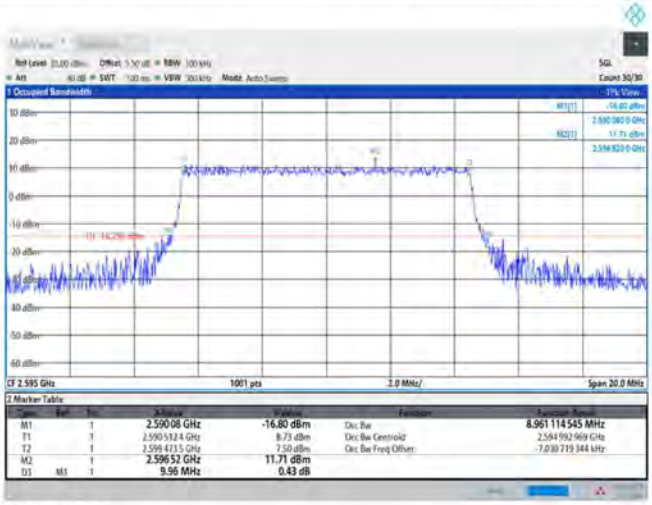
Band38-10MHz-256QAM-38000-50RB#0



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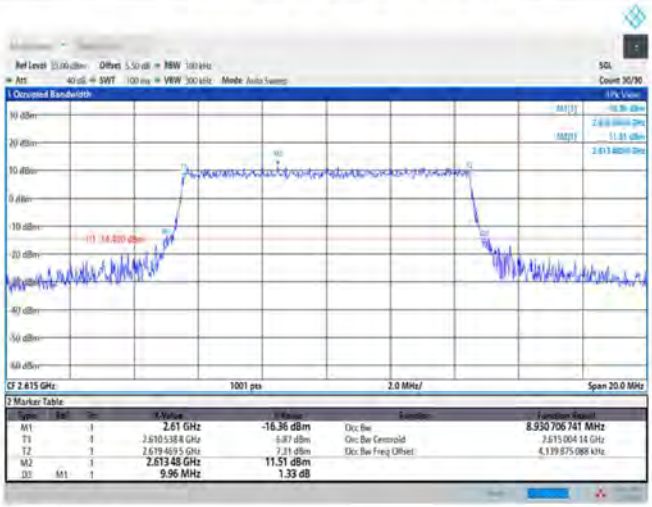

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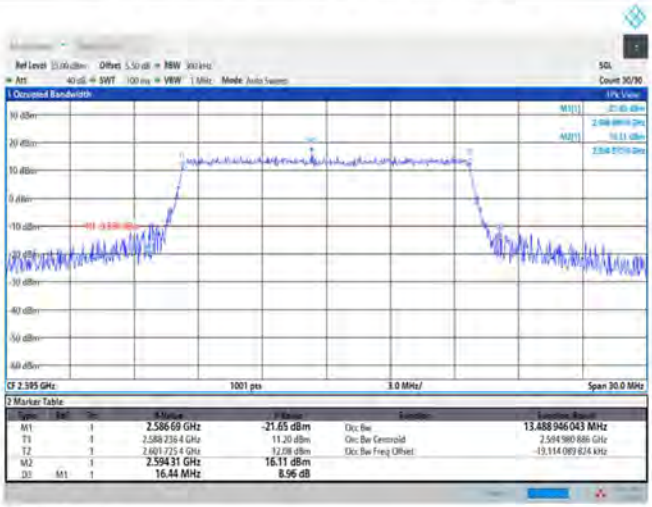
Band38-15MHz-QPSK-37825-75RB#0

Band38-15MHz-QPSK-38000-75RB#0



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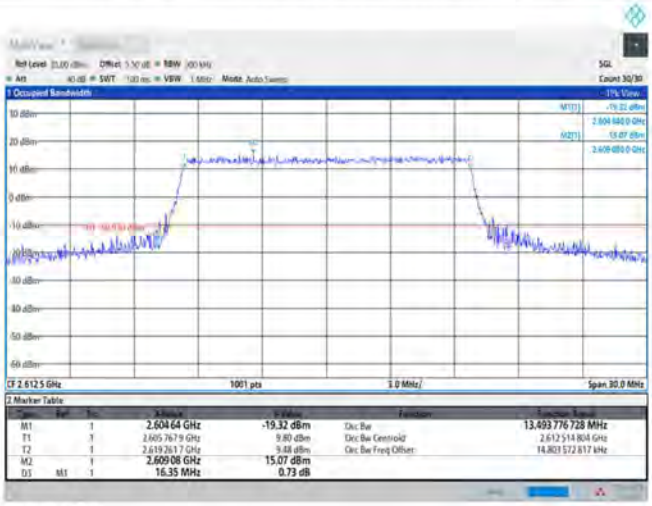
Band38-15MHz-QPSK-38175-75RB#0



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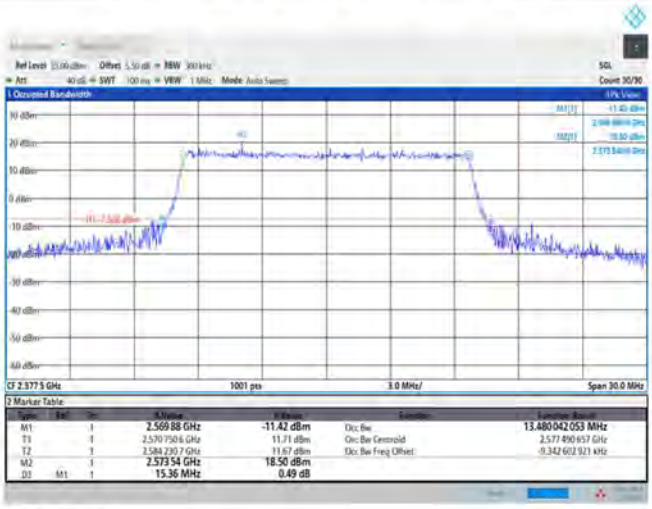

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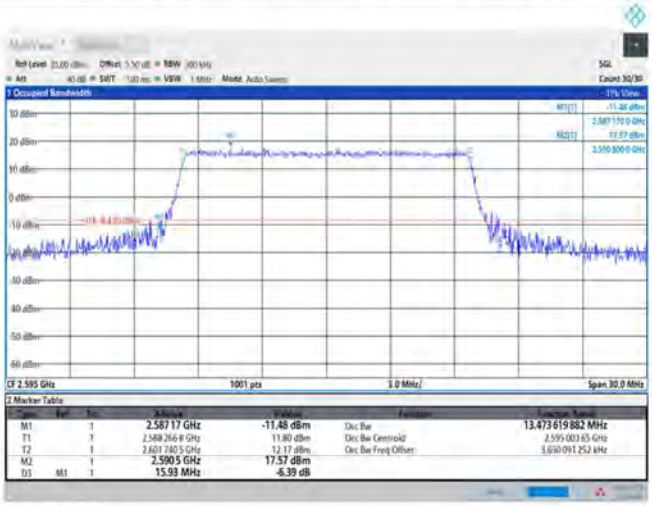

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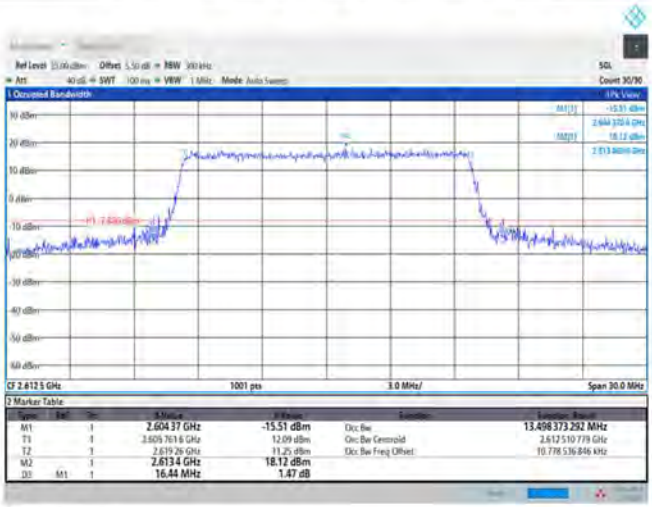

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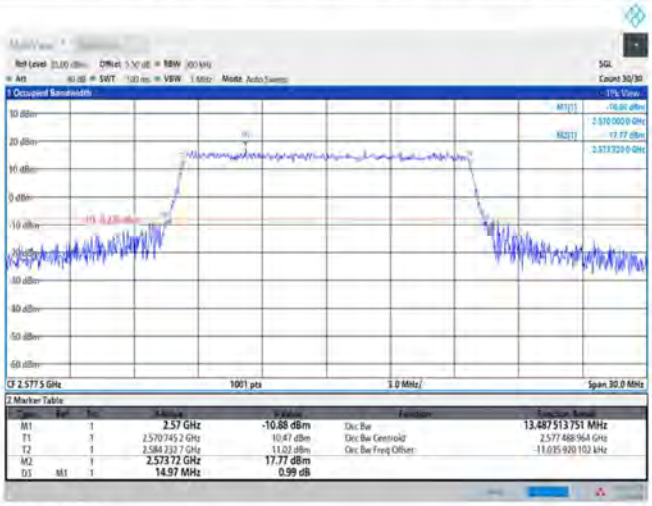
Band38-15MHz-64QAM-37825-75RB#0



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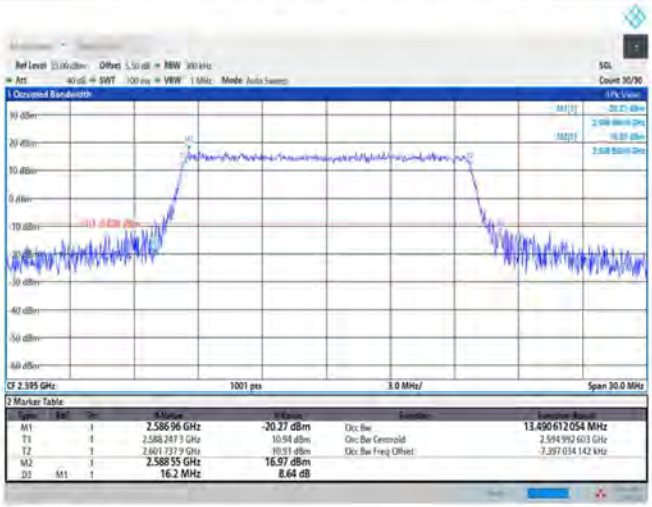

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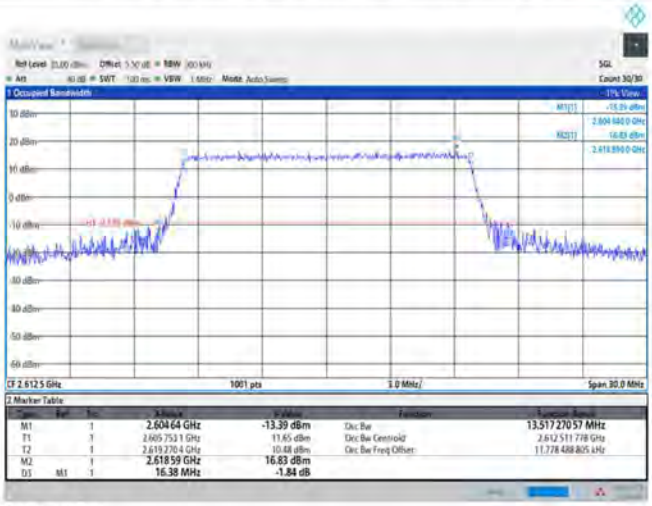

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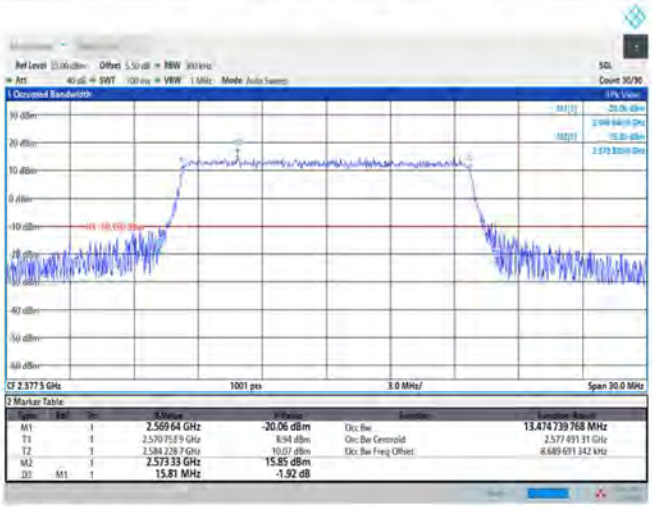

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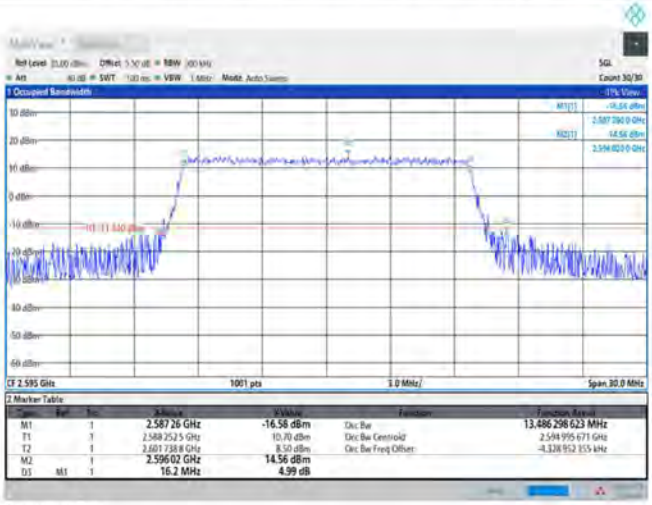

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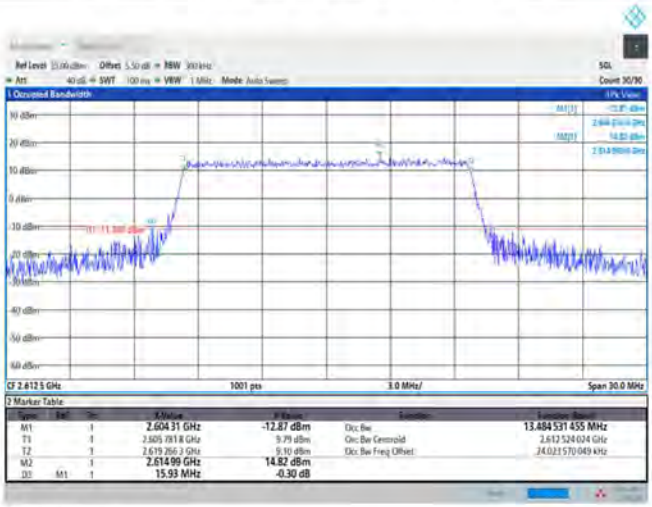

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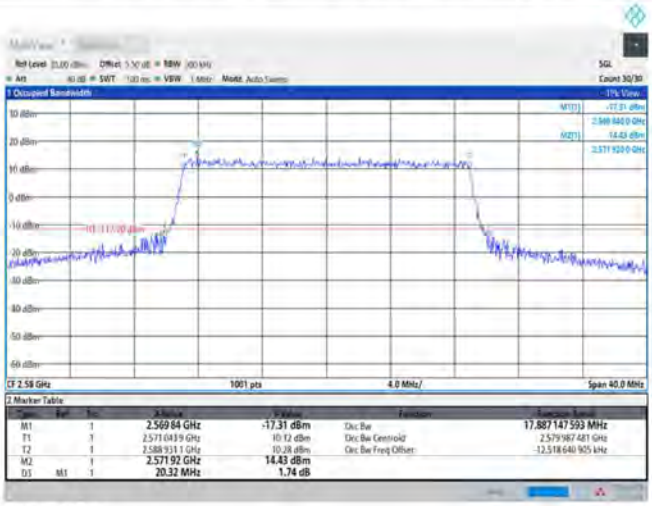
Band38-20MHz-QPSK-37850-100RB#0



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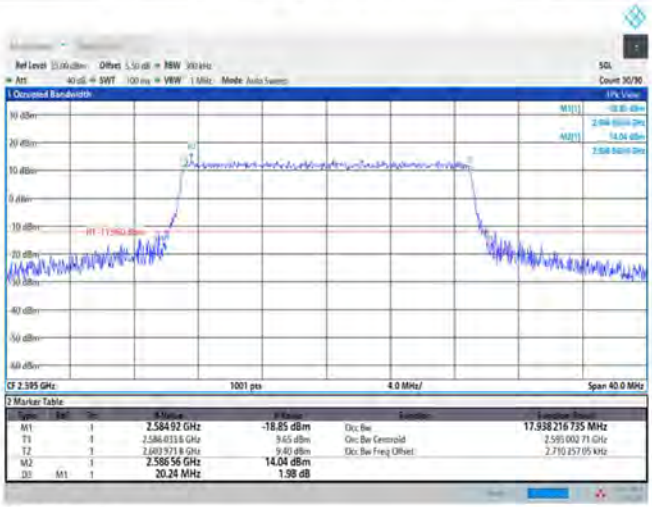

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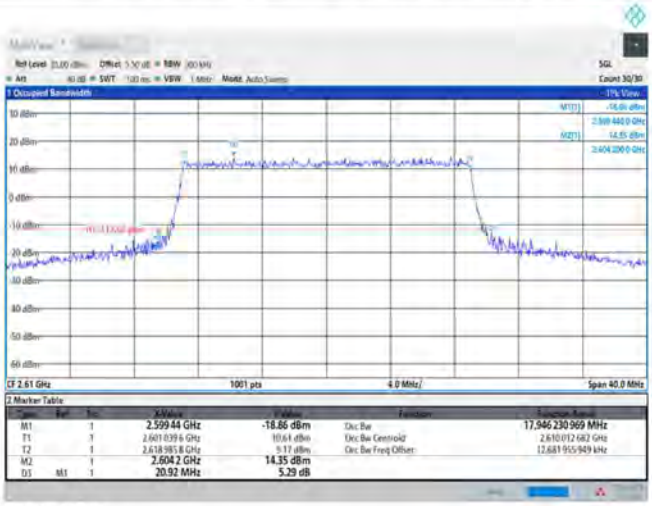
Band38-20MHz-QPSK-38150-100RB#0



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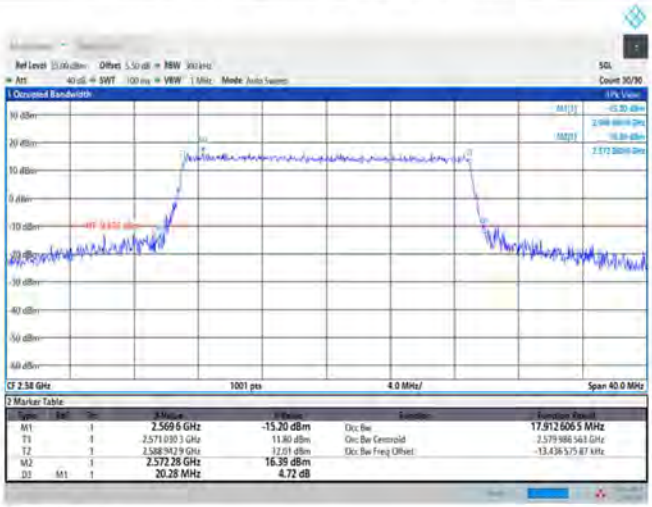

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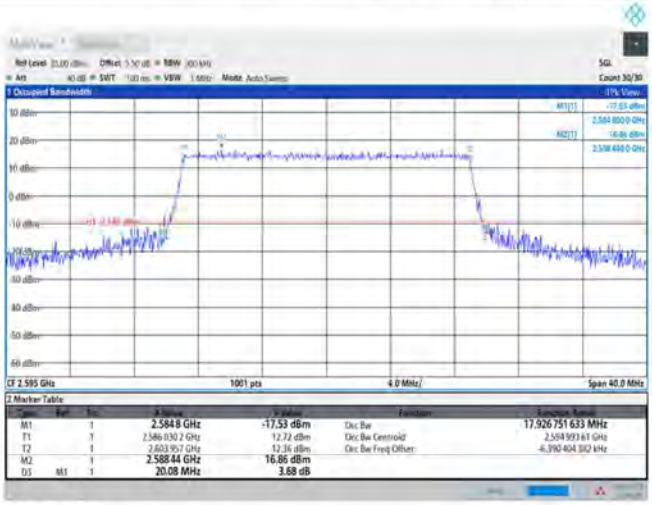
Band38-20MHz-16QAM-38000-100RB#0



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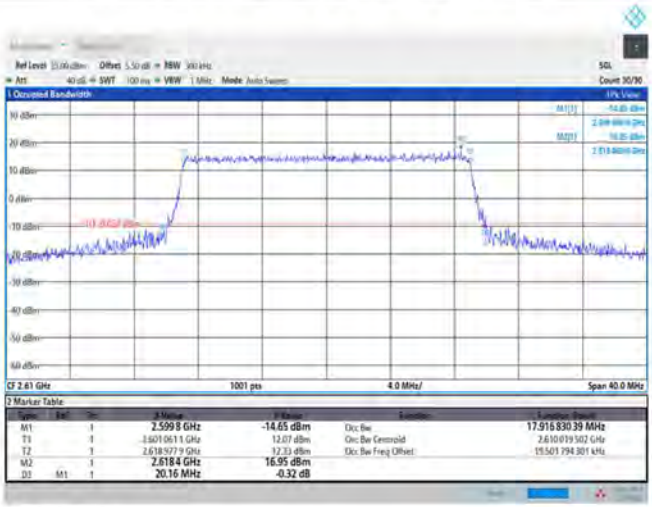

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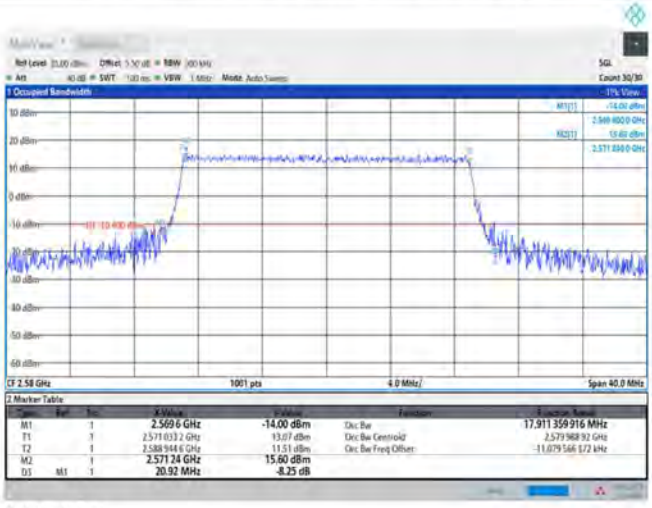
Band38-20MHz-64QAM-37850-100RB#0



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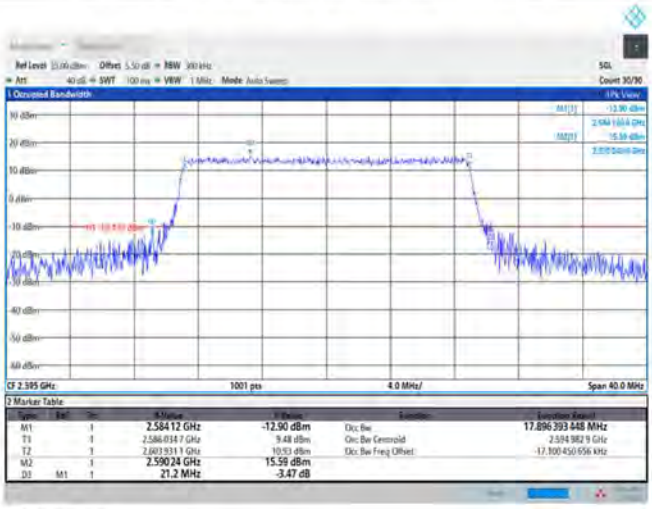

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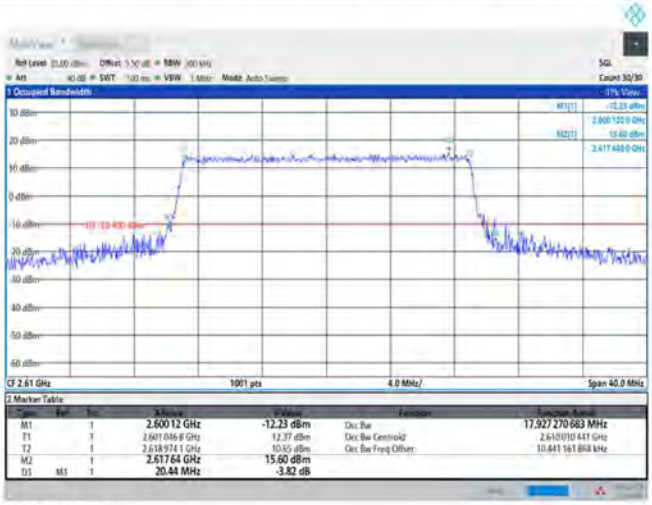
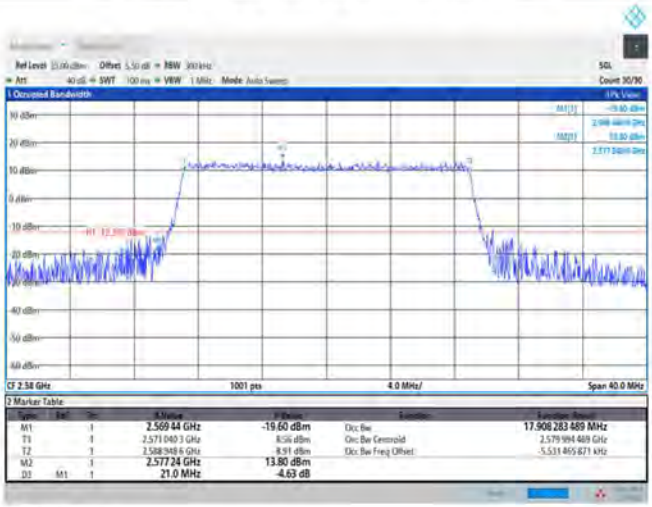
Band38-20MHz-64QAM-38150-100RB#0



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



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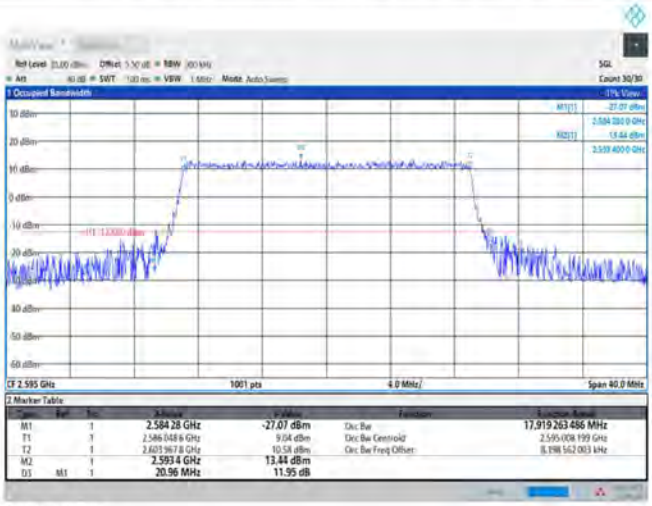
Band38-20MHz-256QAM-38000-100RB#0



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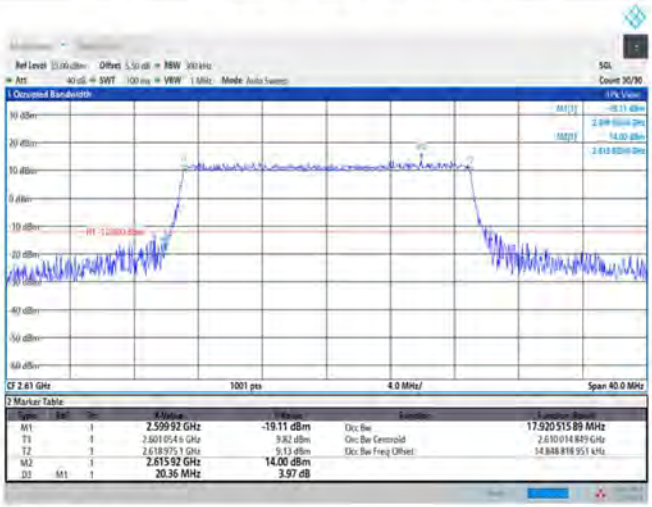

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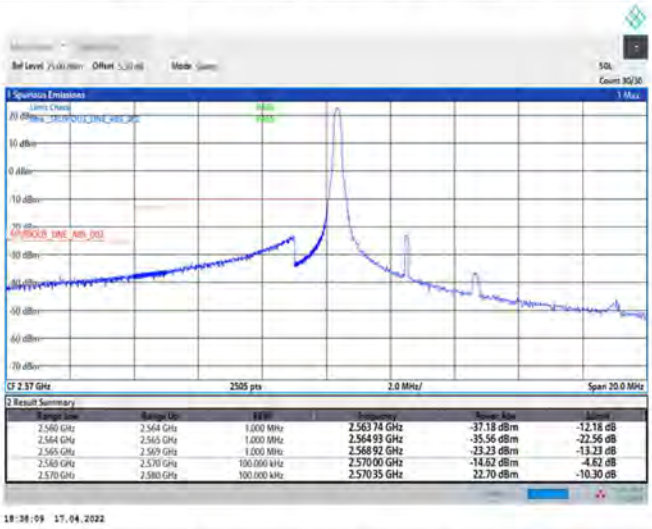
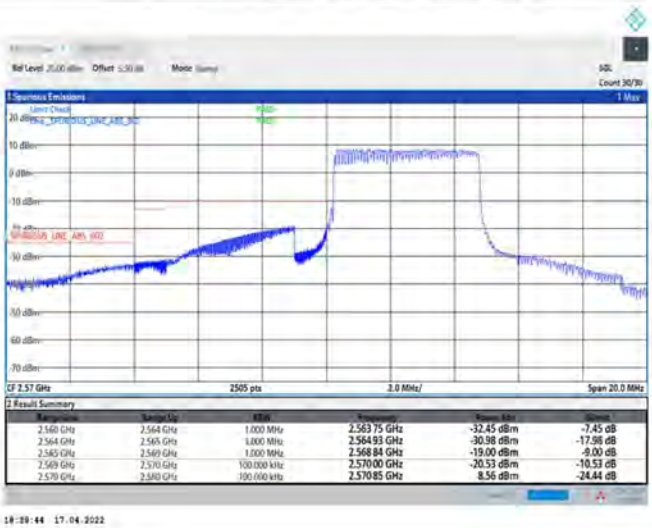
Band Edge

Test Graphs

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



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



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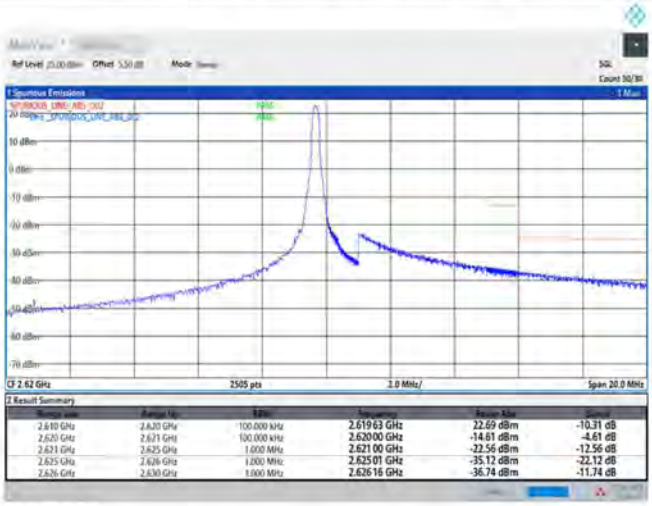
Band38-5MHz-QPSK-38225-1RB#24



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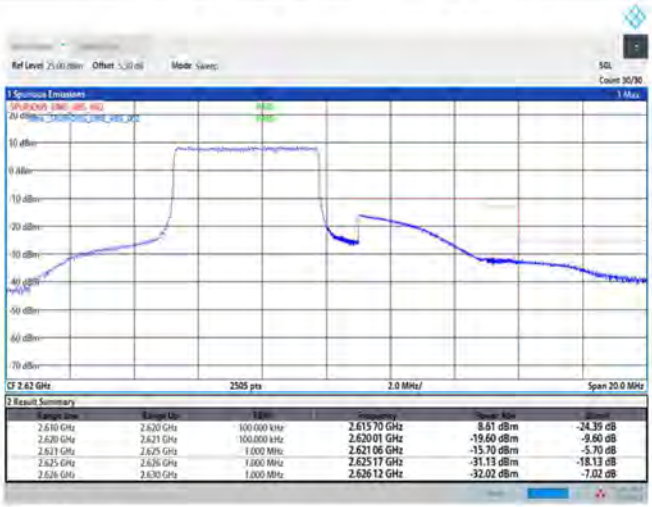

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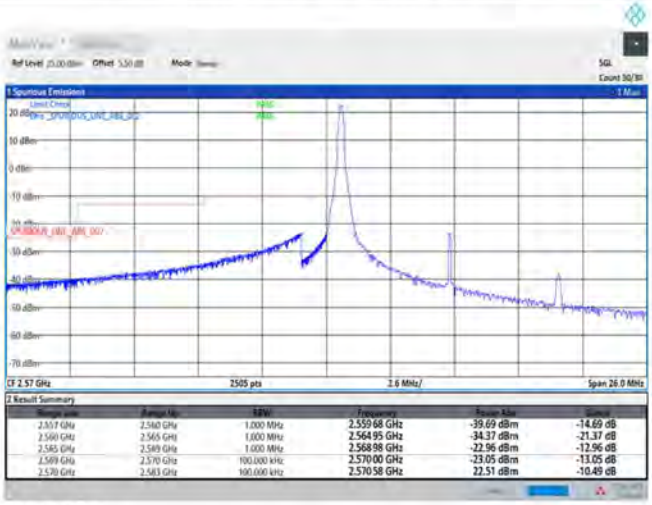
Band38-10MHz-QPSK-37800-1RB#0



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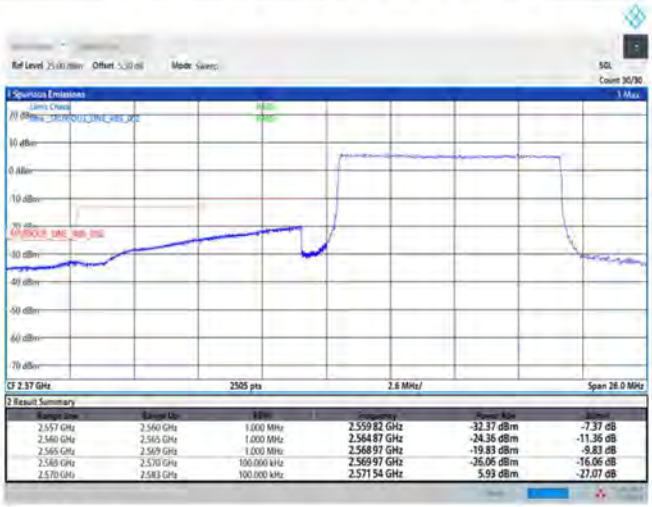

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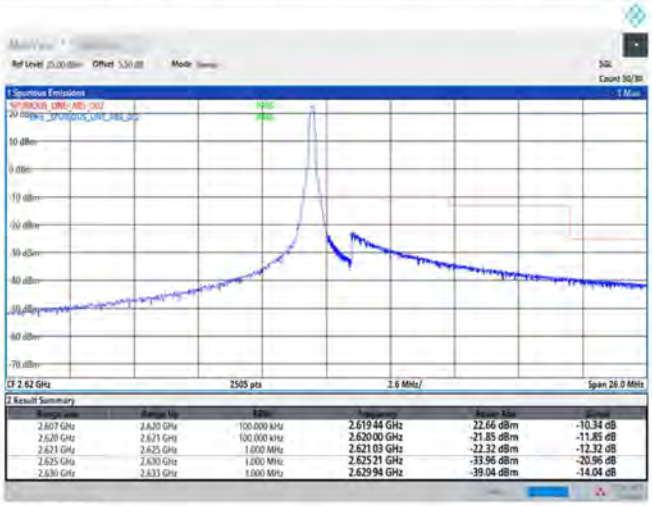
Band38-10MHz-QPSK-38200-1RB#49



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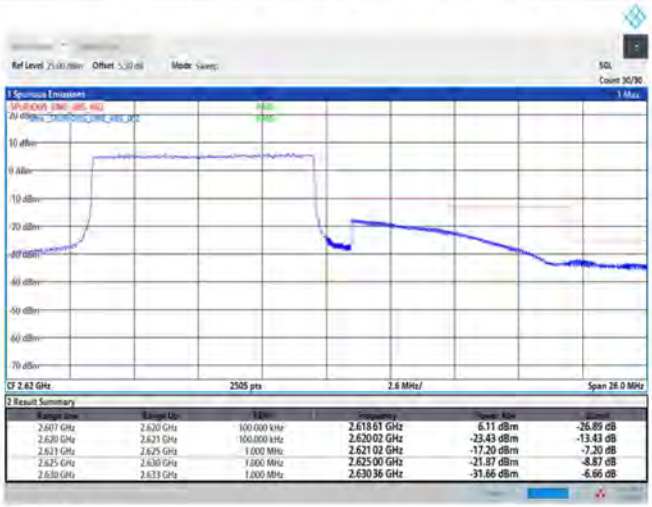

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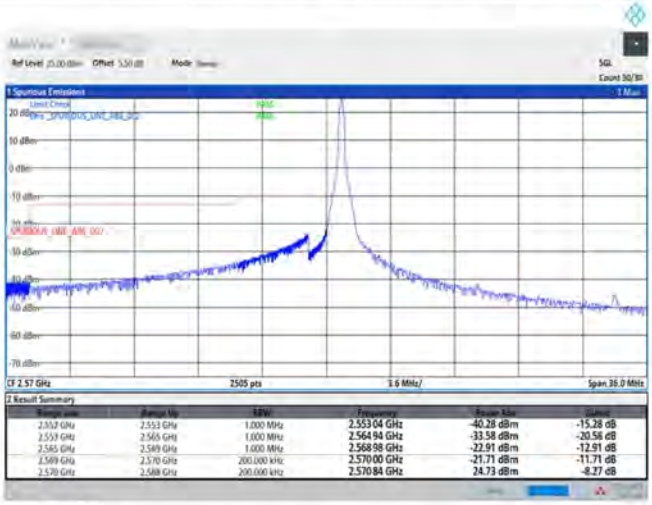
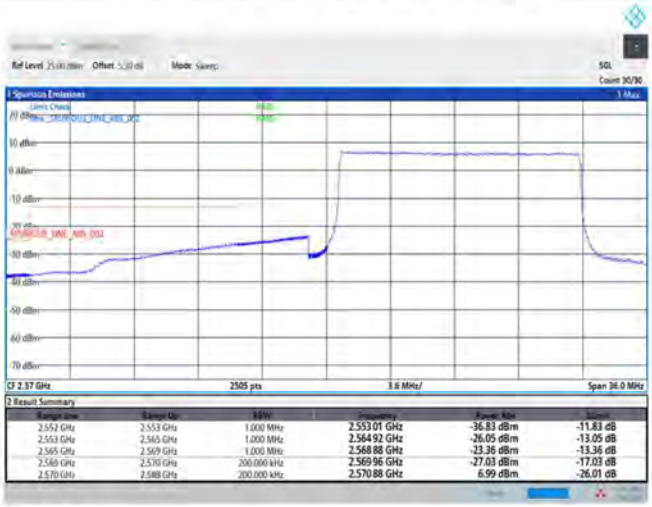
Band38-15MHz-QPSK-37825-1RB#0



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



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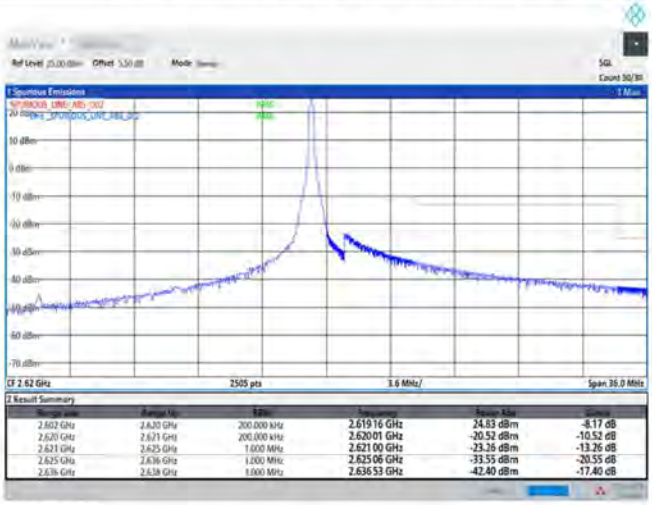
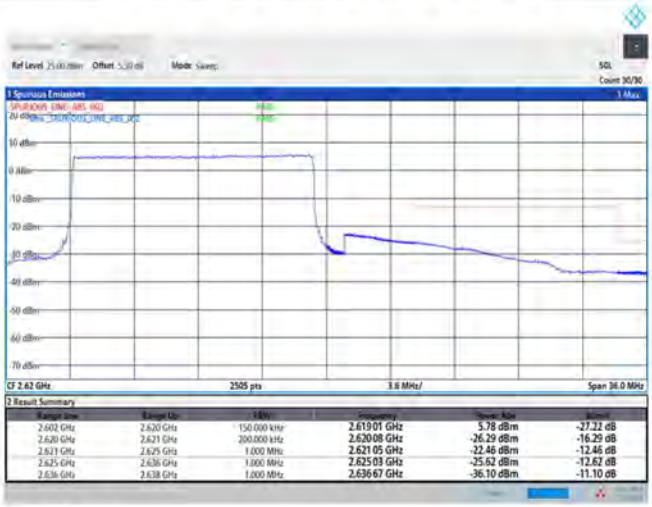
Band38-15MHz-QPSK-38175-1RB#74



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



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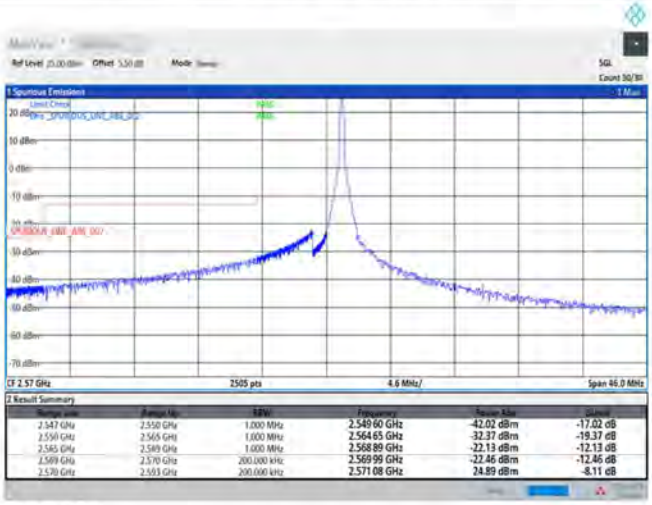
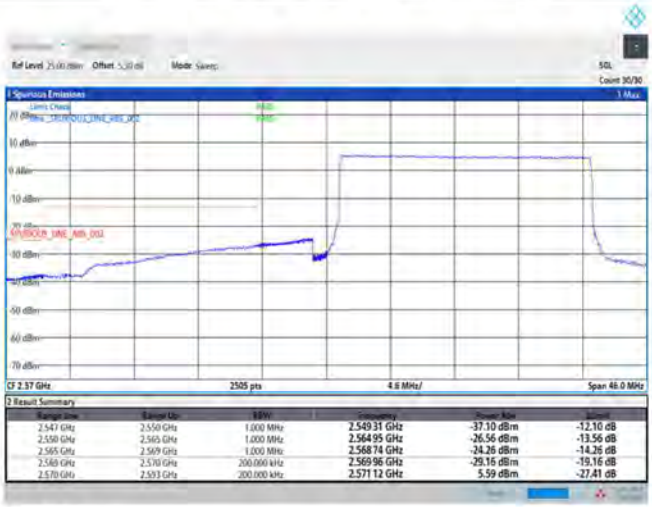
Band38-20MHz-QPSK-37850-1RB#0



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



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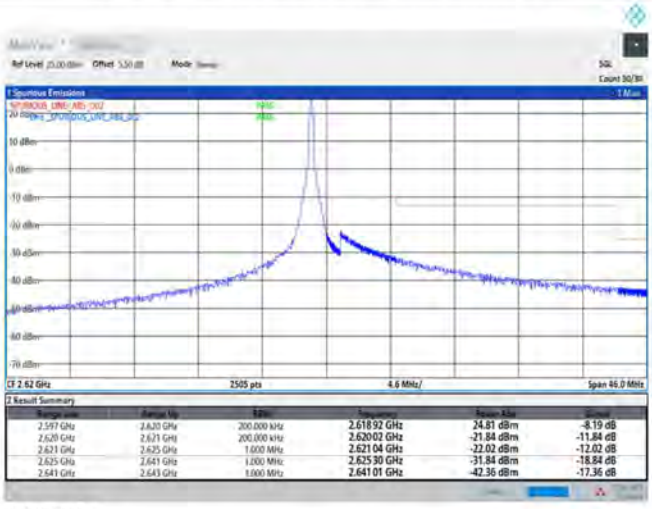
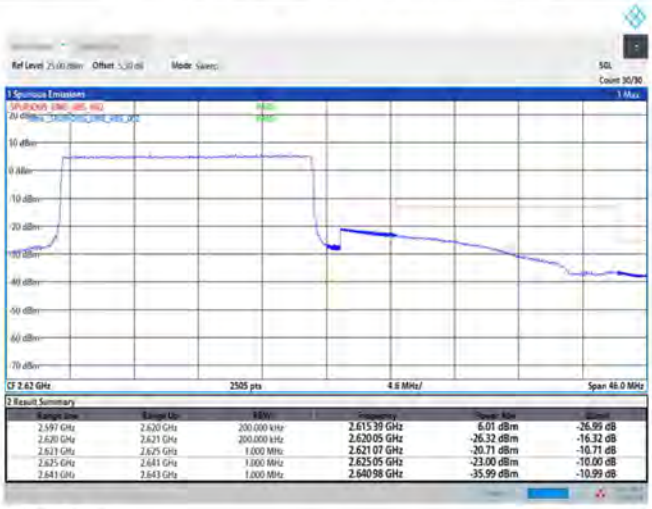
Band38-20MHz-QPSK-38150-1RB#99



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



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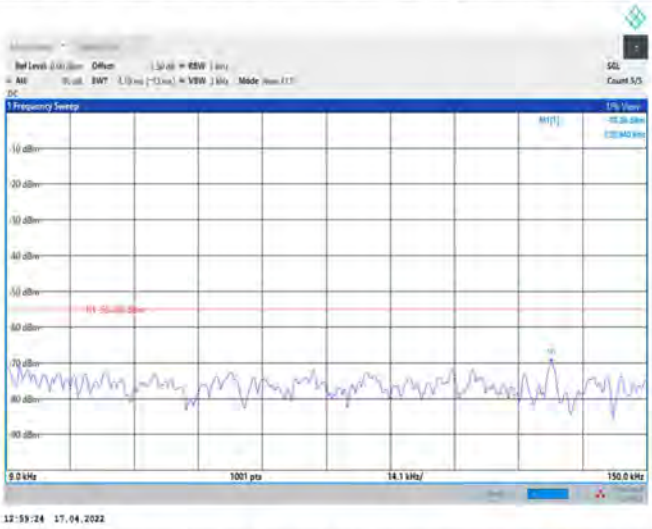
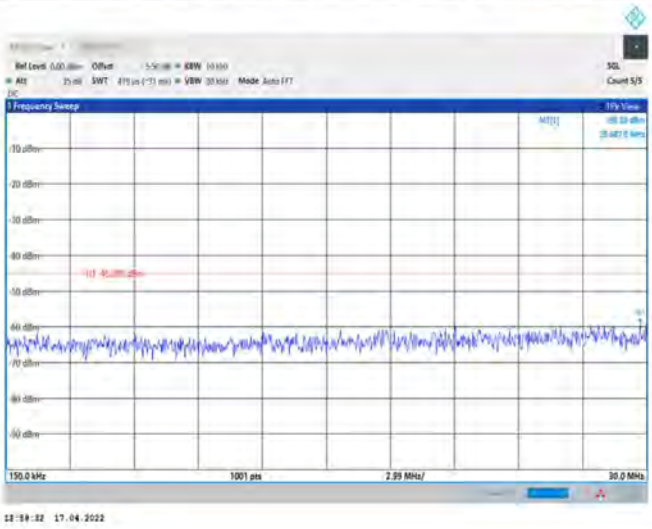
Conducted Spurious Emission

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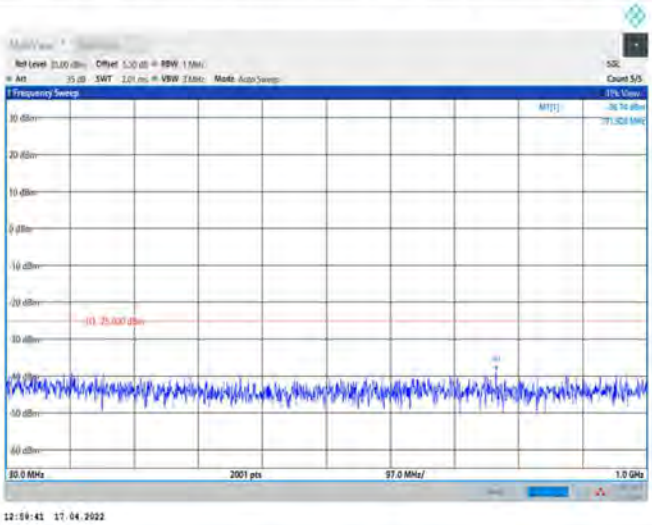
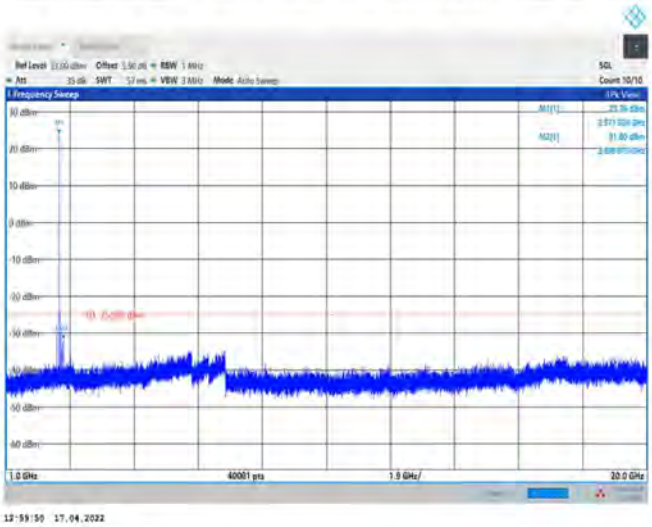
Band38-20MHz-QPSK-37850-1RB#0-Range3:30~1000MHz



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



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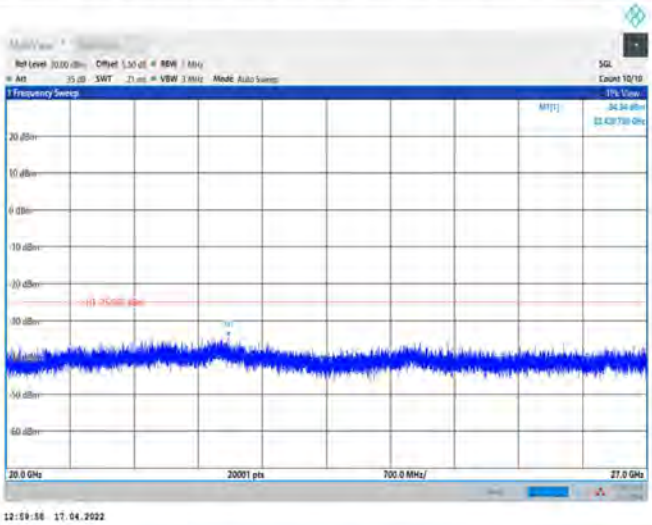
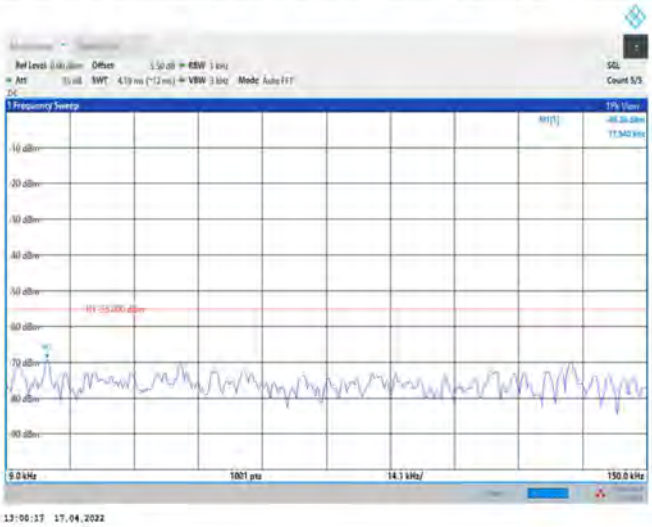
Band38-20MHz-QPSK-37850-1RB#0-Range5:20000~27000MHz



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



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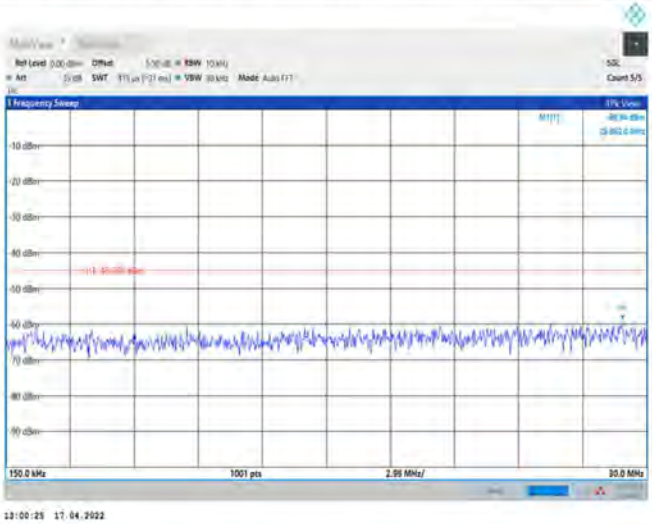
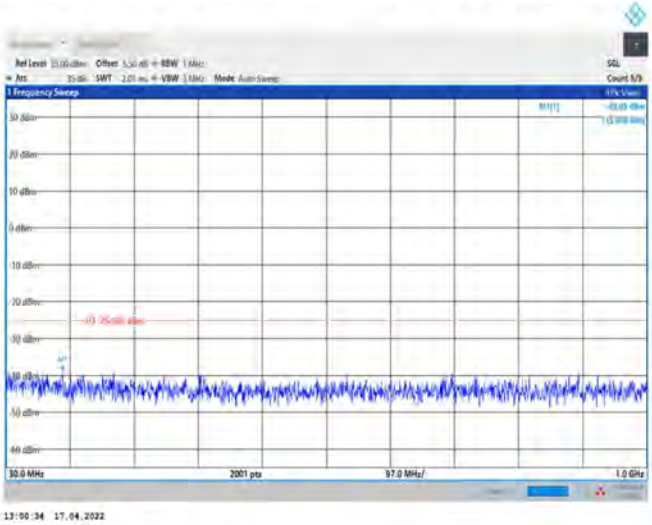
Band38-20MHz-QPSK-38000-1RB#0-Range2:0.15~30MHz



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



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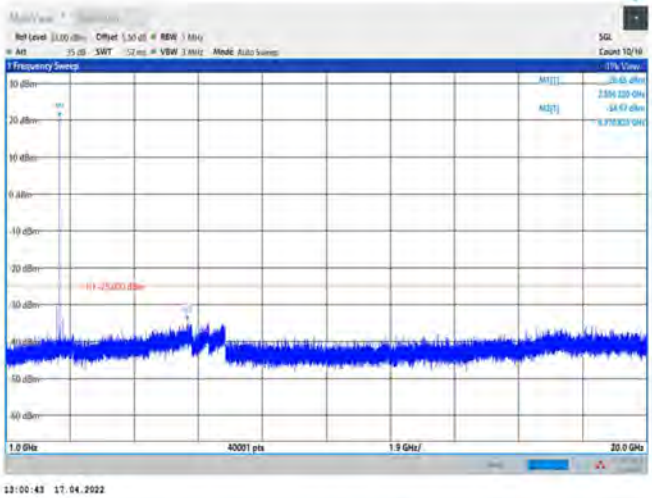
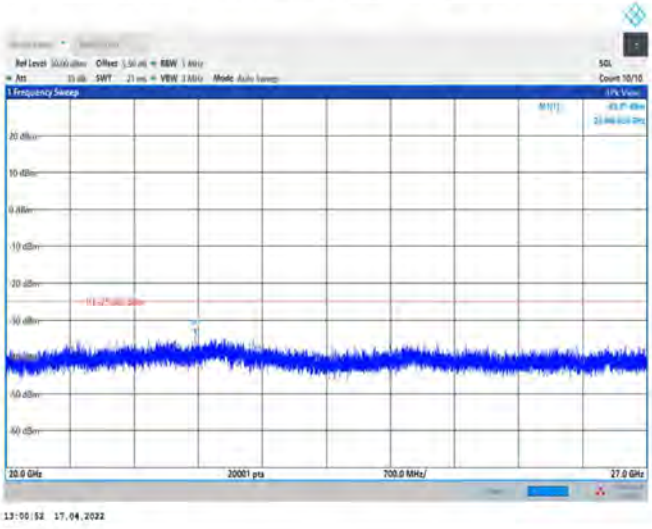
Band38-20MHz-QPSK-38000-1RB#0-Range4:1000~20000MHz



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



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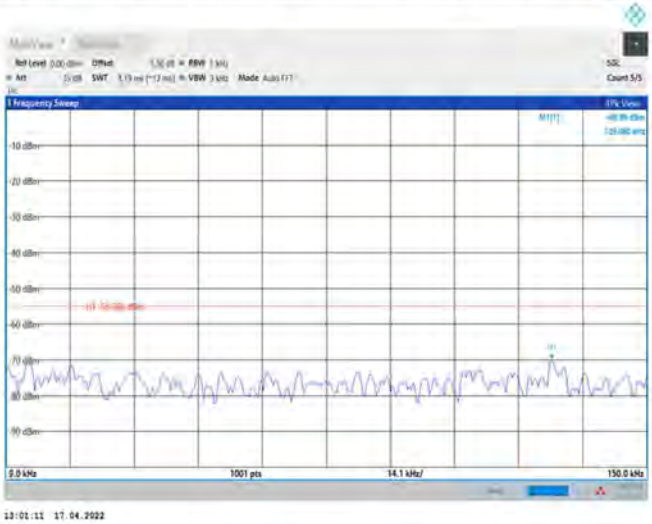
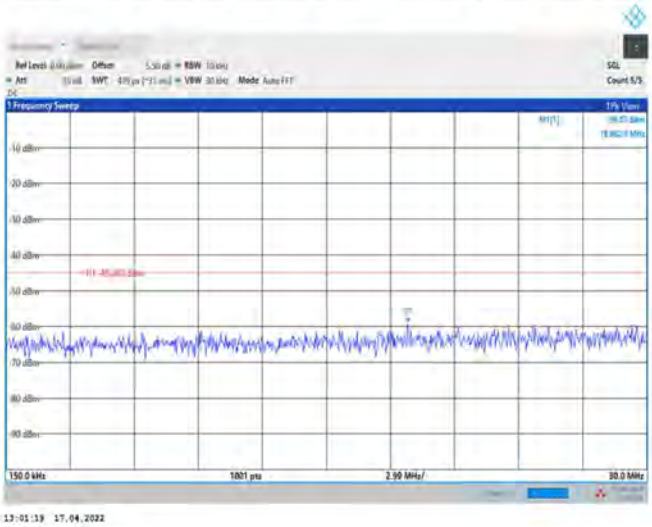
Band38-20MHz-QPSK-38150-1RB#0-Range1:0.009~0.15MHz



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



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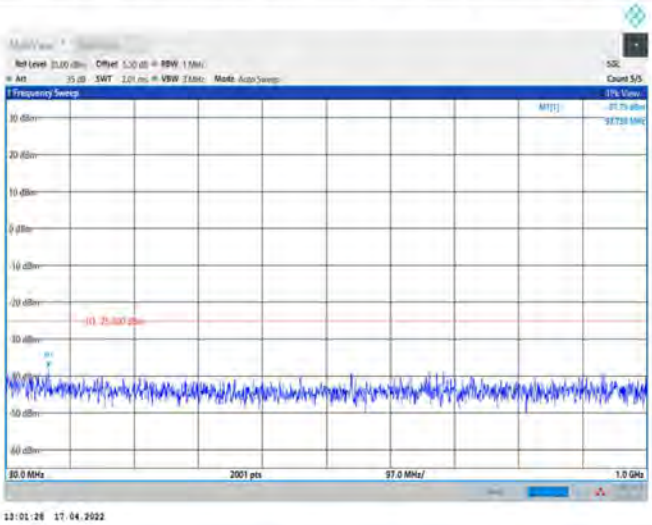
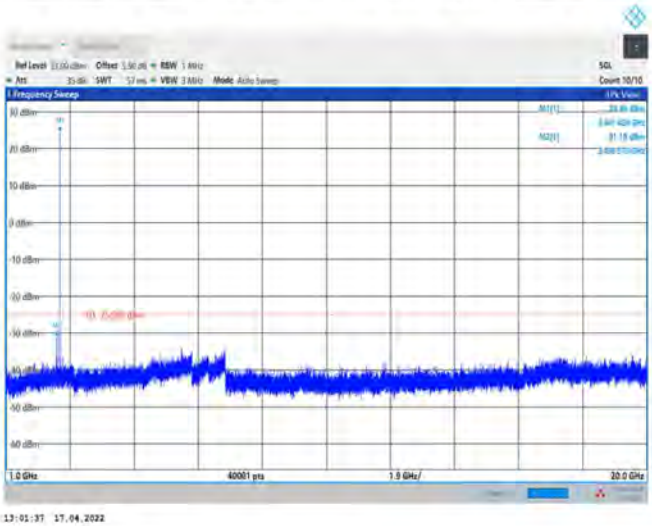
Band38-20MHz-QPSK-38150-1RB#0-Range3:30~1000MHz



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



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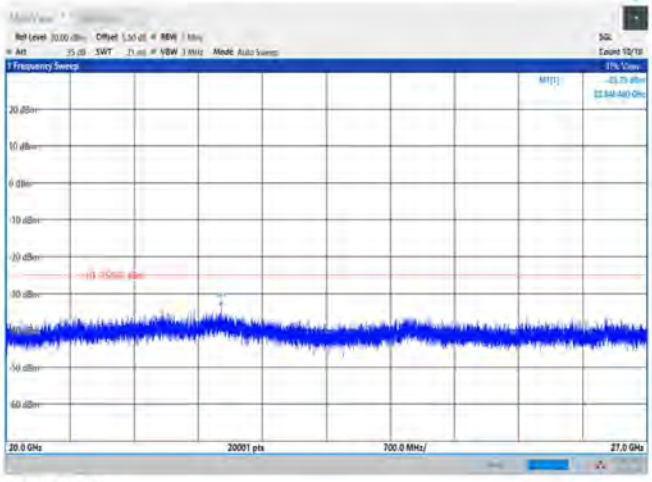
Band38-20MHz-QPSK-38150-1RB#0-Range5:20000~27000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band 38_ TM1
Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5142.18	51.13	-106.89	-55.76	-25.00	30.76	263	142	Horizontal
2	7713.27	49.37	-99.56	-50.19	-25.00	25.19	251	223	Horizontal
3	10284.36	43.75	-93.24	-49.49	-25.00	24.49	174	9	Horizontal
4	12855.45	42.90	-90.76	-47.86	-25.00	22.86	162	84	Horizontal
5	15426.54	41.68	-90.57	-48.89	-25.00	23.89	241	2	Horizontal
6	17997.63	39.12	-84.09	-44.97	-25.00	19.97	263	270	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5142.18	51.91	-106.89	-54.98	-25.00	29.98	263	96	Vertical
2	7713.27	50.66	-99.56	-48.90	-25.00	23.90	241	57	Vertical
3	10284.36	44.40	-93.24	-48.84	-25.00	23.84	176	131	Vertical
4	12855.45	43.81	-90.76	-46.95	-25.00	21.95	264	294	Vertical
5	15426.54	41.23	-90.57	-49.34	-25.00	24.34	188	186	Vertical
6	17997.63	39.38	-84.09	-44.71	-25.00	19.71	183	255	Vertical

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Test Band = LTE Band 38_ TM1
Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5172.18	49.85	-106.85	-57.00	-25.00	32.00	263	95	Horizontal
2	7758.27	49.00	-99.15	-50.15	-25.00	25.15	251	131	Horizontal
3	10344.36	42.36	-93.05	-50.69	-25.00	25.69	175	38	Horizontal
4	12930.45	43.00	-90.61	-47.61	-25.00	22.61	265	357	Horizontal
5	15516.54	42.11	-90.85	-48.74	-25.00	23.74	241	71	Horizontal
6	17865	42.41	-84.17	-41.76	-25.00	16.76	178	176	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5172.18	51.83	-106.85	-55.02	-25.00	30.02	362	127	Vertical
2	7758.27	47.96	-99.15	-51.19	-25.00	26.19	251	71	Vertical
3	10344.36	43.14	-93.05	-49.91	-25.00	24.91	186	9	Vertical
4	12930.45	42.69	-90.61	-47.92	-25.00	22.92	264	23	Vertical
5	15516.54	40.78	-90.85	-50.07	-25.00	25.07	176	178	Vertical
6	17907.8571	42.70	-84.12	-41.42	-25.00	16.42	263	94	Vertical

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Test Band = LTE Band 38_ TM1
Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5202.18	50.20	-106.81	-56.61	-25.00	31.61	263	96	Horizontal
2	7803.27	49.20	-98.77	-49.57	-25.00	24.57	251	339	Horizontal
3	10404.36	42.63	-92.78	-50.15	-25.00	25.15	174	304	Horizontal
4	13005.45	43.96	-90.54	-46.58	-25.00	21.58	186	9	Horizontal
5	15606.54	42.97	-90.76	-47.79	-25.00	22.79	264	2	Horizontal
6	17865	42.58	-84.17	-41.59	-25.00	16.59	148	62	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5202.18	53.62	-106.81	-53.19	-25.00	28.19	263	96	Vertical
2	7803.27	48.79	-98.77	-49.98	-25.00	24.98	251	71	Vertical
3	10404.36	42.67	-92.78	-50.11	-25.00	25.11	174	338	Vertical
4	13005.45	42.88	-90.54	-47.66	-25.00	22.66	263	254	Vertical
5	15606.54	41.57	-90.76	-49.19	-25.00	24.19	241	178	Vertical
6	17854.2857	41.99	-84.19	-42.20	-25.00	17.20	268	164	Vertical

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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-0.70	-0.000270	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-1.60	-0.000617	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-1.40	-0.000539	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-0.20	-0.000077	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	-1.90	-0.000732	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-10	0.90	0.000347	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	0.50	0.000193	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-1.40	-0.000539	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	0.30	0.000116	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-1.90	-0.000732	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-2.50	-0.000963	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	0.00	0.000000	PASS

---End of Attachment---

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