Appendix B

E-UTRA Band 38

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1 Effective (Isotropic) Radiated Power

1.1. Test Result

ANT13:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	23.34	22.02	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	23.30	21.98	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	23.30	21.98	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	22.33	21.01	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	22.29	20.97	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	22.27	20.95	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.36	21.04	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	23.35	22.03	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	23.38	22.06	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	23.34	22.02	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	22.36	21.04	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	22.36	21.04	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	22.37	21.05	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	22.36	21.04	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	23.44	22.12	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	23.40	22.08	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	23.43	22.11	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	22.48	21.16	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	22.45	21.13	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	22.48	21.16	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	22.50	21.18	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.35	21.03	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.38	21.06	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.32	21.00	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	21.28	19.96	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	21.24	19.92	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	21.22	19.90	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.37	20.05	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	22.29	20.97	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.38	21.06	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.39	21.07	33.00	PASS

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Band38	5MHz	16QAM	38000	12RB#0	21.34	20.02	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	21.29	19.97	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	21.37	20.05	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	21.40	20.08	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	22.45	21.13	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.41	21.09	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.51	21.19	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#0	21.42	20.10	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#6	21.44	20.12	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	21.46	20.14	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	21.49	20.17	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	21.54	20.22	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	21.51	20.19	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	21.54	20.22	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#0	20.68	19.36	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#6	20.60	19.28	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#13	20.56	19.24	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	20.68	19.36	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	21.62	20.30	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	21.61	20.29	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	21.60	20.28	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#0	20.55	19.23	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#6	20.68	19.36	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#13	20.58	19.26	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	20.61	19.29	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	21.68	20.36	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	21.62	20.30	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	21.65	20.33	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#0	20.72	19.40	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#6	20.62	19.30	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#13	20.72	19.40	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	20.77	19.45	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.34	22.02	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.36	22.04	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.36	22.04	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	22.27	20.95	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	22.24	20.92	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#25	22.29	20.97	33.00	PASS

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Band38	10MHz	QPSK	38000	1RB#0	23.35	22.03	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	23.34	22.02	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	23.31	21.99	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#0	22.36	21.04	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	22.32	21.00	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	22.44	21.12	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	22.43	21.11	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	23.32	22.00	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	23.42	22.10	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	23.47	22.15	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	22.47	21.15	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	22.43	21.11	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	22.51	21.19	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	22.51	21.19	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.38	21.06	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.35	21.03	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.30	20.98	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#0	21.36	20.04	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	21.28	19.96	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	21.32	20.00	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	21.28	19.96	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.34	21.02	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.38	21.06	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.38	21.06	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	21.38	20.06	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	21.41	20.09	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	21.43	20.11	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	21.39	20.07	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.38	21.06	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.44	21.12	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.55	21.23	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	21.50	20.18	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	21.52	20.20	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	21.55	20.23	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	21.49	20.17	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	21.68	20.36	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	21.59	20.27	33.00	PASS

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Band38	10MHz	64QAM	37800	25RB#0	20.47	19.15	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#12	20.53	19.21	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#25	20.60	19.28	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	20.54	19.22	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	21.52	20.20	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	21.61	20.29	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	21.60	20.28	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#0	20.60	19.28	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#12	20.61	19.29	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#25	20.67	19.35	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	20.77	19.45	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	21.49	20.17	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	21.75	20.43	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	21.79	20.47	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#0	20.77	19.45	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#12	20.74	19.42	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#25	20.68	19.36	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	20.69	19.37	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.35	22.03	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	23.32	22.00	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	23.31	21.99	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#0	22.27	20.95	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#18	22.28	20.96	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#37	22.30	20.98	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.27	20.95	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	23.31	21.99	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	23.37	22.05	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	23.36	22.04	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#0	22.34	21.02	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#18	22.36	21.04	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#37	22.40	21.08	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.38	21.06	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	23.28	21.96	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	23.40	22.08	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	23.37	22.05	33.00	PASS
Band38	15MHz	QPSK	38175	38RB#0	22.43	21.11	33.00	PASS
Band38	15MHz	QPSK	38175	38RB#18	22.44	21.12	33.00	PASS

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Band38	15MHz	QPSK	38175	38RB#37	22.46	21.14	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	22.45	21.13	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.35	21.03	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.32	21.00	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.28	20.96	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#0	21.22	19.90	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#18	21.26	19.94	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#37	21.24	19.92	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.39	20.07	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.27	20.95	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.43	21.11	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	22.45	21.13	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#0	21.34	20.02	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#18	21.37	20.05	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#37	21.37	20.05	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.41	20.09	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.35	21.03	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	22.44	21.12	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.51	21.19	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#0	21.40	20.08	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#18	21.41	20.09	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#37	21.42	20.10	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	21.44	20.12	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	21.58	20.26	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	21.59	20.27	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	21.58	20.26	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#0	20.51	19.19	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#18	20.43	19.11	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#37	20.46	19.14	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	20.47	19.15	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	21.46	20.14	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	21.62	20.30	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	21.68	20.36	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#0	20.68	19.36	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#18	20.64	19.32	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#37	20.57	19.25	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	20.72	19.40	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	21.59	20.27	33.00	PASS

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Band38	15MHz	64QAM	38175	1RB#38	21.66	20.34	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	21.67	20.35	33.00	PASS
Band38	15MHz	64QAM	38175	38RB#0	20.59	19.27	33.00	PASS
Band38	15MHz	64QAM	38175	38RB#18	20.69	19.37	33.00	PASS
Band38	15MHz	64QAM	38175	38RB#37	20.74	19.42	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	20.77	19.45	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	23.27	21.95	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.37	22.05	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	23.36	22.04	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	22.32	21.00	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	22.37	21.05	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#50	22.32	21.00	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	22.29	20.97	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	23.39	22.07	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.34	22.02	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	23.32	22.00	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	22.51	21.19	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#25	22.45	21.13	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	22.42	21.10	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	22.45	21.13	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	23.26	21.94	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.36	22.04	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	23.26	21.94	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	22.50	21.18	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	22.49	21.17	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	22.46	21.14	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	22.43	21.11	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.27	20.95	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.34	21.02	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	22.27	20.95	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	21.32	20.00	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.34	20.02	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	21.33	20.01	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	21.27	19.95	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	22.24	20.92	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	22.41	21.09	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	22.36	21.04	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#0	21.37	20.05	33.00	PASS

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Band38	20MHz	16QAM	38000	50RB#25	21.44	20.12	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	21.42	20.10	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	21.42	20.10	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	22.35	21.03	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	22.42	21.10	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	22.47	21.15	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	21.47	20.15	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	21.51	20.19	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	21.46	20.14	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	21.44	20.12	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	21.50	20.18	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	21.57	20.25	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	21.58	20.26	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#0	20.62	19.30	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#25	20.55	19.23	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#50	20.53	19.21	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	20.53	19.21	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	21.61	20.29	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	21.69	20.37	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	21.57	20.25	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#0	20.76	19.44	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#25	20.77	19.45	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#50	20.58	19.26	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	20.61	19.29	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	21.41	20.09	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#49	21.52	20.20	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	21.52	20.20	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#0	20.76	19.44	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#25	20.79	19.47	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#50	20.67	19.35	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	20.77	19.45	33.00	PASS

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ANT31:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	23.26	20.71	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	23.25	20.70	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	23.26	20.71	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	22.23	19.68	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	22.23	19.68	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	22.21	19.66	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.27	19.72	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	23.21	20.66	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	23.20	20.65	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	23.25	20.70	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	22.24	19.69	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	22.23	19.68	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	22.27	19.72	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	22.21	19.66	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	23.19	20.64	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	23.21	20.66	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	23.23	20.68	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	22.25	19.70	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	22.27	19.72	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	22.31	19.76	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	22.28	19.73	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.23	19.68	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.23	19.68	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.22	19.67	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	21.22	18.67	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	21.16	18.61	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	21.17	18.62	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.31	18.76	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	22.20	19.65	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.25	19.70	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.24	19.69	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#0	21.16	18.61	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	21.19	18.64	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	21.20	18.65	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	21.29	18.74	33.00	PASS

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Band38	5MHz	16QAM	38225	1RB#0	22.27	19.72	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.29	19.74	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.27	19.72	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#0	21.25	18.70	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#6	21.27	18.72	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	21.25	18.70	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	21.27	18.72	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	21.17	18.62	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	21.24	18.69	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	21.16	18.61	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#0	20.26	17.71	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#6	20.25	17.70	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#13	20.21	17.66	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	20.30	17.75	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	21.22	18.67	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	21.27	18.72	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	21.28	18.73	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#0	20.15	17.60	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#6	20.23	17.68	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#13	20.28	17.73	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	20.31	17.76	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	21.10	18.55	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	21.21	18.66	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	21.30	18.75	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#0	20.34	17.79	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#6	20.26	17.71	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#13	20.40	17.85	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	20.22	17.67	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.27	20.72	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.24	20.69	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.25	20.70	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	22.25	19.70	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	22.19	19.64	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#25	22.20	19.65	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.25	19.70	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	23.27	20.72	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	23.19	20.64	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	23.20	20.65	33.00	PASS

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Band38	10MHz	QPSK	38000	25RB#0	22.23	19.68	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	22.21	19.66	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	22.27	19.72	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	22.26	19.71	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	23.13	20.58	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	23.19	20.64	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	23.24	20.69	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	22.31	19.76	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	22.26	19.71	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	22.29	19.74	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	22.31	19.76	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.24	19.69	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.18	19.63	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.17	19.62	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#0	21.29	18.74	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	21.22	18.67	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	21.22	18.67	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	21.22	18.67	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.22	19.67	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.27	19.72	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.24	19.69	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	21.29	18.74	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	21.30	18.75	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	21.28	18.73	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	21.28	18.73	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.20	19.65	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.28	19.73	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.26	19.71	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	21.29	18.74	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	21.24	18.69	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	21.32	18.77	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	21.32	18.77	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	21.20	18.65	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	21.14	18.59	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#49	21.15	18.60	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#0	20.35	17.80	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#12	20.21	17.66	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#25	20.11	17.56	33.00	PASS

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Band38	10MHz	64QAM	37800	50RB#0	20.27	17.72	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	21.34	18.79	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	21.18	18.63	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	21.29	18.74	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#0	20.17	17.62	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#12	20.21	17.66	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#25	20.19	17.64	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	20.16	17.61	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	21.20	18.65	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	21.17	18.62	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	21.19	18.64	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#0	20.39	17.84	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#12	20.30	17.75	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#25	20.24	17.69	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	20.41	17.86	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.24	20.69	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	23.17	20.62	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	23.20	20.65	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#0	22.17	19.62	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#18	22.14	19.59	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#37	22.11	19.56	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.16	19.61	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	23.14	20.59	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	23.18	20.63	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	23.13	20.58	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#0	22.17	19.62	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#18	22.20	19.65	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#37	22.21	19.66	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.24	19.69	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	23.07	20.52	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	23.19	20.64	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	23.19	20.64	33.00	PASS
Band38	15MHz	QPSK	38175	38RB#0	22.21	19.66	33.00	PASS
Band38	15MHz	QPSK	38175	38RB#18	22.22	19.67	33.00	PASS
Band38	15MHz	QPSK	38175	38RB#37	22.21	19.66	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	22.24	19.69	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.21	19.66	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.19	19.64	33.00	PASS

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Band38	15MHz	16QAM	37825	1RB#74	22.13	19.58	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#0	21.16	18.61	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#18	21.14	18.59	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#37	21.11	18.56	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.18	18.63	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.14	19.59	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.24	19.69	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	22.14	19.59	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#0	21.19	18.64	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#18	21.20	18.65	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#37	21.19	18.64	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.22	18.67	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.23	19.68	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	22.26	19.71	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.23	19.68	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#0	21.19	18.64	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#18	21.19	18.64	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#37	21.17	18.62	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	21.24	18.69	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	21.25	18.70	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	21.15	18.60	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	21.30	18.75	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#0	20.19	17.64	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#18	20.09	17.54	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#37	20.17	17.62	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	20.26	17.71	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	21.14	18.59	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	21.12	18.57	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	21.10	18.55	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#0	20.10	17.55	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#18	20.11	17.56	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#37	20.23	17.68	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	20.33	17.78	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	21.19	18.64	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	21.25	18.70	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	21.21	18.66	33.00	PASS
Band38	15MHz	64QAM	38175	38RB#0	20.25	17.70	33.00	PASS
Band38	15MHz	64QAM	38175	38RB#18	20.24	17.69	33.00	PASS

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Band38	15MHz	64QAM	38175	75RB#0	20.19	17.64	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	23.18	20.63	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.22	20.67	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	23.15	20.60	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	22.19	19.64	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	22.16	19.61	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#50	22.14	19.59	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	22.19	19.64	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	23.11	20.56	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.25	20.70	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	23.08	20.53	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	22.19	19.64	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#25	22.27	19.72	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	22.24	19.69	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	22.28	19.73	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	23.03	20.48	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.12	20.57	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	23.04	20.49	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	22.26	19.71	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	22.25	19.70	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	22.23	19.68	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	22.19	19.64	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.15	19.60	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.13	19.58	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	22.09	19.54	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	21.18	18.63	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.18	18.63	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	21.15	18.60	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	21.17	18.62	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	22.04	19.49	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	22.22	19.67	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	22.14	19.59	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#0	21.21	18.66	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	21.26	18.71	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	21.26	18.71	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	21.22	18.67	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	22.18	19.63	33.00	PASS

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Band38	20MHz	16QAM	38150	1RB#99	22.12	19.57	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	21.25	18.70	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	21.29	18.74	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	21.23	18.68	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	21.21	18.66	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	21.10	18.55	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	21.25	18.70	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	21.17	18.62	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#0	20.16	17.61	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#25	20.24	17.69	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#50	20.13	17.58	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	20.20	17.65	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	21.08	18.53	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	21.24	18.69	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	21.08	18.53	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#0	20.14	17.59	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#25	20.25	17.70	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#50	20.17	17.62	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	20.34	17.79	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	21.11	18.56	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#49	21.21	18.66	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	21.03	18.48	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#0	20.36	17.81	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#25	20.29	17.74	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#50	20.25	17.70	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	20.16	17.61	33.00	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]

The conducted Power is measured by Base Station Simulator

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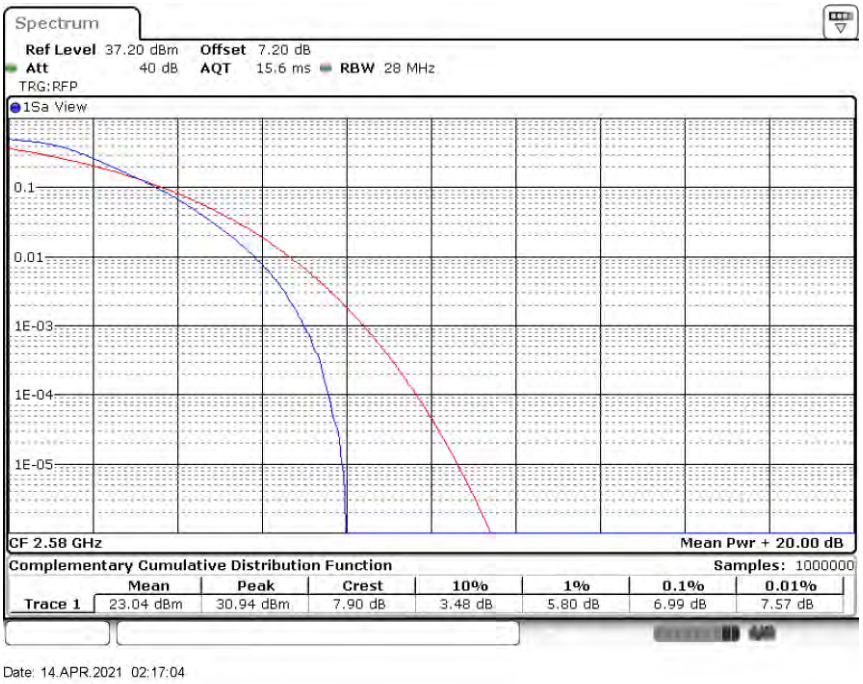
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	6.99	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	8.87	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	8.81	13	PASS
Band38	20MHz	64QAM	37850	100RB#0	7.30	13	PASS
Band38	20MHz	64QAM	38000	100RB#0	9.77	13	PASS
Band38	20MHz	64QAM	38150	100RB#0	10.14	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.86	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.57	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.68	13	PASS

2.2. Test Plots

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



Date: 14.APR.2021 02:17:04

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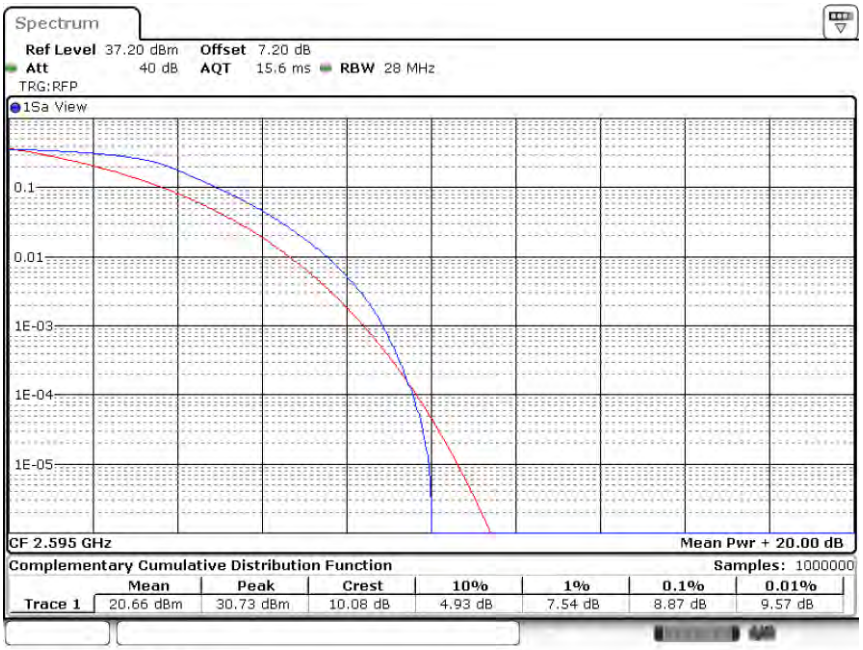
Band38-20MHz-QPSK-38000-100RB#0



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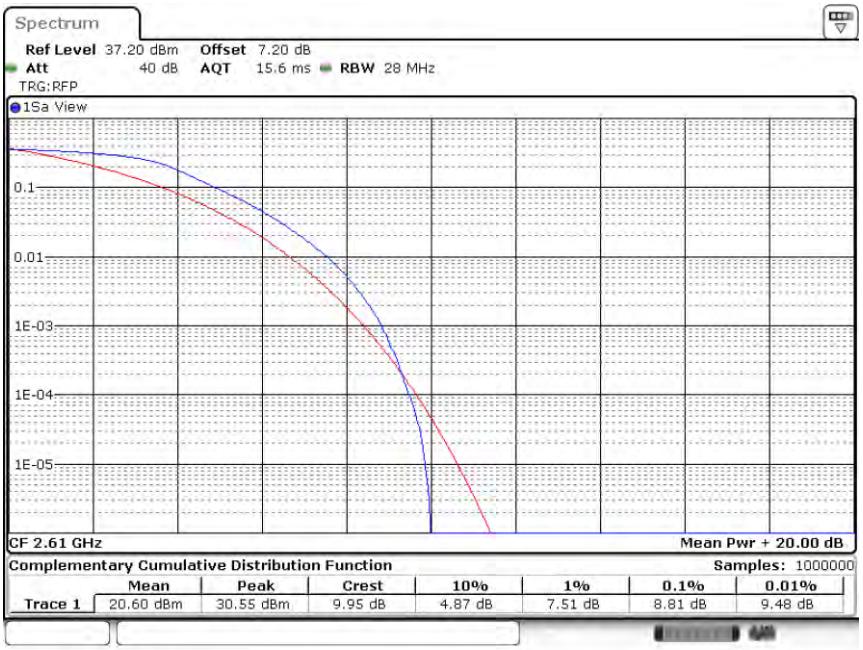
Band38-20MHz-QPSK-38150-100RB#0



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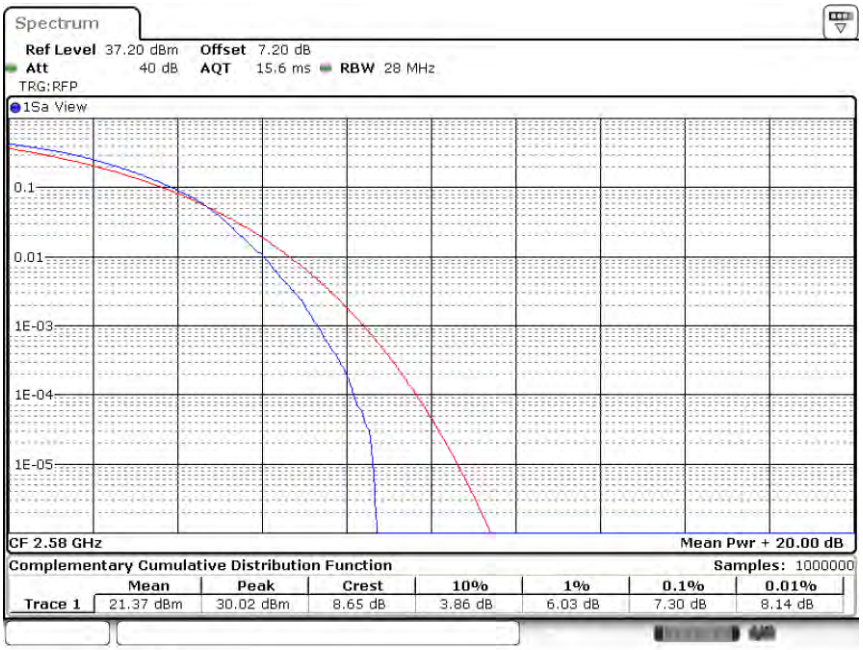
Band38-20MHz-64QAM-37850-100RB#0



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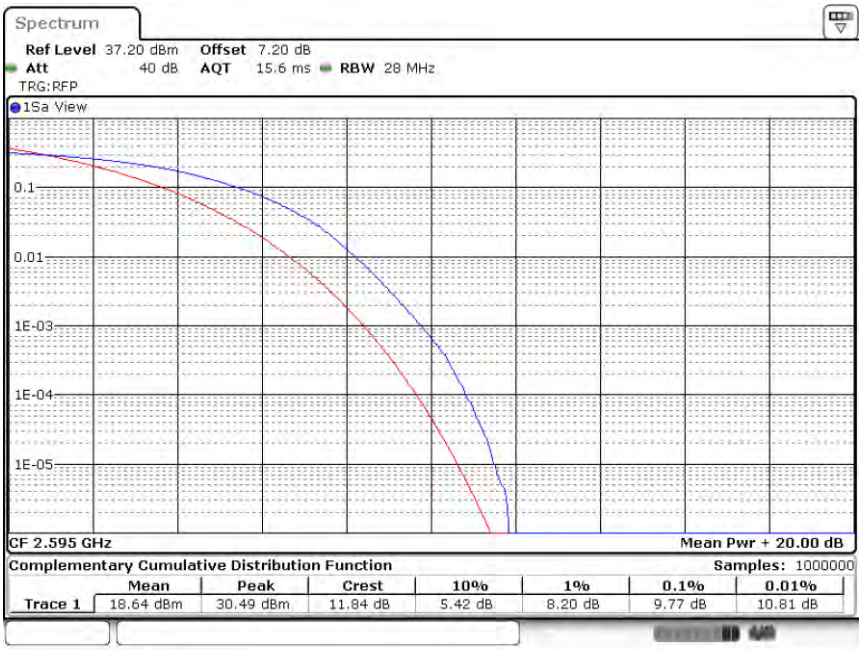
Band38-20MHz-64QAM-38000-100RB#0



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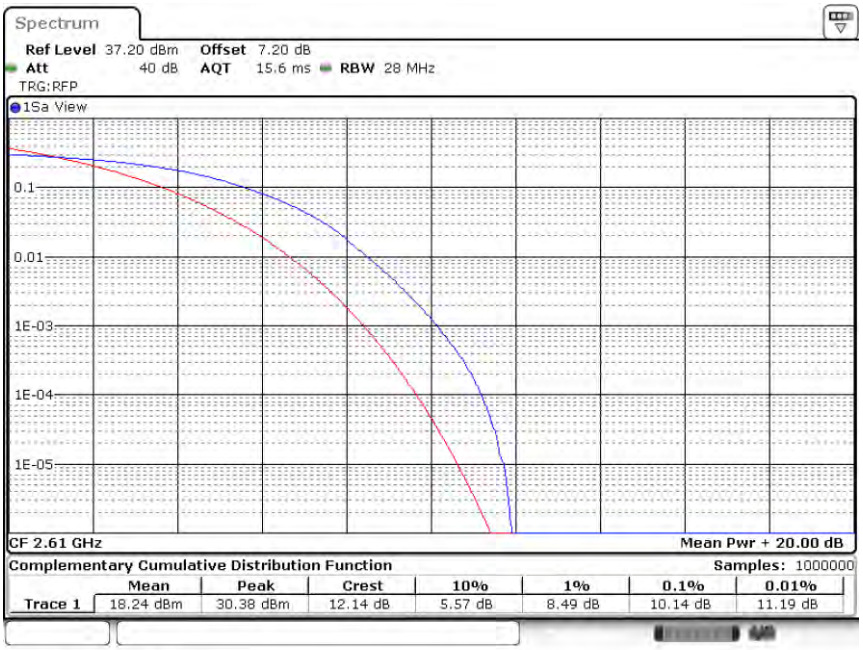
Band38-20MHz-64QAM-38150-100RB#0



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

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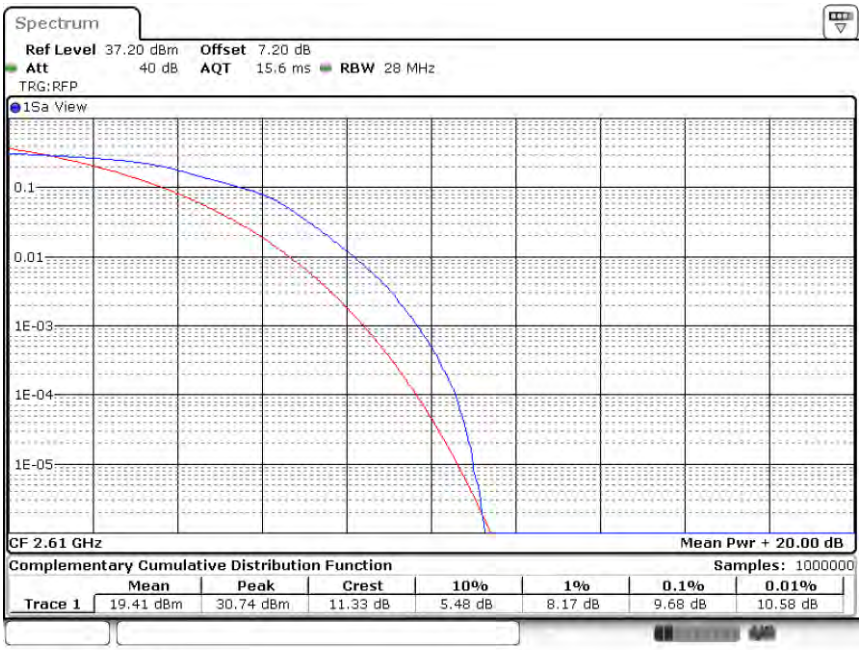
Band38-20MHz-16QAM-38000-100RB#0

Date: 14.APR.2021 02:17:39

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



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Remark: all modulation and all Bandwidth had been tested, but only the worst configuration was displayed in this report.

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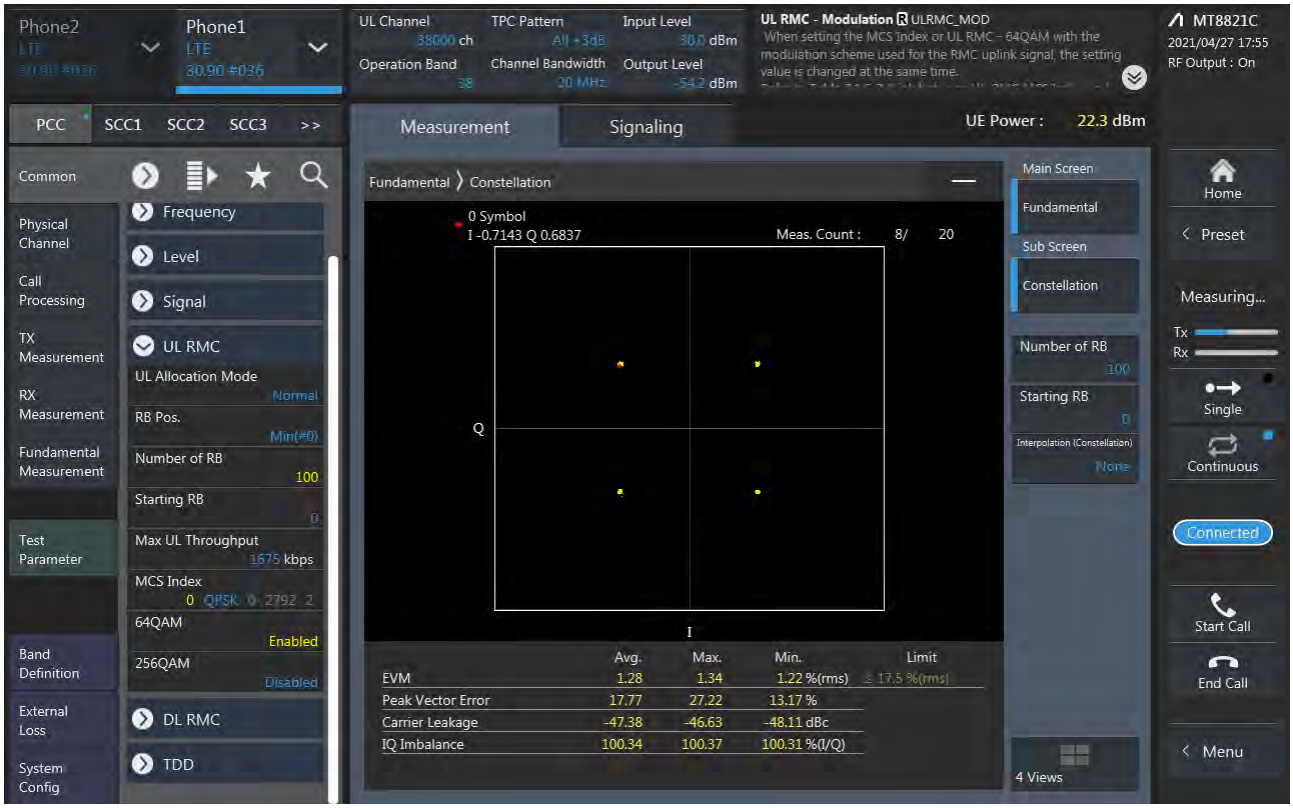
3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH



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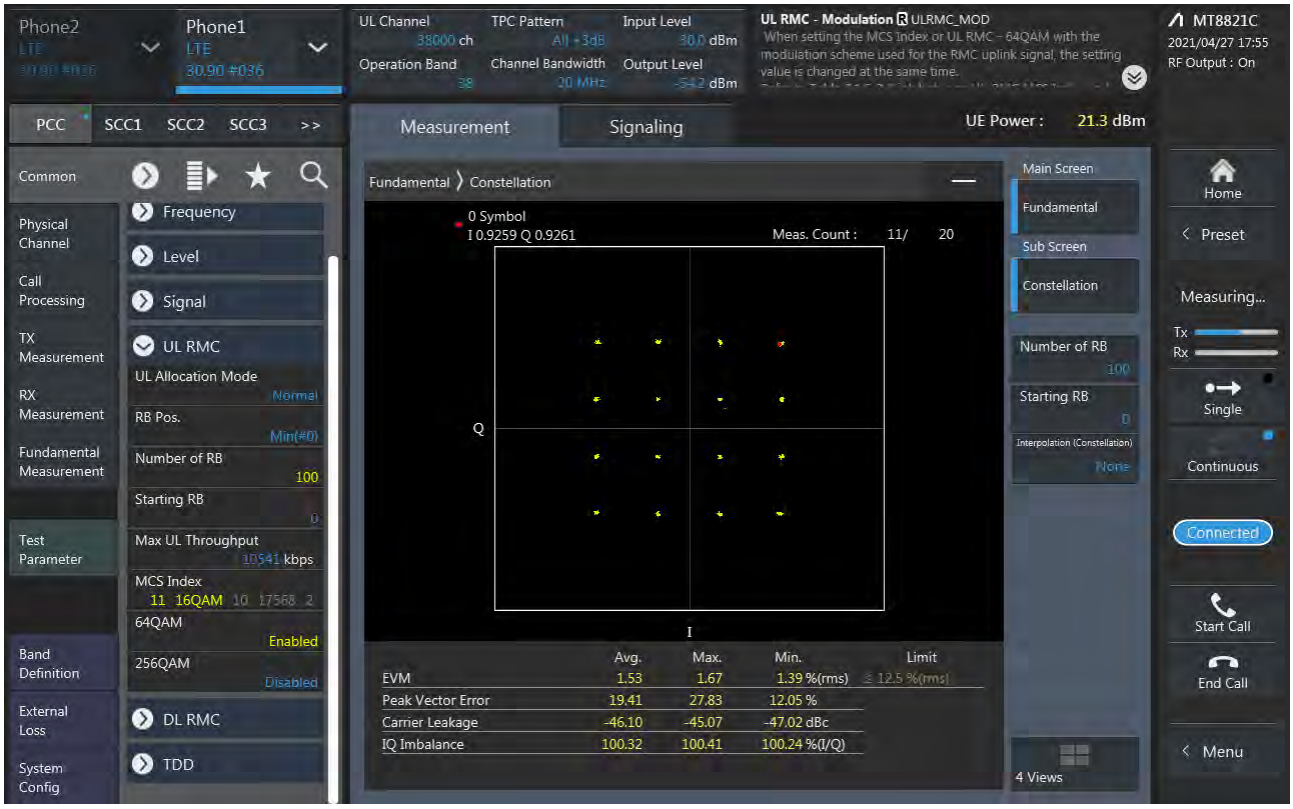
3.2. Test Mode = LTE /TM2 20MHz

3.2.1.Test Channel = MCH



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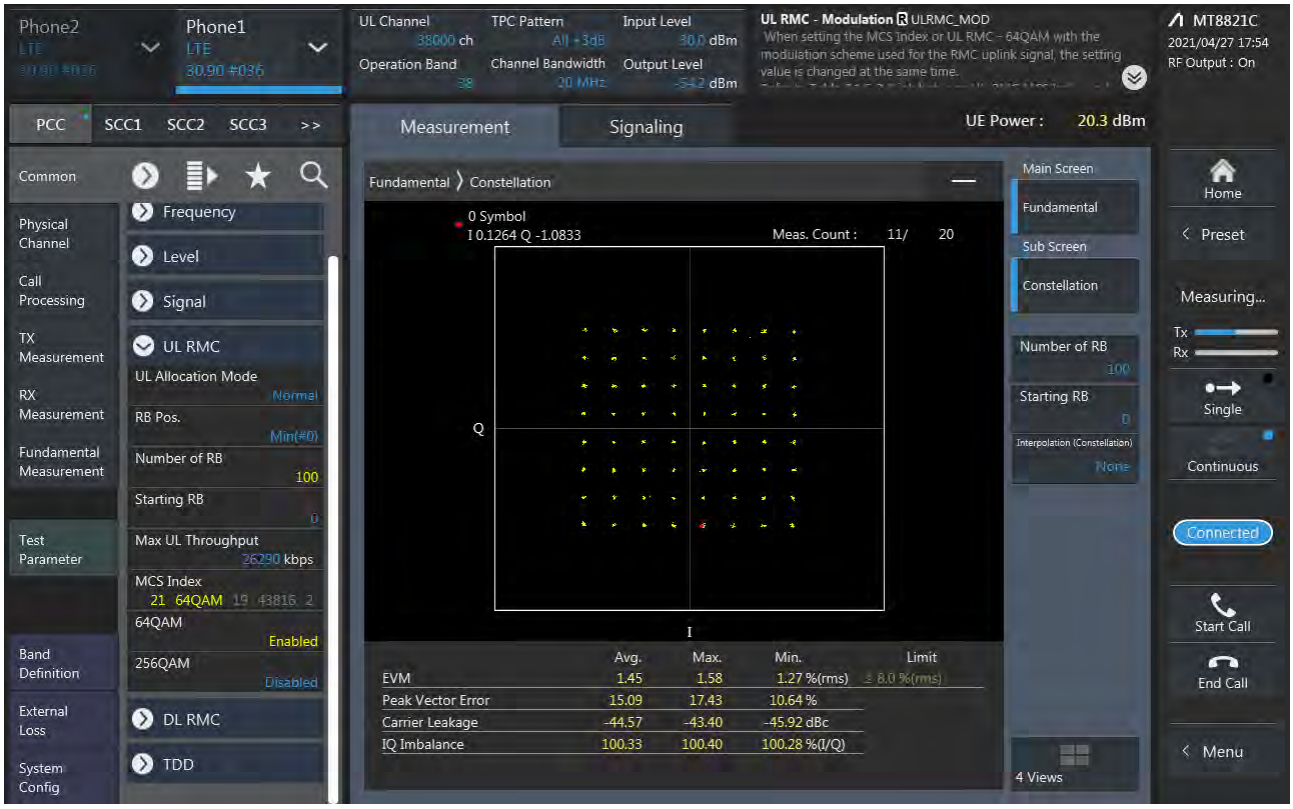
3.3. Test Mode = LTE /TM3 20MHz

3.3.1.Test Channel = MCH



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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.496	6.280	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.496	5.980	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.496	6.440	PASS
Band38	5MHz	64QAM	37775	25RB#0	4.725	6.430	PASS
Band38	5MHz	64QAM	38000	25RB#0	4.735	6.870	PASS
Band38	5MHz	64QAM	38225	25RB#0	4.745	6.920	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.505	5.540	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.505	6.250	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.496	6.140	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.931	11.840	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.931	11.940	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.931	11.860	PASS
Band38	10MHz	64QAM	37800	50RB#0	8.991	12.320	PASS
Band38	10MHz	64QAM	38000	50RB#0	8.991	12.240	PASS
Band38	10MHz	64QAM	38200	50RB#0	8.971	12.240	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.951	11.300	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.951	10.860	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.951	11.100	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.516	20.160	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.546	20.430	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.546	20.910	PASS
Band38	15MHz	64QAM	37825	75RB#0	13.546	24.780	PASS
Band38	15MHz	64QAM	38000	75RB#0	13.576	24.690	PASS
Band38	15MHz	64QAM	38175	75RB#0	13.576	24.510	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.516	20.970	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.516	20.850	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.546	20.850	PASS
Band38	20MHz	QPSK	37850	100RB#0	18.062	26.600	PASS
Band38	20MHz	QPSK	38000	100RB#0	18.062	25.200	PASS
Band38	20MHz	QPSK	38150	100RB#0	18.062	25.480	PASS
Band38	20MHz	64QAM	37850	100RB#0	18.262	26.440	PASS

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Band38	20MHz	64QAM	38000	100RB#0	18.302	28.320	PASS
Band38	20MHz	64QAM	38150	100RB#0	18.222	28.680	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.982	29.480	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.982	28.440	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.982	28.160	PASS

4.2. Test Plots

Band38-5MHz-QPSK-37775-25RB#0-4.496

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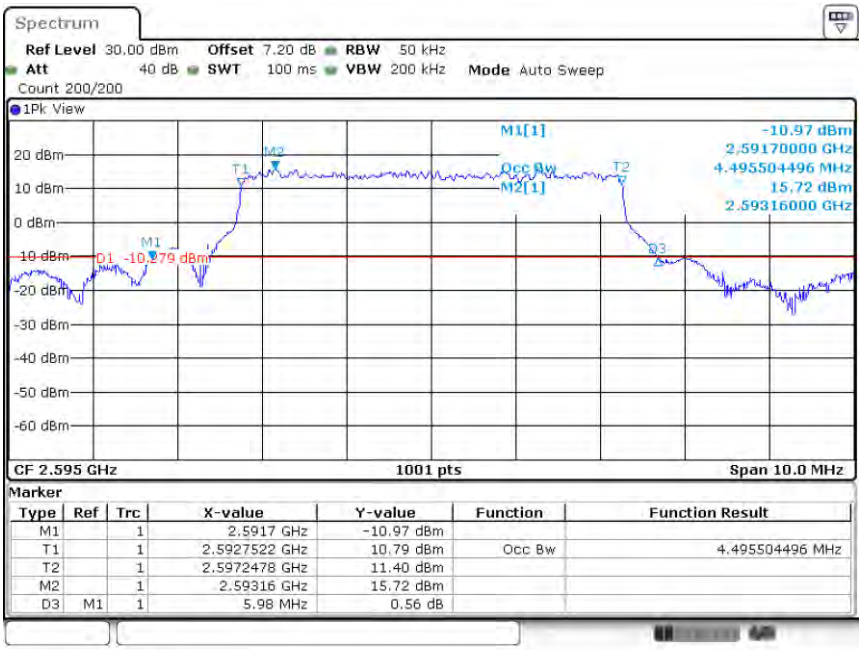
Band38-5MHz-QPSK-38000-25RB#0-4.496



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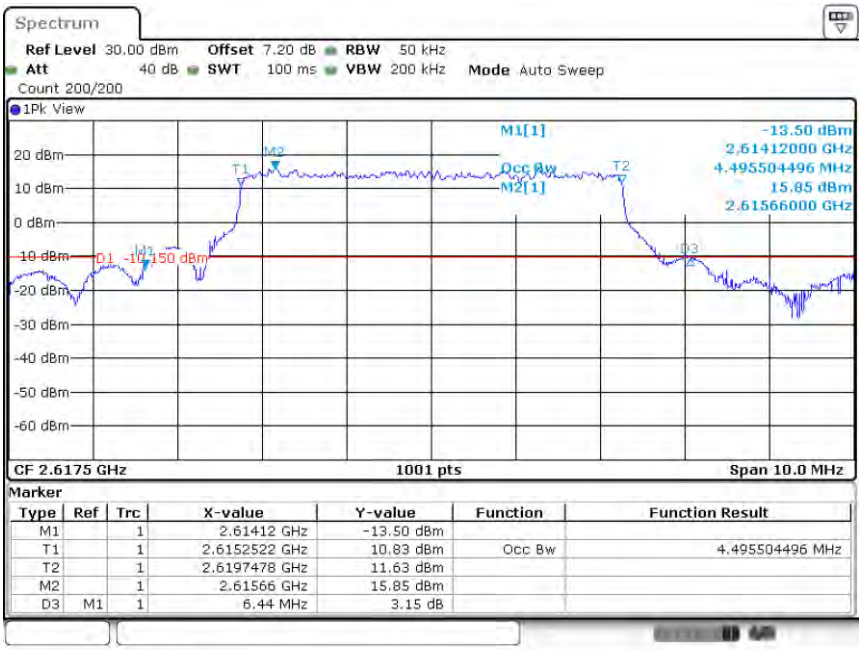
Band38-5MHz-QPSK-38225-25RB#0-4.496



Date: 30.MAR.2021 09:51:10

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Band38-5MHz-64QAM-37775-25RB#0-4.725

Date: 30.MAR.2021 10:21:35

Band38-5MHz-64QAM-38000-25RB#0-4.735

Date: 30.MAR.2021 10:24:23

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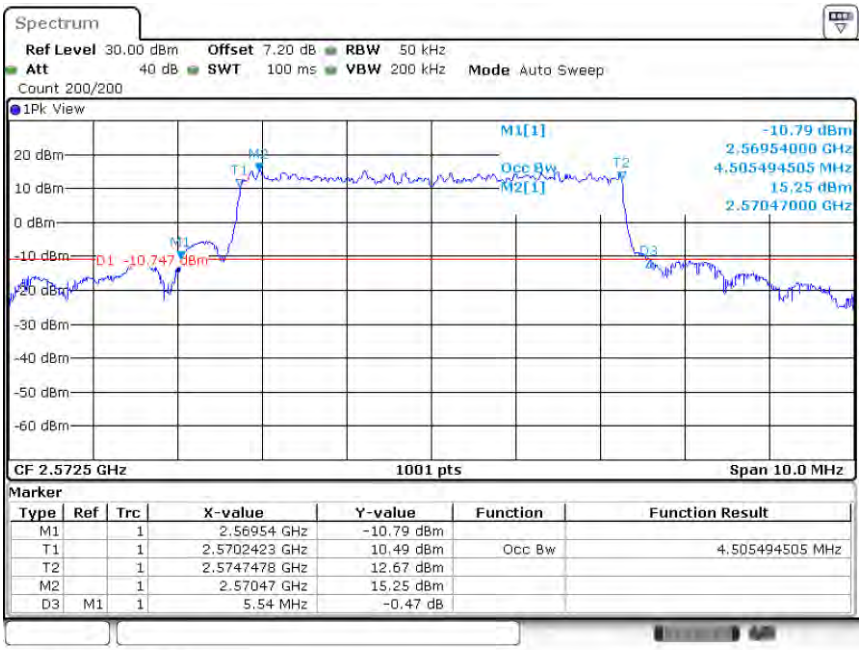
Band38-5MHz-64QAM-38225-25RB#0-4.745

Date: 30.MAR.2021 10:25:20

Band38-5MHz-16QAM-37775-25RB#0-4.505



Date: 30.MAR.2021 09:47:49

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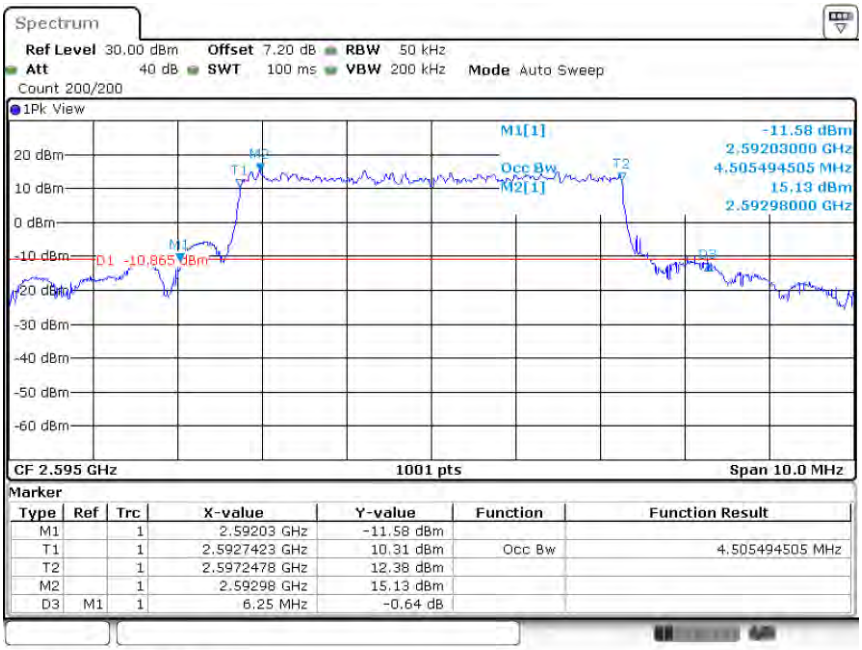
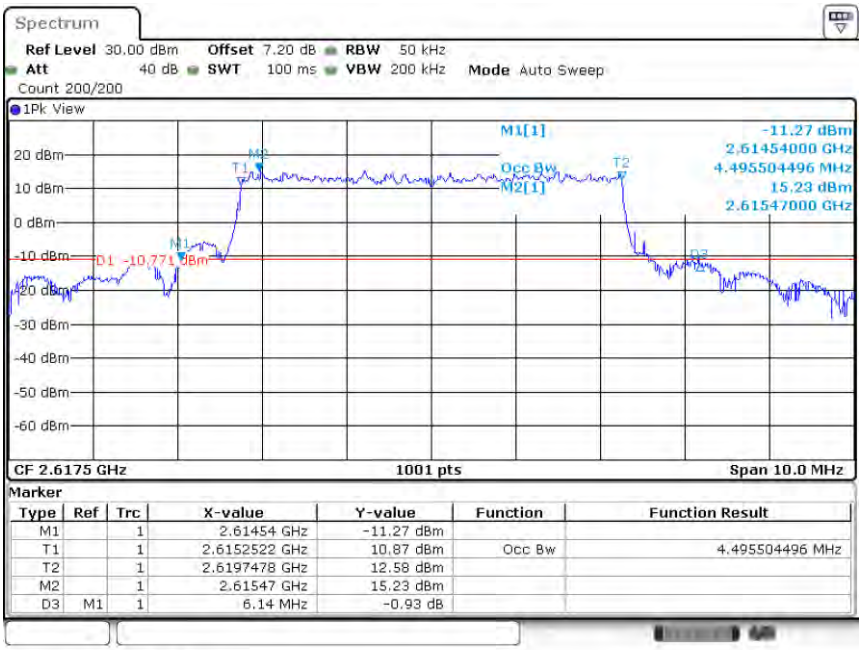
Band38-5MHz-16QAM-38000-25RB#0-4.505



Date: 30.MAR.2021 09:49:48

Band38-5MHz-16QAM-38225-25RB#0-4.496



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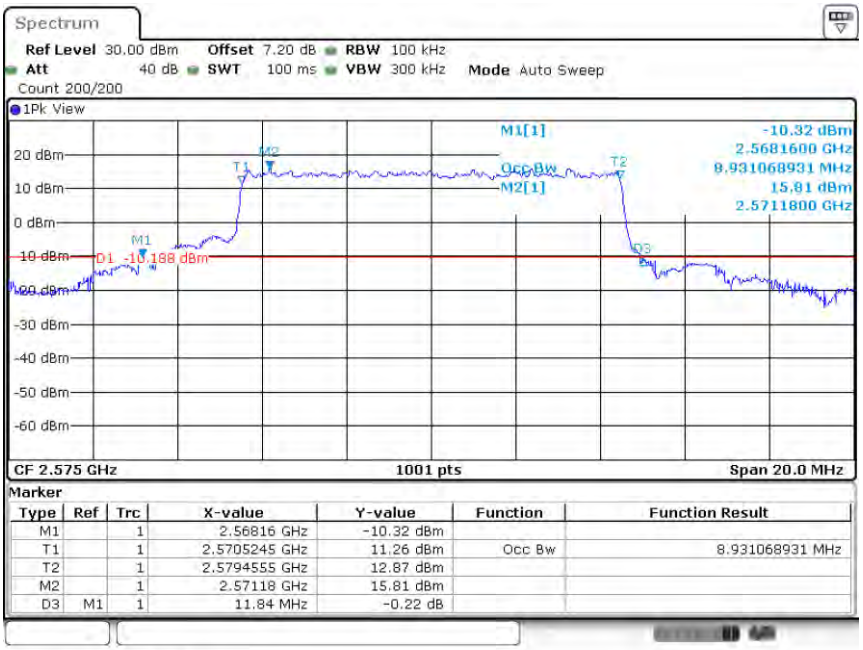
Band38-10MHz-QPSK-37800-50RB#0-8.931



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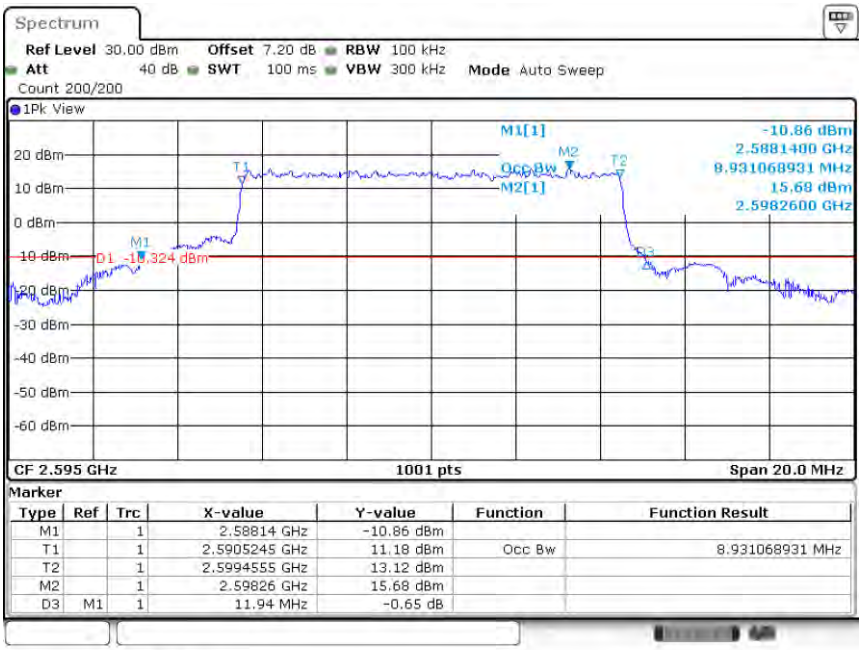
Band38-10MHz-QPSK-38000-50RB#0-8.931



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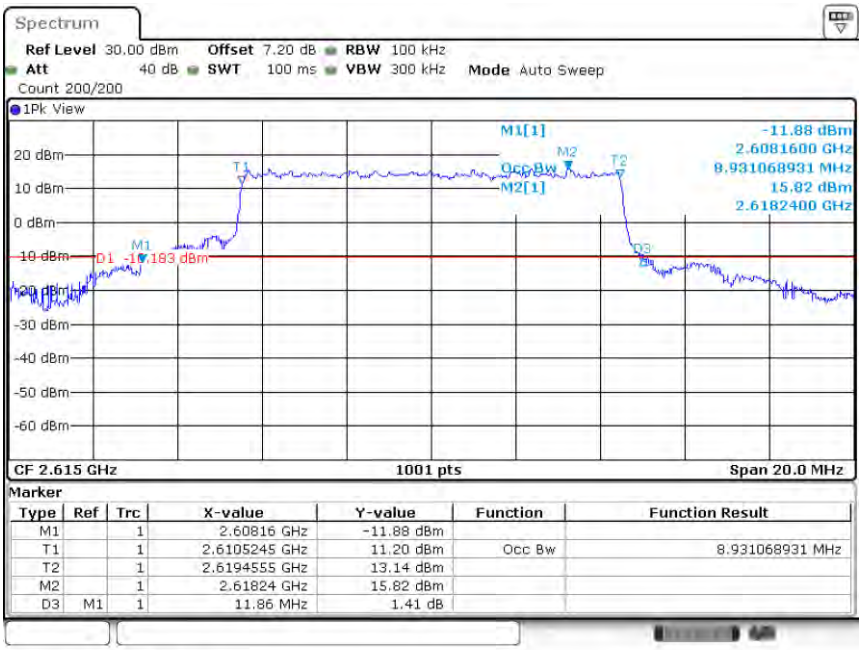
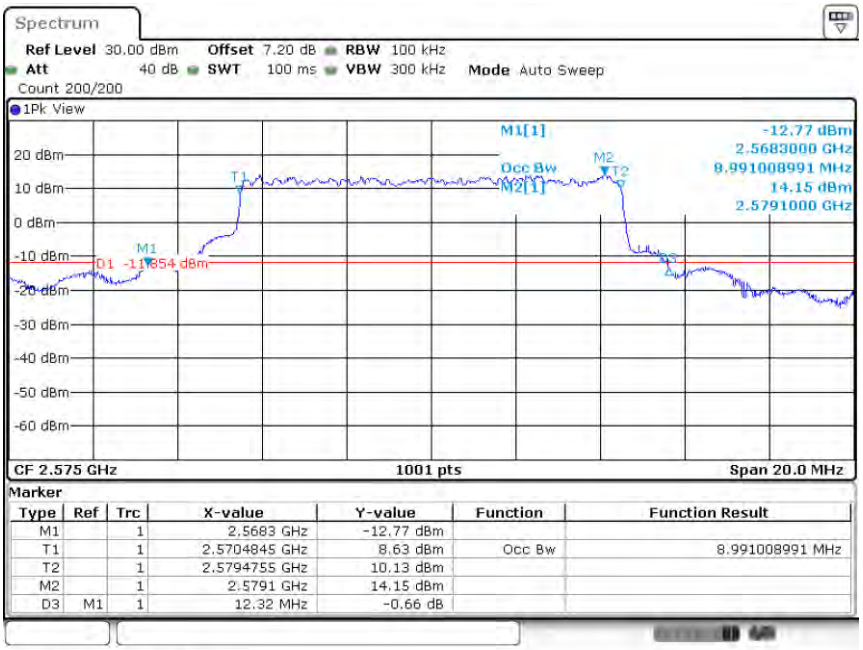
Band38-10MHz-QPSK-38200-50RB#0-8.931



Date: 30.MAR.2021 09:56:38

Band38-10MHz-64QAM-37800-50RB#0-8.991



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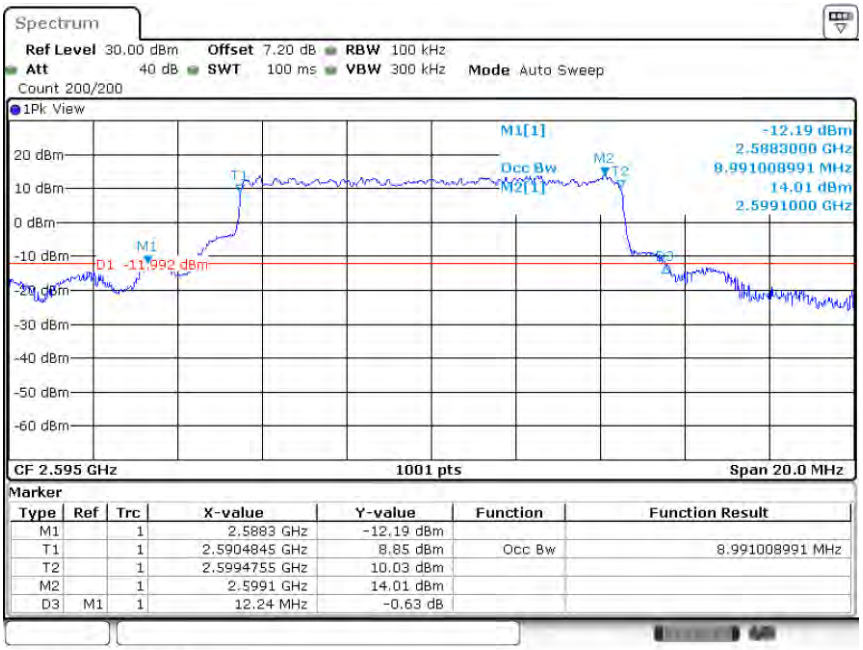
Band38-10MHz-64QAM-38000-50RB#0-8.991



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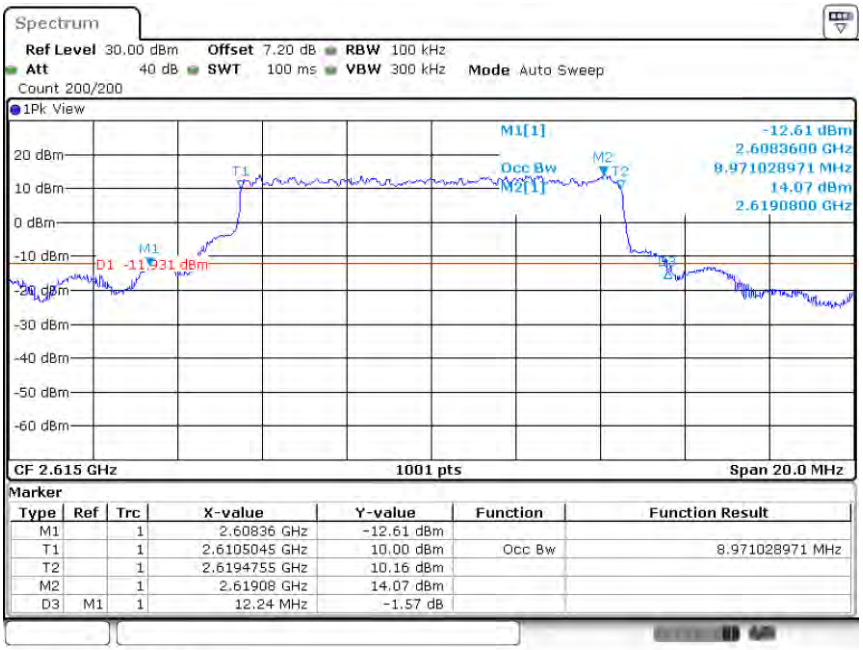

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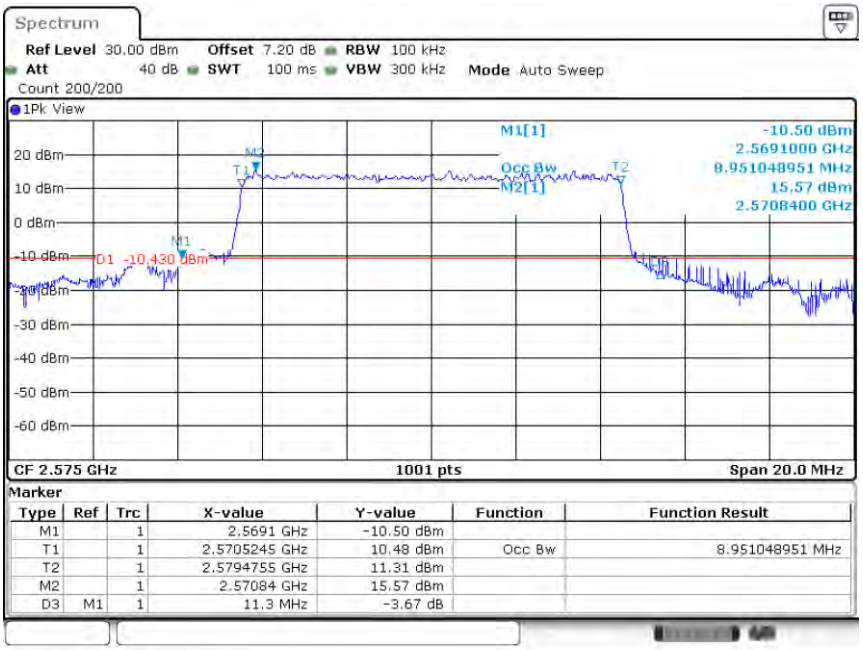
Band38-10MHz-16QAM-37800-50RB#0-8.951



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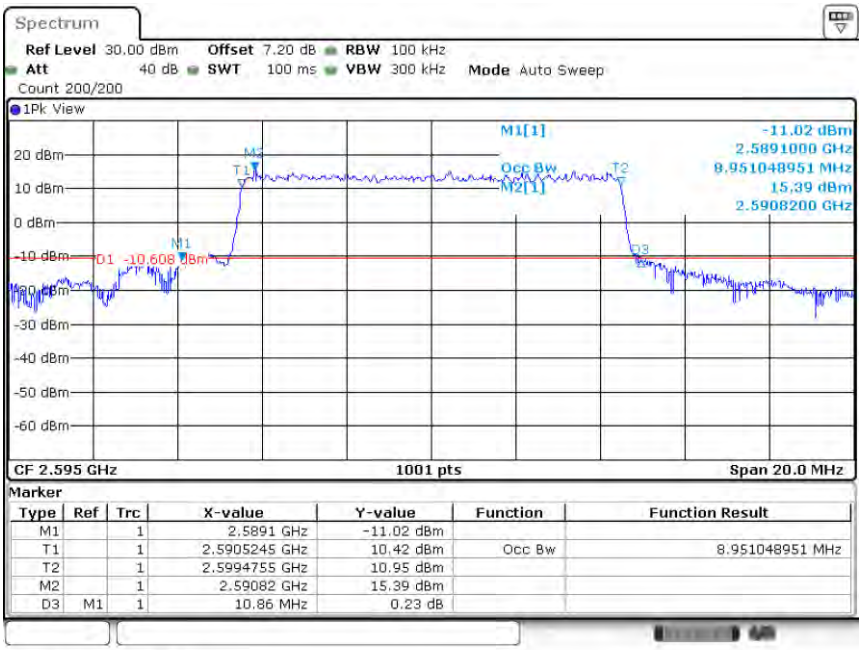
Band38-10MHz-16QAM-38000-50RB#0-8.951



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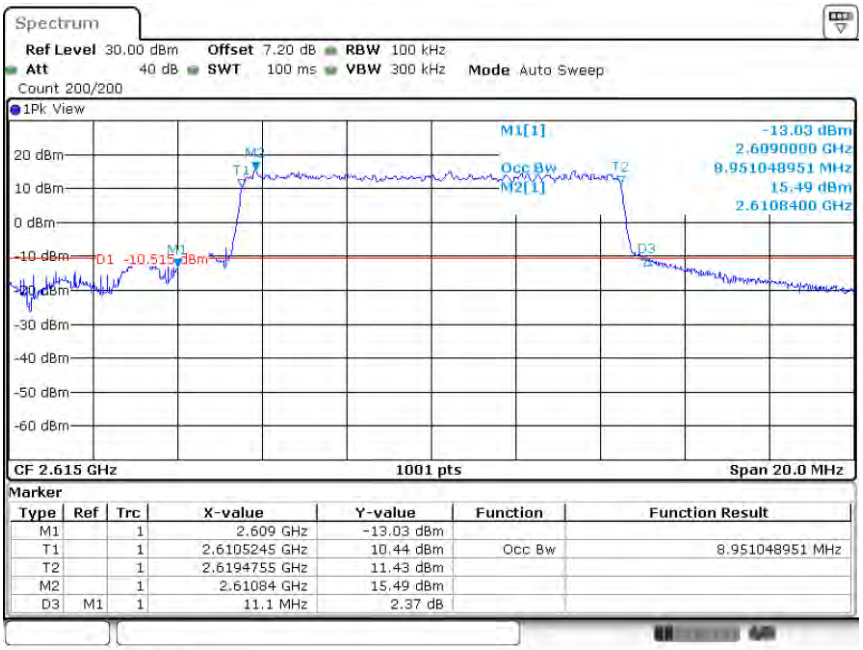
Band38-10MHz-16QAM-38200-50RB#0-8.951

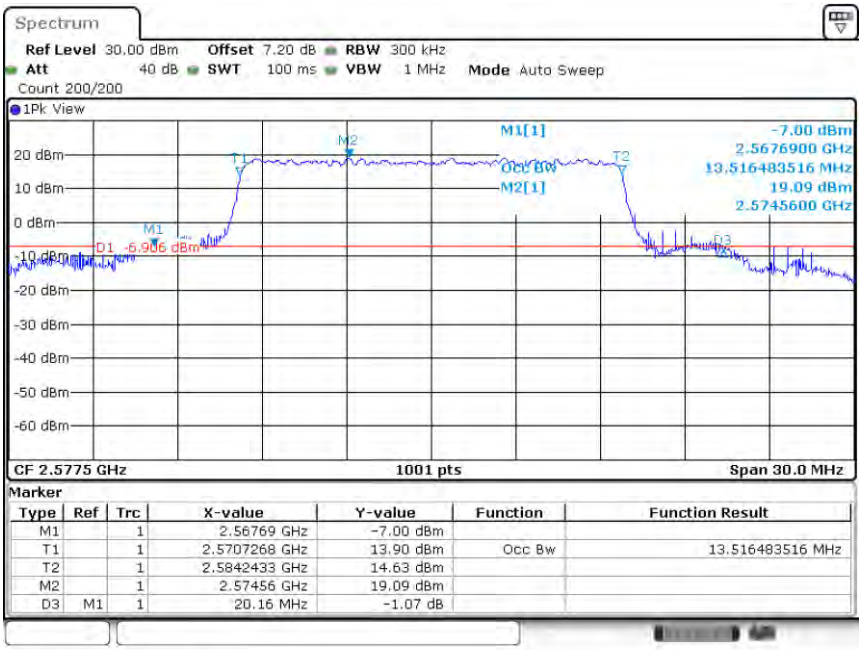


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.609 GHz	-13.03 dBm		
T1		1	2.6105245 GHz	10.44 dBm	Occ Bw	8.951048951 MHz
T2		1	2.6194755 GHz	11.43 dBm		
M2		1	2.61084 GHz	15.49 dBm		
D3	M1	1	11.1 MHz	2.37 dB		

Date: 30.MAR.2021 09:57:42

Band38-15MHz-QPSK-37825-75RB#0-13.516



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.56769 GHz	-7.00 dBm		
T1		1	2.5707268 GHz	13.90 dBm	Occ Bw	13.516483516 MHz
T2		1	2.5842433 GHz	14.63 dBm		
M2		1	2.57456 GHz	19.09 dBm		
D3	M1	1	20.16 MHz	-1.07 dB		

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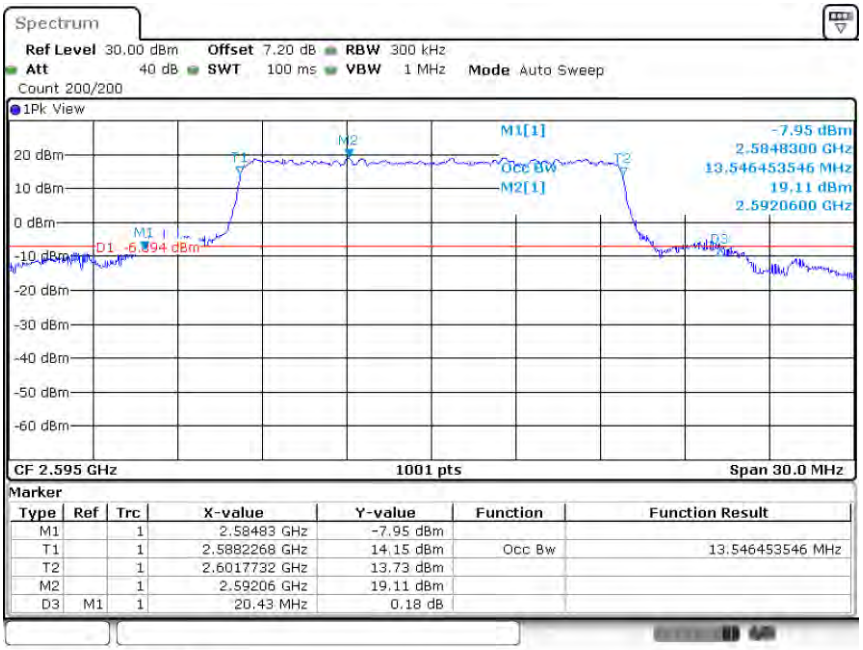
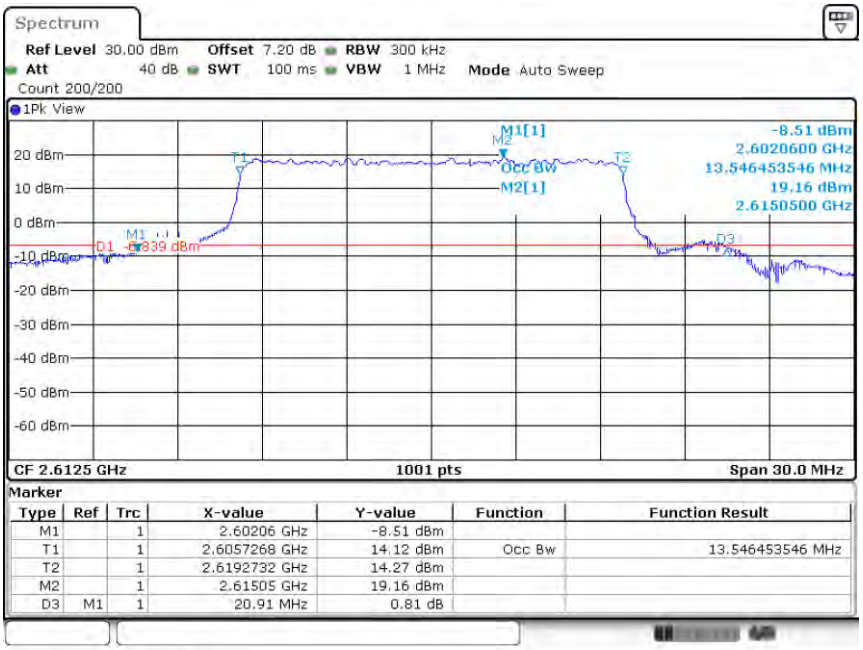
Band38-15MHz-QPSK-38000-75RB#0-13.546



Date: 30.MAR.2021 10:02:19

Band38-15MHz-QPSK-38175-75RB#0-13.546



Date: 30.MAR.2021 10:04:25

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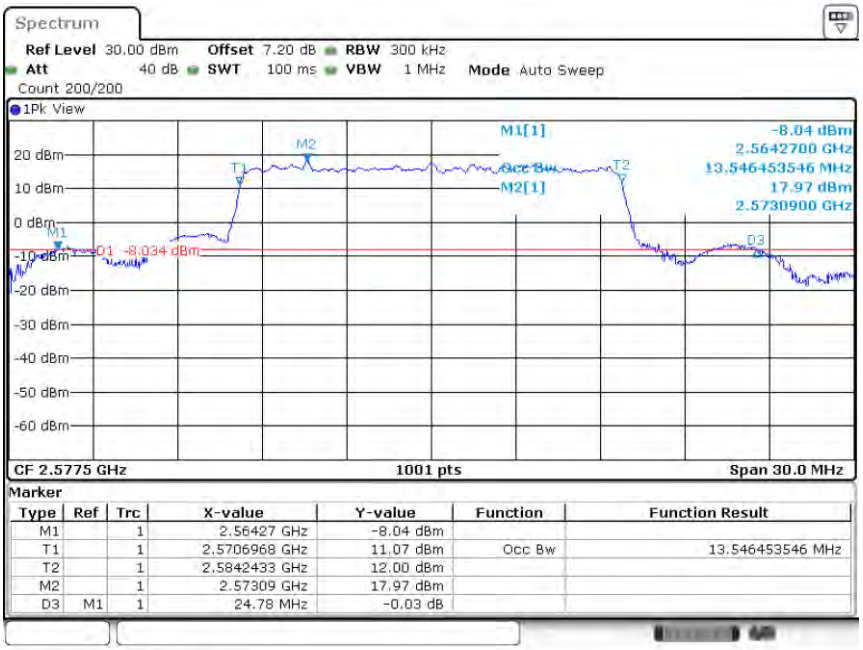
Band38-15MHz-64QAM-37825-75RB#0-13.546

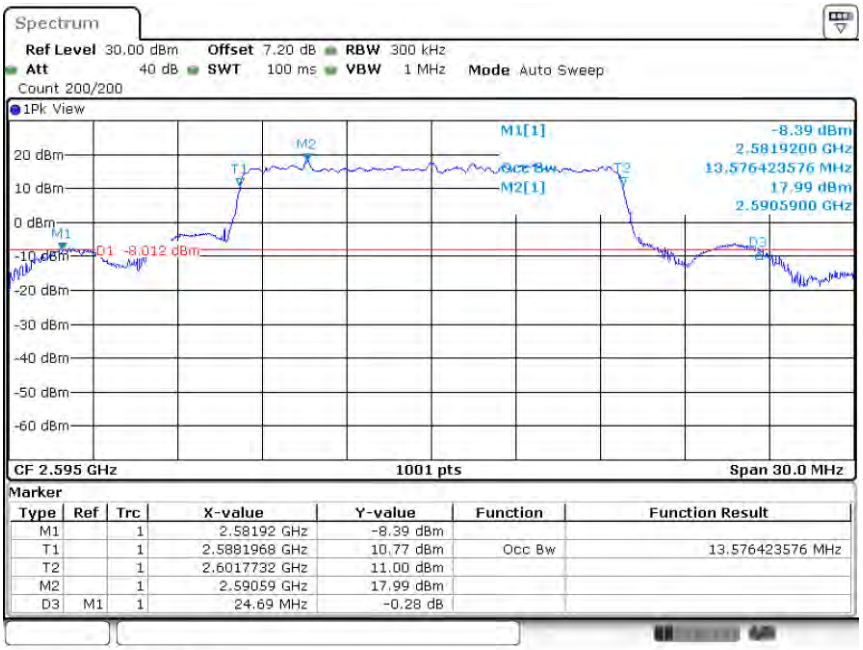


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.56427 GHz	-8.04 dBm		
T1		1	2.5706968 GHz	11.07 dBm	Occ Bw	13.546453546 MHz
T2		1	2.5842433 GHz	12.00 dBm		
M2		1	2.57309 GHz	17.97 dBm		
D3	M1	1	24.78 MHz	-0.03 dB		

Date: 30.MAR.2021 10:30:44

Band38-15MHz-64QAM-38000-75RB#0-13.576



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.58192 GHz	-8.39 dBm		
T1		1	2.5881968 GHz	10.77 dBm	Occ Bw	13.576423576 MHz
T2		1	2.6017732 GHz	11.00 dBm		
M2		1	2.59059 GHz	17.99 dBm		
D3	M1	1	24.69 MHz	-0.28 dB		

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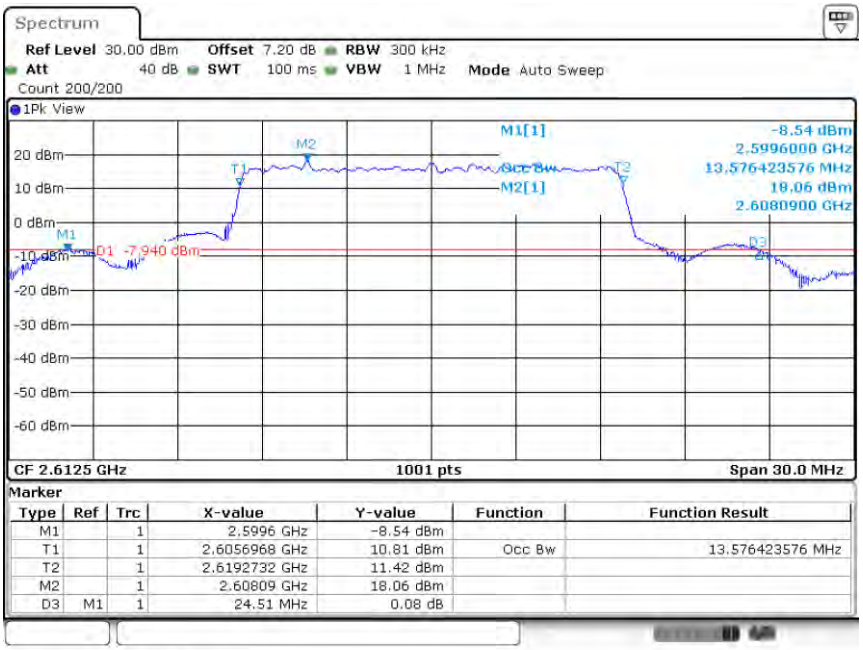
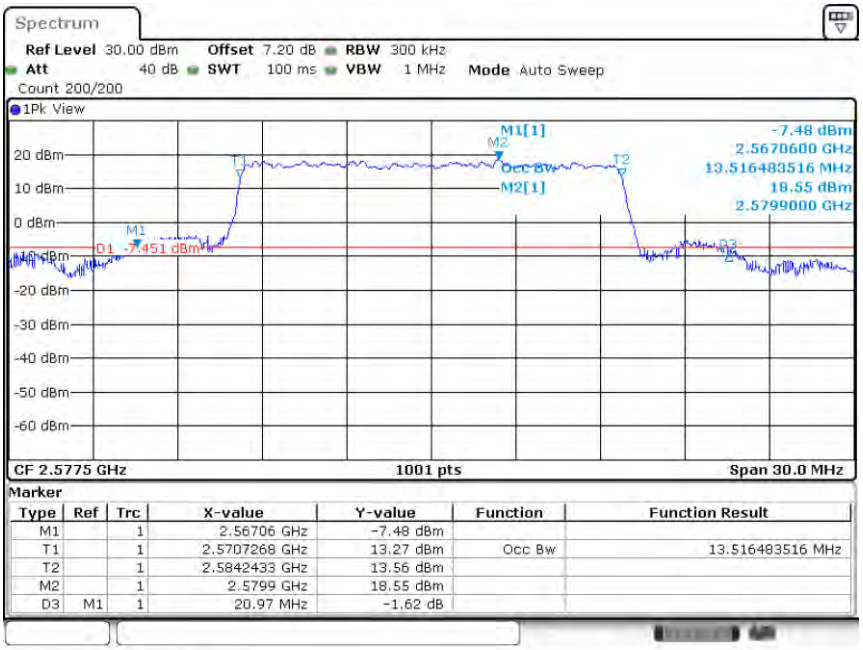
Band38-15MHz-64QAM-38175-75RB#0-13.576



Date: 30.MAR.2021 10:34:19

Band38-15MHz-16QAM-37825-75RB#0-13.516



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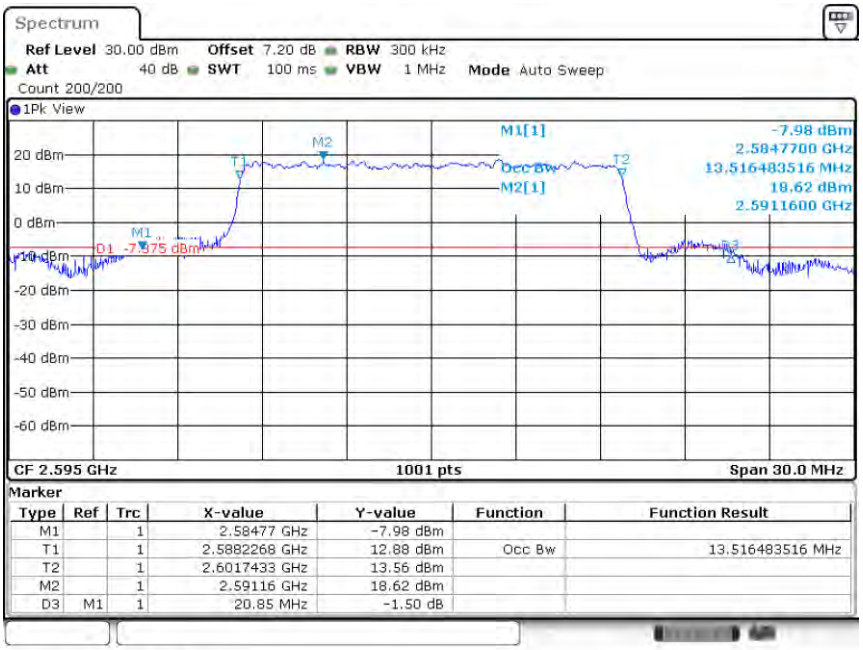
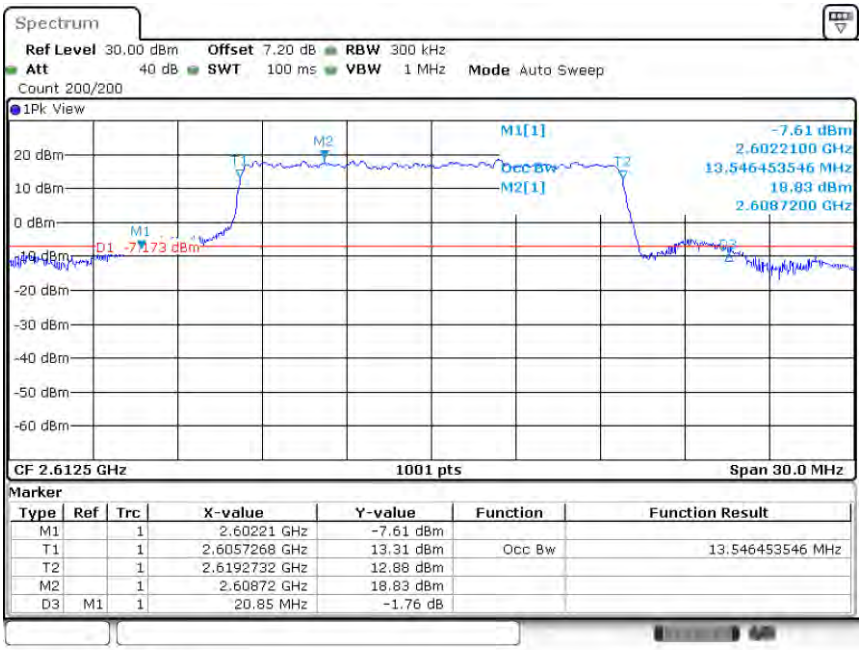


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.58477 GHz	-7.98 dBm		
T1		1	2.5882268 GHz	12.88 dBm	Occ Bw	13.516483516 MHz
T2		1	2.6017433 GHz	13.56 dBm		
M2		1	2.59116 GHz	18.62 dBm		
D3	M1	1	20.85 MHz	-1.50 dB		

Date: 30.MAR.2021 10:03:17

Band38-15MHz-16QAM-38175-75RB#0-13.546



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.60221 GHz	-7.61 dBm		
T1		1	2.6057268 GHz	13.31 dBm	Occ Bw	13.546453546 MHz
T2		1	2.6192732 GHz	12.88 dBm		
M2		1	2.60872 GHz	18.83 dBm		
D3	M1	1	20.85 MHz	-1.76 dB		

Date: 30.MAR.2021 10:05:31

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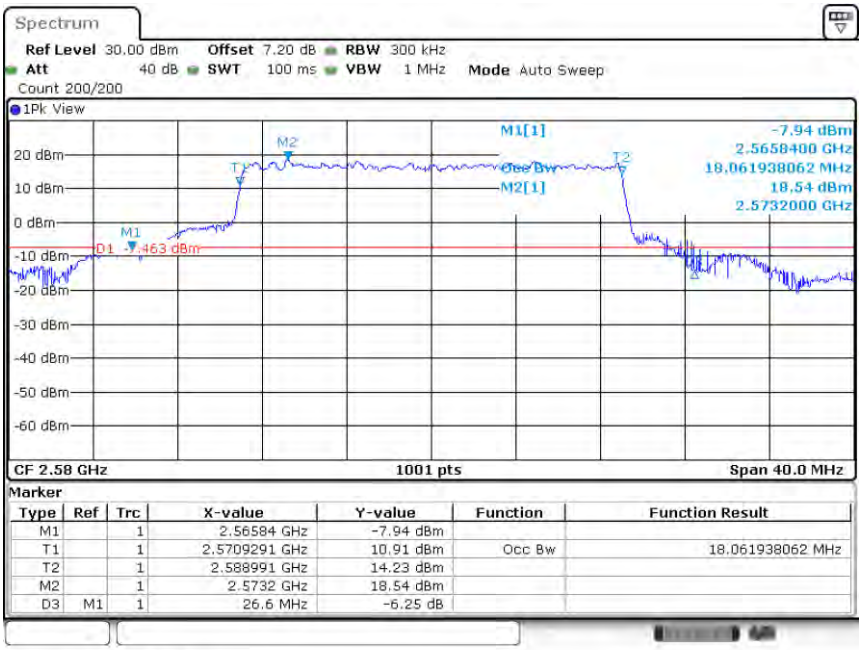
Band38-20MHz-QPSK-37850-100RB#0-18.062



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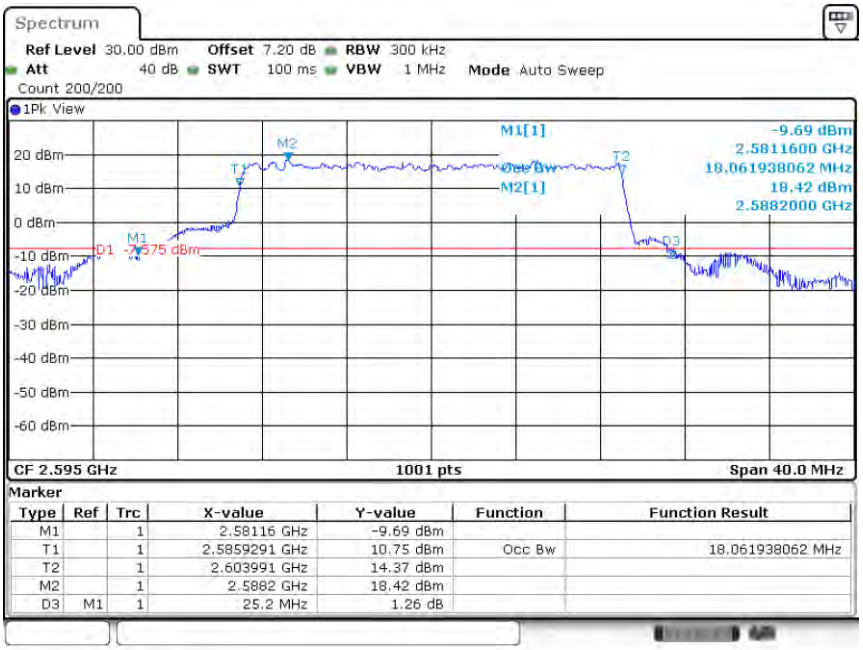
Band38-20MHz-QPSK-38000-100RB#0-18.062



Date: 30.MAR.2021 10:10:04

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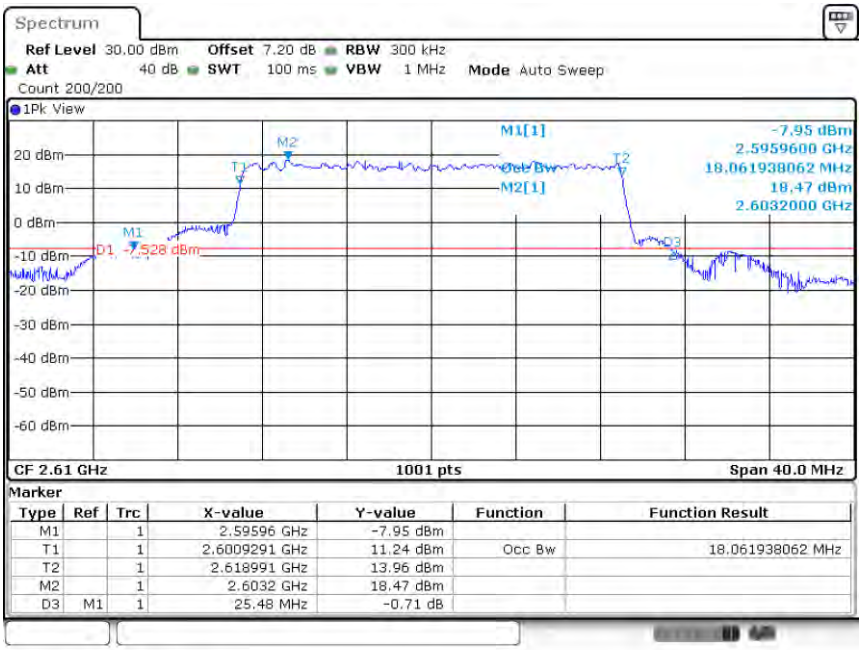
Band38-20MHz-QPSK-38150-100RB#0-18.062



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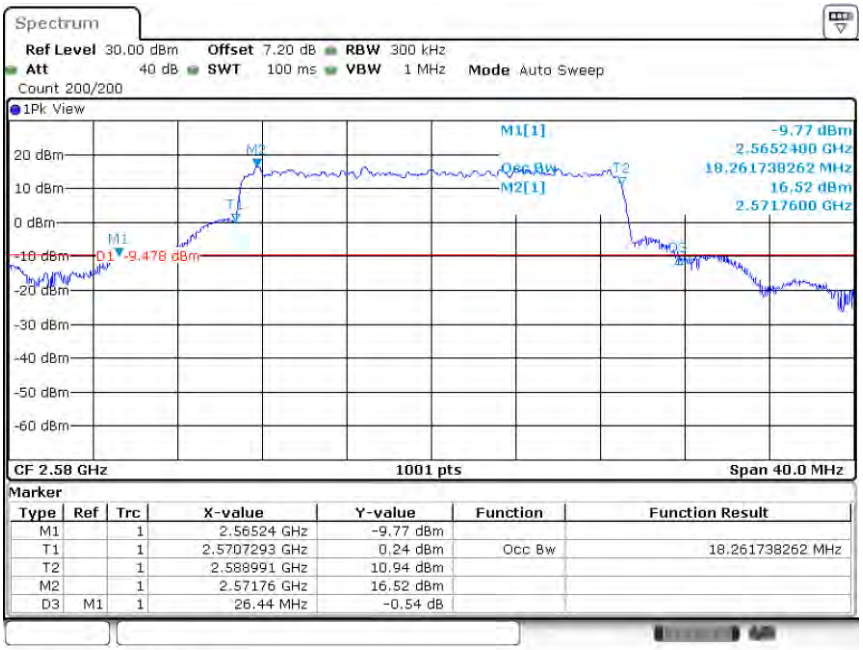

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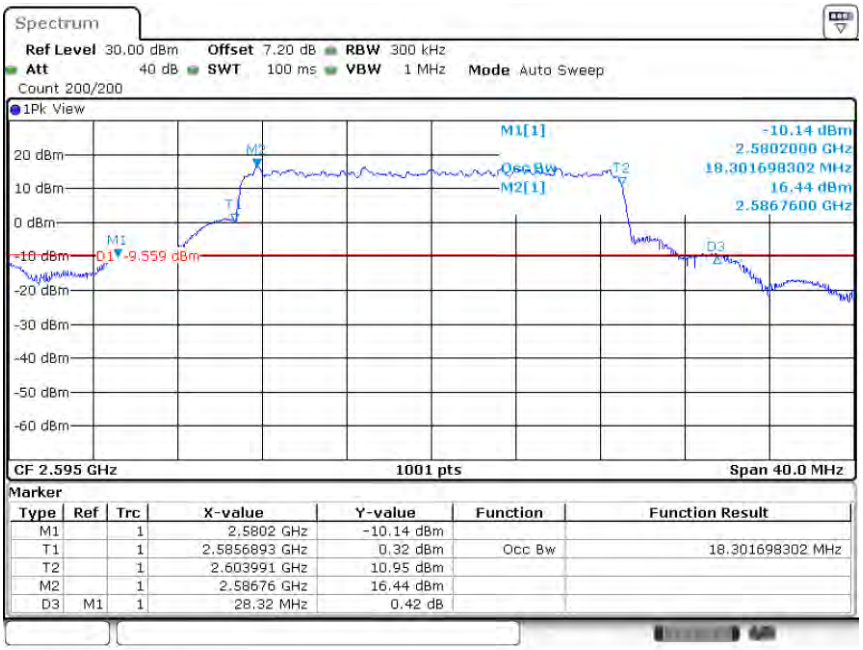

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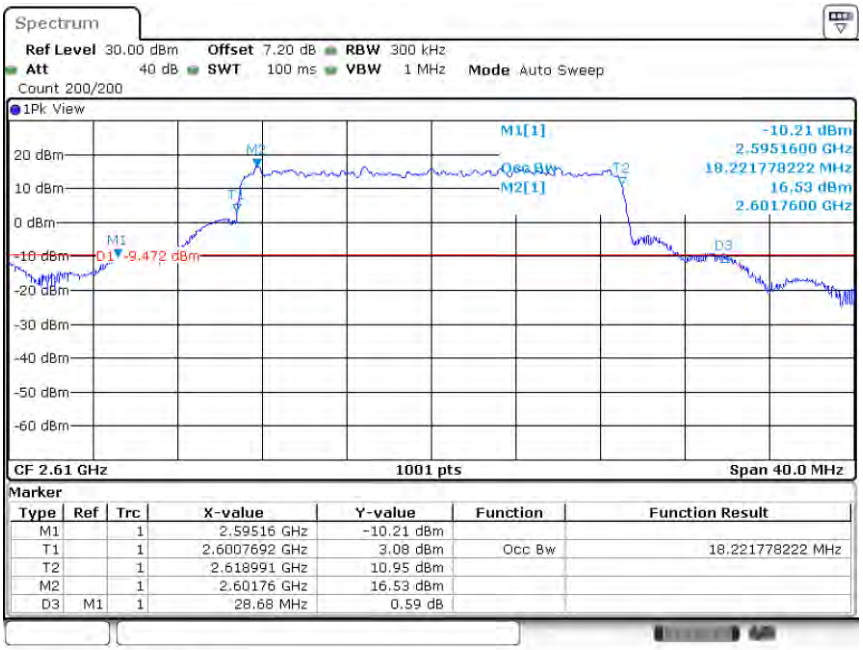
Band38-20MHz-64QAM-38150-100RB#0-18.222



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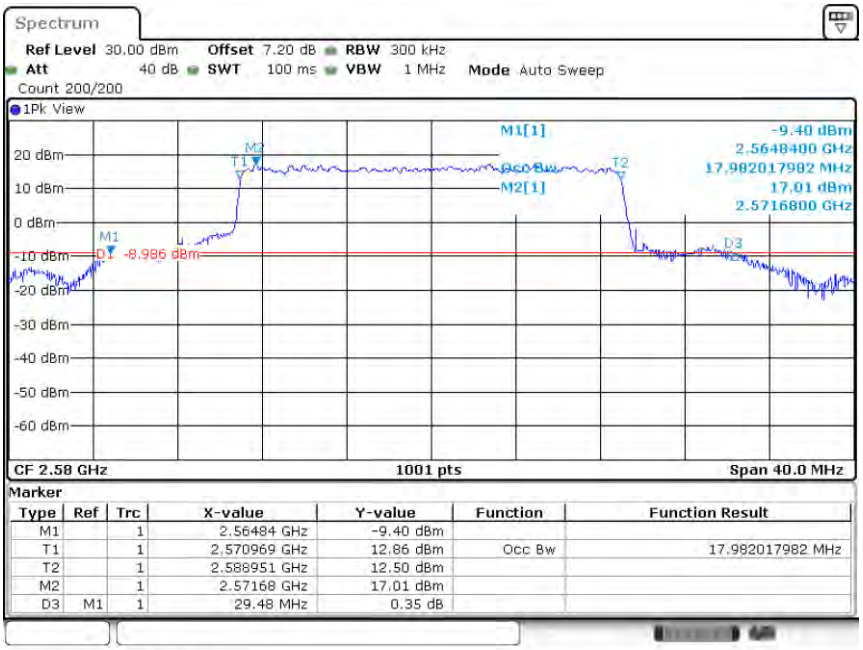

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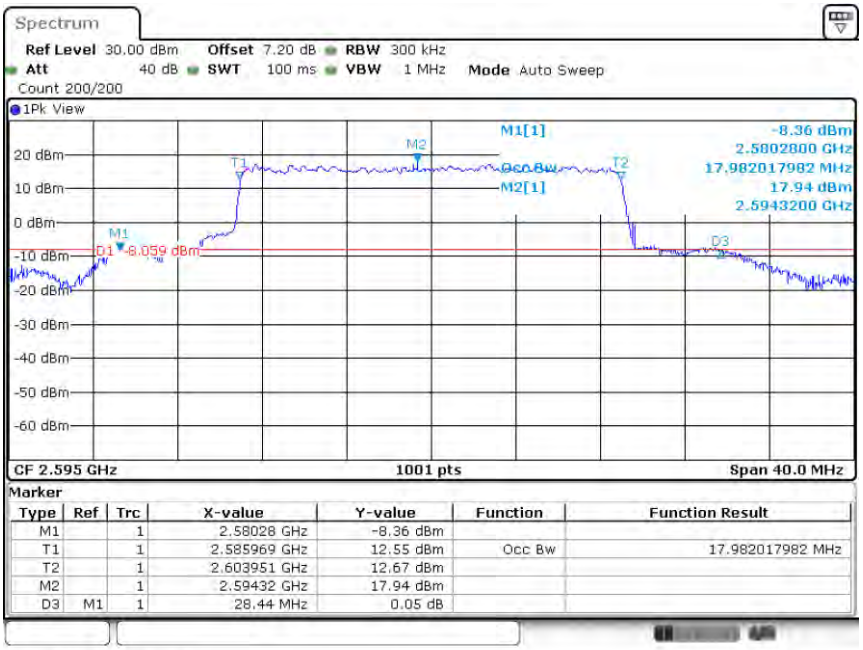

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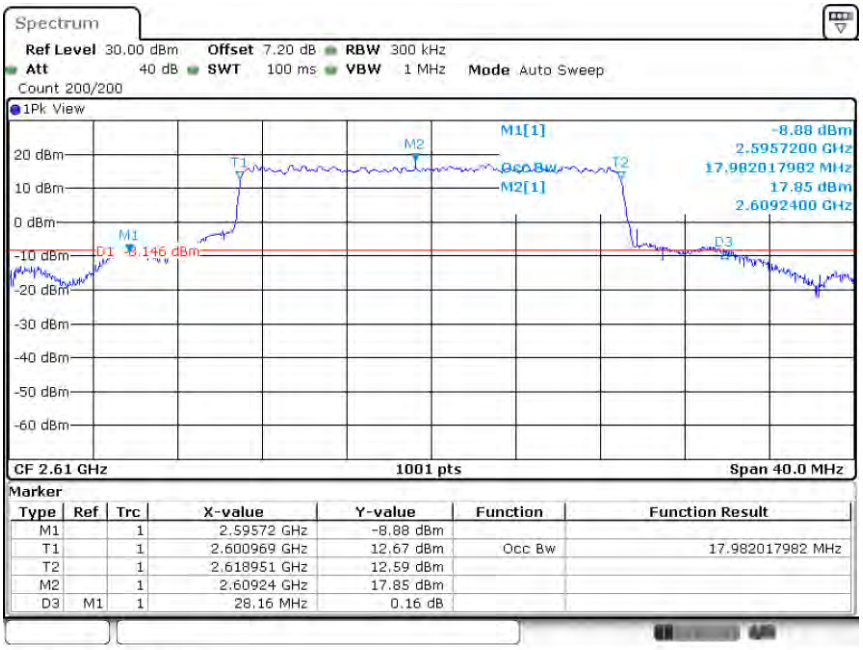

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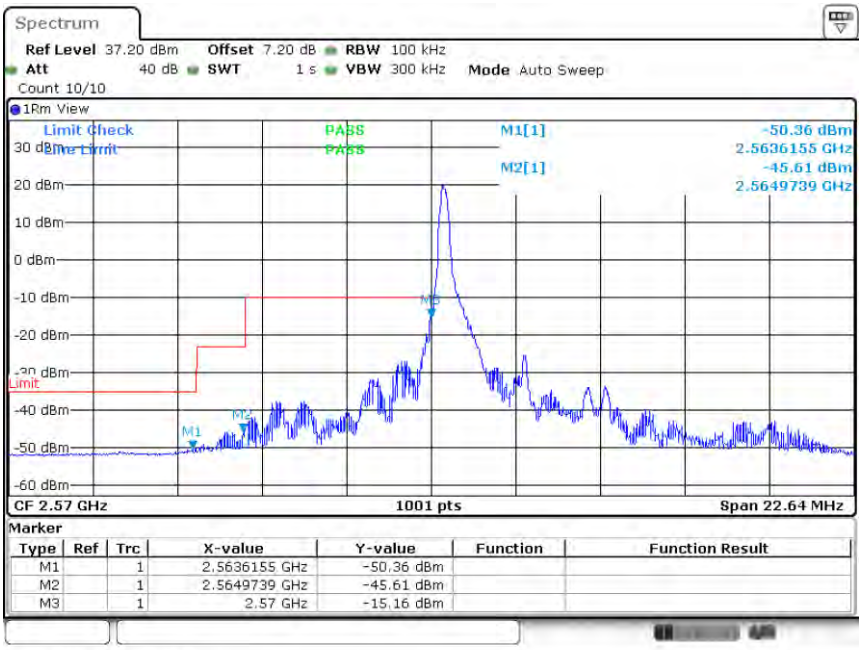
5. Band Edge Compliance

5.1. Test Plots

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



Date: 29.MAR.2021 19:25:50

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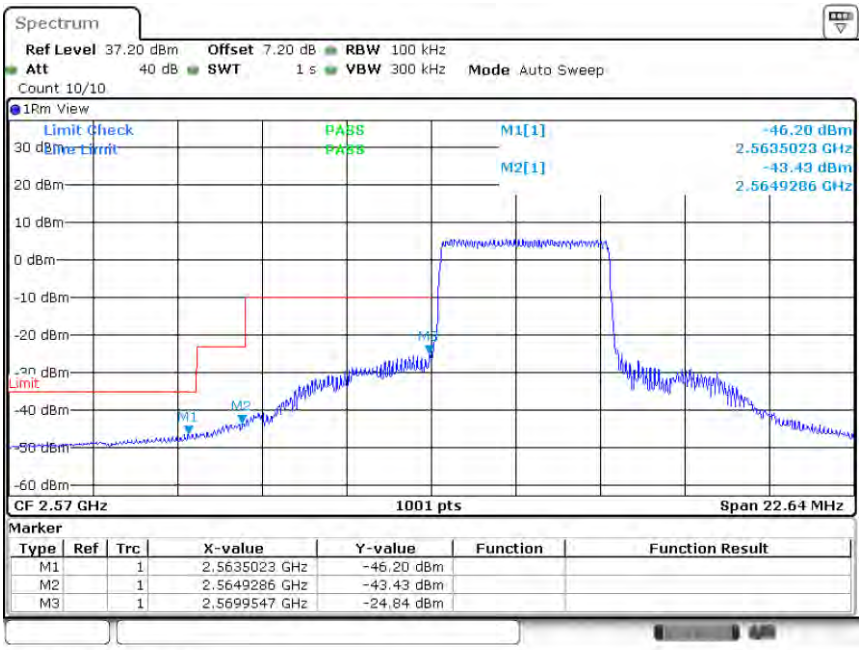
Band38-5MHz-QPSK-37775-25RB#0



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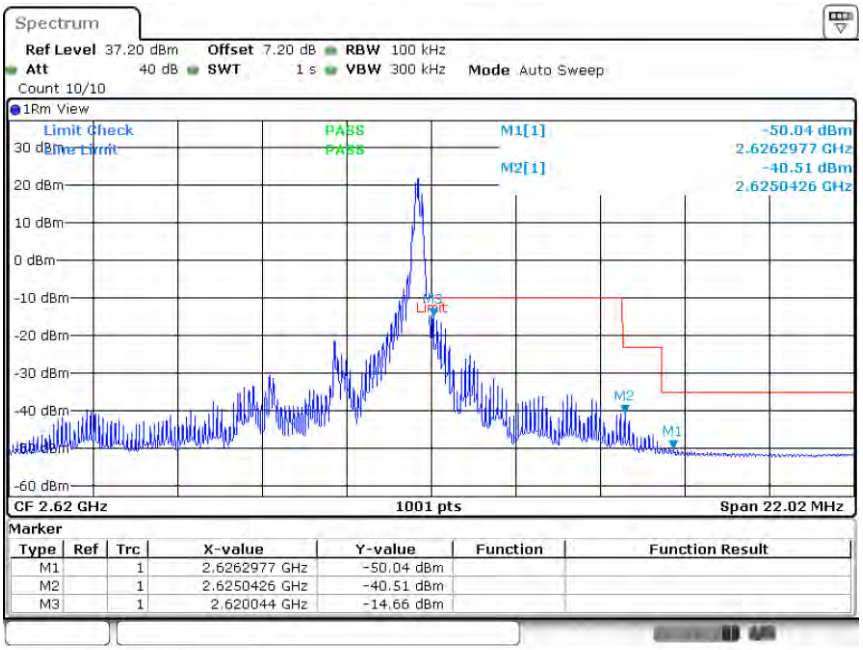
Band38-5MHz-QPSK-38225-1RB#24



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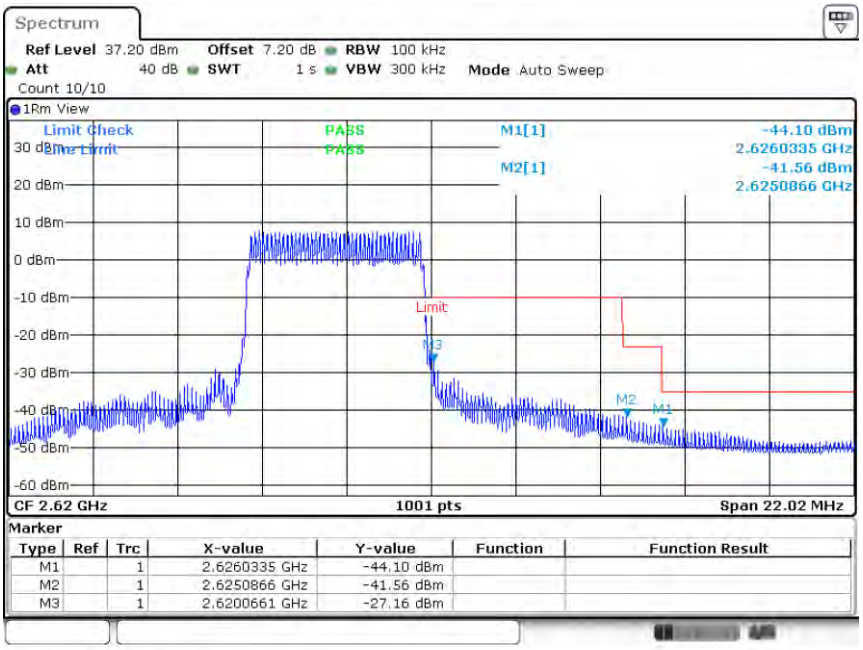

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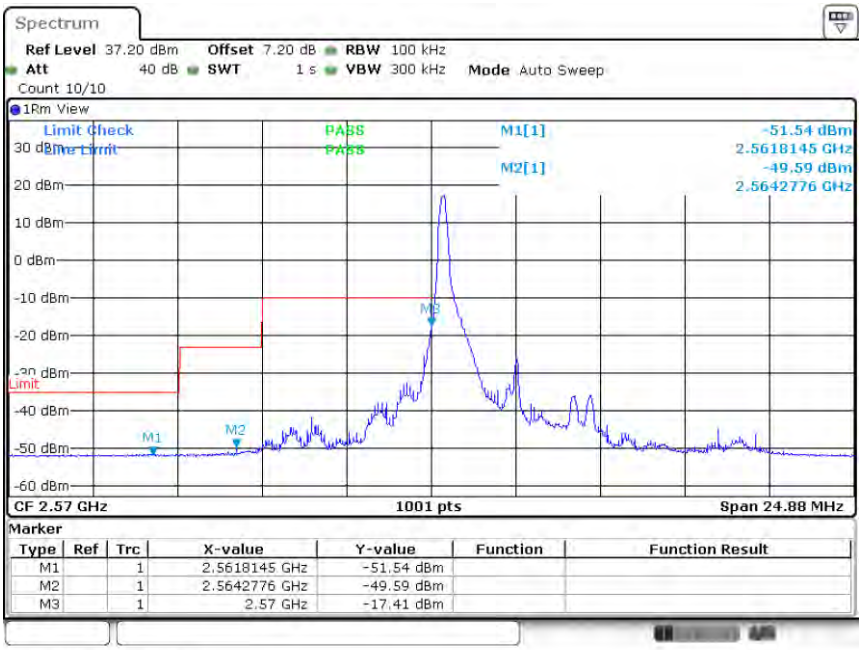
Band38-5MHz-64QAM-37775-1RB#0



Date: 29.MAR.2021 19:43:40

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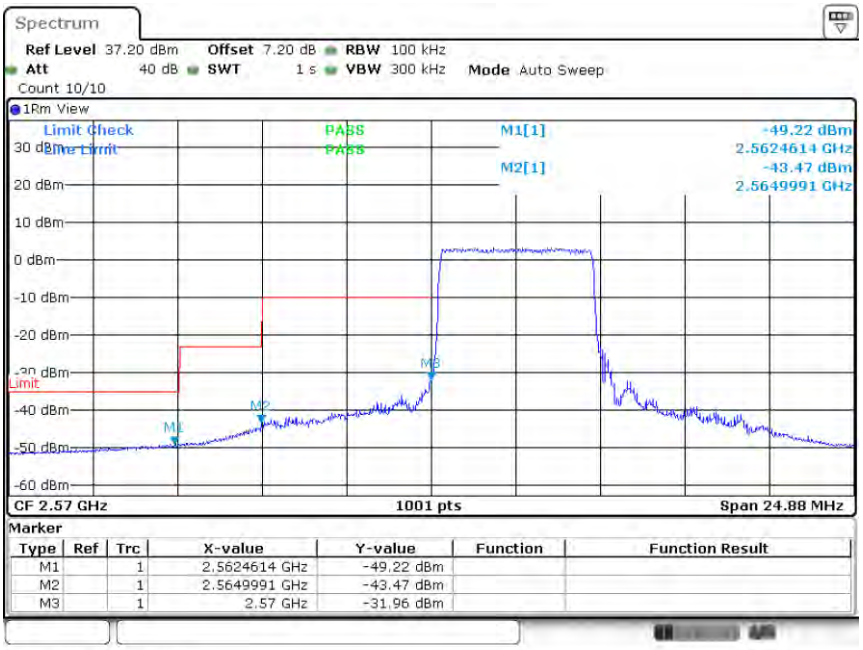
Band38-5MHz-64QAM-37775-25RB#0



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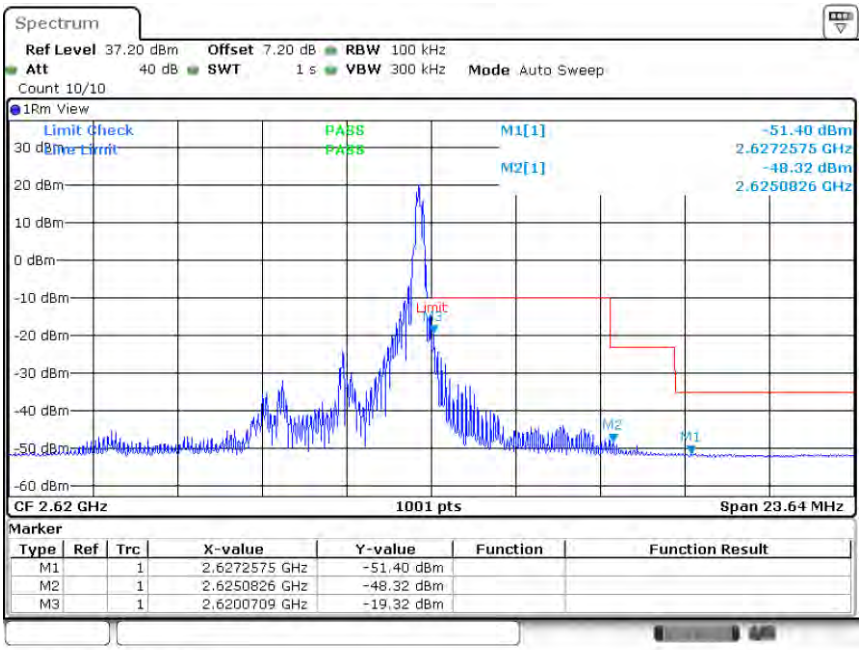
Band38-5MHz-64QAM-38225-1RB#24



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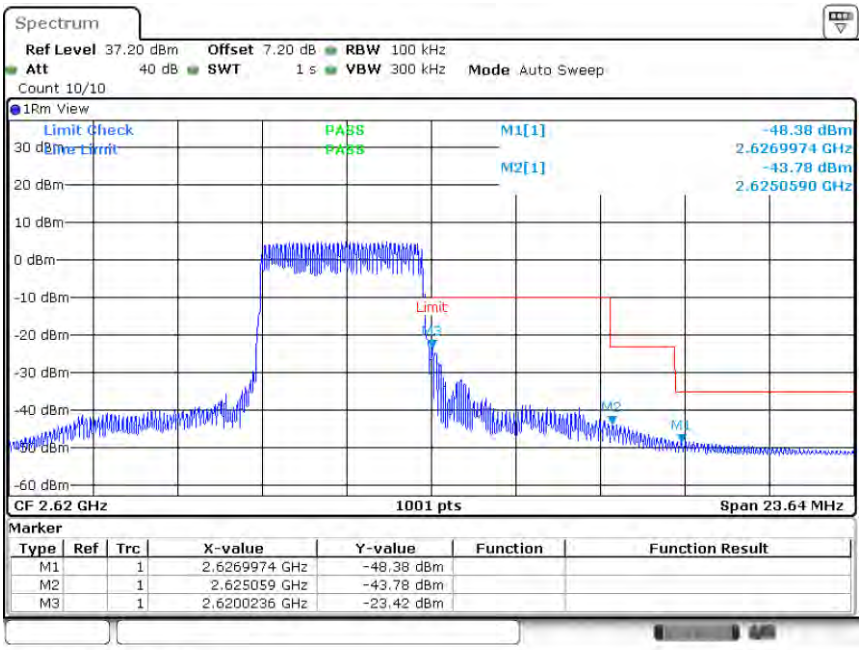

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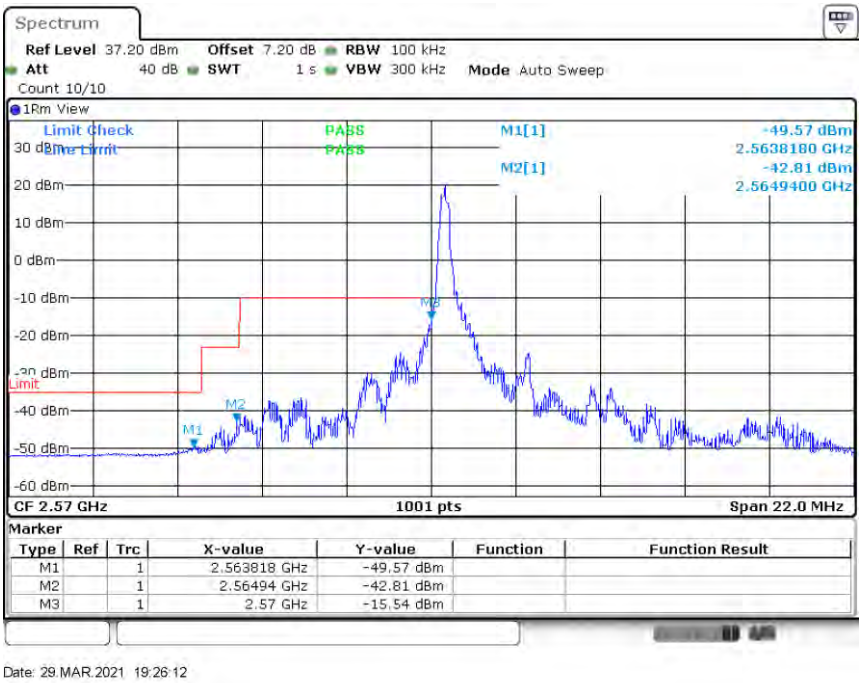

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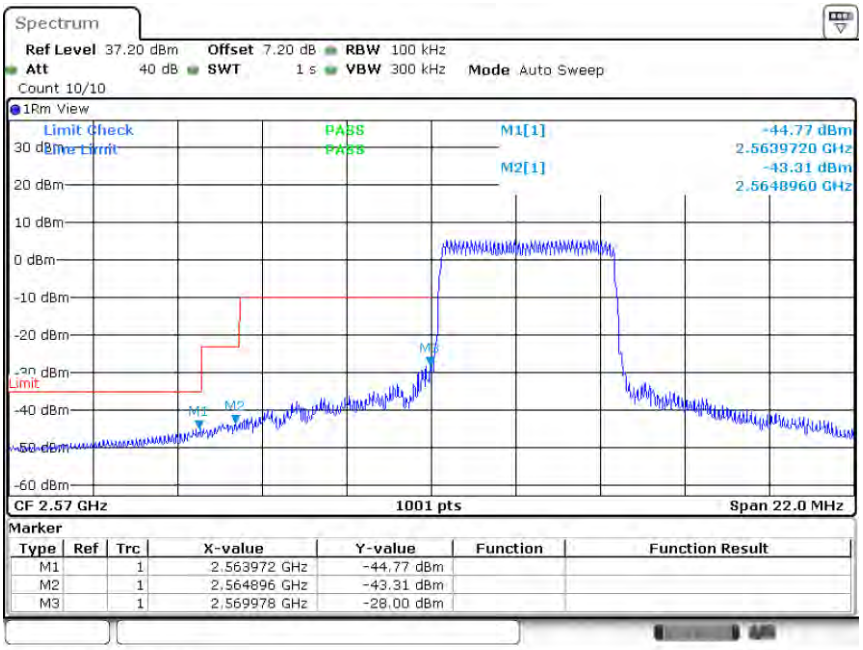

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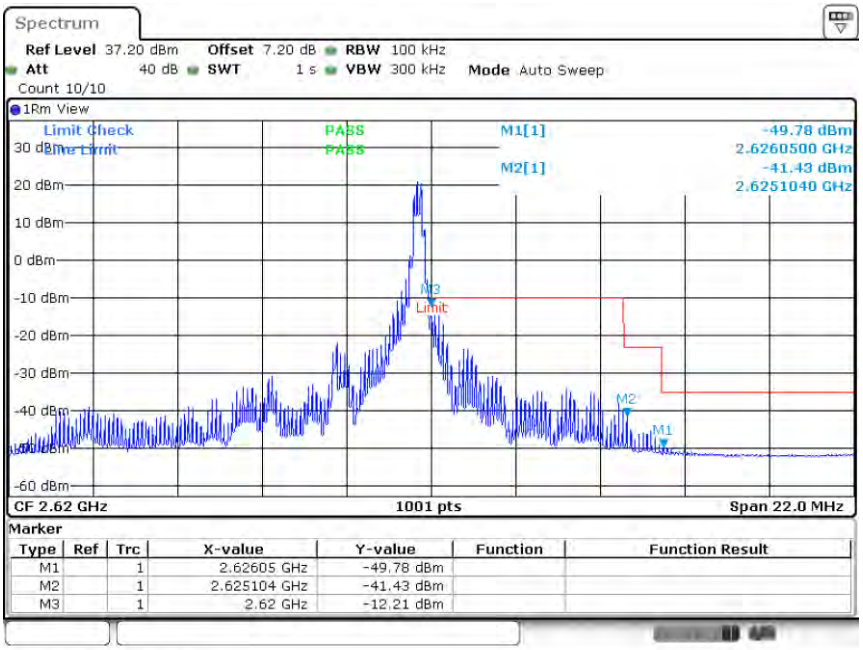
Band38-5MHz-16QAM-38225-1RB#24



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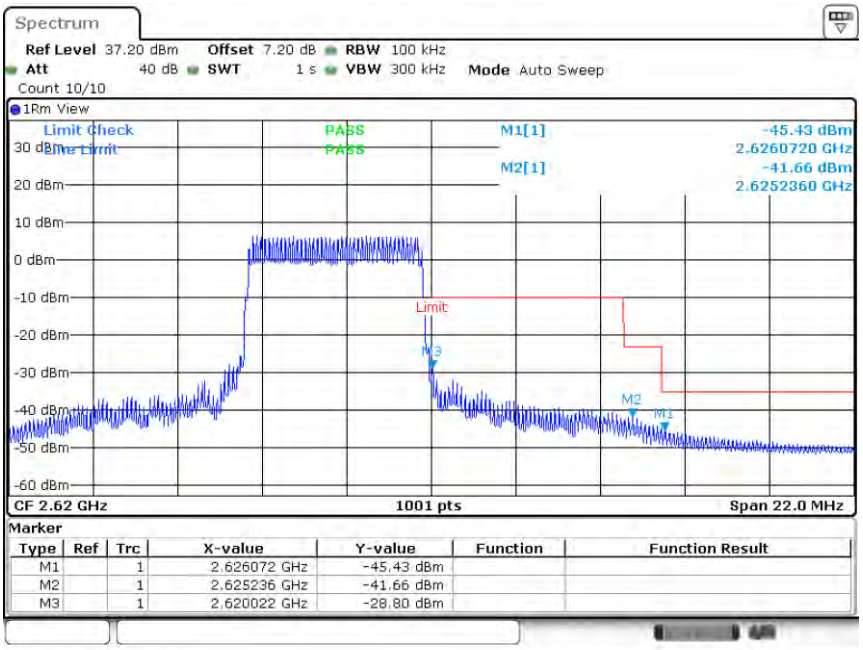
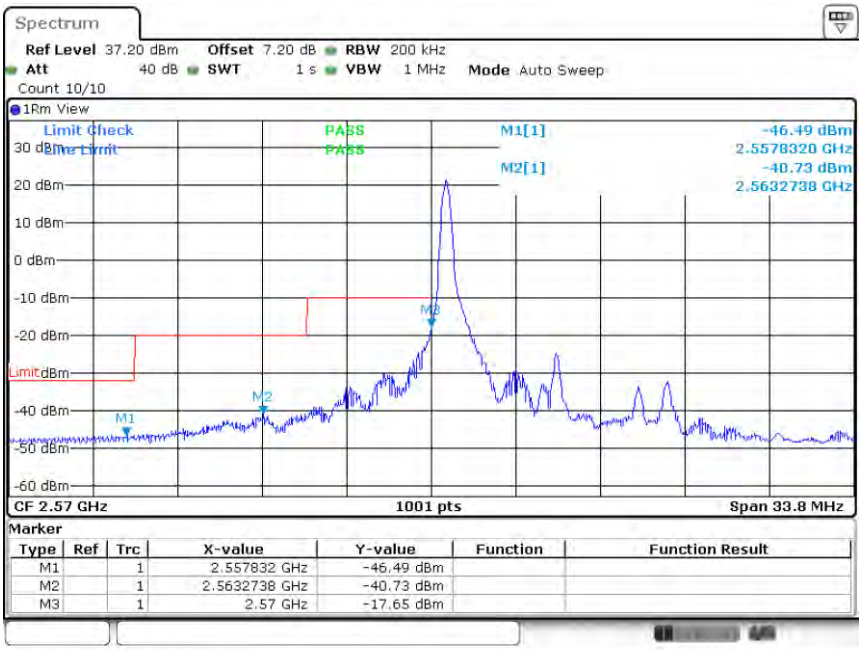


Date: 29.MAR.2021 19:33:48

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



Date: 29.MAR.2021 19:34:14

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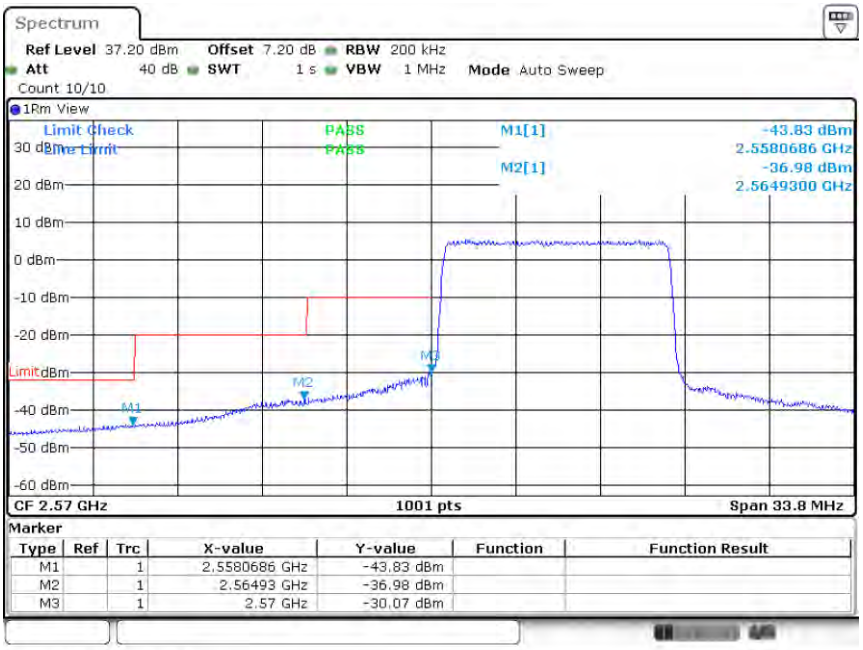
Band38-10MHz-QPSK-37800-50RB#0



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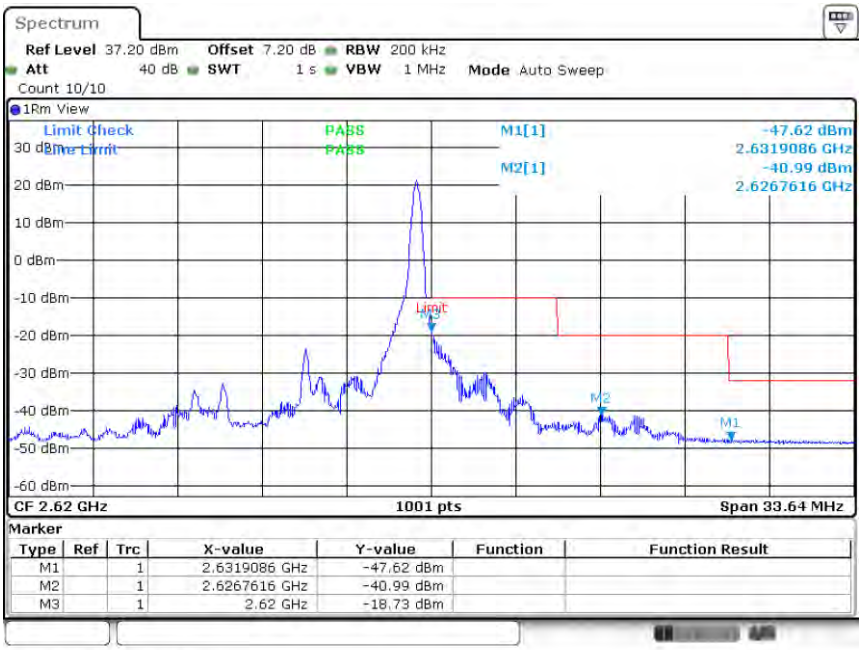
Band38-10MHz-QPSK-38200-1RB#49



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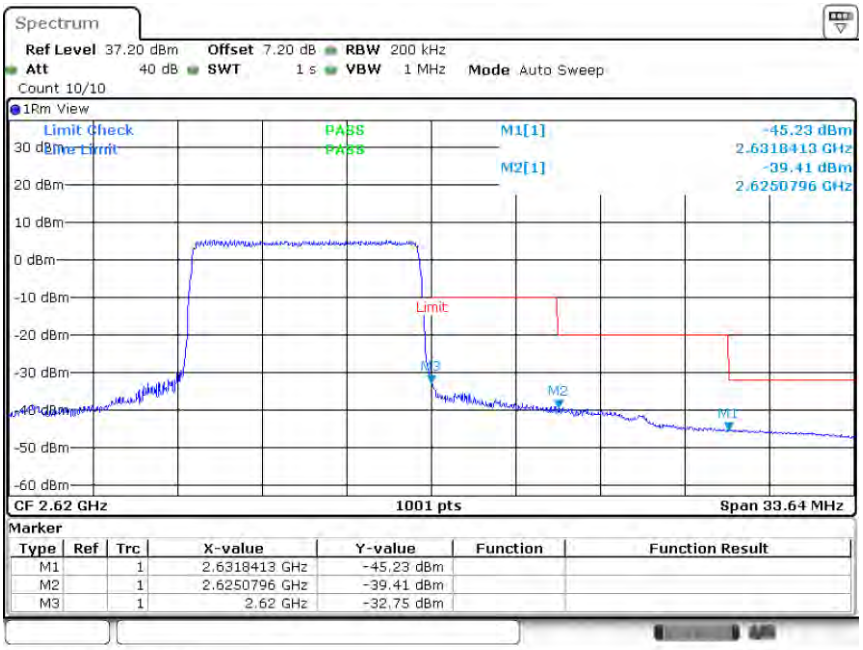

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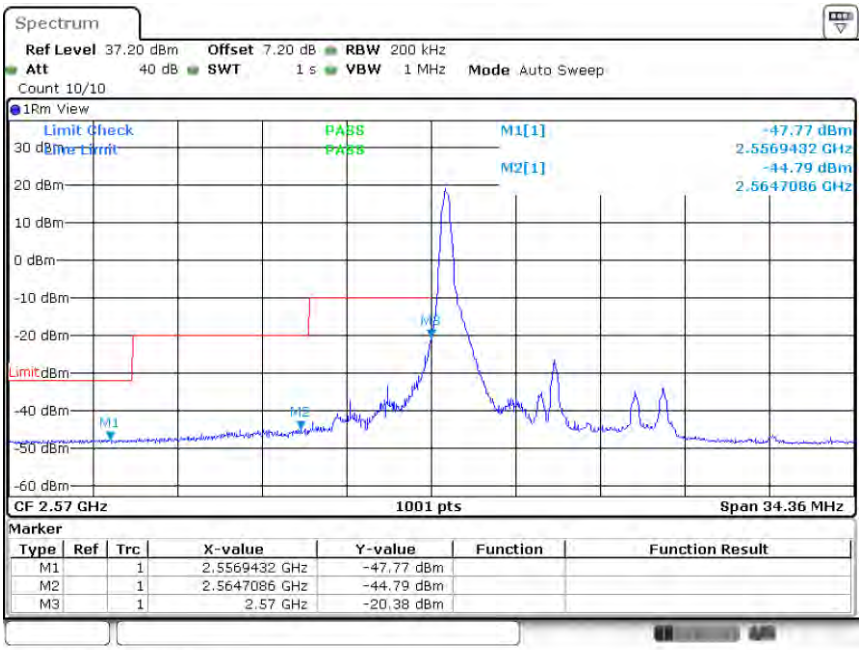
Band38-10MHz-64QAM-37800-1RB#0



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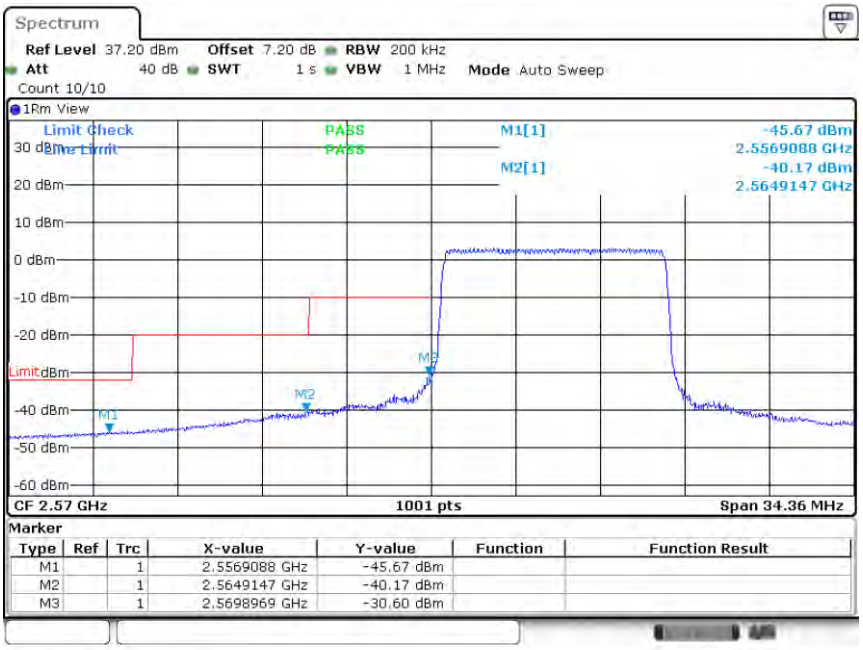
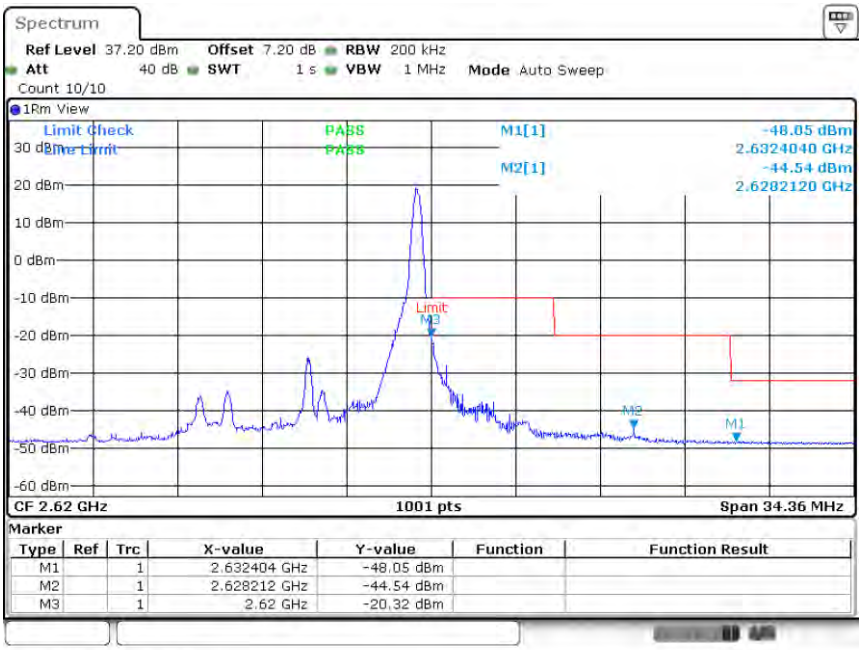


Date: 29.MAR.2021 19:46:14

Band38-10MHz-64QAM-38200-1RB#49



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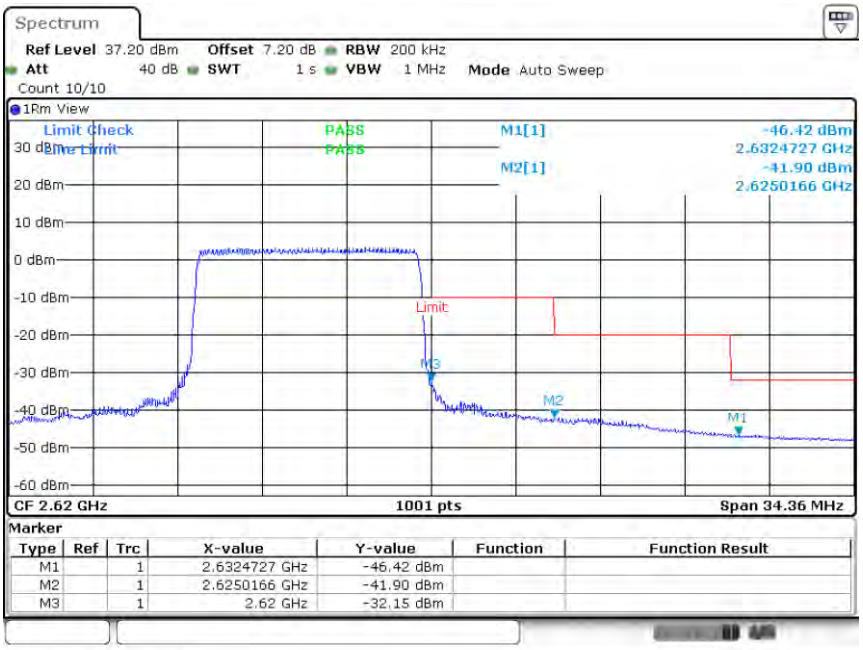

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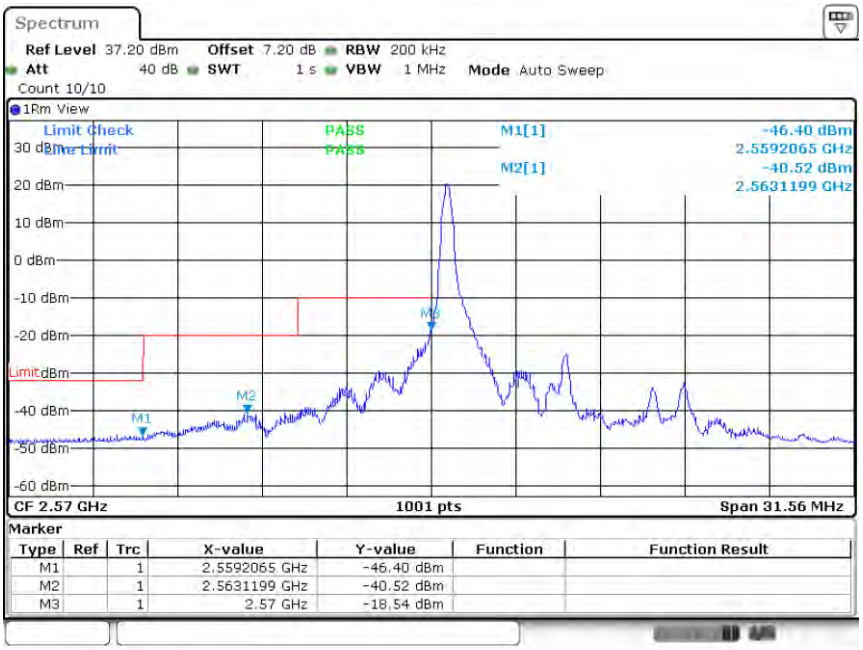

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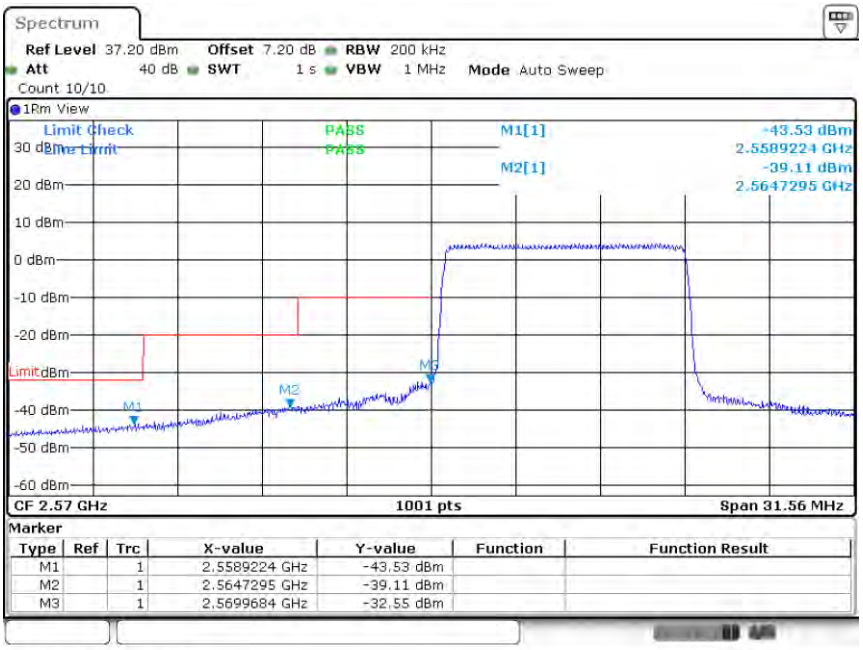

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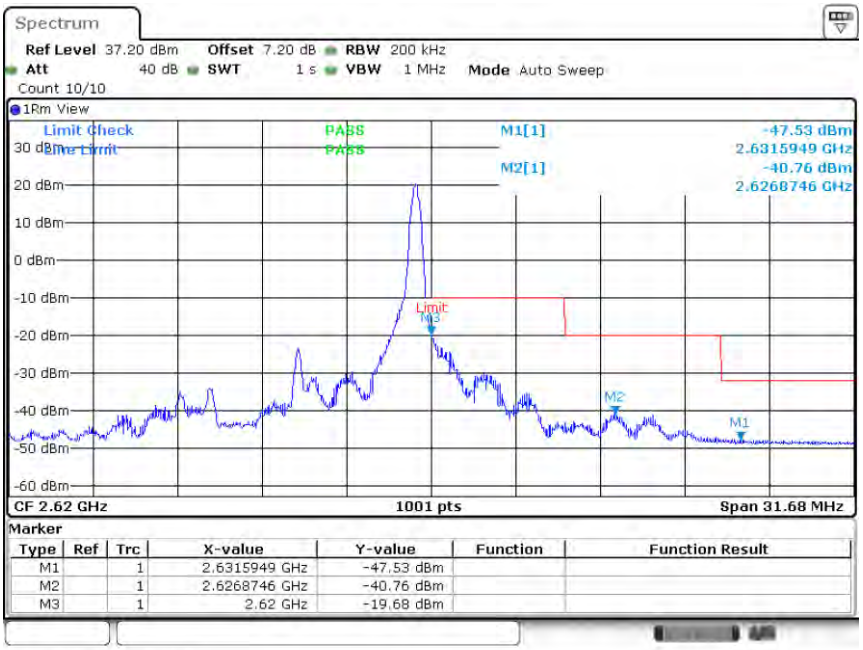
Band38-10MHz-16QAM-38200-1RB#49



Date: 29.MAR.2021 19:35:23

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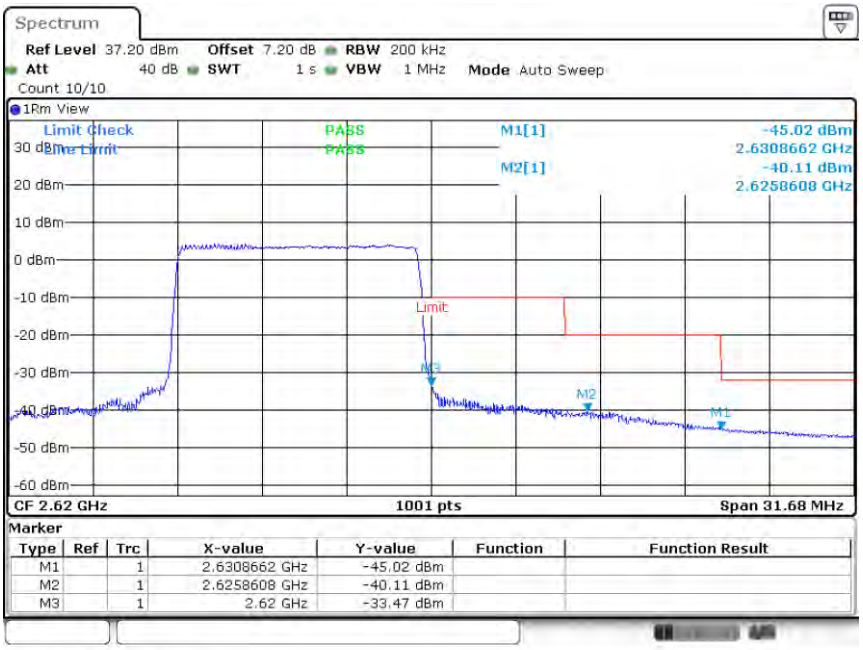
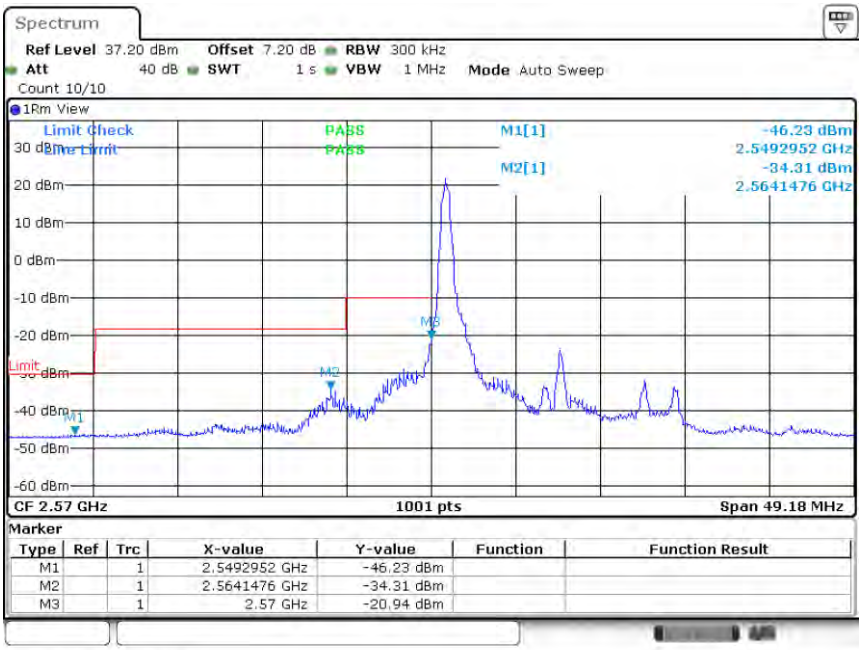
Band38-10MHz-16QAM-38200-50RB#0



Date: 29.MAR.2021 19:36:54

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



Date: 29.MAR.2021 19:37:21

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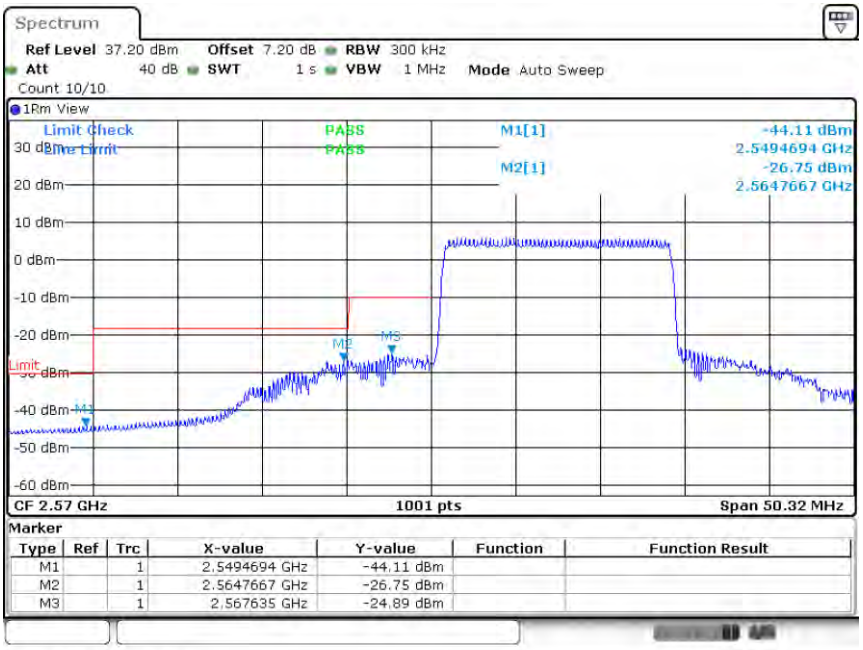
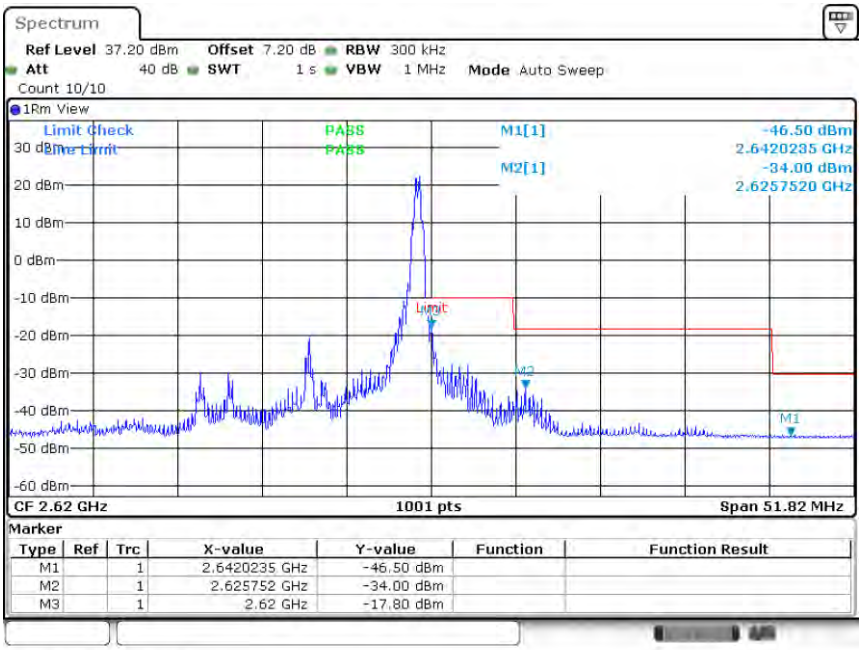
Band38-15MHz-QPSK-37825-75RB#0



Date: 30.MAR.2021 10:16:41

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



Date: 30.MAR.2021 10:15:21

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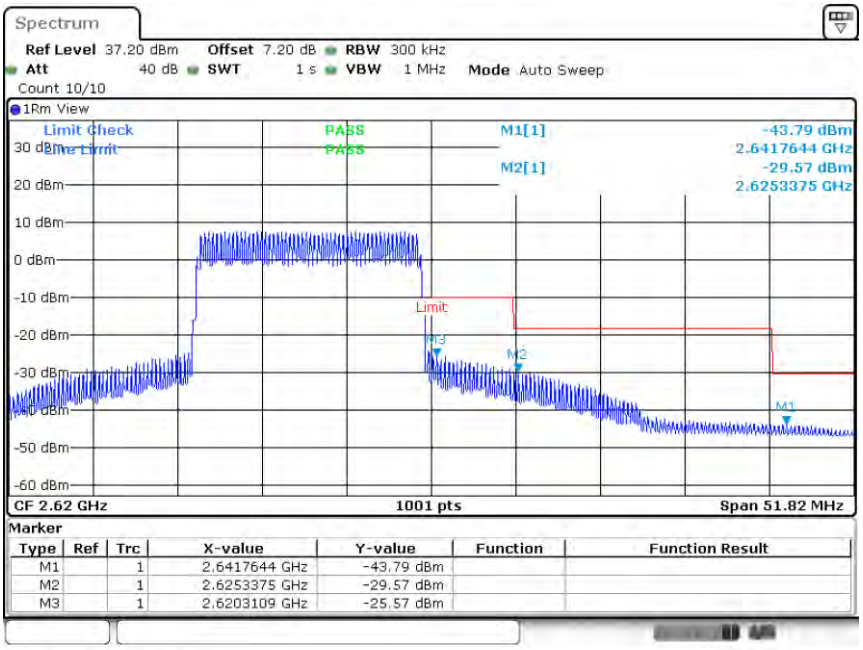
Band38-15MHz-QPSK-38175-75RB#0



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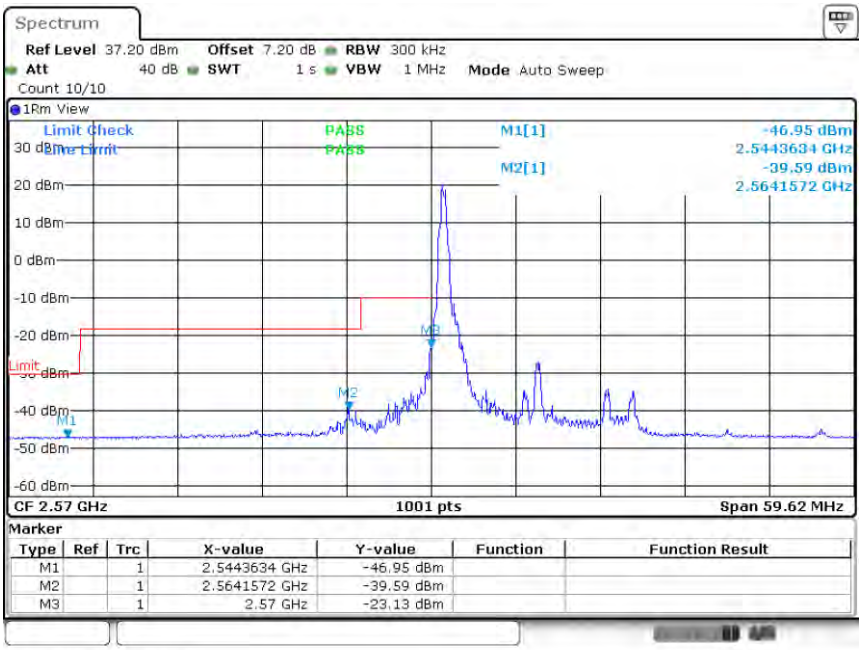
Band38-15MHz-64QAM-37825-1RB#0



Date: 29.MAR.2021 19:47:03

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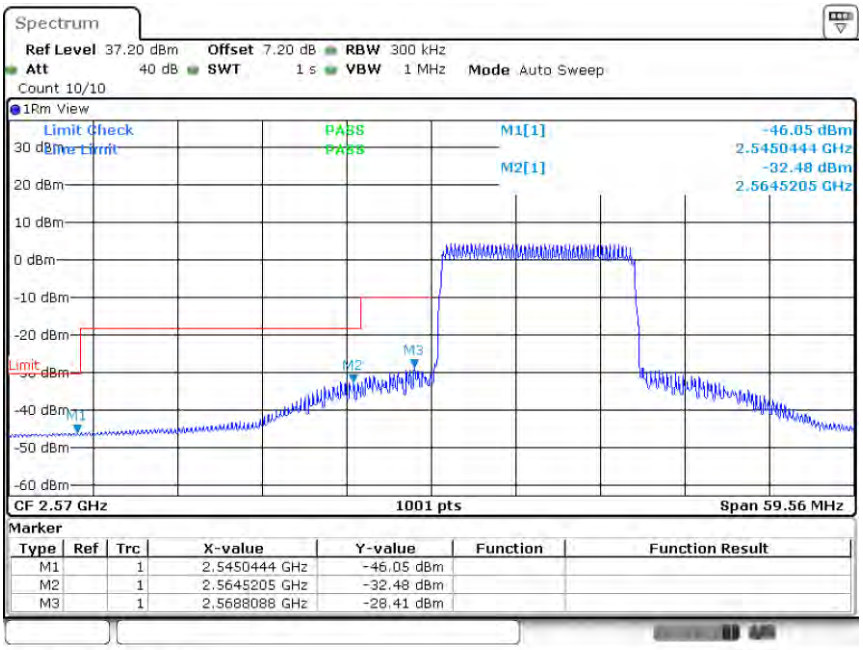
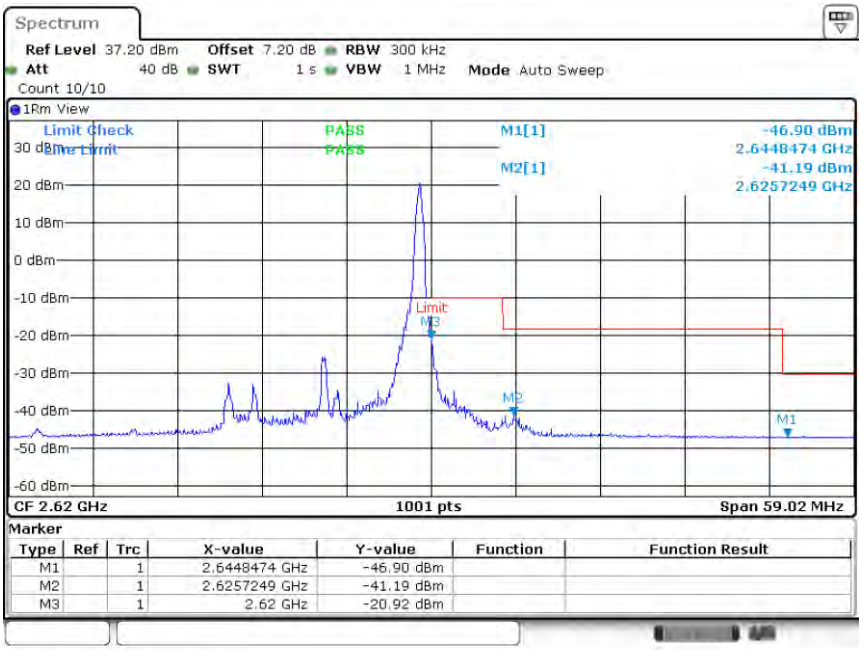
Band38-15MHz-64QAM-37825-75RB#0



Date: 30.MAR.2021 10:44:00

Band38-15MHz-64QAM-38175-1RB#74



Date: 30.MAR.2021 10:43:25

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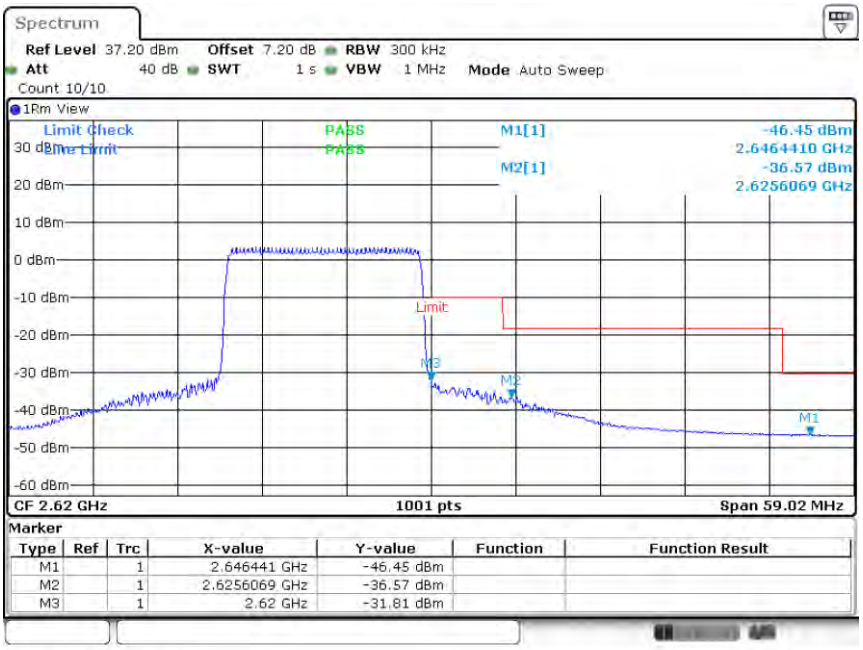
Band38-15MHz-64QAM-38175-75RB#0



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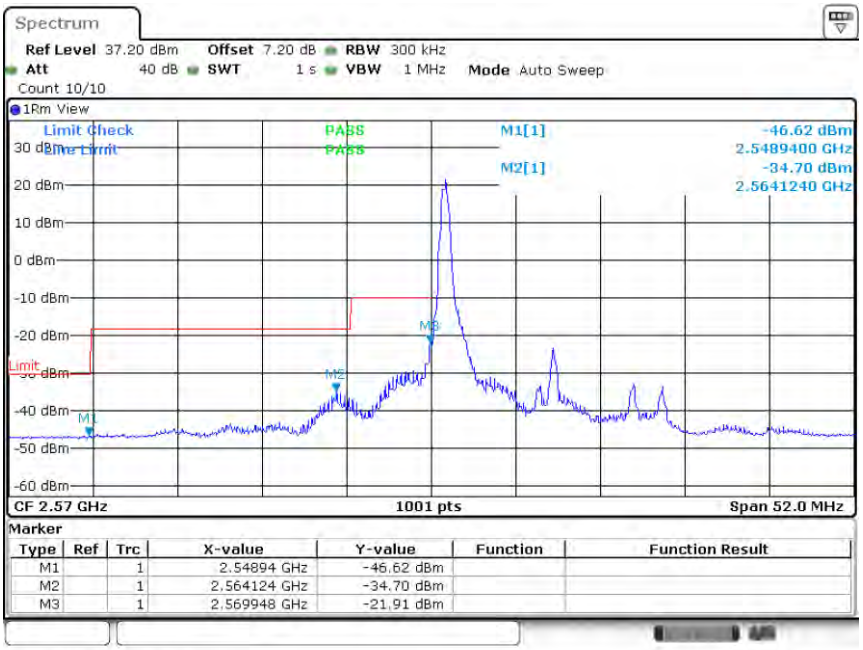
Band38-15MHz-16QAM-37825-1RB#0



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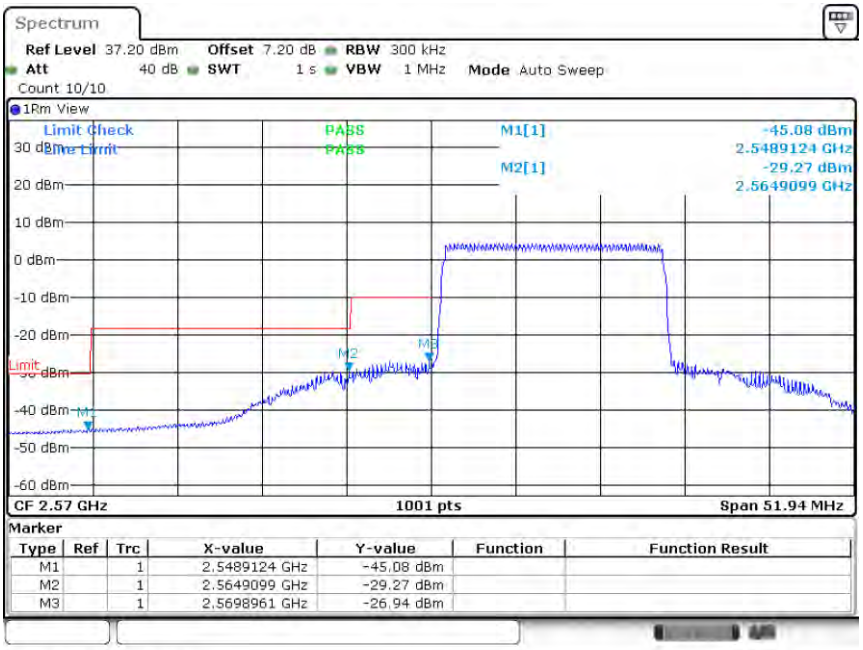
Band38-15MHz-16QAM-37825-75RB#0



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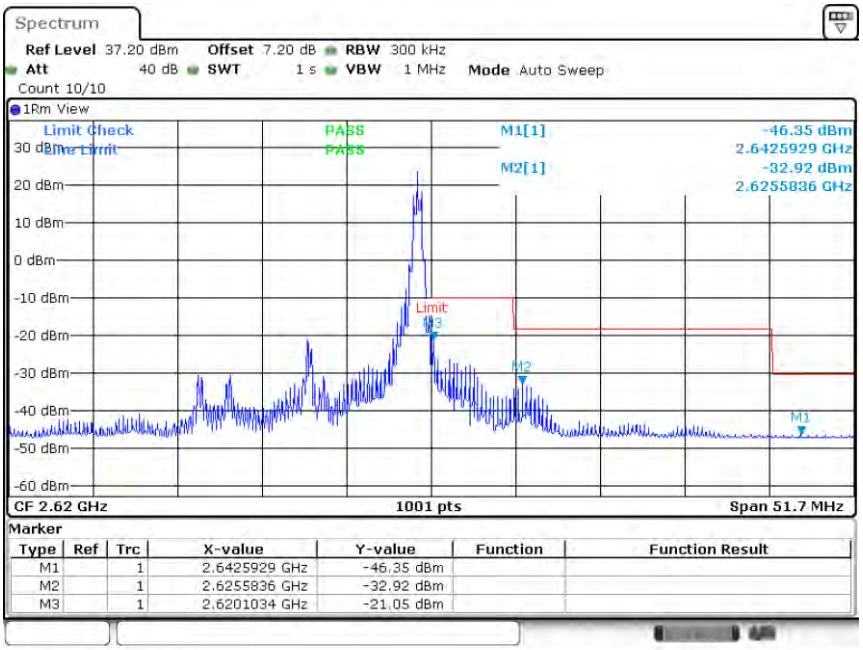
Band38-15MHz-16QAM-38175-1RB#74



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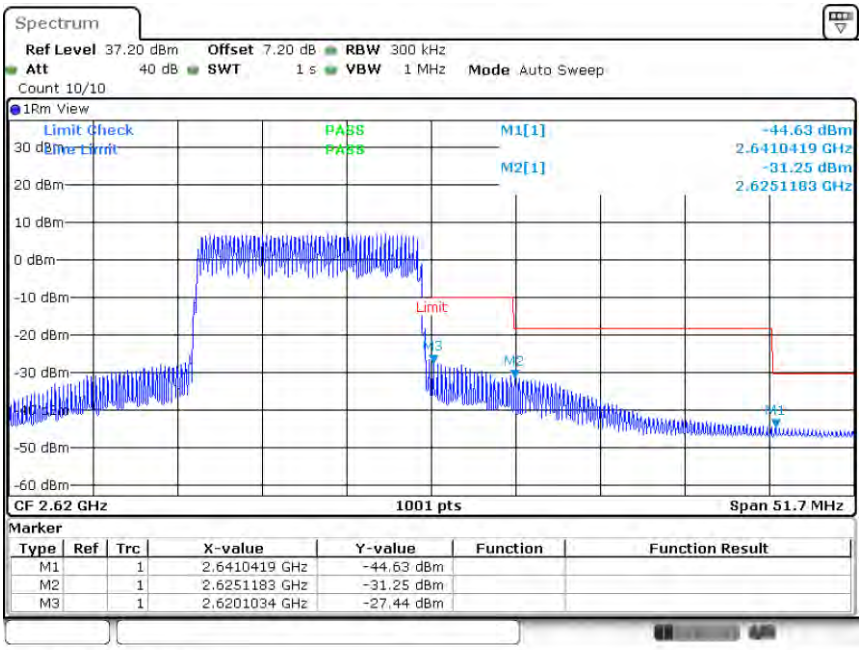
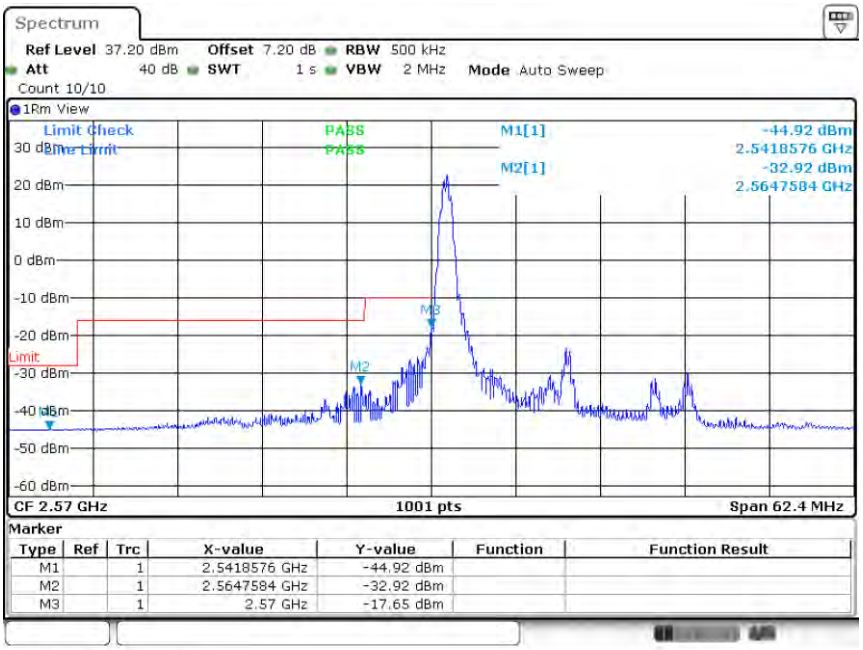
Band38-15MHz-16QAM-38175-75RB#0



Date: 30.MAR.2021 10:19:27

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



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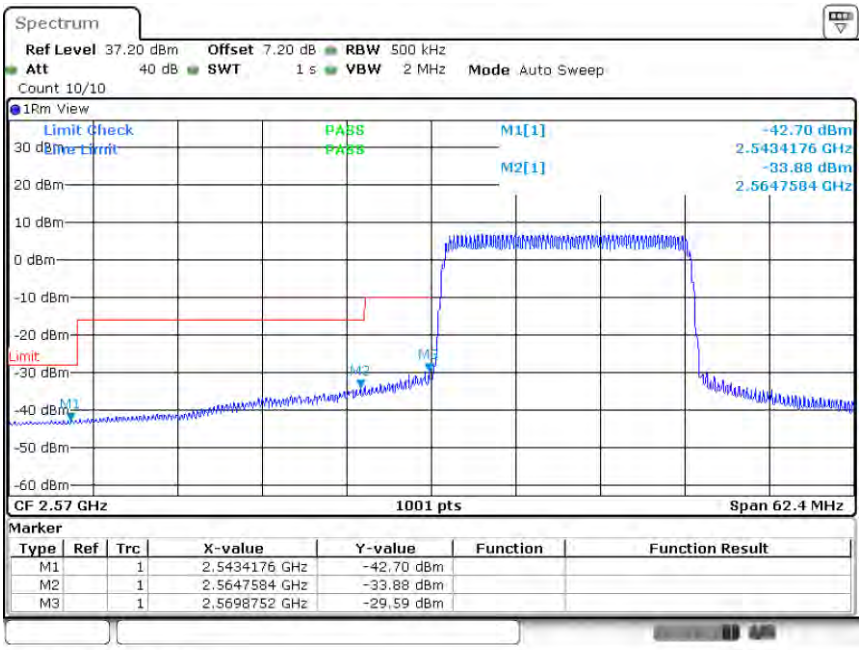
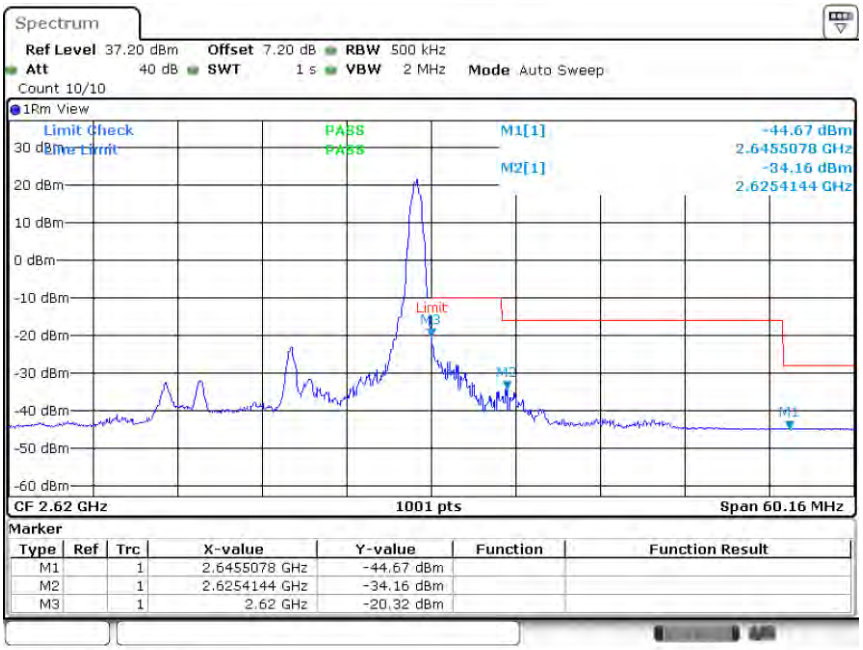
Band38-20MHz-QPSK-37850-100RB#0



Date: 29.MAR.2021 19:42:08

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



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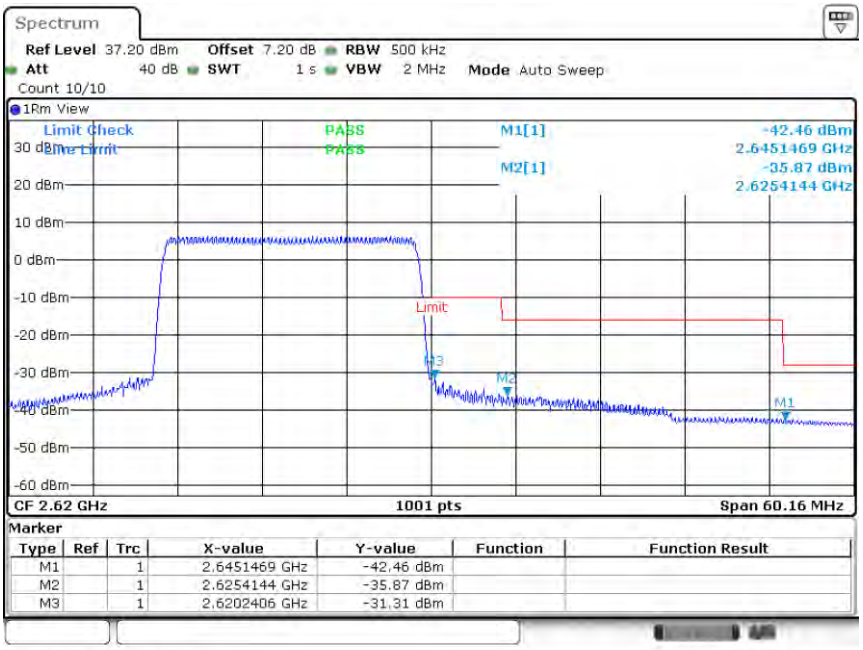
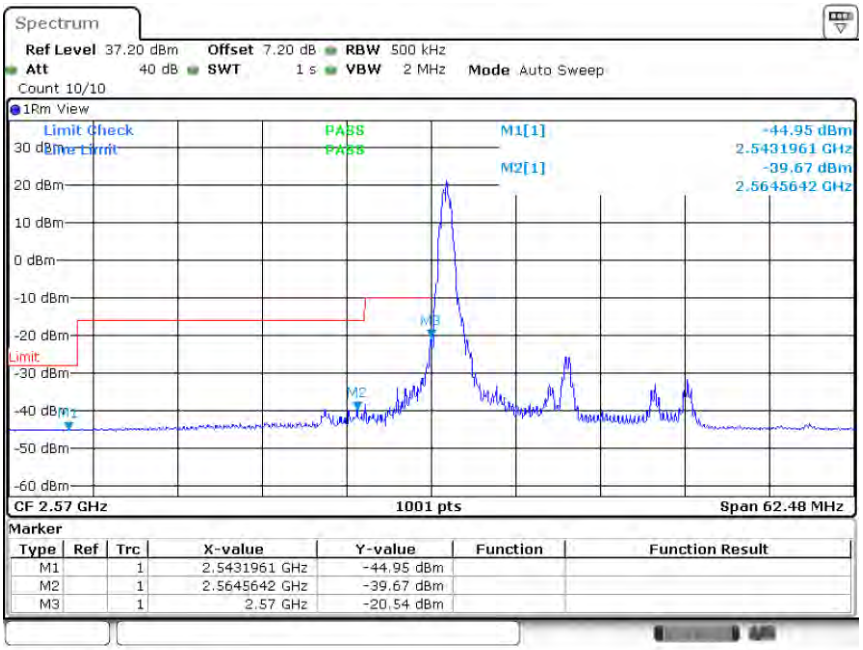
Band38-20MHz-QPSK-38150-100RB#0



Date: 29.MAR.2021 19:42:52

Band38-20MHz-64QAM-37850-1RB#0



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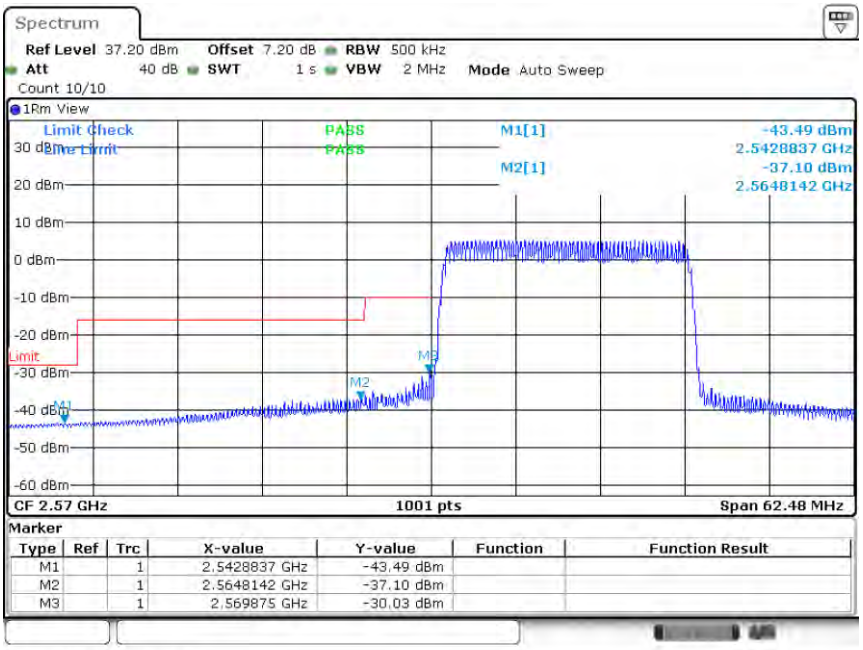
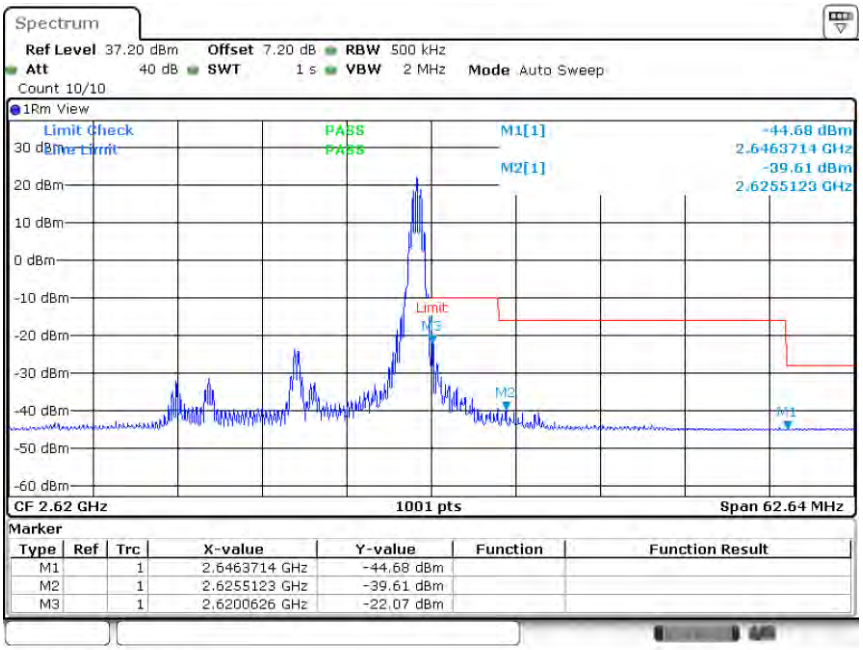
Band38-20MHz-64QAM-37850-100RB#0



Date: 29.MAR.2021 19:49:36

Band38-20MHz-64QAM-38150-1RB#99



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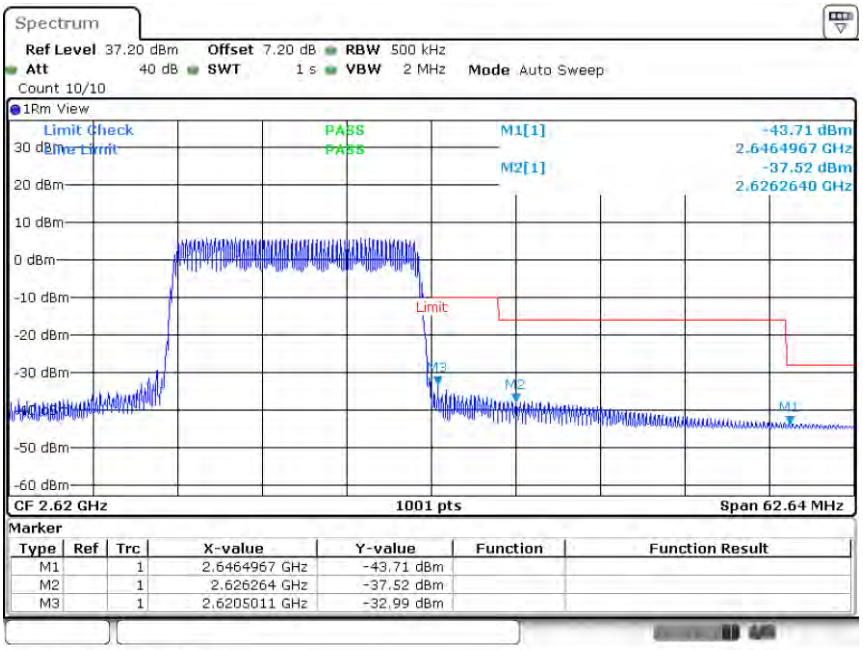
Band38-20MHz-64QAM-38150-100RB#0



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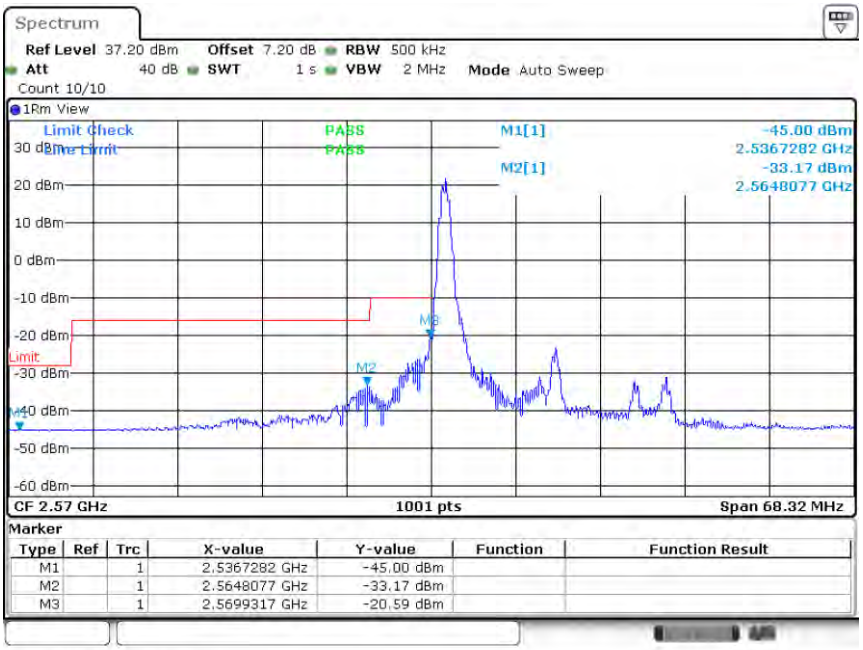
Band38-20MHz-16QAM-37850-1RB#0



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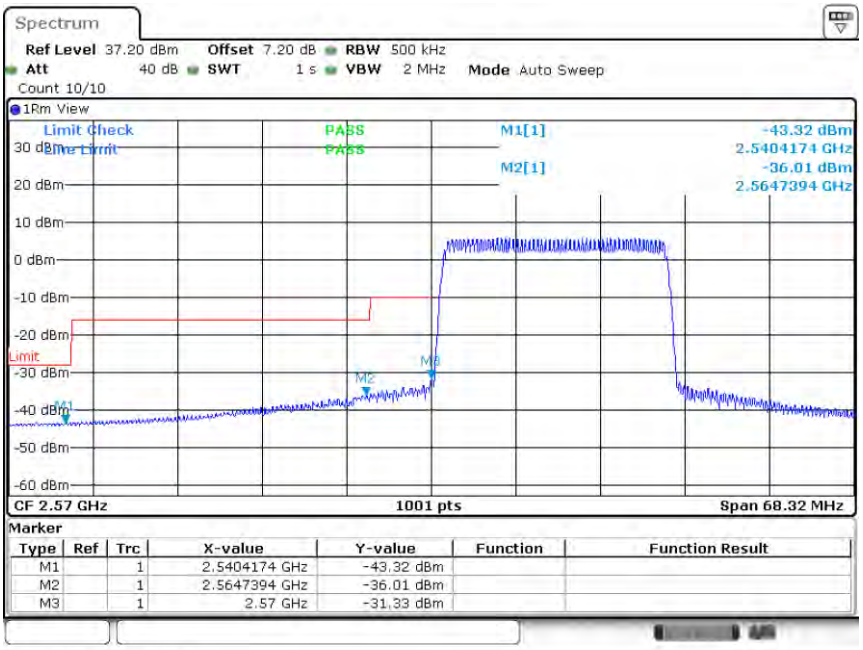
Band38-20MHz-16QAM-37850-100RB#0



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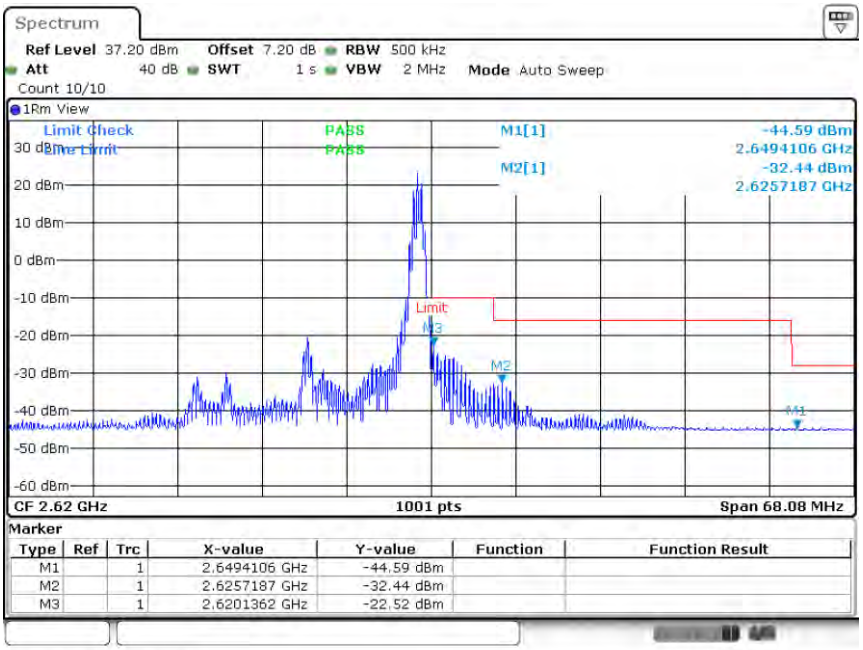
Band38-20MHz-16QAM-38150-1RB#99



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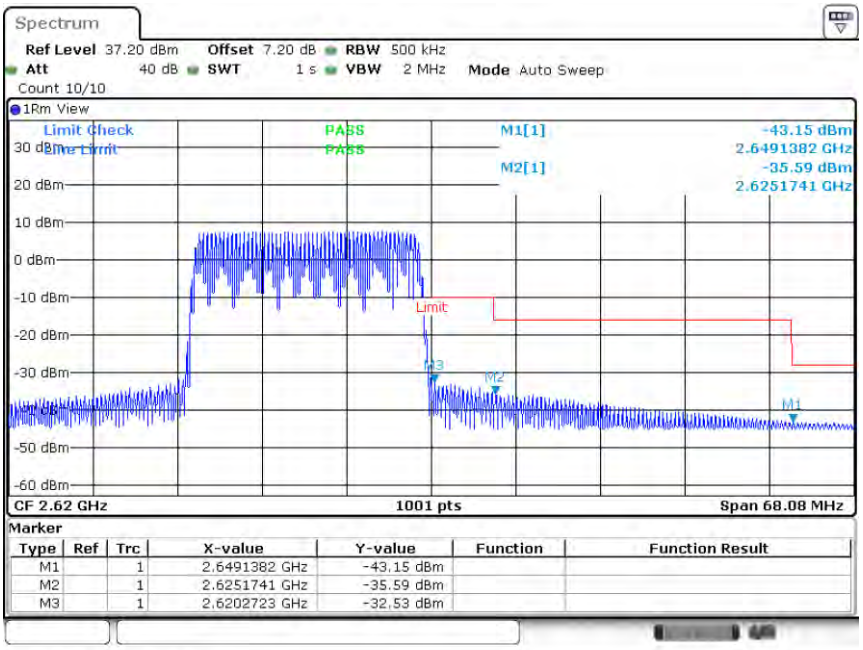
Band38-20MHz-16QAM-38150-100RB#0



Remark: The limit of more than 1MHz offset the channel edge is corrected by the formula:
X=Limit+10log (RBW/1000kHz)

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6. Spurious Emission at Antenna Terminal

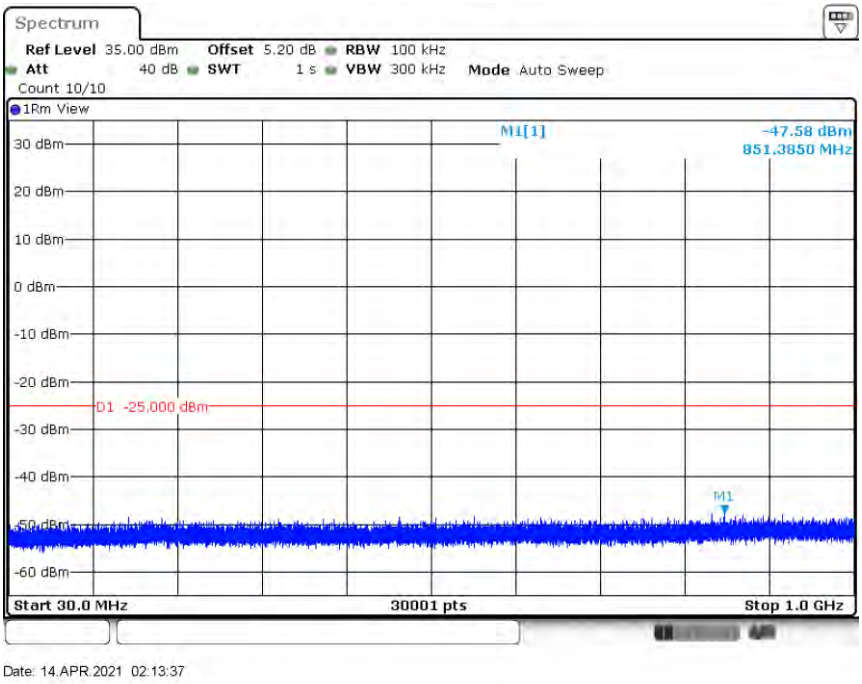
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.

Remark3: The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

6.1. Test Plots

Band38-20MHz-QPSK-37850-1RB#0-Range1:30~1000MHz



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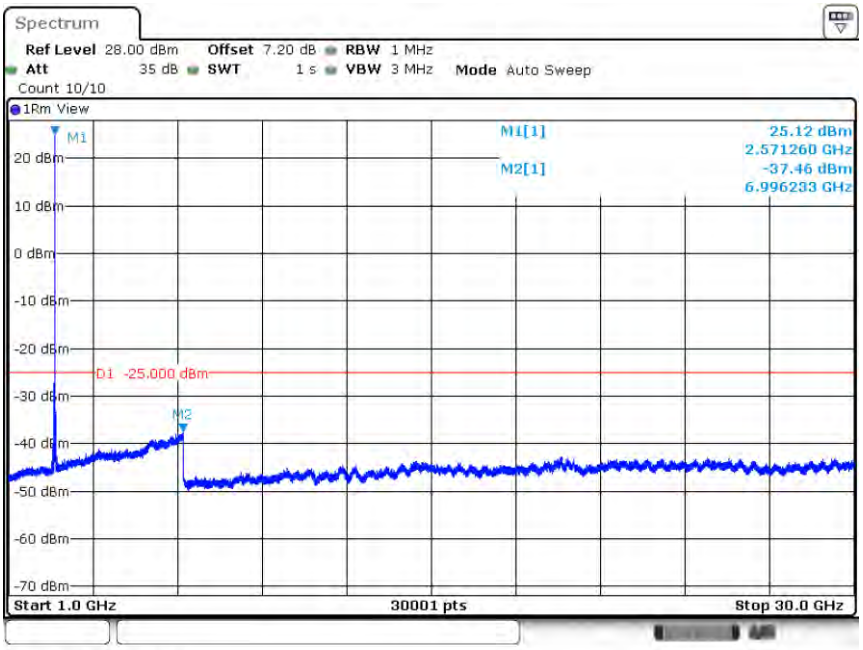
Band38-20MHz-QPSK-37850-1RB#0-Range2:1000~30000MHz



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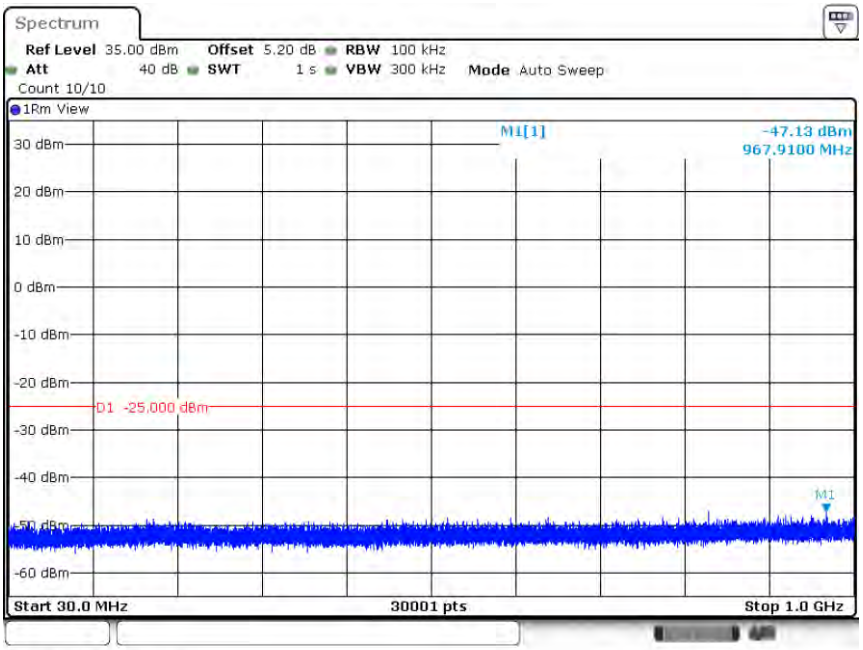

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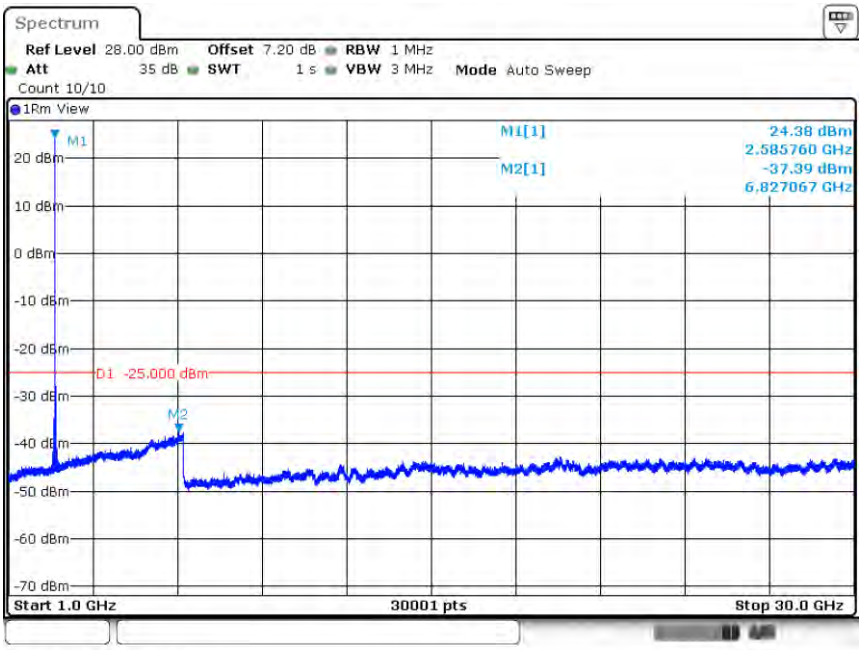
Band38-20MHz-QPSK-38000-1RB#0-Range2:1000~30000MHz



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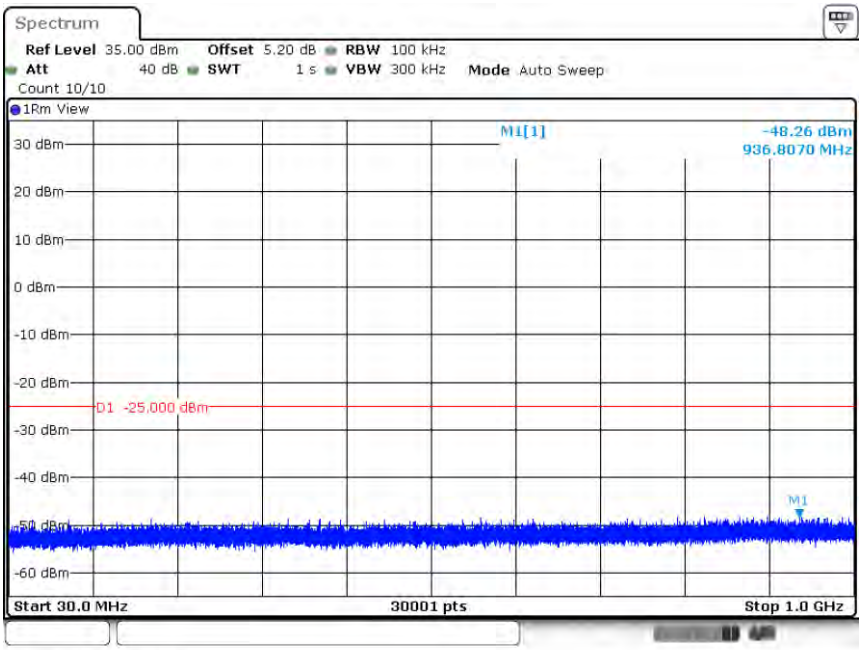

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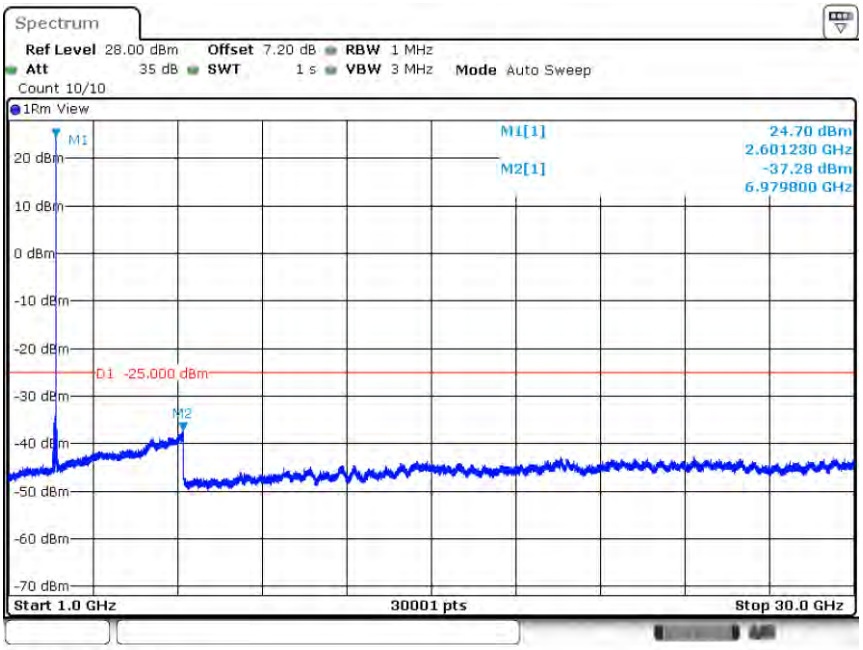

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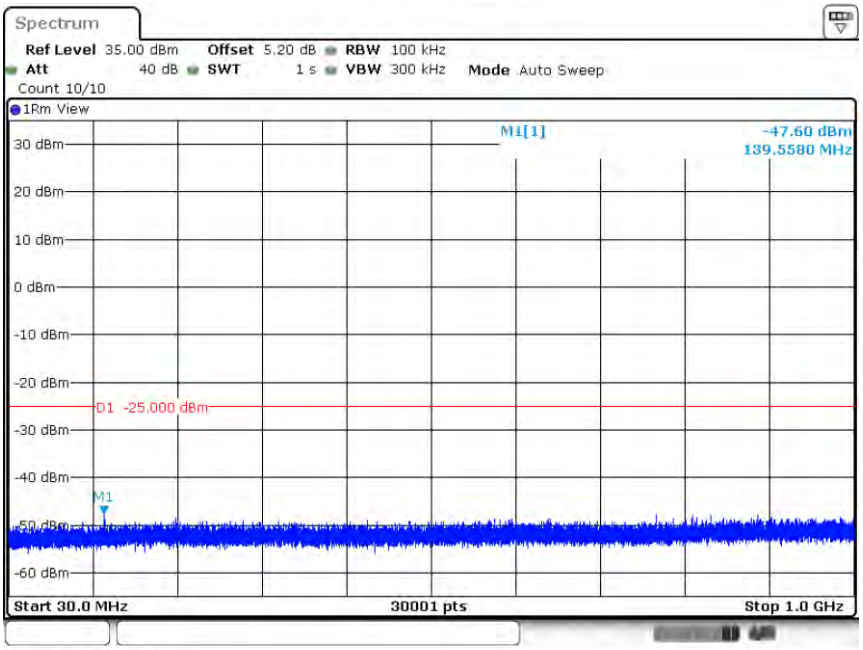
Band38-20MHz-64QAM-37850-1RB#0-Range1:30~1000MHz



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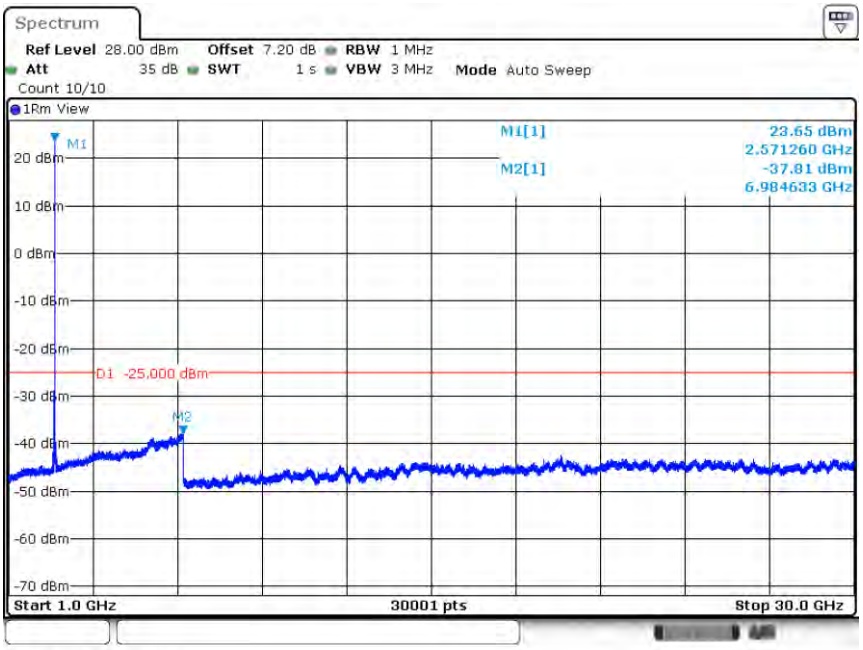

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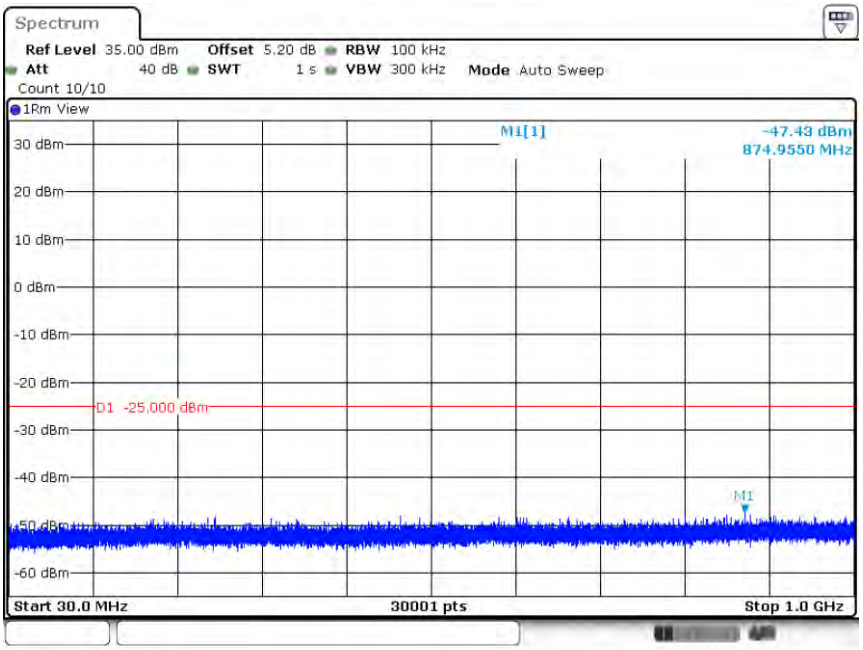

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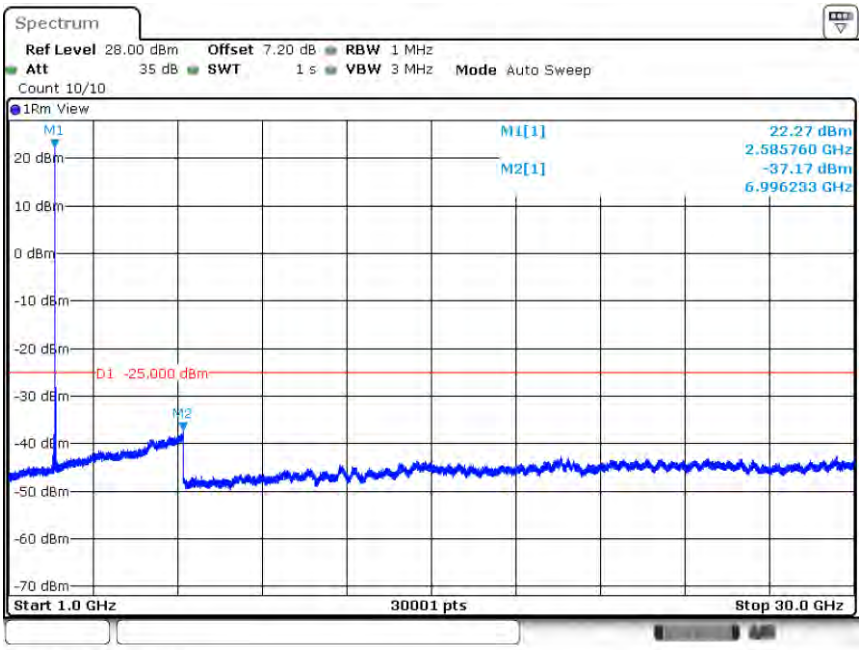

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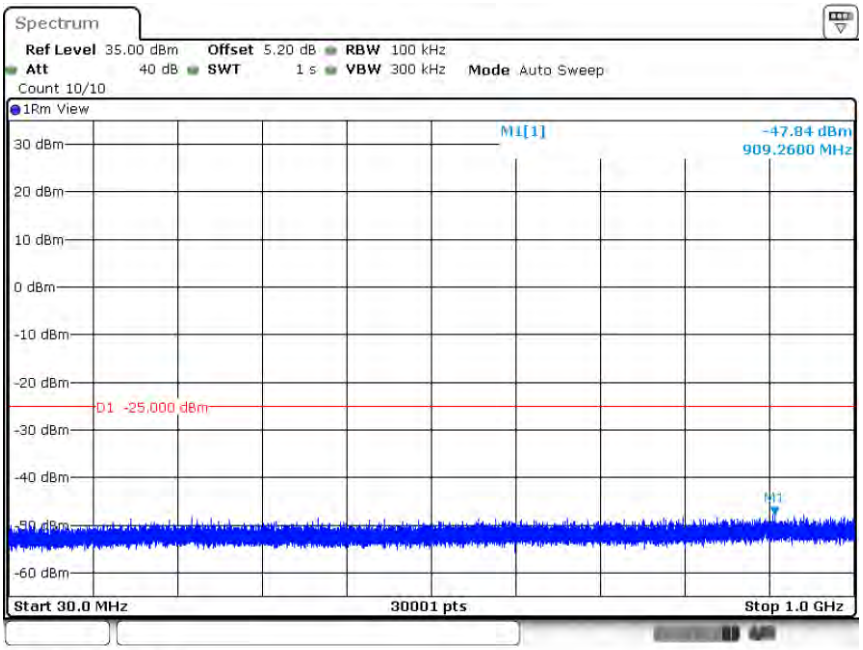

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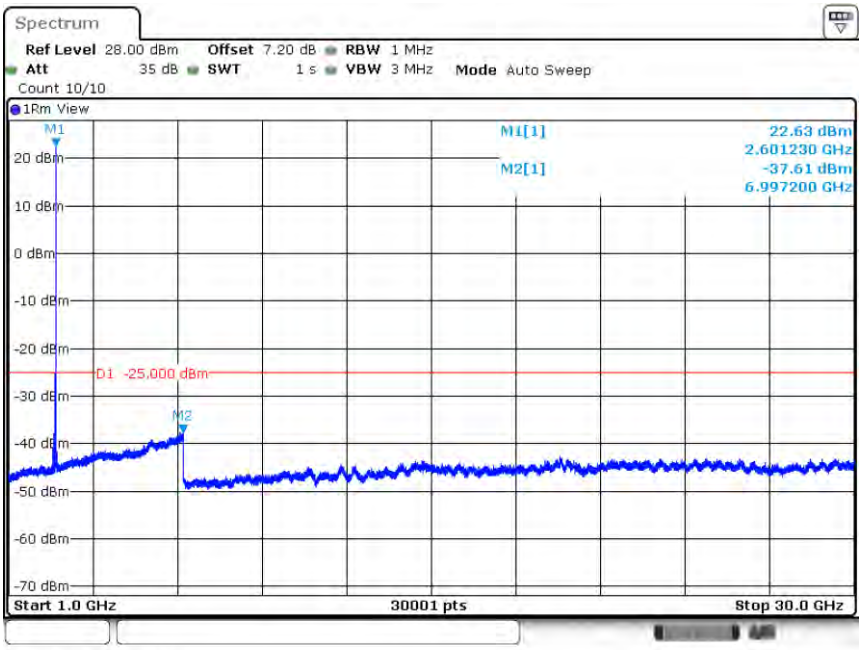
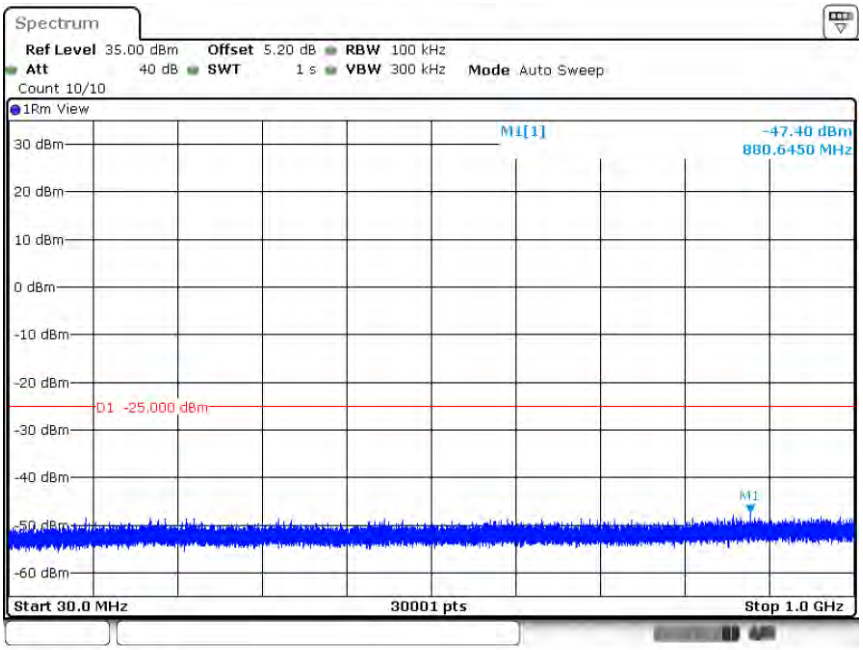


Date: 14.APR.2021 02:19:51

Band38-20MHz-16QAM-37850-1RB#0-Range1:30~1000MHz



Date: 14.APR.2021 02:14:12

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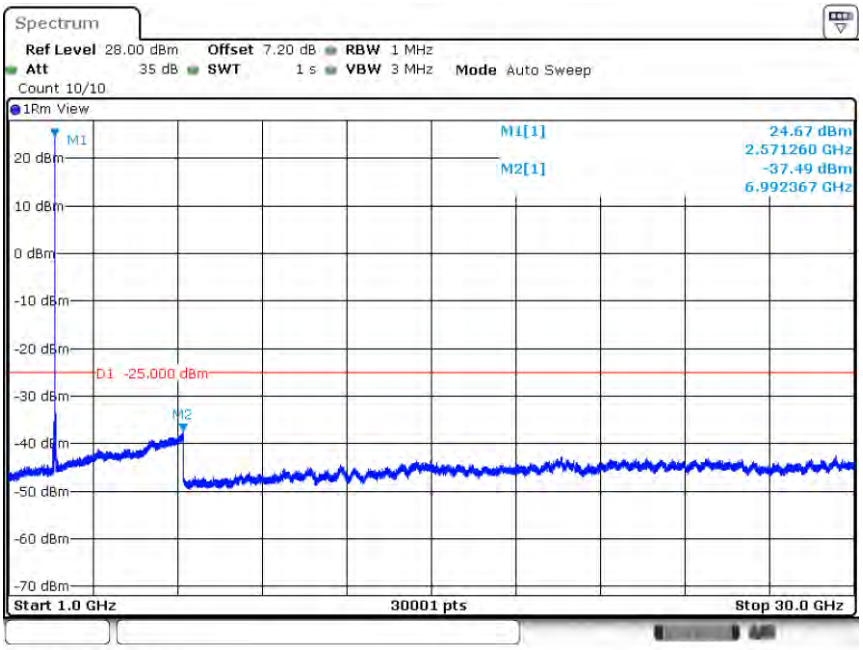
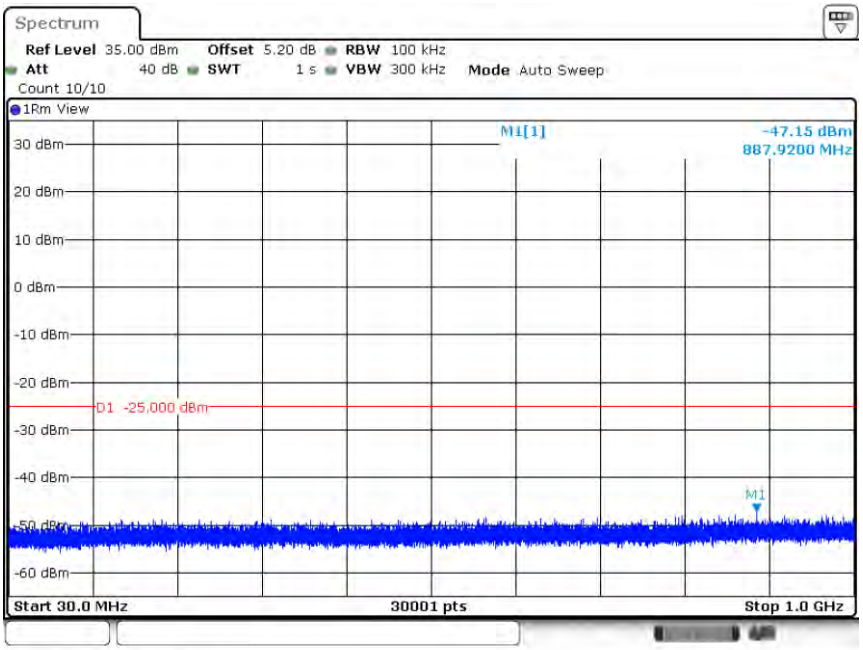
Band38-20MHz-16QAM-37850-1RB#0-Range2:1000~30000MHz



Date: 14.APR.2021 02:14:28

Band38-20MHz-16QAM-38000-1RB#0-Range1:30~1000MHz



Date: 14.APR.2021 02:15:22

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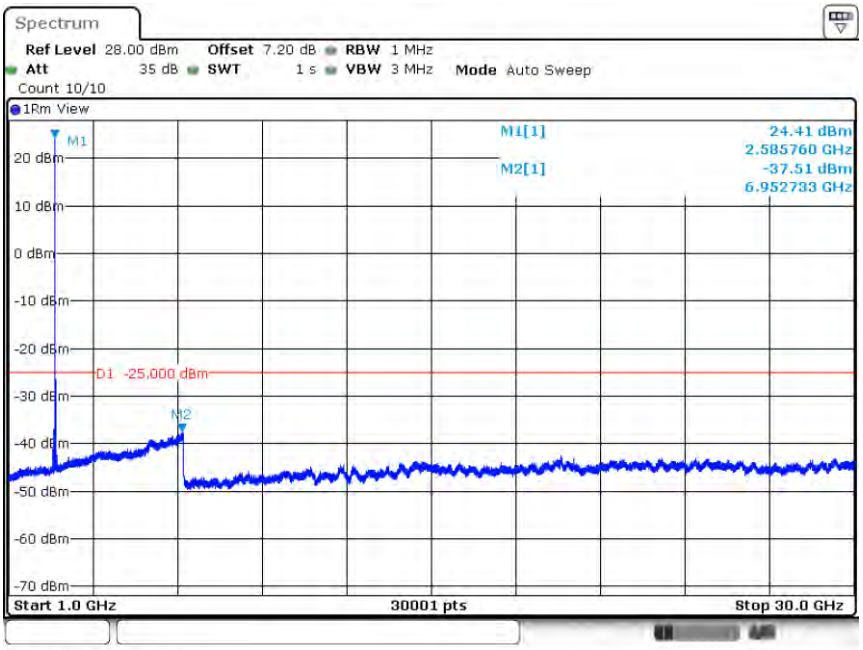
Band38-20MHz-16QAM-38000-1RB#0-Range2:1000~30000MHz



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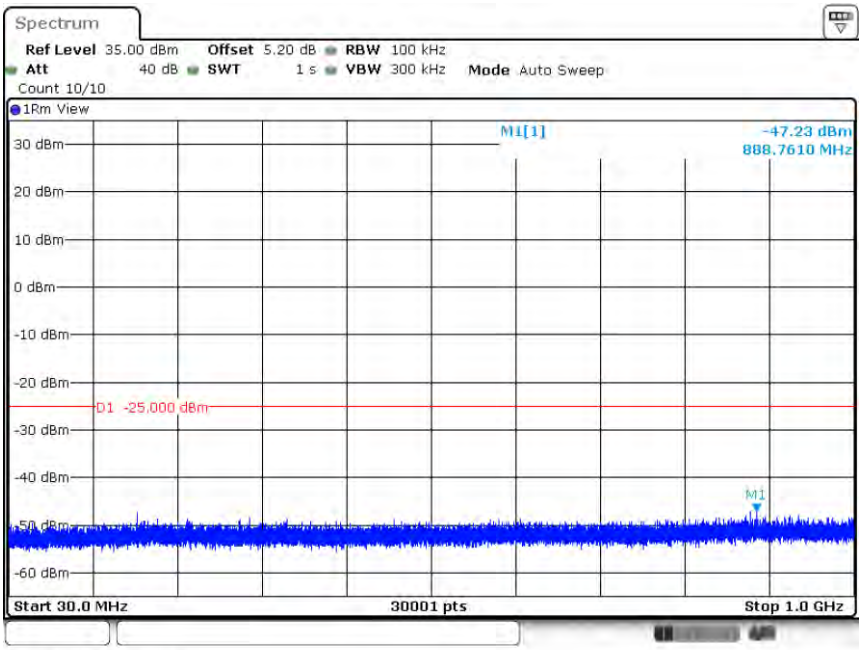
Band38-20MHz-16QAM-38150-1RB#0-Range1:30~1000MHz



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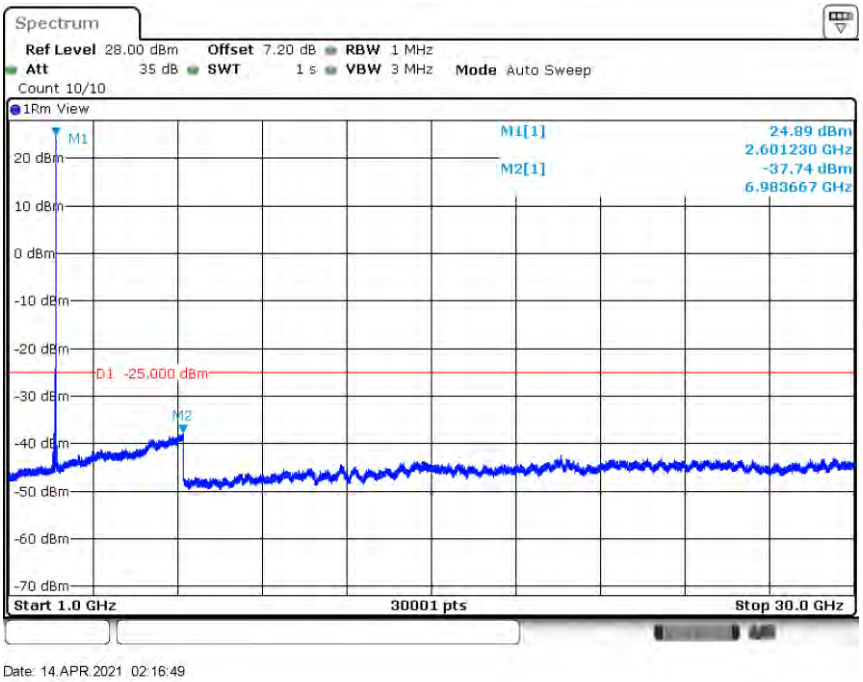
Band38-20MHz-16QAM-38150-1RB#0-Range2:1000~30000MHz



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7. Field Strength of Spurious Radiation

7.1. Test Band LTE_Band38 _TM1 ANT13

7.1.1. Test Channel Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	41.8840	-79.51	-48.83	-25.00	23.83	Horizontal
2	234.4531	-78.49	-53.68	-25.00	28.68	Horizontal
3	573.0254	-78.29	-51.65	-25.00	26.65	Horizontal
4	5262.5000	-47.67	-46.87	-25.00	21.87	Horizontal
5	9393.5000	-49.92	-43.38	-25.00	18.38	Horizontal
6	16971.500	-51.09	-34.98	-25.00	9.98	Horizontal

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7.2. Test Band LTE_Band38 _TM1 ANT13

7.2.1. Test Channel Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	46.0070	-79.72	-58.01	-25.00	33.01	Vertical
2	110.3988	-79.74	-50.36	-25.00	25.36	Vertical
3	615.9532	-77.78	-50.85	-25.00	25.85	Vertical
4	5185.5000	-46.74	-47.87	-25.00	22.87	Vertical
5	15031.000	-52.04	-39.19	-25.00	14.19	Vertical
6	17980.500	-50.84	-31.35	-25.00	6.35	Vertical

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7.3. Test Band LTE_Band38 _TM1 ANT13

7.3.1. Test Channel Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.1880	-79.53	-48.76	-25.00	23.76	Horizontal
2	240.3950	-77.59	-52.82	-25.00	27.82	Horizontal
3	608.5561	-78.07	-51.00	-25.00	26.00	Horizontal
4	5311.0000	-47.76	-46.31	-25.00	21.31	Horizontal
5	9612.5000	-50.58	-44.00	-25.00	19.00	Horizontal
6	16427.500	-50.47	-35.71	-25.00	10.71	Horizontal

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7.4. Test Band LTE_Band38 _TM1 ANT13

7.4.1. Test Channel Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	45.5219	-78.89	-57.28	-25.00	32.28	Vertical
2	110.0350	-79.60	-50.18	-25.00	25.18	Vertical
3	5102.5000	-47.40	-48.72	-25.00	23.72	Vertical
4	8870.0000	-49.04	-44.94	-25.00	19.94	Vertical
5	14293.000	-52.16	-38.35	-25.00	13.35	Vertical
6	17972.000	-50.58	-31.07	-25.00	6.07	Vertical

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7.5. Test Band LTE_Band38 _TM1 ANT13

7.5.1. Test Channel High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.9156	-79.71	-48.91	-25.00	23.91	Horizontal
2	225.6007	-78.35	-54.24	-25.00	29.24	Horizontal
3	623.7142	-78.02	-50.97	-25.00	25.97	Horizontal
4	5317.0000	-48.57	-47.21	-25.00	22.21	Horizontal
5	9597.5000	-50.06	-43.57	-25.00	18.57	Horizontal
6	16703.000	-50.58	-36.48	-25.00	11.48	Horizontal

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7.6. Test Band LTE_Band38 _TM1 ANT13

7.6.1. Test Channel High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	109.5499	-79.08	-49.76	-25.00	24.76	Vertical
2	600.4313	-78.10	-51.02	-25.00	26.02	Vertical
3	5278.0000	-47.77	-47.12	-25.00	22.12	Vertical
4	9257.0000	-50.68	-43.69	-25.00	18.69	Vertical
5	14528.500	-50.95	-36.92	-25.00	11.92	Vertical
6	17933.000	-51.46	-32.26	-25.00	7.26	Vertical

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7.7. Test Band LTE_Band38 _TM1 ANT31

7.7.1. Test Channel Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.4507	-90.83	-58.42	-25.00	33.42	Horizontal
2	249.0260	-88.58	-60.58	-25.00	35.58	Horizontal
3	1318.3327	-69.15	-50.03	-25.00	25.03	Horizontal
4	5292.6917	-55.04	-53.59	-25.00	28.59	Horizontal
5	16400.936	-59.19	-43.33	-25.00	18.33	Horizontal
6	17987.399	-58.68	-43.95	-25.00	18.95	Horizontal

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7.8. Test Band LTE_Band38 _TM1 ANT31

7.8.1. Test Channel Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	108.6347	-89.34	-57.74	-25.00	32.74	Vertical
2	597.1913	-89.35	-57.87	-25.00	32.87	Vertical
3	1495.4598	-68.67	-48.75	-25.00	23.75	Vertical
4	5292.0917	-54.72	-53.80	-25.00	28.80	Vertical
5	14962.078	-58.81	-45.62	-25.00	20.62	Vertical
6	17987.999	-58.36	-38.89	-25.00	13.89	Vertical

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7.9. Test Band LTE_Band38 _TM1 ANT31

7.9.1. Test Channel Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	42.2867	-89.19	-56.82	-25.00	31.82	Horizontal
2	237.9680	-90.01	-61.62	-25.00	36.62	Horizontal
3	1431.9373	-68.64	-49.10	-25.00	24.10	Horizontal
4	5299.2920	-54.95	-53.36	-25.00	28.36	Horizontal
5	16389.535	-58.83	-43.36	-25.00	18.36	Horizontal
6	17993.399	-58.50	-43.78	-25.00	18.78	Horizontal

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7.10. Test Band LTE_Band38 _TM1 ANT31

7.10.1. Test Channel Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	109.2813	-90.36	-58.60	-25.00	33.60	Vertical
2	512.8013	-89.65	-60.34	-25.00	35.34	Vertical
3	1478.7392	-68.95	-49.14	-25.00	24.14	Vertical
4	5332.8933	-54.46	-53.83	-25.00	28.83	Vertical
5	14807.272	-59.99	-46.11	-25.00	21.11	Vertical
6	17980.799	-58.50	-39.01	-25.00	14.01	Vertical

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7.11. Test Band LTE_Band38 _TM1 ANT31

7.11.1. Test Channel High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.1620	-90.49	-58.06	-25.00	33.06	Horizontal
2	232.2773	-90.10	-61.64	-25.00	36.64	Horizontal
3	1658.5063	-67.78	-48.88	-25.00	23.88	Horizontal
4	5202.0881	-52.69	-53.32	-25.00	28.32	Horizontal
5	10388.695	-50.78	-42.60	-25.00	17.60	Horizontal
6	17006.960	-59.65	-43.45	-25.00	18.45	Horizontal

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7.12. Test Band LTE_Band38 _TM1 ANT31

7.12.1. Test Channel High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	106.3713	-89.62	-58.58	-25.00	33.58	Vertical
2	575.4633	-89.80	-59.37	-25.00	34.37	Vertical
3	1490.8196	-68.85	-48.96	-25.00	23.96	Vertical
4	5317.8927	-54.63	-53.80	-25.00	28.80	Vertical
5	14778.4711	-59.70	-46.34	-25.00	21.34	Vertical
6	17993.999	-58.84	-39.38	-25.00	14.38	Vertical

Remark:

1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.

2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.

3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.

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8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	VL	NT	9.10	0.003527	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VN	NT	9.60	0.003721	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VH	NT	23.20	0.008992	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	11.90	0.004586	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	13.00	0.005010	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	14.20	0.005472	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VL	NT	8.40	0.003218	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VN	NT	6.80	0.002605	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VH	NT	6.30	0.002414	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VL	NT	12.30	0.004767	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VN	NT	13.10	0.005078	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VH	NT	8.60	0.003333	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VL	NT	8.10	0.003121	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VN	NT	13.00	0.005010	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VH	NT	8.60	0.003314	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VL	NT	6.90	0.002644	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VN	NT	13.60	0.005211	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VH	NT	9.40	0.003602	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VL	NT	6.40	0.002481	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VN	NT	3.10	0.001202	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VH	NT	7.30	0.002829	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VL	NT	10.40	0.004008	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VN	NT	10.60	0.004085	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VH	NT	12.70	0.004894	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VL	NT	12.90	0.004943	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VN	NT	10.10	0.003870	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VH	NT	11.00	0.004215	±2.5	PASS

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8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	NV	-30	11.70	0.004535	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-20	7.90	0.003062	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-10	13.10	0.005078	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	0	13.80	0.005349	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	10	11.20	0.004341	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	20	10.40	0.004031	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	30	9.30	0.003605	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	40	4.60	0.001783	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	50	-10.70	-0.004147	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	8.60	0.003314	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	10.80	0.004162	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-10	9.40	0.003622	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	4.00	0.001541	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	11.30	0.004355	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	10.70	0.004123	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	11.00	0.004239	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	6.90	0.002659	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	6.80	0.002620	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-30	7.20	0.002759	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-20	7.40	0.002835	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-10	8.20	0.003142	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	0	4.60	0.001762	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	10	7.10	0.002720	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	20	8.20	0.003142	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	30	9.50	0.003640	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	40	11.00	0.004215	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	50	9.80	0.003755	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-30	11.90	0.004612	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-20	7.90	0.003062	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-10	6.10	0.002364	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	0	10.30	0.003992	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	10	10.10	0.003915	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	20	9.20	0.003566	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	30	11.10	0.004302	±2.5	PASS

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Band38	20MHz	64QAM	37850	100RB#0	NV	40	10.70	0.004147	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	50	8.30	0.003217	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-30	6.90	0.002659	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-20	11.00	0.004239	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-10	7.50	0.002890	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	0	9.00	0.003468	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	10	11.30	0.004355	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	20	11.30	0.004355	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	30	10.30	0.003969	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	40	11.80	0.004547	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	50	13.80	0.005318	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-30	13.00	0.004981	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-20	8.20	0.003142	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-10	15.20	0.005824	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	0	12.40	0.004751	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	10	8.90	0.003410	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	20	11.90	0.004559	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	30	10.10	0.003870	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	40	11.40	0.004368	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	50	12.70	0.004866	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-30	5.60	0.002171	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-20	7.40	0.002868	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-10	6.40	0.002481	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	0	7.50	0.002907	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	10	11.60	0.004496	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	20	13.10	0.005078	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	30	10.40	0.004031	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	40	11.50	0.004457	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	50	8.00	0.003101	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-30	4.00	0.001541	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-20	10.80	0.004162	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-10	12.00	0.004624	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	0	11.40	0.004393	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	10	6.40	0.002466	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	20	10.60	0.004085	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	30	6.50	0.002505	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	40	8.60	0.003314	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	50	11.40	0.004393	±2.5	PASS

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Band38	20MHz	16QAM	38150	100RB#0	NV	-30	12.30	0.004713	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-20	6.10	0.002337	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-10	11.30	0.004330	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	0	11.50	0.004406	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	10	6.10	0.002337	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	20	10.90	0.004176	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	30	10.30	0.003946	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	40	10.80	0.004138	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	50	9.60	0.003678	±2.5	PASS

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