



Appendix B

E-UTRA Band 38



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Shenzhen Branch (SGS-CSTC) Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



8.2. FREQUENCY VS TEMPERATURE77



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	EIRP (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	22.64	22.82	33	PASS
Band38	5MHz	QPSK	37775	1RB#12	23.22	23.40	33	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.75	22.93	33	PASS
Band38	5MHz	QPSK	37775	12RB#6	21.89	22.07	33	PASS
Band38	5MHz	QPSK	37775	12RB#0	21.91	22.09	33	PASS
Band38	5MHz	QPSK	37775	12RB#13	21.85	22.03	33	PASS
Band38	5MHz	QPSK	37775	25RB#0	21.88	22.06	33	PASS
Band38	5MHz	QPSK	38000	1RB#24	22.58	22.76	33	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.69	22.87	33	PASS
Band38	5MHz	QPSK	38000	1RB#12	23.10	23.28	33	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.85	22.03	33	PASS
Band38	5MHz	QPSK	38000	12RB#6	21.83	22.01	33	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.77	21.95	33	PASS
Band38	5MHz	QPSK	38000	25RB#0	21.80	21.98	33	PASS
Band38	5MHz	QPSK	38225	1RB#12	23.07	23.25	33	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.51	22.69	33	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.41	22.59	33	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.70	21.88	33	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.68	21.86	33	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.75	21.93	33	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.76	21.94	33	PASS
Band38	5MHz	64QAM	37775	1RB#0	20.92	21.10	33	PASS
Band38	5MHz	64QAM	37775	1RB#24	20.79	20.97	33	PASS
Band38	5MHz	64QAM	37775	1RB#12	21.47	21.65	33	PASS
Band38	5MHz	64QAM	37775	12RB#0	20.37	20.55	33	PASS
Band38	5MHz	64QAM	37775	12RB#6	20.32	20.50	33	PASS
Band38	5MHz	64QAM	37775	12RB#13	20.32	20.50	33	PASS



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Shenzhen Branch Inspection & Testing Services Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
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Band38	5MHz	64QAM	37775	25RB#0	20.37	20.55	33	PASS
Band38	5MHz	64QAM	38000	1RB#0	20.89	21.07	33	PASS
Band38	5MHz	64QAM	38000	1RB#12	21.36	21.54	33	PASS
Band38	5MHz	64QAM	38000	1RB#24	20.78	20.96	33	PASS
Band38	5MHz	64QAM	38000	12RB#13	20.37	20.55	33	PASS
Band38	5MHz	64QAM	38000	12RB#6	20.31	20.49	33	PASS
Band38	5MHz	64QAM	38000	12RB#0	20.36	20.54	33	PASS
Band38	5MHz	64QAM	38000	25RB#0	20.31	20.49	33	PASS
Band38	5MHz	64QAM	38225	1RB#0	20.76	20.94	33	PASS
Band38	5MHz	64QAM	38225	1RB#12	21.11	21.29	33	PASS
Band38	5MHz	64QAM	38225	1RB#24	20.66	20.84	33	PASS
Band38	5MHz	64QAM	38225	12RB#0	20.36	20.54	33	PASS
Band38	5MHz	64QAM	38225	12RB#6	20.35	20.53	33	PASS
Band38	5MHz	64QAM	38225	12RB#13	20.38	20.56	33	PASS
Band38	5MHz	64QAM	38225	25RB#0	20.37	20.55	33	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.48	21.66	33	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.30	21.48	33	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.33	21.51	33	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.93	21.11	33	PASS
Band38	5MHz	16QAM	37775	12RB#6	21.00	21.18	33	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.93	21.11	33	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.92	21.10	33	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.30	21.48	33	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.31	21.49	33	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.19	21.37	33	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.87	21.05	33	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.93	21.11	33	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.82	21.00	33	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.83	21.01	33	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.13	21.31	33	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.21	21.39	33	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.52	21.70	33	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.70	20.88	33	PASS



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Band38	5MHz	16QAM	38225	12RB#6	20.71	20.89	33	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.63	20.81	33	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.80	20.98	33	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.51	22.69	33	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.23	23.41	33	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.78	22.96	33	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.90	22.08	33	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.95	22.13	33	PASS
Band38	10MHz	QPSK	37800	25RB#25	21.77	21.95	33	PASS
Band38	10MHz	QPSK	37800	50RB#0	21.83	22.01	33	PASS
Band38	10MHz	QPSK	38000	1RB#24	23.17	23.35	33	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.65	22.83	33	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.80	22.98	33	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.74	21.92	33	PASS
Band38	10MHz	QPSK	38000	25RB#0	21.98	22.16	33	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.88	22.06	33	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.82	22.00	33	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.49	22.67	33	PASS
Band38	10MHz	QPSK	38200	1RB#24	23.12	23.30	33	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.64	22.82	33	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.60	21.78	33	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.75	21.93	33	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.69	21.87	33	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.59	21.77	33	PASS
Band38	10MHz	64QAM	37800	1RB#24	21.33	21.51	33	PASS
Band38	10MHz	64QAM	37800	1RB#49	20.74	20.92	33	PASS
Band38	10MHz	64QAM	37800	1RB#0	20.97	21.15	33	PASS
Band38	10MHz	64QAM	37800	25RB#0	20.30	20.48	33	PASS
Band38	10MHz	64QAM	37800	25RB#12	20.37	20.55	33	PASS
Band38	10MHz	64QAM	37800	25RB#25	20.33	20.51	33	PASS
Band38	10MHz	64QAM	37800	50RB#0	20.35	20.53	33	PASS
Band38	10MHz	64QAM	38000	1RB#49	20.77	20.95	33	PASS
Band38	10MHz	64QAM	38000	1RB#0	21.01	21.19	33	PASS



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Band38	10MHz	64QAM	38000	1RB#24	21.23	21.41	33	PASS
Band38	10MHz	64QAM	38000	25RB#0	20.33	20.51	33	PASS
Band38	10MHz	64QAM	38000	25RB#12	20.36	20.54	33	PASS
Band38	10MHz	64QAM	38000	25RB#25	20.33	20.51	33	PASS
Band38	10MHz	64QAM	38000	50RB#0	20.38	20.56	33	PASS
Band38	10MHz	64QAM	38200	1RB#0	20.85	21.03	33	PASS
Band38	10MHz	64QAM	38200	1RB#49	20.65	20.83	33	PASS
Band38	10MHz	64QAM	38200	1RB#24	21.14	21.32	33	PASS
Band38	10MHz	64QAM	38200	25RB#25	20.39	20.57	33	PASS
Band38	10MHz	64QAM	38200	25RB#0	20.37	20.55	33	PASS
Band38	10MHz	64QAM	38200	25RB#12	20.35	20.53	33	PASS
Band38	10MHz	64QAM	38200	50RB#0	20.31	20.49	33	PASS
Band38	10MHz	16QAM	37800	1RB#0	21.43	21.61	33	PASS
Band38	10MHz	16QAM	37800	1RB#24	21.65	21.83	33	PASS
Band38	10MHz	16QAM	37800	1RB#49	21.42	21.60	33	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.90	21.08	33	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.90	21.08	33	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.90	21.08	33	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.86	21.04	33	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.54	21.72	33	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.28	21.46	33	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.60	21.78	33	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.85	21.03	33	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.82	21.00	33	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.85	21.03	33	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.79	20.97	33	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.42	21.60	33	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.14	21.32	33	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.53	21.71	33	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.69	20.87	33	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.68	20.86	33	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.73	20.91	33	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.60	20.78	33	PASS



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Band38	15MHz	QPSK	37825	1RB#74	22.49	22.67	33	PASS
Band38	15MHz	QPSK	37825	1RB#38	23.13	23.31	33	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.81	22.99	33	PASS
Band38	15MHz	QPSK	37825	36RB#39	21.76	21.94	33	PASS
Band38	15MHz	QPSK	37825	36RB#18	21.88	22.06	33	PASS
Band38	15MHz	QPSK	37825	36RB#0	21.95	22.13	33	PASS
Band38	15MHz	QPSK	37825	75RB#0	21.81	21.99	33	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.76	22.94	33	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.94	23.12	33	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.56	22.74	33	PASS
Band38	15MHz	QPSK	38000	36RB#0	21.99	22.17	33	PASS
Band38	15MHz	QPSK	38000	36RB#18	21.84	22.02	33	PASS
Band38	15MHz	QPSK	38000	36RB#39	21.72	21.90	33	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.77	21.95	33	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.60	22.78	33	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.77	22.95	33	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.41	22.59	33	PASS
Band38	15MHz	QPSK	38175	36RB#0	21.77	21.95	33	PASS
Band38	15MHz	QPSK	38175	36RB#18	21.70	21.88	33	PASS
Band38	15MHz	QPSK	38175	36RB#39	21.52	21.70	33	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.66	21.84	33	PASS
Band38	15MHz	64QAM	37825	1RB#74	20.68	20.86	33	PASS
Band38	15MHz	64QAM	37825	1RB#38	21.24	21.42	33	PASS
Band38	15MHz	64QAM	37825	1RB#0	20.99	21.17	33	PASS
Band38	15MHz	64QAM	37825	36RB#0	20.35	20.53	33	PASS
Band38	15MHz	64QAM	37825	36RB#18	20.31	20.49	33	PASS
Band38	15MHz	64QAM	37825	36RB#39	20.36	20.54	33	PASS
Band38	15MHz	64QAM	37825	75RB#0	20.30	20.48	33	PASS
Band38	15MHz	64QAM	38000	1RB#38	21.22	21.40	33	PASS
Band38	15MHz	64QAM	38000	1RB#74	20.75	20.93	33	PASS
Band38	15MHz	64QAM	38000	1RB#0	21.00	21.18	33	PASS
Band38	15MHz	64QAM	38000	36RB#39	20.39	20.57	33	PASS
Band38	15MHz	64QAM	38000	36RB#0	20.39	20.57	33	PASS



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Band38	15MHz	64QAM	38000	36RB#18	20.34	20.52	33	PASS
Band38	15MHz	64QAM	38000	75RB#0	20.36	20.54	33	PASS
Band38	15MHz	64QAM	38175	1RB#0	20.81	20.99	33	PASS
Band38	15MHz	64QAM	38175	1RB#38	20.99	21.17	33	PASS
Band38	15MHz	64QAM	38175	1RB#74	20.63	20.81	33	PASS
Band38	15MHz	64QAM	38175	36RB#18	20.31	20.49	33	PASS
Band38	15MHz	64QAM	38175	36RB#0	20.32	20.50	33	PASS
Band38	15MHz	64QAM	38175	36RB#39	20.39	20.57	33	PASS
Band38	15MHz	64QAM	38175	75RB#0	20.34	20.52	33	PASS
Band38	15MHz	16QAM	37825	1RB#38	21.25	21.43	33	PASS
Band38	15MHz	16QAM	37825	1RB#0	21.49	21.67	33	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.38	21.56	33	PASS
Band38	15MHz	16QAM	37825	36RB#0	20.92	21.10	33	PASS
Band38	15MHz	16QAM	37825	36RB#39	20.74	20.92	33	PASS
Band38	15MHz	16QAM	37825	36RB#18	21.00	21.18	33	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.87	21.05	33	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.41	21.59	33	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.42	21.60	33	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.52	21.70	33	PASS
Band38	15MHz	16QAM	38000	36RB#0	21.02	21.20	33	PASS
Band38	15MHz	16QAM	38000	36RB#18	20.76	20.94	33	PASS
Band38	15MHz	16QAM	38000	36RB#39	20.88	21.06	33	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.78	20.96	33	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.16	21.34	33	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.04	21.22	33	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.05	21.23	33	PASS
Band38	15MHz	16QAM	38175	36RB#0	20.64	20.82	33	PASS
Band38	15MHz	16QAM	38175	36RB#18	20.57	20.75	33	PASS
Band38	15MHz	16QAM	38175	36RB#39	20.55	20.73	33	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.66	20.84	33	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.60	22.78	33	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.33	23.51	33	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.54	22.72	33	PASS



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Band38	20MHz	QPSK	37850	50RB#25	21.92	22.10	33	PASS
Band38	20MHz	QPSK	37850	50RB#0	22.12	22.30	33	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.87	22.05	33	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.80	21.98	33	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.53	22.71	33	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.65	22.83	33	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.18	23.36	33	PASS
Band38	20MHz	QPSK	38000	50RB#0	22.05	22.23	33	PASS
Band38	20MHz	QPSK	38000	50RB#25	21.86	22.04	33	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.69	21.87	33	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.80	21.98	33	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.13	23.31	33	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.60	22.78	33	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.43	22.61	33	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.69	21.87	33	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.99	22.17	33	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.59	21.77	33	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.67	21.85	33	PASS
Band38	20MHz	64QAM	37850	1RB#0	20.78	20.96	33	PASS
Band38	20MHz	64QAM	37850	1RB#49	21.18	21.36	33	PASS
Band38	20MHz	64QAM	37850	1RB#99	20.71	20.89	33	PASS
Band38	20MHz	64QAM	37850	50RB#50	20.32	20.50	33	PASS
Band38	20MHz	64QAM	37850	50RB#0	20.39	20.57	33	PASS
Band38	20MHz	64QAM	37850	50RB#25	20.31	20.49	33	PASS
Band38	20MHz	64QAM	37850	100RB#0	20.33	20.51	33	PASS
Band38	20MHz	64QAM	38000	1RB#0	20.37	20.55	33	PASS
Band38	20MHz	64QAM	38000	1RB#49	21.18	21.36	33	PASS
Band38	20MHz	64QAM	38000	1RB#99	20.63	20.81	33	PASS
Band38	20MHz	64QAM	38000	50RB#0	20.33	20.51	33	PASS
Band38	20MHz	64QAM	38000	50RB#25	20.36	20.54	33	PASS
Band38	20MHz	64QAM	38000	50RB#50	20.32	20.50	33	PASS
Band38	20MHz	64QAM	38000	100RB#0	20.31	20.49	33	PASS
Band38	20MHz	64QAM	38150	1RB#99	20.53	20.71	33	PASS



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Band38	20MHz	64QAM	38150	1RB#0	20.71	20.89	33	PASS
Band38	20MHz	64QAM	38150	1RB#49	21.10	21.28	33	PASS
Band38	20MHz	64QAM	38150	50RB#0	20.36	20.54	33	PASS
Band38	20MHz	64QAM	38150	50RB#50	20.34	20.52	33	PASS
Band38	20MHz	64QAM	38150	50RB#25	20.37	20.55	33	PASS
Band38	20MHz	64QAM	38150	100RB#0	20.38	20.56	33	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.50	21.68	33	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.49	21.67	33	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.35	21.53	33	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.88	21.06	33	PASS
Band38	20MHz	16QAM	37850	50RB#25	20.81	20.99	33	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.82	21.00	33	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.83	21.01	33	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.54	21.72	33	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.35	21.53	33	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.52	21.70	33	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.81	20.99	33	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.78	20.96	33	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.72	20.90	33	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.75	20.93	33	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.33	21.51	33	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.21	21.39	33	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.53	21.71	33	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.53	20.71	33	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.65	20.83	33	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.71	20.89	33	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.61	20.79	33	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 [dBi]

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



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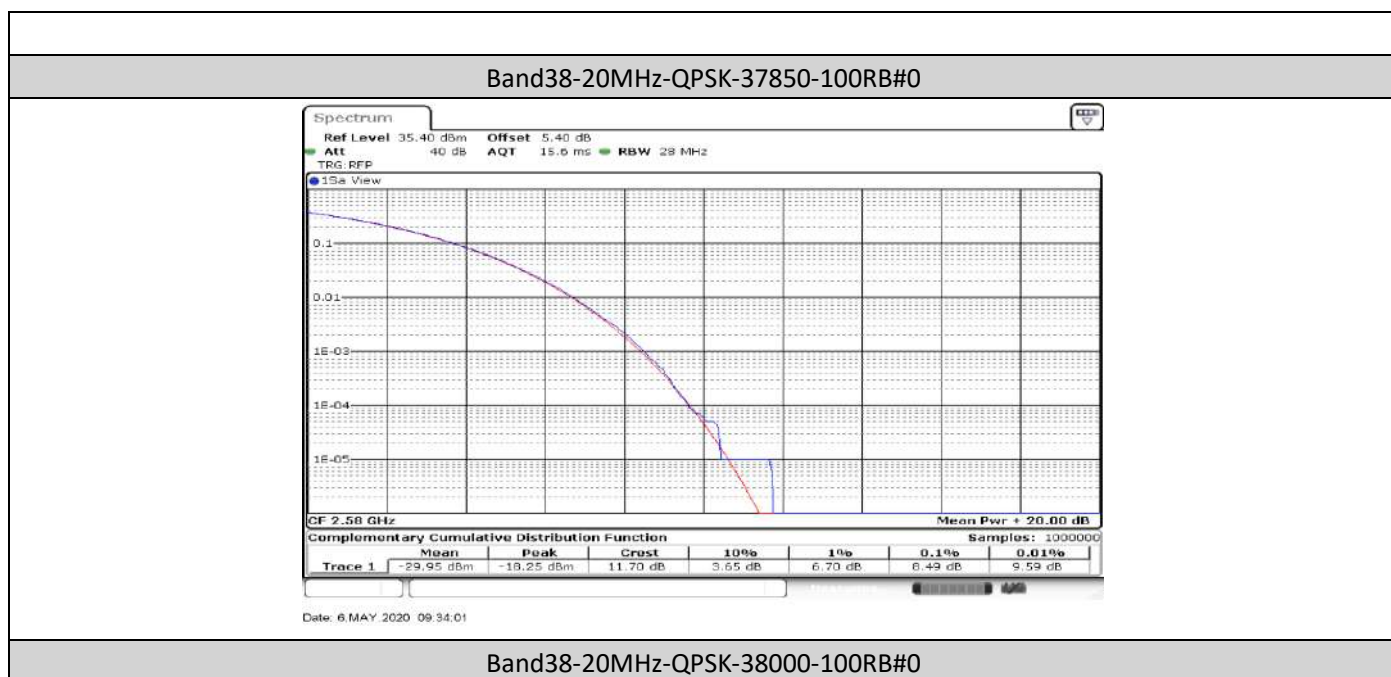


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	8.49	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	8.52	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	8.35	13	PASS
Band38	20MHz	64QAM	37850	100RB#0	12.09	13	PASS
Band38	20MHz	64QAM	38000	100RB#0	9.88	13	PASS
Band38	20MHz	64QAM	38150	100RB#0	7.54	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	10.78	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.57	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.57	13	PASS

2.2. Test Plots



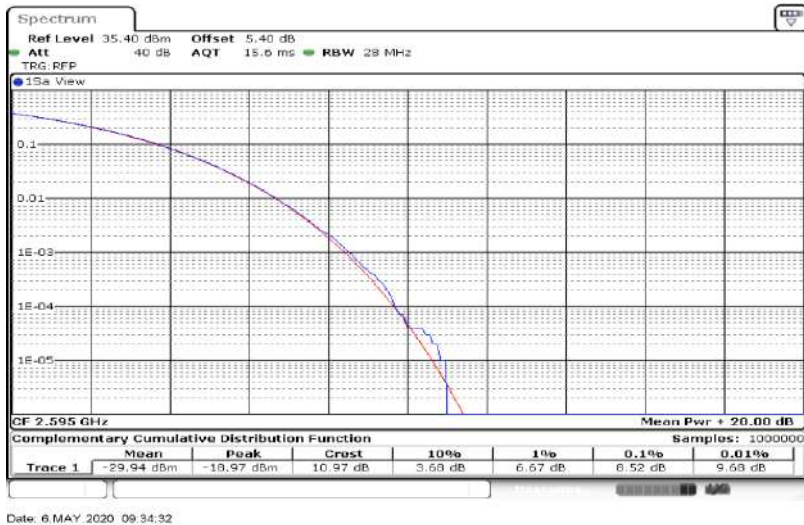
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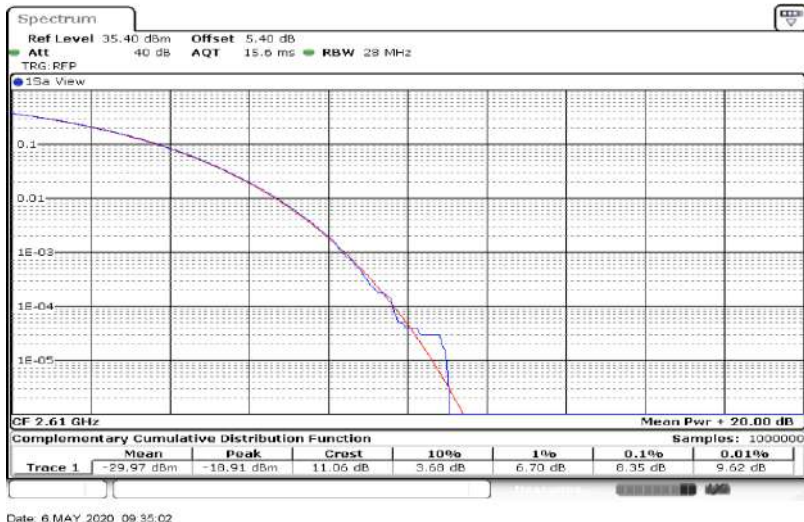
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Band38-20MHz-QPSK-38150-100RB#0



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



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



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



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



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





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



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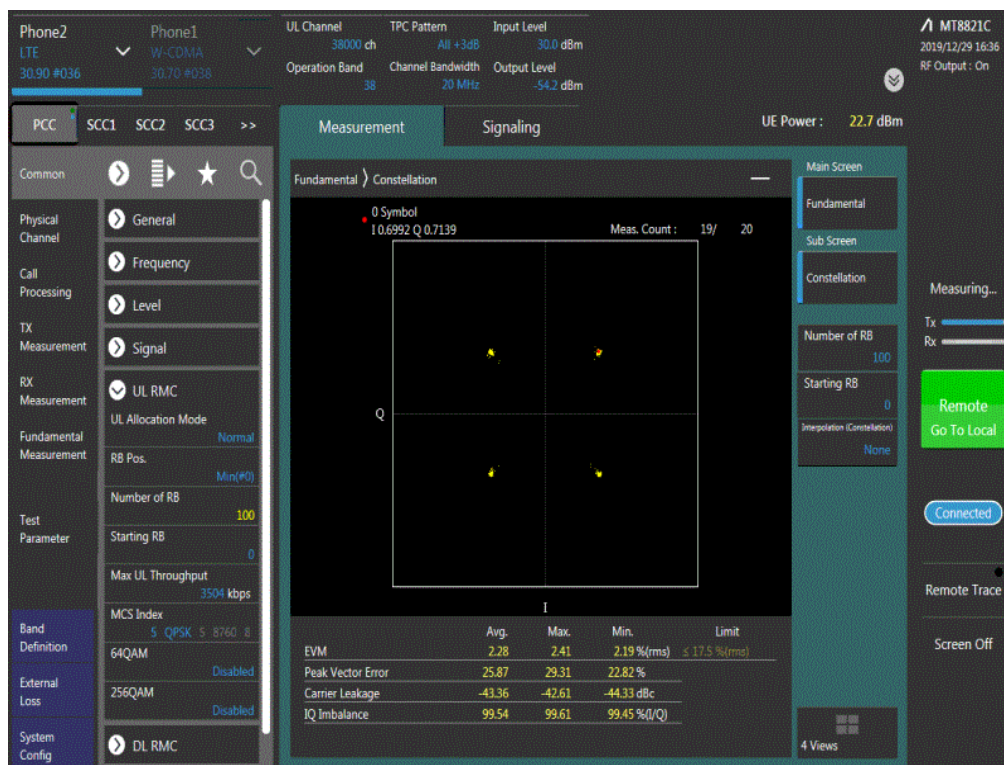
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH



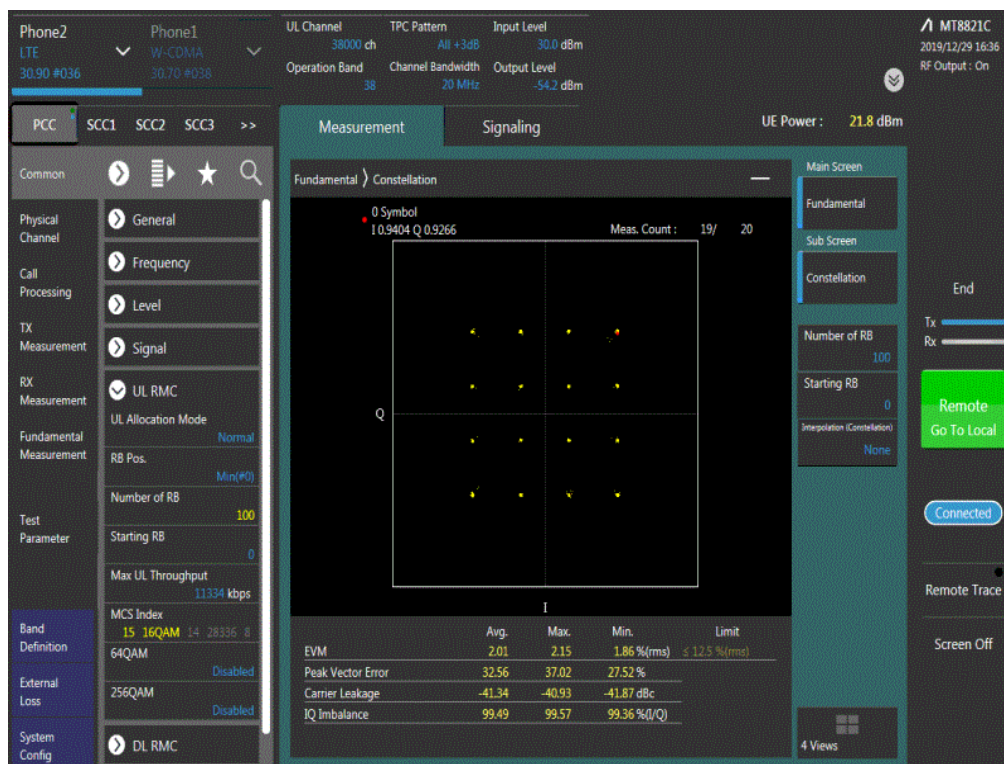
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3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH



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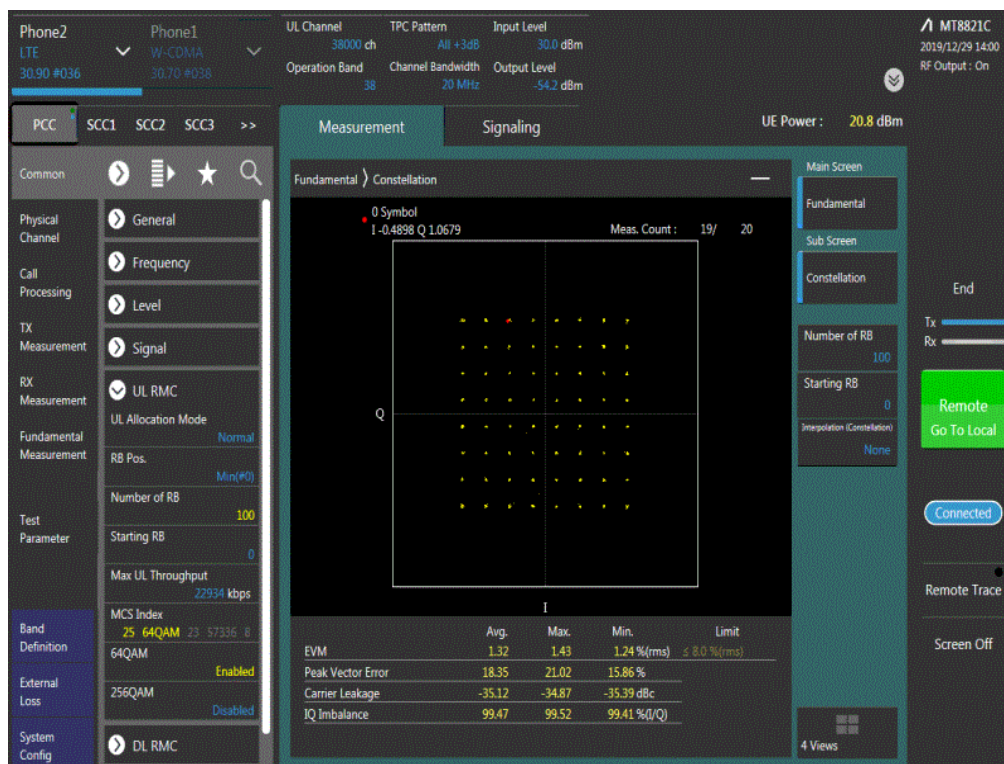
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3.3. Test Mode = LTE /TM3 20MHz

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	4.466	5.250	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.476	5.230	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.466	5.080	PASS
Band38	5MHz	64QAM	37775	25RB#0	4.466	5.200	PASS
Band38	5MHz	64QAM	38000	25RB#0	4.466	5.080	PASS
Band38	5MHz	64QAM	38225	25RB#0	4.466	4.950	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.486	4.950	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.486	4.930	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.476	4.920	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.891	9.940	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.891	10.040	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.891	9.940	PASS
Band38	10MHz	64QAM	37800	50RB#0	8.911	10.020	PASS
Band38	10MHz	64QAM	38000	50RB#0	8.911	9.980	PASS
Band38	10MHz	64QAM	38200	50RB#0	8.911	9.760	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.911	9.880	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.911	9.620	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.891	9.620	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.427	15.540	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.427	15.390	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.457	15.480	PASS
Band38	15MHz	64QAM	37825	75RB#0	13.397	15.120	PASS
Band38	15MHz	64QAM	38000	75RB#0	13.397	15.180	PASS
Band38	15MHz	64QAM	38175	75RB#0	13.397	14.910	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.427	15.300	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.397	15.180	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.397	15.330	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.902	19.920	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.862	19.720	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.902	19.720	PASS
Band38	20MHz	64QAM	37850	100RB#0	17.862	19.280	PASS



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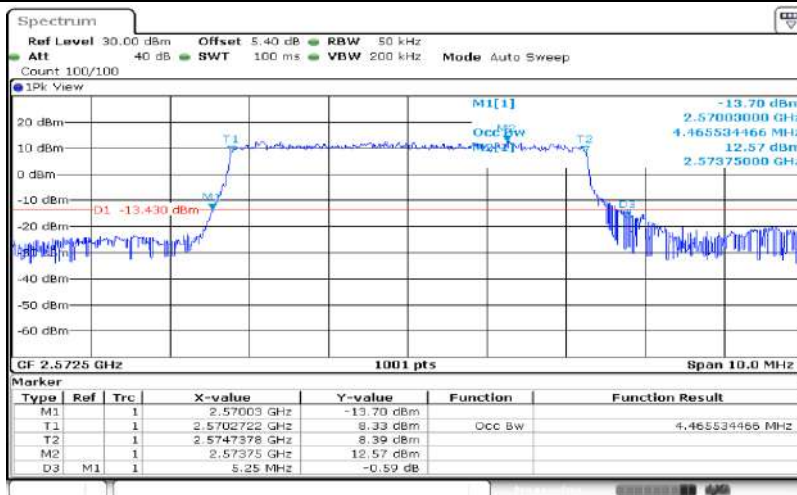
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Band38	20MHz	64QAM	38000	100RB#0	17.822	19.400	PASS
Band38	20MHz	64QAM	38150	100RB#0	17.822	19.280	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.862	19.320	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.862	19.240	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.822	19.320	PASS

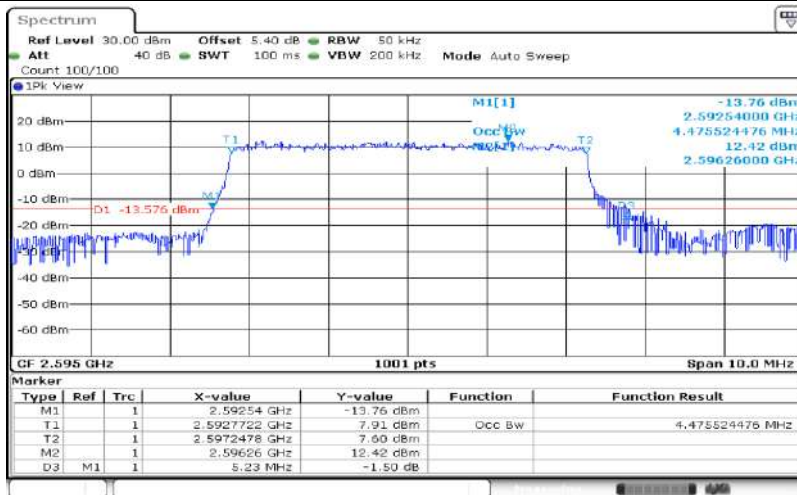
4.2. Test Plots

Band38-5MHz-QPSK-37775-25RB#0-4.466



Date: 5 APR 2020 06:26:04

Band38-5MHz-QPSK-38000-25RB#0-4.476



Date: 5 APR 2020 06:27:03

Band38-5MHz-QPSK-38225-25RB#0-4.466



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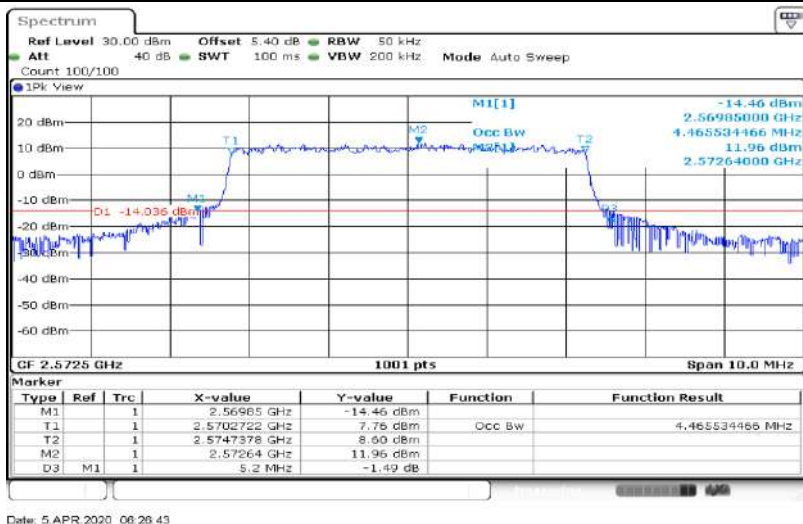
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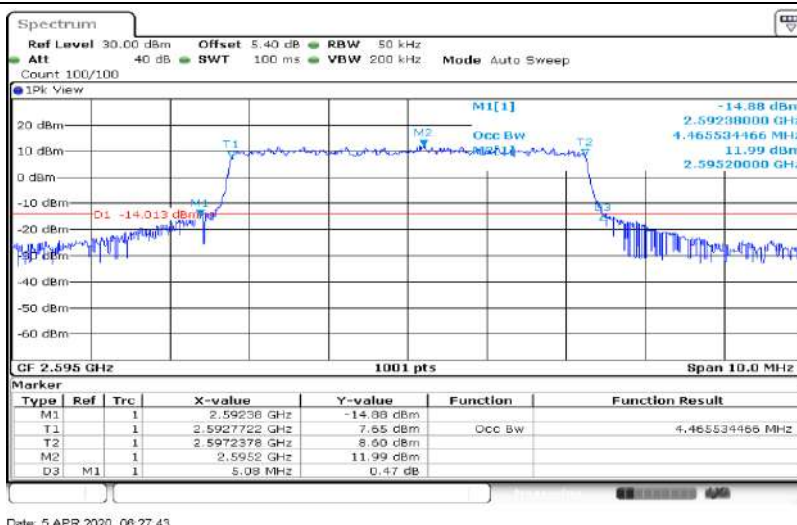


Band38-5MHz-64QAM-37775-25RB#0-4.466

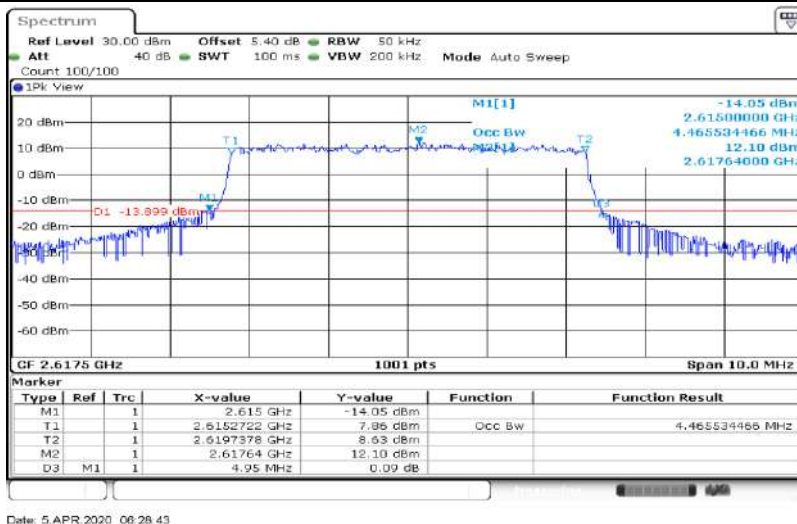


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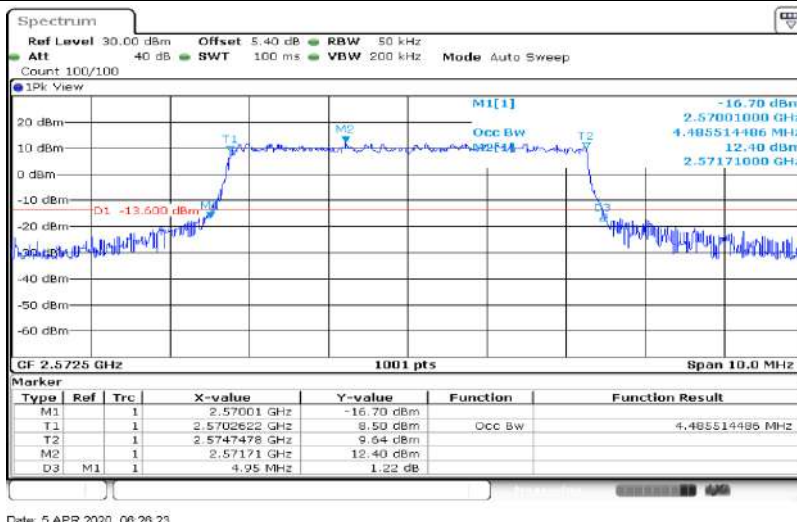


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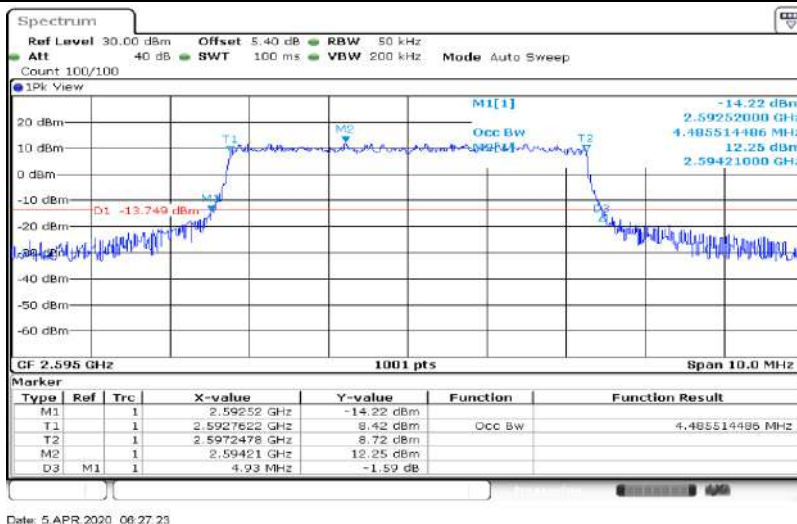


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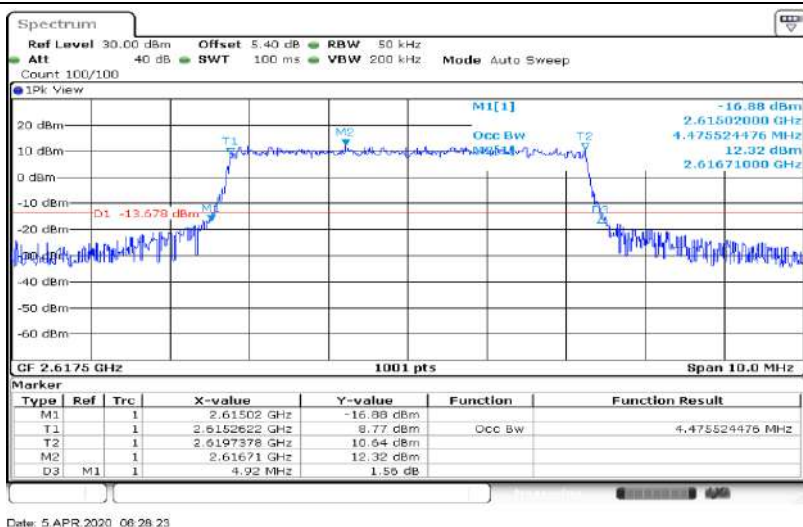


Band38-5MHz-16QAM-38000-25RB#0-4.486

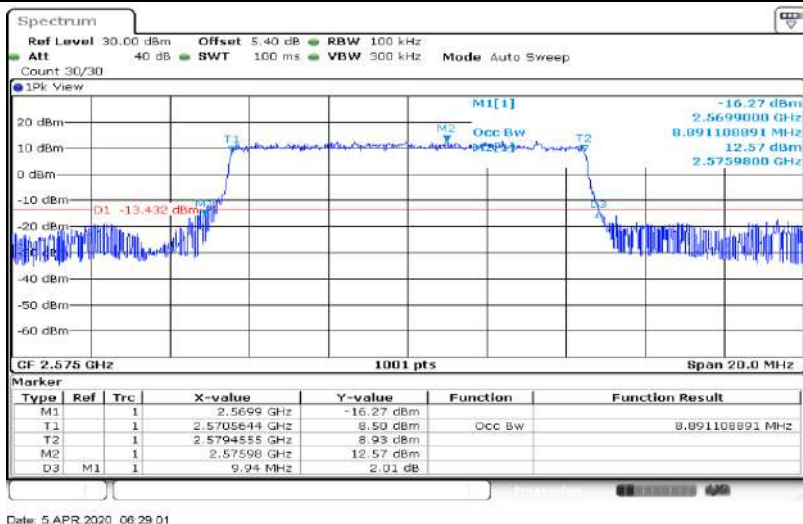


Band38-5MHz-16QAM-38225-25RB#0-4.476



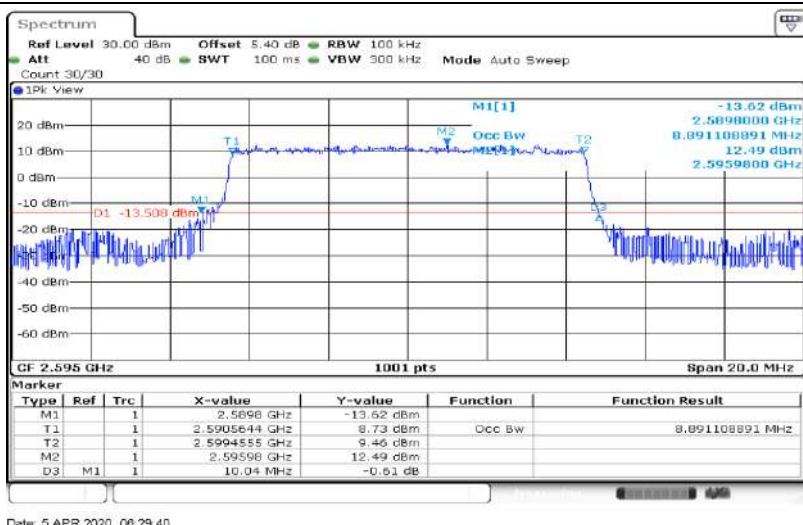


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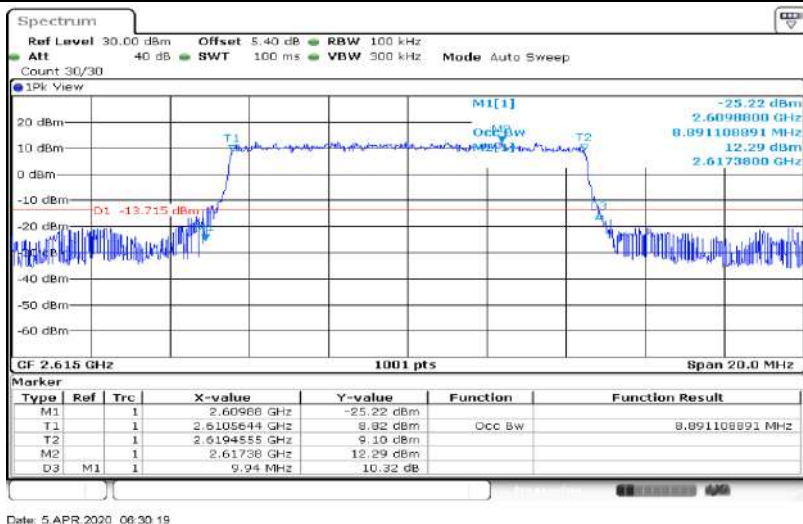


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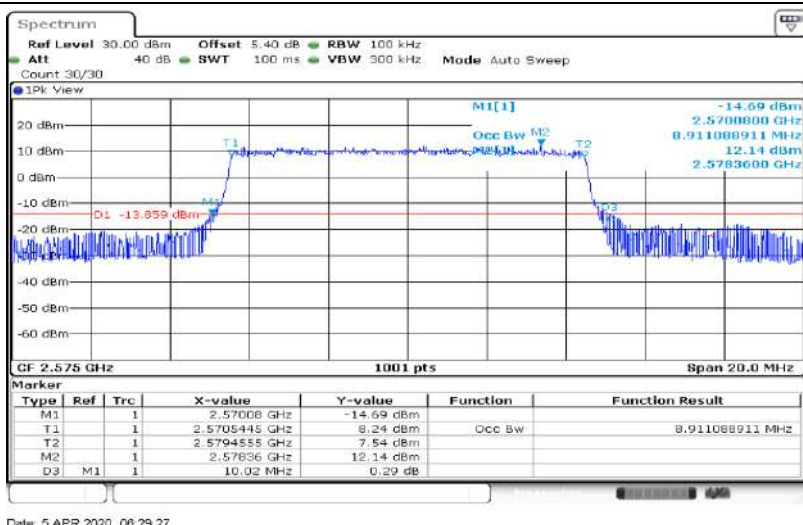


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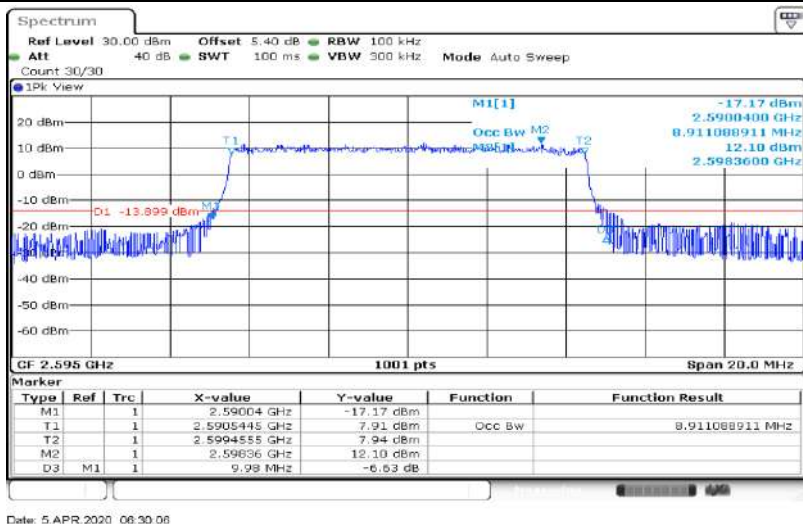


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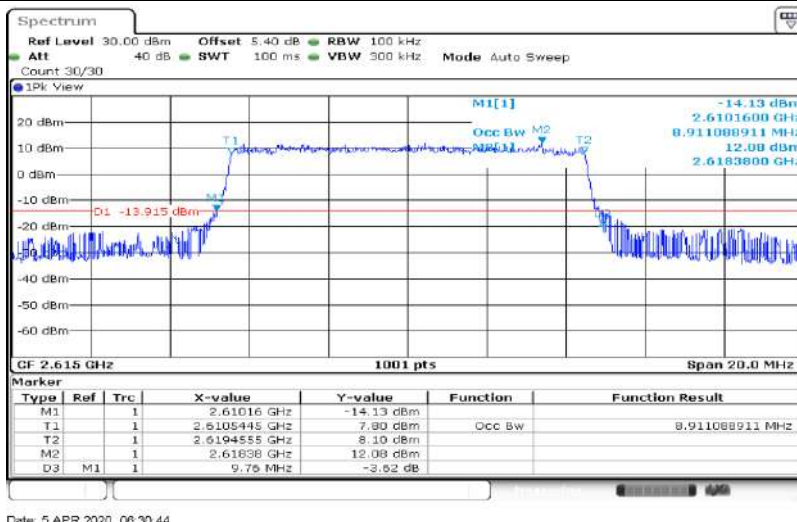


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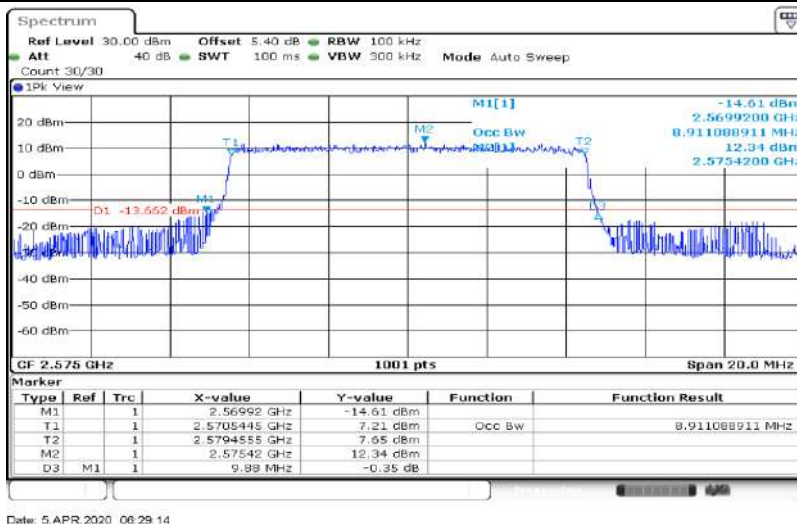


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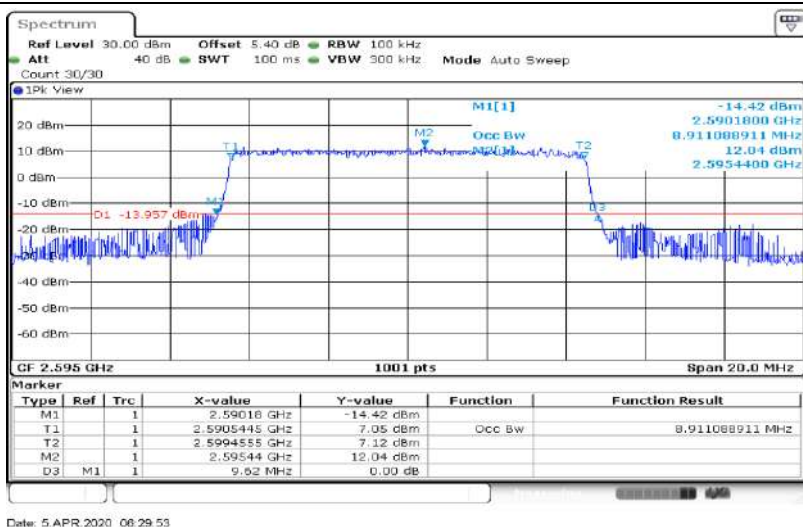


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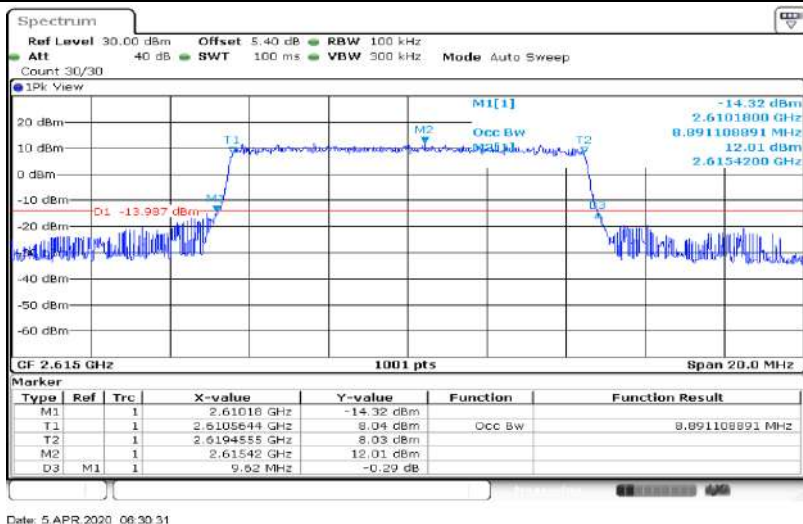


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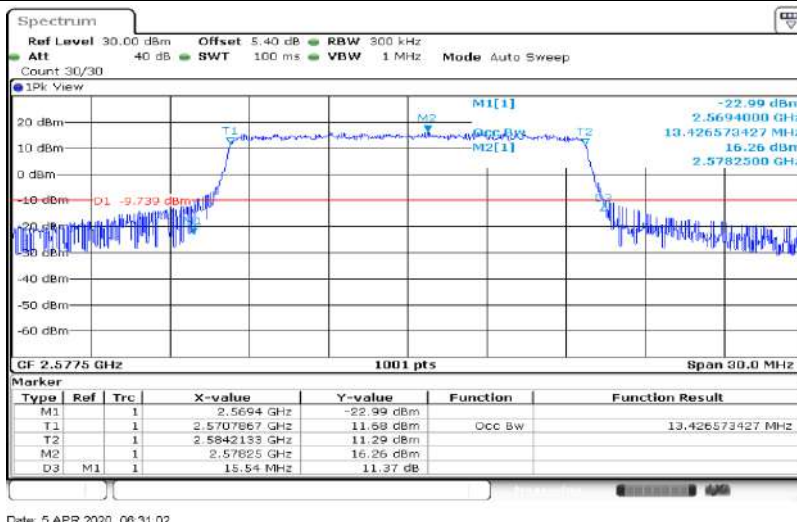


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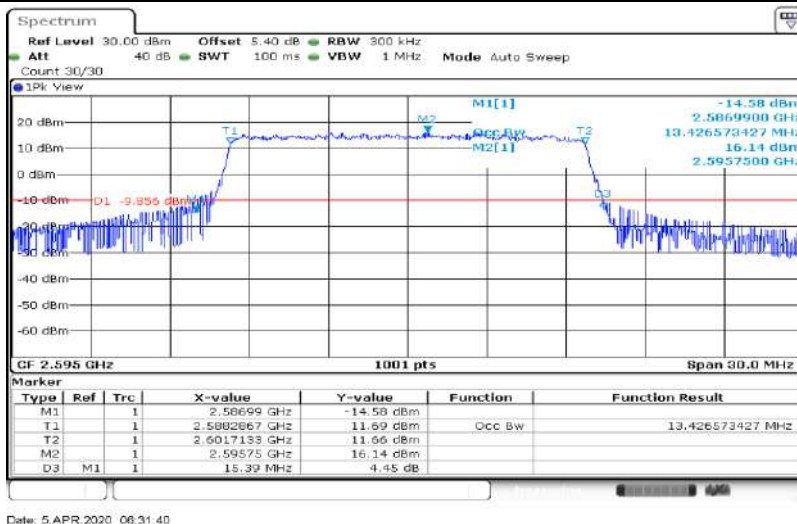


Band38-15MHz-QPSK-37825-75RB#0-13.427





Band38-15MHz-QPSK-38000-75RB#0-13.427



Band38-15MHz-QPSK-38175-75RB#0-13.457

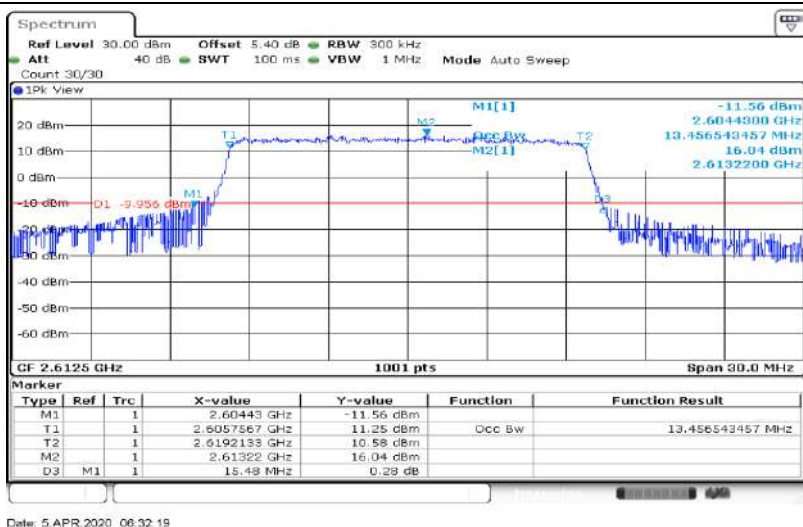


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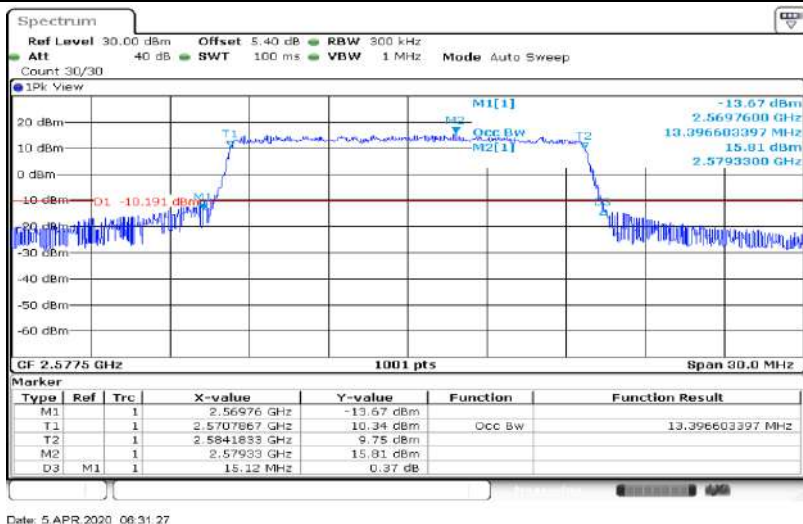
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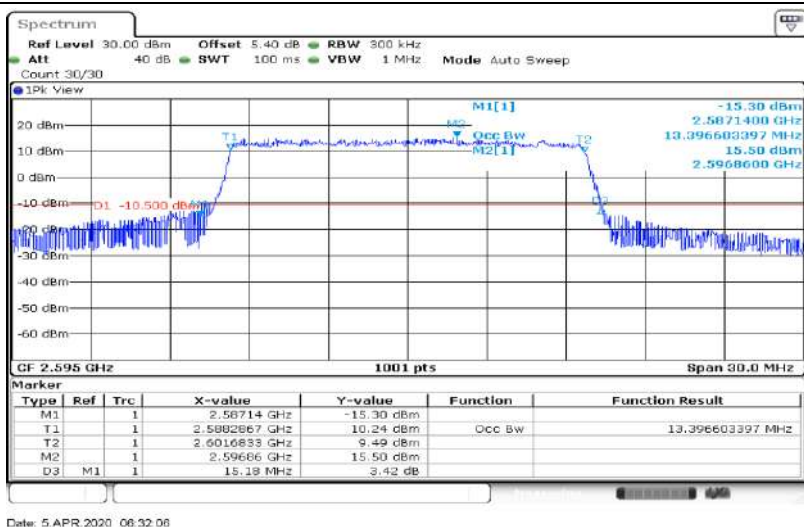


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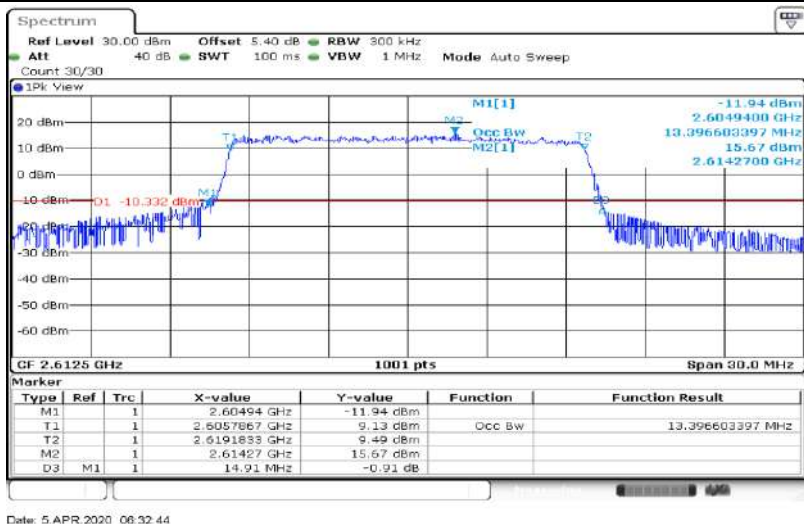


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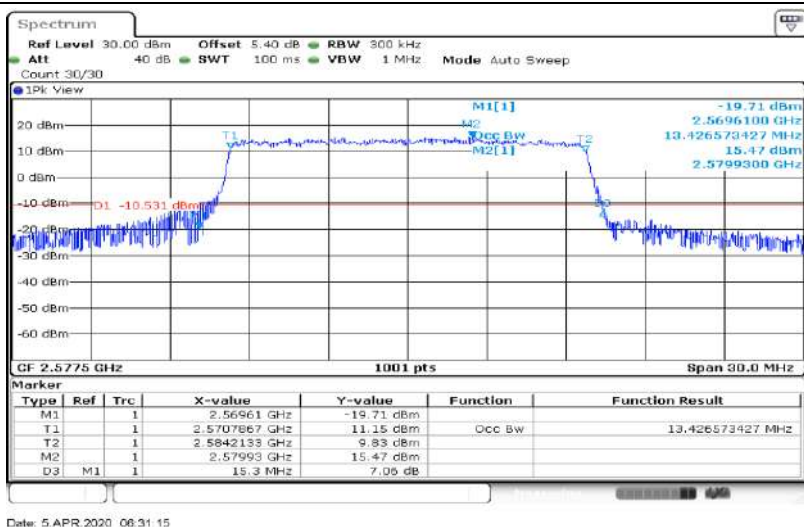


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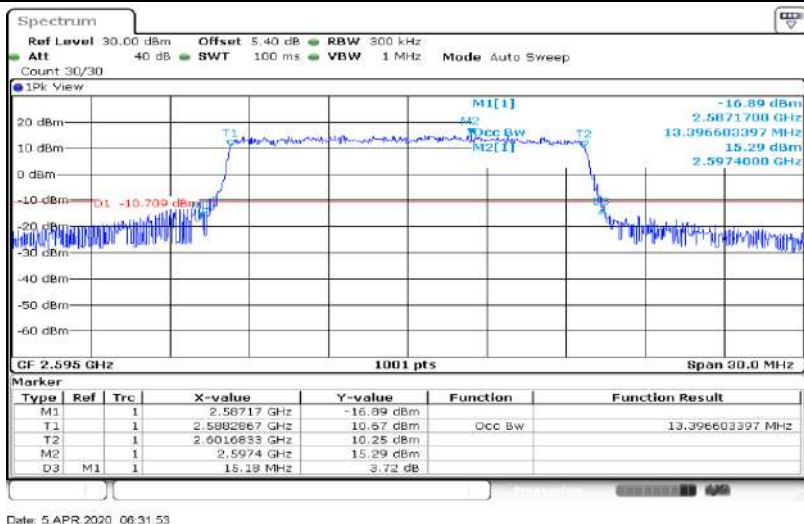


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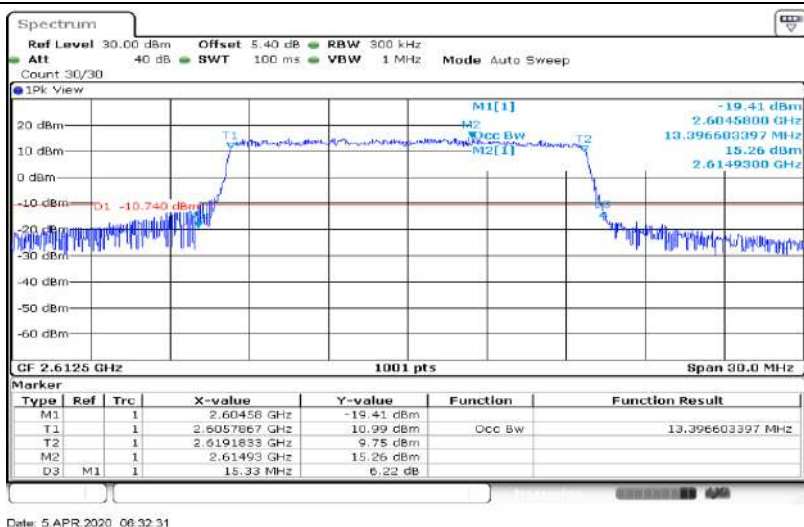


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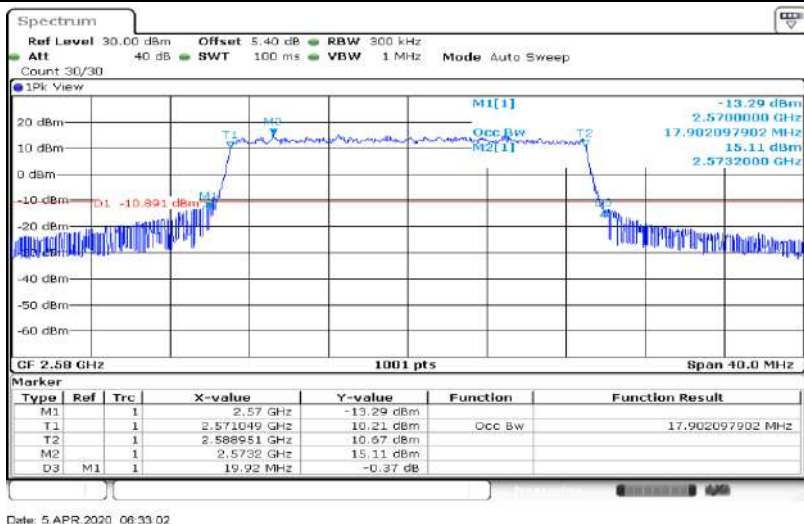


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Band38-20MHz-QPSK-37850-100RB#0-17.902

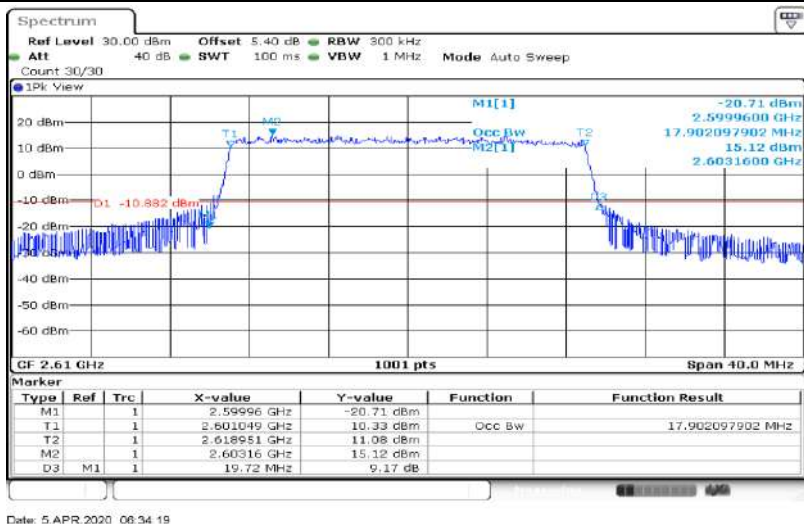


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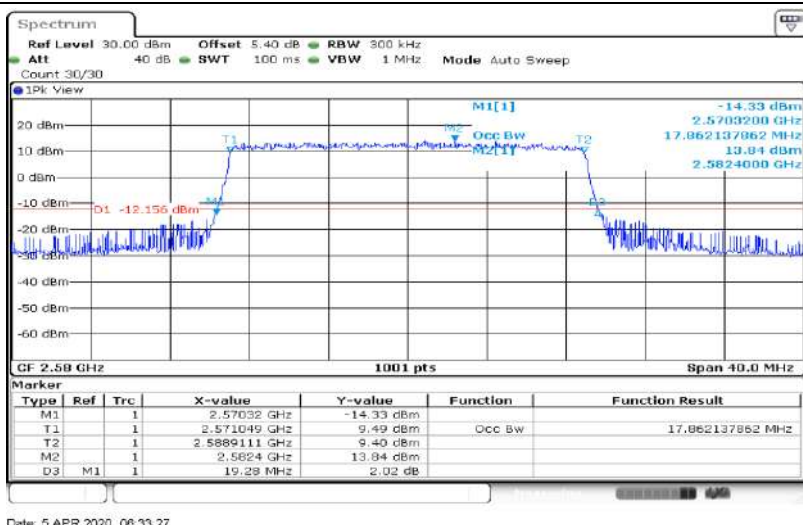


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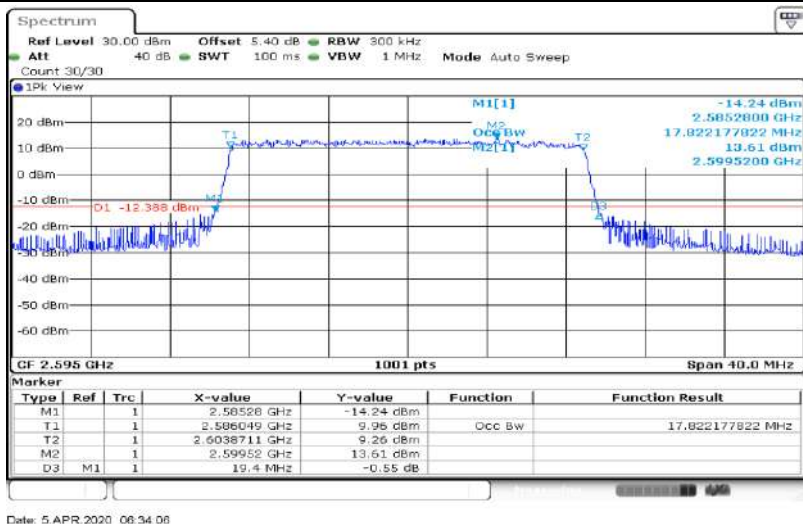


Band38-20MHz-64QAM-37850-100RB#0-17.862





Band38-20MHz-64QAM-38000-100RB#0-17.822



Band38-20MHz-64QAM-38150-100RB#0-17.822



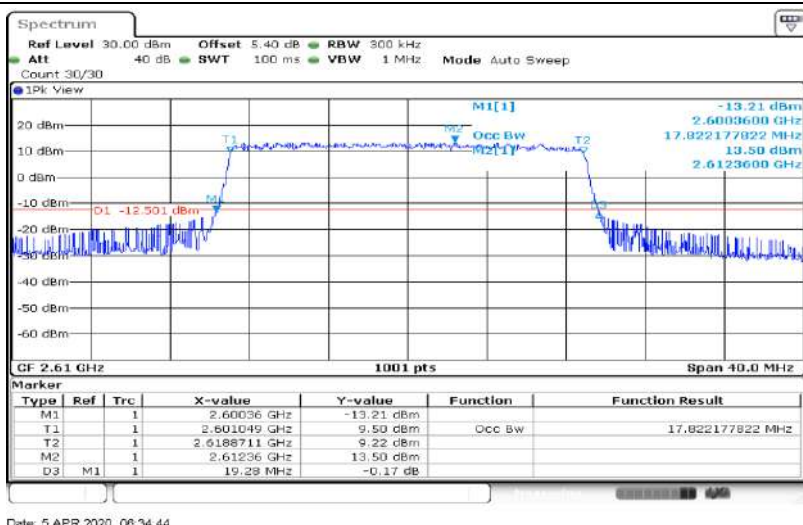
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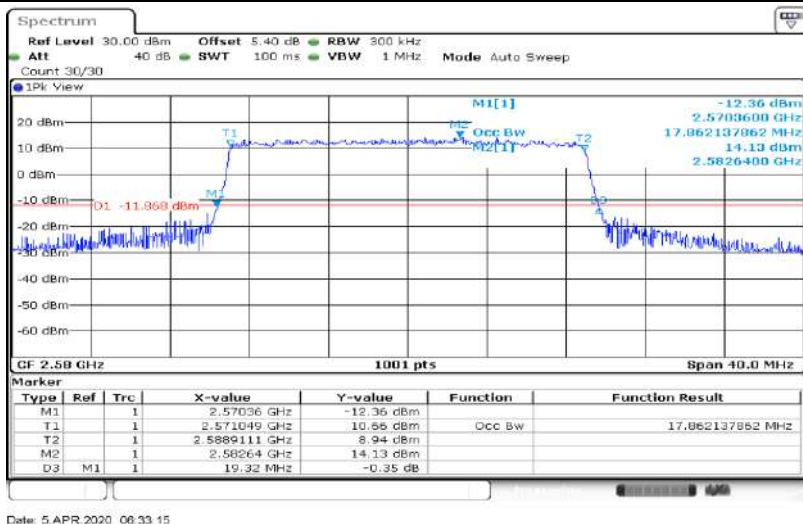
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Band38-20MHz-16QAM-37850-100RB#0-17.862



Band38-20MHz-16QAM-38000-100RB#0-17.862

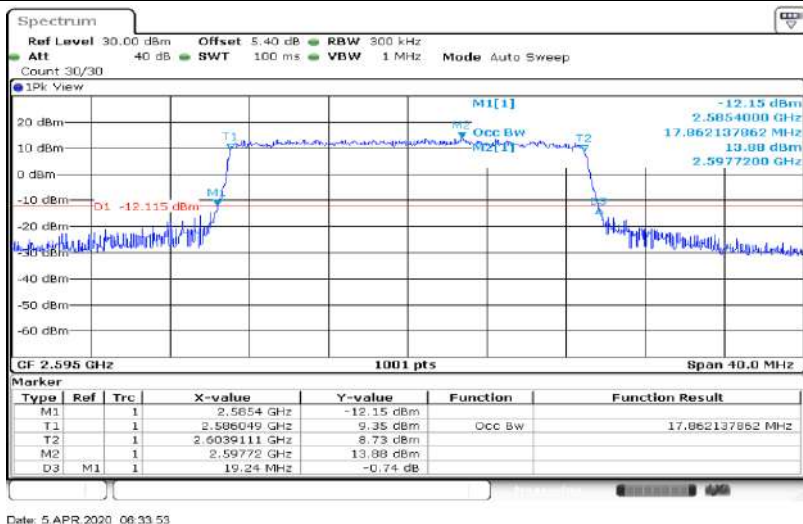


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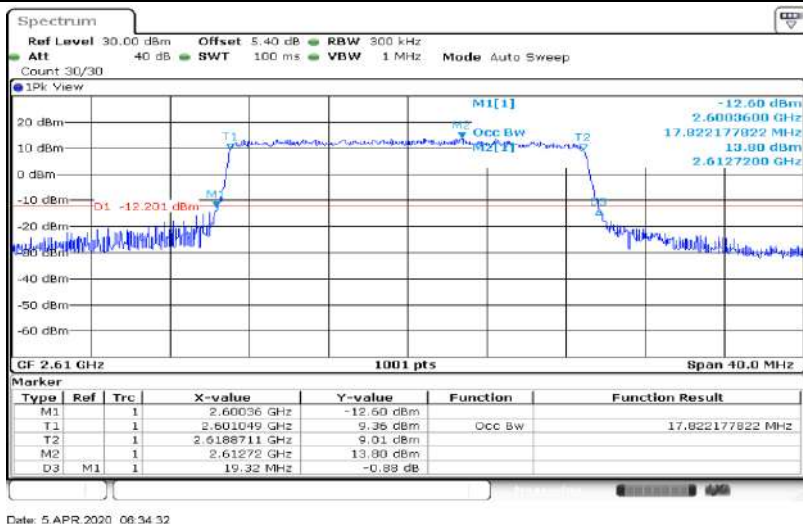
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Band38-20MHz-16QAM-38150-100RB#0-17.822





5. Band Edge Compliance

5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	-48.85,-49.64,-13.24	PASS
Band38	5MHz	QPSK	37775	25RB#0	-40.93,-41.47,-24.94	PASS
Band38	5MHz	QPSK	38225	1RB#24	-48.17,-47.51,-13.90	PASS
Band38	5MHz	QPSK	38225	25RB#0	-41.62,-42.41,-25.22	PASS
Band38	5MHz	64QAM	37775	1RB#0	-50.51,-49.89,-15.22	PASS
Band38	5MHz	64QAM	37775	25RB#0	-42.79,-41.08,-27.71	PASS
Band38	5MHz	64QAM	38225	1RB#24	-48.70,-47.97,-19.49	PASS
Band38	5MHz	64QAM	38225	25RB#0	-43.76,-42.15,-26.88	PASS
Band38	5MHz	16QAM	37775	1RB#0	-49.34,-49.90,-14.61	PASS
Band38	5MHz	16QAM	37775	25RB#0	-41.60,-40.11,-25.43	PASS
Band38	5MHz	16QAM	38225	1RB#24	-48.44,-48.71,-14.73	PASS
Band38	5MHz	16QAM	38225	25RB#0	-42.87,-41.75,-24.98	PASS
Band38	10MHz	QPSK	37800	1RB#0	-42.01,-45.01,-22.86	PASS
Band38	10MHz	QPSK	37800	50RB#0	-38.09,-35.80,-28.32	PASS
Band38	10MHz	QPSK	38200	1RB#49	-42.67,-43.44,-20.84	PASS
Band38	10MHz	QPSK	38200	50RB#0	-40.81,-37.79,-30.18	PASS
Band38	10MHz	64QAM	37800	1RB#0	-49.86,-46.10,-24.20	PASS
Band38	10MHz	64QAM	37800	50RB#0	-39.27,-36.41,-31.36	PASS
Band38	10MHz	64QAM	38200	1RB#49	-50.23,-44.79,-25.61	PASS
Band38	10MHz	64QAM	38200	50RB#0	-41.29,-38.22,-32.17	PASS
Band38	10MHz	16QAM	37800	1RB#0	-43.98,-46.73,-23.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	-40.04,-36.53,-30.03	PASS
Band38	10MHz	16QAM	38200	1RB#49	-45.09,-44.57,-24.39	PASS
Band38	10MHz	16QAM	38200	50RB#0	-41.12,-38.17,-31.14	PASS
Band38	15MHz	QPSK	37825	1RB#0	-47.97,-43.38,-21.74	PASS
Band38	15MHz	QPSK	37825	75RB#0	-39.77,-36.40,-31.11	PASS
Band38	15MHz	QPSK	38175	1RB#74	-48.32,-42.92,-22.74	PASS
Band38	15MHz	QPSK	38175	75RB#0	-41.69,-38.46,-32.78	PASS
Band38	15MHz	64QAM	37825	1RB#0	-48.26,-43.97,-23.40	PASS
Band38	15MHz	64QAM	37825	75RB#0	-40.23,-36.00,-32.42	PASS
Band38	15MHz	64QAM	38175	1RB#74	-48.23,-44.78,-23.72	PASS
Band38	15MHz	64QAM	38175	75RB#0	-41.97,-37.77,-33.79	PASS



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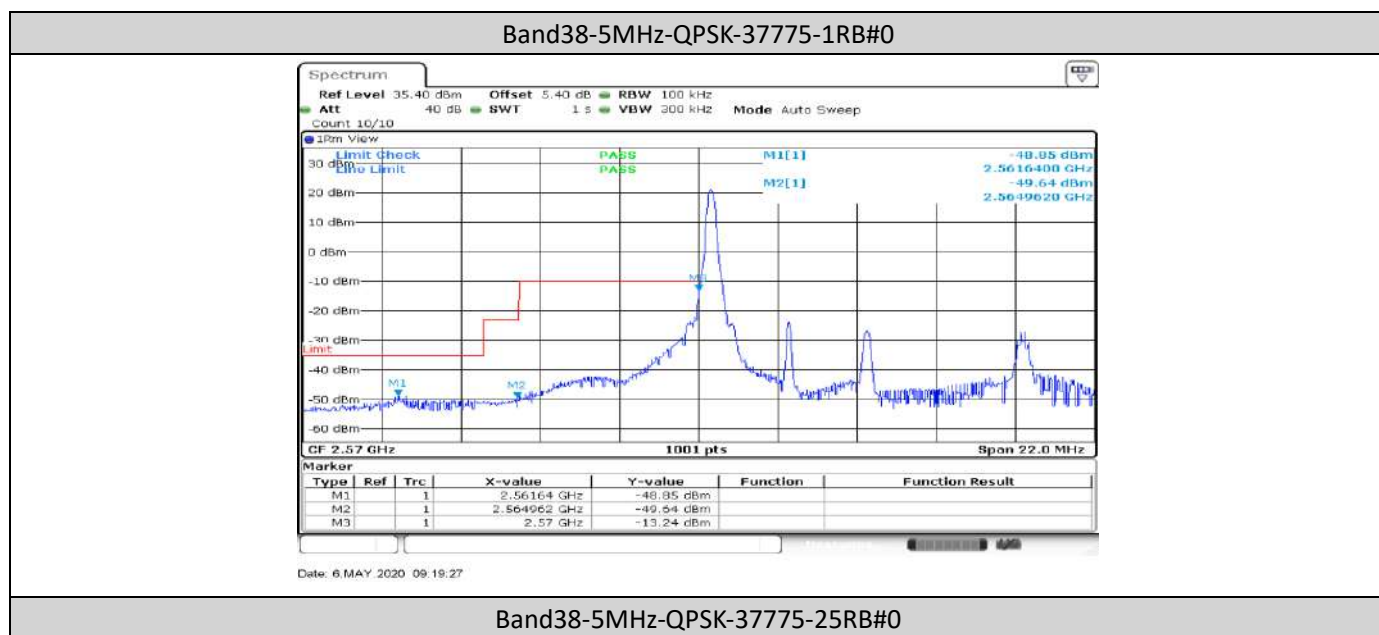
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Band38	15MHz	16QAM	37825	1RB#0	-48.26,-43.95,-23.52	PASS
Band38	15MHz	16QAM	37825	75RB#0	-39.87,-35.47,-32.41	PASS
Band38	15MHz	16QAM	38175	1RB#74	-48.41,-44.08,-23.17	PASS
Band38	15MHz	16QAM	38175	75RB#0	-41.44,-37.83,-33.37	PASS
Band38	20MHz	QPSK	37850	1RB#0	-46.50,-41.51,-20.65	PASS
Band38	20MHz	QPSK	37850	100RB#0	-39.39,-35.12,-30.50	PASS
Band38	20MHz	QPSK	38150	1RB#99	-46.76,-42.21,-20.89	PASS
Band38	20MHz	QPSK	38150	100RB#0	-40.72,-37.25,-32.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	-46.68,-42.65,-22.09	PASS
Band38	20MHz	64QAM	37850	100RB#0	-39.33,-34.52,-32.82	PASS
Band38	20MHz	64QAM	38150	1RB#99	-46.86,-43.12,-22.93	PASS
Band38	20MHz	64QAM	38150	100RB#0	-40.96,-36.50,-34.08	PASS
Band38	20MHz	16QAM	37850	1RB#0	-46.59,-42.17,-21.09	PASS
Band38	20MHz	16QAM	37850	100RB#0	-38.94,-34.09,-31.52	PASS
Band38	20MHz	16QAM	38150	1RB#99	-46.64,-42.90,-23.71	PASS
Band38	20MHz	16QAM	38150	100RB#0	-40.64,-36.23,-33.35	PASS

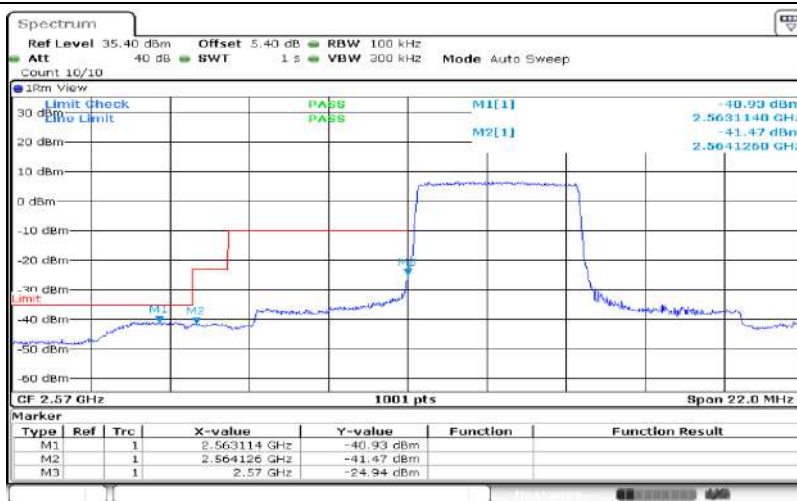
5.2. Test Plots



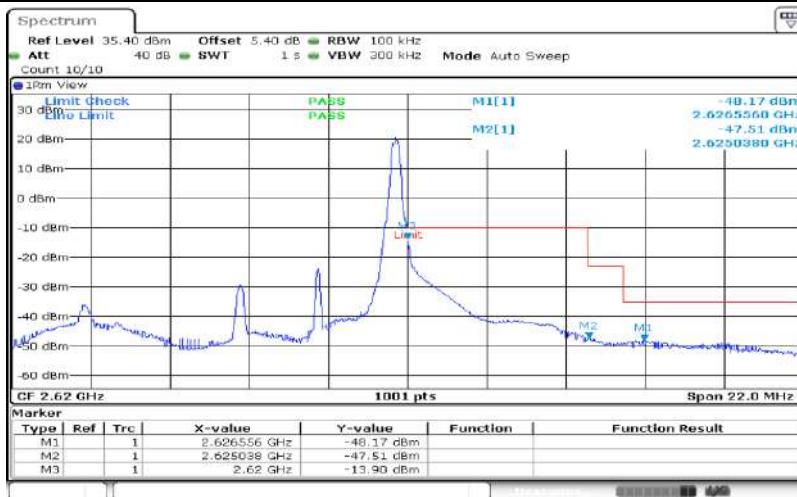
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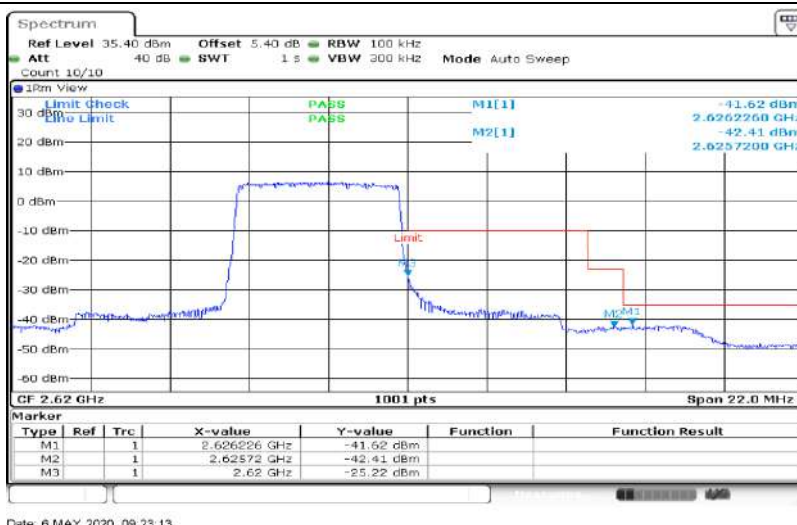


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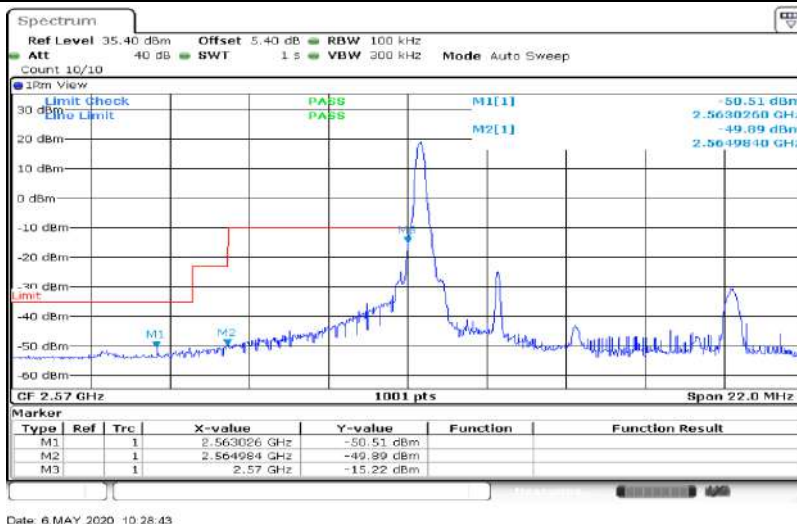


Band38-5MHz-QPSK-38225-25RB#0





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

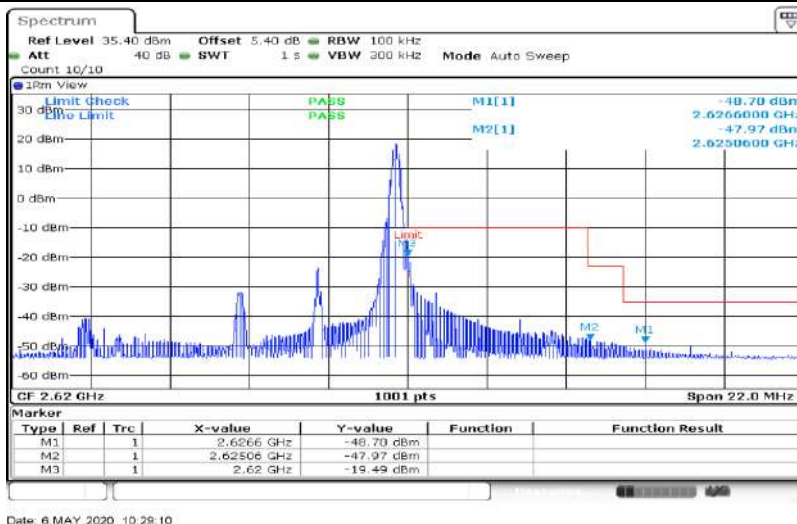


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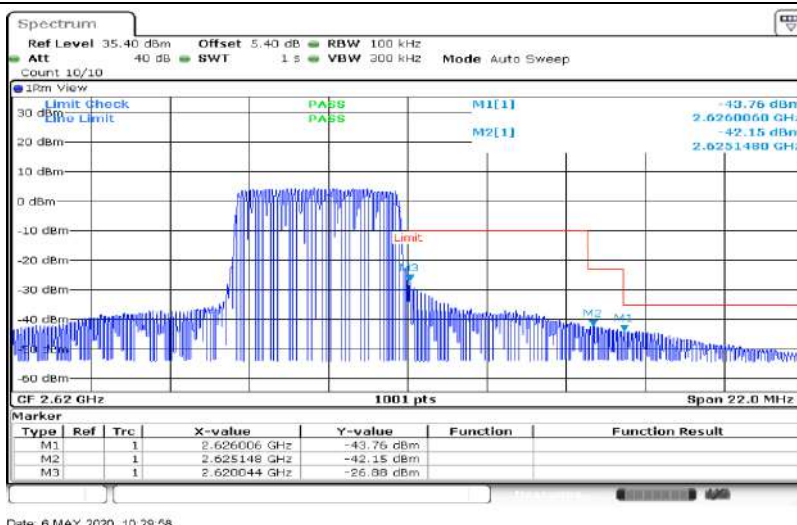


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Band38-5MHz-64QAM-38225-25RB#0





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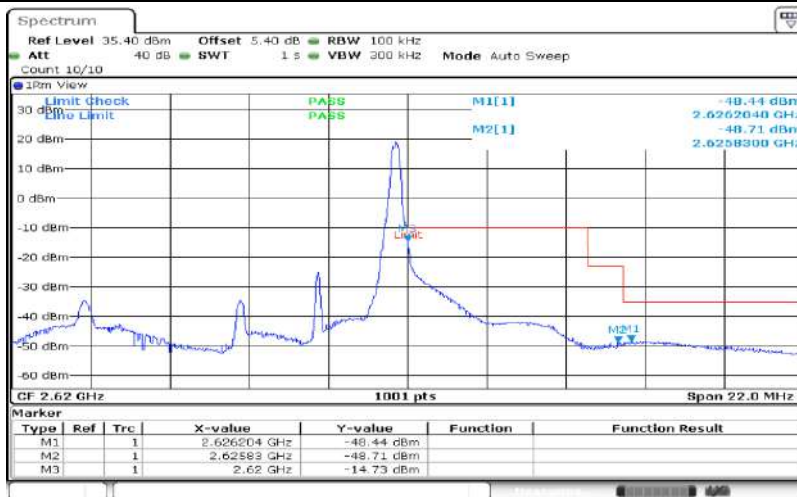


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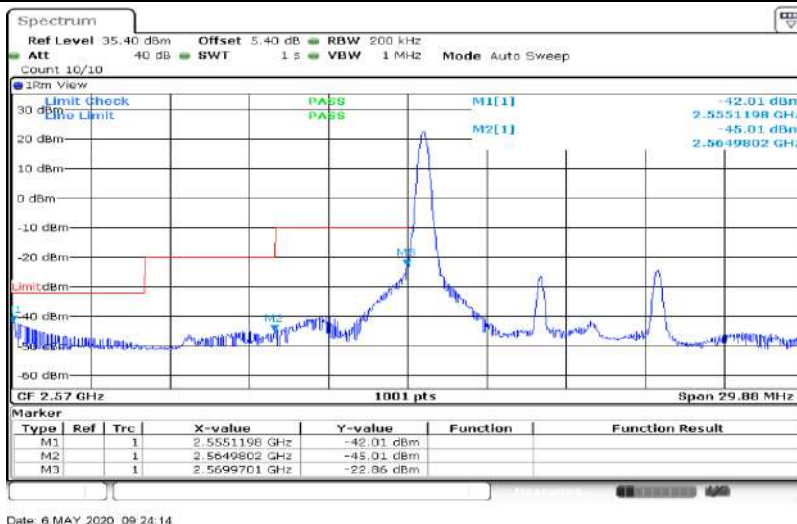


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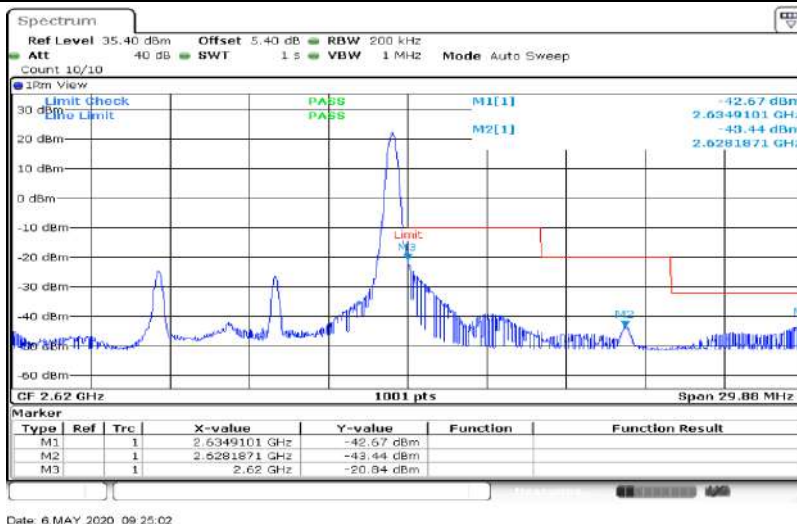


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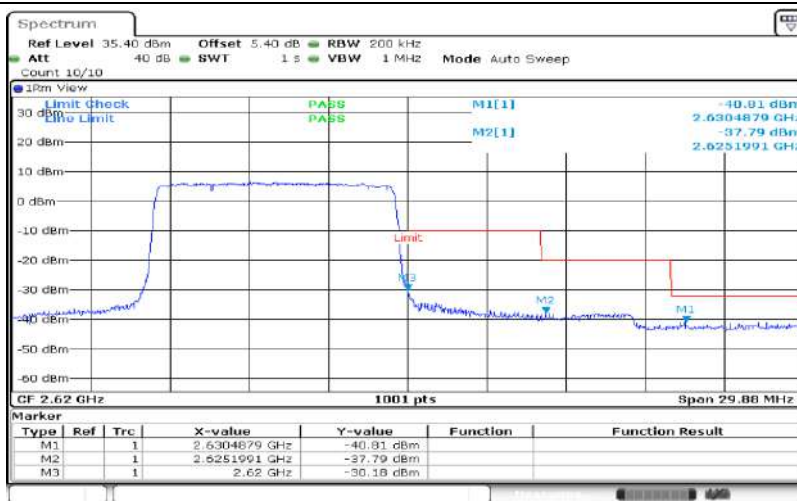


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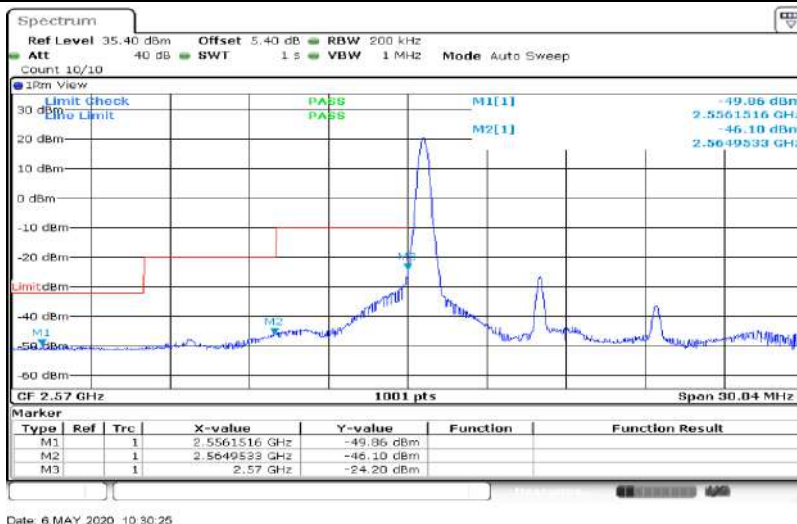


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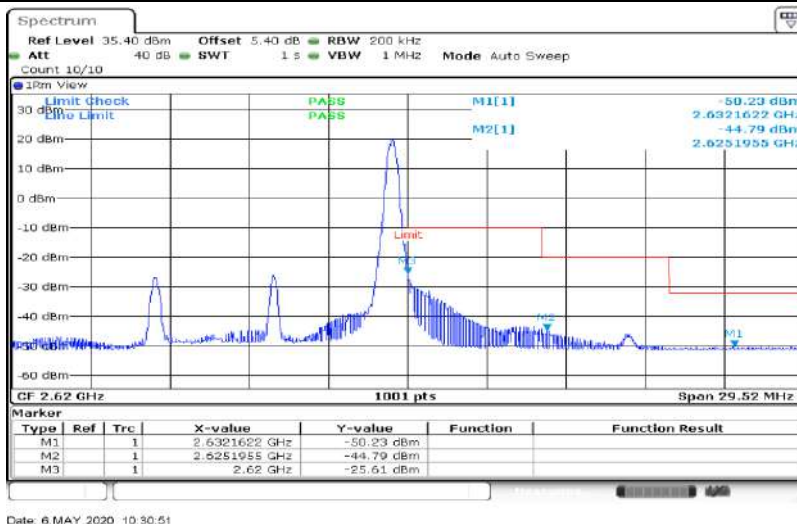


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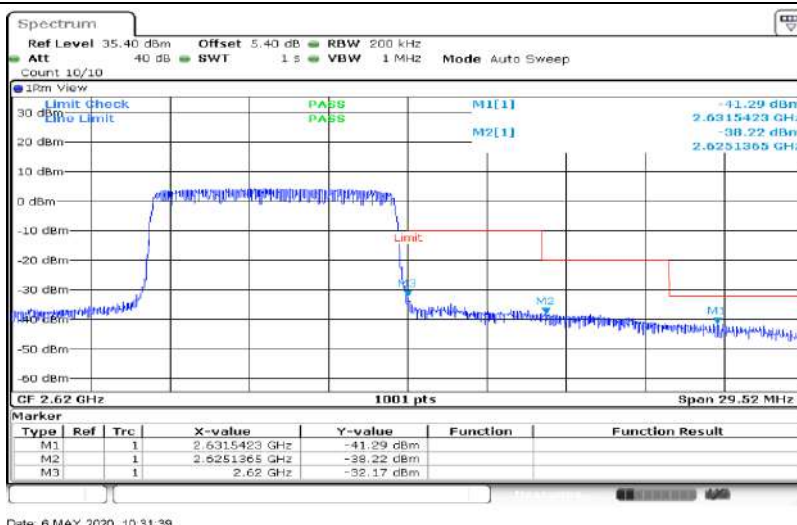


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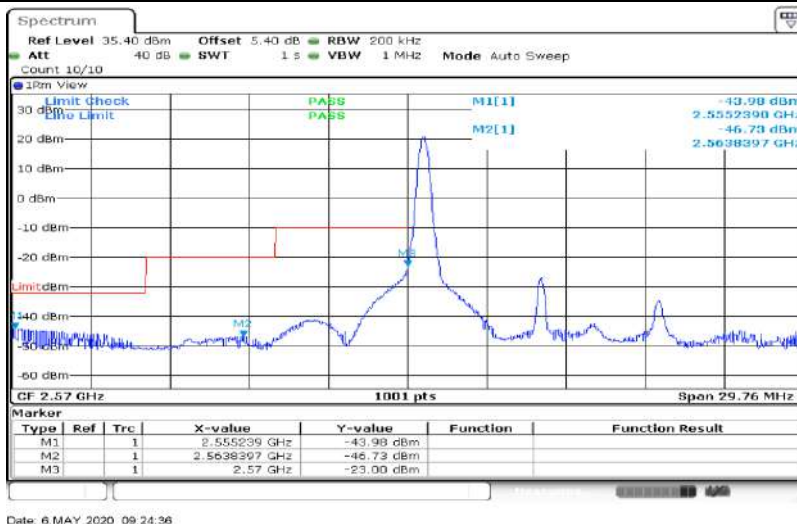


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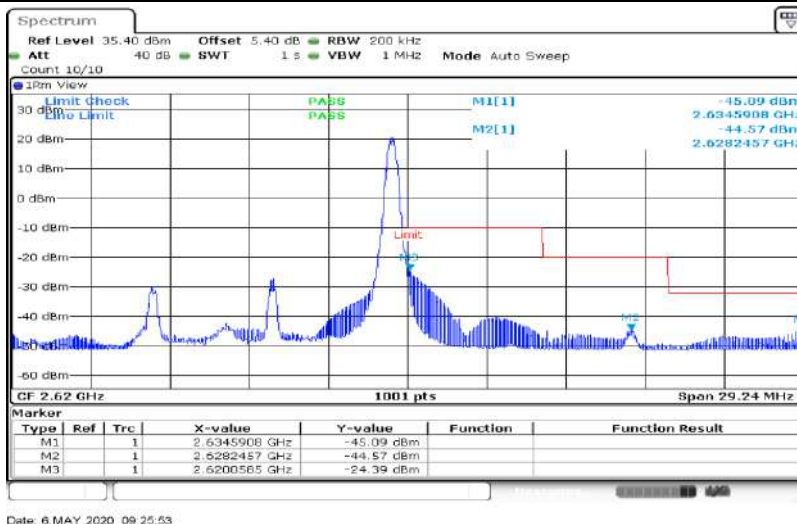


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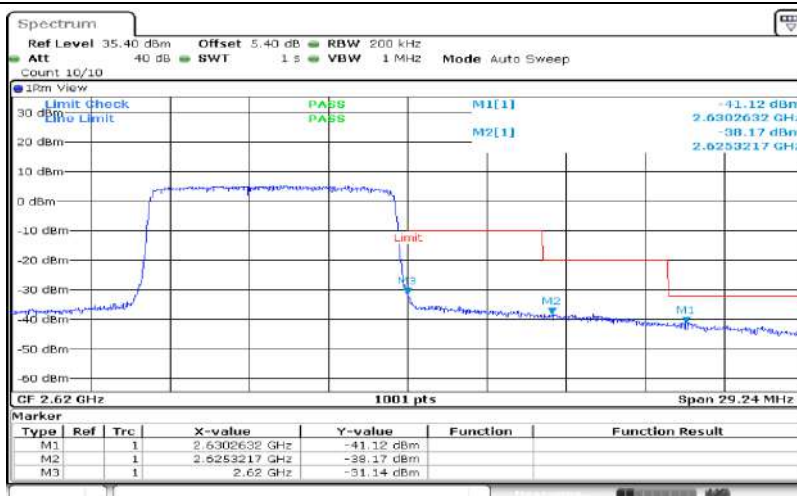


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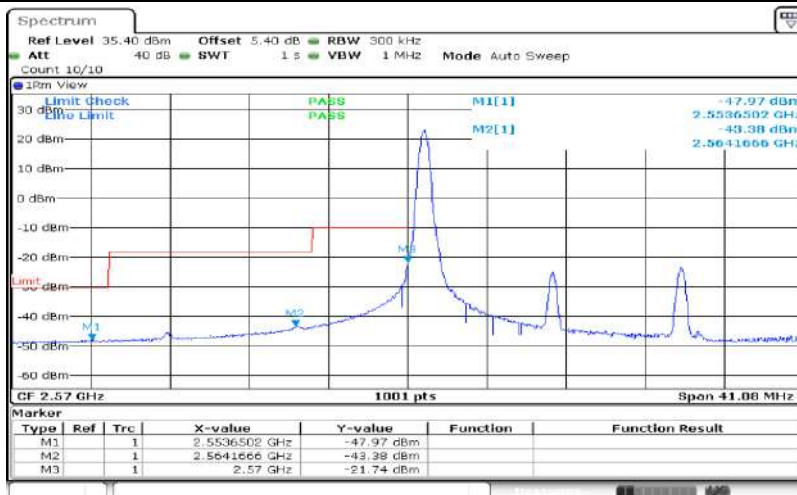


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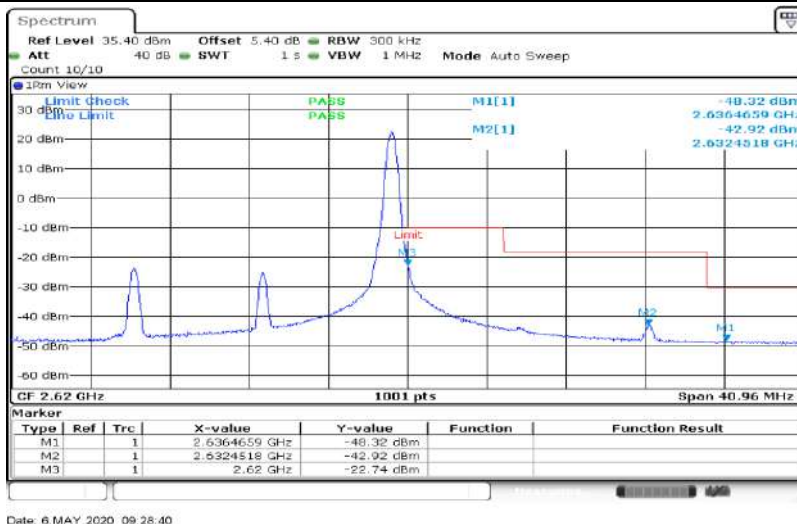


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Band38-15MHz-QPSK-38175-1RB#74

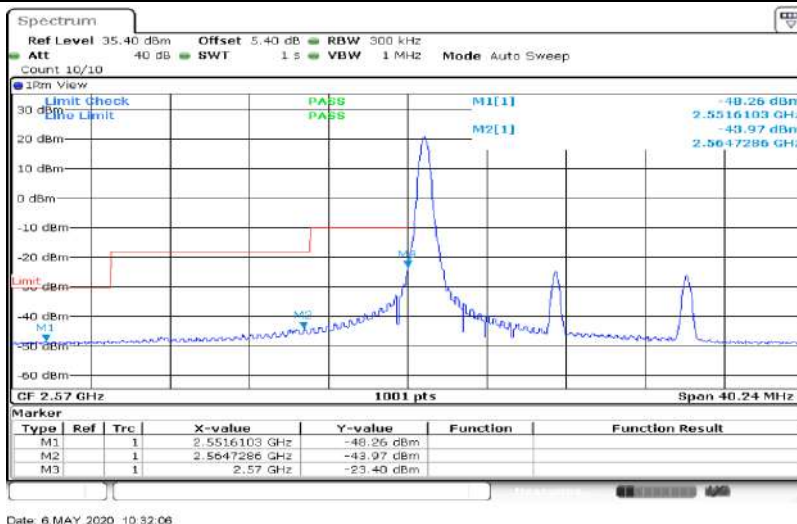


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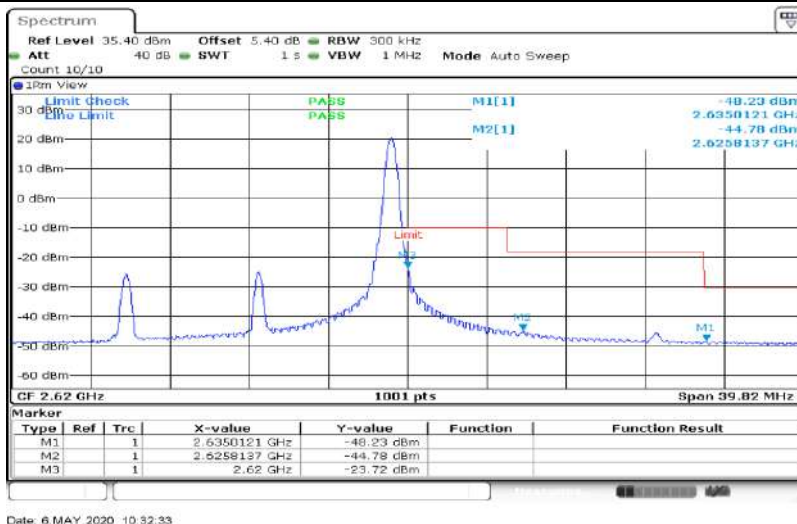


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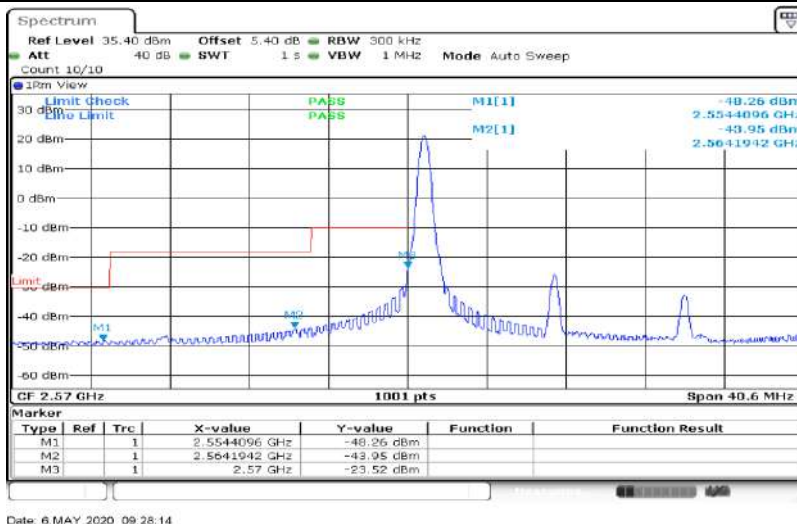


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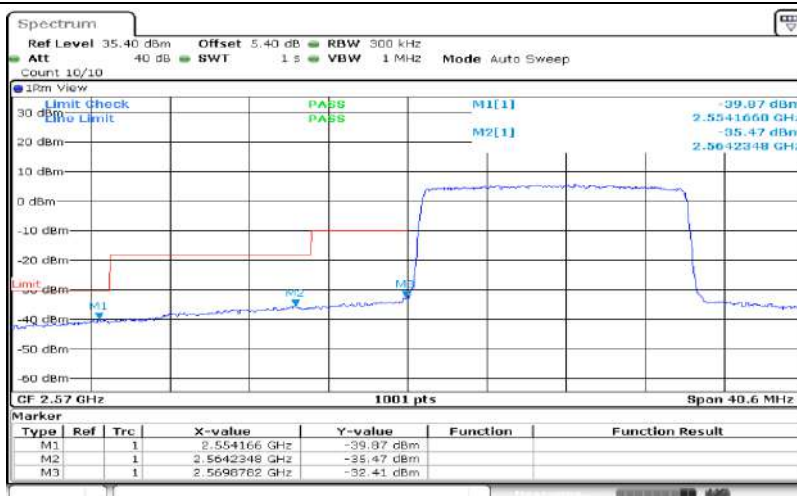


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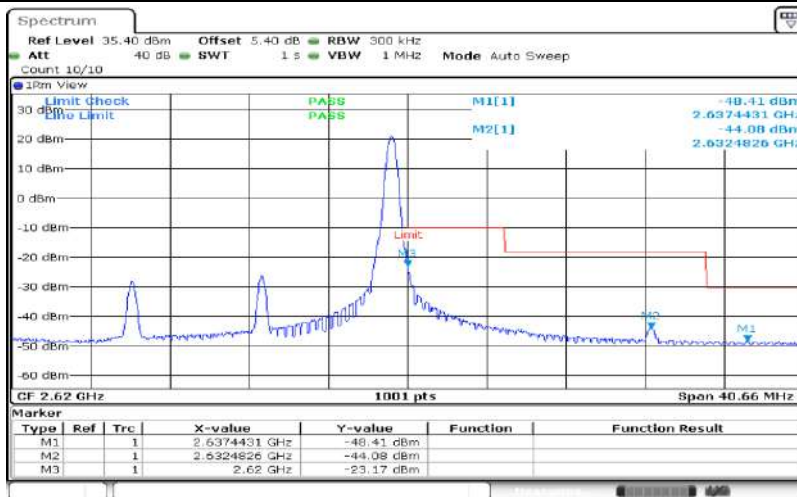


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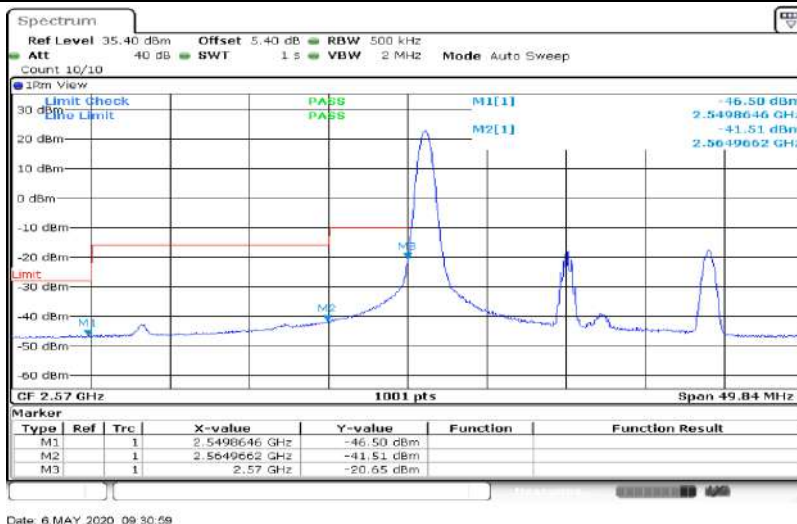


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Band38-20MHz-QPSK-37850-1RB#0

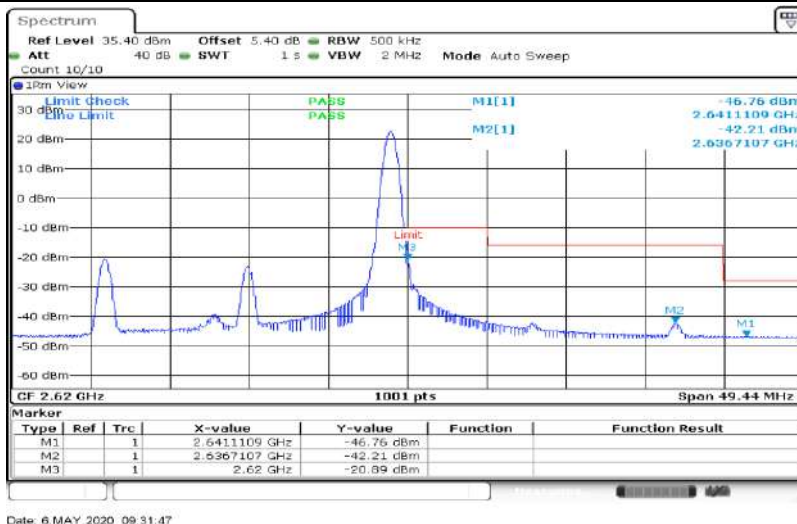


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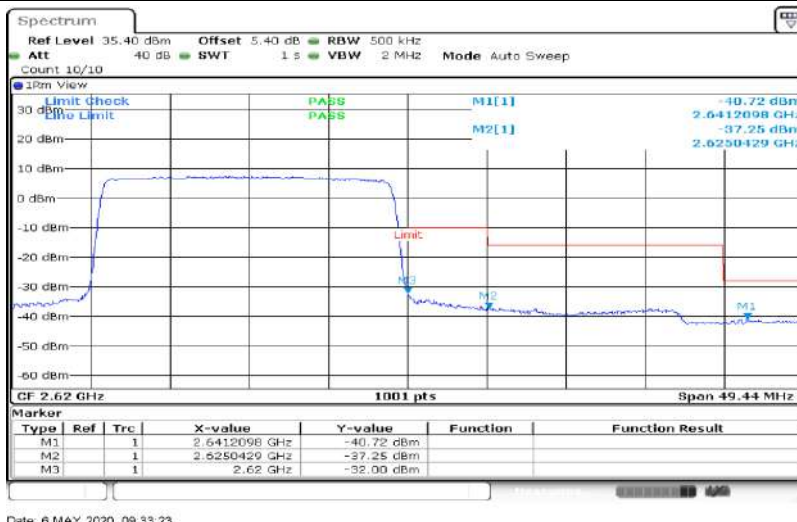


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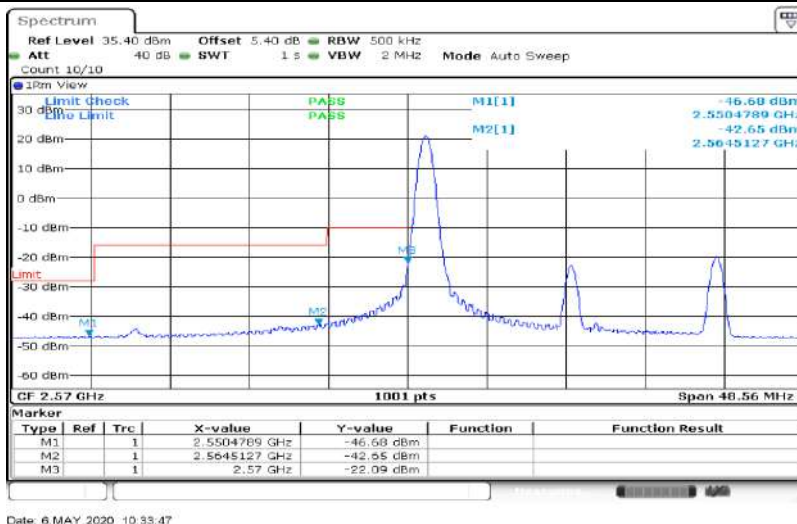


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Band38-20MHz-64QAM-37850-1RB#0



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



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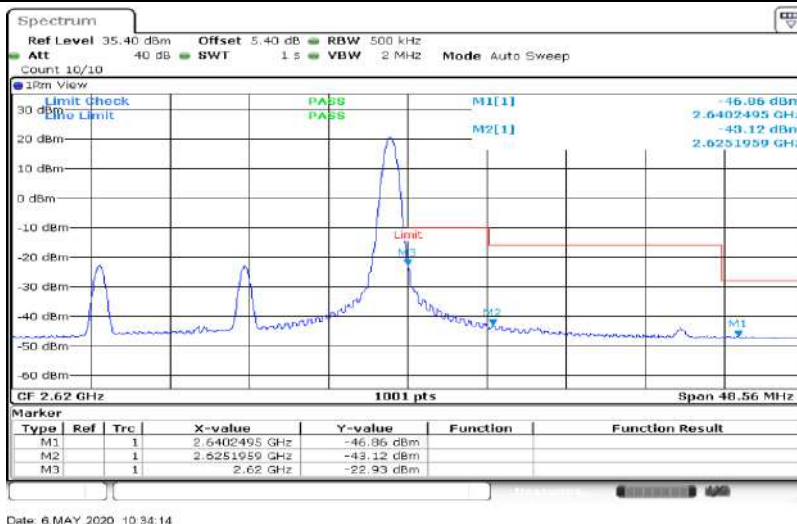
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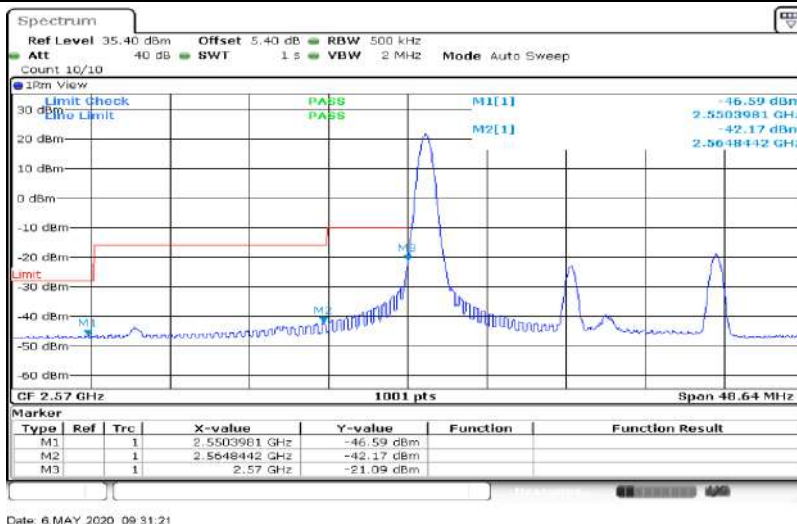


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Band38-20MHz-16QAM-37850-1RB#0

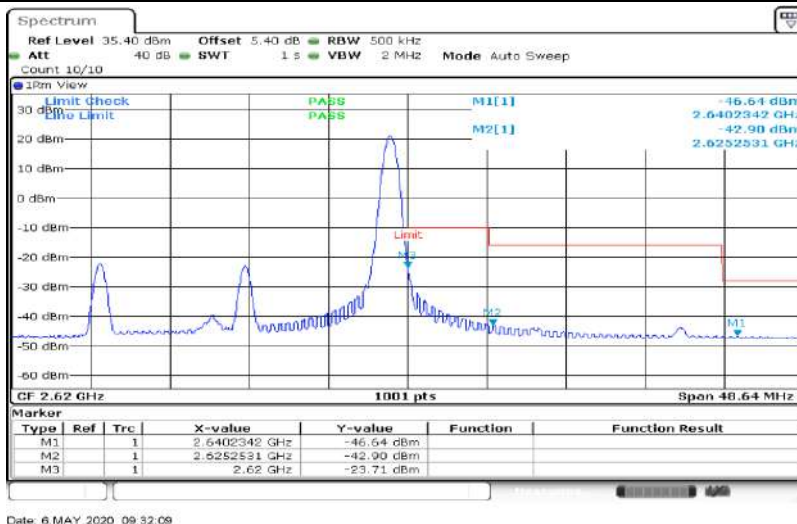


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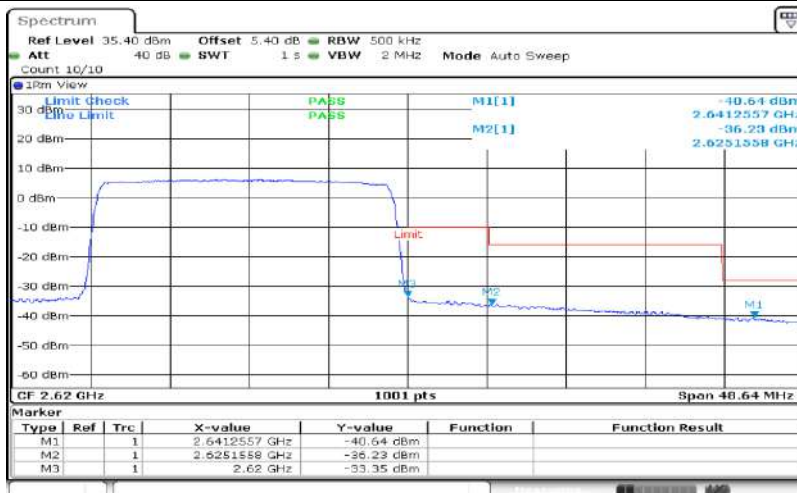


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6. Spurious Emission at Antenna Terminal

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 = $k * (\text{Span} / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.

6.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band38	20MHz	QPSK	37850	1RB#0	Range1:30~1000MHz	-48.89	PASS
Band38	20MHz	QPSK	37850	1RB#0	Range2:1000~30000MHz	-41.43	PASS
Band38	20MHz	QPSK	38000	1RB#0	Range1:30~1000MHz	-48.64	PASS
Band38	20MHz	QPSK	38000	1RB#0	Range2:1000~30000MHz	-41.37	PASS
Band38	20MHz	QPSK	38150	1RB#0	Range1:30~1000MHz	-48.86	PASS
Band38	20MHz	QPSK	38150	1RB#0	Range2:1000~30000MHz	-41.7	PASS
Band38	20MHz	64QAM	37850	1RB#0	Range1:30~1000MHz	-48.94	PASS
Band38	20MHz	64QAM	37850	1RB#0	Range2:1000~30000MHz	-41.62	PASS
Band38	20MHz	64QAM	38000	1RB#0	Range1:30~1000MHz	-48.75	PASS
Band38	20MHz	64QAM	38000	1RB#0	Range2:1000~30000MHz	-41.58	PASS
Band38	20MHz	64QAM	38150	1RB#0	Range1:30~1000MHz	-48.65	PASS
Band38	20MHz	64QAM	38150	1RB#0	Range2:1000~30000MHz	-41.89	PASS
Band38	20MHz	16QAM	37850	1RB#0	Range1:30~1000MHz	-48.76	PASS
Band38	20MHz	16QAM	37850	1RB#0	Range2:1000~30000MHz	-40.18	PASS
Band38	20MHz	16QAM	38000	1RB#0	Range1:30~1000MHz	-49.25	PASS
Band38	20MHz	16QAM	38000	1RB#0	Range2:1000~30000MHz	-41.82	PASS
Band38	20MHz	16QAM	38150	1RB#0	Range1:30~1000MHz	-48.99	PASS
Band38	20MHz	16QAM	38150	1RB#0	Range2:1000~30000MHz	-41.81	PASS

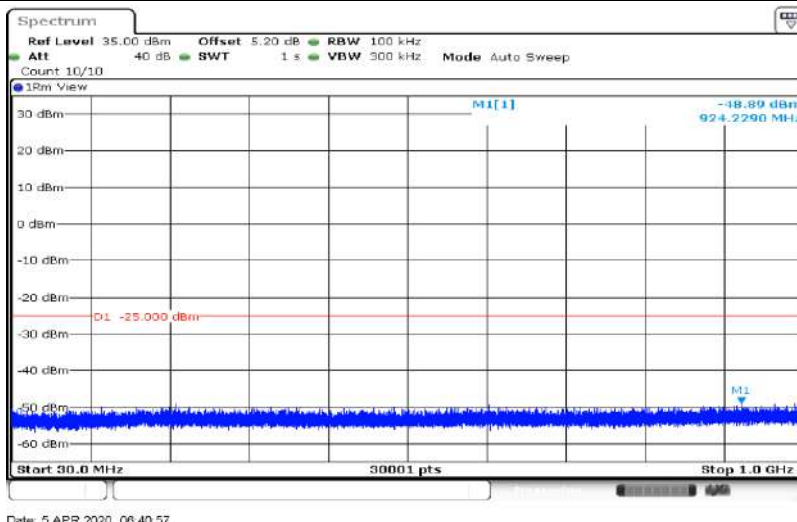
6.2. Test Plots

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

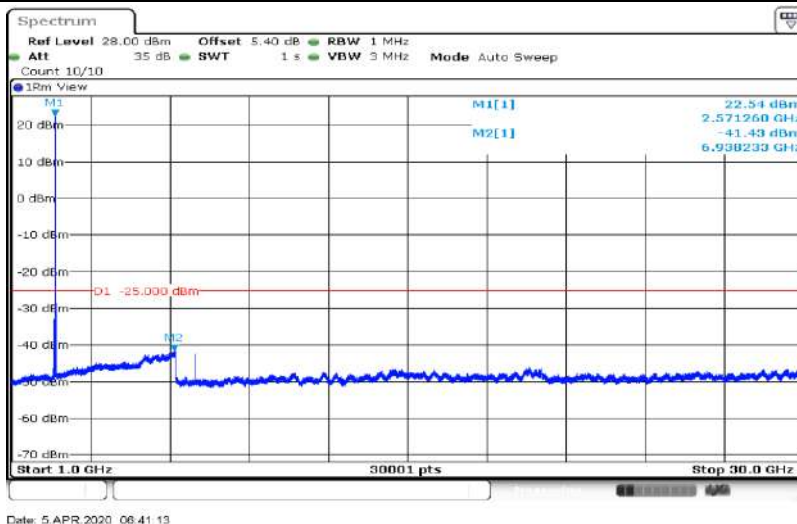


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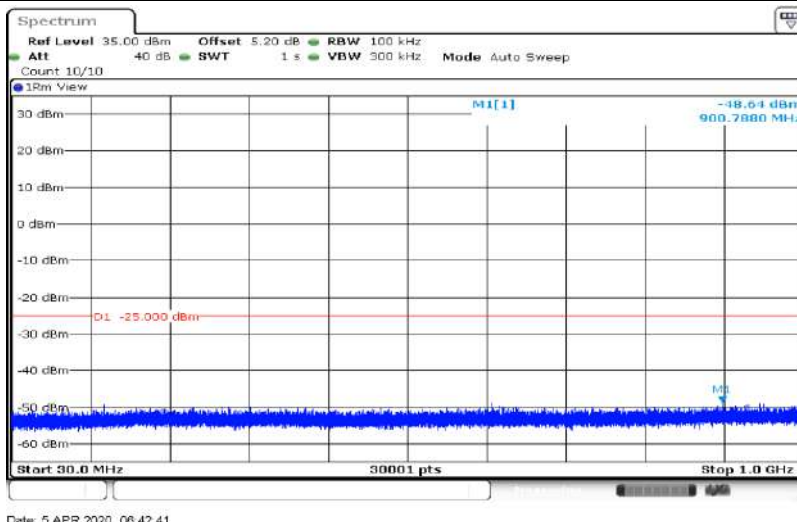


Band38-20MHz-QPSK-37850-1RB#0-Range2:1000~30000MHz

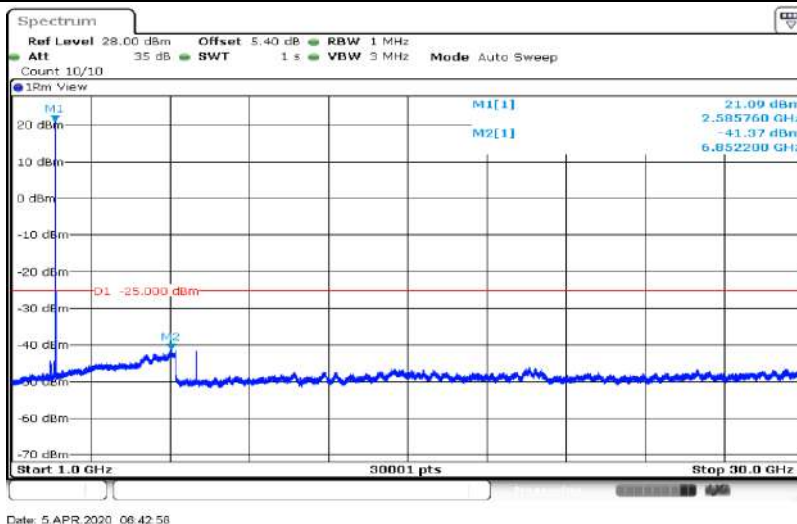


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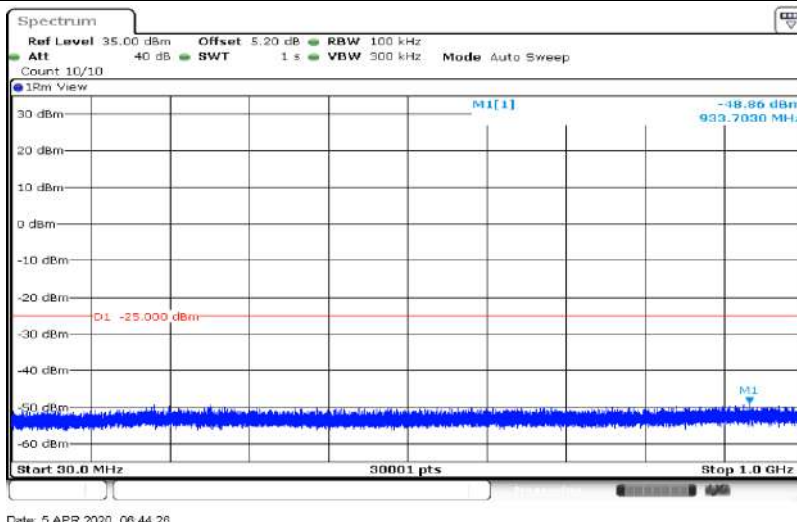


Band38-20MHz-QPSK-38000-1RB#0-Range2:1000~30000MHz

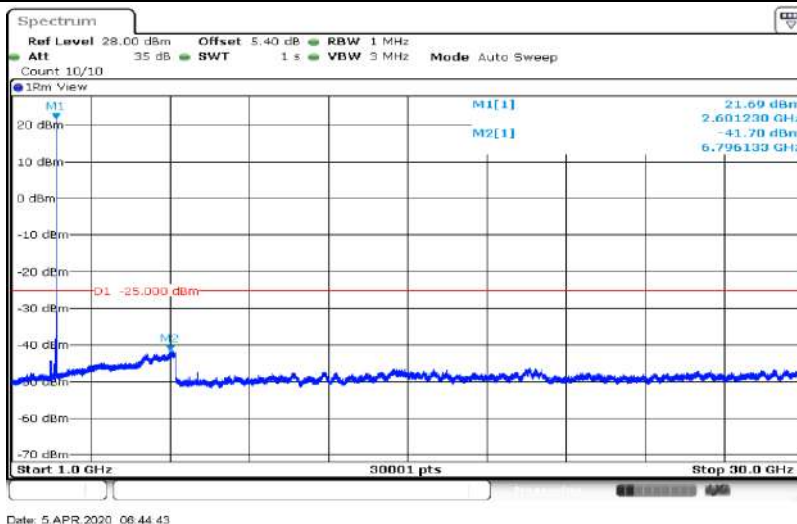


Band38-20MHz-QPSK-38150-1RB#0-Range1:30~1000MHz



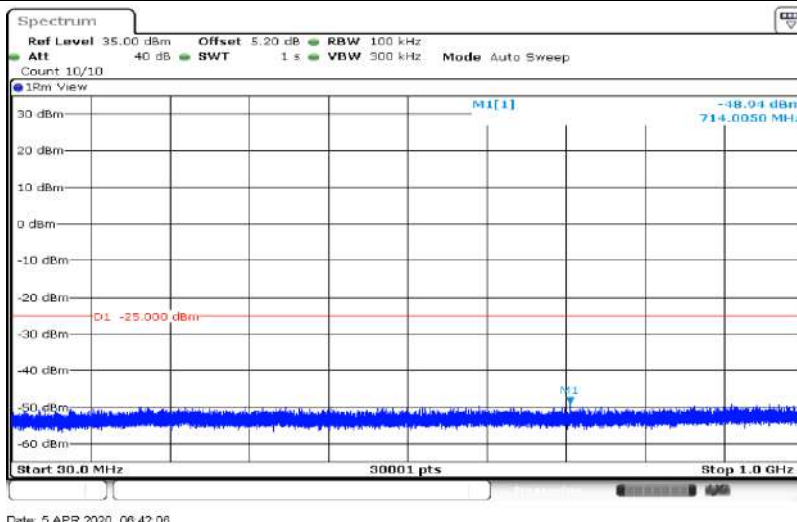


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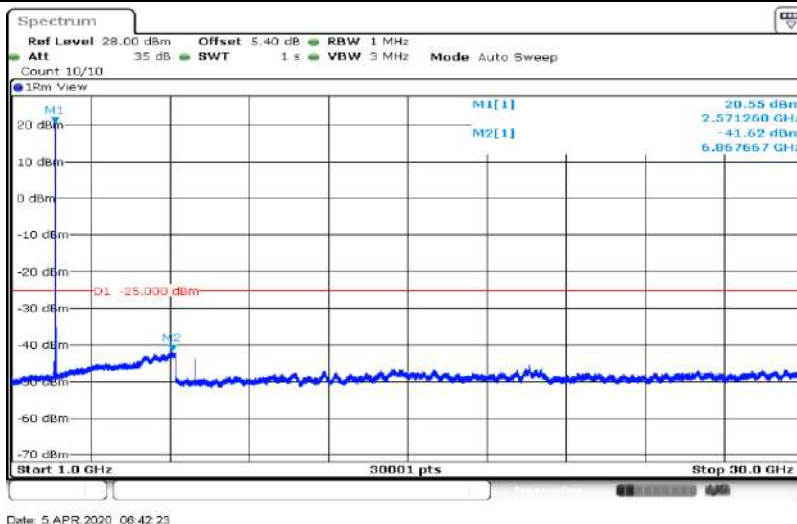


Band38-20MHz-64QAM-37850-1RB#0-Range1:30~1000MHz



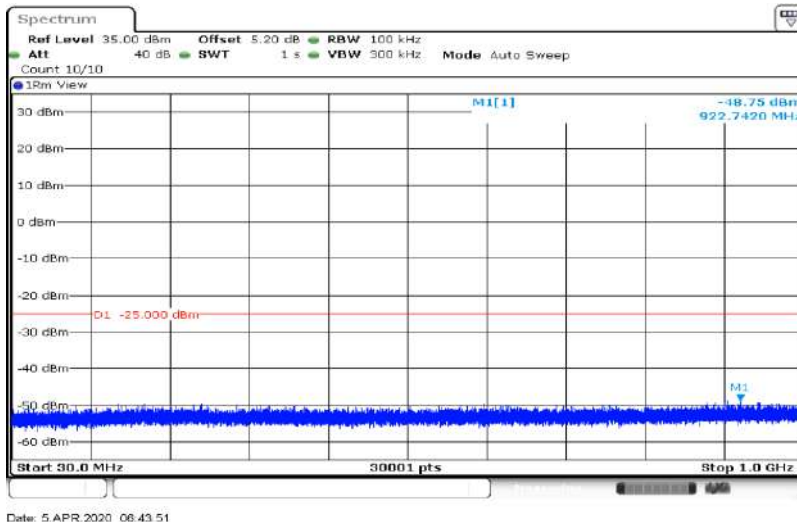


Band38-20MHz-64QAM-37850-1RB#0-Range2:1000~30000MHz

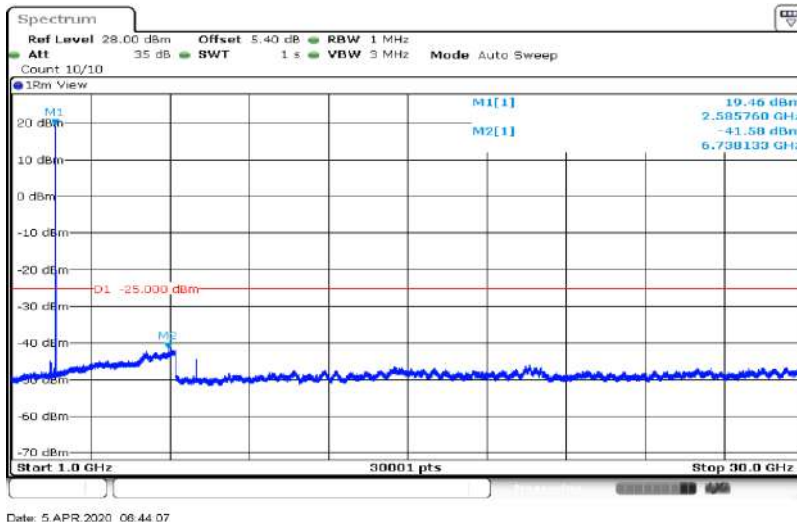


Band38-20MHz-64QAM-38000-1RB#0-Range1:30~1000MHz





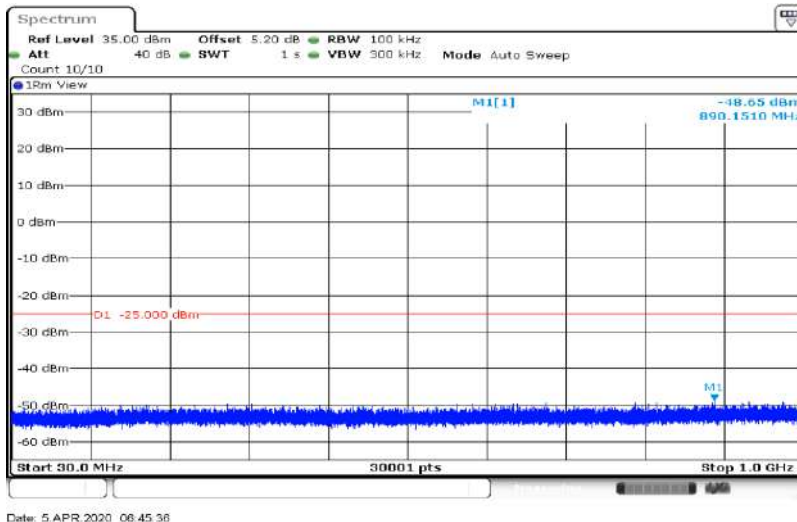
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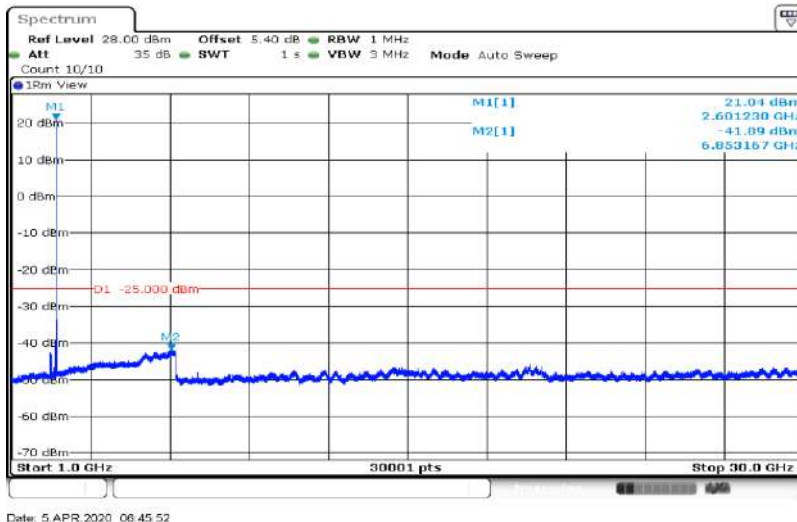
Band38-20MHz-64QAM-38150-1RB#0-Range1:30~1000MHz



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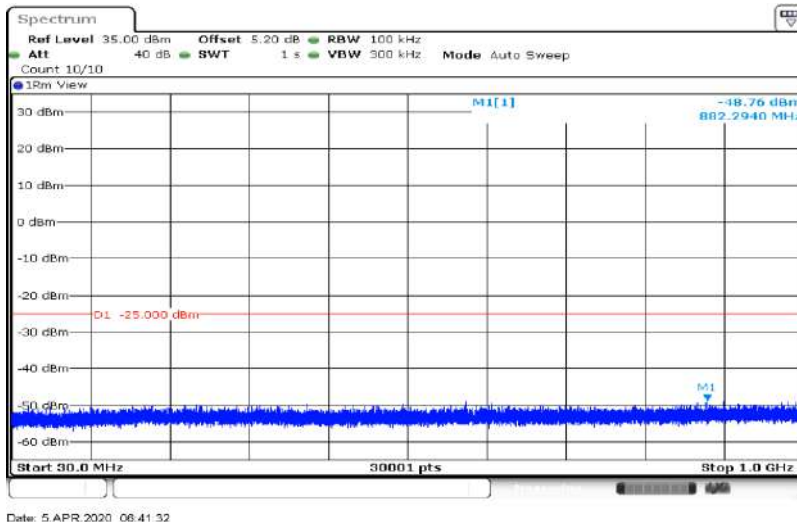
Band38-20MHz-64QAM-38150-1RB#0-Range2:1000~30000MHz



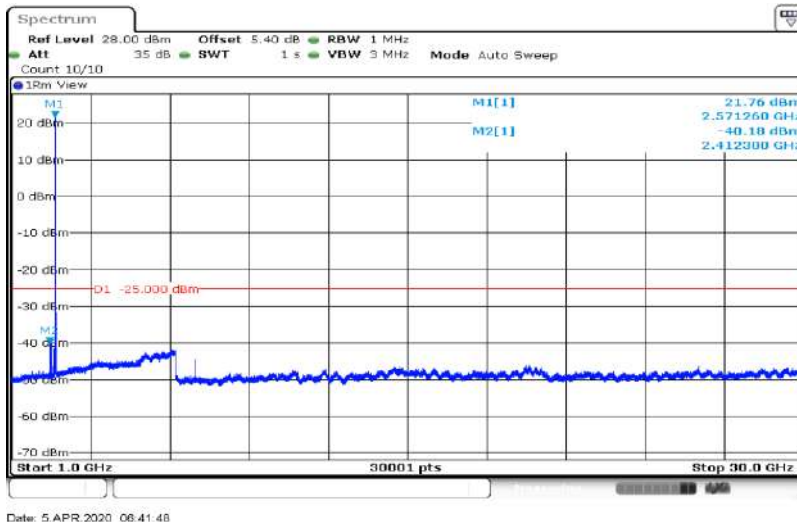
Band38-20MHz-16QAM-37850-1RB#0-Range1:30~1000MHz



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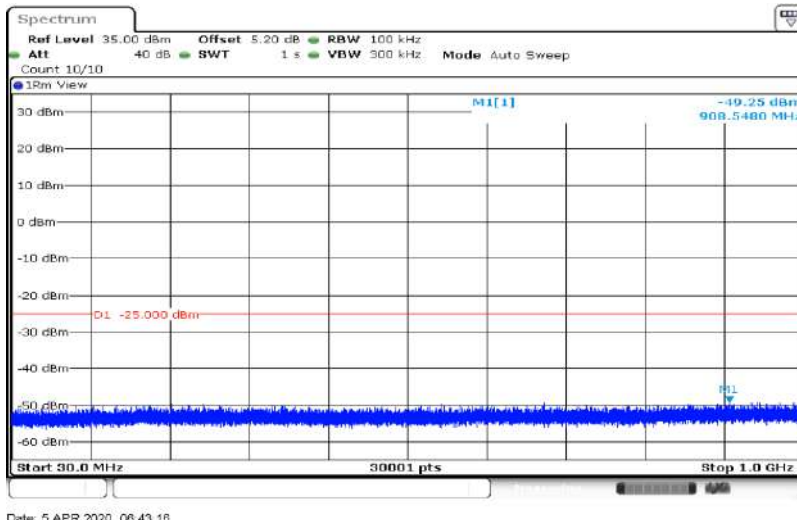
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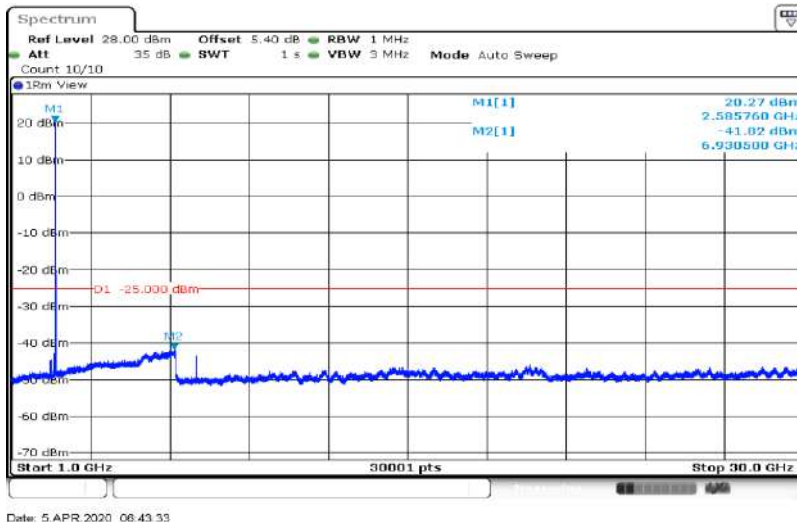
Band38-20MHz-16QAM-38000-1RB#0-Range1:30~1000MHz



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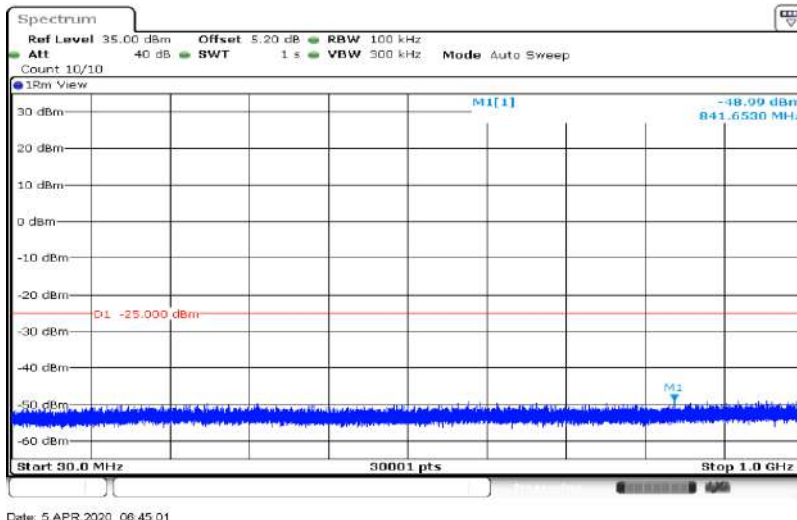
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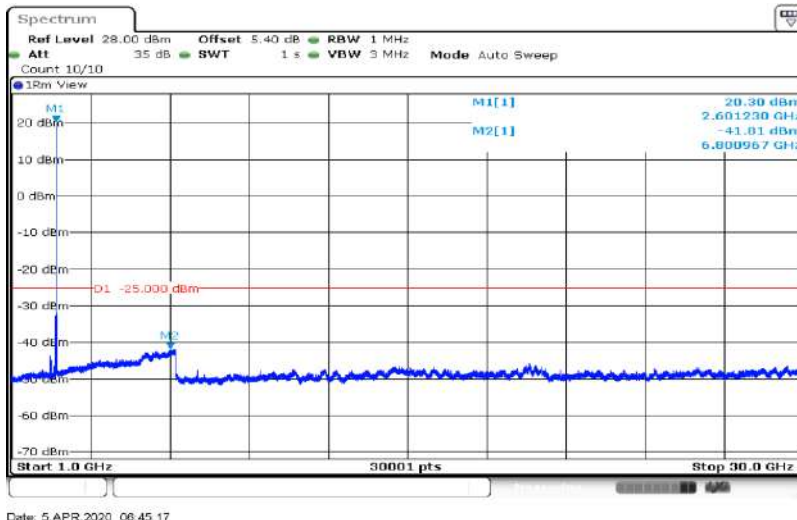
Band38-20MHz-16QAM-38150-1RB#0-Range1:30~1000MHz



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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 Mode =LTE/TM1 20MHz

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
56.250000	-79.52	-25.00	54.52	143	263	Vertical
346.400000	-84.53	-25.00	59.53	246	53	Vertical
929.783333	-75.60	-25.00	50.60	109	192	Vertical
5142.400000	-55.33	-25.00	30.33	271	297	Vertical
7713.475000	-56.35	-25.00	31.35	154	8	Vertical
10615.075000	-60.38	-25.00	35.38	167	135	Vertical
56.600000	-75.06	-25.00	50.06	217	225	Horizontal
104.300000	-85.26	-25.00	60.26	193	93	Horizontal
951.004167	-74.59	-25.00	49.59	230	110	Horizontal
5142.075000	-64.87	-25.00	39.87	246	192	Horizontal
7712.825000	-52.42	-25.00	27.42	124	37	Horizontal
10503.275000	-61.56	-25.00	36.56	199	139	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
56.050000	-79.07	-25.00	54.07	159	267	Vertical
342.550000	-84.51	-25.00	59.51	272	167	Vertical
948.345833	-74.78	-25.00	49.78	263	264	Vertical
5171.975000	-54.82	-25.00	29.82	230	313	Vertical
7758.000000	-55.37	-25.00	30.37	153	1	Vertical
10501.000000	-61.60	-25.00	36.60	220	68	Vertical
55.550000	-75.50	-25.00	50.50	224	130	Horizontal
229.750000	-86.78	-25.00	61.78	204	259	Horizontal
945.825000	-75.43	-25.00	50.43	256	153	Horizontal
5172.300000	-61.03	-25.00	36.03	117	307	Horizontal
7758.650000	-59.93	-25.00	34.93	243	216	Horizontal
10262.450000	-61.62	-25.00	36.62	137	330	Horizontal



7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
56.000000	-79.06	-25.00	54.06	172	264	Vertical
104.300000	-84.13	-25.00	59.13	158	105	Vertical
956.412500	-74.73	-25.00	49.73	166	333	Vertical
5201.875000	-56.77	-25.00	31.77	178	94	Vertical
7803.175000	-57.63	-25.00	32.63	118	320	Vertical
10634.575000	-60.81	-25.00	35.81	275	5	Vertical
63.900000	-76.28	-25.00	51.28	126	148	Horizontal
104.300000	-86.39	-25.00	61.39	104	120	Horizontal
944.083333	-75.24	-25.00	50.24	136	98	Horizontal
5201.875000	-59.00	-25.00	34.00	287	71	Horizontal
7803.500000	-53.16	-25.00	28.16	145	148	Horizontal
10616.700000	-60.80	-25.00	35.80	194	69	Horizontal

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.



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	-1.40	-0.000543	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VN	NT	-6.90	-0.002674	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VH	NT	-6.00	-0.002326	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-3.60	-0.001387	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-6.80	-0.002620	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-5.50	-0.002119	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VL	NT	-6.20	-0.002375	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VN	NT	-6.20	-0.002375	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VH	NT	-7.80	-0.002989	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VL	NT	-8.70	-0.003372	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VN	NT	-1.10	-0.000426	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VH	NT	-3.10	-0.001202	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VL	NT	-6.20	-0.002389	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VN	NT	-2.60	-0.001002	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VH	NT	-6.10	-0.002351	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VL	NT	-3.40	-0.001303	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VN	NT	-2.70	-0.001034	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VH	NT	-7.70	-0.002950	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VL	NT	-7.00	-0.002713	±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	-1.60	-0.000620	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VL	NT	-2.00	-0.000771	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VN	NT	-7.10	-0.002736	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VH	NT	-3.00	-0.001156	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VL	NT	-0.40	-0.000153	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VN	NT	-7.00	-0.002682	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VH	NT	-2.20	-0.000843	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
------	-----------	------------	---------	--------------	---------------	------------------	----------------	-----------------	-------------	---------



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Shenzhen Branch / 深圳分公司

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057
中国·深圳·科技园中区M-10栋一号厂房

t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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Band38	20MHz	QPSK	37850	100RB#0	NV	-30	-5.50	-0.002132	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-20	-6.20	-0.002403	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	0	-2.80	-0.001085	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	10	-2.50	-0.000969	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	20	-1.70	-0.000659	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	30	-6.70	-0.002597	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	40	-5.60	-0.002171	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	50	-5.20	-0.002016	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-6.40	-0.002466	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	-5.80	-0.002235	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	-1.40	-0.000539	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-2.60	-0.001002	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	-3.10	-0.001195	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-4.20	-0.001618	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-1.50	-0.000578	±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	-6.50	-0.002490	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-20	-7.30	-0.002797	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	0	-6.10	-0.002337	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	10	-6.80	-0.002605	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	20	-5.40	-0.002069	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	30	-6.60	-0.002529	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	40	-3.50	-0.001341	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	50	-5.00	-0.001916	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-30	-1.70	-0.000659	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-20	-7.20	-0.002791	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	0	-4.10	-0.001589	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	10	-0.90	-0.000349	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	20	-7.50	-0.002907	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	30	-7.00	-0.002713	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	40	-7.60	-0.002946	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	50	-2.50	-0.000969	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-30	-2.30	-0.000886	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-20	-2.50	-0.000963	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	0	-1.00	-0.000385	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	10	-3.00	-0.001156	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	20	-2.60	-0.001002	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	30	-0.50	-0.000193	±2.5	PASS



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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch - 科技园中区M-10栋一号厂房

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057
中国·深圳·科技园中区M-10栋一号厂房

t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band38	20MHz	64QAM	38000	100RB#0	NV	40	-7.30	-0.002813	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	50	-6.30	-0.002428	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-30	-5.30	-0.002031	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-20	-0.10	-0.000038	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	0	-7.00	-0.002682	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	10	-3.20	-0.001226	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	20	-6.10	-0.002337	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	30	-6.50	-0.002490	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	40	-8.00	-0.003065	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	50	-2.40	-0.000920	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-30	-8.20	-0.003178	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-20	-1.70	-0.000659	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	0	-2.10	-0.000814	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	10	-6.70	-0.002597	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	20	-1.30	-0.000504	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	30	-2.70	-0.001047	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	40	-5.60	-0.002171	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	50	-4.20	-0.001628	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-30	-3.50	-0.001349	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-20	-6.80	-0.002620	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	0	-1.00	-0.000385	±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	-5.90	-0.002274	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	30	-4.20	-0.001618	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	40	-2.30	-0.000886	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	50	-1.50	-0.000578	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-30	-5.90	-0.002261	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-20	-7.00	-0.002682	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	0	-6.70	-0.002567	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	10	-5.20	-0.001992	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	20	-2.70	-0.001034	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	30	-0.30	-0.000115	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	40	-6.00	-0.002299	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	50	-6.40	-0.002452	±2.5	PASS



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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (SGS-CSTC) Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com