



Appendix B

E-UTRA Band 38



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8.2. FREQUENCY VS TEMPERATURE 78



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#12	23.03	20.54	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#0	23.09	20.60	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	23.05	20.56	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	22.13	19.64	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	22.17	19.68	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	22.19	19.70	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.05	19.56	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	23.03	20.54	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	23.10	20.61	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	23.05	20.56	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	22.17	19.68	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	22.25	19.76	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	22.17	19.68	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	22.17	19.68	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.97	20.48	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	23.09	20.60	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.91	20.42	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	22.07	19.58	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	22.18	19.69	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	22.03	19.54	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.97	19.48	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	21.02	18.53	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	21.20	18.71	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	21.01	18.52	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#6	20.08	17.59	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#13	19.94	17.45	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#0	20.00	17.51	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	20.06	17.57	33.00	PASS



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Band38	5MHz	64QAM	38000	1RB#24	20.98	18.49	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	21.06	18.57	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	20.98	18.49	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#0	19.91	17.42	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#6	20.01	17.52	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#13	19.98	17.49	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	20.03	17.54	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	21.01	18.52	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	21.13	18.64	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	20.97	18.48	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#0	19.91	17.42	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#6	20.00	17.51	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#13	19.84	17.35	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	20.01	17.52	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.09	19.60	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.26	19.77	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.07	19.58	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	21.14	18.65	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	21.08	18.59	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	21.05	18.56	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.17	18.68	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.10	19.61	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.17	19.68	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	22.10	19.61	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	21.06	18.57	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	21.06	18.57	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#0	21.05	18.56	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	21.17	18.68	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.07	19.58	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	22.18	19.69	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.06	19.57	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	21.03	18.54	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#0	21.14	18.65	33.00	PASS



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Band38	5MHz	16QAM	38225	12RB#6	20.97	18.48	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	21.07	18.58	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.21	20.72	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.06	20.57	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.08	20.59	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#25	22.13	19.64	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	22.11	19.62	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	22.13	19.64	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.22	19.73	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	23.12	20.63	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	23.03	20.54	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	23.12	20.63	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	22.15	19.66	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#0	22.18	19.69	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	22.10	19.61	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	22.17	19.68	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	23.12	20.63	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.95	20.46	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	23.04	20.55	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	22.09	19.60	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	22.13	19.64	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	22.05	19.56	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	22.14	19.65	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	21.24	18.75	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#49	21.09	18.60	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	21.14	18.65	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#0	20.01	17.52	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#12	20.10	17.61	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#25	19.99	17.50	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	20.23	17.74	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	21.13	18.64	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	21.08	18.59	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	21.01	18.52	33.00	PASS



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Band38	10MHz	64QAM	38000	25RB#0	20.14	17.65	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#25	20.10	17.61	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#12	20.03	17.54	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	20.24	17.75	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	20.97	18.48	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	20.97	18.48	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	21.07	18.58	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#0	20.00	17.51	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#25	20.07	17.58	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#12	20.01	17.52	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	20.08	17.59	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.30	19.81	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.20	19.71	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.19	19.70	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#0	21.15	18.66	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	21.15	18.66	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	21.13	18.64	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	21.32	18.83	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.26	19.77	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.16	19.67	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.10	19.61	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	21.20	18.71	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	21.15	18.66	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	21.13	18.64	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	21.31	18.82	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.07	19.58	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.08	19.59	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.12	19.63	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	21.15	18.66	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	21.15	18.66	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	21.08	18.59	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	21.19	18.70	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	23.10	20.61	33.00	PASS



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Band38	15MHz	QPSK	37825	1RB#0	23.09	20.60	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	23.00	20.51	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#0	22.20	19.71	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#18	22.22	19.73	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#39	22.16	19.67	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.14	19.65	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	23.08	20.59	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	23.16	20.67	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.96	20.47	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#18	22.16	19.67	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#39	22.20	19.71	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#0	22.10	19.61	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.21	19.72	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	23.06	20.57	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	23.08	20.59	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.98	20.49	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#39	22.11	19.62	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#18	22.09	19.60	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#0	22.02	19.53	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	22.08	19.59	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	21.28	18.79	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	21.06	18.57	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	21.15	18.66	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#39	21.08	18.59	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#18	20.15	17.66	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#0	20.07	17.58	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	20.12	17.63	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	21.05	18.56	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	21.15	18.66	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	21.04	18.55	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#39	20.02	17.53	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#18	20.12	17.63	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#0	19.99	17.50	33.00	PASS



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Band38	15MHz	64QAM	38000	75RB#0	20.15	17.66	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	21.07	18.58	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	21.06	18.57	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	20.92	18.43	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#0	20.06	17.57	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#18	19.97	17.48	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#39	19.95	17.46	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	20.18	17.69	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.14	19.65	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.24	19.75	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.21	19.72	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#0	21.20	18.71	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#18	21.21	18.72	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#39	21.19	18.70	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.28	18.79	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.18	19.69	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	22.22	19.73	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.19	19.70	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#0	21.14	18.65	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#18	21.22	18.73	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#39	21.13	18.64	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.26	18.77	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.14	19.65	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	22.18	19.69	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.01	19.52	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#39	21.14	18.65	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#0	21.07	18.58	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#18	21.00	18.51	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	21.23	18.74	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	23.06	20.57	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	23.13	20.64	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.91	20.42	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	22.13	19.64	33.00	PASS



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Band38	20MHz	QPSK	37850	50RB#25	22.16	19.67	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#50	22.09	19.60	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	22.04	19.55	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	23.00	20.51	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.19	20.70	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.86	20.37	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	22.12	19.63	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#25	22.17	19.68	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	22.18	19.69	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	22.14	19.65	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	23.06	20.57	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.05	20.56	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.88	20.39	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	22.09	19.60	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	22.13	19.64	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	22.09	19.60	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	22.12	19.63	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	20.78	18.29	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	20.88	18.39	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	20.51	18.02	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#0	20.31	17.82	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#25	20.32	17.83	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#50	20.29	17.80	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	20.24	17.75	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	20.72	18.23	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	20.77	18.28	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	20.56	18.07	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#0	20.31	17.82	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#50	20.33	17.84	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#25	20.17	17.68	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	20.22	17.73	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	20.61	18.12	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	20.75	18.26	33.00	PASS



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Band38	20MHz	64QAM	38150	1RB#49	20.47	17.98	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#25	20.25	17.76	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#50	20.29	17.80	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#0	20.21	17.72	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	20.24	17.75	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.11	19.62	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.25	19.76	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	22.10	19.61	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	21.26	18.77	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.20	18.71	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	21.22	18.73	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	21.18	18.69	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	22.10	19.61	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	22.23	19.74	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.94	19.45	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#0	21.25	18.76	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	21.23	18.74	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	21.15	18.66	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	21.19	18.70	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	22.19	19.70	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	22.19	19.70	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.97	19.48	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	21.21	18.72	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	21.18	18.69	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	21.10	18.61	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	21.18	18.69	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]



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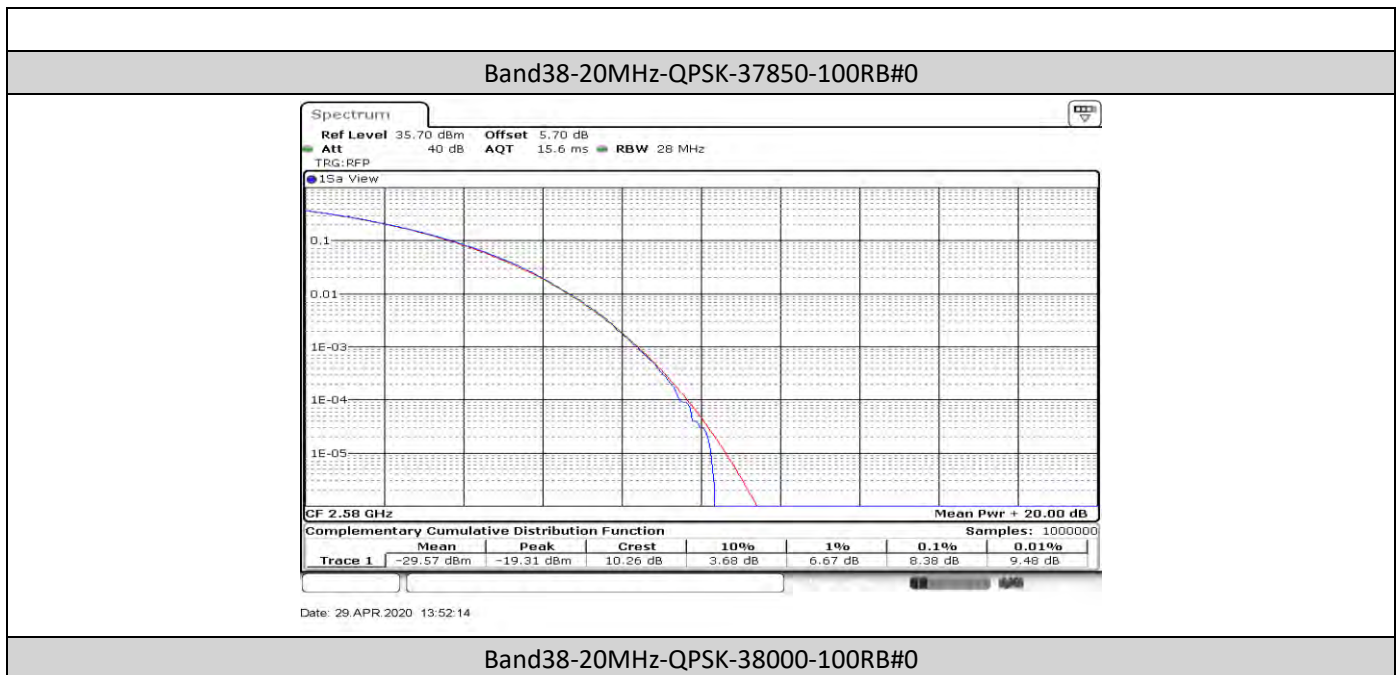


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	8.38	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	6.61	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	6.93	13	PASS
Band38	20MHz	64QAM	37850	100RB#0	8.55	13	PASS
Band38	20MHz	64QAM	38000	100RB#0	8.46	13	PASS
Band38	20MHz	64QAM	38150	100RB#0	8.43	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	8.49	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	8.46	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	8.35	13	PASS

2.2. Test Plots





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



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



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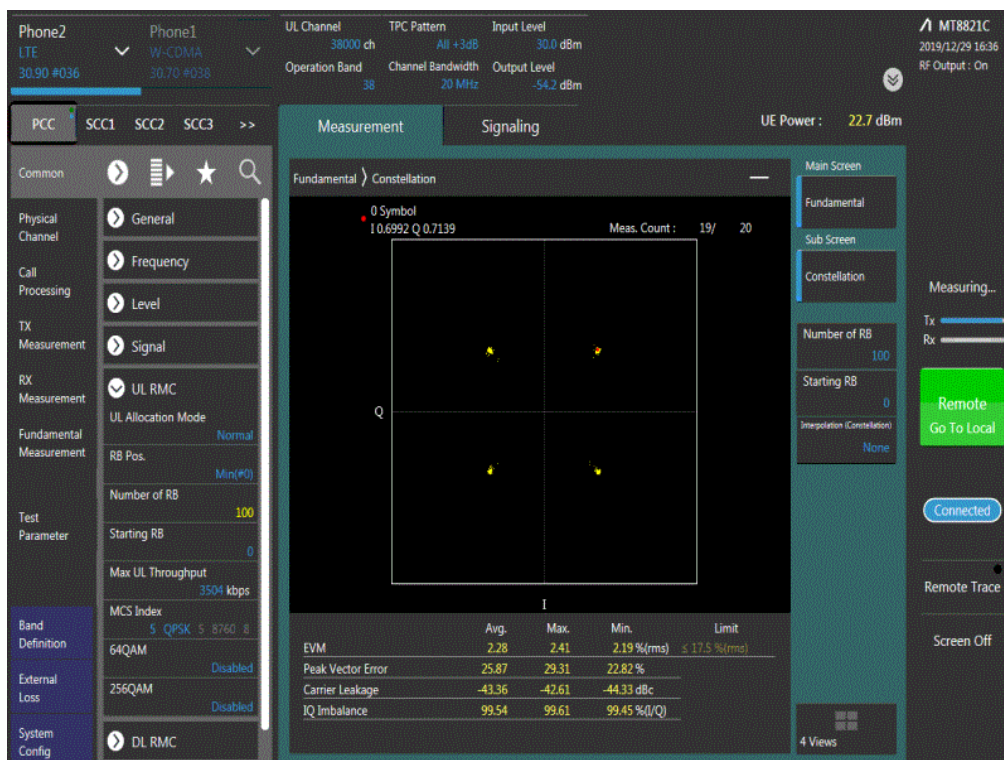
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

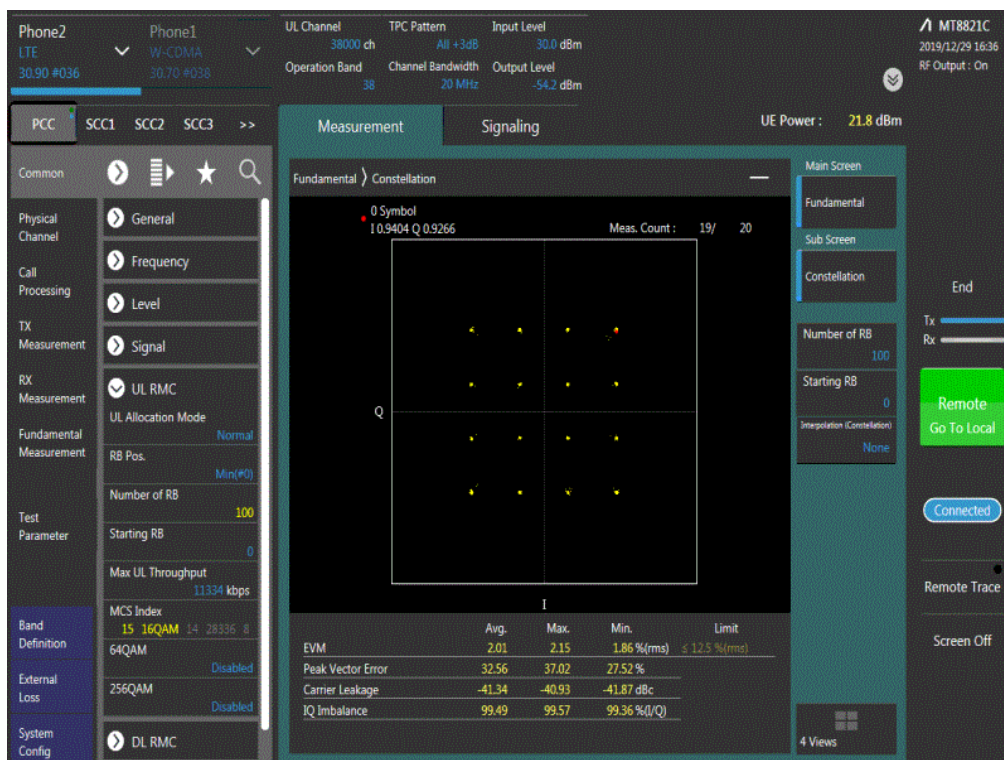
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

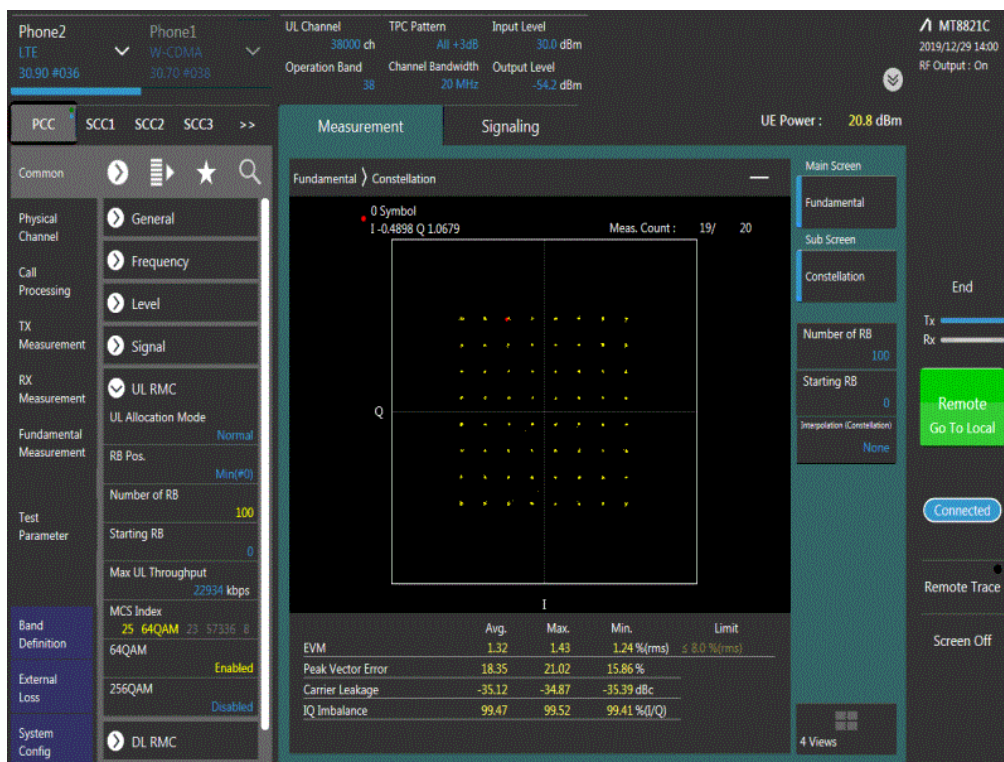
3.2.1. Test Channel = MCH





3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH





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	4.486	4.750	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.476	4.760	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.486	4.720	PASS
Band38	5MHz	64QAM	37775	25RB#0	4.476	4.670	PASS
Band38	5MHz	64QAM	38000	25RB#0	4.486	4.680	PASS
Band38	5MHz	64QAM	38225	25RB#0	4.476	4.750	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.486	4.760	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.486	4.720	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.486	4.730	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.991	9.460	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.891	9.260	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.951	9.320	PASS
Band38	10MHz	64QAM	37800	50RB#0	8.891	9.380	PASS
Band38	10MHz	64QAM	38000	50RB#0	8.951	9.220	PASS
Band38	10MHz	64QAM	38200	50RB#0	8.971	9.440	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.891	9.480	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.931	9.540	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.891	9.260	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.427	15.090	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.576	14.400	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.576	14.370	PASS
Band38	15MHz	64QAM	37825	75RB#0	13.397	14.490	PASS
Band38	15MHz	64QAM	38000	75RB#0	13.576	14.190	PASS
Band38	15MHz	64QAM	38175	75RB#0	13.606	14.190	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.636	14.190	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.427	14.130	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.397	14.190	PASS
Band38	20MHz	QPSK	37850	100RB#0	18.142	18.920	PASS
Band38	20MHz	QPSK	38000	100RB#0	18.062	18.760	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.902	18.680	PASS
Band38	20MHz	64QAM	37850	100RB#0	18.142	18.880	PASS
Band38	20MHz	64QAM	38000	100RB#0	18.022	18.640	PASS



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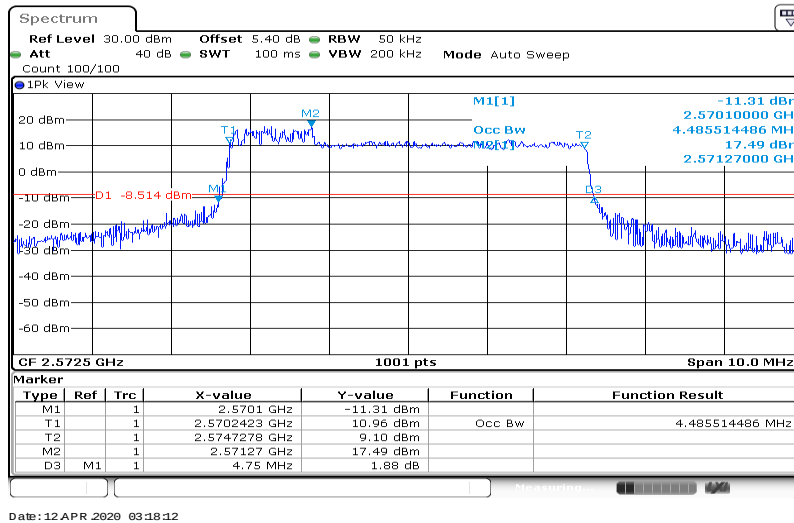
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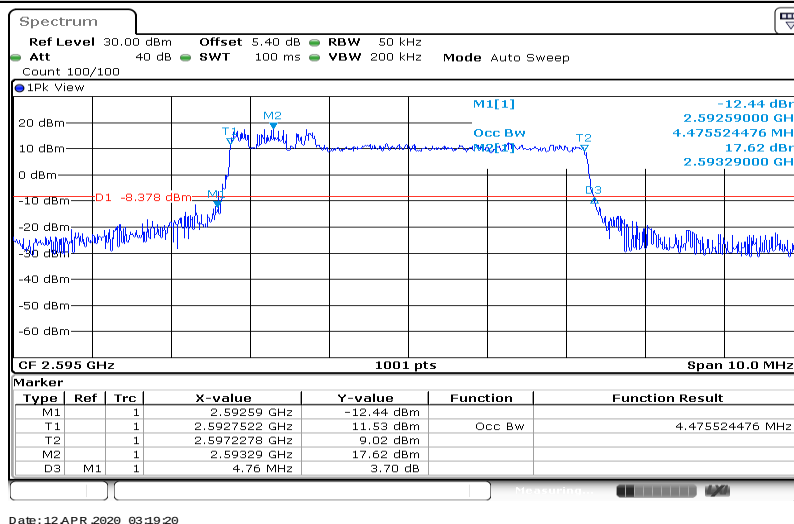
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Band38	20MHz	16QAM	37850	100RB#0	17.822	19.000	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.822	19.000	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.782	18.640	PASS

4.2. Test Plots

Band38-5MHz-QPSK-37775-25RB#0-4.486



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

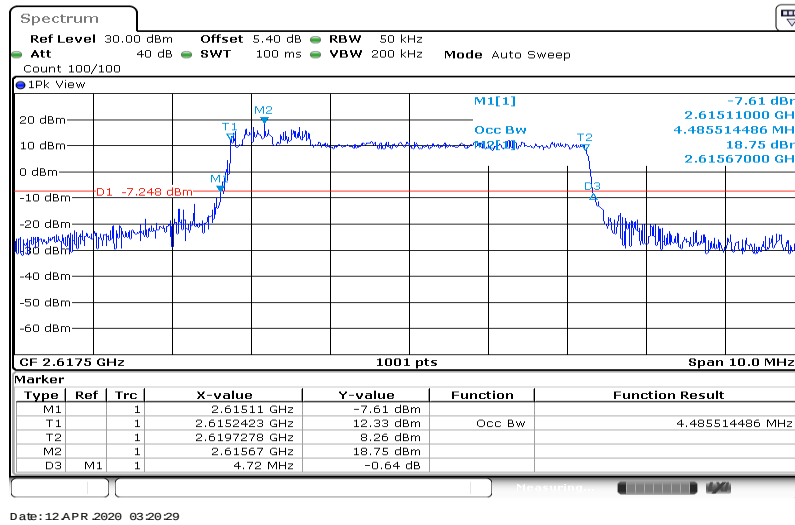


Band38-5MHz-QPSK-38225-25RB#0-4.486

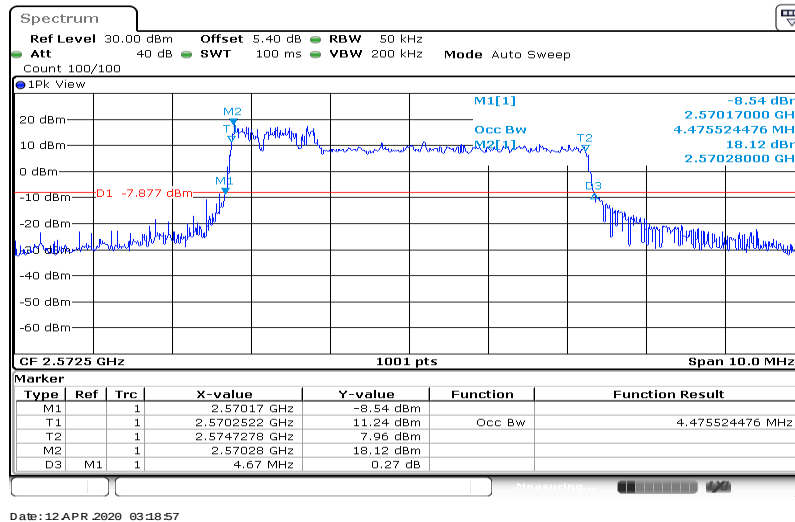


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Band38-5MHz-64QAM-37775-25RB#0-4.476

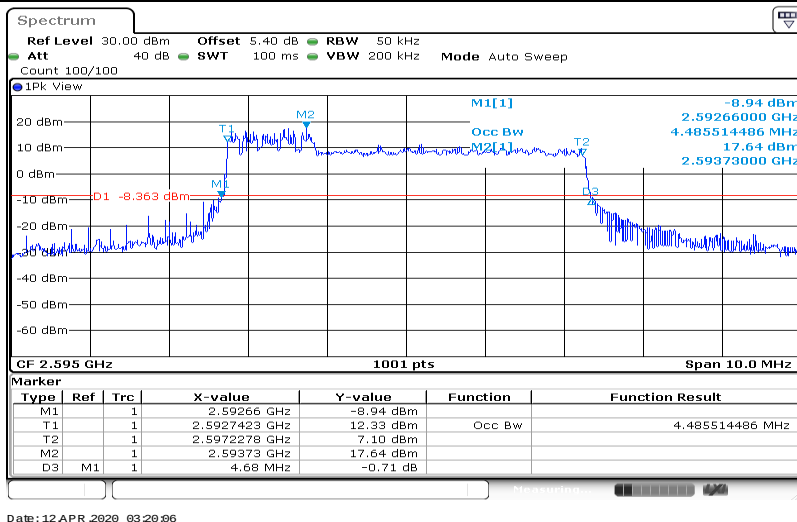


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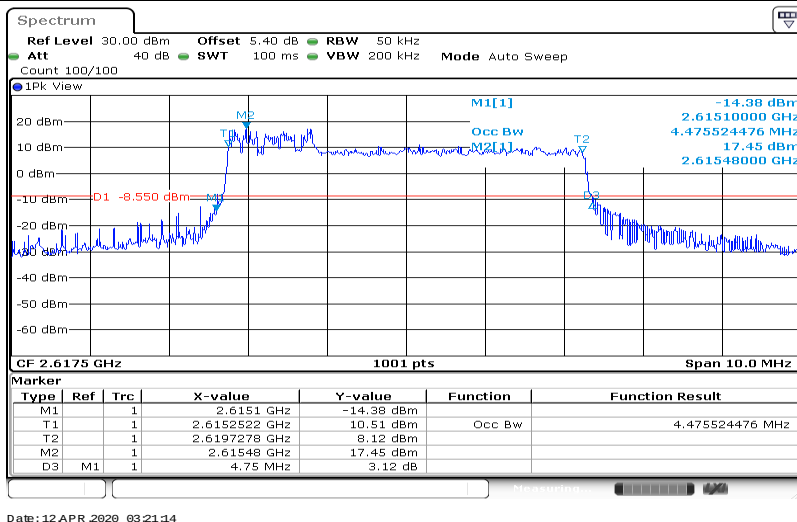


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Band38-5MHz-64QAM-38225-25RB#0-4.476

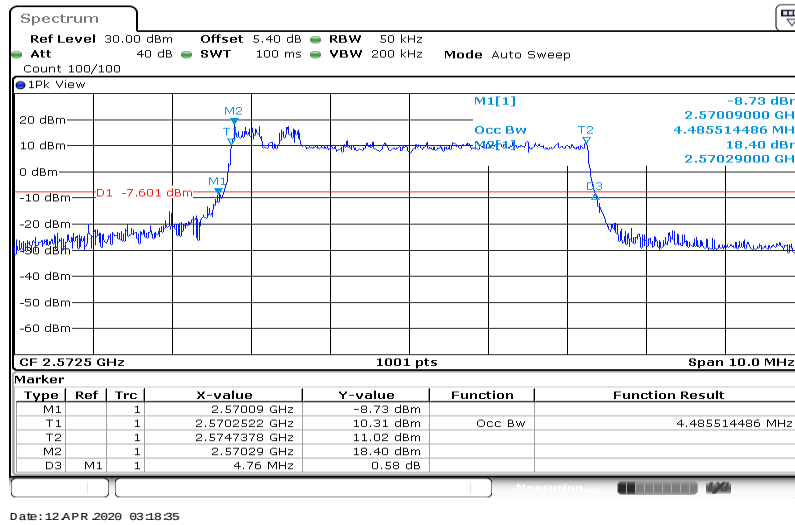


Band38-5MHz-16QAM-37775-25RB#0-4.486

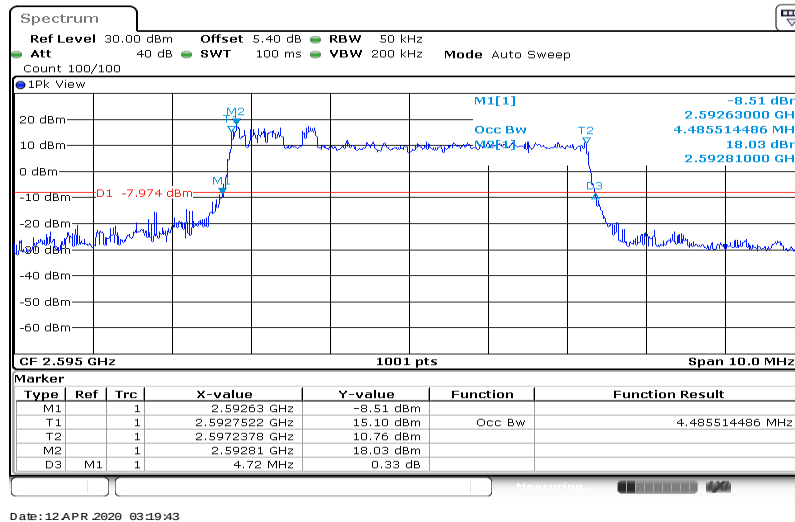


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Band38-5MHz-16QAM-38000-25RB#0-4.486

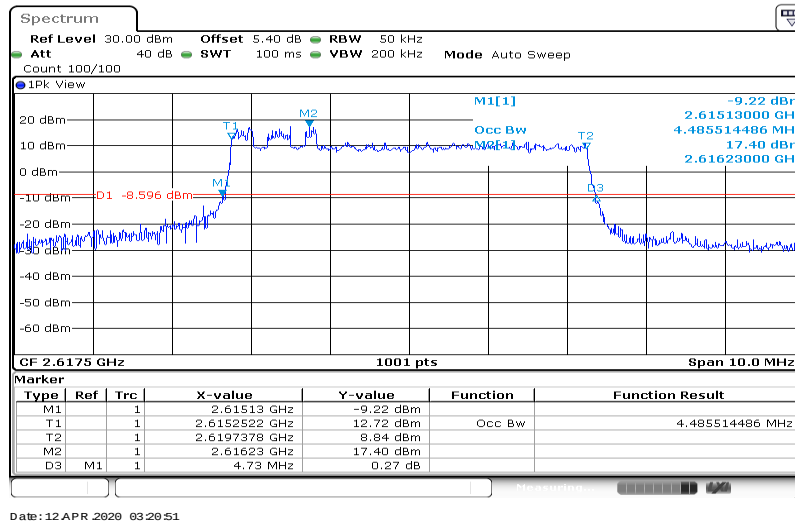


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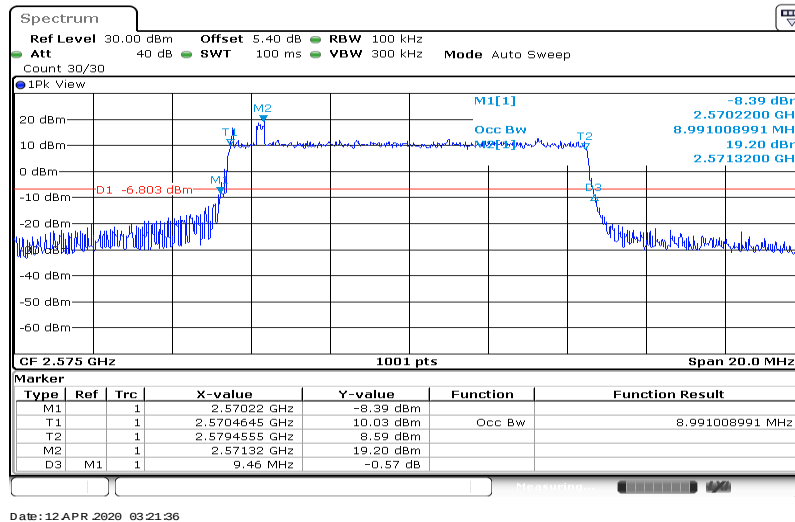


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Band38-10MHz-QPSK-37800-50RB#0-8.991

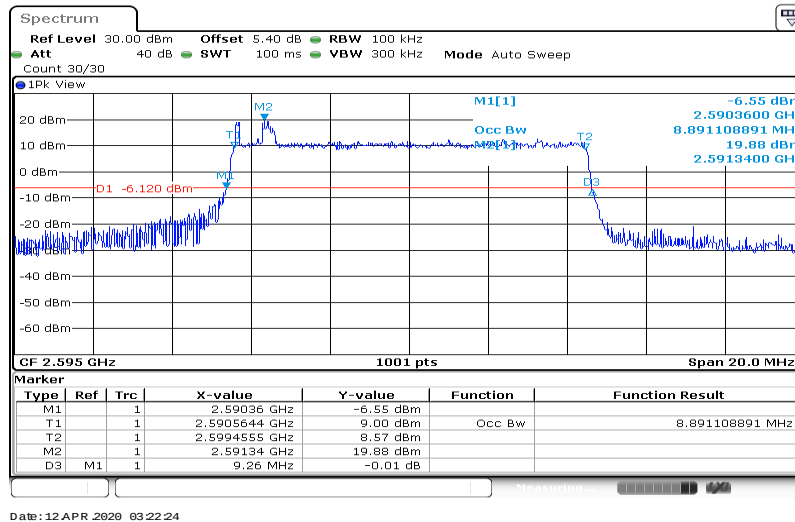


Band38-10MHz-QPSK-38000-50RB#0-8.891

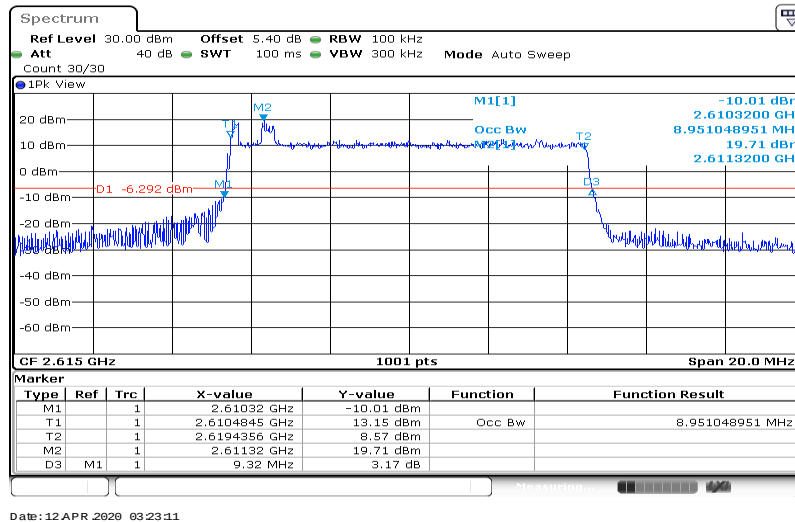


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Band38-10MHz-QPSK-38200-50RB#0-8.951

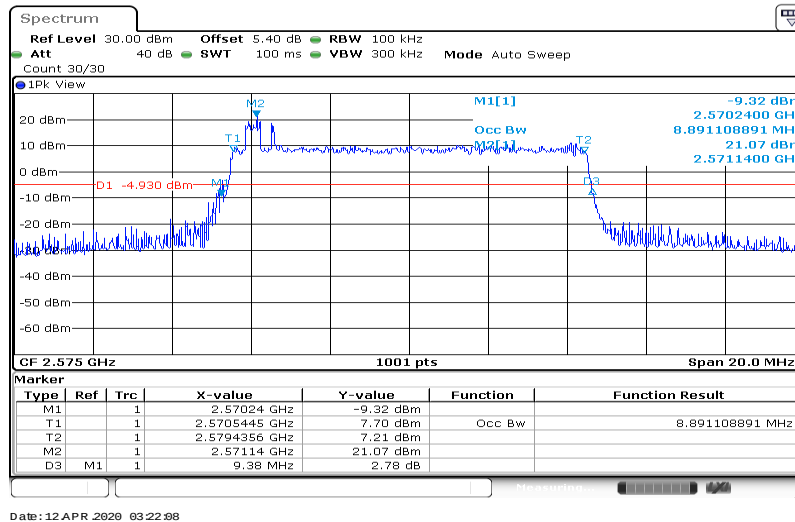


Band38-10MHz-64QAM-37800-50RB#0-8.891

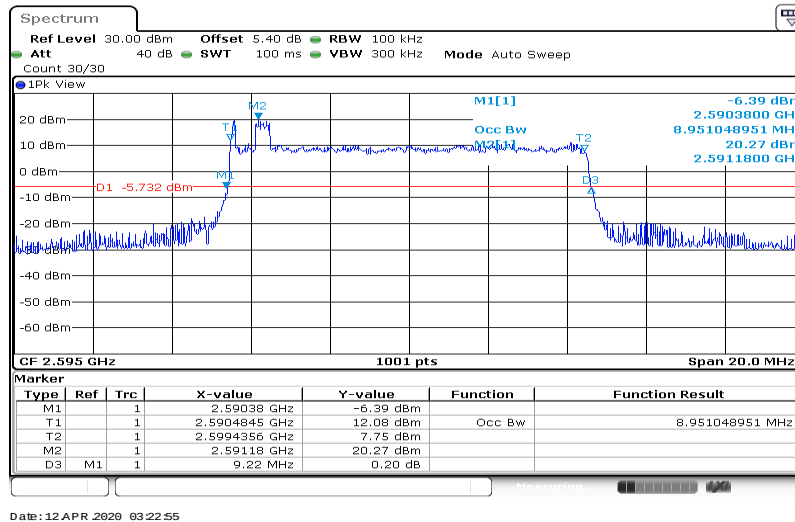


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Band38-10MHz-64QAM-38000-50RB#0-8.951

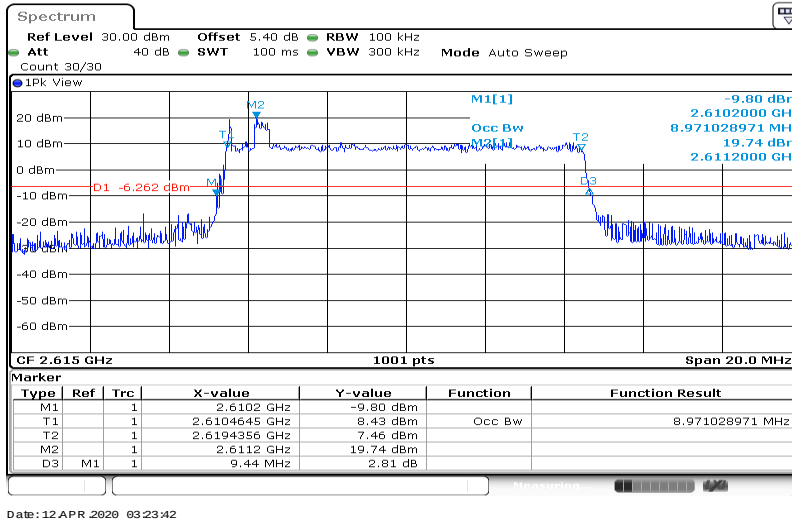


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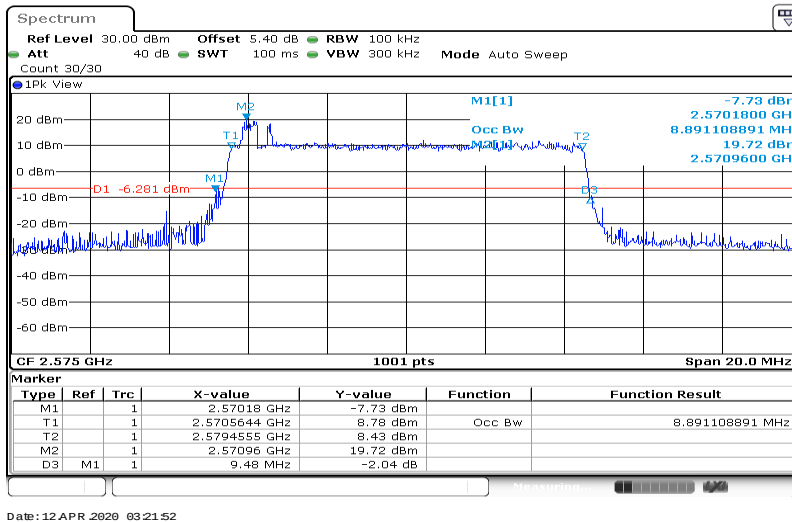


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Band38-10MHz-16QAM-37800-50RB#0-8.91

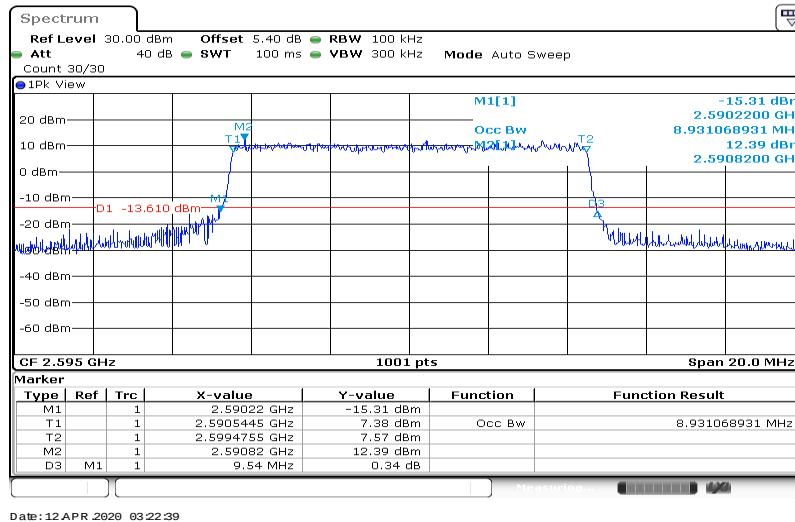


Band38-10MHz-16QAM-38000-50RB#0-8.931

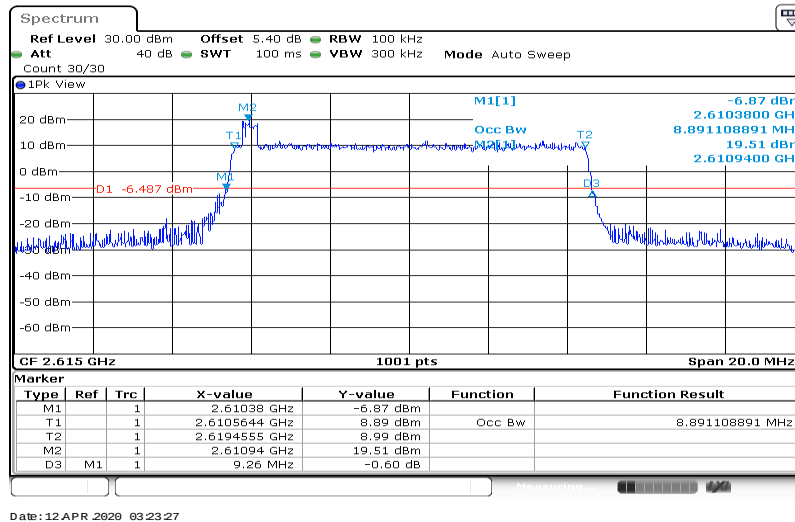


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Band38-10MHz-16QAM-38200-50RB#0-8.891

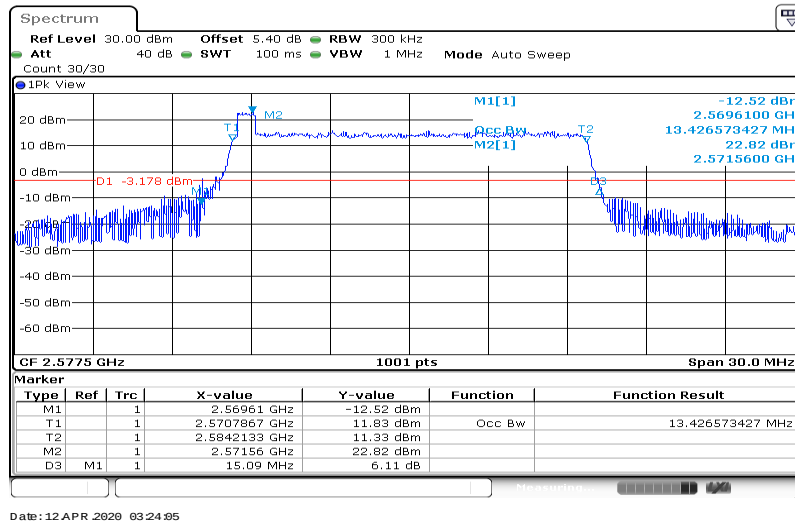


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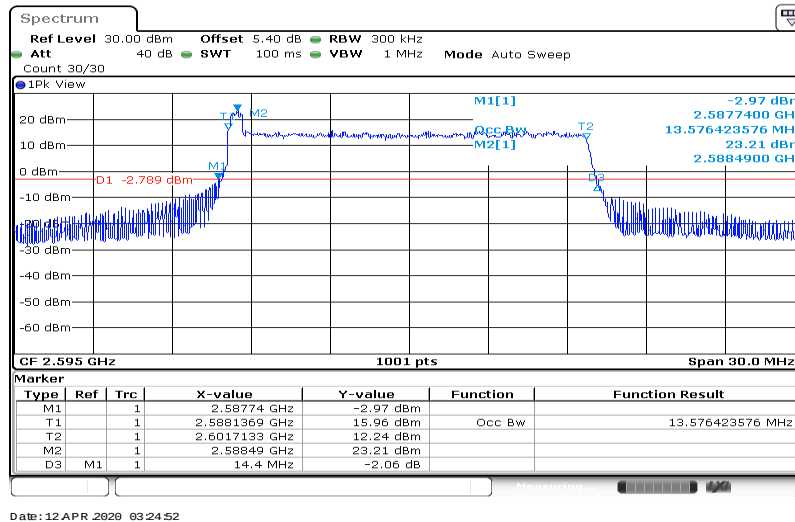


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Band38-15MHz-QPSK-38000-75RB#0-13.576

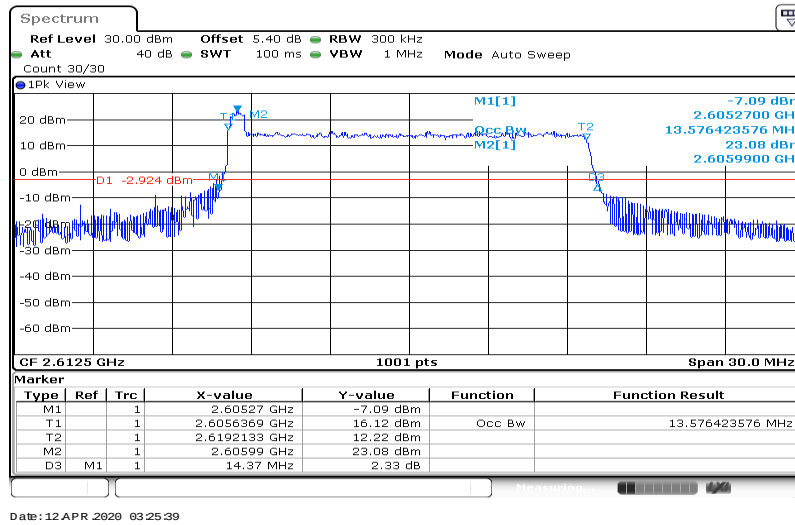


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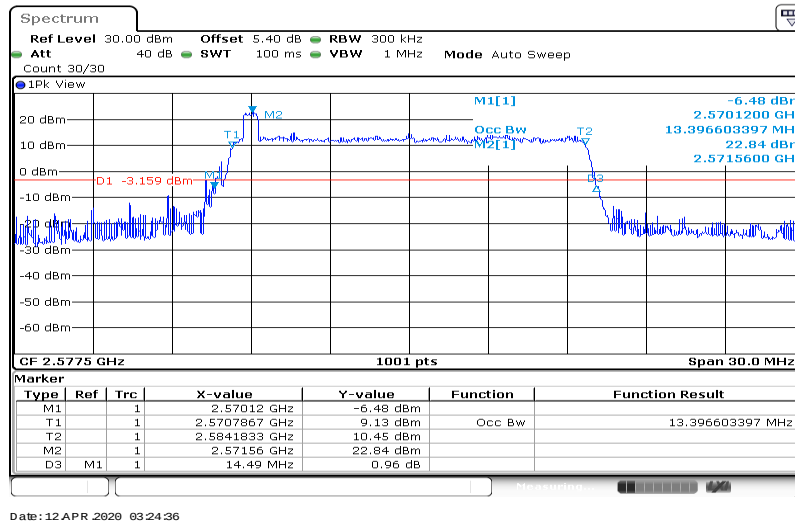


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Band38-15MHz-64QAM-37825-75RB#0-13.397

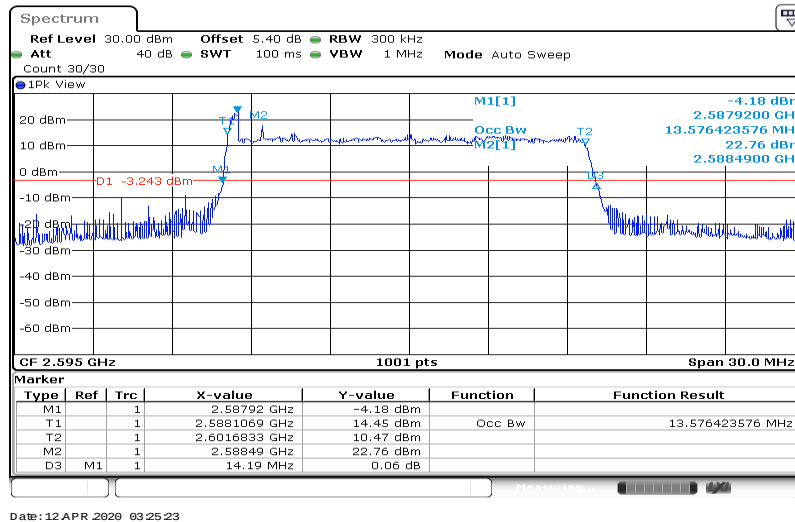


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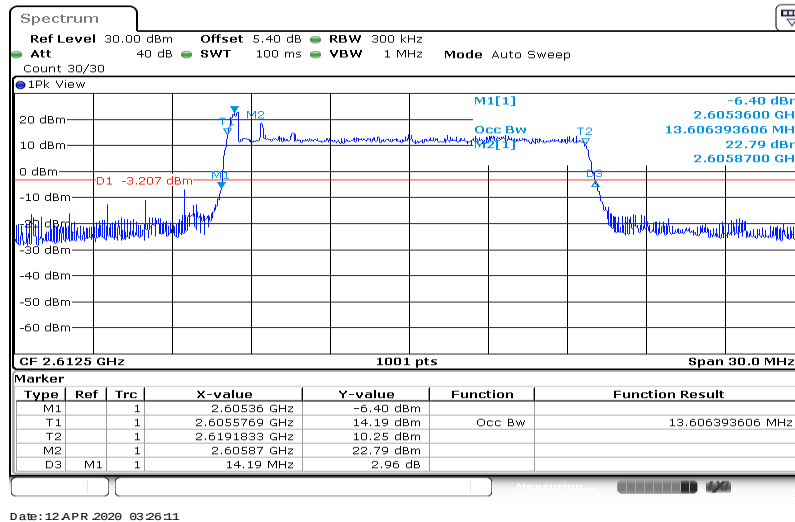


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Band38-15MHz-64QAM-38175-75RB#0-13.606

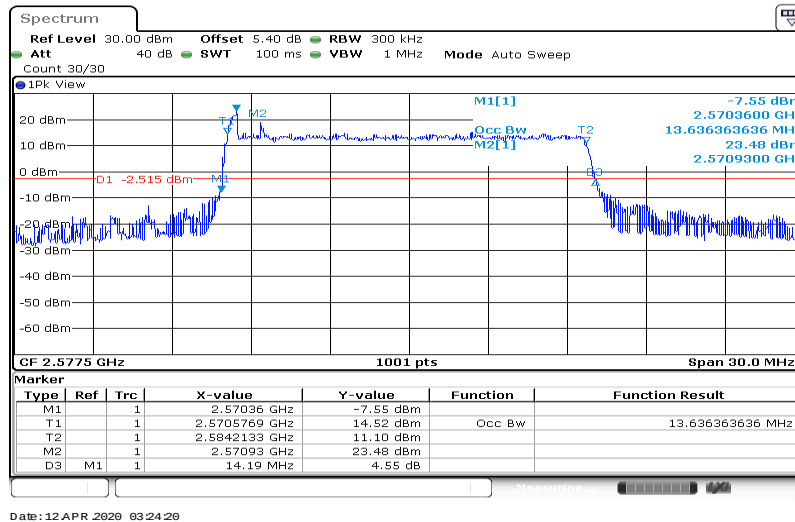


Band38-15MHz-16QAM-37825-75RB#0-13.636

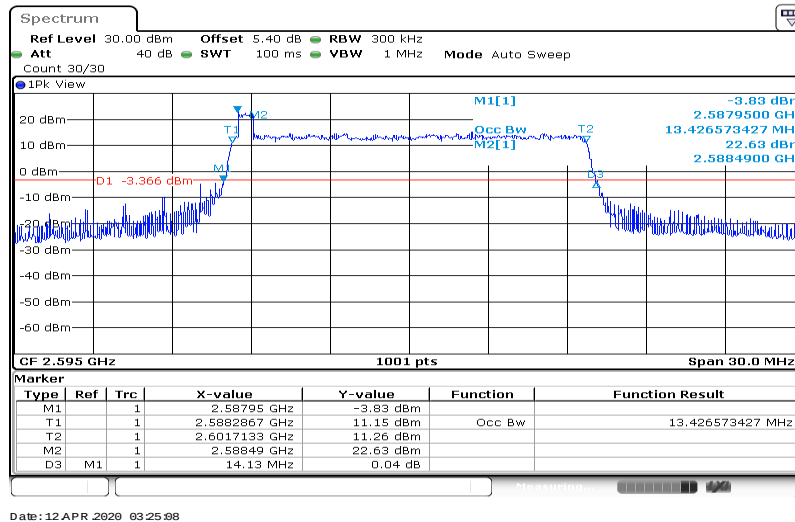


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Band38-15MHz-16QAM-38000-75RB#0-13.427

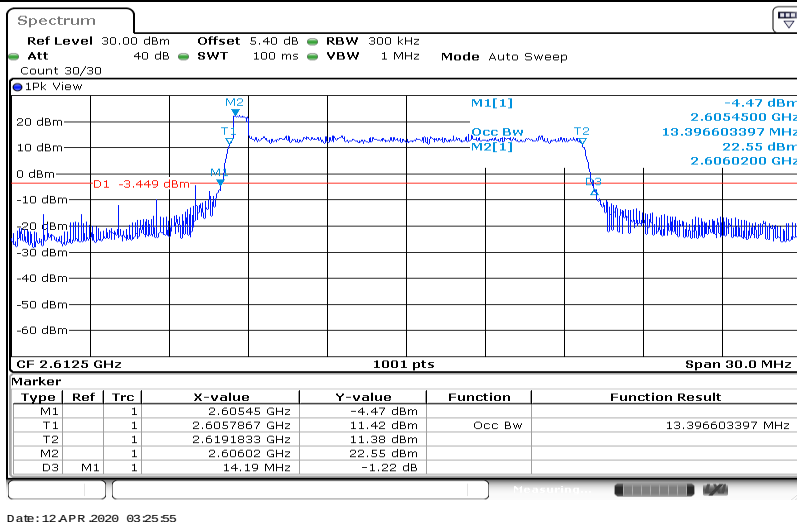


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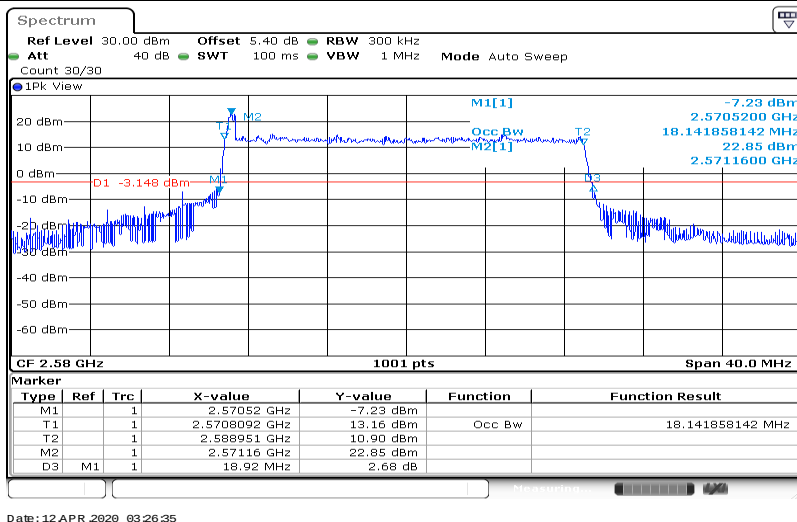


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Band38-20MHz-QPSK-37850-100RB#0-18.142

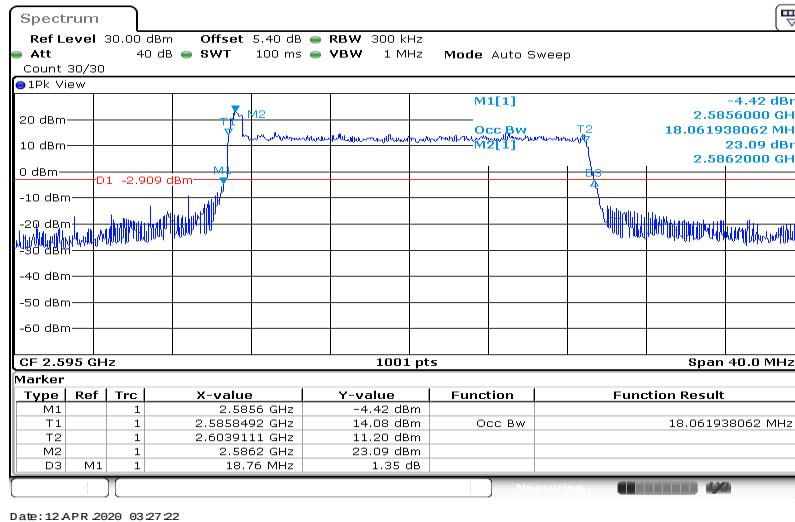


Band38-20MHz-QPSK-38000-100RB#0-18.062

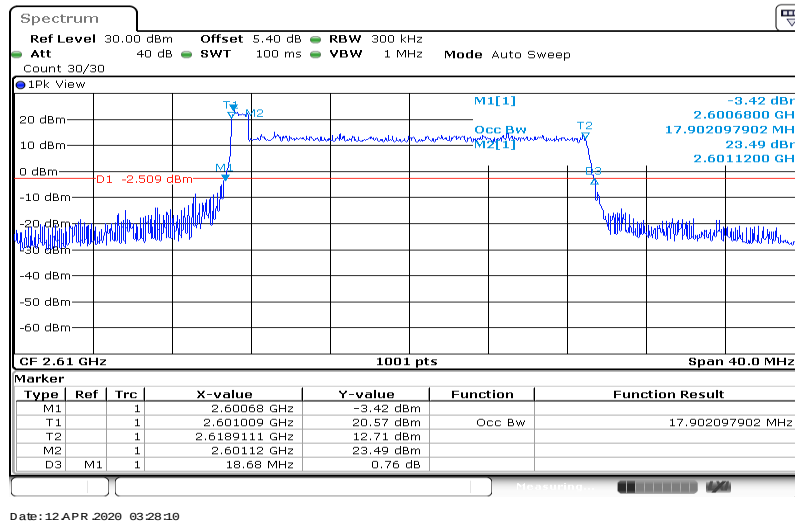


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Band38-20MHz-QPSK-38150-100RB#0-17.902

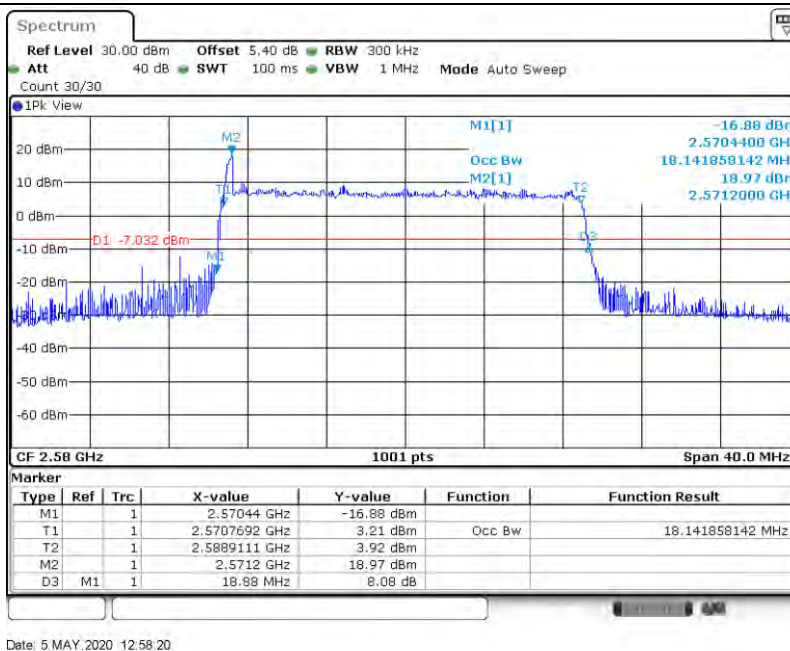


Band38-20MHz-64QAM-37850-100RB#0-17.542

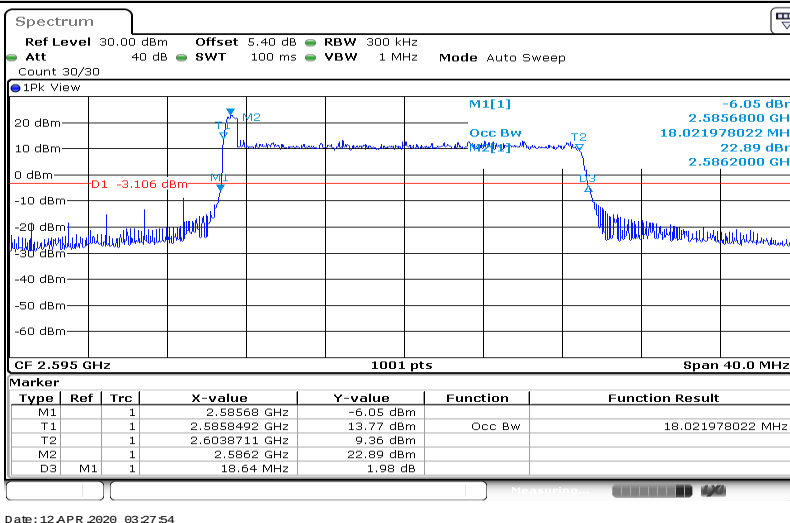


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Band38-20MHz-64QAM-38000-100RB#0-18.022

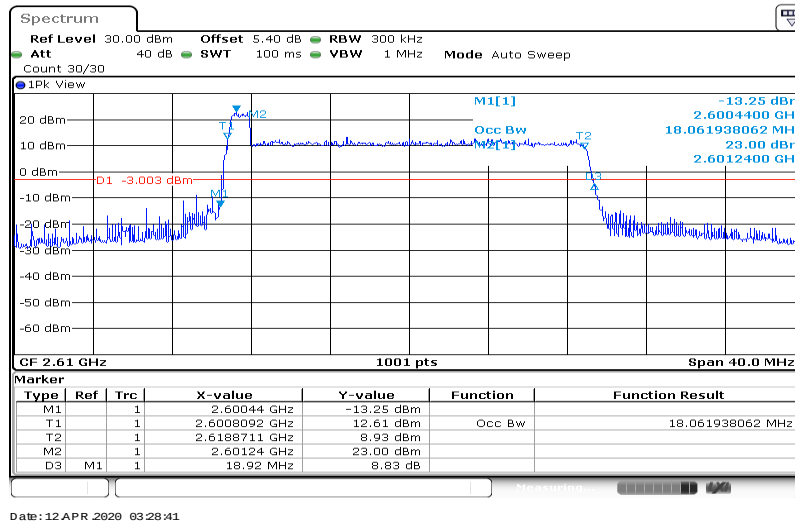


Band38-20MHz-64QAM-38150-100RB#0-18.062

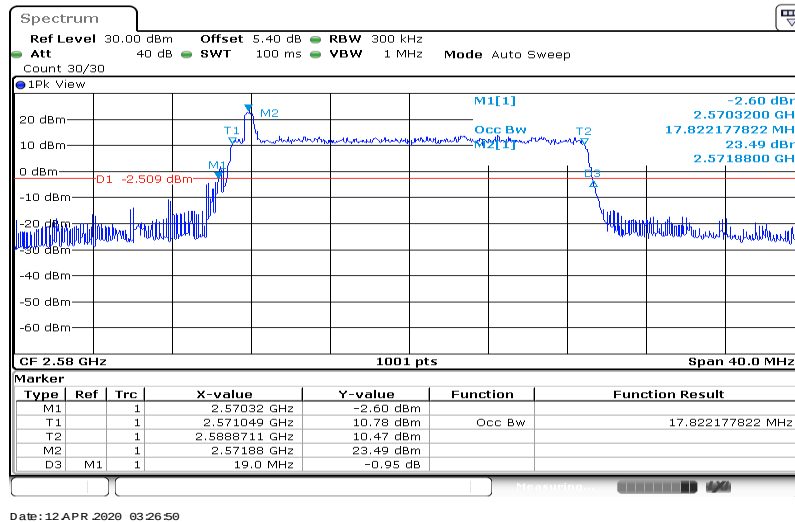


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Band38-20MHz-16QAM-37850-100RB#0-17.822

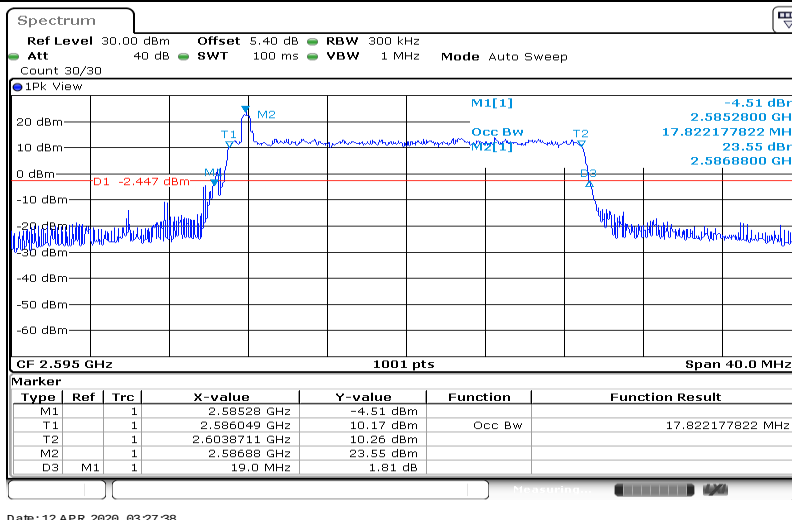


Band38-20MHz-16QAM-38000-100RB#0-17.822

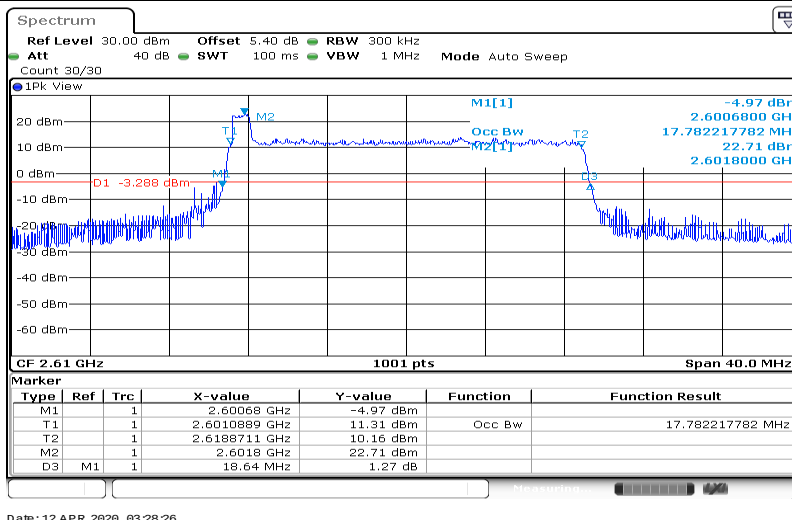


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Band38-20MHz-16QAM-38150-100RB#0-17.782





5. Band Edge Compliance

5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	-47.35,-44.83,-14.71	PASS
Band38	5MHz	QPSK	37775	25RB#0	-41.02,-40.61,-20.78	PASS
Band38	5MHz	QPSK	38225	1RB#24	-43.38,-45.86,-15.85	PASS
Band38	5MHz	QPSK	38225	25RB#0	-40.24,-39.88,-27.02	PASS
Band38	5MHz	64QAM	37775	1RB#0	-50.00,-45.85,-16.24	PASS
Band38	5MHz	64QAM	37775	25RB#0	-42.08,-40.56,-28.07	PASS
Band38	5MHz	64QAM	38225	1RB#24	-46.65,-48.55,-17.09	PASS
Band38	5MHz	64QAM	38225	25RB#0	-41.64,-39.87,-26.30	PASS
Band38	5MHz	16QAM	37775	1RB#0	-48.73,-46.80,-13.95	PASS
Band38	5MHz	16QAM	37775	25RB#0	-41.00,-40.13,-27.05	PASS
Band38	5MHz	16QAM	38225	1RB#24	-42.94,-46.45,-15.40	PASS
Band38	5MHz	16QAM	38225	25RB#0	-40.68,-39.07,-26.20	PASS
Band38	10MHz	QPSK	37800	1RB#0	-44.86,-40.49,-17.35	PASS
Band38	10MHz	QPSK	37800	50RB#0	-39.20,-35.22,-21.28	PASS
Band38	10MHz	QPSK	38200	1RB#49	-43.39,-38.16,-18.35	PASS
Band38	10MHz	QPSK	38200	50RB#0	-38.07,-29.12,-28.46	PASS
Band38	10MHz	64QAM	37800	1RB#0	-48.82,-42.83,-18.34	PASS
Band38	10MHz	64QAM	37800	50RB#0	-39.92,-35.35,-21.49	PASS
Band38	10MHz	64QAM	38200	1RB#49	-50.16,-28.83,-19.21	PASS
Band38	10MHz	64QAM	38200	50RB#0	-38.71,-33.23,-28.68	PASS
Band38	10MHz	16QAM	37800	1RB#0	-48.42,-41.89,-16.65	PASS
Band38	10MHz	16QAM	37800	50RB#0	-38.93,-34.28,-29.19	PASS
Band38	10MHz	16QAM	38200	1RB#49	-43.21,-29.03,-19.47	PASS
Band38	10MHz	16QAM	38200	50RB#0	-37.24,-28.83,-28.64	PASS
Band38	15MHz	QPSK	37825	1RB#0	-47.89,-39.66,-18.55	PASS
Band38	15MHz	QPSK	37825	75RB#0	-40.41,-33.52,-28.95	PASS
Band38	15MHz	QPSK	38175	1RB#74	-43.96,-28.65,-19.05	PASS
Band38	15MHz	QPSK	38175	75RB#0	-38.14,-31.74,-28.21	PASS
Band38	15MHz	64QAM	37825	1RB#0	-48.52,-41.58,-20.44	PASS
Band38	15MHz	64QAM	37825	75RB#0	-40.47,-33.75,-29.42	PASS
Band38	15MHz	64QAM	38175	1RB#74	-48.48,-42.55,-20.76	PASS
Band38	15MHz	64QAM	38175	75RB#0	-39.19,-31.68,-28.92	PASS
Band38	15MHz	16QAM	37825	1RB#0	-45.29,-38.33,-19.09	PASS



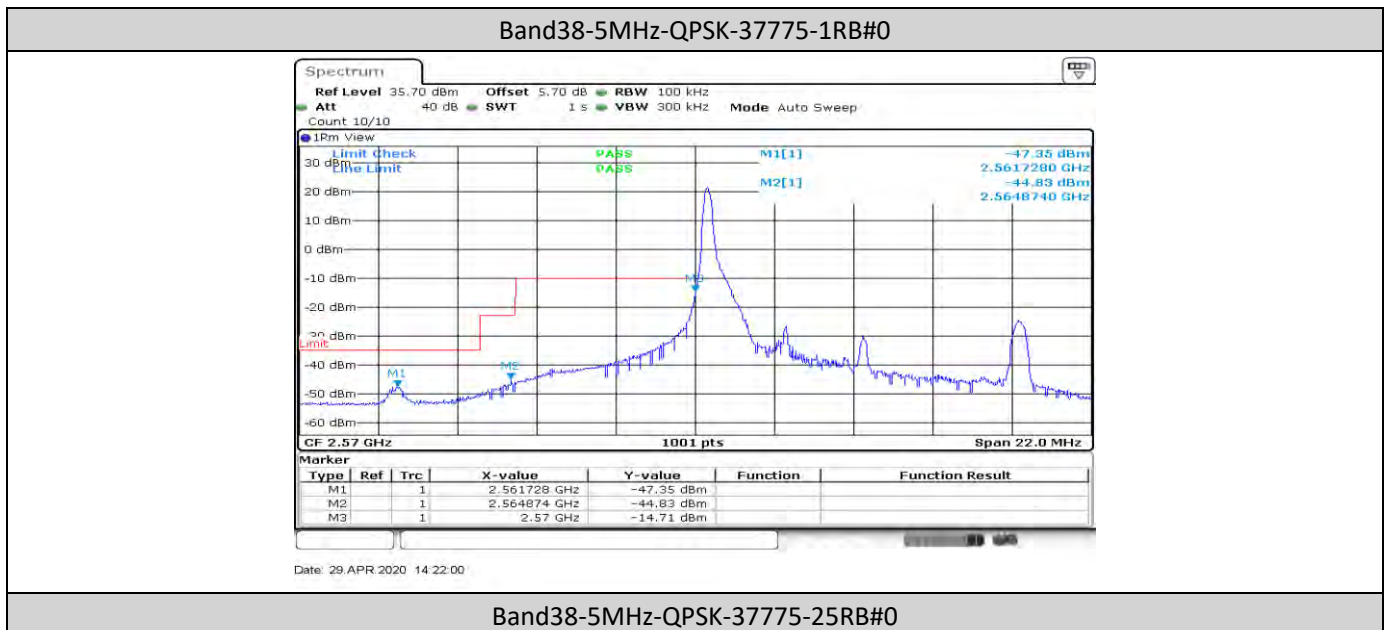
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Band38	15MHz	16QAM	37825	75RB#0	-39.97,-33.17,-29.54	PASS
Band38	15MHz	16QAM	38175	1RB#74	-44.84,-26.88,-18.98	PASS
Band38	15MHz	16QAM	38175	75RB#0	-37.63,-30.85,-28.41	PASS
Band38	20MHz	QPSK	37850	1RB#0	-46.41,-38.14,-18.56	PASS
Band38	20MHz	QPSK	37850	100RB#0	-39.44,-31.68,-27.41	PASS
Band38	20MHz	QPSK	38150	1RB#99	-45.99,-38.35,-18.07	PASS
Band38	20MHz	QPSK	38150	100RB#0	-37.05,-29.97,-27.73	PASS
Band38	20MHz	64QAM	37850	1RB#0	-46.14,-39.14,-19.57	PASS
Band38	20MHz	64QAM	37850	100RB#0	-39.28,-31.55,-29.34	PASS
Band38	20MHz	64QAM	38150	1RB#99	-45.72,-26.47,-20.50	PASS
Band38	20MHz	64QAM	38150	100RB#0	-37.94,-29.76,-27.89	PASS
Band38	20MHz	16QAM	37850	1RB#0	-46.40,-38.87,-17.46	PASS
Band38	20MHz	16QAM	37850	100RB#0	-38.89,-31.04,-28.89	PASS
Band38	20MHz	16QAM	38150	1RB#99	-46.14,-38.95,-19.45	PASS
Band38	20MHz	16QAM	38150	100RB#0	-36.87,-29.19,-27.56	PASS

5.2. Test Plots





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

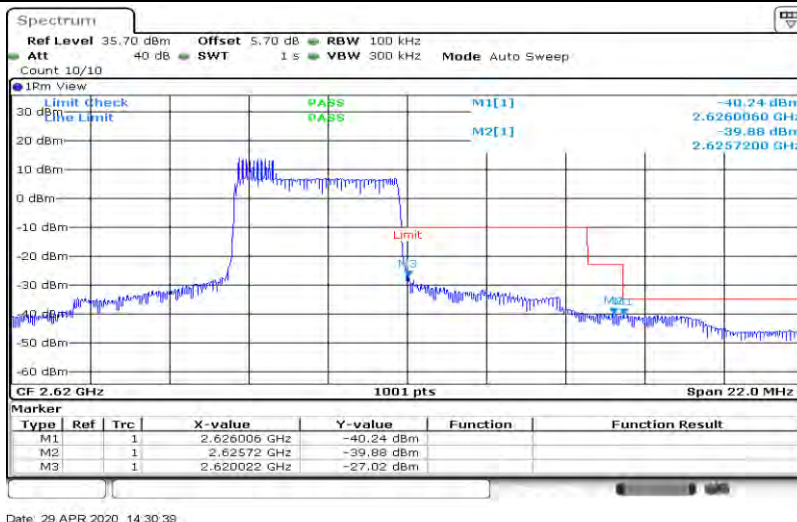


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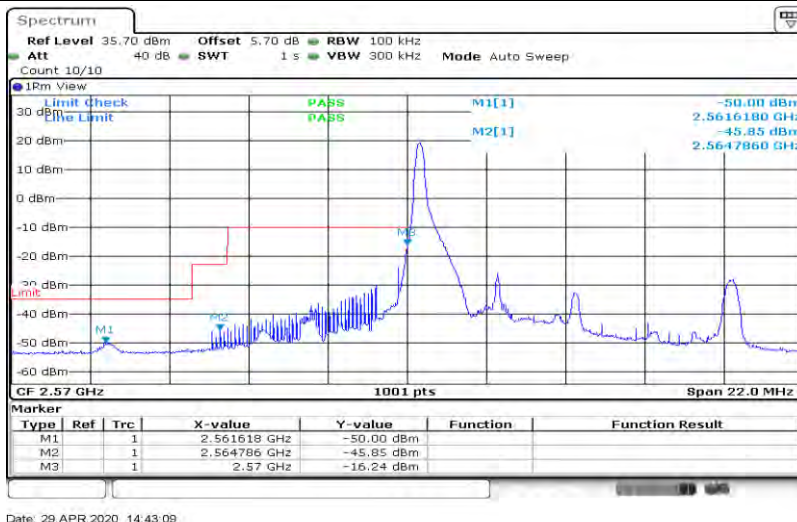


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Band38-5MHz-64QAM-37775-1RB#0



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



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

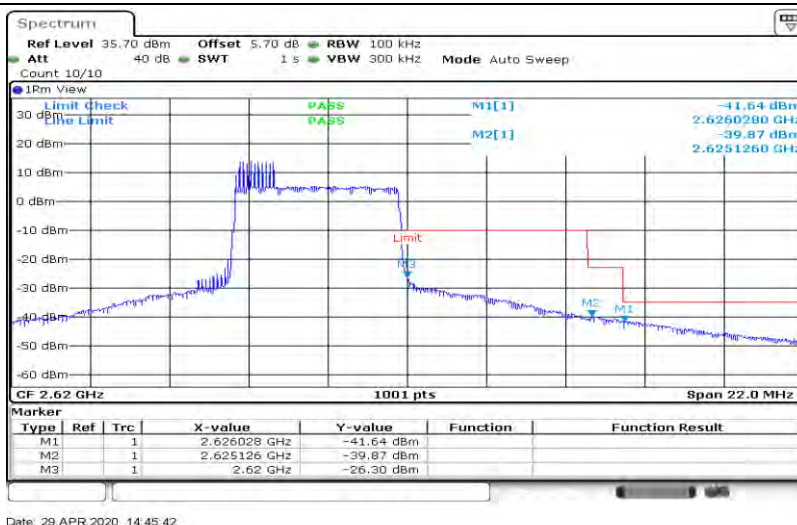


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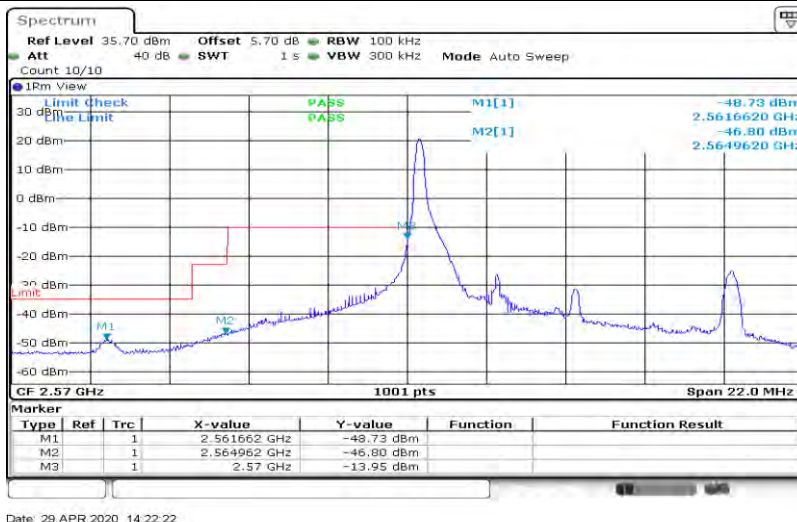


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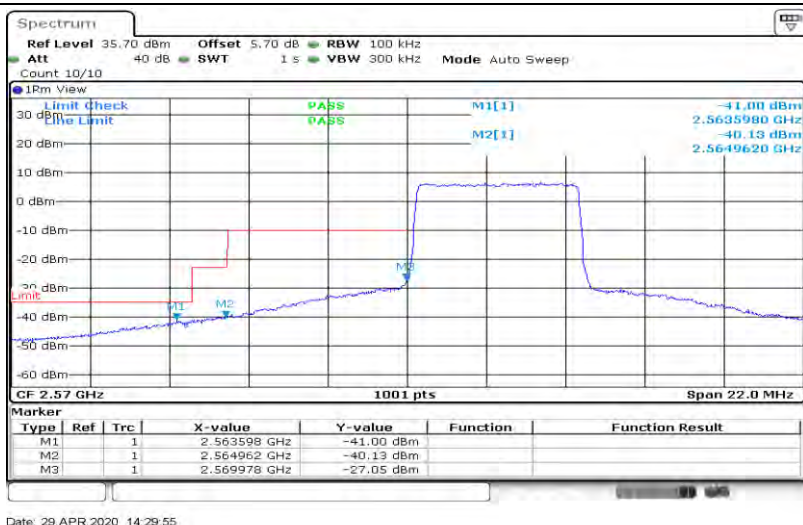


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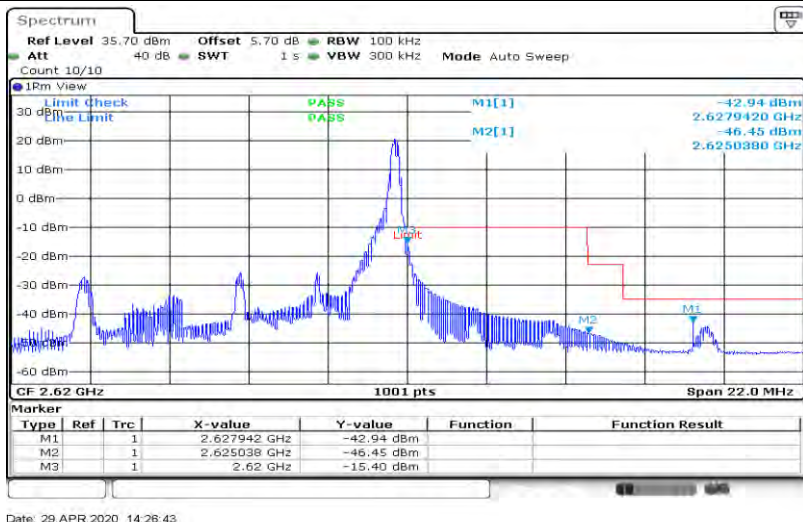


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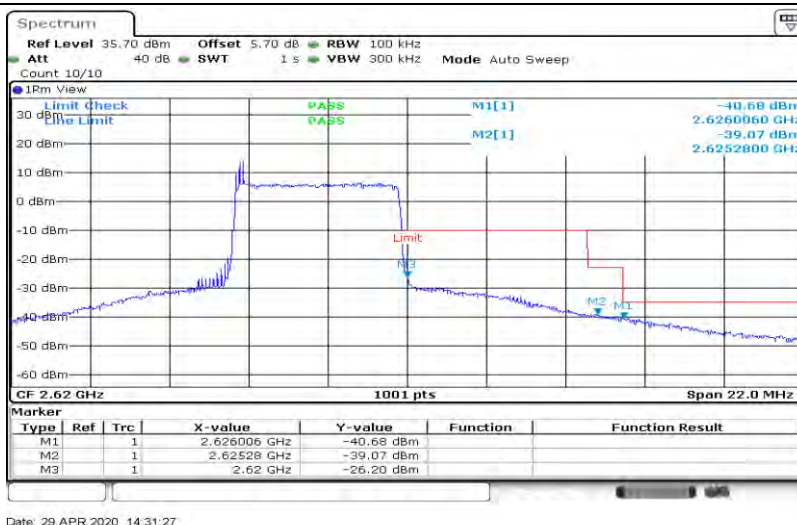


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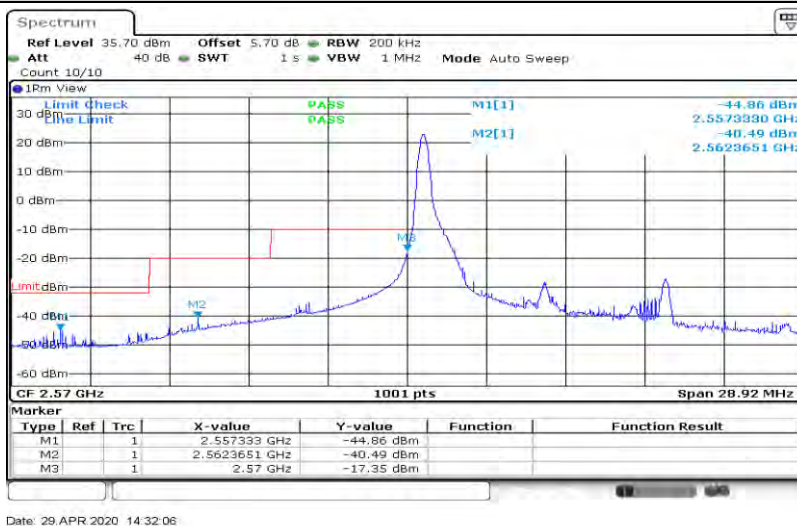


Band38-5MHz-16QAM-38225-25RB#0





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



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

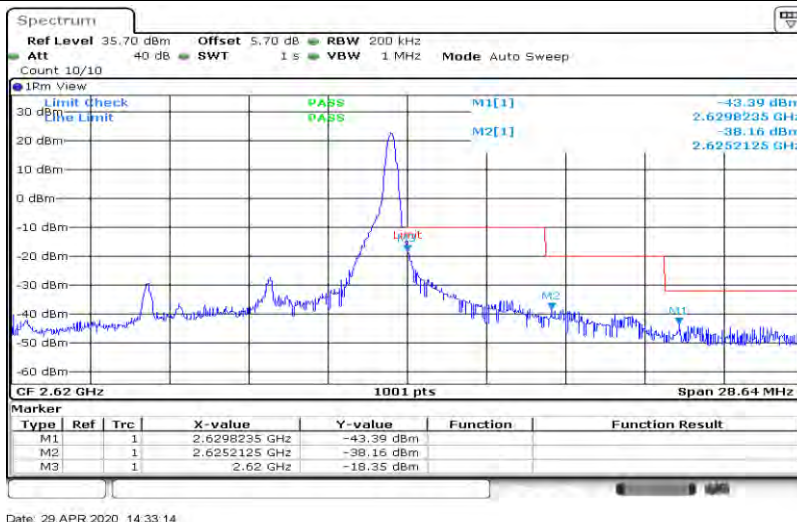


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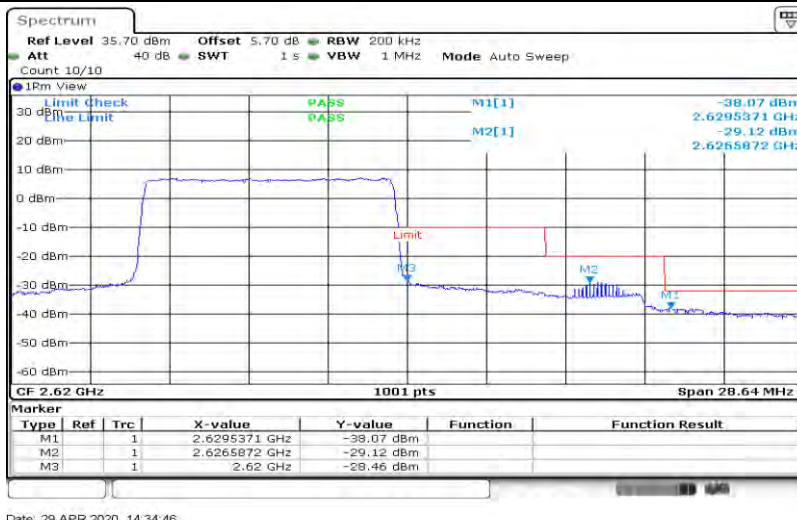


Band38-10MHz-QPSK-38200-1RB#49

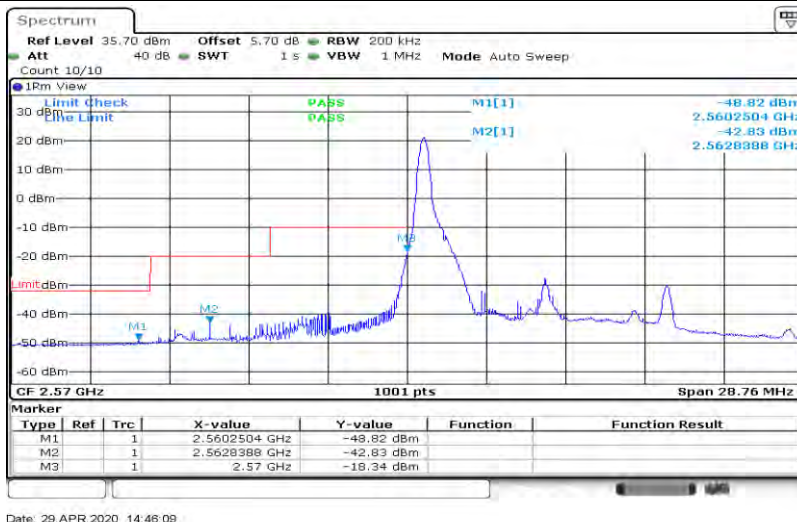


Band38-10MHz-QPSK-38200-50RB#0





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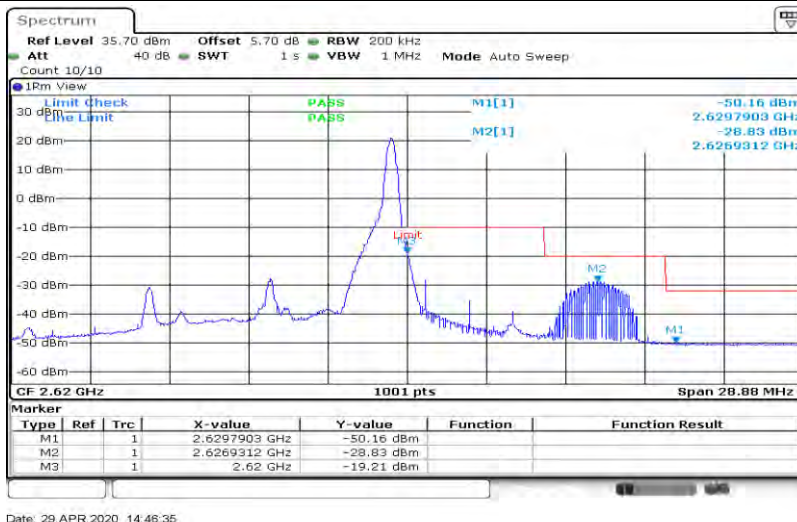


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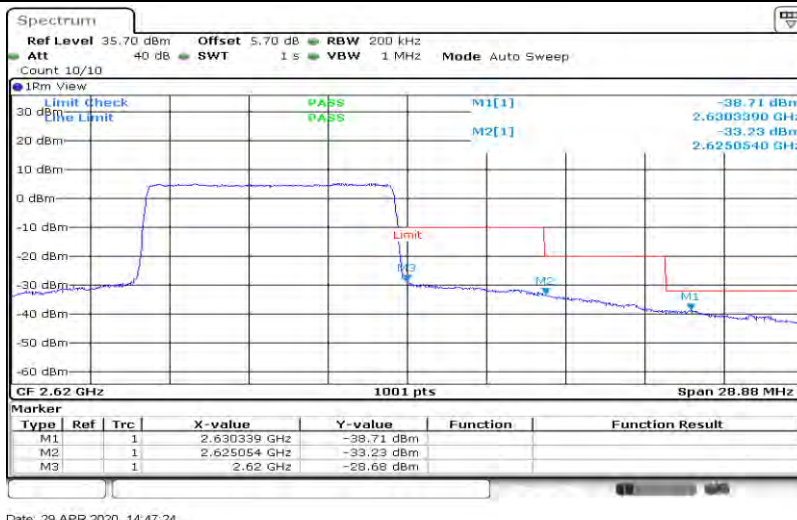


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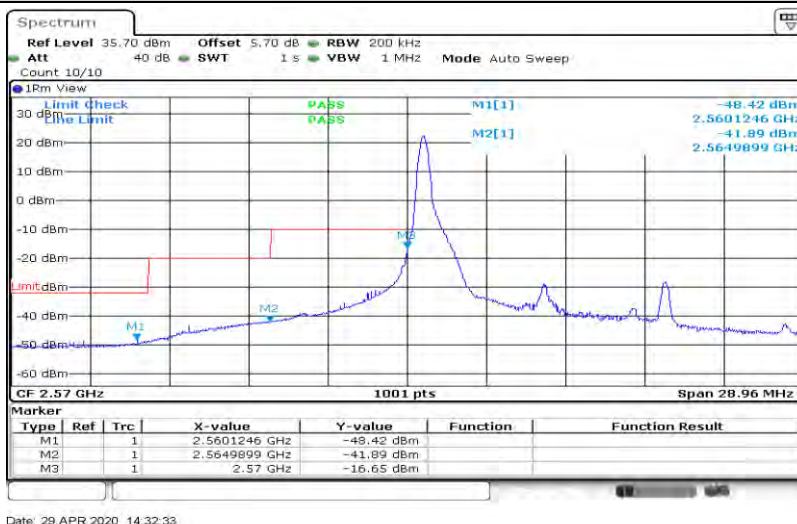


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Band38-10MHz-16QAM-37800-1RB#0

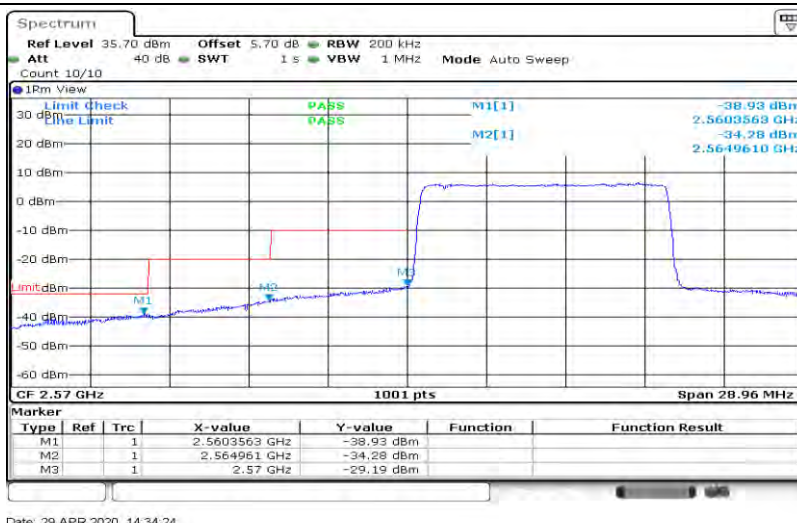


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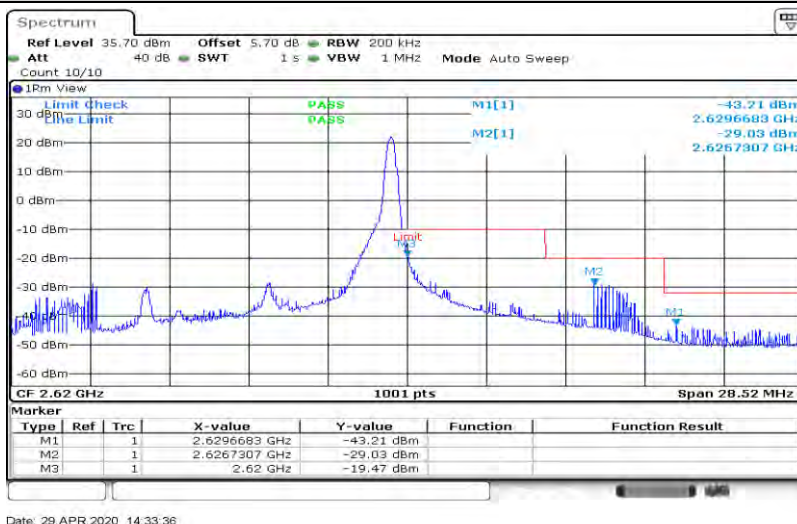


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Band38-10MHz-16QAM-38200-1RB#49

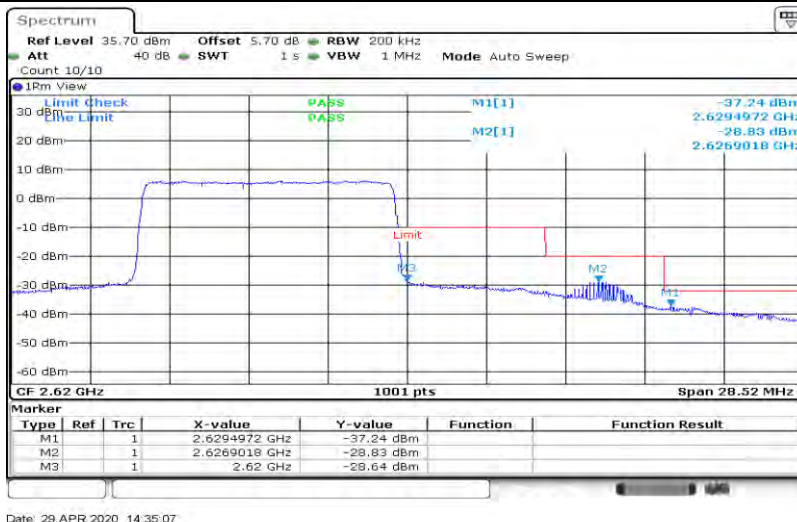


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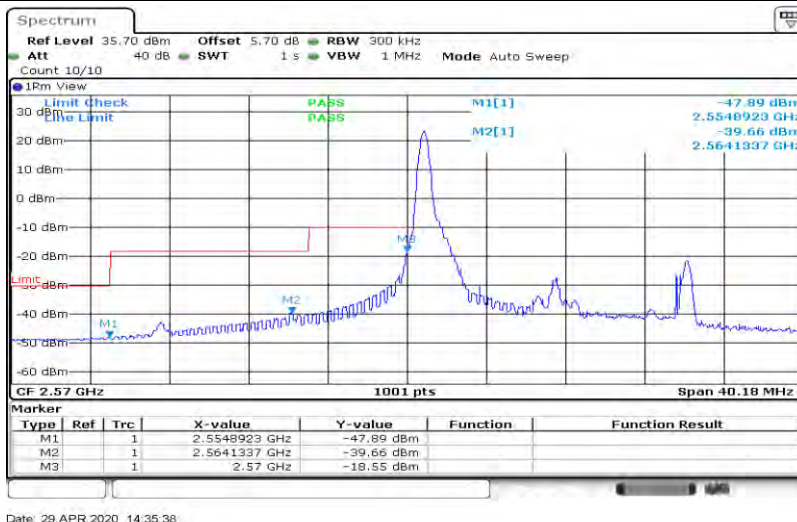


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Band38-15MHz-QPSK-37825-1RB#0

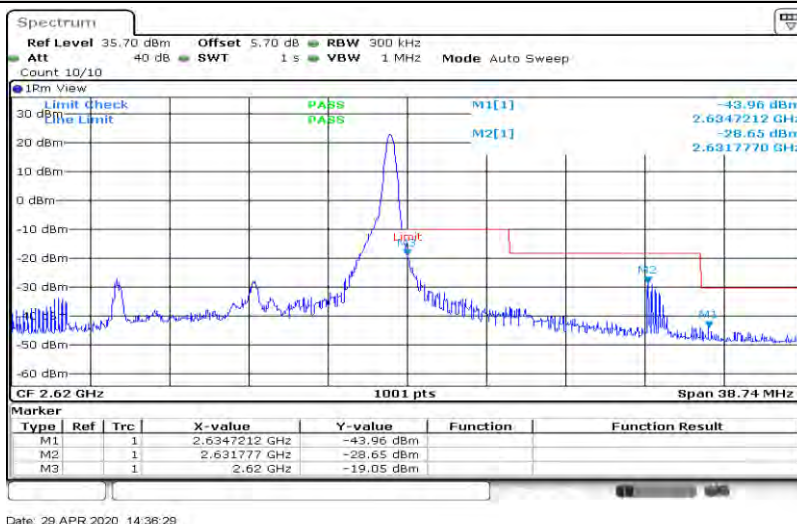


Band38-15MHz-QPSK-37825-75RB#0





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

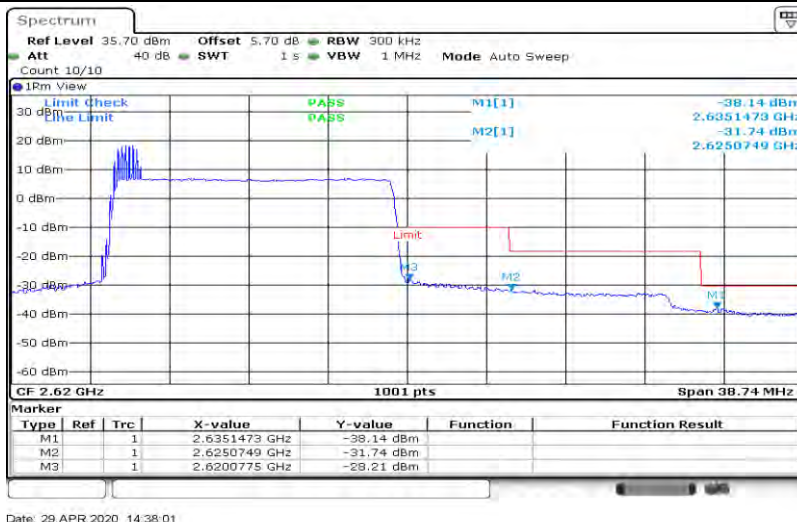


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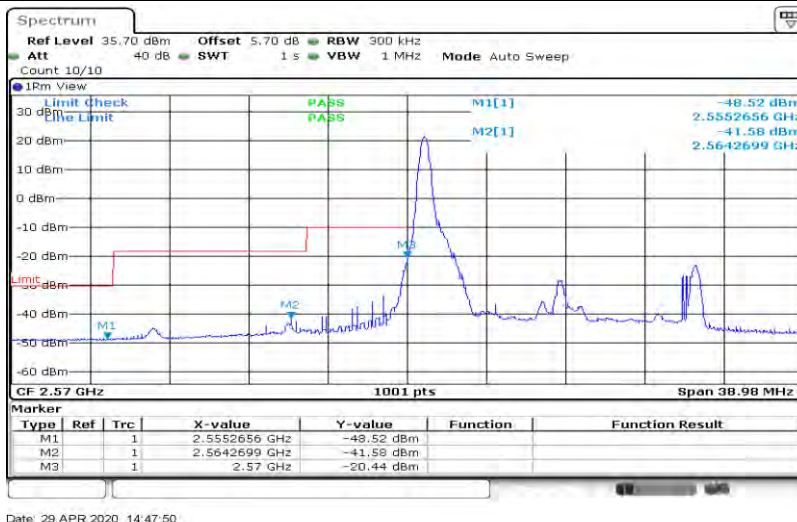


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Band38-15MHz-64QAM-37825-1RB#0



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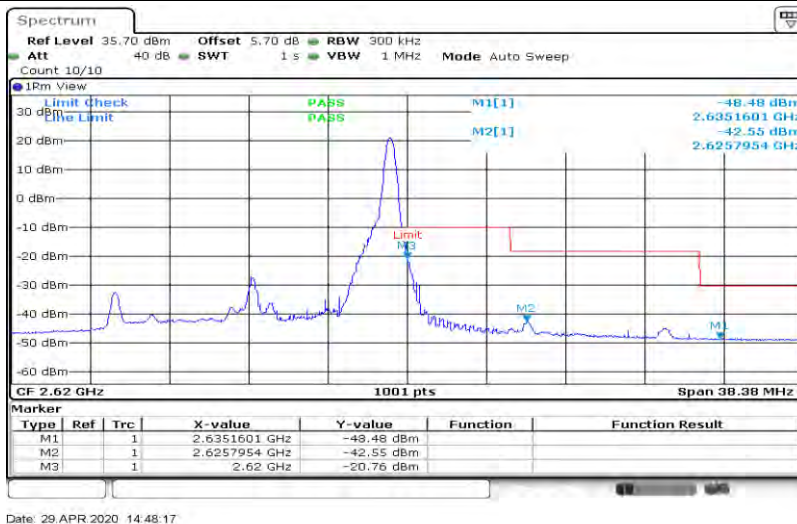


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Band38-15MHz-64QAM-38175-1RB#74

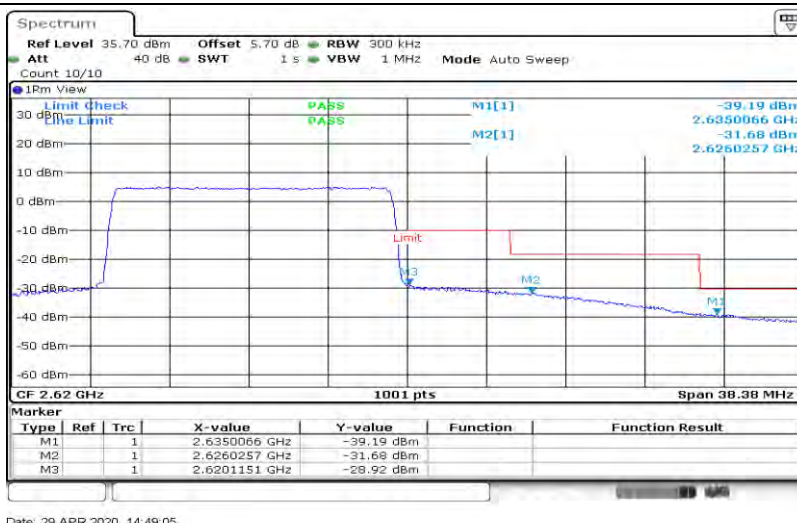


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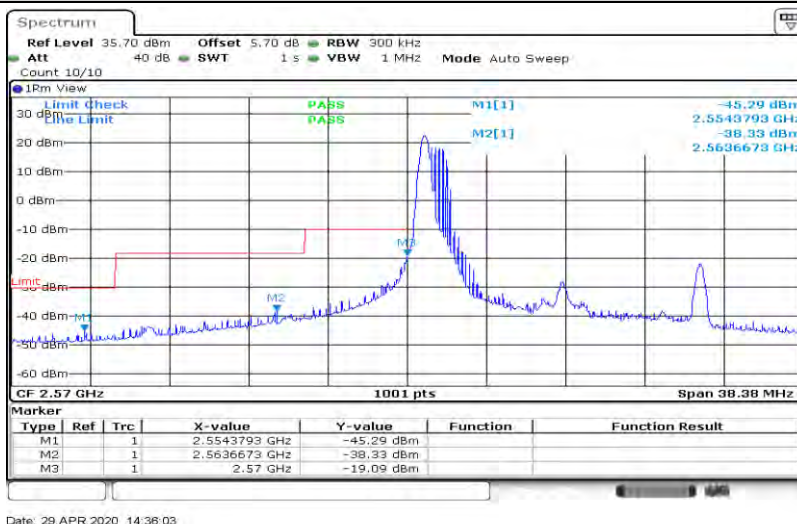


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Band38-15MHz-16QAM-37825-1RB#0



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

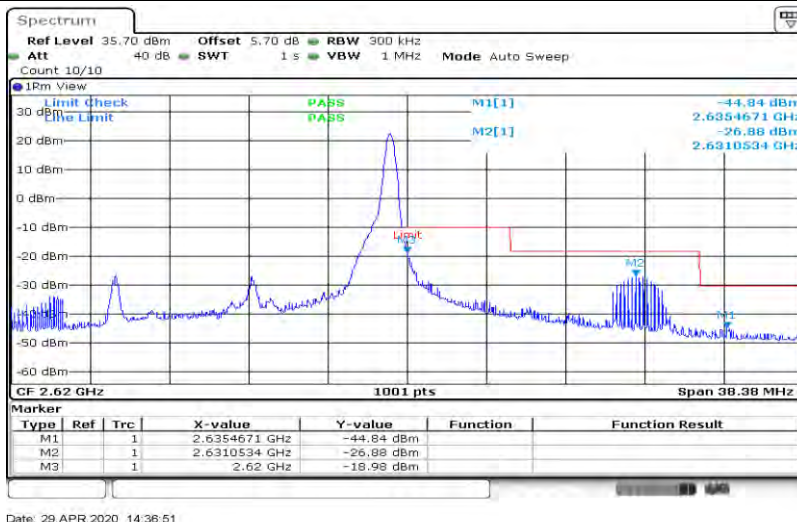


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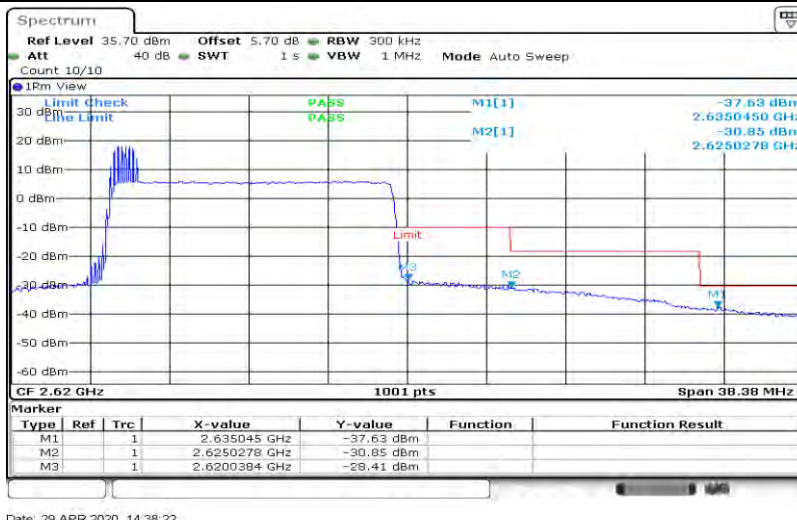


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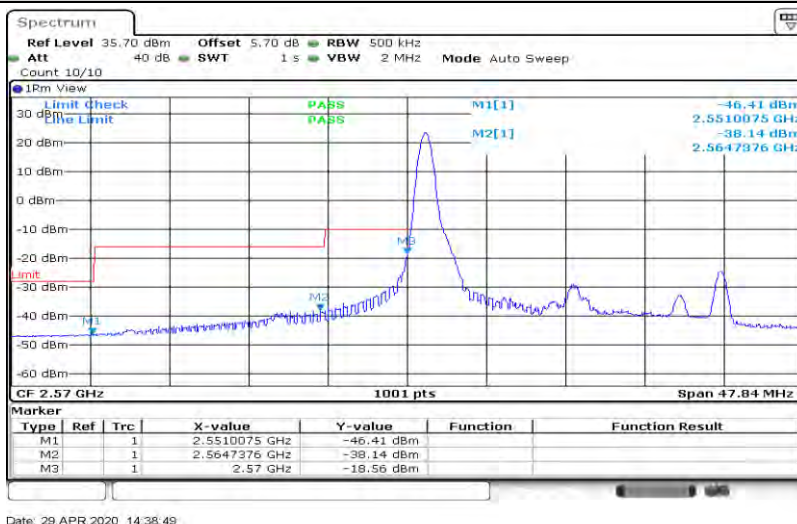


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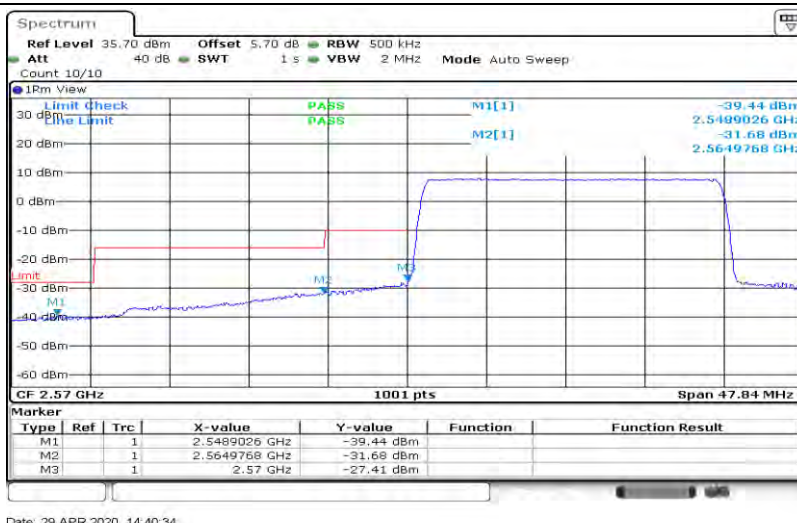


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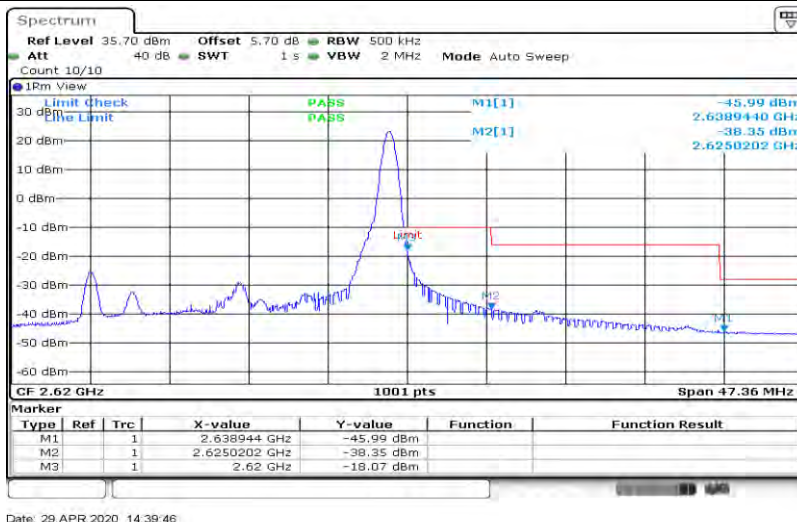


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Band38-20MHz-QPSK-38150-1RB#99

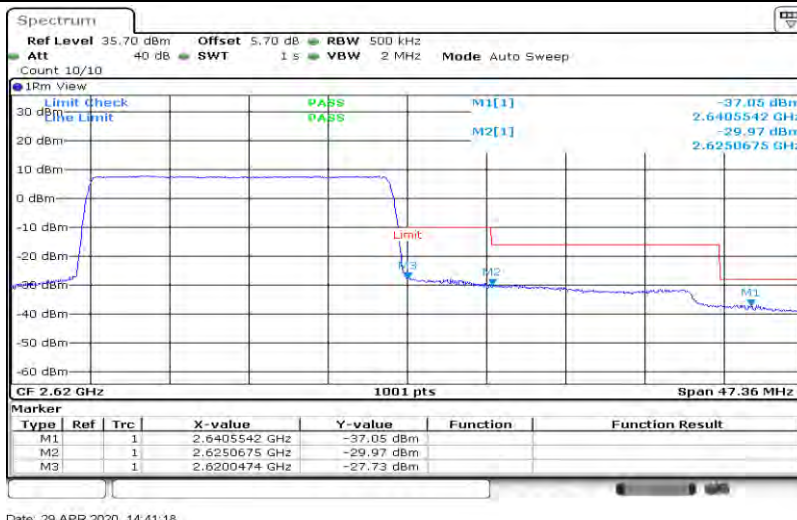


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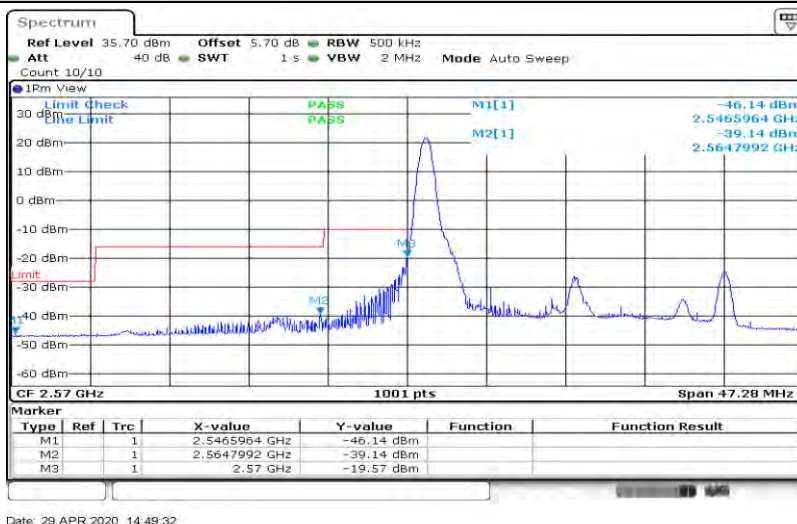


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Band38-20MHz-64QAM-37850-1RB#0

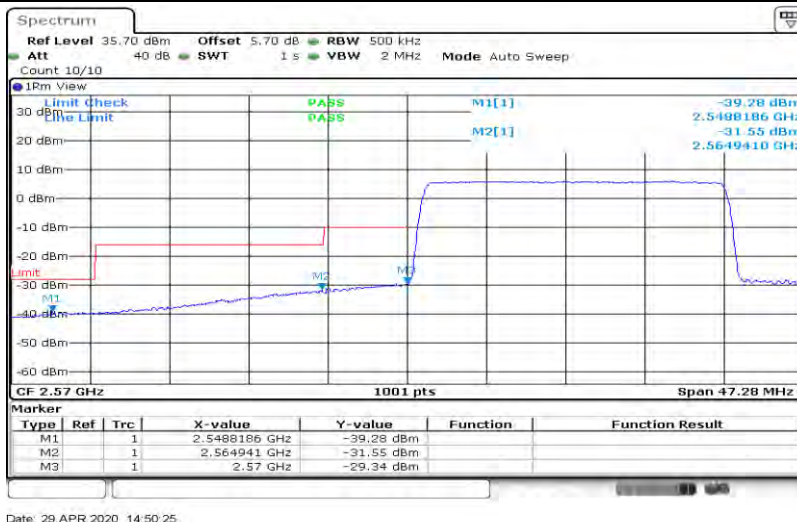


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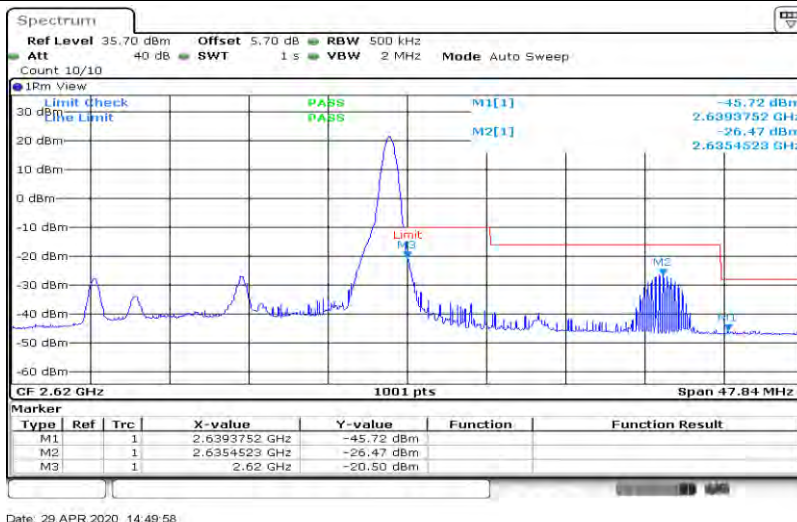


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Band38-20MHz-64QAM-38150-1RB#99

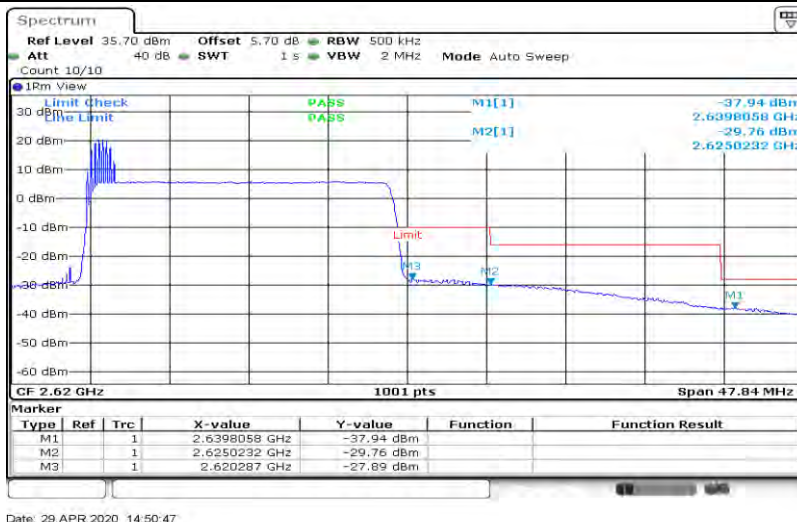


Band38-20MHz-64QAM-38150-100RB#0

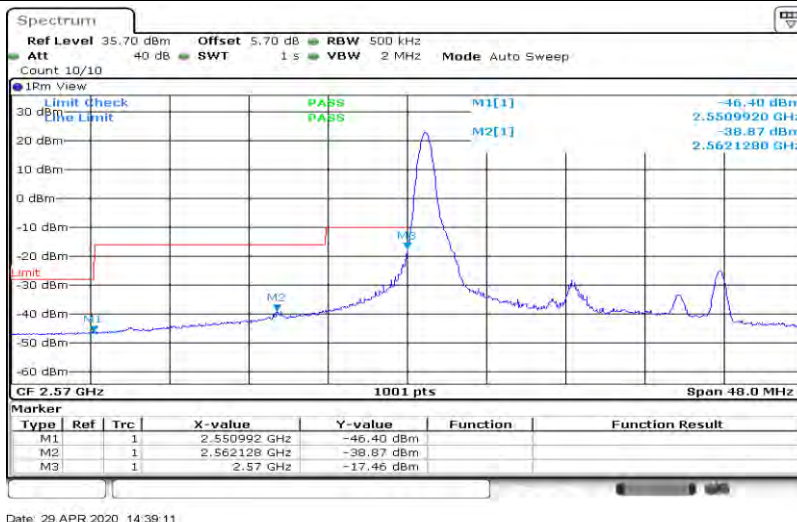


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Band38-20MHz-16QAM-37850-1RB#0

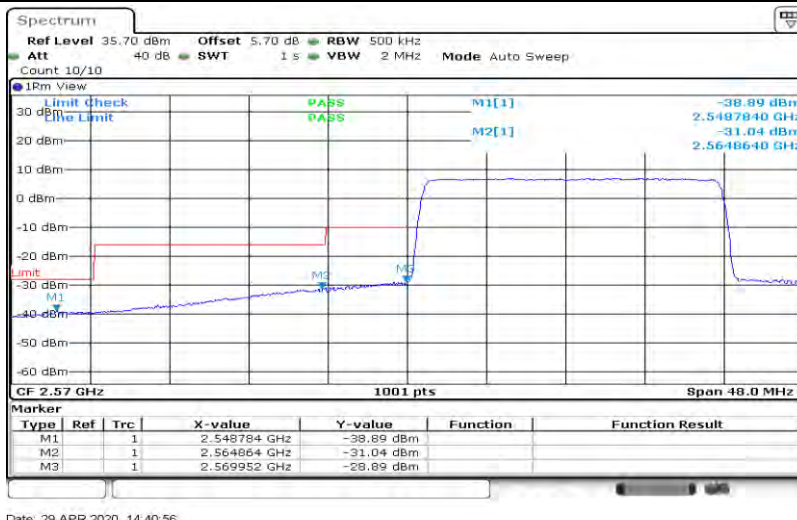


Band38-20MHz-16QAM-37850-100RB#0

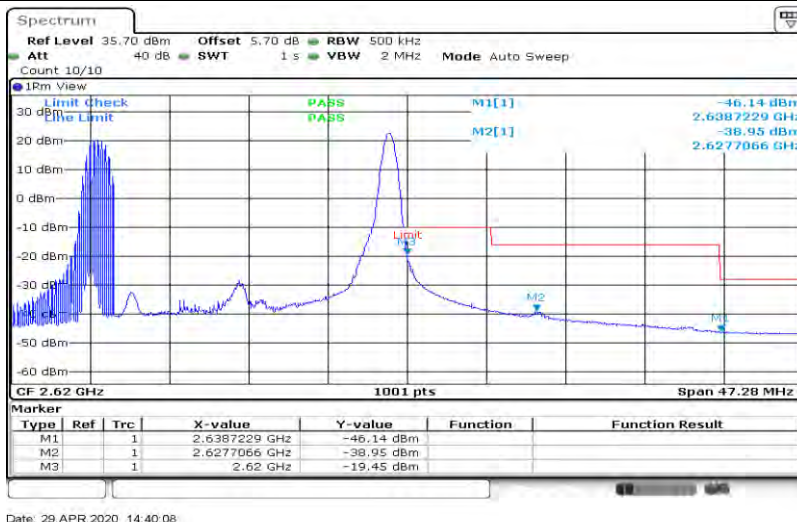


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Band38-20MHz-16QAM-38150-1RB#99

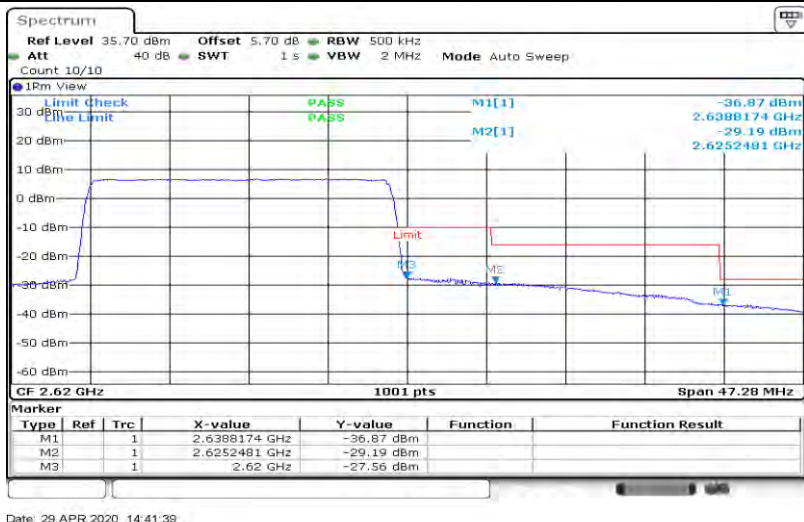


Band38-20MHz-16QAM-38150-100RB#0



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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	-48.93	PASS
Band38	20MHz	QPSK	37850	1RB#0	Range2:1000~30000MHz	-42	PASS
Band38	20MHz	QPSK	38000	1RB#0	Range1:30~1000MHz	-49.09	PASS
Band38	20MHz	QPSK	38000	1RB#0	Range2:1000~30000MHz	-41.92	PASS
Band38	20MHz	QPSK	38150	1RB#0	Range1:30~1000MHz	-49.28	PASS
Band38	20MHz	QPSK	38150	1RB#0	Range2:1000~30000MHz	-41.41	PASS
Band38	20MHz	64QAM	37850	1RB#0	Range1:30~1000MHz	-48.84	PASS
Band38	20MHz	64QAM	37850	1RB#0	Range2:1000~30000MHz	-41.91	PASS
Band38	20MHz	64QAM	38000	1RB#0	Range1:30~1000MHz	-48.82	PASS
Band38	20MHz	64QAM	38000	1RB#0	Range2:1000~30000MHz	-41.68	PASS
Band38	20MHz	64QAM	38150	1RB#0	Range1:30~1000MHz	-48.56	PASS
Band38	20MHz	64QAM	38150	1RB#0	Range2:1000~30000MHz	-41.58	PASS
Band38	20MHz	16QAM	37850	1RB#0	Range1:30~1000MHz	-49.02	PASS
Band38	20MHz	16QAM	37850	1RB#0	Range2:1000~30000MHz	-41.72	PASS
Band38	20MHz	16QAM	38000	1RB#0	Range1:30~1000MHz	-48.7	PASS
Band38	20MHz	16QAM	38000	1RB#0	Range2:1000~30000MHz	-41.61	PASS
Band38	20MHz	16QAM	38150	1RB#0	Range1:30~1000MHz	-48.61	PASS
Band38	20MHz	16QAM	38150	1RB#0	Range2:1000~30000MHz	-41.85	PASS

6.2. Test Plots

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

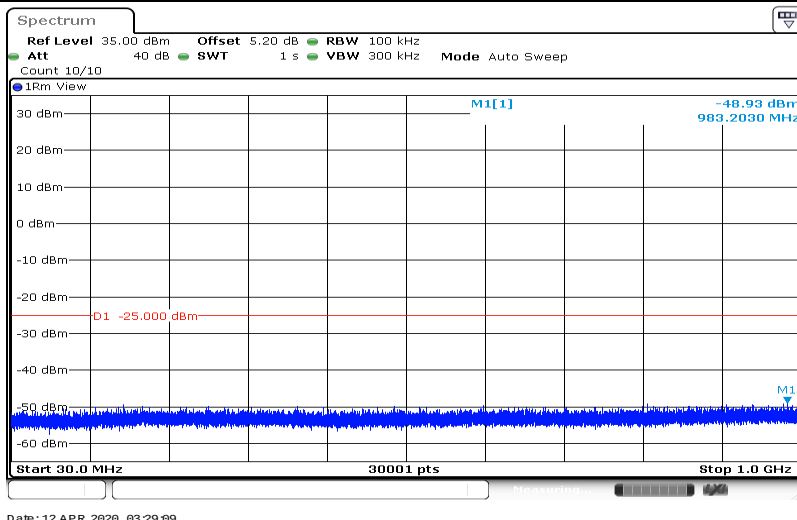


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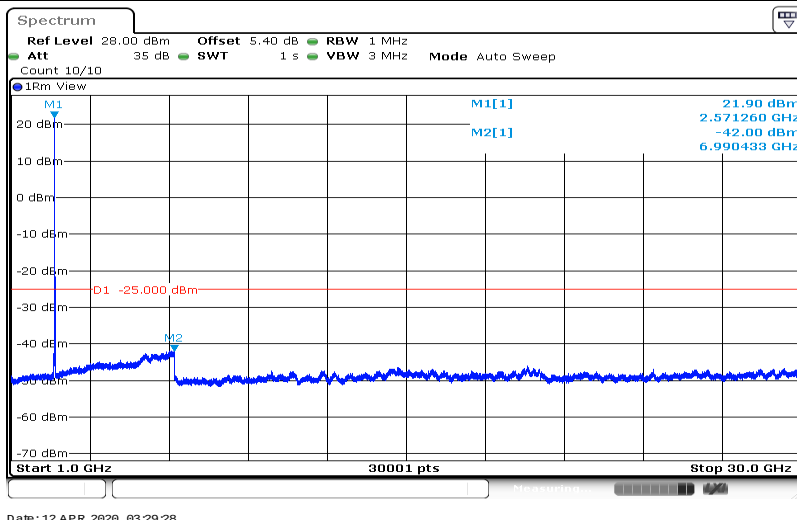
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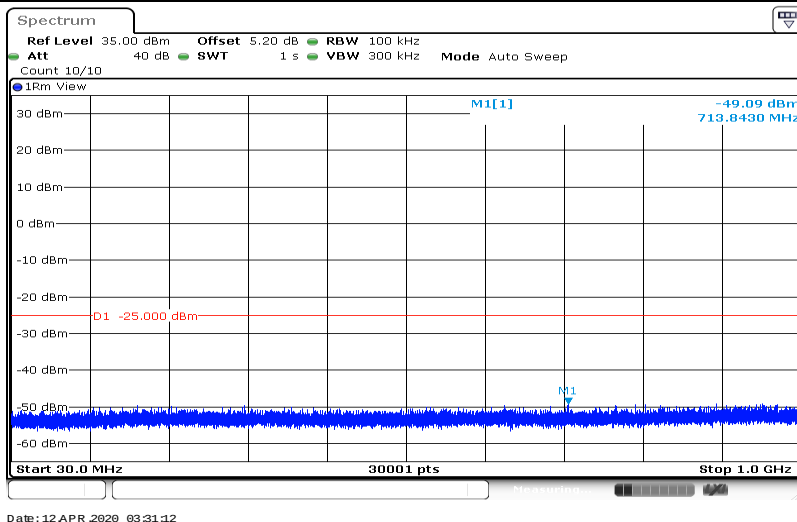


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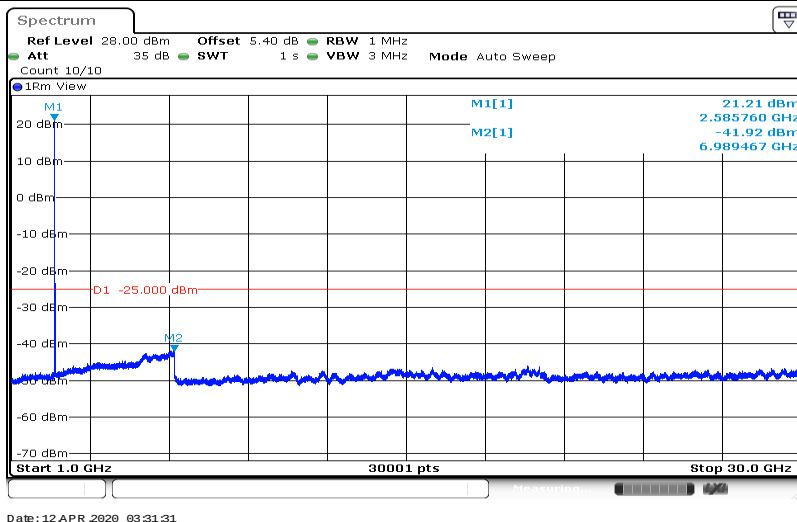


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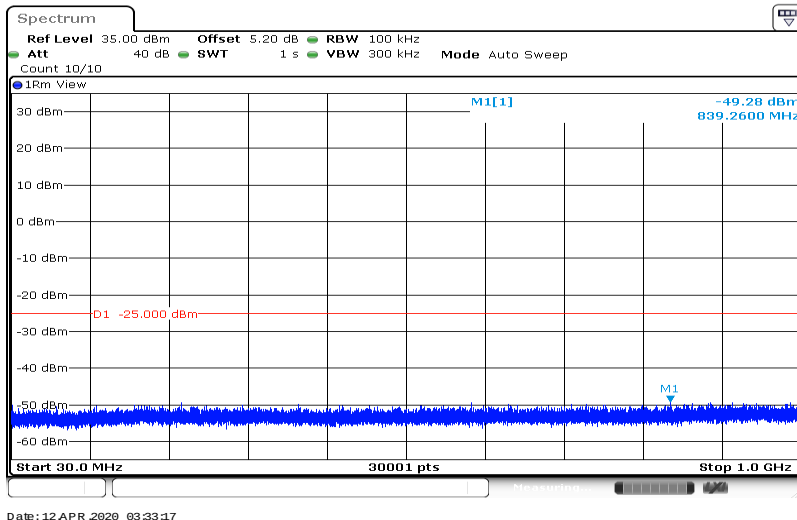


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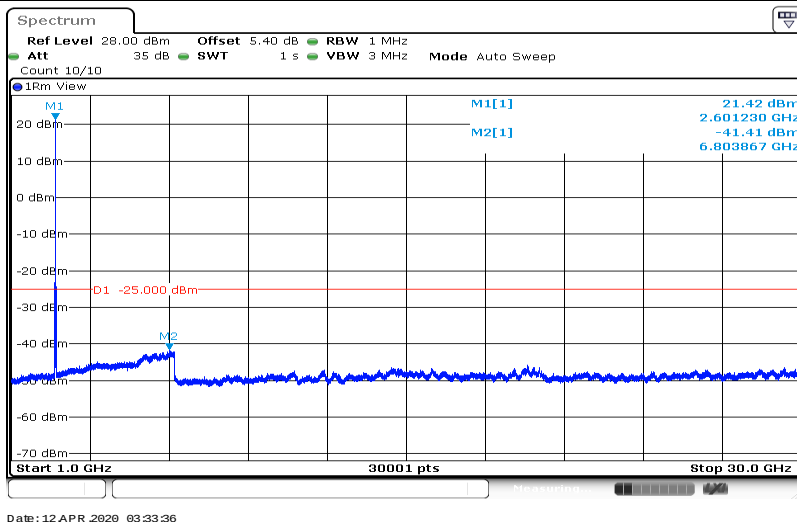


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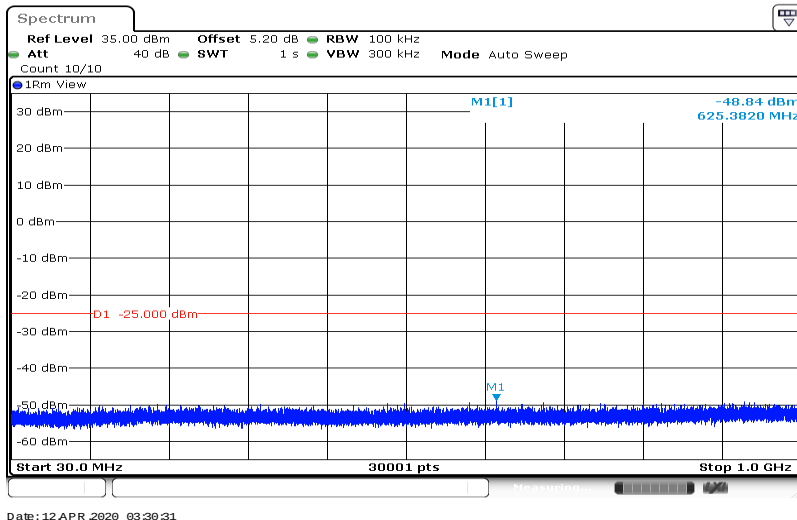


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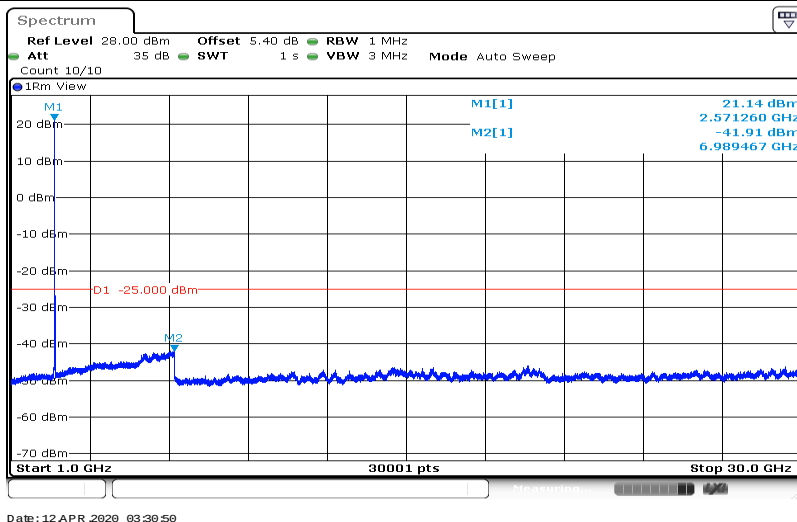


Band38-20MHz-64QAM-37850-1RB#0-Range1:30~1000MHz



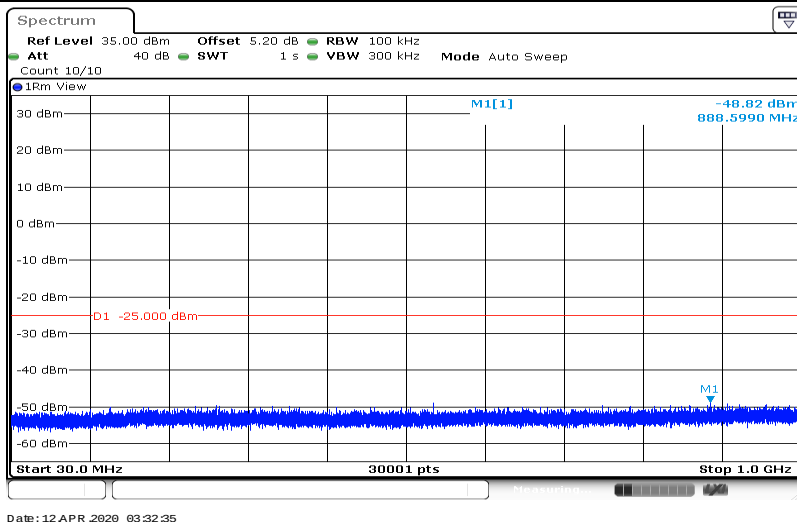


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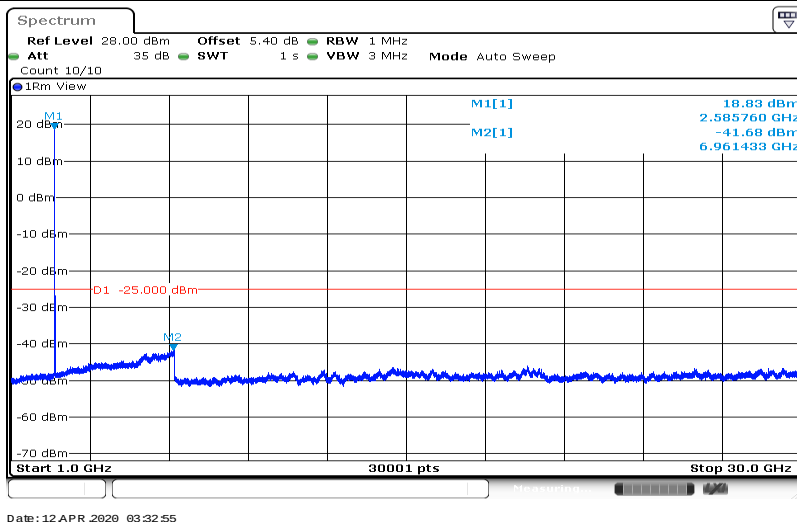


Band38-20MHz-64QAM-38000-1RB#0-Range1:30~1000MHz



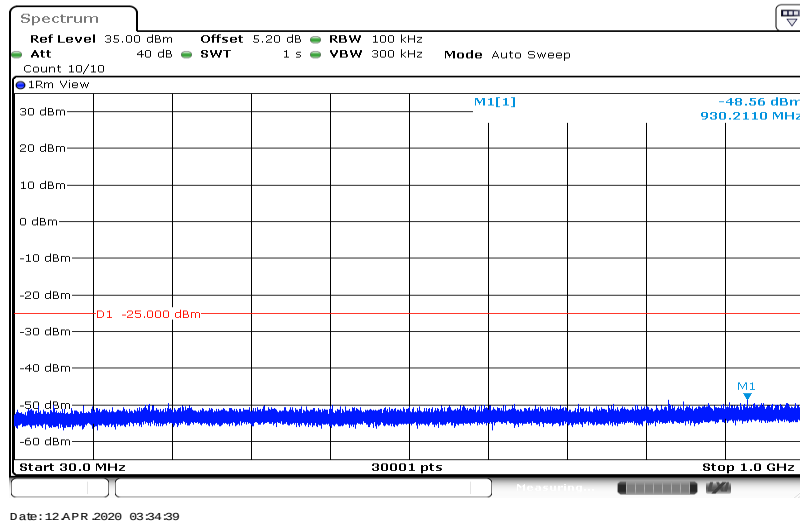


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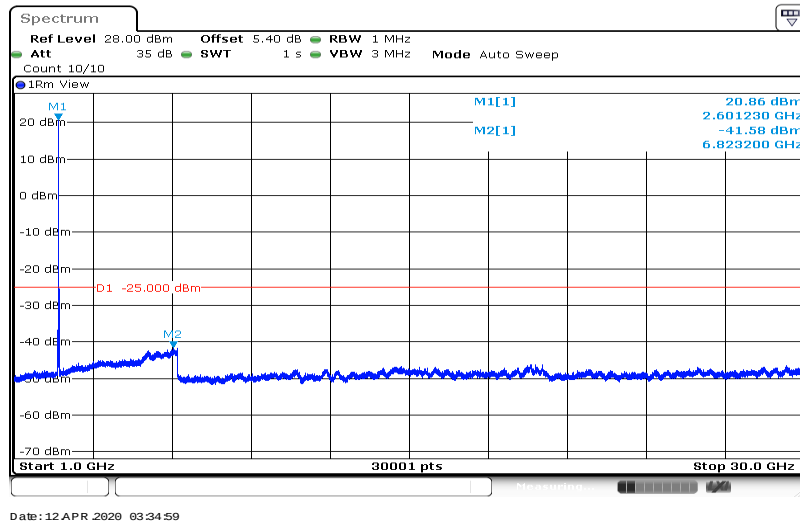


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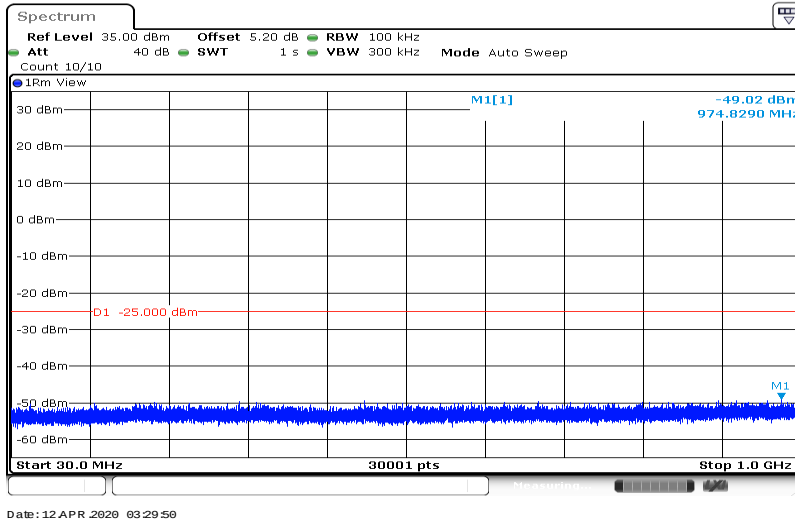


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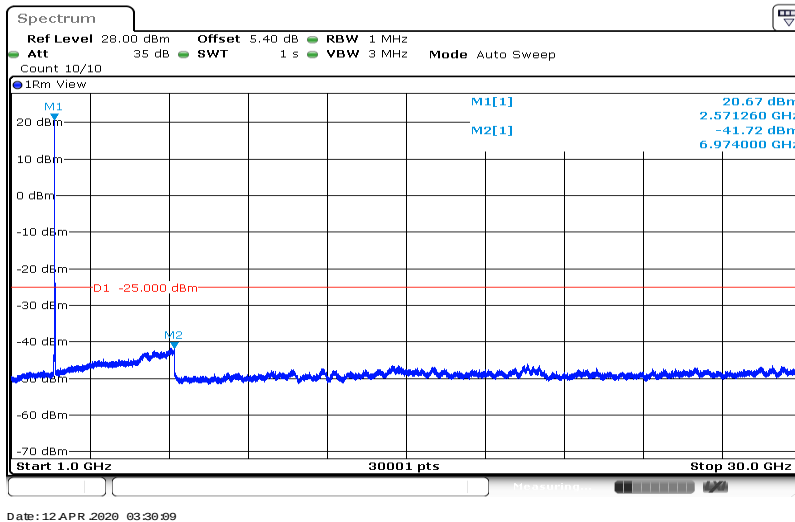


Band38-20MHz-16QAM-37850-1RB#0-Range1:30~1000MHz



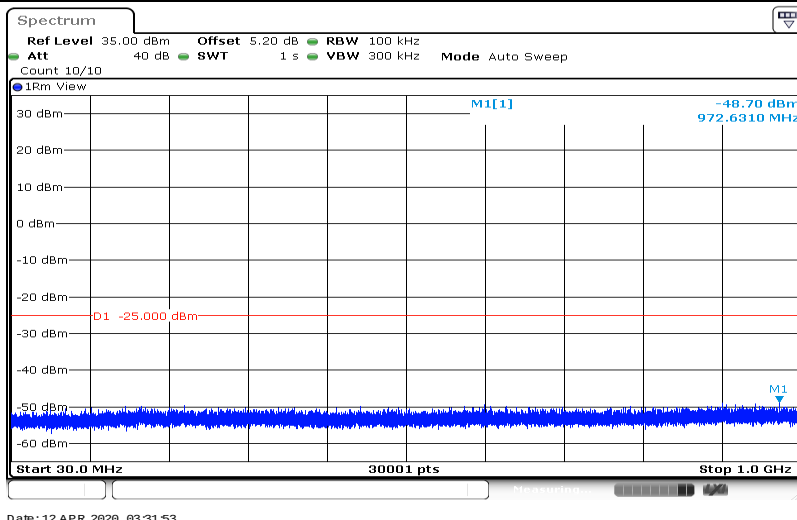


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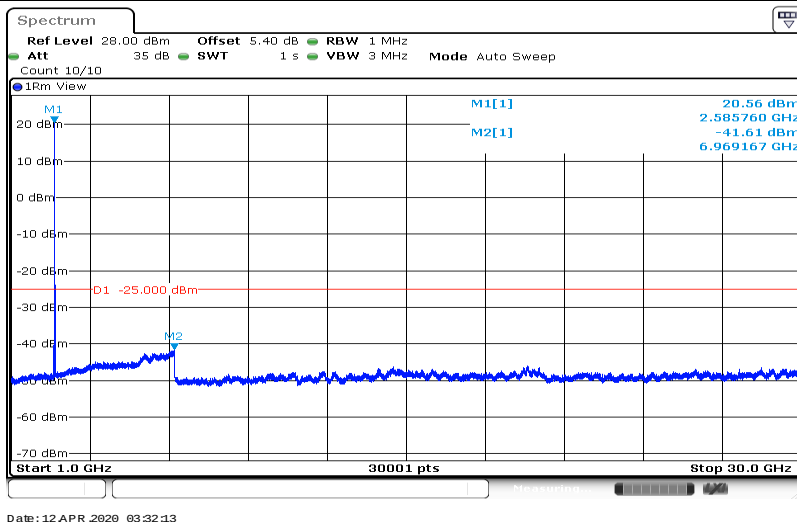


Band38-20MHz-16QAM-38000-1RB#0-Range1:30~1000MHz



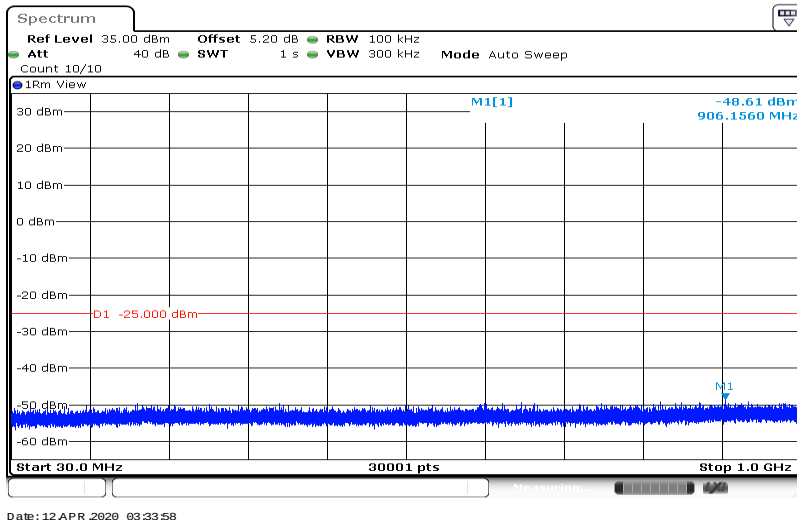


Band38-20MHz-16QAM-38000-1RB#0-Range2:1000~30000MHz

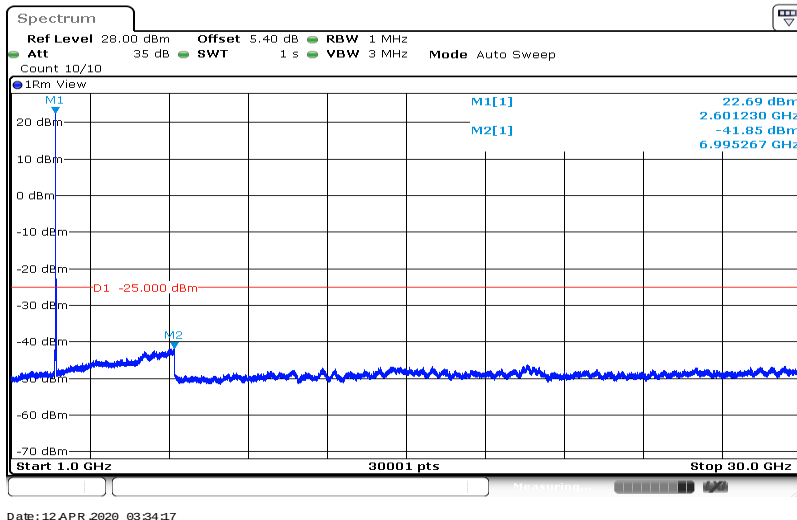


Band38-20MHz-16QAM-38150-1RB#0-Range1:30~1000MHz





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





7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz(Down Ant)

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.2070	-72.91	-25.00	47.91	Vertical
110.4170	-64.61	-25.00	39.61	Vertical
594.9077	-64.17	-25.00	39.17	Vertical
2990.7982	-38.32	-25.00	13.32	Vertical
8006.1669	-53.56	-25.00	28.56	Vertical
17997.4999	-38.28	-25.00	13.28	Vertical
39.0215	-63.47	-25.00	38.47	Horizontal
232.3036	-67.73	-25.00	42.73	Horizontal
586.7593	-64.06	-25.00	39.06	Horizontal
2988.7978	-38.23	-25.00	13.23	Horizontal
7474.1491	-55.12	-25.00	30.12	Horizontal
16385.4462	-42.15	-25.00	17.15	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
52.3111	-72.34	-25.00	47.34	Vertical
114.2972	-64.42	-25.00	39.42	Vertical
525.5008	-65.90	-25.00	40.90	Vertical
1623.3247	-44.71	-25.00	19.71	Vertical
7347.1449	-54.68	-25.00	29.68	Vertical
17999.0000	-38.07	-25.00	13.07	Vertical
43.1442	-63.93	-25.00	38.93	Horizontal
225.6103	-68.09	-25.00	43.09	Horizontal
625.4643	-63.38	-25.00	38.38	Horizontal
2981.9964	-38.29	-25.00	13.29	Horizontal
8769.1923	-53.24	-25.00	28.24	Horizontal
16380.4460	-42.40	-25.00	17.40	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
46.9758	-71.89	-25.00	46.89	Vertical
109.7380	-63.64	-25.00	38.64	Vertical
401.6256	-67.67	-25.00	42.67	Vertical
1723.7447	-44.03	-25.00	19.03	Vertical
7359.6453	-54.79	-25.00	29.79	Vertical
17996.9999	-38.11	-25.00	13.11	Vertical
45.1328	-63.96	-25.00	38.96	Horizontal
236.4263	-67.73	-25.00	42.73	Horizontal
575.4098	-64.32	-25.00	39.32	Horizontal
1802.1604	-43.28	-25.00	18.28	Horizontal
7360.1453	-54.91	-25.00	29.91	Horizontal
16390.9464	-42.53	-25.00	17.53	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.



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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	-13.00	-0.005039	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VN	NT	-10.40	-0.004031	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VH	NT	-2.60	-0.001008	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-17.20	-0.006628	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-12.20	-0.004701	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-2.70	-0.001040	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VL	NT	-18.60	-0.007126	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VN	NT	-12.40	-0.004751	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VH	NT	-1.30	-0.000498	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VL	NT	-7.60	-0.002946	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VN	NT	-12.30	-0.004767	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VH	NT	-7.40	-0.002868	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VL	NT	-18.80	-0.007245	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VN	NT	-12.00	-0.004624	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VH	NT	-8.80	-0.003391	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VL	NT	-6.70	-0.002567	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VN	NT	-7.30	-0.002797	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VH	NT	-6.80	-0.002605	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VL	NT	-6.10	-0.002364	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VN	NT	-10.80	-0.004186	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VH	NT	-2.60	-0.001008	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VL	NT	-3.20	-0.001233	±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	-18.20	-0.007013	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VL	NT	-13.50	-0.005172	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VN	NT	-17.70	-0.006782	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VH	NT	-11.60	-0.004444	±2.5	PASS



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8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	NV	-30	-6.70	-0.002597	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-20	-10.50	-0.004070	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	0	0.00	0.000000	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	10	-1.30	-0.000504	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	20	0.00	0.000000	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	30	-0.40	-0.000155	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	40	-1.60	-0.000620	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	50	-3.70	-0.001434	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-6.50	-0.002505	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	-7.10	-0.002736	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	-8.20	-0.003160	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-7.20	-0.002775	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	-8.10	-0.003121	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-9.10	-0.003507	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-12.90	-0.004971	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	-9.40	-0.003622	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-30	-4.60	-0.001762	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-20	-6.60	-0.002529	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	0	-9.30	-0.003563	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	10	-11.10	-0.004253	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	20	-17.40	-0.006667	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	30	-17.60	-0.006743	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	40	-17.40	-0.006667	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	50	-18.20	-0.006973	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-30	1.30	0.000504	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-20	-0.40	-0.000155	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	0	-7.80	-0.003023	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	10	-2.20	-0.000853	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	20	-2.90	-0.001124	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	30	-10.60	-0.004109	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	40	1.30	0.000504	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	50	-10.90	-0.004225	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-30	-1.30	-0.000501	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-20	-3.60	-0.001387	±2.5	PASS



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Band38	20MHz	64QAM	38000	100RB#0	NV	0	-14.20	-0.005472	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	10	-9.30	-0.003584	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	20	-3.50	-0.001349	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	30	-16.90	-0.006513	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	40	-14.10	-0.005434	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	50	-20.30	-0.007823	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-30	-3.90	-0.001494	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-20	-2.50	-0.000958	±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	-20.40	-0.007816	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	20	-15.50	-0.005939	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	30	-13.10	-0.005019	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	40	-13.00	-0.004981	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	50	-9.30	-0.003563	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-30	-1.90	-0.000736	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-20	-12.30	-0.004767	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	0	-11.80	-0.004574	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	10	-10.80	-0.004186	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	20	-9.40	-0.003643	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	30	-9.50	-0.003682	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	40	-6.00	-0.002326	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	50	-3.80	-0.001473	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-30	-14.30	-0.005511	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-20	-12.30	-0.004740	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	0	-15.20	-0.005857	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	10	-10.80	-0.004162	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	20	-9.00	-0.003468	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	30	-5.80	-0.002235	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	40	-4.10	-0.001580	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	50	-5.00	-0.001927	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-30	-6.60	-0.002529	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-20	-3.70	-0.001418	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	0	-2.00	-0.000766	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	10	-6.70	-0.002567	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	20	-17.40	-0.006667	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	30	-15.50	-0.005939	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	40	-2.10	-0.000805	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	50	-19.20	-0.007356	±2.5	PASS



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