



Appendix B

E-UTRA Band 38



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

ANT1:

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	23.82	23.22	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	23.74	23.14	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	23.76	23.16	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	23.01	22.41	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	22.93	22.33	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	22.85	22.25	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.87	22.27	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	23.79	23.19	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	23.61	23.01	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	23.57	22.97	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	22.87	22.27	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	22.88	22.28	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	22.90	22.3	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	22.85	22.25	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	23.70	23.1	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	23.58	22.98	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	23.57	22.97	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	22.81	22.21	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	22.80	22.2	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	22.81	22.21	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	22.77	22.17	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	21.85	21.25	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	22.06	21.46	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	22.05	21.45	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#0	20.95	20.35	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#6	20.94	20.34	33.00	PASS



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Band38	5MHz	64QAM	37775	12RB#13	20.80	20.2	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	21.84	21.24	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	21.98	21.38	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	22.02	21.42	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	21.98	21.38	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#13	21.76	21.16	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#6	21.62	21.02	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#0	21.22	20.62	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	21.01	20.41	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	21.97	21.37	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	21.86	21.26	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	22.00	21.4	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#0	21.46	20.86	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#6	21.78	21.18	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#13	20.87	20.27	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	21.05	20.45	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	23.08	22.48	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.91	22.31	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	23.02	22.42	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	21.96	21.36	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	21.81	21.21	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	21.96	21.36	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.89	21.29	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	22.99	22.39	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.92	22.32	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.87	22.27	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#0	21.84	21.24	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	21.89	21.29	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	21.82	21.22	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	21.90	21.3	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	22.92	22.32	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.53	21.93	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.57	21.97	33.00	PASS



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Band38	5MHz	16QAM	38225	12RB#0	21.80	21.2	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#6	21.85	21.25	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	21.82	21.22	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	21.81	21.21	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.81	23.21	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.62	23.02	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.67	23.07	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	22.92	22.32	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	22.81	22.21	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#25	22.82	22.22	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.79	22.19	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	23.61	23.01	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	23.63	23.03	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	23.53	22.93	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	22.76	22.16	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#0	22.80	22.2	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	22.78	22.18	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	22.82	22.22	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	23.66	23.06	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	23.47	22.87	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	23.47	22.87	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	22.71	22.11	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	22.65	22.05	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	22.67	22.07	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	22.62	22.02	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	21.96	21.36	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#49	22.03	21.43	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	21.99	21.39	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#0	20.94	20.34	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#12	20.87	20.27	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#25	20.89	20.29	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	20.91	20.31	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	21.98	21.38	33.00	PASS



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Band38	10MHz	64QAM	38000	1RB#0	21.88	21.28	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	21.90	21.3	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#0	20.85	20.25	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#12	20.87	20.27	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#25	20.93	20.33	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	20.85	20.25	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	21.87	21.27	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	21.88	21.28	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	21.88	21.28	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#25	20.19	19.59	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#0	20.41	19.81	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#12	20.51	19.91	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	20.56	19.96	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	23.01	22.41	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.92	22.32	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.99	22.39	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	22.03	21.43	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#0	21.87	21.27	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	21.83	21.23	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	21.90	21.3	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.91	22.31	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.73	22.13	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.69	22.09	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	21.77	21.17	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	21.75	21.15	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	21.72	21.12	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	21.83	21.23	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.70	22.1	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.69	22.09	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.73	22.13	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	21.72	21.12	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	21.80	21.2	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	21.61	21.01	33.00	PASS



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Band38	10MHz	16QAM	38200	50RB#0	21.72	21.12	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	23.89	23.29	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	23.71	23.11	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.77	23.17	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#39	23.03	22.43	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#18	22.94	22.34	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#0	22.91	22.31	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.93	22.33	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	23.73	23.13	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	23.69	23.09	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	23.67	23.07	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#0	22.87	22.27	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#18	22.86	22.26	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#39	22.91	22.31	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.89	22.29	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	23.71	23.11	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	23.54	22.94	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	23.61	23.01	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#0	22.81	22.21	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#18	22.73	22.13	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#39	22.78	22.18	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	22.76	22.16	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	22.01	21.41	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	22.05	21.45	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	22.05	21.45	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#0	20.82	20.22	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#18	20.79	20.19	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#39	20.76	20.16	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	20.91	20.31	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	22.01	21.41	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	21.89	21.29	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	22.04	21.44	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#39	20.89	20.29	33.00	PASS



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Band38	15MHz	64QAM	38000	36RB#0	20.79	20.19	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#18	20.85	20.25	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	20.86	20.26	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	21.89	21.29	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	22.00	21.4	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	21.99	21.39	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#18	20.46	19.86	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#0	20.26	19.66	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#39	20.51	19.91	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	20.15	19.55	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	23.15	22.55	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.98	22.38	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	23.05	22.45	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#0	22.08	21.48	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#39	22.01	21.41	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#18	21.93	21.33	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	22.05	21.45	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.97	22.37	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	22.83	22.23	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.84	22.24	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#0	21.92	21.32	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#18	21.89	21.29	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#39	21.86	21.26	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.97	21.37	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.82	22.22	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	22.84	22.24	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.82	22.22	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#0	21.83	21.23	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#18	21.86	21.26	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#39	21.74	21.14	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	21.86	21.26	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	24.12	23.52	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	24.13	23.53	33.00	PASS



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Band38	20MHz	QPSK	37850	1RB#99	24.05	23.45	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	23.18	22.58	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	23.14	22.54	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#50	23.16	22.56	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	23.15	22.55	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	24.01	23.41	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	23.99	23.39	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.90	23.3	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	23.05	22.45	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#25	23.01	22.41	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	23.03	22.43	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	22.99	22.39	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.84	23.24	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	23.86	23.26	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	23.78	23.18	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	22.97	22.37	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	22.90	22.3	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	22.93	22.33	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	22.87	22.27	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	21.97	21.37	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	21.85	21.25	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	21.95	21.35	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#50	20.95	20.35	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#0	20.95	20.35	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#25	20.96	20.36	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	20.82	20.22	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	21.88	21.28	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	22.04	21.44	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	21.99	21.39	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#0	20.97	20.37	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#25	20.93	20.33	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#50	20.92	20.32	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	20.88	20.28	33.00	PASS



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Band38	20MHz	64QAM	38150	1RB#99	22.05	21.45	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	22.01	21.41	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#49	22.07	21.47	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#0	20.48	19.88	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#50	20.18	19.58	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#25	20.38	19.78	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	20.47	19.87	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	23.17	22.57	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	23.22	22.62	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	23.18	22.58	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	22.10	21.5	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	22.12	21.52	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	22.14	21.54	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	22.21	21.61	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	22.97	22.37	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	23.07	22.47	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	23.19	22.59	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#0	21.95	21.35	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	22.03	21.43	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	22.01	21.41	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	21.99	21.39	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	23.07	22.47	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	23.04	22.44	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	23.06	22.46	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	21.88	21.28	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	21.87	21.27	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	21.89	21.29	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	21.93	21.33	33.00	PASS

ANT5:

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	23.59	22.09	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	23.33	21.83	33.00	PASS



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Band38	5MHz	QPSK	37775	1RB#24	23.56	22.06	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	22.65	21.15	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	22.71	21.21	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	22.65	21.15	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.65	21.15	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	23.43	21.93	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	23.50	22	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	23.41	21.91	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	22.50	21	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	22.49	20.99	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	22.48	20.98	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	22.43	20.93	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	23.34	21.84	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	23.25	21.75	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	23.16	21.66	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	22.39	20.89	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	22.38	20.88	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	22.26	20.76	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	22.34	20.84	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	21.07	19.57	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	21.21	19.71	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	21.15	19.65	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#0	20.28	18.78	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#6	20.22	18.72	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#13	20.45	18.95	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	20.22	18.72	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	21.21	19.71	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	21.30	19.8	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	21.17	19.67	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#13	20.39	18.89	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#6	20.34	18.84	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#0	20.42	18.92	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	20.26	18.76	33.00	PASS



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Band38	5MHz	64QAM	38225	1RB#0	21.08	19.58	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	21.32	19.82	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	21.29	19.79	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#0	20.48	18.98	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#6	20.16	18.66	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#13	20.33	18.83	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	20.43	18.93	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.81	21.31	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.79	21.29	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.85	21.35	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	21.60	20.1	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	21.73	20.23	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	21.60	20.1	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.68	20.18	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	22.63	21.13	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.65	21.15	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.49	20.99	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#0	21.47	19.97	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	21.41	19.91	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	21.46	19.96	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	21.55	20.05	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	22.42	20.92	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.49	20.99	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.41	20.91	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#0	21.28	19.78	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#6	21.30	19.8	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	21.28	19.78	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	21.30	19.8	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.48	21.98	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.26	21.76	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.27	21.77	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	22.61	21.11	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	22.55	21.05	33.00	PASS



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Band38	10MHz	QPSK	37800	25RB#25	22.40	20.9	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.54	21.04	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	23.34	21.84	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	23.21	21.71	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	23.13	21.63	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	22.44	20.94	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#0	22.43	20.93	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	22.31	20.81	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	22.34	20.84	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	23.18	21.68	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	23.02	21.52	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.94	21.44	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	22.25	20.75	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	22.27	20.77	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	22.14	20.64	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	22.26	20.76	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	21.07	19.57	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#49	21.39	19.89	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	21.24	19.74	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#0	20.29	18.79	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#12	20.46	18.96	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#25	20.41	18.91	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	20.21	18.71	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	21.20	19.7	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	21.26	19.76	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	21.09	19.59	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#0	20.45	18.95	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#12	20.19	18.69	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#25	20.43	18.93	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	20.47	18.97	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	21.35	19.85	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	21.37	19.87	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	21.25	19.75	33.00	PASS



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Band38	10MHz	64QAM	38200	25RB#25	20.49	18.99	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#0	20.46	18.96	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#12	20.42	18.92	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	20.23	18.73	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.63	21.13	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.56	21.06	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.59	21.09	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	21.44	19.94	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#0	21.53	20.03	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	21.33	19.83	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	21.53	20.03	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.48	20.98	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.35	20.85	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.39	20.89	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	21.36	19.86	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	21.41	19.91	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	21.38	19.88	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	21.37	19.87	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.30	20.8	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.25	20.75	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.10	20.6	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	21.23	19.73	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	21.24	19.74	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	21.24	19.74	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	21.27	19.77	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	23.33	21.83	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	23.32	21.82	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.26	21.76	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#39	22.55	21.05	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#18	22.48	20.98	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#0	22.41	20.91	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.54	21.04	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	23.24	21.74	33.00	PASS



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Band38	15MHz	QPSK	38000	1RB#38	23.07	21.57	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	23.12	21.62	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#0	22.38	20.88	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#18	22.34	20.84	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#39	22.32	20.82	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.42	20.92	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	23.10	21.6	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	23.03	21.53	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	23.01	21.51	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#0	22.23	20.73	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#18	22.26	20.76	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#39	22.20	20.7	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	22.17	20.67	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	21.06	19.56	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	21.20	19.7	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	21.17	19.67	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#0	20.45	18.95	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#18	20.36	18.86	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#39	20.45	18.95	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	20.33	18.83	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	21.14	19.64	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	21.05	19.55	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	21.23	19.73	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#39	20.22	18.72	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#0	20.18	18.68	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#18	20.17	18.67	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	20.48	18.98	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	21.30	19.8	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	21.29	19.79	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	21.38	19.88	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#18	20.31	18.81	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#0	20.40	18.9	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#39	20.26	18.76	33.00	PASS



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Band38	15MHz	64QAM	38175	75RB#0	20.24	18.74	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.65	21.15	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.58	21.08	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.52	21.02	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#0	21.50	20	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#39	21.45	19.95	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#18	21.38	19.88	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.49	19.99	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.49	20.99	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	22.36	20.86	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.31	20.81	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#0	21.38	19.88	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#18	21.38	19.88	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#39	21.36	19.86	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.43	19.93	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.31	20.81	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	22.26	20.76	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.11	20.61	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#0	21.20	19.7	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#18	21.23	19.73	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#39	21.15	19.65	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	21.27	19.77	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	23.62	22.12	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.58	22.08	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	23.55	22.05	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	22.77	21.27	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	22.64	21.14	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#50	22.64	21.14	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	22.64	21.14	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	23.53	22.03	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	23.47	21.97	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.42	21.92	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	22.63	21.13	33.00	PASS



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Band38	20MHz	QPSK	38000	50RB#25	22.64	21.14	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	22.62	21.12	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	22.61	21.11	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.43	21.93	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	23.25	21.75	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	23.28	21.78	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	22.52	21.02	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	22.46	20.96	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	22.37	20.87	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	22.45	20.95	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	21.14	19.64	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	21.36	19.86	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	21.39	19.89	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#50	20.20	18.7	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#0	20.17	18.67	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#25	20.16	18.66	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	20.27	18.77	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	21.30	19.8	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	21.16	19.66	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	21.28	19.78	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#0	20.43	18.93	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#25	20.37	18.87	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#50	20.41	18.91	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	20.17	18.67	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	21.29	19.79	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	21.38	19.88	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#49	21.21	19.71	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#0	20.22	18.72	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#50	20.36	18.86	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#25	20.38	18.88	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	20.18	18.68	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.78	21.28	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.65	21.15	33.00	PASS



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Band38	20MHz	16QAM	37850	1RB#99	22.70	21.2	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	21.72	20.22	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.70	20.2	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	21.69	20.19	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	21.70	20.2	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	22.69	21.19	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	22.63	21.13	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	22.59	21.09	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#0	21.66	20.16	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	21.57	20.07	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	21.60	20.1	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	21.59	20.09	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	22.61	21.11	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	22.39	20.89	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	22.45	20.95	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	21.49	19.99	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	21.46	19.96	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	21.38	19.88	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	21.44	19.94	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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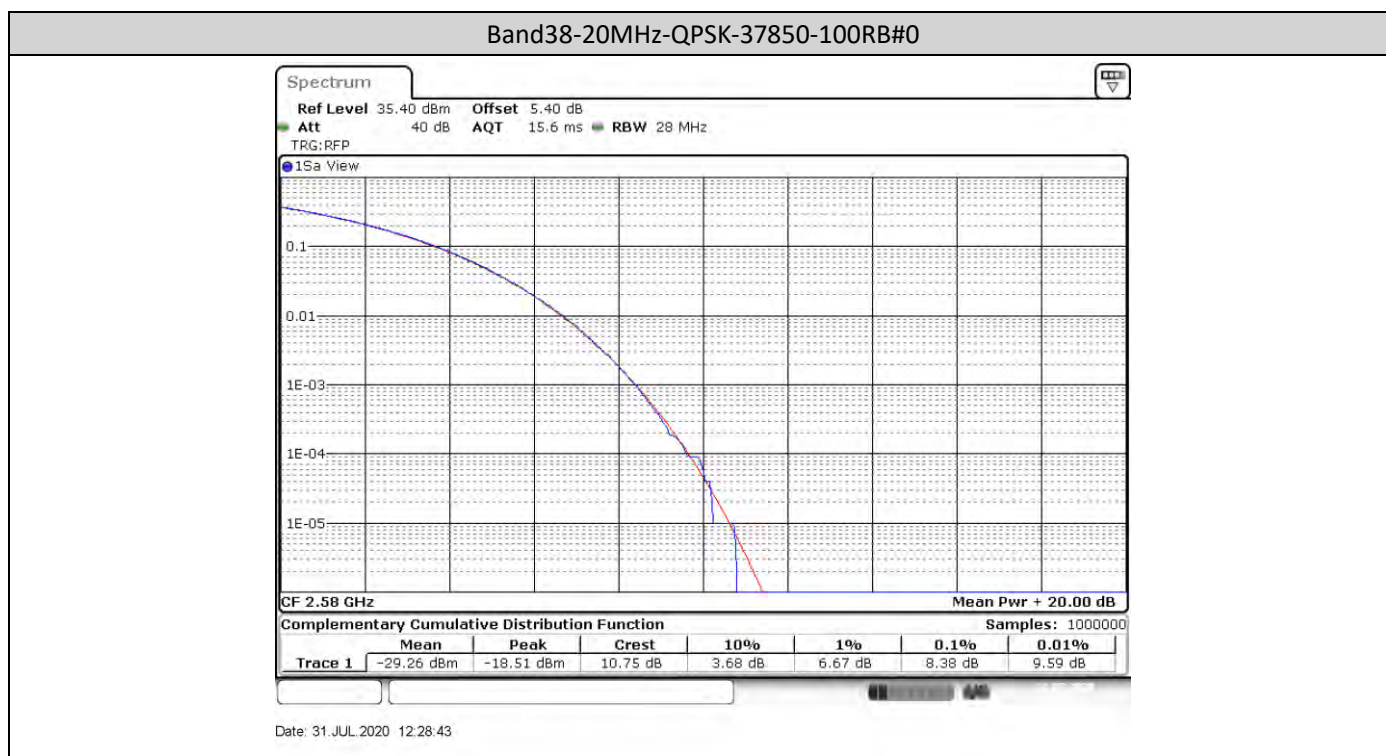


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

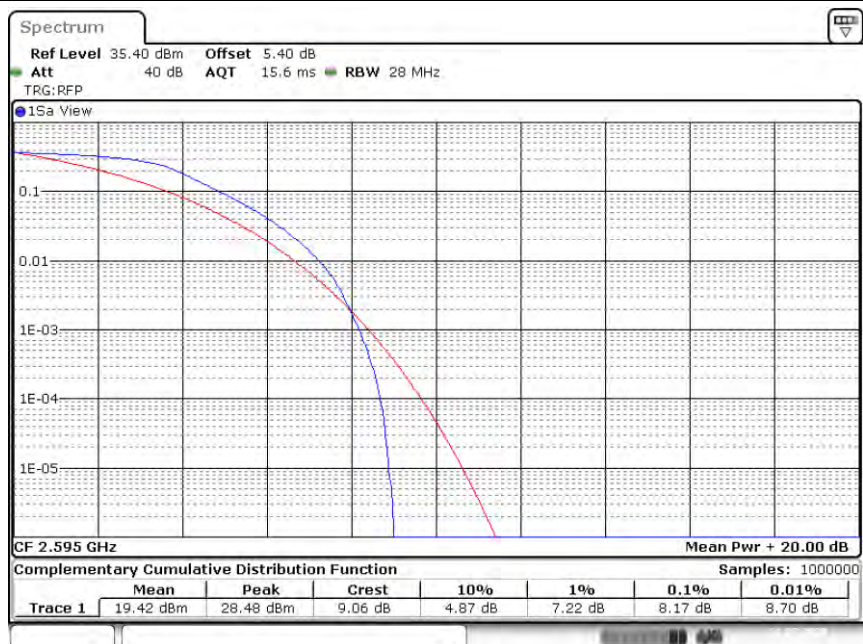
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	8.38	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	8.17	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	8.29	13	PASS
Band38	20MHz	64QAM	37850	100RB#0	7.42	13	PASS
Band38	20MHz	64QAM	38000	100RB#0	9.59	13	PASS
Band38	20MHz	64QAM	38150	100RB#0	9.57	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.16	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.10	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.13	13	PASS

2.2. Test Plots





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



Date: 31 JUL 2020 12:29:05

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

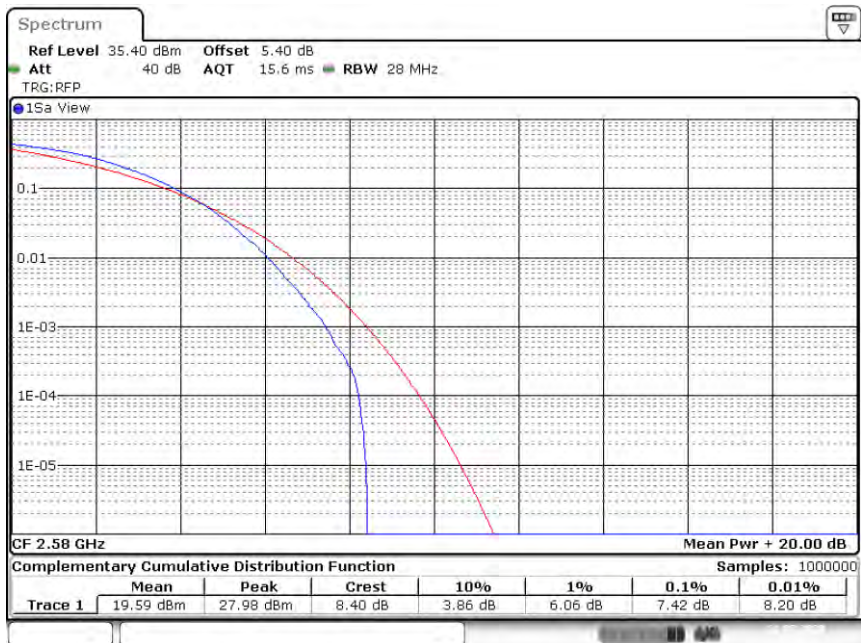


Date: 31 JUL 2020 12:29:28



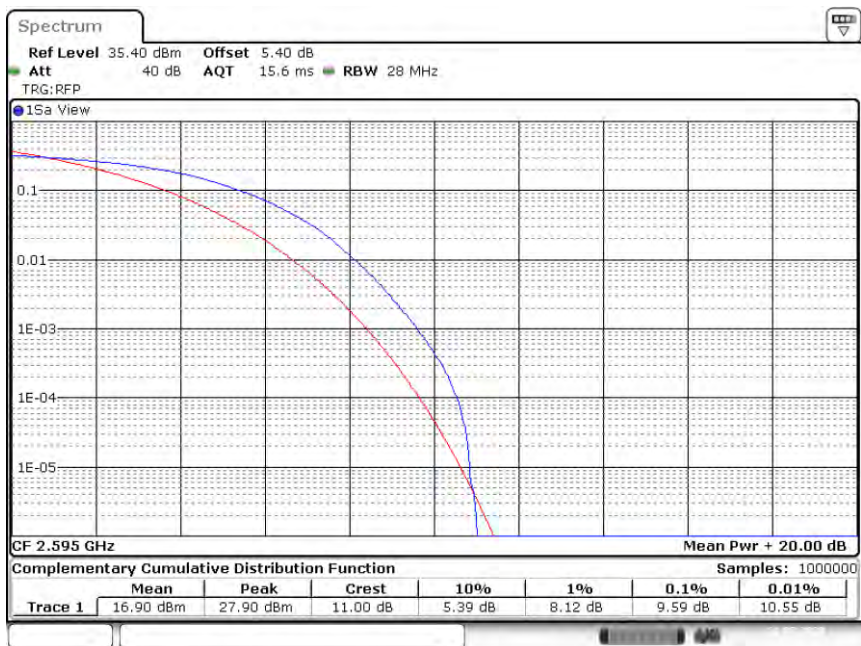


Band38-20MHz-64QAM-37850-100RB#0



Date: 31 JUL 2020 15:10:18

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



Date: 31 JUL 2020 15:10:29

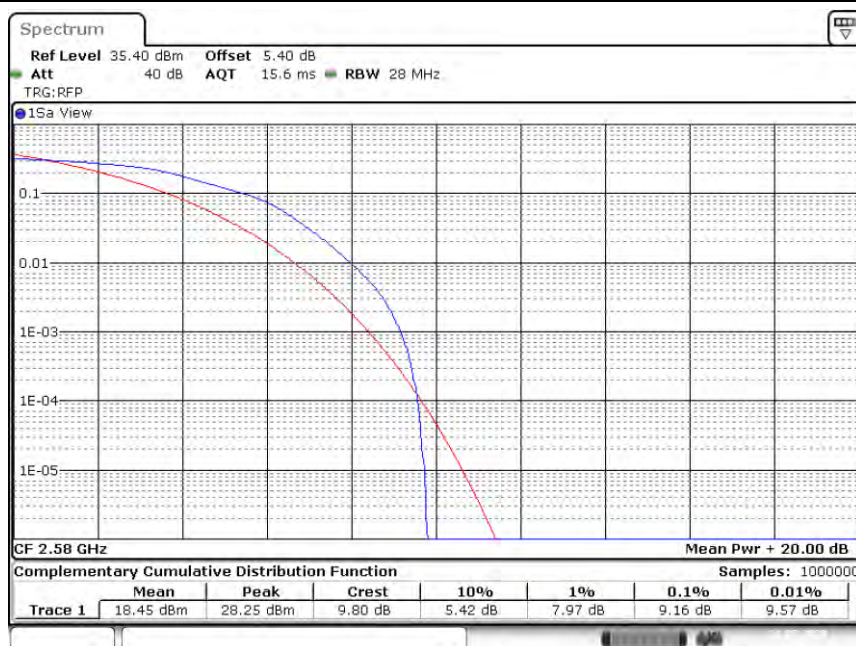


Band38-20MHz-64QAM-38150-100RB#0



Date: 31 JUL 2020 15:10:41

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



Date: 31 JUL 2020 12:28:54

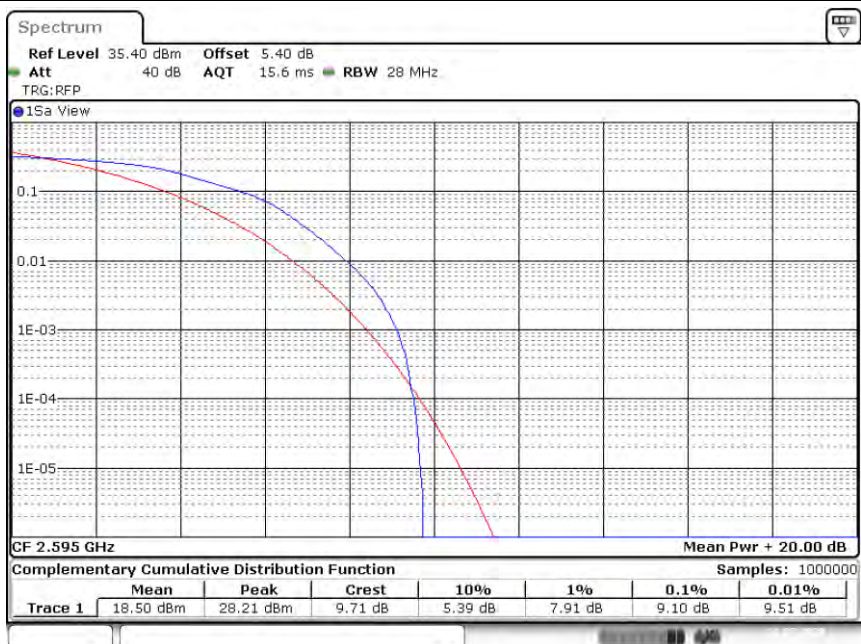


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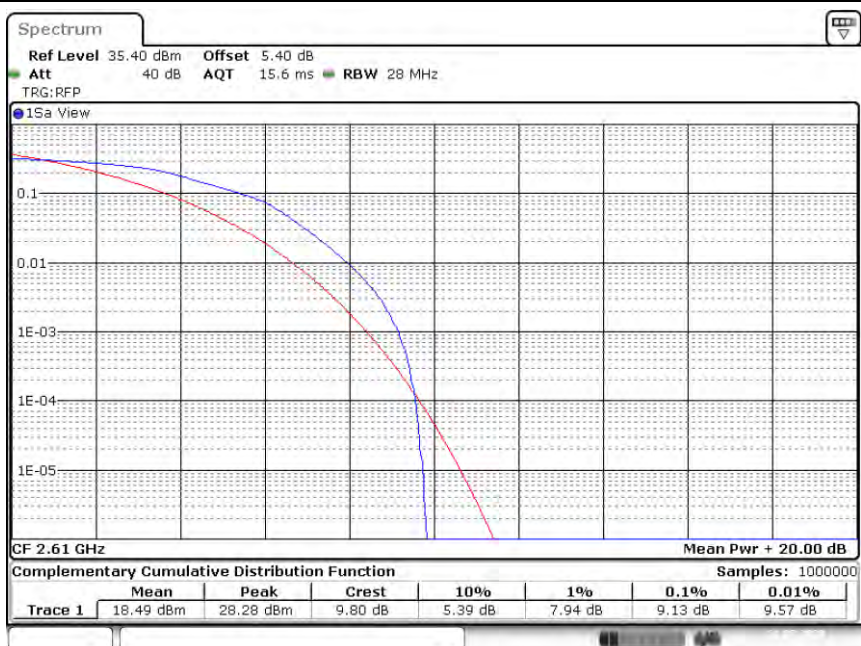


Band38-20MHz-16QAM-38000-100RB#0



Date: 31 JUL 2020 12:29:16

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



Date: 31 JUL 2020 12:29:39



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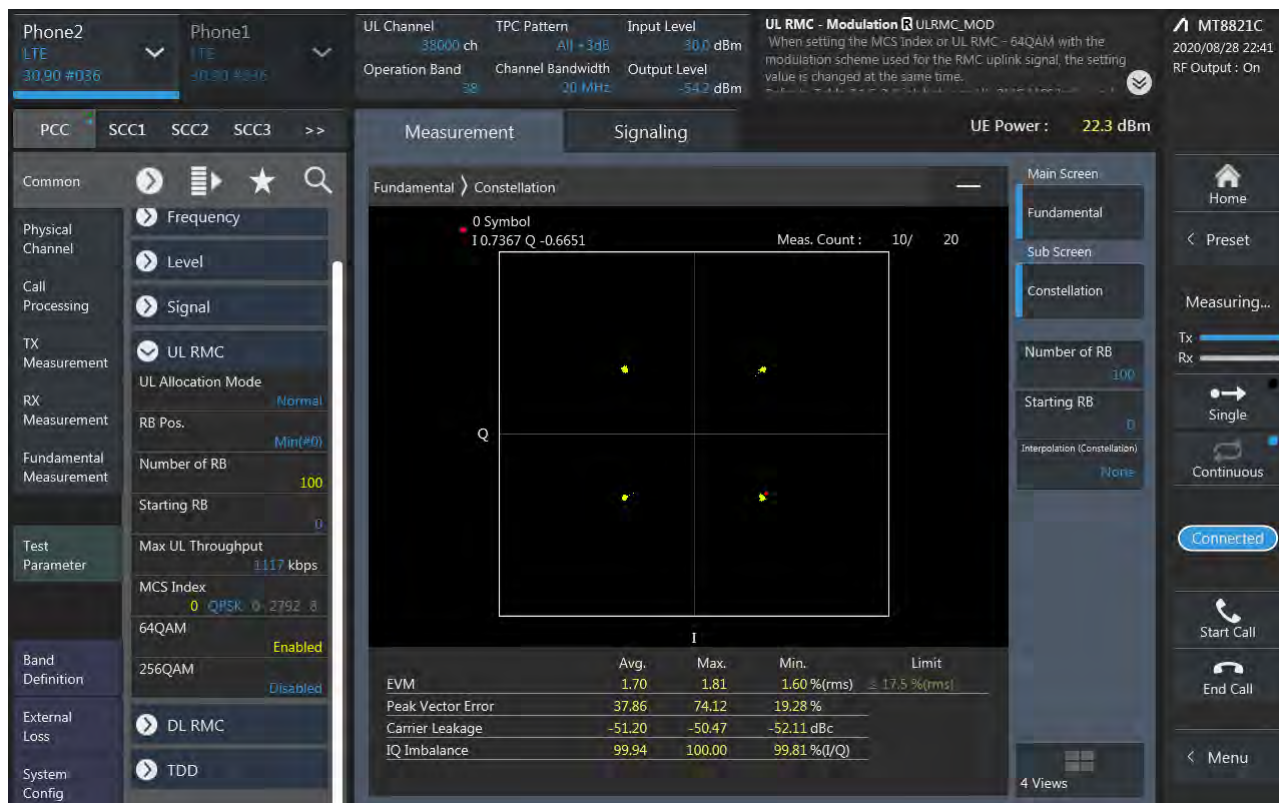
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

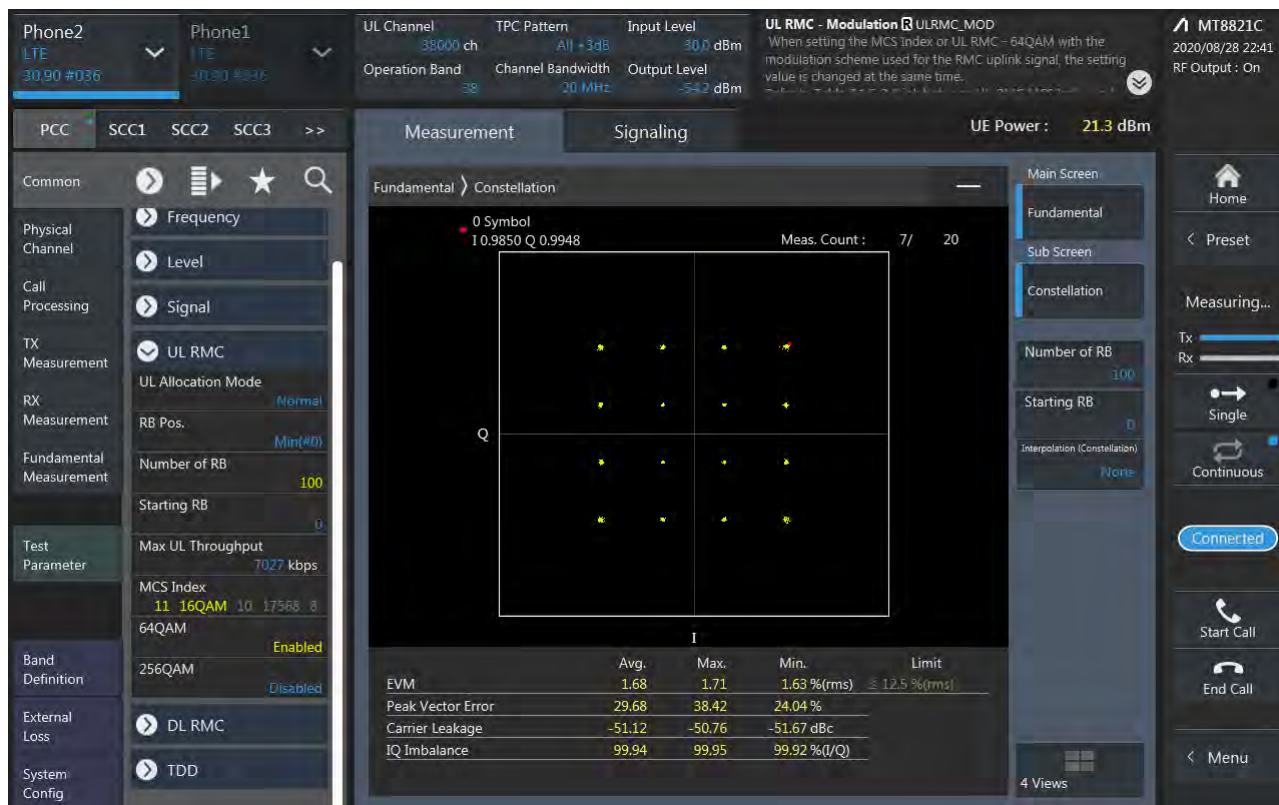
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

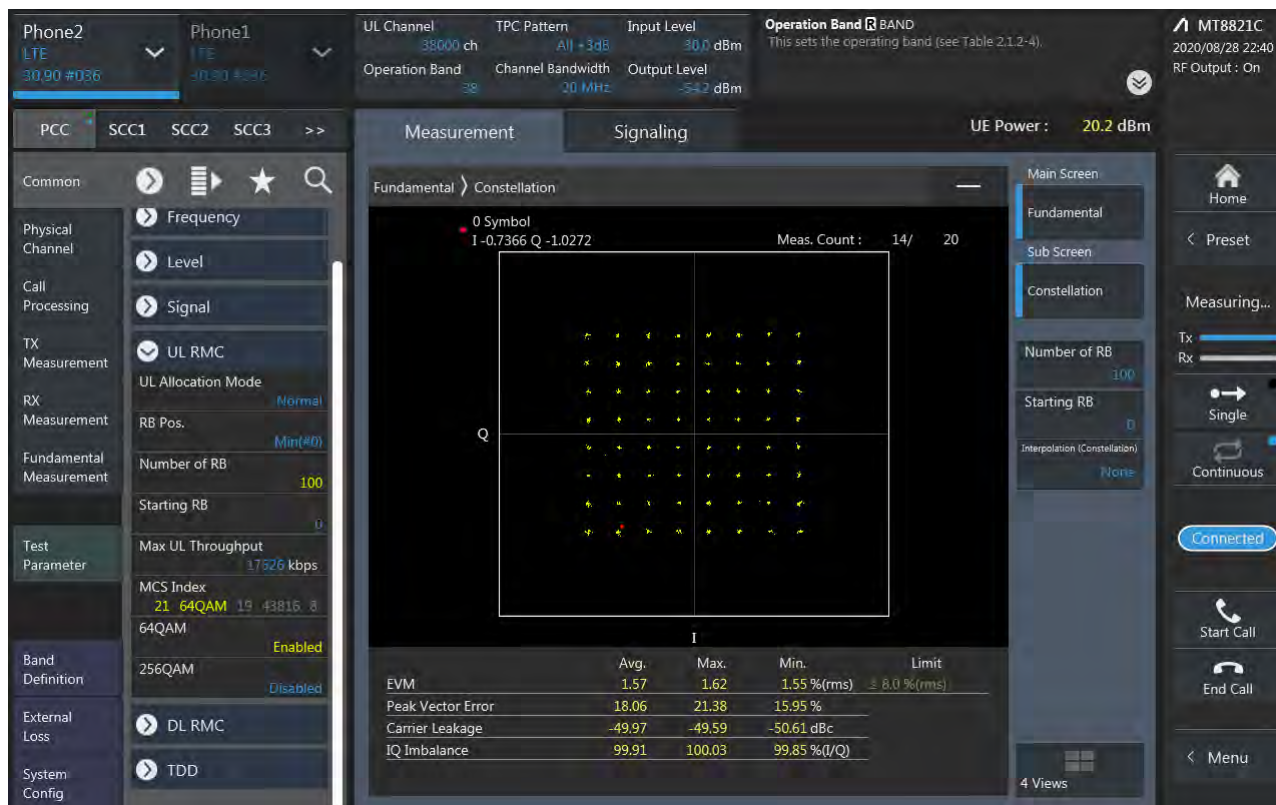
3.2.1. Test Channel = MCH





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	4.476	4.910	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.476	4.940	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.476	4.950	PASS
Band38	5MHz	64QAM	37775	25RB#0	4.486	5.010	PASS
Band38	5MHz	64QAM	38000	25RB#0	4.486	5.010	PASS
Band38	5MHz	64QAM	38225	25RB#0	4.486	5.000	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.496	5.060	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.496	5.050	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.496	5.050	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.911	9.860	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.911	9.880	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.911	9.860	PASS
Band38	10MHz	64QAM	37800	50RB#0	8.951	9.880	PASS
Band38	10MHz	64QAM	38000	50RB#0	8.951	9.800	PASS
Band38	10MHz	64QAM	38200	50RB#0	8.931	9.860	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.911	9.640	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.911	9.640	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.911	9.640	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.487	15.300	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.487	15.300	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.487	15.360	PASS
Band38	15MHz	64QAM	37825	75RB#0	13.457	15.180	PASS
Band38	15MHz	64QAM	38000	75RB#0	13.457	15.270	PASS
Band38	15MHz	64QAM	38175	75RB#0	13.457	15.330	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.487	15.690	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.487	15.720	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.487	15.810	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.942	19.920	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.942	19.840	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.942	19.880	PASS
Band38	20MHz	64QAM	37850	100RB#0	17.902	19.760	PASS



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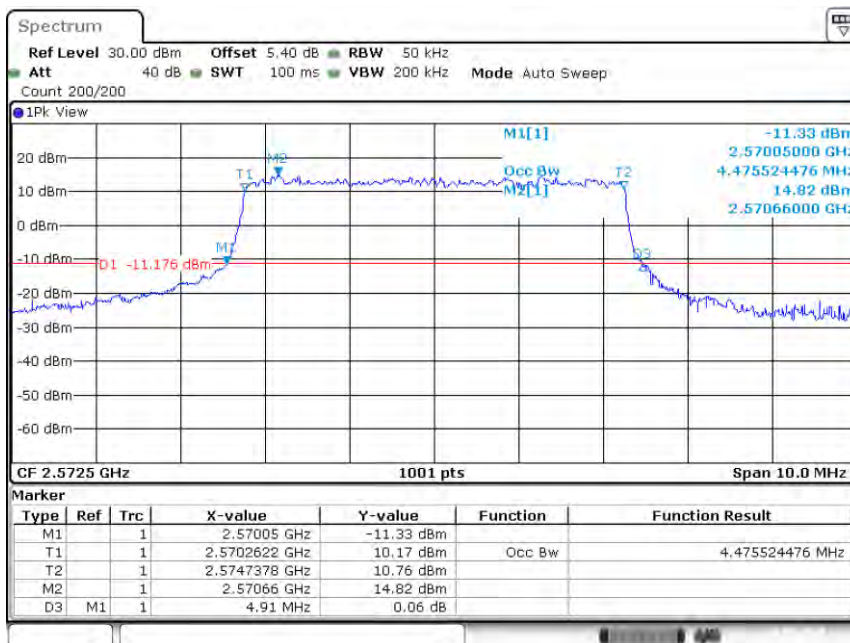
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Band38	20MHz	64QAM	38000	100RB#0	17.942	19.680	PASS
Band38	20MHz	64QAM	38150	100RB#0	17.942	19.800	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.902	19.480	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.902	19.680	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.902	19.800	PASS

4.2. Test Plots

Band38-5MHz-QPSK-37775-25RB#0-4.476

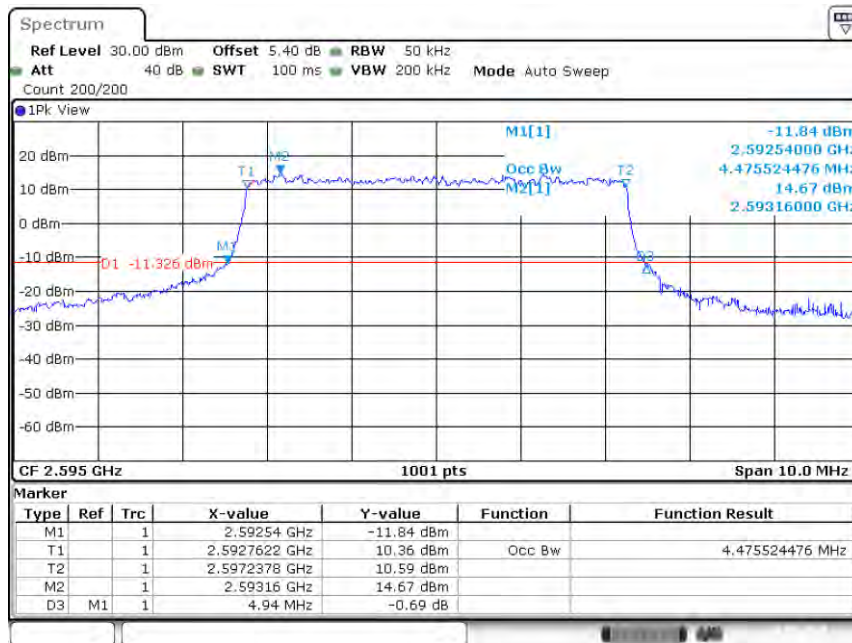


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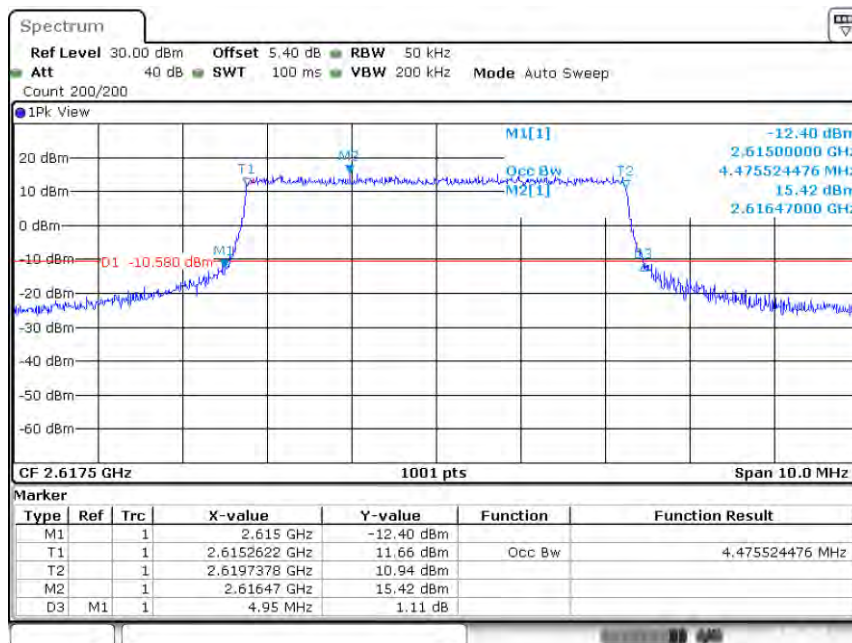


Band38-5MHz-QPSK-38000-25RB#0-4.476



Date: 31 JUL 2020 15:32:06

Band38-5MHz-QPSK-38225-25RB#0-4.476



Date: 31 JUL 2020 15:33:12

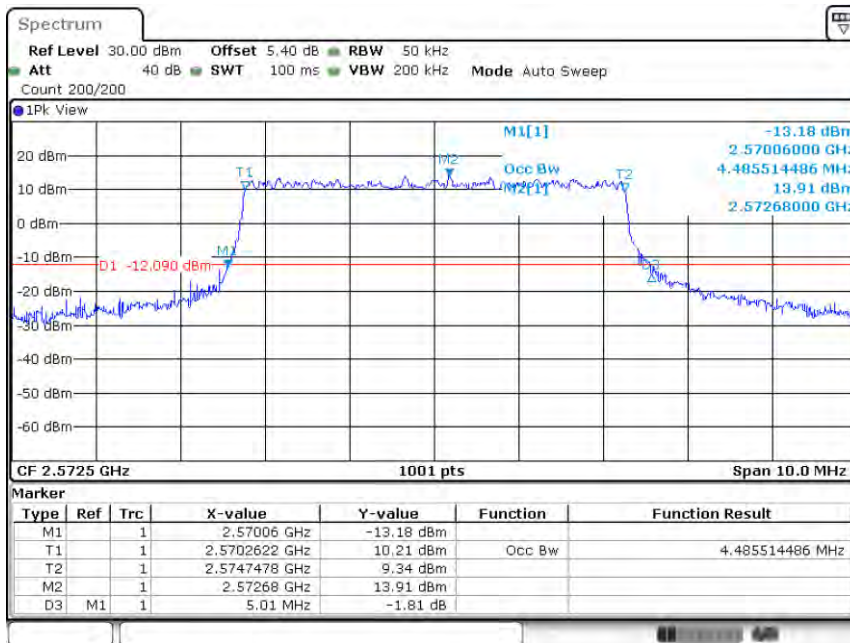


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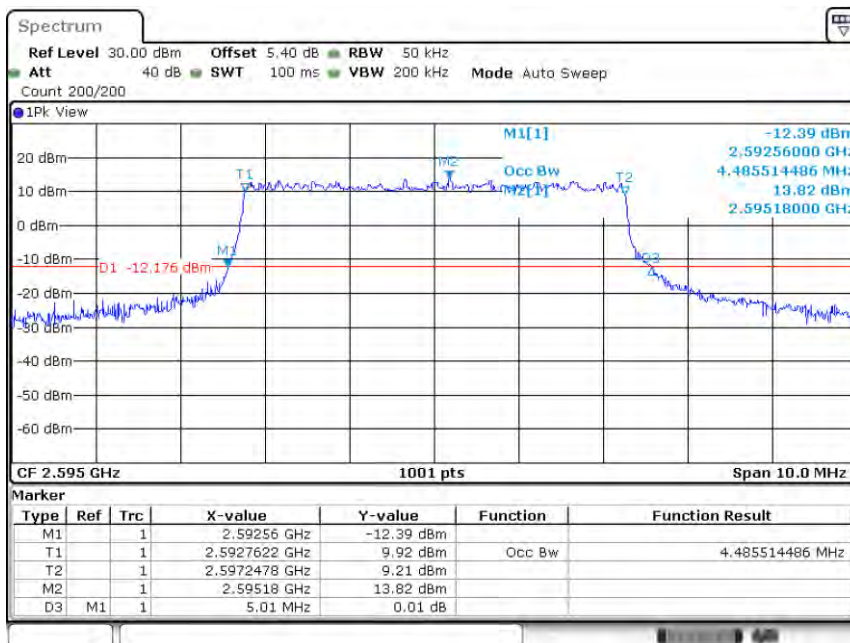


Band38-5MHz-64QAM-37775-25RB#0-4.486



Date: 25 AUG 2020 14:26:23

Band38-5MHz-64QAM-38000-25RB#0-4.486



Date: 25 AUG 2020 14:26:56

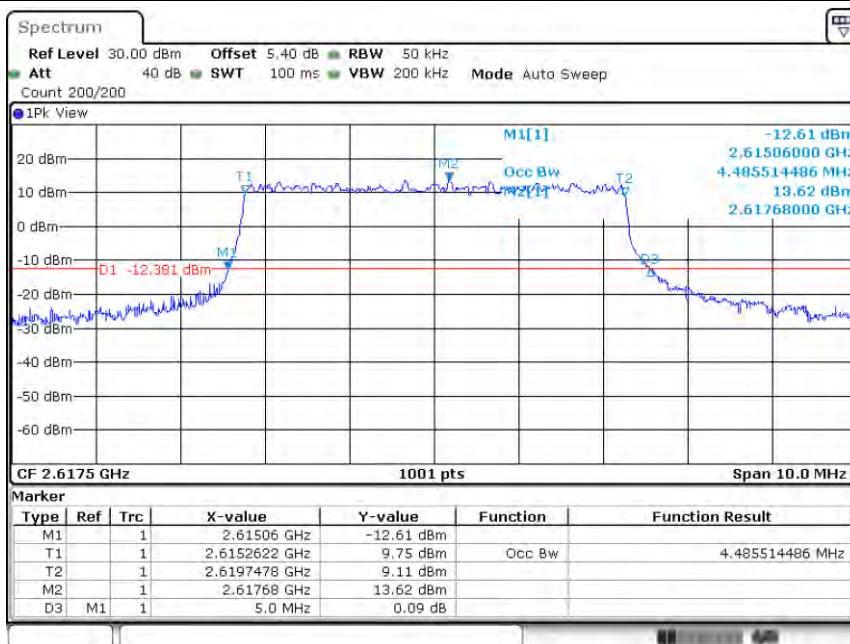


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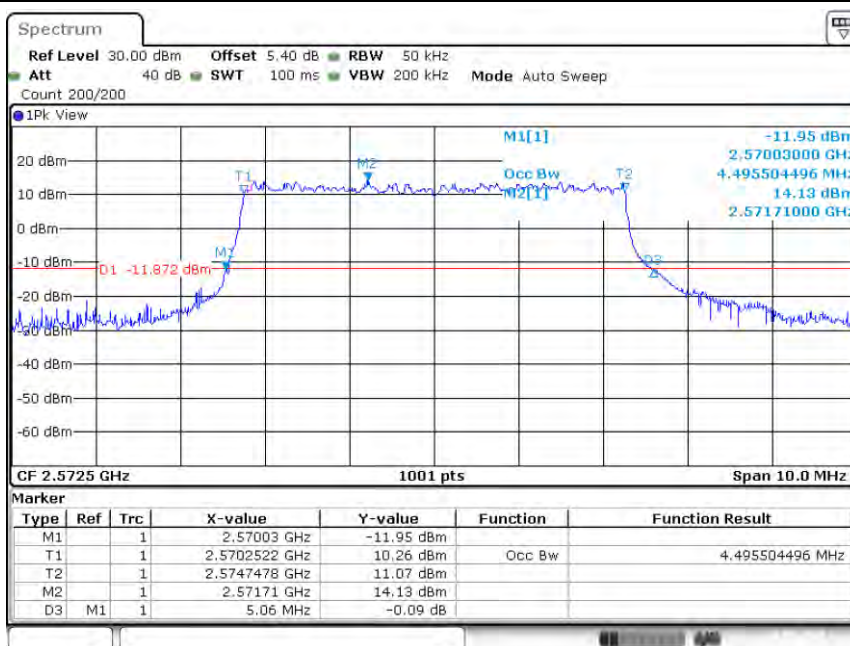


Band38-5MHz-64QAM-38225-25RB#0-4.486



Date: 25 AUG 2020 14:27:29

Band38-5MHz-16QAM-37775-25RB#0-4.496



Date: 31 JUL 2020 15:31:33

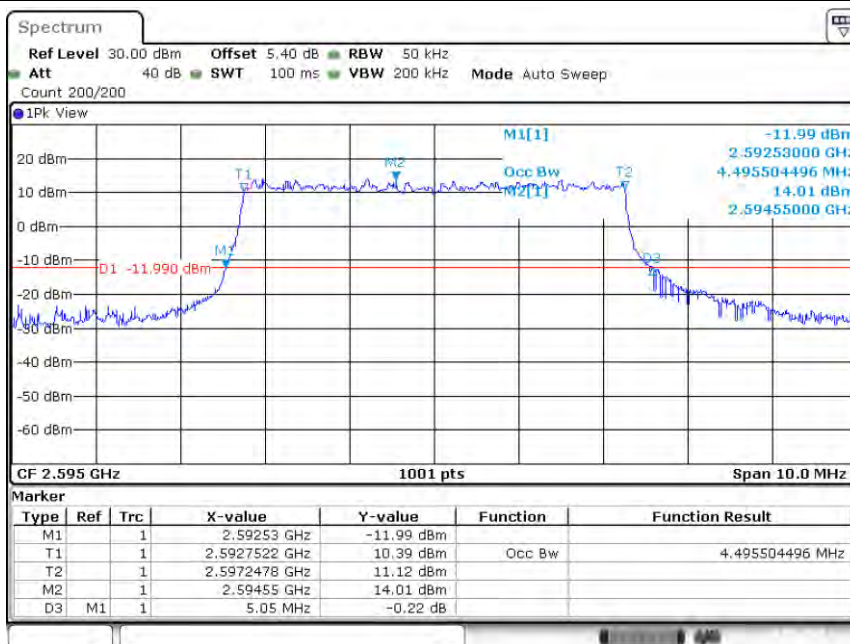


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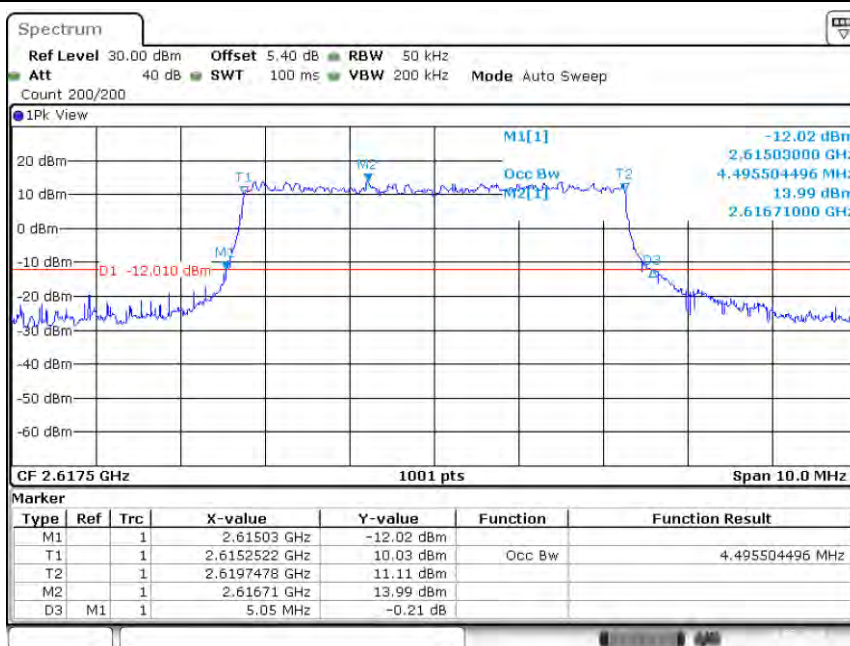


Band38-5MHz-16QAM-38000-25RB#0-4.496



Date: 31 JUL 2020 15:32:39

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

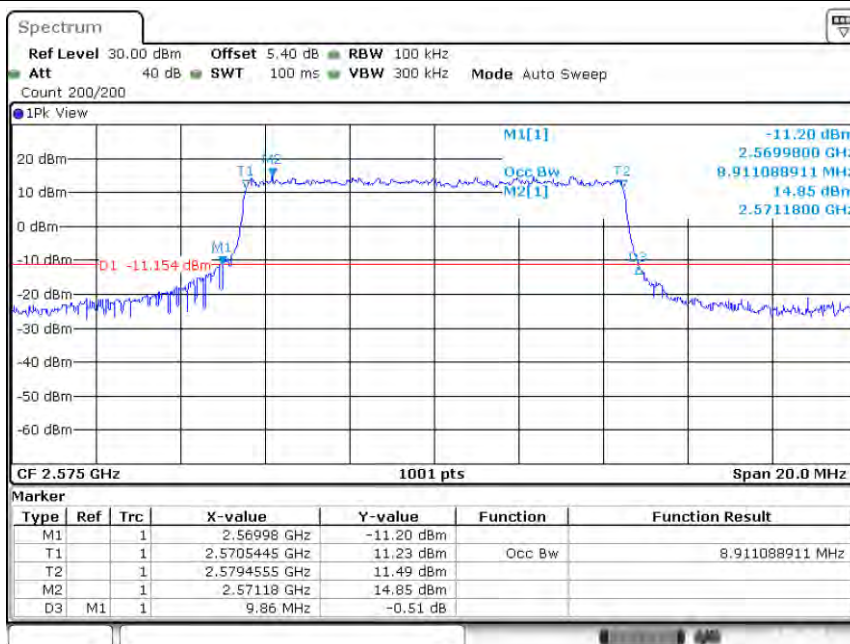


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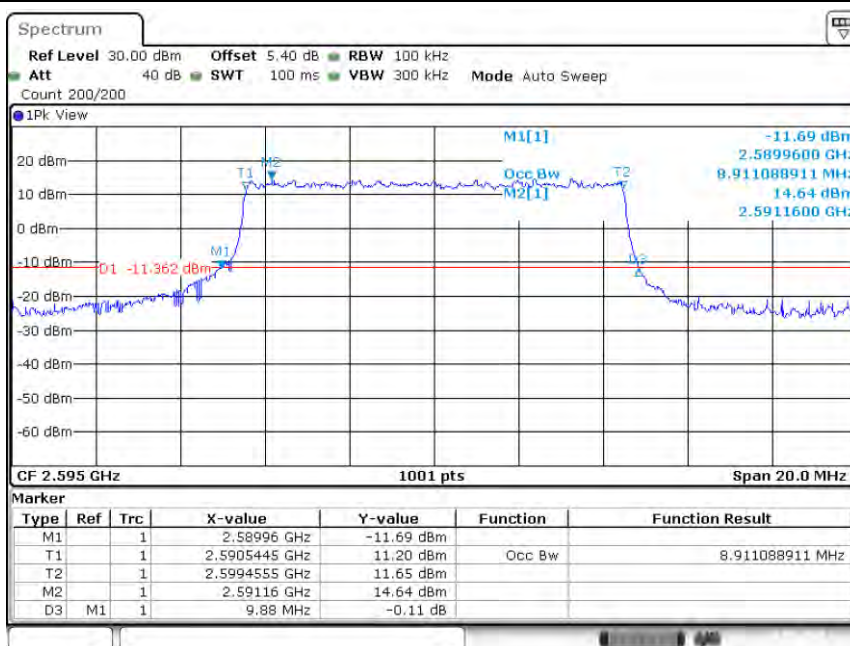


Band38-10MHz-QPSK-37800-50RB#0-8.911



Date: 31 JUL 2020 15:34:22

Band38-10MHz-QPSK-38000-50RB#0-8.911

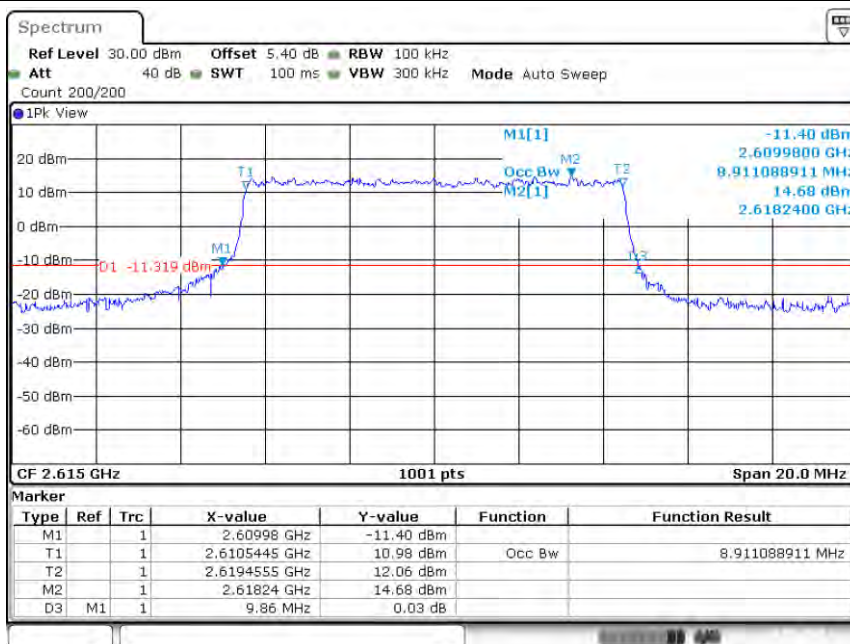


Date: 31 JUL 2020 15:35:27



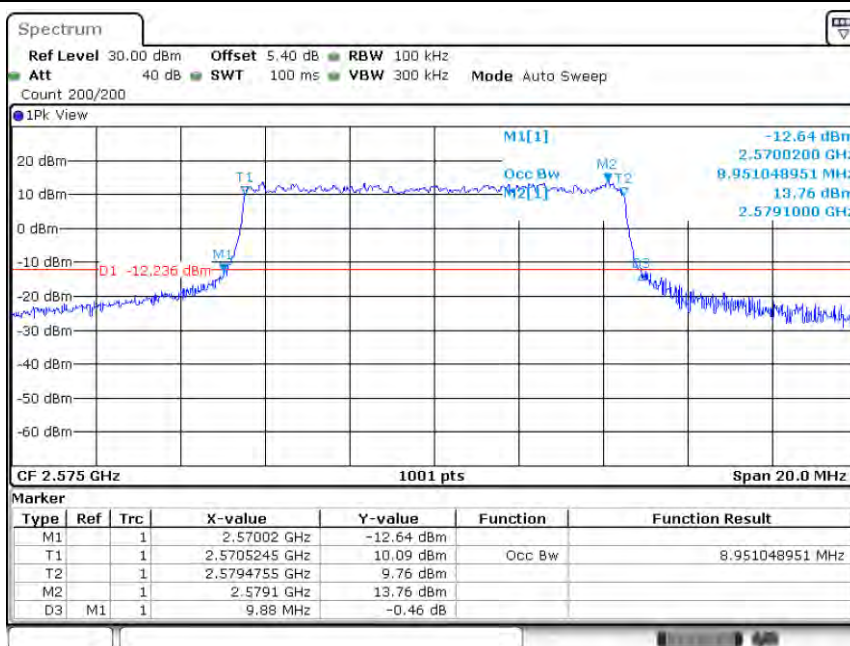


Band38-10MHz-QPSK-38200-50RB#0-8.911



Date: 31 JUL 2020 15:36:33

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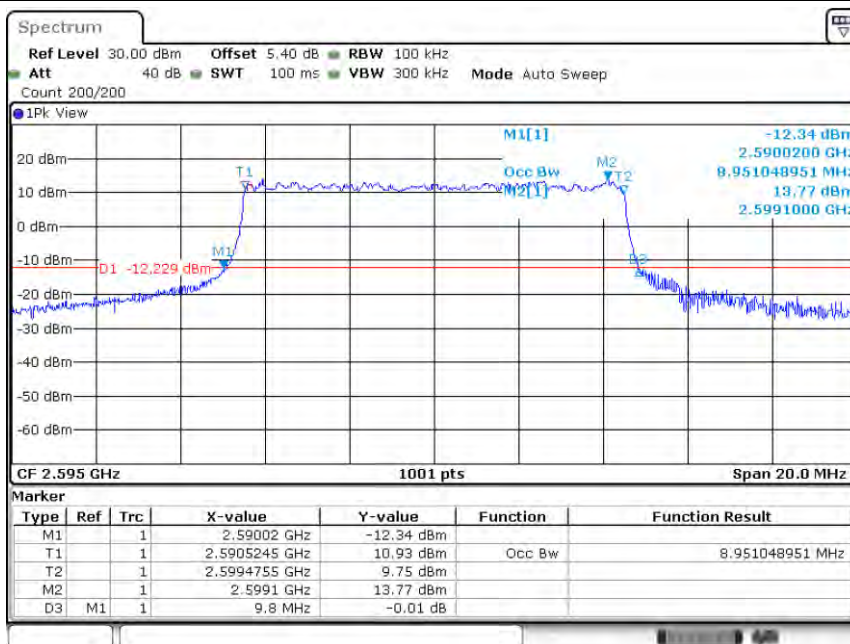


Date: 25 AUG 2020 14:28:11



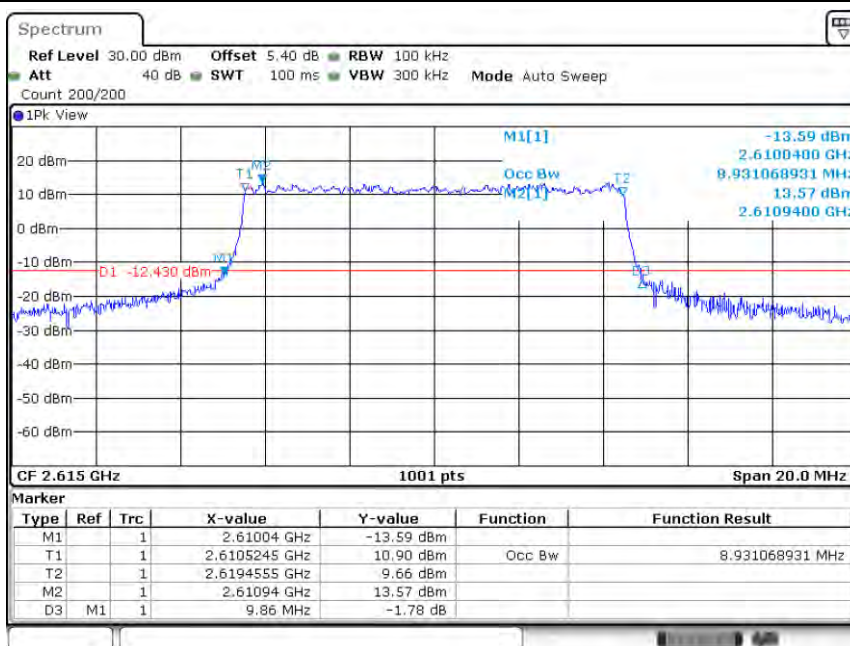


Band38-10MHz-64QAM-38000-50RB#0-8.951



Date: 25.AUG.2020 14:29:01

Band38-10MHz-64QAM-38200-50RB#0-8.931



Date: 25.AUG.2020 14:29:34

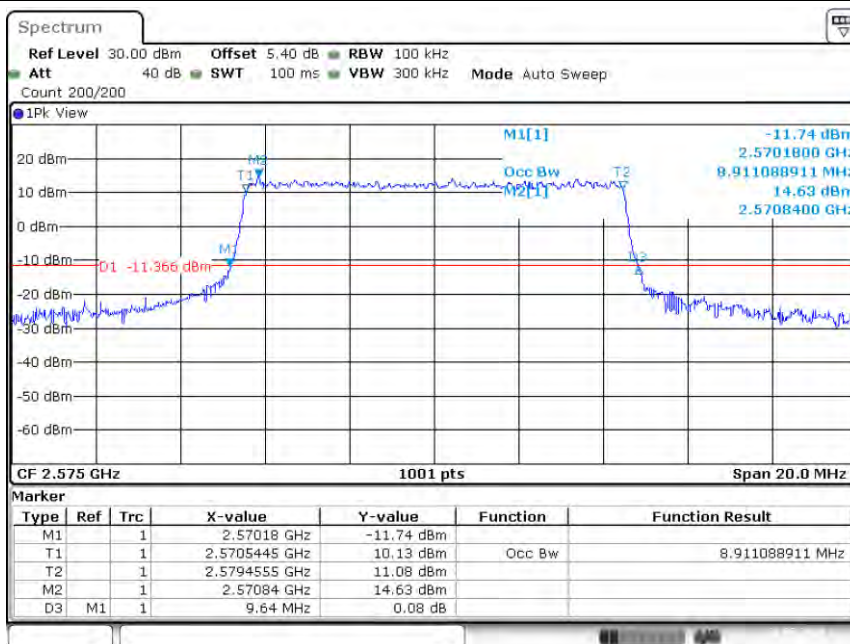


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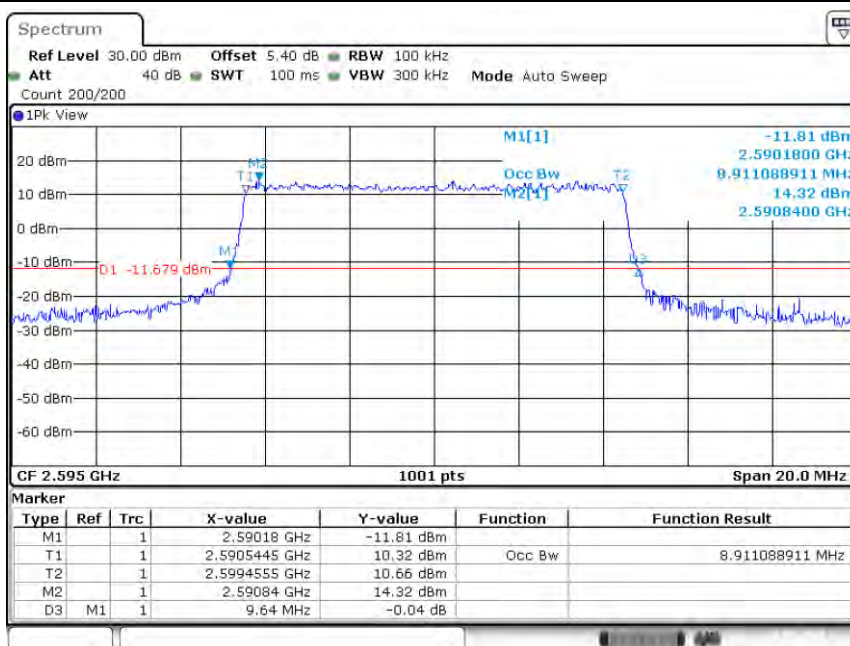
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Band38-10MHz-16QAM-37800-50RB#0-8.911



Date: 31 JUL 2020 15:34:55

Band38-10MHz-16QAM-38000-50RB#0-8.911



Date: 31 JUL 2020 15:36:00

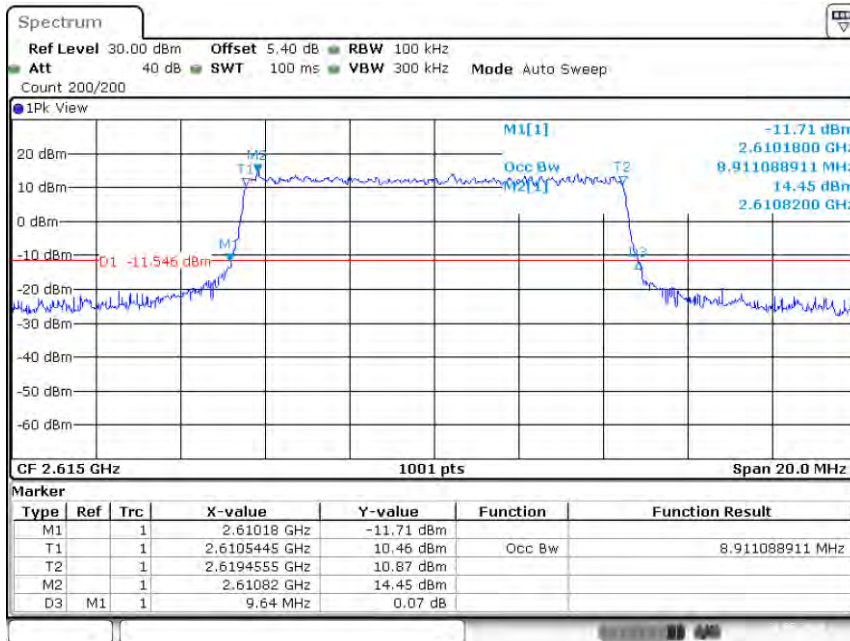


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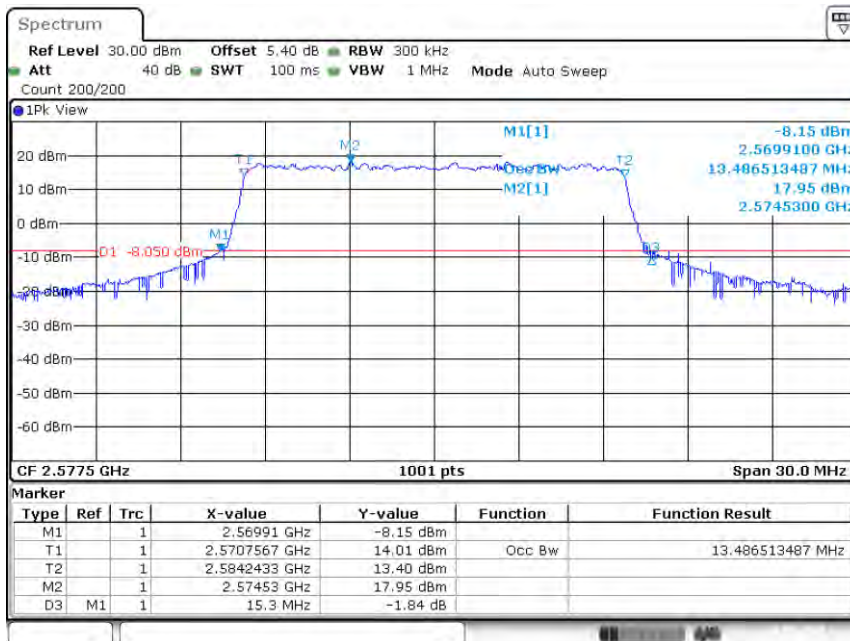


Band38-10MHz-16QAM-38200-50RB#0-8.911



Date: 31 JUL 2020 15:37:06

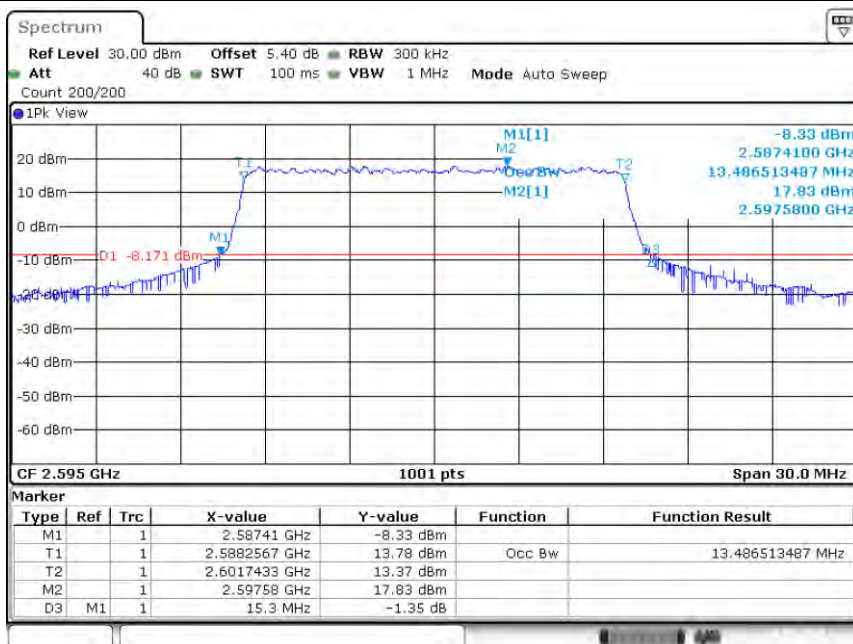
Band38-15MHz-QPSK-37825-75RB#0-13.487



Date: 31 JUL 2020 15:37:43

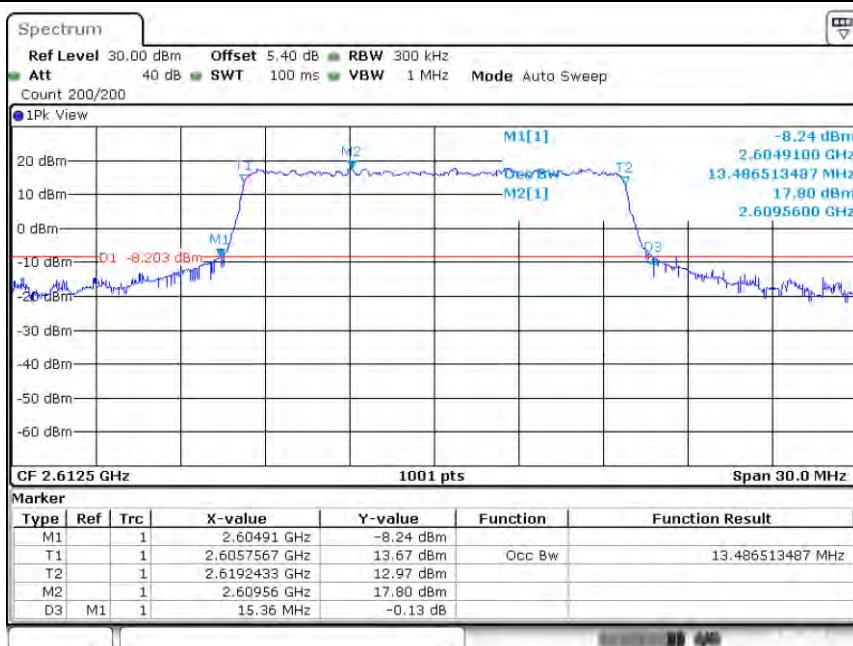


Band38-15MHz-QPSK-38000-75RB#0-13.487



Date: 31 JUL 2020 15:38:49

Band38-15MHz-QPSK-38175-75RB#0-13.487

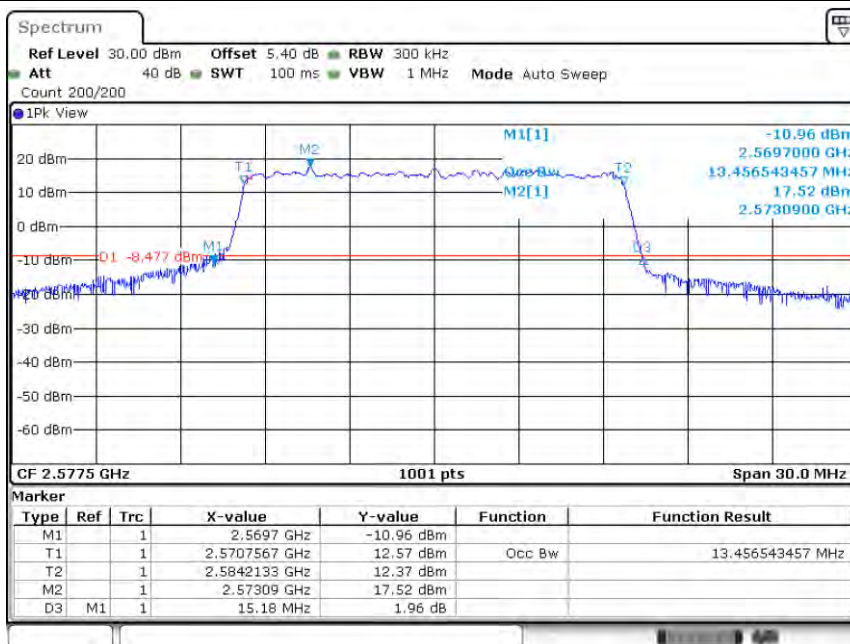


Date: 31 JUL 2020 15:39:54



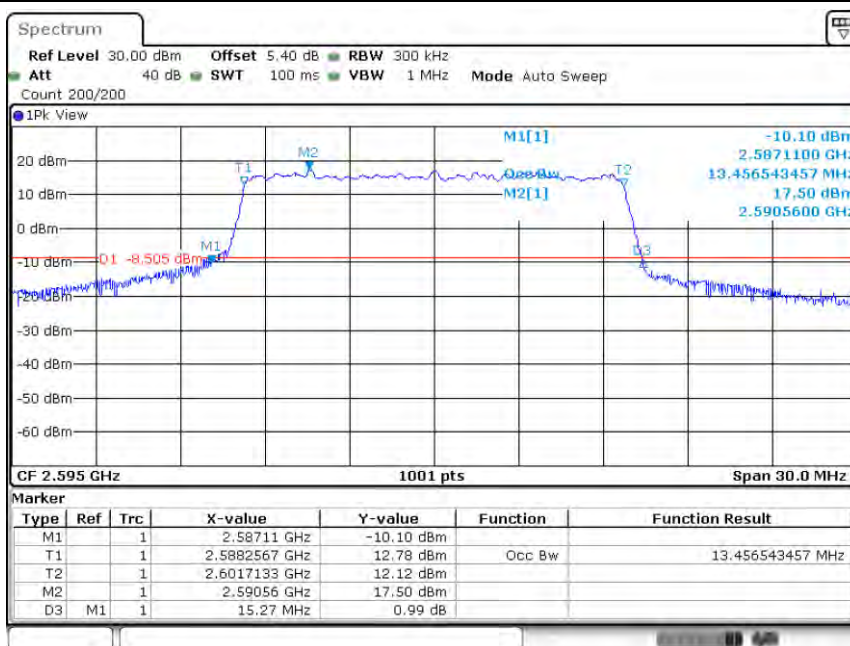


Band38-15MHz-64QAM-37825-75RB#0-13.457



Date: 25 AUG 2020 14:30:48

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Date: 25 AUG 2020 14:32:10

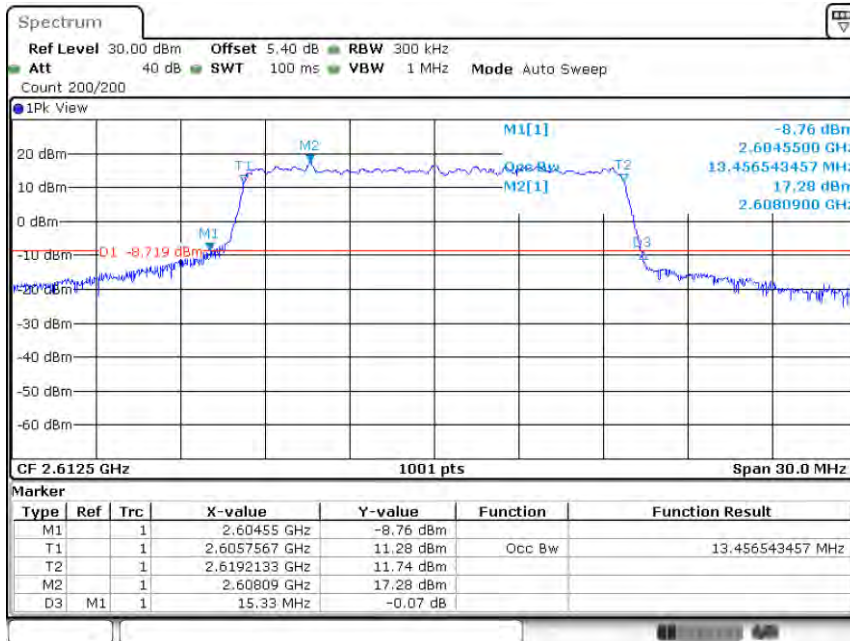


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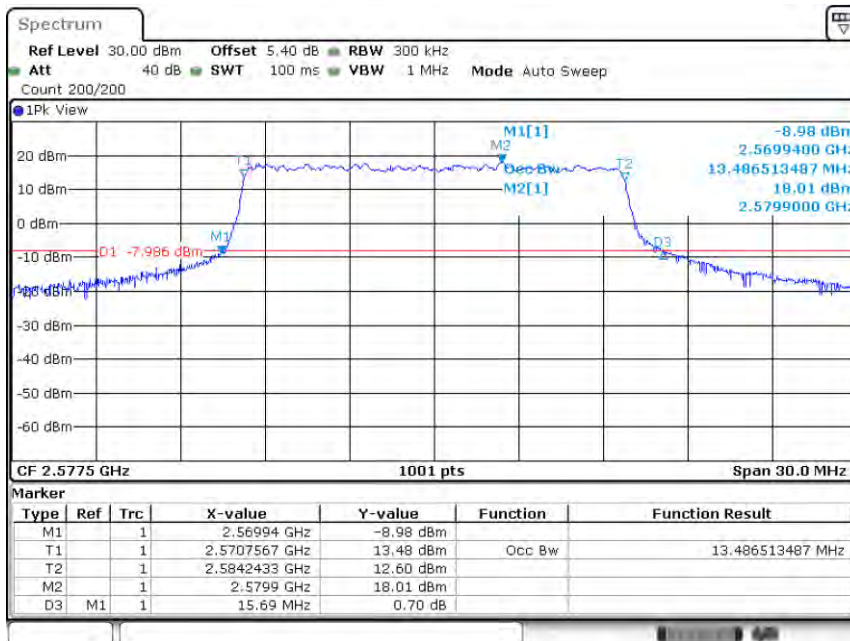


Band38-15MHz-64QAM-38175-75RB#0-13.457



Date: 25 AUG 2020 14:33:44

Band38-15MHz-16QAM-37825-75RB#0-13.487



Date: 25 AUG 2020 14:30:15

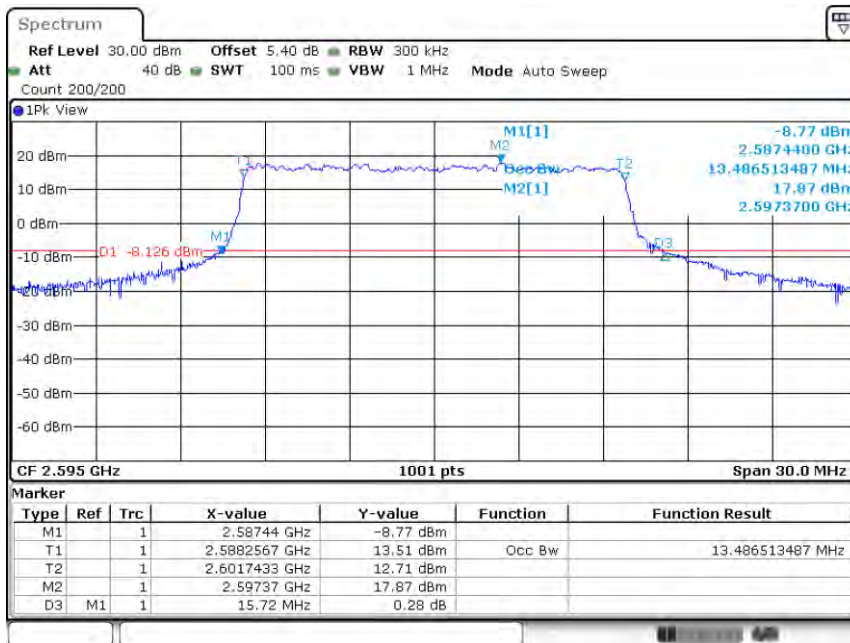


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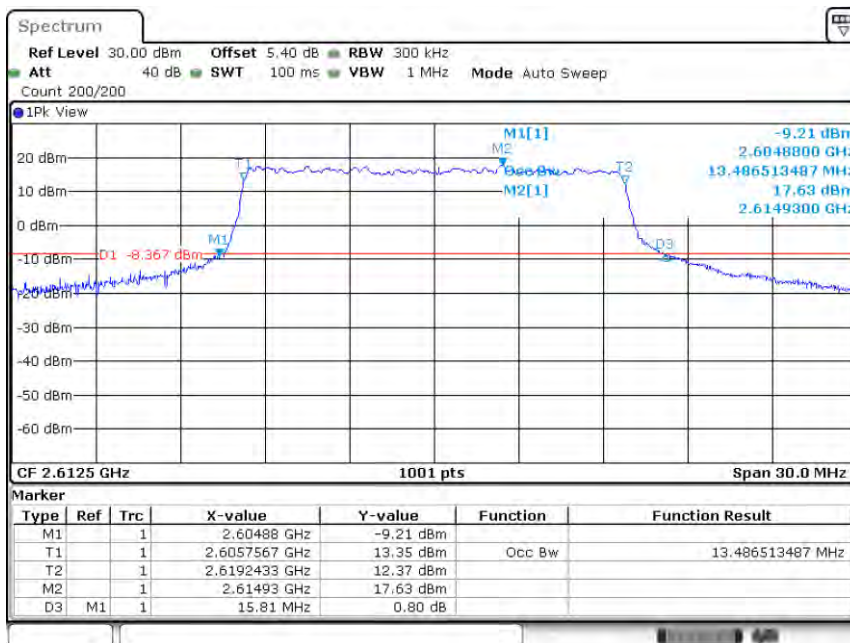


Band38-15MHz-16QAM-38000-75RB#0-13.487



Date: 25 AUG 2020 14:31:33

Band38-15MHz-16QAM-38175-75RB#0-13.487



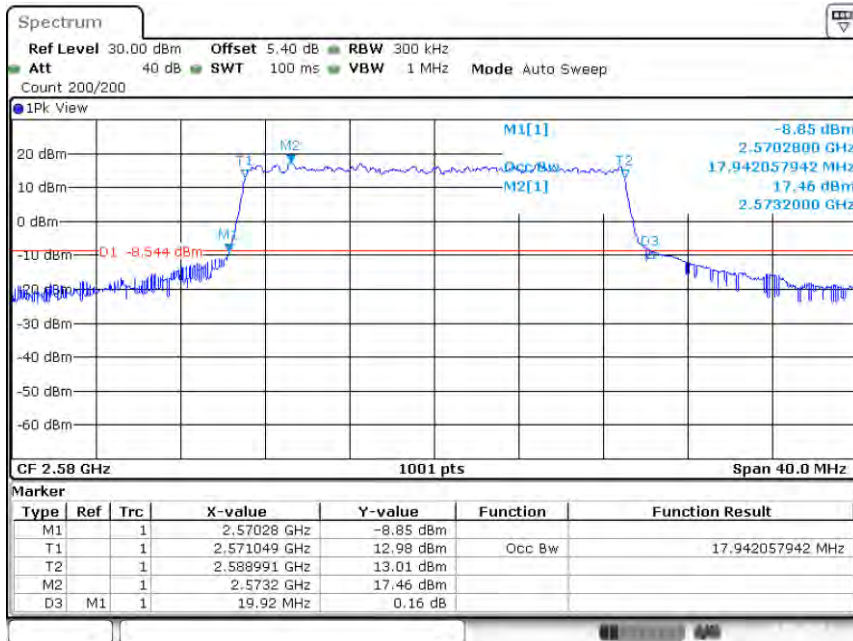
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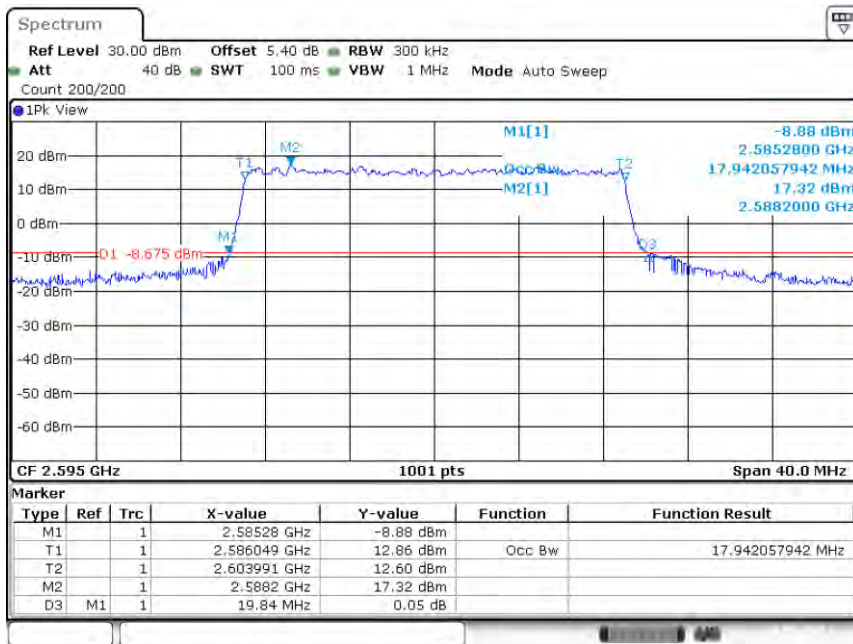
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Band38-20MHz-QPSK-37850-100RB#0-17.942



Date: 31 JUL 2020 15:41:04

Band38-20MHz-QPSK-38000-100RB#0-17.942



Date: 31 JUL 2020 15:42:10

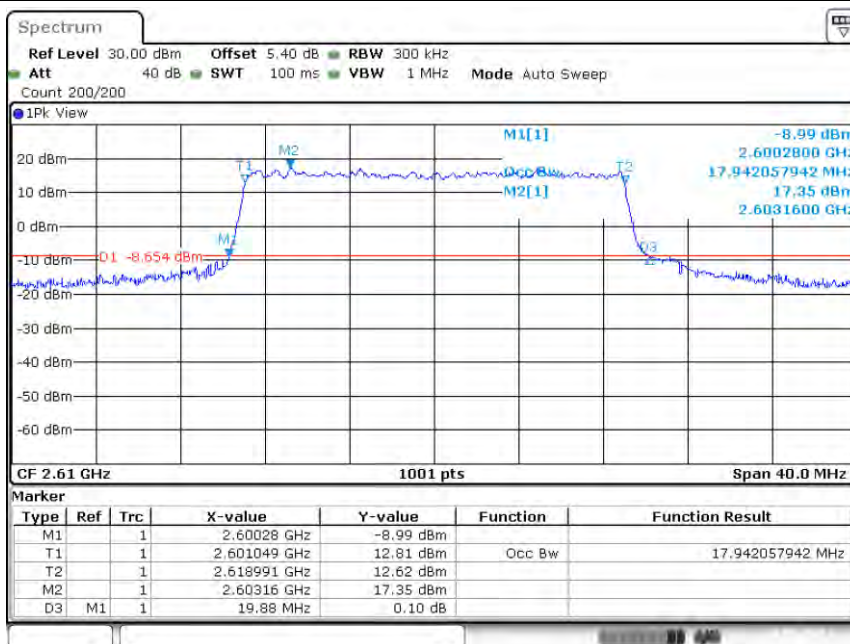


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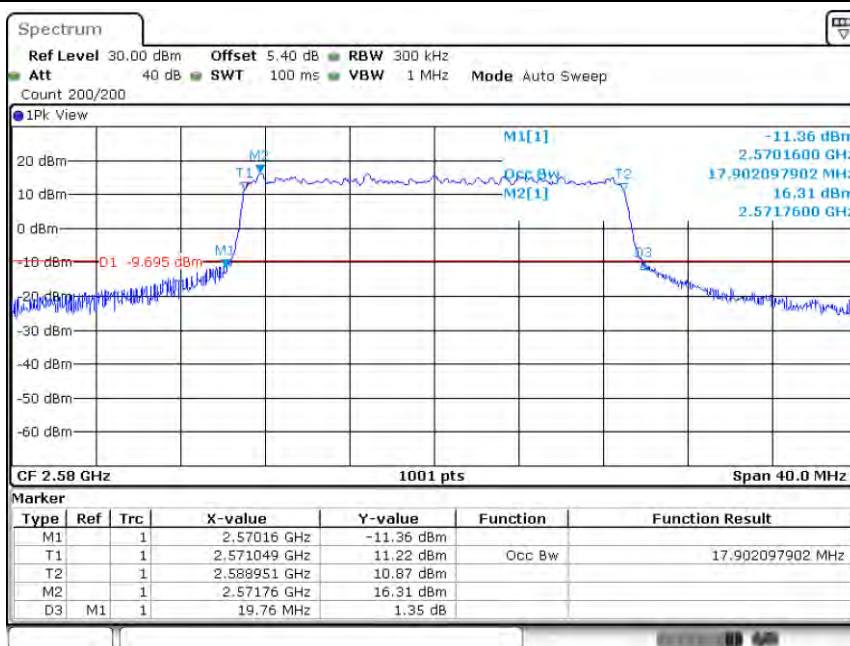


Band38-20MHz-QPSK-38150-100RB#0-17.942



Date: 31 JUL 2020 15:43:16

Band38-20MHz-64QAM-37850-100RB#0-17.902

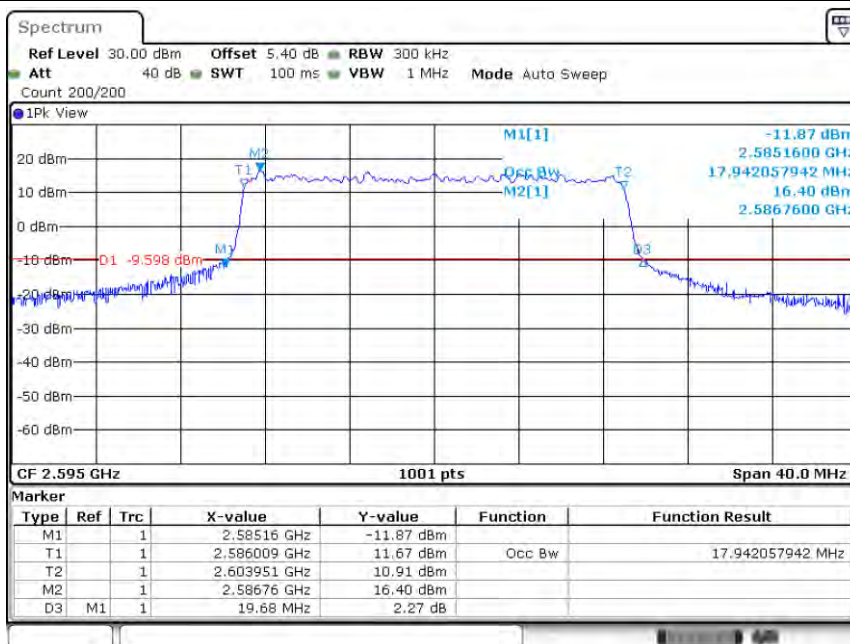


Date: 25 AUG 2020 14:36:11



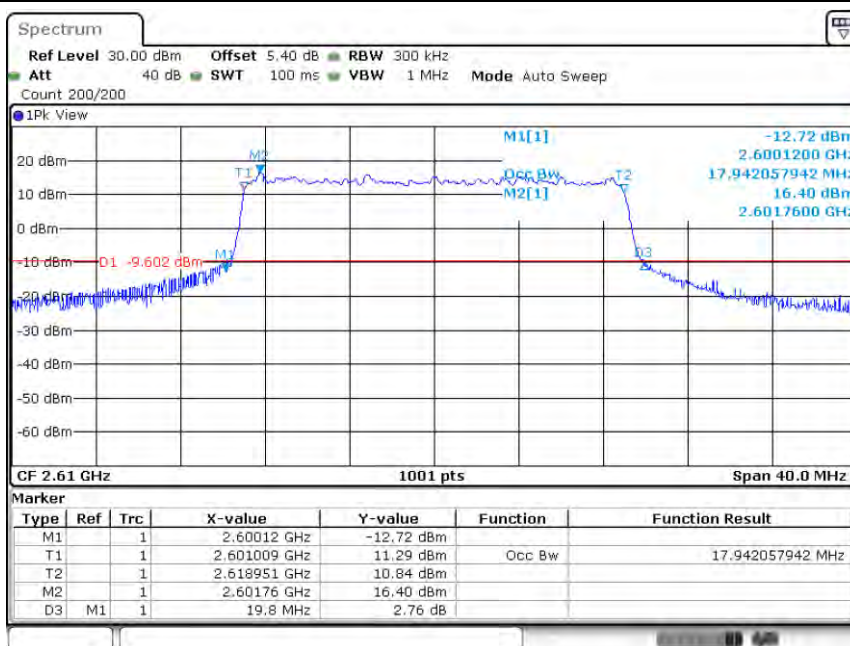


Band38-20MHz-64QAM-38000-100RB#0-17.942



Date: 25.AUG.2020 14:37:45

Band38-20MHz-64QAM-38150-100RB#0-17.942



Date: 25.AUG.2020 14:39:11

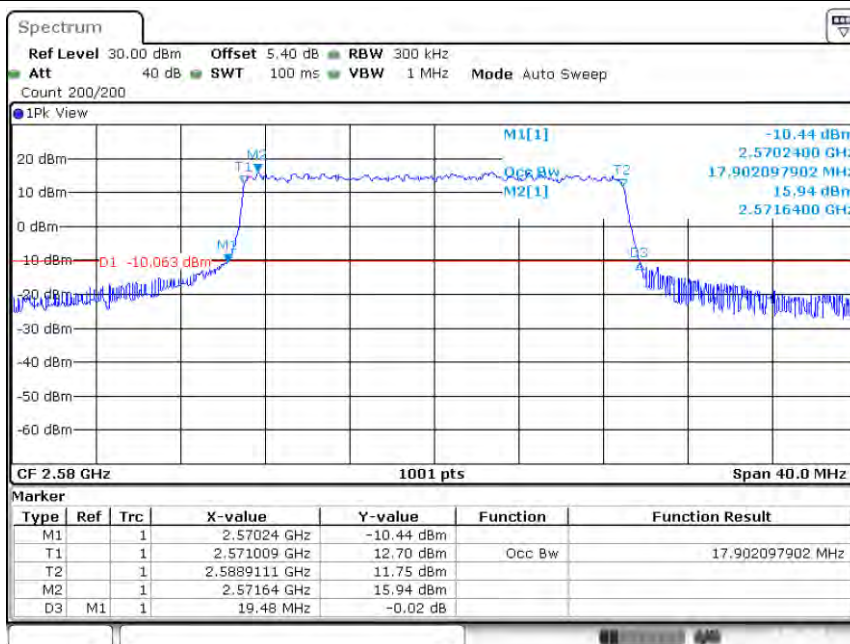


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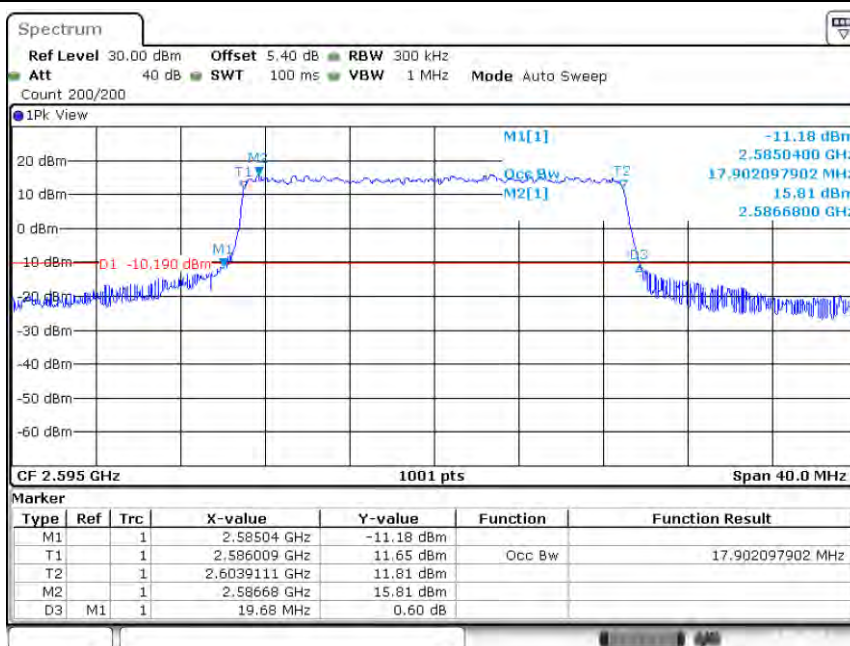


Band38-20MHz-16QAM-37850-100RB#0-17.902



Date: 31 JUL 2020 15:41:37

Band38-20MHz-16QAM-38000-100RB#0-17.902



Date: 31 JUL 2020 15:42:43



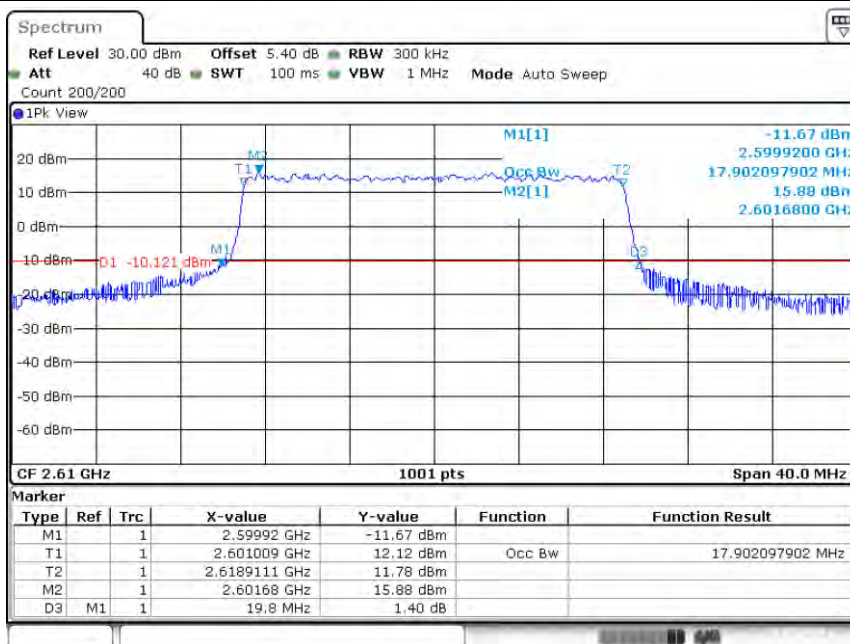
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Band38-20MHz-16QAM-38150-100RB#0-17.902



Date: 31 JUL 2020 15:43:48



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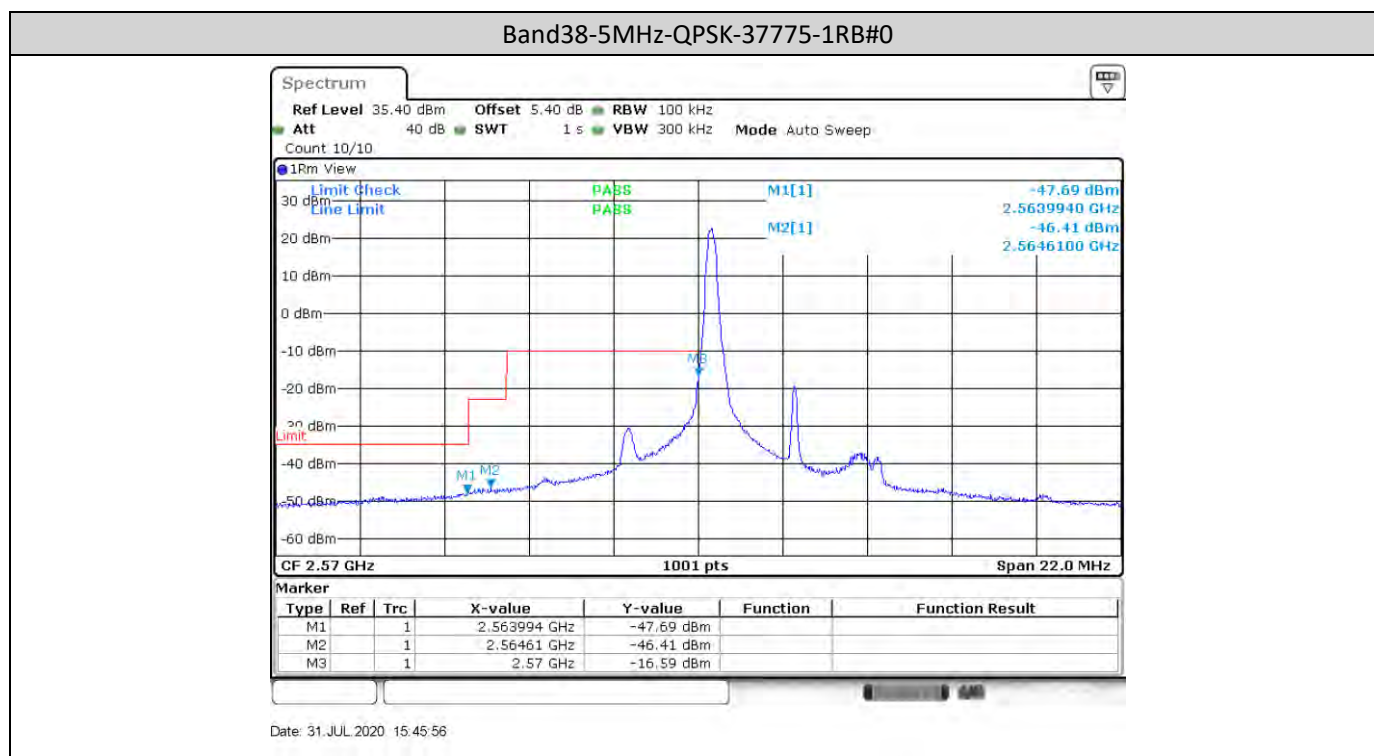
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5. Band Edge Compliance

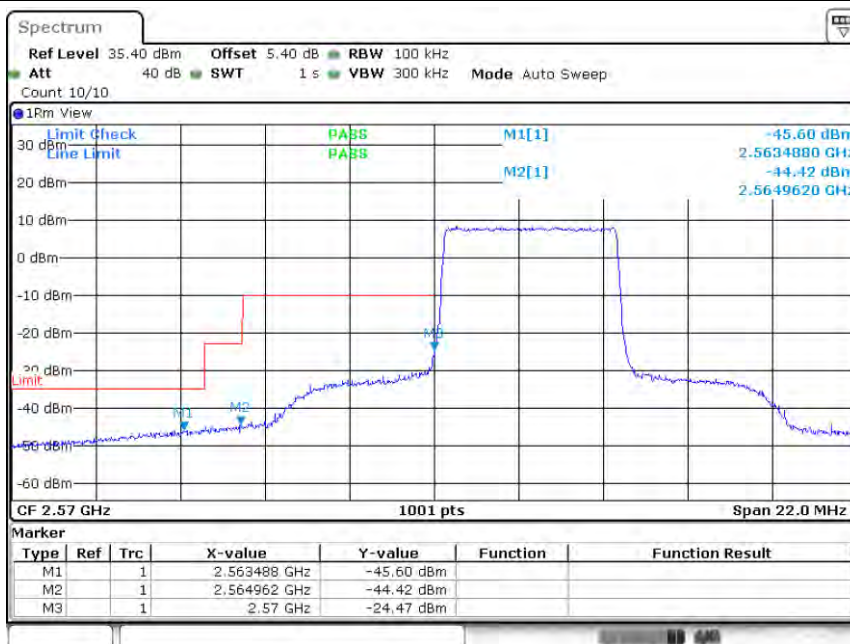
Remark: For Band Edge Compliance measurements, due to the measurement bandwidth is different to reference bandwidth. The limit has been adjusted by subtracting $10 \log [(reference\ bandwidth) / (resolution\ or\ measurement\ bandwidth)]$ according to ANSI C63.26.

5.1. Test Plots



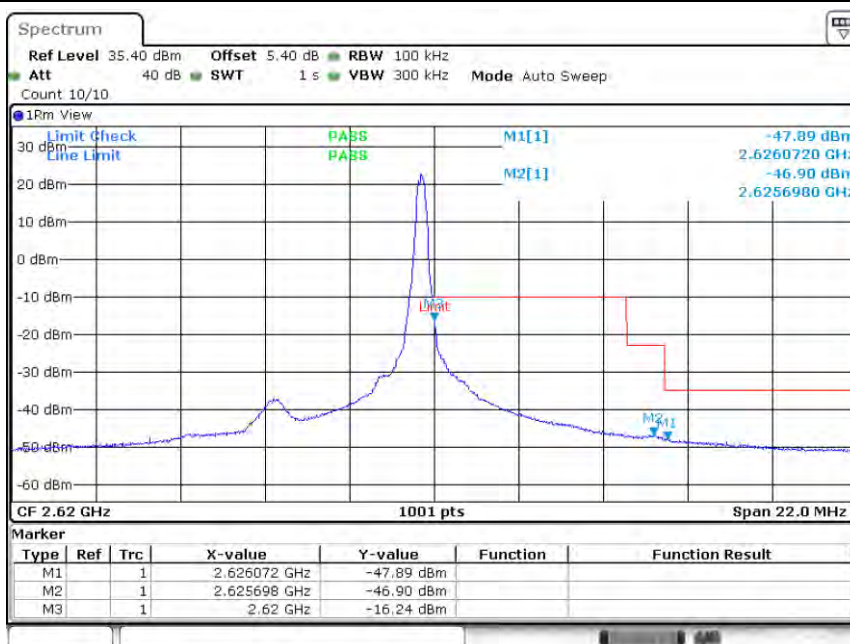


Band38-5MHz-QPSK-37775-25RB#0



Date: 31 JUL 2020 15:50:06

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

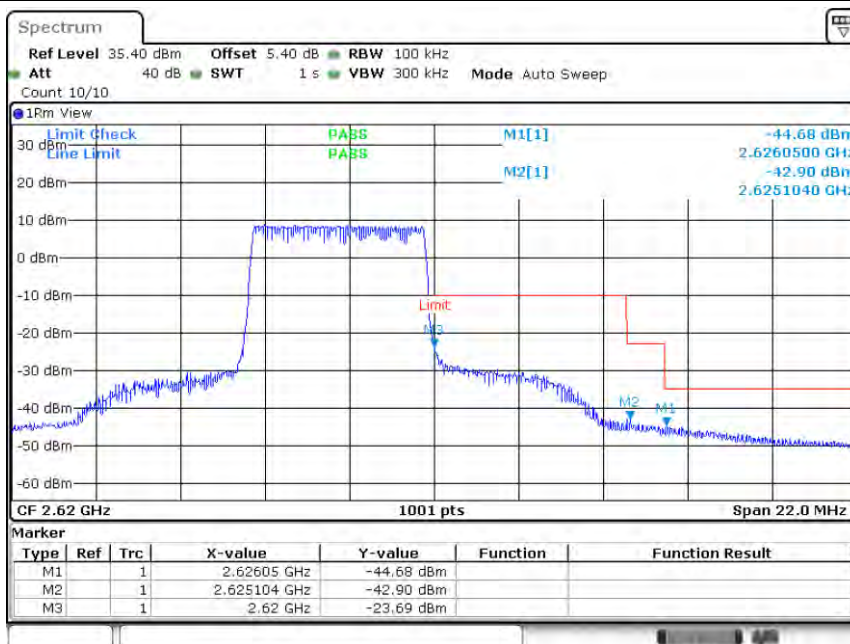


Date: 31 JUL 2020 15:49:05



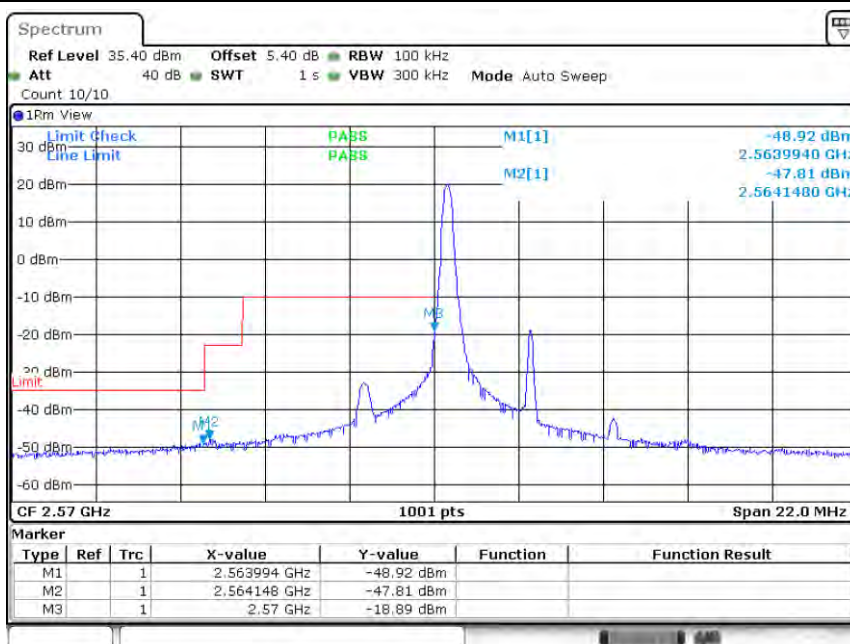


Band38-5MHz-QPSK-38225-25RB#0



Date: 25.AUG.2020 14:40:06

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



Date: 31.JUL.2020 14:59:07

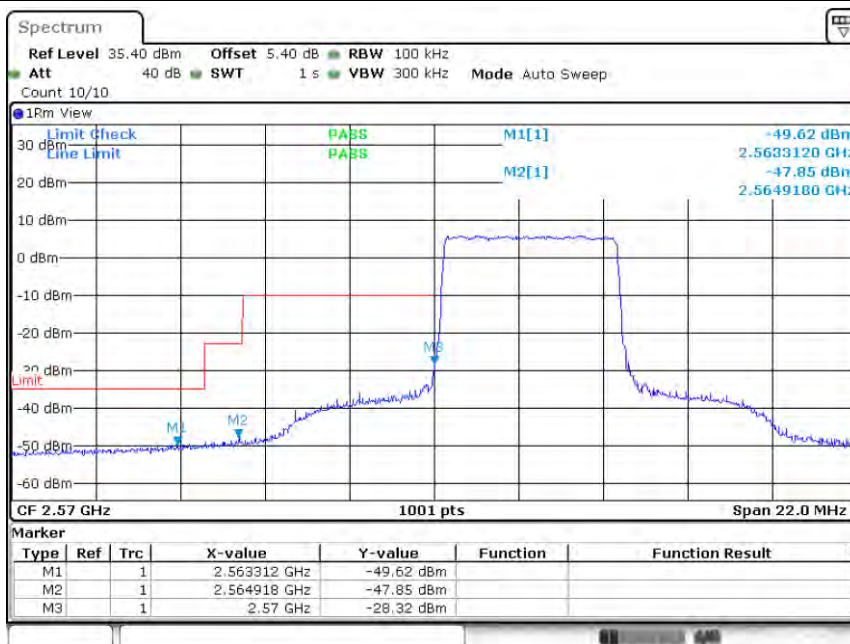


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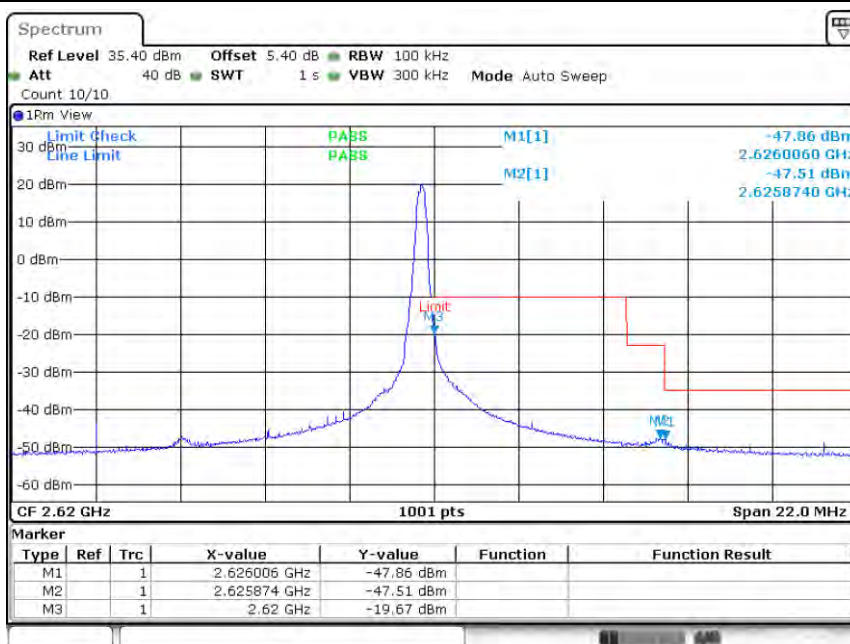


Band38-5MHz-64QAM-37775-25RB#0



Date: 31 JUL 2020 15:00:23

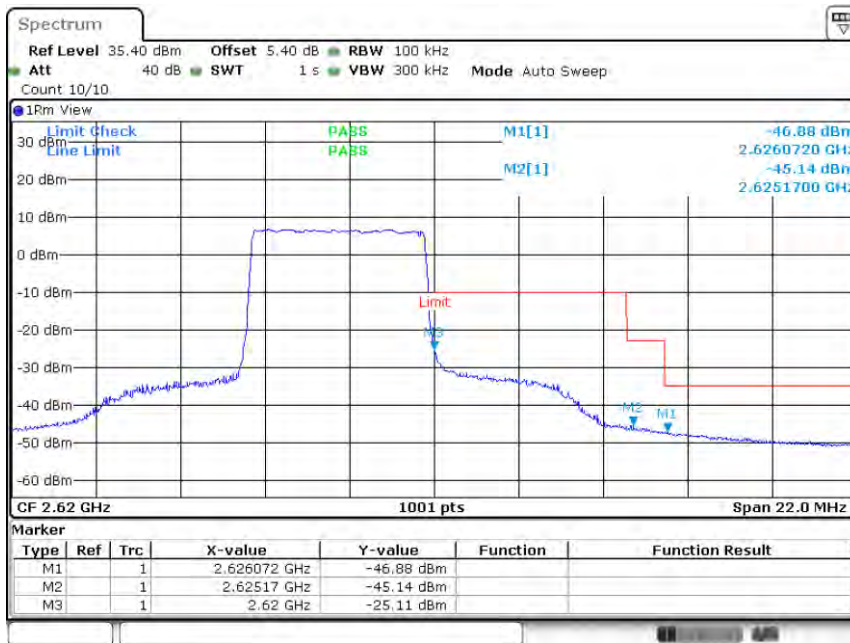
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Date: 31 JUL 2020 14:59:57

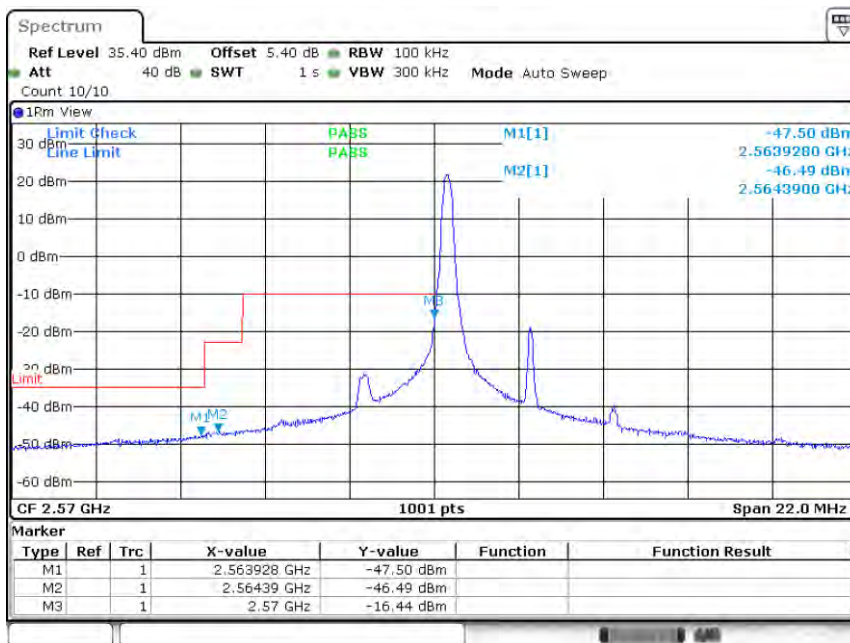


Band38-5MHz-64QAM-38225-25RB#0



Date: 25.AUG.2020 14:48:41

Band38-5MHz-16QAM-37775-1RB#0



Date: 31.JUL.2020 15:46:18

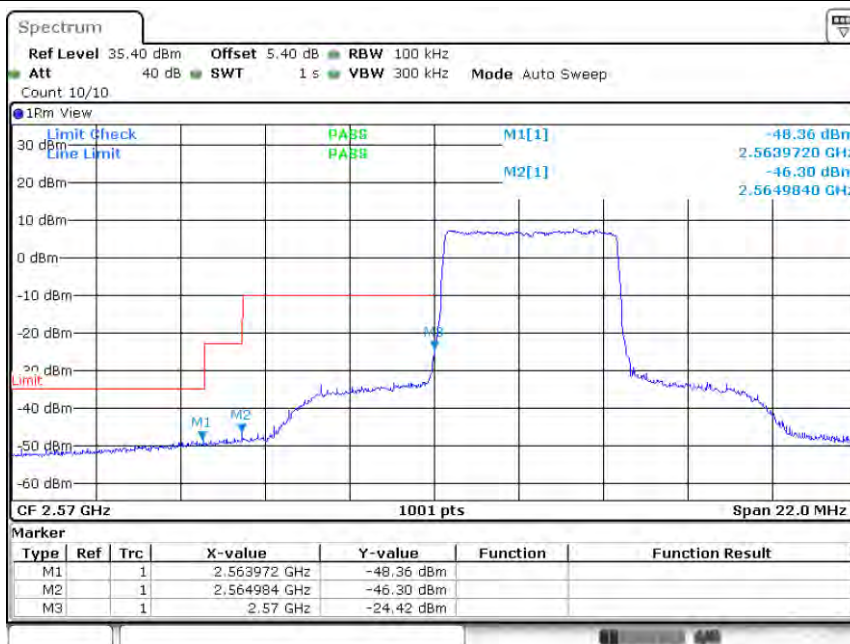


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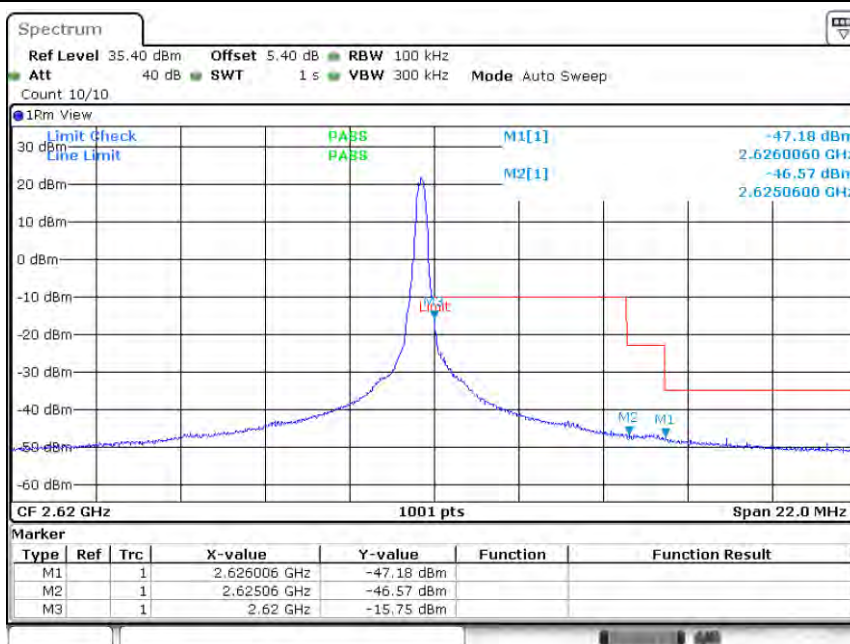


Band38-5MHz-16QAM-37775-25RB#0



Date: 31 JUL 2020 15:50:28

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



Date: 31 JUL 2020 15:49:40



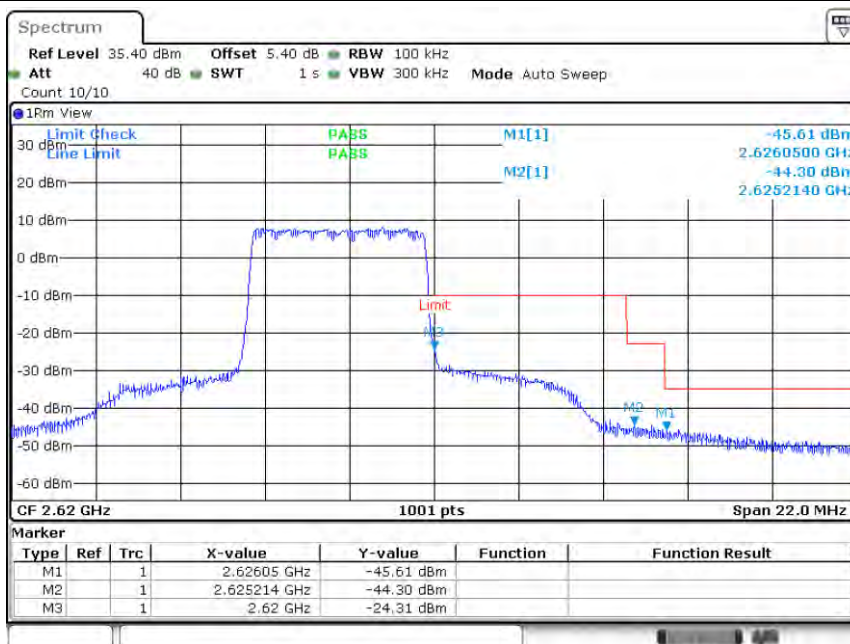
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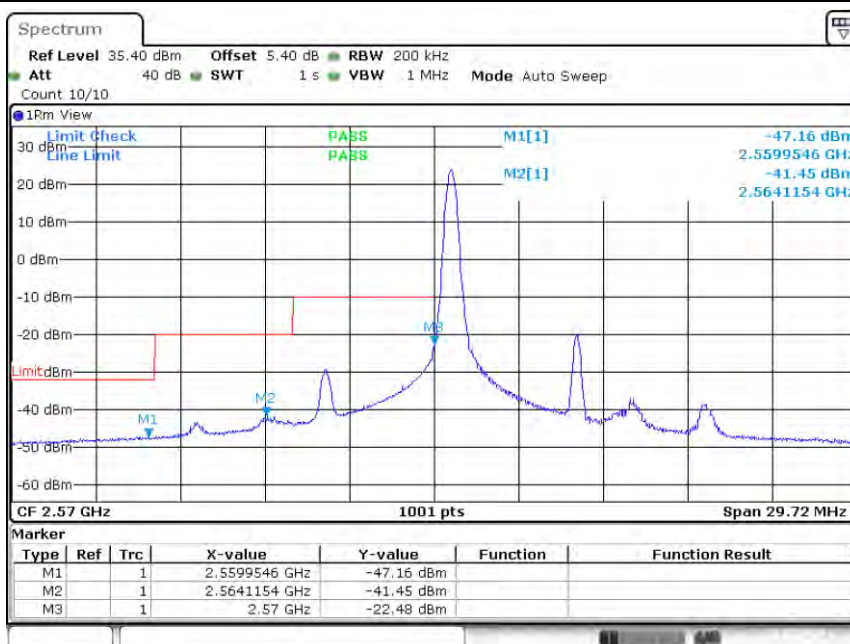


Band38-5MHz-16QAM-38225-25RB#0



Date: 25.AUG.2020 14:43:55

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



Date: 31.JUL.2020 12:16:02



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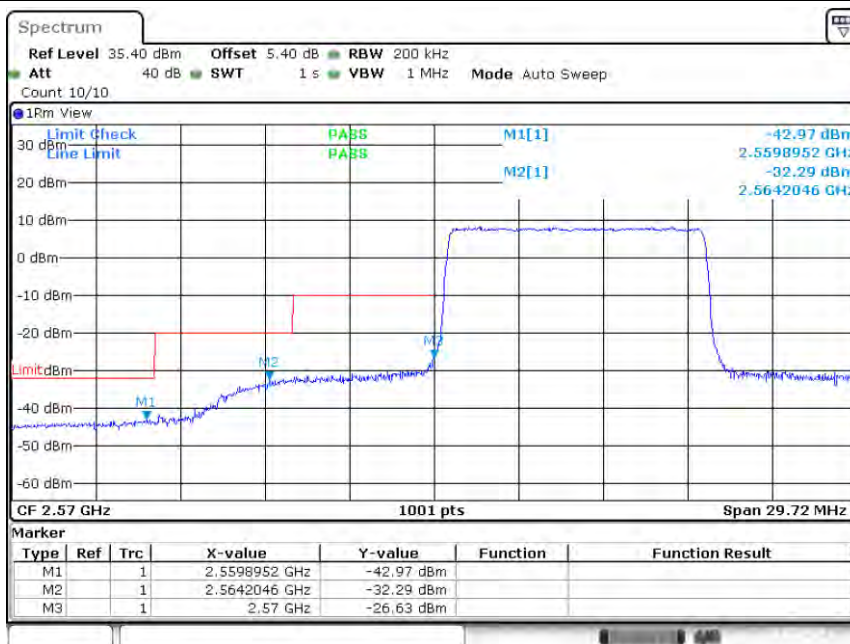
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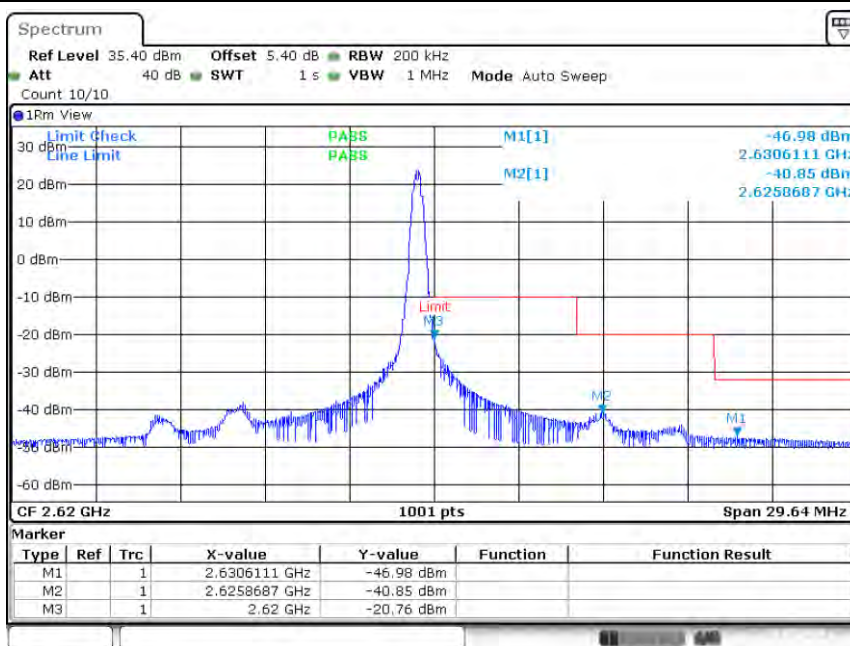
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Band38-10MHz-QPSK-37800-50RB#0



Date: 31 JUL 2020 12:17:37

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



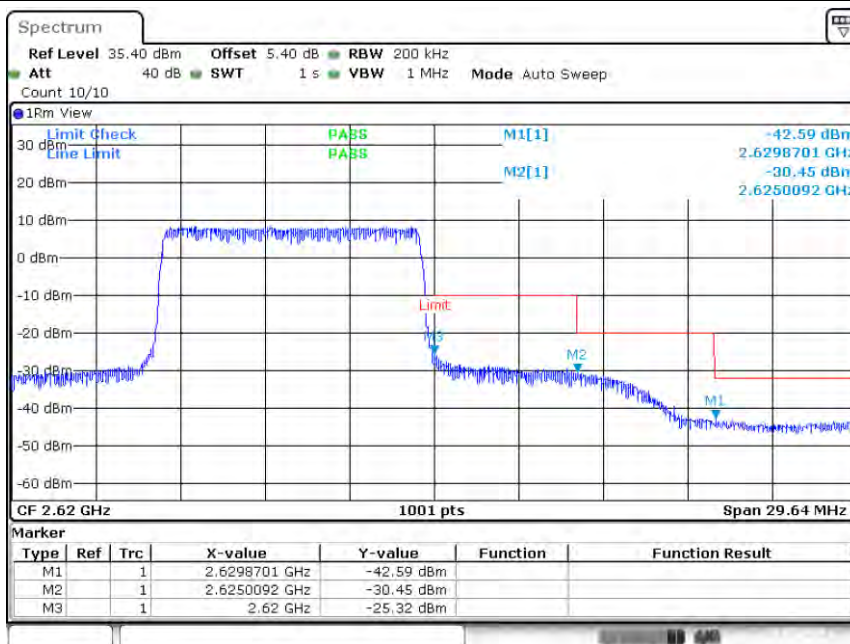
Date: 31 JUL 2020 12:16:50



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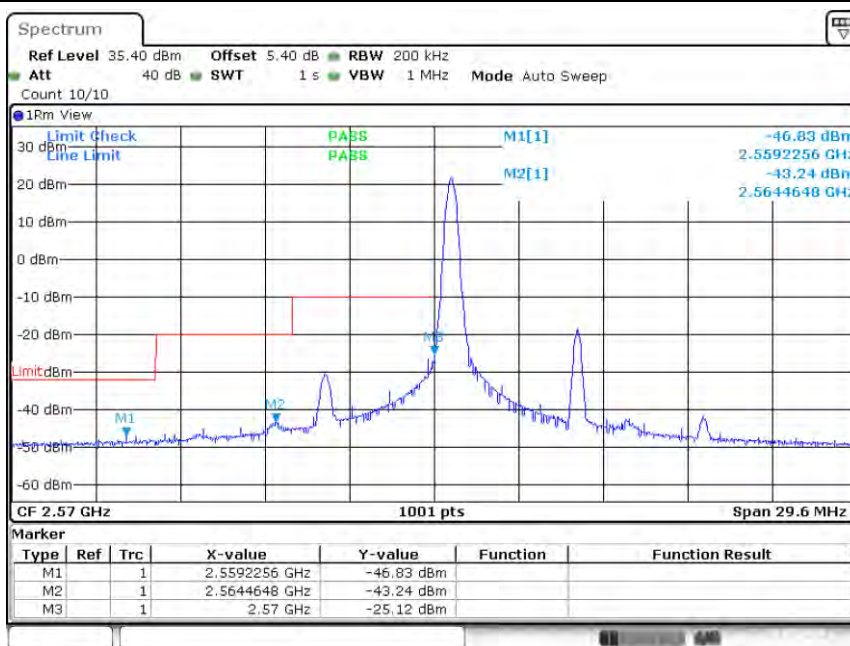
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Band38-10MHz-QPSK-38200-50RB#0



Date: 31 JUL 2020 12:18:20

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



Date: 31 JUL 2020 15:01:12

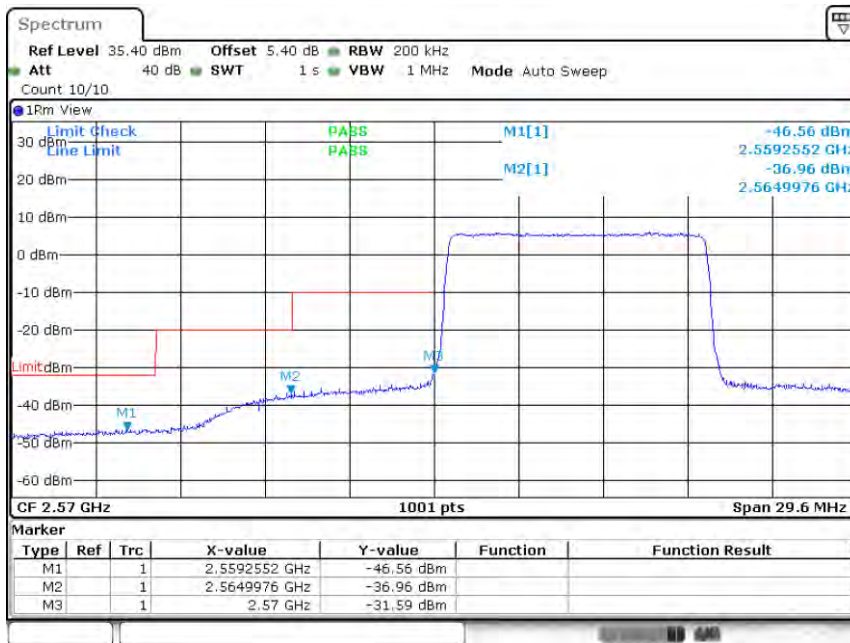


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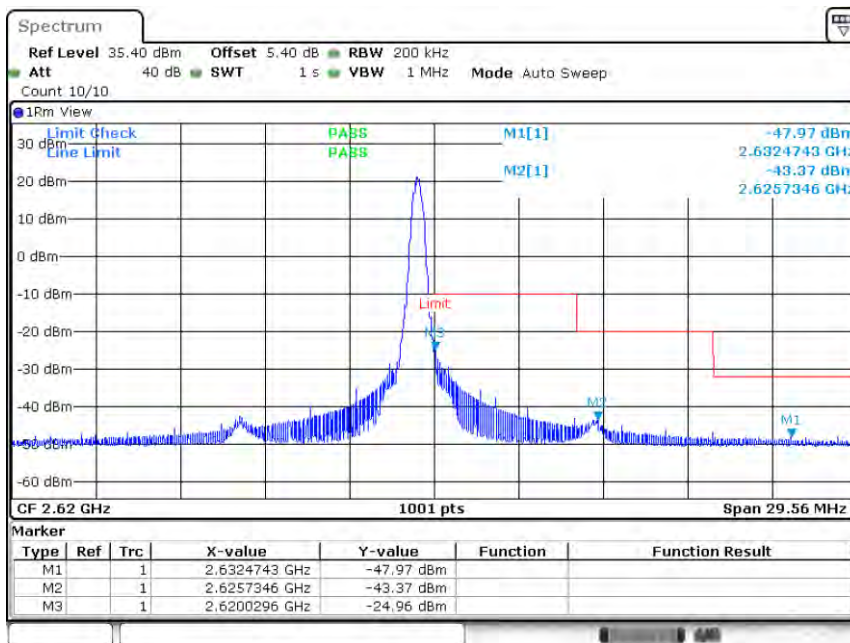
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Band38-10MHz-64QAM-37800-50RB#0



Date: 31 JUL 2020 15:02:04

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



Date: 31 JUL 2020 15:01:38

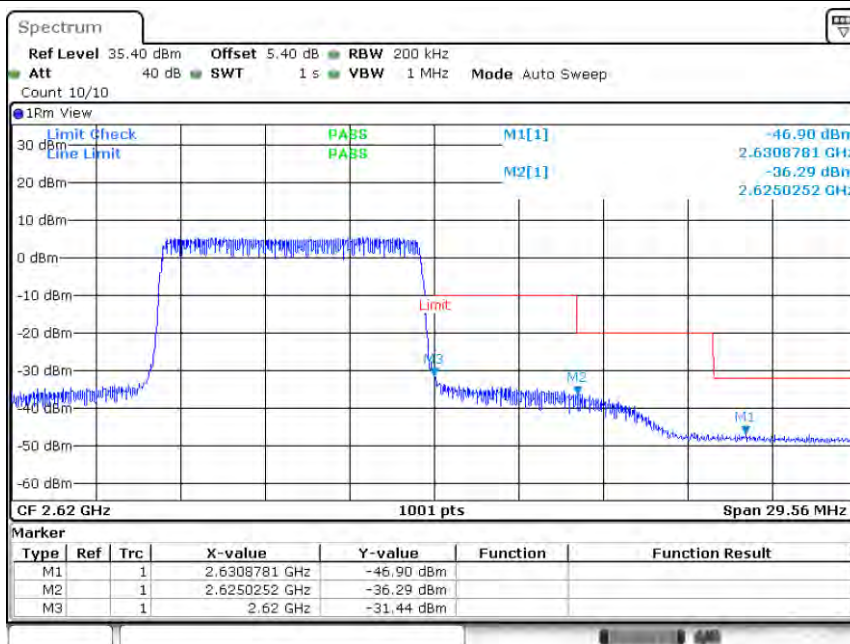


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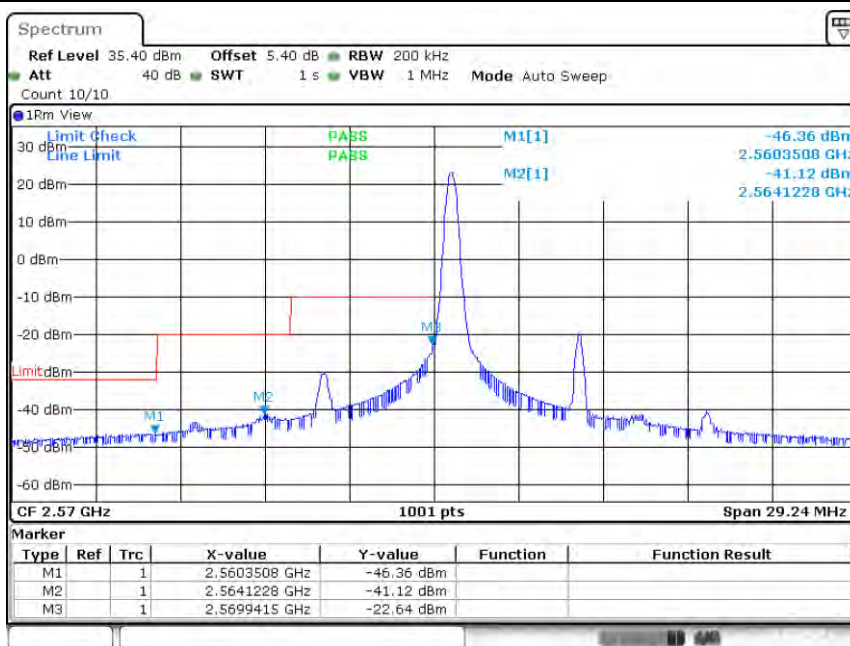


Band38-10MHz-64QAM-38200-50RB#0



Date: 31 JUL 2020 15:02:26

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

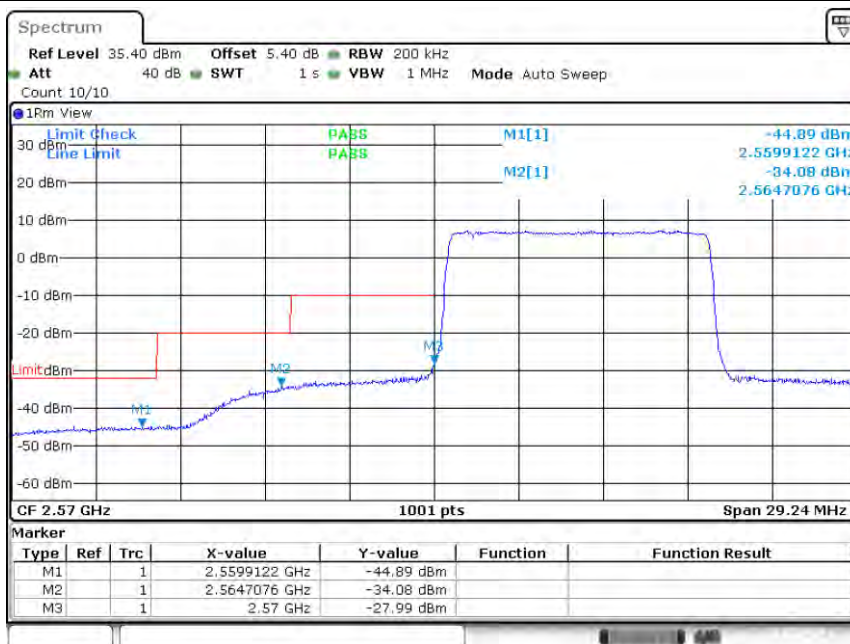


Date: 31 JUL 2020 12:16:24



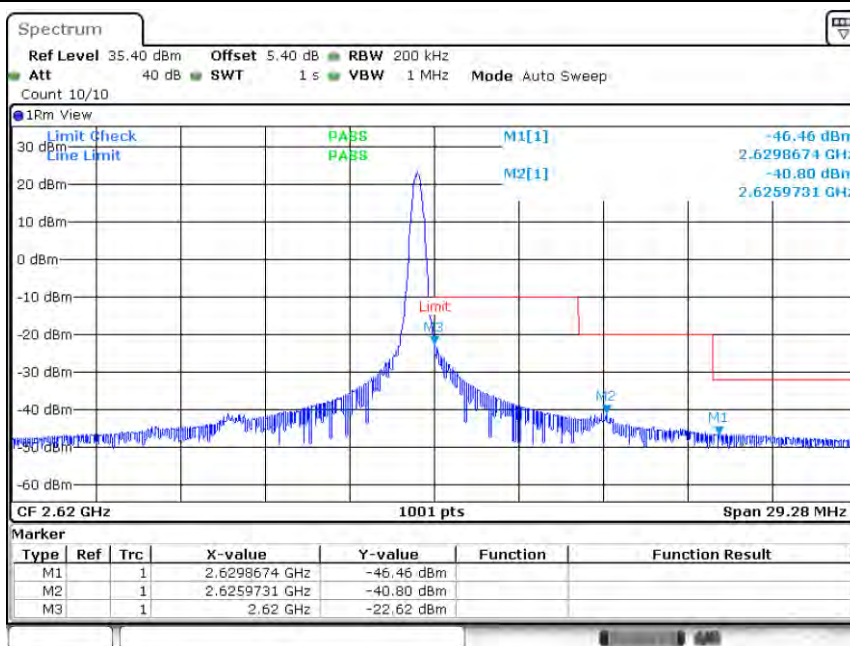


Band38-10MHz-16QAM-37800-50RB#0



Date: 31 JUL 2020 12:17:59

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



Date: 31 JUL 2020 12:17:11



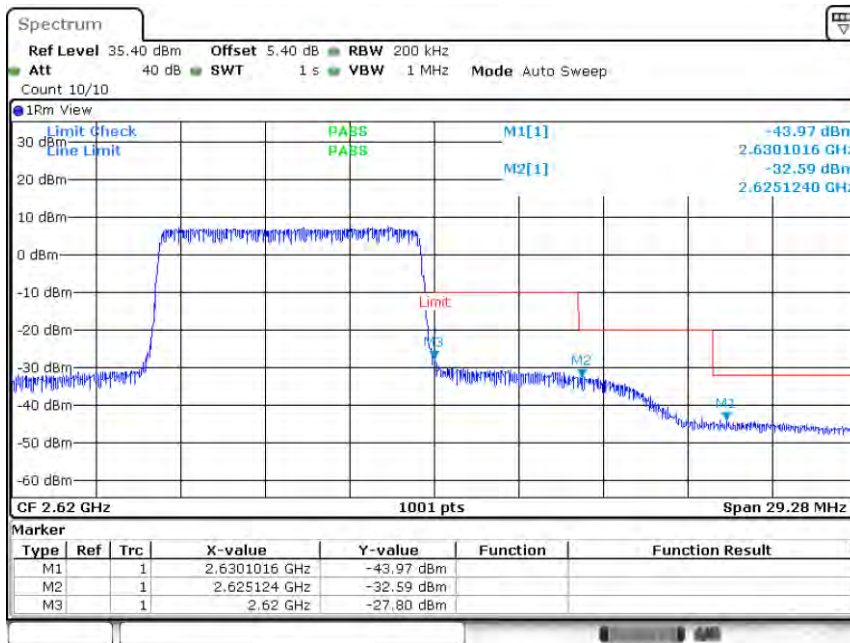
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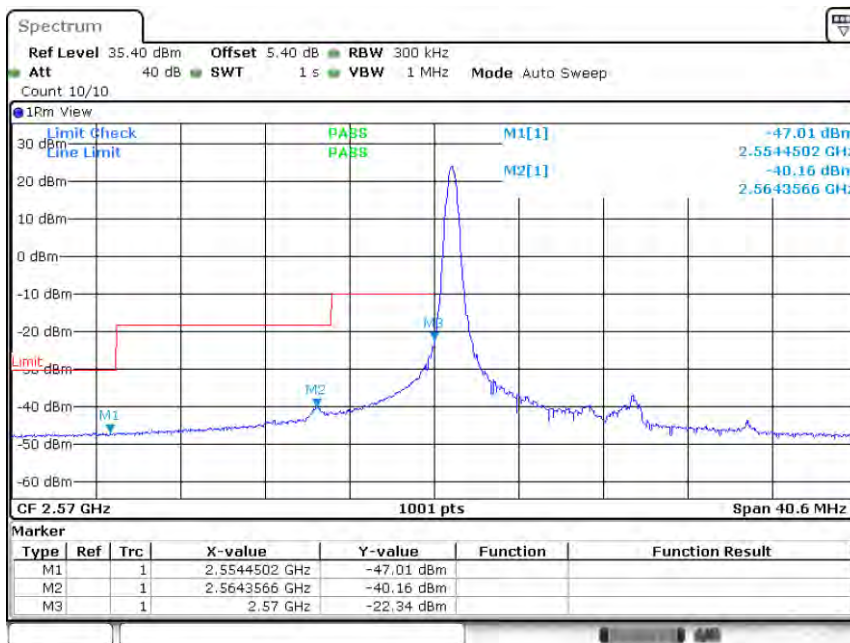


Band38-10MHz-16QAM-38200-50RB#0



Date: 31 JUL 2020 12:18:42

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



Date: 31 JUL 2020 12:19:09

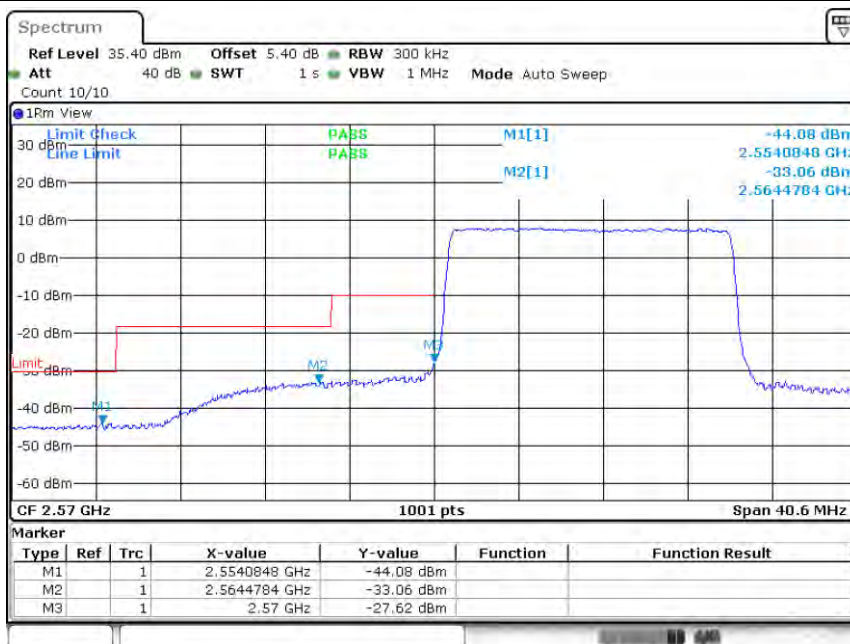


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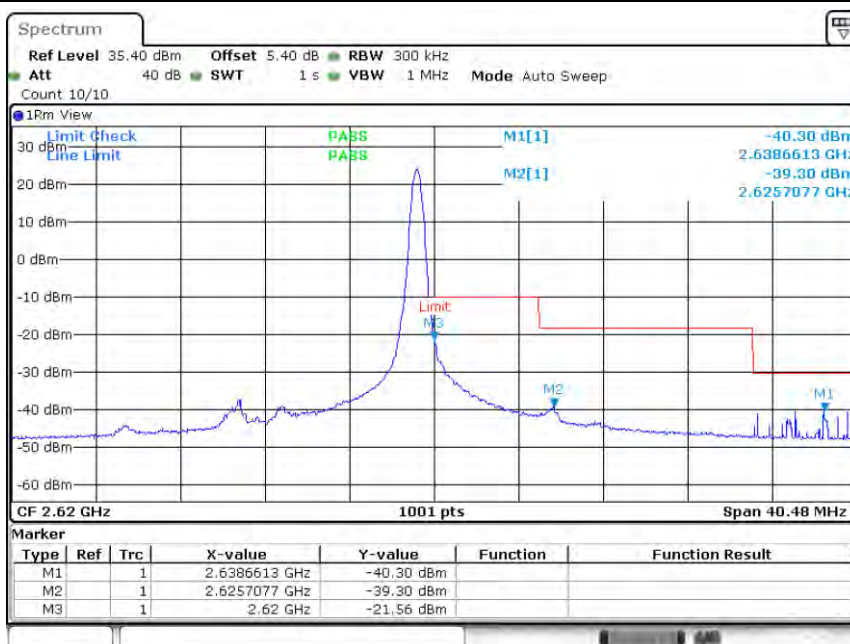
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Band38-15MHz-QPSK-37825-75RB#0



Date: 31 JUL 2020 12:20:44

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



Date: 31 JUL 2020 12:19:56



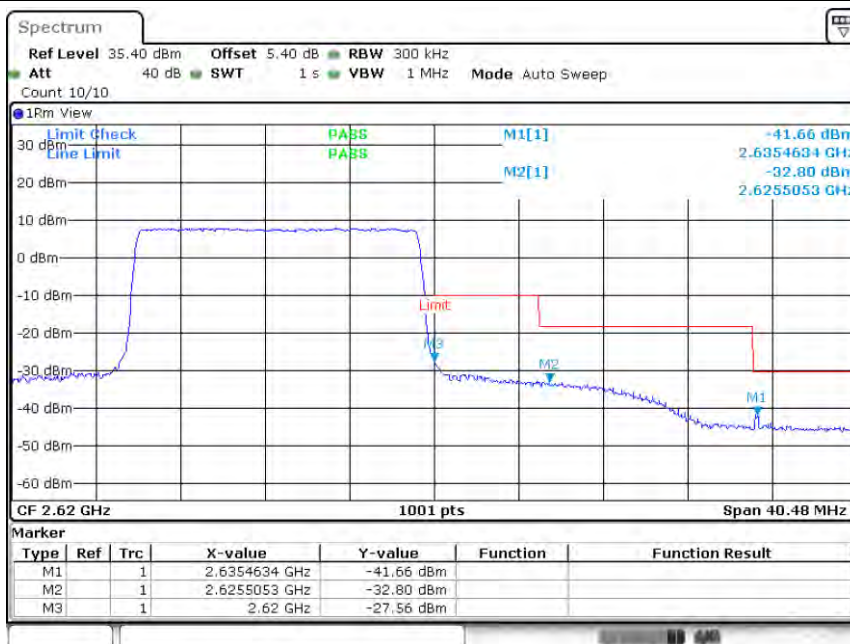
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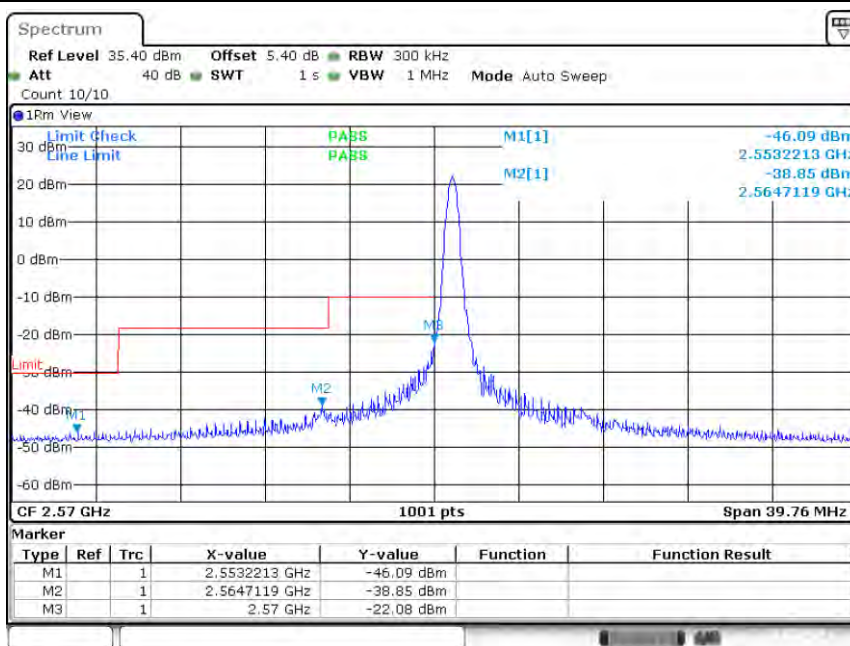


Band38-15MHz-QPSK-38175-75RB#0



Date: 31 JUL 2020 12:21:27

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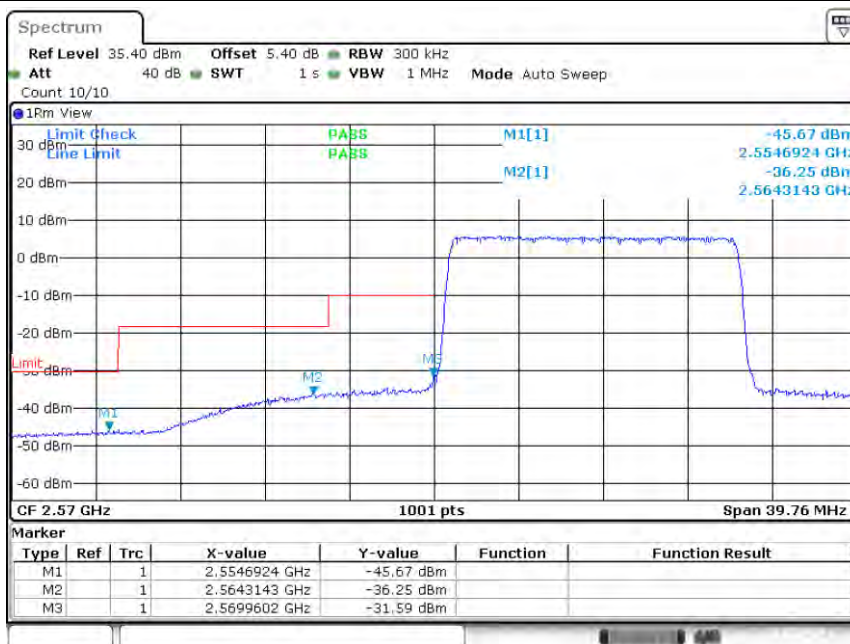


Date: 31 JUL 2020 15:02:52



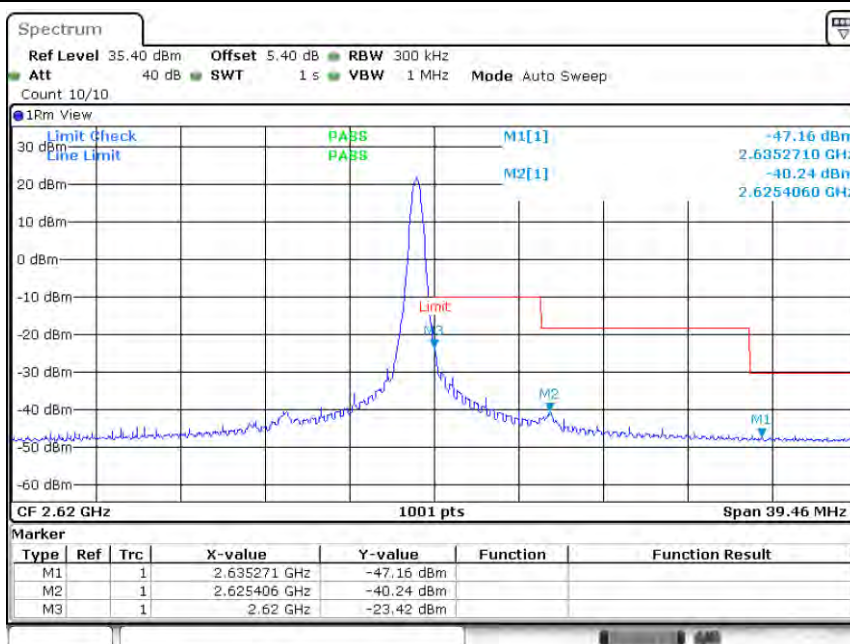


Band38-15MHz-64QAM-37825-75RB#0



Date: 31 JUL 2020 15:05:48

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



Date: 31 JUL 2020 15:03:19

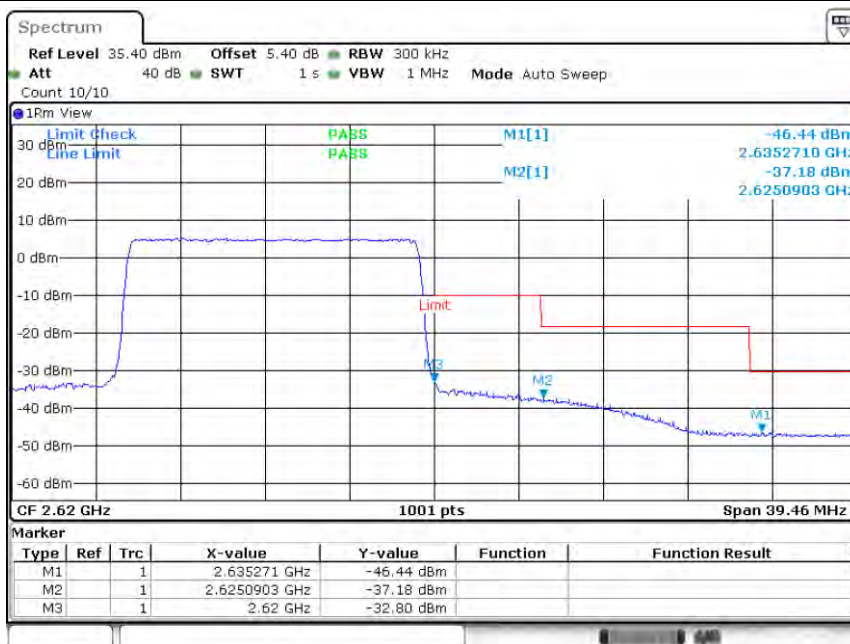


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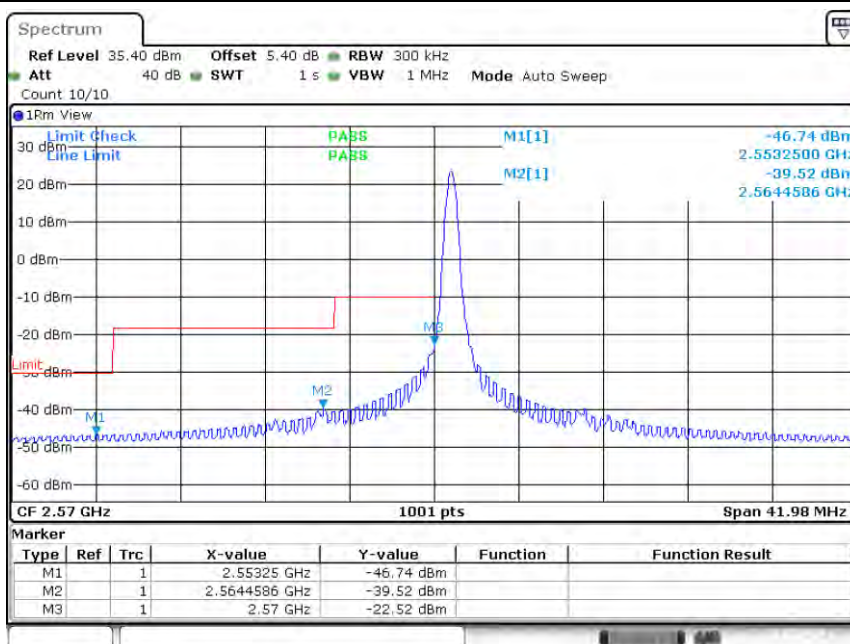
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Band38-15MHz-64QAM-38175-75RB#0



Date: 31 JUL 2020 15:06:10

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



Date: 31 JUL 2020 12:19:30

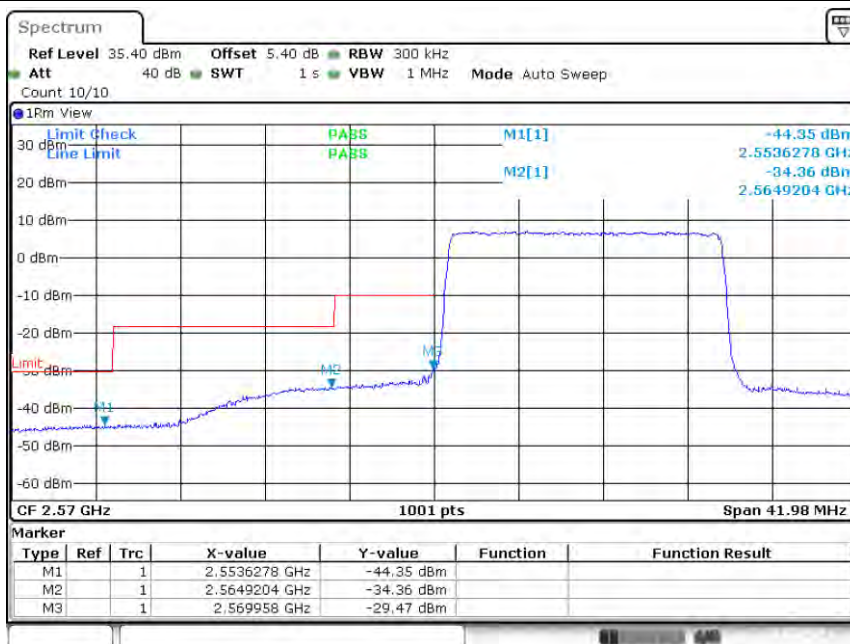


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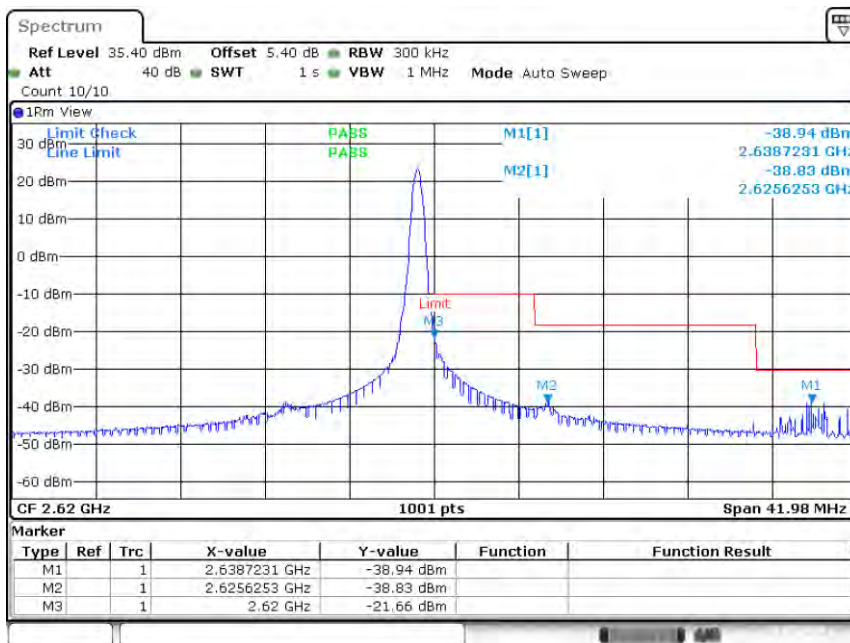


Band38-15MHz-16QAM-37825-75RB#0



Date: 31 JUL 2020 12:21:05

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



Date: 31 JUL 2020 12:20:18

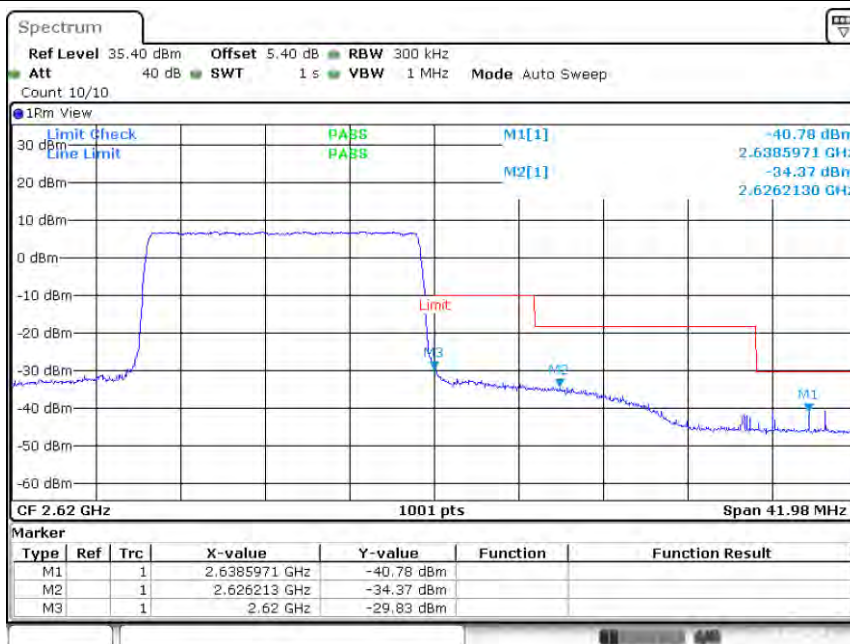


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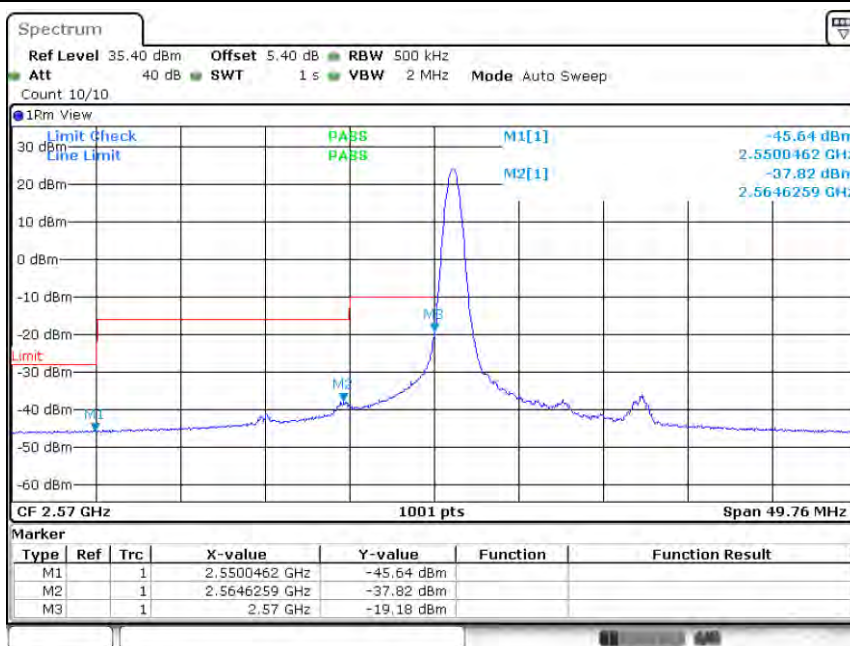


Band38-15MHz-16QAM-38175-75RB#0



Date: 31 JUL 2020 12:21:48

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

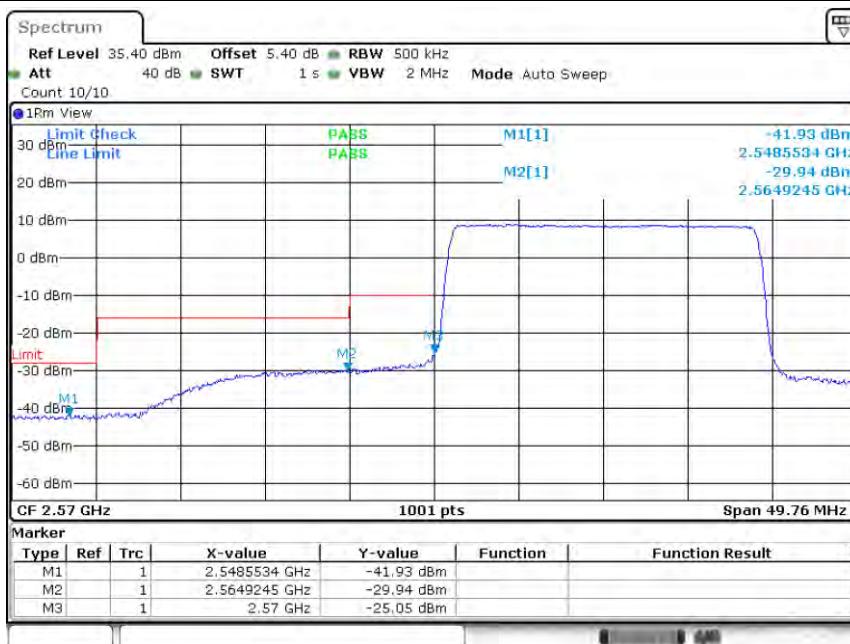


Date: 31 JUL 2020 12:22:15



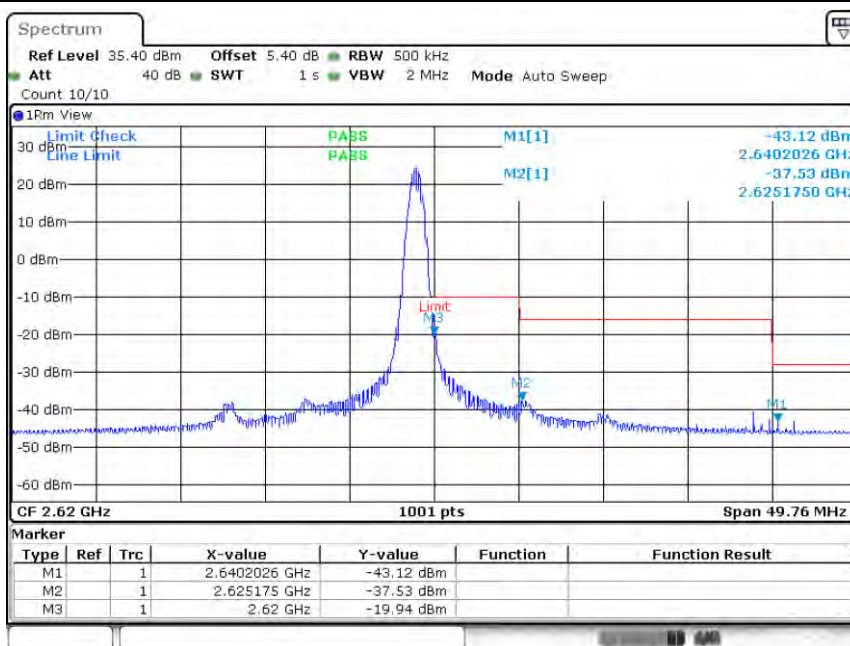


Band38-20MHz-QPSK-37850-100RB#0



Date: 31 JUL 2020 12:23:50

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

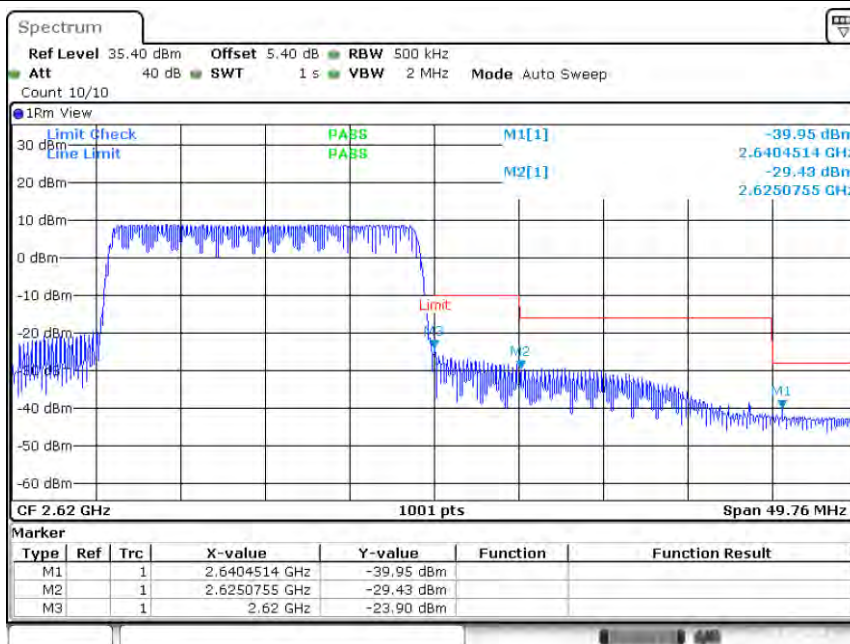


Date: 31 JUL 2020 12:23:02



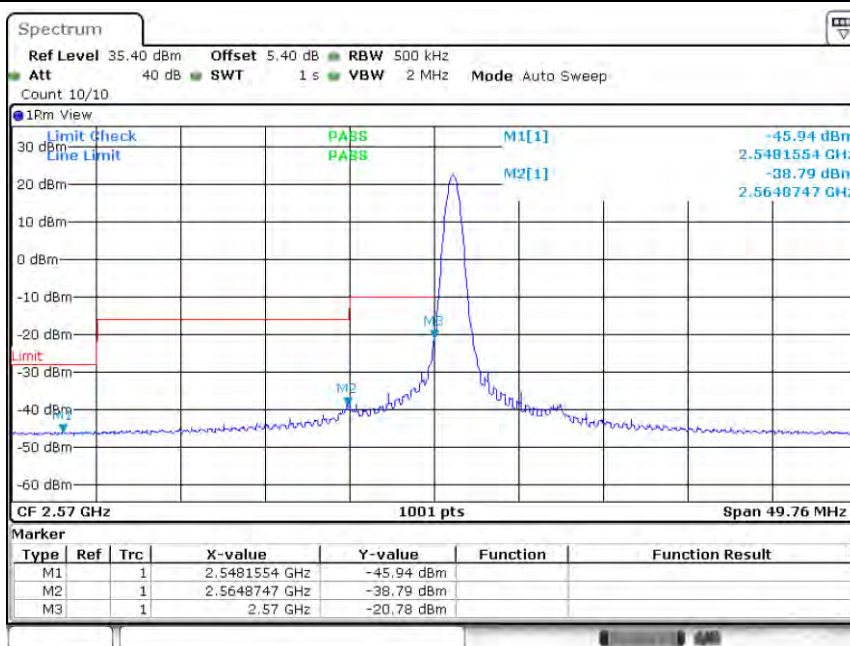


Band38-20MHz-QPSK-38150-100RB#0



Date: 31 JUL 2020 12:24:33

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

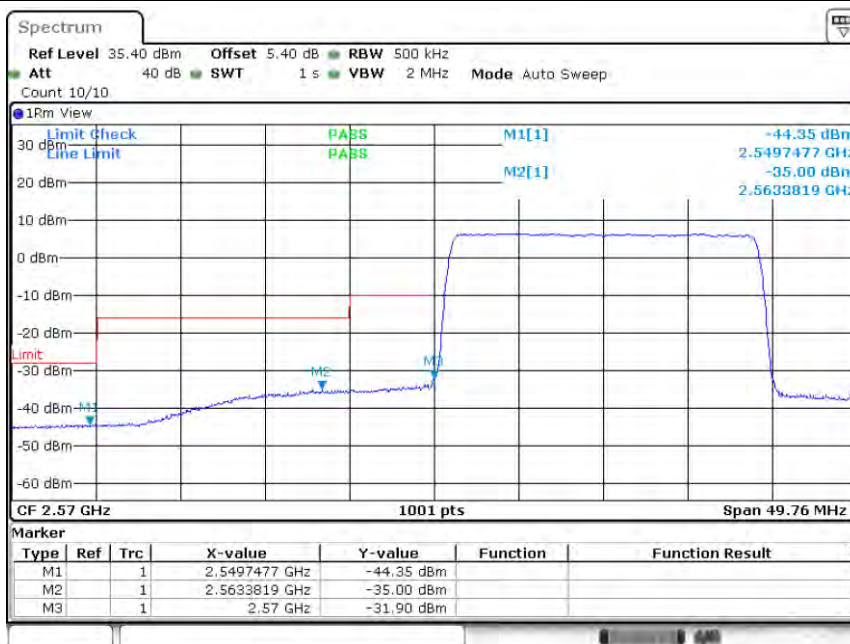


Date: 31 JUL 2020 15:06:37



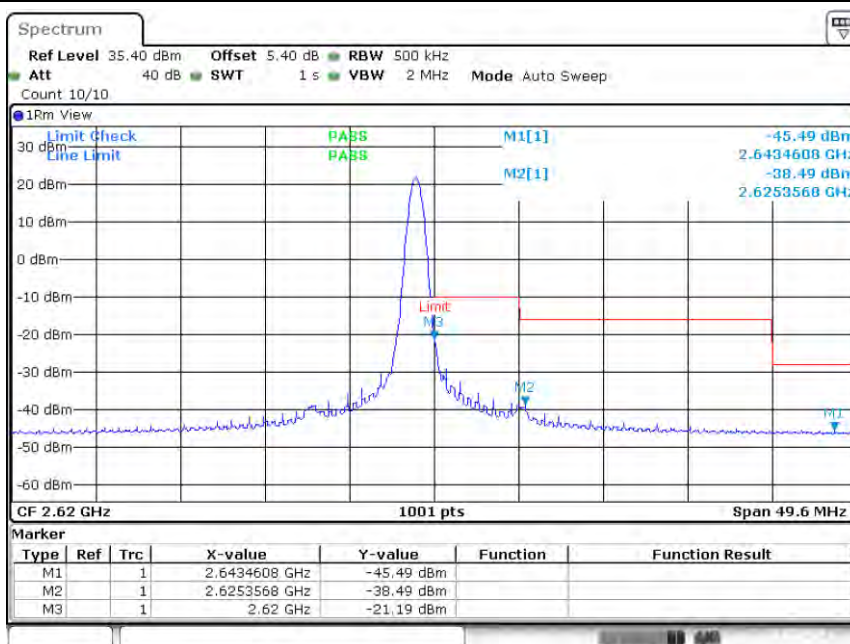


Band38-20MHz-64QAM-37850-100RB#0



Date: 31 JUL 2020 15:07:40

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



Date: 31 JUL 2020 15:07:13



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Shenzhen Branch

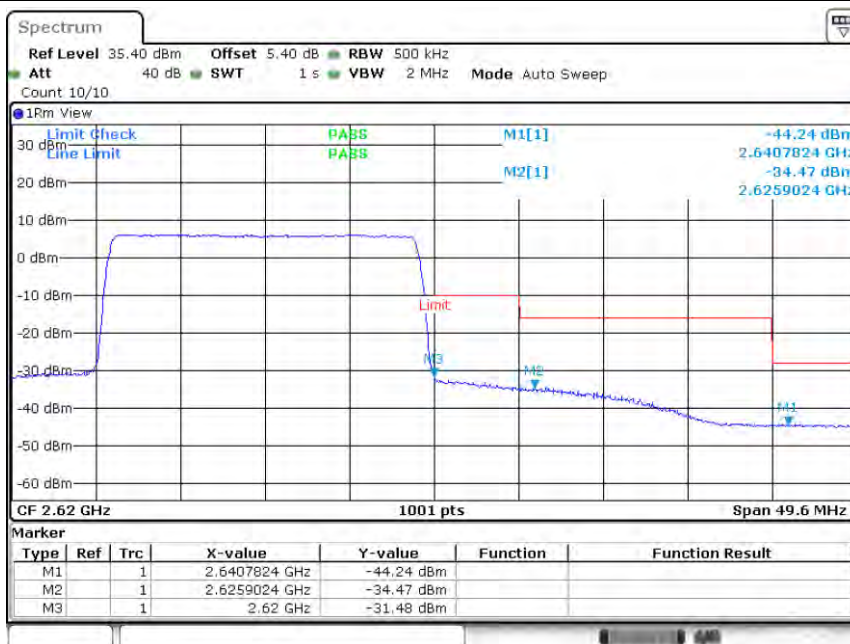
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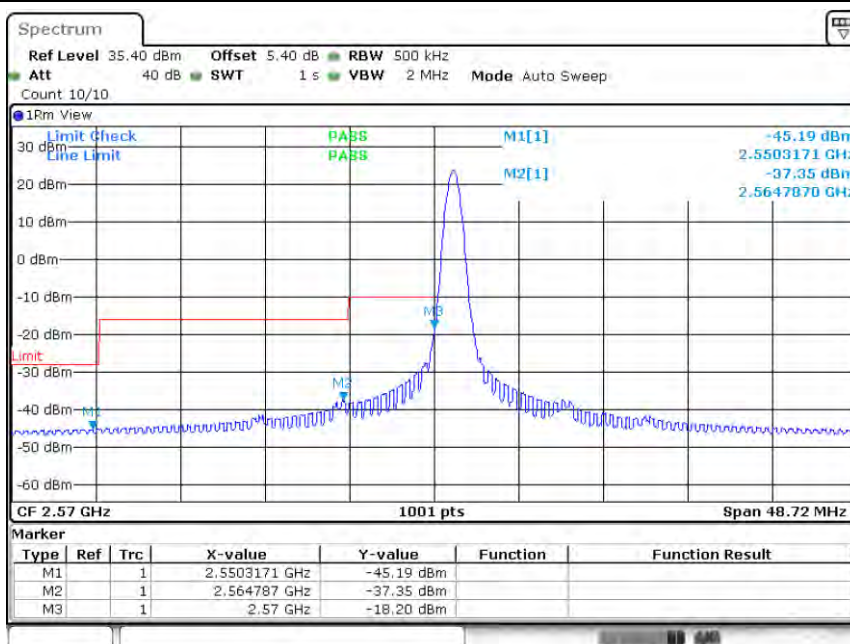


Band38-20MHz-64QAM-38150-100RB#0



Date: 31 JUL 2020 15:08:10

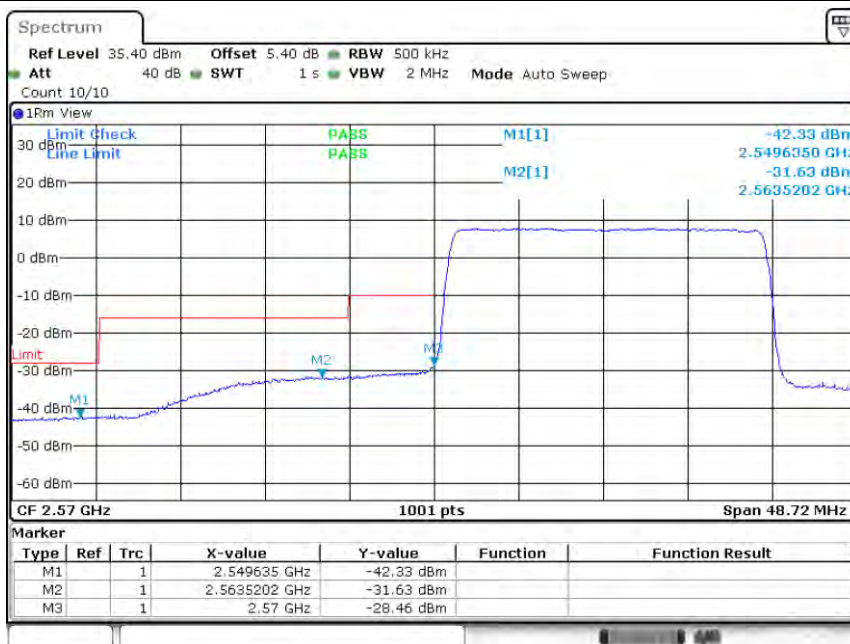
Band38-20MHz-16QAM-37850-1RB#0



Date: 31 JUL 2020 12:22:36

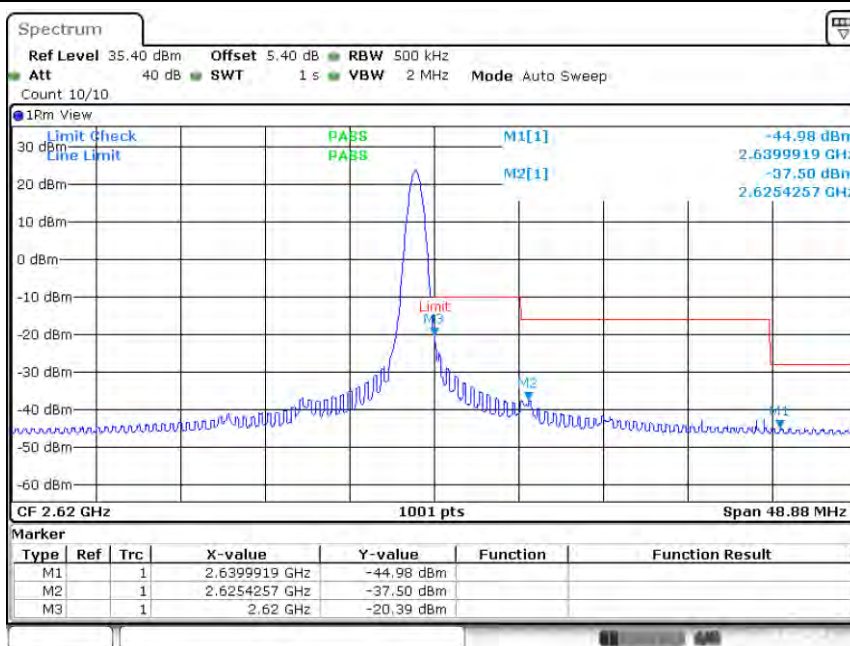


Band38-20MHz-16QAM-37850-100RB#0



Date: 31.JUL.2020 12:24:11

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



Date: 31.JUL.2020 12:23:24

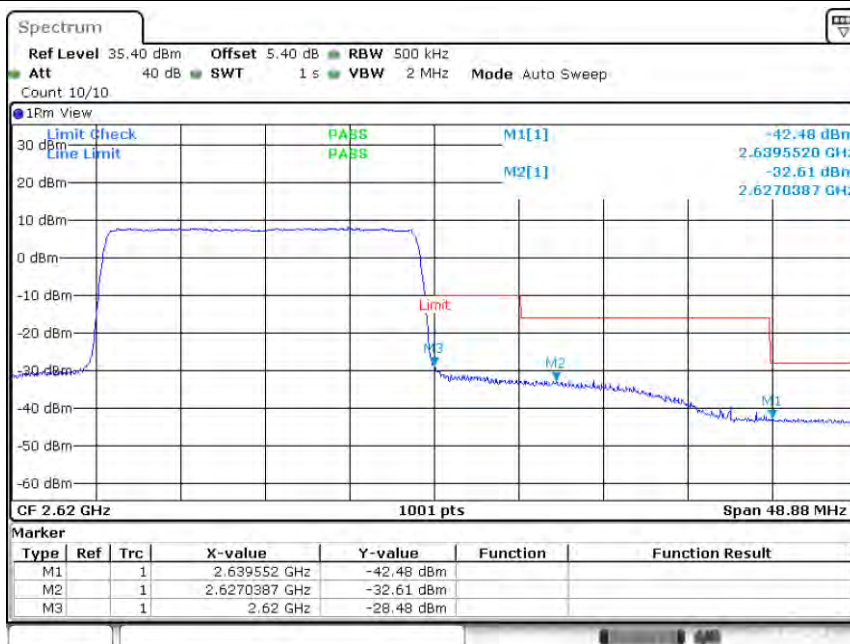


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Band38-20MHz-16QAM-38150-100RB#0



Date: 31 JUL 2020 12:24:54



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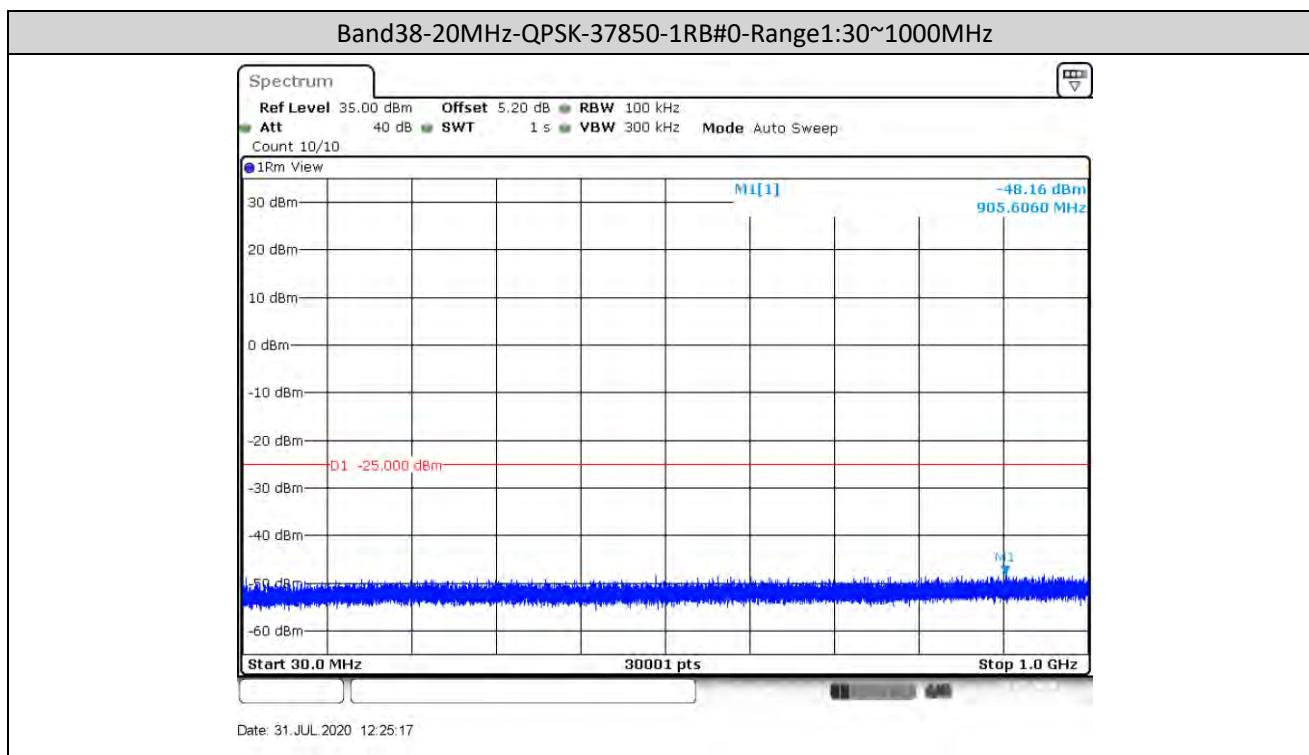


6. Spurious Emission at Antenna Terminal

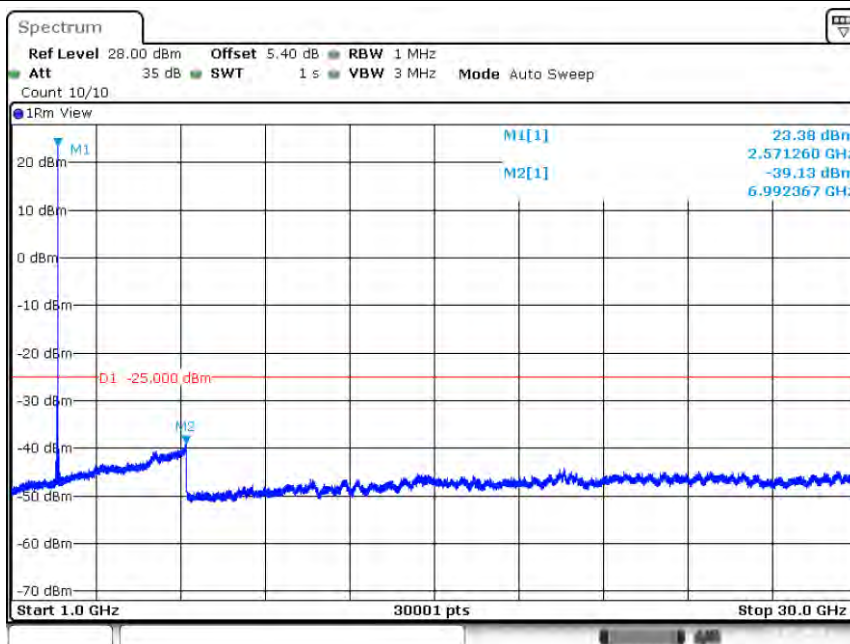
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / RBW)$ " 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 Plots

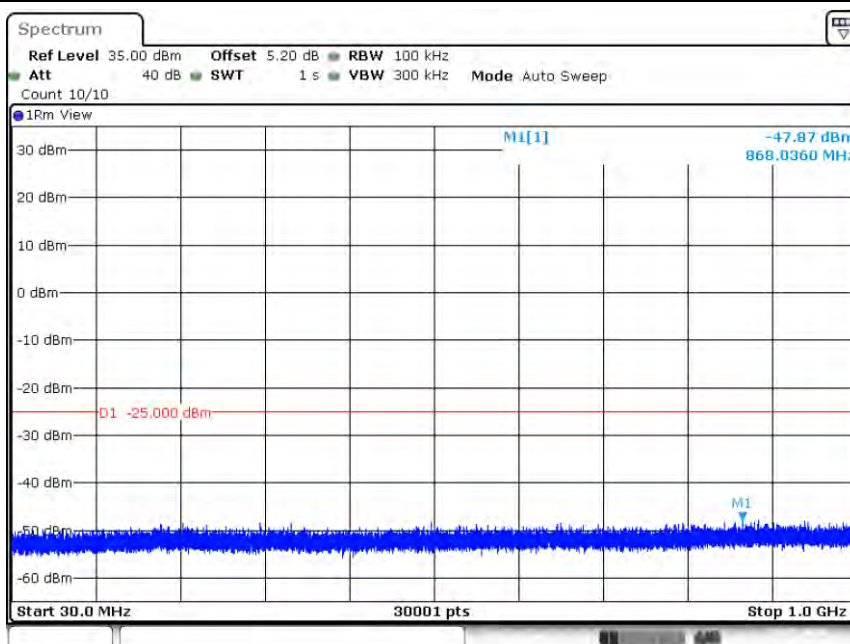


Band38-20MHz-QPSK-37850-1RB#0-Range2:1000~30000MHz



Date: 31.JUL.2020 12:25:34

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



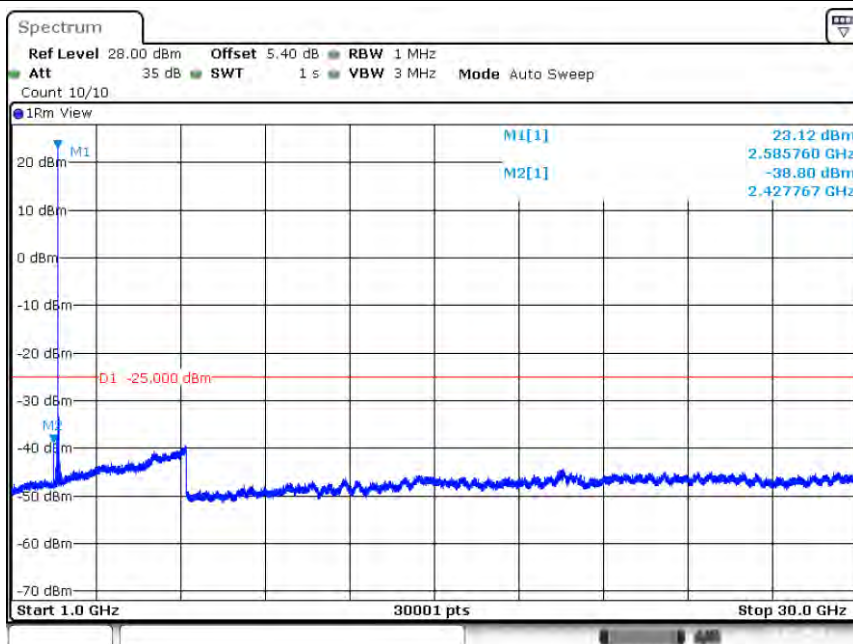
Date: 31.JUL.2020 12:26:27



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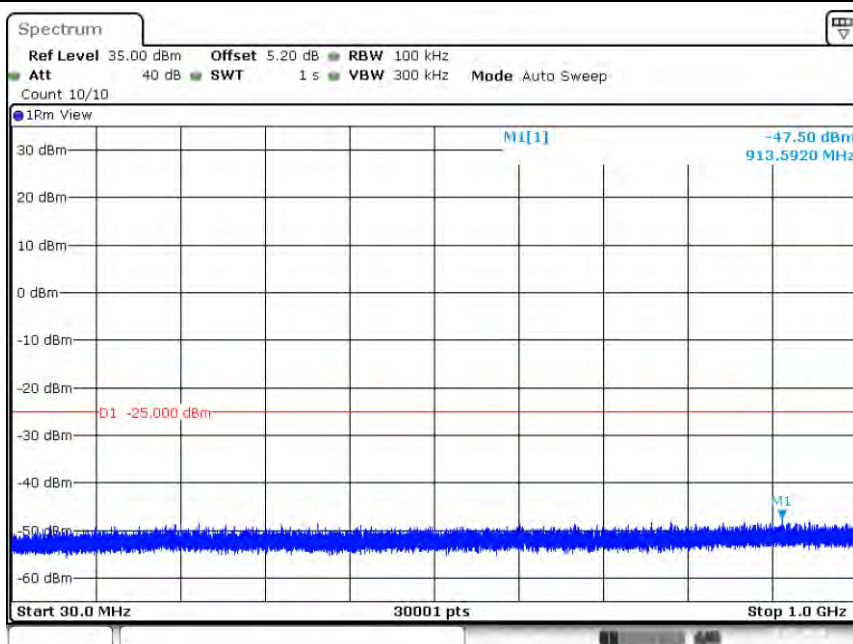
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Band38-20MHz-QPSK-38000-1RB#0-Range2:1000~30000MHz



Date: 31 JUL 2020 12:26:43

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



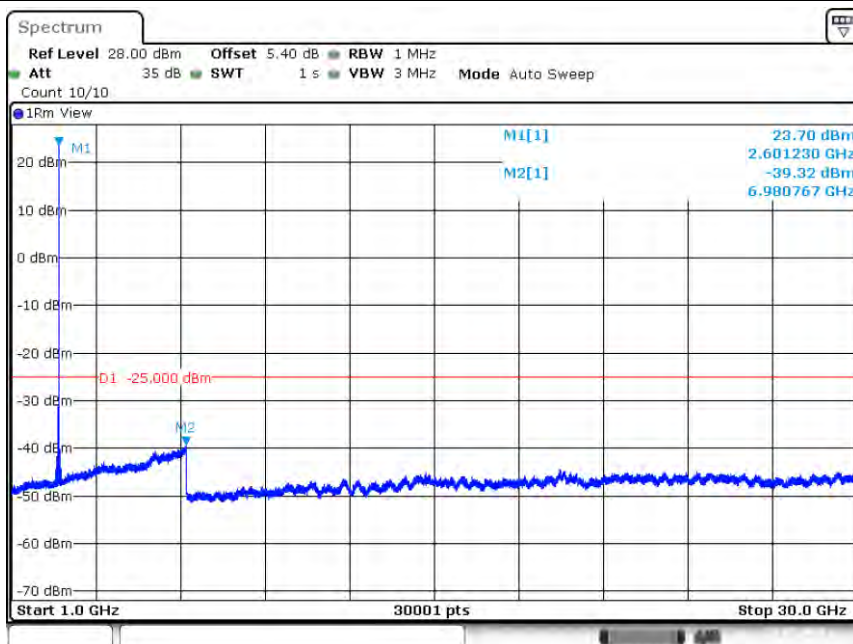
Date: 31 JUL 2020 12:27:37



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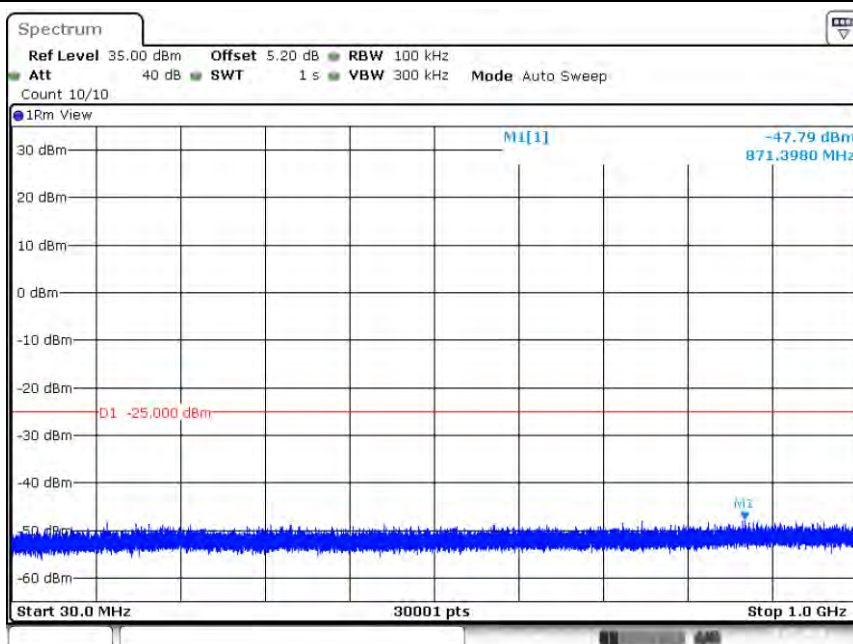
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Band38-20MHz-QPSK-38150-1RB#0-Range2:1000~30000MHz



Date: 31 JUL 2020 12:27:53

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



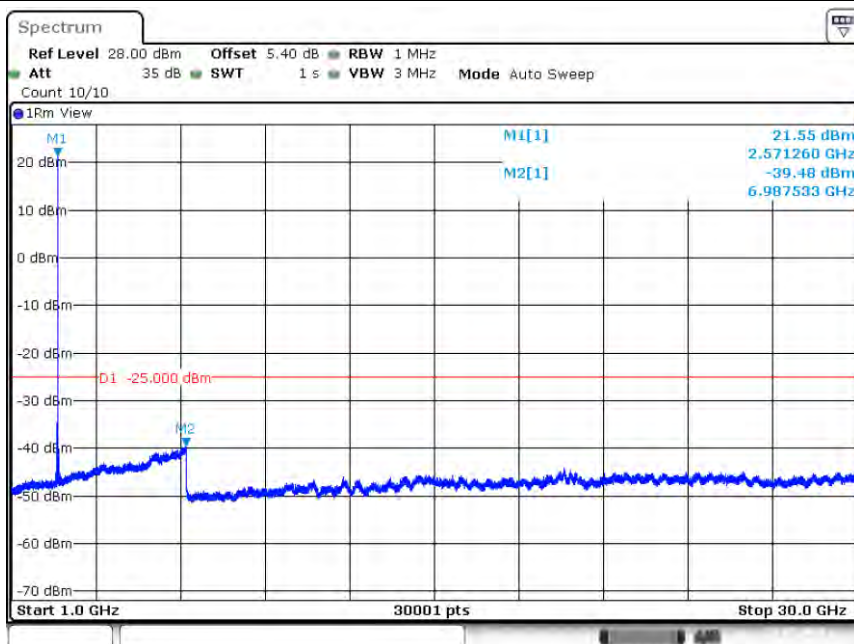
Date: 31 JUL 2020 15:08:33



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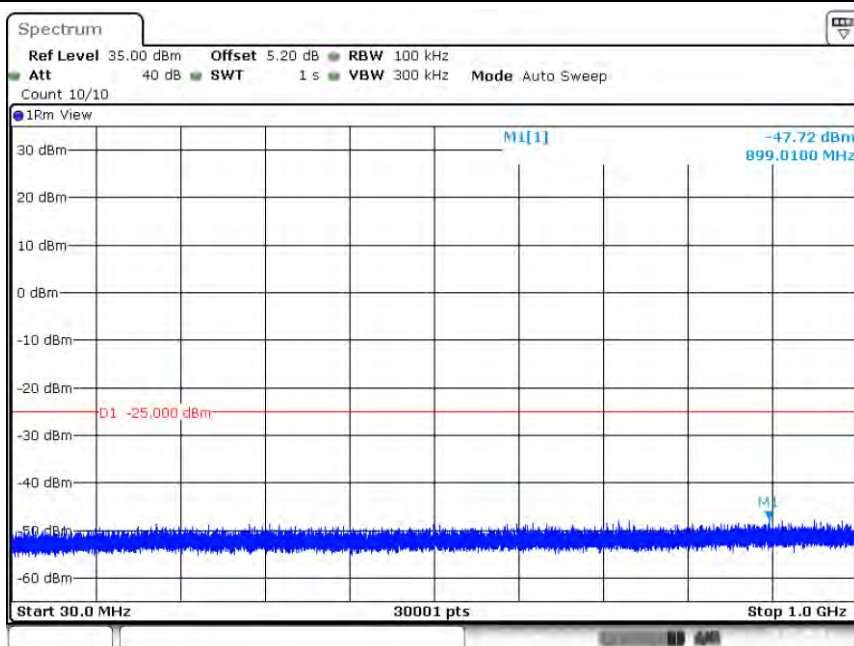
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Band38-20MHz-64QAM-37850-1RB#0-Range2:1000~30000MHz



Date: 31 JUL 2020 15:08:49

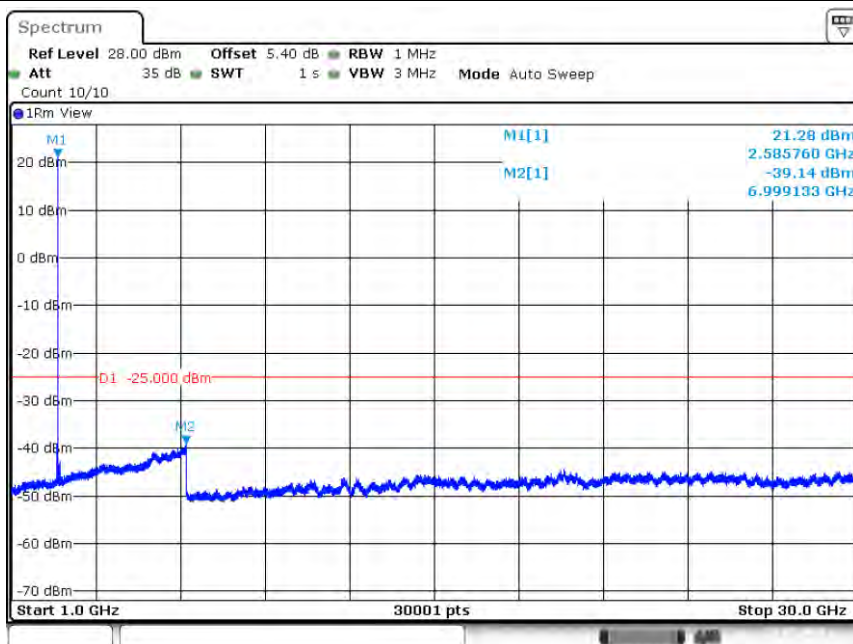
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Date: 31 JUL 2020 15:09:08

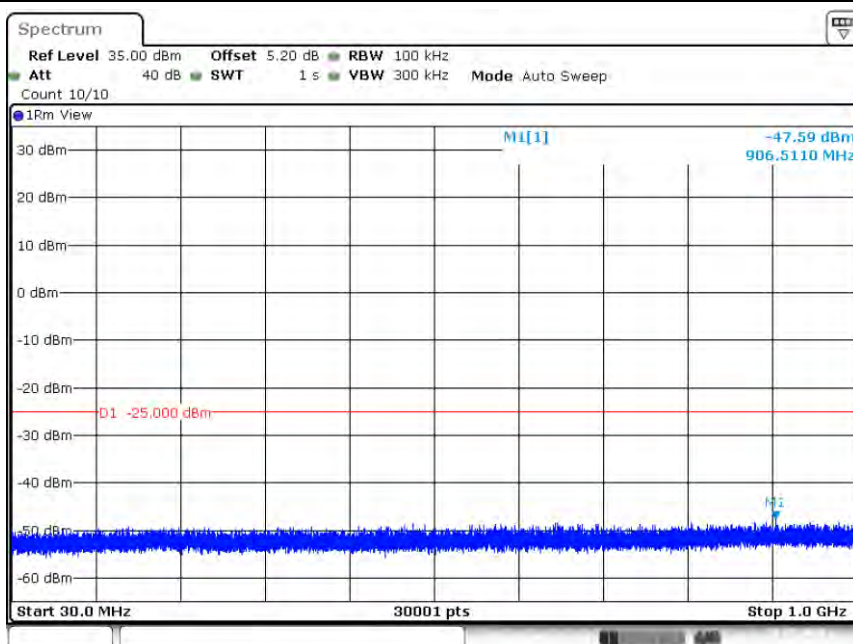


Band38-20MHz-64QAM-38000-1RB#0-Range2:1000~30000MHz



Date: 31 JUL 2020 15:09:25

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



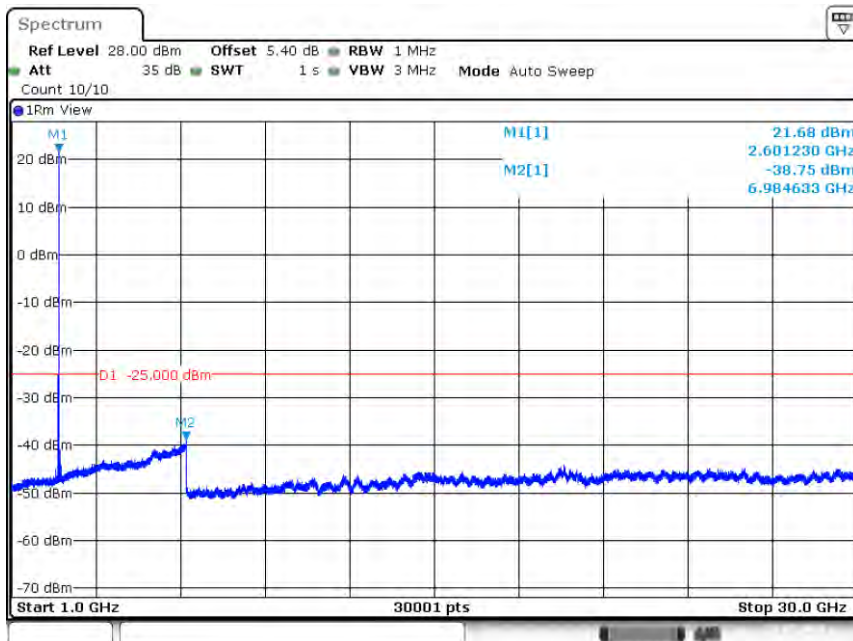
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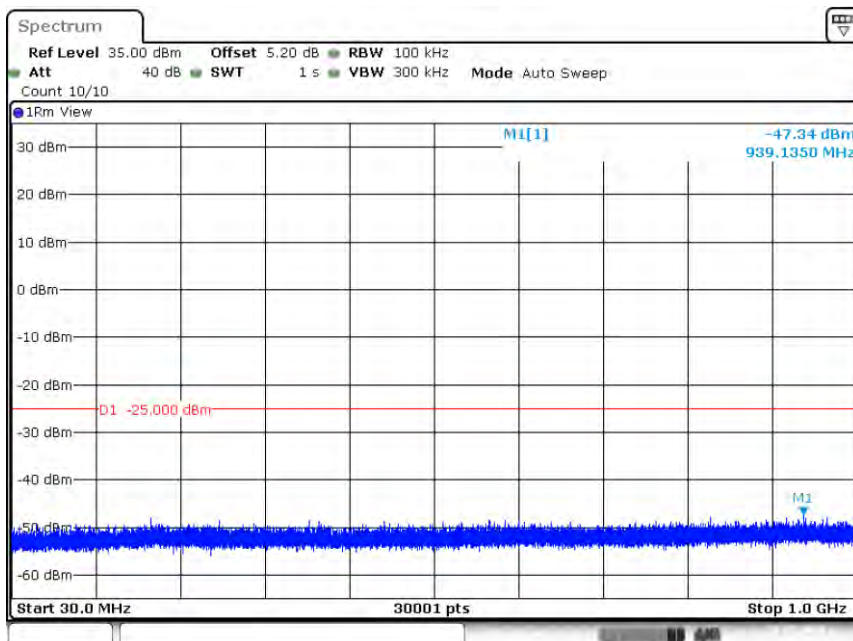
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Band38-20MHz-64QAM-38150-1RB#0-Range2:1000~30000MHz



Date: 31 JUL 2020 15:10:00

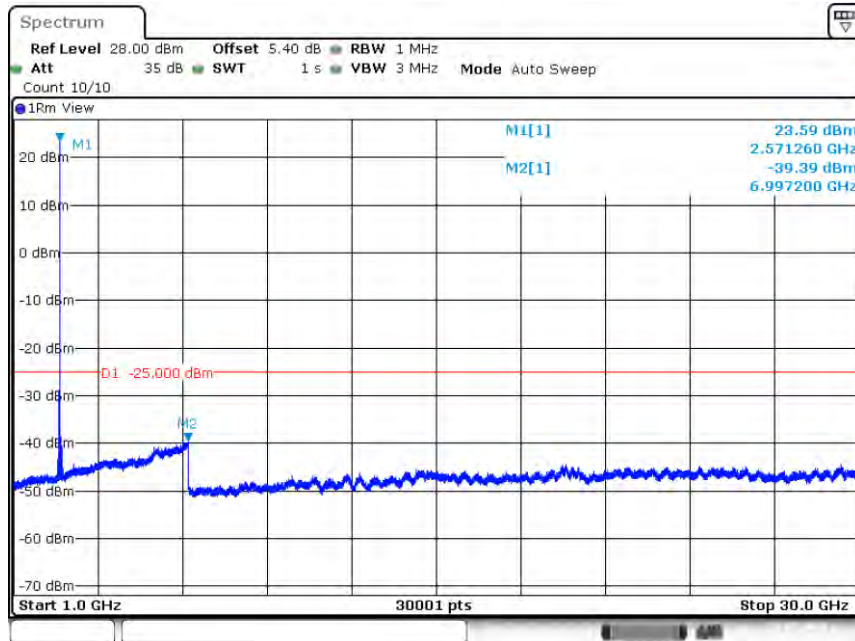
Band38-20MHz-16QAM-37850-1RB#0-Range1:30~1000MHz



Date: 31 JUL 2020 12:25:52

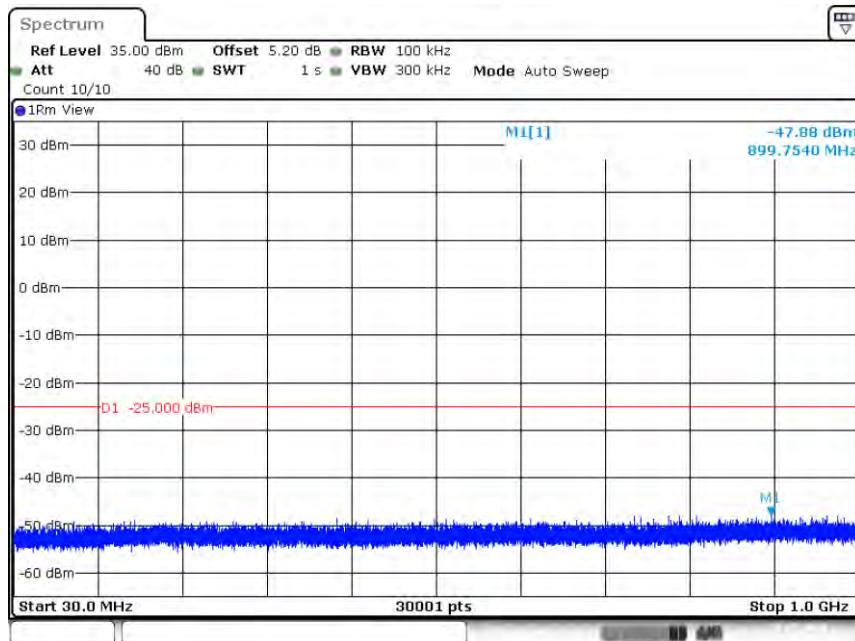


Band38-20MHz-16QAM-37850-1RB#0-Range2:1000~30000MHz



Date: 31 JUL 2020 12:26:08

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



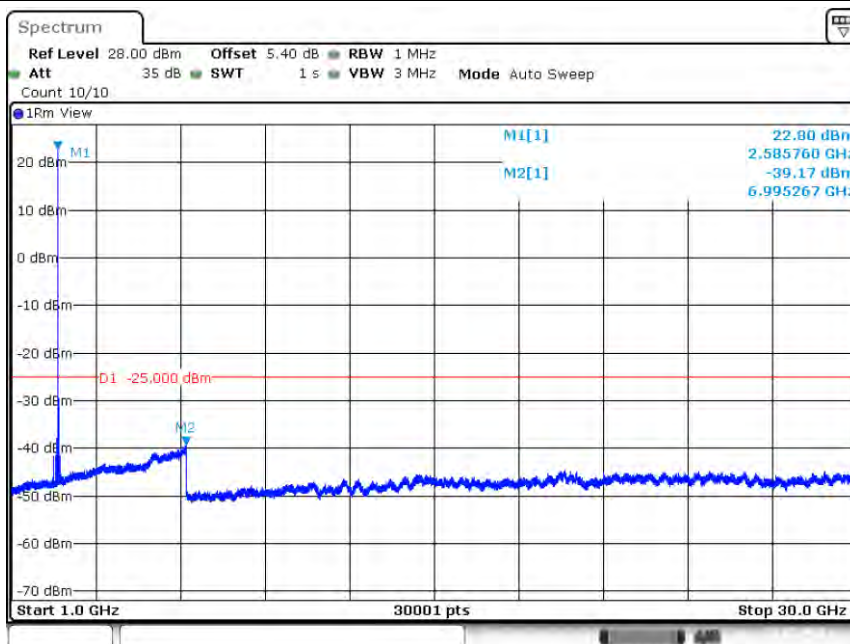
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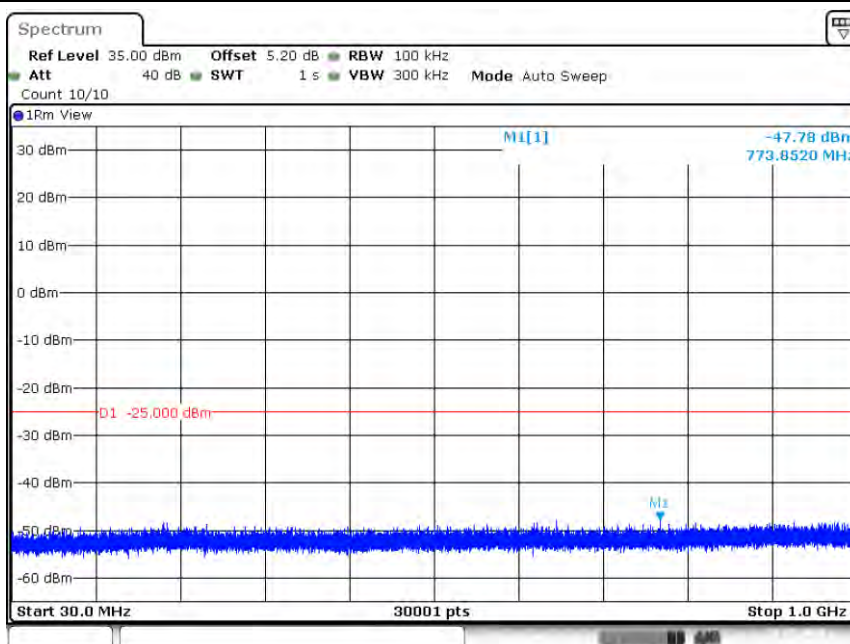
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Date: 31.JUL.2020 12:27:18

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

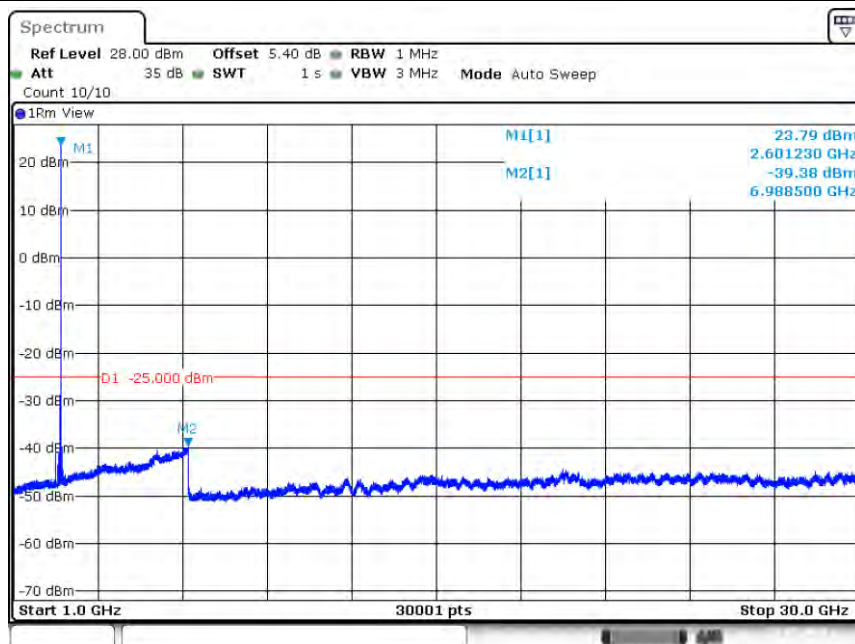


Date: 31.JUL.2020 12:28:11





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



Date: 31 JUL 2020 12:28:28



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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz(Up Antenna)

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.4551	-71.48	-25.00	46.48	Vertical
113.8122	-64.94	-25.00	39.94	Vertical
372.6211	-67.79	-25.00	42.79	Vertical
5142.0714	-51.74	-25.00	26.74	Vertical
9911.2304	-52.06	-25.00	27.06	Vertical
17996.9999	-39.45	-25.00	14.45	Vertical
44.3567	-63.84	-25.00	38.84	Horizontal
101.5896	-74.82	-25.00	49.82	Horizontal
228.3749	-68.05	-25.00	43.05	Horizontal
5142.0714	-51.25	-25.00	26.25	Horizontal
10571.7524	-52.31	-25.00	27.31	Horizontal
16398.9466	-43.38	-25.00	18.38	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.1156	-71.83	-25.00	46.83	Vertical
110.4170	-65.05	-25.00	40.05	Vertical
350.7465	-68.44	-25.00	43.44	Vertical
5172.0724	-54.90	-25.00	29.90	Vertical
10583.2528	-51.21	-25.00	26.21	Vertical
17995.4999	-39.57	-25.00	14.57	Vertical
43.8232	-63.19	-25.00	38.19	Horizontal
85.2928	-75.38	-25.00	50.38	Horizontal
238.7544	-68.41	-25.00	43.41	Horizontal
5172.0724	-51.21	-25.00	26.21	Horizontal
9312.7104	-52.28	-25.00	27.28	Horizontal
16379.9460	-43.54	-25.00	18.54	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.1641	-71.63	-25.00	46.63	Vertical
107.6524	-64.62	-25.00	39.62	Vertical
434.8497	-66.92	-25.00	41.92	Vertical
5202.0734	-53.35	-25.00	28.35	Vertical
10671.2557	-51.45	-25.00	26.45	Vertical
17999.5000	-39.91	-25.00	14.91	Vertical
42.8046	-64.14	-25.00	39.14	Horizontal
107.6039	-75.16	-25.00	50.16	Horizontal
246.4663	-68.04	-25.00	43.04	Horizontal
5202.5734	-53.38	-25.00	28.38	Horizontal
10603.2534	-51.82	-25.00	26.82	Horizontal
16391.4464	-43.55	-25.00	18.55	Horizontal



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7.2. Test Mode =LTE/TM1 20MHz(Down Antenna)

7.2.1.Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.8730	-71.34	-25.00	46.34	Vertical
109.6895	-64.92	-25.00	39.92	Vertical
390.6640	-67.87	-25.00	42.87	Vertical
5142.0714	-52.20	-25.00	27.20	Vertical
10690.7564	-51.10	-25.00	26.10	Vertical
17997.4999	-39.65	-25.00	14.65	Vertical
39.9915	-64.43	-25.00	39.43	Horizontal
234.9227	-67.45	-25.00	42.45	Horizontal
650.3460	-62.70	-25.00	37.70	Horizontal
5142.0714	-53.76	-25.00	28.76	Horizontal
9994.7332	-52.29	-25.00	27.29	Horizontal
17997.9999	-43.75	-25.00	18.75	Horizontal

7.2.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.9700	-72.10	-25.00	47.10	Vertical
112.7936	-64.88	-25.00	39.88	Vertical
347.6909	-68.47	-25.00	43.47	Vertical
5172.0724	-54.86	-25.00	29.86	Vertical
9858.2286	-51.88	-25.00	26.88	Vertical
17987.4996	-40.05	-25.00	15.05	Vertical
38.7304	-64.06	-25.00	39.06	Horizontal
101.0561	-76.01	-25.00	51.01	Horizontal
230.1695	-68.33	-25.00	43.33	Horizontal
5172.0724	-52.04	-25.00	27.04	Horizontal
9560.7187	-52.64	-25.00	27.64	Horizontal
16394.9465	-43.11	-25.00	18.11	Horizontal



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7.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.8245	-72.12	-25.00	47.12	Vertical
108.1374	-64.60	-25.00	39.60	Vertical
472.8271	-66.35	-25.00	41.35	Vertical
5202.0734	-54.94	-25.00	29.94	Vertical
10588.7530	-51.32	-25.00	26.32	Vertical
17999.0000	-39.87	-25.00	14.87	Vertical
44.4537	-64.03	-25.00	39.03	Horizontal
111.6781	-75.93	-25.00	50.93	Horizontal
231.8186	-67.44	-25.00	42.44	Horizontal
5202.0734	-53.53	-25.00	28.53	Horizontal
10614.7538	-51.89	-25.00	26.89	Horizontal
16393.9465	-43.78	-25.00	18.78	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	-0.40	-0.000155	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VN	NT	-1.40	-0.000543	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VH	NT	1.90	0.000736	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-1.40	-0.000539	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-0.20	-0.000077	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	2.80	0.001079	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VL	NT	2.10	0.000805	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VN	NT	-0.30	-0.000115	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VH	NT	2.20	0.000843	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VL	NT	-0.60	-0.000233	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VN	NT	-1.50	-0.000581	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VH	NT	-1.80	-0.000698	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VL	NT	0.60	0.000231	±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	-1.70	-0.000655	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VL	NT	4.80	0.001839	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VN	NT	2.10	0.000805	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VH	NT	3.00	0.001149	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VL	NT	0.30	0.000116	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VN	NT	1.40	0.000543	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VH	NT	-2.30	-0.000891	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VL	NT	1.90	0.000732	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VN	NT	-1.60	-0.000617	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VH	NT	-2.40	-0.000925	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VL	NT	-1.30	-0.000498	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VN	NT	1.80	0.000690	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VH	NT	0.30	0.000115	±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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Band38	20MHz	QPSK	37850	100RB#0	NV	-30	0.30	0.000116	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-20	1.30	0.000504	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	0	-0.60	-0.000233	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	10	2.20	0.000853	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	20	-0.70	-0.000271	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	30	-0.30	-0.000116	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	40	0.20	0.000078	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	50	1.50	0.000581	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	1.70	0.000655	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	0.80	0.000308	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	-0.60	-0.000231	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-1.00	-0.000385	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	0.30	0.000116	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	0.30	0.000116	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-2.50	-0.000963	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	-0.40	-0.000154	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-30	1.70	0.000651	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-20	1.40	0.000536	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	0	-1.00	-0.000383	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	10	1.60	0.000613	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	20	0.00	0.000000	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	30	2.80	0.001073	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	40	-1.20	-0.000460	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	50	-0.10	-0.000038	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-30	0.90	0.000349	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-20	-1.20	-0.000465	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	0	1.30	0.000504	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	10	0.30	0.000116	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	20	3.40	0.001318	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	30	-0.80	-0.000310	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	40	0.30	0.000116	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	50	-0.80	-0.000310	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-30	1.70	0.000655	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-20	-0.10	-0.000039	±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	0.50	0.000193	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	20	-1.70	-0.000655	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	30	1.90	0.000732	±2.5	PASS



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Band38	20MHz	64QAM	38000	100RB#0	NV	40	-1.00	-0.000385	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	50	-1.10	-0.000424	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-20	-3.30	-0.001264	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	0	-1.20	-0.000460	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	10	-4.40	-0.001686	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	20	7.70	0.002950	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	30	3.00	0.001149	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	40	0.90	0.000345	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	50	2.30	0.000881	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-30	-1.60	-0.000620	±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	0	-0.40	-0.000155	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	10	0.80	0.000310	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	20	2.10	0.000814	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	30	0.30	0.000116	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	40	-0.10	-0.000039	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	50	-0.10	-0.000039	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-30	0.90	0.000347	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-20	-2.40	-0.000925	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	0	0.70	0.000270	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	10	-2.00	-0.000771	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	20	-1.90	-0.000732	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	30	-2.00	-0.000771	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	40	1.20	0.000462	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	50	2.40	0.000925	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-20	-0.30	-0.000115	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	0	-1.90	-0.000728	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	10	-0.20	-0.000077	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	20	-4.90	-0.001877	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	30	-2.70	-0.001034	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	40	-0.70	-0.000268	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	50	-0.90	-0.000345	±2.5	PASS



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