



Appendix B

E-UTRA Band 38



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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#0	22.09	22.13	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	22.17	22.21	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.03	22.07	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	21.20	21.24	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	21.14	21.18	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	21.15	21.19	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	21.14	21.18	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	21.94	21.98	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.00	22.04	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	22.07	22.11	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.10	21.14	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	21.12	21.16	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.02	21.06	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	21.06	21.10	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	21.91	21.95	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	21.80	21.84	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	21.76	21.80	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	20.89	20.93	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	20.96	21.00	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	20.87	20.91	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	20.90	20.94	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	20.12	20.16	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	20.05	20.09	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	20.16	20.20	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#0	18.99	19.03	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#6	19.10	19.14	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#13	19.03	19.07	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	19.09	19.13	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	20.24	20.28	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	20.34	20.38	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	20.20	20.24	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#13	19.08	19.12	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#6	19.20	19.24	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#0	19.07	19.11	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	19.08	19.12	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	20.28	20.32	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	20.39	20.43	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	20.24	20.28	33.00	PASS



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Band38	5MHz	64QAM	38225	12RB#0	19.14	19.18	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#6	19.22	19.26	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#13	19.19	19.23	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	19.24	19.28	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.37	21.41	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.34	21.38	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.48	21.52	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.18	20.22	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.24	20.28	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.19	20.23	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.14	20.18	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.25	21.29	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.35	21.39	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.20	21.24	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.08	20.12	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.10	20.14	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.07	20.11	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.05	20.09	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.08	21.12	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.05	21.09	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.19	21.23	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#0	19.92	19.96	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.00	20.04	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	19.94	19.98	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	19.87	19.91	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.14	22.18	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.28	22.32	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.23	22.27	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.22	21.26	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.21	21.25	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#25	21.19	21.23	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	21.20	21.24	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.17	22.21	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.01	22.05	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.15	22.19	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.07	21.11	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#0	21.17	21.21	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.14	21.18	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.12	21.16	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	21.87	21.91	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	21.99	22.03	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	21.90	21.94	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	20.97	21.01	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.00	21.04	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	20.98	21.02	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.02	21.06	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	20.37	20.41	33.00	PASS



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Band38	10MHz	64QAM	37800	1RB#49	20.25	20.29	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	20.34	20.38	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#0	19.14	19.18	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#12	19.14	19.18	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#25	19.11	19.15	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	19.13	19.17	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	20.28	20.32	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	20.35	20.39	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	20.45	20.49	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#0	19.19	19.23	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#12	19.19	19.23	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#25	19.09	19.13	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	19.25	19.29	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	20.39	20.43	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	20.35	20.39	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	20.48	20.52	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#25	19.29	19.33	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#0	19.27	19.31	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#12	19.28	19.32	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	19.28	19.32	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	21.50	21.54	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	21.55	21.59	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	21.41	21.45	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.16	20.20	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.17	20.21	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.16	20.20	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.25	20.29	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.41	21.45	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.28	21.32	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.45	21.49	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.15	20.19	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.05	20.09	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.15	20.19	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.18	20.22	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.25	21.29	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.15	21.19	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.29	21.33	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	19.96	20.00	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	19.94	19.98	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	19.93	19.97	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.04	20.08	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.07	22.11	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.16	22.20	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.13	22.17	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#39	21.16	21.20	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#18	21.17	21.21	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#0	21.18	21.22	33.00	PASS



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Band38	15MHz	QPSK	37825	75RB#0	21.13	21.17	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.04	22.08	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.07	22.11	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	21.88	21.92	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#0	21.14	21.18	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#18	21.06	21.10	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#39	21.01	21.05	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.07	21.11	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	21.90	21.94	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	21.95	21.99	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	21.76	21.80	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#0	20.95	20.99	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#18	20.94	20.98	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#39	20.93	20.97	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	20.94	20.98	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	20.20	20.24	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	20.27	20.31	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	20.24	20.28	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#0	19.02	19.06	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#18	18.99	19.03	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#39	19.01	19.05	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	19.05	19.09	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	20.34	20.38	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	20.19	20.23	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	20.25	20.29	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#39	19.10	19.14	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#0	19.15	19.19	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#18	19.10	19.14	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	19.20	19.24	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	20.27	20.31	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	20.40	20.44	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	20.27	20.31	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#18	19.13	19.17	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#0	19.10	19.14	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#39	19.16	19.20	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	19.19	19.23	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	21.45	21.49	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	21.39	21.43	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.35	21.39	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#0	20.20	20.24	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#39	20.19	20.23	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#18	20.18	20.22	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.18	20.22	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.38	21.42	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.14	21.18	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.31	21.35	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#0	20.15	20.19	33.00	PASS



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Band38	15MHz	16QAM	38000	36RB#18	20.13	20.17	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#39	20.04	20.08	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.12	20.16	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.17	21.21	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.23	21.27	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.05	21.09	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#0	19.98	20.02	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#18	19.97	20.01	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#39	19.96	20.00	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	19.99	20.03	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	21.96	22.00	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.21	22.25	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	21.80	21.84	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.15	21.19	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	21.12	21.16	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.04	21.08	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.09	21.13	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	21.68	21.72	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	21.91	21.95	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.12	22.16	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.11	21.15	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#25	20.96	21.00	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	20.93	20.97	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.05	21.09	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	21.98	22.02	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	21.77	21.81	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	21.57	21.61	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	20.98	21.02	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	20.98	21.02	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	20.91	20.95	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	20.98	21.02	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	20.08	20.12	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	20.31	20.35	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	19.99	20.03	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#50	19.00	19.04	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#0	19.07	19.11	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#25	19.07	19.11	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	18.99	19.03	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	20.09	20.13	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	20.40	20.44	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	20.07	20.11	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#0	19.13	19.17	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#25	19.17	19.21	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#50	19.07	19.11	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	19.10	19.14	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	20.05	20.09	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	20.13	20.17	33.00	PASS



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Band38	20MHz	64QAM	38150	1RB#49	20.41	20.45	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#0	19.16	19.20	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#50	19.20	19.24	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#25	19.23	19.27	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	19.17	19.21	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.25	21.29	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.51	21.55	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.08	21.12	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.18	20.22	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	20.21	20.25	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.11	20.15	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.16	20.20	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.17	21.21	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	20.97	21.01	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.41	21.45	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.17	20.21	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.13	20.17	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.00	20.04	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.13	20.17	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.06	21.10	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	20.87	20.91	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.26	21.30	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	19.96	20.00	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.04	20.08	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.05	20.09	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.05	20.09	33.00	PASS

Remark:

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

$$ERP [dBm] = \text{Conducted Power} [dBm] + \text{Gain} [dBd]$$

$$EIRP [dBm] = \text{Conducted Power} [dBm] + \text{Gain} [dBi]$$



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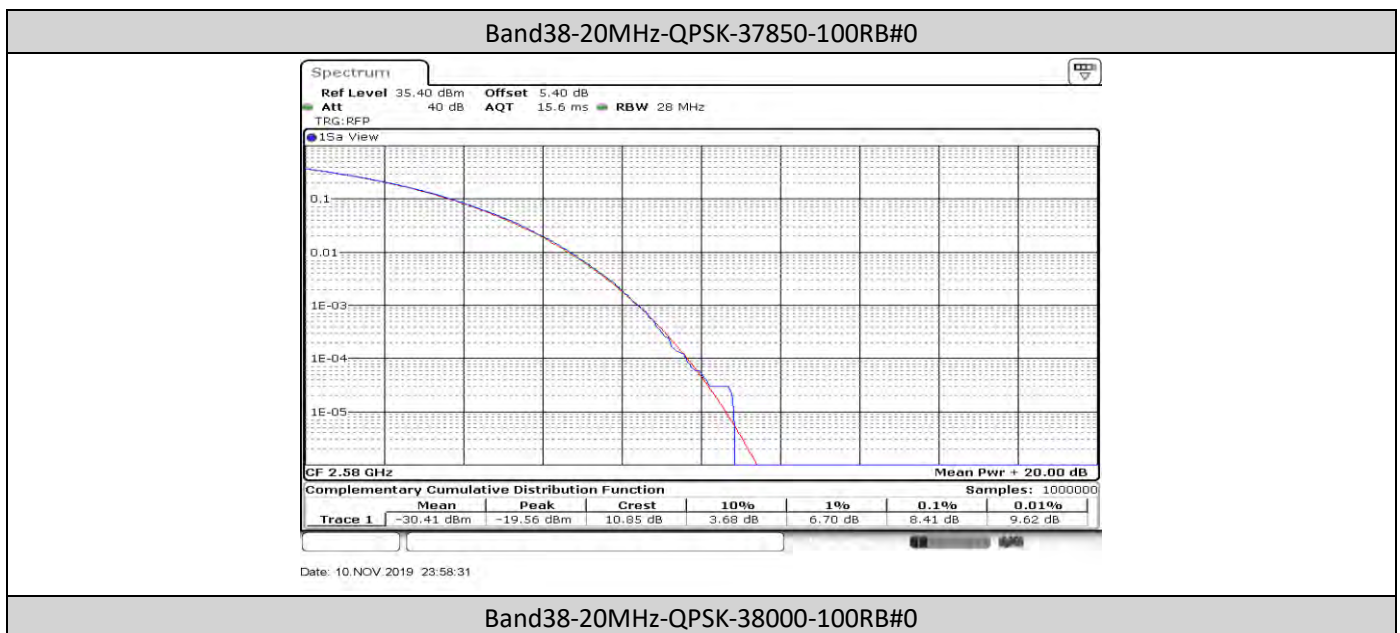


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	8.41	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	8.99	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	8.96	13	PASS
Band38	20MHz	64QAM	37850	100RB#0	8.46	13	PASS
Band38	20MHz	64QAM	38000	100RB#0	10.00	13	PASS
Band38	20MHz	64QAM	38150	100RB#0	10.03	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.71	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.74	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.91	13	PASS

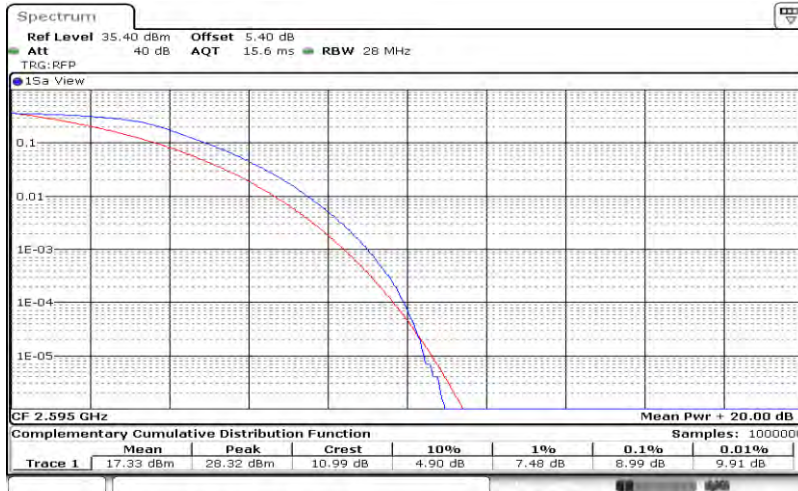
2.2. Test Plots



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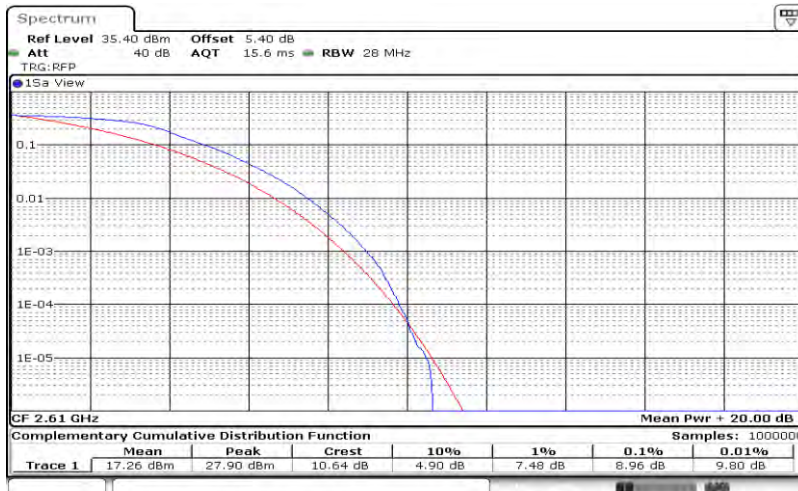
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Date: 10.NOV.2019 23:58:49

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

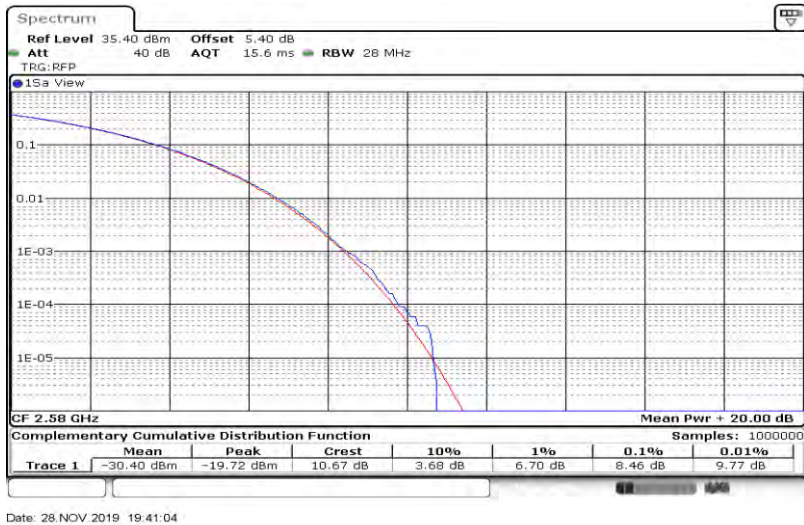


Date: 10.NOV.2019 23:59:07

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

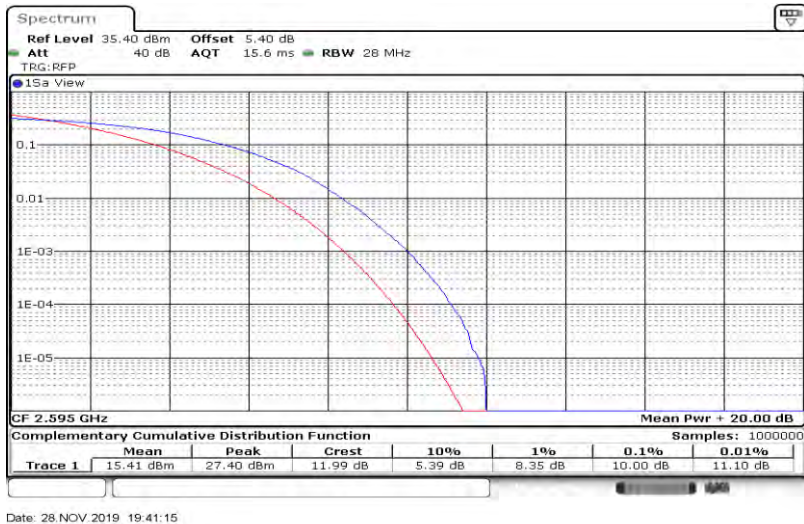


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Date: 28.NOV.2019 19:41:04

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



Date: 28.NOV.2019 19:41:15

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



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Date: 28.NOV.2019 19:41:26

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



Date: 10.NOV.2019 23:58:39

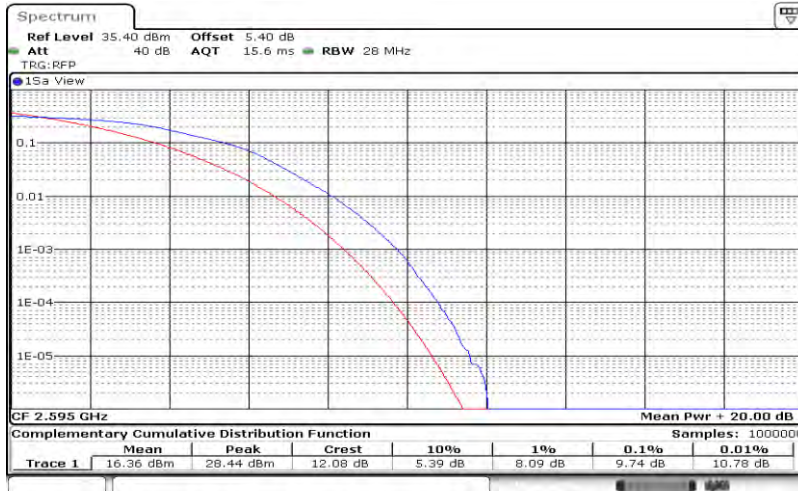
Band38-20MHz-16QAM-38000-100RB#0



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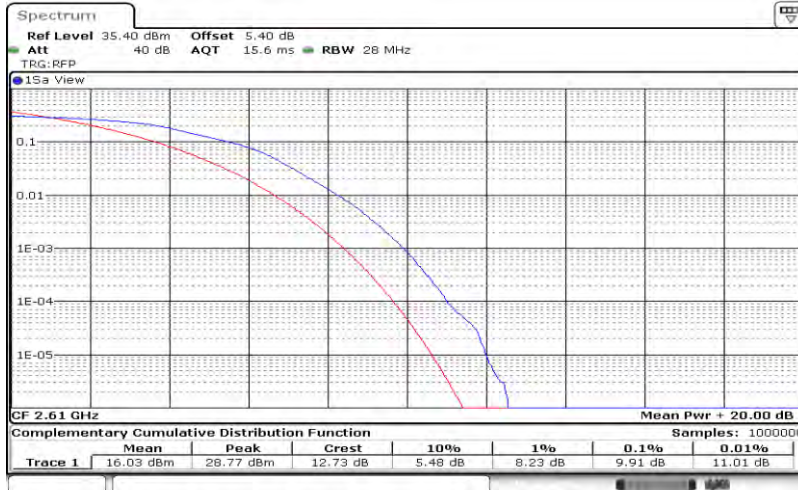
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Date: 10.NOV.2019 23:58:57

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



Date: 10.NOV.2019 23:59:15



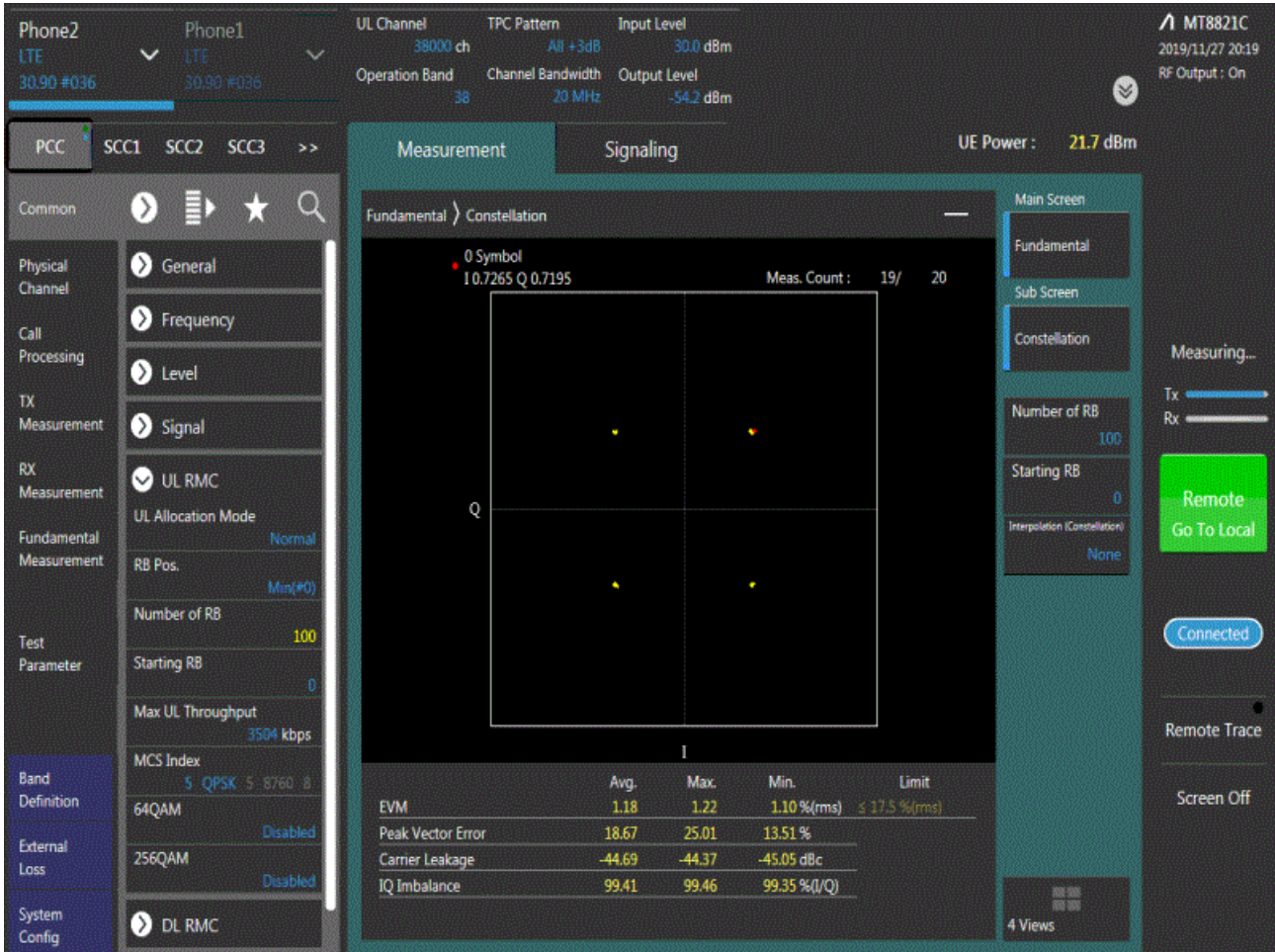
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH



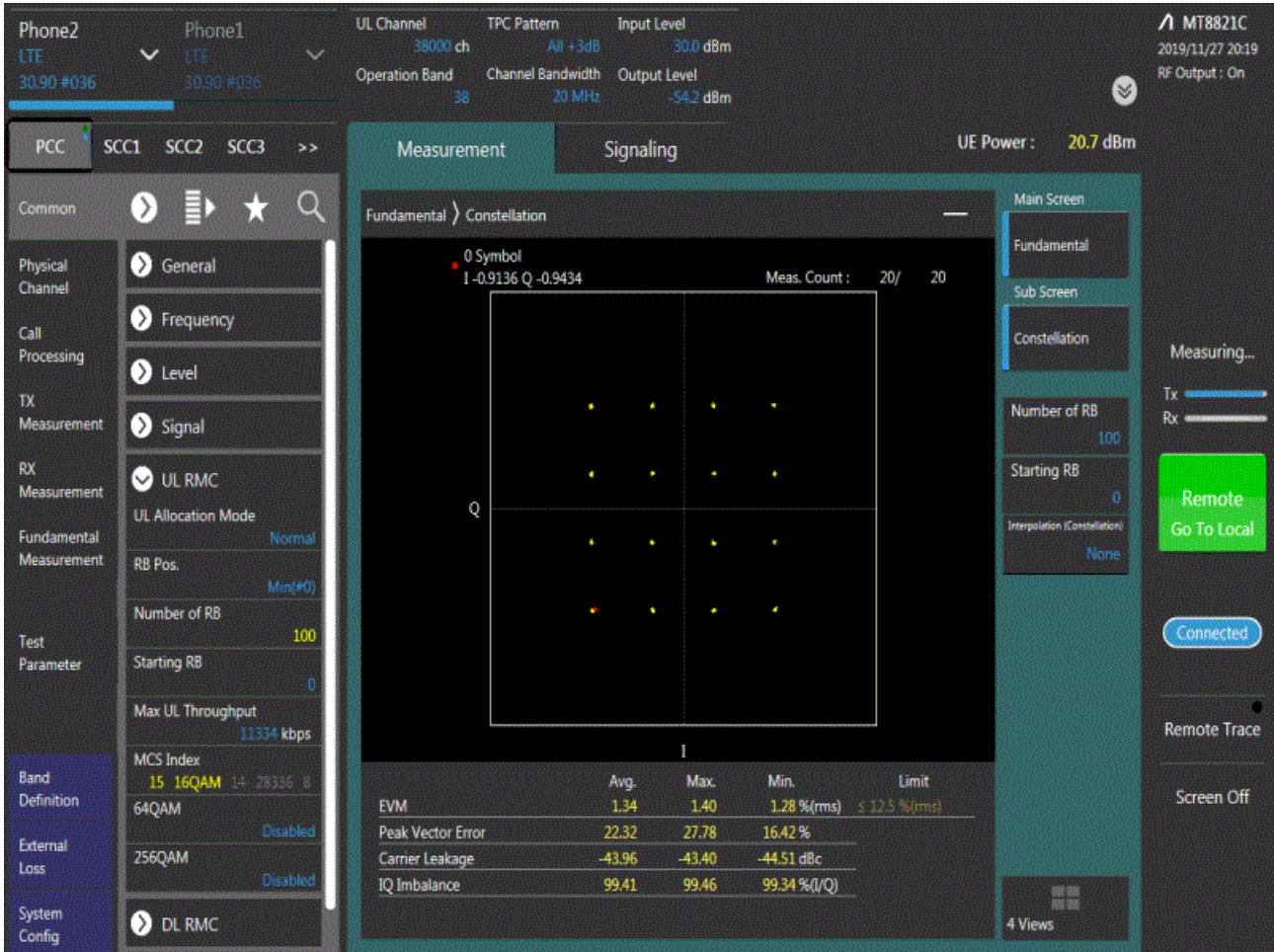
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3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH

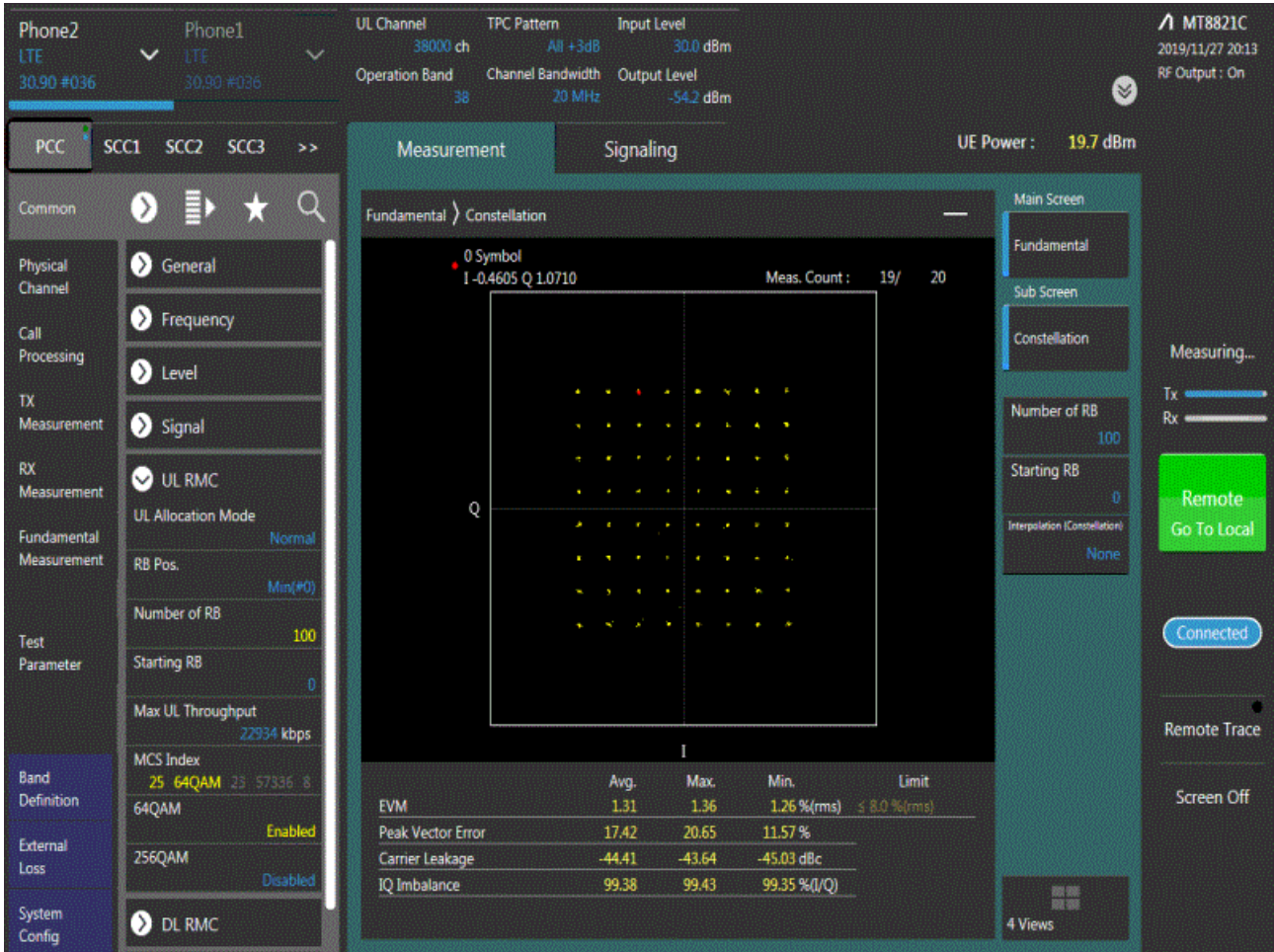


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3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH



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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.466	4.870	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.466	4.850	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.476	4.800	PASS
Band38	5MHz	64QAM	37775	25RB#0	4.466	4.920	PASS
Band38	5MHz	64QAM	38000	25RB#0	4.476	4.970	PASS
Band38	5MHz	64QAM	38225	25RB#0	4.476	4.940	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.466	4.830	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.466	4.840	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.466	4.870	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.931	9.600	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.931	9.840	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.951	9.640	PASS
Band38	10MHz	64QAM	37800	50RB#0	8.951	9.580	PASS
Band38	10MHz	64QAM	38000	50RB#0	8.931	9.580	PASS
Band38	10MHz	64QAM	38200	50RB#0	8.931	9.560	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.931	9.620	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.951	9.820	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.931	9.520	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.487	15.060	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.487	15.510	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.427	14.940	PASS
Band38	15MHz	64QAM	37825	75RB#0	13.427	14.760	PASS
Band38	15MHz	64QAM	38000	75RB#0	13.427	14.610	PASS
Band38	15MHz	64QAM	38175	75RB#0	13.457	14.790	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.457	15.690	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.487	16.200	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.516	16.530	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.902	19.280	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.902	20.520	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.862	19.280	PASS
Band38	20MHz	64QAM	37850	100RB#0	17.902	19.360	PASS



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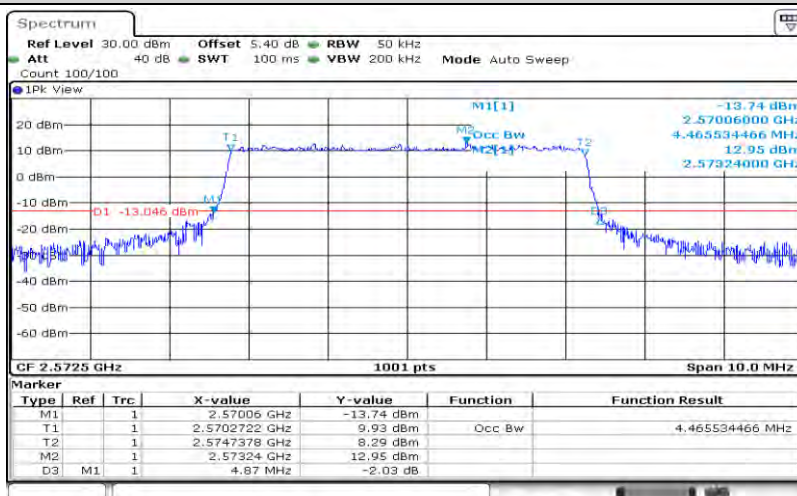
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Band38	20MHz	64QAM	38000	100RB#0	17.862	19.200	PASS
Band38	20MHz	64QAM	38150	100RB#0	17.902	19.600	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.902	19.800	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.822	19.480	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.902	20.360	PASS

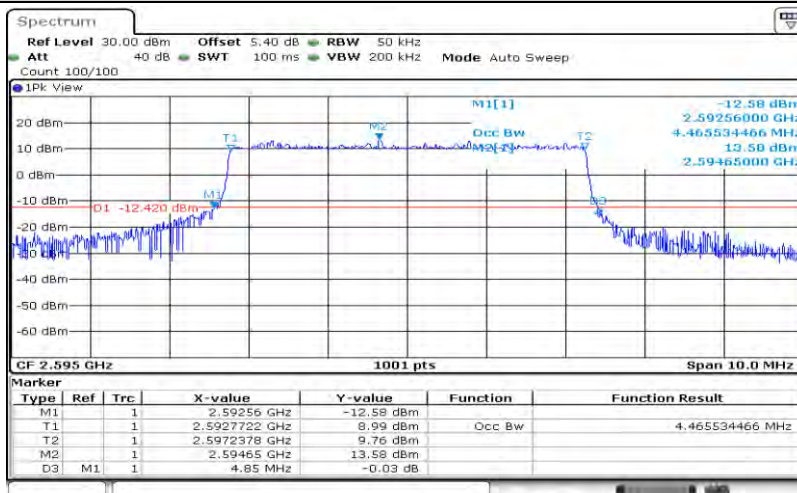
4.2. Test Plots

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



Date: 10.NOV.2019 23:40:48

Band38-5MHz-QPSK-38000-25RB#0-4.466

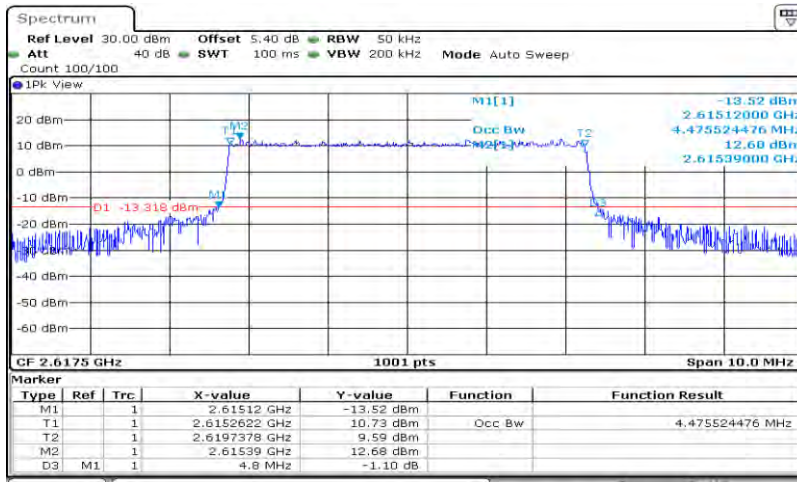


Date: 10.NOV.2019 23:41:23

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

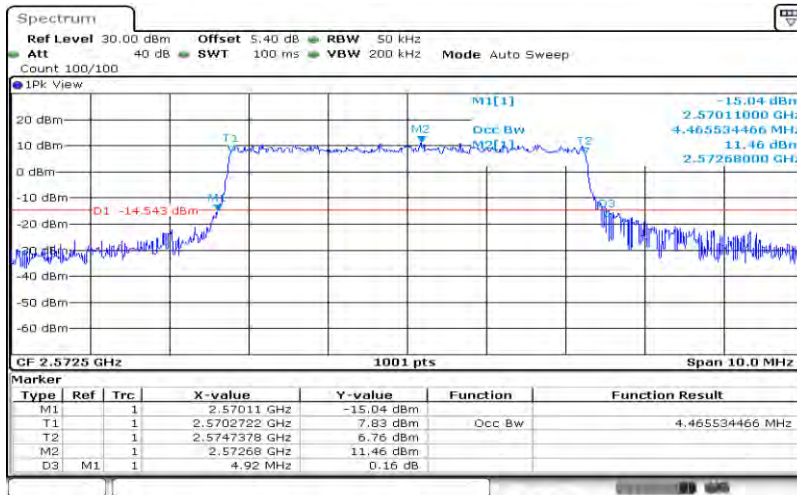


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Date: 10.NOV.2019 23:41:58

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

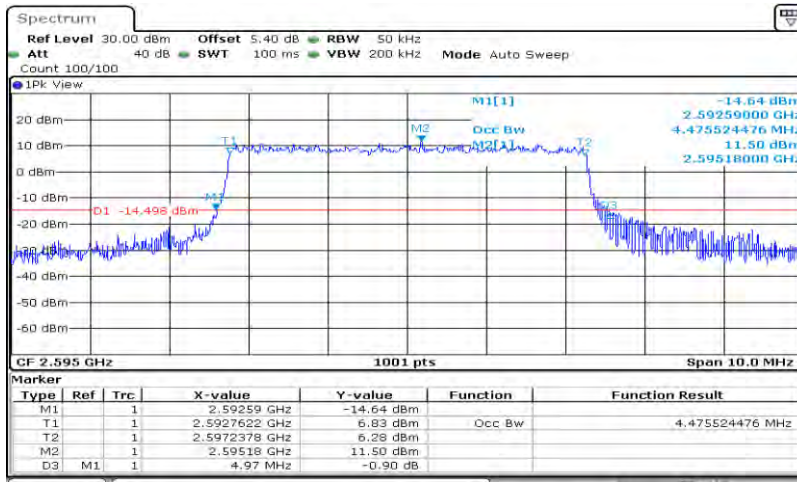


Date: 28.NOV.2019 19:33:44

Band38-5MHz-64QAM-38000-25RB#0-4.476

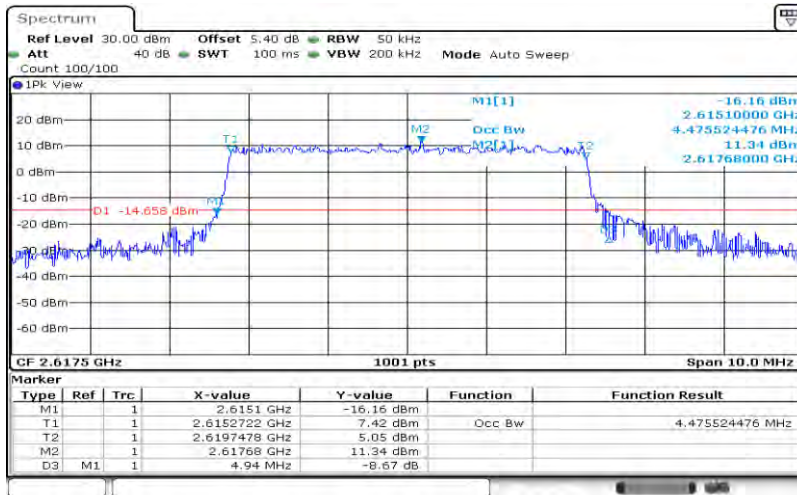


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Date: 28.NOV.2019 19:34:04

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



Date: 28.NOV.2019 19:34:24

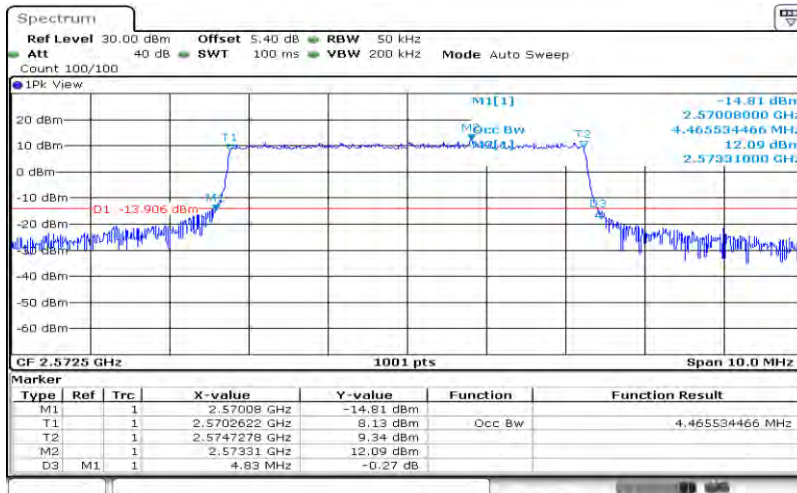
Band38-5MHz-16QAM-37775-25RB#0-4.466



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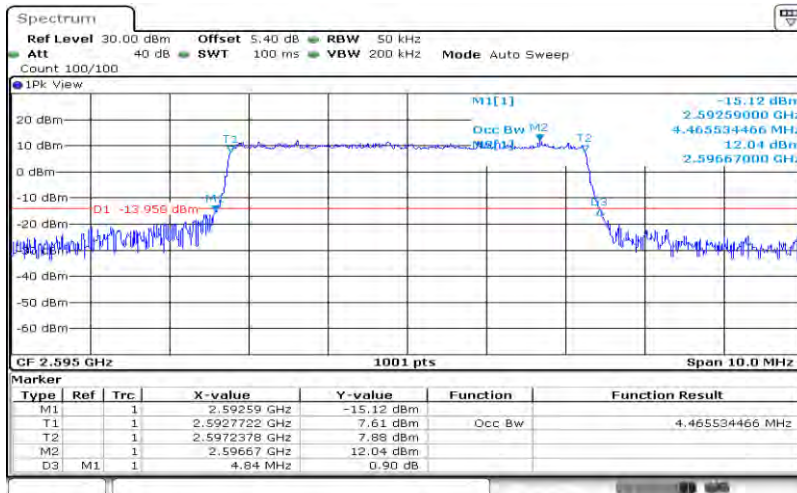
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Date: 10.NOV.2019 23:41:05

Band38-5MHz-16QAM-38000-25RB#0-4.466

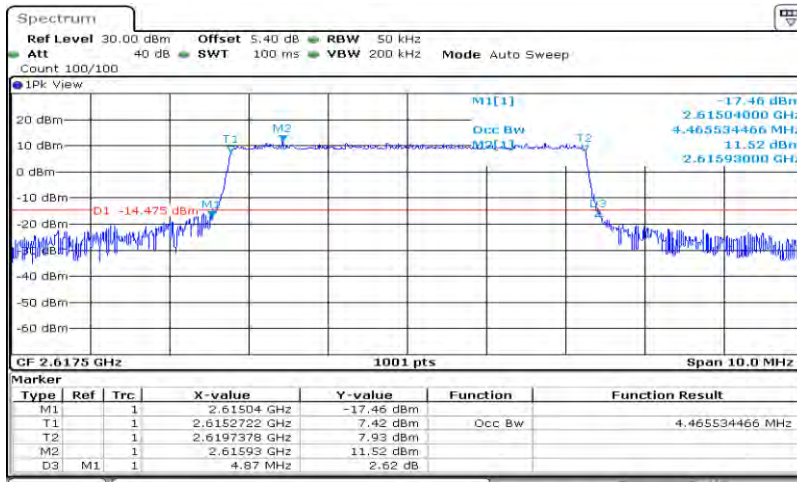


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Band38-5MHz-16QAM-38225-25RB#0-4.466

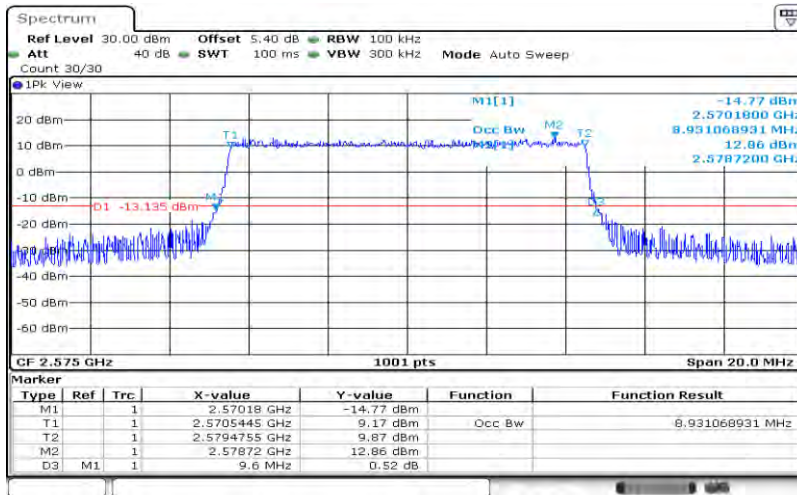


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Date: 10.NOV.2019 23:42:15

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

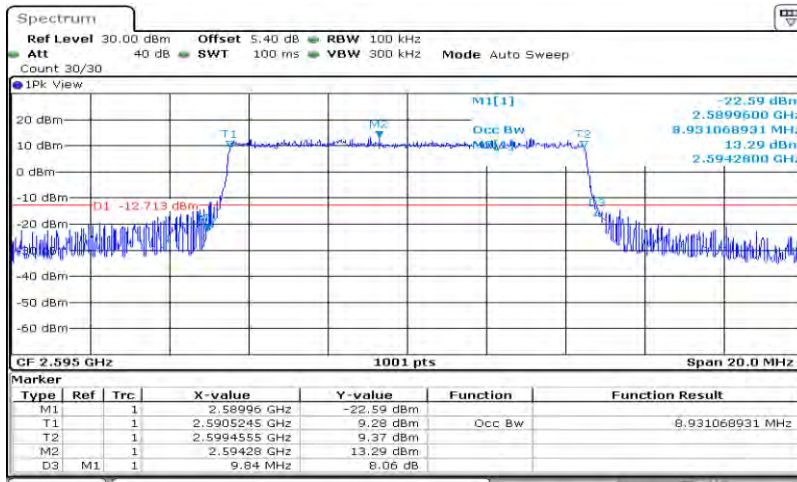


Date: 10.NOV.2019 23:43:13

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

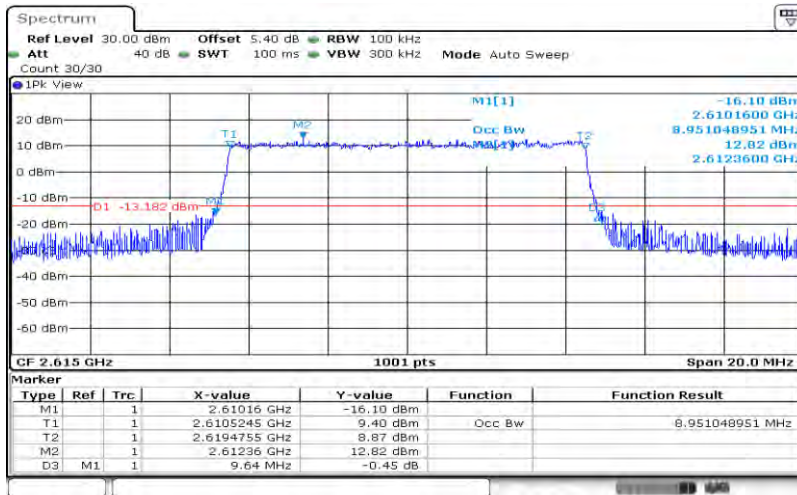


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Date: 10.NOV.2019 23:43:34

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

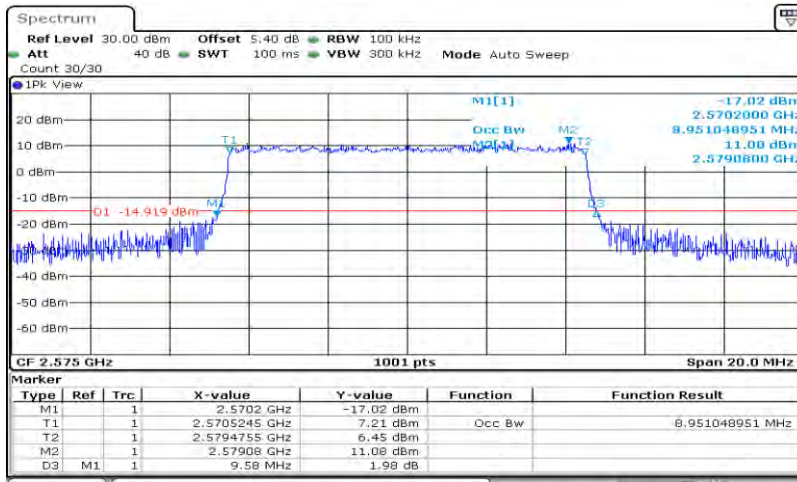


Date: 10.NOV.2019 23:43:55

Band38-10MHz-64QAM-37800-50RB#0-8.951

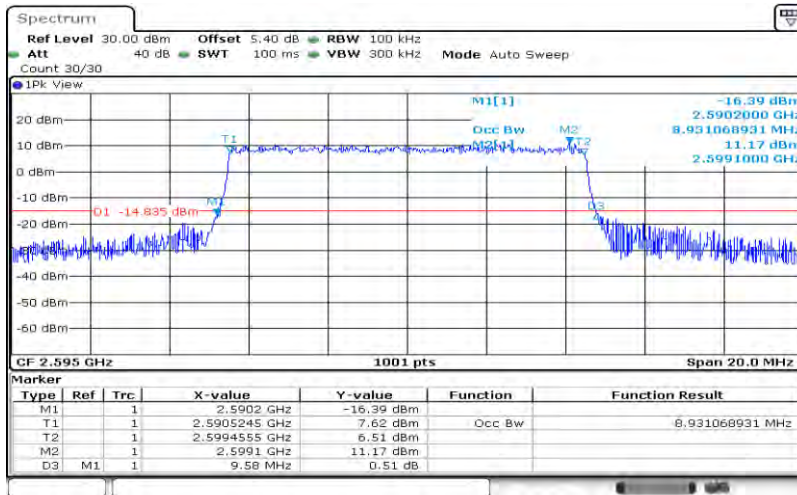


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Date: 28.NOV.2019 19:34:42

Band38-10MHz-64QAM-38000-50RB#0-8.931



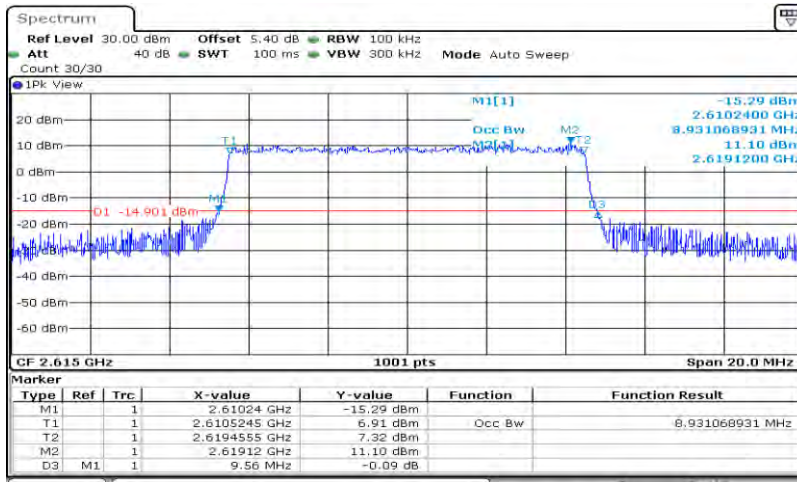
Date: 28.NOV.2019 19:34:55

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



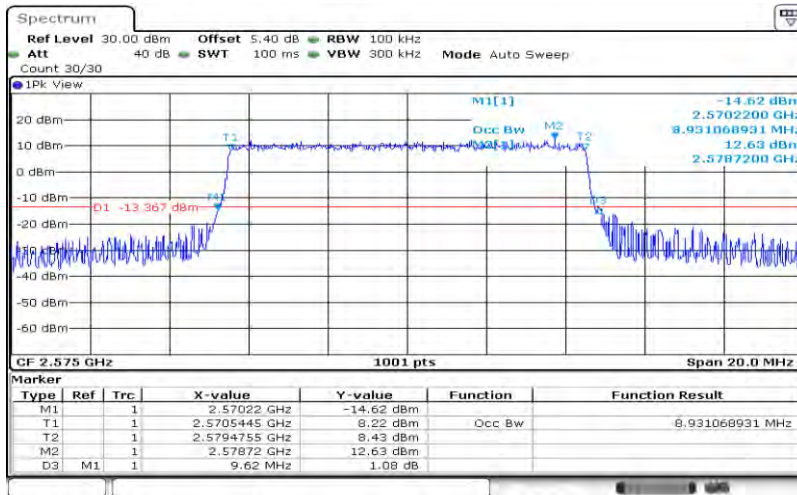
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Date: 28.NOV.2019 19:35:08

Band38-10MHz-16QAM-37800-50RB#0-8.931

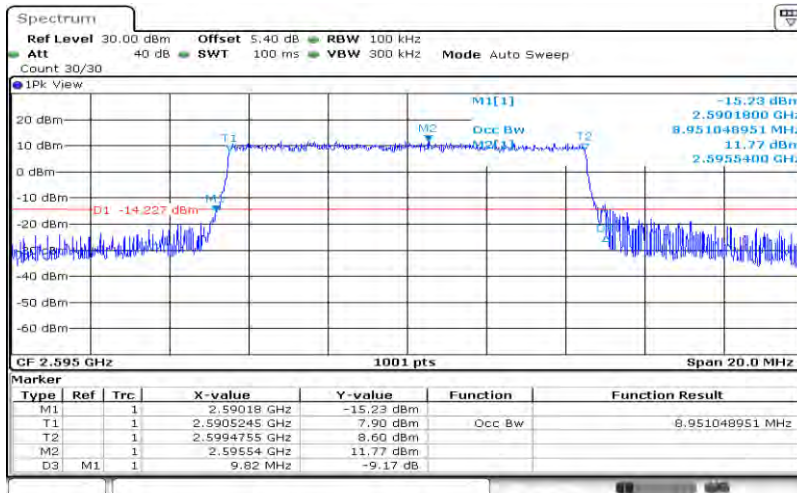


Date: 10.NOV.2019 23:43:23

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

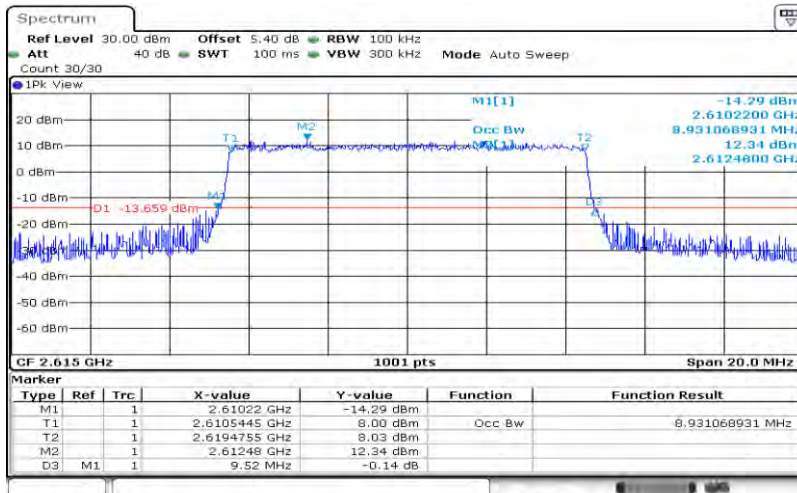


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Date: 10.NOV.2019 23:43:44

Band38-10MHz-16QAM-38200-50RB#0-8.931

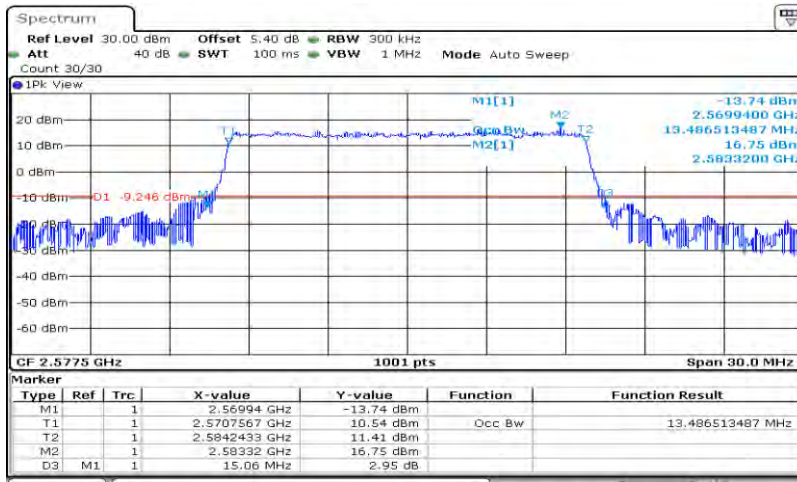


Date: 10.NOV.2019 23:44:05

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

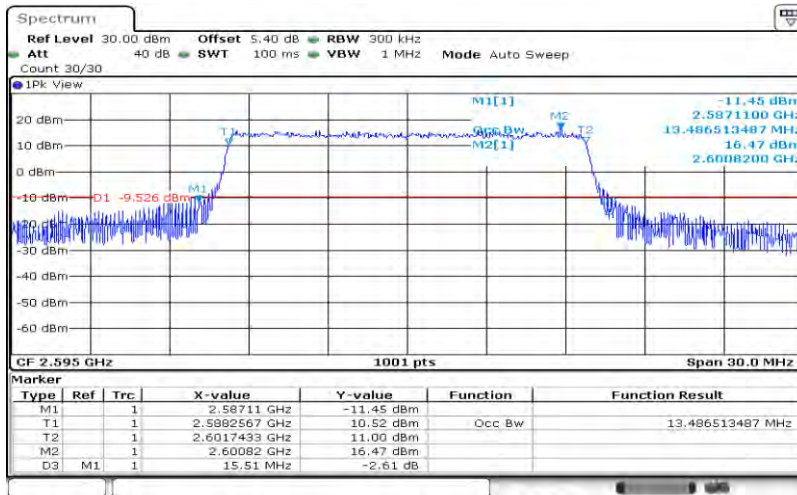


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Date: 10.NOV.2019 23:45:07

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

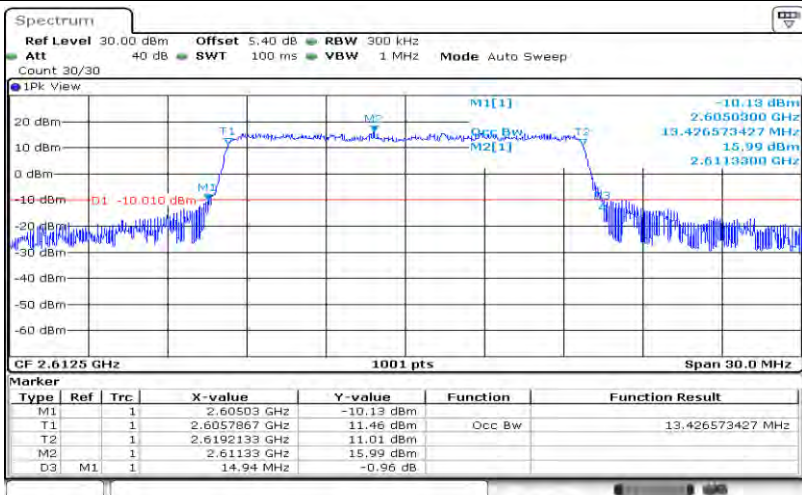


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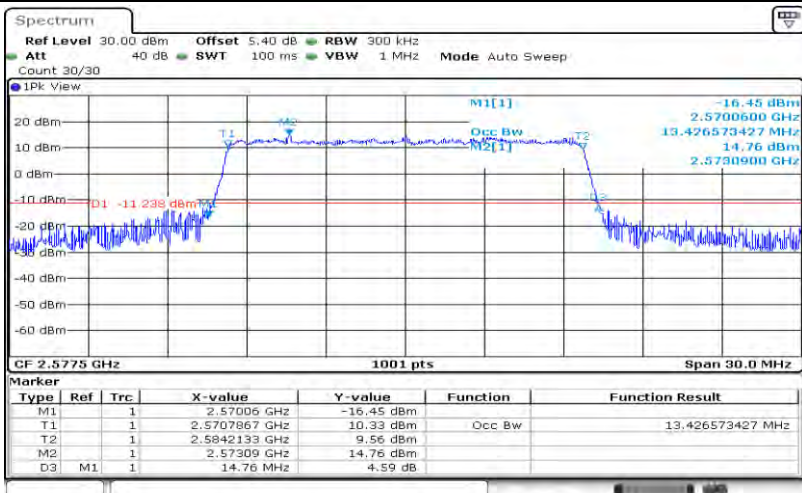
Band38-15MHz-QPSK-38175-75RB#0-13.427



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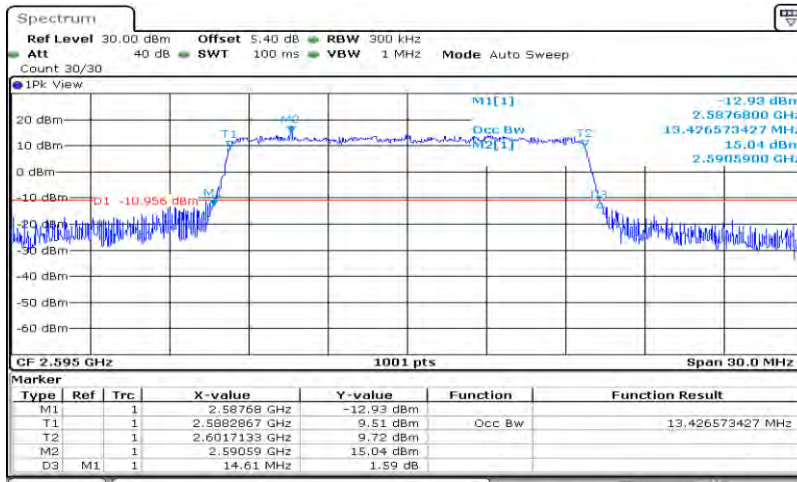
Band38-15MHz-64QAM-37825-75RB#0-13.427



Band38-15MHz-64QAM-38000-75RB#0-13.427

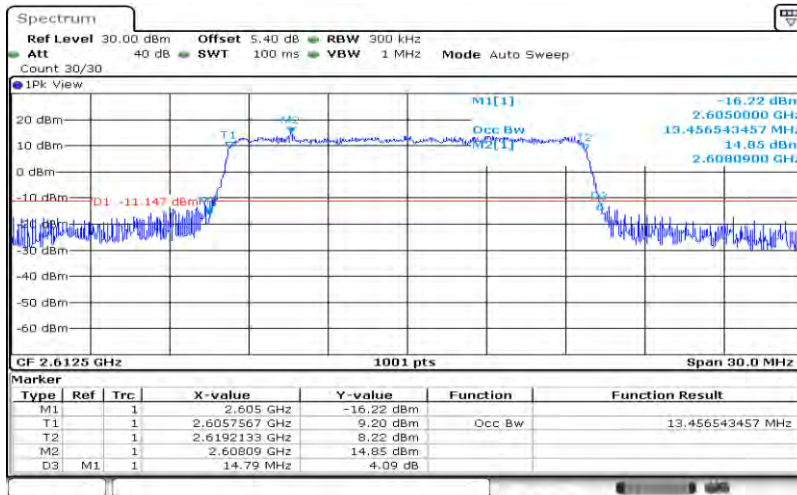


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Date: 28.NOV.2019 19:35:39

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

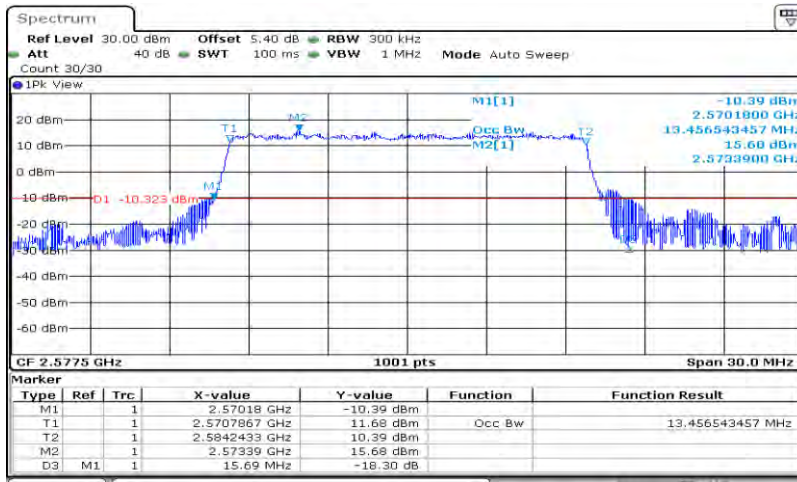


Date: 28.NOV.2019 19:35:52

Band38-15MHz-16QAM-37825-75RB#0-13.457

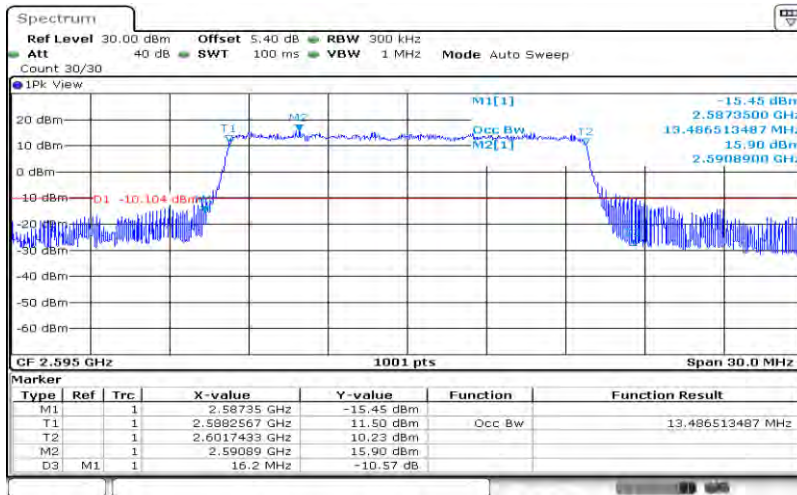


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Date: 10.NOV.2019 23:45:16

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

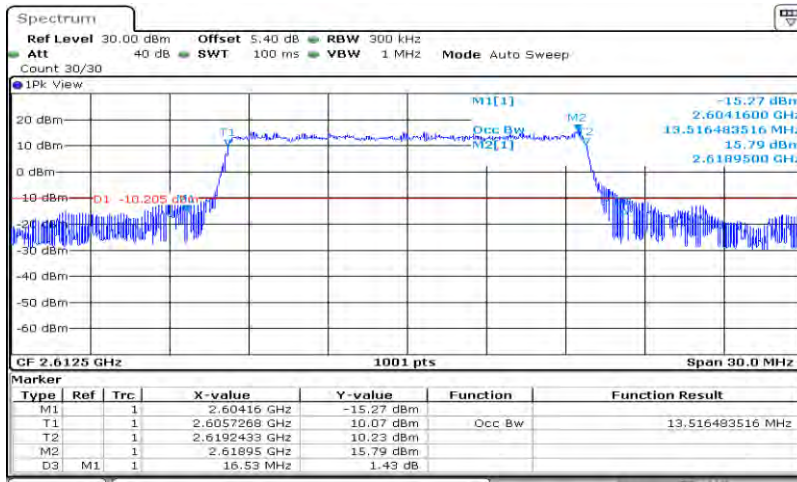


Date: 10.NOV.2019 23:45:37

Band38-15MHz-16QAM-38175-75RB#0-13.516

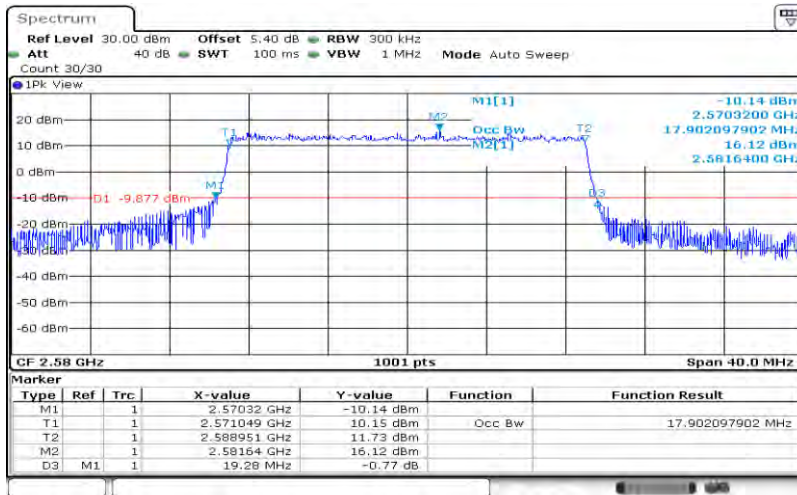


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Date: 10.NOV.2019 23:45:58

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



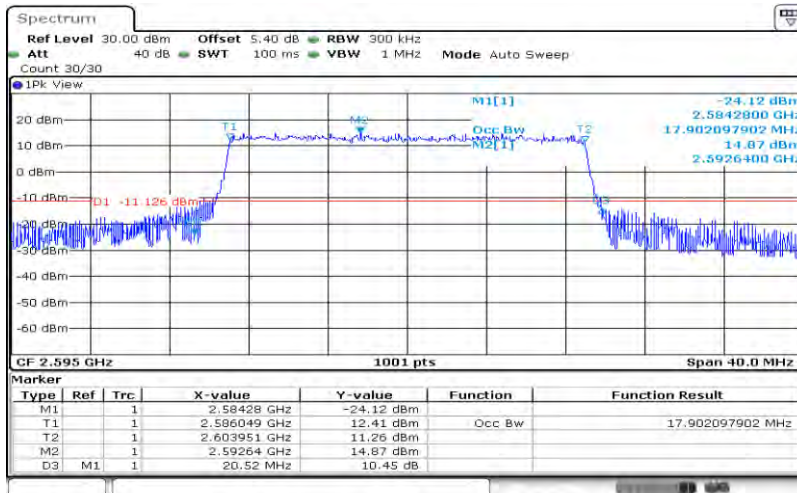
Date: 10.NOV.2019 23:47:32

Band38-20MHz-QPSK-38000-100RB#0-17.902



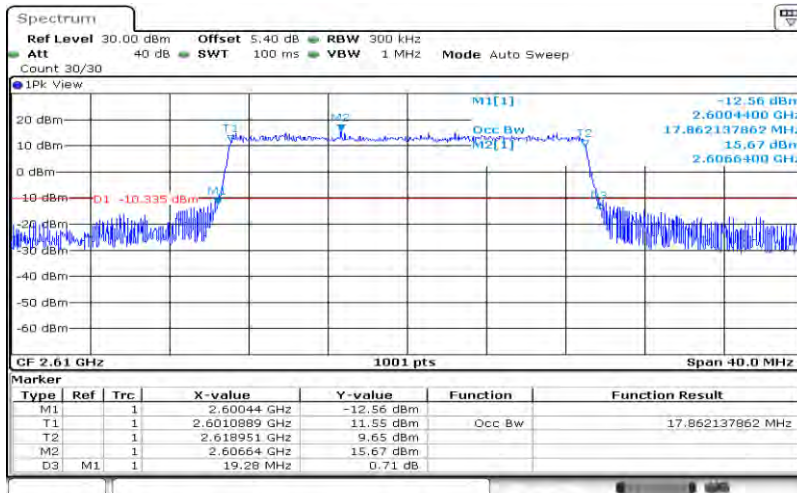
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Date: 10.NOV.2019 23:47:53

Band38-20MHz-QPSK-38150-100RB#0-17.862

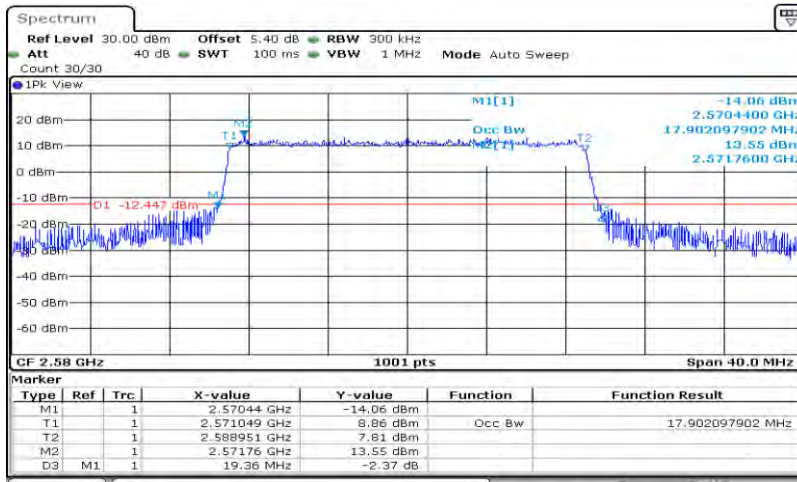


Date: 10.NOV.2019 23:48:14

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

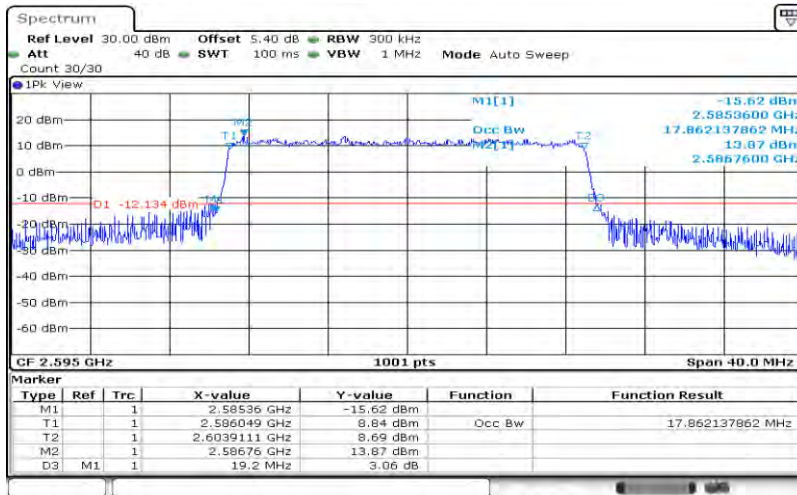


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Date: 28.NOV.2019 19:36:10

Band38-20MHz-64QAM-38000-100RB#0-17.862

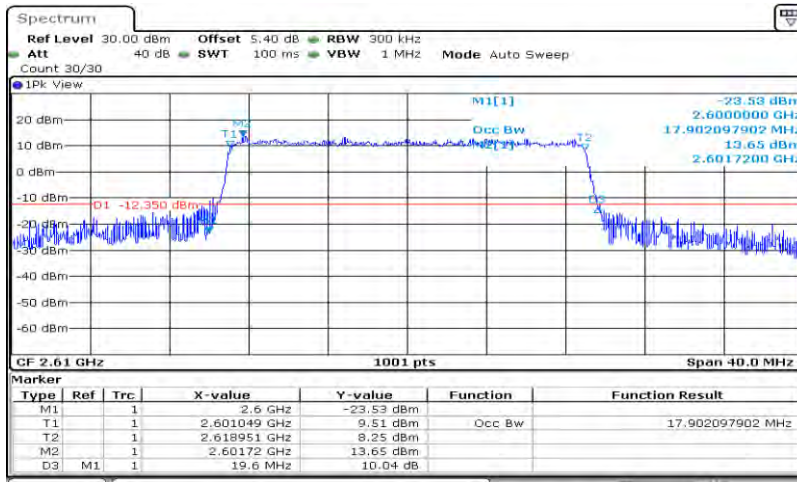


Date: 28.NOV.2019 19:36:23

Band38-20MHz-64QAM-38150-100RB#0-17.902

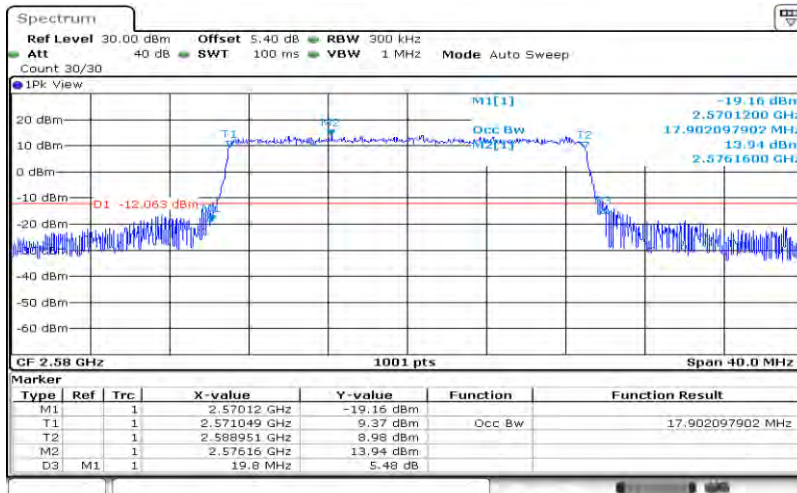


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Date: 28.NOV.2019 19:36:36

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



Date: 10.NOV.2019 23:47:42

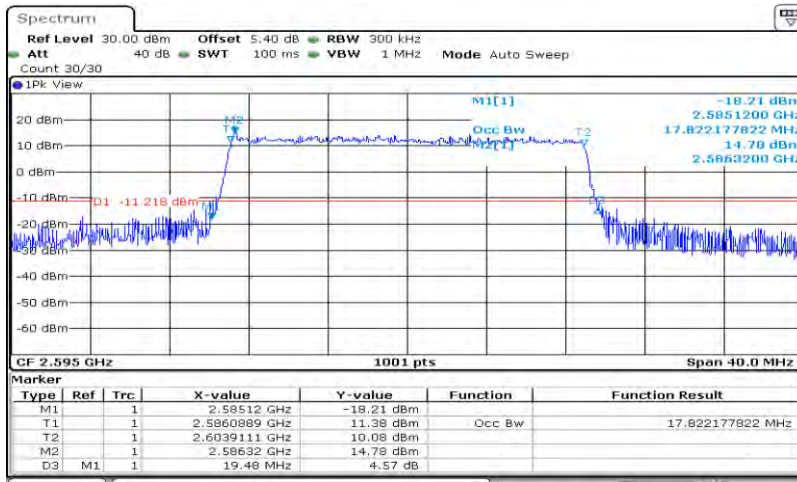
Band38-20MHz-16QAM-38000-100RB#0-17.822



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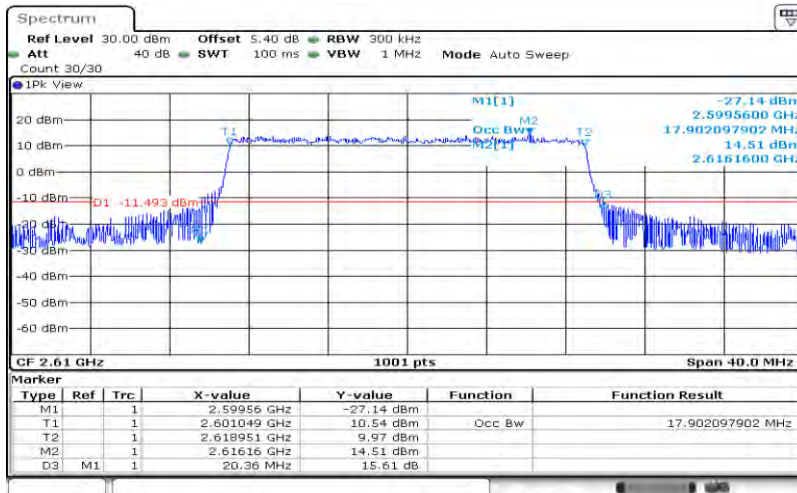
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Date: 10.NOV.2019 23:48:03

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



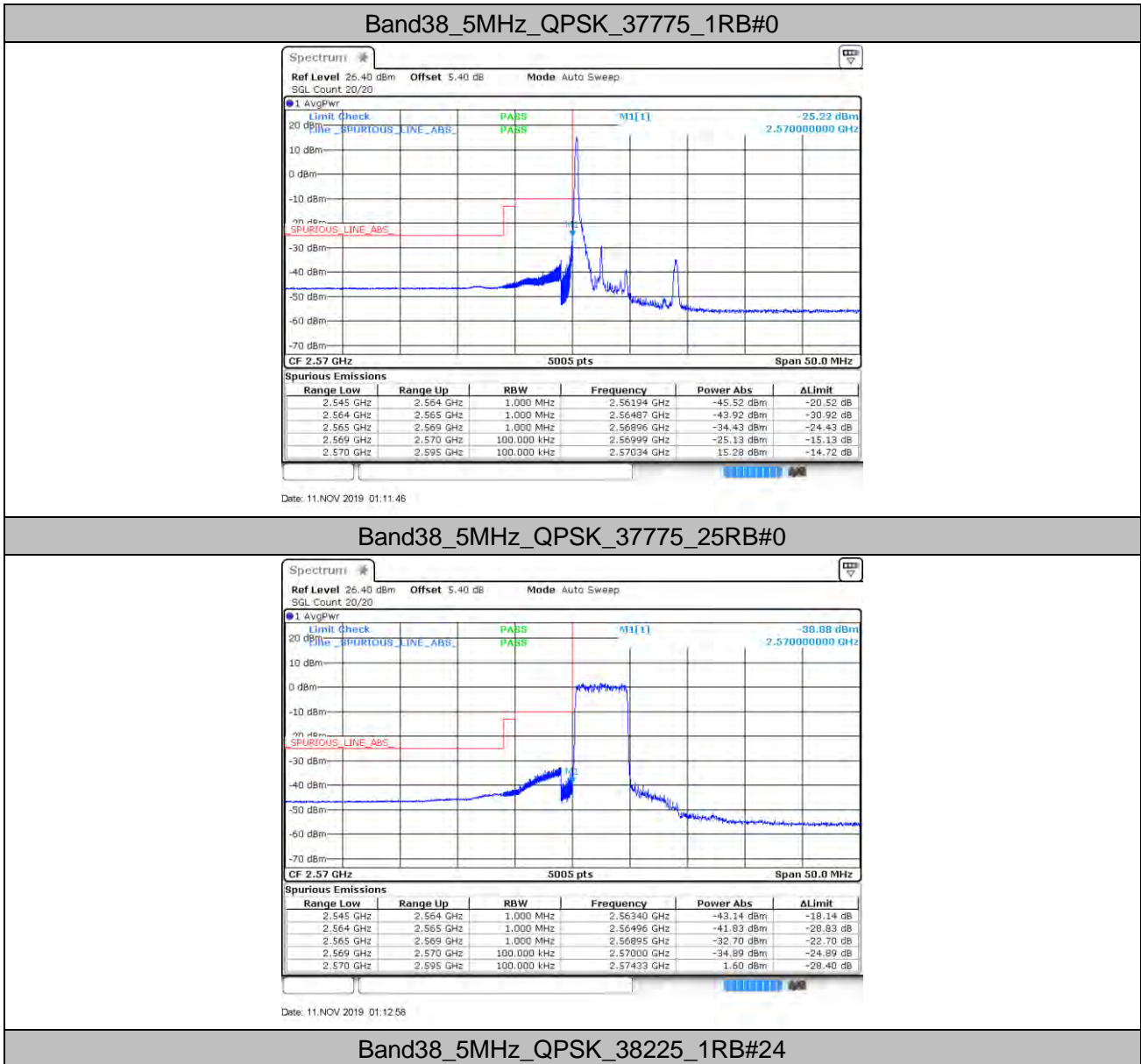
Date: 10.NOV.2019 23:48:24



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5. Band Edge Compliance

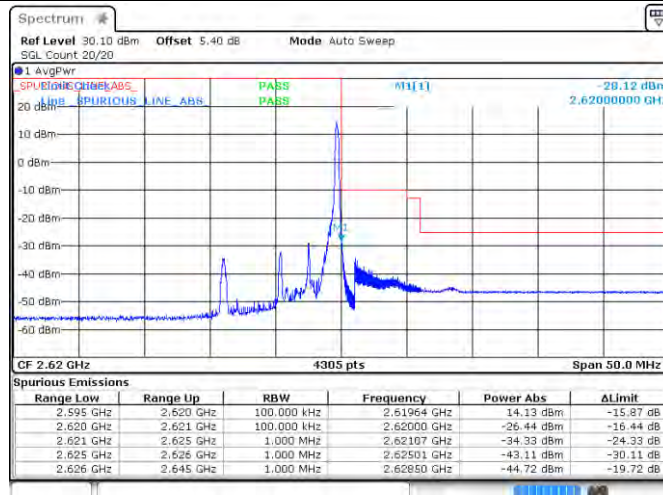
5.1. Test Plots



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Date: 11.NOV 2019 01:16:35

Band38_5MHz_QPSK_38225_25RB#0

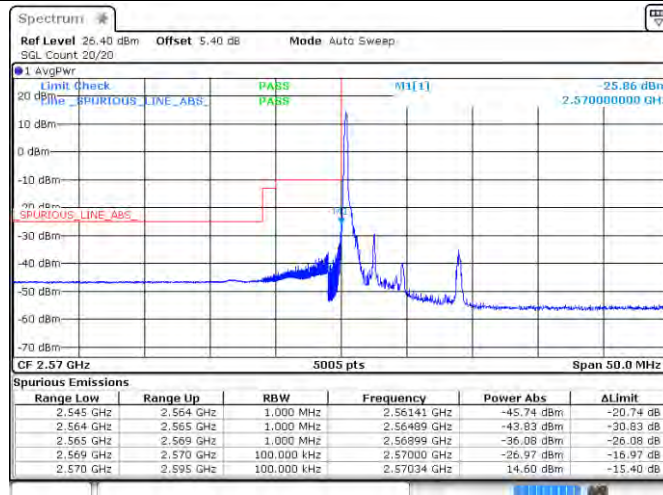


Date: 11.NOV 2019 01:15:00

Band38_5MHz_16QAM_37775_1RB#0

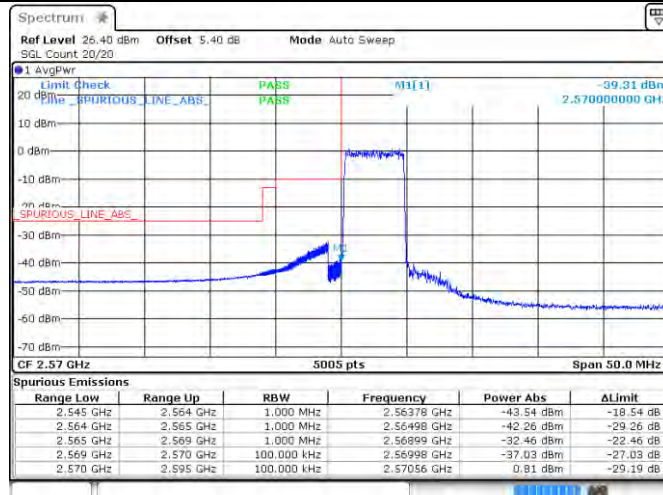


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Date: 11.NOV 2019 01:12:09

Band38_5MHz_16QAM_3775_25RB#0

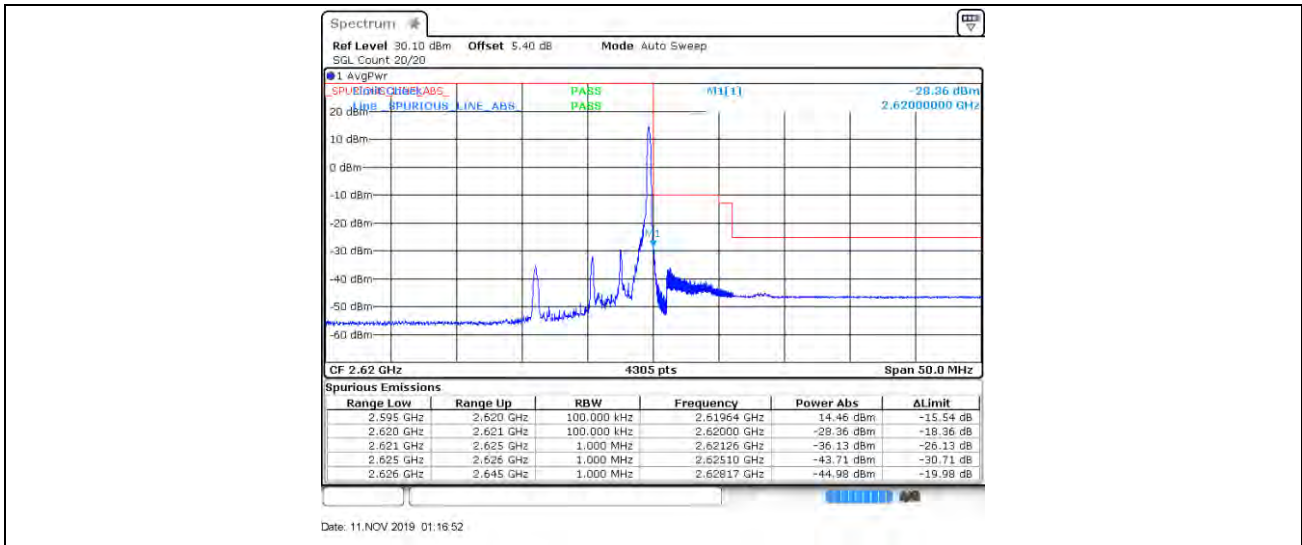


Date: 11.NOV 2019 01:12:34

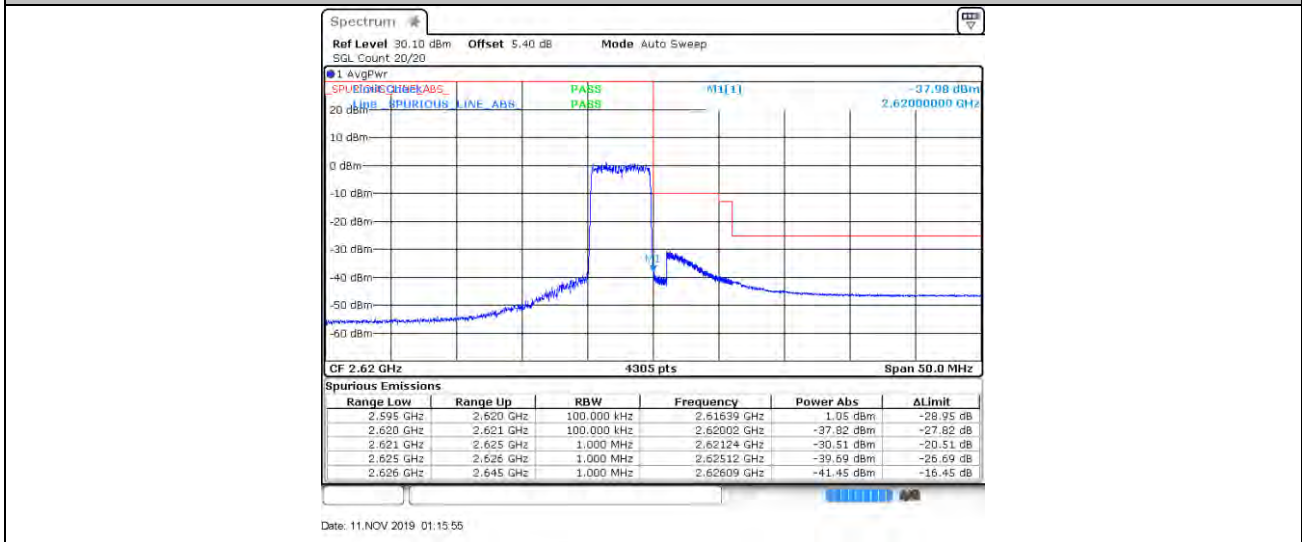
Band38_5MHz_16QAM_38225_1RB#24



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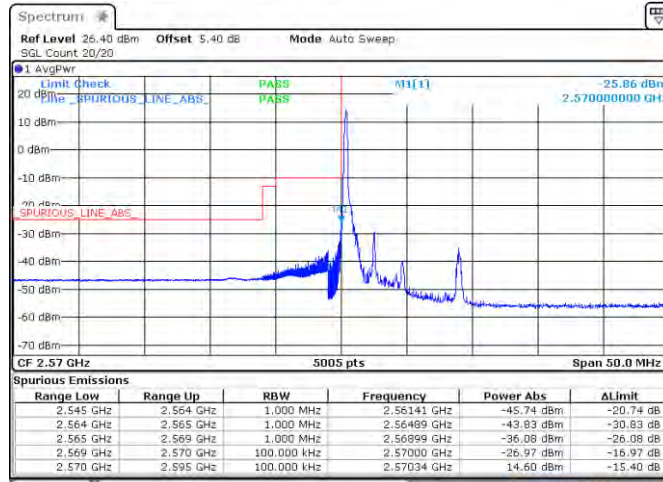
Band38_5MHz_16QAM_38225_25RB#0



Band38_5MHz_64QAM_37775_1RB#0

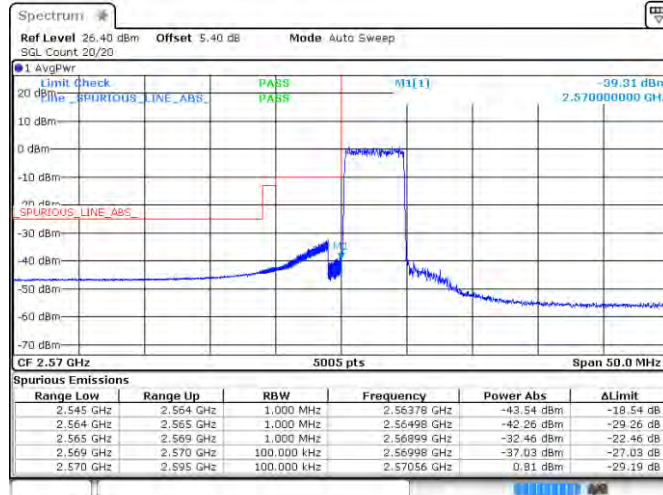


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Date: 11.NOV 2019 01:12:09

Band38_5MHz_64QAM_3775_25RB#0

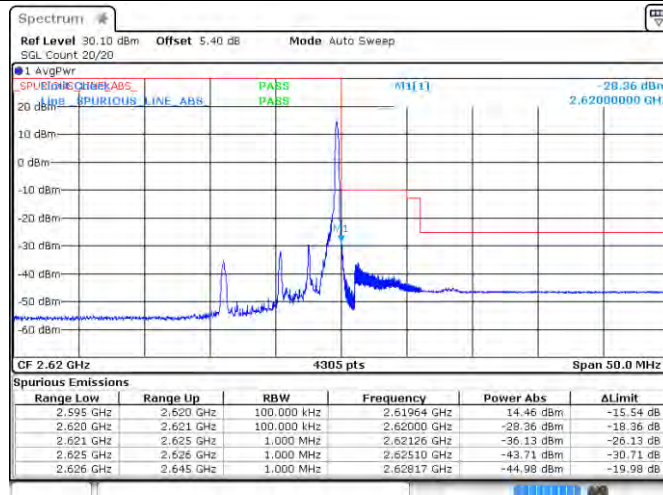


Date: 11.NOV 2019 01:12:34

Band38_5MHz_64QAM_38225_1RB#24

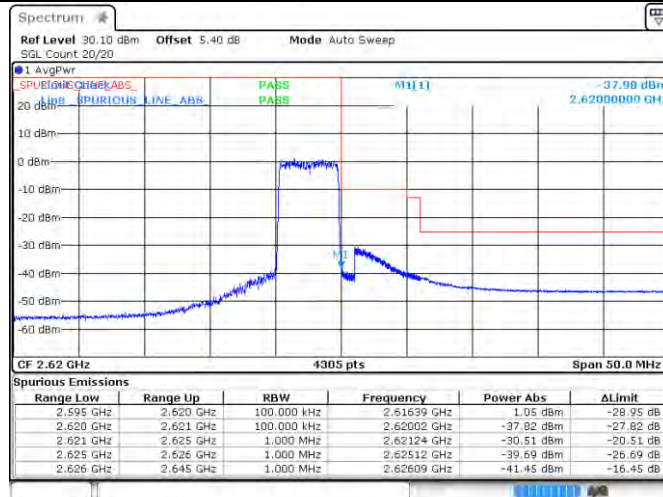


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Date: 11.NOV 2019 01:16:52

Band38_5MHz_64QAM_38225_25RB#0

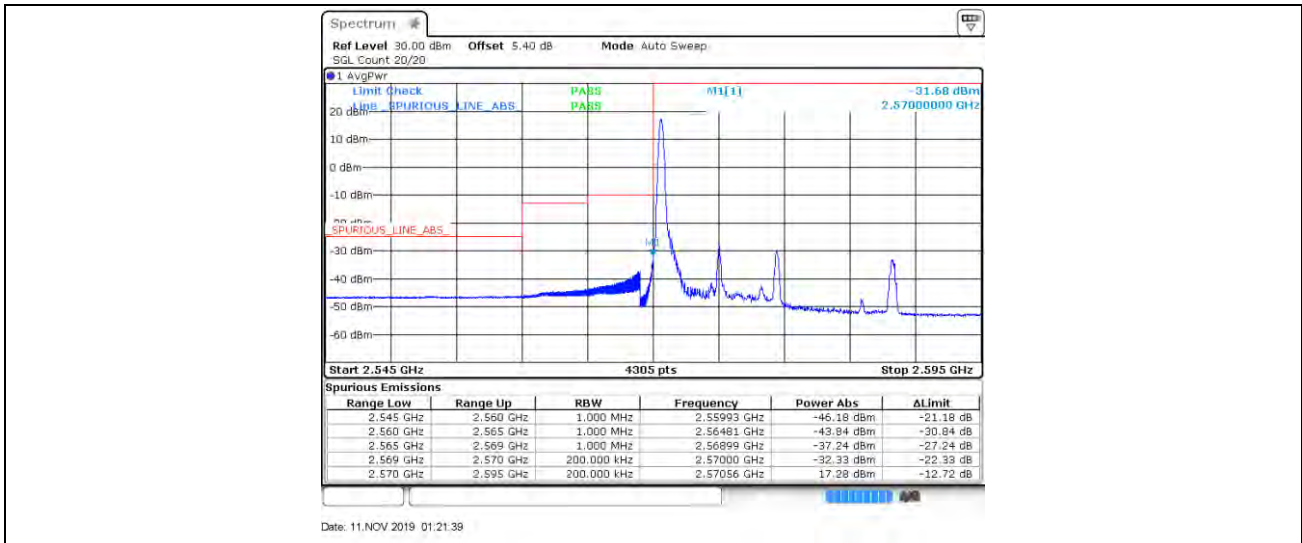


Date: 11.NOV 2019 01:15:55

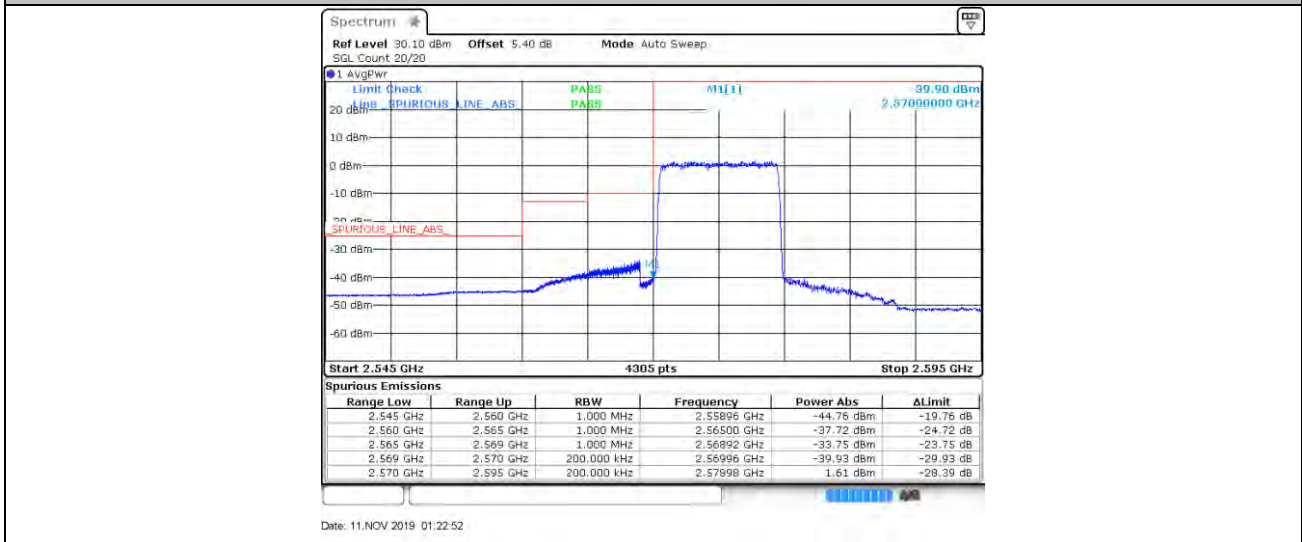
Band38_10MHz_QPSK_37800_1RB#0



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Band38_10MHz_QPSK_37800_50RB#0



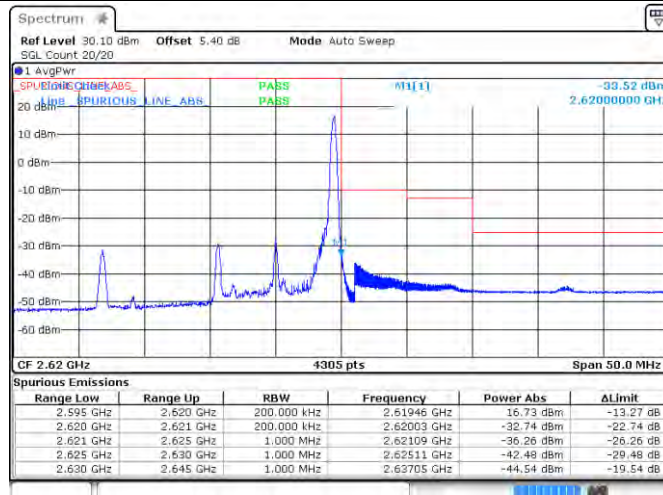
Band38_10MHz_QPSK_38200_1RB#49



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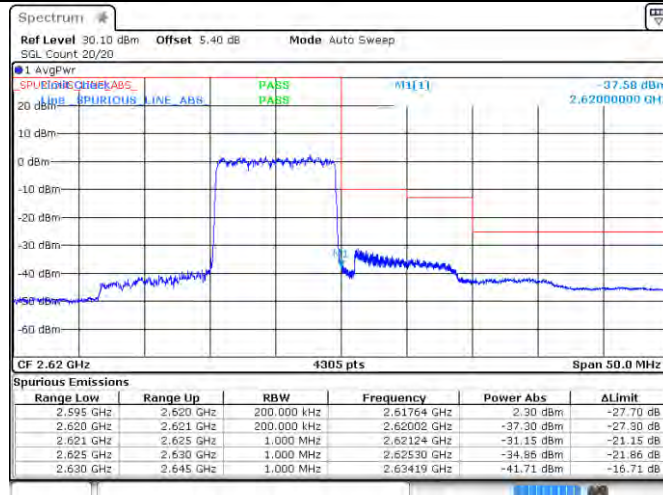
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Date: 11.NOV 2019 01:20:17

Band38_10MHz_QPSK_38200_50RB#0

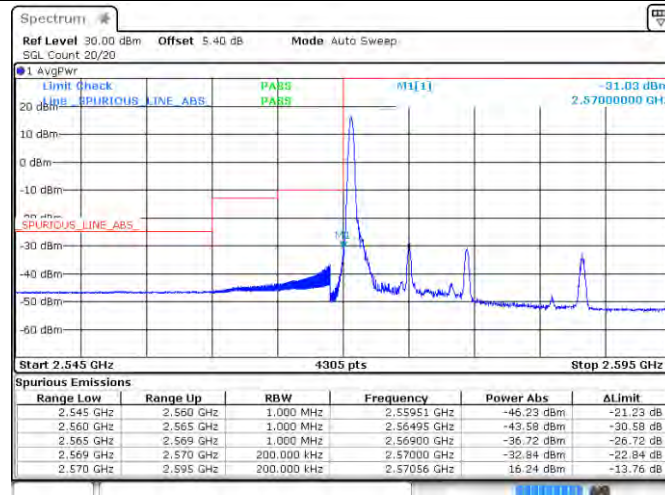


Date: 11.NOV 2019 01:19:18

Band38_10MHz_16QAM_37800_1RB#0

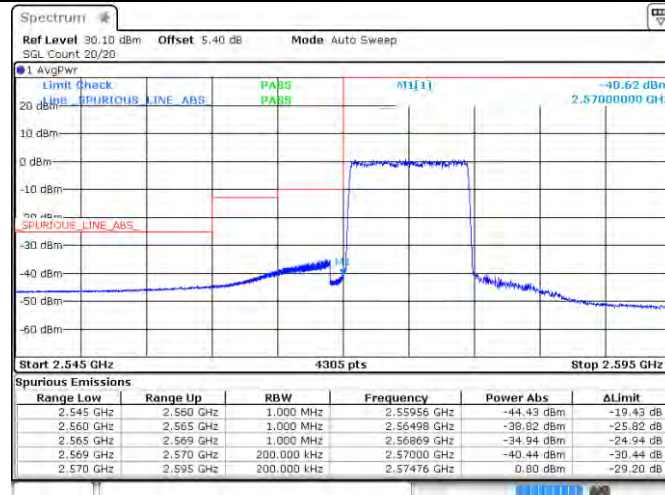


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Date: 11.NOV 2019 01:21:54

Band38_10MHz_16QAM_37800_50RB#0

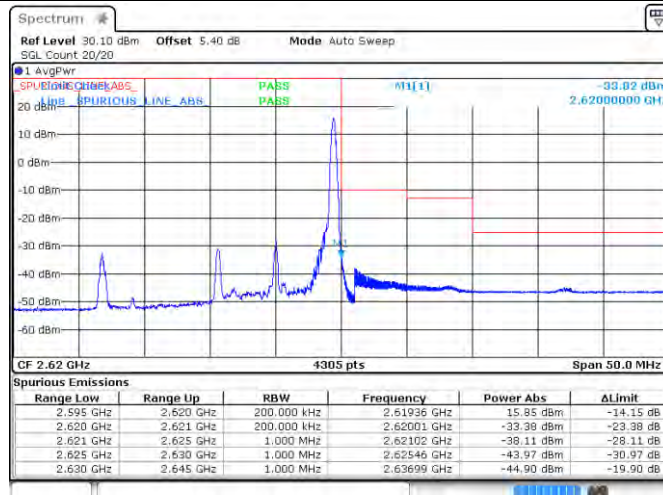


Date: 11.NOV 2019 01:22:29

Band38_10MHz_16QAM_38200_1RB#49

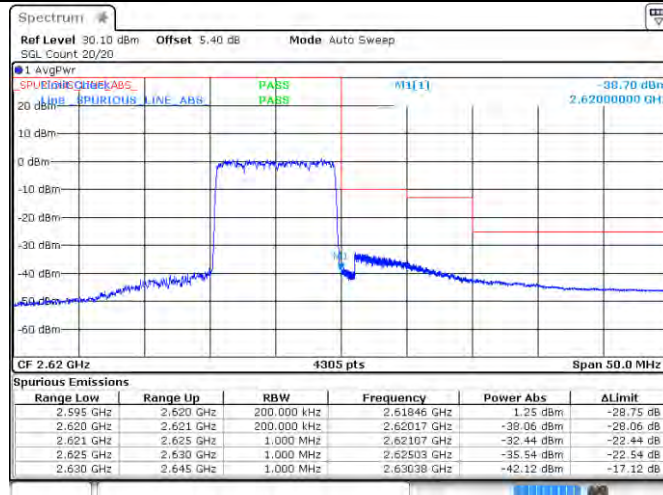


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Date: 11.NOV 2019 01:20:30

Band38_10MHz_16QAM_38200_50RB#0

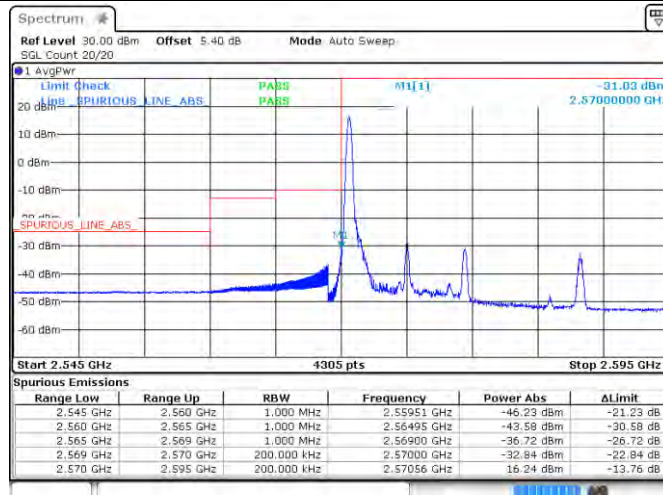


Date: 11.NOV 2019 01:18:15

Band38_10MHz_64QAM_37800_1RB#0

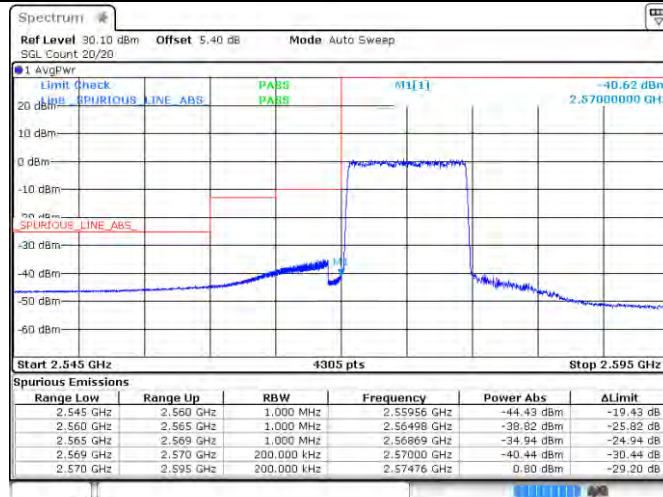


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Date: 11.NOV 2019 01:21:54

Band38_10MHz_64QAM_37800_50RB#0

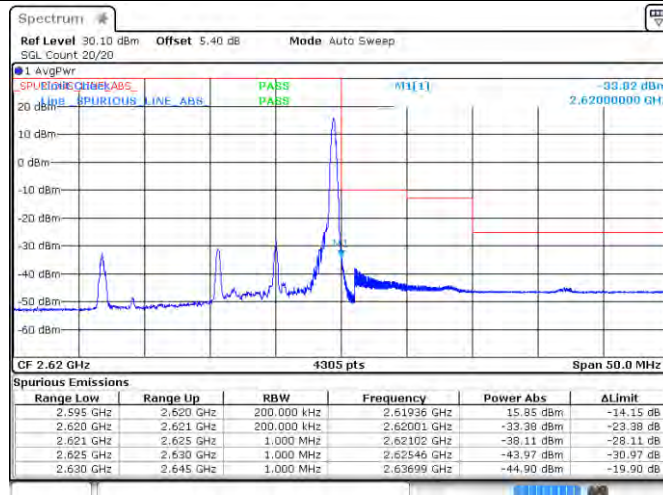


Date: 11.NOV 2019 01:22:29

Band38_10MHz_64QAM_38200_1RB#49

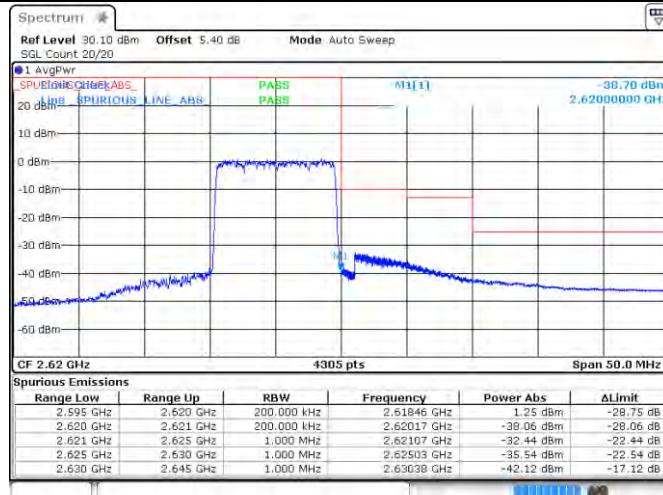


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Date: 11.NOV 2019 01:20:30

Band38_10MHz_64QAM_38200_50RB#0

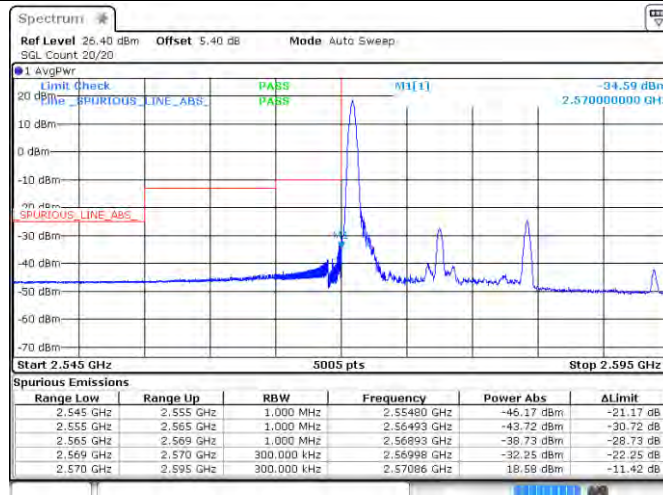


Date: 11.NOV 2019 01:18:15

Band38_15MHz_QPSK_37825_1RB#0

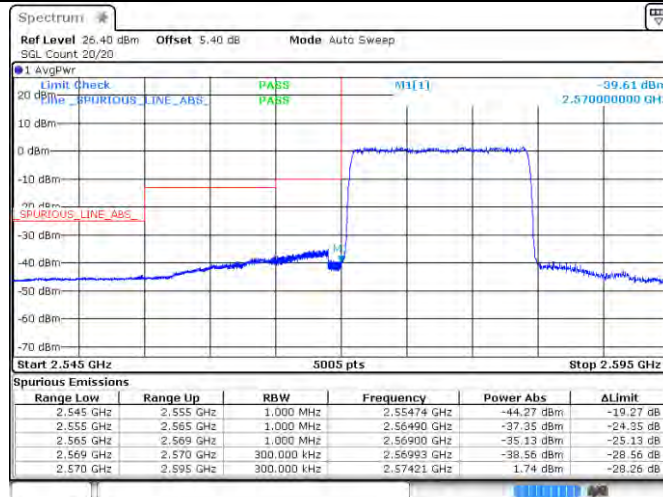


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Date: 11.NOV 2019 01:24:02

Band38_15MHz_QPSK_37825_75RB#0

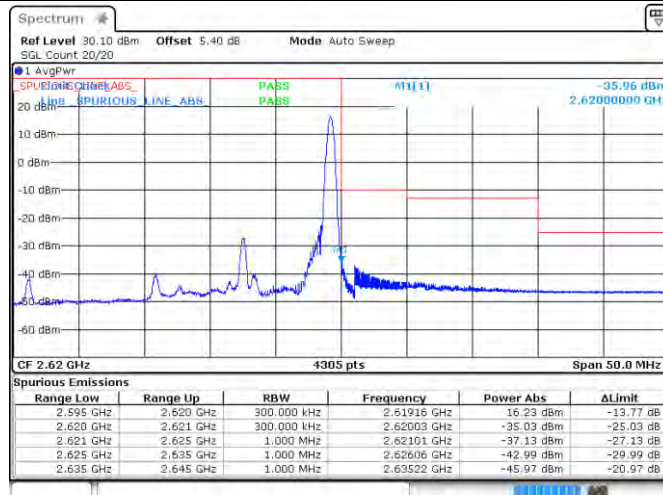


Date: 11.NOV 2019 01:24:48

Band38_15MHz_QPSK_38175_1RB#74

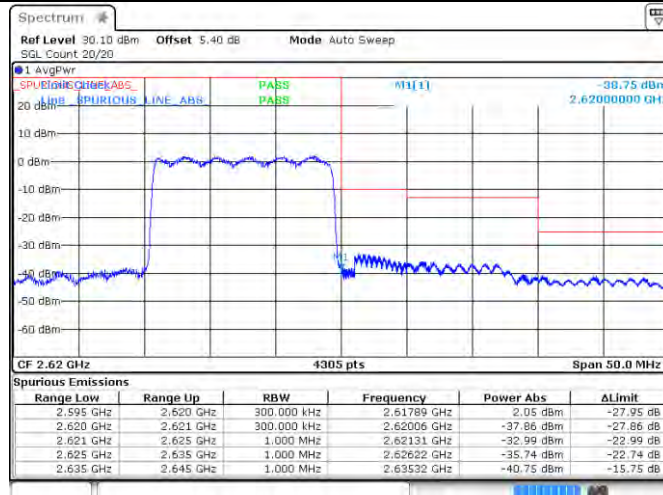


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Date: 11.NOV 2019 01:26:51

Band38_15MHz_QPSK_38175_75RB#0

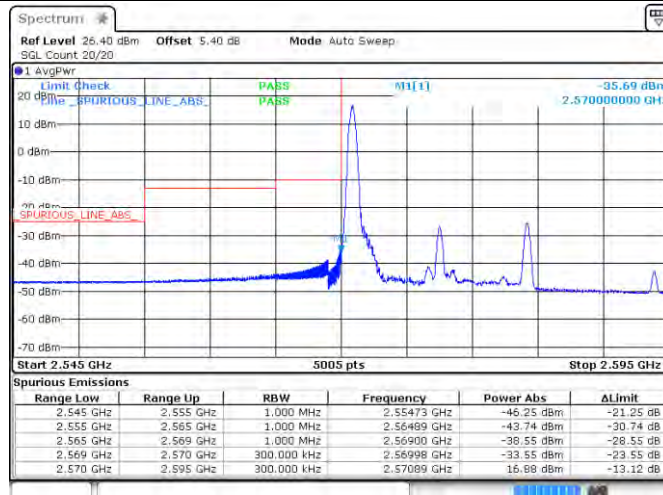


Date: 11.NOV 2019 01:25:52

Band38_15MHz_16QAM_37825_1RB#0

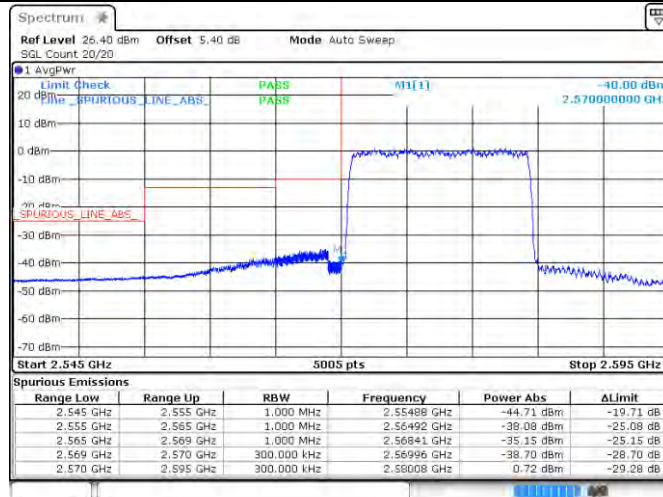


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Date: 11.NOV 2019 01:24:16

Band38_15MHz_16QAM_37825_75RB#0

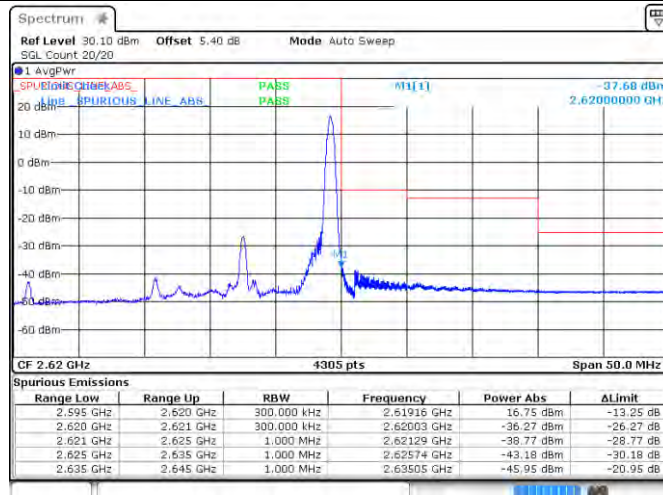


Date: 11.NOV 2019 01:24:32

Band38_15MHz_16QAM_38175_1RB#74

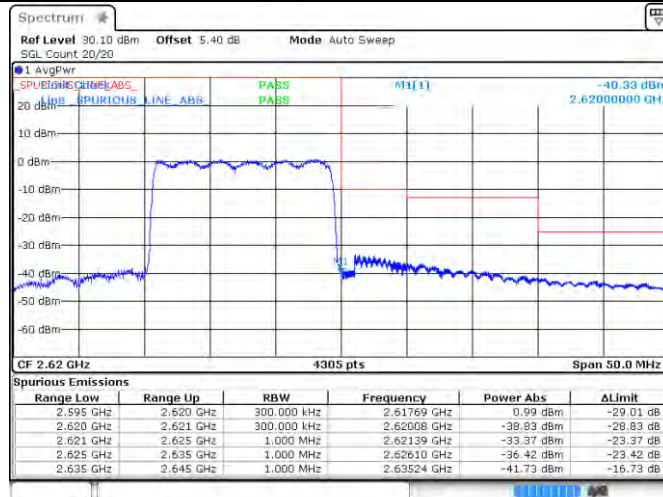


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Date: 11.NOV 2019 01:26:37

Band38_15MHz_16QAM_38175_75RB#0

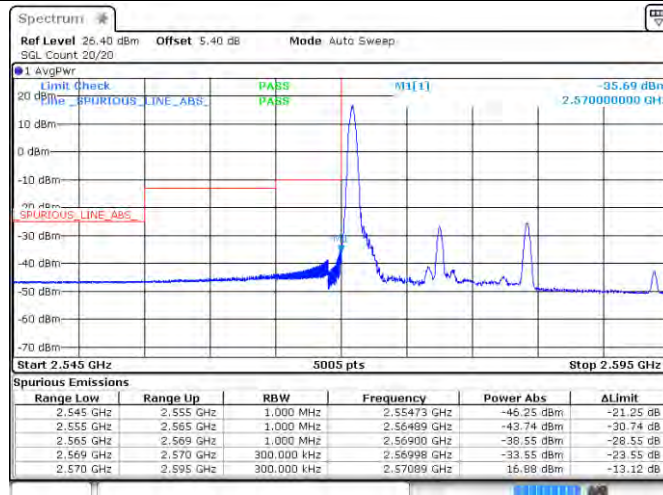


Date: 11.NOV 2019 01:26:09

Band38_15MHz_64QAM_37825_1RB#0

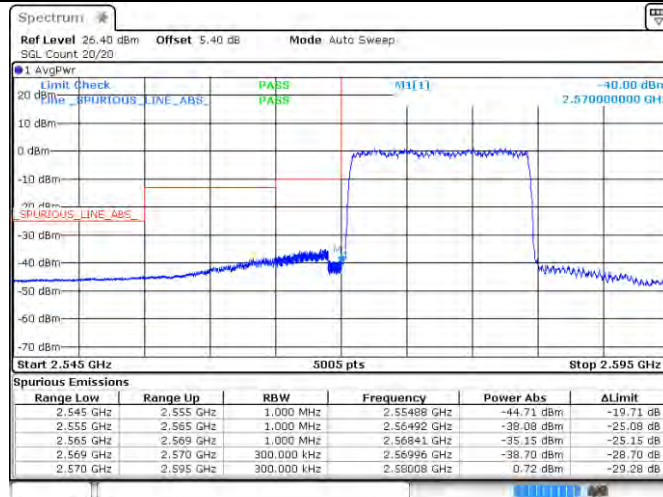


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Date: 11.NOV 2019 01:24:16

Band38_15MHz_64QAM_37825_75RB#0

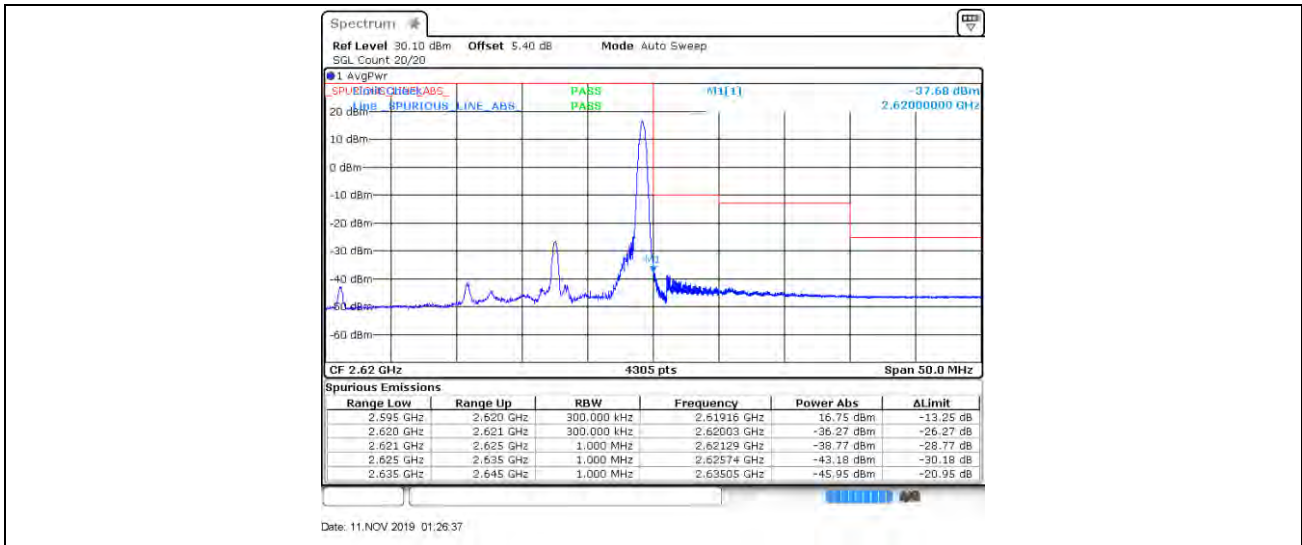


Date: 11.NOV 2019 01:24:32

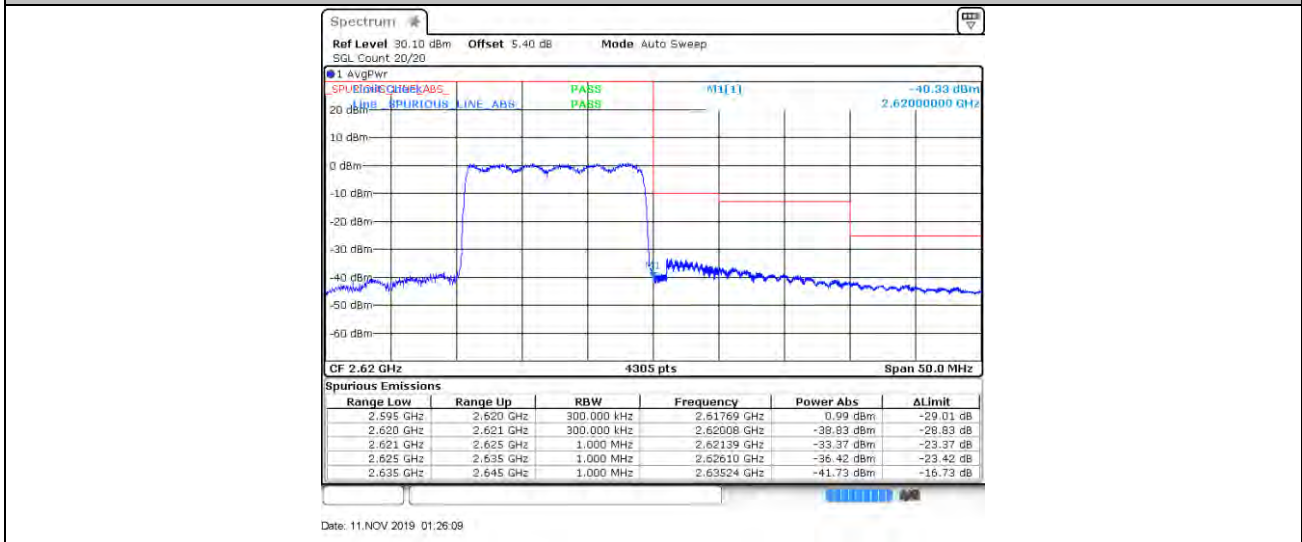
Band38_15MHz_64QAM_38175_1RB#74



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Band38_15MHz_64QAM_38175_75RB#0



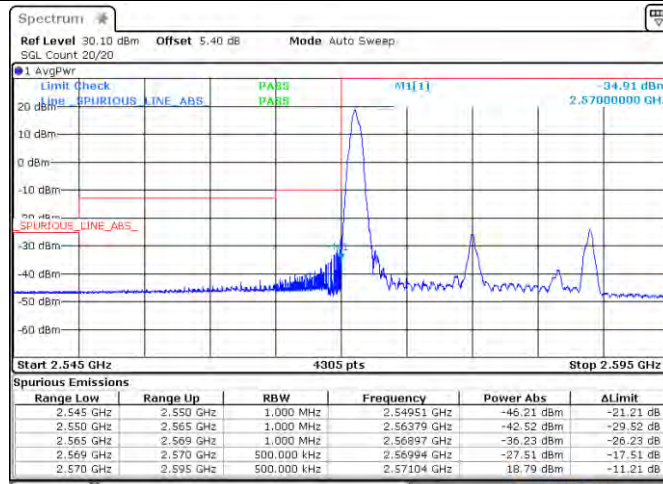
Band38_20MHz_QPSK_37850_1RB#0



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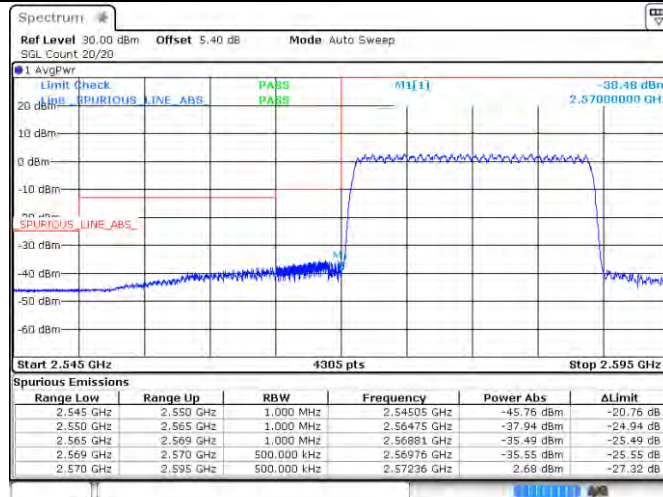
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Date: 11.NOV 2019 01:32:18

Band38_20MHz_QPSK_37850_100RB#0

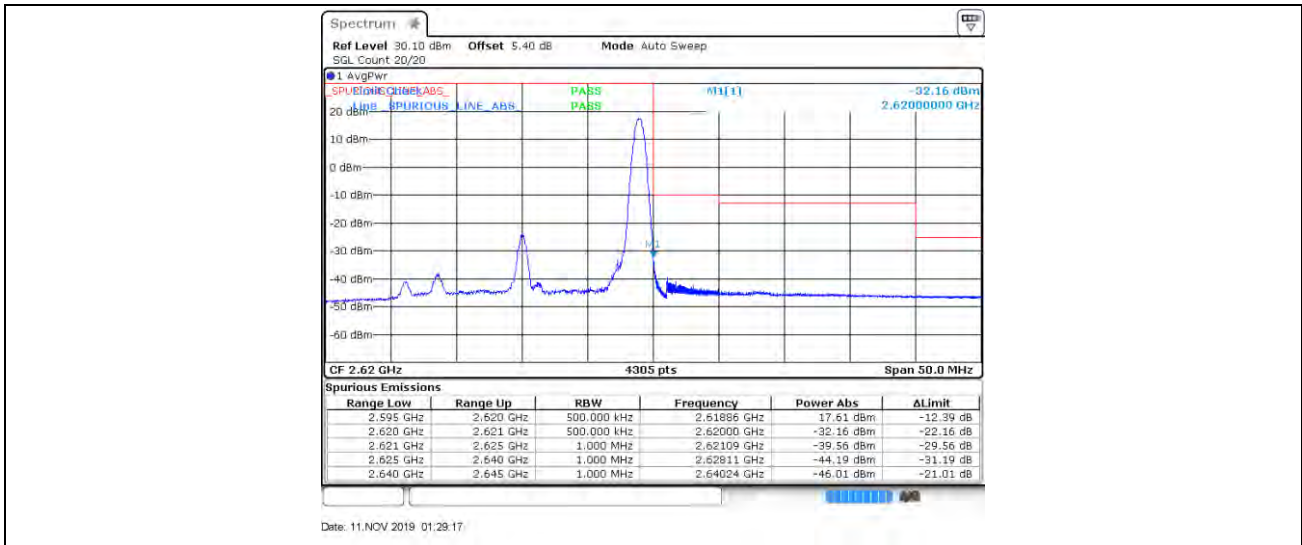


Date: 11.NOV 2019 01:31:00

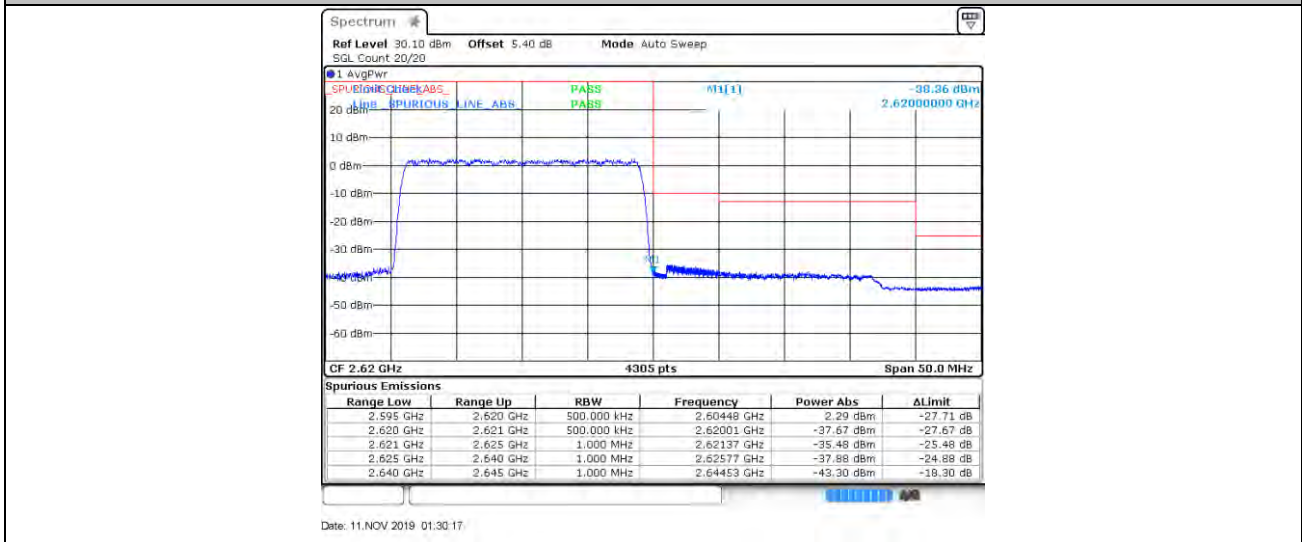
Band38_20MHz_QPSK_38150_1RB#99



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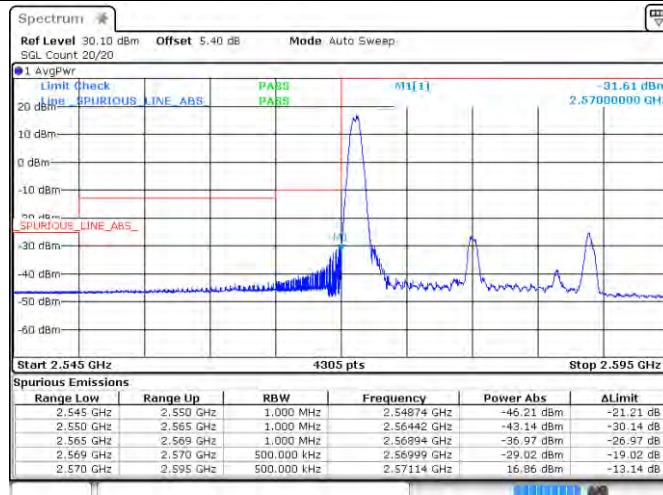
Band38_20MHz_QPSK_38150_100RB#0



Band38_20MHz_16QAM_37850_1RB#0

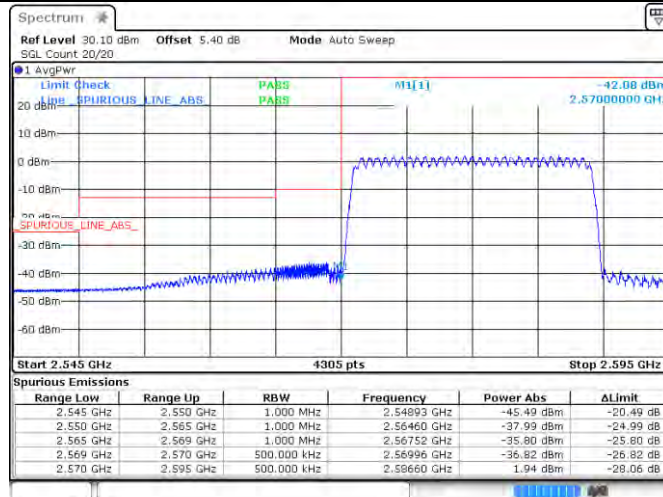


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Date: 11.NOV 2019 01:32:00

Band38_20MHz_16QAM_37850_100RB#0

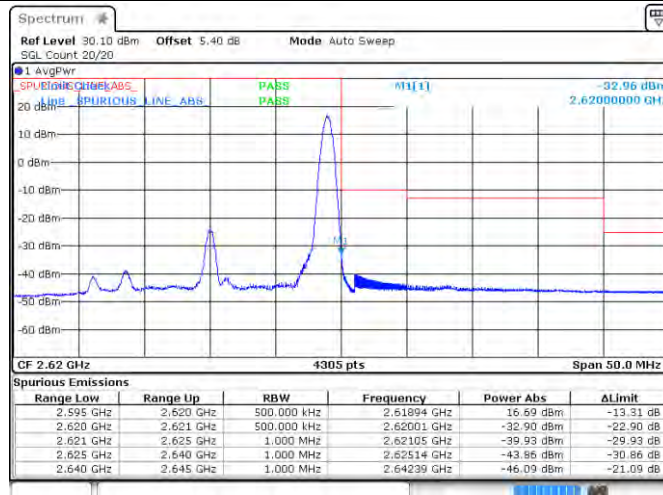


Date: 11.NOV 2019 01:31:38

Band38_20MHz_16QAM_38150_1RB#99

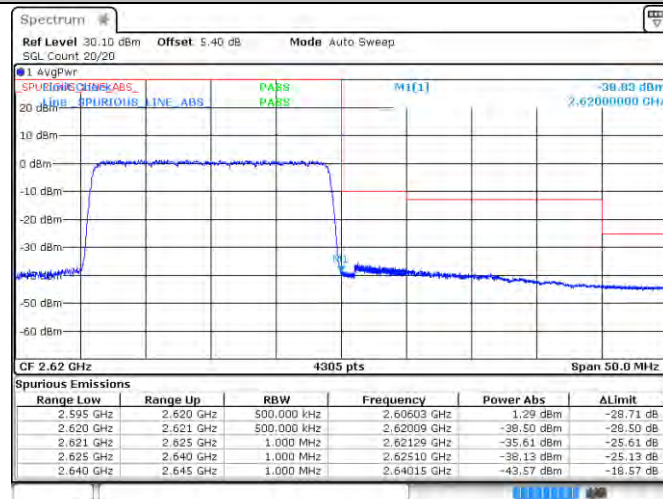


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Date: 11.NOV.2019 01:29:34

Band38_20MHz_16QAM_38150_100RB#0

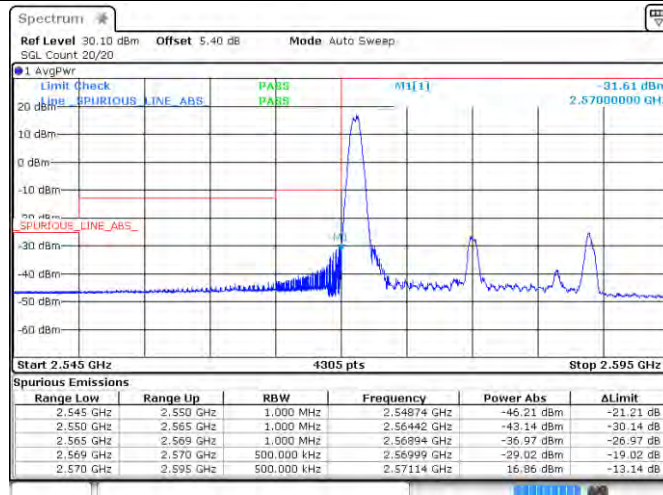


Date: 11.NOV.2019 01:29:56

Band38_20MHz_64QAM_37850_1RB#0

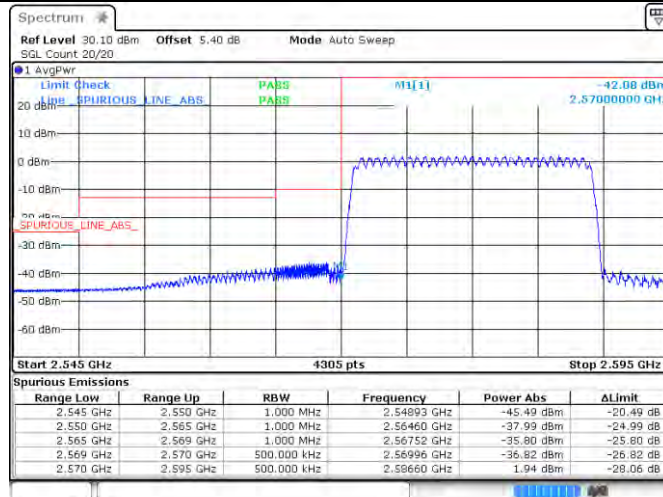


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Date: 11.NOV 2019 01:32:00

Band38_20MHz_64QAM_37850_100RB#0

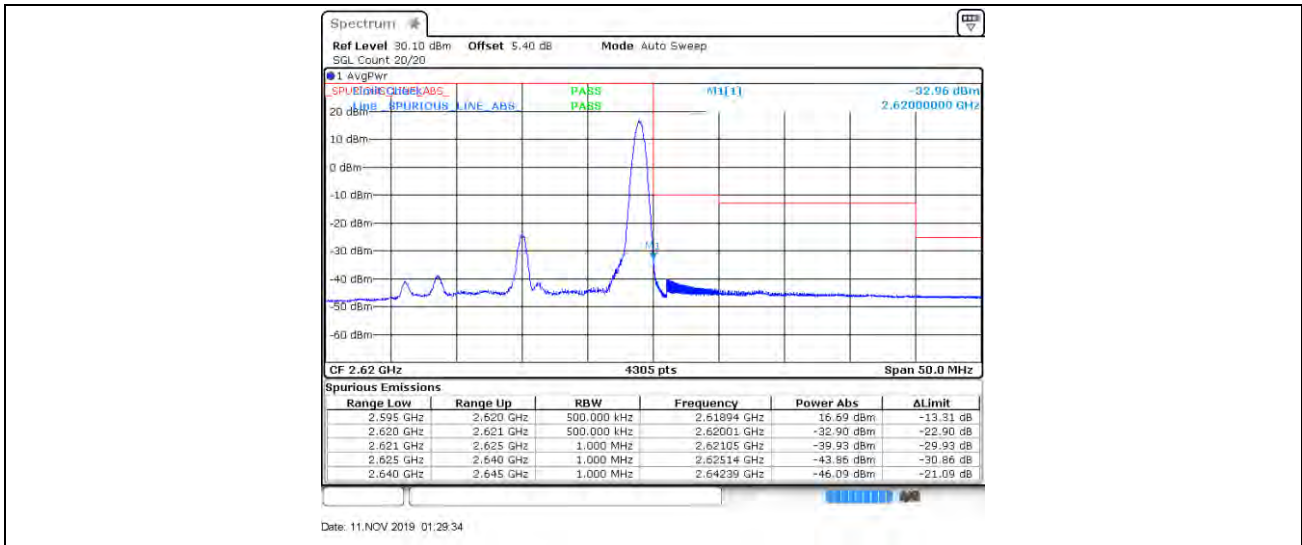


Date: 11.NOV 2019 01:31:38

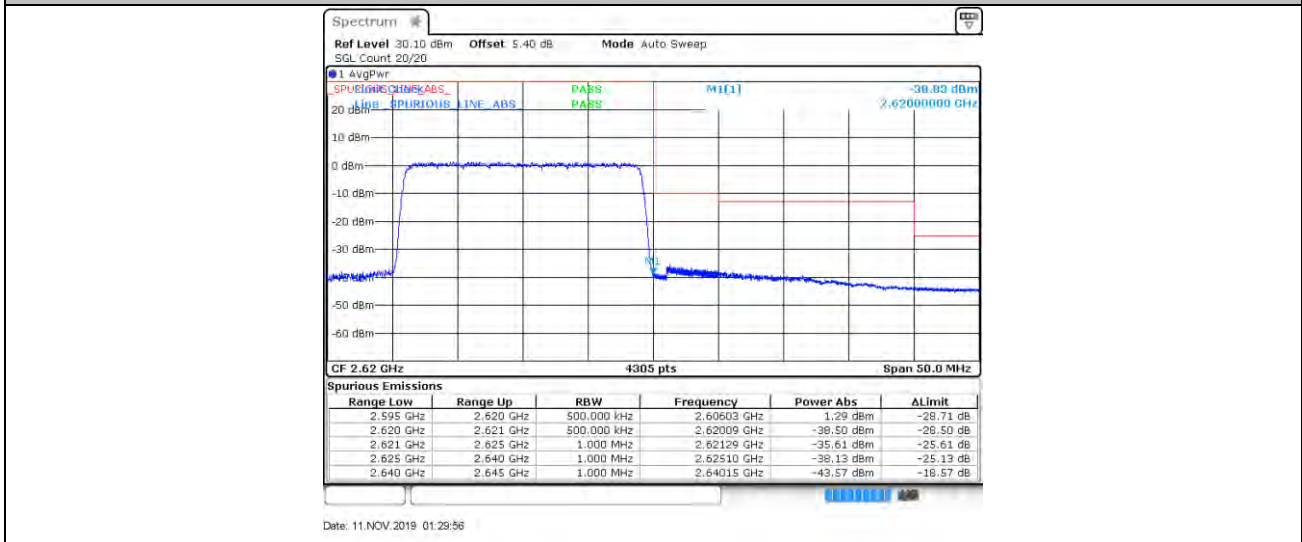
Band38_20MHz_64QAM_38150_1RB#99



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Band38_20MHz_64QAM_38150_100RB#0



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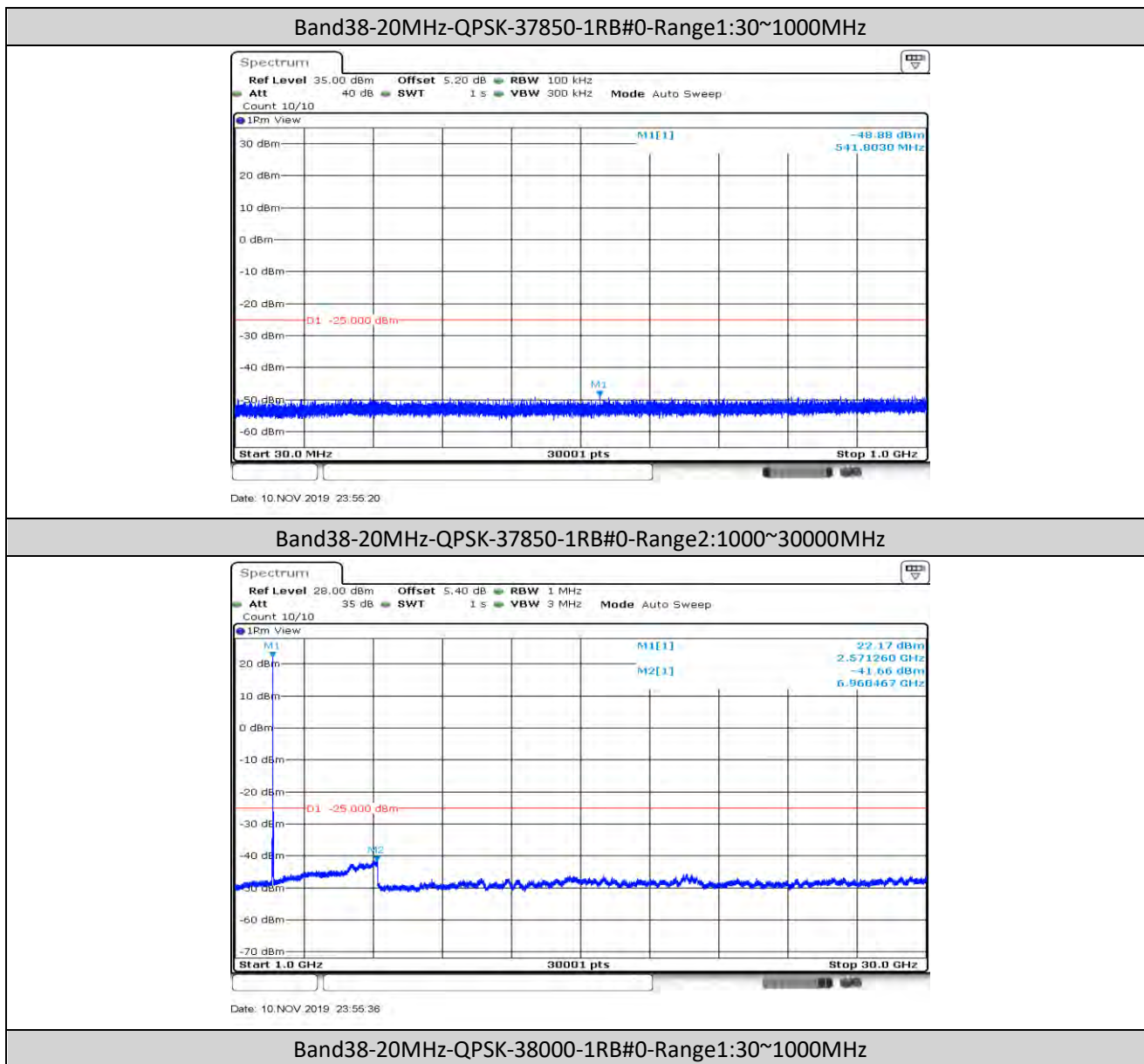


6. Spurious Emission at Antenna Terminal

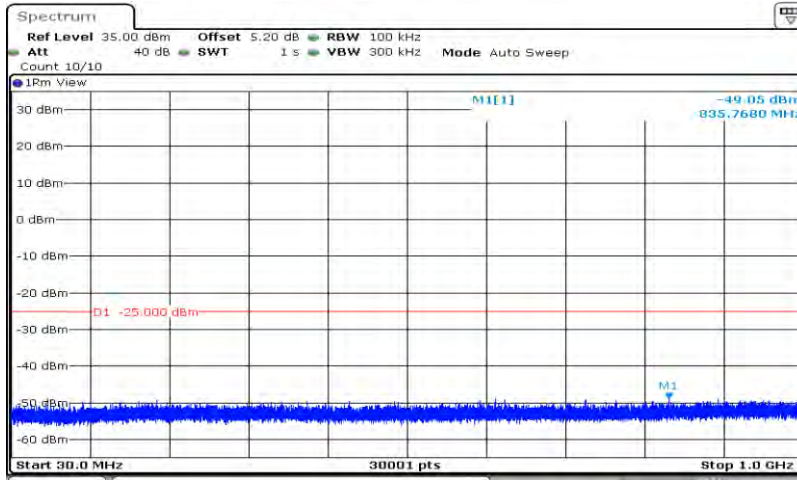
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =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

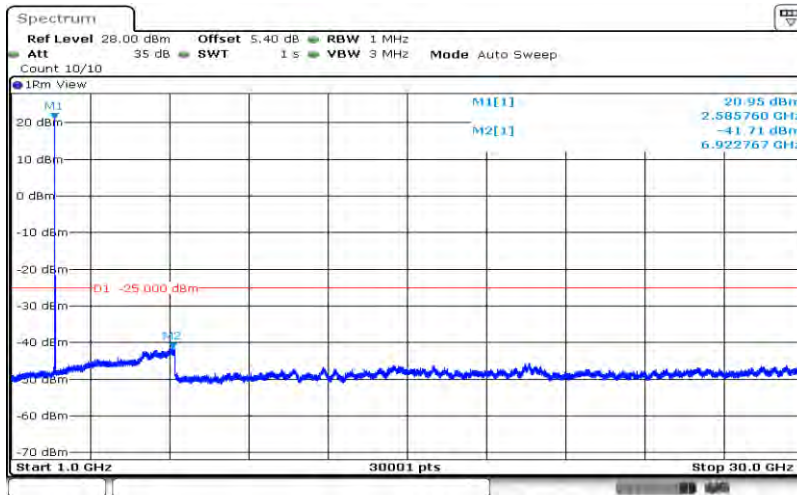


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Date: 10.NOV.2019 23:56:26

Band38-20MHz-QPSK-38000-1RB#0-Range2:100~30000MHz

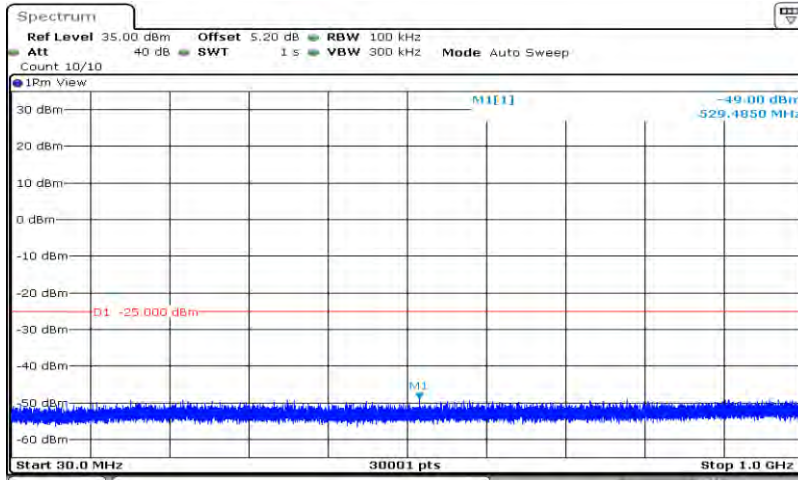


Date: 10.NOV.2019 23:56:42

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

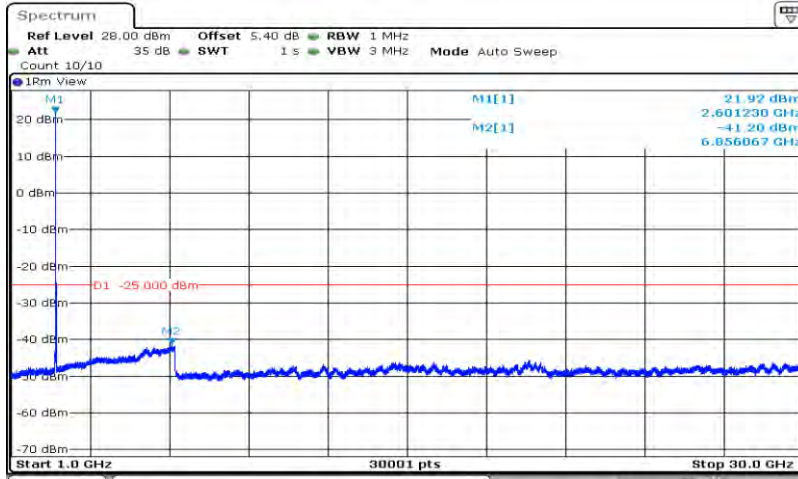


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Date: 10.NOV.2019 23:57:32

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

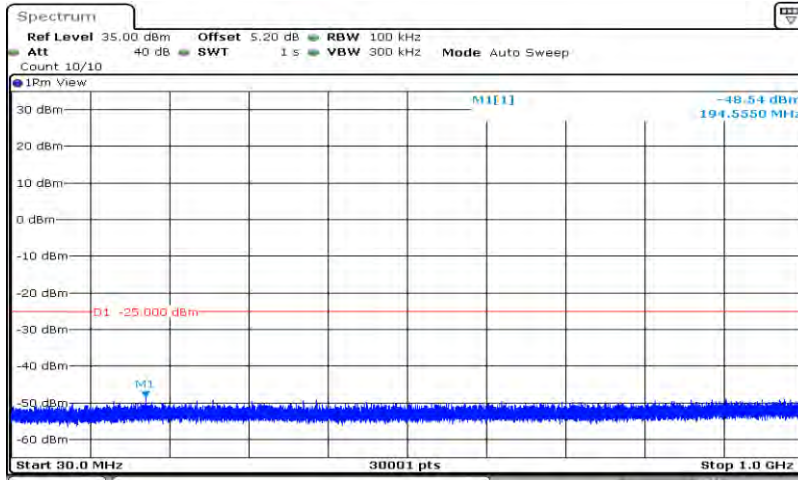


Date: 10.NOV.2019 23:57:48

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

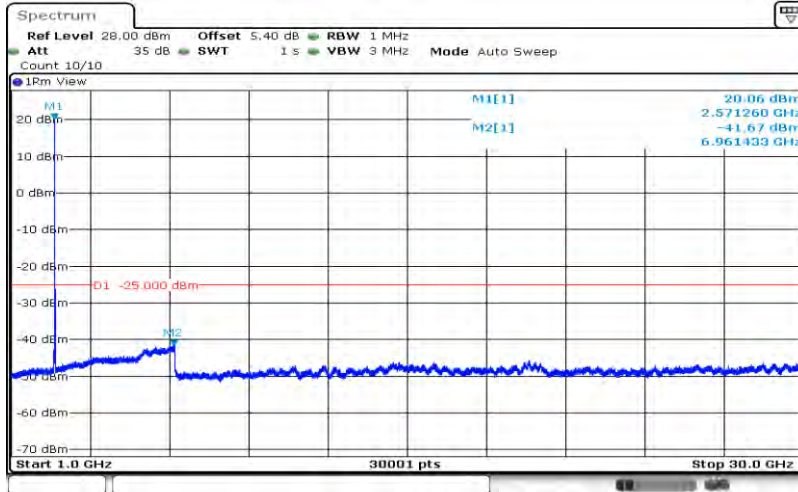


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Date: 28.NOV.2019 19:36:59

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

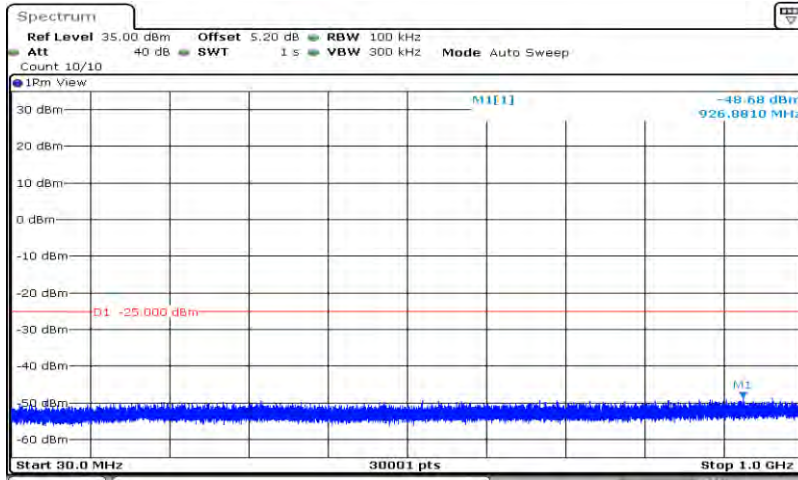


Date: 28.NOV.2019 19:37:16

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

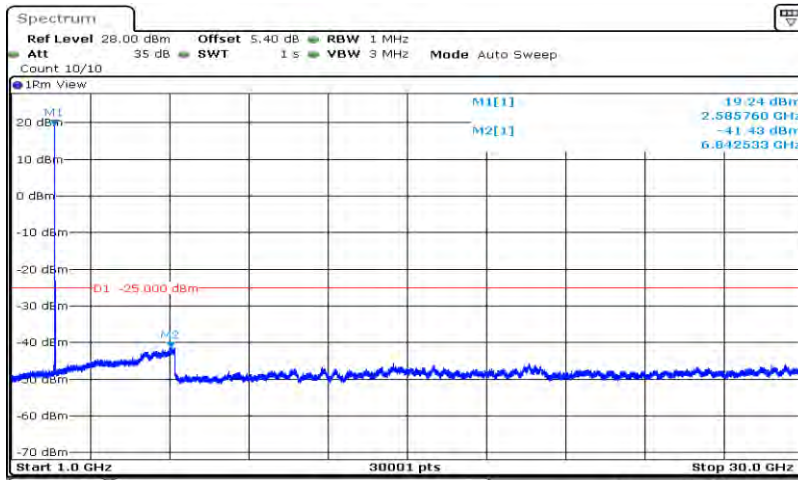


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Date: 28.NOV.2019 19:37:34

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

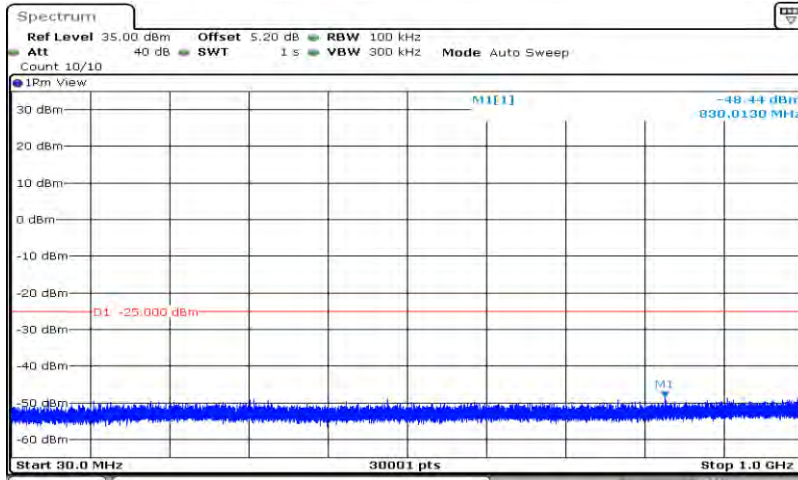


Date: 28.NOV.2019 19:37:51

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

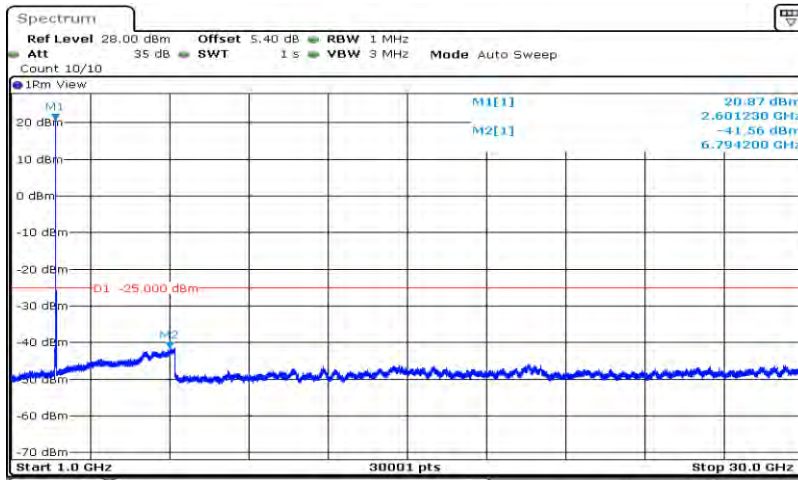


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Date: 28.NOV.2019 19:38:09

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

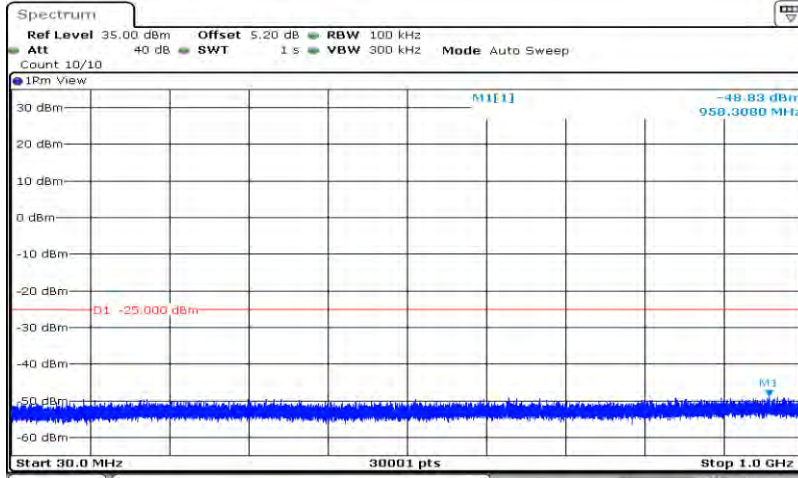


Date: 28.NOV.2019 19:38:26

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

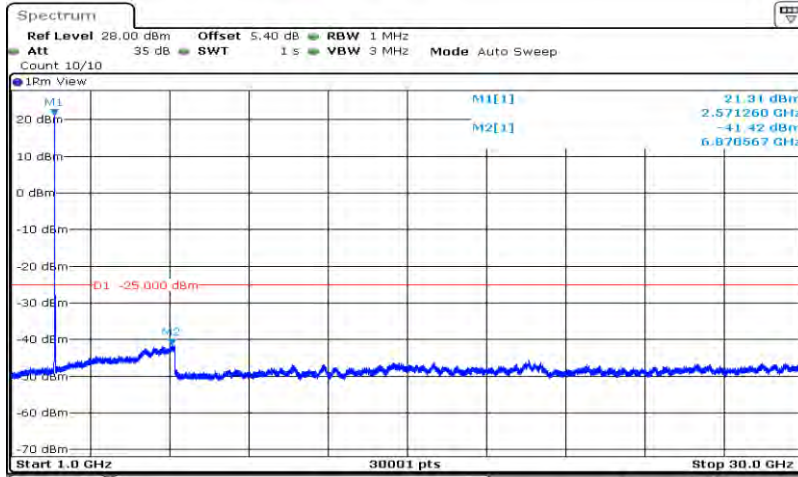


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Date: 10.NOV.2019 23:55:52

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

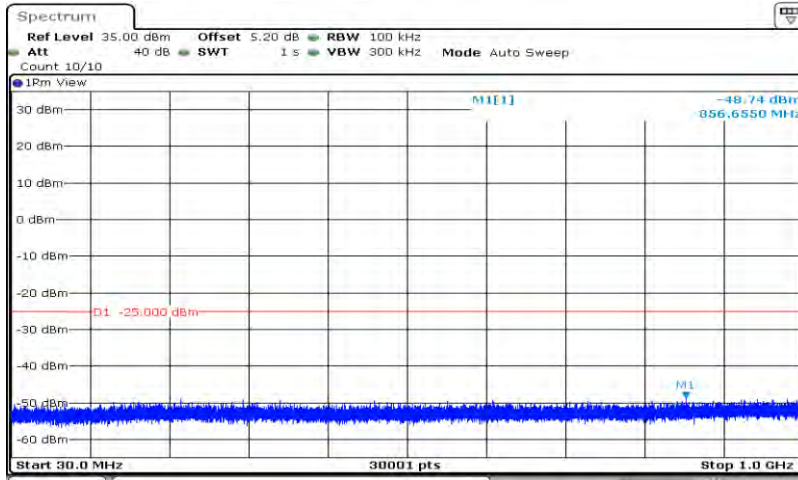


Date: 10.NOV.2019 23:56:08

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

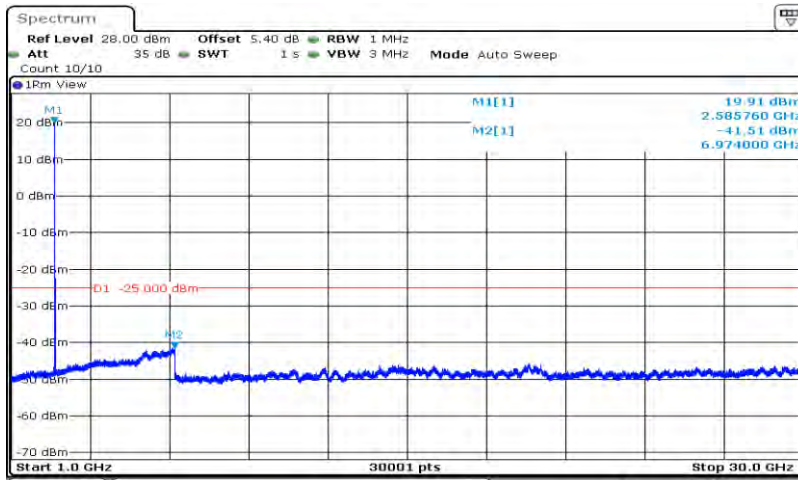


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Date: 10.NOV.2019 23:56:58

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

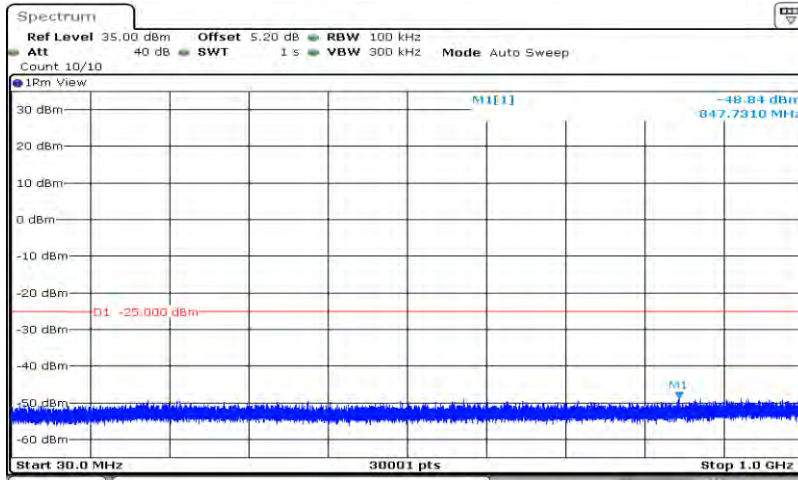


Date: 10.NOV.2019 23:57:14

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

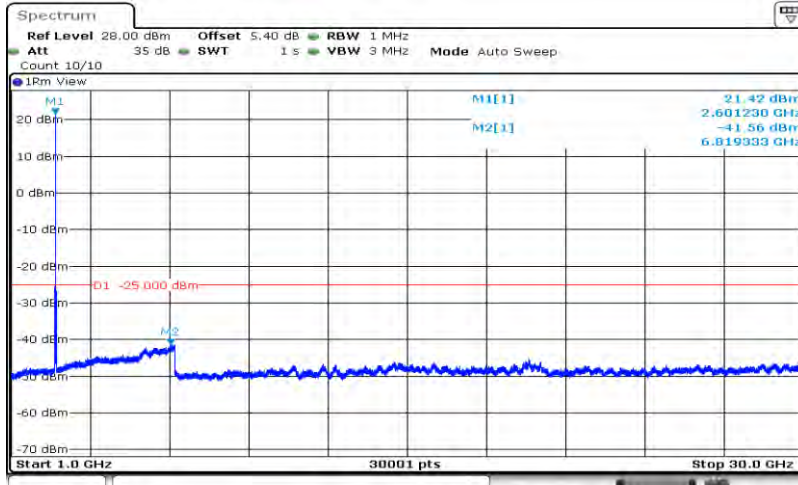


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Date: 10.NOV.2019 23:58:04

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



Date: 10.NOV.2019 23:58:21



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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
113.9577	-64.07	-25.00	39.07	Vertical
238.1239	-67.94	-25.00	42.94	Vertical
720.9170	-61.41	-25.00	36.41	Vertical
4064.0355	-55.59	-25.00	30.59	Vertical
5142.0714	-54.63	-25.00	29.63	Vertical
17997.4999	-35.35	-25.00	10.35	Vertical
44.8417	-63.78	-25.00	38.78	Horizontal
238.1724	-65.12	-25.00	40.12	Horizontal
1795.7592	-43.41	-25.00	18.41	Horizontal
4064.0355	-57.43	-25.00	32.43	Horizontal
5142.0714	-54.83	-25.00	29.83	Horizontal
16399.9467	-38.56	-25.00	13.56	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
66.6678	-66.68	-25.00	41.68	Vertical
108.8164	-64.85	-25.00	39.85	Vertical
1237.2474	-47.89	-25.00	22.89	Vertical
4064.0355	-56.28	-25.00	31.28	Vertical
7758.1586	-50.69	-25.00	25.69	Vertical
17960.9987	-35.45	-25.00	10.45	Vertical
42.1256	-63.51	-25.00	38.51	Horizontal
238.1724	-65.53	-25.00	40.53	Horizontal
1210.8422	-48.42	-25.00	23.42	Horizontal
5172.0724	-55.25	-25.00	30.25	Horizontal
8773.1924	-51.18	-25.00	26.18	Horizontal
16397.4466	-38.27	-25.00	13.27	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
66.6678	-65.88	-25.00	40.88	Vertical
110.2230	-64.56	-25.00	39.56	Vertical
238.1724	-67.25	-25.00	42.25	Vertical
4064.0355	-55.97	-25.00	30.97	Vertical
7803.6601	-47.37	-25.00	22.37	Vertical
17998.5000	-35.24	-25.00	10.24	Vertical
43.1927	-63.57	-25.00	38.57	Horizontal
238.1724	-65.33	-25.00	40.33	Horizontal
640.4030	-62.55	-25.00	37.55	Horizontal
5202.5734	-54.29	-25.00	29.29	Horizontal
7803.1601	-50.40	-25.00	25.40	Horizontal
16397.9466	-38.63	-25.00	13.63	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	-18.90	-0.007326	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VN	NT	-22.13	-0.008578	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VH	NT	-17.22	-0.006674	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-20.30	-0.007823	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-26.26	-0.010119	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-22.50	-0.008671	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VL	NT	-13.93	-0.005337	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VN	NT	-20.59	-0.007889	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VH	NT	-13.89	-0.005322	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VL	NT	-11.00	-0.004264	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VN	NT	-11.50	-0.004457	±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	3.80	0.001464	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VH	NT	-4.10	-0.001580	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VL	NT	-0.70	-0.000268	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VN	NT	7.00	0.002682	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VH	NT	2.60	0.000996	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VL	NT	-17.38	-0.006736	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VN	NT	-20.61	-0.007988	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VH	NT	-16.82	-0.006519	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VL	NT	-21.97	-0.008466	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VN	NT	-49.07	-0.018909	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VH	NT	-22.53	-0.008682	±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	-14.88	-0.005701	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VH	NT	-15.34	-0.005877	±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
Band38	20MHz	QPSK	37850	100RB#0	NV	-30	-19.08	-0.007395	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-20	-15.48	-0.006000	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	0	-18.32	-0.007101	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	10	-18.54	-0.007186	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	20	-15.85	-0.006143	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	30	-16.75	-0.006492	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	40	-19.83	-0.007686	±2.5	PASS



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Band38	20MHz	QPSK	37850	100RB#0	NV	50	-25.66	-0.009946	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-20.71	-0.007981	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	-19.47	-0.007503	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	-21.14	-0.008146	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-20.74	-0.007992	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	-23.57	-0.009083	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-21.56	-0.008308	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-21.46	-0.008270	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	-24.02	-0.009256	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-30	-16.89	-0.006471	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-20	-14.91	-0.005713	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	0	-18.61	-0.007130	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	10	-14.83	-0.005682	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	20	-14.68	-0.005625	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	30	-19.33	-0.007406	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	40	-14.45	-0.005536	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	50	-13.95	-0.005345	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-30	-4.20	-0.001628	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-20	-18.10	-0.007016	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	0	-14.10	-0.005465	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	10	-12.50	-0.004845	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	20	-1.50	-0.000581	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	30	-2.10	-0.000814	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	40	-12.90	-0.005000	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	50	-1.10	-0.000426	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-30	-10.00	-0.003854	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-20	-8.00	-0.003083	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	0	2.50	0.000963	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	10	-1.10	-0.000424	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	20	-2.00	-0.000771	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	30	-14.00	-0.005395	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	40	2.60	0.001002	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	50	-5.60	-0.002158	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-30	-5.00	-0.001916	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-20	-0.20	-0.000077	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	0	-7.40	-0.002835	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	10	-0.20	-0.000077	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	20	-0.70	-0.000268	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	30	-7.60	-0.002912	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	40	-5.10	-0.001954	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	50	0.50	0.000192	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-30	-23.53	-0.009120	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-20	-18.44	-0.007147	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	0	-17.91	-0.006942	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	10	-16.18	-0.006271	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	20	-19.30	-0.007481	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	30	-20.73	-0.008035	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	40	-15.31	-0.005934	±2.5	PASS



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Band38	20MHz	16QAM	37850	100RB#0	NV	50	-18.65	-0.007229	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-30	-21.92	-0.008447	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-20	-22.50	-0.008671	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	0	-16.89	-0.006509	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	10	-20.93	-0.008066	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	20	-19.61	-0.007557	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	30	-21.40	-0.008247	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	40	-25.81	-0.009946	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	50	-19.44	-0.007491	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-30	-15.64	-0.005992	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-20	-13.28	-0.005088	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	0	-17.64	-0.006759	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	10	-14.93	-0.005720	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	20	-14.58	-0.005586	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	30	-14.58	-0.005586	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	40	-14.52	-0.005563	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	50	-16.25	-0.006226	±2.5	PASS



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