



Appendix B

E-UTRA Band 38



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1. Effective (Isotropic) Radiated Power

1.1. Test Result

Main Antenna

BAND	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	22.61	22.51	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	22.40	22.30	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.52	22.42	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	21.67	21.57	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	21.59	21.49	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	21.59	21.49	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	21.67	21.57	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.52	22.42	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	22.61	22.51	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	22.57	22.47	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.52	21.42	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	21.56	21.46	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.72	21.62	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	21.61	21.51	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.63	22.53	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	22.60	22.50	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.60	22.50	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.60	21.50	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.56	21.46	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.54	21.44	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.62	21.52	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	20.50	20.40	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	20.39	20.29	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	20.41	20.31	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#0	19.59	19.49	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#6	19.56	19.46	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#13	19.65	19.55	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	19.70	19.60	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	20.40	20.30	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	20.45	20.35	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	20.46	20.36	33.00	PASS



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Band38	5MHz	64QAM	38000	12RB#0	19.60	19.50	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#6	19.58	19.48	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#13	19.58	19.48	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	19.67	19.57	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	20.45	20.35	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	20.31	20.21	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	20.50	20.40	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#0	19.62	19.52	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#6	19.51	19.41	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#13	19.52	19.42	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	19.64	19.54	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.30	21.20	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.15	21.05	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.17	21.07	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.73	20.63	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.65	20.55	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.74	20.64	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.66	20.56	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.18	21.08	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.31	21.21	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.22	21.12	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.71	20.61	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.68	20.58	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.68	20.58	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.65	20.55	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.28	21.18	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.30	21.20	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.25	21.15	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.68	20.58	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.62	20.52	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.62	20.52	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.61	20.51	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.66	22.56	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.34	22.24	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.67	22.57	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.66	21.56	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.56	21.46	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#25	21.59	21.49	33.00	PASS



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Band38	10MHz	QPSK	37800	50RB#0	21.69	21.59	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.62	22.52	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.42	22.32	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.58	22.48	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#0	21.66	21.56	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.56	21.46	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.54	21.44	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.50	21.40	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.77	22.67	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.48	22.38	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.63	22.53	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.68	21.58	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.53	21.43	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.57	21.47	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.76	21.66	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	20.61	20.51	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	20.30	20.20	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#49	20.55	20.45	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#0	19.74	19.64	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#12	19.57	19.47	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#25	19.56	19.46	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	19.68	19.58	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	20.48	20.38	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	20.33	20.23	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	20.47	20.37	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#0	19.76	19.66	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#12	19.65	19.55	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#25	19.50	19.40	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	19.51	19.41	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	20.69	20.59	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	20.18	20.08	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	20.51	20.41	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#0	19.51	19.41	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#12	19.53	19.43	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#25	19.67	19.57	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	19.71	19.61	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	21.39	21.29	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	20.98	20.88	33.00	PASS



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Band38	10MHz	16QAM	37800	25RB#0	20.68	20.58	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.66	20.56	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.70	20.6	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.67	20.57	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.25	21.15	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.00	20.90	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.22	21.12	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.72	20.62	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.65	20.55	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.60	20.5	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.64	20.54	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.46	21.36	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	20.93	20.83	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.25	21.15	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.48	20.38	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.61	20.51	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.56	20.46	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.68	20.58	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.67	22.57	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.62	22.52	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.71	22.61	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#0	21.65	21.55	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#18	21.55	21.45	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#39	21.63	21.53	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	21.71	21.61	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.63	22.53	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.57	22.47	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.57	22.47	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#0	21.74	21.64	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#18	21.60	21.50	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#39	21.47	21.37	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.55	21.45	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.70	22.60	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.56	22.46	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.69	22.59	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#0	21.71	21.61	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#18	21.58	21.48	33.00	PASS



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Band38	15MHz	QPSK	38175	75RB#0	21.66	21.56	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	20.69	20.59	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	20.70	20.60	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	20.71	20.61	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#0	19.75	19.65	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#18	19.54	19.44	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#39	19.59	19.49	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	19.68	19.58	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	20.64	20.54	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	20.70	20.60	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	20.60	20.50	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#0	19.72	19.62	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#18	19.67	19.57	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#39	19.61	19.51	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	19.76	19.66	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	20.74	20.64	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	20.58	20.48	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	20.68	20.58	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#0	19.77	19.67	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#18	19.63	19.53	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#39	19.64	19.54	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	19.64	19.54	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	21.61	21.51	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	21.66	21.56	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.69	21.59	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#0	20.72	20.62	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#18	20.53	20.43	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#39	20.58	20.48	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.70	20.60	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.59	21.49	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.66	21.56	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.57	21.47	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#0	20.74	20.64	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#18	20.64	20.54	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#39	20.62	20.52	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.77	20.67	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.70	21.60	33.00	PASS



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Band38	15MHz	16QAM	38175	1RB#38	21.54	21.44	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.63	21.53	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#0	20.78	20.68	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#18	20.62	20.52	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#39	20.70	20.60	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.69	20.59	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.66	22.56	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.38	22.28	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.87	22.77	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	21.65	21.55	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.55	21.45	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.79	21.69	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.63	21.53	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.72	22.62	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.54	22.44	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.80	22.70	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.78	21.68	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#25	21.59	21.49	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.59	21.49	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.81	21.71	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.76	22.66	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	22.34	22.24	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.89	22.79	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.65	21.55	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.58	21.48	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.50	21.40	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.73	21.63	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	20.71	20.61	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	20.41	20.31	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	20.84	20.74	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#0	19.75	19.65	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#25	19.52	19.42	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#50	19.74	19.64	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	19.58	19.48	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	20.70	20.60	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	20.55	20.45	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	20.79	20.69	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#0	19.78	19.68	33.00	PASS



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Band38	20MHz	64QAM	38000	50RB#25	19.68	19.58	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#50	19.55	19.45	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	19.75	19.65	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	20.73	20.63	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#49	20.59	20.49	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	20.84	20.74	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#0	19.71	19.61	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#25	19.64	19.54	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#50	19.71	19.61	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	19.68	19.58	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.65	21.55	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.40	21.30	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.82	21.72	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.75	20.65	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	20.51	20.41	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.73	20.63	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.60	20.50	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.67	21.57	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.52	21.42	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.77	21.67	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.77	20.67	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.72	20.62	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.79	20.69	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.79	20.69	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.69	21.59	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.57	21.47	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.80	21.70	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.78	20.68	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.63	20.53	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.70	20.60	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.73	20.63	33.00	PASS



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Secondary Antenna

BAND	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	22.76	21.46	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	22.67	21.37	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.61	21.31	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	21.80	20.50	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	21.75	20.45	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	21.77	20.47	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	21.82	20.52	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.68	21.38	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	22.65	21.35	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	22.61	21.31	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.70	20.40	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	21.65	20.35	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.54	20.24	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	21.68	20.38	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.75	21.45	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	22.63	21.33	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.59	21.29	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.78	20.48	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.74	20.44	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.60	20.30	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.69	20.39	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	20.95	19.65	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	20.78	19.48	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	20.71	19.41	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#0	19.74	18.44	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#6	19.73	18.43	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#13	19.90	18.6	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	19.73	18.43	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	20.71	19.41	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	20.79	19.49	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	20.74	19.44	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#0	19.66	18.36	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#6	19.72	18.42	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#13	19.65	18.35	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	19.67	18.37	33.00	PASS



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Band38	5MHz	64QAM	38225	1RB#0	20.83	19.53	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	20.75	19.45	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	20.75	19.45	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#0	19.77	18.47	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#6	19.73	18.43	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#13	19.65	18.35	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	19.68	18.38	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.19	20.89	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.02	20.72	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.94	20.64	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.70	19.40	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.64	19.34	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.81	19.51	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.66	19.36	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.92	20.62	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.02	20.72	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.99	20.69	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.62	19.32	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.62	19.32	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.57	19.27	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.62	19.32	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	22.08	20.78	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.99	20.69	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.95	20.65	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.73	19.43	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.63	19.33	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.59	19.29	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.64	19.34	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.86	21.56	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.69	21.39	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.63	21.33	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.93	20.63	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.76	20.46	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#25	21.78	20.48	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	21.74	20.44	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.67	21.37	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.62	21.32	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.63	21.33	33.00	PASS



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Band38	10MHz	QPSK	38000	25RB#0	21.79	20.49	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.73	20.43	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.55	20.25	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.69	20.39	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.75	21.45	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.59	21.29	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.64	21.34	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.82	20.52	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.76	20.46	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.57	20.27	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.79	20.49	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	20.96	19.66	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	20.73	19.43	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#49	20.67	19.37	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#0	19.96	18.66	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#12	19.78	18.48	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#25	19.86	18.56	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	19.63	18.33	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	20.77	19.47	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	20.52	19.22	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	20.75	19.45	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#0	19.69	18.39	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#12	19.72	18.42	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#25	19.62	18.32	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	19.63	18.33	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	21.02	19.72	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	20.58	19.28	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	20.77	19.47	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#0	19.83	18.53	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#12	19.74	18.44	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#25	19.55	18.25	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	19.72	18.42	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.16	20.86	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	21.97	20.67	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	21.91	20.61	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.91	19.61	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.70	19.40	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.76	19.46	33.00	PASS



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Band38	10MHz	16QAM	37800	50RB#0	20.57	19.27	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.98	20.68	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.76	20.46	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.99	20.69	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.59	19.29	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.63	19.33	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.54	19.24	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.59	19.29	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.24	20.94	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.81	20.51	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.99	20.69	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.75	19.45	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.70	19.40	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.50	19.20	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.68	19.38	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.85	21.55	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.74	21.44	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.74	21.44	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#0	21.84	20.54	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#18	21.75	20.45	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#39	21.69	20.39	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	21.89	20.59	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.72	21.42	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.82	21.52	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.71	21.41	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#0	21.73	20.43	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#18	21.68	20.38	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#39	21.60	20.30	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.68	20.38	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.77	21.47	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.65	21.35	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.72	21.42	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#0	21.90	20.60	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#18	21.75	20.45	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#39	21.60	20.30	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.77	20.47	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	20.88	19.58	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	20.77	19.47	33.00	PASS



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Band38	15MHz	64QAM	37825	1RB#74	20.71	19.41	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#0	19.88	18.58	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#18	19.77	18.47	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#39	19.72	18.42	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	19.89	18.59	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	20.78	19.48	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	20.97	19.67	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	20.76	19.46	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#0	19.74	18.44	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#18	19.74	18.44	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#39	19.67	18.37	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	19.72	18.42	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	20.86	19.56	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	20.88	19.58	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	20.84	19.54	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#0	19.93	18.63	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#18	19.87	18.57	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#39	20.00	18.70	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	19.88	18.58	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.13	20.83	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.01	20.71	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.96	20.66	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#0	20.81	19.51	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#18	20.68	19.38	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#39	20.68	19.38	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.85	19.55	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.98	20.68	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.19	20.89	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.99	20.69	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#0	20.65	19.35	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#18	20.67	19.37	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#39	20.58	19.28	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.62	19.32	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.09	20.79	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	22.12	20.82	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.08	20.78	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#0	20.88	19.58	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#18	20.77	19.47	33.00	PASS



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Band38	15MHz	16QAM	38175	36RB#39	20.91	19.61	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.78	19.48	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.79	21.49	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.59	21.29	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.85	21.55	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	21.88	20.58	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.71	20.41	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.75	20.45	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.75	20.45	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.72	21.42	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.47	21.17	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.83	21.53	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.77	20.47	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#25	21.68	20.38	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.60	20.30	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.76	20.46	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.70	21.40	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	22.69	21.39	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.87	21.57	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.84	20.54	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.85	20.55	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.70	20.40	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.93	20.63	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	20.96	19.66	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	20.86	19.56	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	20.94	19.64	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#0	19.86	18.56	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#25	19.84	18.54	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#50	19.78	18.48	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	19.68	18.38	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	20.83	19.53	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	20.76	19.46	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	20.94	19.64	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#0	19.68	18.38	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#25	19.61	18.31	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#50	19.56	18.26	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	19.69	18.39	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	20.90	19.60	33.00	PASS



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Band38	20MHz	64QAM	38150	1RB#49	20.74	19.44	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	21.01	19.71	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#0	19.83	18.53	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#25	19.81	18.51	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#50	19.64	18.34	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	19.87	18.57	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.16	20.86	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.62	20.32	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	22.14	20.84	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.79	19.49	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	20.79	19.49	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.68	19.38	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.63	19.33	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	22.08	20.78	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.67	20.37	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	22.20	20.90	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.64	19.34	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.57	19.27	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.52	19.22	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.65	19.35	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	22.12	20.82	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.68	20.38	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	22.24	20.94	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.74	19.44	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.75	19.45	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.60	19.30	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.77	19.47	33.00	PASS

Remark:

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

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

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



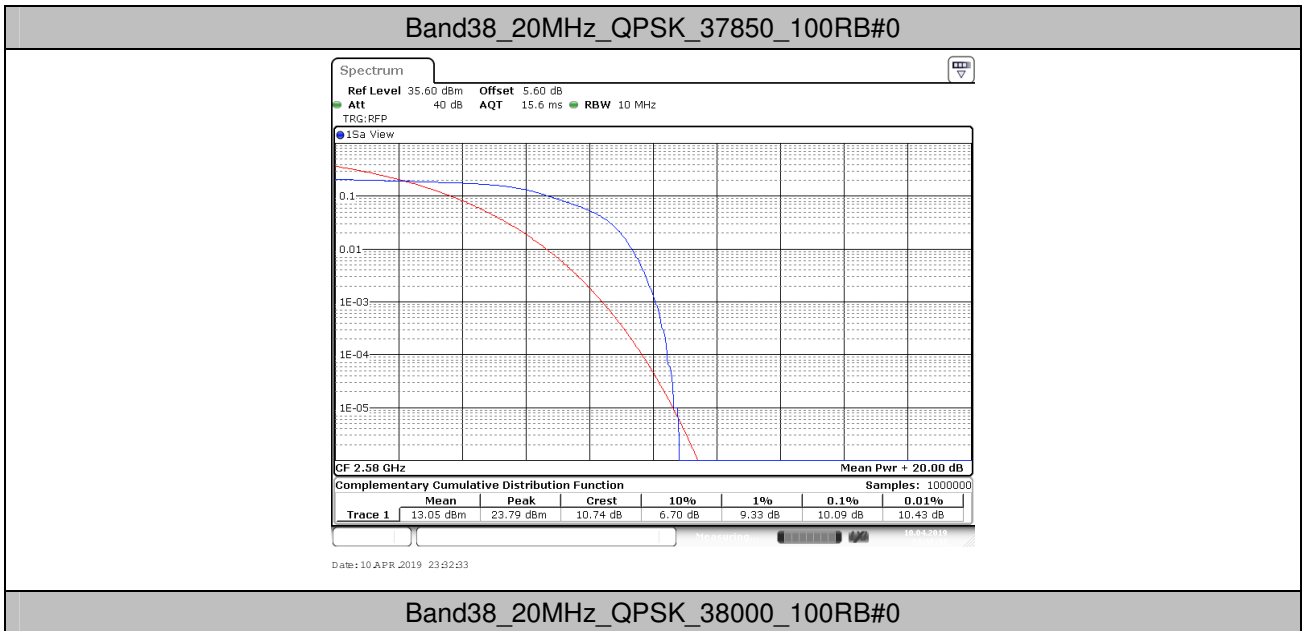
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2. Peak-to-Average Ratio(CCDF)

2.1. Test Result

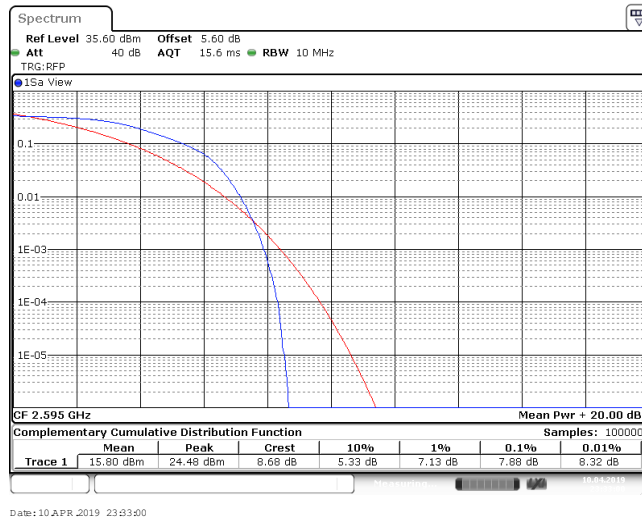
BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	10.09	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	7.88	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	7.88	13	PASS
Band38	20MHz	64QAM	37850	100RB#0	8.75	13	PASS
Band38	20MHz	64QAM	38000	100RB#0	9.65	13	PASS
Band38	20MHz	64QAM	38150	100RB#0	9.45	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.16	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.62	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.62	13	PASS

2.2. Test Plots



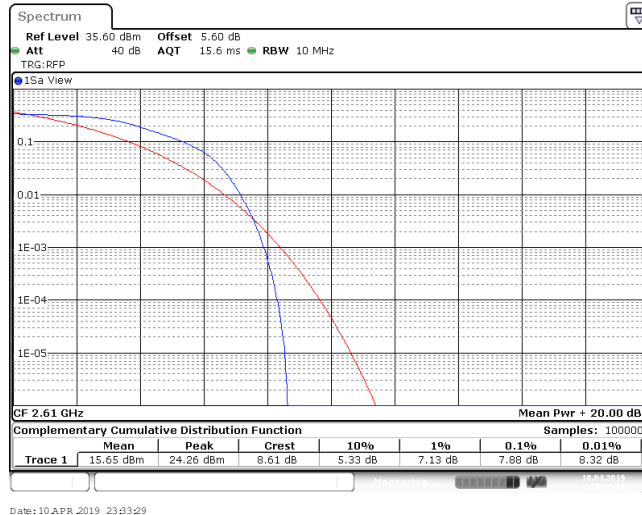
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Date: 10 APR.2019 23:53:20

Band38_20MHz_QPSK_38150_100RB#0

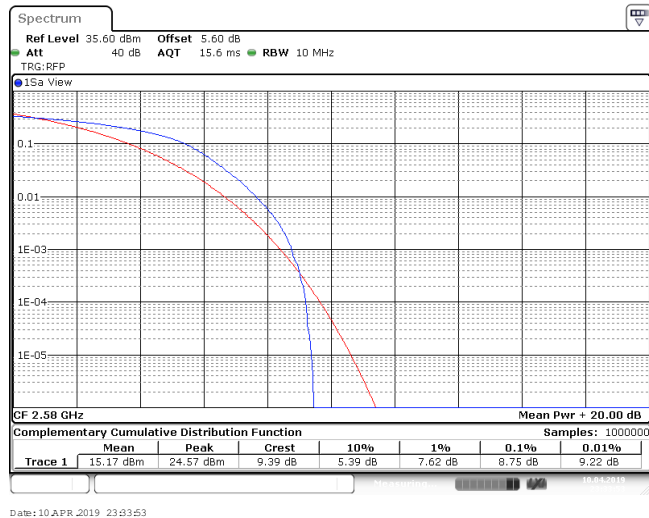


Date: 10 APR.2019 23:53:29

Band38_20MHz_64QAM_37850_100RB#0

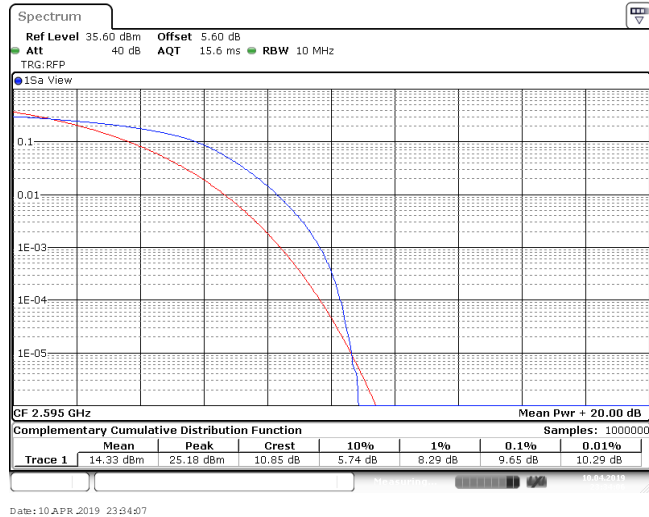


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Date: 10 APR.2019 23:03:53

Band38_20MHz_64QAM_38000_100RB#0



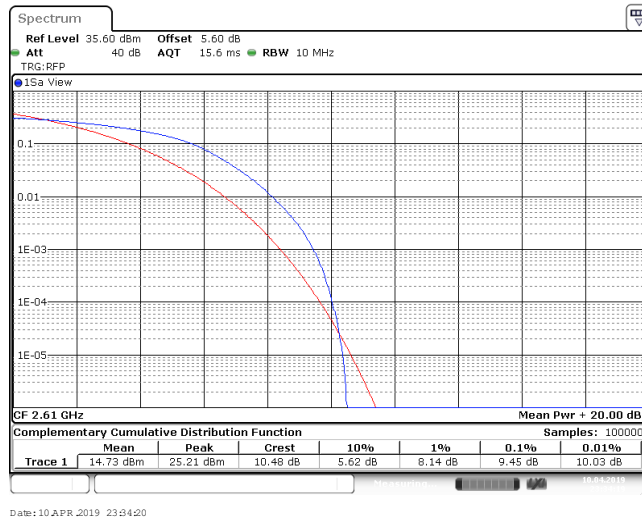
Date: 10 APR.2019 23:04:07

Band38_20MHz_64QAM_38150_100RB#0



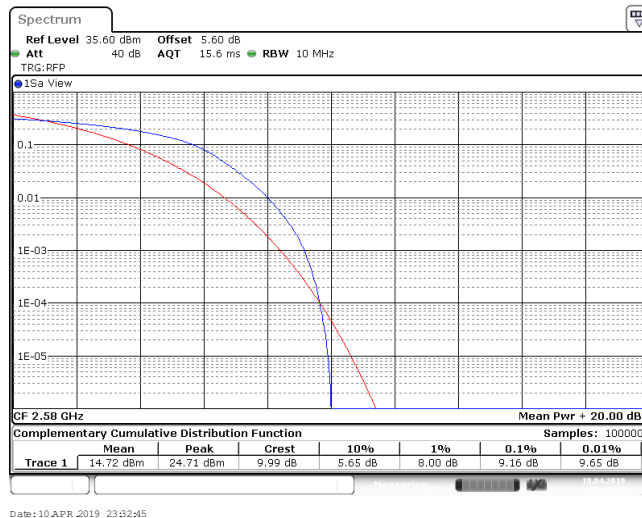
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Date: 10 APR.2019 23:54:20

Band38_20MHz_16QAM_37850_100RB#0



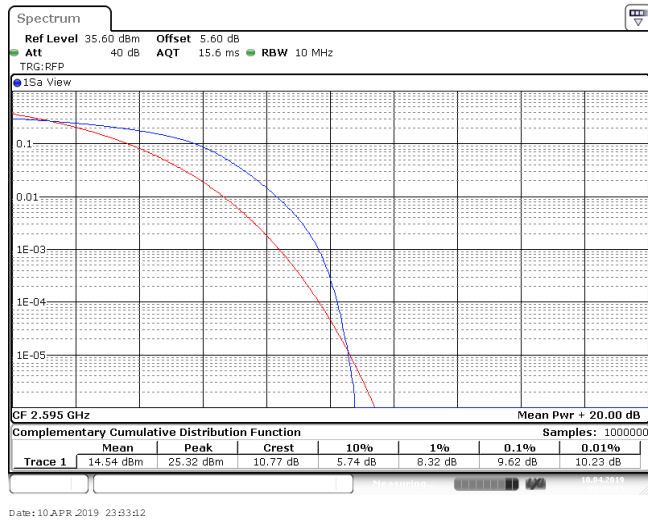
Date: 10 APR.2019 23:52:45

Band38_20MHz_16QAM_38000_100RB#0



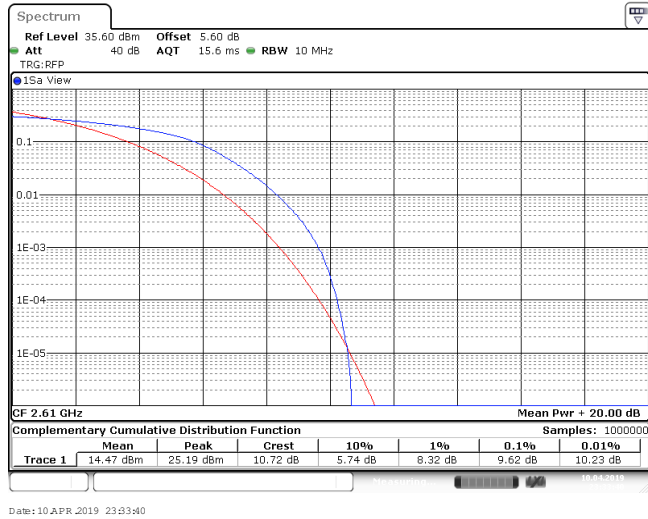
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Date: 10 APR.2019 23:53:12

Band38_20MHz_16QAM_38150_100RB#0



Date: 10 APR.2019 23:53:40



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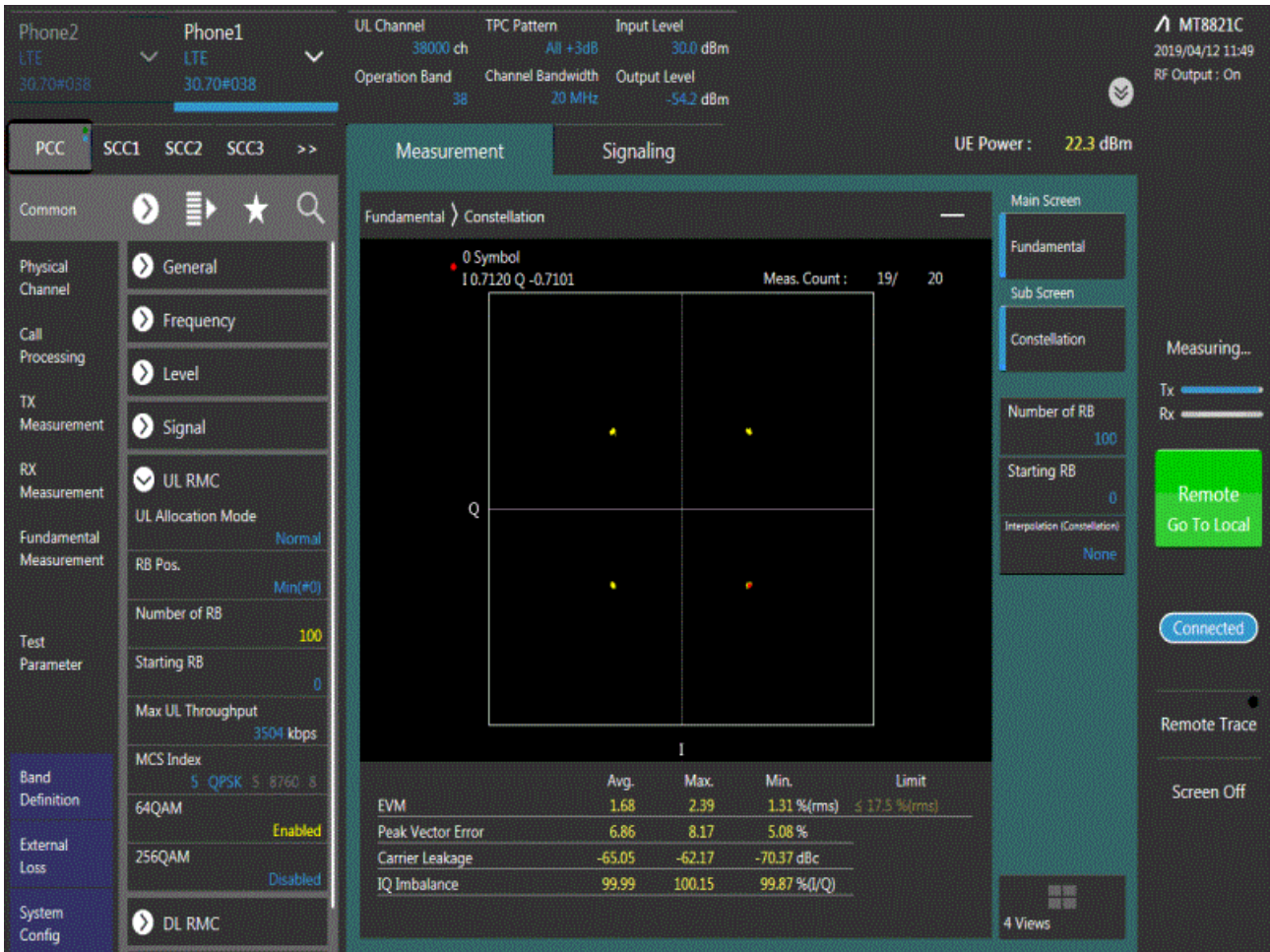
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3. Modulation Characteristics

3.1. Test BAND = LTE Band 38

3.2. Test Mode = LTE /TM1 20MHz

3.2.1. Test Channel = MCH

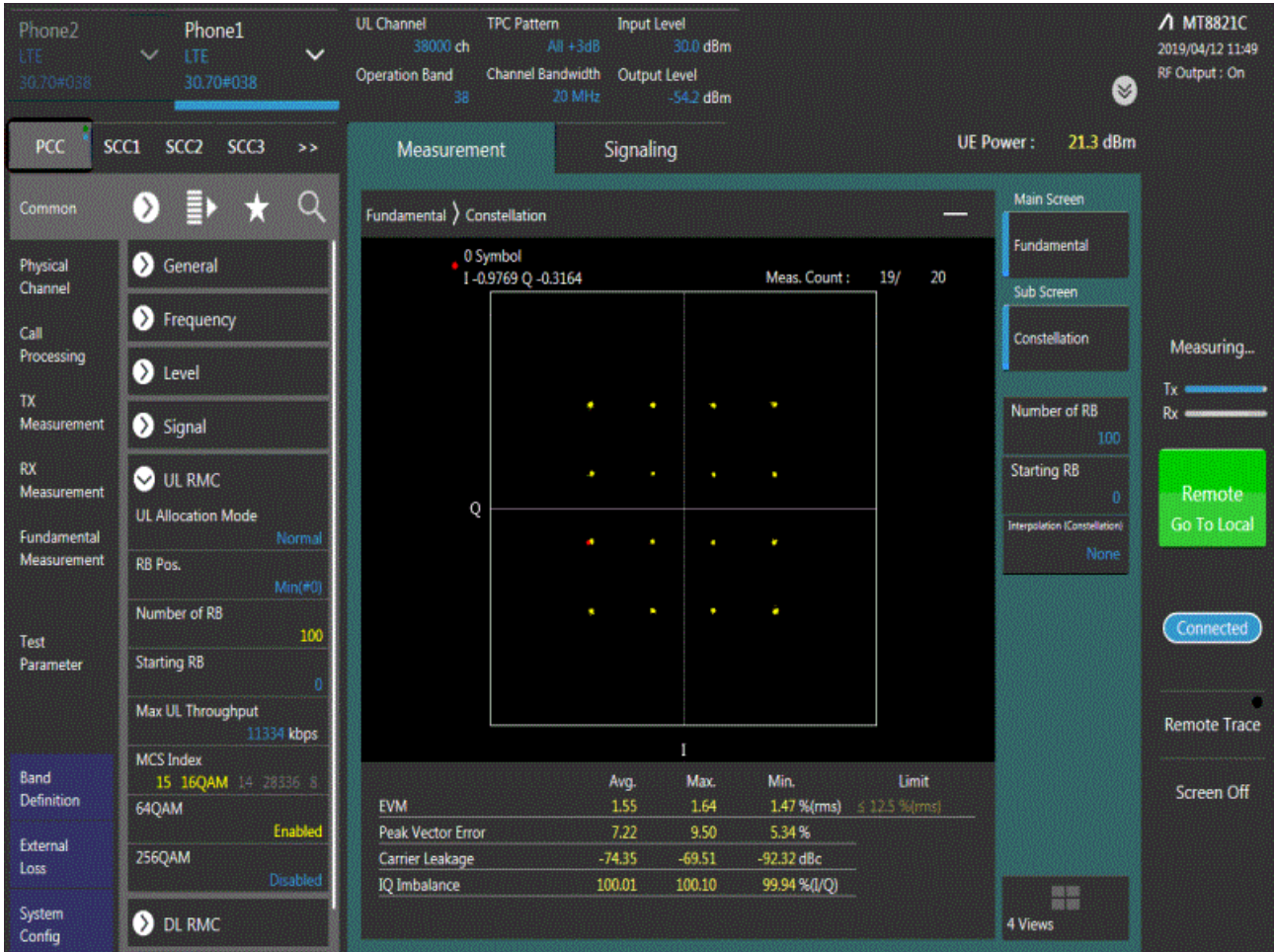


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3.3. Test Mode = LTE /TM2 20MHz

3.3.1. Test Channel = MCH

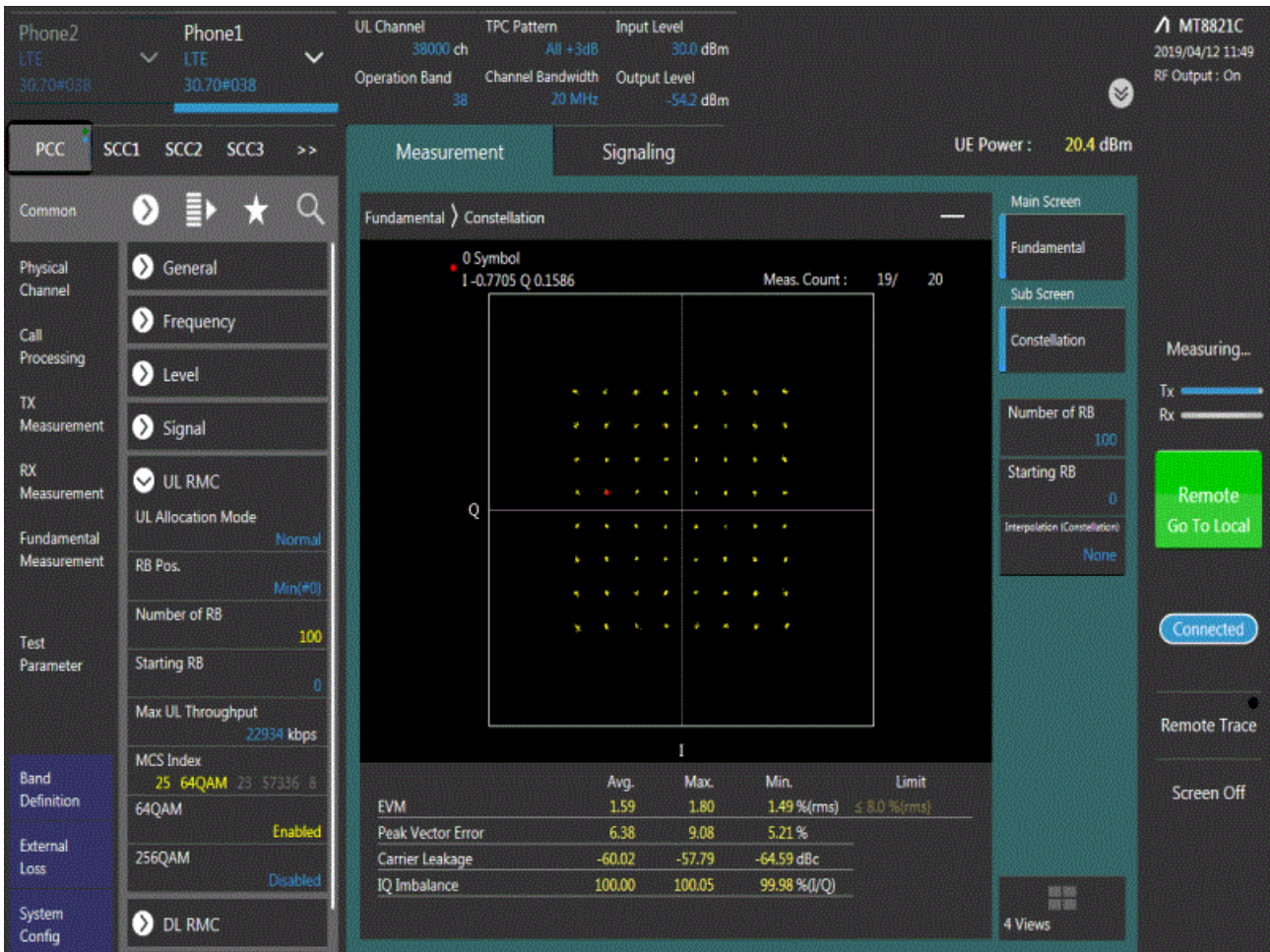


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3.4. Test Mode = LTE /TM3 20MHz

3.4.1. 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	4.910	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.486	4.990	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.486	4.920	PASS
Band38	5MHz	64QAM	37775	25RB#0	4.476	4.910	PASS
Band38	5MHz	64QAM	38000	25RB#0	4.476	4.970	PASS
Band38	5MHz	64QAM	38225	25RB#0	4.476	4.910	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.466	4.920	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.476	4.960	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.476	4.910	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.931	9.760	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.971	9.840	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.931	9.700	PASS
Band38	10MHz	64QAM	37800	50RB#0	8.951	9.660	PASS
Band38	10MHz	64QAM	38000	50RB#0	8.931	9.840	PASS
Band38	10MHz	64QAM	38200	50RB#0	8.951	9.780	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.931	9.680	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.951	9.840	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.951	9.760	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.457	15.060	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.487	15.000	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.516	15.180	PASS
Band38	15MHz	64QAM	37825	75RB#0	13.516	15.000	PASS
Band38	15MHz	64QAM	38000	75RB#0	13.457	14.940	PASS
Band38	15MHz	64QAM	38175	75RB#0	13.487	15.000	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.487	14.970	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.457	14.940	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.457	14.940	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.942	19.640	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.982	19.640	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.942	19.600	PASS
Band38	20MHz	64QAM	37850	100RB#0	17.942	19.800	PASS

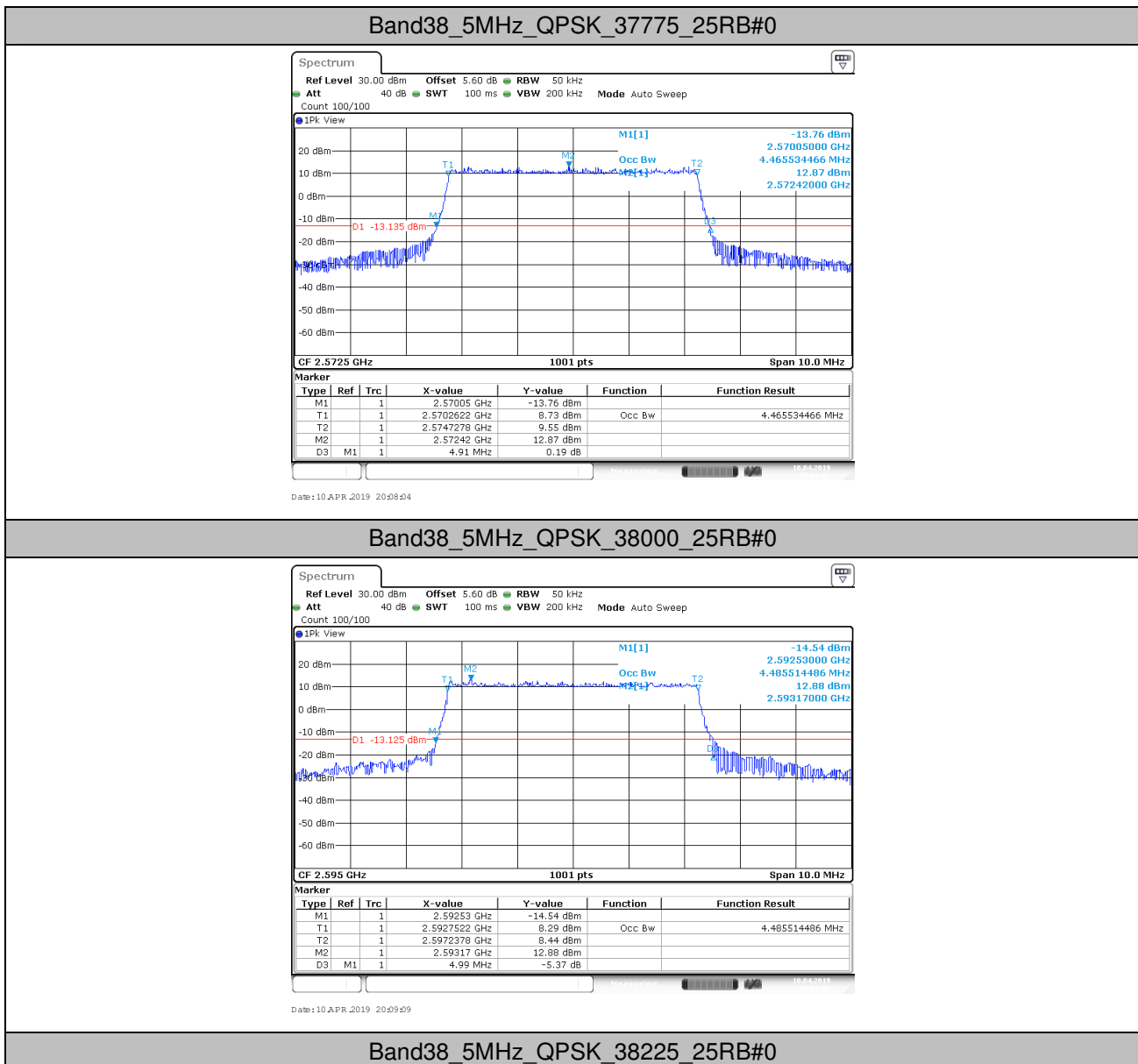


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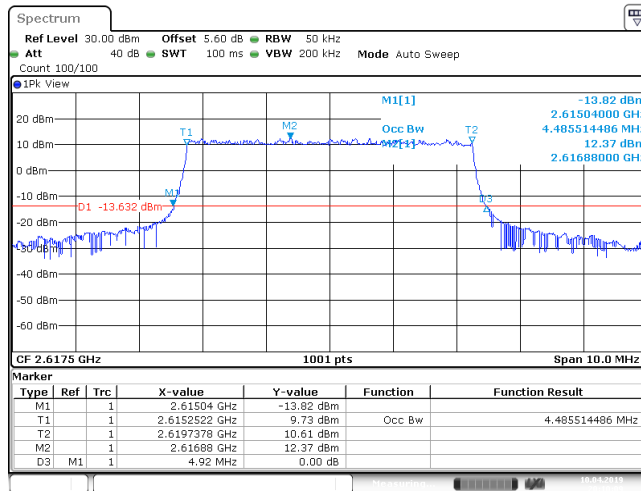
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Band38	20MHz	64QAM	38000	100RB#0	17.942	19.600	PASS
Band38	20MHz	64QAM	38150	100RB#0	17.942	19.760	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.942	19.760	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.942	19.640	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.942	19.840	PASS

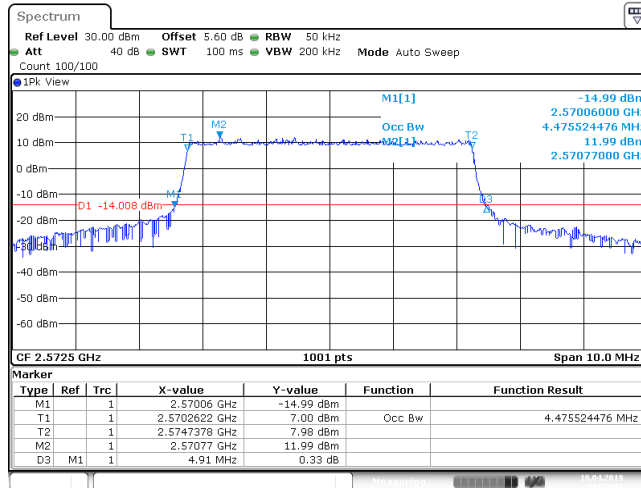
4.2. Test Plots



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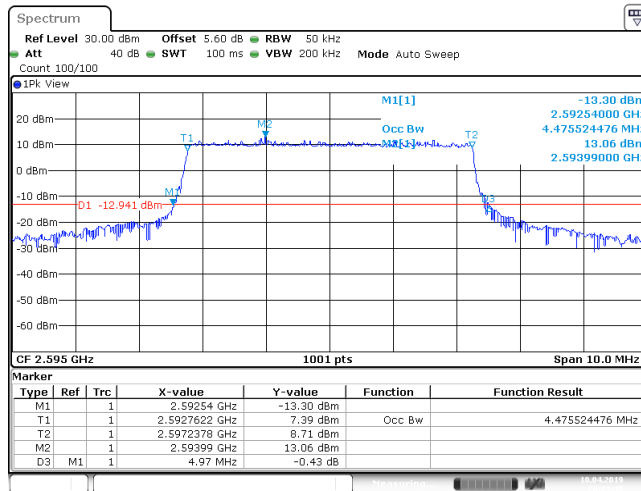
Band38_5MHz_64QAM_3775_25RB#



Band38_5MHz_64QAM_3800_25RB#

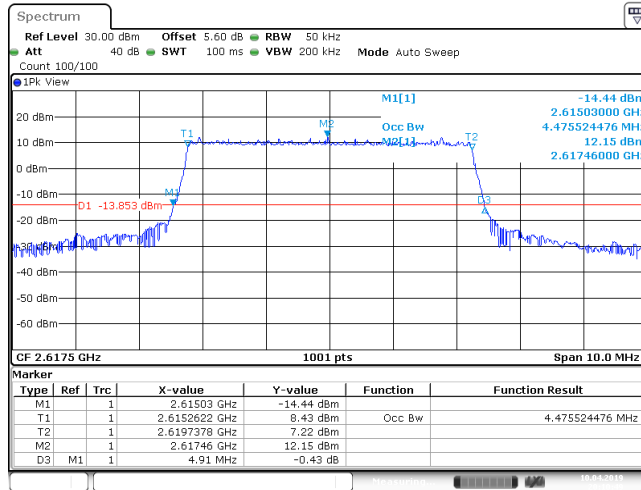


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Date: 10 APR 2019 20:09:48

Band38_5MHz_64QAM_38225_25RB#

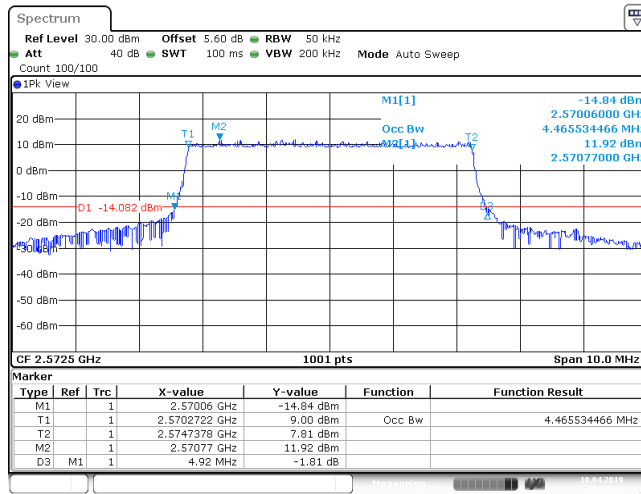


Date: 10 APR 2019 20:10:49

Band38_5MHz_16QAM_37775_25RB#

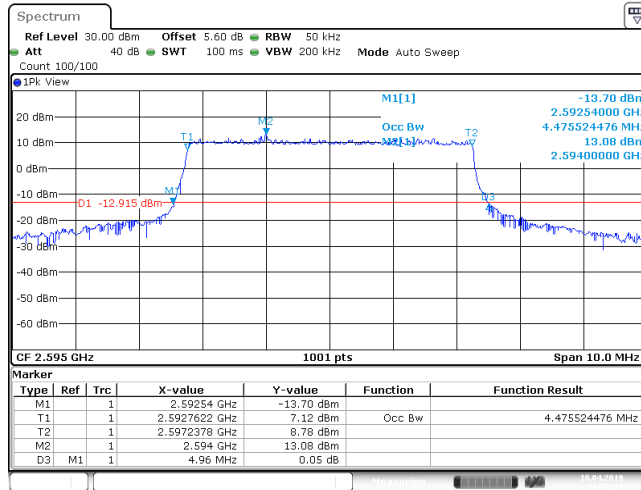


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Date: 10 APR 2019 20:09:28

Band38_5MHz_16QAM_38000_25RB#0

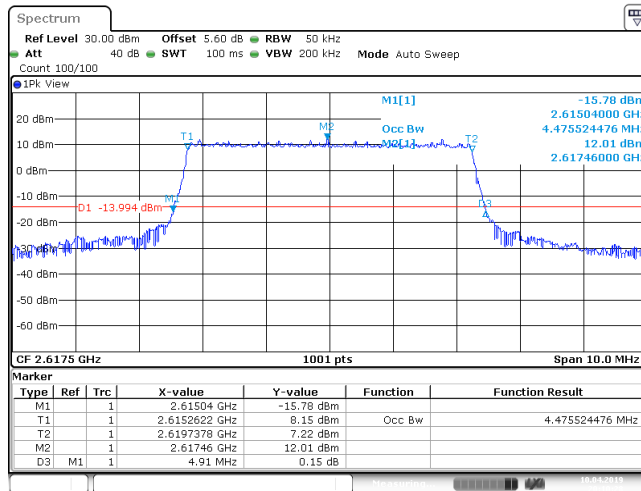


Date: 10 APR 2019 20:09:28

Band38_5MHz_16QAM_38225_25RB#0

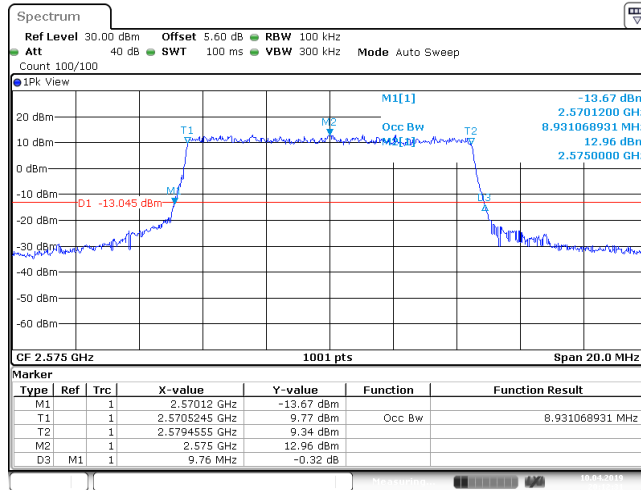


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Date: 10 APR 2019 20:10:29

Band38_10MHz_QPSK_37800_50RB#0

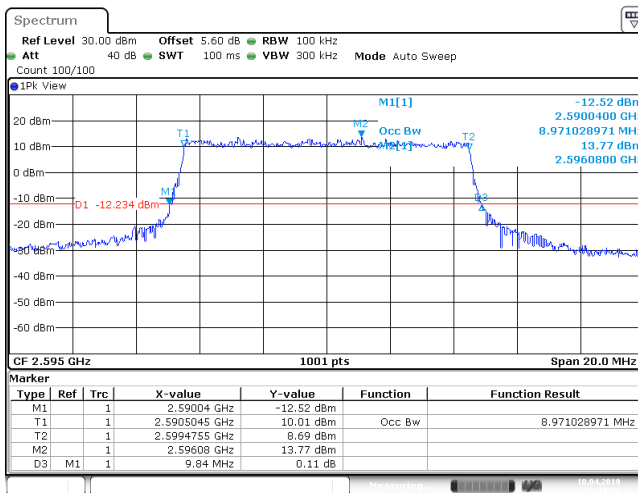


Date: 10 APR 2019 20:12:51

Band38_10MHz_QPSK_38000_50RB#0

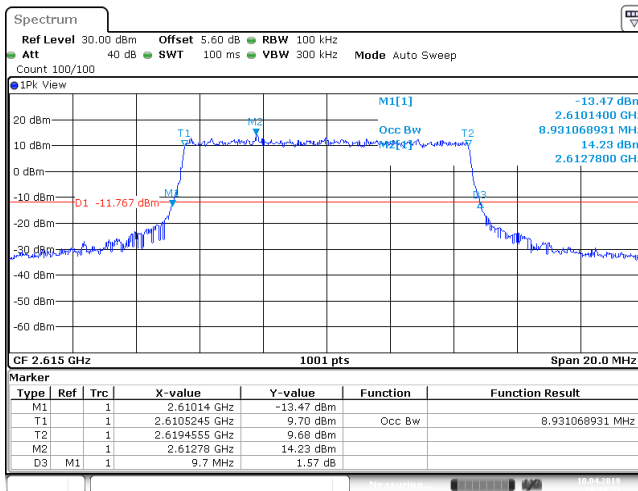


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Date: 10 APR 2019 20:13:32

Band38_10MHz_QPSK_38200_50RB#0

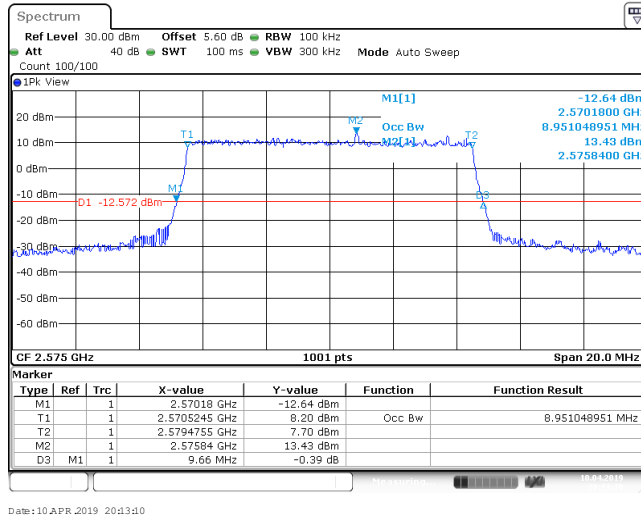


Date: 10 APR 2019 20:14:33

Band38_10MHz_64QAM_37800_50RB#0

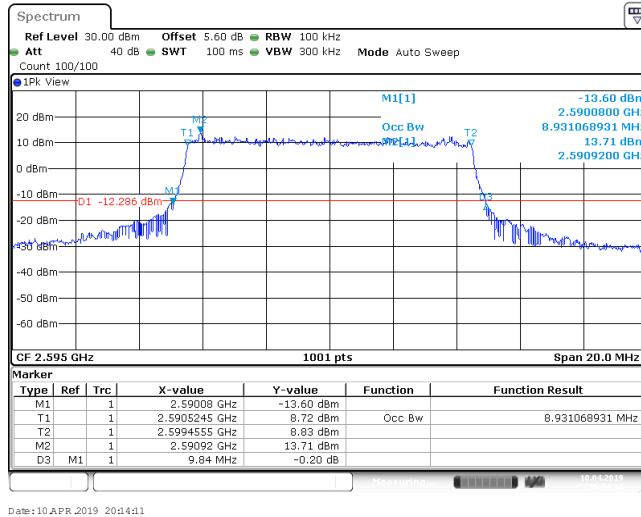


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Date: 10 APR 2019 20:13:10

Band38_10MHz_64QAM_38000_50RB#0

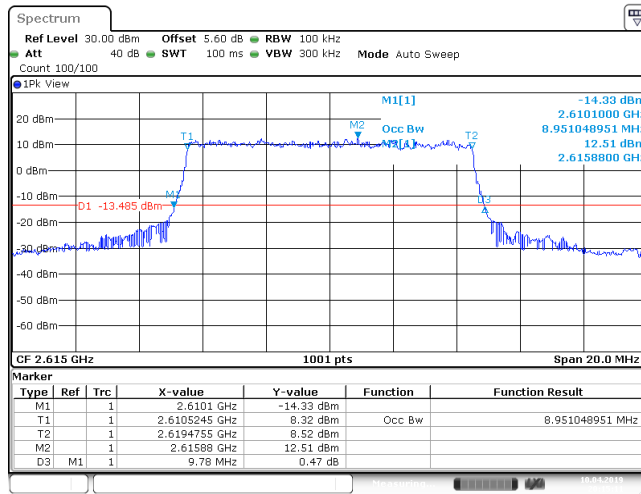


Date: 10 APR 2019 20:14:11

Band38_10MHz_64QAM_38200_50RB#0

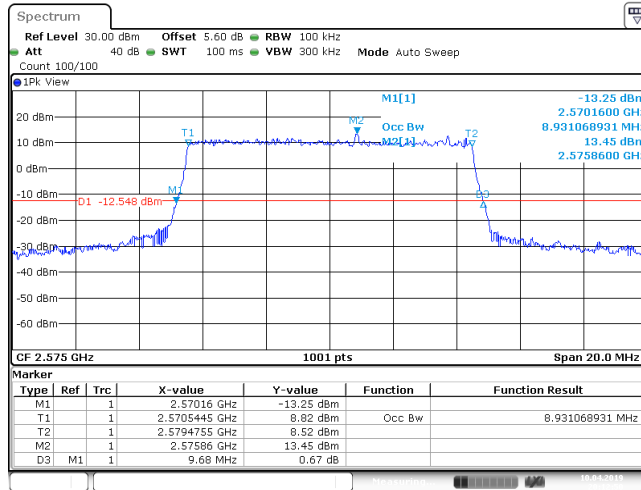


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Date: 10 APR 2019 20:15:12

Band38_10MHz_16QAM_37800_50RB#0

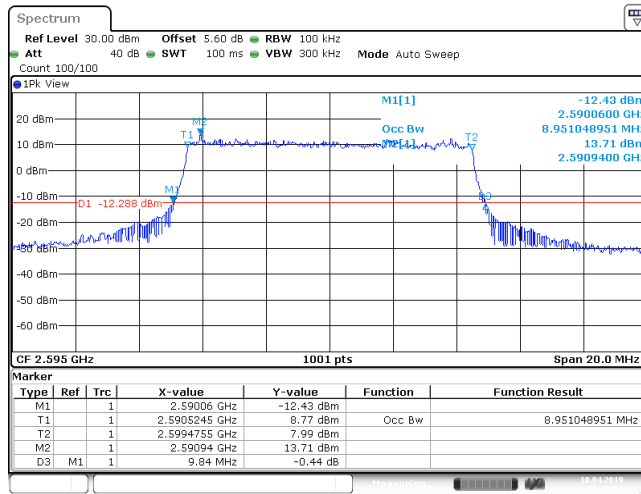


Date: 10 APR 2019 20:12:51

Band38_10MHz_16QAM_38000_50RB#0

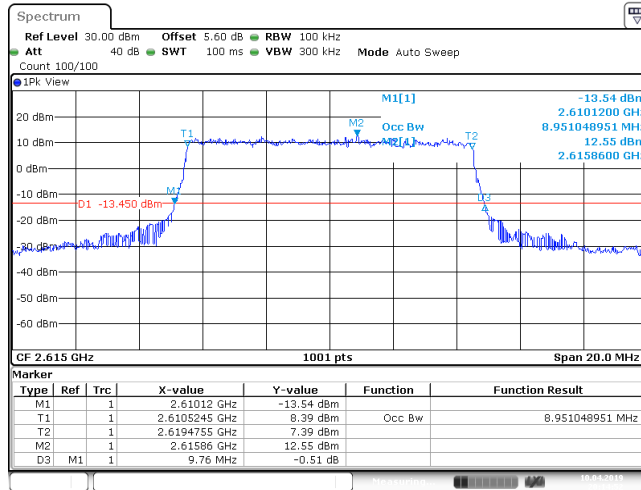


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Date: 10 APR 2019 20:13:52

Band38_10MHz_16QAM_38200_50RB#0

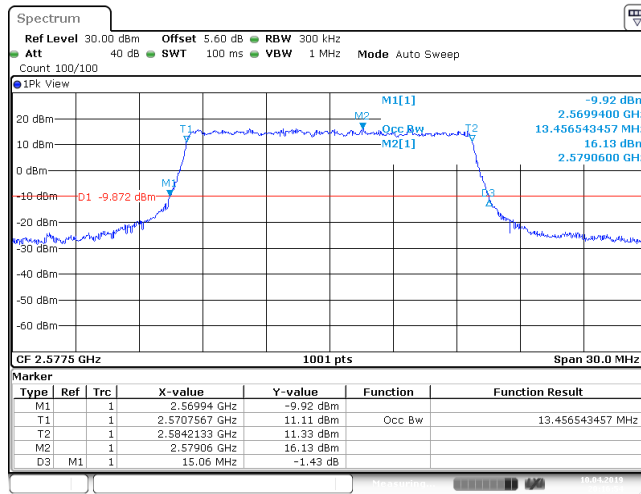


Date: 10 APR 2019 20:14:52

Band38_15MHz_QPSK_37825_75RB#0

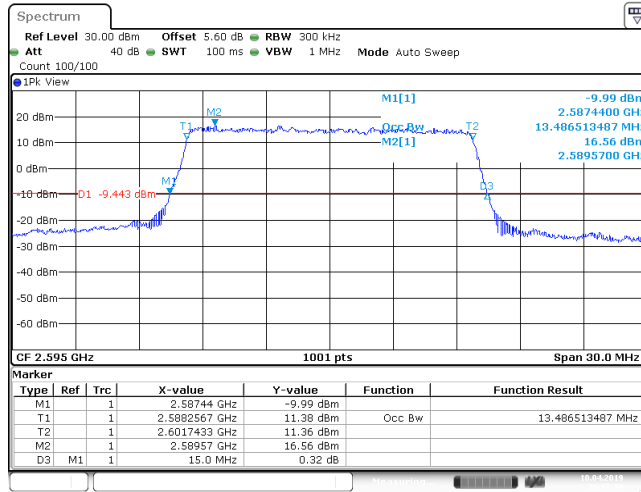


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Date: 10 APR 2019 20:16:54

Band38_15MHz_QPSK_38000_75RB#0

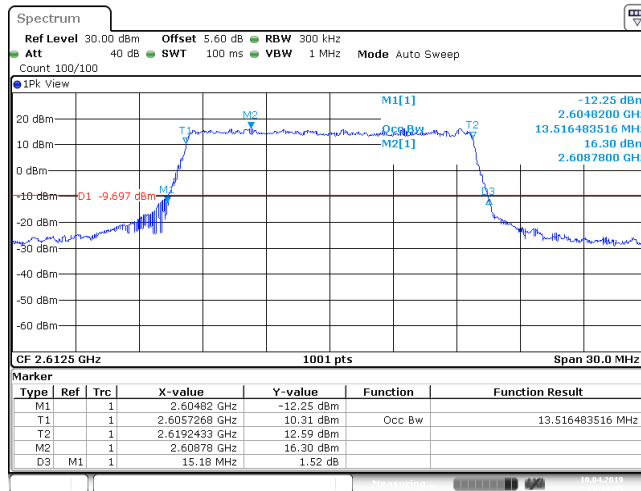


Date: 10 APR 2019 20:17:55

Band38_15MHz_QPSK_38175_75RB#0

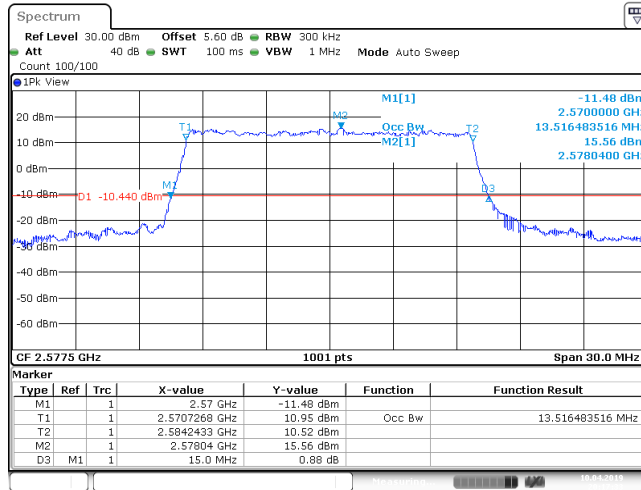


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Date: 10 APR 2019 20:18:56

Band38_15MHz_64QAM_37825_75RB#0

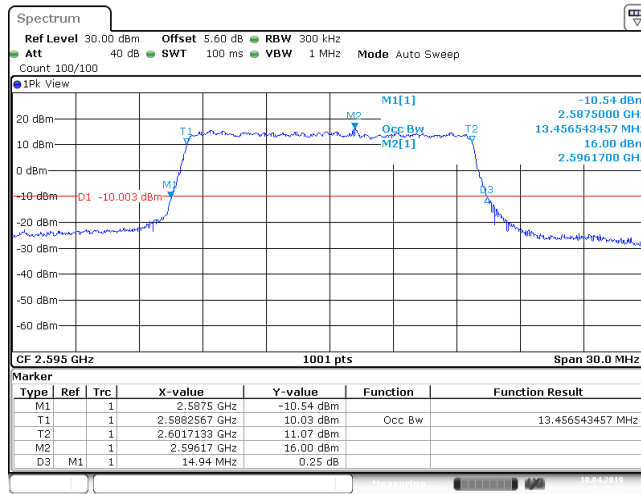


Date: 10 APR 2019 20:17:53

Band38_15MHz_64QAM_38000_75RB#0

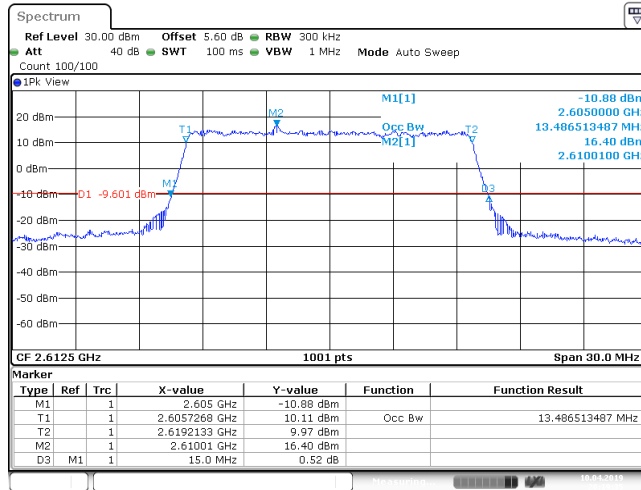


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Date: 10 APR 2019 20:18:34

Band38_15MHz_64QAM_38175_75RB#0

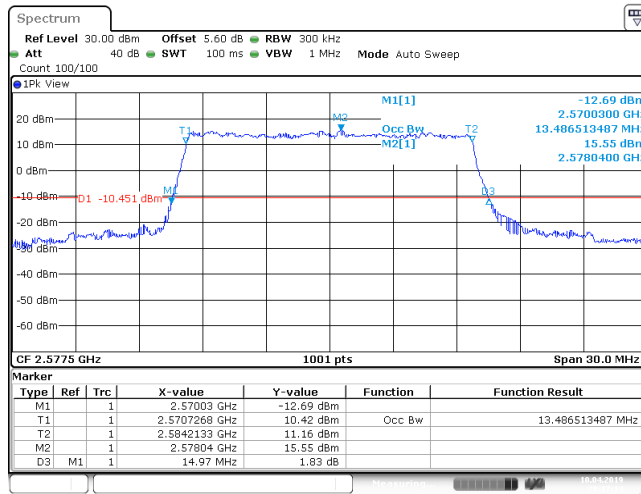


Date: 10 APR 2019 20:19:55

Band38_15MHz_16QAM_37825_75RB#0

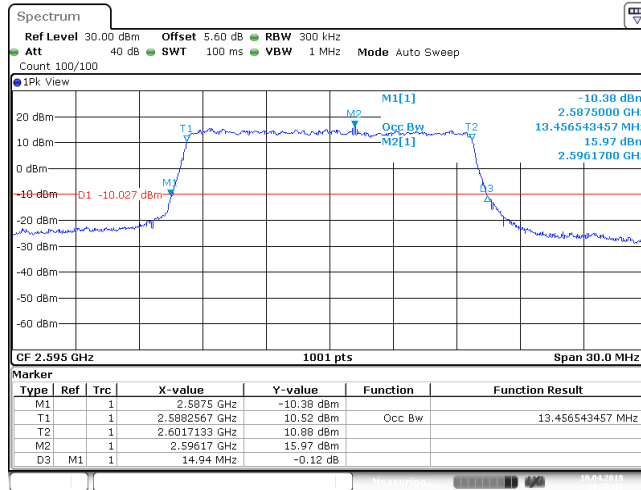


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Date: 10 APR 2019 20:17:14

Band38_15MHz_16QAM_38000_75RB#0

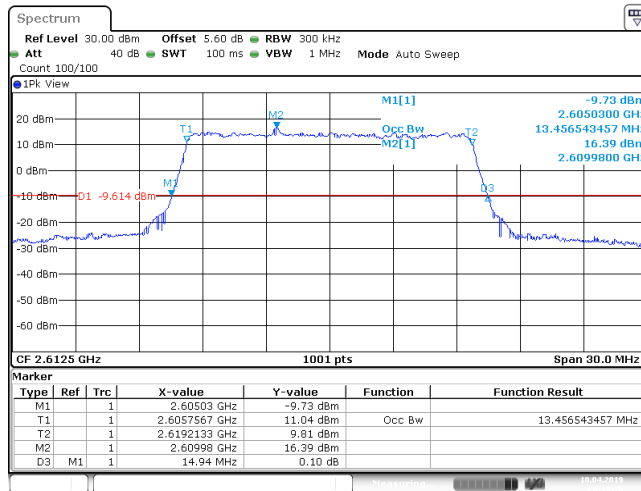


Date: 10 APR 2019 20:18:15

Band38_15MHz_16QAM_38175_75RB#0

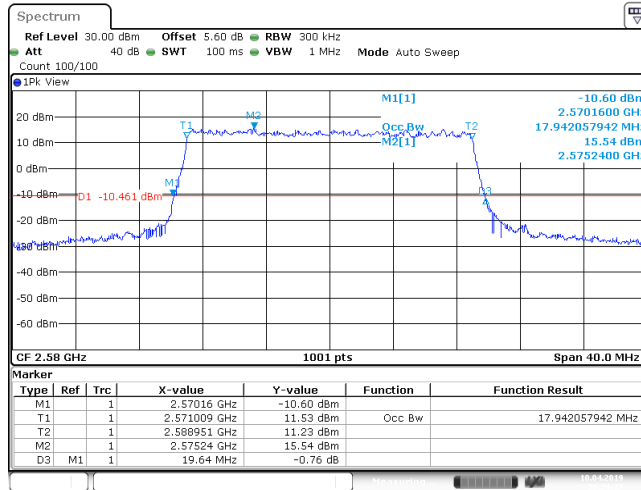


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Date: 10 APR 2019 20:19:15

Band38_20MHz_QPSK_37850_100RB#0

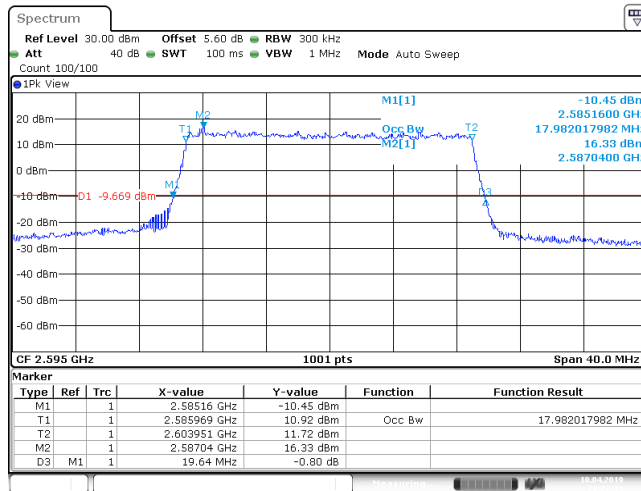


Date: 10 APR 2019 20:21:18

Band38_20MHz_QPSK_38000_100RB#0

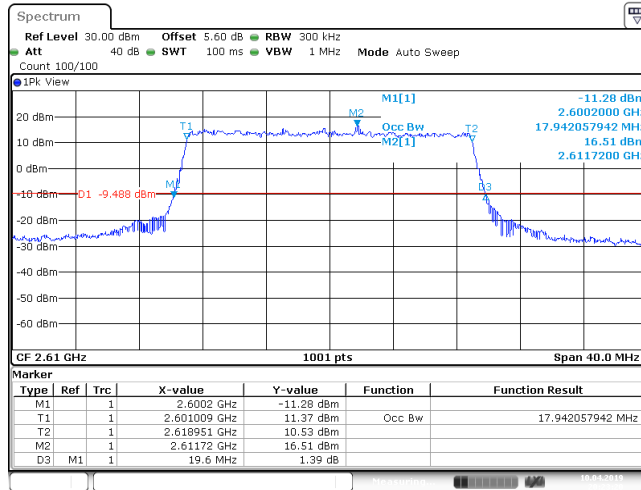


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Date: 10 APR 2019 20:22:19

Band38_20MHz_QPSK_38150_100RB#0

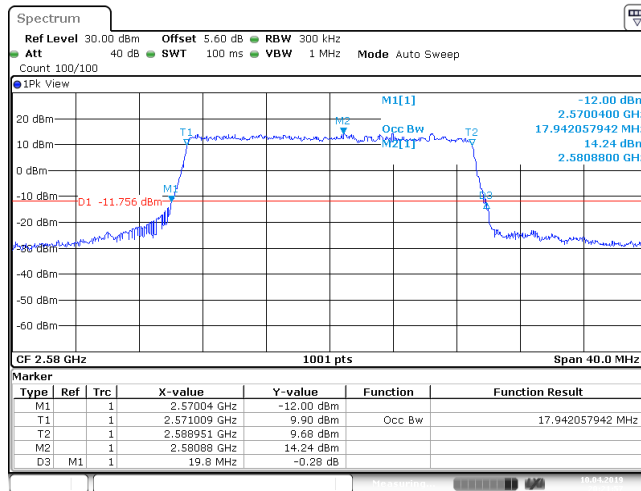


Date: 10 APR 2019 20:23:20

Band38_20MHz_64QAM_37850_100RB#0

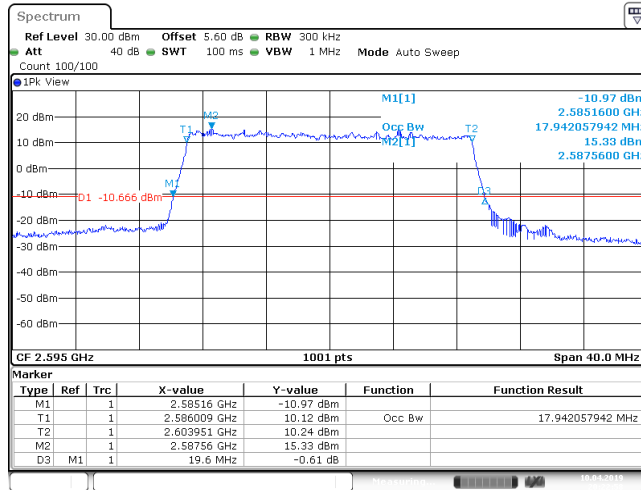


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Date: 10 APR 2019 20:21:57

Band38_20MHz_64QAM_38000_100RB#0

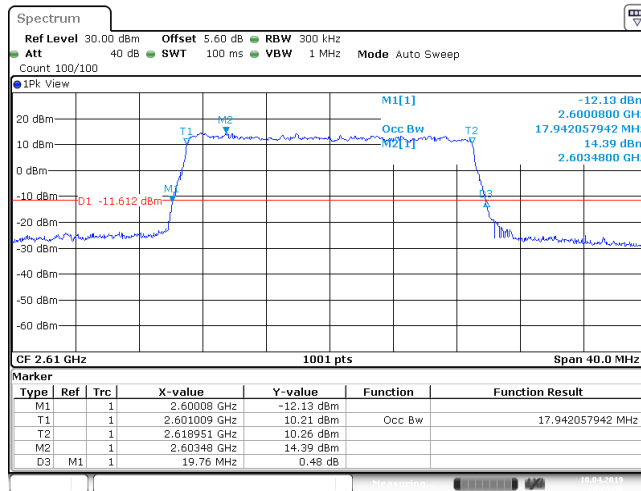


Date: 10 APR 2019 20:22:58

Band38_20MHz_64QAM_38150_100RB#0

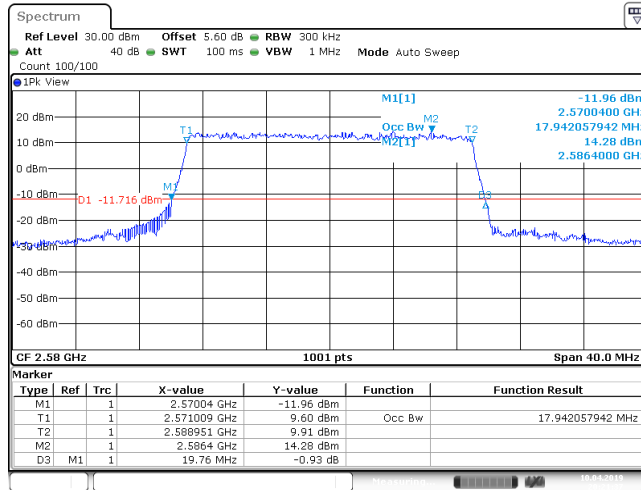


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Date: 10 APR 2019 20:23:59

Band38_20MHz_16QAM_37850_100RB#0



Date: 10 APR 2019 20:21:57

Band38_20MHz_16QAM_38000_100RB#0

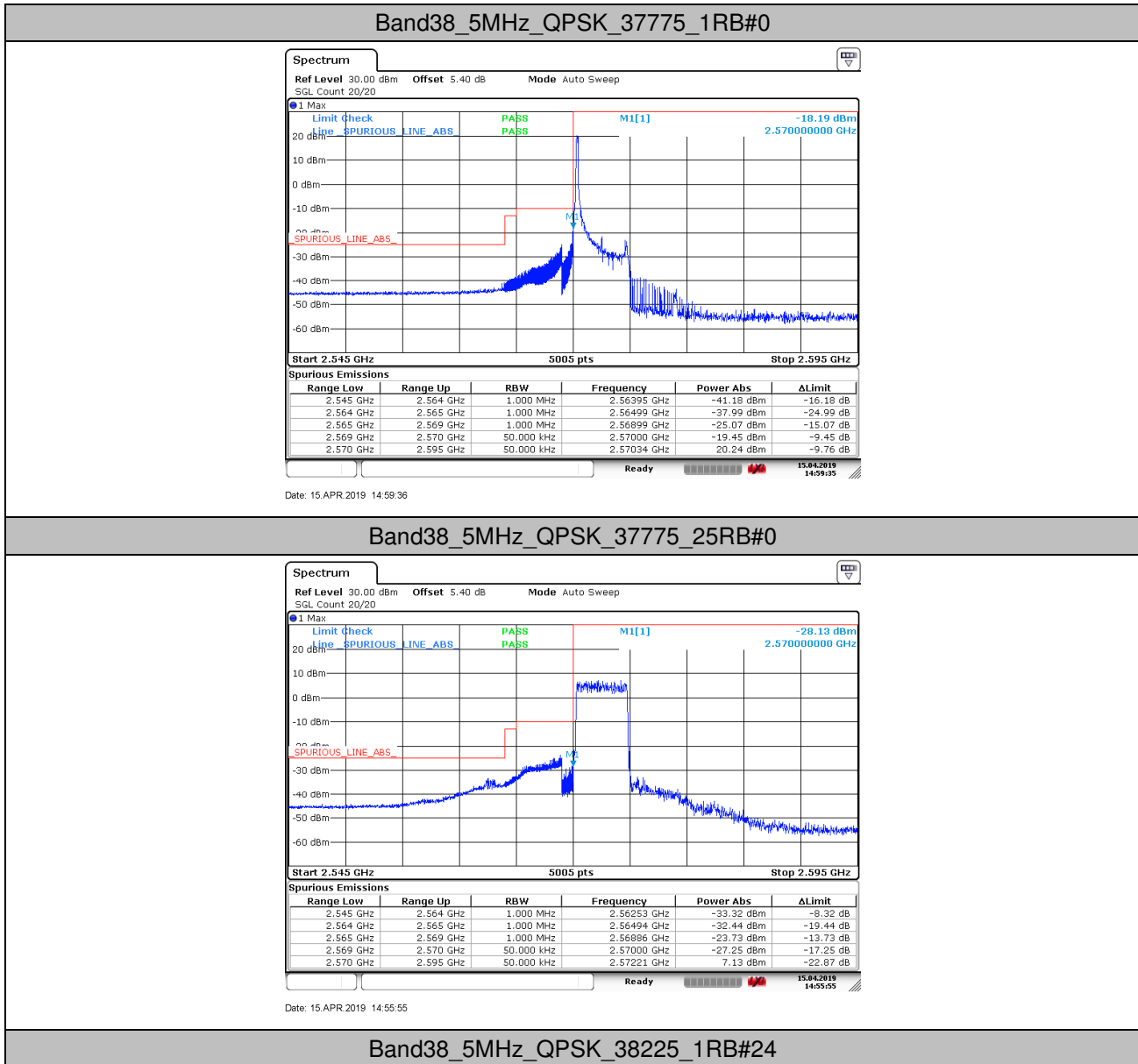
Band38_20MHz_16QAM_38150_100RB#0



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5. Band Edge Compliance

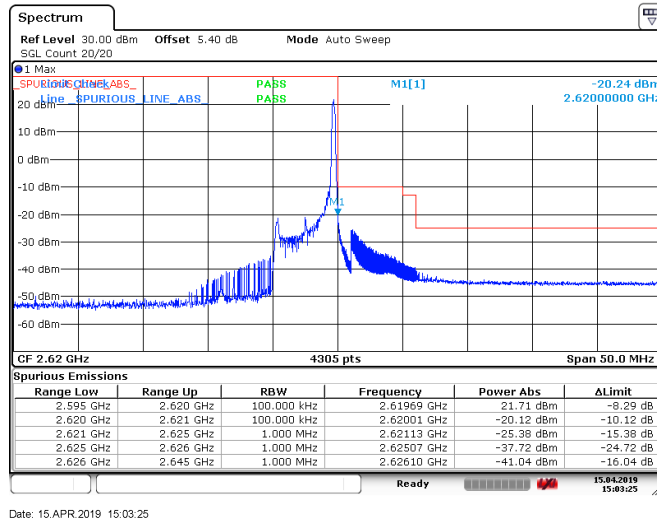
5.1. Test Plots



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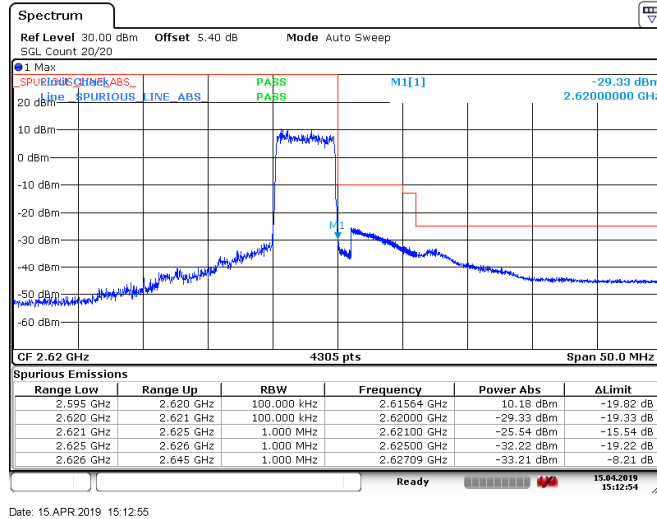
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Date: 15 APR 2019 15:03:25

Band38_5MHz_QPSK_38225_25RB#0



Date: 15 APR 2019 15:12:55

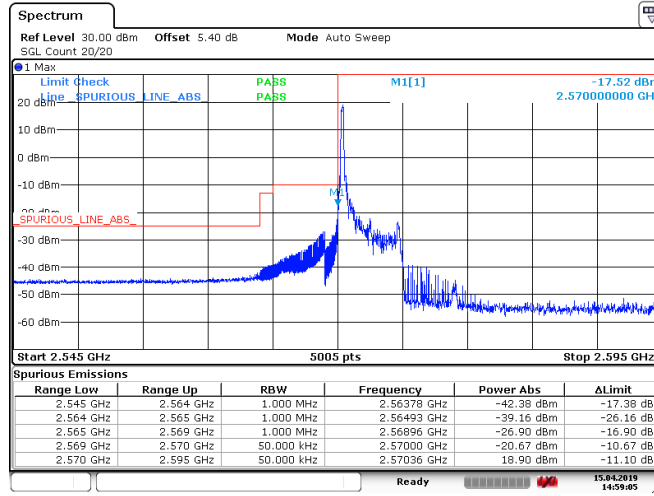
Band38_5MHz_64QAM_37775_1RB#0



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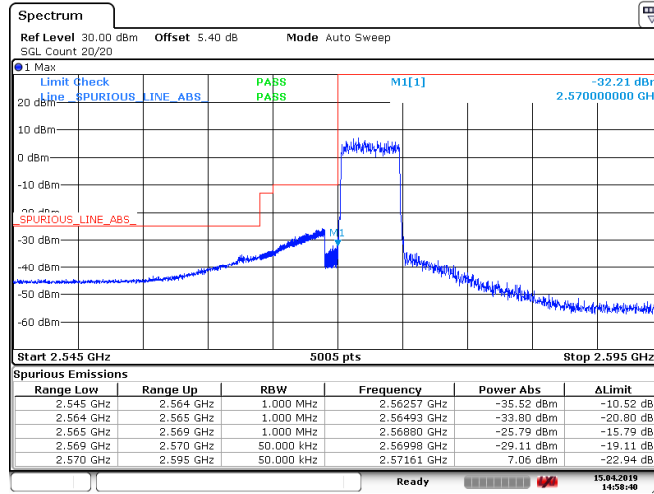
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Date: 15.APR.2019 14:58:05

Band38_5MHz_64QAM_3775_25RB#0

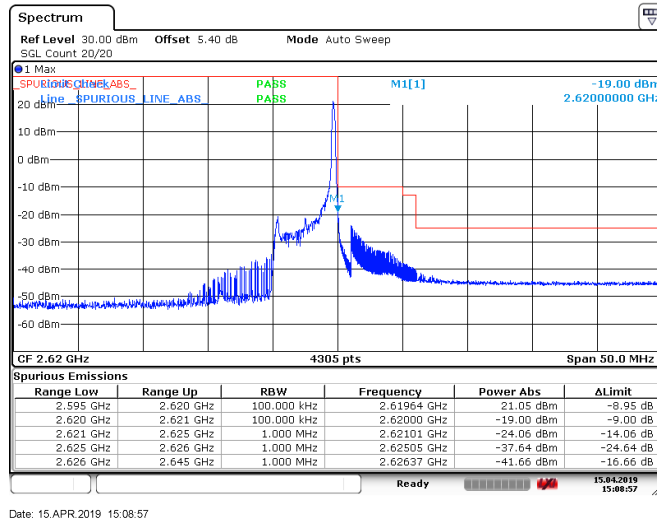


Date: 15.APR.2019 14:58:39

Band38_5MHz_64QAM_38225_1RB#24

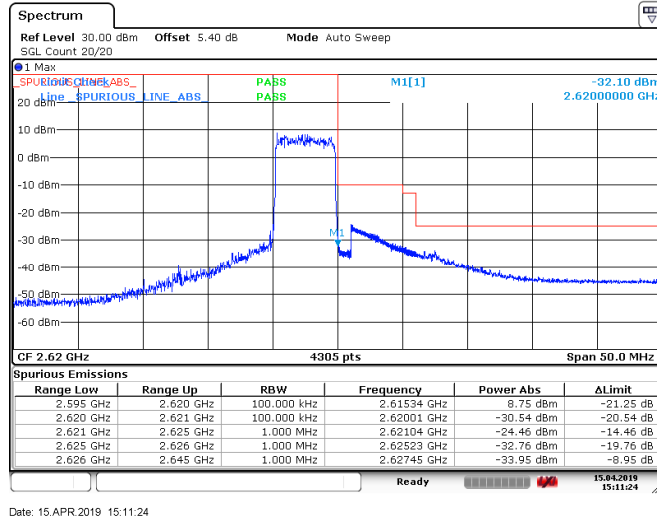


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Date: 15 APR 2019 15:08:57

Band38_5MHz_64QAM_38225_25RB#0



Date: 15 APR 2019 15:11:24

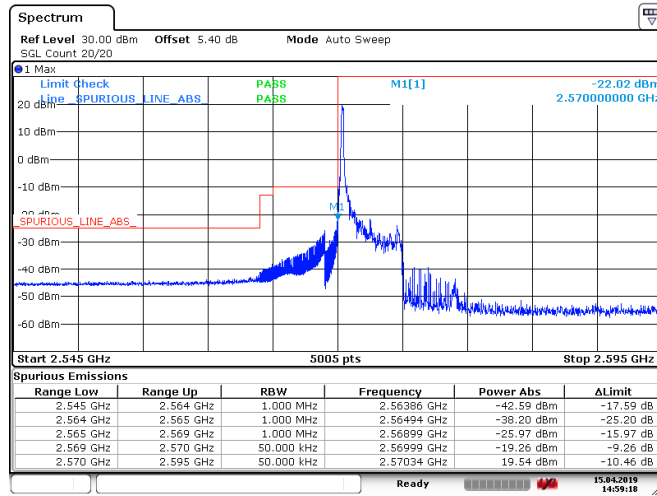
Band38_5MHz_16QAM_37775_1RB#0



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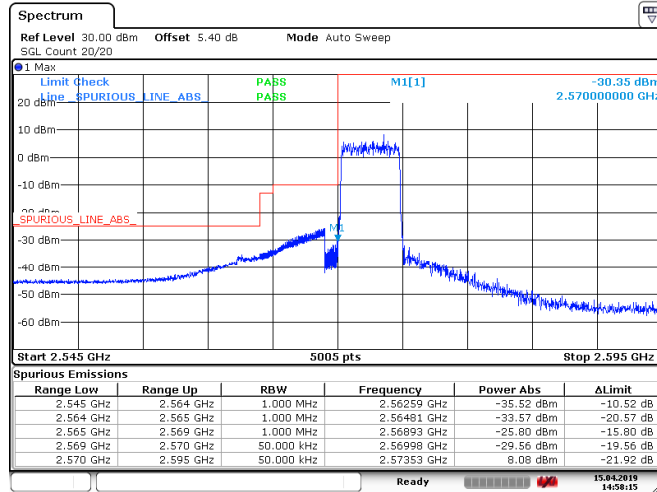
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Date: 15.APR.2019 14:59:18

Band38_5MHz_16QAM_3775_25RB#0

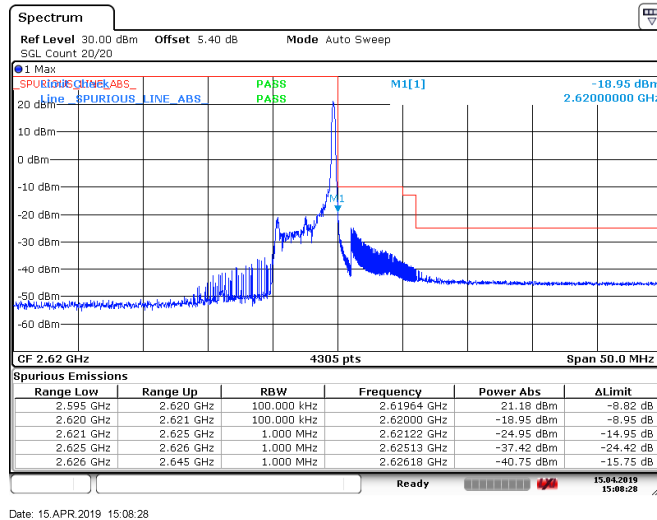


Date: 15.APR.2019 14:58:16

Band38_5MHz_16QAM_38225_1RB#24

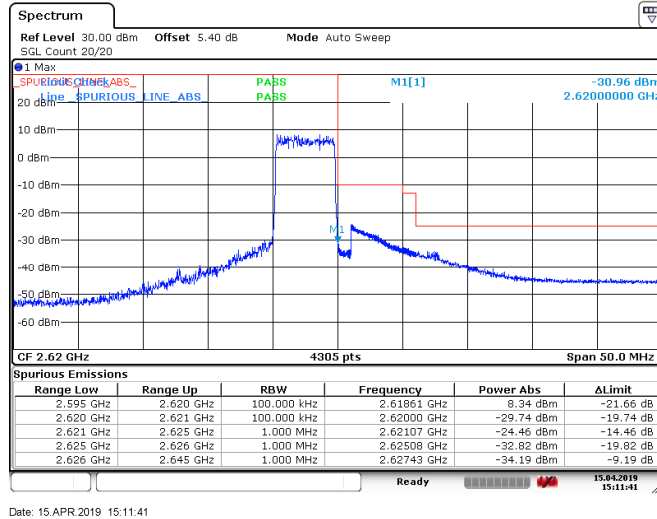


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Date: 15 APR 2019 15:08:28

Band38_5MHz_16QAM_38225_25RB#0



Date: 15 APR 2019 15:11:41

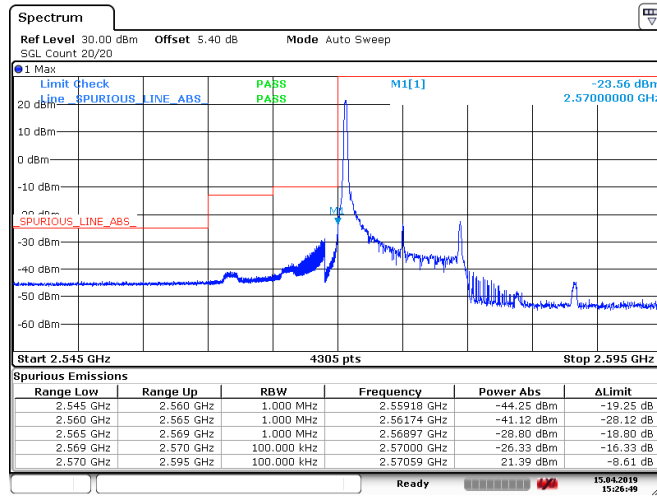
Band38_10MHz_QPSK_37800_1RB#0



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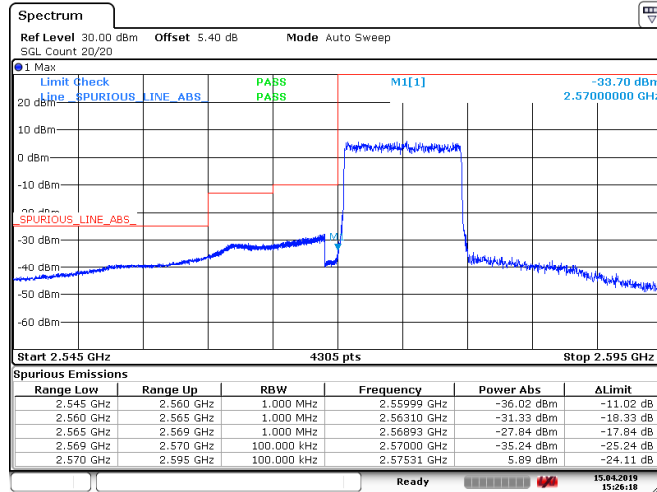
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Date: 15 APR 2019 15:26:49

Band38_10MHz_QPSK_37800_50RB#0

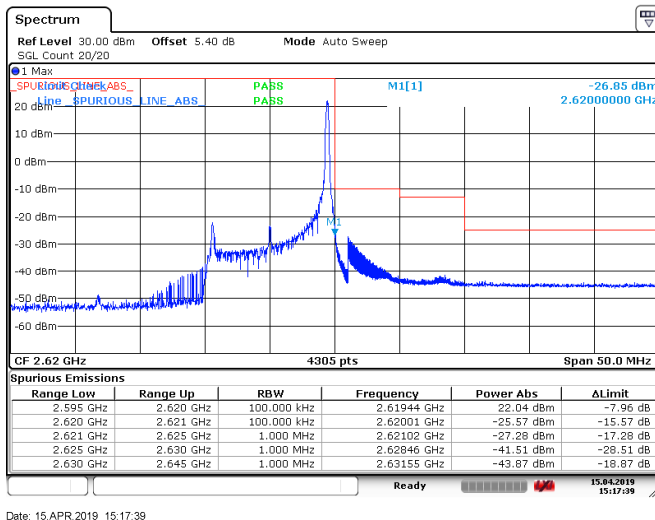


Date: 15 APR 2019 15:26:18

Band38_10MHz_QPSK_38200_1RB#49

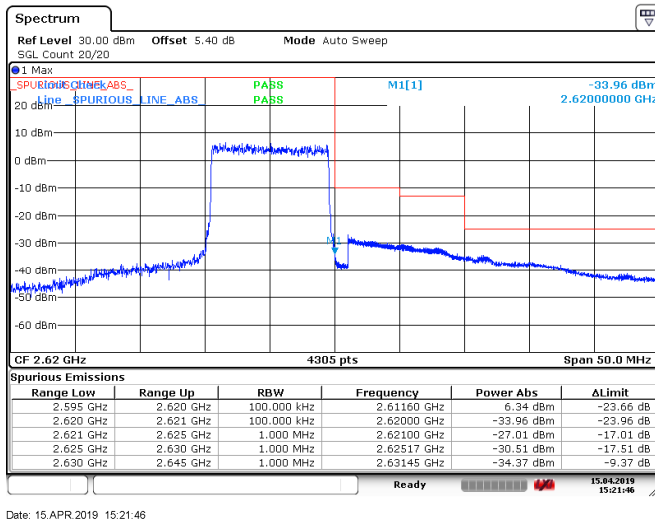


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Date: 15 APR 2019 15:17:39

Band38_10MHz_QPSK_38200_50RB#0



Date: 15 APR 2019 15:21:46

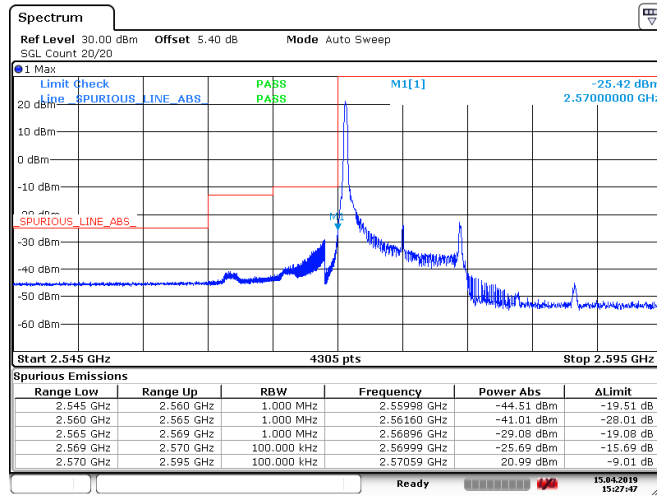
Band38_10MHz_64QAM_37800_1RB#0



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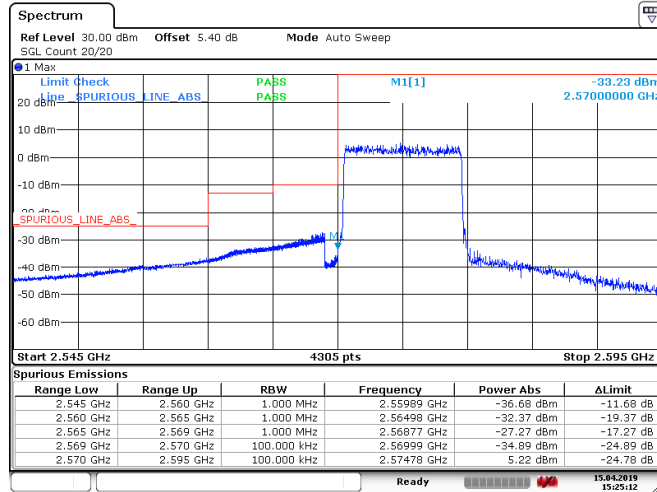
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Date: 15 APR 2019 15:27:47

Band38_10MHz_64QAM_37800_50RB#0

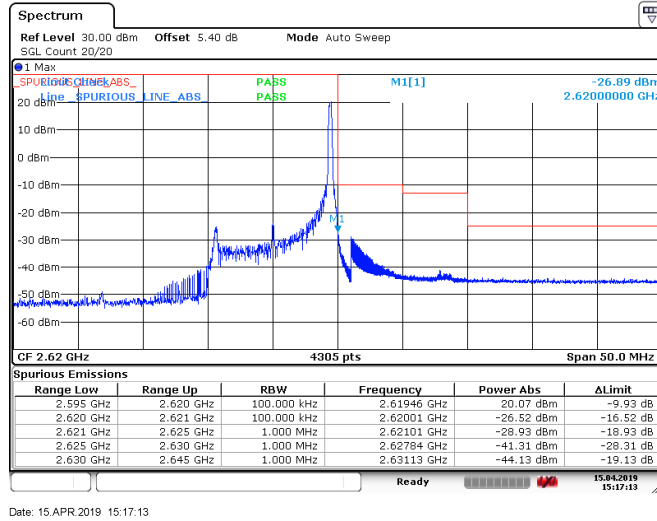


Date: 15 APR 2019 15:25:12

Band38_10MHz_64QAM_38200_1RB#49

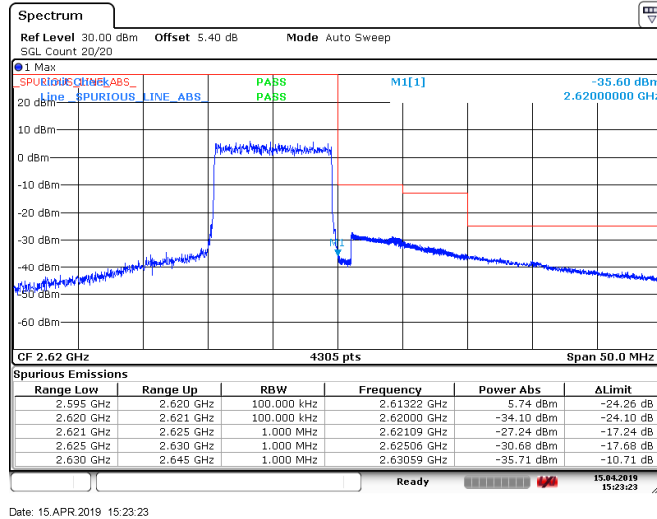


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Date: 15 APR 2019 15:17:13

Band38_10MHz_64QAM_38200_50RB#0

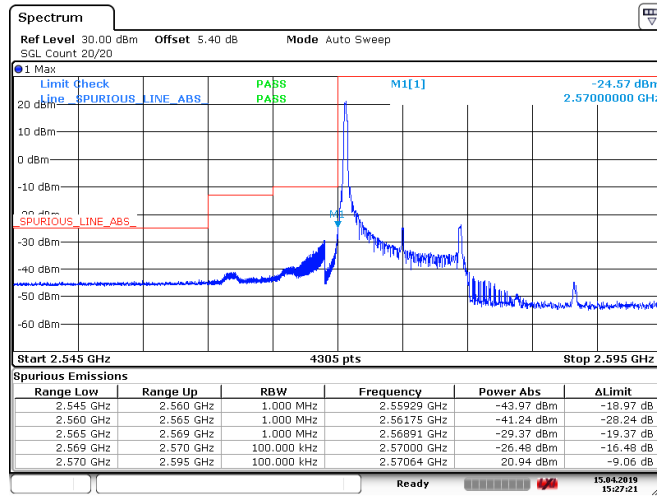


Date: 15 APR 2019 15:23:23

Band38_10MHz_16QAM_37800_1RB#0

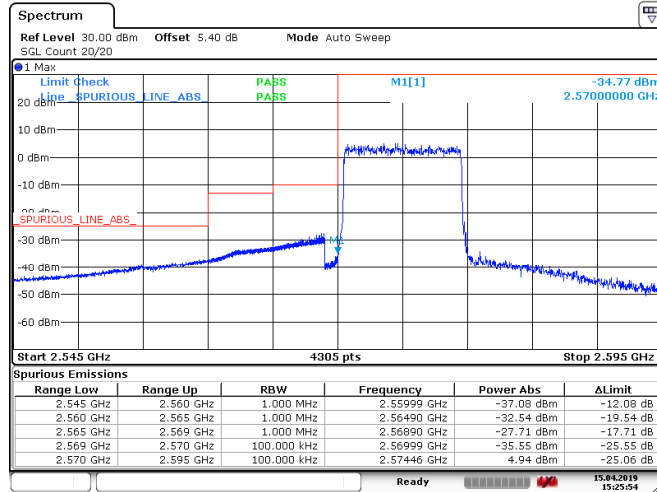


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Date: 15 APR 2019 15:27:22

Band38_10MHz_16QAM_37800_50RB#0



Date: 15 APR 2019 15:25:55

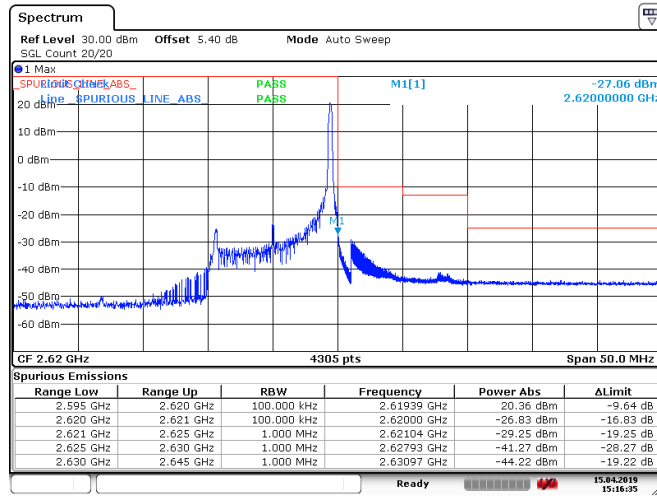
Band38_10MHz_16QAM_38200_1RB#49



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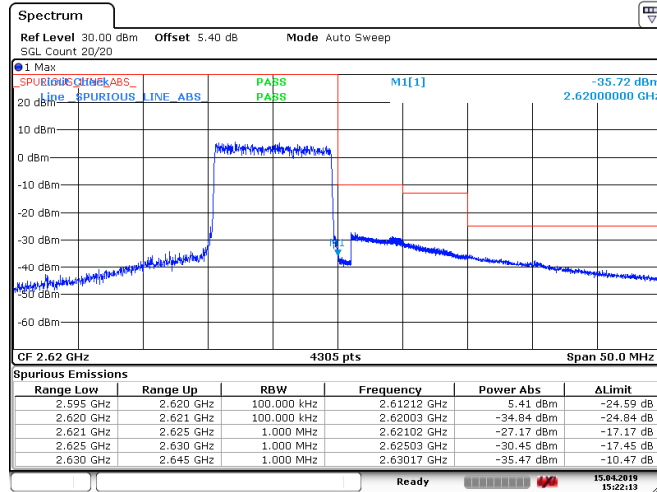
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Date: 15 APR 2019 15:16:36

Band38_10MHz_16QAM_38200_50RB#0

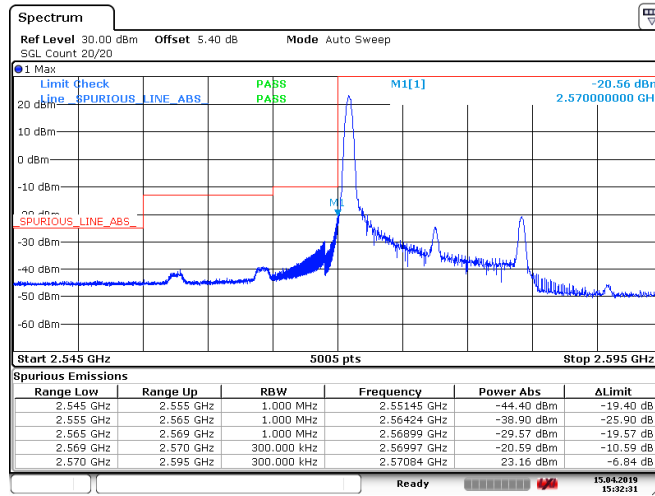


Date: 15 APR 2019 15:22:14

Band38_15MHz_QPSK_37825_1RB#0

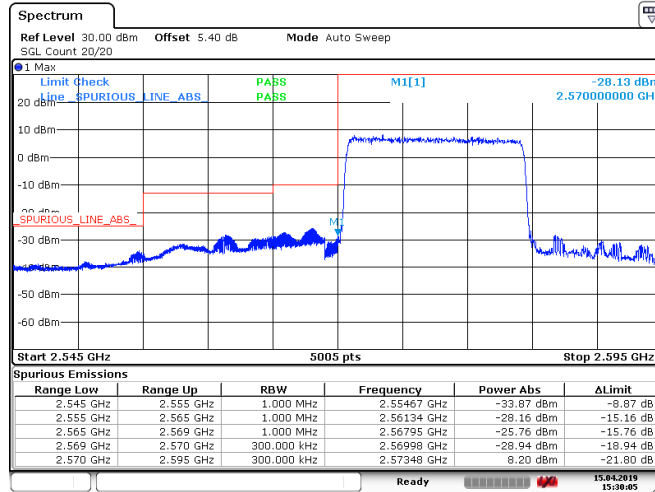


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Date: 15 APR 2019 15:32:31

Band38_15MHz_QPSK_37825_75RB#0

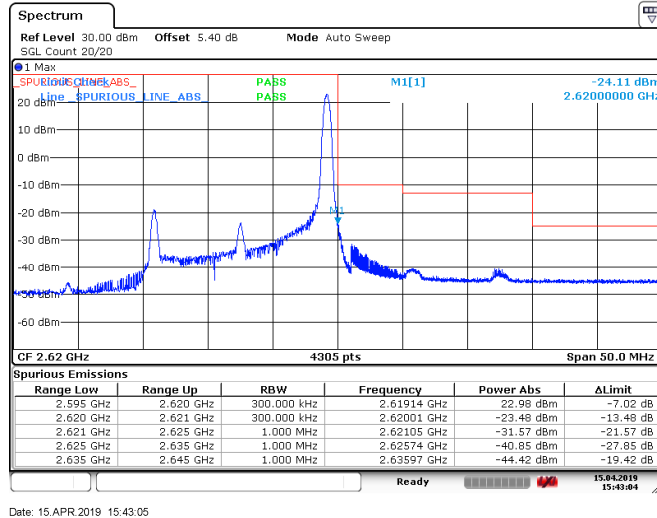


Date: 15 APR 2019 15:30:05

Band38_15MHz_QPSK_38175_1RB#74

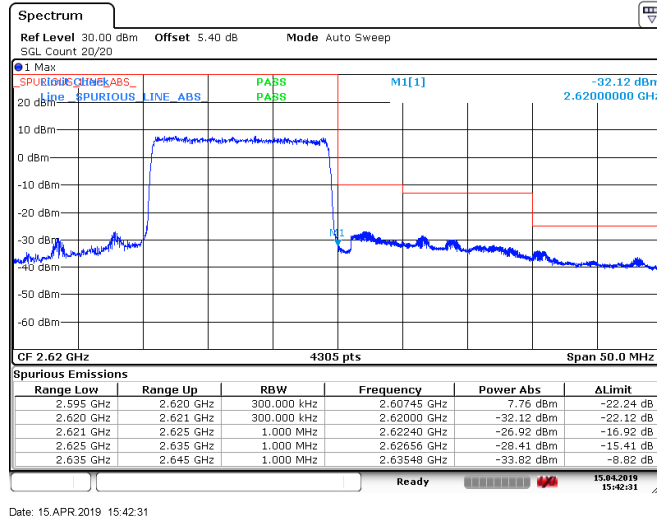


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Date: 15.APR.2019 15:43:05

Band38_15MHz_QPSK_38175_75RB#0

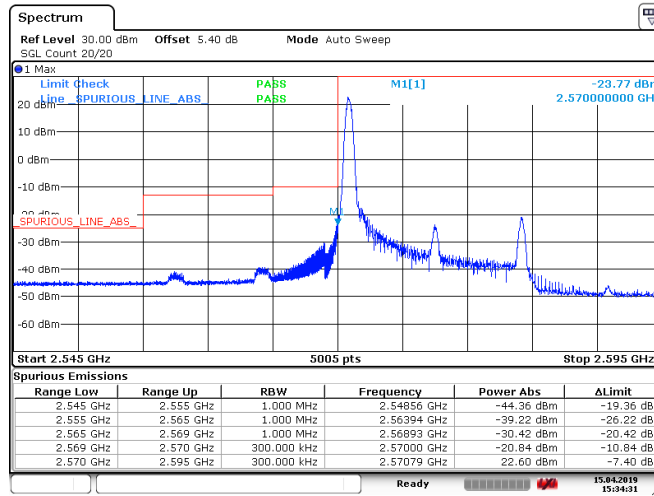


Date: 15.APR.2019 15:42:31

Band38_15MHz_64QAM_37825_1RB#0

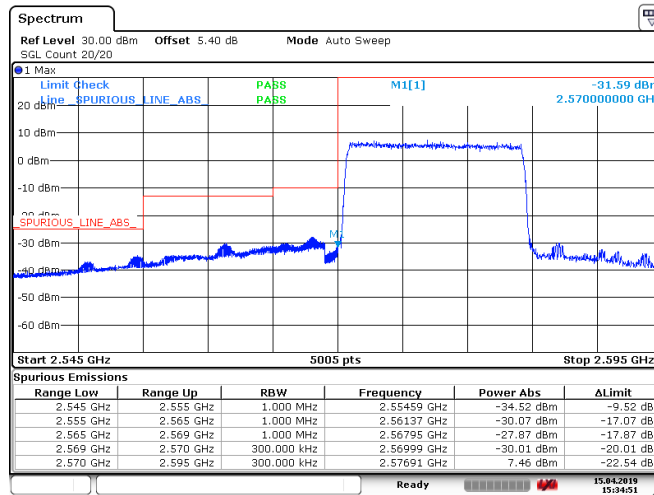


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Date: 15 APR 2019 15:34:32

Band38_15MHz_64QAM_37825_75RB#0

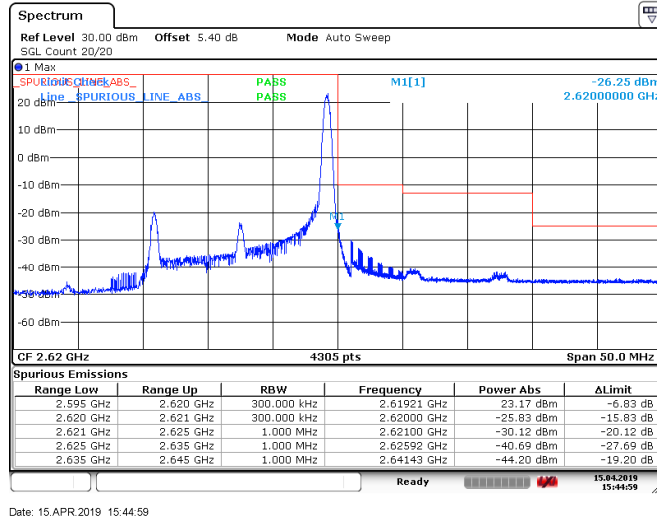


Date: 15 APR 2019 15:34:50

Band38_15MHz_64QAM_38175_1RB#74

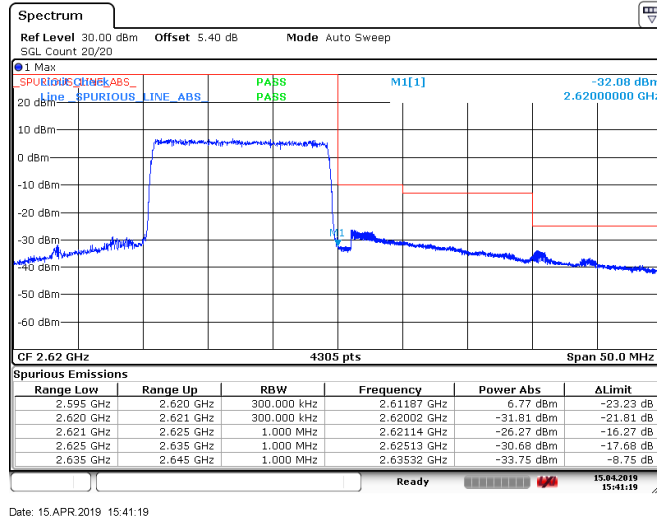


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Date: 15 APR 2019 15:44:59

Band38_15MHz_64QAM_38175_75RB#0



Date: 15 APR 2019 15:41:19

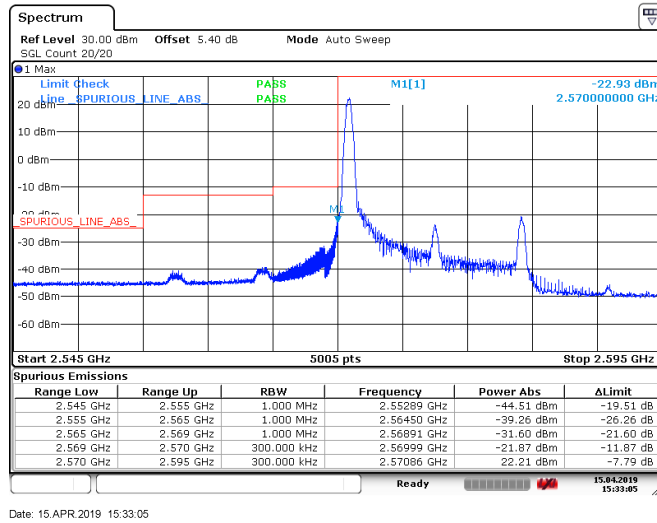
Band38_15MHz_16QAM_37825_1RB#0



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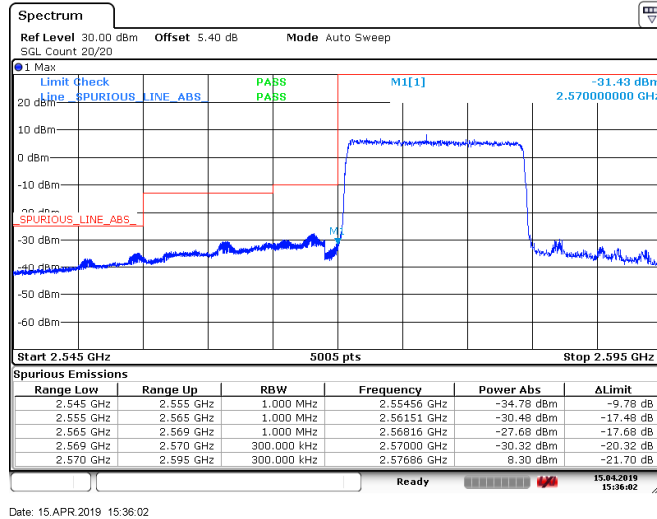
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Date: 15 APR 2019 15:33:05

Band38_15MHz_16QAM_37825_75RB#0



Date: 15 APR 2019 15:36:02

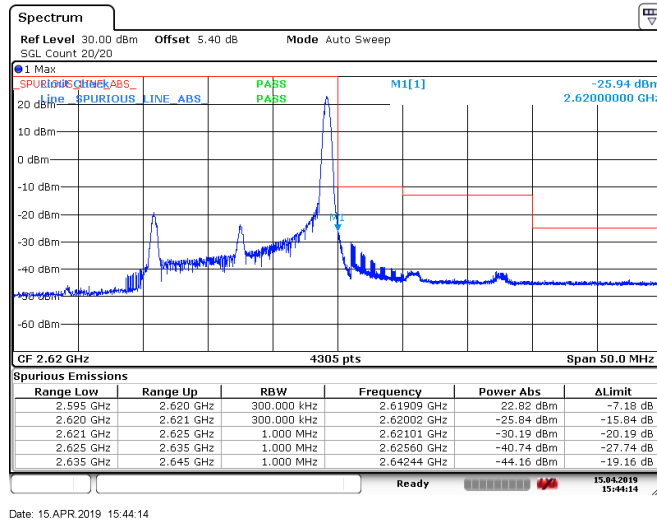
Band38_15MHz_16QAM_38175_1RB#74



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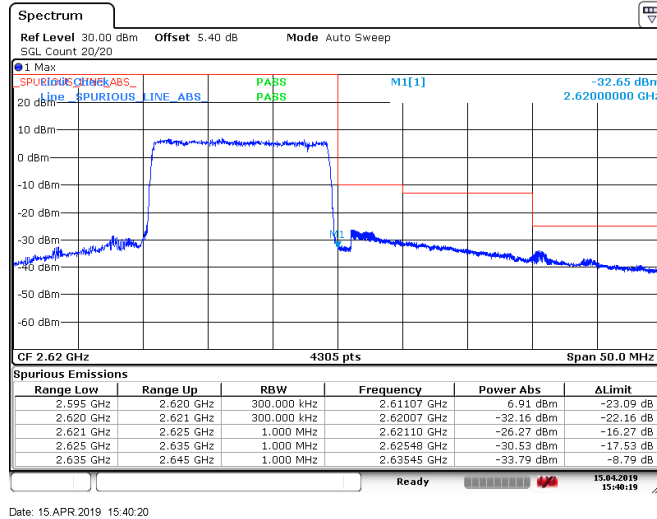
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Date: 15 APR 2019 15:44:14

Band38_15MHz_16QAM_38175_75RB#0



Date: 15 APR 2019 15:40:20

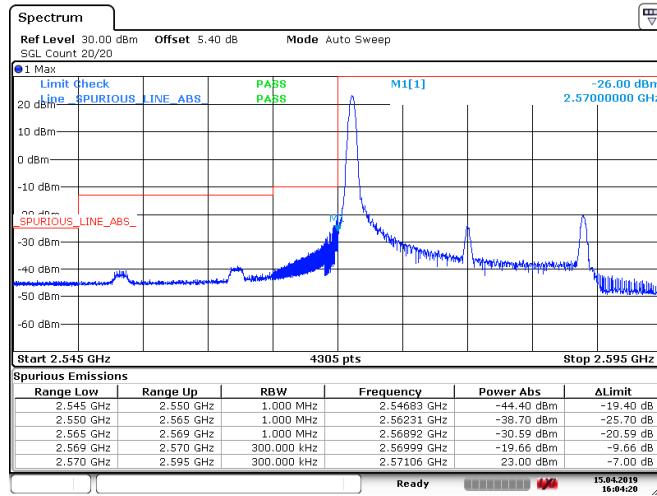
Band38_20MHz_QPSK_37850_1RB#0



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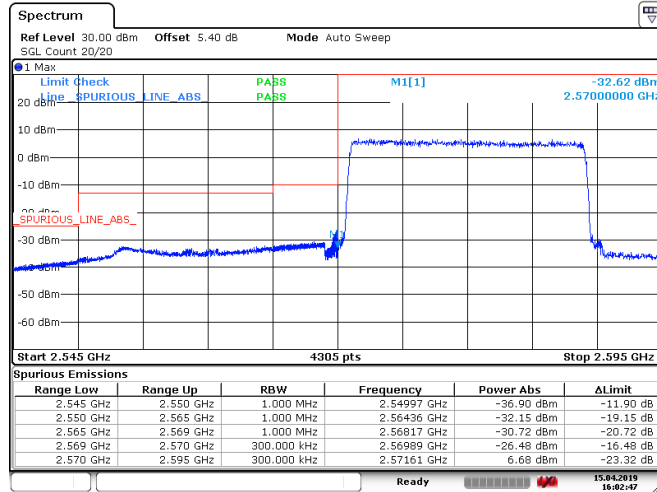
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Date: 15.APR.2019 16:04:20

Band38_20MHz_QPSK_37850_100RB#0

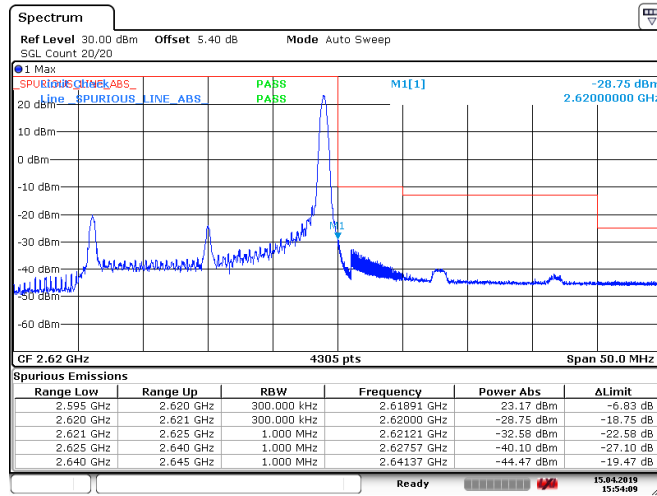


Date: 15.APR.2019 16:02:47

Band38_20MHz_QPSK_38150_1RB#99

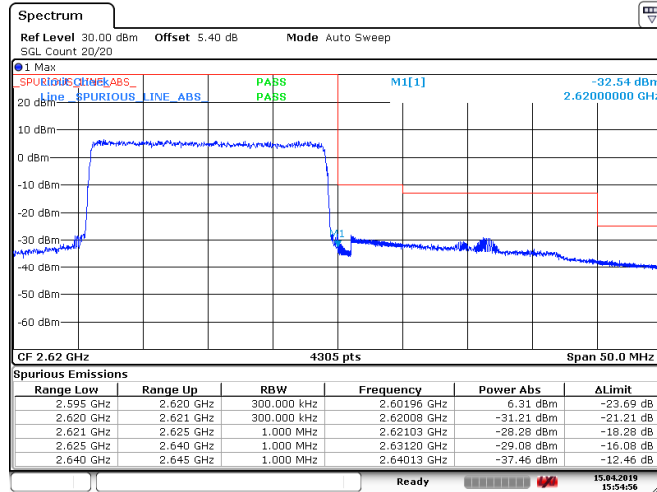


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Date: 15 APR 2019 15:54:09

Band38_20MHz_QPSK_38150_100RB#0

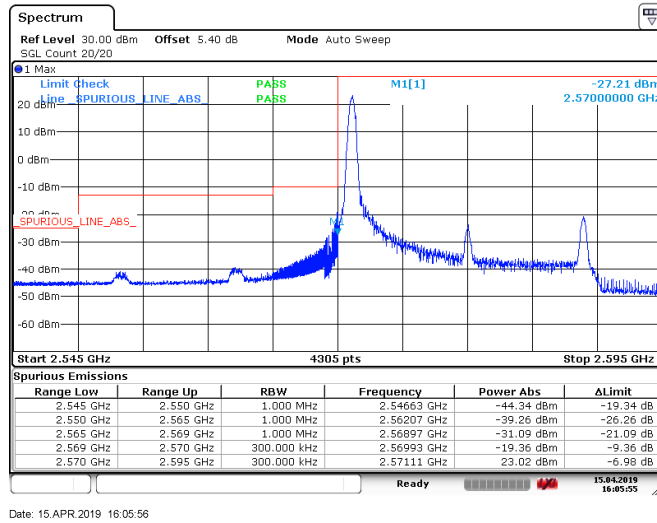


Date: 15 APR 2019 15:54:57

Band38_20MHz_64QAM_37850_1RB#0

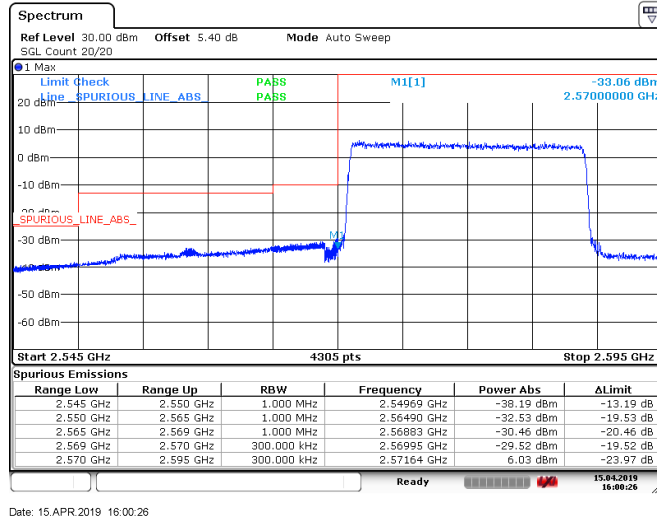


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Date: 15 APR 2019 16:05:56

Band38_20MHz_64QAM_37850_100RB#0



Date: 15 APR 2019 16:00:26

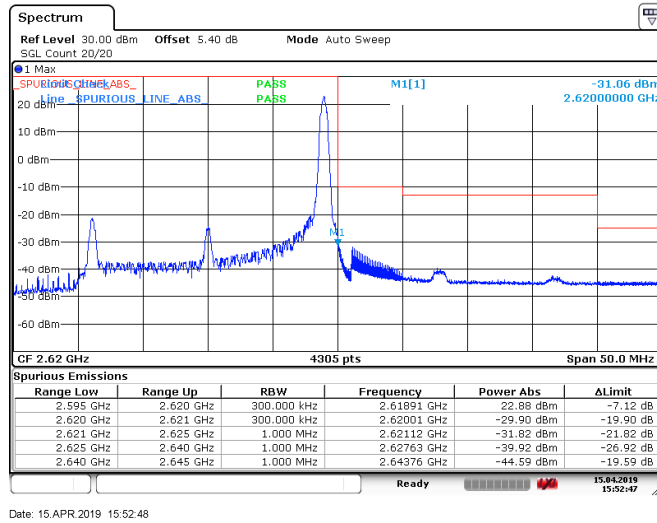
Band38_20MHz_64QAM_38150_1RB#99



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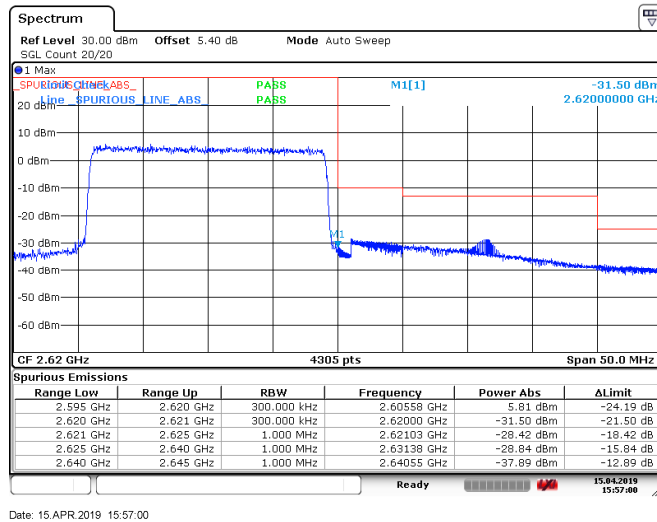
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Date: 15 APR 2019 15:52:48

Band38_20MHz_64QAM_38150_100RB#0

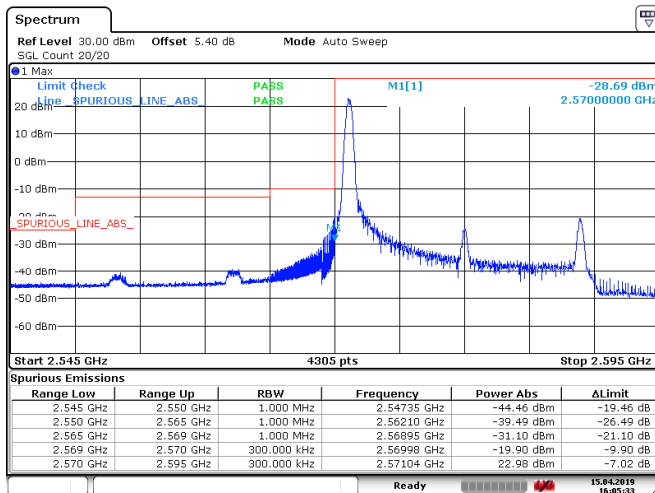


Date: 15 APR 2019 15:57:00

Band38_20MHz_16QAM_37850_1RB#0

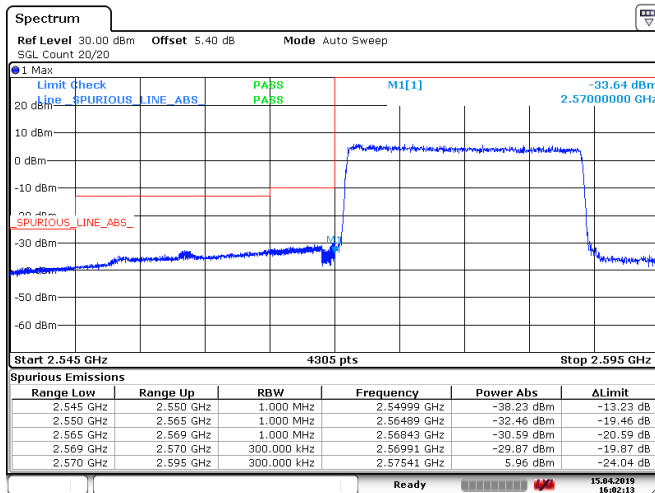


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Date: 15 APR 2019 16:05:33

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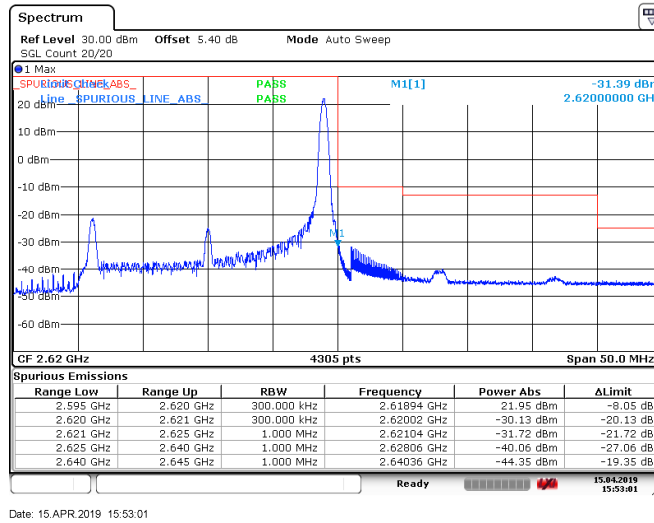


Date: 15 APR 2019 16:02:13

Band38_20MHz_16QAM_38150_1RB#99

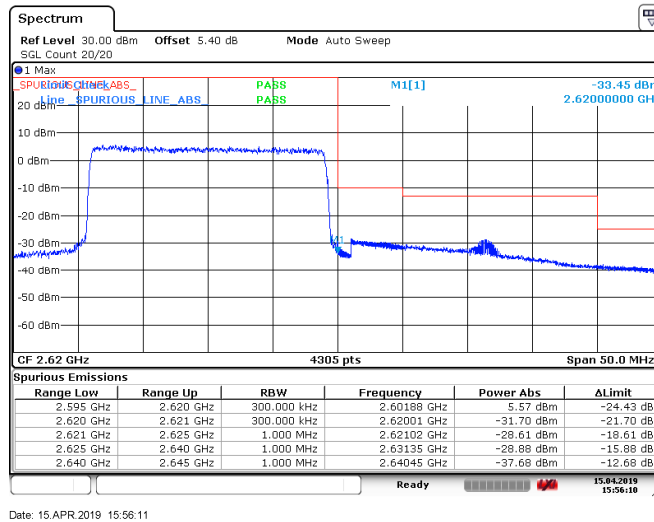


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Date: 15 APR 2019 15:53:01

Band38_20MHz_16QAM_38150_100RB#0



Date: 15 APR 2019 15:56:11



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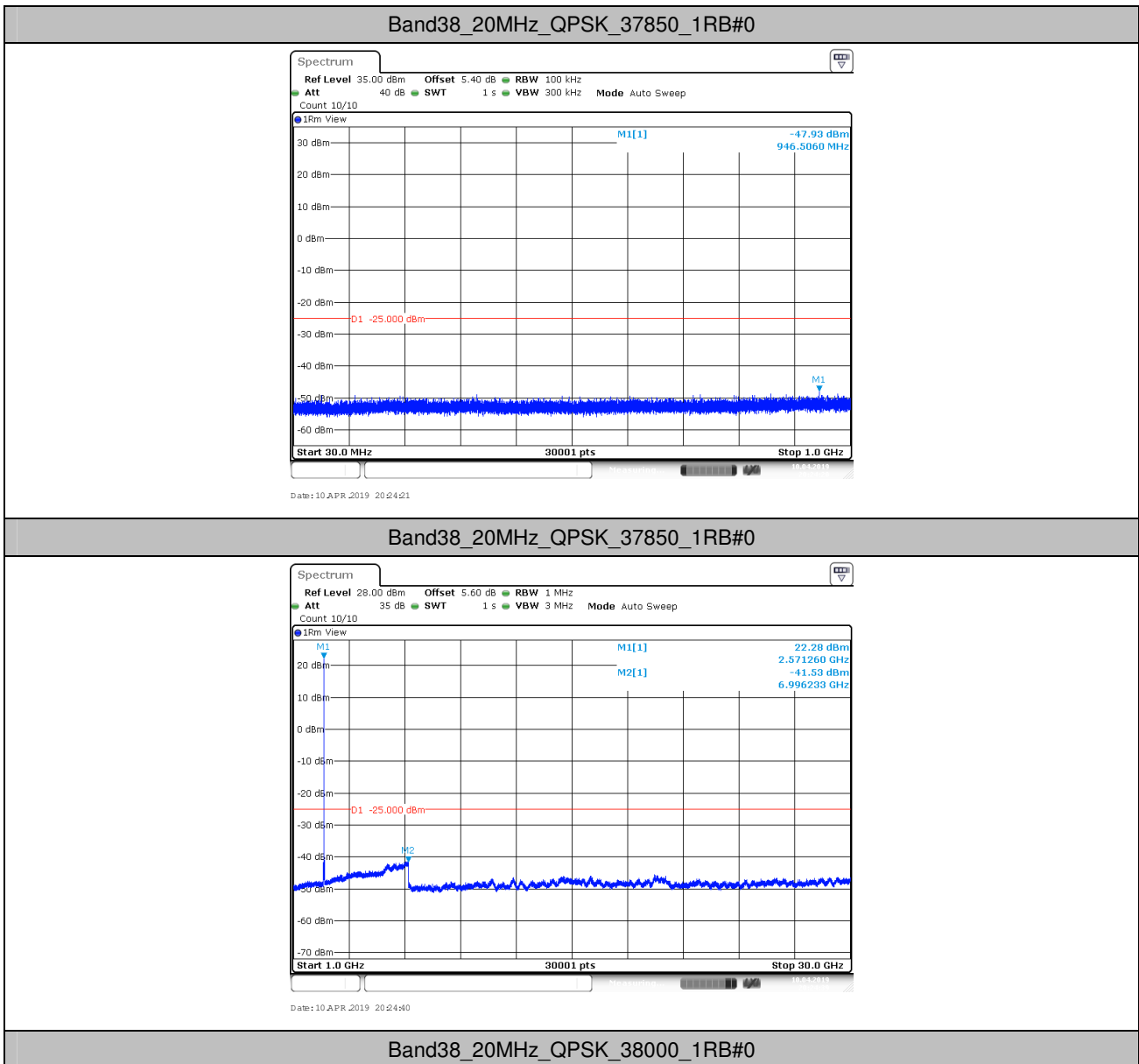
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6. Spurious Emission at Antenna Terminal

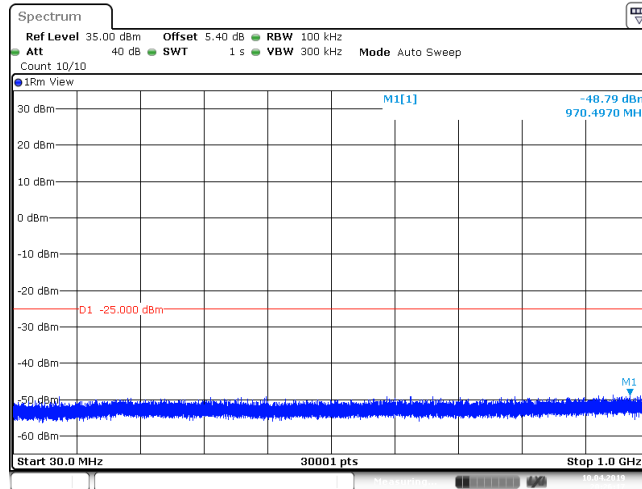
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =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

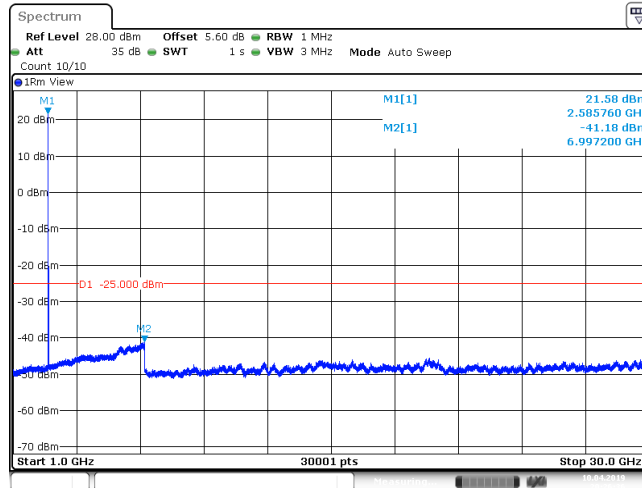


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Date: 10 APR.2019 20:26:17

Band38_20MHz_QPSK_38000_1RB#0

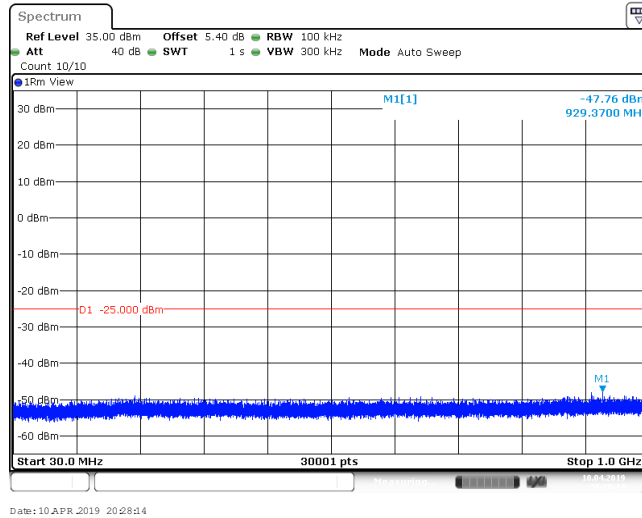


Date: 10 APR.2019 20:26:36

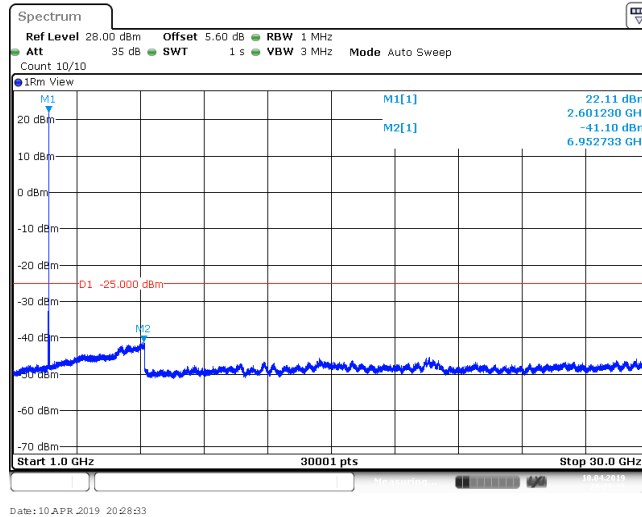
Band38_20MHz_QPSK_38150_1RB#0



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Band38_20MHz_QPSK_38150_1RB#0

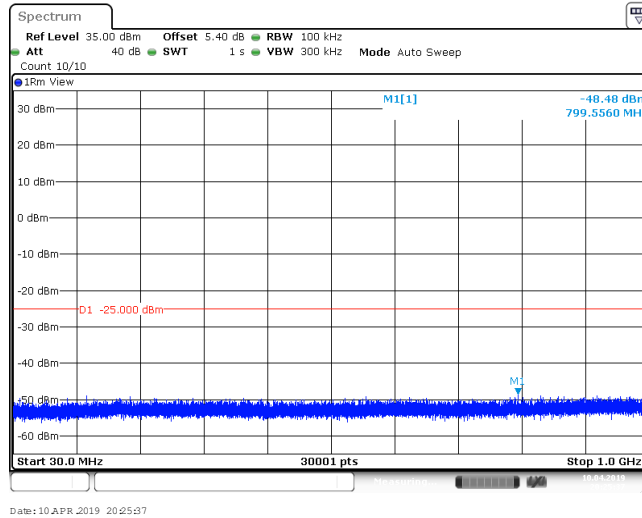


Band38_20MHz_64QAM_37850_1RB#0

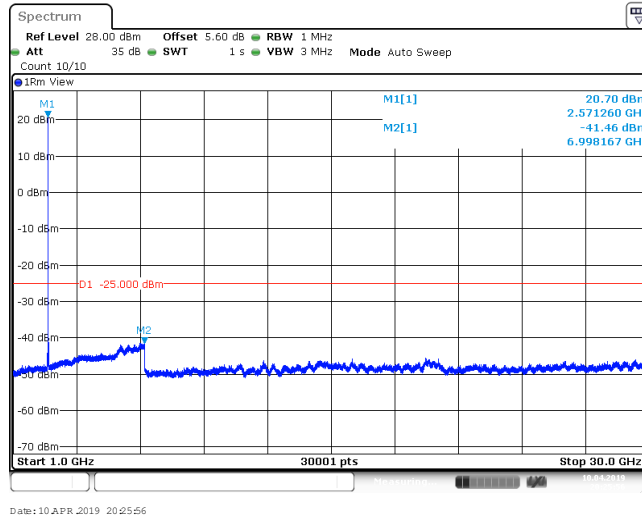


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Band38_20MHz_64QAM_37850_1RB#0

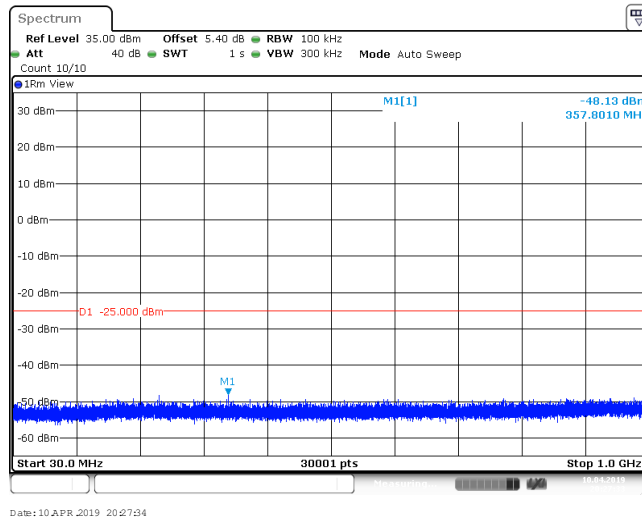


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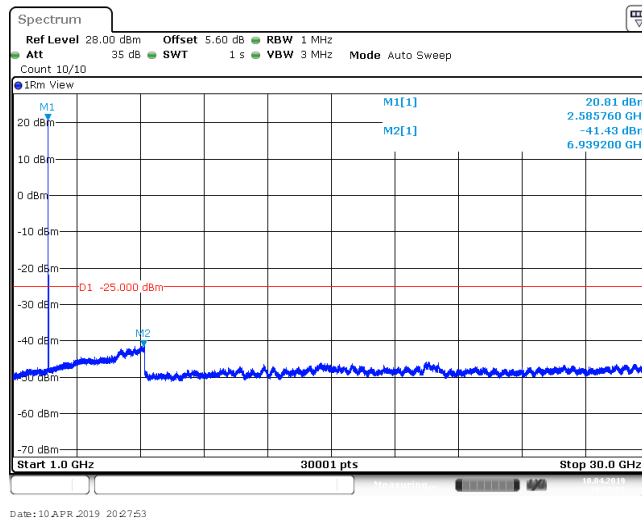


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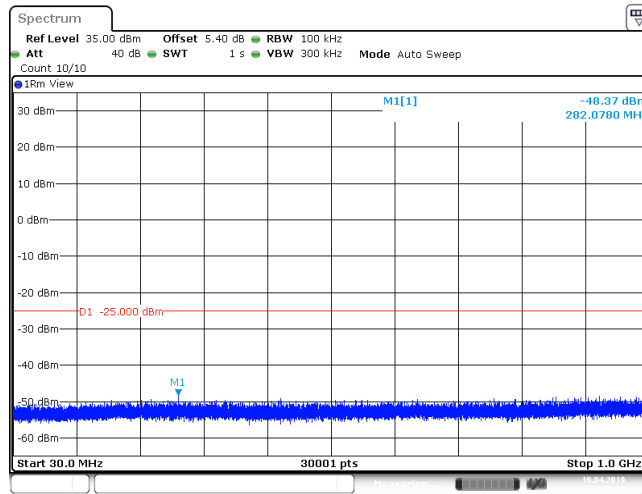
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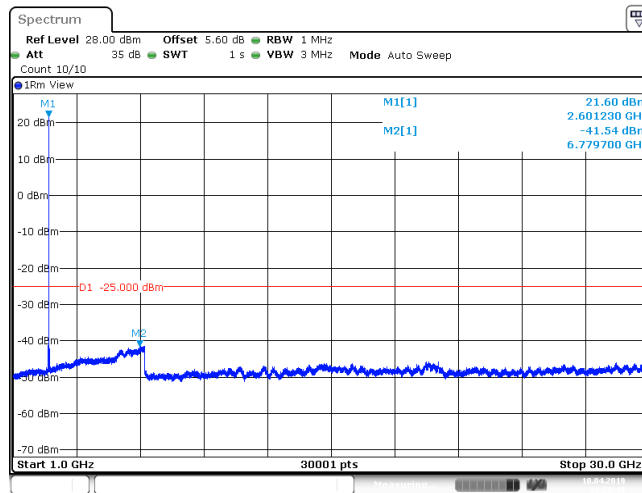


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Date: 10 APR.2019 20:29:31

Band38_20MHz_64QAM_38150_1RB#0

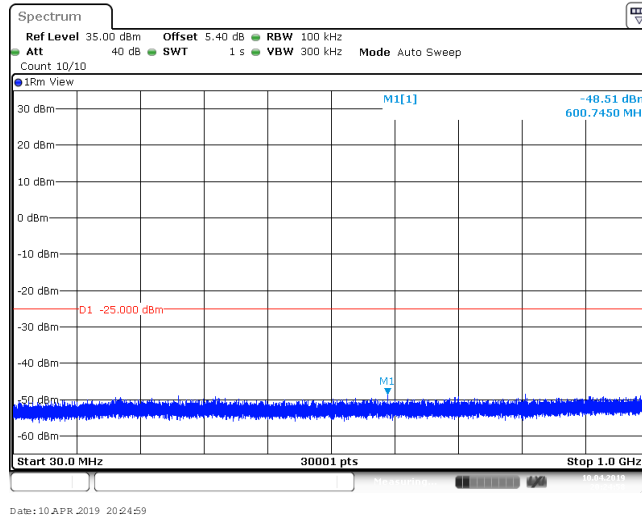


Date: 10 APR.2019 20:29:50

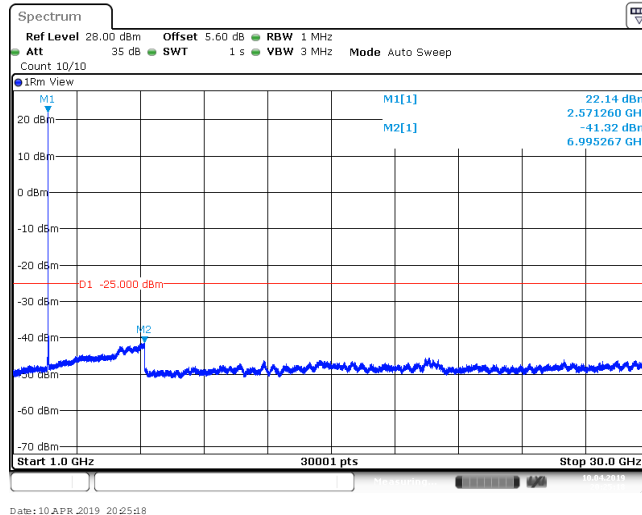
Band38_20MHz_16QAM_37850_1RB#0



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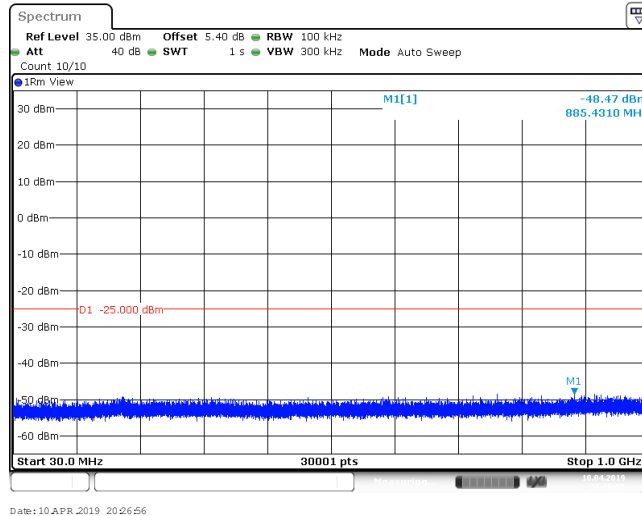
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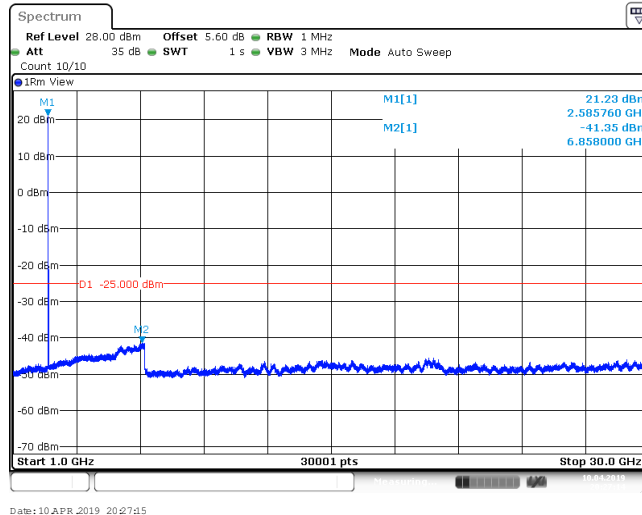
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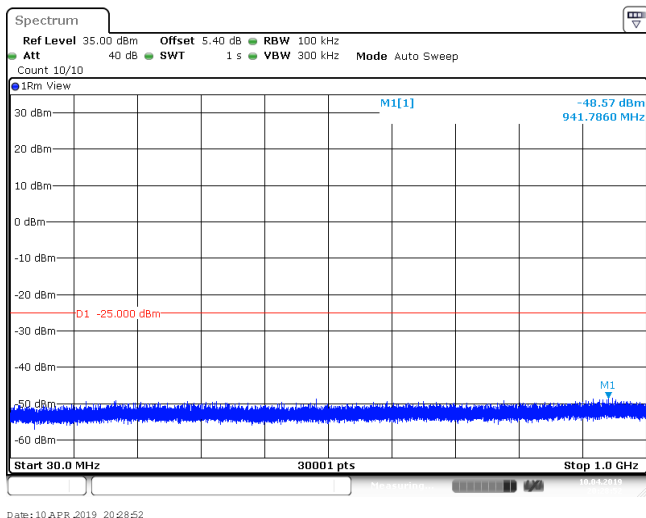


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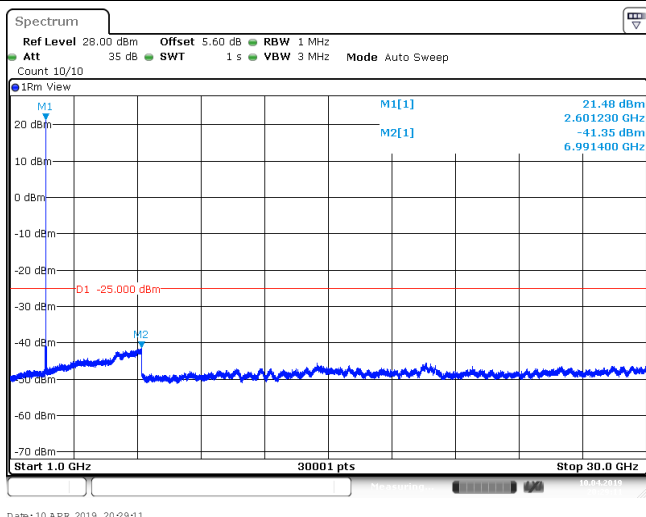


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Band38_20MHz_16QAM_38150_1RB#0



7. Field Strength of Spurious Radiation

7.1. Main Antenna

7.1.1. Test BAND = LTE Band 38

7.1.1.1. Test Mode = LTE/TM1 20MHz

7.1.1.1.1. Test Channel = LCH

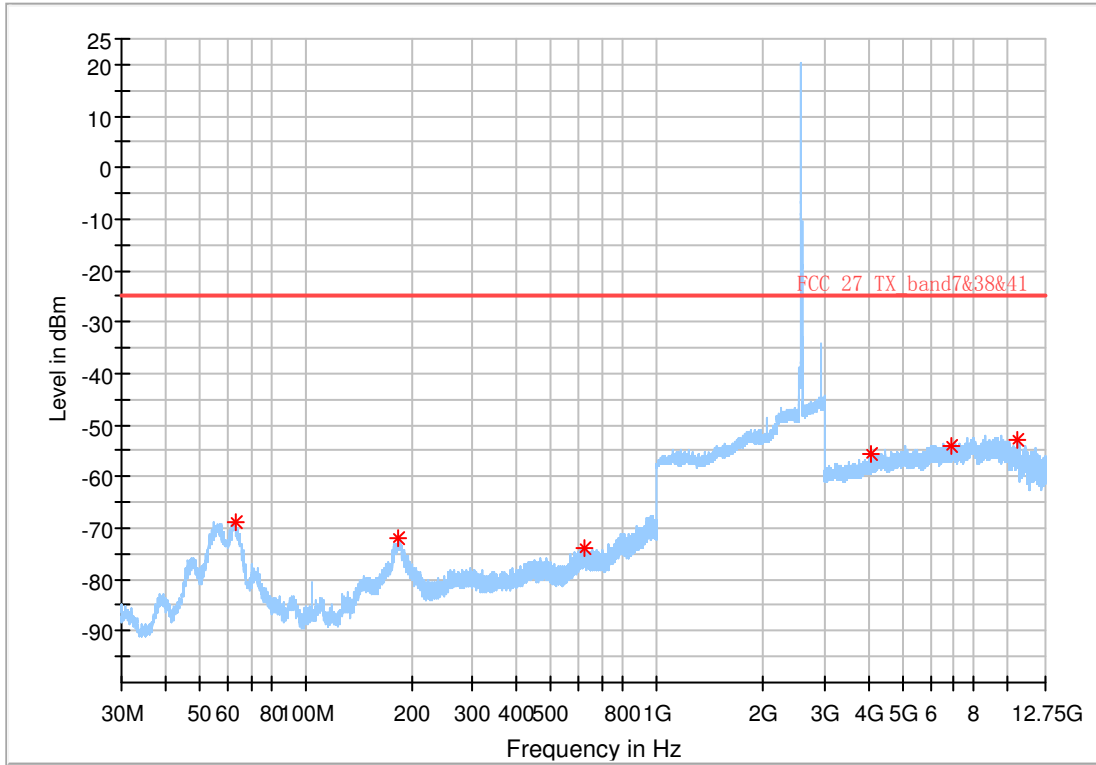


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7.1.1.1.1. Horizontal

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.400000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-96.1
184.150000	-72.07	-25.00	47.07	---	---	200.0	H	32.0	-106.9
619.858333	-73.91	-25.00	48.91	---	---	200.0	H	262.0	-97.9
4050.725000	-55.71	-25.00	30.71	---	---	200.0	H	212.0	-103.6
6870.425000	-53.89	-25.00	28.89	---	---	200.0	H	0.0	-99.3
10631.975000	-53.05	-25.00	28.05	---	---	200.0	H	0.0	-96.4

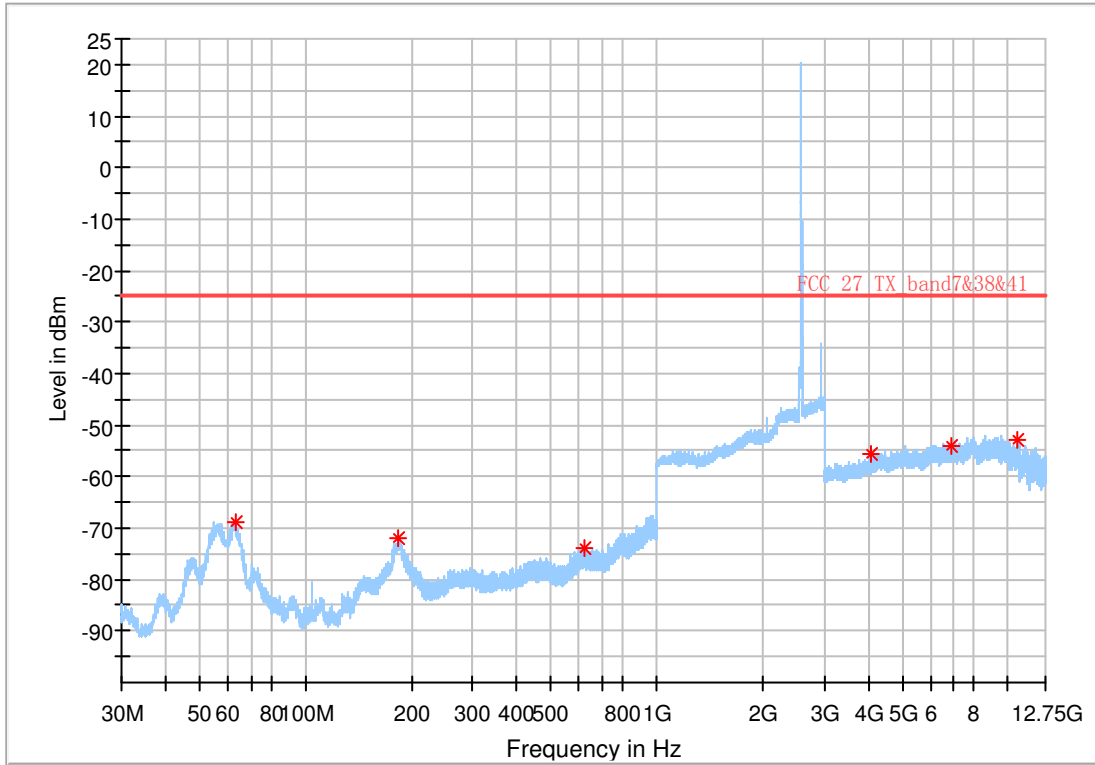


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7.1.1.1.1.2. Vertical

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.400000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-96.1
184.150000	-72.07	-25.00	47.07	---	---	200.0	H	32.0	-106.9
619.858333	-73.91	-25.00	48.91	---	---	200.0	H	262.0	-97.9
4050.725000	-55.71	-25.00	30.71	---	---	200.0	H	212.0	-103.6
6870.425000	-53.89	-25.00	28.89	---	---	200.0	H	0.0	-99.3
10631.975000	-53.05	-25.00	28.05	---	---	200.0	H	0.0	-96.4



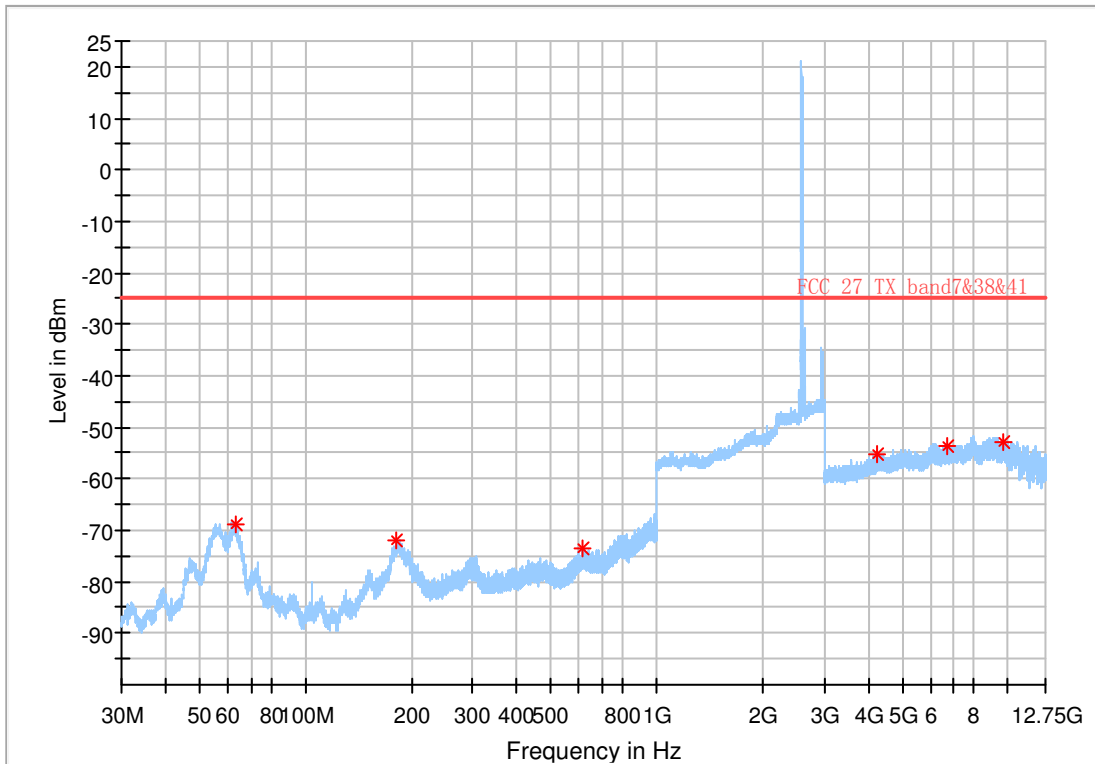
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7.1.1.1.2. Test Channel = MCH

7.1.1.1.2.1. Horizontal

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2

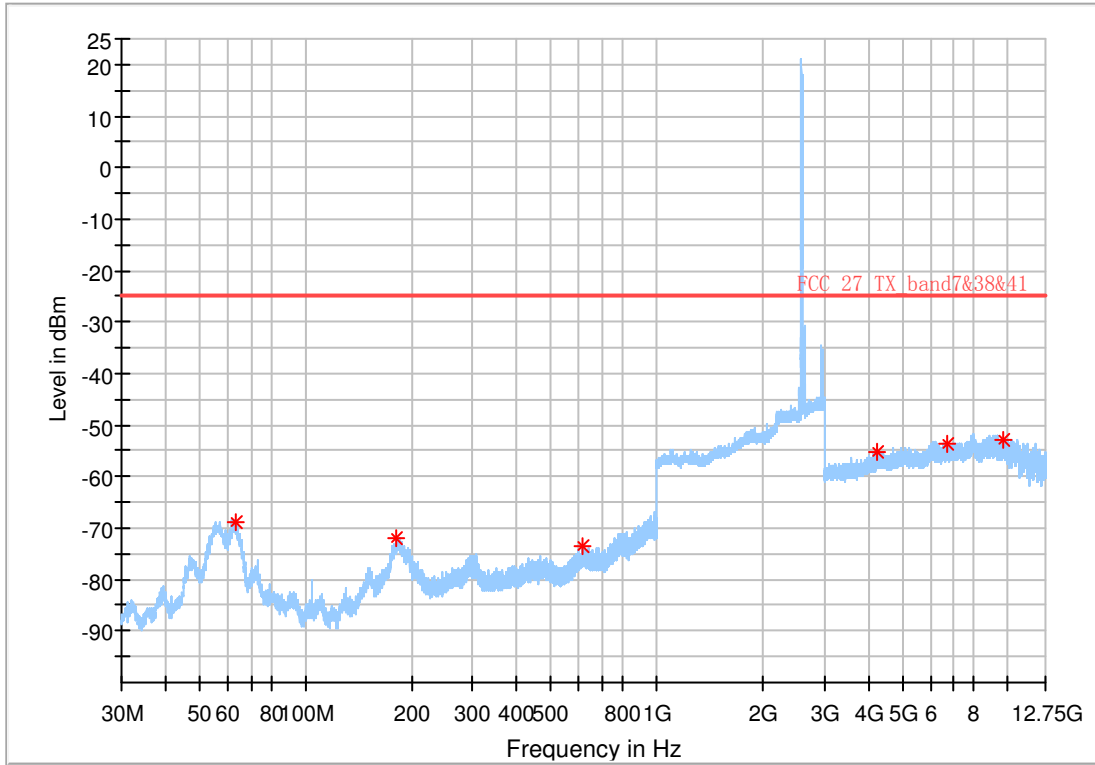


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7.1.1.1.2.2. Vertical

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2



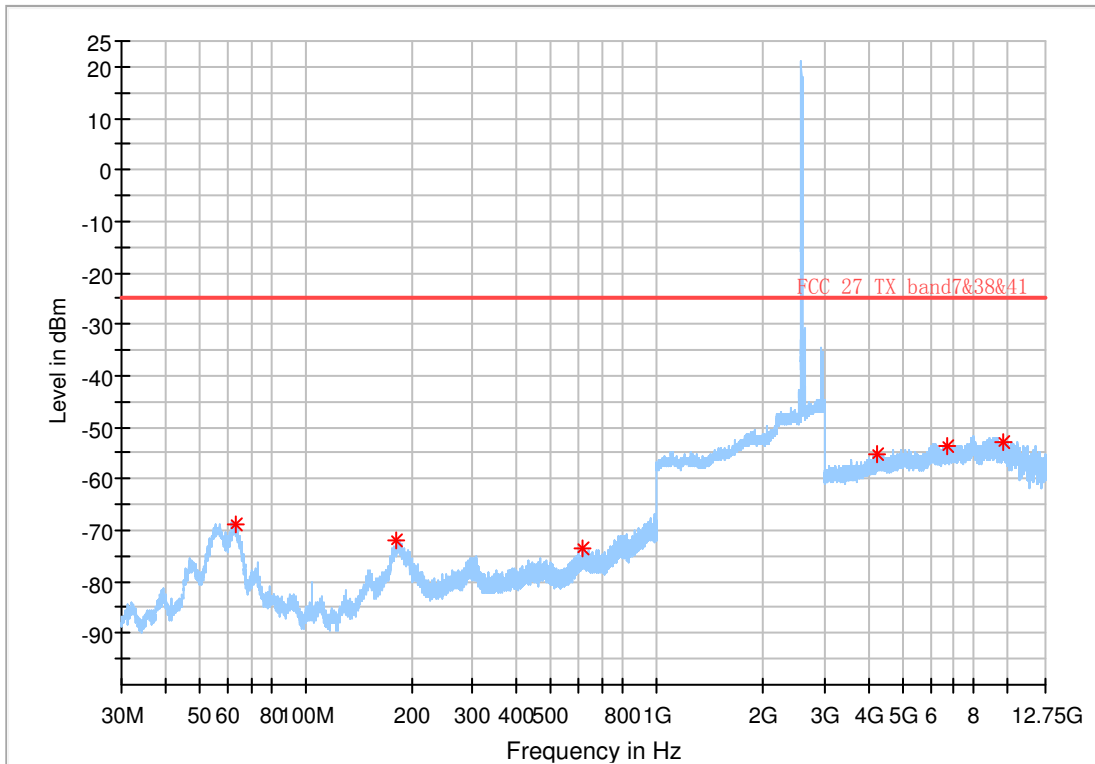
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7.1.1.1.3. Test Channel = HCH

7.1.1.1.3.1. Horizontal

Full Spectrum



Critical_Freqs

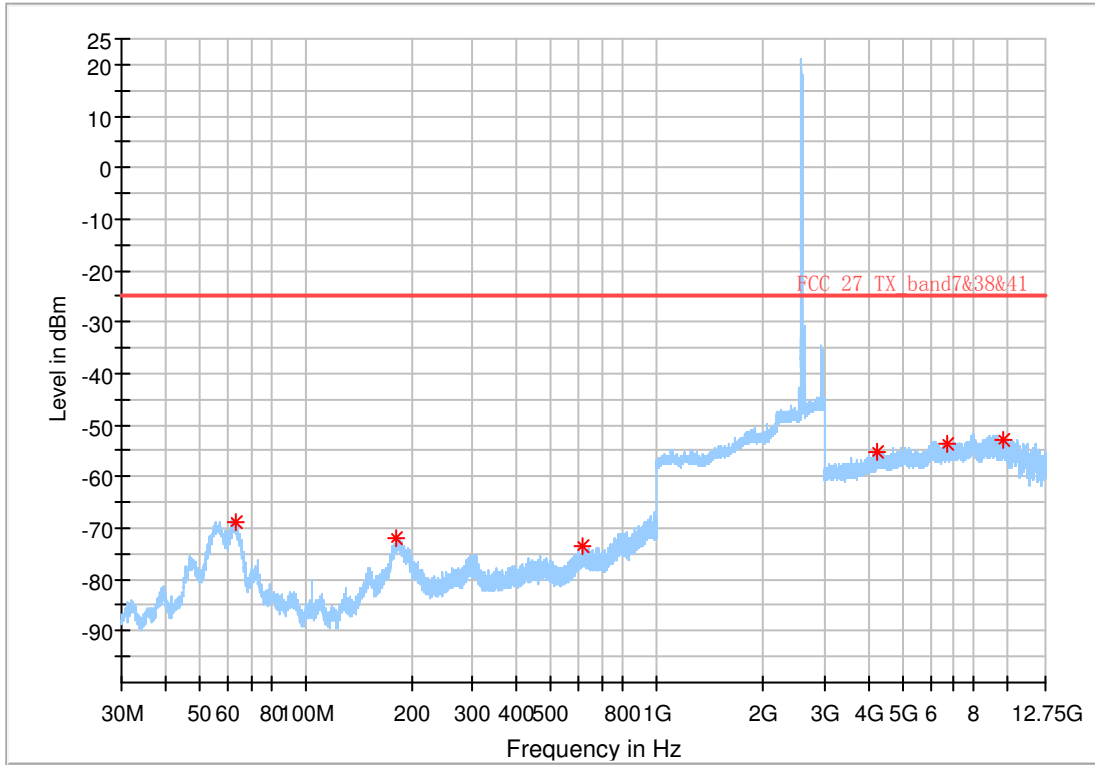
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2



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7.1.1.1.3.2. Vertical

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2



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7.2. Secondary Antenna

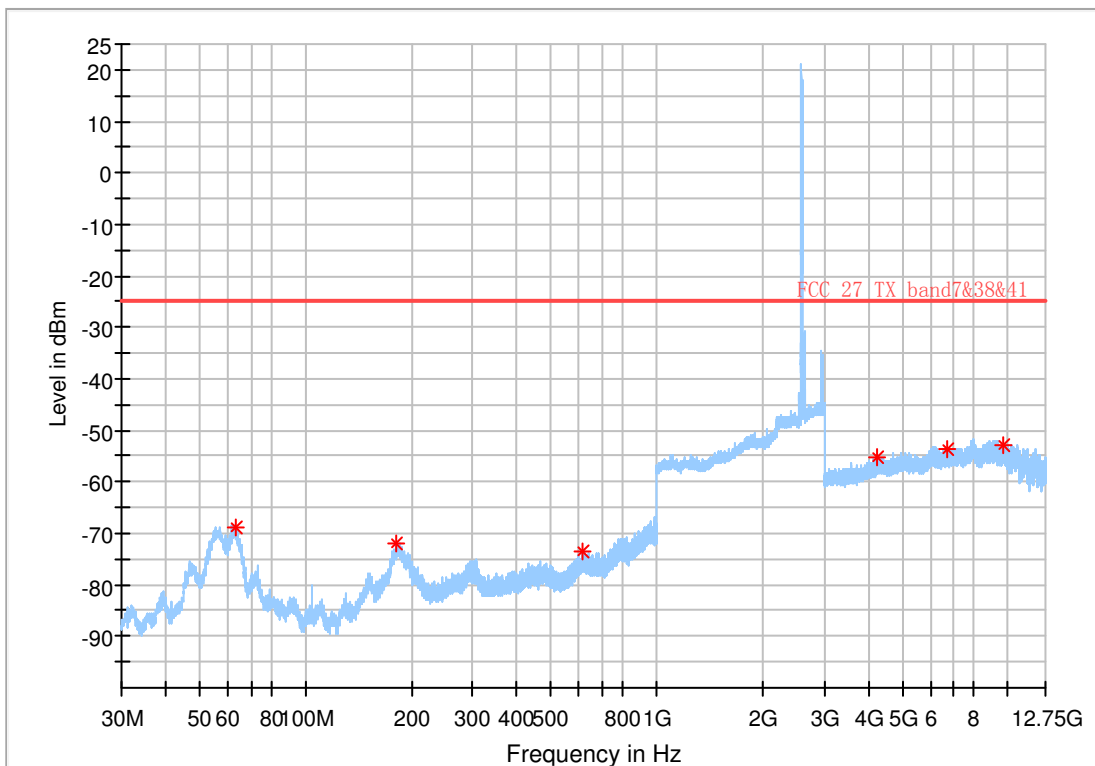
7.2.1. Test BAND = LTE Band 38

7.2.1.1. Test Mode = LTE/TM1 20MHz

7.2.1.1.1. Test Channel = LCH

7.2.1.1.1.1. Horizontal

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2

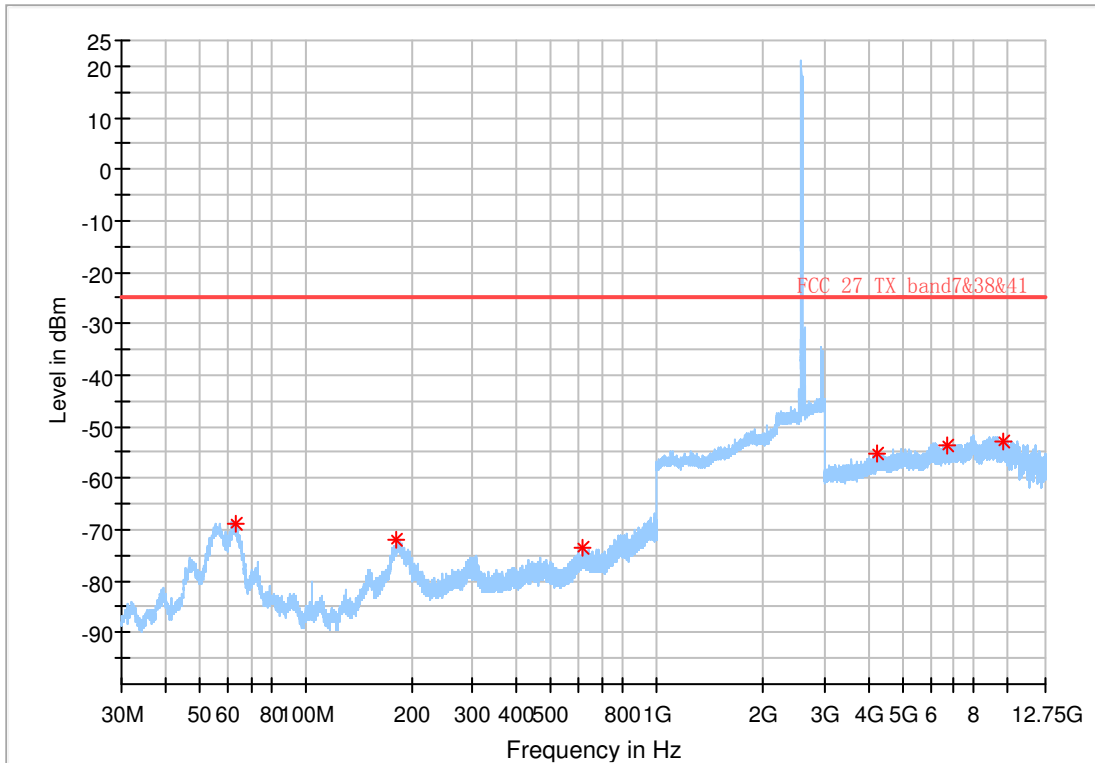


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7.2.1.1.1.2. Vertical

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2



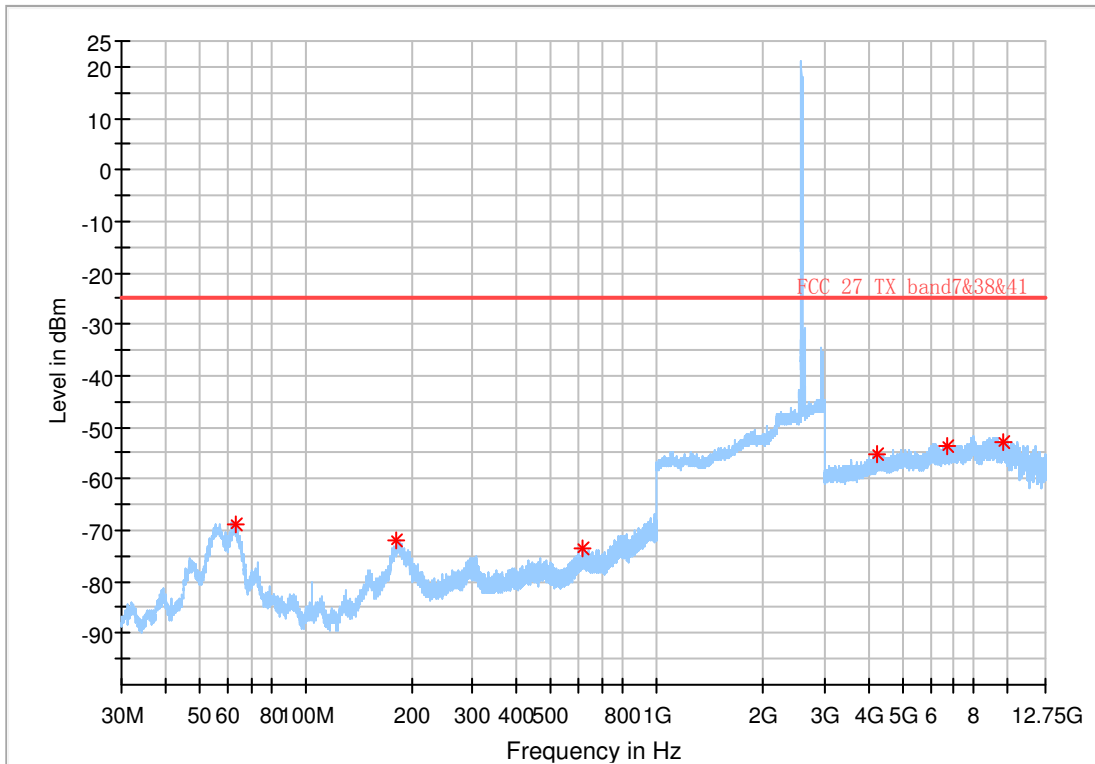
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7.2.1.1.2. Test Channel = MCH

7.2.1.1.2.1. Horizontal

Full Spectrum



Critical_Freqs

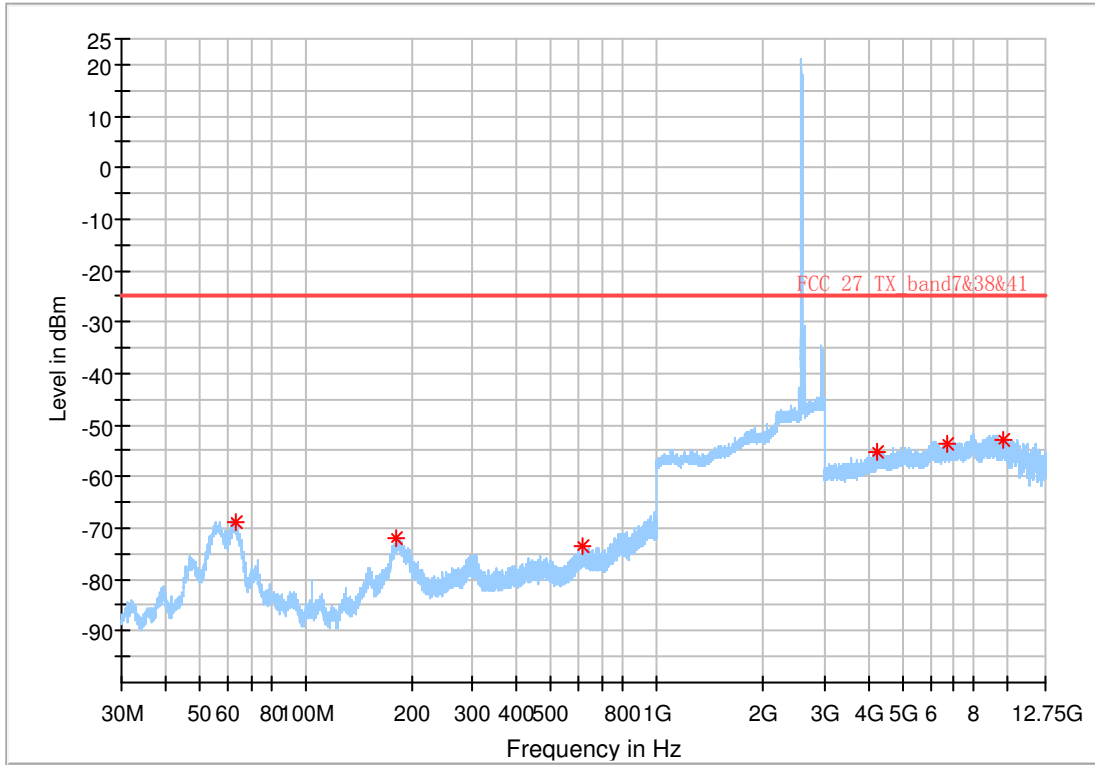
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2



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7.2.1.1.2.2. Vertical

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2



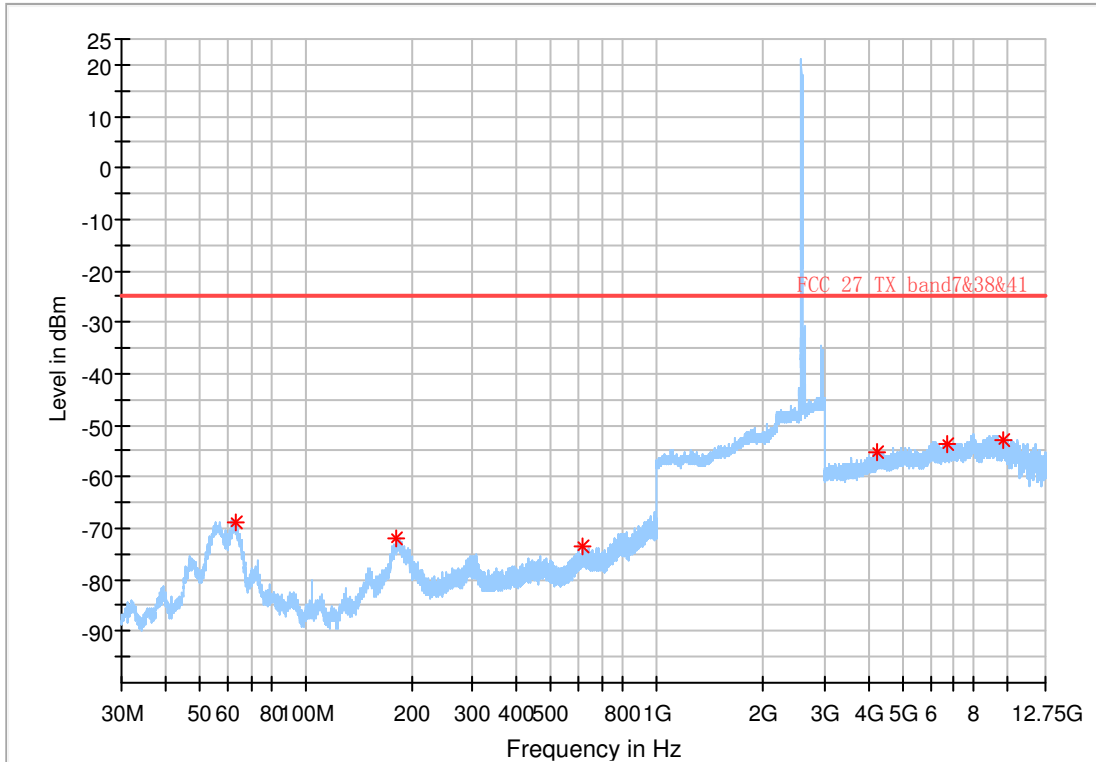
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7.2.1.1.3. Test Channel = HCH

7.2.1.1.3.1. Horizontal

Full Spectrum



Critical_Freqs

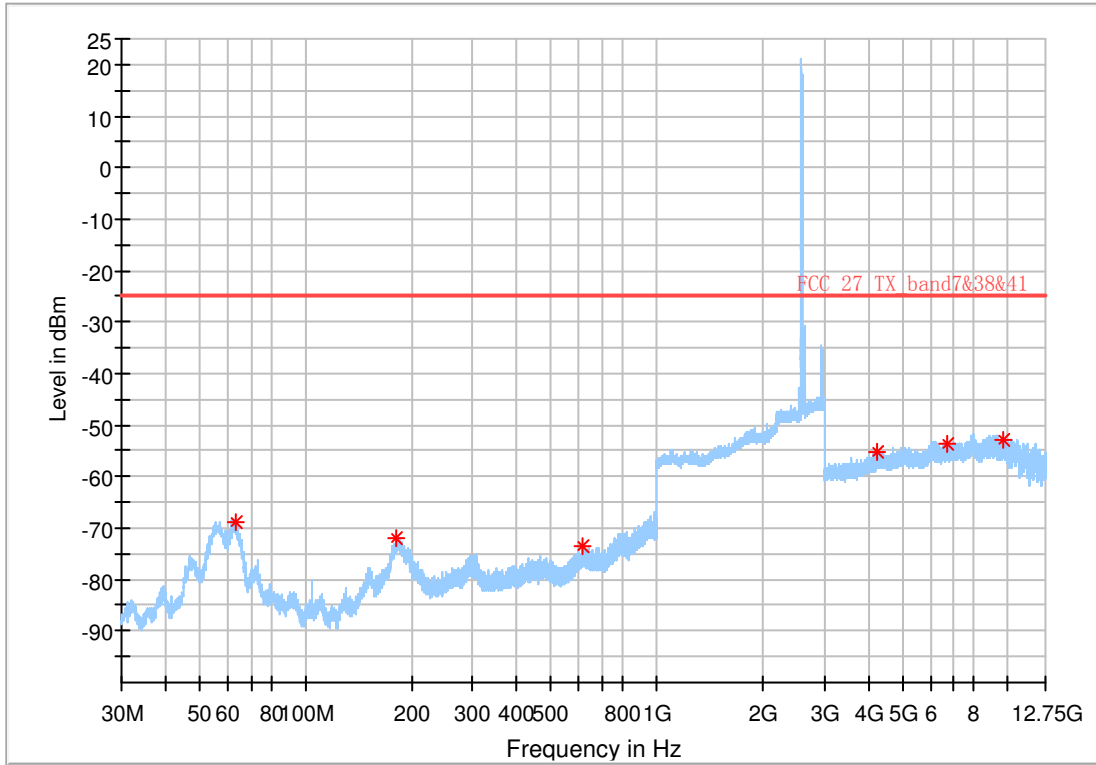
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (min)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2



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7.2.1.1.3.2. Vertical

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (sec)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2

Remark:

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

We have tested all modulation and all Bandwidth , but only the worst case data presented in this report.



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8. Frequency Stability

8.1. Frequency Vs Voltage

Voltage										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	VL	NT	-9.86	-0.003822	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VN	NT	-11.59	-0.004492	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VH	NT	-10.60	-0.004109	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-11.29	-0.004351	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-11.00	-0.004239	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-12.86	-0.004956	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VL	NT	-13.86	-0.005310	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VN	NT	-11.63	-0.004456	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VH	NT	-12.87	-0.004931	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VL	NT	-11.14	-0.004318	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VN	NT	-9.46	-0.003667	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VH	NT	-10.67	-0.004136	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VL	NT	-11.12	-0.004285	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VN	NT	-11.76	-0.004532	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VH	NT	-11.72	-0.004516	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VL	NT	-12.36	-0.004736	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VN	NT	-11.63	-0.004456	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VH	NT	-13.88	-0.005318	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VL	NT	-10.10	-0.003915	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VN	NT	-11.89	-0.004609	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VH	NT	-9.60	-0.003721	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VL	NT	-12.95	-0.004990	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VN	NT	-13.03	-0.005021	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VH	NT	-12.77	-0.004921	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VL	NT	-11.54	-0.004421	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VN	NT	-12.30	-0.004713	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VH	NT	-10.16	-0.003893	±2.5	PASS

8.2. Frequency Vs Temperature

Temperature



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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	-10.43	-0.004043	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-20	-12.10	-0.004690	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	0	-10.07	-0.003903	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	10	-11.17	-0.004329	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	20	-9.07	-0.003516	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	30	-10.47	-0.004058	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	40	-10.06	-0.003899	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	50	-11.16	-0.004326	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-13.63	-0.005252	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	-10.76	-0.004146	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	-14.03	-0.005407	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-14.28	-0.005503	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	-13.29	-0.005121	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-13.00	-0.005010	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-14.93	-0.005753	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	-16.19	-0.006239	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-30	-13.07	-0.005008	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-20	-12.67	-0.004854	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	0	-14.79	-0.005667	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	10	-12.52	-0.004797	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	20	-13.23	-0.005069	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	30	-13.35	-0.005115	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	40	-12.23	-0.004686	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	50	-12.85	-0.004923	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-30	-10.20	-0.003953	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-20	-9.24	-0.003581	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	0	-10.74	-0.004163	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	10	-9.98	-0.003868	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	20	-9.13	-0.003539	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	30	-11.19	-0.004337	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	40	-10.00	-0.003876	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	50	-9.33	-0.003616	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-30	-12.10	-0.004663	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-20	-10.91	-0.004204	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	0	-12.52	-0.004825	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	10	-11.93	-0.004597	±2.5	PASS



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Band38	20MHz	64QAM	38000	100RB#0	NV	20	-11.44	-0.004408	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	30	-13.53	-0.005214	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	40	-12.42	-0.004786	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	50	-14.56	-0.005611	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-30	-12.57	-0.004816	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-20	-14.36	-0.005502	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	0	-15.38	-0.005893	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	10	-14.12	-0.005410	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	20	-14.66	-0.005617	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	30	-13.59	-0.005207	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	40	-12.42	-0.004759	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	50	-12.97	-0.004969	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-30	-10.46	-0.004054	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-20	-10.80	-0.004186	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	0	-9.90	-0.003837	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	10	-10.74	-0.004163	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	20	-11.80	-0.004574	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	30	-10.76	-0.004171	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	40	-10.56	-0.004093	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	50	-10.57	-0.004097	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-30	-12.82	-0.004940	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-20	-15.29	-0.005892	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	0	-12.56	-0.004840	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	10	-12.19	-0.004697	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	20	-12.73	-0.004906	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	30	-11.50	-0.004432	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	40	-13.19	-0.005083	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	50	-13.05	-0.005029	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-30	-11.34	-0.004345	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-20	-10.87	-0.004165	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	0	-12.75	-0.004885	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	10	-11.66	-0.004467	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	20	-11.09	-0.004249	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	30	-12.32	-0.004720	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	40	-11.42	-0.004375	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	50	-11.57	-0.004433	±2.5	PASS

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