



# Appendix B

## E-UTRA Band 38



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# 1. Effective (Isotropic) Radiated Power

## 1.1. Test Result for Down Antenna

BAND	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	22.16	24.31	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	21.86	24.01	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.26	24.41	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	21.33	23.48	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	21.26	23.41	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	21.35	23.50	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	21.20	23.35	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.22	24.37	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	21.99	24.14	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	22.26	24.41	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.32	23.47	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	21.29	23.44	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.35	23.50	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	21.26	23.41	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.31	24.46	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	22.05	24.20	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.32	24.47	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.13	23.28	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.11	23.26	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.43	23.58	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.09	23.24	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	20.54	22.69	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	20.72	22.87	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	20.63	22.78	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#0	19.82	21.97	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#6	19.65	21.80	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#13	19.43	21.58	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	19.81	21.96	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	20.54	22.69	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	20.79	22.94	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	20.61	22.76	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#0	19.74	21.89	33.00	PASS



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Band38	5MHz	64QAM	38000	12RB#6	19.55	21.70	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#13	19.78	21.93	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	19.56	21.71	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	20.67	22.82	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	20.46	22.61	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	20.80	22.95	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#0	19.46	21.61	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#6	19.48	21.63	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#13	19.55	21.70	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	19.50	21.65	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.44	23.59	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.38	23.53	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.58	23.73	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.30	22.45	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.23	22.38	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.32	22.47	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.18	22.33	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.37	23.52	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.33	23.48	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.41	23.56	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.28	22.43	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.27	22.42	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.32	22.47	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.25	22.40	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.47	23.62	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.20	23.35	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.40	23.55	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.07	22.22	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.05	22.20	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.41	22.56	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.06	22.21	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.22	24.37	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.07	24.22	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.22	24.37	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.30	23.45	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.28	23.43	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#25	21.31	23.46	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	21.26	23.41	33.00	PASS



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Band38	10MHz	QPSK	38000	1RB#0	22.24	24.39	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.18	24.33	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.18	24.33	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#0	21.14	23.29	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.11	23.26	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.30	23.45	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.20	23.35	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.28	24.43	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.24	24.39	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.27	24.42	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.34	23.49	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.35	23.50	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.43	23.58	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.32	23.47	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	20.48	22.63	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	20.63	22.78	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#49	20.62	22.77	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#0	19.46	21.61	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#12	19.50	21.65	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#25	19.79	21.94	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	19.80	21.95	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	20.82	22.97	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	20.62	22.77	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	20.61	22.76	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#0	19.68	21.83	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#12	19.45	21.60	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#25	19.79	21.94	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	19.59	21.74	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	20.78	22.93	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	20.82	22.97	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	20.67	22.82	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#0	19.64	21.79	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#12	19.71	21.86	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#25	19.43	21.58	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	19.59	21.74	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	21.57	23.72	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	21.42	23.57	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	21.48	23.63	33.00	PASS



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Band38	10MHz	16QAM	37800	25RB#0	20.28	22.43	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.25	22.40	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.28	22.43	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.21	22.36	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.58	23.73	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.35	23.50	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.43	23.58	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.09	22.24	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.26	22.41	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.27	22.42	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.12	22.27	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.62	23.77	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.46	23.61	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.60	23.75	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.26	22.41	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.28	22.43	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.40	22.55	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.27	22.42	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.25	24.40	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.28	24.43	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.21	24.36	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#0	21.33	23.48	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#18	21.30	23.45	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#39	21.27	23.42	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	21.30	23.45	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.22	24.37	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.21	24.36	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.14	24.29	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#0	21.30	23.45	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#18	21.23	23.38	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#39	21.31	23.46	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.24	23.39	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.26	24.41	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.39	24.54	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.32	24.47	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#0	21.18	23.33	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#18	21.39	23.54	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#39	21.49	23.64	33.00	PASS



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Band38	15MHz	QPSK	38175	75RB#0	21.38	23.53	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	20.54	22.69	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	20.64	22.79	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	20.47	22.62	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#0	19.57	21.72	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#18	19.76	21.91	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#39	19.66	21.81	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	19.59	21.74	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	20.52	22.67	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	20.76	22.91	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	20.44	22.59	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#0	19.50	21.65	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#18	19.75	21.90	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#39	19.65	21.80	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	19.55	21.70	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	20.69	22.84	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	20.65	22.80	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	20.70	22.85	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#0	19.67	21.82	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#18	19.64	21.79	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#39	19.62	21.77	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	19.57	21.72	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	21.52	23.67	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	21.62	23.77	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.53	23.68	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#0	20.31	22.46	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#18	20.27	22.42	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#39	20.25	22.40	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.27	22.42	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.56	23.71	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.55	23.70	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.45	23.60	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#0	20.27	22.42	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#18	20.20	22.35	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#39	20.28	22.43	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.21	22.36	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.61	23.76	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.73	23.88	33.00	PASS



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Band38	15MHz	16QAM	38175	1RB#74	21.57	23.72	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#0	20.15	22.30	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#18	20.29	22.44	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#39	20.47	22.62	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.27	22.42	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.44	24.59	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.17	24.32	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.36	24.51	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	21.35	23.50	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.29	23.44	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.31	23.46	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.23	23.38	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.39	24.54	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.22	24.37	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.36	24.51	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.34	23.49	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#25	21.26	23.41	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.29	23.44	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.32	23.47	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.38	24.53	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	22.11	24.26	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.48	24.63	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.40	23.55	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.34	23.49	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.41	23.56	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.39	23.54	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	20.49	22.64	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	20.63	22.78	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	20.58	22.73	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#0	19.70	21.85	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#25	19.60	21.75	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#50	19.70	21.85	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	19.51	21.66	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	20.56	22.71	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	20.65	22.80	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	20.52	22.67	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#0	19.59	21.74	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#25	19.62	21.77	33.00	PASS



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Band38	20MHz	64QAM	38000	50RB#50	19.64	21.79	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	19.77	21.92	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	20.51	22.66	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#49	20.76	22.91	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	20.43	22.58	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#0	19.49	21.64	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#25	19.46	21.61	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#50	19.82	21.97	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	19.68	21.83	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.72	23.87	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.33	23.48	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.70	23.85	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.31	22.46	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	20.24	22.39	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.26	22.41	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.21	22.36	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.72	23.87	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.45	23.60	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.62	23.77	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.29	22.44	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.15	22.30	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.23	22.38	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.31	22.46	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.82	23.97	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.45	23.60	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.78	23.93	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.35	22.50	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.29	22.44	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.36	22.51	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.31	22.46	33.00	PASS

## 1.2. Test Result for Up Antenna

BAND	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	21.82	22.56	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	21.79	22.53	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	21.49	22.23	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	20.57	21.31	33.00	PASS



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Band38	5MHz	QPSK	37775	12RB#6	20.58	21.32	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	20.78	21.52	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	20.60	21.34	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	21.50	22.24	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	21.50	22.24	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	21.60	22.34	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	20.52	21.26	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	20.58	21.32	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	20.63	21.37	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	20.65	21.39	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	21.81	22.55	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	21.64	22.38	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	21.66	22.40	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	20.53	21.27	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	20.49	21.23	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	20.80	21.54	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	20.81	21.55	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	19.63	20.37	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	19.60	20.34	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	19.44	20.18	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#0	18.53	19.27	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#6	18.83	19.57	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#13	18.80	19.54	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	18.53	19.27	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	19.62	20.36	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	19.61	20.35	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	19.55	20.29	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#0	18.68	19.42	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#6	18.59	19.33	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#13	18.72	19.46	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	18.64	19.38	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	19.55	20.29	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	19.58	20.32	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	19.53	20.27	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#0	18.73	19.47	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#6	18.56	19.30	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#13	18.57	19.31	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	18.70	19.44	33.00	PASS



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Band38	5MHz	16QAM	37775	1RB#0	20.78	21.52	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	20.61	21.35	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	20.68	21.42	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	19.70	20.44	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	19.47	20.21	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	19.71	20.45	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	19.60	20.34	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	20.46	21.20	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	20.82	21.56	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	20.48	21.22	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#0	19.58	20.32	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	19.66	20.40	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	19.68	20.42	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	19.81	20.55	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	20.58	21.32	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	20.78	21.52	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	20.49	21.23	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#0	19.44	20.18	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#6	19.50	20.24	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	19.54	20.28	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	19.78	20.52	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	21.58	22.32	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	21.80	22.54	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	21.77	22.51	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	20.51	21.25	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	20.51	21.25	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#25	20.56	21.30	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	20.46	21.20	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	21.77	22.51	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	21.59	22.33	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	21.78	22.52	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#0	20.54	21.28	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	20.83	21.57	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	20.44	21.18	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	20.81	21.55	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	21.59	22.33	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	21.44	22.18	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	21.72	22.46	33.00	PASS



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Band38	10MHz	QPSK	38200	25RB#0	20.51	21.25	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	20.56	21.30	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	20.59	21.33	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	20.76	21.50	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	19.83	20.57	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	19.76	20.50	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#49	19.51	20.25	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#0	18.70	19.44	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#12	18.52	19.26	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#25	18.62	19.36	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	18.82	19.56	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	19.45	20.19	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	19.51	20.25	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	19.76	20.50	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#0	18.57	19.31	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#12	18.83	19.57	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#25	18.54	19.28	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	18.47	19.21	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	19.57	20.31	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	19.54	20.28	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	19.67	20.41	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#0	18.69	19.43	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#12	18.72	19.46	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#25	18.44	19.18	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	18.51	19.25	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	20.50	21.24	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	20.50	21.24	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	20.52	21.26	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#0	19.45	20.19	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	19.44	20.18	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	19.58	20.32	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	19.80	20.54	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	20.71	21.45	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	20.64	21.38	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	20.47	21.21	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	19.81	20.55	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	19.77	20.51	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	19.53	20.27	33.00	PASS



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Band38	10MHz	16QAM	38000	50RB#0	19.52	20.26	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	20.67	21.41	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	20.76	21.50	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	20.76	21.50	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	19.60	20.34	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	19.63	20.37	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	19.51	20.25	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	19.71	20.45	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	21.47	22.21	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	21.61	22.35	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	21.58	22.32	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#0	20.45	21.19	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#18	20.44	21.18	33.00	PASS
Band38	15MHz	QPSK	37825	36RB#39	20.57	21.31	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	20.69	21.43	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	21.44	22.18	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	21.60	22.34	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	21.46	22.20	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#0	20.56	21.30	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#18	20.64	21.38	33.00	PASS
Band38	15MHz	QPSK	38000	36RB#39	20.58	21.32	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	20.63	21.37	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	21.83	22.57	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	21.58	22.32	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	21.45	22.19	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#0	20.76	21.50	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#18	20.77	21.51	33.00	PASS
Band38	15MHz	QPSK	38175	36RB#39	20.48	21.22	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	20.50	21.24	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	19.76	20.50	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	19.55	20.29	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	19.65	20.39	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#0	18.82	19.56	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#18	18.45	19.19	33.00	PASS
Band38	15MHz	64QAM	37825	36RB#39	18.75	19.49	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	18.45	19.19	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	19.58	20.32	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	19.71	20.45	33.00	PASS



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Band38	15MHz	64QAM	38000	1RB#74	19.51	20.25	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#0	18.70	19.44	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#18	18.75	19.49	33.00	PASS
Band38	15MHz	64QAM	38000	36RB#39	18.43	19.17	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	18.46	19.20	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	19.79	20.53	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	19.47	20.21	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	19.76	20.50	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#0	18.57	19.31	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#18	18.71	19.45	33.00	PASS
Band38	15MHz	64QAM	38175	36RB#39	18.48	19.22	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	18.47	19.21	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	20.63	21.37	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	20.52	21.26	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	20.58	21.32	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#0	19.45	20.19	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#18	19.53	20.27	33.00	PASS
Band38	15MHz	16QAM	37825	36RB#39	19.68	20.42	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	19.45	20.19	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	20.49	21.23	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	20.62	21.36	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	20.48	21.22	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#0	19.60	20.34	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#18	19.81	20.55	33.00	PASS
Band38	15MHz	16QAM	38000	36RB#39	19.50	20.24	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	19.44	20.18	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	20.55	21.29	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	20.55	21.29	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	20.77	21.51	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#0	19.46	20.20	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#18	19.61	20.35	33.00	PASS
Band38	15MHz	16QAM	38175	36RB#39	19.80	20.54	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	19.63	20.37	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	21.66	22.40	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	21.78	22.52	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	21.68	22.42	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	20.70	21.44	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	20.53	21.27	33.00	PASS



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Band38	20MHz	QPSK	37850	50RB#50	20.43	21.17	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	20.57	21.31	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	21.74	22.48	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	21.56	22.30	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	21.68	22.42	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	20.58	21.32	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#25	20.55	21.29	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	20.52	21.26	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	20.57	21.31	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	21.54	22.28	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	21.67	22.41	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	21.57	22.31	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	20.76	21.50	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	20.75	21.49	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	20.72	21.46	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	20.66	21.40	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	19.44	20.18	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	19.54	20.28	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	19.60	20.34	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#0	18.56	19.30	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#25	18.81	19.55	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#50	18.59	19.33	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	18.77	19.51	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	19.67	20.41	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	19.55	20.29	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	19.65	20.39	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#0	18.53	19.27	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#25	18.61	19.35	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#50	18.57	19.31	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	18.65	19.39	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	19.62	20.36	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#49	19.54	20.28	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	19.47	20.21	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#0	18.61	19.35	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#25	18.76	19.50	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#50	18.68	19.42	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	18.50	19.24	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	20.51	21.25	33.00	PASS



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Band38	20MHz	16QAM	37850	1RB#49	20.74	21.48	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	20.71	21.45	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	19.51	20.25	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	19.54	20.28	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	19.61	20.35	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	19.53	20.27	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	20.43	21.17	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	20.46	21.20	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	20.63	21.37	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#0	19.60	20.34	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	19.68	20.42	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	19.64	20.38	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	19.74	20.48	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	20.60	21.34	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	20.64	21.38	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	20.64	21.38	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	19.66	20.40	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	19.78	20.52	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	19.52	20.26	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	19.67	20.41	33.00	PASS

Remark:

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

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

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



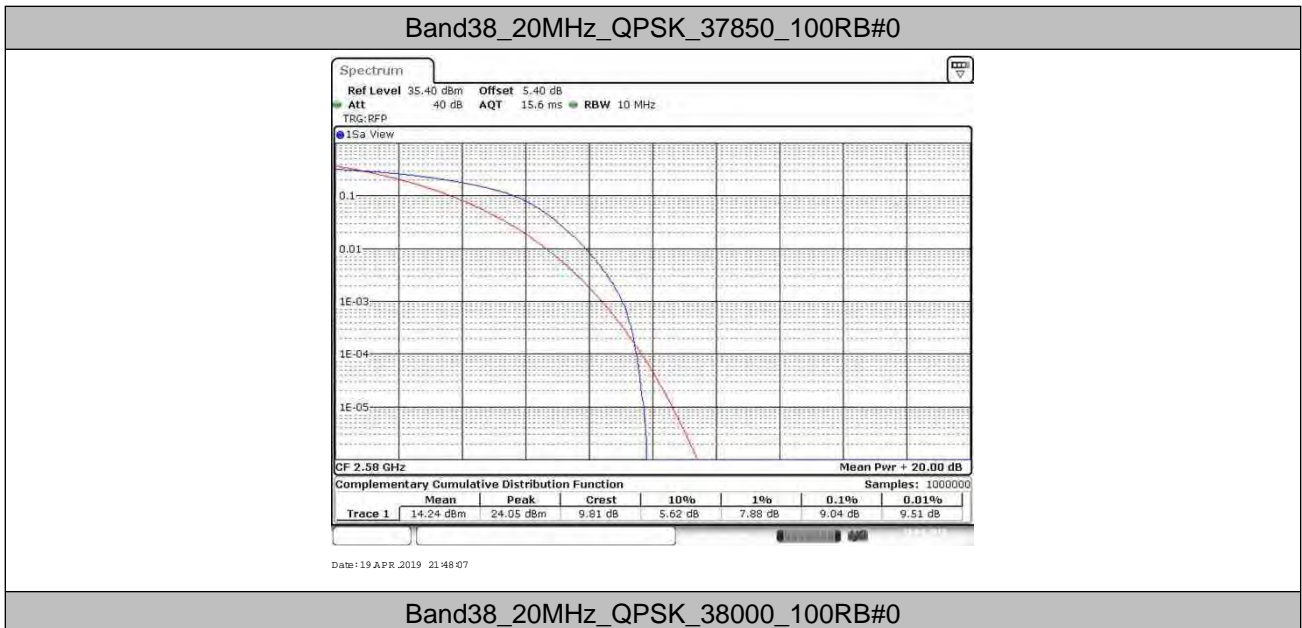
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## 2. Peak-to-Average Ratio(CCDF)

### 2.1. Test Result

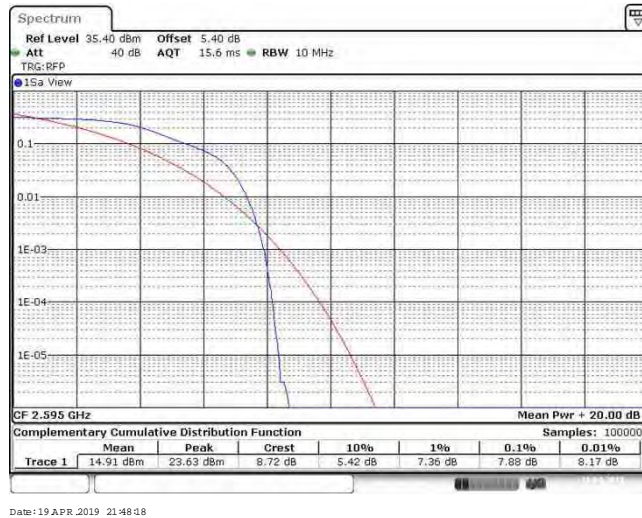
BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	9.04	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	7.88	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	7.68	13	PASS
Band38	20MHz	64QAM	37850	100RB#0	9.04	13	PASS
Band38	20MHz	64QAM	38000	100RB#0	9.04	13	PASS
Band38	20MHz	64QAM	38150	100RB#0	9.01	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.10	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.10	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.10	13	PASS

### 2.2. Test Plots



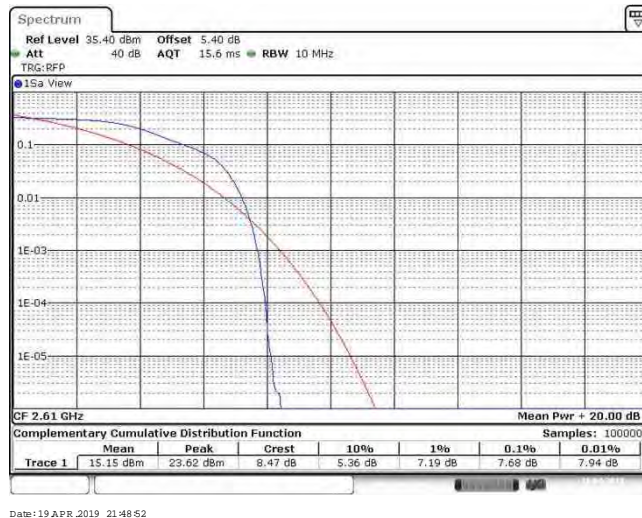
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Date: 19 APR. 2019 21:48:18

**Band38\_20MHz\_QPSK\_38150\_100RB#0**

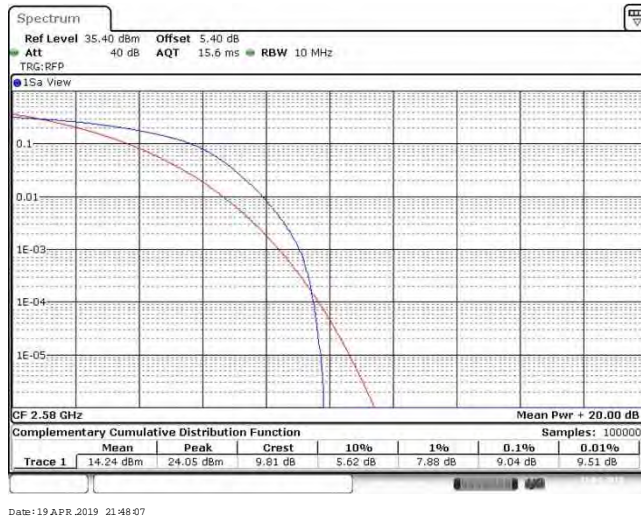


Date: 19 APR. 2019 21:48:52

**Band38\_20MHz\_64QAM\_37850\_100RB#0**

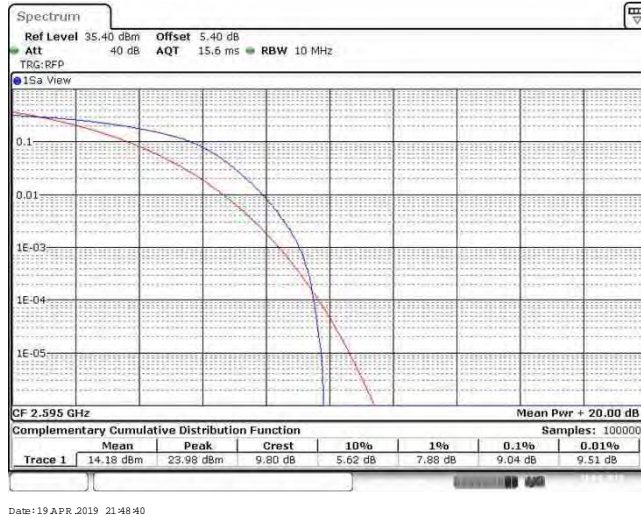


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Date: 19 APR. 2019 21:48:07

**Band38\_20MHz\_64QAM\_38000\_100RB#0**

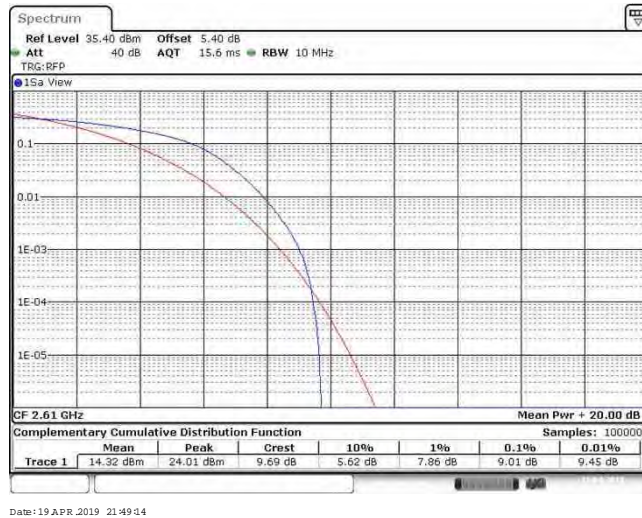


Date: 19 APR. 2019 21:48:40

**Band38\_20MHz\_64QAM\_38150\_100RB#0**

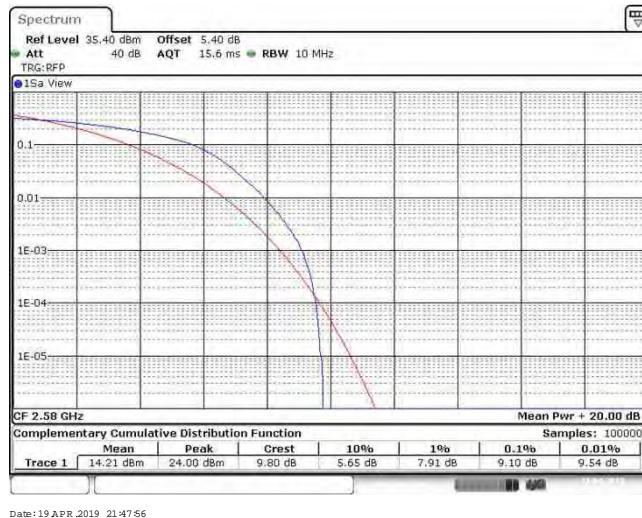


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Date: 19 APR. 2019 21:49:14

**Band38\_20MHz\_16QAM\_37850\_100RB#0**

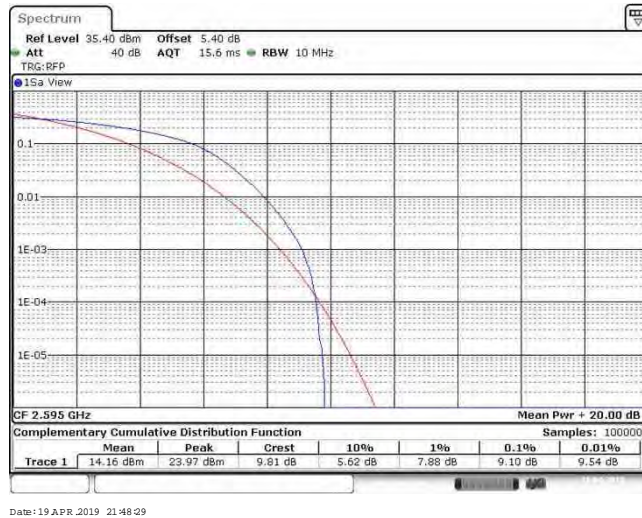


Date: 19 APR. 2019 21:47:56

**Band38\_20MHz\_16QAM\_38000\_100RB#0**

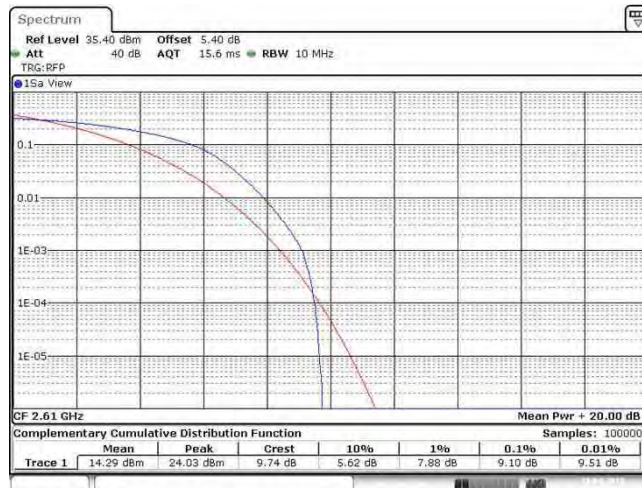


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Date: 19 APR. 2019 21:48:29

**Band38\_20MHz\_16QAM\_38150\_100RB#0**



Date: 19 APR. 2019 21:49:02



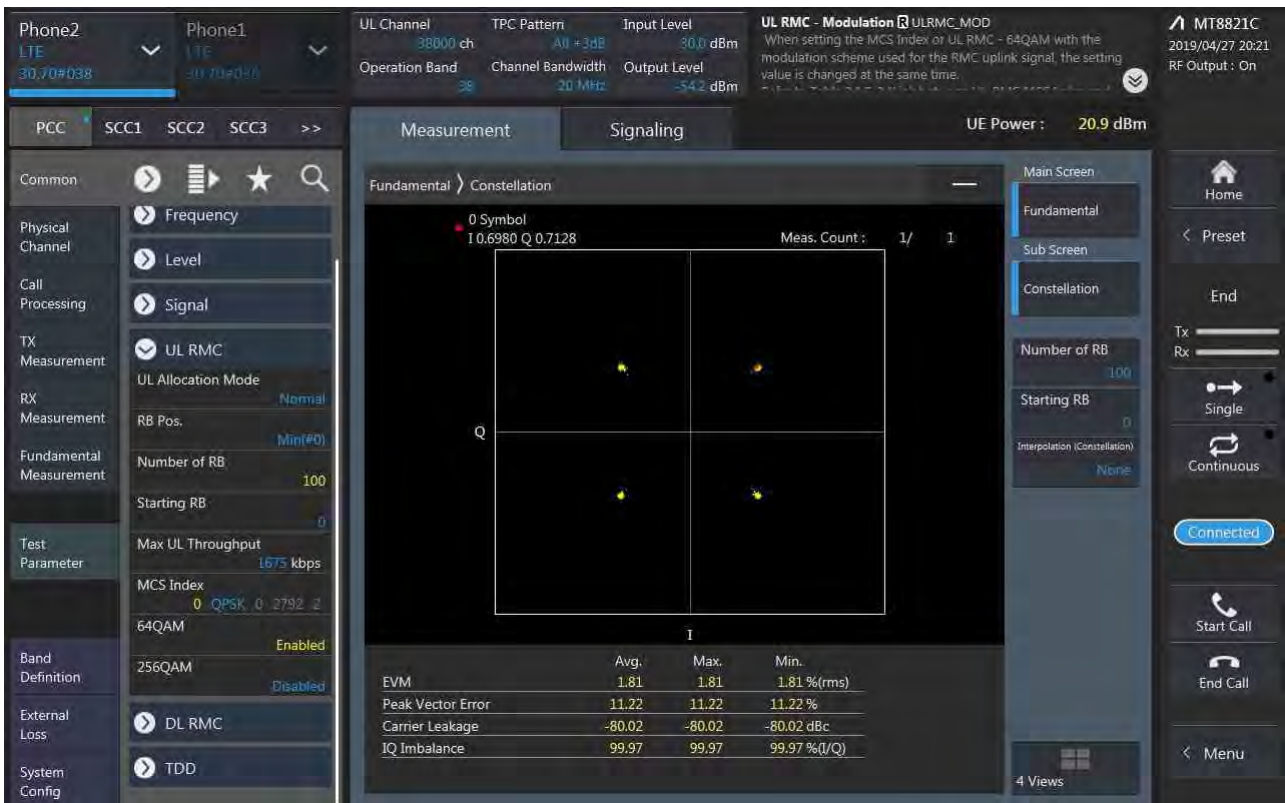
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### 3. Modulation Characteristics

#### 3.1. Test BAND = LTE Band 38

#### 3.2. Test Mode = LTE /TM1 20MHz

#### 3.2.1. Test Channel = MCH

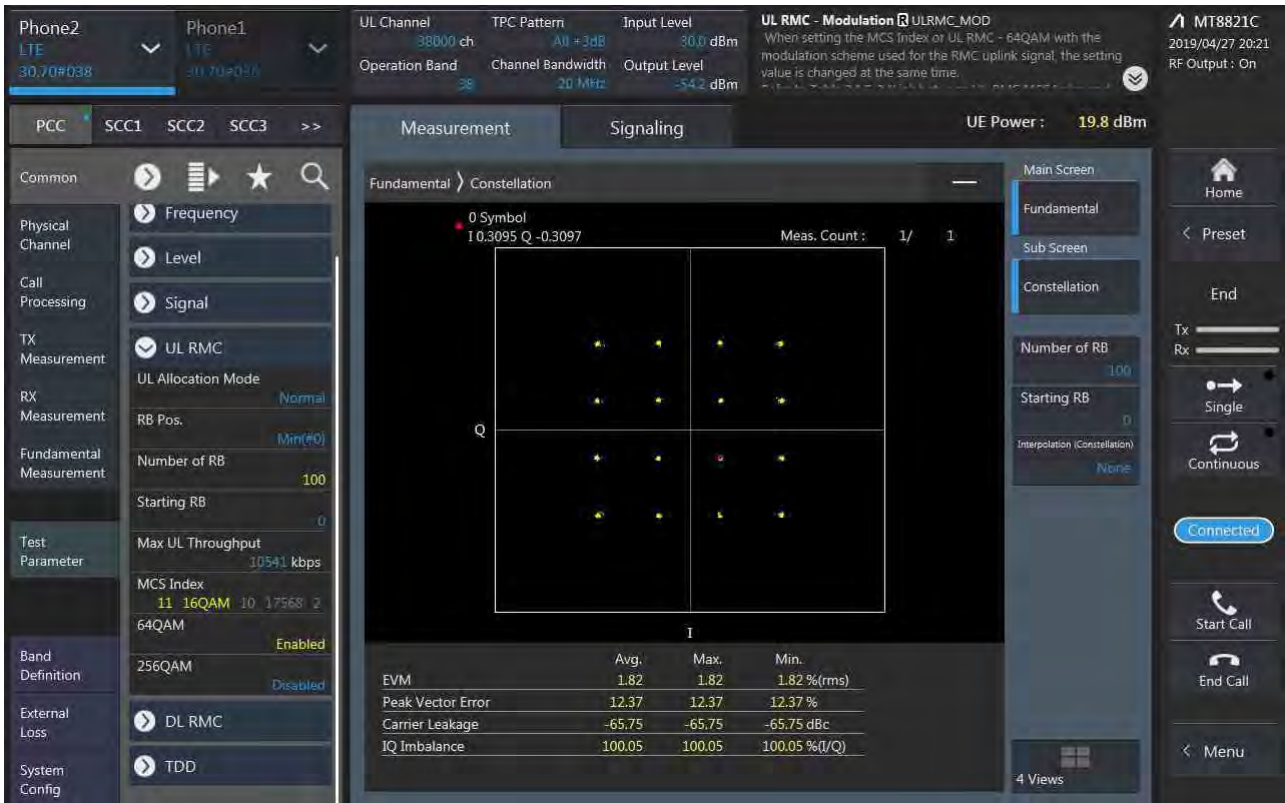


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### 3.3. Test Mode = LTE /TM2 20MHz

#### 3.3.1. Test Channel = MCH

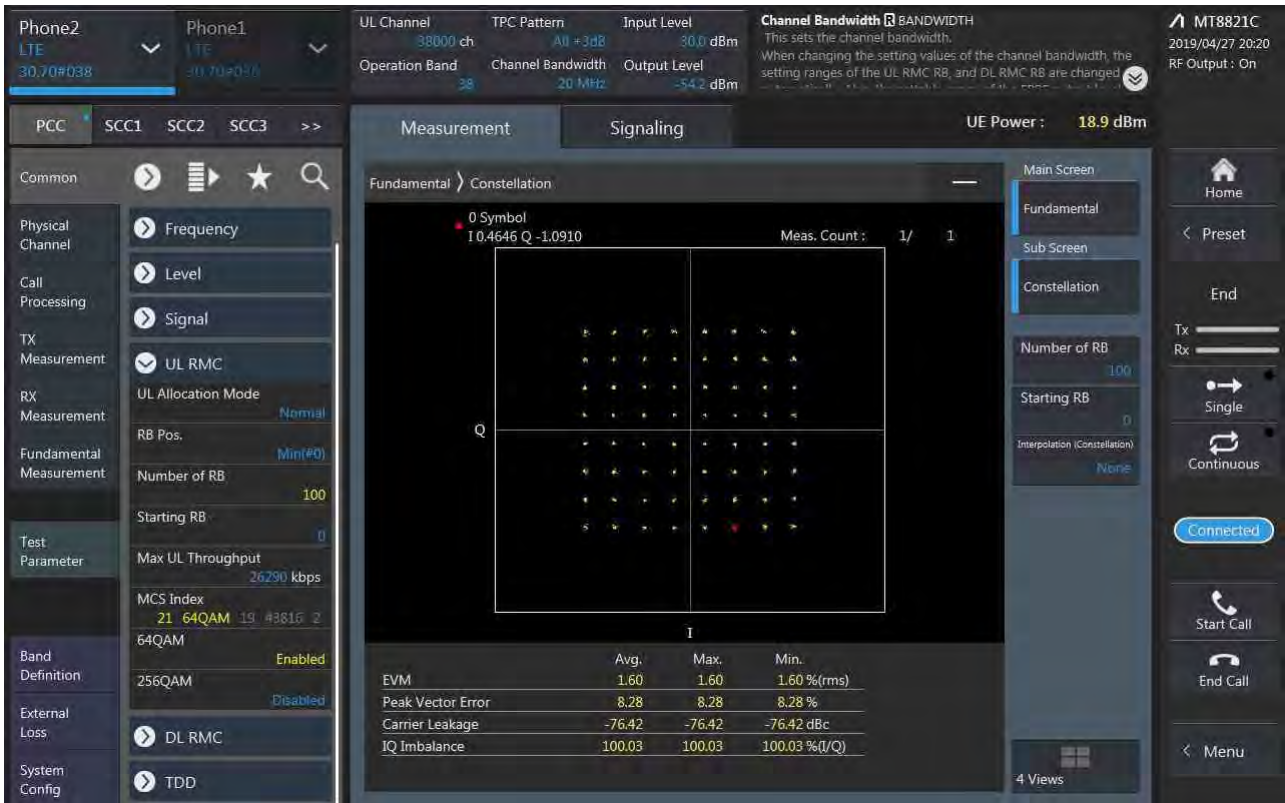


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### 3.4. Test Mode = LTE /TM3 20MHz

#### 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	4.840	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.476	4.870	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.466	4.850	PASS
Band38	5MHz	64QAM	37775	25RB#0	4.466	4.900	PASS
Band38	5MHz	64QAM	38000	25RB#0	4.476	4.900	PASS
Band38	5MHz	64QAM	38225	25RB#0	4.466	4.900	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.466	4.900	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.466	4.890	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.466	4.870	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.951	9.720	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.951	9.740	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.951	9.720	PASS
Band38	10MHz	64QAM	37800	50RB#0	8.951	9.780	PASS
Band38	10MHz	64QAM	38000	50RB#0	8.951	9.760	PASS
Band38	10MHz	64QAM	38200	50RB#0	8.951	9.760	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.931	9.720	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.951	9.720	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.931	9.720	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.487	15.150	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.487	15.120	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.487	15.120	PASS
Band38	15MHz	64QAM	37825	75RB#0	13.487	15.060	PASS
Band38	15MHz	64QAM	38000	75RB#0	13.487	15.090	PASS
Band38	15MHz	64QAM	38175	75RB#0	13.487	15.090	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.516	15.150	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.487	15.060	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.487	15.090	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.942	19.800	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.982	19.840	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.942	19.640	PASS
Band38	20MHz	64QAM	37850	100RB#0	17.902	19.680	PASS



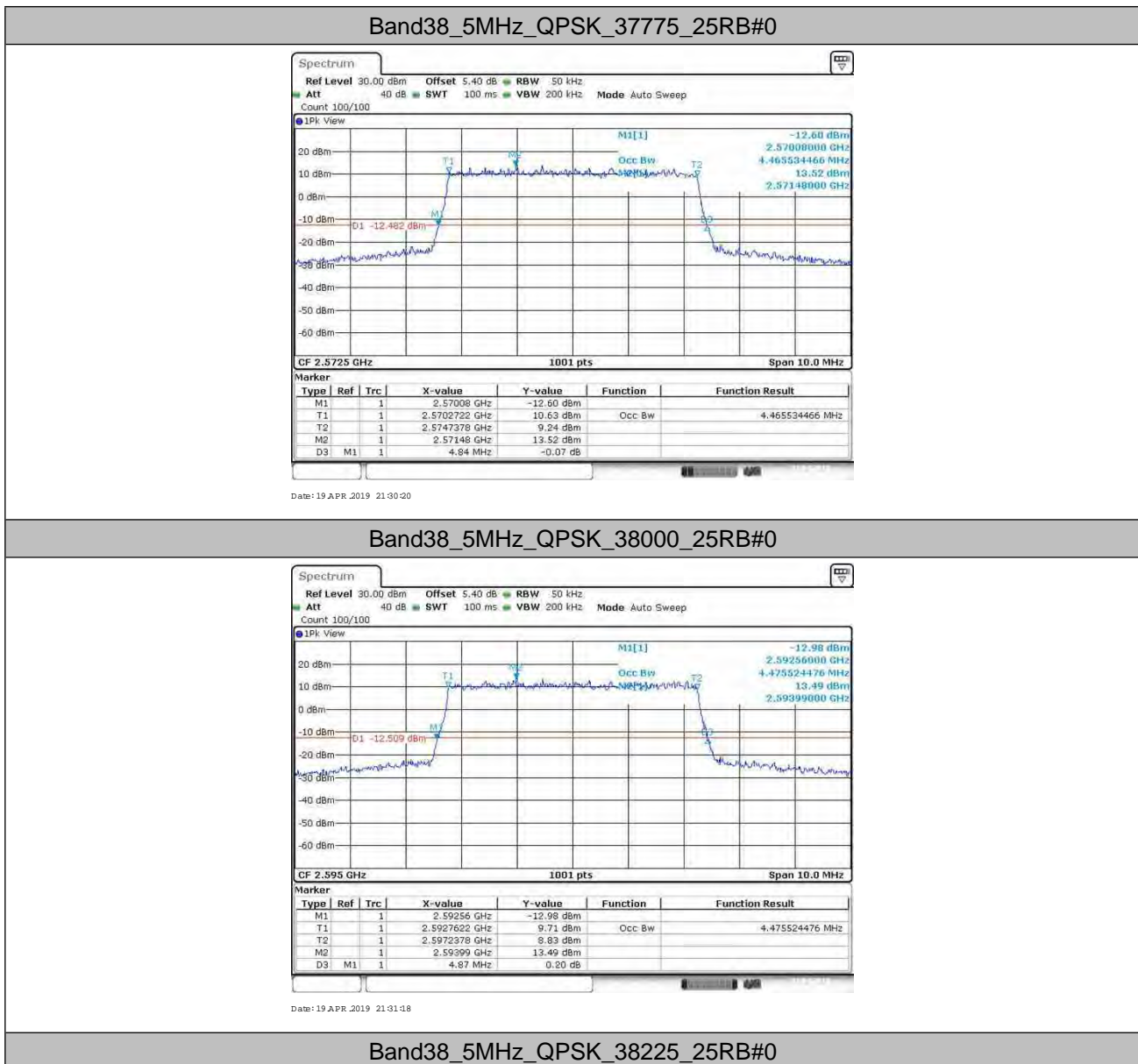
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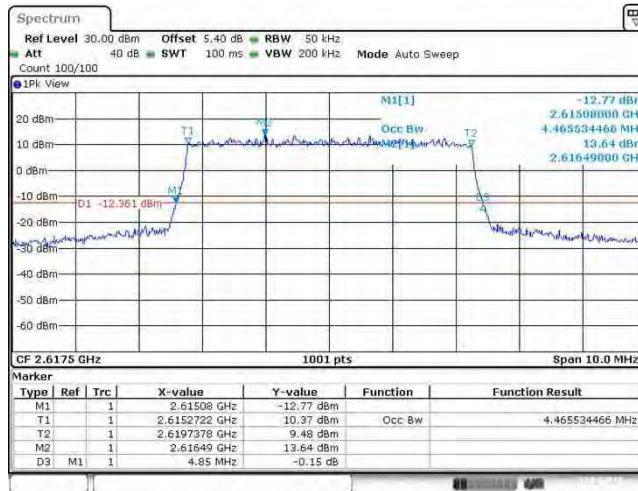


Band38	20MHz	64QAM	38000	100RB#0	17.942	19.600	PASS
Band38	20MHz	64QAM	38150	100RB#0	17.902	19.560	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.942	19.760	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.942	19.840	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.942	19.760	PASS

## 4.2. Test Plots

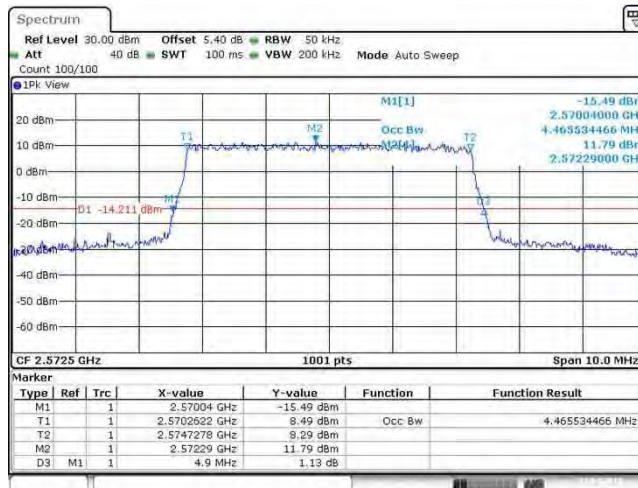


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Date: 19 APR 2019 21:32:17

**Band38\_5MHz\_64QAM\_3775\_25RB#0**

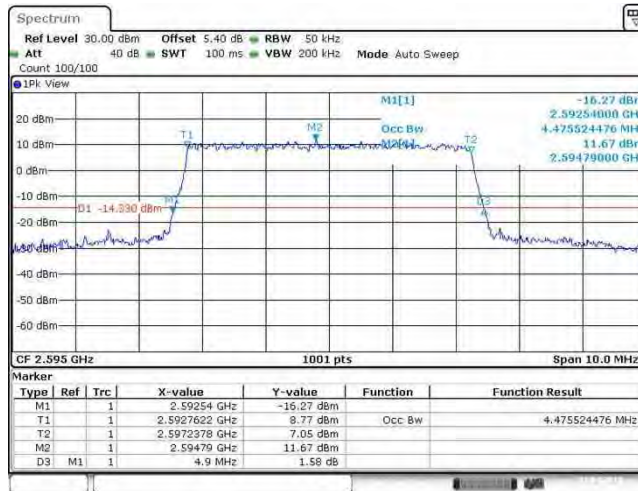


Date: 19 APR 2019 21:30:59

**Band38\_5MHz\_64QAM\_3800\_25RB#0**

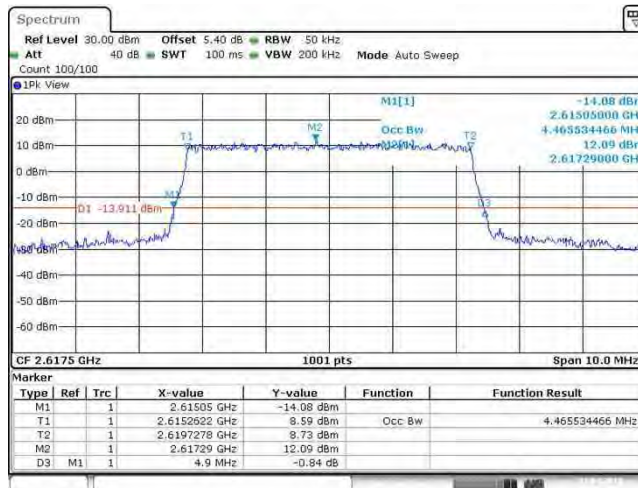


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Date: 19 APR 2019 21:31:57

**Band38\_5MHz\_64QAM\_38225\_25RB#0**

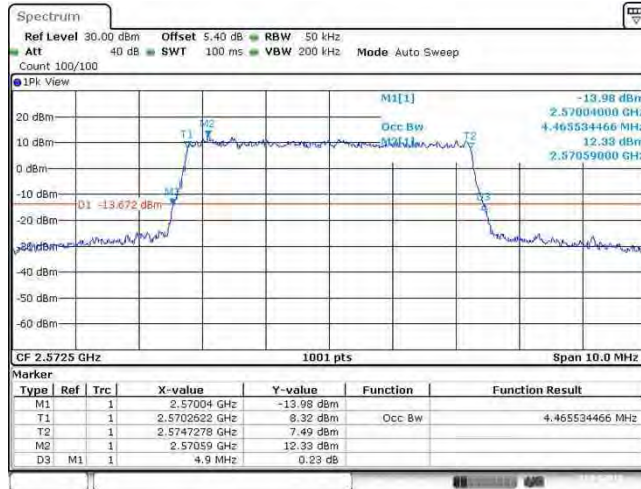


Date: 19 APR 2019 21:32:56

**Band38\_5MHz\_16QAM\_37775\_25RB#0**

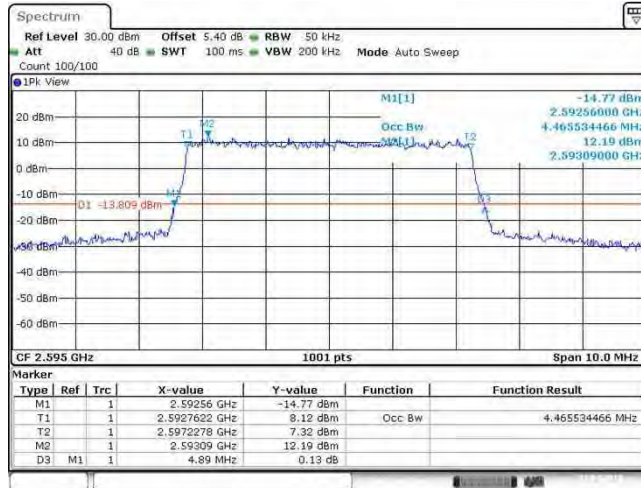


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Date: 19 APR 2019 21:30:39

**Band38\_5MHz\_16QAM\_38000\_25RB#0**



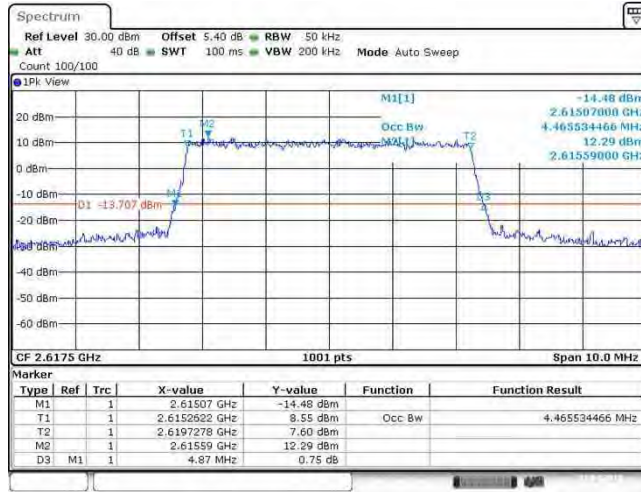
Date: 19 APR 2019 21:31:38

**Band38\_5MHz\_16QAM\_38225\_25RB#0**

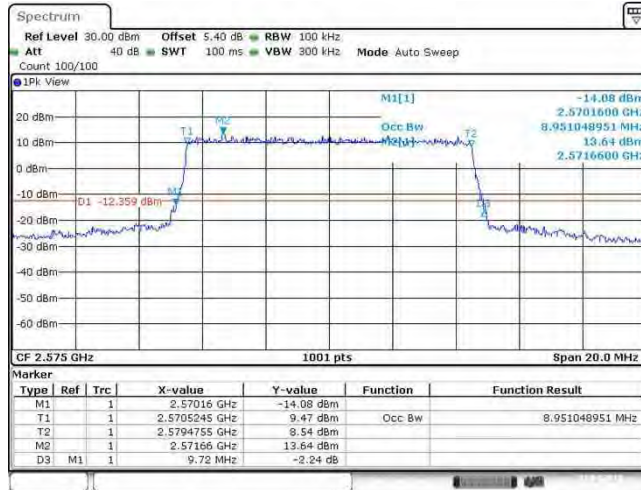


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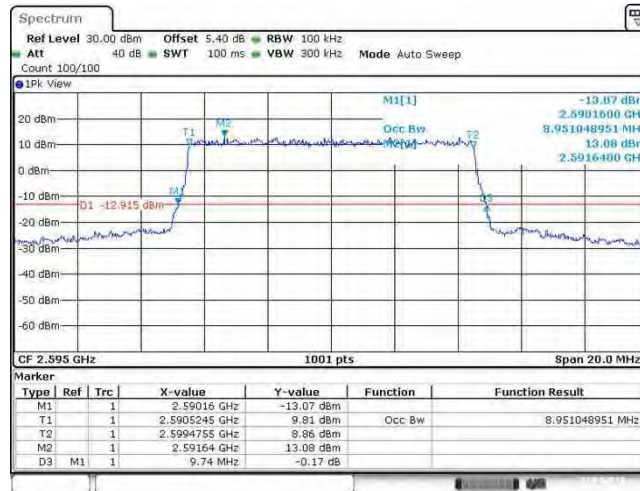
**Band38\_10MHz\_QPSK\_37800\_50RB#**



**Band38\_10MHz\_QPSK\_38000\_50RB#**

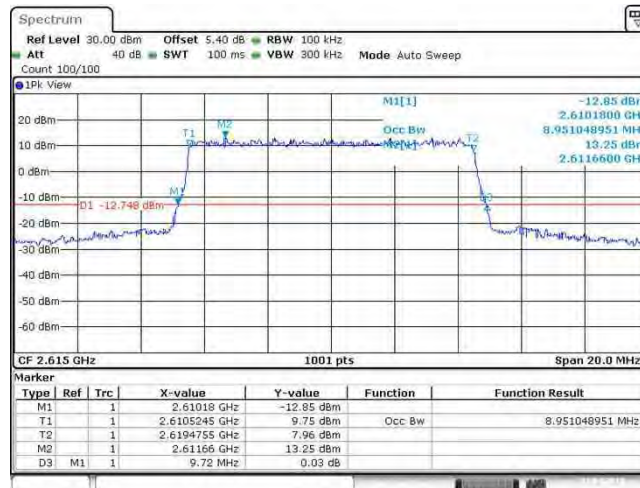


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Date: 19 APR 2019 21:34:16

**Band38\_10MHz\_QPSK\_38200\_50RB#0**



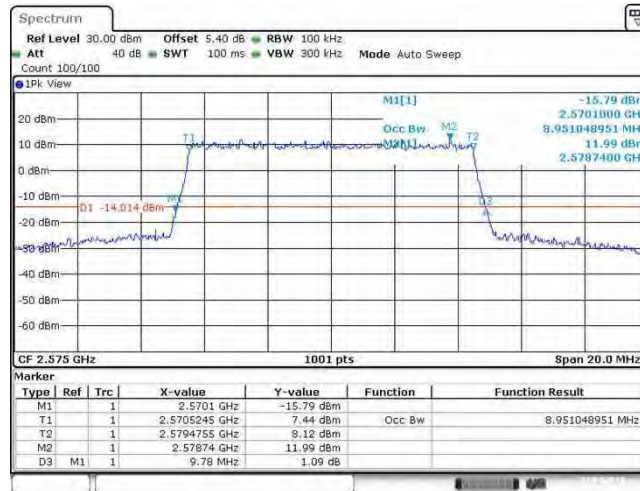
Date: 19 APR 2019 21:35:15

**Band38\_10MHz\_64QAM\_37800\_50RB#0**



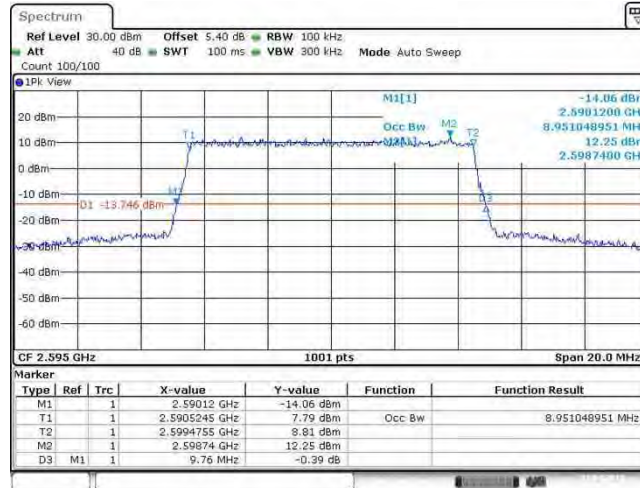
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Date: 19 APR 2019 21:33:56

**Band38\_10MHz\_64QAM\_38000\_50RB#0**

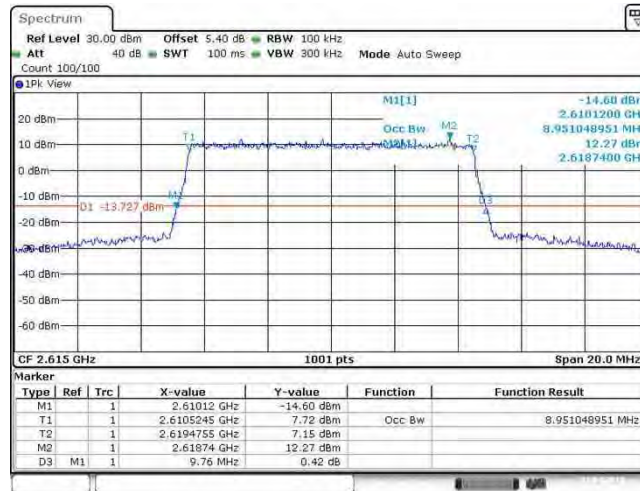


Date: 19 APR 2019 21:34:55

**Band38\_10MHz\_64QAM\_38200\_50RB#0**

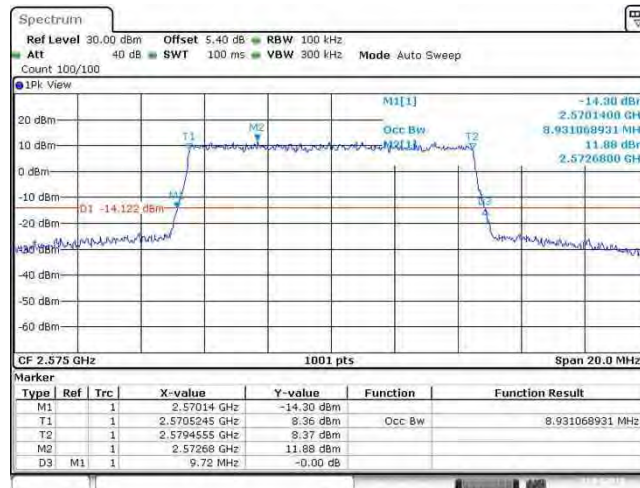


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Date: 19 APR 2019 21:35:54

**Band38\_10MHz\_16QAM\_37800\_50RB#0**



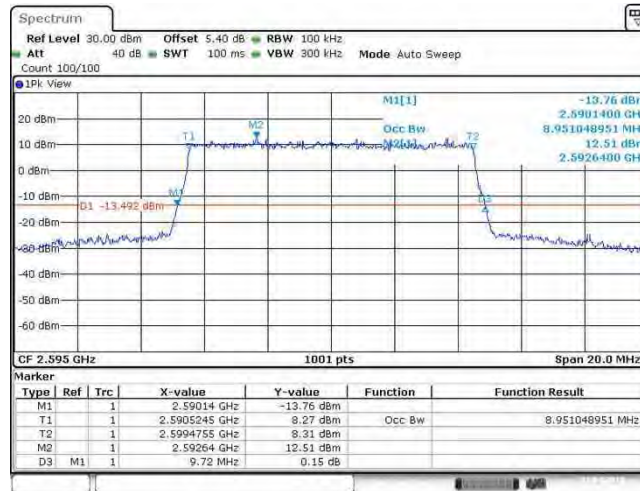
Date: 19 APR 2019 21:33:37

**Band38\_10MHz\_16QAM\_38000\_50RB#0**



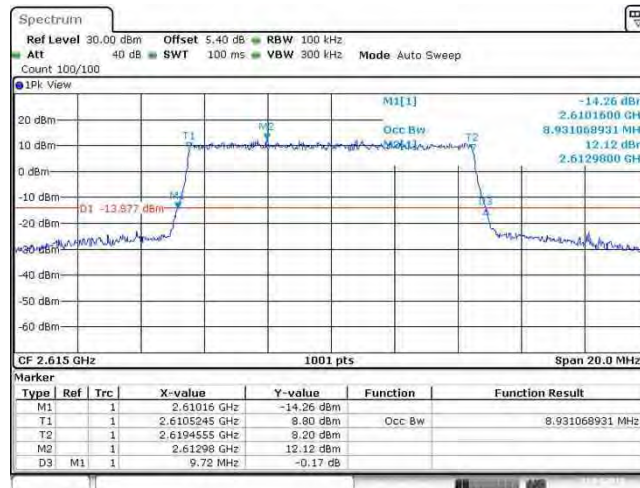
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Date: 19 APR 2019 21:34:36

**Band38\_10MHz\_16QAM\_38200\_50RB#0**

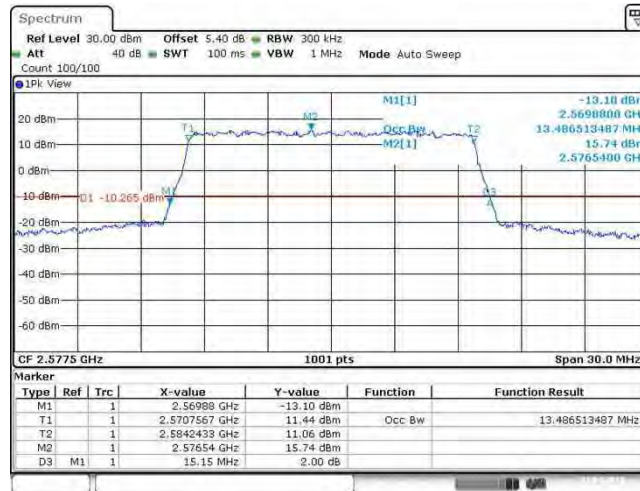


Date: 19 APR 2019 21:35:34

**Band38\_15MHz\_QPSK\_37825\_75RB#0**

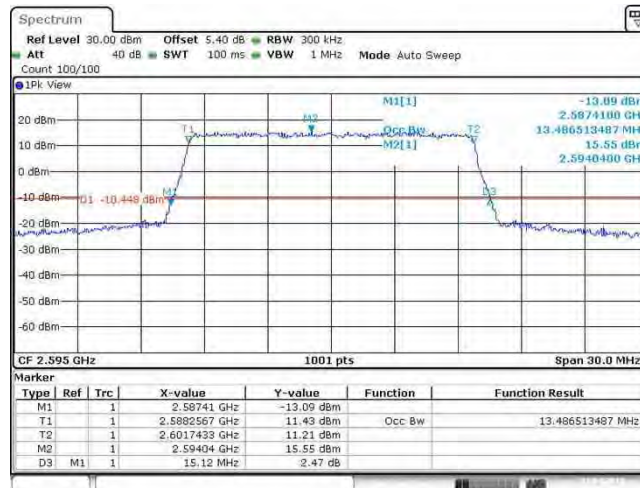


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Date: 19 APR 2019 21:36:15

**Band38\_15MHz\_QPSK\_38000\_75RB#0**

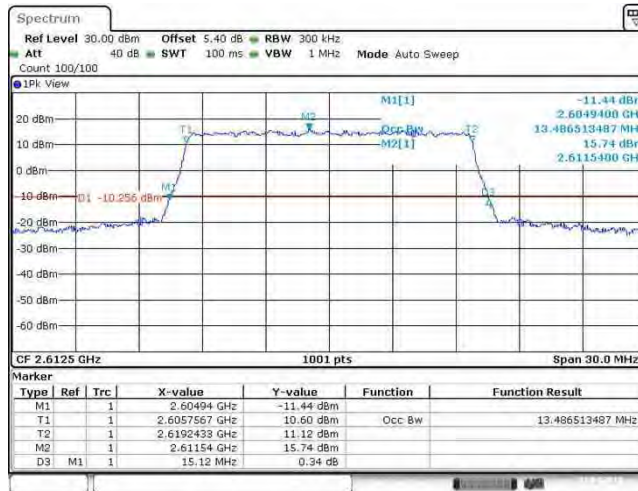


Date: 19 APR 2019 21:37:14

**Band38\_15MHz\_QPSK\_38175\_75RB#0**

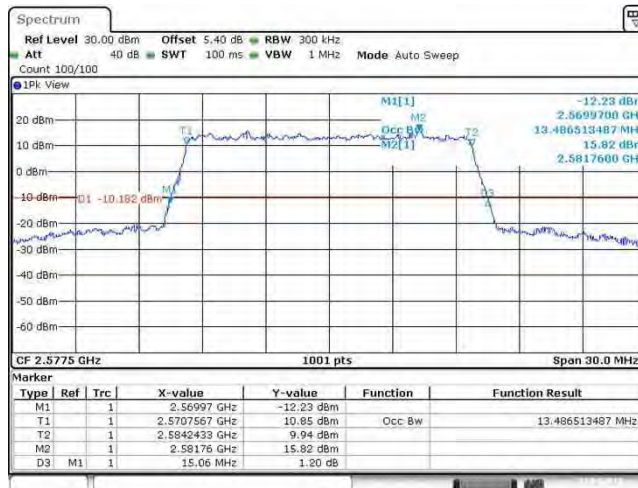


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Date: 19 APR 2019 21:38:13

**Band38\_15MHz\_64QAM\_37825\_75RB#0**

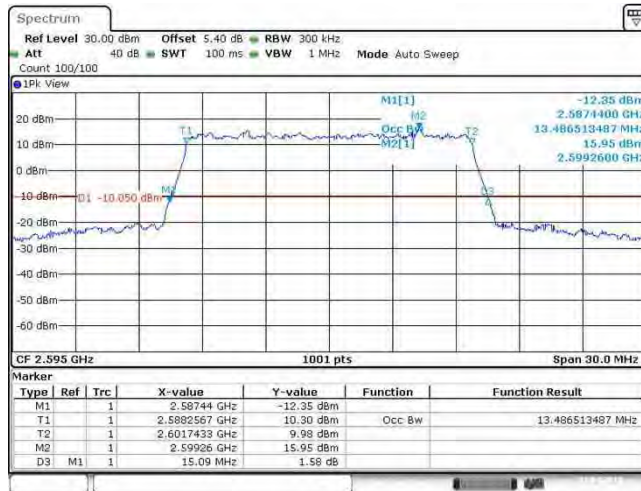


Date: 19 APR 2019 21:36:54

**Band38\_15MHz\_64QAM\_38000\_75RB#0**

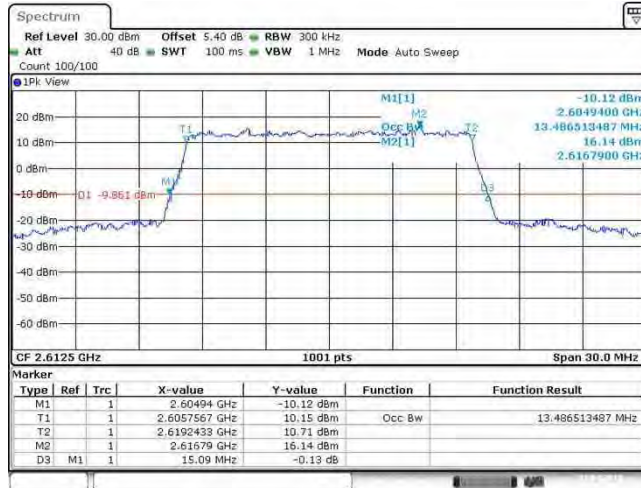


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Date: 19 APR 2019 21:37:53

**Band38\_15MHz\_64QAM\_38175\_75RB#0**

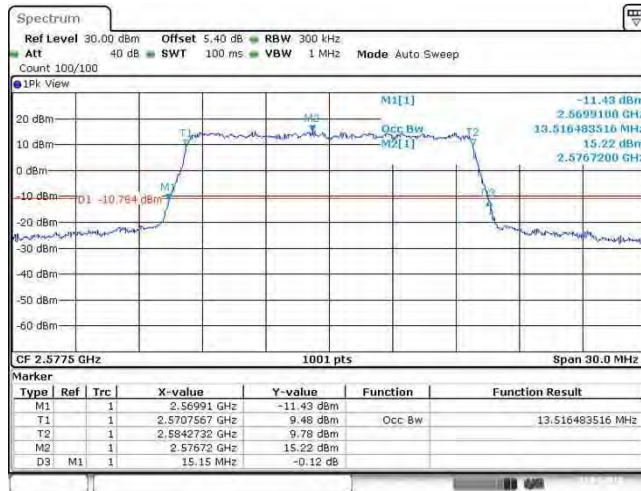


Date: 19 APR 2019 21:38:52

**Band38\_15MHz\_16QAM\_37825\_75RB#0**

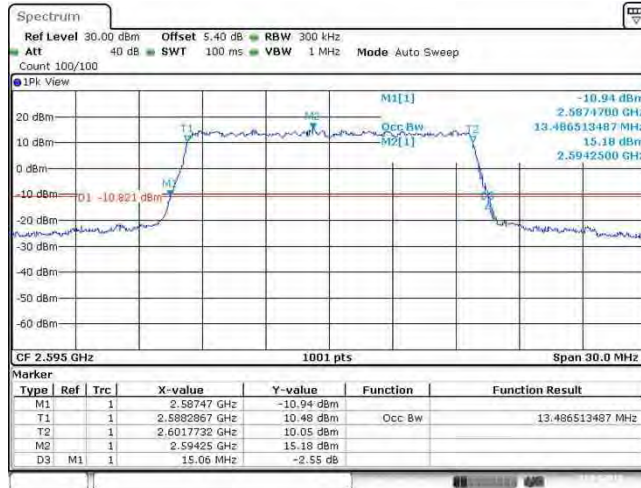


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Date: 19 APR 2019 21:36:35

**Band38\_15MHz\_16QAM\_38000\_75RB#0**



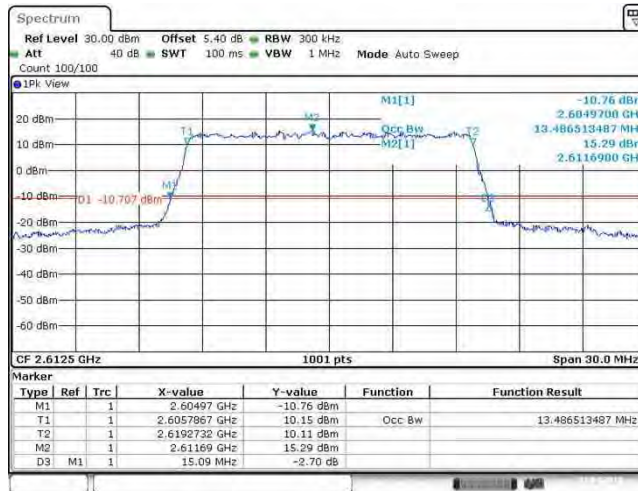
Date: 19 APR 2019 21:37:34

**Band38\_15MHz\_16QAM\_38175\_75RB#0**



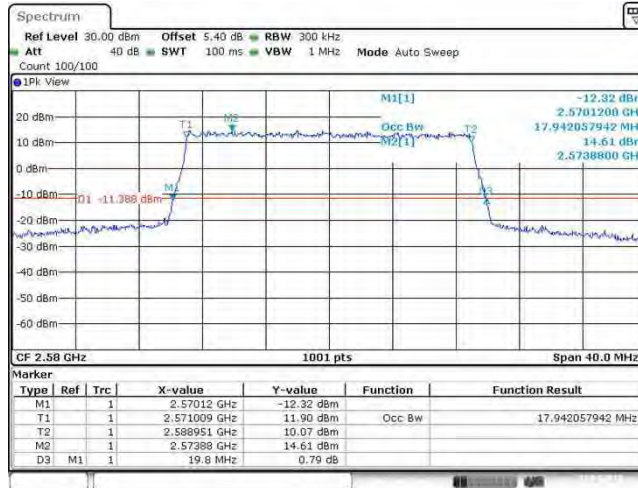
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Date: 19 APR 2019 21:38:32

**Band38\_20MHz\_QPSK\_37850\_100RB#0**



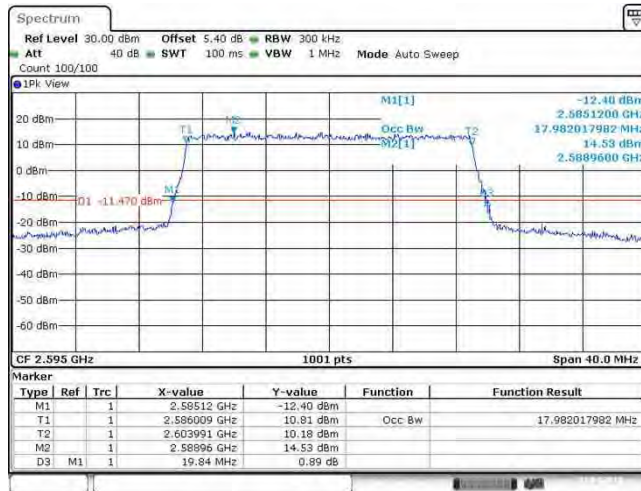
Date: 19 APR 2019 21:39:13

**Band38\_20MHz\_QPSK\_38000\_100RB#0**

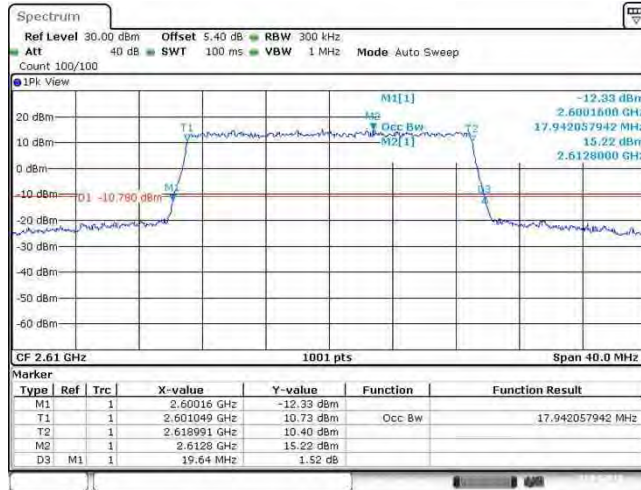


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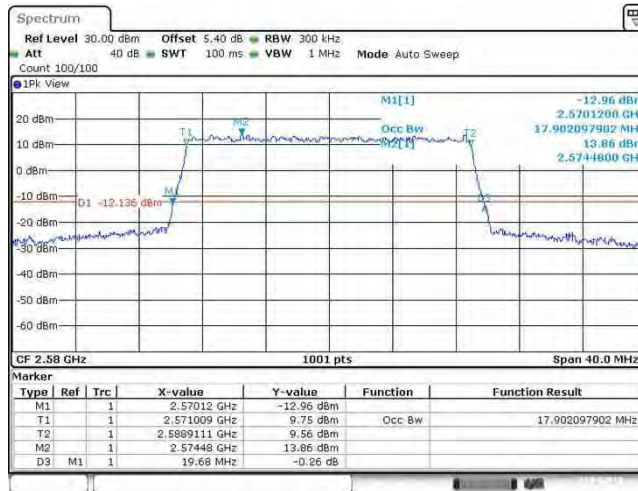
**Band38\_20MHz\_QPSK\_38150\_100RB#0**



**Band38\_20MHz\_64QAM\_37850\_100RB#0**

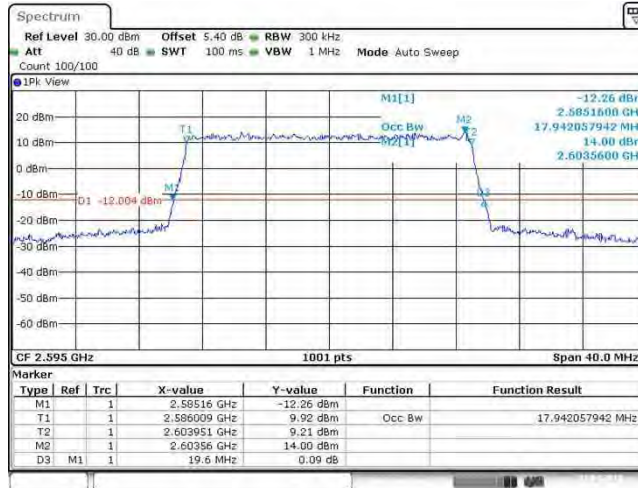


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Date: 19 APR 2019 21:39:52

**Band38\_20MHz\_64QAM\_38000\_100RB#0**

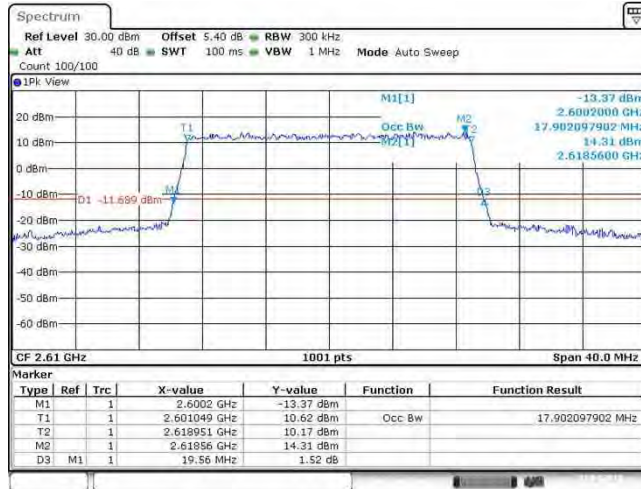


Date: 19 APR 2019 21:40:51

**Band38\_20MHz\_64QAM\_38150\_100RB#0**

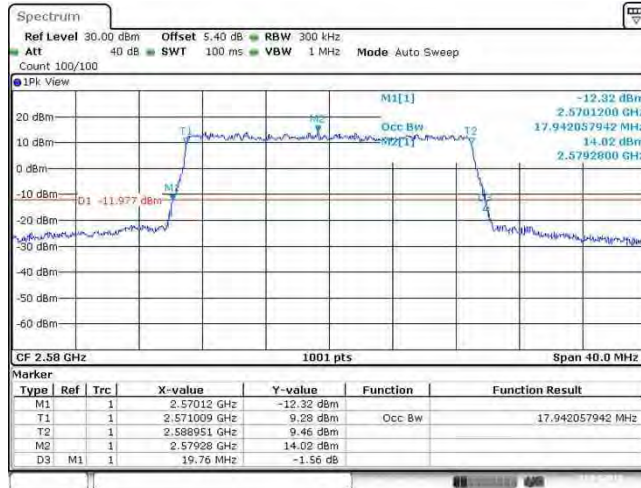


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Date: 19 APR 2019 21:41:50

**Band38\_20MHz\_16QAM\_37850\_100RB#0**

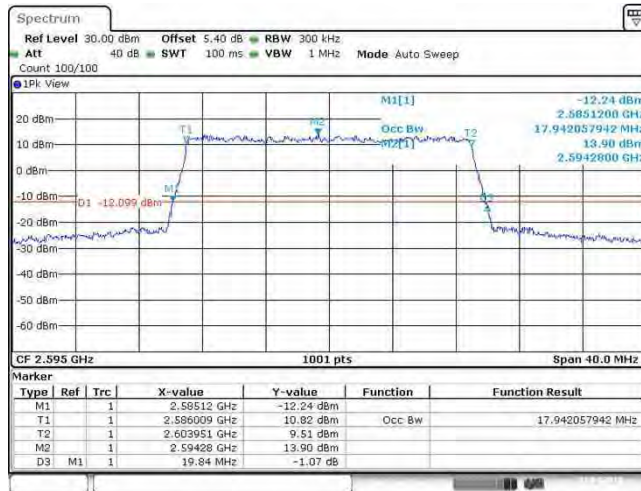


Date: 19 APR 2019 21:39:33

**Band38\_20MHz\_16QAM\_38000\_100RB#0**

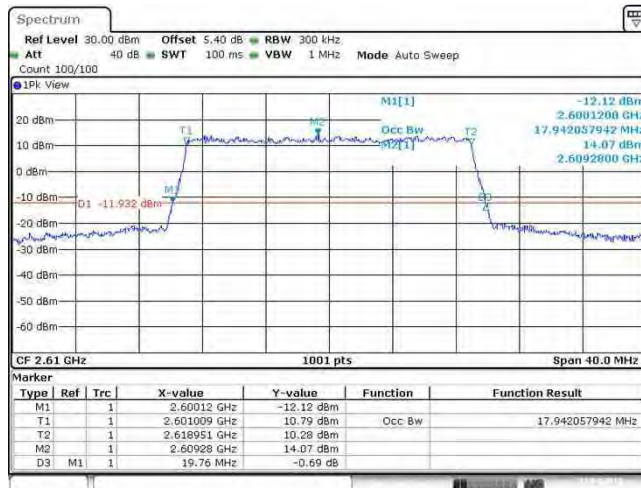


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Date: 19 APR 2019 21:40:31

**Band38\_20MHz\_16QAM\_38150\_100RB#0**



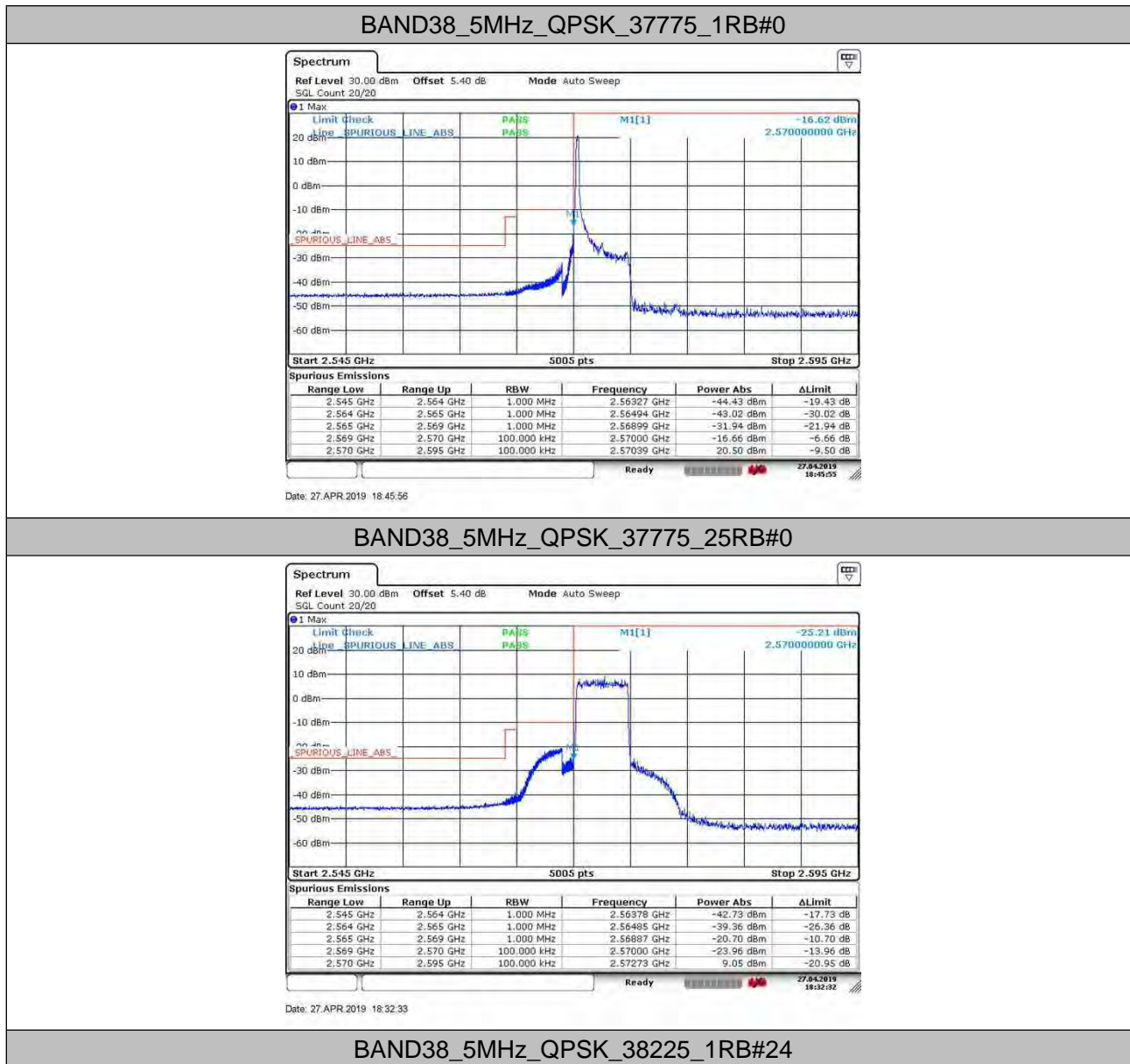
Date: 19 APR 2019 21:41:30



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## 5. Band Edge Compliance

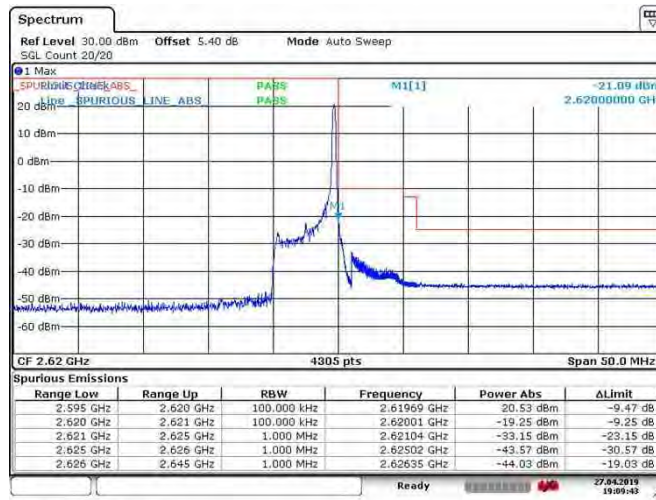
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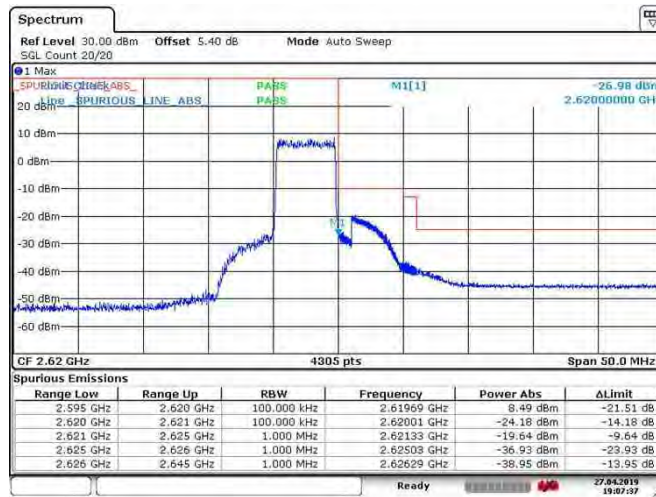
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Date: 27.APR.2019 19:09:44

BAND38\_5MHz\_QPSK\_38225\_25RB#0



Date: 27.APR.2019 19:07:38

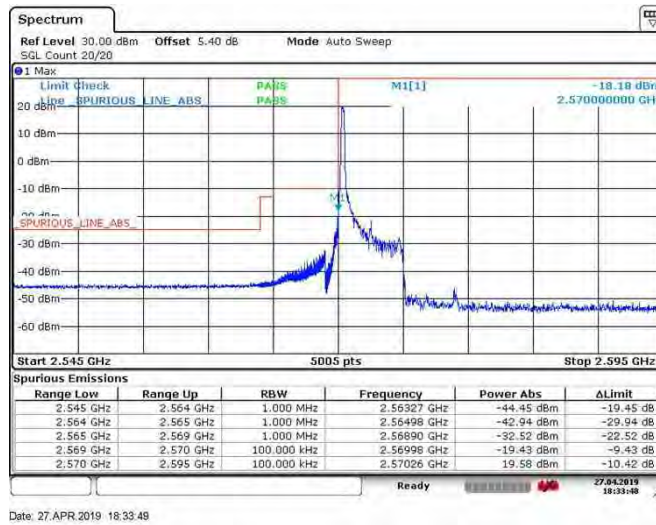
BAND38\_5MHz\_64QAM\_37775\_1RB#0



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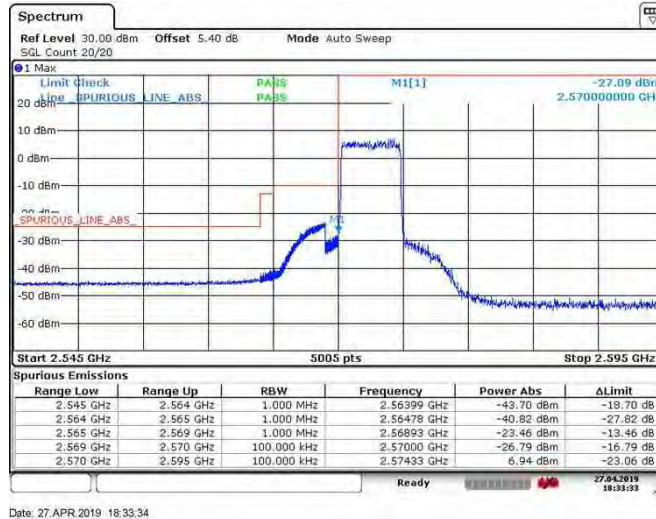
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Date: 27.APR.2019 18:33:49

**BAND38\_5MHz\_64QAM\_37775\_25RB#0**

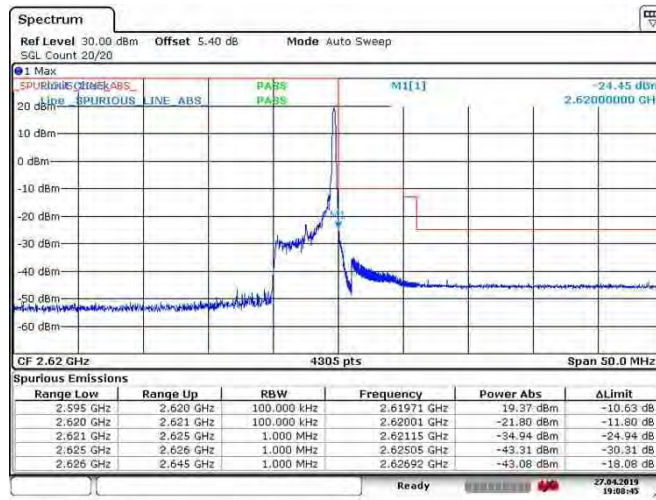


Date: 27.APR.2019 18:33:34

**BAND38\_5MHz\_64QAM\_38225\_1RB#24**

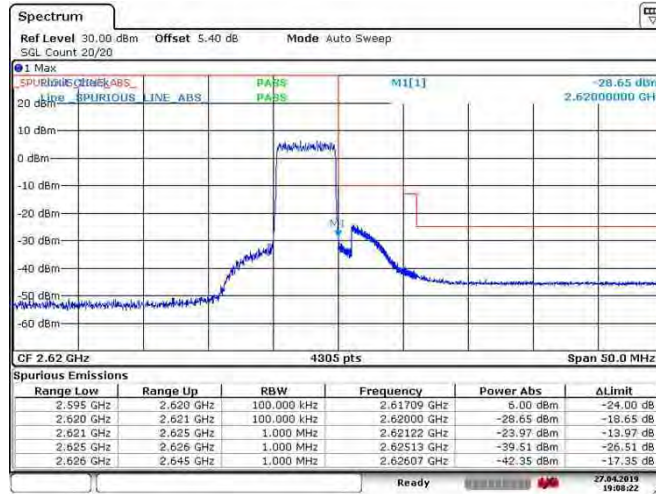


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Date: 27.APR.2019 19:08:45

BAND38\_5MHz\_64QAM\_38225\_25RB#0



Date: 27.APR.2019 19:08:22

BAND38\_5MHz\_16QAM\_37775\_1RB#0

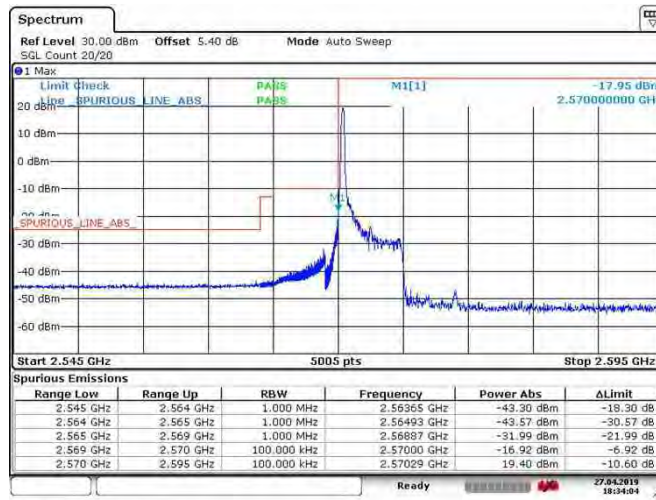


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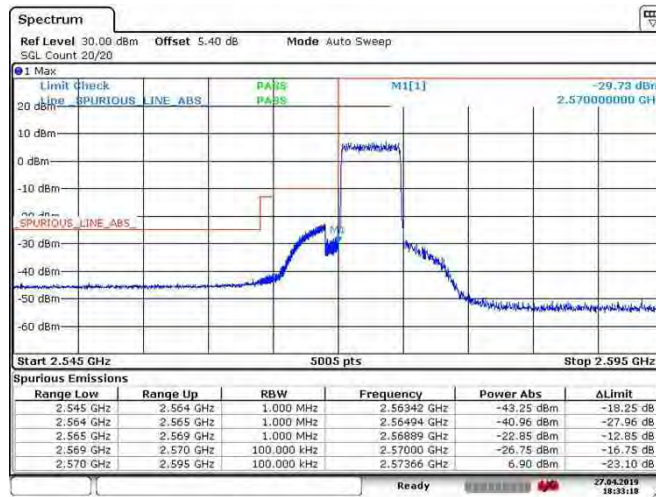
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Date: 27.APR.2019 18:34:04

**BAND38\_5MHz\_16QAM\_3775\_25RB#0**

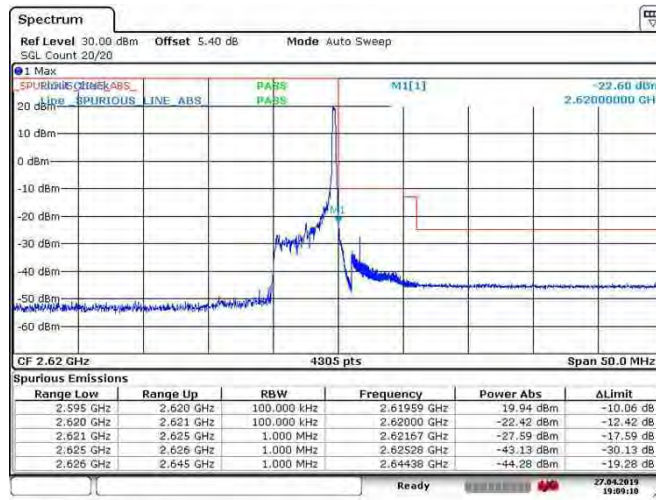


Date: 27.APR.2019 18:33:18

**BAND38\_5MHz\_16QAM\_38225\_1RB#24**

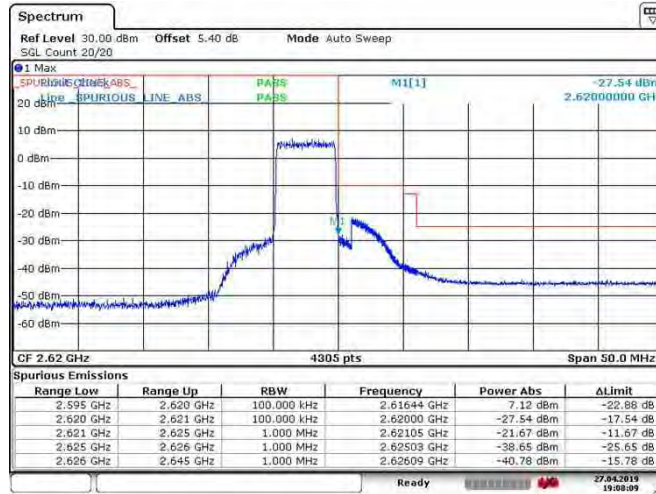


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Date: 27.APR.2019 19:08:10

**BAND38\_5MHz\_16QAM\_38225\_25RB#0**

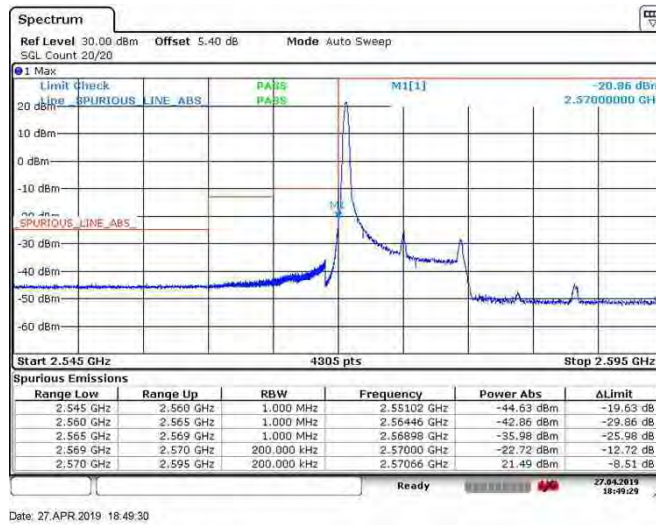


Date: 27.APR.2019 19:08:09

**BAND38\_10MHz\_QPSK\_37800\_1RB#0**

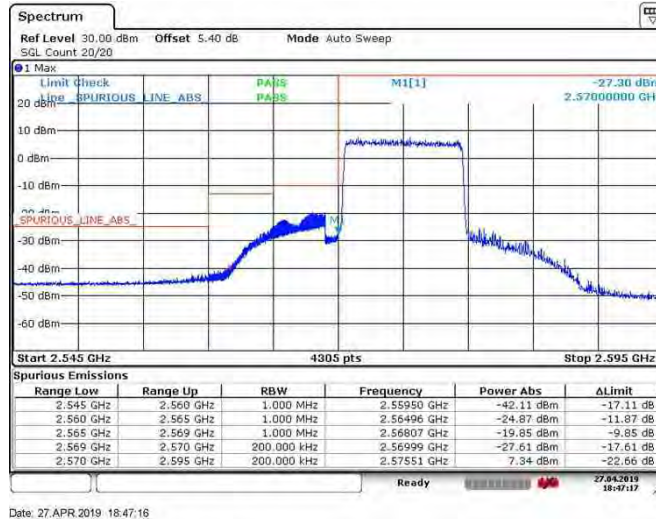


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Date: 27.APR.2019 18:49:30

**BAND38\_10MHz\_QPSK\_37800\_50RB#0**

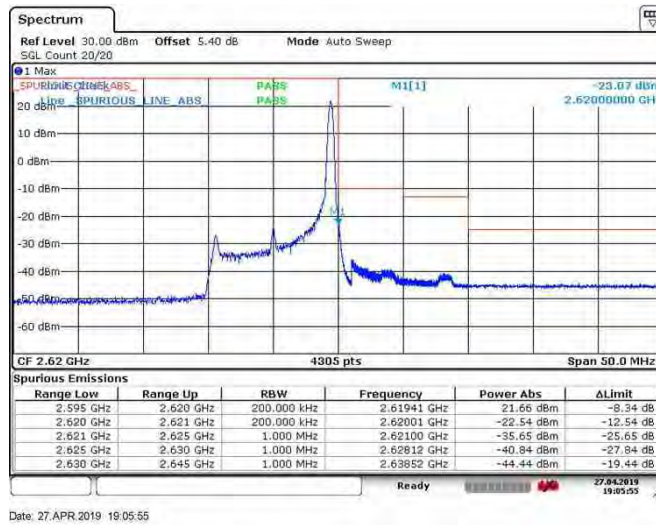


Date: 27.APR.2019 18:47:16

**BAND38\_10MHz\_QPSK\_38200\_1RB#49**



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Date: 27.APR.2019 19:05:55

BAND38\_10MHz\_QPSK\_38200\_50RB#0

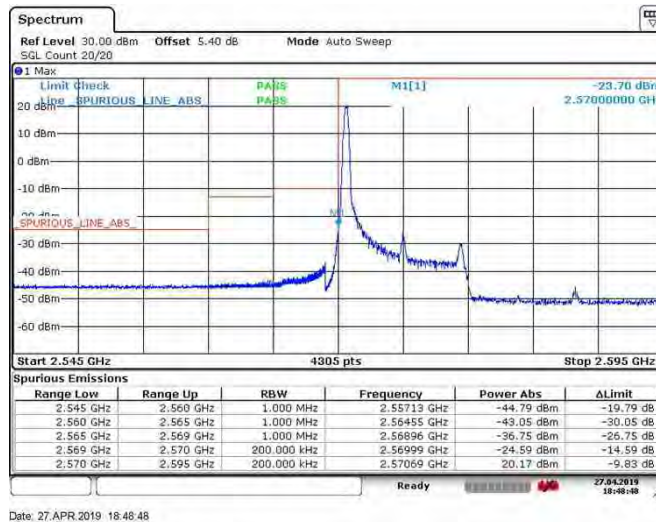


Date: 27.APR.2019 19:03:48

BAND38\_10MHz\_64QAM\_37800\_1RB#0

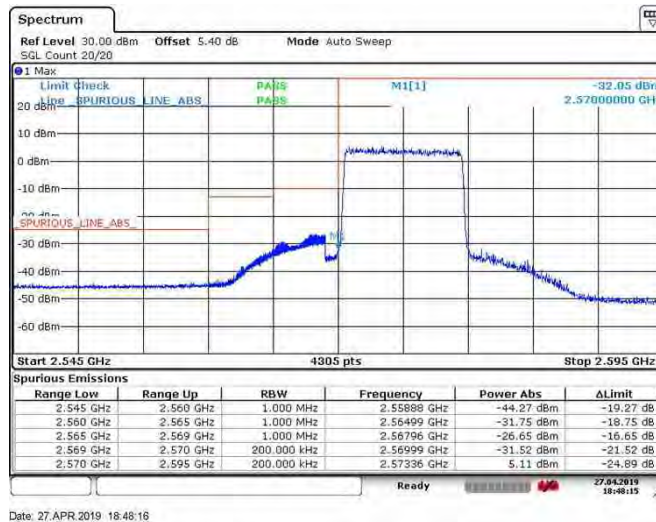


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Date: 27.APR.2019 18:48:48

BAND38\_10MHz\_64QAM\_37800\_50RB#0

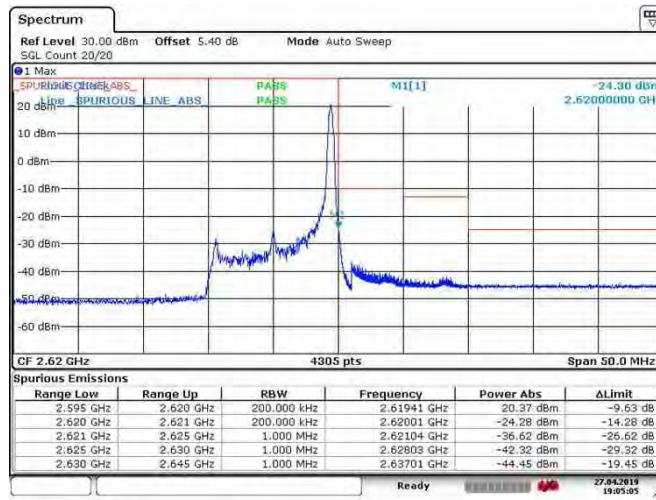


Date: 27.APR.2019 18:48:16

BAND38\_10MHz\_64QAM\_38200\_1RB#49

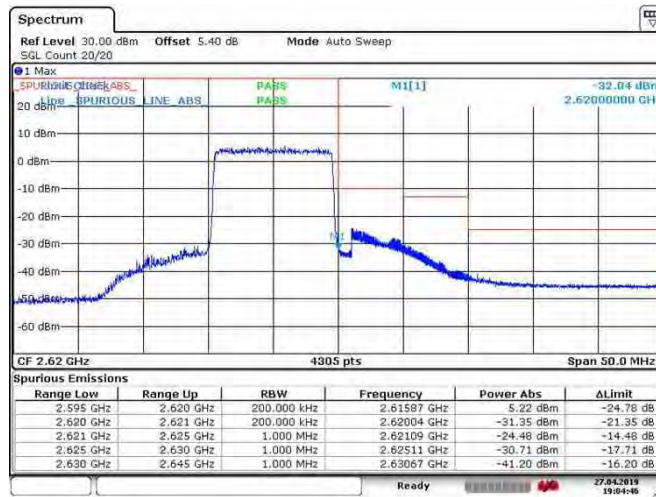


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Date: 27.APR 2019 19:05:05

**BAND38\_10MHz\_64QAM\_38200\_50RB#0**

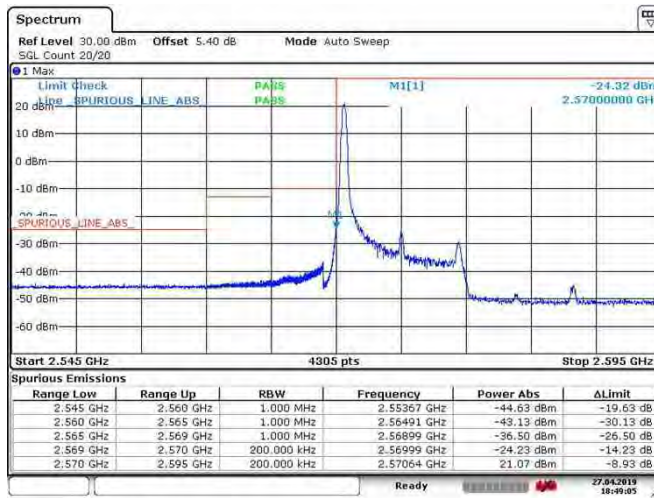


Date: 27.APR 2019 19:04:47

**BAND38\_10MHz\_16QAM\_37800\_1RB#0**

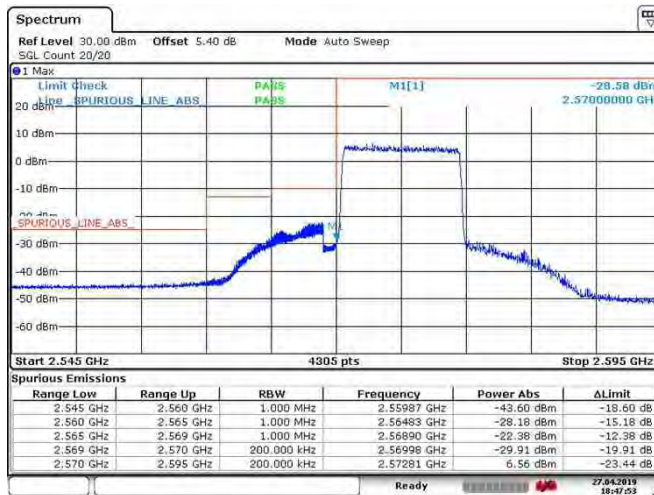


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Date: 27.APR.2019 18:49:05

**BAND38\_10MHz\_16QAM\_37800\_50RB#0**

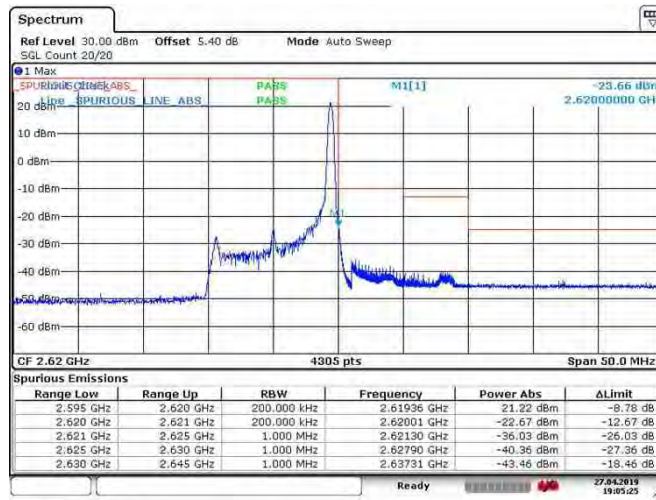


Date: 27.APR.2019 18:47:53

**BAND38\_10MHz\_16QAM\_38200\_1RB#49**

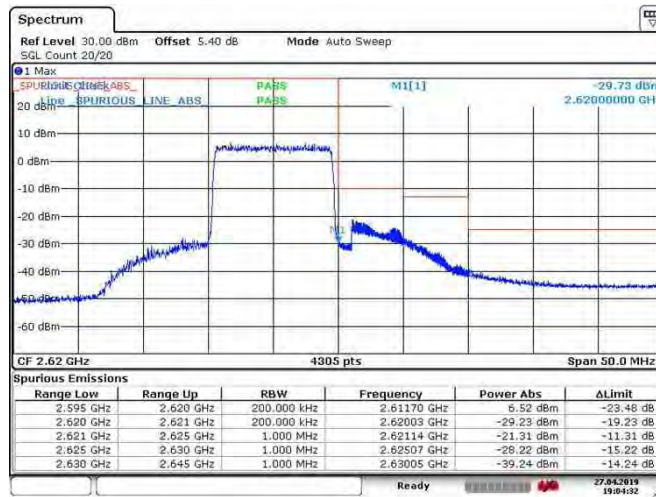


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Date: 27.APR.2019 19:05:25

**BAND38\_10MHz\_16QAM\_38200\_50RB#0**



Date: 27.APR.2019 19:04:32

**BAND38\_15MHz\_QPSK\_37825\_1RB#0**

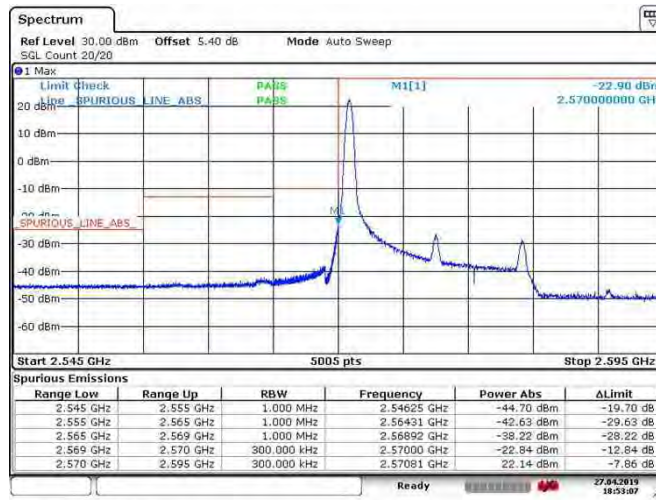


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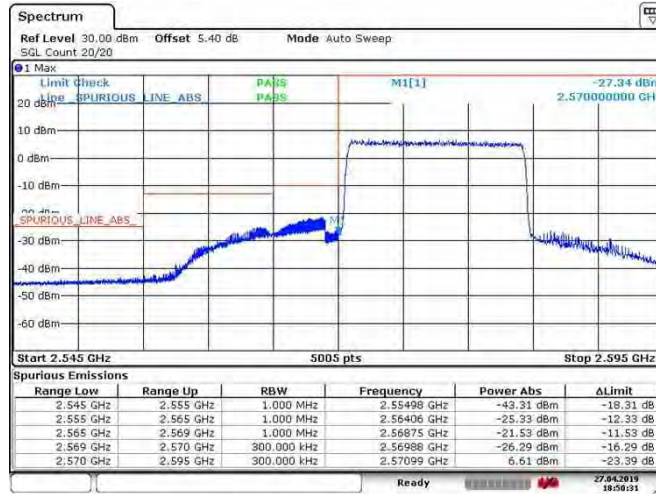
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Date: 27.APR.2019 18:53:08

**BAND38\_15MHz\_QPSK\_37825\_75RB#0**



Date: 27.APR.2019 18:50:32

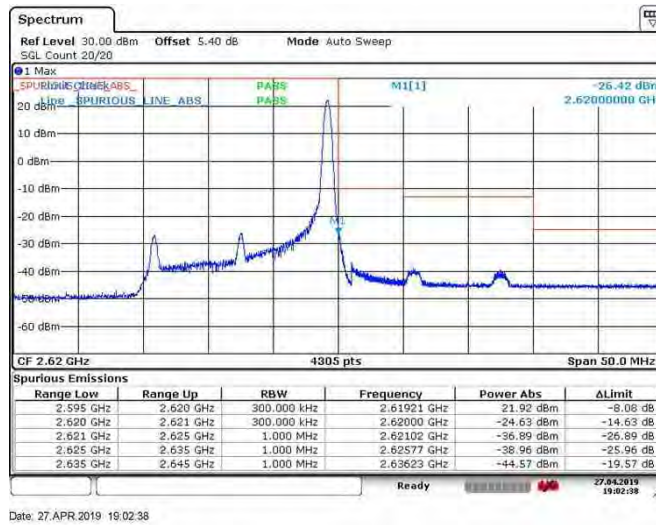
**BAND38\_15MHz\_QPSK\_38175\_1RB#74**



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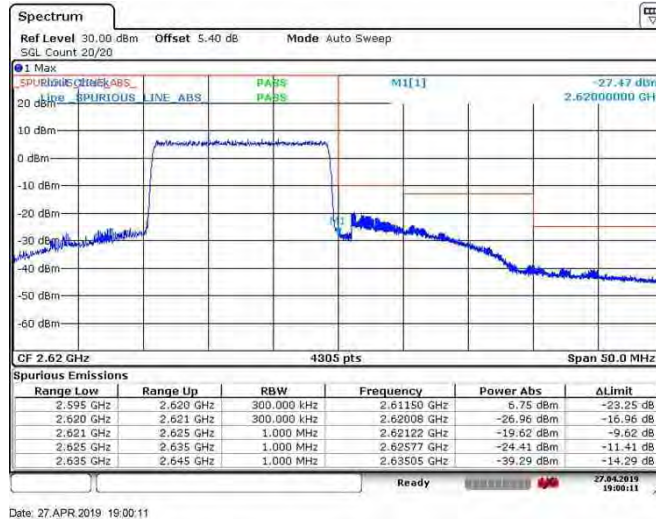
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Date: 27.APR.2019 19:02:38

**BAND38\_15MHz\_QPSK\_38175\_75RB#0**

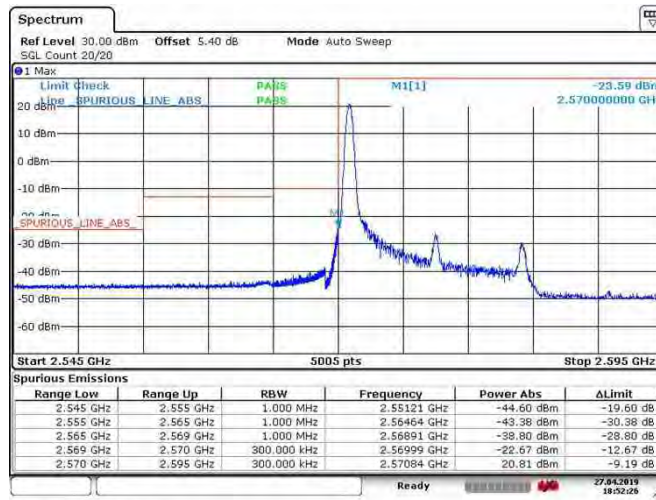


Date: 27.APR.2019 19:00:11

**BAND38\_15MHz\_64QAM\_37825\_1RB#0**

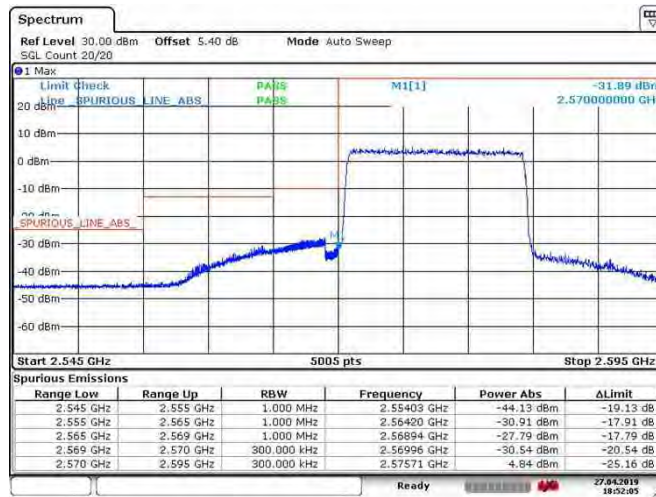


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Date: 27.APR.2019 18:52:26

BAND38\_15MHz\_64QAM\_37825\_75RB#0

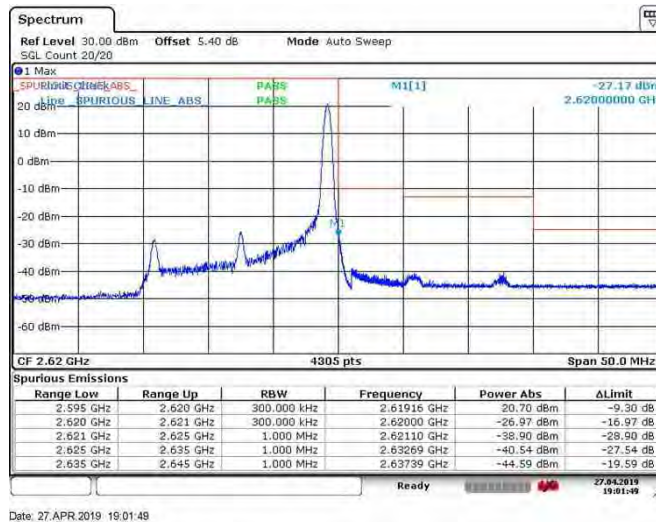


Date: 27.APR.2019 18:52:06

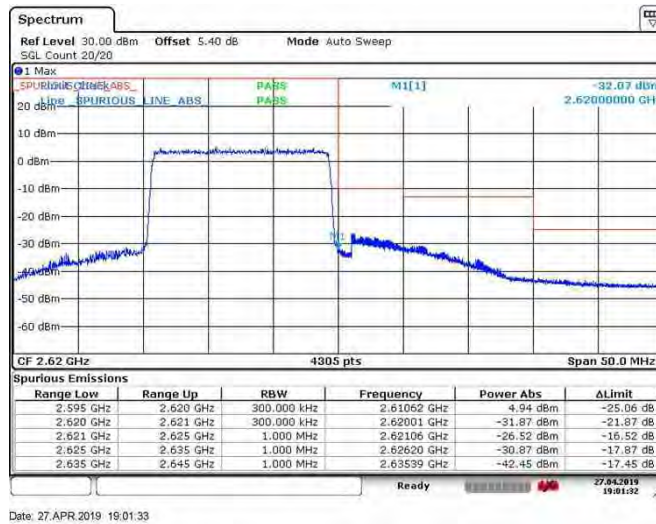
BAND38\_15MHz\_64QAM\_38175\_1RB#74



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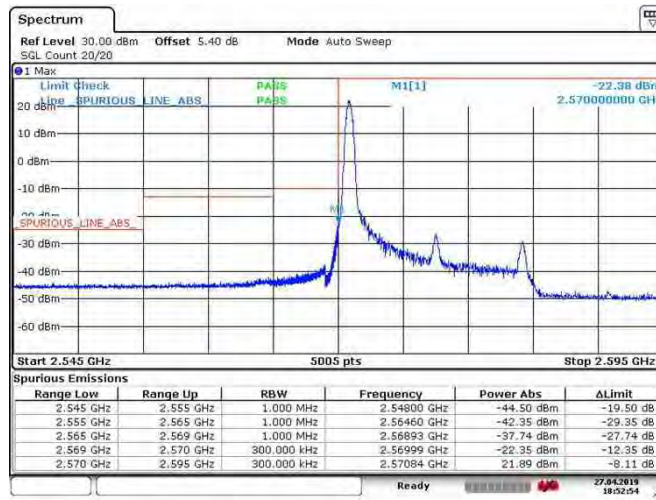
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**BAND38\_15MHz\_16QAM\_37825\_1RB#0**

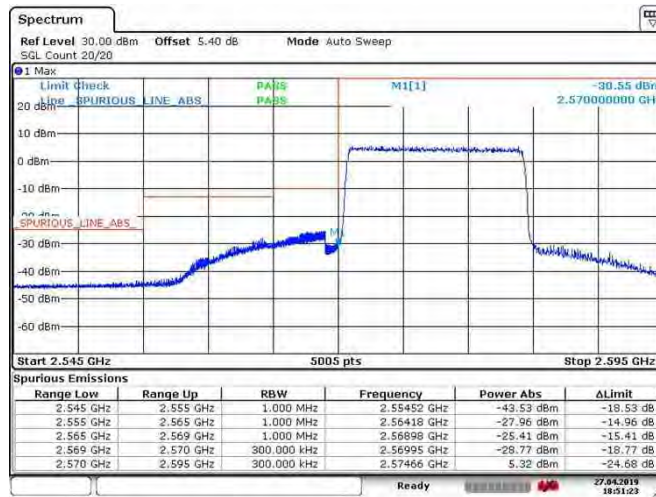


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Date: 27.APR 2019 18:52:54

BAND38\_15MHz\_16QAM\_37825\_75RB#0

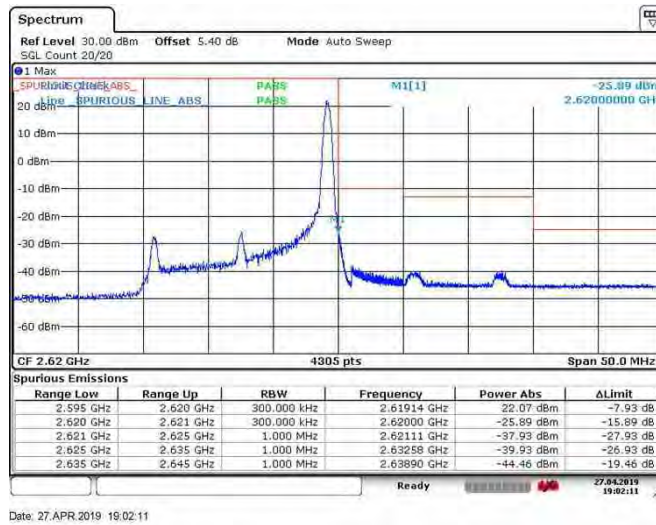


Date: 27.APR 2019 18:51:23

BAND38\_15MHz\_16QAM\_38175\_1RB#74

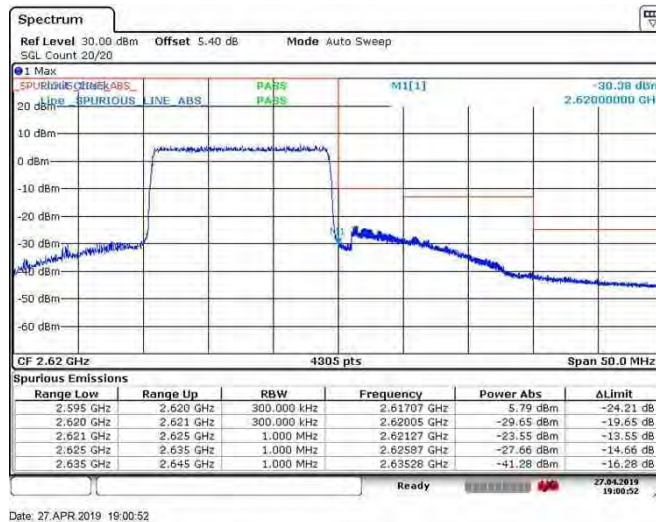


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Date: 27.APR.2019 19:02:11

BAND38\_15MHz\_16QAM\_38175\_75RB#0



Date: 27.APR.2019 19:00:52

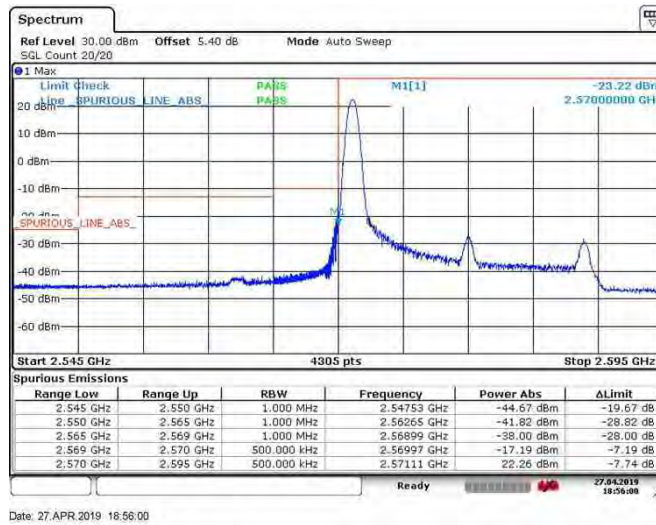
BAND38\_20MHz\_QPSK\_37850\_1RB#0



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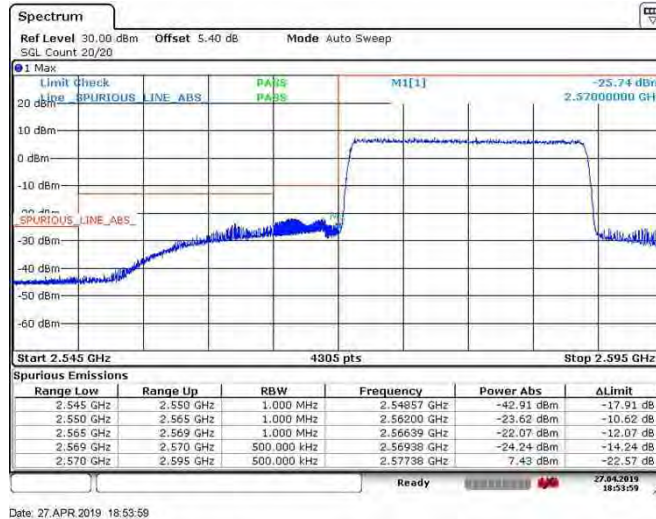
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Date: 27.APR.2019 18:56:00

BAND38\_20MHz\_QPSK\_37850\_100RB#0

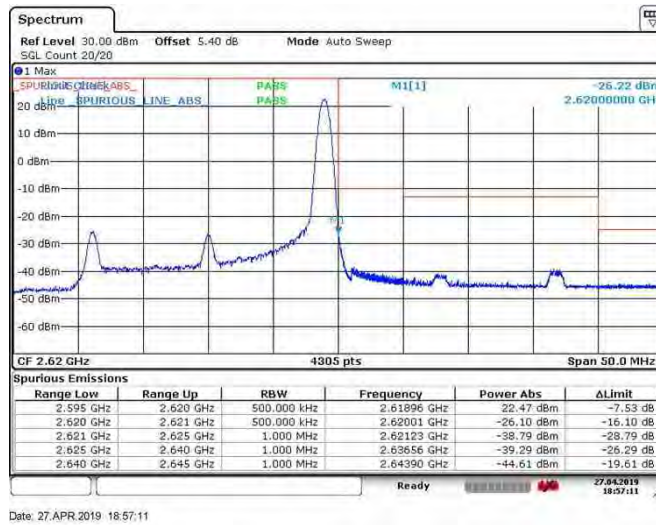


Date: 27.APR.2019 18:55:59

BAND38\_20MHz\_QPSK\_38150\_1RB#99

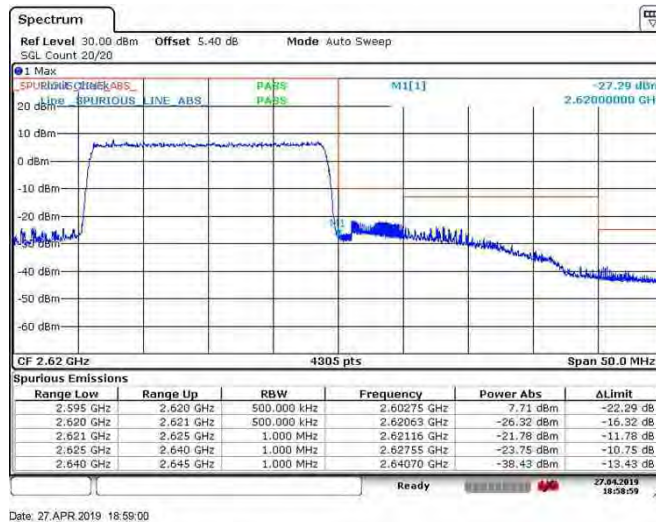


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Date: 27.APR.2019 18:57:11

**BAND38\_20MHz\_QPSK\_38150\_100RB#0**



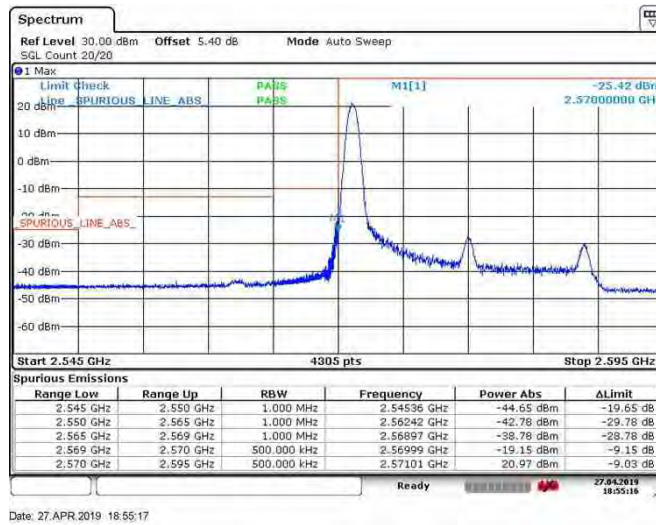
Date: 27.APR.2019 18:58:00

**BAND38\_20MHz\_64QAM\_37850\_1RB#0**



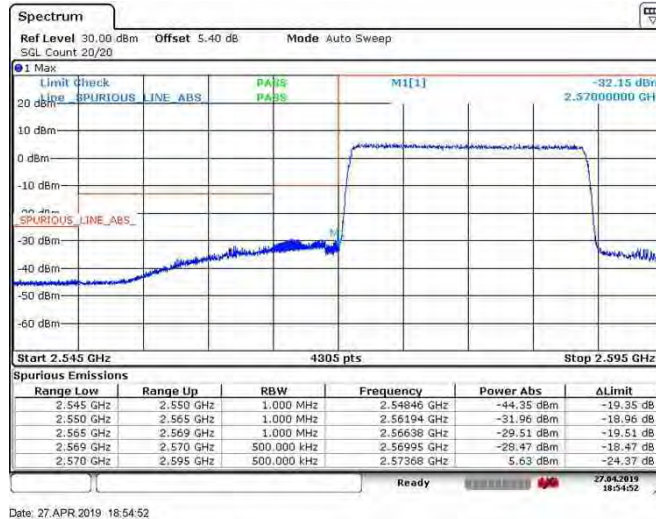
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Date: 27.APR.2019 18:55:17

**BAND38\_20MHz\_64QAM\_37850\_100RB#0**

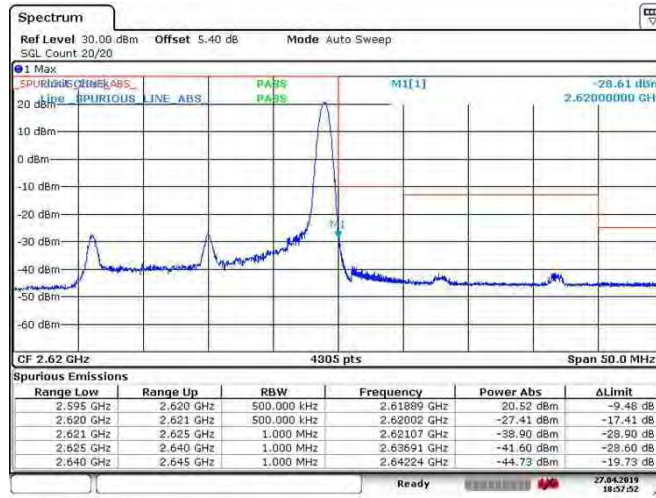


Date: 27.APR.2019 18:54:52

**BAND38\_20MHz\_64QAM\_38150\_1RB#99**

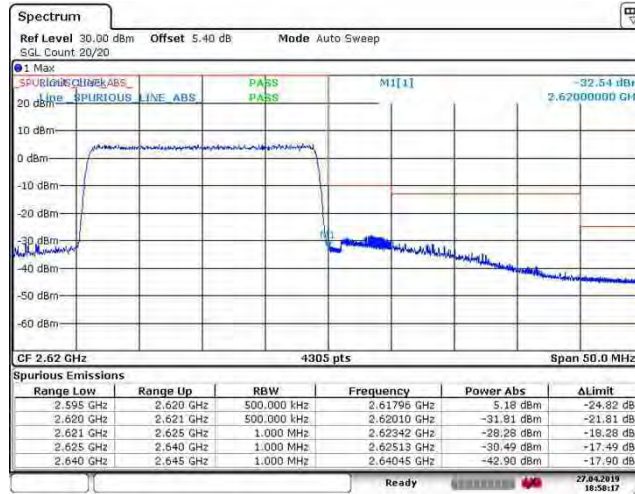


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Date: 27.APR.2019 18:57:52

**BAND38\_20MHz\_64QAM\_38150\_100RB#0**

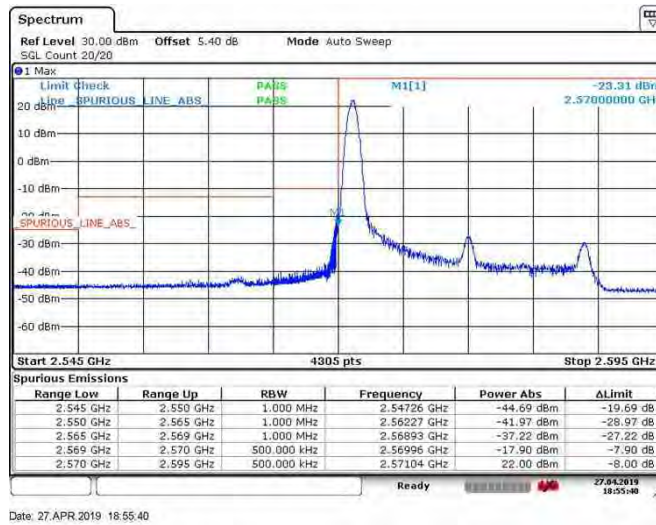


Date: 27.APR.2019 18:58:17

**BAND38\_20MHz\_16QAM\_37850\_1RB#0**

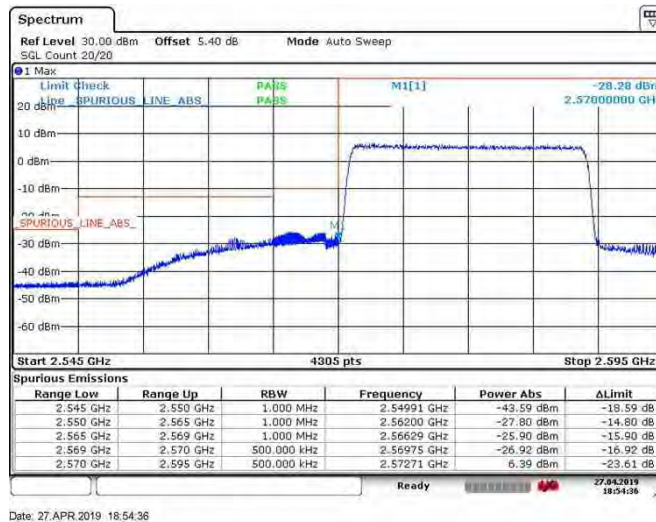


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Date: 27.APR.2019 18:55:40

**BAND38\_20MHz\_16QAM\_37850\_100RB#0**

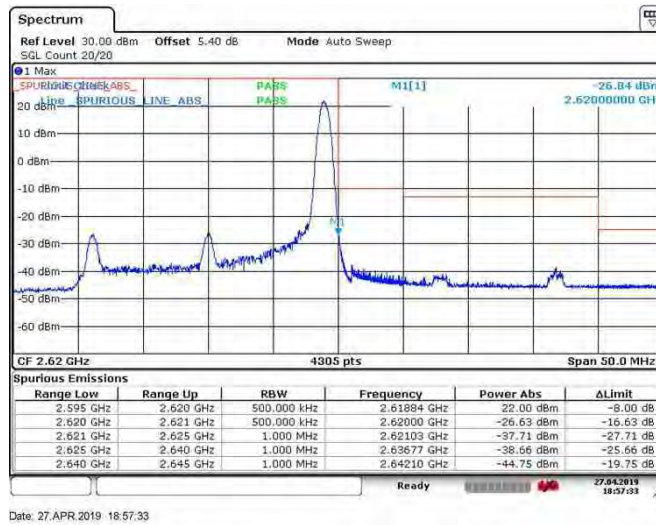


Date: 27.APR.2019 18:54:36

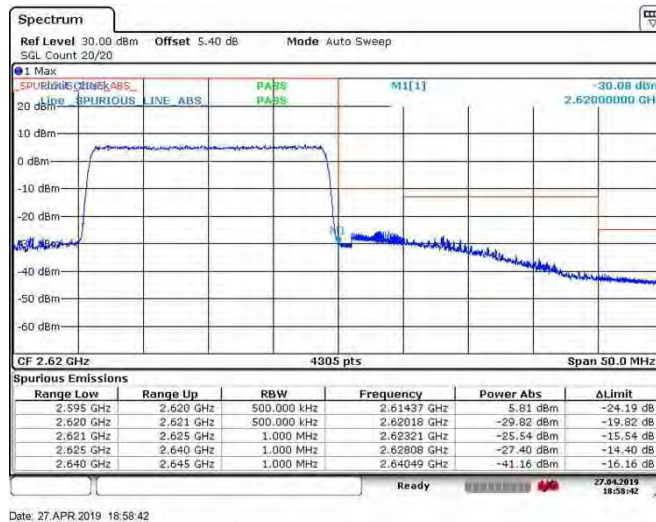
**BAND38\_20MHz\_16QAM\_38150\_1RB#99**



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**BAND38\_20MHz\_16QAM\_38150\_100RB#0**



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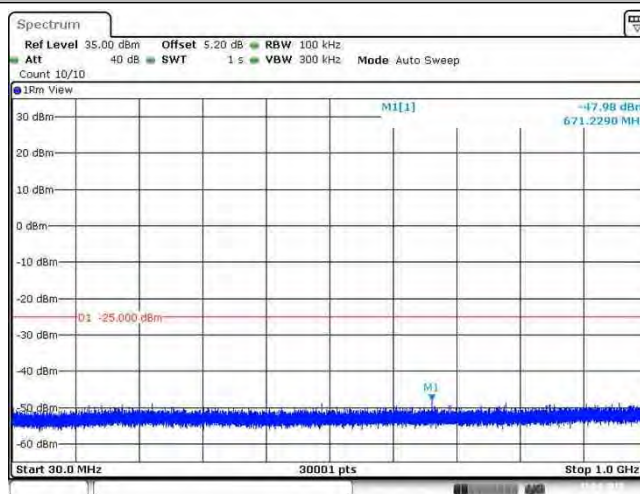
## 6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (Span / RBW)$ " with  $k$  between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

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

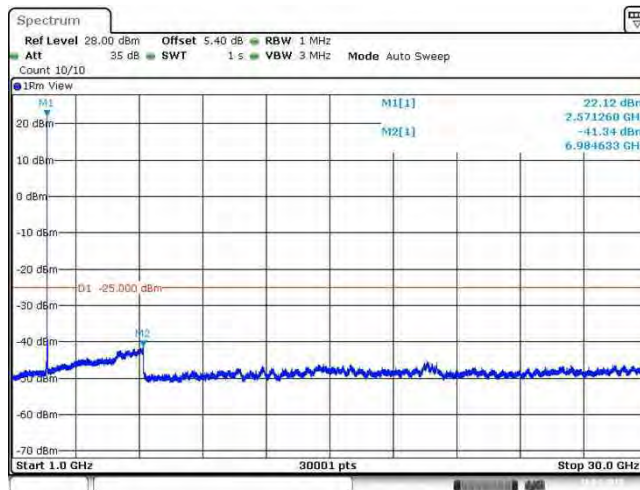
### 6.1. Test Plots

Band38\_20MHz\_QPSK\_37850\_1RB#0



Date: 19 APR. 2019 21:42:40

Band38\_20MHz\_QPSK\_37850\_1RB#0

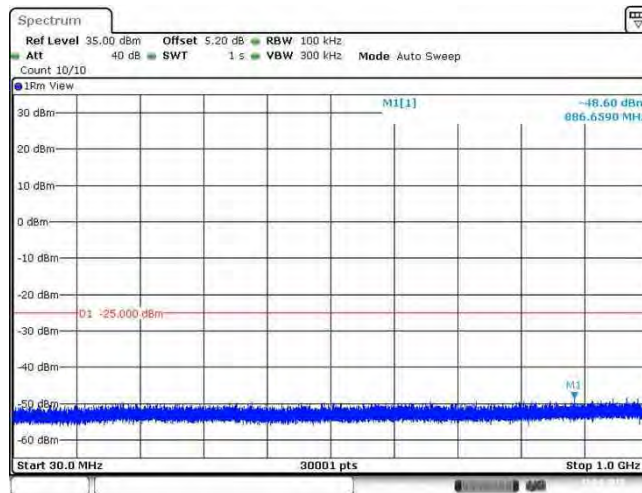


Date: 19 APR. 2019 21:42:29

Band38\_20MHz\_QPSK\_38000\_1RB#0

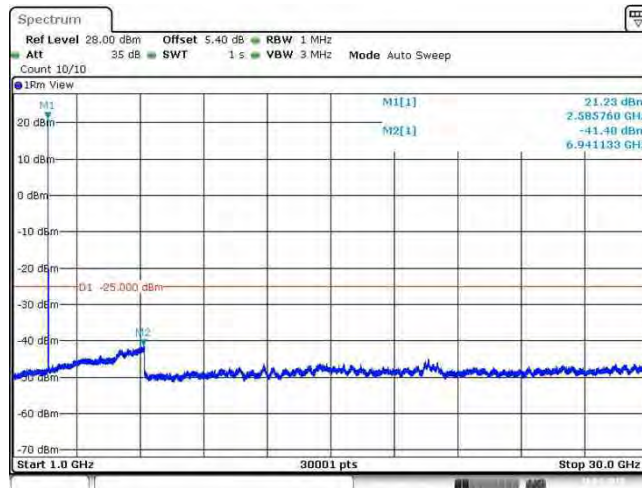


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Date: 19 APR 2019 21:44:04

**Band38\_20MHz\_QPSK\_38000\_1RB#0**

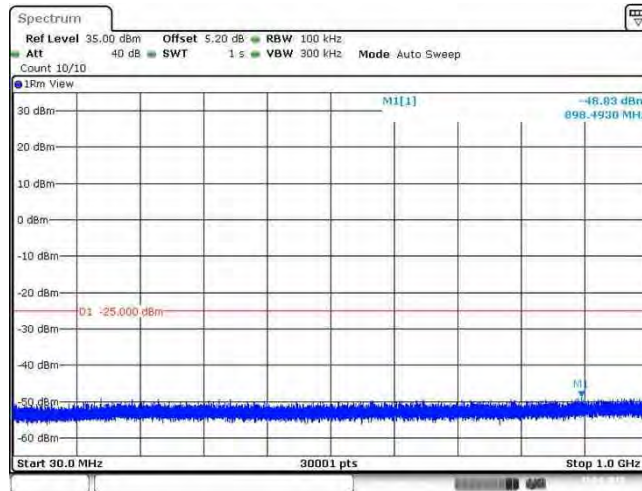


Date: 19 APR 2019 21:44:23

**Band38\_20MHz\_QPSK\_38150\_1RB#0**

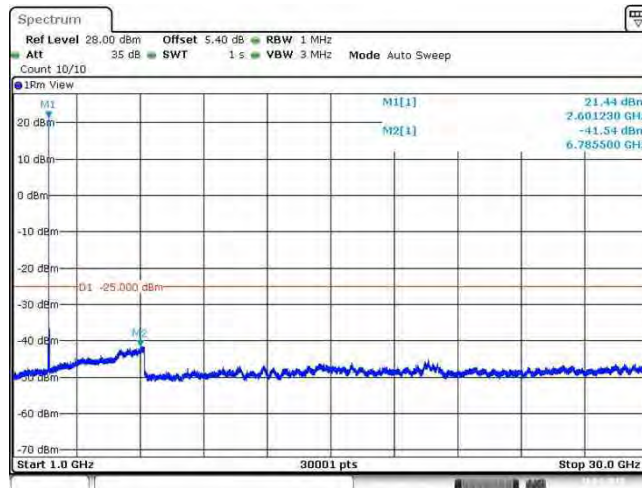


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Date: 19 APR. 2019 21:45:57

Band38\_20MHz\_QPSK\_38150\_1RB#0

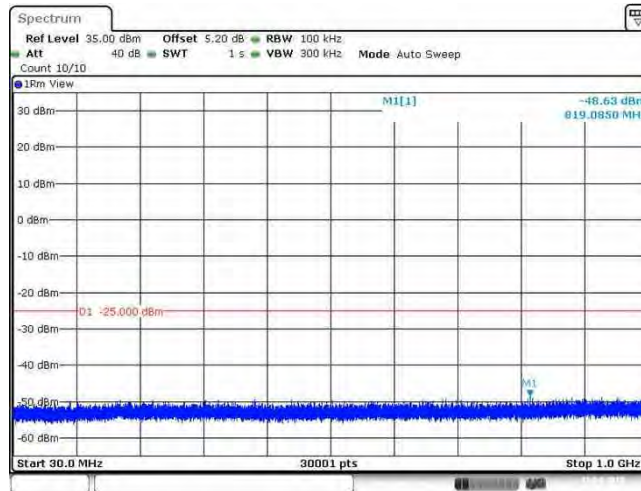


Date: 19 APR. 2019 21:46:17

Band38\_20MHz\_64QAM\_37850\_1RB#0

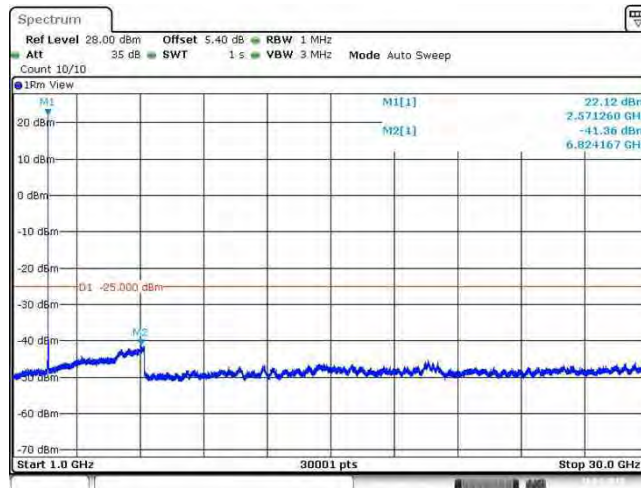


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Date: 19 APR. 2019 21:43:26

**Band38\_20MHz\_64QAM\_37850\_1RB#0**



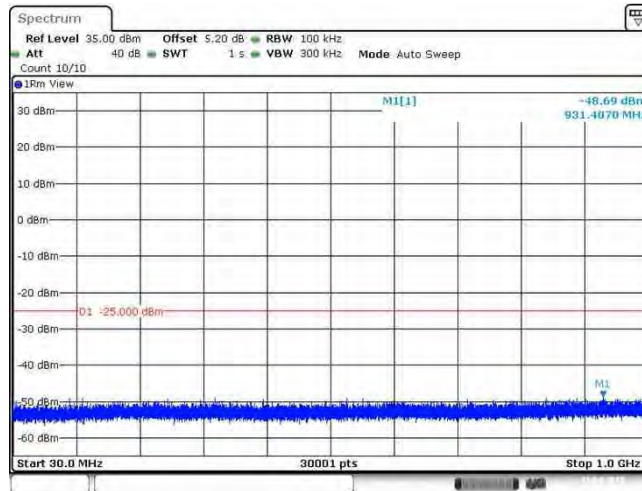
Date: 19 APR. 2019 21:43:45

**Band38\_20MHz\_64QAM\_38000\_1RB#0**



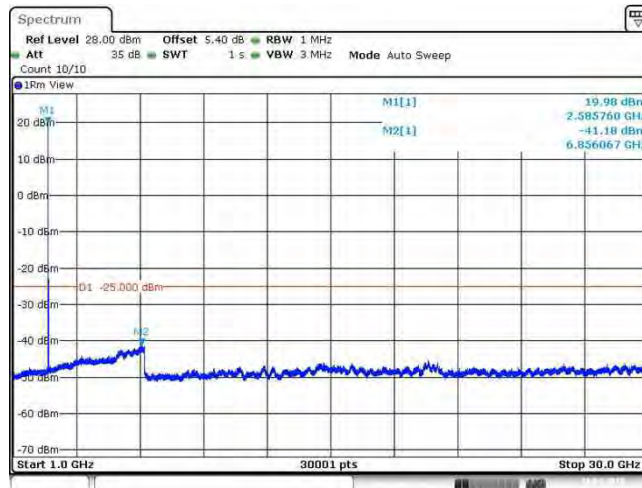
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Date: 19 APR. 2019 21:45:19

Band38\_20MHz\_64QAM\_38000\_1RB#0

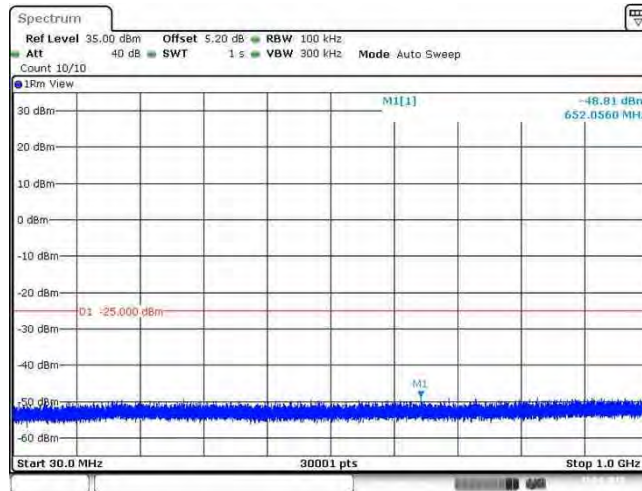


Date: 19 APR. 2019 21:45:38

Band38\_20MHz\_64QAM\_38150\_1RB#0

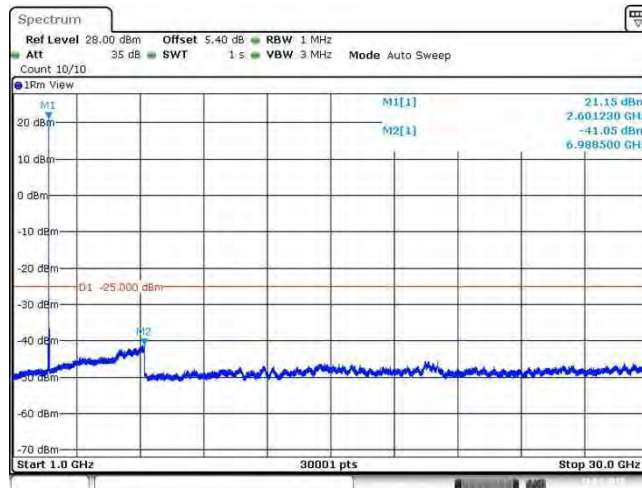


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Date: 19 APR. 2019 21:47:13

**Band38\_20MHz\_64QAM\_38150\_1RB#0**

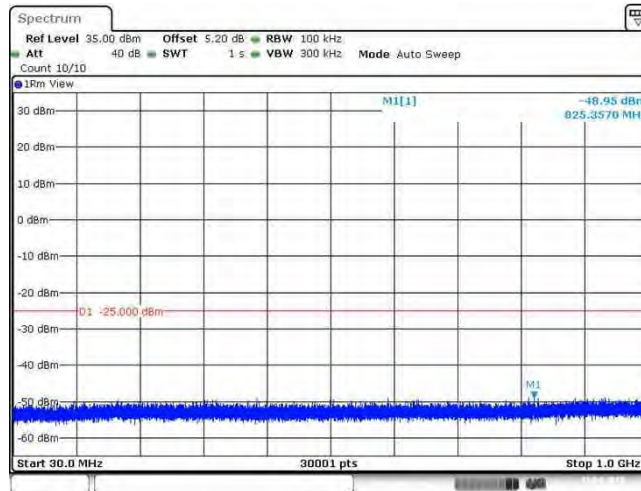


Date: 19 APR. 2019 21:47:32

**Band38\_20MHz\_16QAM\_37850\_1RB#0**

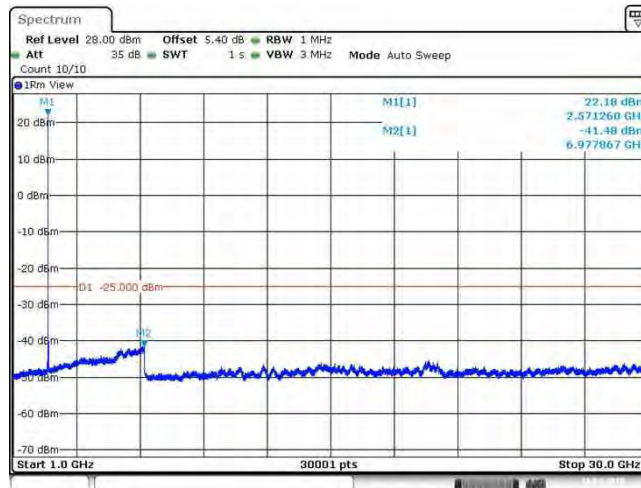


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Date: 19 APR. 2019 21:42:48

**Band38\_20MHz\_16QAM\_37850\_1RB#0**

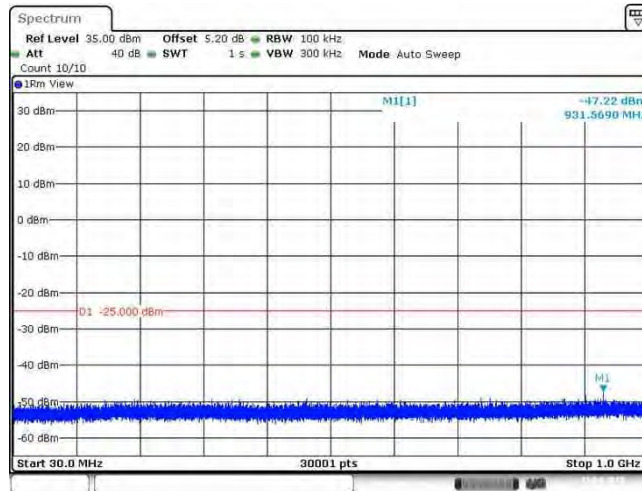


Date: 19 APR. 2019 21:43:07

**Band38\_20MHz\_16QAM\_38000\_1RB#0**

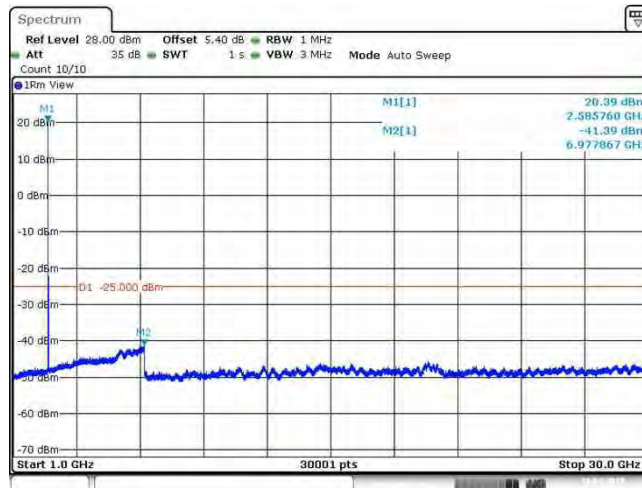


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Date: 19 APR. 2019 21:44:41

Band38\_20MHz\_16QAM\_38000\_1RB#0

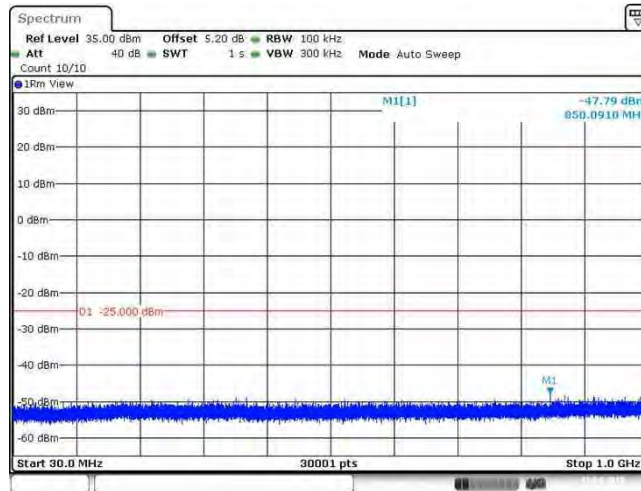


Date: 19 APR. 2019 21:45:01

Band38\_20MHz\_16QAM\_38150\_1RB#0

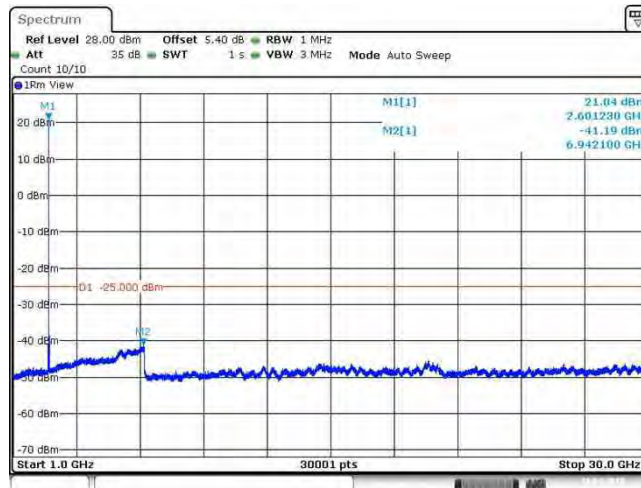


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Date: 19 APR. 2019 21:46:35

**Band38\_20MHz\_16QAM\_38150\_1RB#0**



Date: 19 APR. 2019 21:46:54



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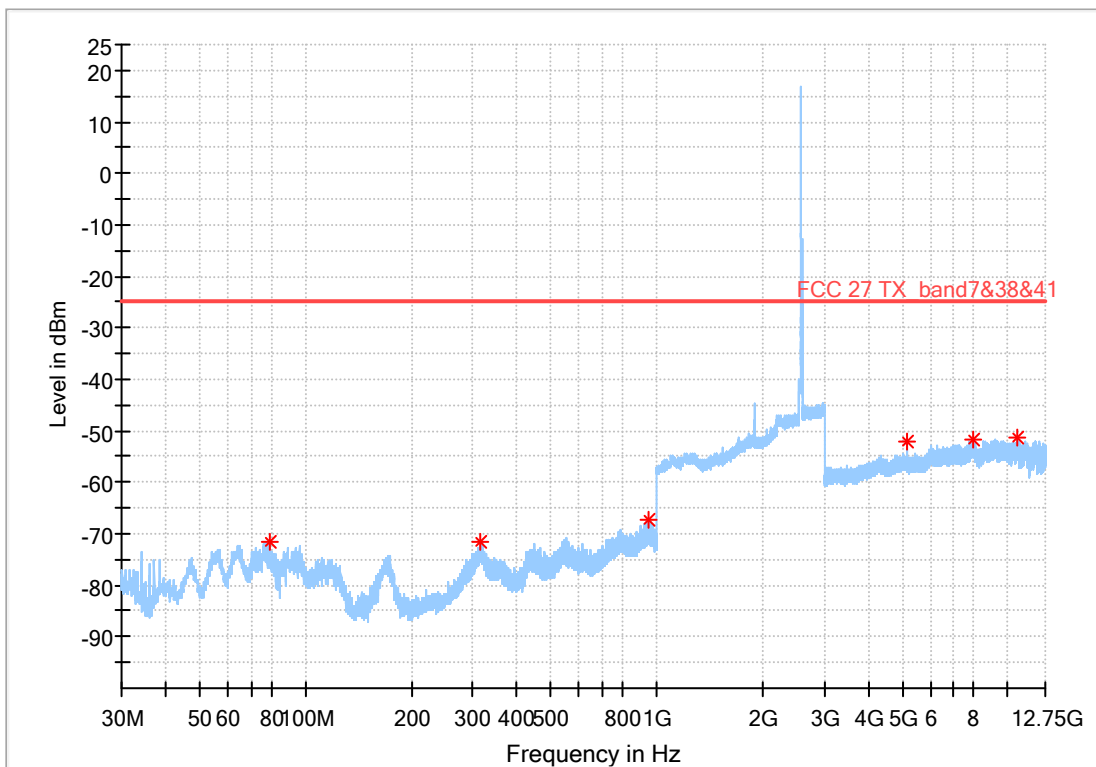
## 7. Field Strength of Spurious Radiation

### 7.1. Test BAND = LTE Band 38

#### 7.1.1. Test Mode = LTE/TM1 (Down Ant)

##### 7.1.1.1. Test Channel = LCH\_Vertical

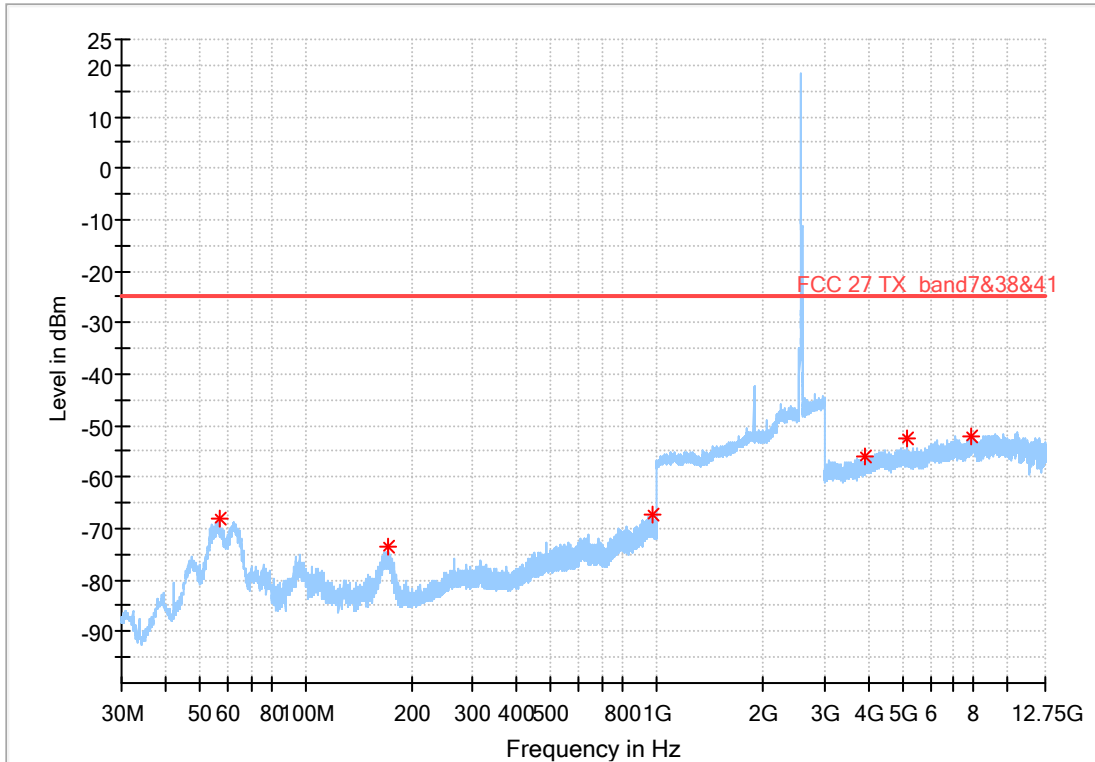
Full Spectrum



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### 7.1.1.2. Test Channel = LCH\_Horizontal

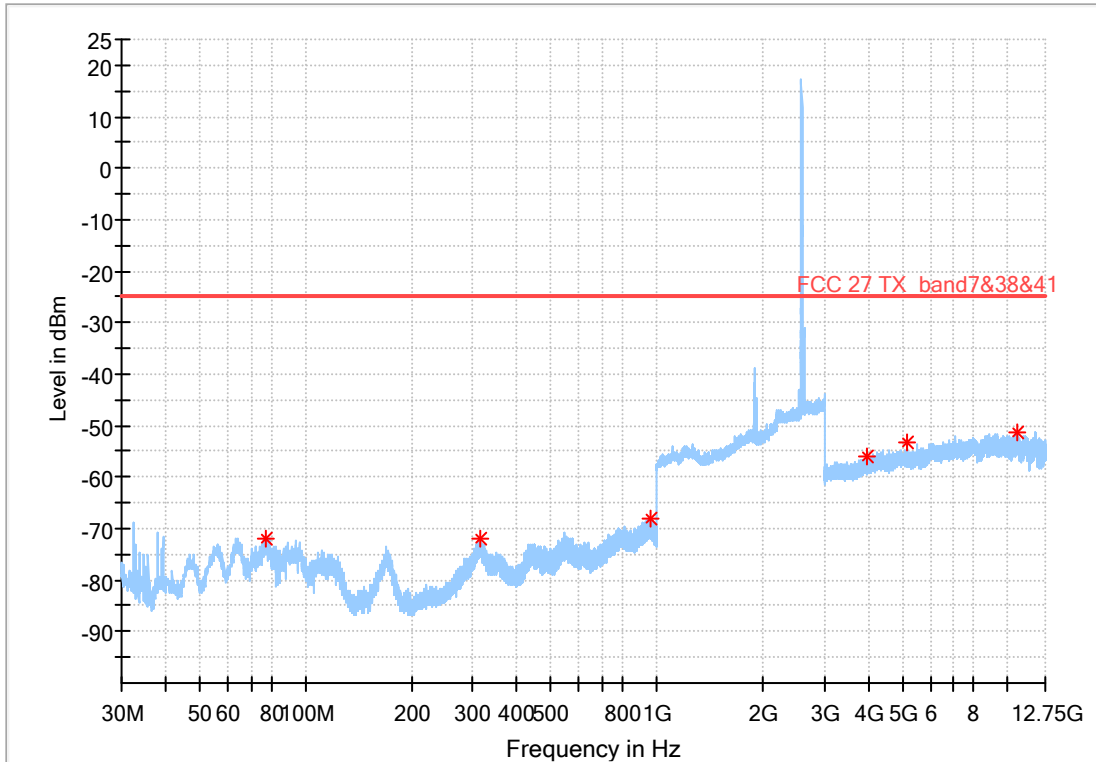
Full Spectrum



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### 7.1.1.3. Test Channel = MCH\_Vertical

Full Spectrum

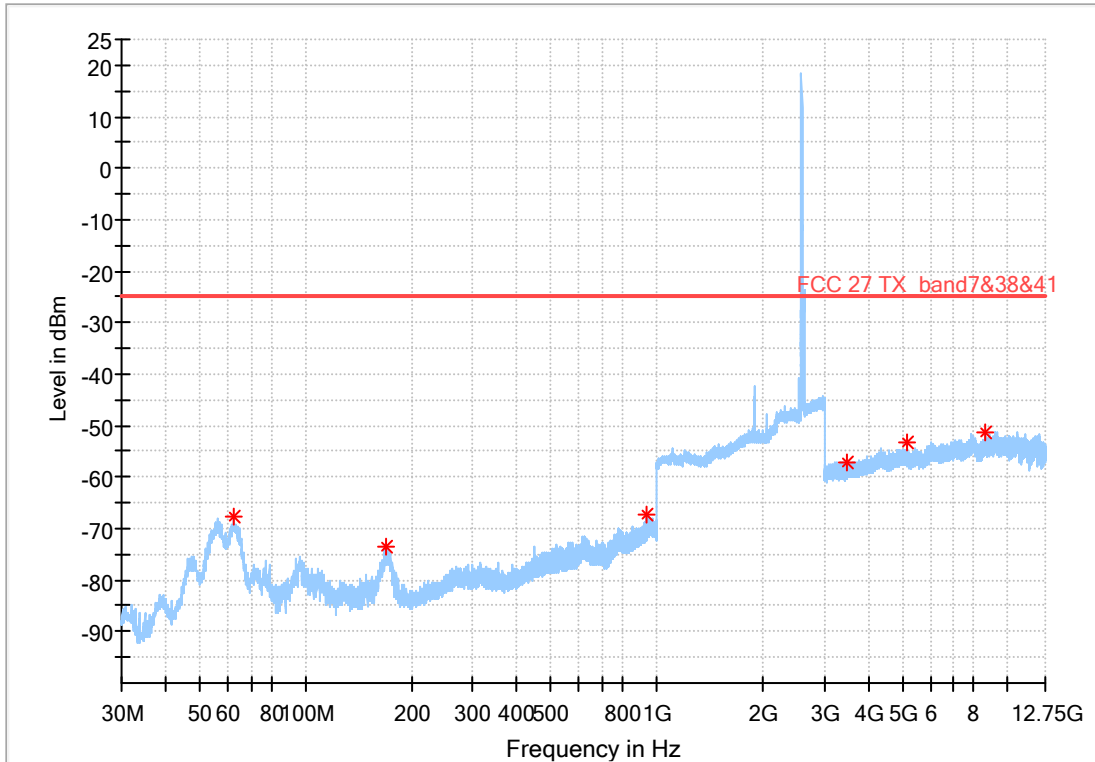


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### 7.1.1.4. Test Channel = MCH\_ Horizontal

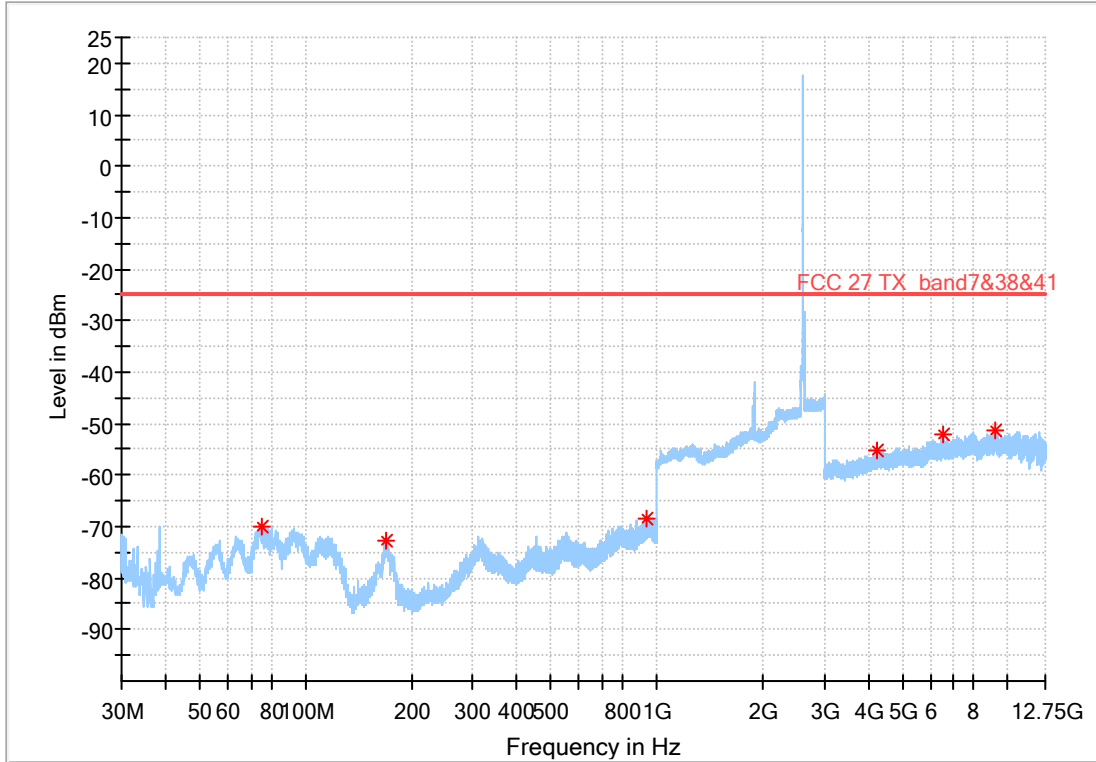
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### 7.1.1.5. Test Channel = HCH\_Vertical

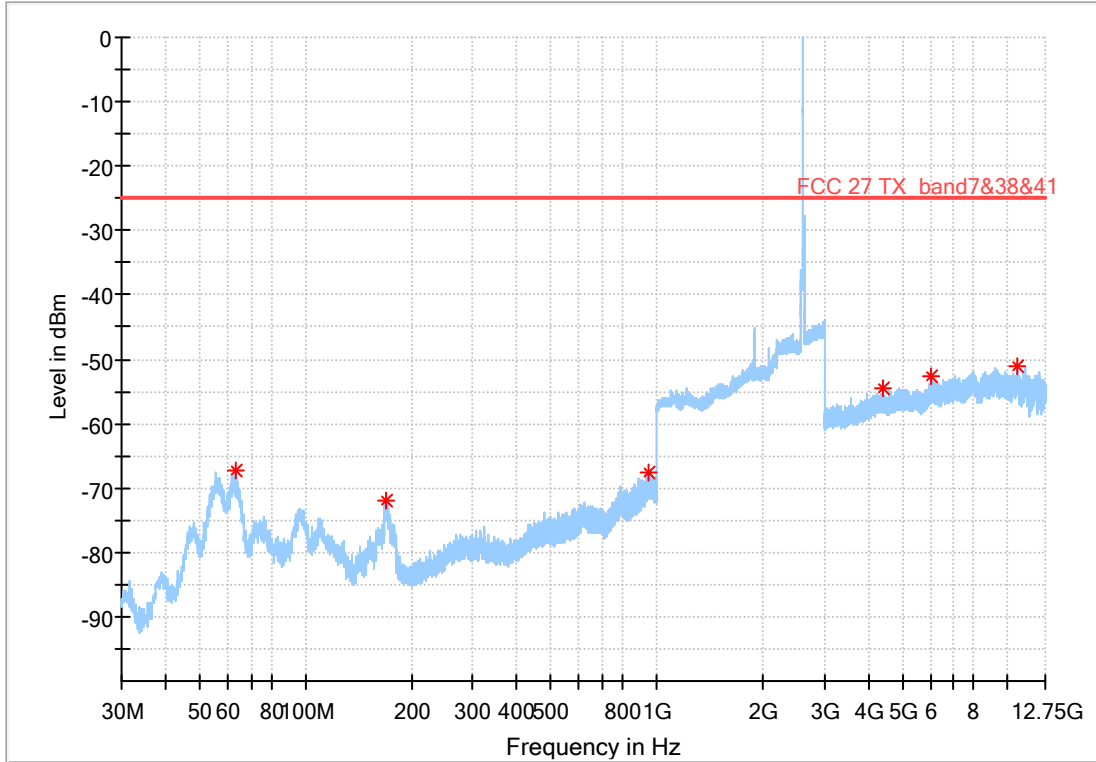
Full Spectrum



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**7.1.1.6. Test Channel = HCH\_ Horizontal**

Full Spectrum



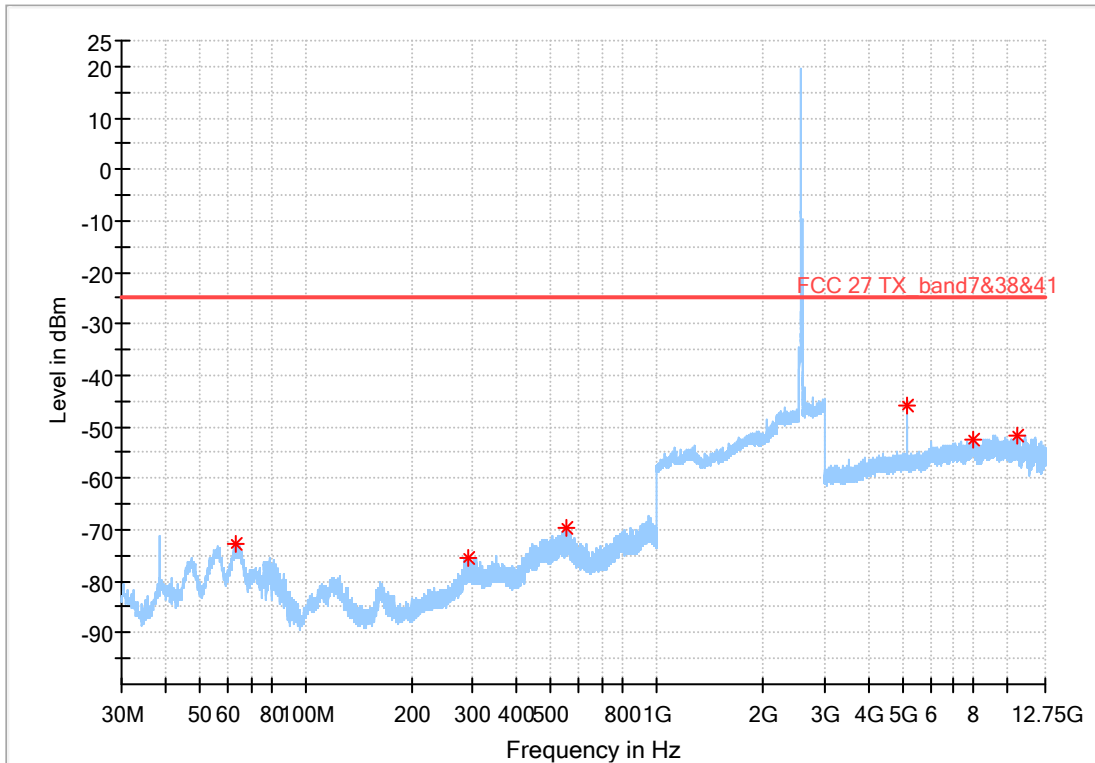
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### 7.1.2. Test Mode = LTE/TM1 (Up Ant)

#### 7.1.2.1. Test Channel = LCH\_Vertical

Full Spectrum

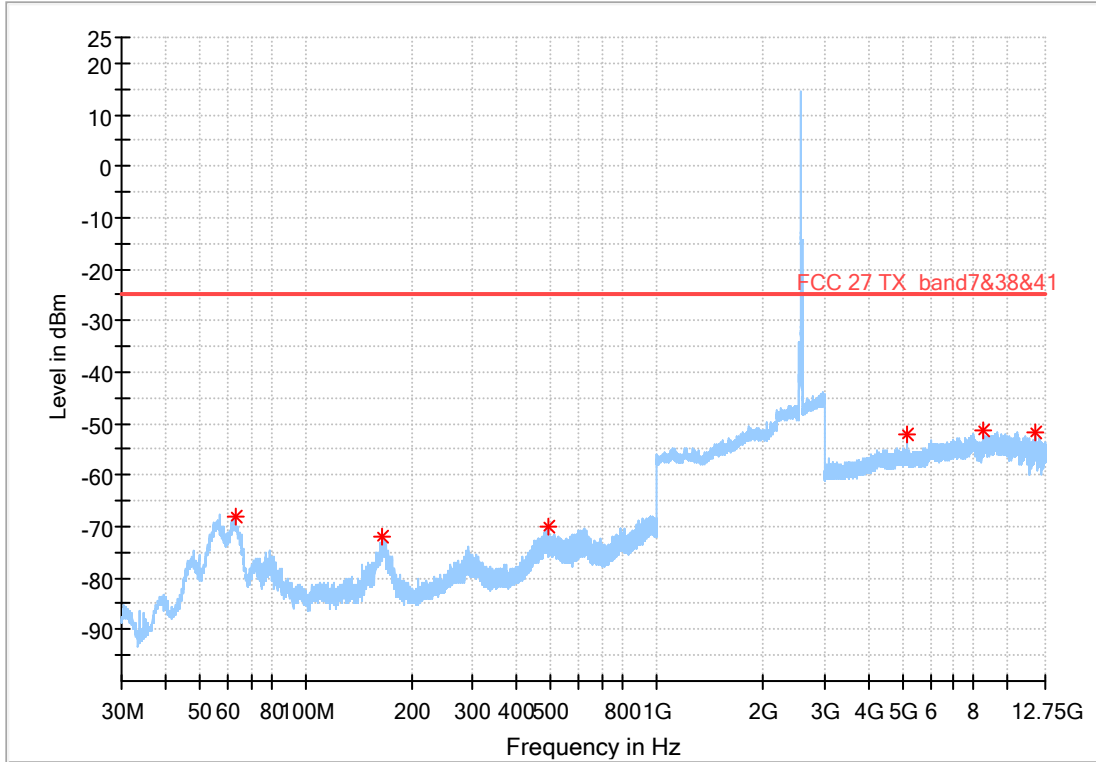


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中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

**7.1.2.2. Test Channel = LCH\_Horizontal**

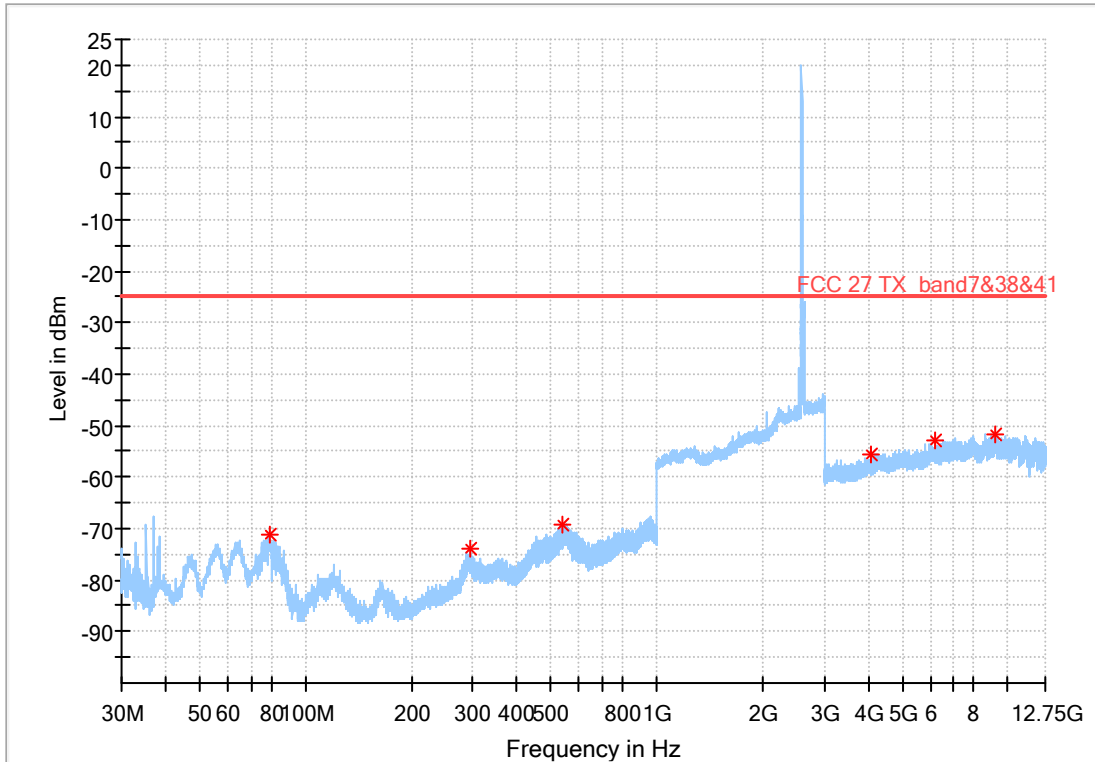
Full Spectrum



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### 7.1.2.3. Test Channel = MCH\_Vertical

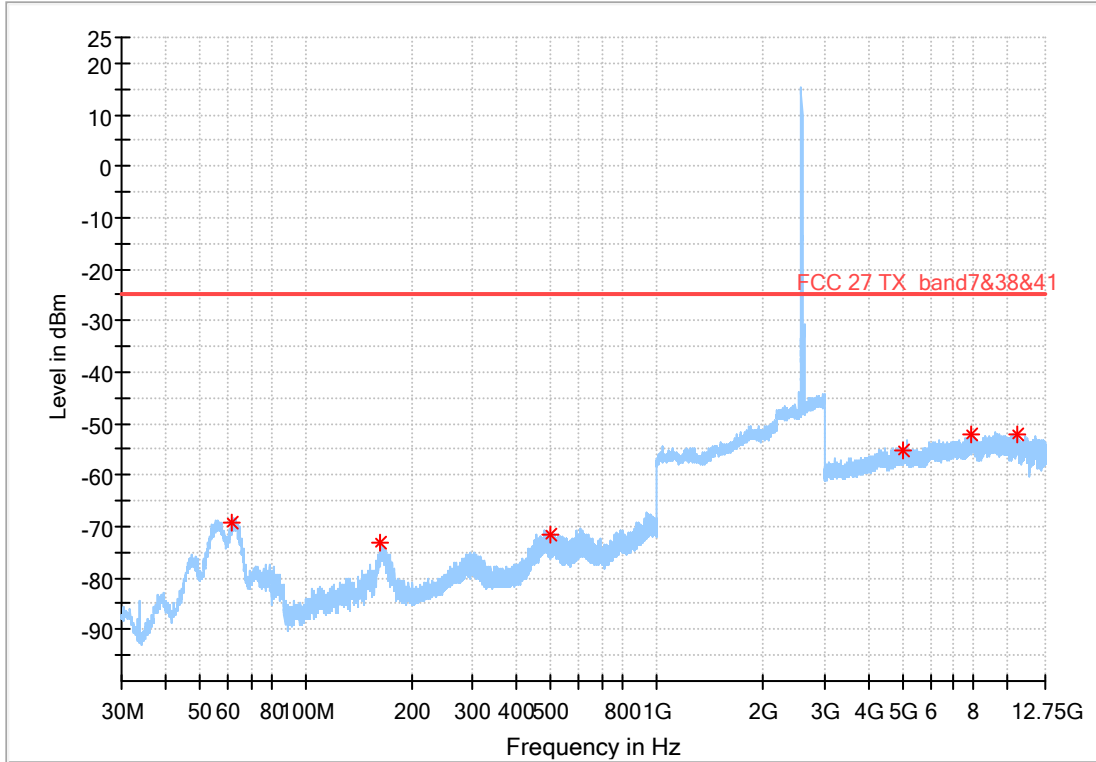
Full Spectrum



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**7.1.2.4. Test Channel = MCH\_ Horizontal**

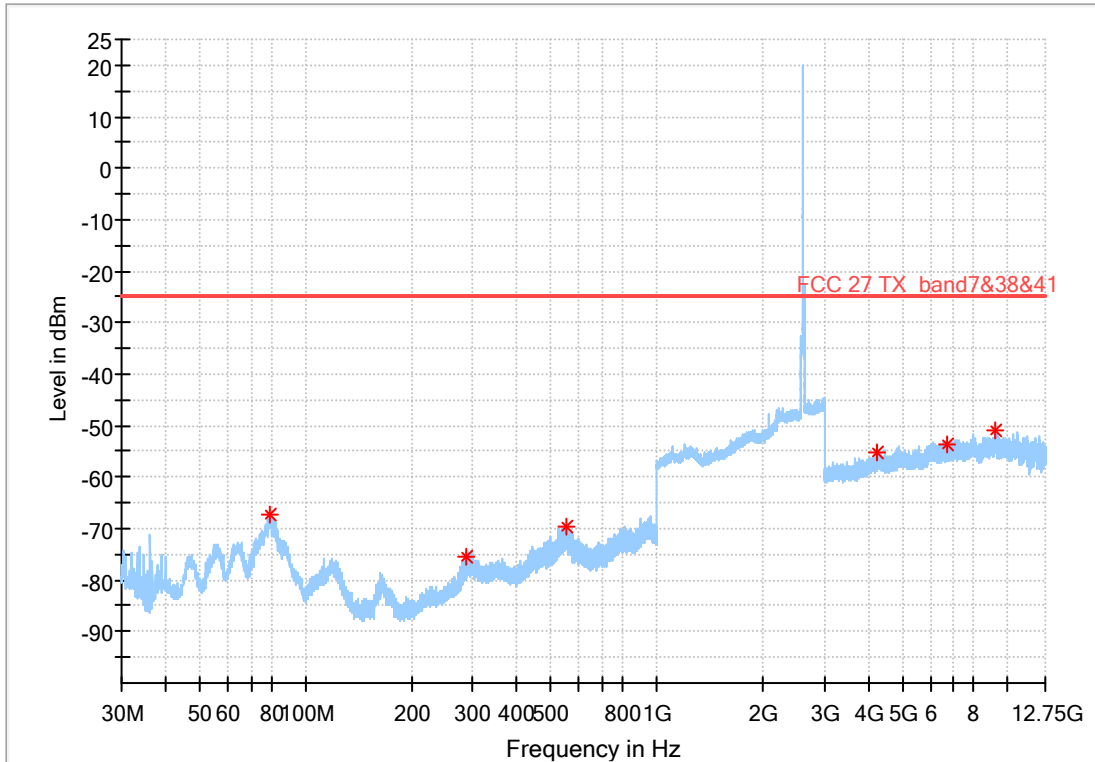
Full Spectrum



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### 7.1.2.5. Test Channel = HCH\_Vertical

Full Spectrum

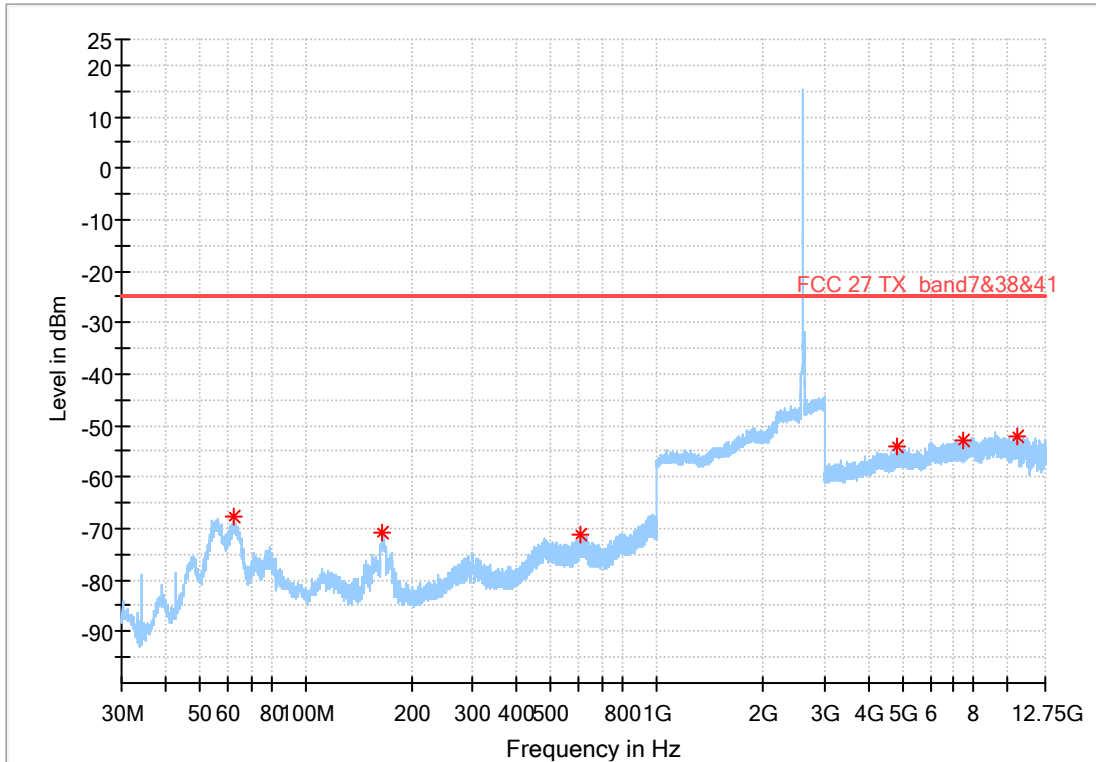


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### 7.1.2.6. Test Channel = HCH\_ Horizontal

Full Spectrum



**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	-11.60	-0.004496	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VN	NT	-11.80	-0.004574	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VH	NT	-12.70	-0.004922	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-15.20	-0.005857	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-14.50	-0.005588	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-15.70	-0.006050	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VL	NT	-15.30	-0.005862	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VN	NT	-15.10	-0.005785	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VH	NT	-15.50	-0.005939	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VL	NT	-12.20	-0.004729	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VN	NT	-12.80	-0.004961	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VH	NT	-13.30	-0.005155	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VL	NT	-15.30	-0.005896	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VN	NT	-15.10	-0.005819	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VH	NT	-15.40	-0.005934	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VL	NT	-15.00	-0.005747	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VN	NT	-15.00	-0.005747	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VH	NT	-16.40	-0.006284	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VL	NT	-12.70	-0.004922	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VN	NT	-12.10	-0.004690	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VH	NT	-12.80	-0.004961	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VL	NT	-15.20	-0.005857	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VN	NT	-15.80	-0.006089	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VH	NT	-15.90	-0.006127	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VL	NT	-16.00	-0.006130	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VN	NT	-16.70	-0.006398	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VH	NT	-15.90	-0.006092	±2.5	PASS



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## 8.2. Frequency Vs Temperature

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	-11.30	-0.004380	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-20	-11.10	-0.004302	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	0	-11.40	-0.004419	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	10	-11.70	-0.004535	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	20	-11.90	-0.004612	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	30	-12.10	-0.004690	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	40	-10.90	-0.004225	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	50	-12.00	-0.004651	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-15.20	-0.005857	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	-15.20	-0.005857	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	-15.00	-0.005780	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-15.40	-0.005934	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	-14.30	-0.005511	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-14.80	-0.005703	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-15.70	-0.006050	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	-15.00	-0.005780	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-30	-15.80	-0.006054	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-20	-15.40	-0.005900	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	0	-16.20	-0.006207	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	10	-15.80	-0.006054	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	20	-15.90	-0.006092	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	30	-16.20	-0.006207	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	40	-15.90	-0.006092	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	50	-15.20	-0.005824	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-30	-11.80	-0.004574	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-20	-12.50	-0.004845	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	0	-11.50	-0.004457	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	10	-12.20	-0.004729	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	20	-12.60	-0.004884	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	30	-12.30	-0.004767	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	40	-11.60	-0.004496	±2.5	PASS



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Band38	20MHz	64QAM	37850	100RB#0	NV	50	-12.70	-0.004922	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-30	-15.10	-0.005819	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-20	-15.60	-0.006012	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	0	-14.70	-0.005665	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	10	-15.70	-0.006050	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	20	-16.30	-0.006281	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	30	-14.60	-0.005626	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	40	-15.50	-0.005973	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	50	-14.60	-0.005626	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-30	-14.90	-0.005709	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-20	-15.90	-0.006092	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	0	-15.70	-0.006015	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	10	-17.10	-0.006552	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	20	-15.90	-0.006092	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	30	-16.40	-0.006284	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	40	-16.20	-0.006207	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	50	-16.00	-0.006130	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-30	-11.80	-0.004574	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-20	-12.50	-0.004845	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	0	-12.10	-0.004690	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	10	-12.10	-0.004690	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	20	-12.20	-0.004729	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	30	-12.40	-0.004806	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	40	-11.80	-0.004574	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	50	-12.70	-0.004922	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-30	-15.10	-0.005819	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-20	-15.00	-0.005780	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	0	-16.10	-0.006204	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	10	-15.60	-0.006012	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	20	-15.40	-0.005934	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	30	-14.70	-0.005665	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	40	-14.30	-0.005511	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	50	-15.30	-0.005896	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-30	-16.00	-0.006130	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-20	-15.60	-0.005977	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	0	-16.30	-0.006245	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	10	-17.10	-0.006552	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	20	-16.60	-0.006360	±2.5	PASS



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Band38	20MHz	16QAM	38150	100RB#0	NV	30	-16.30	-0.006245	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	40	-16.00	-0.006130	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	50	-16.50	-0.006322	±2.5	PASS

The End



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