



Appendix B

E-UTRA Band 38



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1 Effective (Isotropic) Radiated Power

ANT4:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	23.31	20.31	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	23.33	20.33	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	23.30	20.30	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	22.50	19.50	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	22.51	19.51	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	22.47	19.47	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.41	19.41	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	23.19	20.19	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	23.33	20.33	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	23.30	20.30	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	22.30	19.30	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	22.36	19.36	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	22.39	19.39	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	22.43	19.43	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	23.29	20.29	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	23.36	20.36	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	23.33	20.33	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	22.39	19.39	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	22.35	19.35	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	22.44	19.44	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	22.34	19.34	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.38	19.38	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.53	19.53	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.45	19.45	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	21.45	18.45	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	21.42	18.42	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	21.48	18.48	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.52	18.52	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	22.36	19.36	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.42	19.42	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.38	19.38	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#0	21.28	18.28	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	21.35	18.35	33.00	PASS



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Band38	5MHz	16QAM	38000	12RB#13	21.42	18.42	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	21.40	18.40	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	22.46	19.46	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.51	19.51	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.46	19.46	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#0	21.33	18.33	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#6	21.38	18.38	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	21.43	18.43	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	21.43	18.43	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	21.33	18.33	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	21.21	18.21	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	21.40	18.40	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#0	20.39	17.39	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#6	20.27	17.27	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#13	20.34	17.34	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	20.25	17.25	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	21.29	18.29	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	21.44	18.44	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	21.31	18.31	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#0	20.35	17.35	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#6	20.40	17.40	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#13	20.43	17.43	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	20.32	17.32	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	21.38	18.38	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	21.24	18.24	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	21.32	18.32	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#0	20.14	17.14	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#6	20.15	17.15	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#13	20.14	17.14	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	20.33	17.33	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.48	20.48	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.38	20.38	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.38	20.38	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	22.43	19.43	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	22.41	19.41	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#25	22.45	19.45	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.41	19.41	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	23.20	20.20	33.00	PASS



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Band38	10MHz	QPSK	38000	1RB#24	23.30	20.30	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	23.33	20.33	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#0	22.29	19.29	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	22.36	19.36	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	22.39	19.39	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	22.47	19.47	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	23.27	20.27	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	23.37	20.37	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	23.32	20.32	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	22.33	19.33	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	22.39	19.39	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	22.45	19.45	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	22.45	19.45	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.50	19.50	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.42	19.42	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.45	19.45	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#0	21.39	18.39	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	21.48	18.48	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	21.43	18.43	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	21.51	18.51	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.36	19.36	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.27	19.27	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.39	19.39	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	21.44	18.44	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	21.41	18.41	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	21.42	18.42	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	21.42	18.42	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.39	19.39	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.29	19.29	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.35	19.35	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	21.36	18.36	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	21.44	18.44	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	21.35	18.35	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	21.44	18.44	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	21.39	18.39	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	21.19	18.19	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#49	21.27	18.27	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#0	20.32	17.32	33.00	PASS



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Band38	10MHz	64QAM	37800	25RB#12	20.19	17.19	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#25	20.40	17.40	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	20.44	17.44	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	21.39	18.39	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	21.42	18.42	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	21.23	18.23	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#0	20.34	17.34	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#12	20.40	17.40	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#25	20.22	17.22	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	20.35	17.35	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	21.22	18.22	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	21.24	18.24	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	21.15	18.15	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#0	20.17	17.17	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#12	20.32	17.32	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#25	20.26	17.26	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	20.29	17.29	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.30	20.30	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	23.29	20.29	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	23.21	20.21	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#0	22.51	19.51	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#18	22.49	19.49	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#37	22.51	19.51	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.51	19.51	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	23.30	20.30	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	23.27	20.27	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	23.29	20.29	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#0	22.37	19.37	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#18	22.41	19.41	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#37	22.41	19.41	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.48	19.48	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	23.24	20.24	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	23.13	20.13	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	23.35	20.35	33.00	PASS
Band38	15MHz	QPSK	38175	38RB#0	22.43	19.43	33.00	PASS
Band38	15MHz	QPSK	38175	38RB#18	22.39	19.39	33.00	PASS
Band38	15MHz	QPSK	38175	38RB#37	22.40	19.40	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	22.38	19.38	33.00	PASS



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Band38	15MHz	16QAM	37825	1RB#0	22.49	19.49	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.42	19.42	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.41	19.41	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#0	21.56	18.56	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#18	21.42	18.42	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#37	21.48	18.48	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.55	18.55	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.41	19.41	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.28	19.28	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	22.39	19.39	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#0	21.39	18.39	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#18	21.36	18.36	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#37	21.43	18.43	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.49	18.49	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.35	19.35	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	22.36	19.36	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.52	19.52	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#0	21.44	18.44	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#18	21.29	18.29	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#37	21.42	18.42	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	21.43	18.43	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	21.39	18.39	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	21.33	18.33	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	21.34	18.34	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#0	20.15	17.15	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#18	20.36	17.36	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#37	20.34	17.34	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	20.36	17.36	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	21.16	18.16	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	21.22	18.22	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	21.45	18.45	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#0	20.19	17.19	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#18	20.40	17.40	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#37	20.20	17.20	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	20.15	17.15	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	21.38	18.38	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	21.34	18.34	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	21.14	18.14	33.00	PASS



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Band38	15MHz	64QAM	38175	38RB#0	20.30	17.30	33.00	PASS
Band38	15MHz	64QAM	38175	38RB#18	20.35	17.35	33.00	PASS
Band38	15MHz	64QAM	38175	38RB#37	20.29	17.29	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	20.37	17.37	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	23.36	20.36	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.38	20.38	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	23.44	20.44	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	22.62	19.62	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	22.68	19.68	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#50	22.66	19.66	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	22.68	19.68	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	23.38	20.38	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.46	20.46	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	23.45	20.45	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	22.59	19.59	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#25	22.71	19.71	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	22.63	19.63	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	22.69	19.69	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	23.40	20.40	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.42	20.42	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	23.45	20.45	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	22.64	19.64	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	22.70	19.70	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	22.69	19.69	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	22.62	19.62	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.58	19.58	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.62	19.62	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	22.60	19.60	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	21.72	18.72	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.69	18.69	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	21.66	18.66	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	21.68	18.68	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	22.60	19.60	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	22.53	19.53	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	22.64	19.64	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#0	21.60	18.60	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	21.71	18.71	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	21.67	18.67	33.00	PASS



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Band38	20MHz	16QAM	38000	100RB#0	21.66	18.66	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	22.67	19.67	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	22.63	19.63	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	22.54	19.54	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	21.68	18.68	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	21.70	18.70	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	21.72	18.72	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	21.74	18.74	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	21.21	18.21	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	21.40	18.40	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	21.44	18.44	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#0	20.45	17.45	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#25	20.19	17.19	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#50	20.39	17.39	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	20.24	17.24	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	21.26	18.26	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	21.23	18.23	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	21.21	18.21	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#0	20.14	17.14	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#25	20.28	17.28	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#50	20.29	17.29	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	20.18	17.18	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	21.32	18.32	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#49	21.45	18.45	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	21.43	18.43	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#0	20.27	17.27	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#25	20.14	17.14	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#50	20.27	17.27	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	20.27	17.27	33.00	PASS



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ANT3:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	20.19	19.19	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	20.34	19.34	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	20.36	19.36	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	20.21	19.21	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	20.25	19.25	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	20.29	19.29	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	20.22	19.22	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	20.31	19.31	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	20.34	19.34	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	20.34	19.34	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	20.23	19.23	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	20.25	19.25	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	20.28	19.28	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	20.34	19.34	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	20.26	19.26	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	20.31	19.31	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	20.24	19.24	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	20.19	19.19	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	20.19	19.19	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	20.17	19.17	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	20.17	19.17	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	20.11	19.11	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	20.23	19.23	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	20.11	19.11	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.23	19.23	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.26	19.26	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.31	19.31	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.33	19.33	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	20.20	19.2	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	20.24	19.24	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	20.20	19.2	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.23	19.23	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.25	19.25	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.29	19.29	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.29	19.29	33.00	PASS



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Band38	5MHz	16QAM	38225	1RB#0	20.16	19.16	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	20.15	19.15	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	20.08	19.08	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.14	19.14	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.20	19.2	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.13	19.13	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.22	19.22	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	20.06	19.06	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	20.11	19.11	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	20.10	19.1	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#0	20.07	19.07	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#6	20.09	19.09	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#13	20.02	19.02	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	20.04	19.04	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	19.97	18.97	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	20.07	19.07	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	19.97	18.97	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#0	20.07	19.07	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#6	20.03	19.03	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#13	20.10	19.1	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	19.98	18.98	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	19.97	18.97	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	20.03	19.03	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	20.17	19.17	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#0	20.11	19.11	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#6	19.98	18.98	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#13	20.12	19.12	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	20.15	19.15	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	20.37	19.37	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	20.26	19.26	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	20.40	19.4	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	20.29	19.29	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	20.29	19.29	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#25	20.36	19.36	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	20.30	19.3	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	20.44	19.44	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	20.29	19.29	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	20.29	19.29	33.00	PASS



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Band38	10MHz	QPSK	38000	25RB#0	20.38	19.38	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	20.29	19.29	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	20.26	19.26	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	20.31	19.31	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	20.23	19.23	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	20.17	19.17	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	20.26	19.26	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	20.19	19.19	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	20.22	19.22	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	20.25	19.25	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	20.13	19.13	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	19.99	18.99	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	20.14	19.14	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	20.21	19.21	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.19	19.19	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.22	19.22	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.36	19.36	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.33	19.33	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	20.20	19.2	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	20.26	19.26	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	20.24	19.24	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.23	19.23	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.40	19.4	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.37	19.37	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.40	19.4	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	19.90	18.9	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	19.99	18.99	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	20.23	19.23	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.16	19.16	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.29	19.29	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.31	19.31	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.20	19.2	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	20.06	19.06	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	20.12	19.12	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#49	20.11	19.11	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#0	20.08	19.08	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#12	20.07	19.07	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#25	20.04	19.04	33.00	PASS



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Band38	10MHz	64QAM	37800	50RB#0	20.09	19.09	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	20.11	19.11	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	20.07	19.07	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	20.06	19.06	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#0	20.17	19.17	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#12	20.08	19.08	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#25	19.97	18.97	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	19.96	18.96	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	20.12	19.12	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	20.07	19.07	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	20.02	19.02	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#0	19.97	18.97	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#12	20.08	19.08	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#25	20.04	19.04	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	19.97	18.97	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	20.55	19.55	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	20.40	19.4	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	20.54	19.54	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#0	20.51	19.51	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#18	20.48	19.48	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#37	20.58	19.58	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	20.59	19.59	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	20.53	19.53	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	20.64	19.64	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	20.48	19.48	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#0	20.56	19.56	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#18	20.55	19.55	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#37	20.52	19.52	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	20.49	19.49	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	20.47	19.47	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	20.47	19.47	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	20.47	19.47	33.00	PASS
Band38	15MHz	QPSK	38175	38RB#0	20.41	19.41	33.00	PASS
Band38	15MHz	QPSK	38175	38RB#18	20.34	19.34	33.00	PASS
Band38	15MHz	QPSK	38175	38RB#37	20.43	19.43	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	20.39	19.39	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	20.28	19.28	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	20.31	19.31	33.00	PASS



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Band38	15MHz	16QAM	37825	1RB#74	20.30	19.3	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#0	20.45	19.45	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#18	20.55	19.55	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#37	20.44	19.44	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.57	19.57	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	20.36	19.36	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	20.31	19.31	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	20.34	19.34	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#0	20.34	19.34	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#18	20.48	19.48	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#37	20.54	19.54	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.51	19.51	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	20.32	19.32	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	20.20	19.2	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	20.26	19.26	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#0	20.34	19.34	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#18	20.30	19.3	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#37	20.42	19.42	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.36	19.36	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	20.01	19.01	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	20.12	19.12	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	20.08	19.08	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#0	20.12	19.12	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#18	20.02	19.02	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#37	20.05	19.05	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	19.97	18.97	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	20.11	19.11	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	20.15	19.15	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	20.08	19.08	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#0	20.15	19.15	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#18	19.96	18.96	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#37	20.16	19.16	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	19.97	18.97	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	20.06	19.06	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	20.08	19.08	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	20.15	19.15	33.00	PASS
Band38	15MHz	64QAM	38175	38RB#0	20.11	19.11	33.00	PASS
Band38	15MHz	64QAM	38175	38RB#18	19.99	18.99	33.00	PASS



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Band38	15MHz	64QAM	38175	38RB#37	19.97	18.97	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	20.09	19.09	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	20.68	19.68	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	20.60	19.6	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	20.69	19.69	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	20.57	19.57	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	20.61	19.61	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#50	20.56	19.56	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	20.65	19.65	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	20.71	19.71	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	20.68	19.68	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	20.53	19.53	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	20.57	19.57	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#25	20.61	19.61	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	20.55	19.55	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	20.55	19.55	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	20.67	19.67	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	20.56	19.56	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	20.52	19.52	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	20.56	19.56	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	20.56	19.56	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	20.57	19.57	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	20.63	19.63	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	20.47	19.47	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	20.40	19.4	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	20.53	19.53	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.63	19.63	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	20.45	19.45	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.67	19.67	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.70	19.7	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	20.45	19.45	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	20.50	19.5	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	20.41	19.41	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.62	19.62	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.32	19.32	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.60	19.6	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.59	19.59	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	20.44	19.44	33.00	PASS



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Band38	20MHz	16QAM	38150	1RB#49	20.43	19.43	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	20.43	19.43	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.62	19.62	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.60	19.6	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.65	19.65	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.55	19.55	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	20.02	19.02	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	20.07	19.07	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	20.02	19.02	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#0	20.00	19	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#25	20.09	19.09	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#50	20.17	19.17	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	20.11	19.11	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	19.96	18.96	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	20.04	19.04	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	19.98	18.98	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#0	19.97	18.97	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#25	20.01	19.01	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#50	19.96	18.96	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	20.09	19.09	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	20.00	19	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#49	20.15	19.15	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	20.13	19.13	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#0	20.07	19.07	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#25	20.00	19	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#50	20.16	19.16	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	20.16	19.16	33.00	PASS

Remark:

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

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

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



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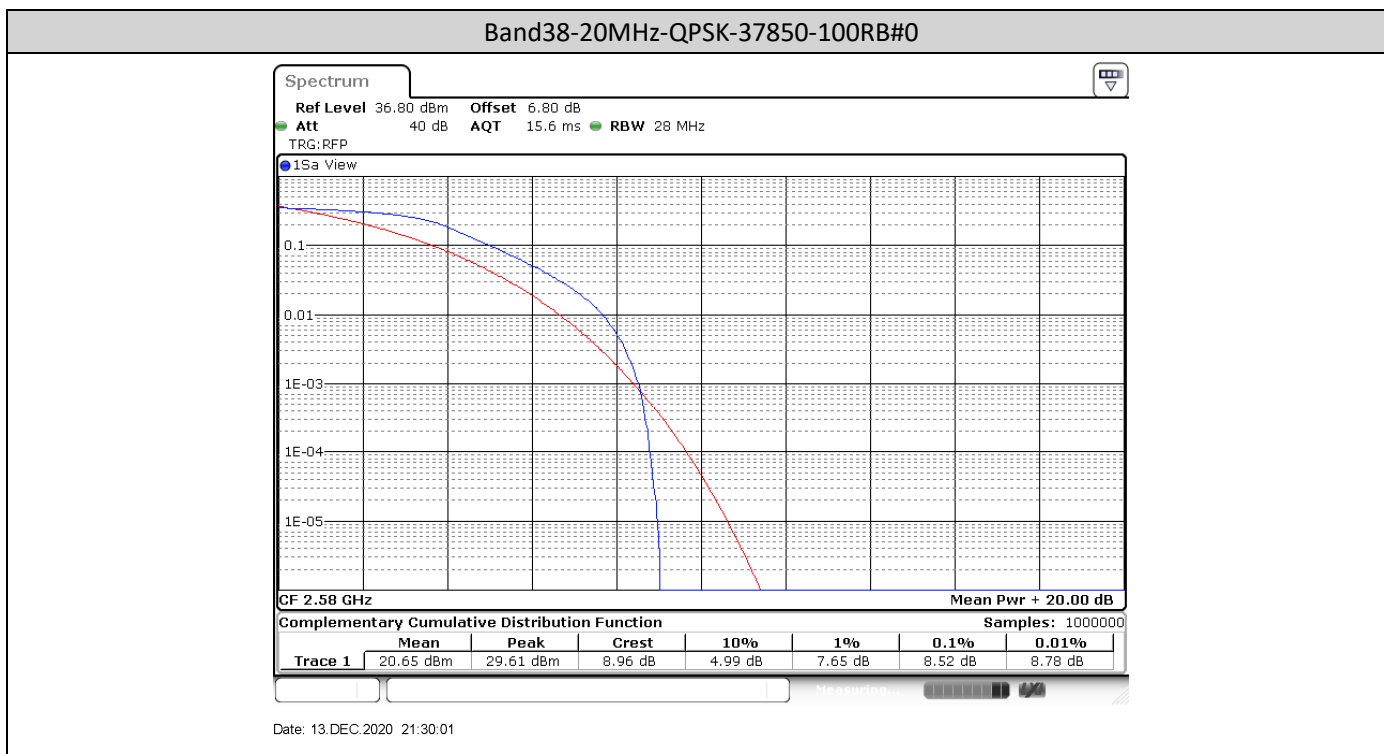


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

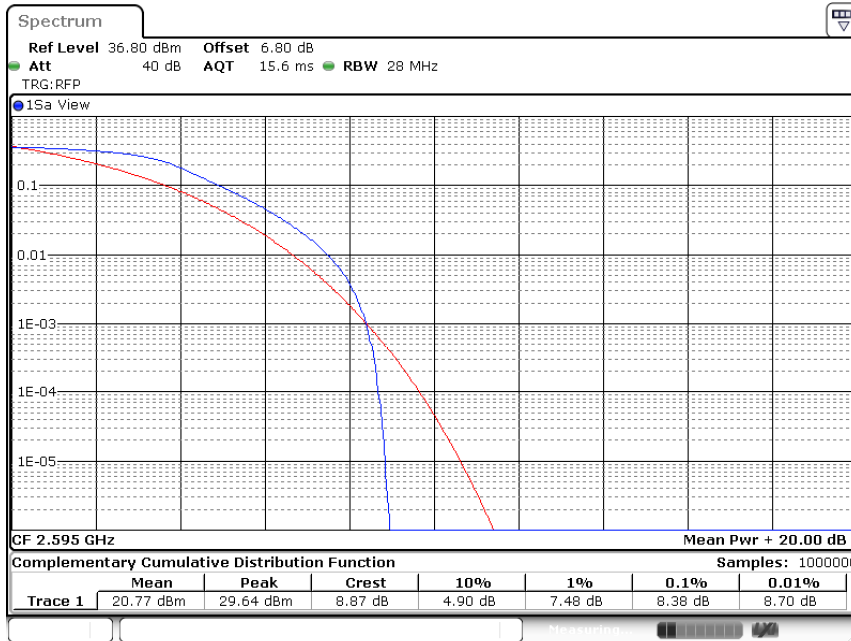
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	8.52	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	8.38	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	8.41	13	PASS
Band38	20MHz	64QAM	37850	100RB#0	6.43	13	PASS
Band38	20MHz	64QAM	38000	100RB#0	9.25	13	PASS
Band38	20MHz	64QAM	38150	100RB#0	9.28	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.42	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.28	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.28	13	PASS

2.2. Test Plots



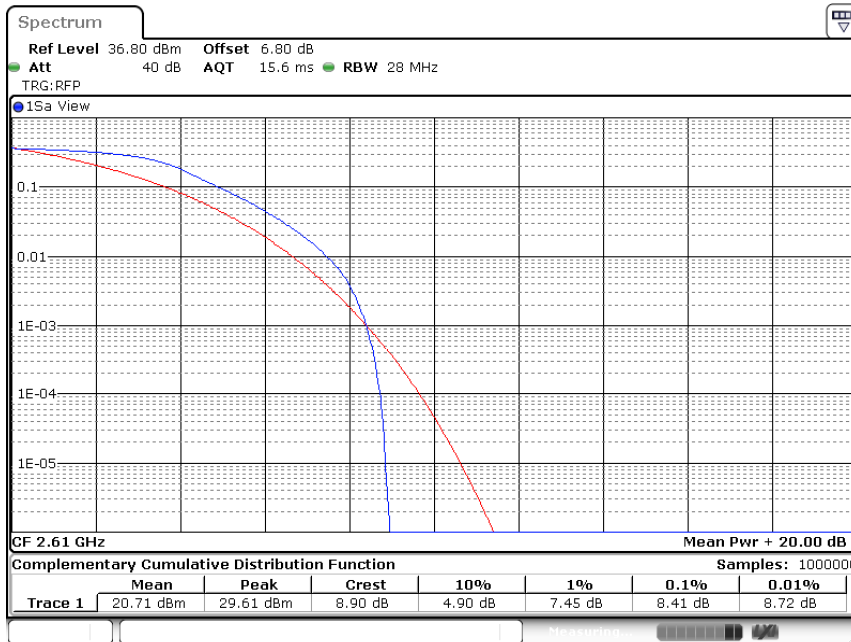
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Band38-20MHz-QPSK-38000-100RB#0



Date: 13.DEC.2020 21:30:23

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



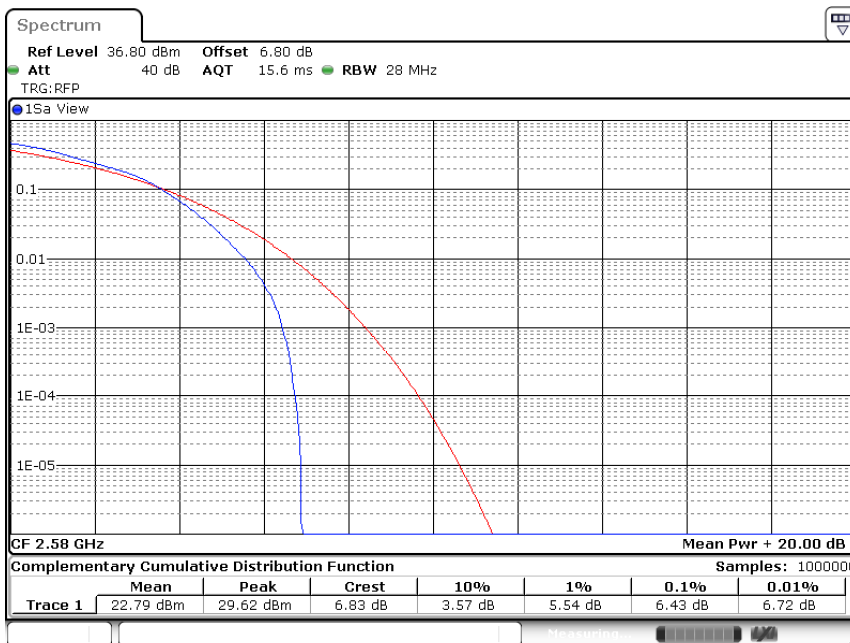
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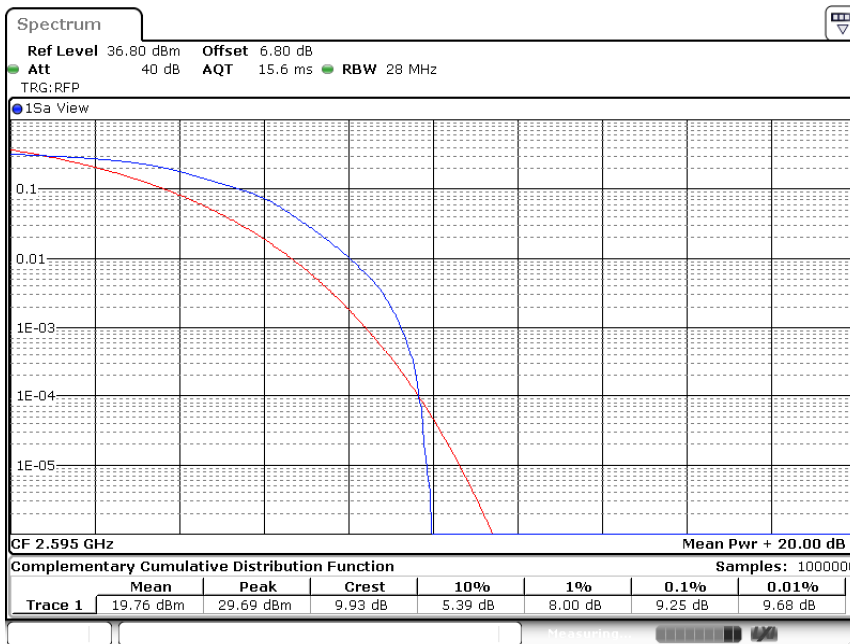
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Band38-20MHz-64QAM-37850-100RB#0



Date: 13.DEC.2020 21:49:47

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



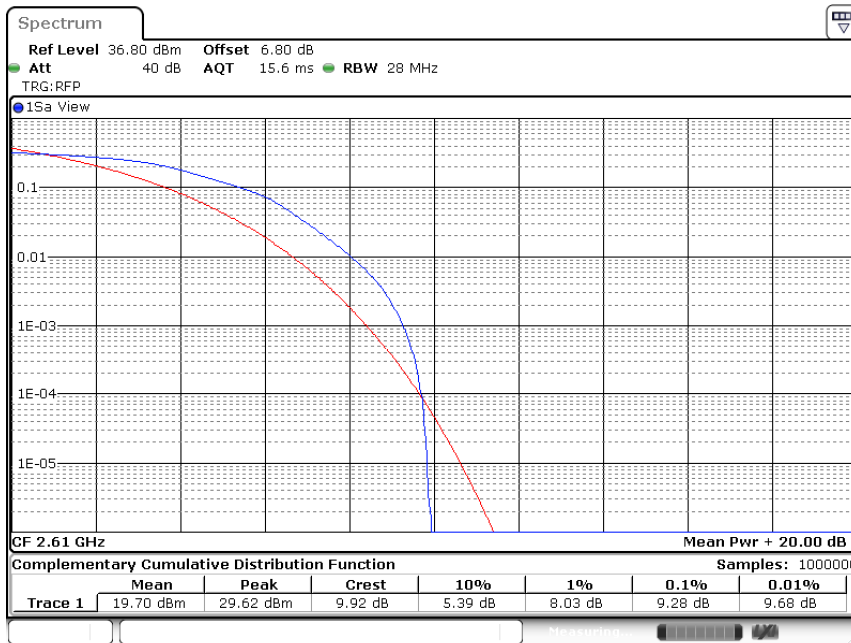
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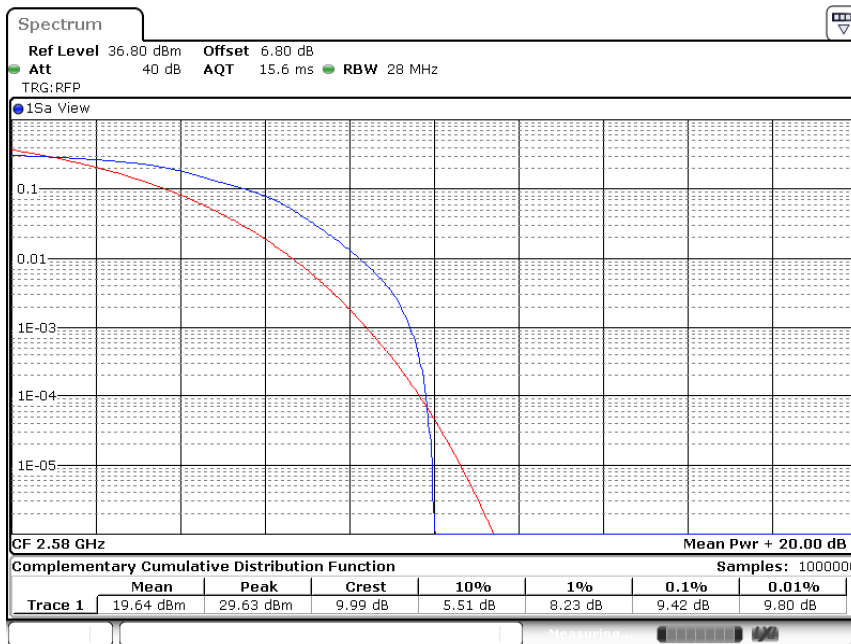
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Band38-20MHz-64QAM-38150-100RB#0



Date: 13.DEC.2020 21:50:10

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



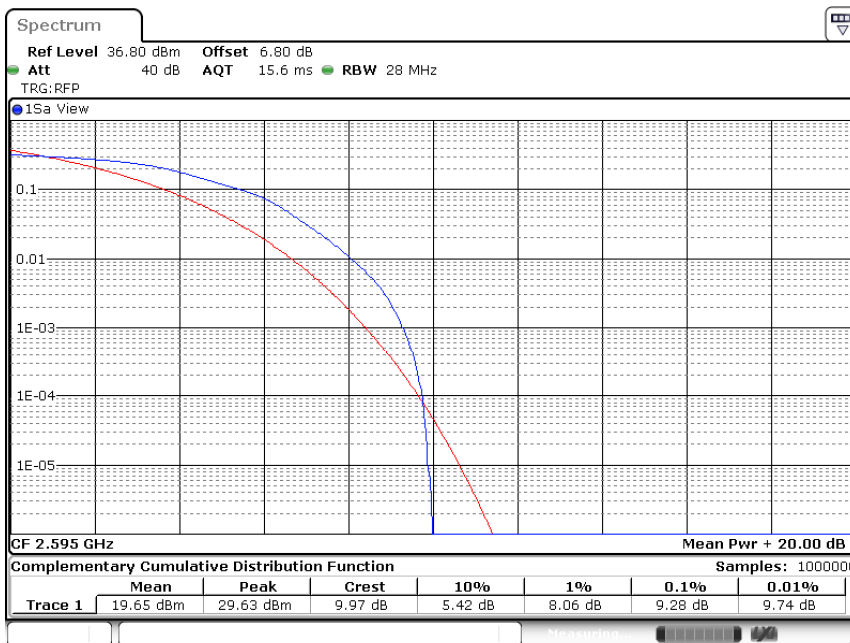
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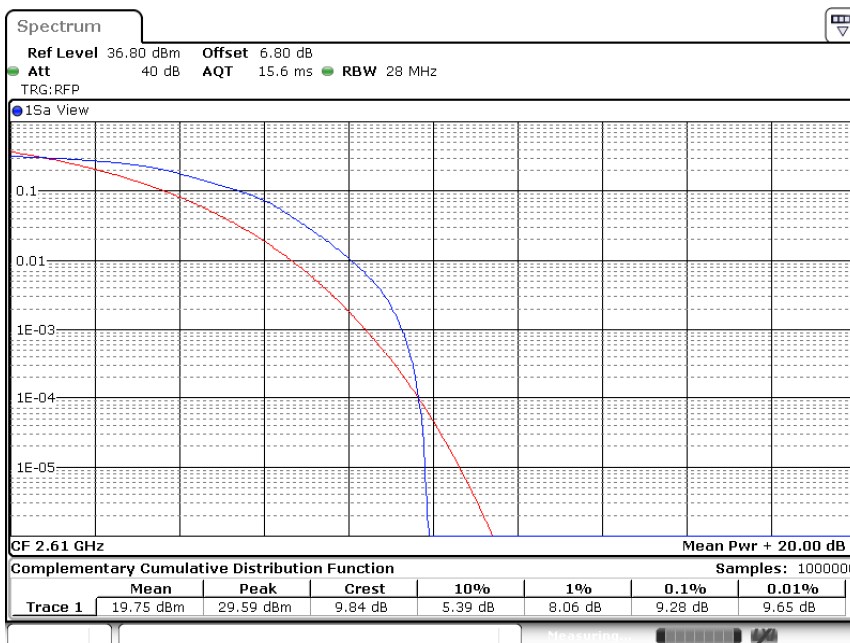
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Band38-20MHz-16QAM-38000-100RB#0



Date: 13.DEC.2020 21:30:35

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



Date: 13.DEC.2020 21:30:57

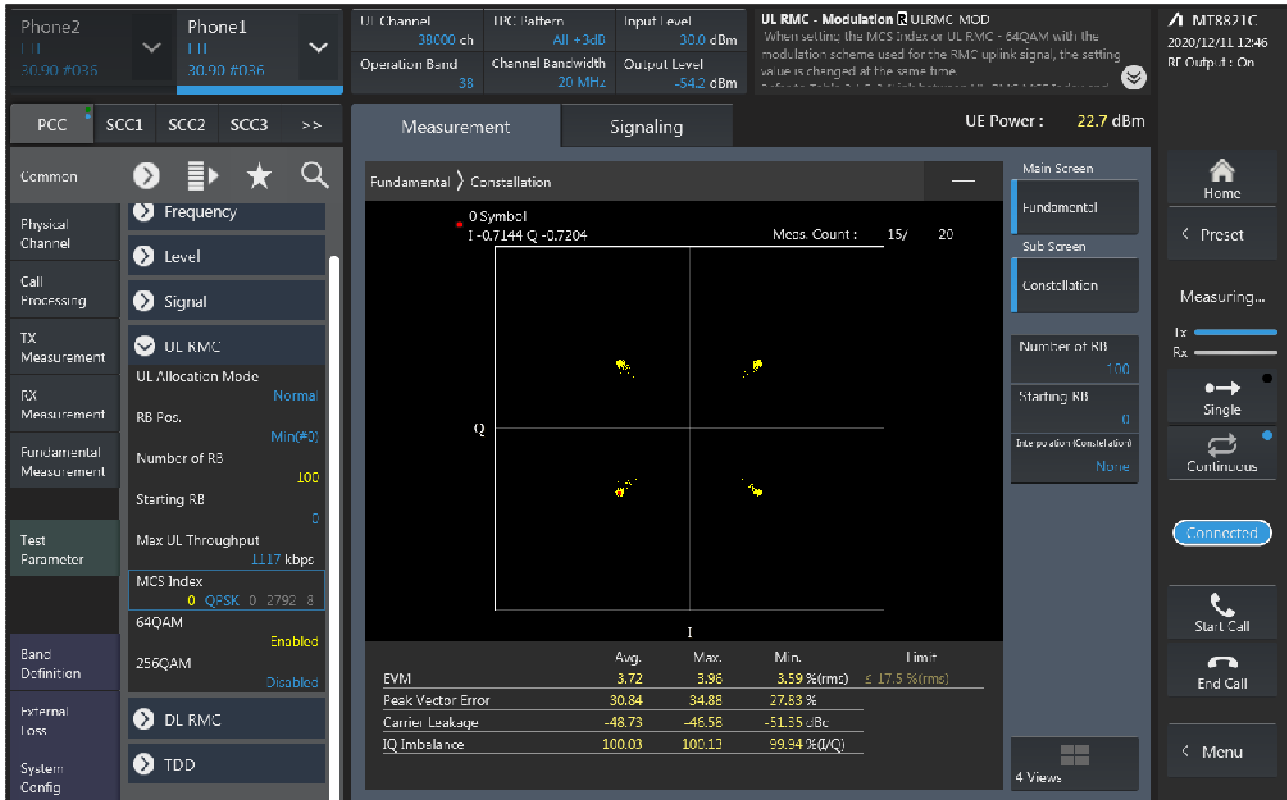


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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH

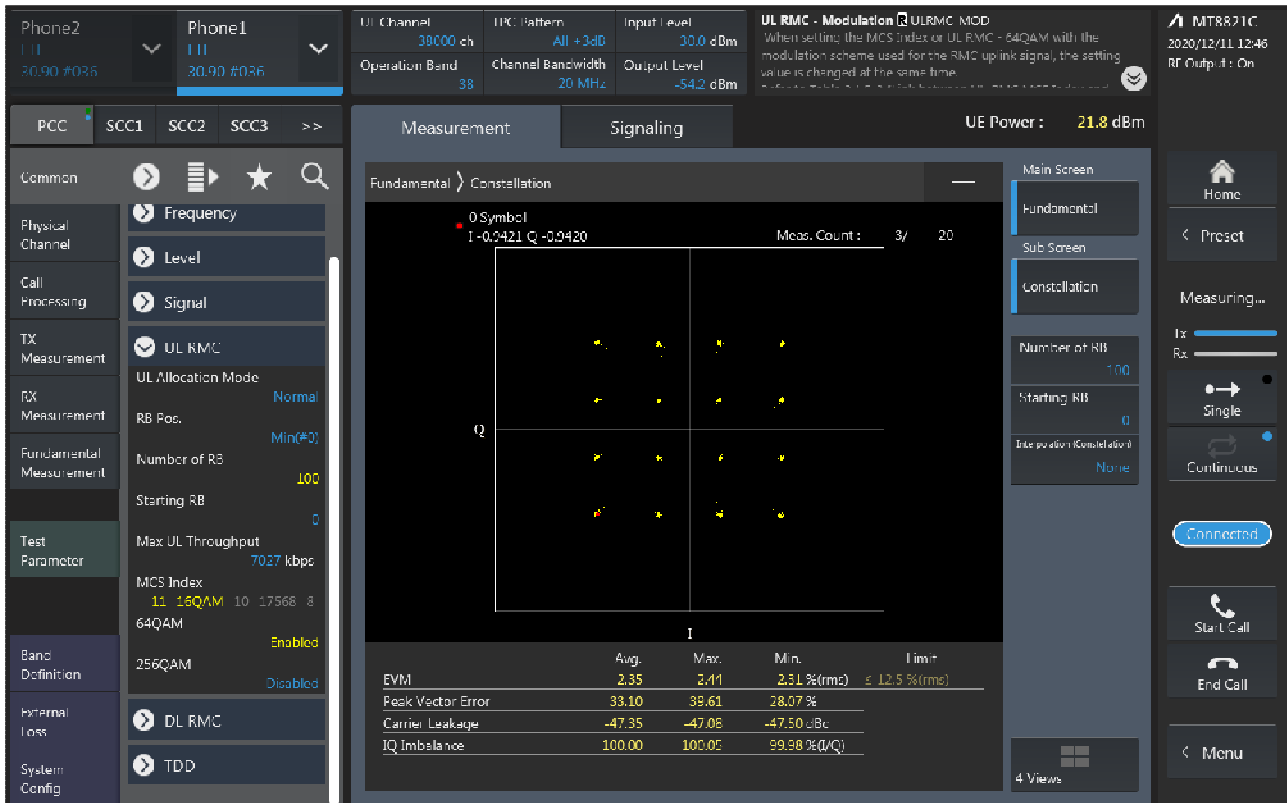


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3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH

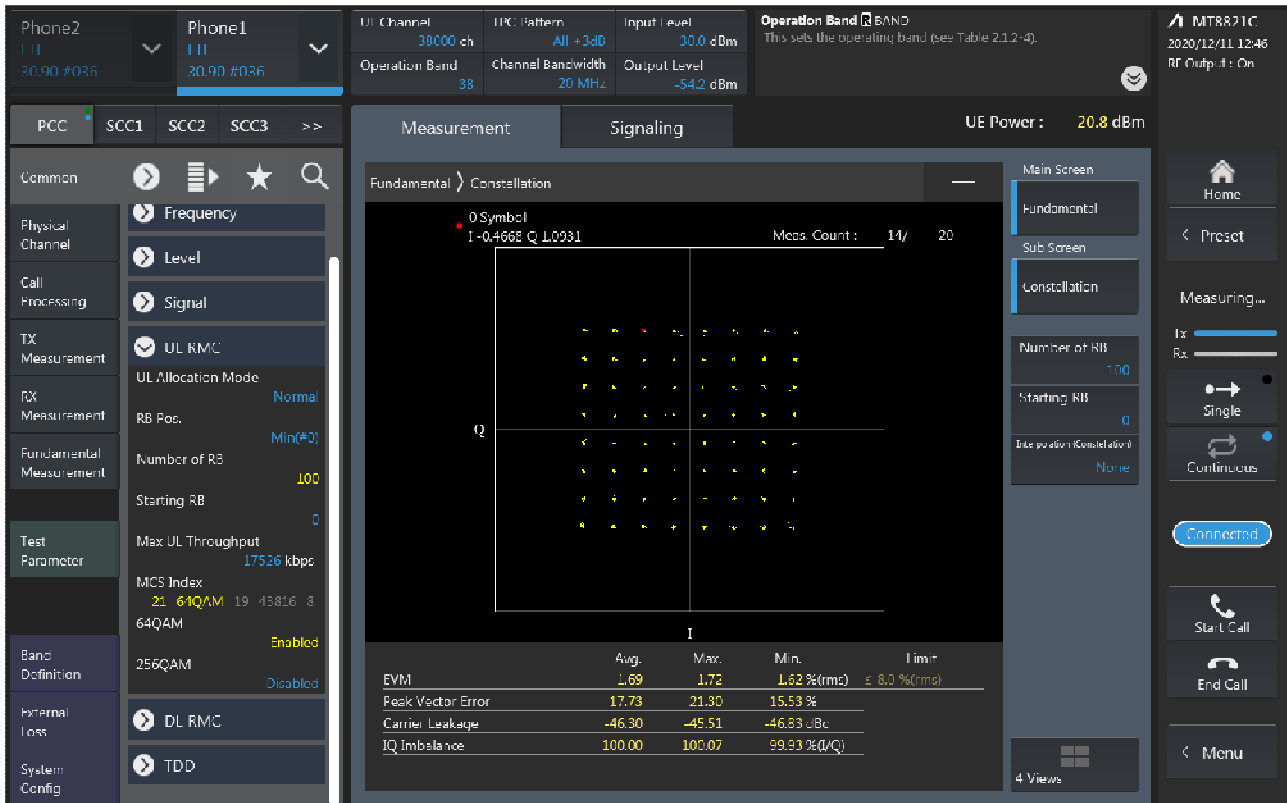


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3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH



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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.466	4.880	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.466	4.880	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.466	4.880	PASS
Band38	5MHz	64QAM	37775	25RB#0	4.466	4.860	PASS
Band38	5MHz	64QAM	38000	25RB#0	4.466	4.860	PASS
Band38	5MHz	64QAM	38225	25RB#0	4.466	4.860	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.496	4.920	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.496	4.920	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.486	4.900	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.911	9.660	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.911	9.640	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.911	9.640	PASS
Band38	10MHz	64QAM	37800	50RB#0	8.911	9.640	PASS
Band38	10MHz	64QAM	38000	50RB#0	8.911	9.680	PASS
Band38	10MHz	64QAM	38200	50RB#0	8.931	9.600	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.911	9.580	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.911	9.560	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.911	9.620	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.457	14.790	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.487	14.820	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.487	14.820	PASS
Band38	15MHz	64QAM	37825	75RB#0	13.427	14.700	PASS
Band38	15MHz	64QAM	38000	75RB#0	13.427	14.700	PASS
Band38	15MHz	64QAM	38175	75RB#0	13.427	14.700	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.427	14.730	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.427	14.700	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.427	14.730	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.902	19.440	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.862	19.400	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.902	19.440	PASS
Band38	20MHz	64QAM	37850	100RB#0	17.862	19.440	PASS



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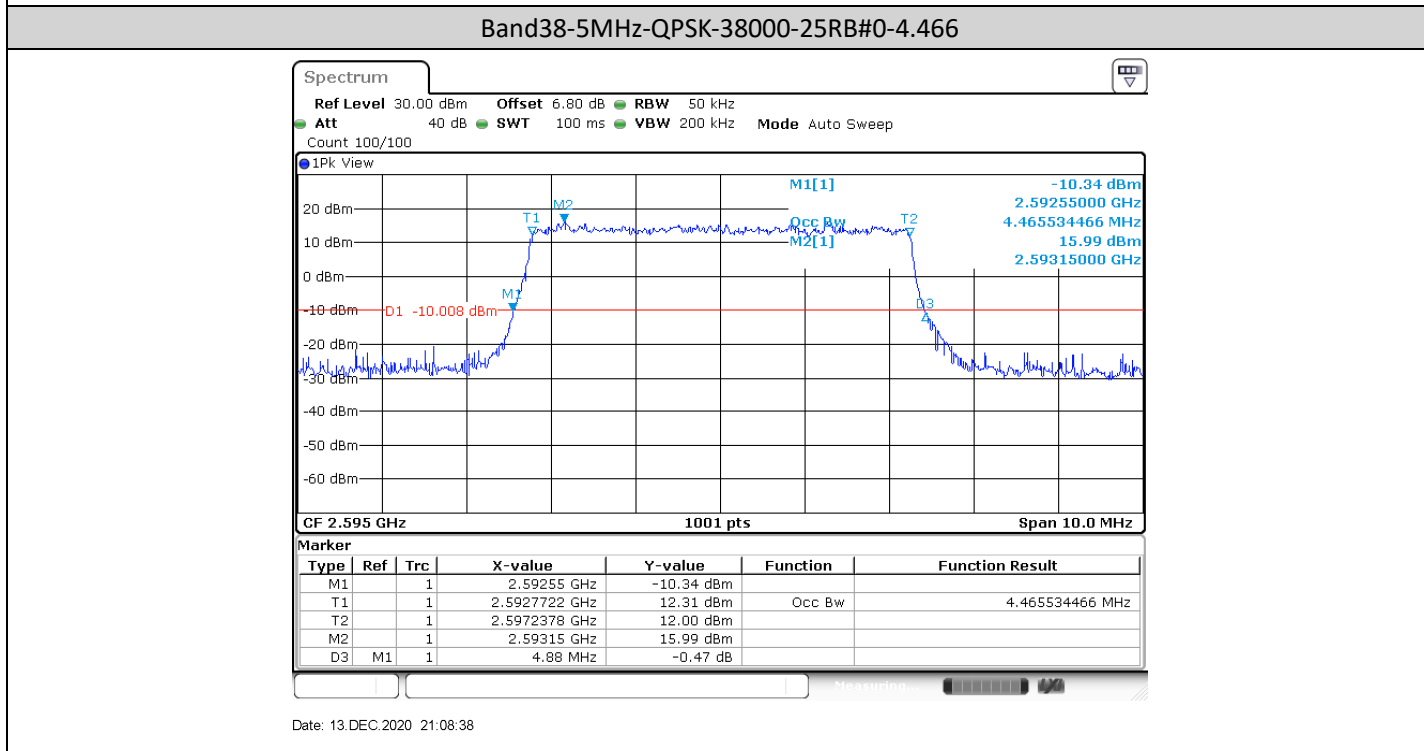
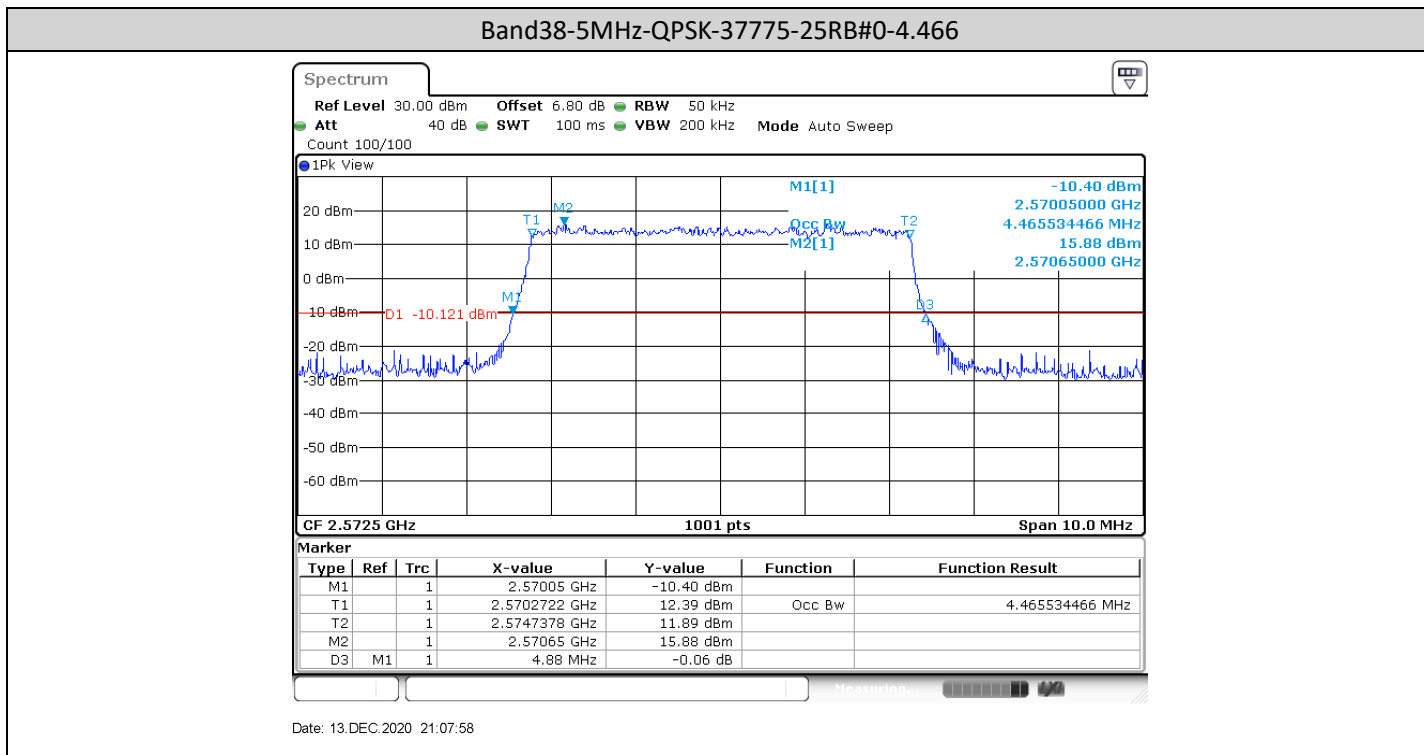
Band38	20MHz	64QAM	38000	100RB#0	17.862	19.400	PASS
Band38	20MHz	64QAM	38150	100RB#0	17.862	19.360	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.862	19.360	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.862	19.320	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.862	19.320	PASS



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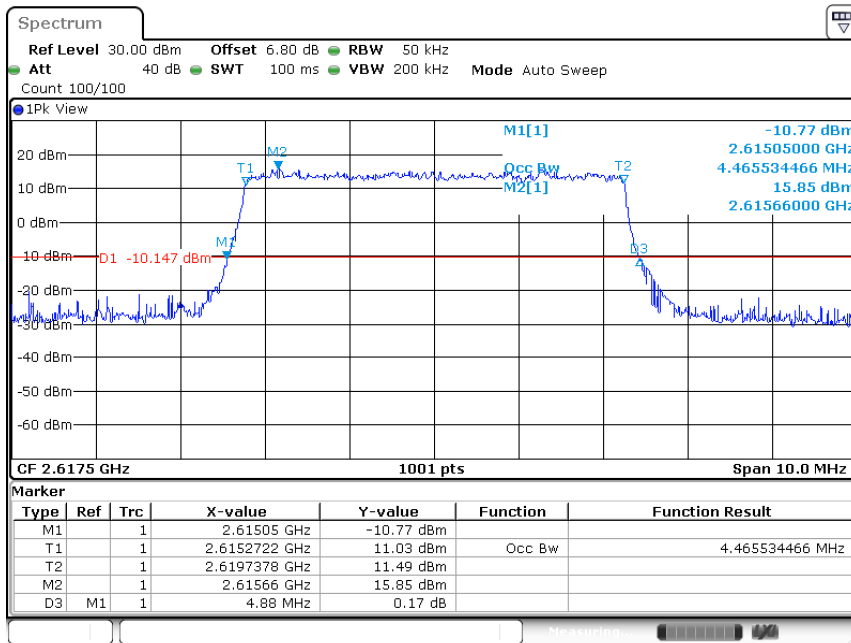
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4.2. Test Plots



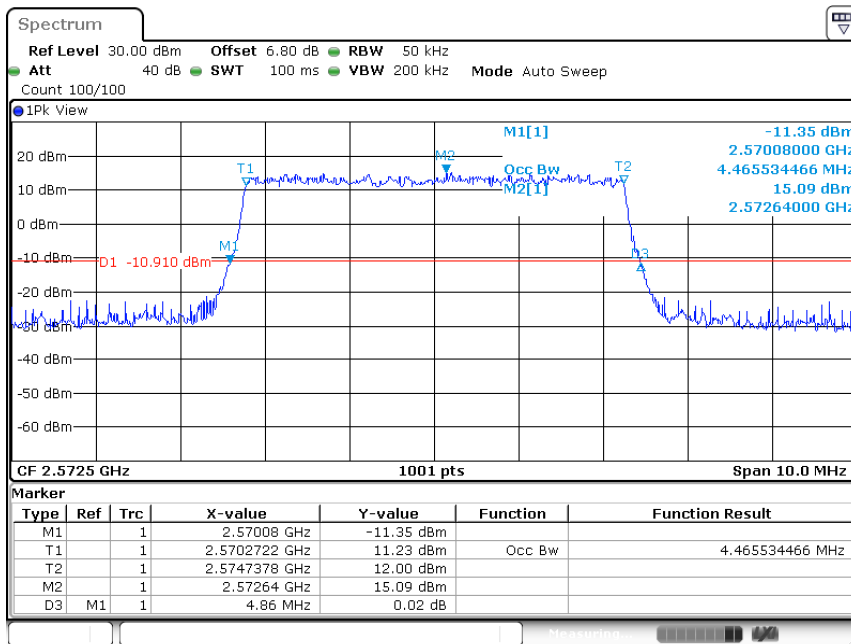
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Band38-5MHz-QPSK-38225-25RB#0-4.466



Date: 13.DEC.2020 21:09:17

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

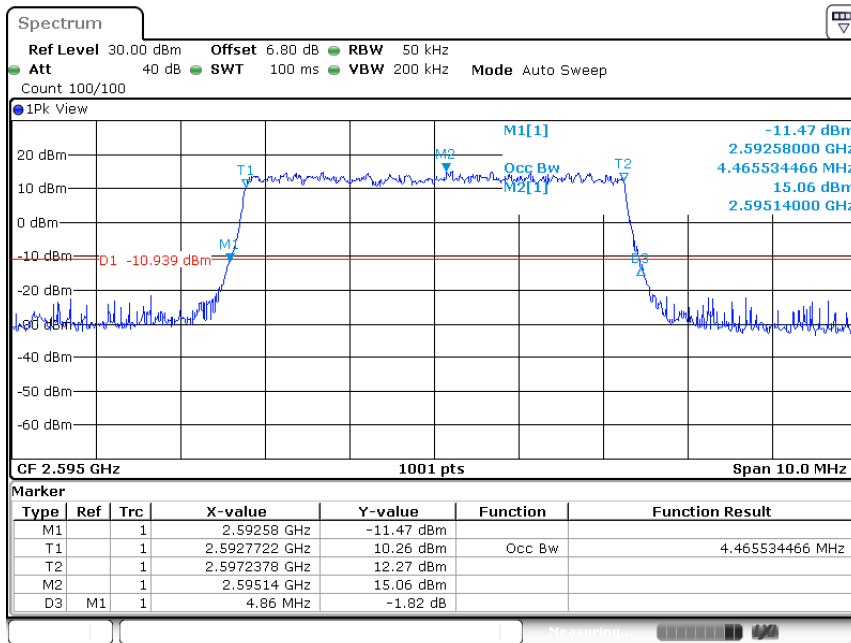


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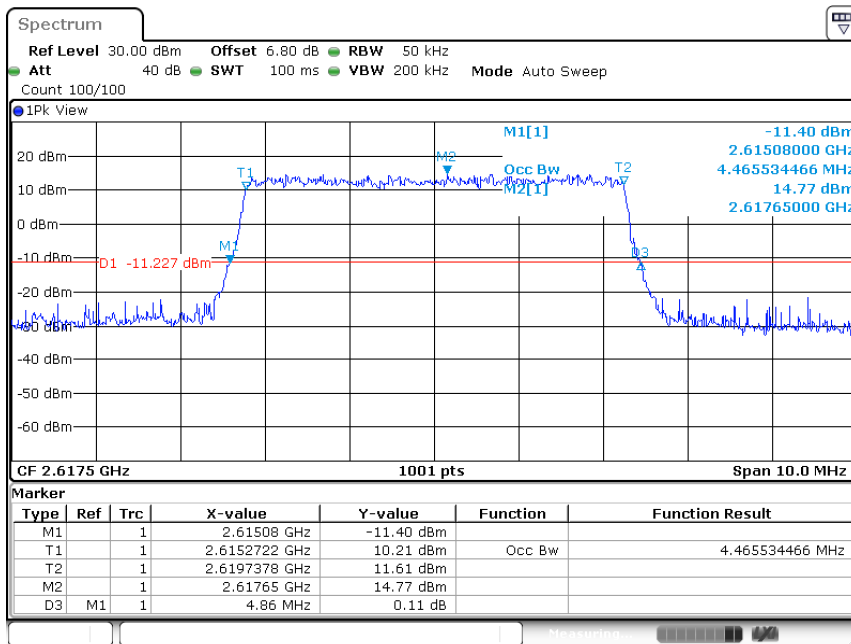


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Band38-5MHz-64QAM-38000-25RB#0-4.466



Band38-5MHz-64QAM-38225-25RB#0-4.466

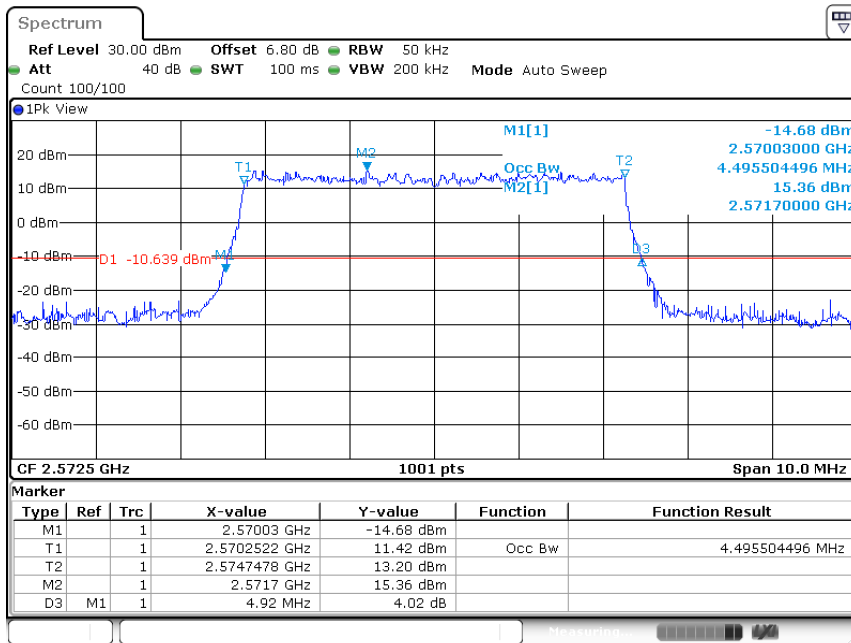


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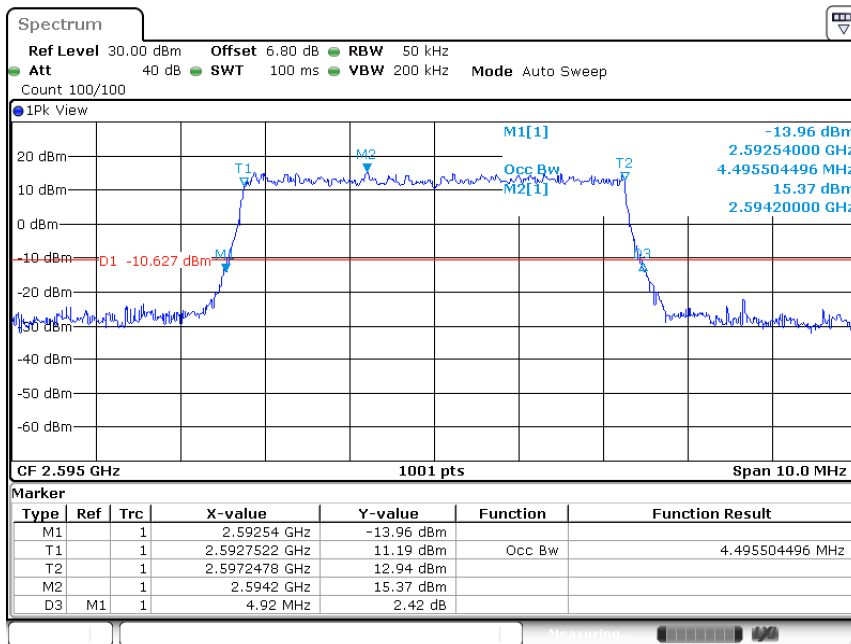
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Band38-5MHz-16QAM-37775-25RB#0-4.496

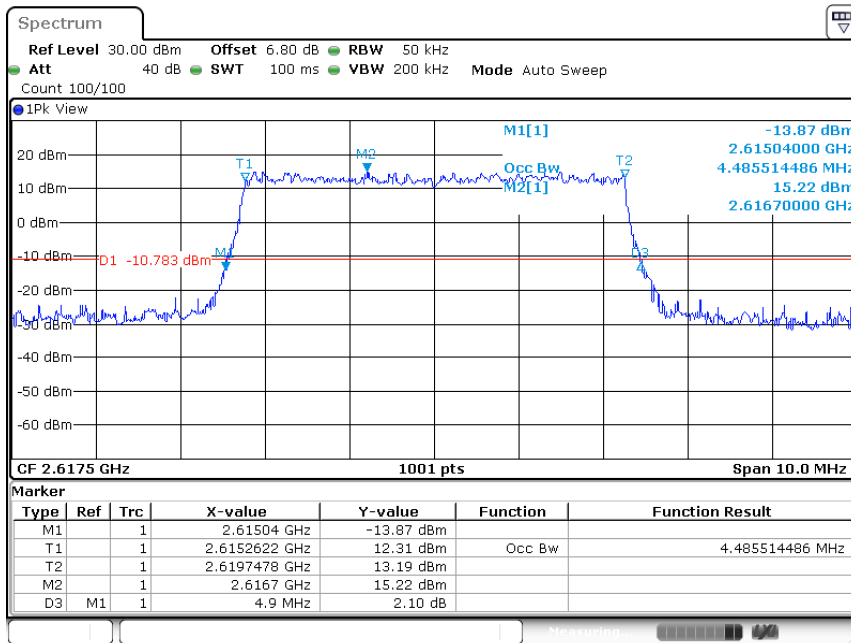


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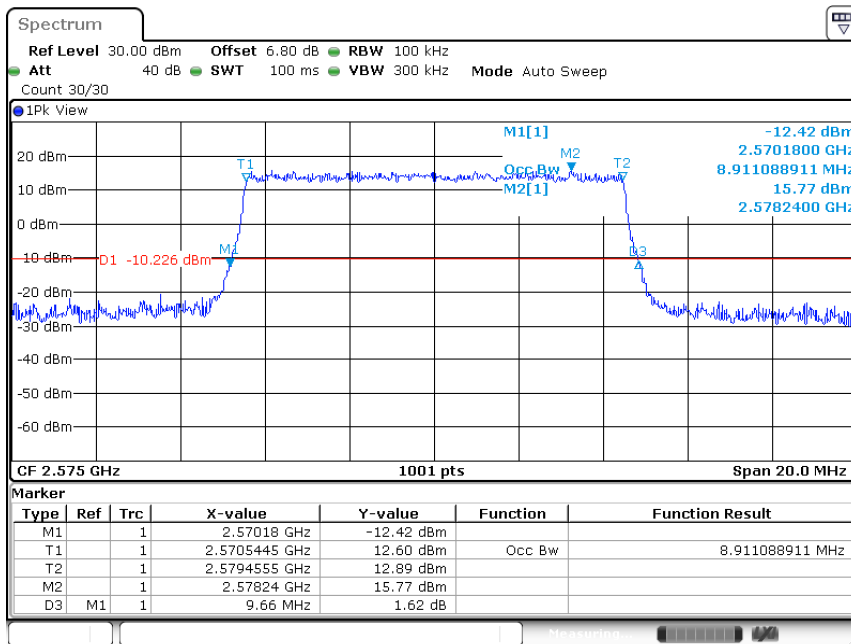


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Band38-5MHz-16QAM-38225-25RB#0-4.486

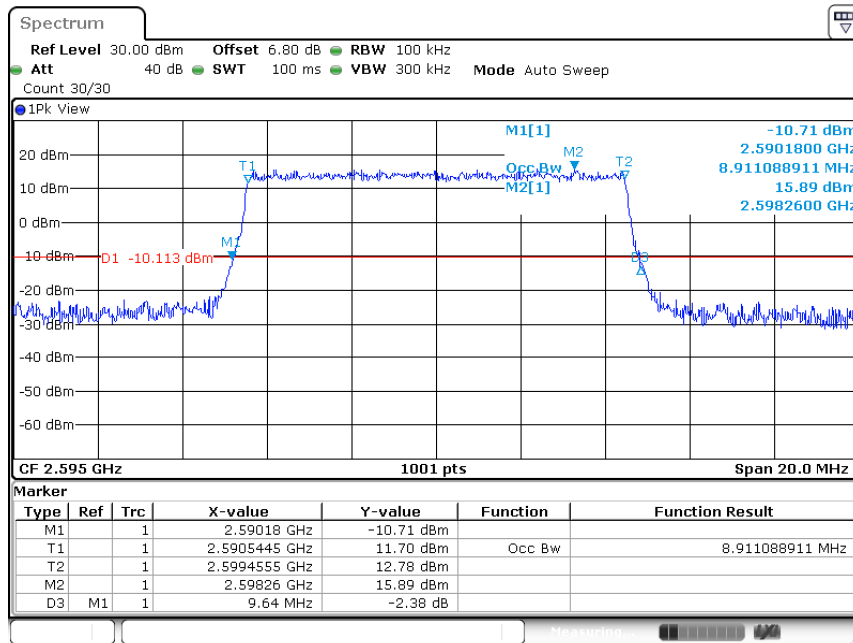


Band38-10MHz-QPSK-37800-50RB#0-8.911



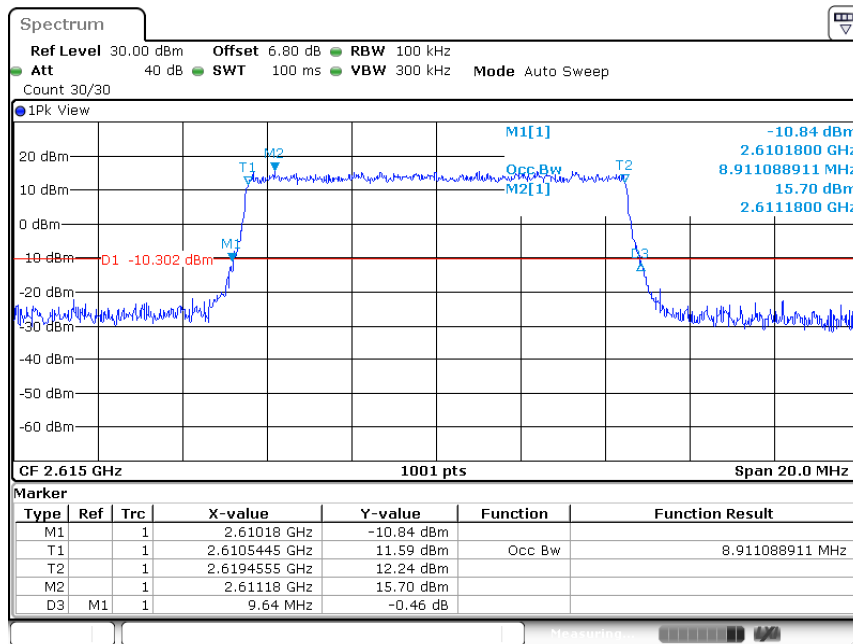
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Band38-10MHz-QPSK-38000-50RB#0-8.911



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

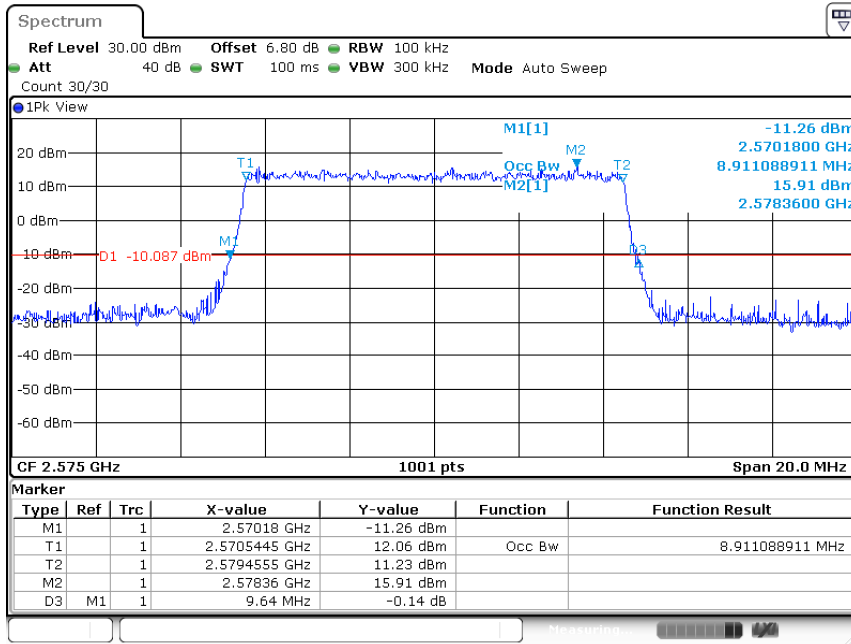


Date: 13.DEC.2020 21:10:46



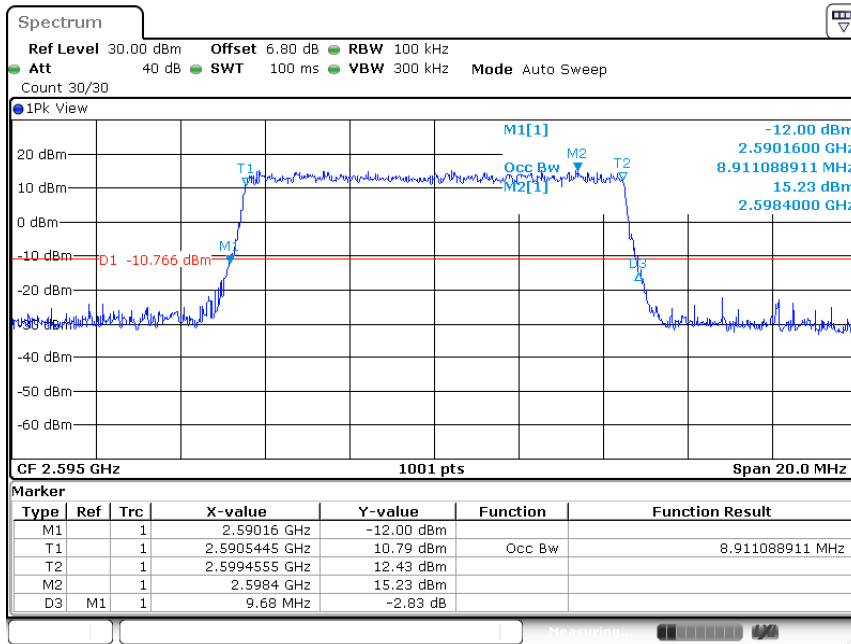
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Band38-10MHz-64QAM-37800-50RB#0-8.911



Date: 13.DEC.2020 21:39:02

Band38-10MHz-64QAM-38000-50RB#0-8.911



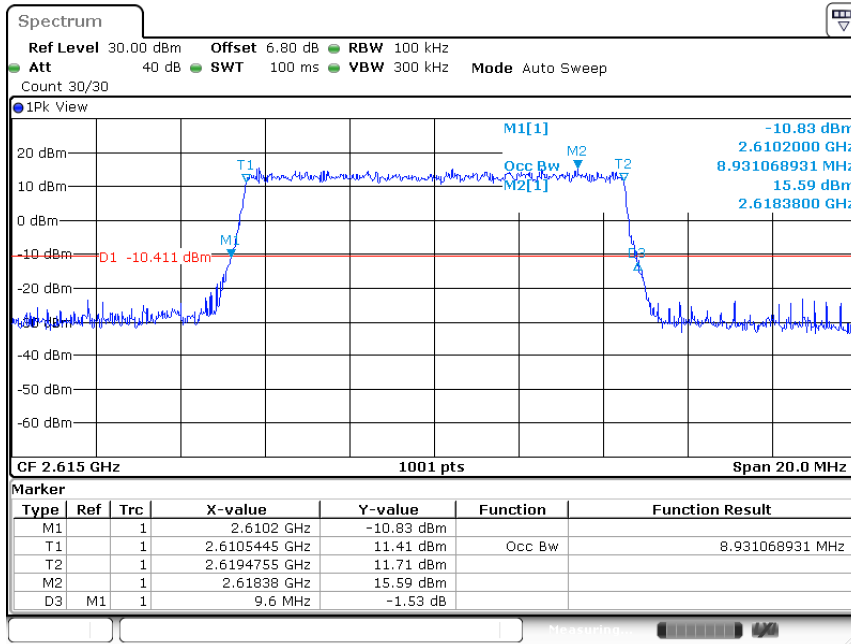
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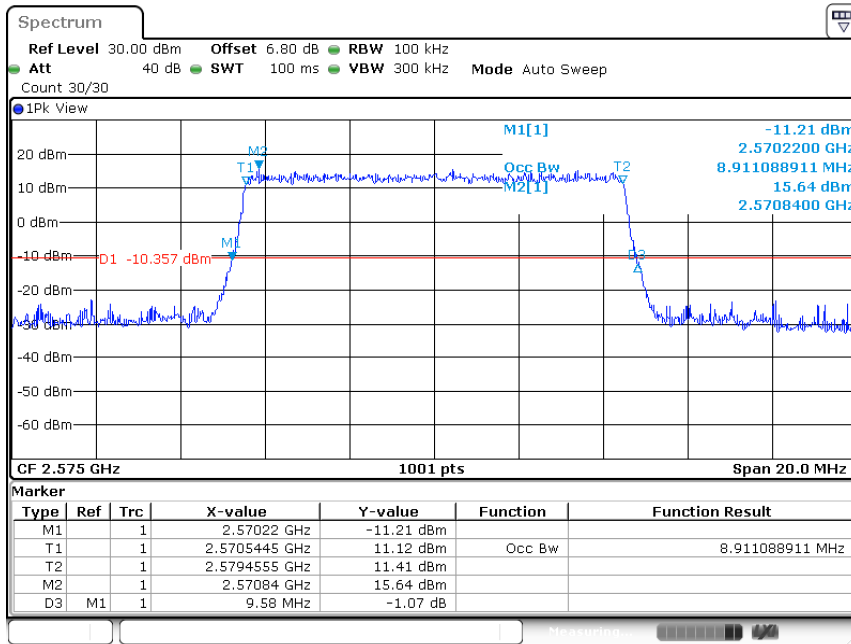
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Band38-10MHz-64QAM-38200-50RB#0-8.931



Date: 13.DEC.2020 21:39:28

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

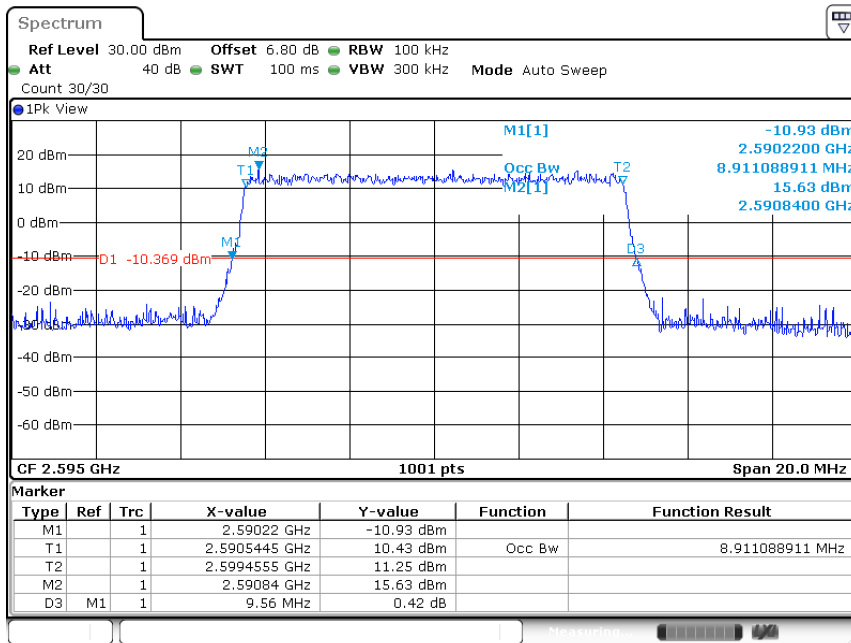


Date: 13.DEC.2020 21:10:07



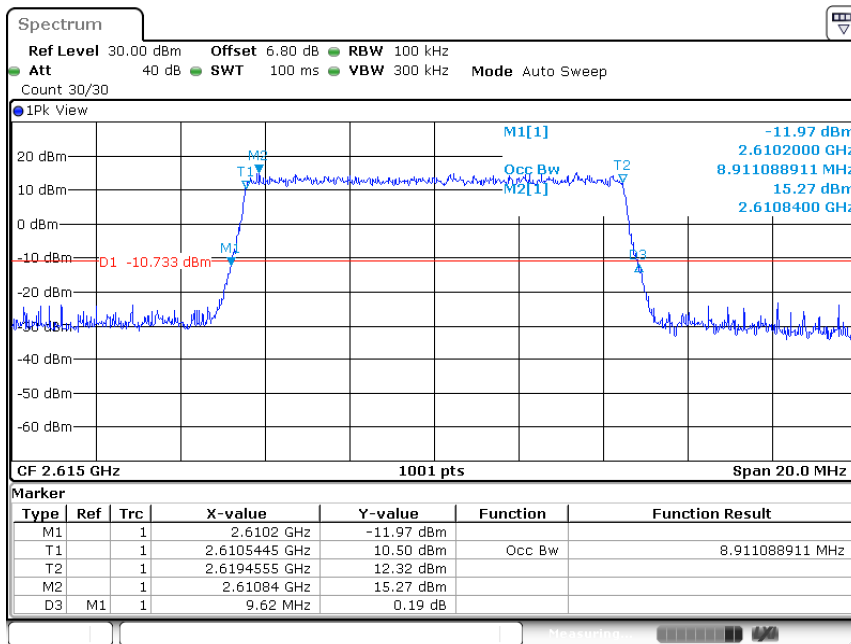
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Band38-10MHz-16QAM-38000-50RB#0-8.911



Date: 13.DEC.2020 21:10:33

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

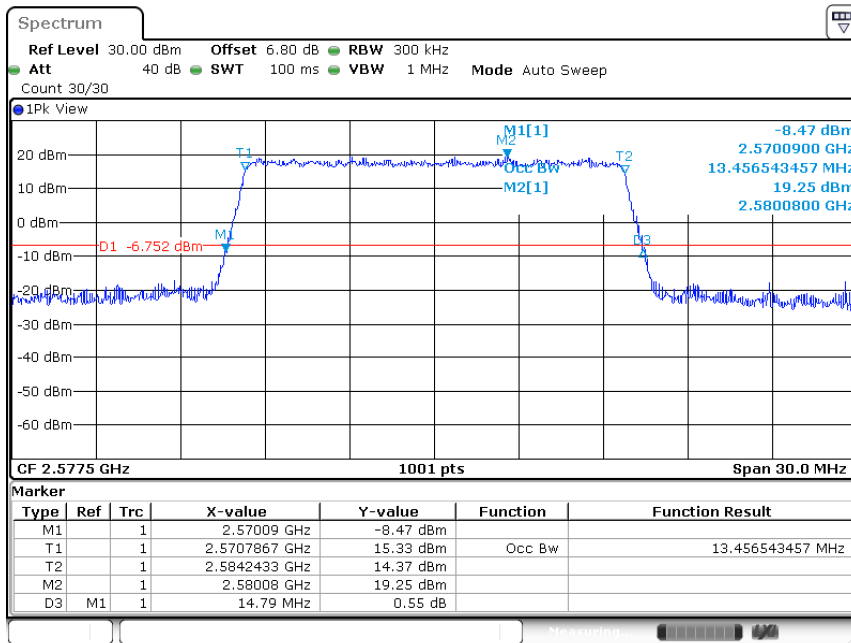


Date: 13.DEC.2020 21:10:58



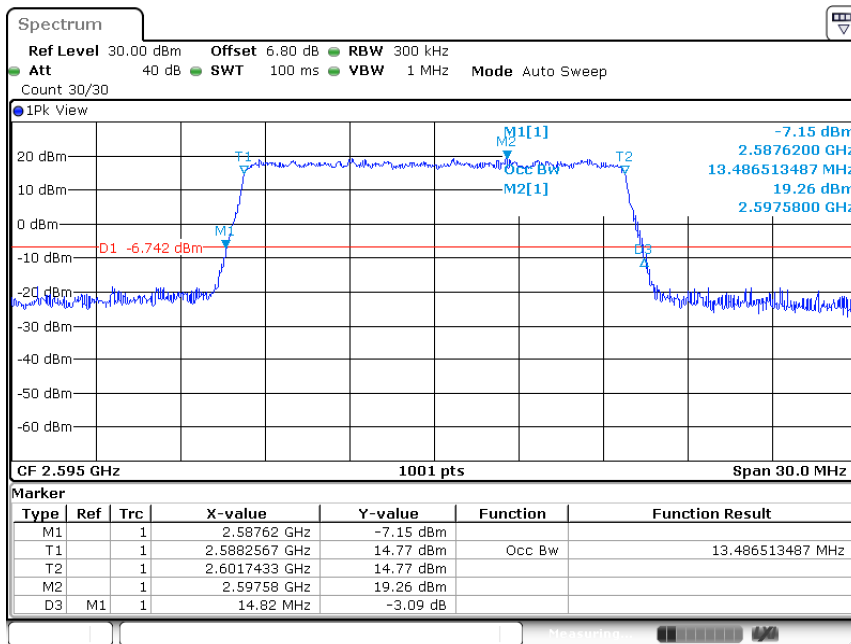
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Band38-15MHz-QPSK-37825-75RB#0-13.457



Date: 13.DEC.2020 21:11:16

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

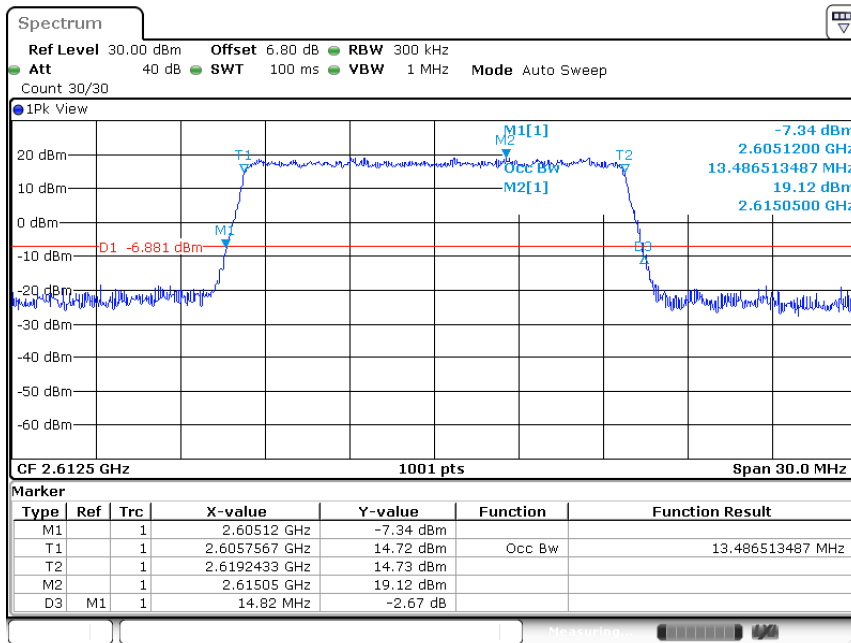


Date: 13.DEC.2020 21:11:41



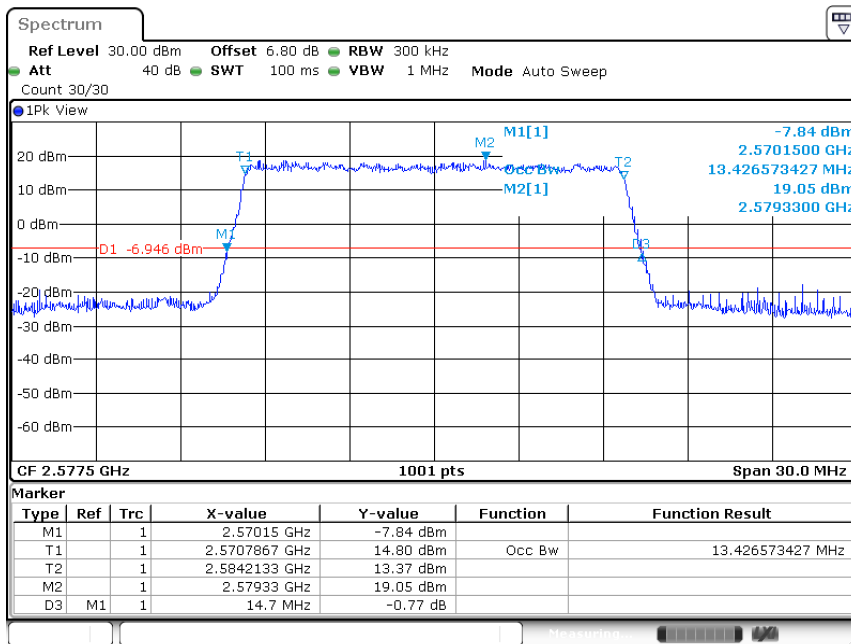
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Band38-15MHz-QPSK-38175-75RB#0-13.487



Date: 13.DEC.2020 21:12:07

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

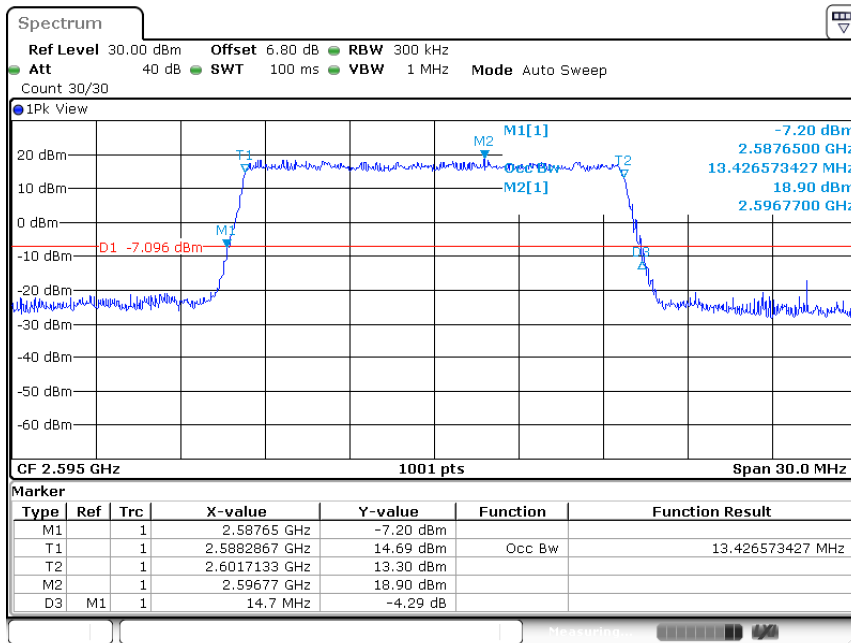


Date: 13.DEC.2020 21:39:46



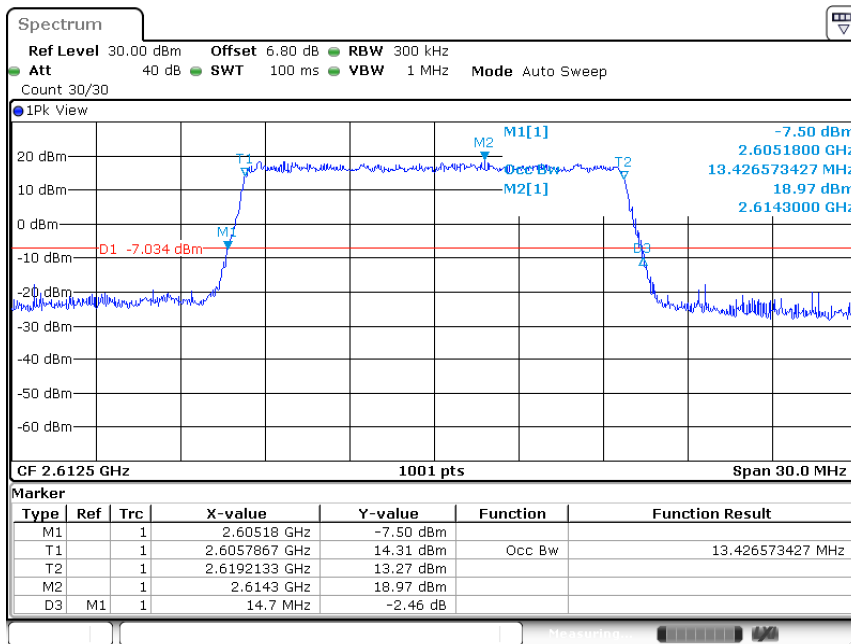
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Band38-15MHz-64QAM-38000-75RB#0-13.427



Date: 13.DEC.2020 21:39:59

Band38-15MHz-64QAM-38175-75RB#0-13.427

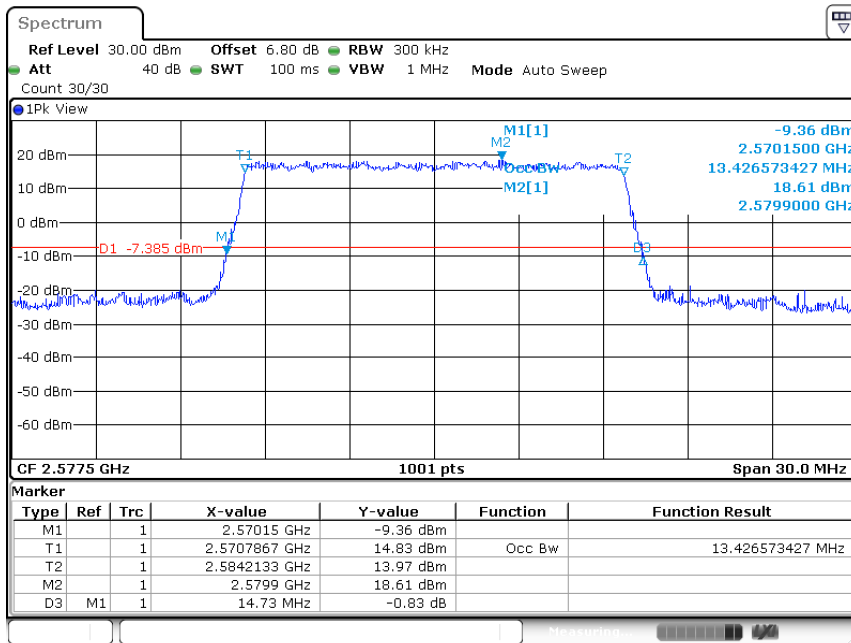


Date: 13.DEC.2020 21:40:11



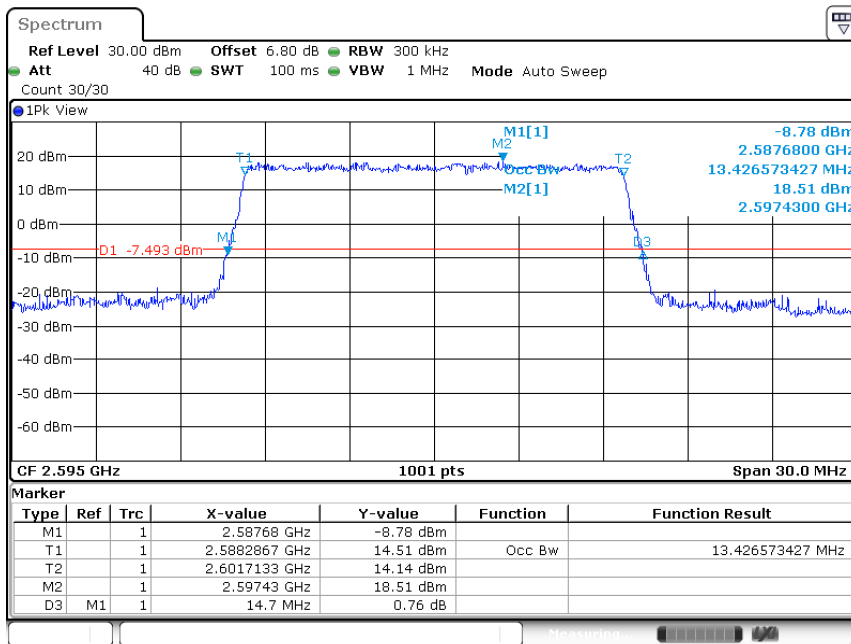
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Band38-15MHz-16QAM-37825-75RB#0-13.427



Date: 13.DEC.2020 21:11:28

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



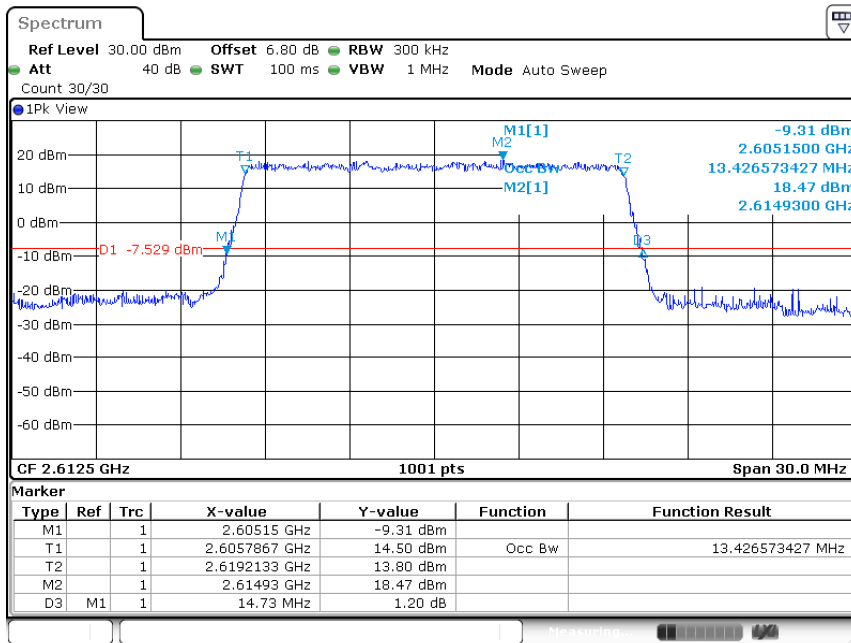
Date: 13.DEC.2020 21:11:54



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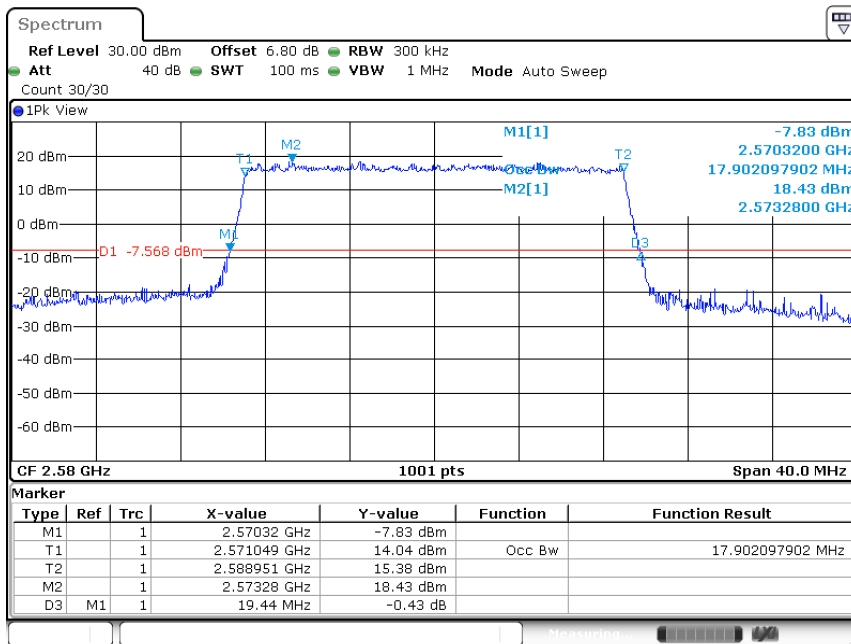
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Band38-15MHz-16QAM-38175-75RB#0-13.427



Date: 13.DEC.2020 21:12:19

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

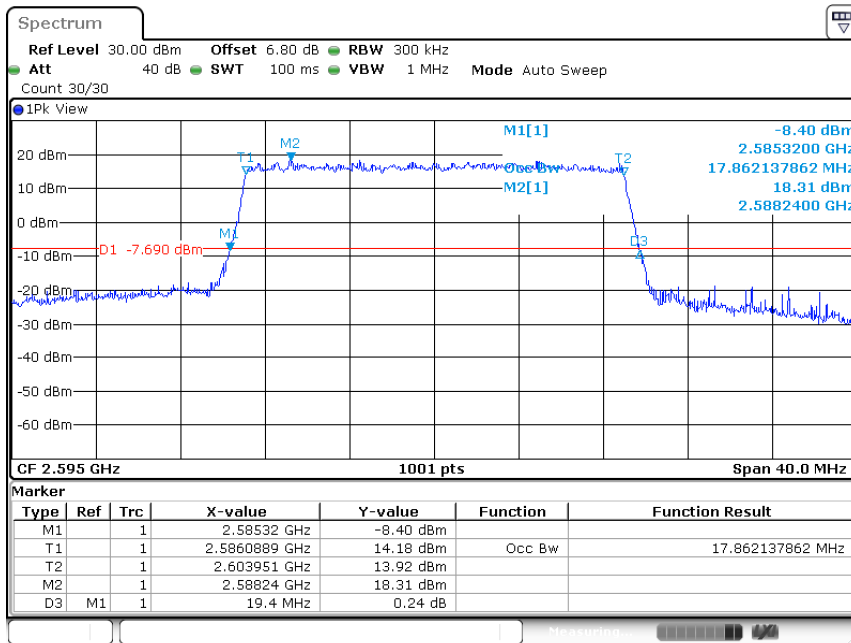


Date: 13.DEC.2020 21:12:37



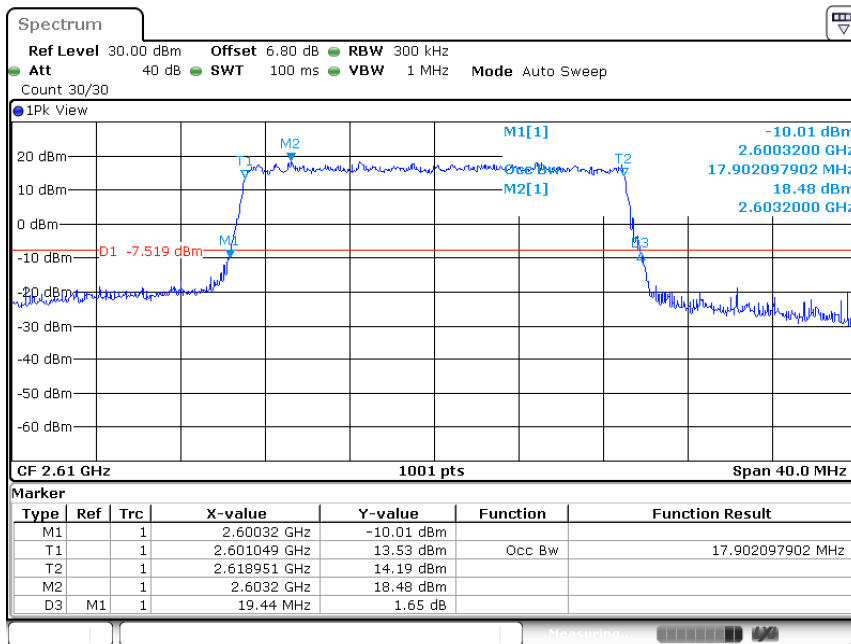
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Band38-20MHz-QPSK-38000-100RB#0-17.862



Date: 13.DEC.2020 21:13:03

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

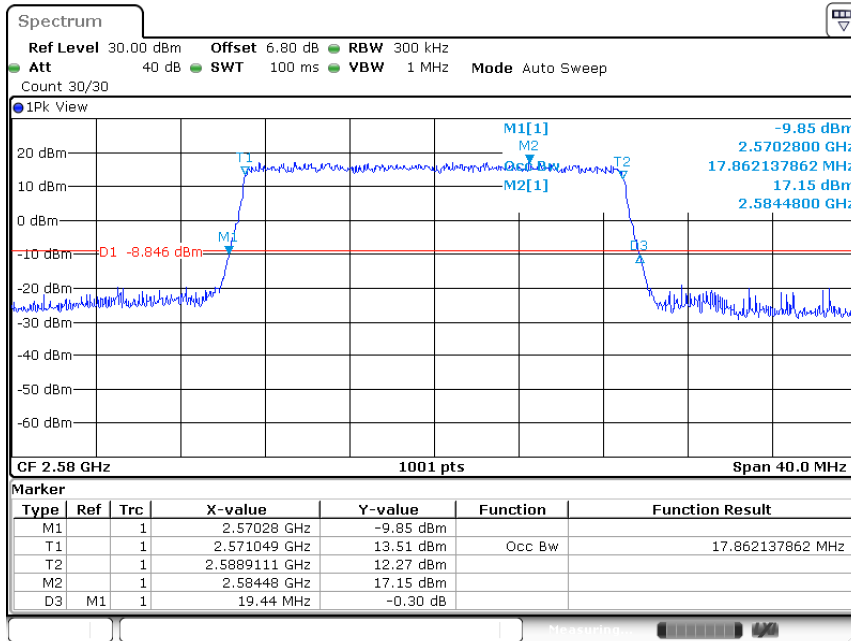


Date: 13.DEC.2020 21:13:29



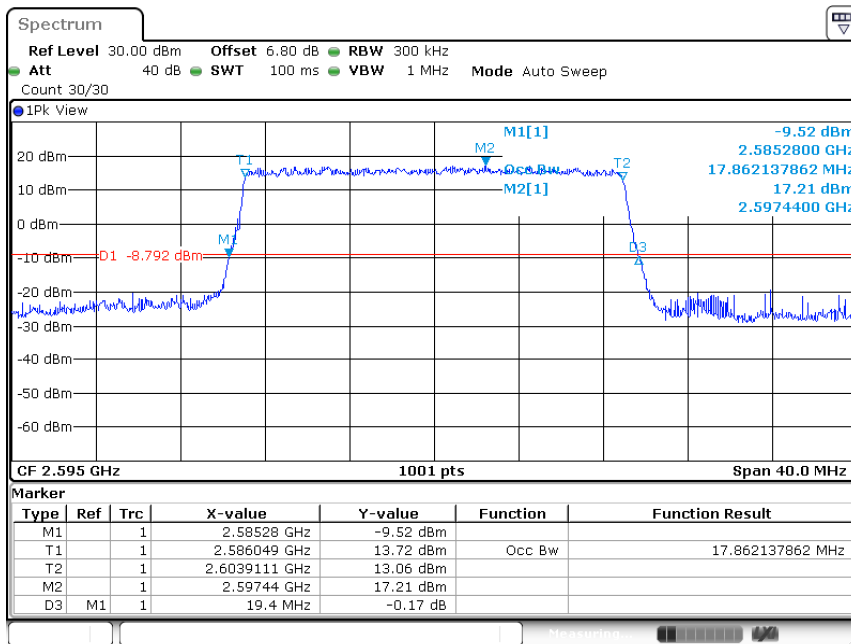
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Band38-20MHz-64QAM-37850-100RB#0-17.862



Date: 13.DEC.2020 21:40:29

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

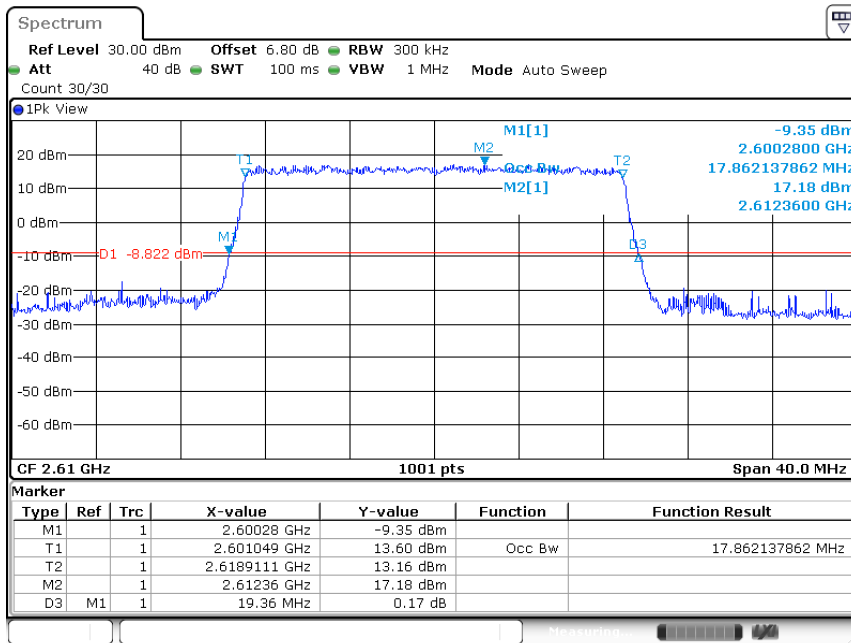


Date: 13.DEC.2020 21:40:42



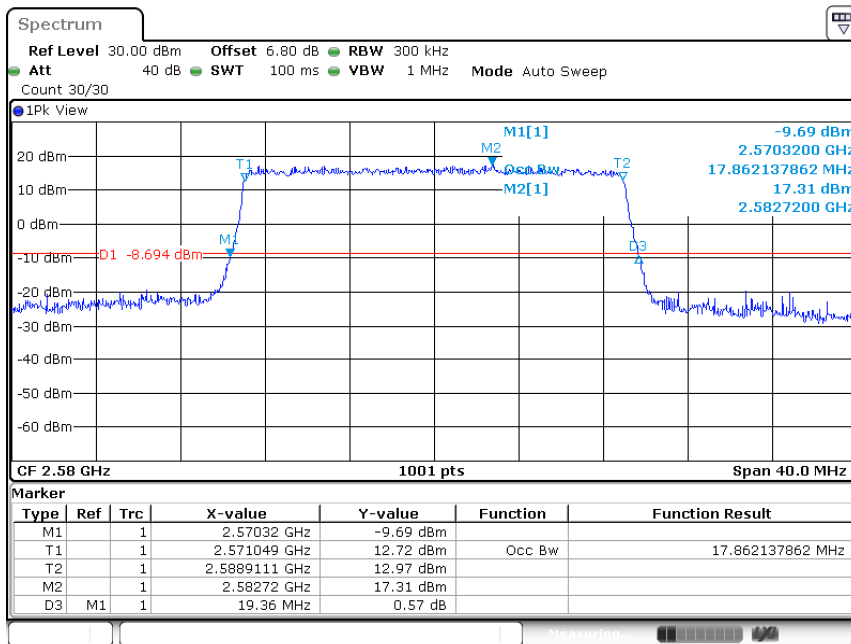
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Band38-20MHz-64QAM-38150-100RB#0-17.862



Date: 13.DEC.2020 21:40:55

Band38-20MHz-16QAM-37850-100RB#0-17.862

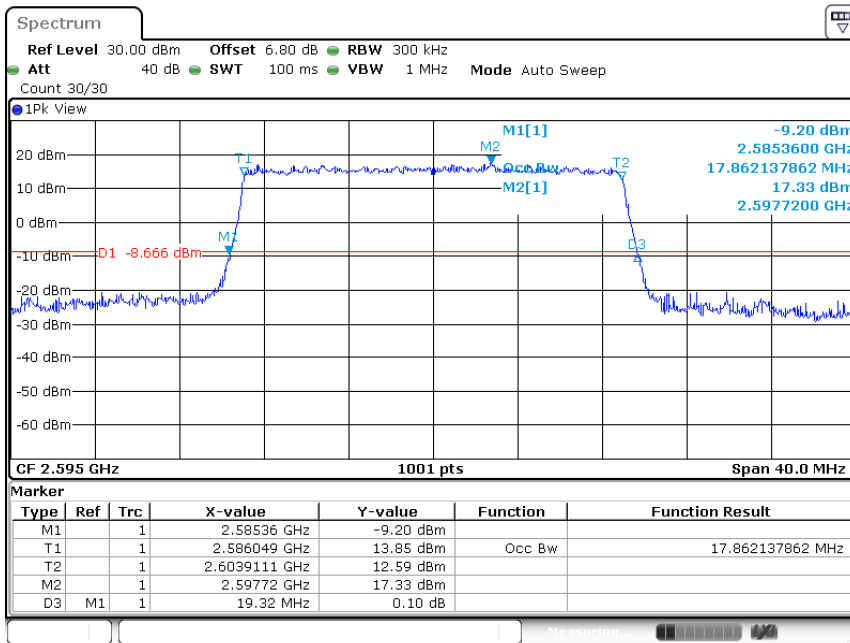


Date: 13.DEC.2020 21:12:50



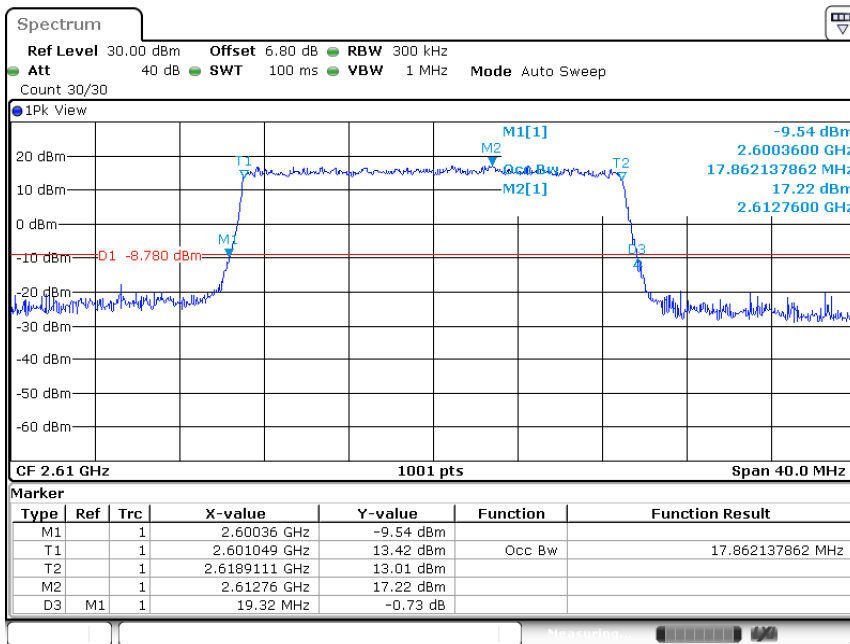
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Band38-20MHz-16QAM-38000-100RB#0-17.862



Date: 13.DEC.2020 21:13:16

Band38-20MHz-16QAM-38150-100RB#0-17.862



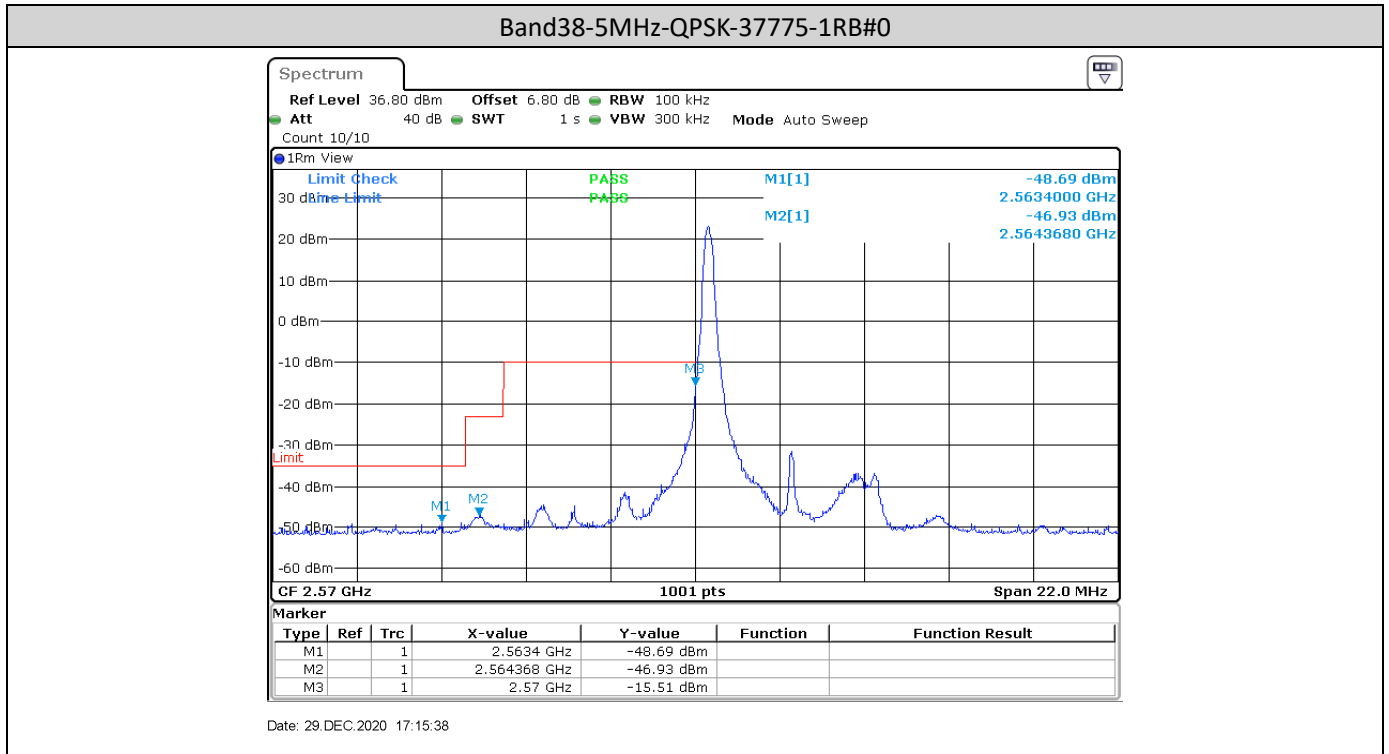
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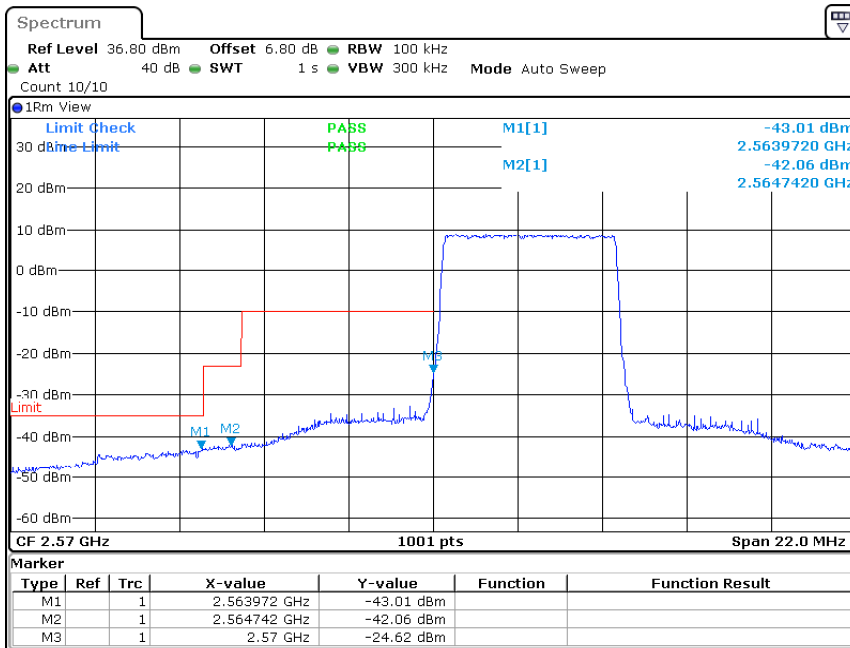
5.1. Test Plots



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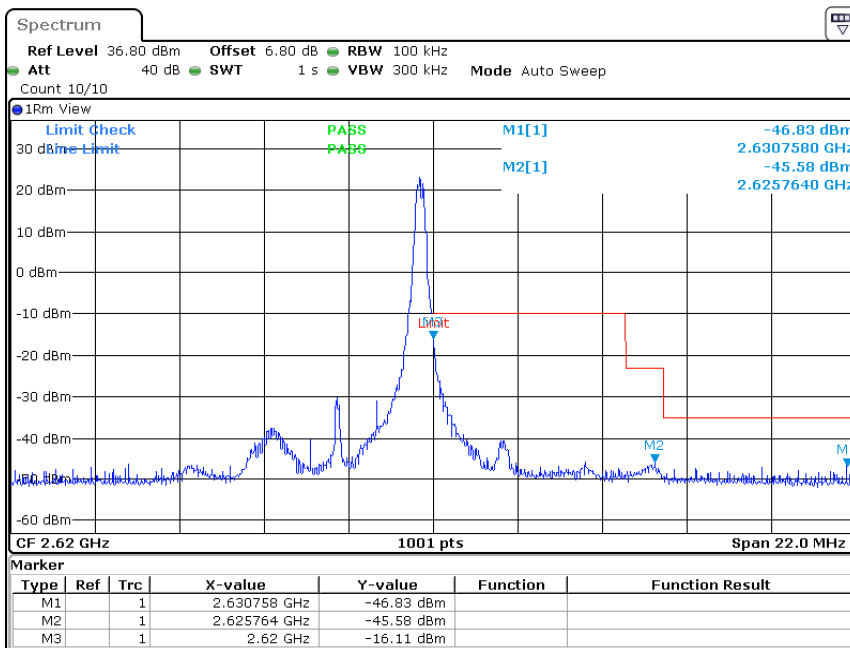
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Band38-5MHz-QPSK-37775-25RB#0



Date: 29_DEC.2020 17:19:55

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



Date: 29_DEC.2020 17:16:35

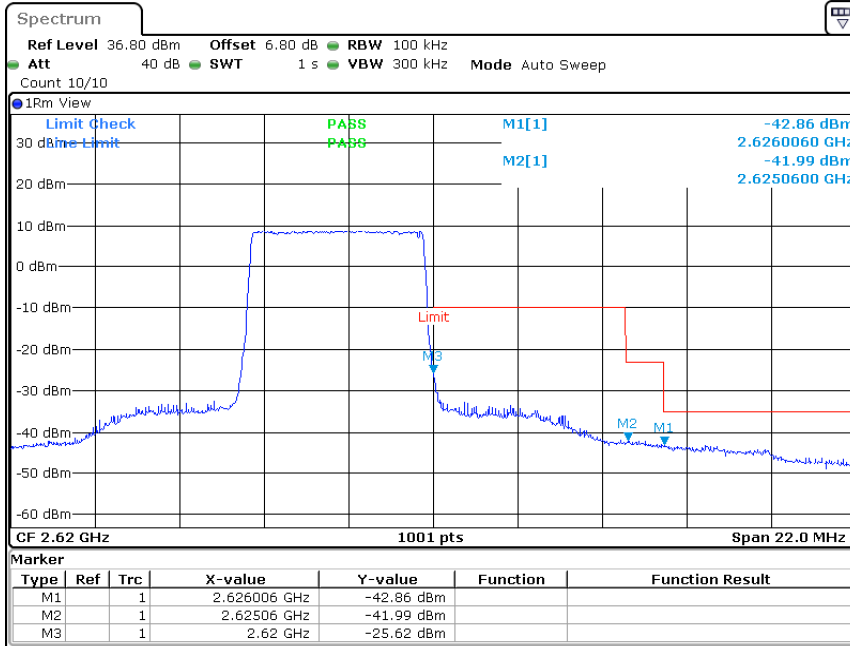


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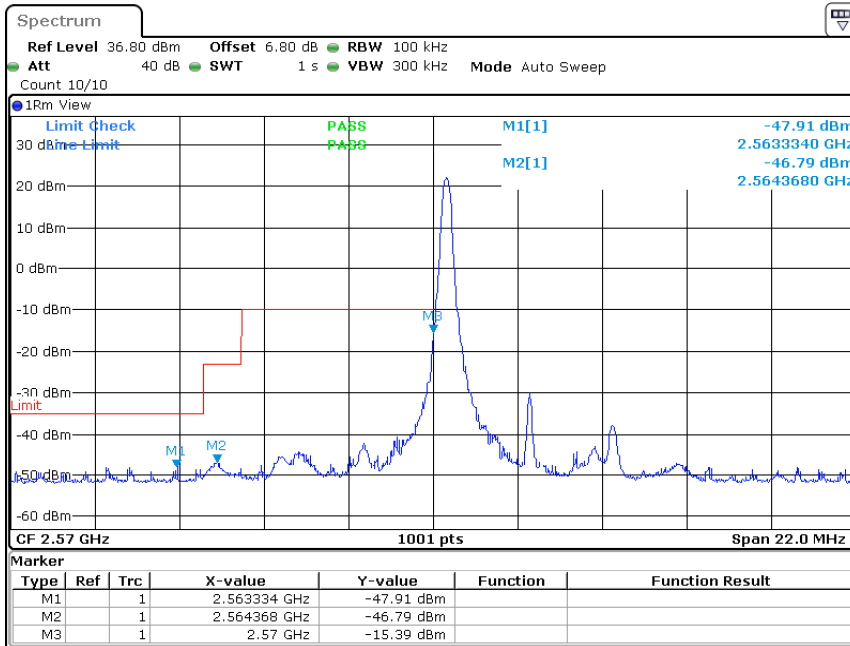
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Band38-5MHz-QPSK-38225-25RB#0



Date: 29_DEC.2020 17:21:08

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

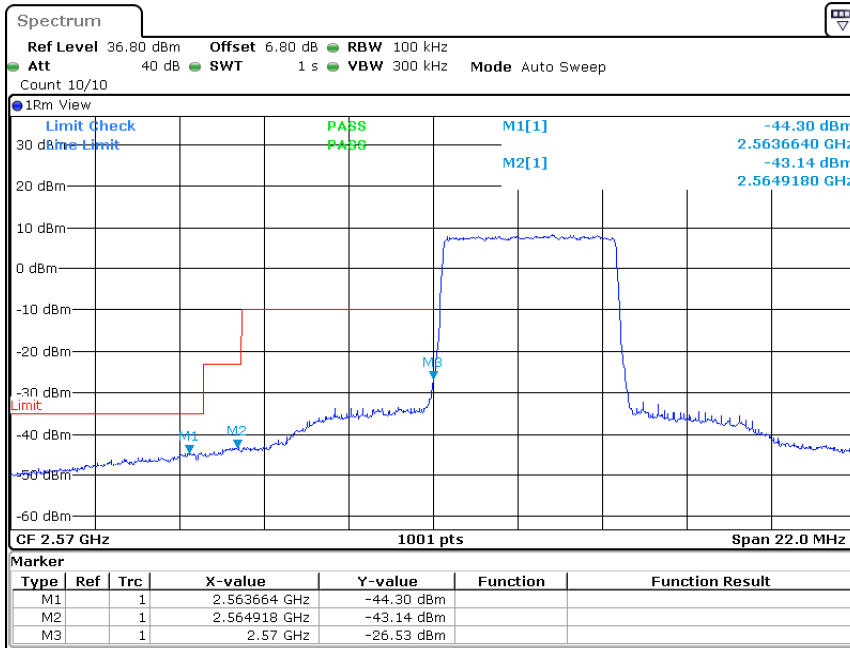


Date: 29_DEC.2020 17:17:31



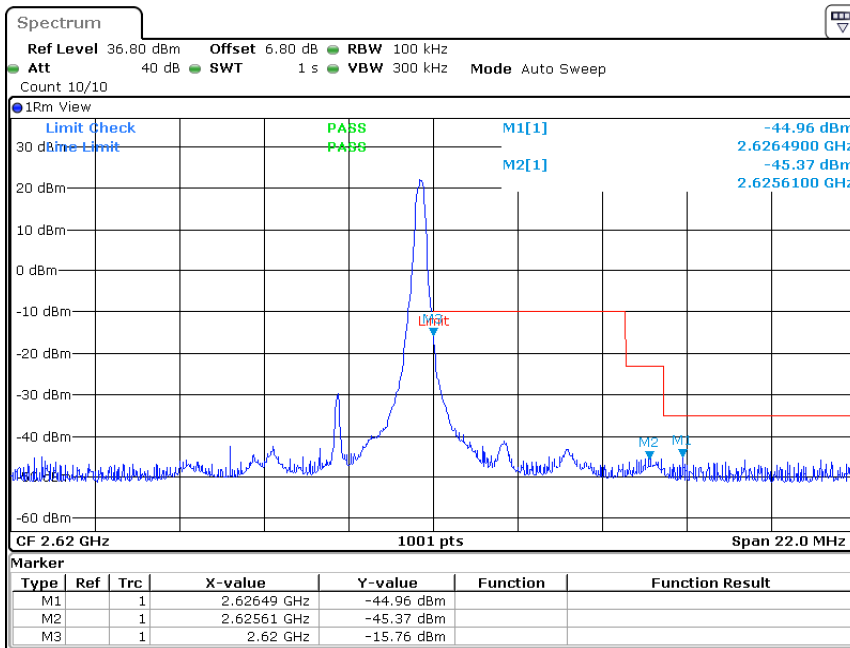
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Band38-5MHz-64QAM-37775-25RB#0



Date: 29_DEC.2020 17:23:54

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

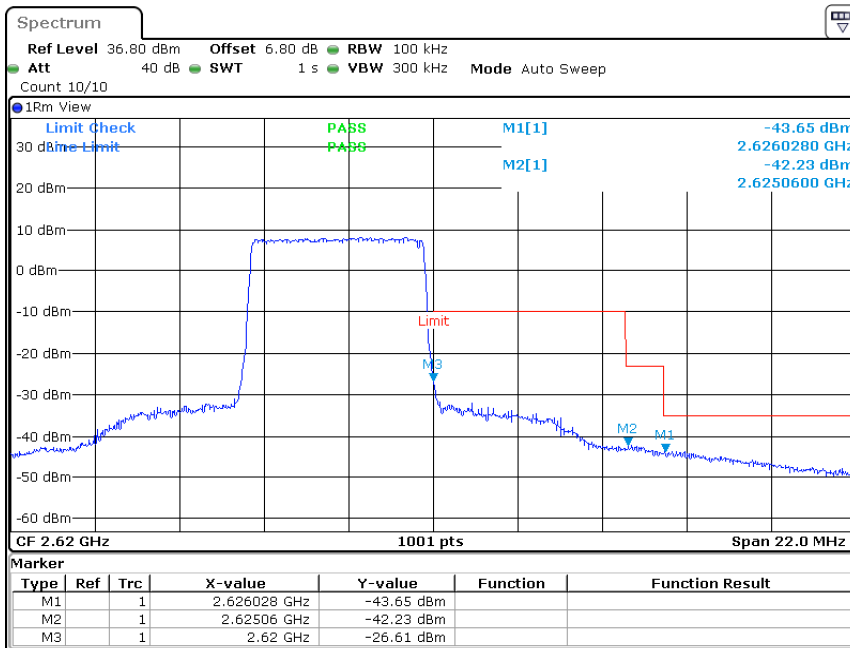


Date: 29_DEC.2020 17:18:21



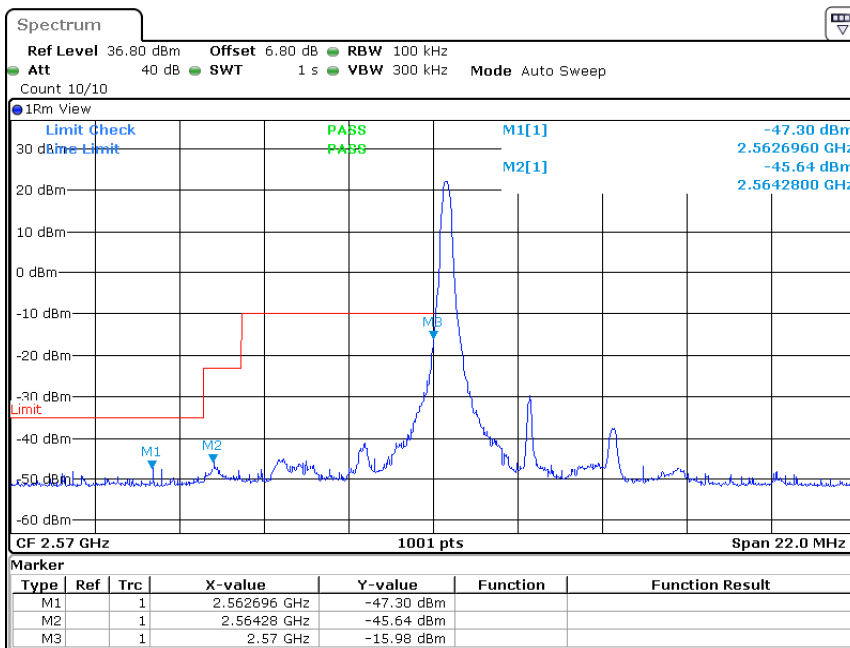
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Band38-5MHz-64QAM-38225-25RB#0



Date: 29_DEC.2020 17:25:46

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

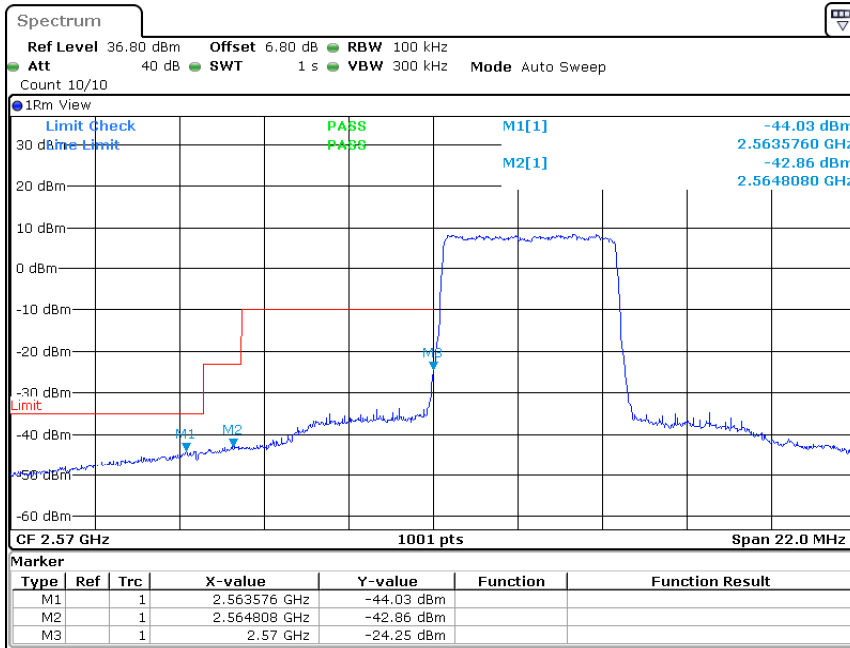


Date: 29_DEC.2020 17:16:00



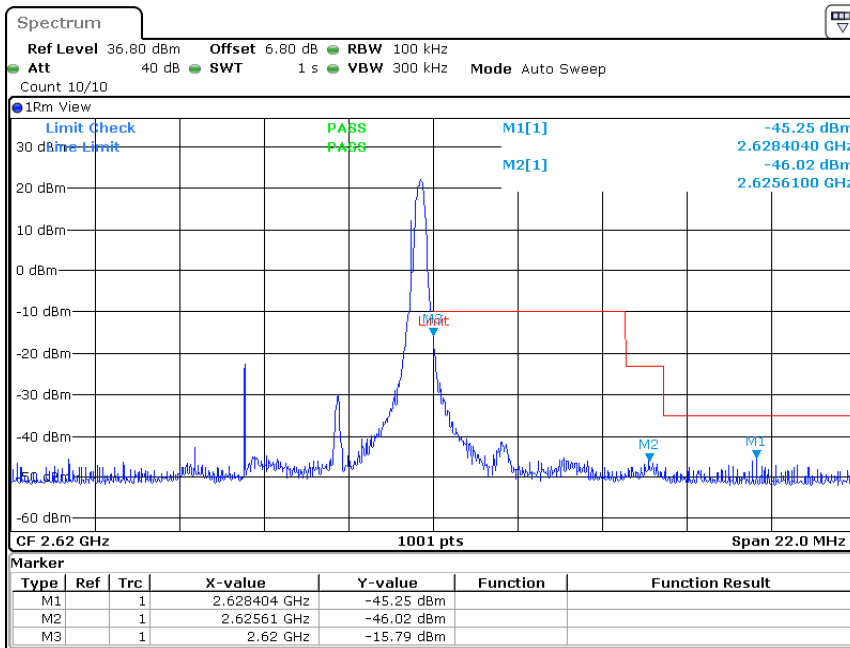
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Band38-5MHz-16QAM-37775-25RB#0



Date: 29_DEC.2020 17:20:16

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

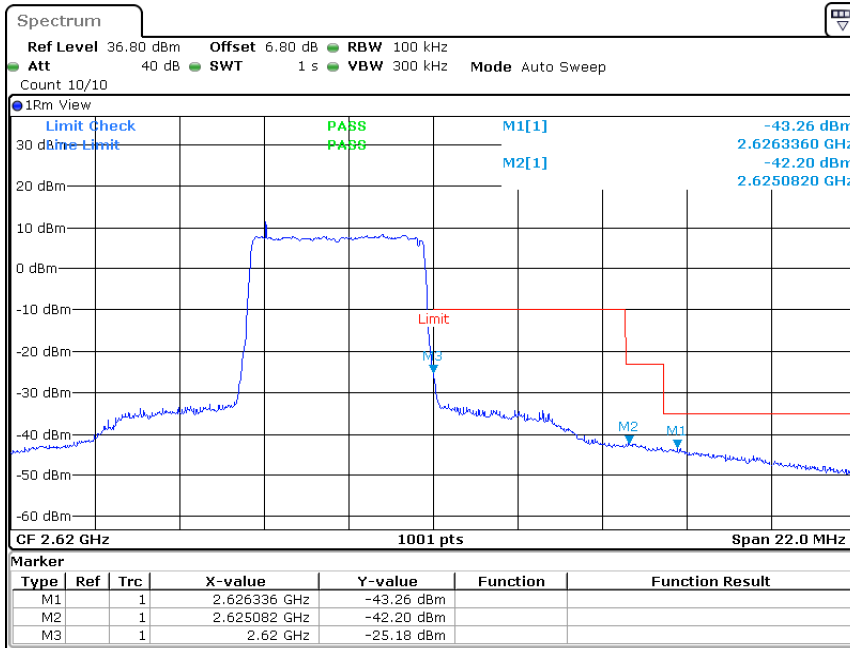


Date: 29_DEC.2020 17:17:05



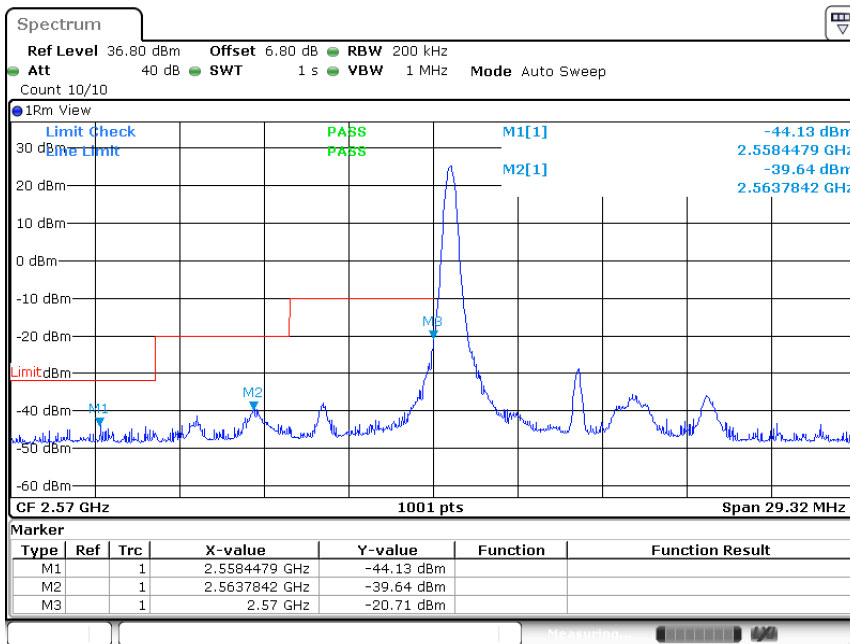
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Band38-5MHz-16QAM-38225-25RB#0



Date: 29.DEC.2020 17:22:14

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

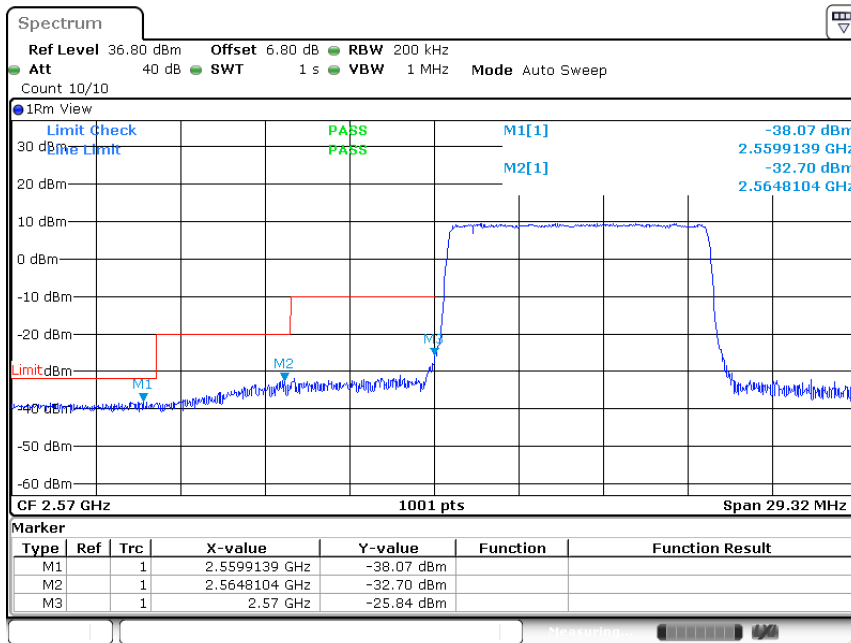


Date: 13.DEC.2020 21:17:15



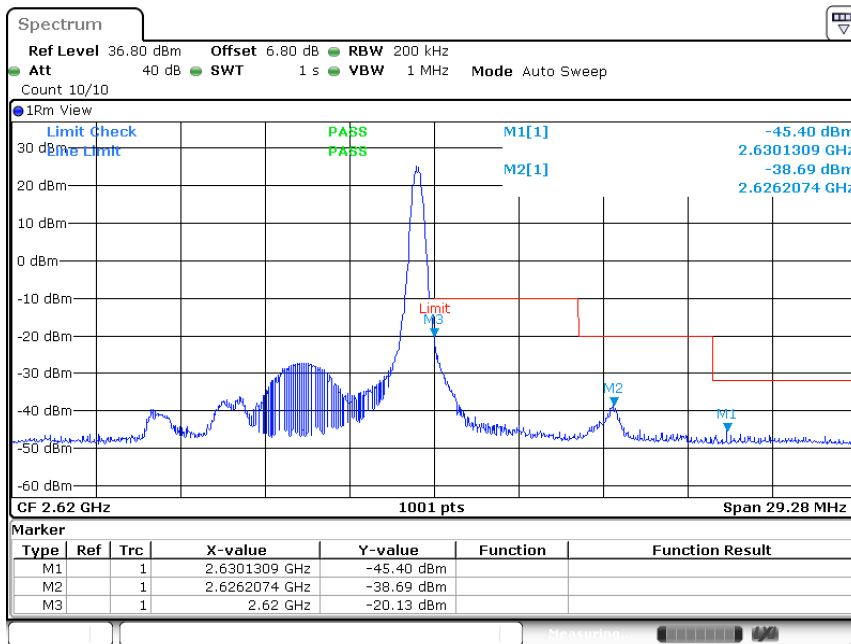
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Band38-10MHz-QPSK-37800-50RB#0



Date: 13.DEC.2020 21:18:50

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

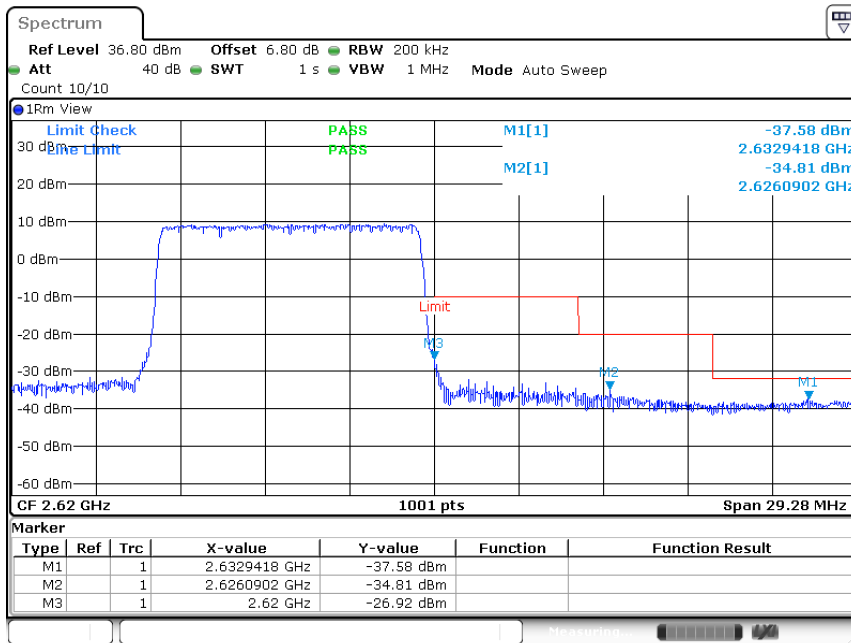


Date: 13.DEC.2020 21:18:03



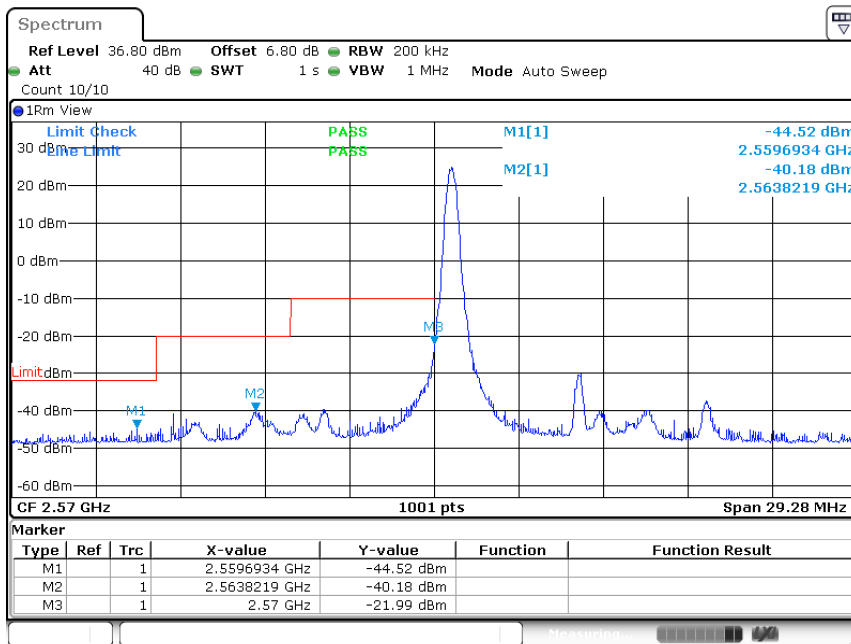
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Band38-10MHz-QPSK-38200-50RB#0



Date: 13.DEC.2020 21:19:34

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

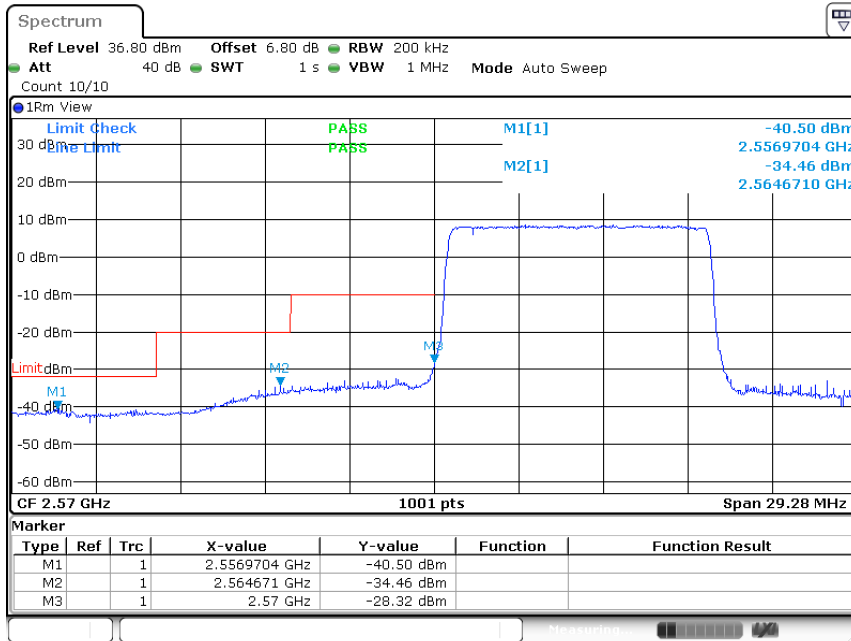


Date: 13.DEC.2020 21:43:04



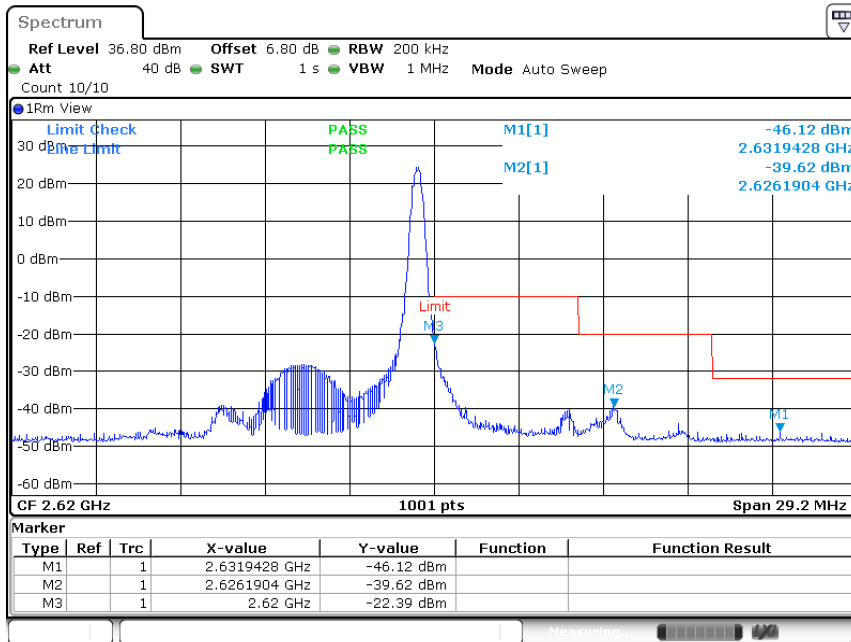
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Band38-10MHz-64QAM-37800-50RB#0



Date: 13.DEC.2020 21:43:57

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



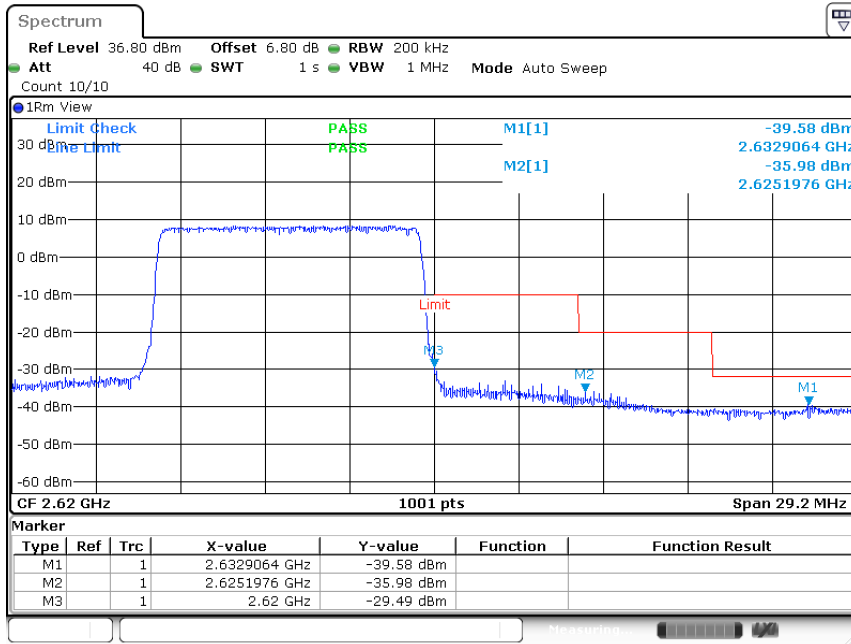
Date: 13.DEC.2020 21:43:30



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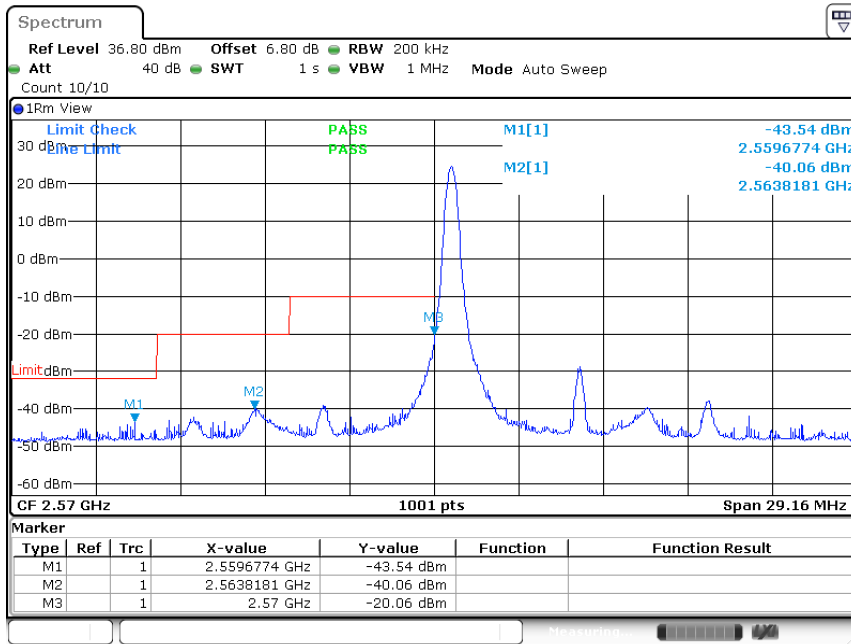
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Band38-10MHz-64QAM-38200-50RB#0



Date: 13.DEC.2020 21:44:18

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

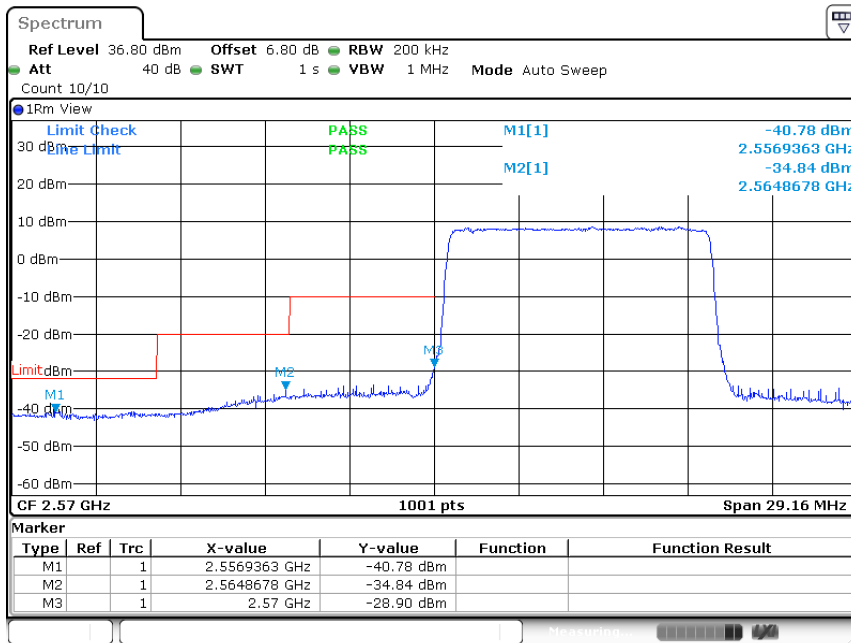


Date: 13.DEC.2020 21:17:36



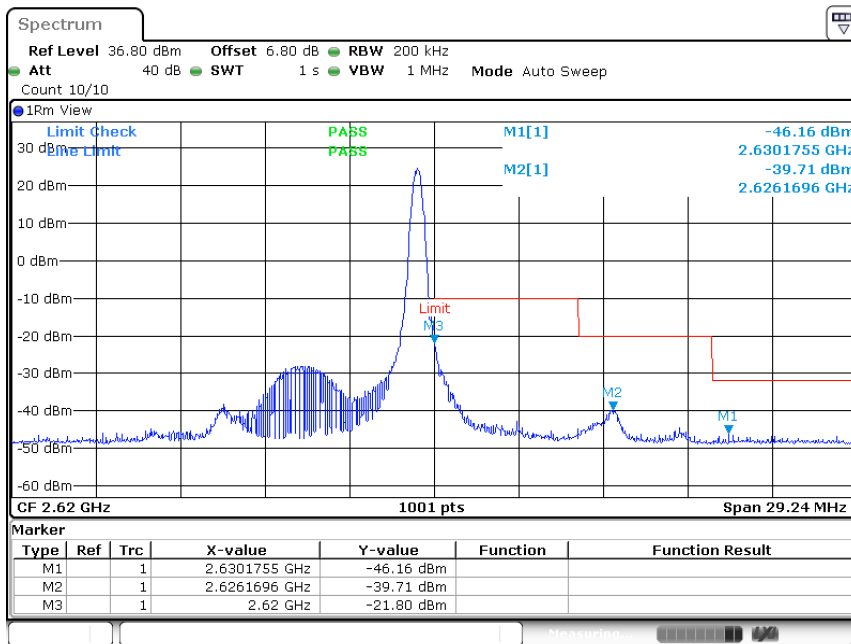
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Band38-10MHz-16QAM-37800-50RB#0



Date: 13.DEC.2020 21:19:12

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

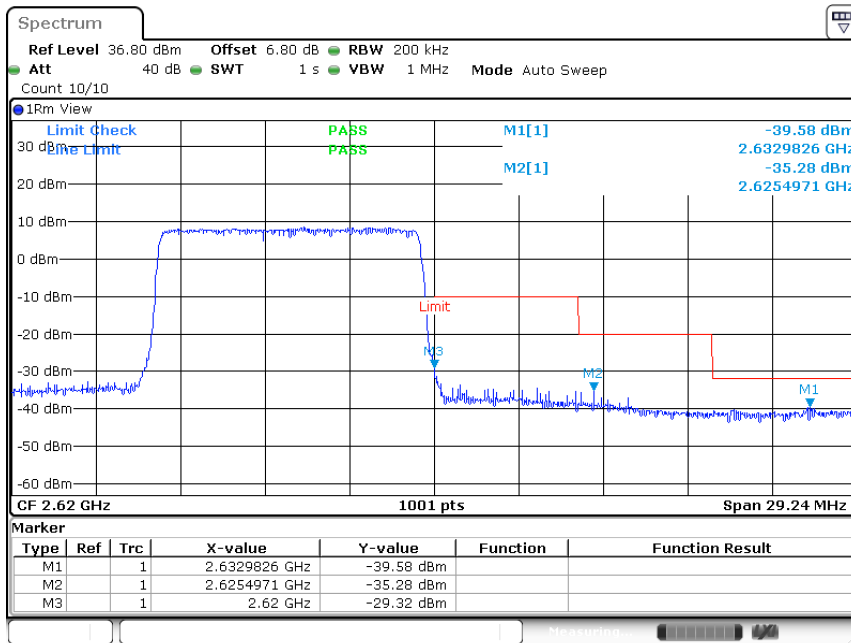


Date: 13.DEC.2020 21:18:24



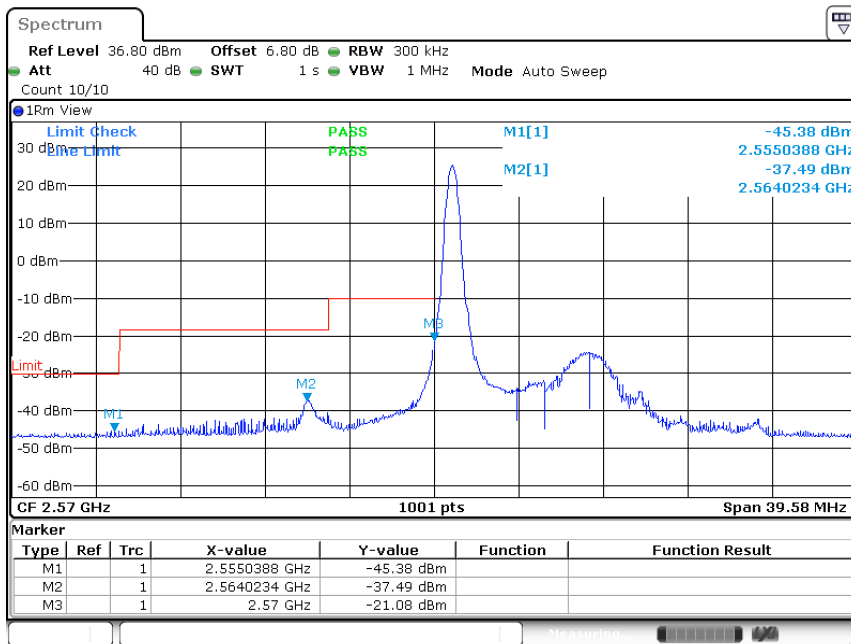
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Band38-10MHz-16QAM-38200-50RB#0



Date: 13.DEC.2020 21:19:56

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

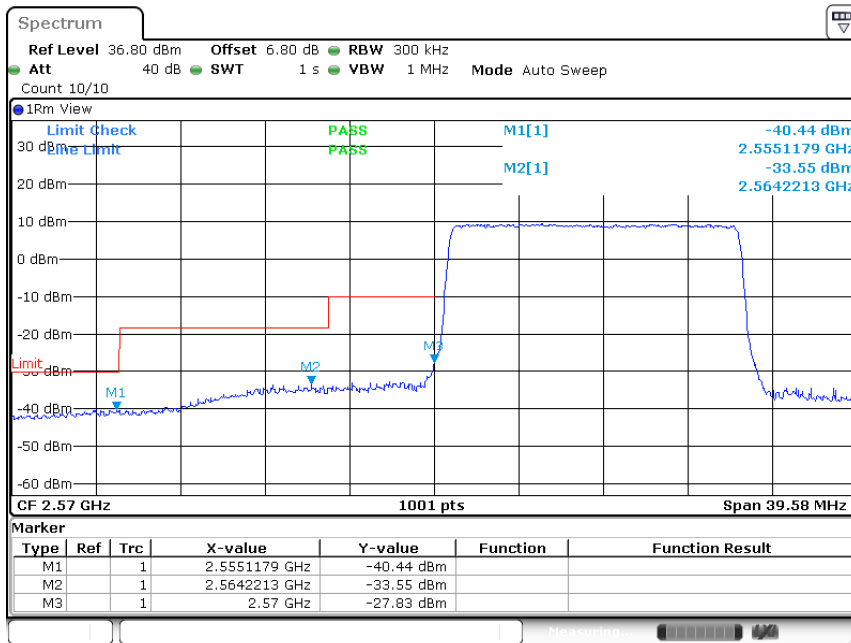


Date: 13.DEC.2020 21:20:23



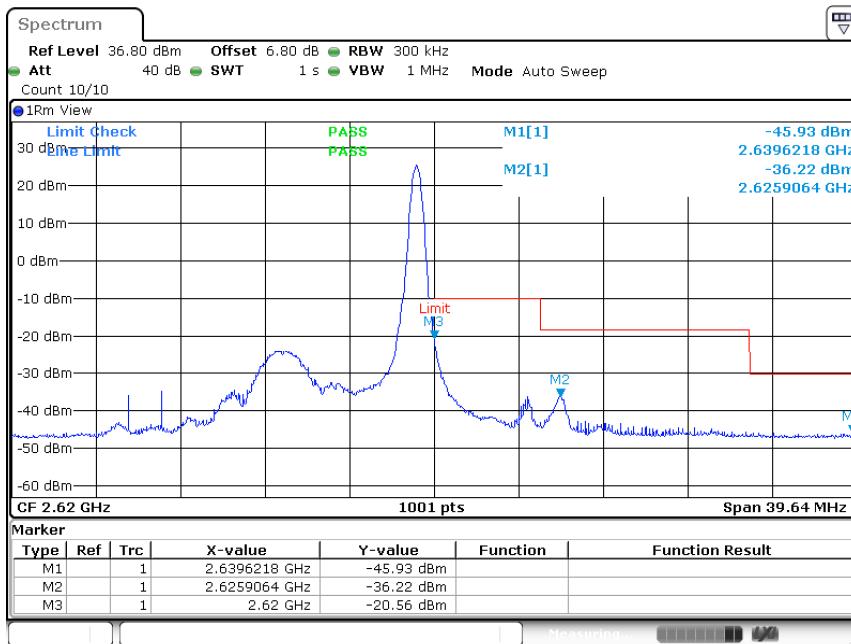
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Band38-15MHz-QPSK-37825-75RB#0



Date: 13.DEC.2020 21:21:58

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

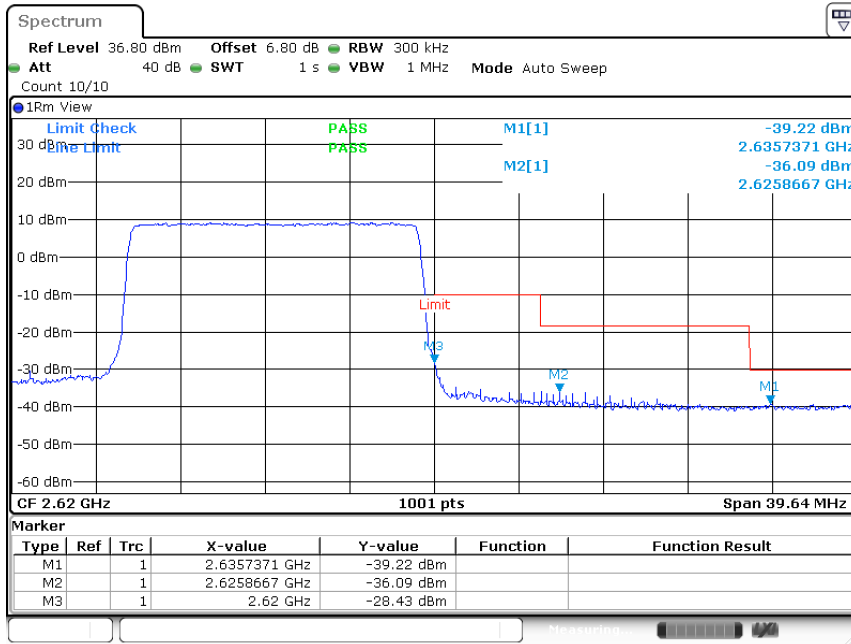


Date: 13.DEC.2020 21:21:10



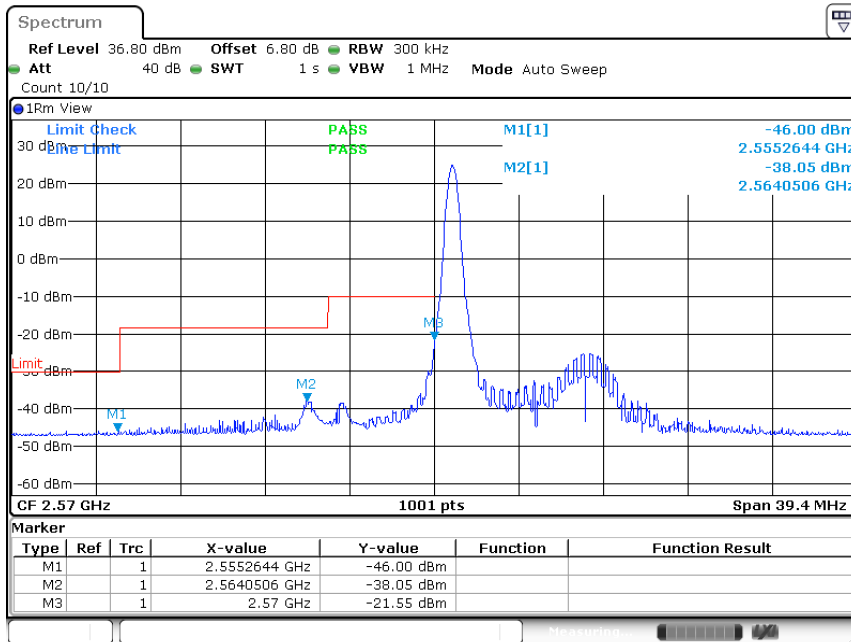
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Band38-15MHz-QPSK-38175-75RB#0



Date: 13.DEC.2020 21:22:41

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



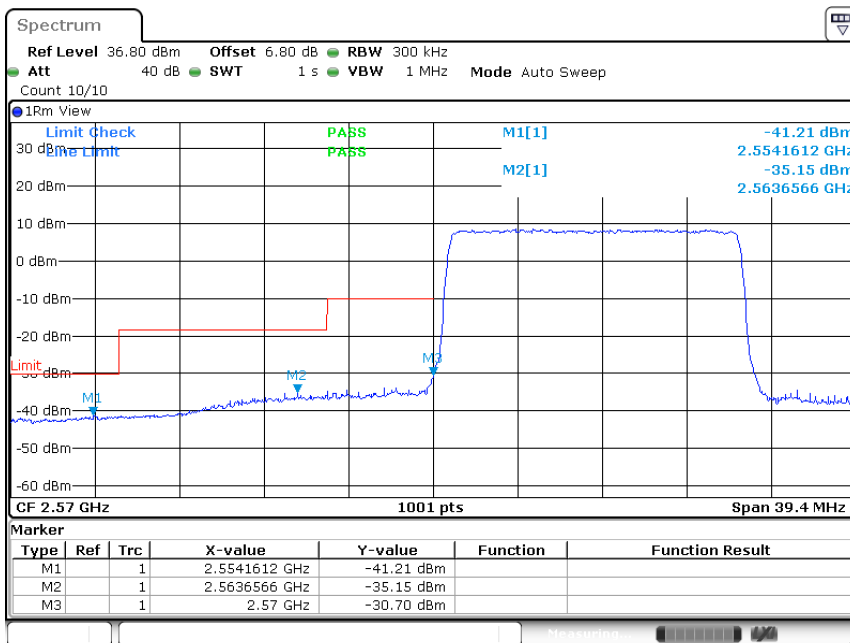
Date: 13.DEC.2020 21:44:45



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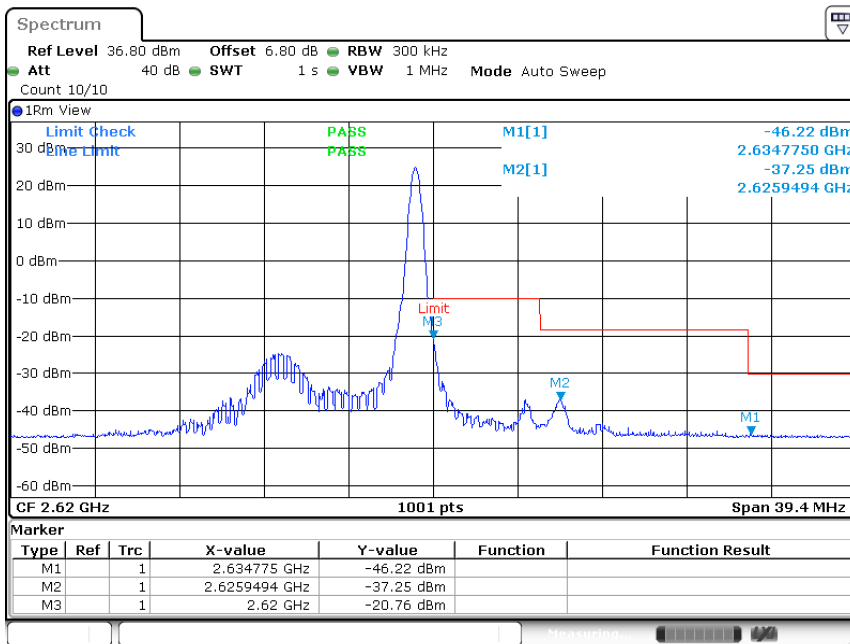
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Band38-15MHz-64QAM-37825-75RB#0



Date: 13.DEC.2020 21:45:38

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

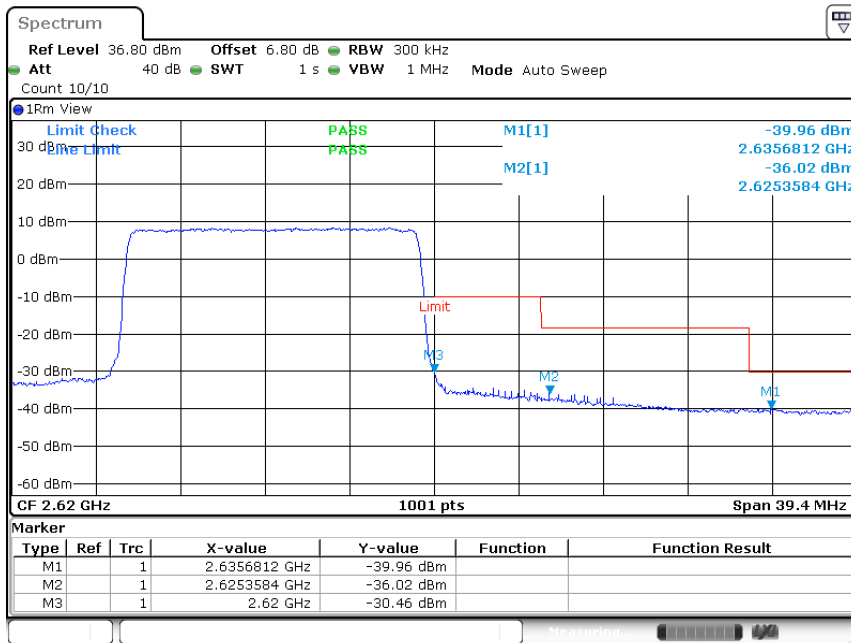


Date: 13.DEC.2020 21:45:11



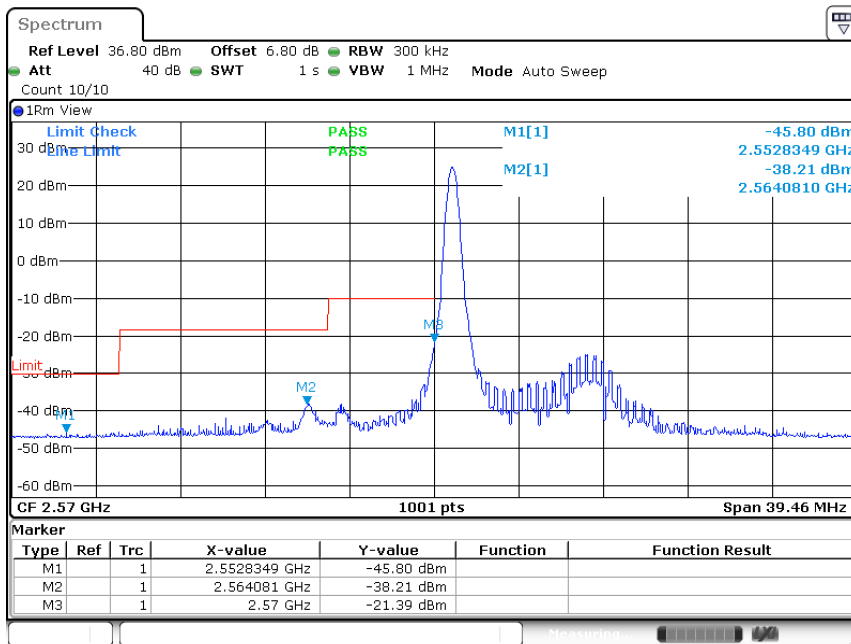
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Band38-15MHz-64QAM-38175-75RB#0



Date: 13.DEC.2020 21:46:00

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

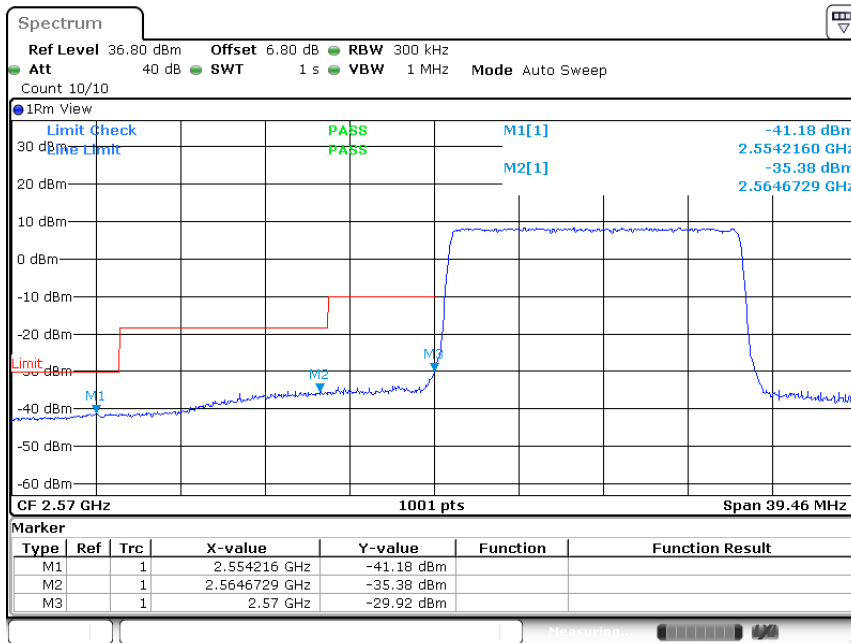


Date: 13.DEC.2020 21:20:45



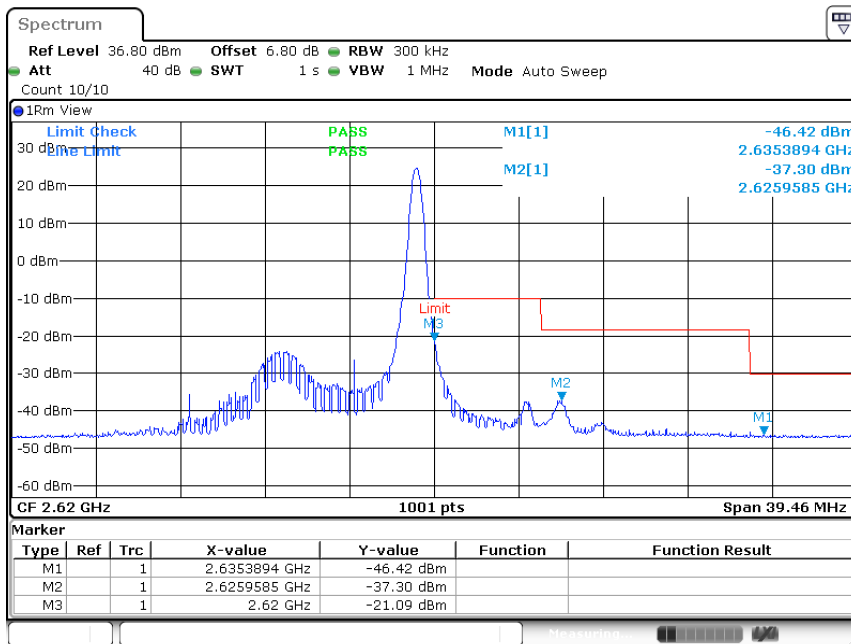
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Band38-15MHz-16QAM-37825-75RB#0



Date: 13.DEC.2020 21:22:20

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

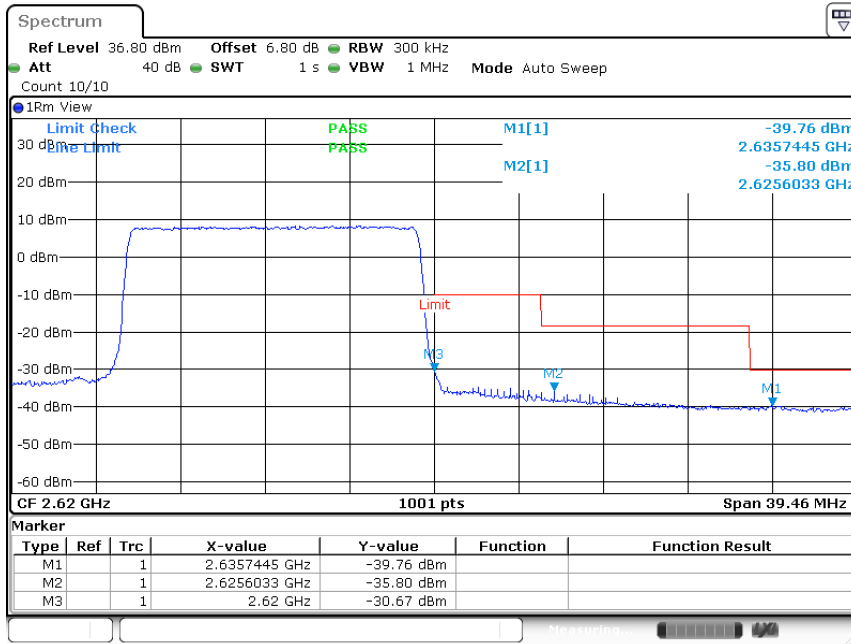


Date: 13.DEC.2020 21:21:32



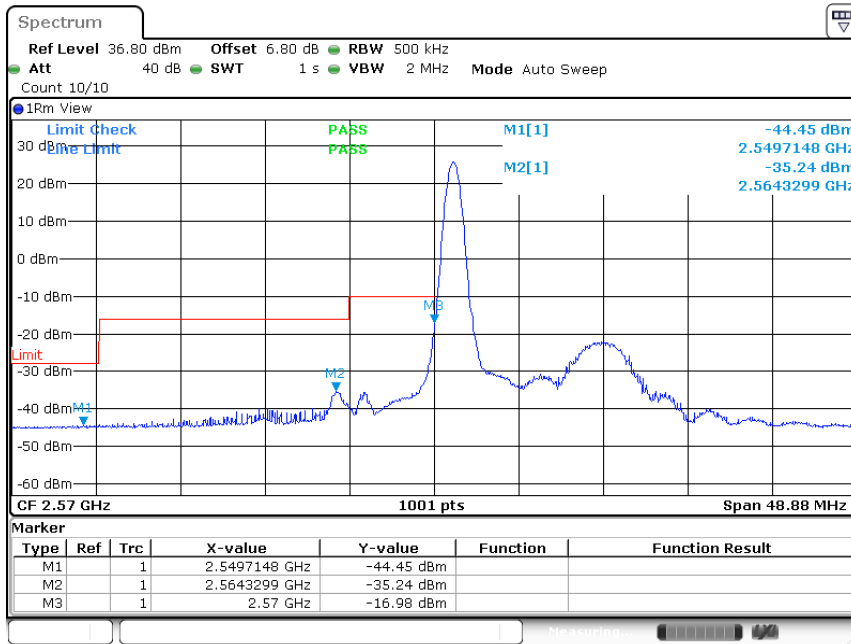
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Band38-15MHz-16QAM-38175-75RB#0



Date: 13.DEC.2020 21:23:03

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

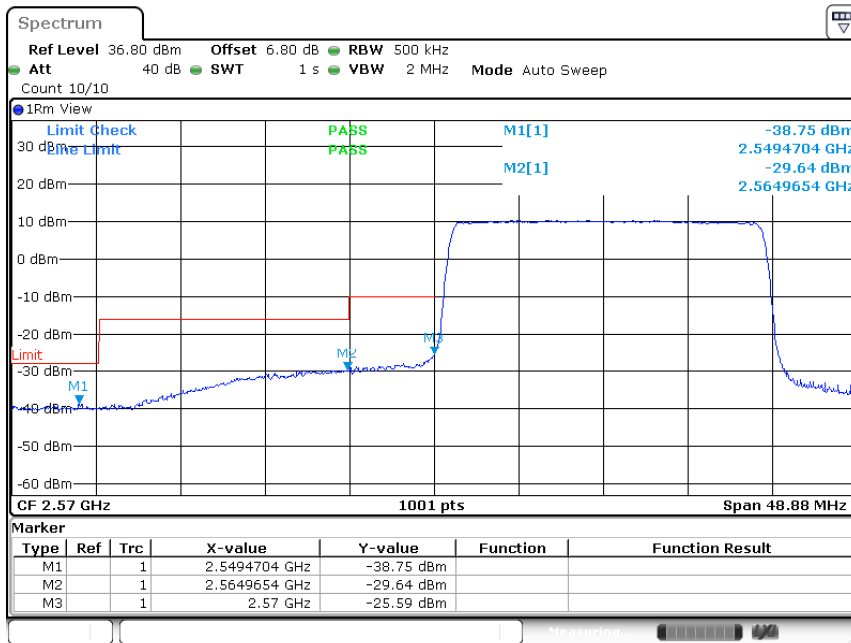


Date: 13.DEC.2020 21:23:29



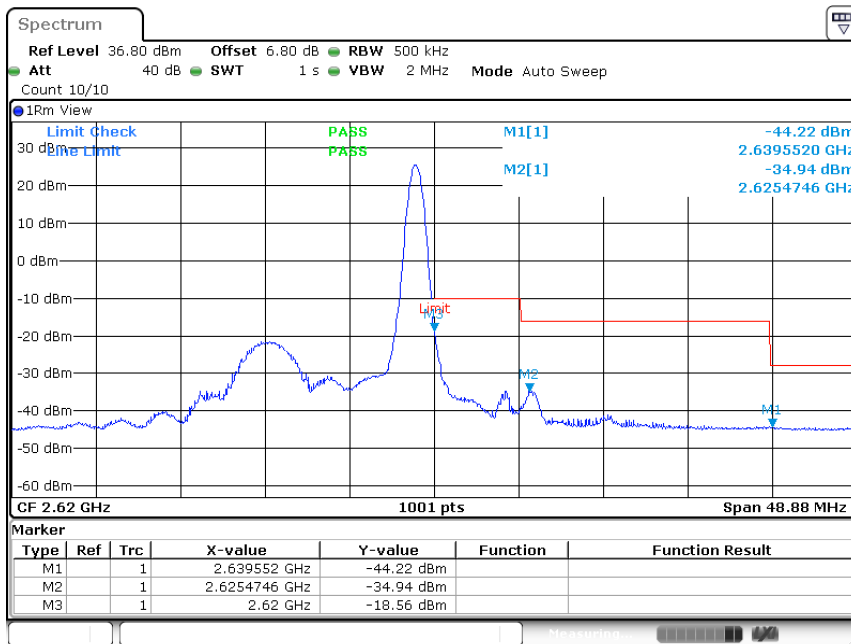
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Band38-20MHz-QPSK-37850-100RB#0



Date: 13.DEC.2020 21:25:05

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



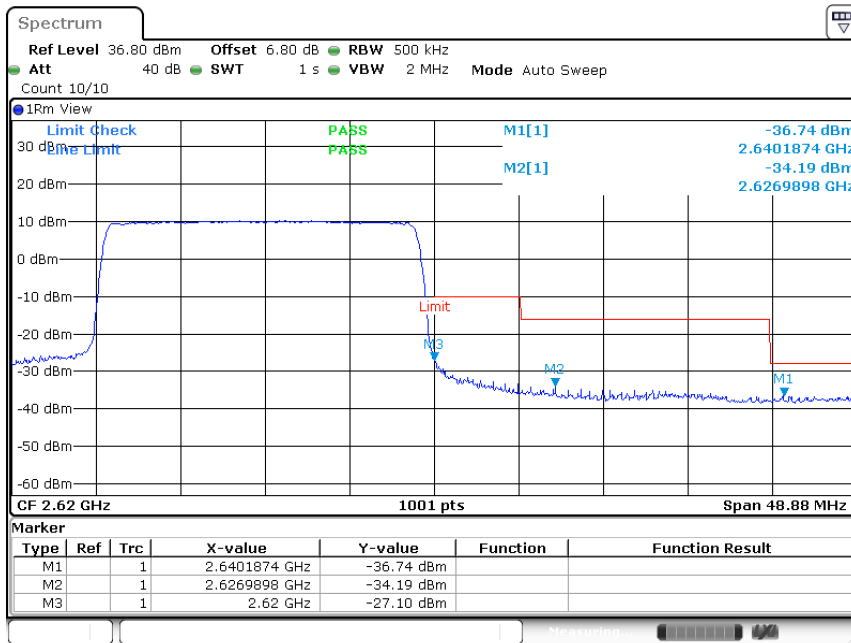
Date: 13.DEC.2020 21:24:17



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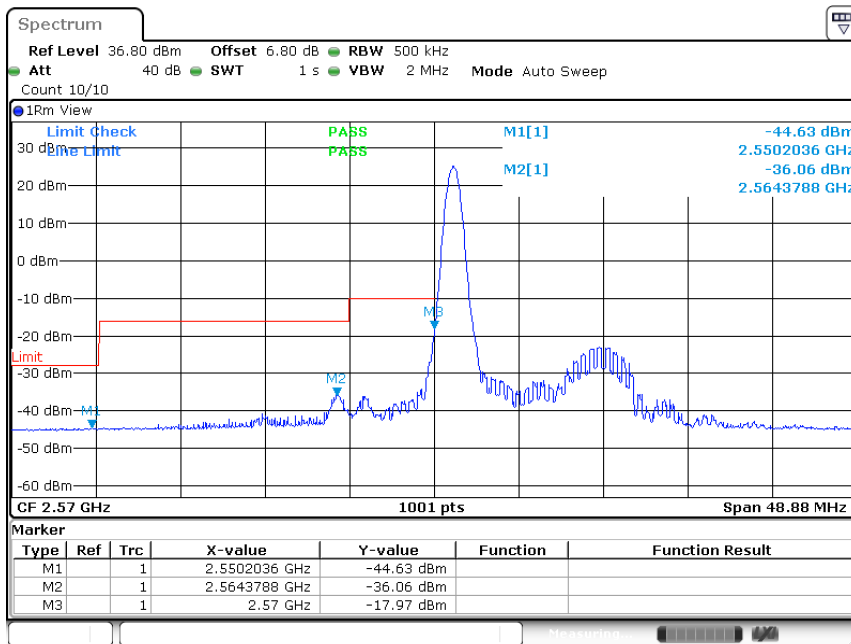
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Band38-20MHz-QPSK-38150-100RB#0



Date: 13.DEC.2020 21:25:48

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



Date: 13.DEC.2020 21:46:26

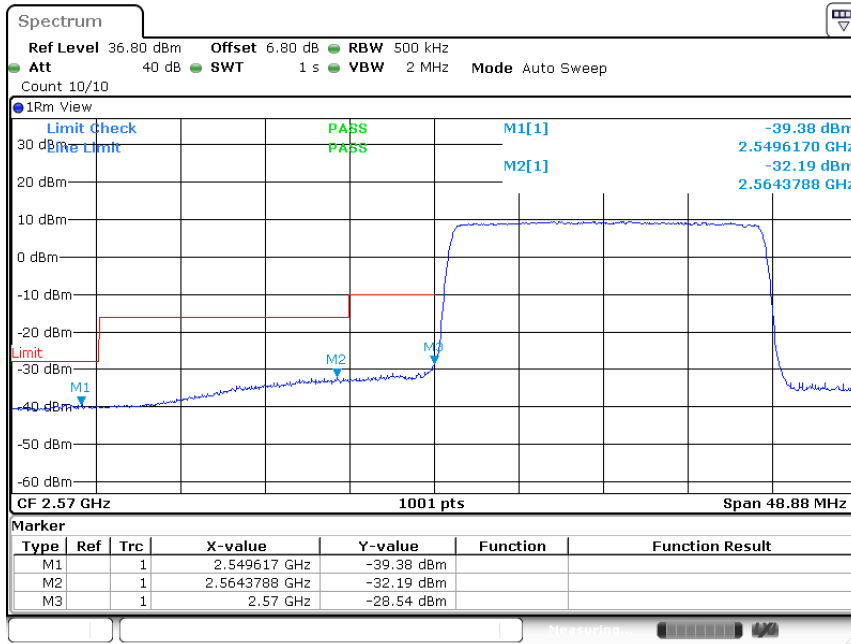


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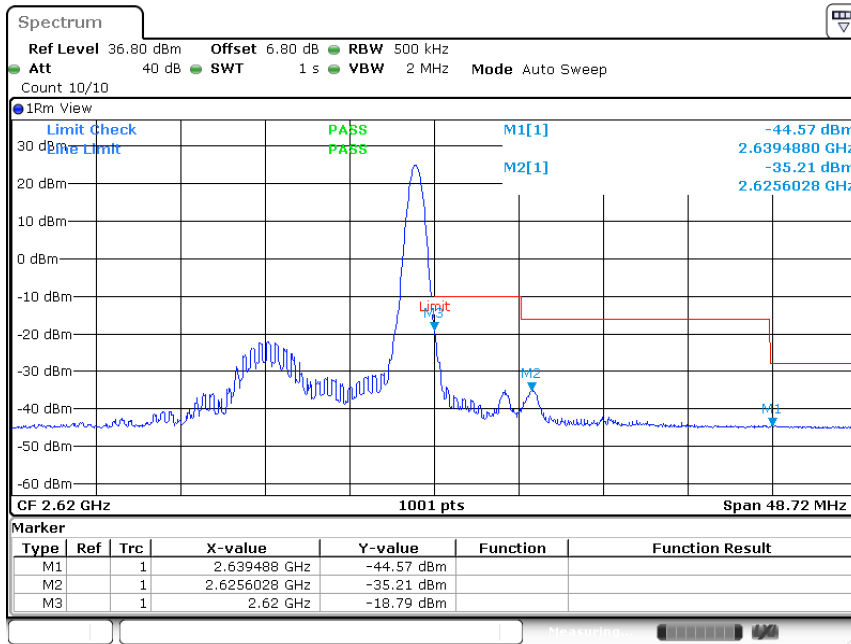
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 13.DEC.2020 21:47:19

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



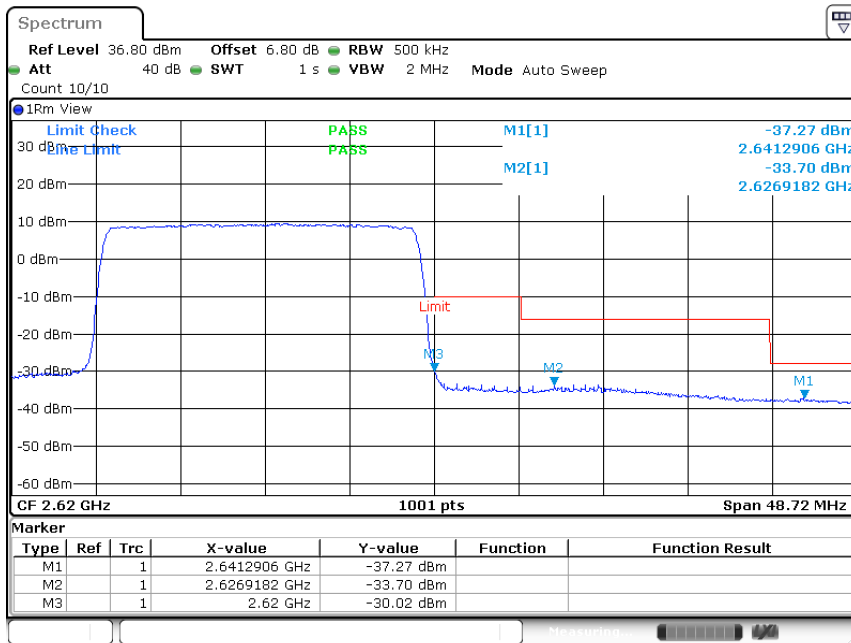
Date: 13.DEC.2020 21:46:53



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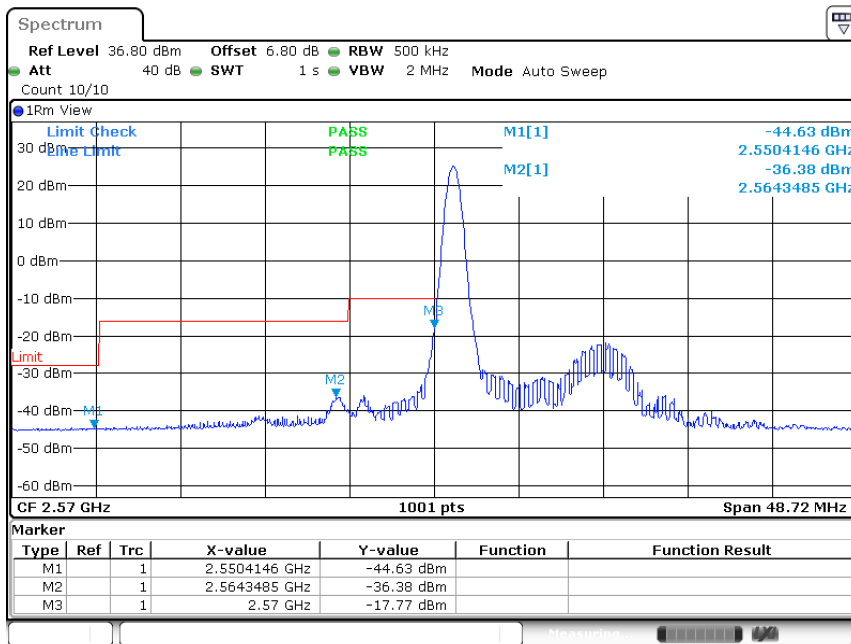
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Band38-20MHz-64QAM-38150-100RB#0



Date: 13.DEC.2020 21:47:41

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



Date: 13.DEC.2020 21:23:51

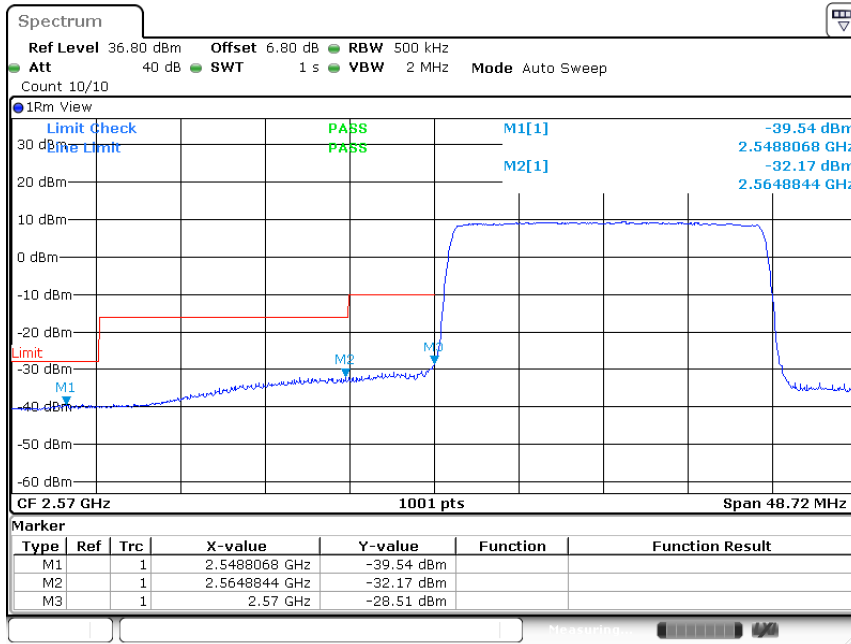


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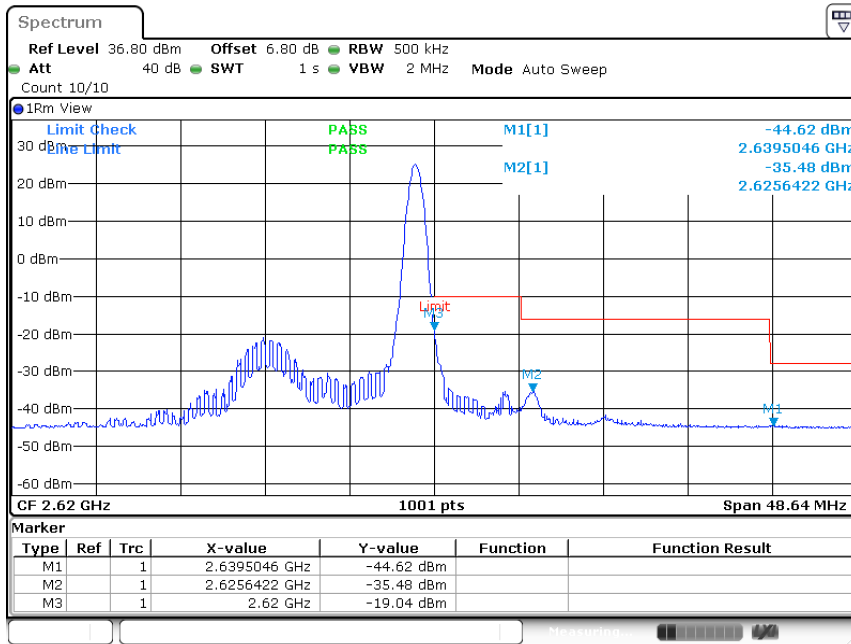
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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Band38-20MHz-16QAM-37850-100RB#0



Date: 13.DEC.2020 21:25:26

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

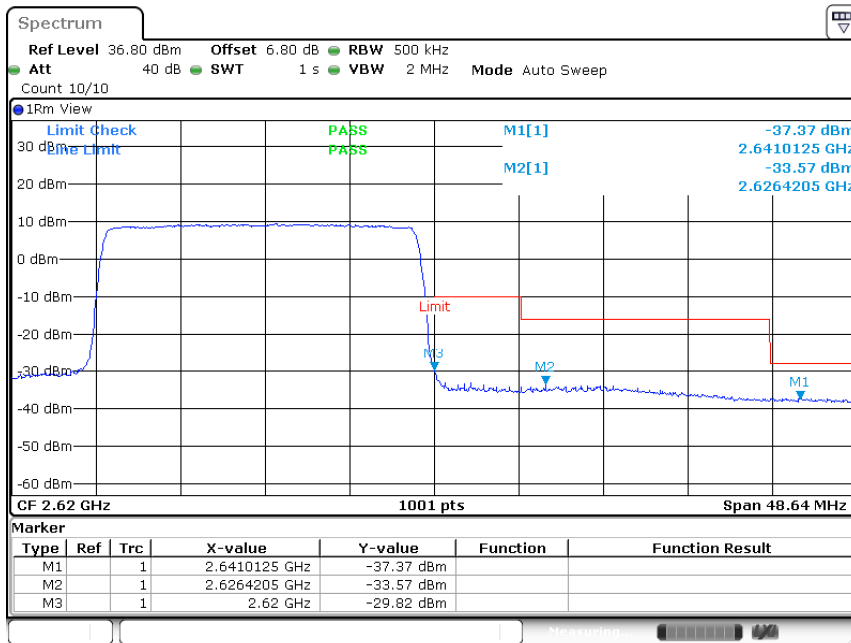


Date: 13.DEC.2020 21:24:39



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



Date: 13.DEC.2020 21:26:10



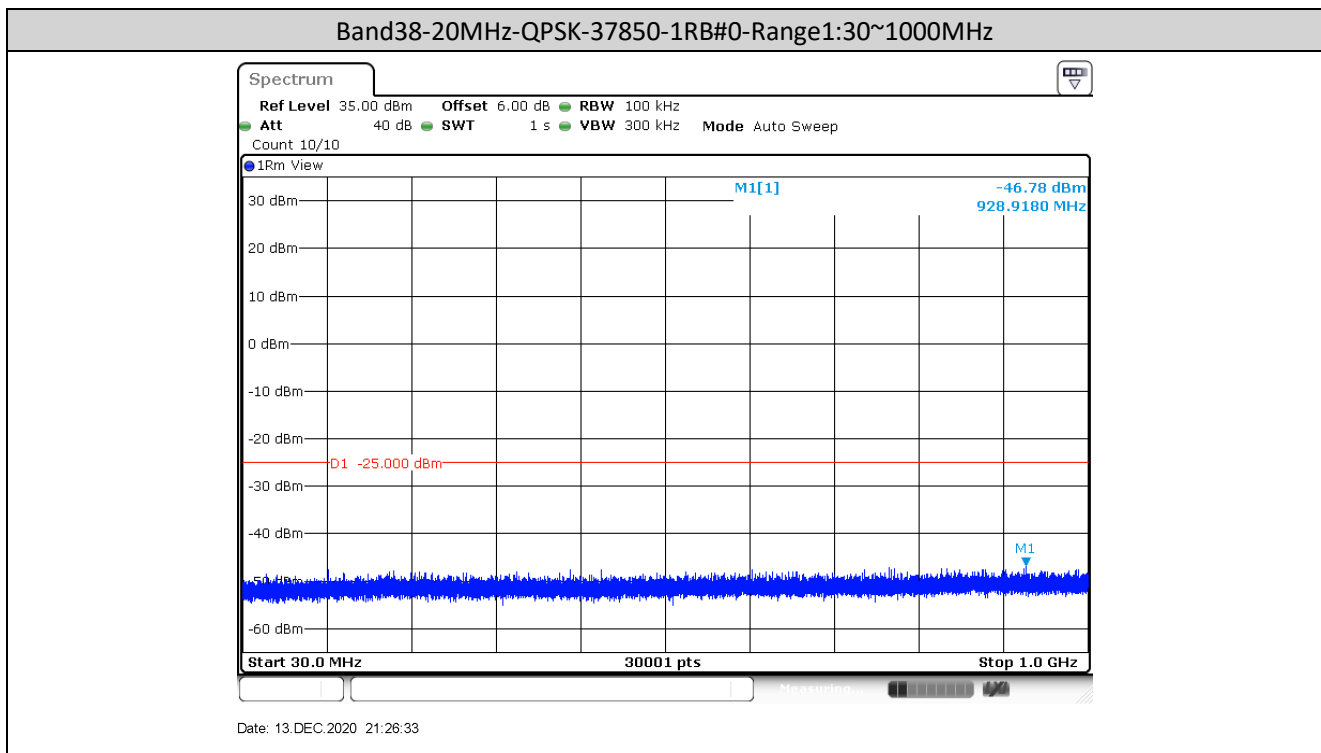
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6. Spurious Emission at Antenna Terminal

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

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

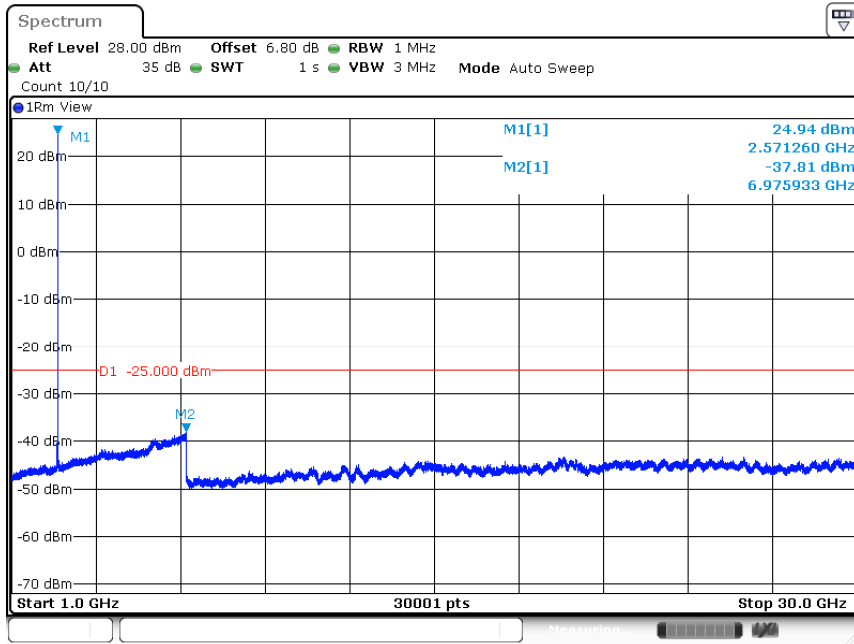
6.1. Test Plots



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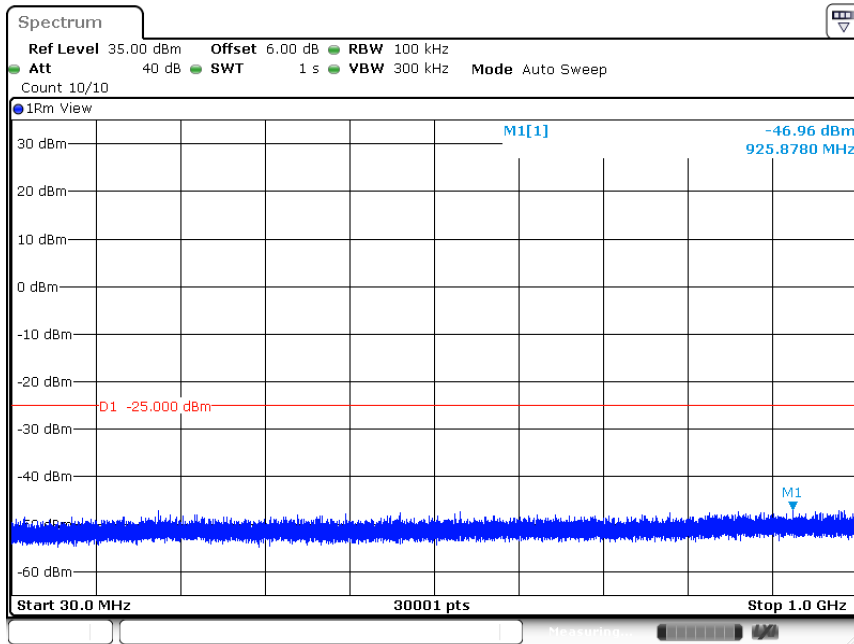
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Band38-20MHz-QPSK-37850-1RB#0-Range2:1000~30000MHz



Date: 13.DEC.2020 21:26:49

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

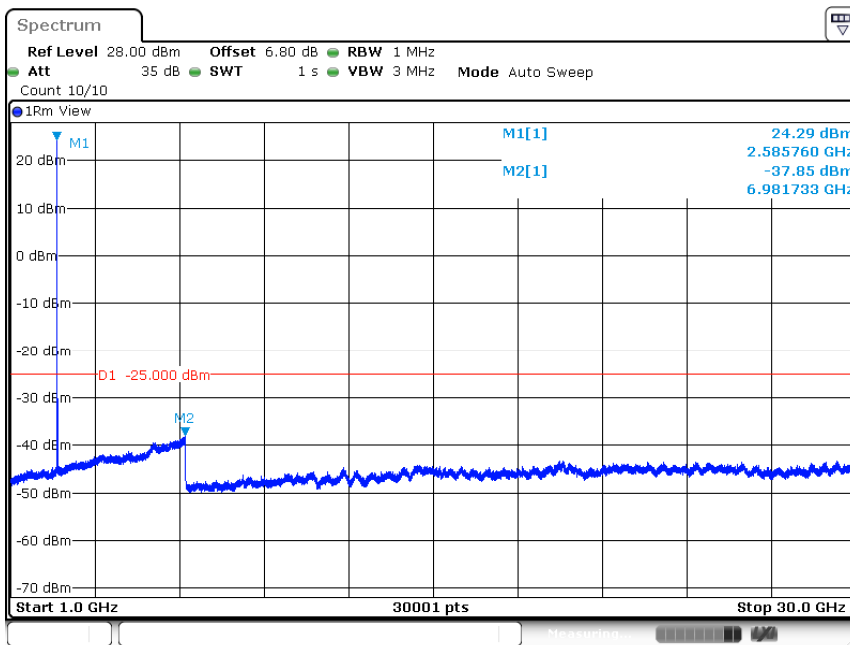


Date: 13.DEC.2020 21:27:43



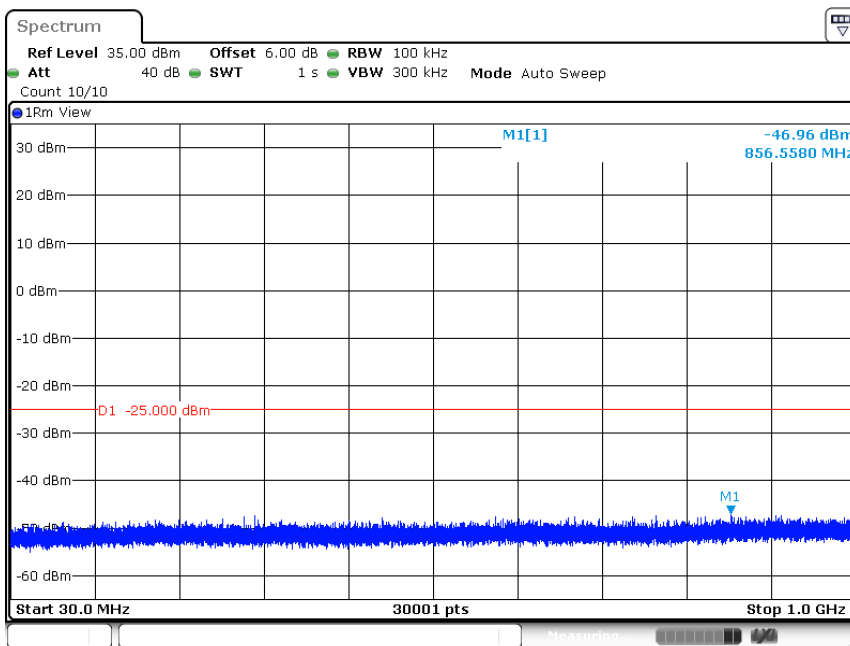
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Band38-20MHz-QPSK-38000-1RB#0-Range2:1000~30000MHz



Date: 13.DEC.2020 21:28:00

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



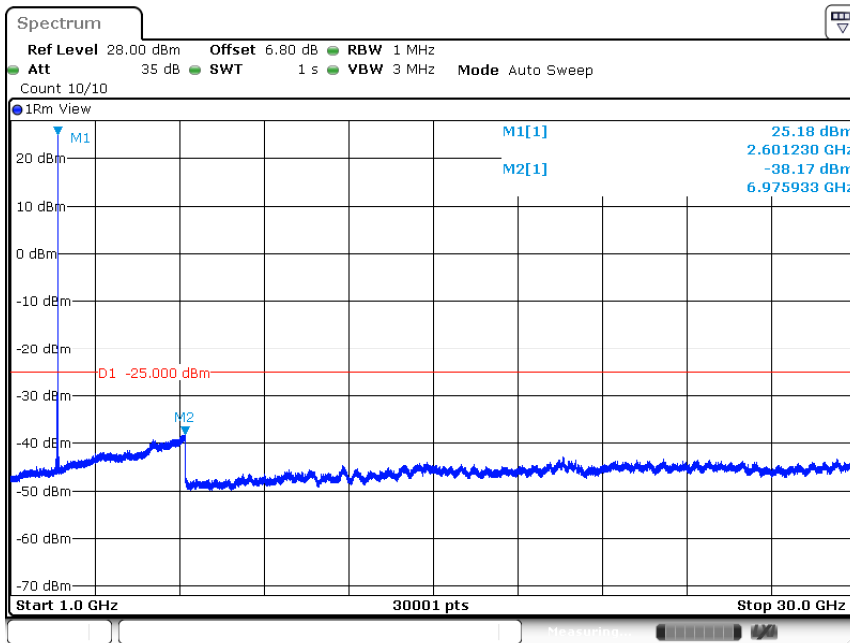
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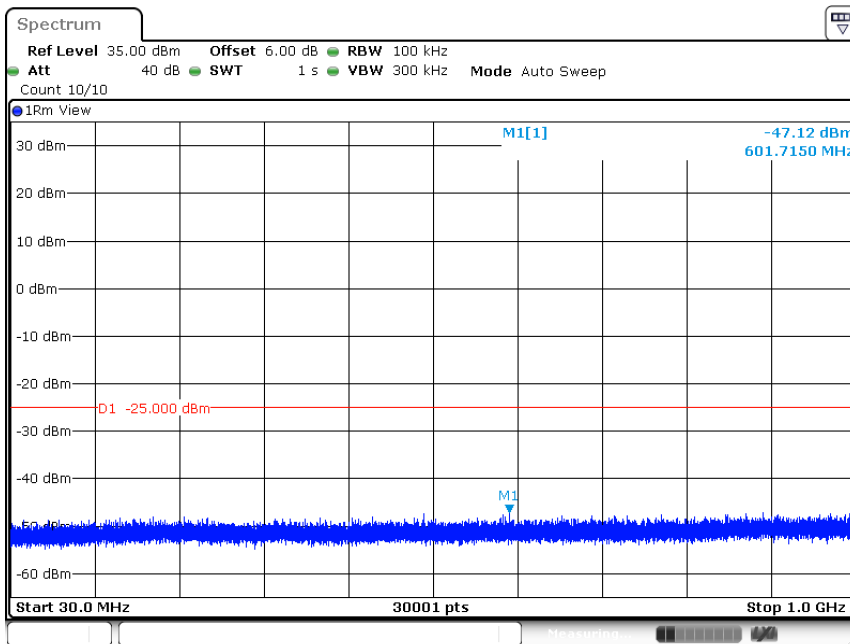
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Band38-20MHz-QPSK-38150-1RB#0-Range2:1000~30000MHz



Date: 13.DEC.2020 21:29:10

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

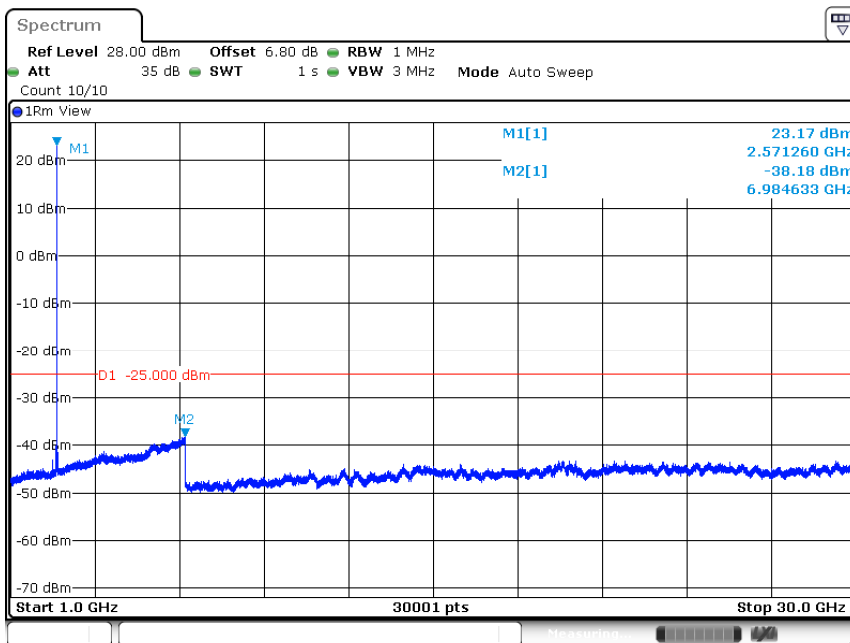


Date: 13.DEC.2020 21:48:04



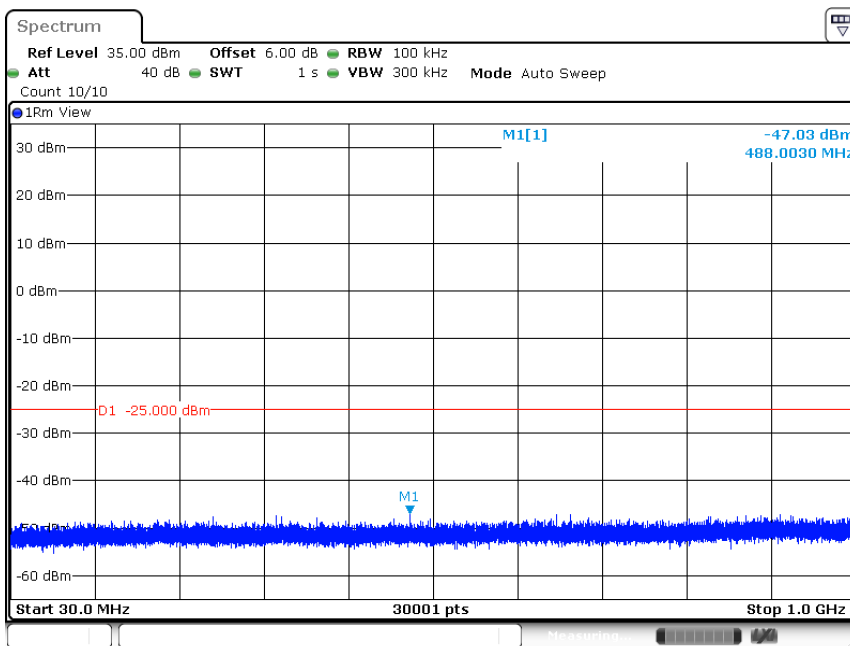
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Band38-20MHz-64QAM-37850-1RB#0-Range2:1000~30000MHz



Date: 13.DEC.2020 21:48:20

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



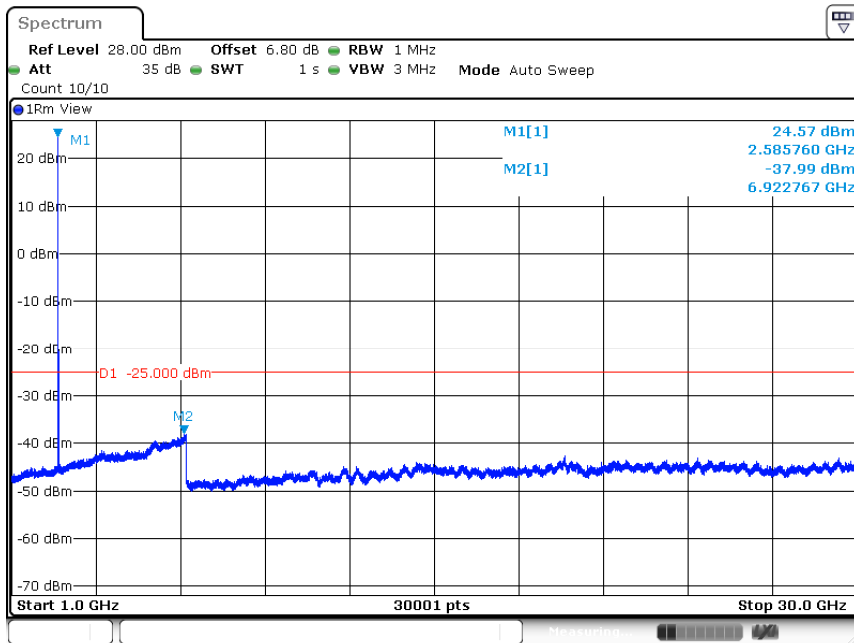
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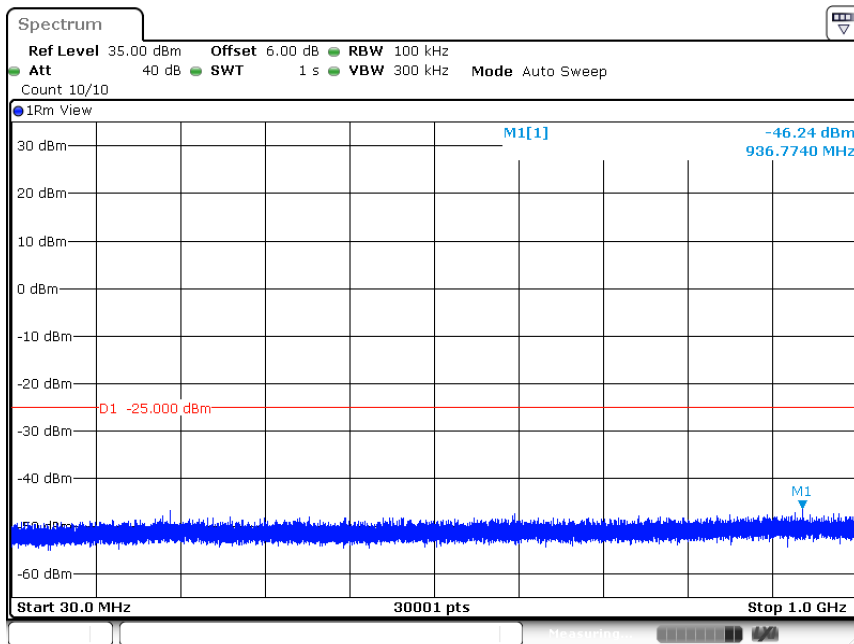
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Band38-20MHz-64QAM-38000-1RB#0-Range2:1000~30000MHz



Date: 13.DEC.2020 21:48:56

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



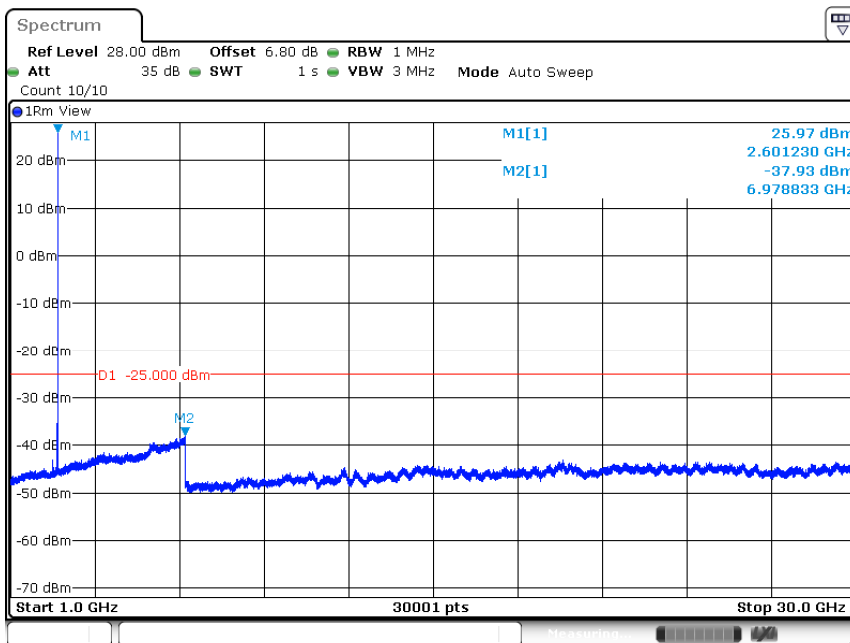
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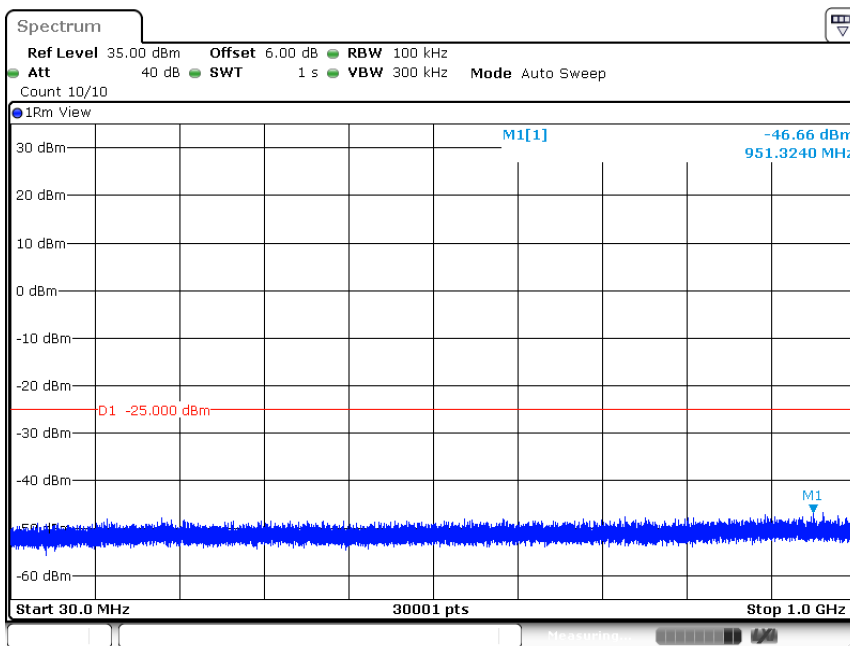
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Band38-20MHz-64QAM-38150-1RB#0-Range2:1000~30000MHz



Date: 13.DEC.2020 21:49:31

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



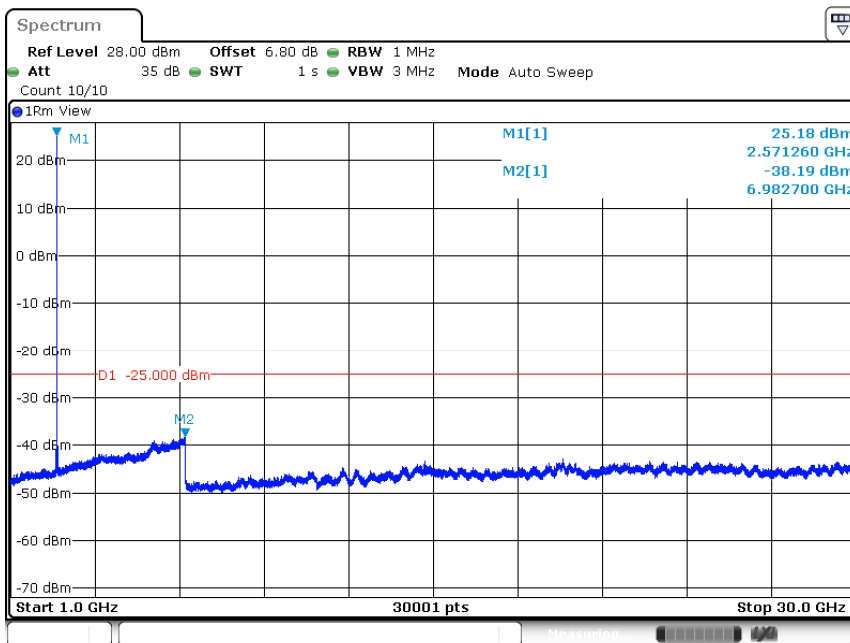
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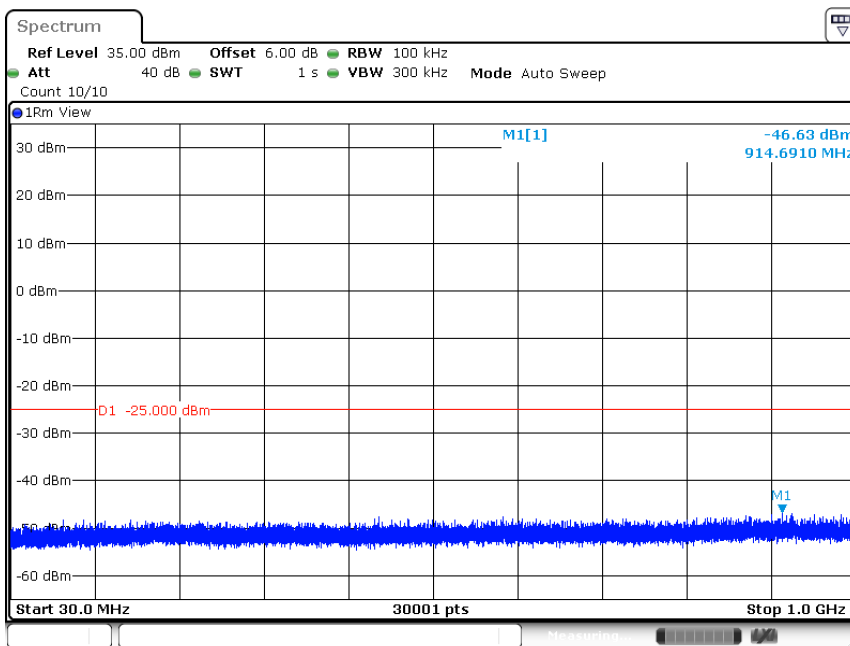
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Band38-20MHz-16QAM-37850-1RB#0-Range2:1000~30000MHz



Date: 13.DEC.2020 21:27:24

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



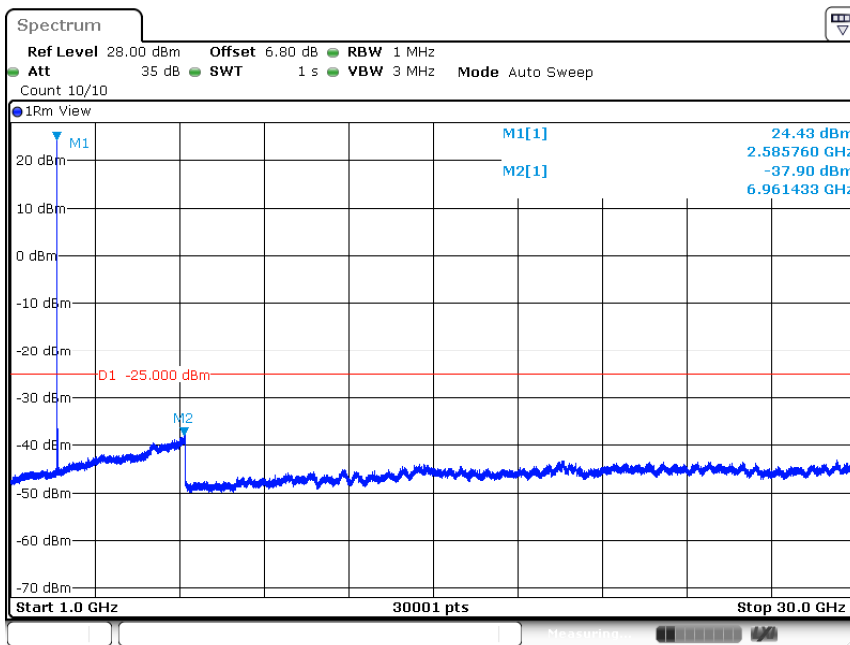
Date: 13.DEC.2020 21:28:18



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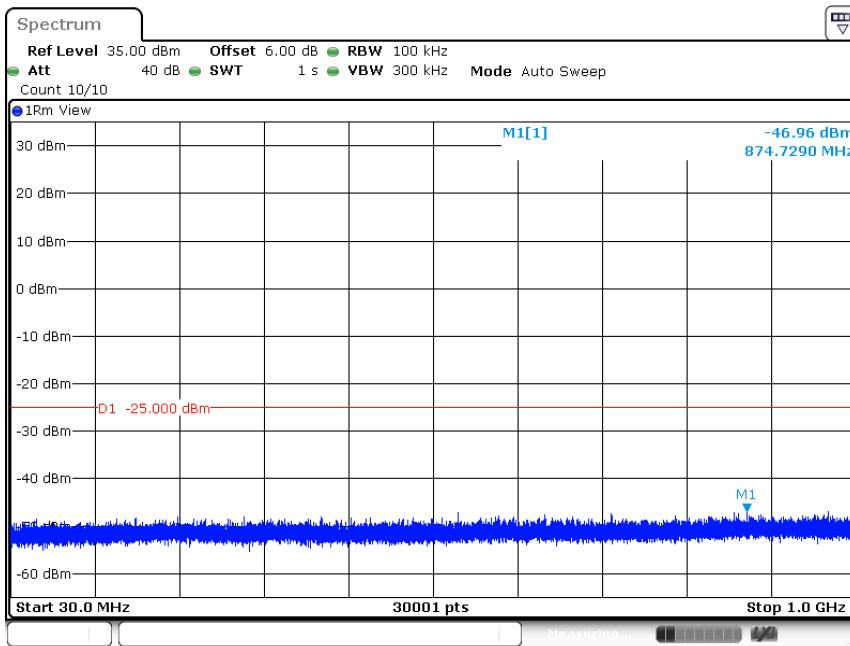
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Band38-20MHz-16QAM-38000-1RB#0-Range2:1000~30000MHz



Date: 13.DEC.2020 21:28:35

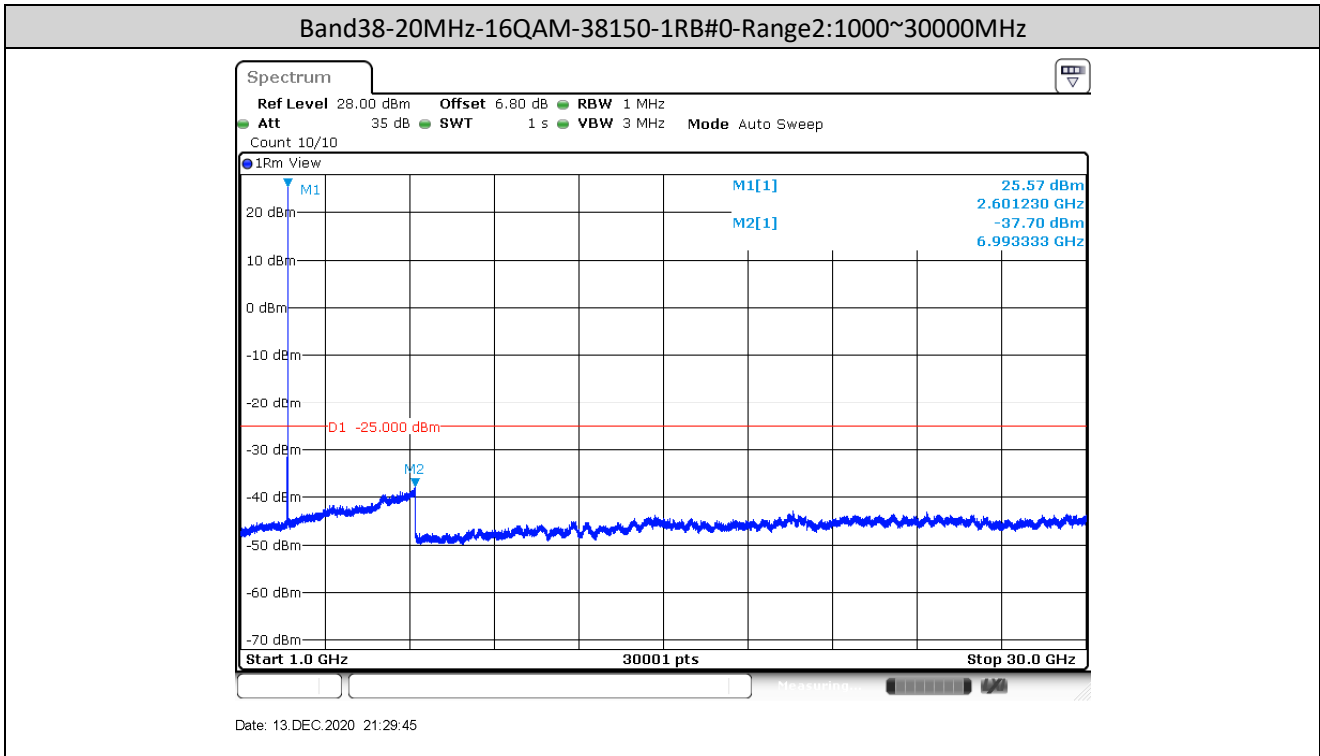
Band38-20MHz-16QAM-38150-1RB#0-Range1:30~1000MHz



Date: 13.DEC.2020 21:29:29



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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz(ANT4)

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.050000	-79.84	-25.00	54.84	Vertical
125.000000	-83.24	-25.00	58.24	Vertical
334.750000	-84.71	-25.00	59.71	Vertical
4830.075000	-64.84	-25.00	39.84	Vertical
7034.550000	-62.90	-25.00	37.90	Vertical
10284.225000	-59.98	-25.00	34.98	Vertical
62.700000	-75.88	-25.00	50.88	Horizontal
91.200000	-86.01	-25.00	61.01	Horizontal
268.350000	-84.97	-25.00	59.97	Horizontal
4430.325000	-64.99	-25.00	39.99	Horizontal
7065.100000	-62.91	-25.00	37.91	Horizontal
10284.225000	-58.62	-25.00	33.62	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.150000	-79.83	-25.00	54.83	Vertical
125.000000	-82.99	-25.00	57.99	Vertical
340.900000	-84.45	-25.00	59.45	Vertical
4347.775000	-65.40	-25.00	40.40	Vertical
6706.950000	-63.40	-25.00	38.40	Vertical
10646.600000	-60.71	-25.00	35.71	Vertical
63.100000	-75.71	-25.00	50.71	Horizontal
208.300000	-85.68	-25.00	60.68	Horizontal
611.104167	-80.68	-25.00	55.68	Horizontal
4300.650000	-65.02	-25.00	40.02	Horizontal
6667.950000	-64.23	-25.00	39.23	Horizontal
10344.350000	-58.94	-25.00	33.94	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
55.000000	-78.39	-25.00	53.39	Vertical
125.000000	-82.95	-25.00	57.95	Vertical
347.300000	-84.34	-25.00	59.34	Vertical
4240.200000	-65.32	-25.00	40.32	Vertical
7803.175000	-60.12	-25.00	35.12	Vertical
10404.475000	-58.86	-25.00	33.86	Vertical
62.350000	-75.15	-25.00	50.15	Horizontal
91.150000	-85.99	-25.00	60.99	Horizontal
320.700000	-85.21	-25.00	60.21	Horizontal
4304.225000	-65.03	-25.00	40.03	Horizontal
7064.450000	-62.85	-25.00	37.85	Horizontal
10404.475000	-59.76	-25.00	34.76	Horizontal

7.2. Test Mode =LTE/TM1 20MHz(ANT3)

7.2.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
56.200000	-79.35	-25.00	54.35	Vertical
125.000000	-83.26	-25.00	58.26	Vertical
334.500000	-83.38	-25.00	58.38	Vertical
5142.075000	-61.72	-25.00	36.72	Vertical
7713.150000	-51.67	-25.00	26.67	Vertical
10284.875000	-58.73	-25.00	33.73	Vertical
62.350000	-75.46	-25.00	50.46	Horizontal
159.200000	-83.33	-25.00	58.33	Horizontal
297.300000	-82.66	-25.00	57.66	Horizontal
5142.400000	-63.85	-25.00	38.85	Horizontal
7712.825000	-60.99	-25.00	35.99	Horizontal
10601.425000	-61.00	-25.00	36.00	Horizontal



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7.2.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.450000	-79.48	-25.00	54.48	Vertical
125.000000	-82.89	-25.00	57.89	Vertical
330.800000	-83.72	-25.00	58.72	Vertical
5171.975000	-63.70	-25.00	38.70	Vertical
7758.325000	-51.66	-25.00	26.66	Vertical
10344.350000	-57.27	-25.00	32.27	Vertical
62.950000	-75.69	-25.00	50.69	Horizontal
159.200000	-83.81	-25.00	58.81	Horizontal
300.200000	-82.88	-25.00	57.88	Horizontal
5171.975000	-62.39	-25.00	37.39	Horizontal
7758.325000	-60.86	-25.00	35.86	Horizontal
10657.650000	-60.64	-25.00	35.64	Horizontal

7.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.450000	-79.71	-25.00	54.71	Vertical
335.600000	-82.60	-25.00	57.60	Vertical
6502.200000	-59.43	-25.00	34.43	Vertical
7803.175000	-56.45	-25.00	31.45	Vertical
9103.500000	-58.76	-25.00	33.76	Vertical
10404.475000	-55.71	-25.00	30.71	Vertical
62.400000	-75.28	-25.00	50.28	Horizontal
90.700000	-81.73	-25.00	56.73	Horizontal
299.300000	-83.79	-25.00	58.79	Horizontal
5201.875000	-62.69	-25.00	37.69	Horizontal
7309.175000	-62.65	-25.00	37.65	Horizontal
10667.400000	-60.60	-25.00	35.60	Horizontal

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- 3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.



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8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage						Verdict
					Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)		
Band38	20MHz	QPSK	37850	100RB#0	VL	NT	-14.90	-0.005775	±2.5	PASS	
Band38	20MHz	QPSK	37850	100RB#0	VN	NT	-10.20	-0.003953	±2.5	PASS	
Band38	20MHz	QPSK	37850	100RB#0	VH	NT	-17.10	-0.006628	±2.5	PASS	
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-9.80	-0.003776	±2.5	PASS	
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-16.70	-0.006435	±2.5	PASS	
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-15.90	-0.006127	±2.5	PASS	
Band38	20MHz	QPSK	38150	100RB#0	VL	NT	-15.70	-0.006015	±2.5	PASS	
Band38	20MHz	QPSK	38150	100RB#0	VN	NT	-31.40	-0.012031	±2.5	PASS	
Band38	20MHz	QPSK	38150	100RB#0	VH	NT	-9.20	-0.003525	±2.5	PASS	
Band38	20MHz	16QAM	37850	100RB#0	VL	NT	-11.90	-0.004612	±2.5	PASS	
Band38	20MHz	16QAM	37850	100RB#0	VN	NT	-14.40	-0.005581	±2.5	PASS	
Band38	20MHz	16QAM	37850	100RB#0	VH	NT	-15.90	-0.006163	±2.5	PASS	
Band38	20MHz	16QAM	38000	100RB#0	VL	NT	-16.60	-0.006397	±2.5	PASS	
Band38	20MHz	16QAM	38000	100RB#0	VN	NT	-6.40	-0.002466	±2.5	PASS	
Band38	20MHz	16QAM	38000	100RB#0	VH	NT	-11.10	-0.004277	±2.5	PASS	
Band38	20MHz	16QAM	38150	100RB#0	VL	NT	-17.10	-0.006552	±2.5	PASS	
Band38	20MHz	16QAM	38150	100RB#0	VN	NT	-13.80	-0.005287	±2.5	PASS	
Band38	20MHz	16QAM	38150	100RB#0	VH	NT	-0.60	-0.000230	±2.5	PASS	
Band38	20MHz	64QAM	37850	100RB#0	VL	NT	-14.60	-0.005659	±2.5	PASS	
Band38	20MHz	64QAM	37850	100RB#0	VN	NT	-18.20	-0.007054	±2.5	PASS	
Band38	20MHz	64QAM	37850	100RB#0	VH	NT	-15.80	-0.006124	±2.5	PASS	
Band38	20MHz	64QAM	38000	100RB#0	VL	NT	-16.10	-0.006204	±2.5	PASS	
Band38	20MHz	64QAM	38000	100RB#0	VN	NT	-13.70	-0.005279	±2.5	PASS	
Band38	20MHz	64QAM	38000	100RB#0	VH	NT	-17.30	-0.006667	±2.5	PASS	
Band38	20MHz	64QAM	38150	100RB#0	VL	NT	-15.80	-0.006054	±2.5	PASS	
Band38	20MHz	64QAM	38150	100RB#0	VN	NT	-15.70	-0.006015	±2.5	PASS	
Band38	20MHz	64QAM	38150	100RB#0	VH	NT	-21.70	-0.008314	±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	-11.10	-0.004302	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-20	-17.70	-0.006860	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-10	-10.30	-0.003992	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	0	-6.10	-0.002364	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	10	-15.90	-0.006163	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	20	-11.70	-0.004535	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	30	-18.60	-0.007209	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	40	-12.70	-0.004922	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	50	-15.70	-0.006085	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-19.90	-0.007669	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	-14.80	-0.005703	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-10	-18.60	-0.007168	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	-18.00	-0.006936	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-6.00	-0.002312	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	-12.20	-0.004701	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-15.50	-0.005973	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-15.40	-0.005934	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	-18.50	-0.007129	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-30	-15.00	-0.005747	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-20	-43.30	-0.016590	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-10	-22.60	-0.008659	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	0	-20.10	-0.007701	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	10	-7.60	-0.002912	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	20	40.80	0.015632	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	30	-12.90	-0.004943	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	40	-2.10	-0.000805	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	50	-11.90	-0.004559	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-30	-14.90	-0.005775	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-20	-16.00	-0.006202	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-10	-15.40	-0.005969	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	0	-15.40	-0.005969	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	10	-12.70	-0.004922	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	20	-11.10	-0.004302	±2.5	PASS



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Band38	20MHz	16QAM	37850	100RB#0	NV	30	-11.60	-0.004496	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	40	-12.60	-0.004884	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	50	-16.70	-0.006473	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-30	-14.90	-0.005742	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-20	-13.40	-0.005164	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-10	-14.80	-0.005703	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	0	-14.60	-0.005626	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	10	-15.10	-0.005819	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	20	-20.00	-0.007707	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	30	-16.20	-0.006243	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	40	-11.00	-0.004239	±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	13.80	0.005287	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-20	-17.10	-0.006552	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-10	-19.70	-0.007548	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	0	-8.70	-0.003333	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	10	-15.80	-0.006054	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	20	-11.20	-0.004291	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	30	-8.90	-0.003410	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	40	-19.30	-0.007395	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	50	-11.90	-0.004559	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-30	-19.40	-0.007519	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-20	-14.10	-0.005465	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-10	-15.80	-0.006124	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	0	-10.80	-0.004186	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	10	-17.40	-0.006744	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	20	-20.60	-0.007984	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	30	-18.00	-0.006977	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	40	-19.30	-0.007481	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	50	-13.60	-0.005271	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-30	-16.20	-0.006243	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-20	-18.30	-0.007052	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-10	-15.60	-0.006012	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	0	-17.50	-0.006744	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	10	-15.40	-0.005934	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	20	-14.80	-0.005703	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	30	-16.60	-0.006397	±2.5	PASS



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Band38	20MHz	64QAM	38000	100RB#0	NV	40	-15.40	-0.005934	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	50	-17.70	-0.006821	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-30	-17.10	-0.006552	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-20	-17.30	-0.006628	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-10	-18.70	-0.007165	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	0	-17.30	-0.006628	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	10	-21.80	-0.008352	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	20	-19.60	-0.007510	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	30	-17.90	-0.006858	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	40	-20.10	-0.007701	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	50	-14.60	-0.005594	±2.5	PASS



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