Appendix B

E-UTRA Band 38

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1 Effective (Isotropic) Radiated Power

1.1 Test Result

ANT1:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	23.43	22.68	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	23.45	22.7	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	23.37	22.62	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	22.37	21.62	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	22.35	21.6	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	22.33	21.58	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.33	21.58	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	23.42	22.67	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	23.42	22.67	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	23.40	22.65	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	22.38	21.63	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	22.35	21.6	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	22.37	21.62	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	22.35	21.6	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	23.38	22.63	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	23.38	22.63	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	23.38	22.63	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	22.32	21.57	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	22.38	21.63	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	22.31	21.56	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	22.33	21.58	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.64	21.89	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.66	21.91	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.61	21.86	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	21.40	20.65	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	21.34	20.59	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	21.33	20.58	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.31	20.56	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	22.65	21.9	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.65	21.9	33.00	PASS

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Band38	5MHz	16QAM	38000	1RB#24	22.64	21.89	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#0	21.45	20.7	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	21.38	20.63	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	21.39	20.64	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	21.34	20.59	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	22.62	21.87	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.59	21.84	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.62	21.87	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#0	21.38	20.63	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#6	21.37	20.62	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	21.34	20.59	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	21.31	20.56	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	21.62	20.87	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	21.62	20.87	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	21.55	20.8	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#0	20.38	19.63	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#6	20.34	19.59	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#13	20.30	19.55	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	20.37	19.62	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	21.62	20.87	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	21.60	20.85	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	21.58	20.83	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#0	20.38	19.63	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#6	20.38	19.63	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#13	20.31	19.56	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	20.40	19.65	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	21.57	20.82	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	21.55	20.8	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	21.56	20.81	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#0	20.32	19.57	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#6	20.31	19.56	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#13	20.33	19.58	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	20.38	19.63	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.39	22.64	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.36	22.61	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.38	22.63	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	22.35	21.6	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	22.28	21.53	33.00	PASS

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Band38	10MHz	QPSK	37800	25RB#25	22.32	21.57	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.36	21.61	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	23.40	22.65	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	23.39	22.64	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	23.36	22.61	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#0	22.35	21.6	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	22.34	21.59	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	22.31	21.56	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	22.39	21.64	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	23.36	22.61	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	23.34	22.59	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	23.33	22.58	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	22.36	21.61	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	22.36	21.61	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	22.32	21.57	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	22.37	21.62	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.63	21.88	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.61	21.86	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.62	21.87	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#0	21.32	20.57	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	21.28	20.53	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	21.31	20.56	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	21.34	20.59	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.63	21.88	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.65	21.9	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.60	21.85	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	21.33	20.58	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	21.27	20.52	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	21.30	20.55	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	21.37	20.62	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.60	21.85	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.60	21.85	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.59	21.84	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	21.31	20.56	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	21.29	20.54	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	21.29	20.54	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	21.37	20.62	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	21.63	20.88	33.00	PASS

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Band38	10MHz	64QAM	37800	1RB#24	21.61	20.86	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#49	21.62	20.87	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#0	20.40	19.65	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#12	20.39	19.64	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#25	20.41	19.66	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	20.32	19.57	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	21.65	20.9	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	21.65	20.9	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	21.60	20.85	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#0	20.39	19.64	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#12	20.37	19.62	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#25	20.39	19.64	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	20.39	19.64	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	21.61	20.86	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	21.62	20.87	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	21.58	20.83	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#0	20.42	19.67	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#12	20.41	19.66	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#25	20.37	19.62	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	20.35	19.6	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.34	22.59	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	23.33	22.58	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	23.30	22.55	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#0	23.33	22.58	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#18	23.33	22.58	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#37	23.36	22.61	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.28	21.53	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	23.35	22.6	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	23.36	22.61	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	23.30	22.55	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#0	23.35	22.6	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#18	23.38	22.63	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#37	23.37	22.62	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.33	21.58	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	23.31	22.56	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	23.35	22.6	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	23.26	22.51	33.00	PASS
Band38	15MHz	QPSK	38175	38RB#0	23.31	22.56	33.00	PASS

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Band38	15MHz	QPSK	38175	38RB#18	23.37	22.62	33.00	PASS
Band38	15MHz	QPSK	38175	38RB#37	23.36	22.61	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	22.35	21.6	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.60	21.85	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.62	21.87	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.58	21.83	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#0	22.60	21.85	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#18	22.62	21.87	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#37	22.62	21.87	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.32	20.57	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.62	21.87	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.65	21.9	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	22.58	21.83	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#0	22.62	21.87	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#18	22.65	21.9	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#37	22.62	21.87	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.34	20.59	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.62	21.87	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	22.64	21.89	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.55	21.8	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#0	22.62	21.87	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#18	22.65	21.9	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#37	22.61	21.86	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	21.34	20.59	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	21.60	20.85	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	21.61	20.86	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	21.58	20.83	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#0	21.60	20.85	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#18	21.60	20.85	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#37	21.61	20.86	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	20.31	19.56	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	21.61	20.86	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	21.63	20.88	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	21.58	20.83	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#0	21.62	20.87	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#18	21.65	20.9	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#37	21.63	20.88	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	20.32	19.57	33.00	PASS

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Band38	15MHz	64QAM	38175	1RB#0	21.58	20.83	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	21.64	20.89	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	21.55	20.8	33.00	PASS
Band38	15MHz	64QAM	38175	38RB#0	21.59	20.84	33.00	PASS
Band38	15MHz	64QAM	38175	38RB#18	21.65	20.9	33.00	PASS
Band38	15MHz	64QAM	38175	38RB#37	21.61	20.86	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	20.34	19.59	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	23.32	22.57	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.40	22.65	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	23.26	22.51	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	22.35	21.6	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	22.37	21.62	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#50	22.29	21.54	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	22.29	21.54	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	23.27	22.52	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.39	22.64	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	23.30	22.55	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	22.38	21.63	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#25	22.39	21.64	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	22.34	21.59	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	22.36	21.61	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	23.35	22.6	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.37	22.62	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	23.25	22.5	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	22.41	21.66	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	22.43	21.68	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	22.36	21.61	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	22.36	21.61	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.57	21.82	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.66	21.91	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	22.53	21.78	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	21.37	20.62	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.36	20.61	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	21.29	20.54	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	21.38	20.63	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	22.53	21.78	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	22.65	21.9	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	22.56	21.81	33.00	PASS

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Band38	20MHz	16QAM	38000	50RB#0	21.38	20.63	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	21.40	20.65	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	21.39	20.64	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	21.40	20.65	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	22.60	21.85	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	22.63	21.88	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	22.51	21.76	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	21.42	20.67	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	21.41	20.66	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	21.36	20.61	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	21.40	20.65	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	21.58	20.83	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	21.68	20.93	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	21.53	20.78	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#0	20.32	19.57	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#25	20.39	19.64	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#50	20.28	19.53	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	20.31	19.56	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	21.54	20.79	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	21.64	20.89	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	21.56	20.81	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#0	20.35	19.6	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#25	20.34	19.59	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#50	20.36	19.61	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	20.34	19.59	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	21.59	20.84	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#49	21.64	20.89	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	21.49	20.74	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#0	20.37	19.62	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#25	20.42	19.67	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#50	20.39	19.64	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	20.34	19.59	33.00	PASS

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ANT2：

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	22.59	19.39	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	22.63	19.43	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.62	19.42	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	21.58	18.38	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	21.56	18.36	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	21.61	18.41	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	21.58	18.38	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.51	19.31	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	22.57	19.37	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	22.54	19.34	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.58	18.38	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	21.55	18.35	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.53	18.33	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	21.52	18.32	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.56	19.36	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	22.53	19.33	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.61	19.41	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.54	18.34	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.55	18.35	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.52	18.32	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.57	18.37	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.64	18.44	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.60	18.4	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.63	18.43	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.53	17.33	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.46	17.26	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.51	17.31	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.61	17.41	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.53	18.33	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.53	18.33	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.54	18.34	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.50	17.3	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.50	17.3	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.47	17.27	33.00	PASS

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Band38	5MHz	16QAM	38000	25RB#0	20.54	17.34	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.62	18.42	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.52	18.32	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.55	18.35	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.53	17.33	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.46	17.26	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.50	17.3	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.57	17.37	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	20.54	17.34	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	20.48	17.28	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	20.50	17.3	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#0	19.62	16.42	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#6	19.77	16.57	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#13	19.63	16.43	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	19.70	16.5	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	20.62	17.42	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	20.61	17.41	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	20.72	17.52	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#0	19.69	16.49	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#6	19.62	16.42	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#13	19.74	16.54	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	19.77	16.57	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	20.70	17.5	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	20.66	17.46	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	20.60	17.4	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#0	19.71	16.51	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#6	19.77	16.57	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#13	19.64	16.44	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	19.77	16.57	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.61	19.41	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.59	19.39	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.66	19.46	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.55	18.35	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.59	18.39	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#25	21.55	18.35	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	21.59	18.39	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.54	19.34	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.55	19.35	33.00	PASS

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Band38	10MHz	QPSK	38000	1RB#49	22.52	19.32	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#0	21.52	18.32	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.57	18.37	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.55	18.35	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.55	18.35	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.56	19.36	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.53	19.33	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.56	19.36	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.56	18.36	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.57	18.37	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.56	18.36	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.54	18.34	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	21.60	18.4	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	21.61	18.41	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	21.61	18.41	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.56	17.36	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.63	17.43	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.64	17.44	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.65	17.45	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.58	18.38	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.60	18.4	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.54	18.34	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.56	17.36	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.61	17.41	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.55	17.35	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.59	17.39	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.50	18.3	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.57	18.37	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.56	18.36	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.62	17.42	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.59	17.39	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.59	17.39	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.53	17.33	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	20.59	17.39	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	20.62	17.42	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#49	20.64	17.44	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#0	19.66	16.46	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#12	19.69	16.49	33.00	PASS

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Band38	10MHz	64QAM	37800	25RB#25	19.72	16.52	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	19.73	16.53	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	20.65	17.45	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	20.47	17.27	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	20.62	17.42	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#0	19.71	16.51	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#12	19.76	16.56	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#25	19.70	16.5	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	19.64	16.44	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	20.48	17.28	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	20.70	17.5	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	20.51	17.31	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#0	19.62	16.42	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#12	19.64	16.44	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#25	19.75	16.55	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	19.77	16.57	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.59	19.39	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.66	19.46	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.64	19.44	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#0	21.57	18.37	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#18	21.59	18.39	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#37	21.61	18.41	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	21.54	18.34	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.59	19.39	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.62	19.42	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.52	19.32	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#0	21.50	18.3	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#18	21.56	18.36	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#37	21.50	18.3	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.54	18.34	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.49	19.29	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.61	19.41	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.54	19.34	33.00	PASS
Band38	15MHz	QPSK	38175	38RB#0	21.52	18.32	33.00	PASS
Band38	15MHz	QPSK	38175	38RB#18	21.51	18.31	33.00	PASS
Band38	15MHz	QPSK	38175	38RB#37	21.47	18.27	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.47	18.27	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	21.59	18.39	33.00	PASS

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Band38	15MHz	16QAM	37825	1RB#38	21.59	18.39	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.62	18.42	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#0	20.53	17.33	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#18	20.59	17.39	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#37	20.52	17.32	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.59	17.39	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.54	18.34	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.59	18.39	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.53	18.33	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#0	20.49	17.29	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#18	20.46	17.26	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#37	20.47	17.27	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.57	17.37	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.55	18.35	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.54	18.34	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.53	18.33	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#0	20.47	17.27	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#18	20.45	17.25	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#37	20.43	17.23	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.48	17.28	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	20.41	17.21	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	20.45	17.25	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	20.54	17.34	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#0	19.68	16.48	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#18	19.62	16.42	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#37	19.64	16.44	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	19.66	16.46	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	20.54	17.34	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	20.58	17.38	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	20.42	17.22	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#0	19.73	16.53	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#18	19.64	16.44	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#37	19.77	16.57	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	19.65	16.45	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	20.58	17.38	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	20.57	17.37	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	20.47	17.27	33.00	PASS
Band38	15MHz	64QAM	38175	38RB#0	19.64	16.44	33.00	PASS

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Band38	15MHz	64QAM	38175	38RB#37	19.72	16.52	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	19.66	16.46	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.55	19.35	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.68	19.48	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.60	19.4	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	21.61	18.41	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.58	18.38	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.61	18.41	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.61	18.41	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.52	19.32	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.56	19.36	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.50	19.3	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.52	18.32	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#25	21.59	18.39	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.49	18.29	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.50	18.3	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.41	19.21	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	22.54	19.34	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.45	19.25	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.51	18.31	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.56	18.36	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.53	18.33	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.48	18.28	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.53	18.33	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.67	18.47	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.56	18.36	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.67	17.47	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	20.59	17.39	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.58	17.38	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.54	17.34	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.55	18.35	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.61	18.41	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.49	18.29	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.53	17.33	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.54	17.34	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.53	17.33	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.56	17.36	33.00	PASS

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Band38	20MHz	16QAM	38150	1RB#0	21.53	18.33	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.52	18.32	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.50	18.3	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.53	17.33	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.59	17.39	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.54	17.34	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.57	17.37	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	20.72	17.52	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	20.53	17.33	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	20.65	17.45	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#0	19.73	16.53	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#25	19.75	16.55	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#50	19.62	16.42	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	19.66	16.46	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	20.61	17.41	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	20.67	17.47	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	20.70	17.5	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#0	19.76	16.56	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#25	19.75	16.55	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#50	19.75	16.55	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	19.72	16.52	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	20.70	17.5	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#49	20.59	17.39	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	20.56	17.36	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#0	19.71	16.51	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#25	19.69	16.49	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#50	19.63	16.43	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	19.66	16.46	33.00	PASS

Remark:

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

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]

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2 Peak-to-Average Ratio (CCDF)

2.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	8.70	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	8.72	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	8.90	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.57	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.57	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.88	13	PASS
Band38	20MHz	64QAM	37850	100RB#0	9.83	13	PASS
Band38	20MHz	64QAM	38000	100RB#0	9.74	13	PASS
Band38	20MHz	64QAM	38150	100RB#0	9.74	13	PASS

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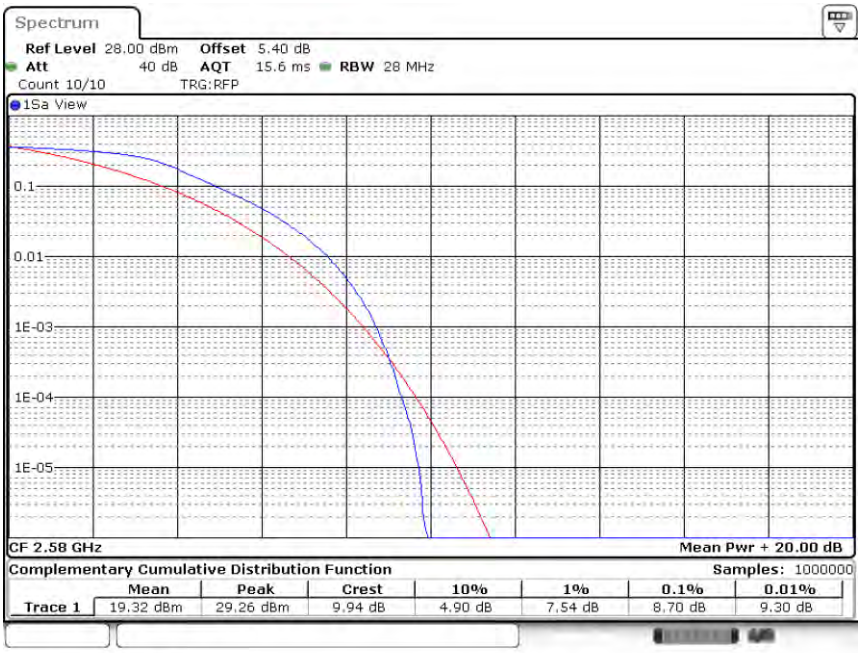
2.2 Test Plots

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



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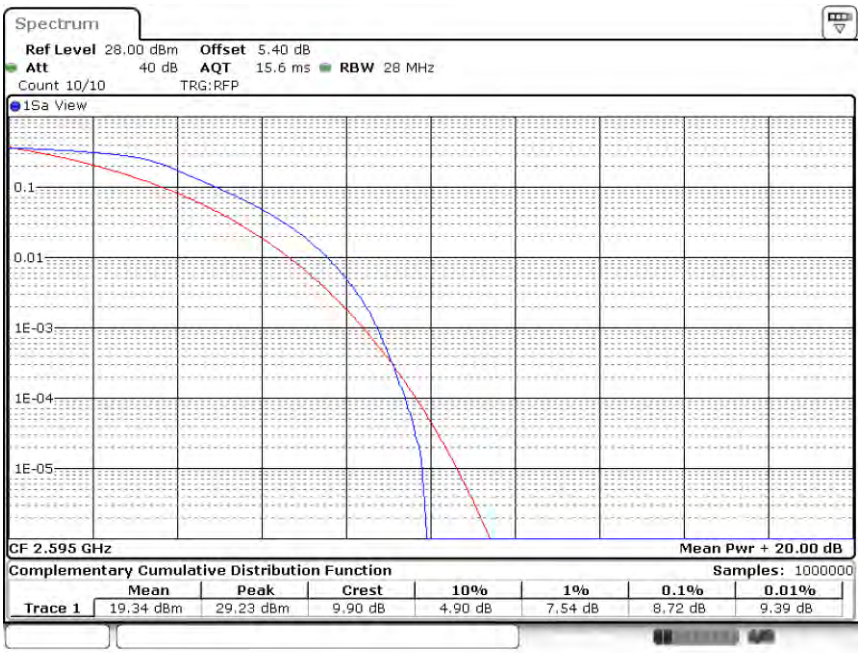
Band38-20MHz-QPSK-38000-100RB#0



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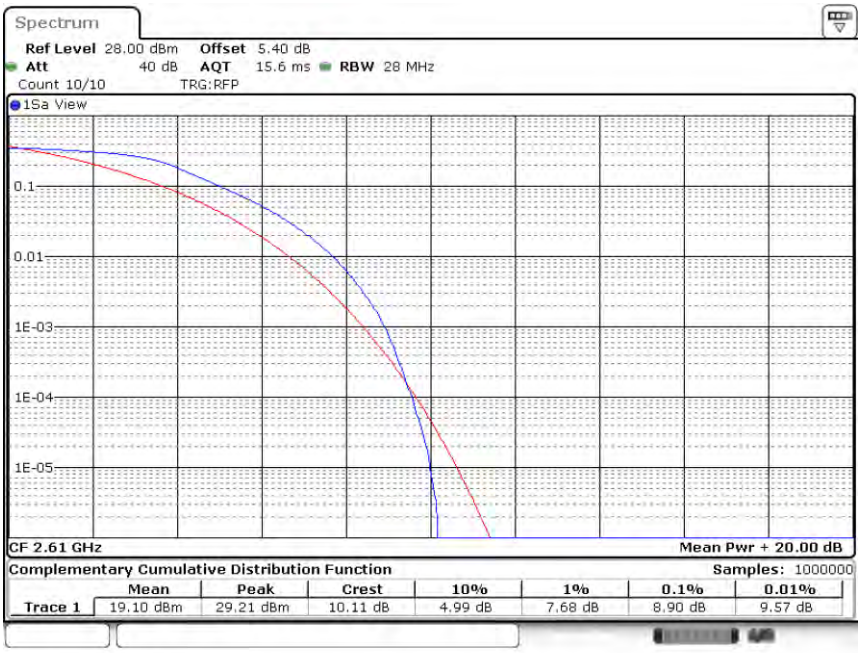
Band38-20MHz-QPSK-38150-100RB#0



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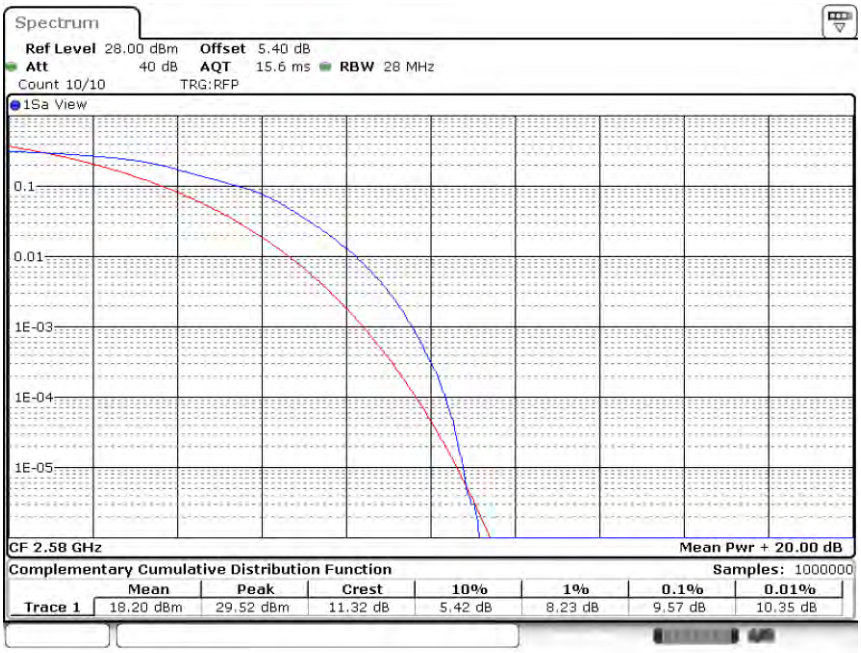
Band38-20MHz-16QAM-37850-100RB#0



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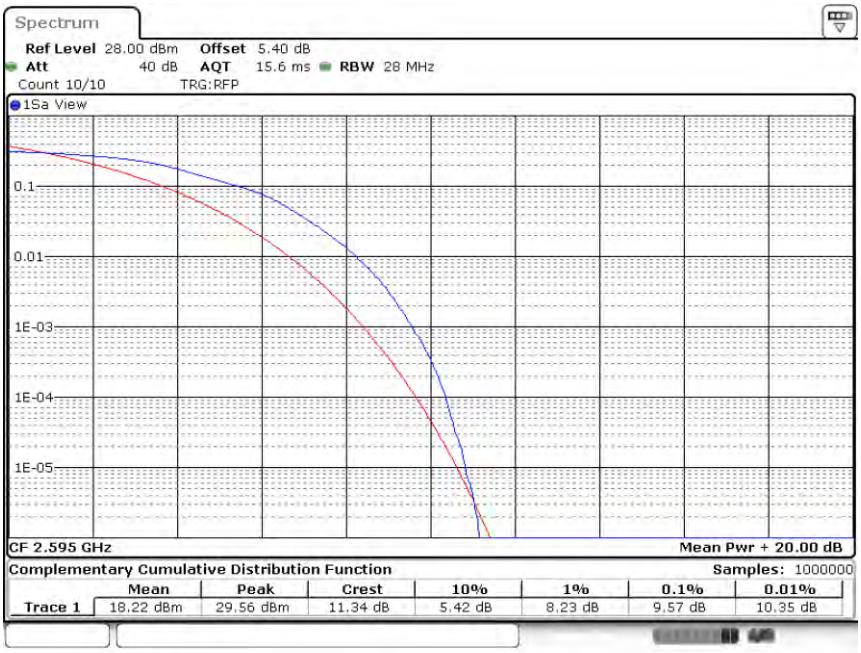
Band38-20MHz-16QAM-38000-100RB#0



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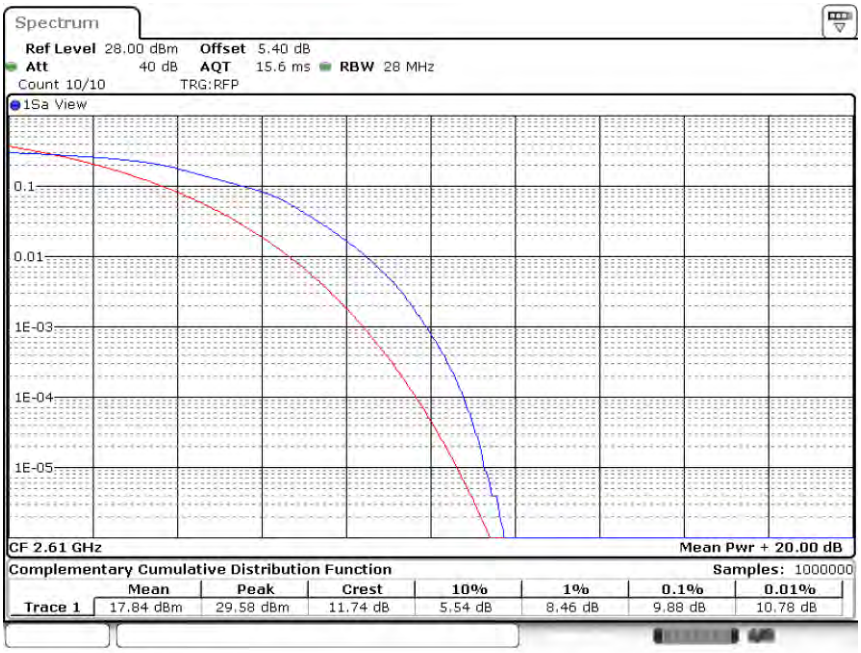
Band38-20MHz-16QAM-38150-100RB#0



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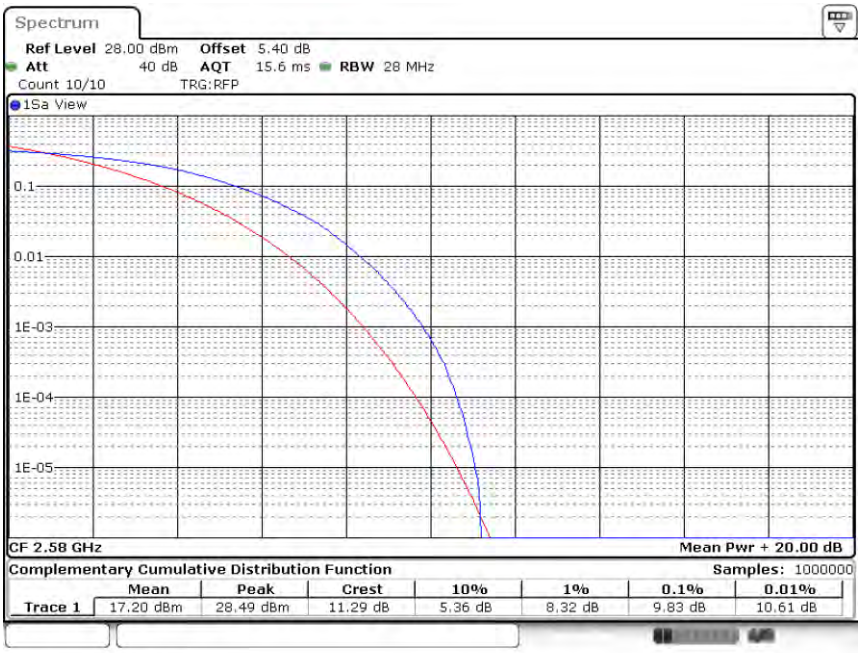
Band38-20MHz-64QAM-37850-100RB#0



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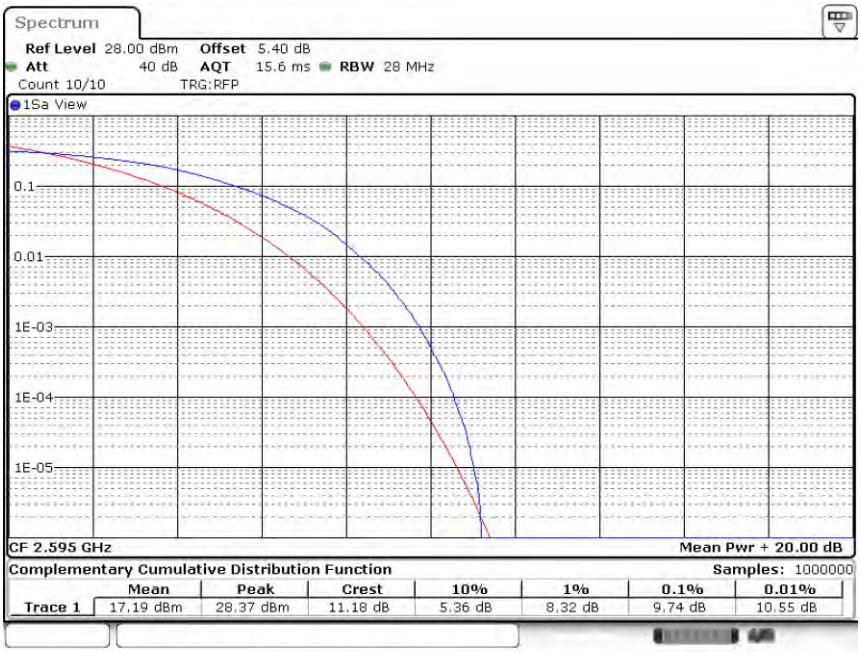
Band38-20MHz-64QAM-38000-100RB#0



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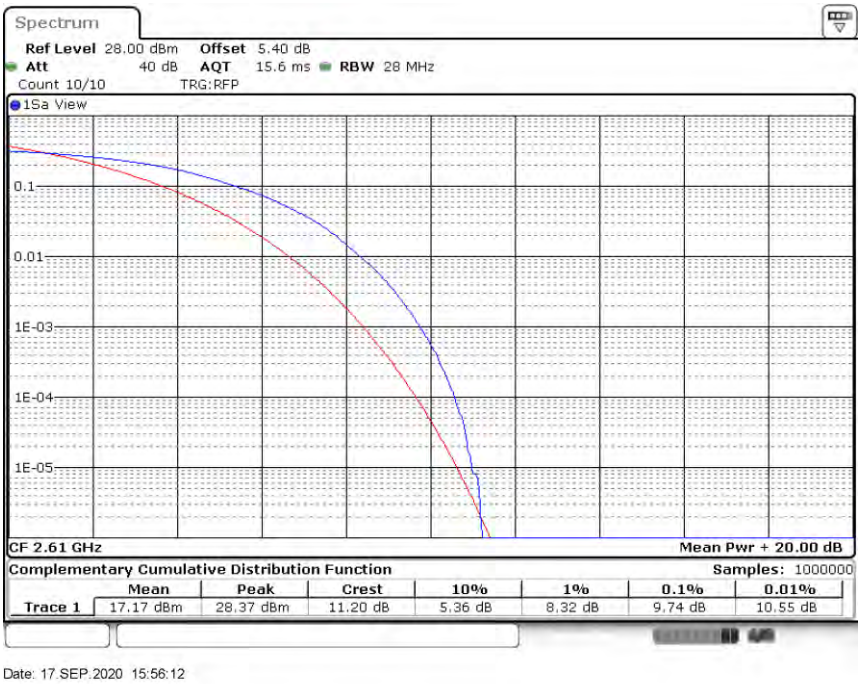
Band38-20MHz-64QAM-38150-100RB#0



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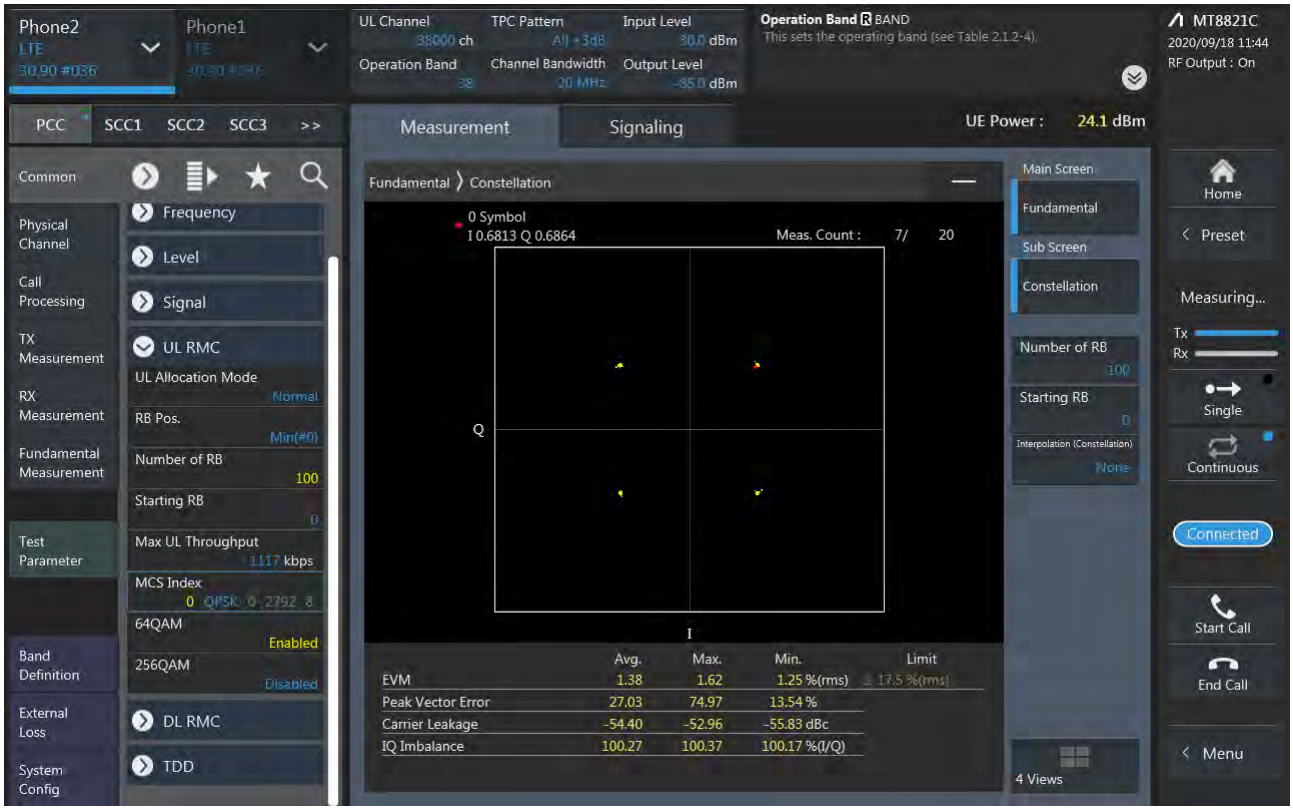
3 Modulation Characteristics

3.1 Test Mode = LTE /TM1 20MHz

3.1.1 Test Channel = MCH



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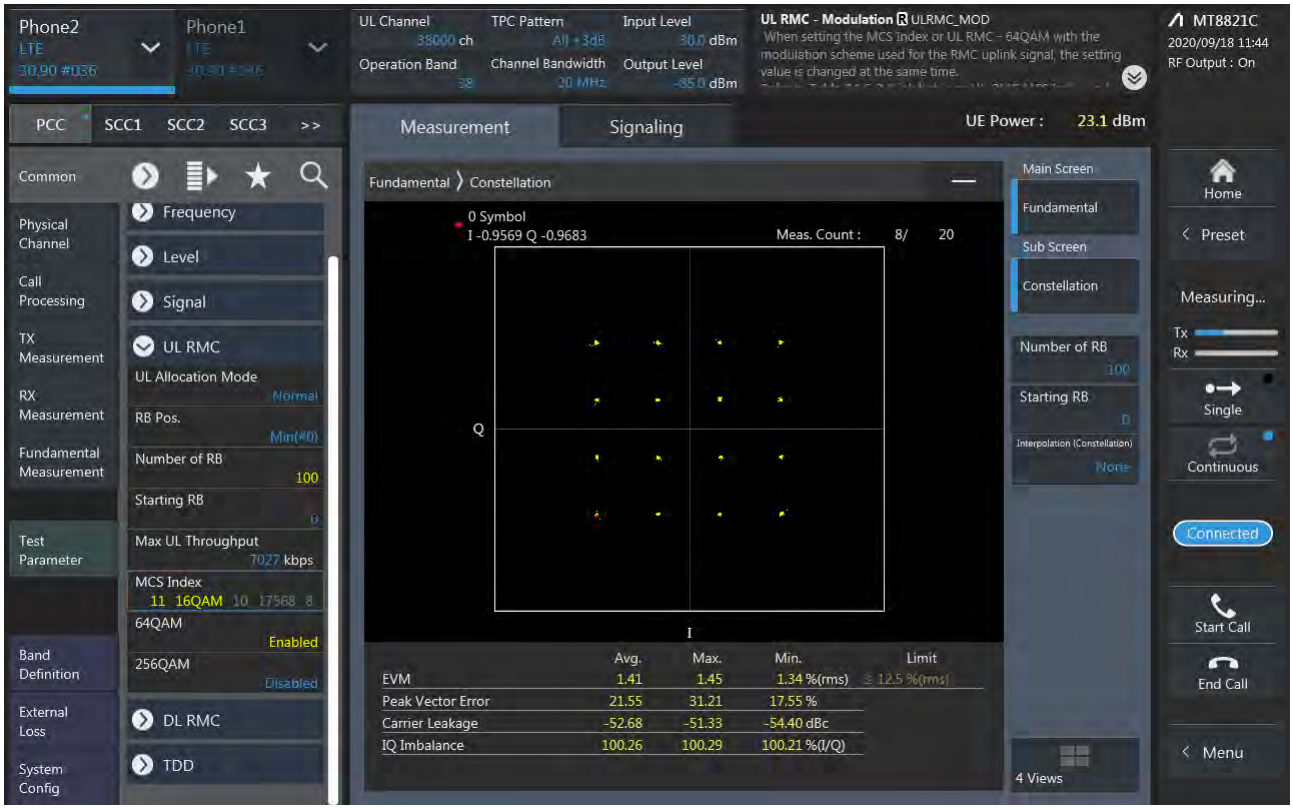
3.2 Test Mode = LTE /TM2 20MHz

3.2.1 Test Channel = MCH



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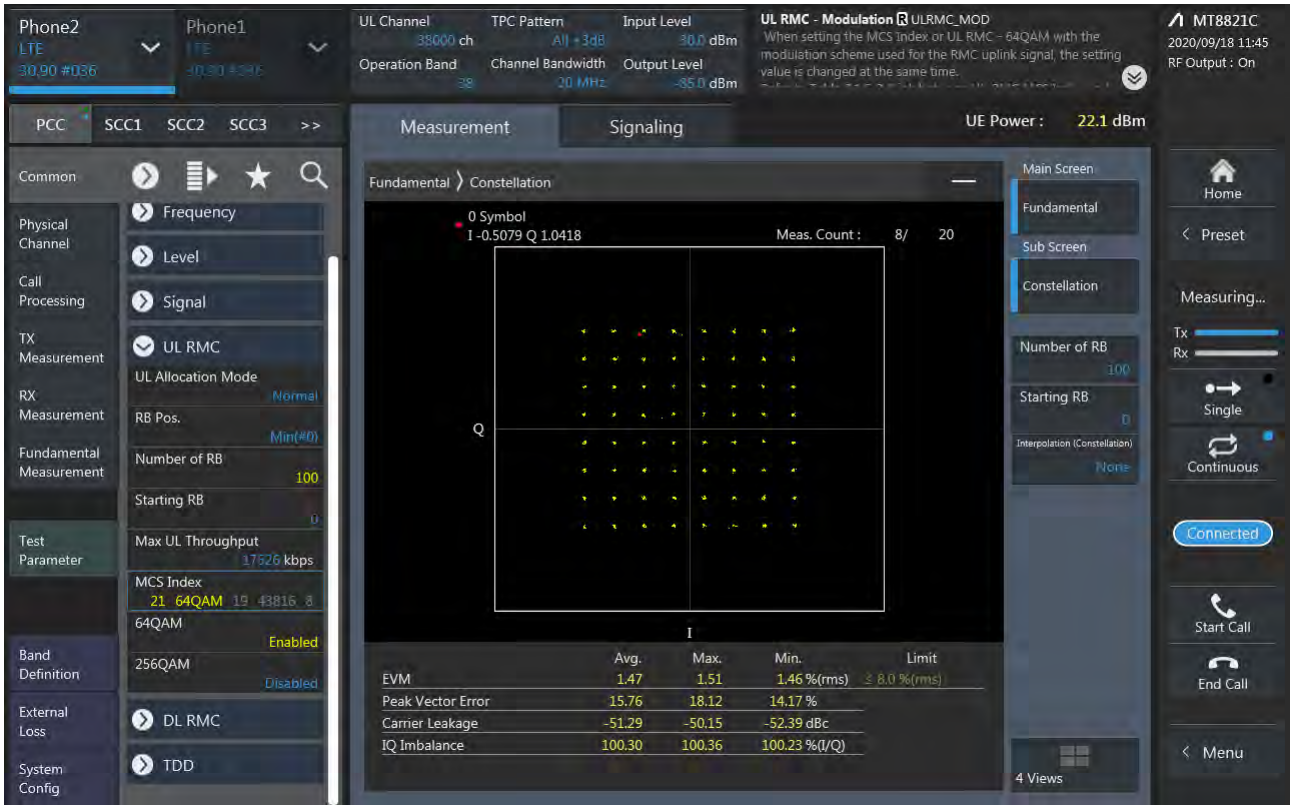
3.3 Test Mode = LTE /TM3 20MHz

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	4.890	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.476	4.870	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.466	4.880	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.496	4.890	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.496	4.900	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.496	4.890	PASS
Band38	5MHz	64QAM	37775	25RB#0	4.486	4.990	PASS
Band38	5MHz	64QAM	38000	25RB#0	4.486	4.980	PASS
Band38	5MHz	64QAM	38225	25RB#0	4.486	5.000	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.918	9.867	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.918	9.800	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.918	9.767	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.952	9.967	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.952	10.033	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.918	9.867	PASS
Band38	10MHz	64QAM	37800	50RB#0	8.952	10.100	PASS
Band38	10MHz	64QAM	38000	50RB#0	8.952	10.400	PASS
Band38	10MHz	64QAM	38200	50RB#0	8.952	10.100	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.527	16.300	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.502	16.870	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.527	17.050	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.478	15.950	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.527	16.700	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.527	16.950	PASS
Band38	15MHz	64QAM	37825	75RB#0	13.478	15.150	PASS
Band38	15MHz	64QAM	38000	75RB#0	13.478	15.250	PASS
Band38	15MHz	64QAM	38175	75RB#0	13.478	15.400	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.97	21.133	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.97	20.667	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.97	20.267	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.903	19.333	PASS

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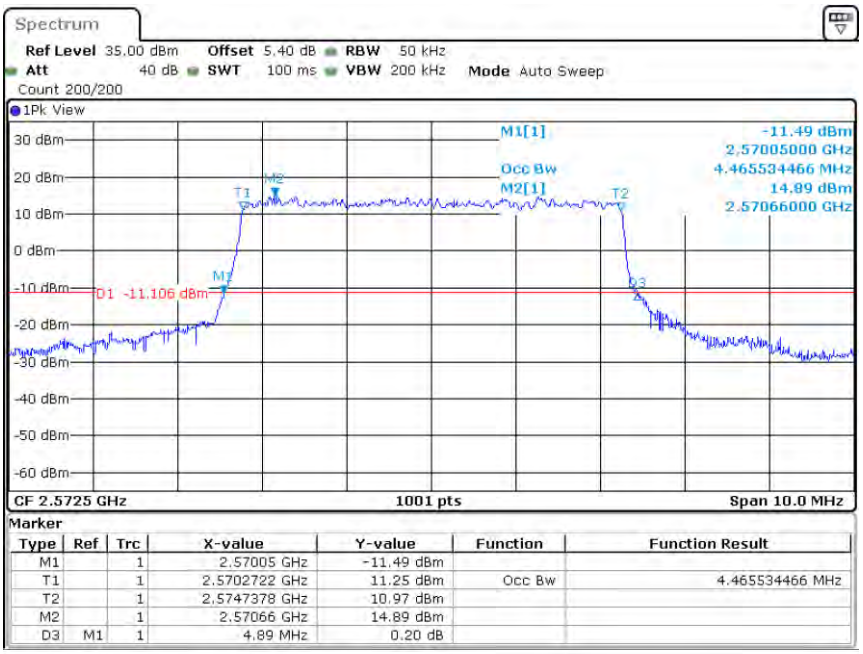
Band38	20MHz	16QAM	38000	100RB#0	17.903	19.267	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.903	19.333	PASS
Band38	20MHz	64QAM	37850	100RB#0	17.97	19.467	PASS
Band38	20MHz	64QAM	38000	100RB#0	17.903	19.467	PASS
Band38	20MHz	64QAM	38150	100RB#0	17.903	19.400	PASS

4.2 Test Plots

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



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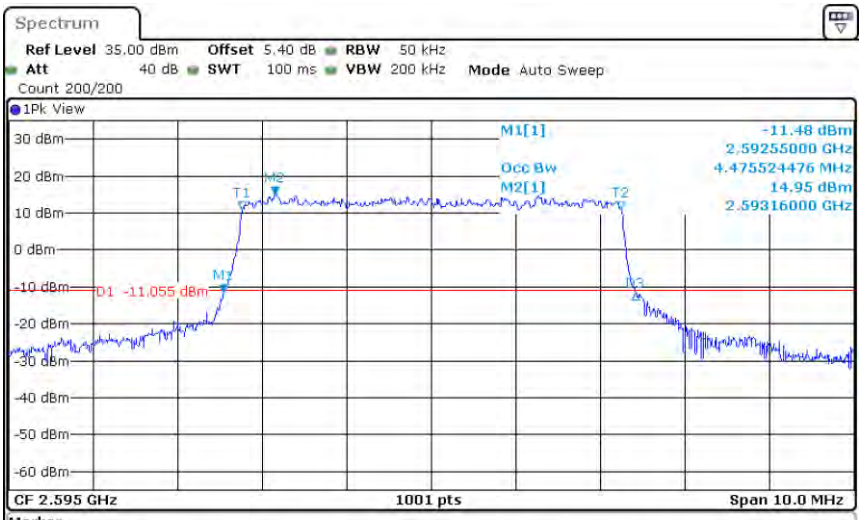
Band38-5MHz-QPSK-38000-25RB#0-4.476

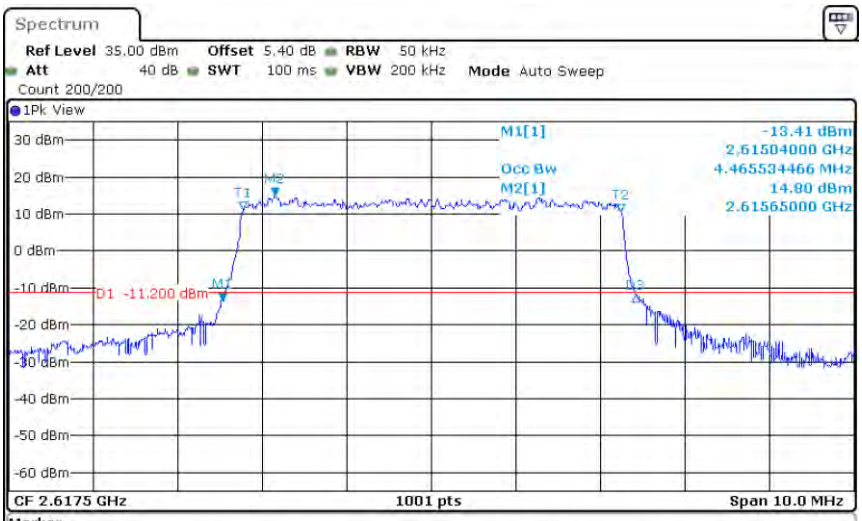


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.59255 GHz	-11.48 dBm		
T1		1	2.5927622 GHz	10.85 dBm	Occ Bw	4.475524476 MHz
T2		1	2.5972378 GHz	10.80 dBm		
M2		1	2.59316 GHz	14.95 dBm		
D3	M1	1	4.87 MHz	-0.15 dB		

Date: 15.SEP.2020 14:11:09

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.61504 GHz	-13.41 dBm		
T1		1	2.6152722 GHz	11.11 dBm	Occ Bw	4.465534466 MHz
T2		1	2.6197378 GHz	10.72 dBm		
M2		1	2.61565 GHz	14.80 dBm		
D3	M1	1	4.88 MHz	1.68 dB		

Date: 15.SEP.2020 14:12:20

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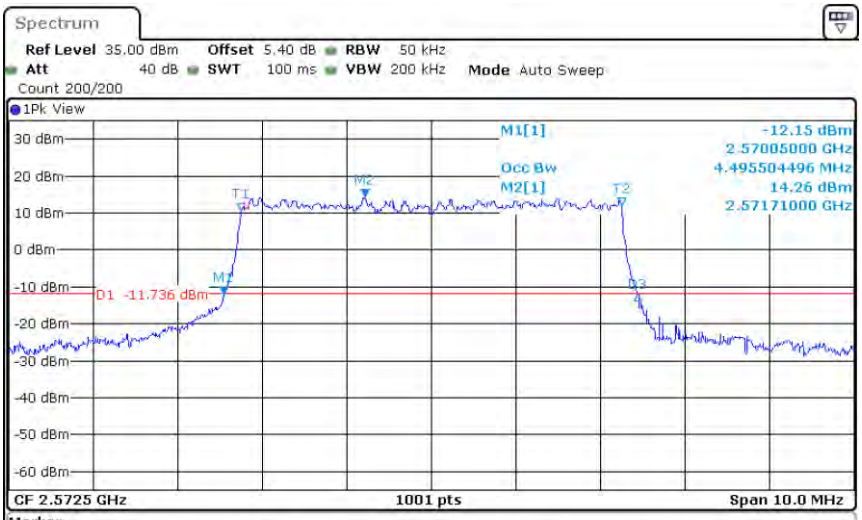
Band38-5MHz-16QAM-37775-25RB#0-4.496

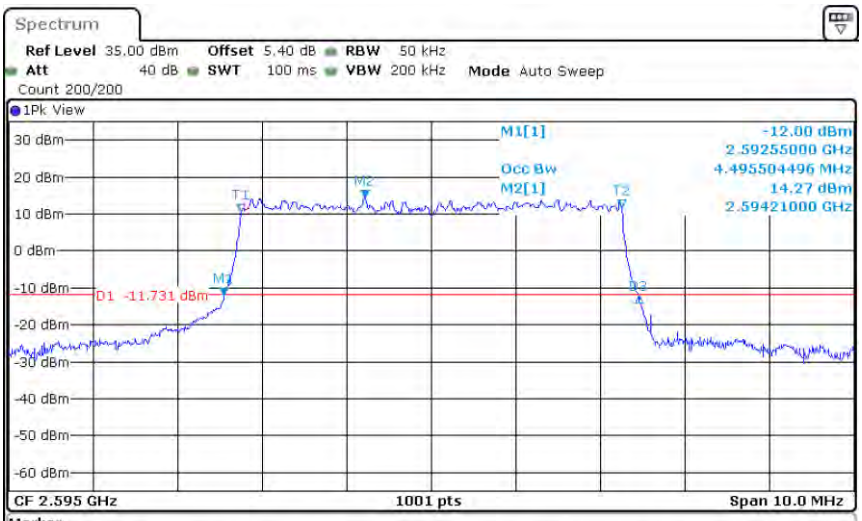


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.57005 GHz	-12.15 dBm		
T1		1	2.5702522 GHz	10.58 dBm	Occ Bw	4.495504496 MHz
T2		1	2.5747478 GHz	12.00 dBm		
M2		1	2.57171 GHz	14.26 dBm		
D3	M1	1	4.89 MHz	0.25 dB		

Date: 15.SEP.2020 14:10:33

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.59255 GHz	-12.00 dBm		
T1		1	2.5927522 GHz	10.58 dBm	Occ Bw	4.495504496 MHz
T2		1	2.5972478 GHz	11.73 dBm		
M2		1	2.59421 GHz	14.27 dBm		
D3	M1	1	4.9 MHz	-0.18 dB		

Date: 15.SEP.2020 14:11:44

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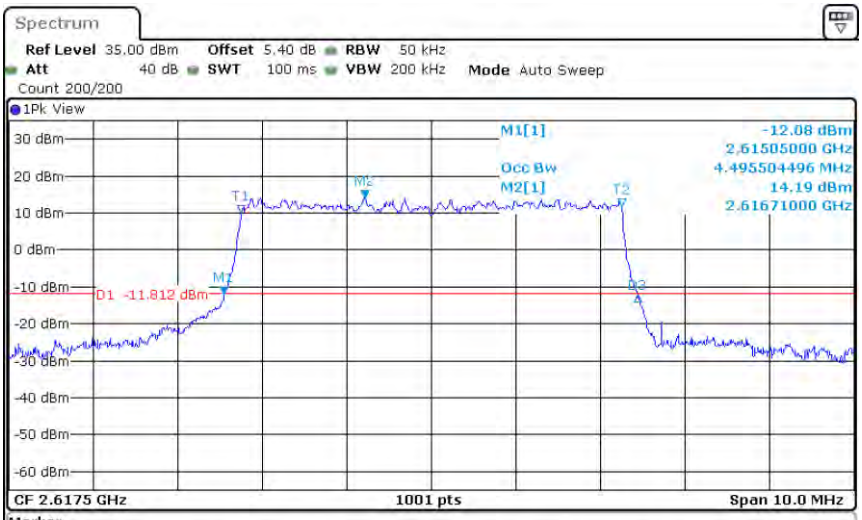
Band38-5MHz-16QAM-38225-25RB#0-4.496

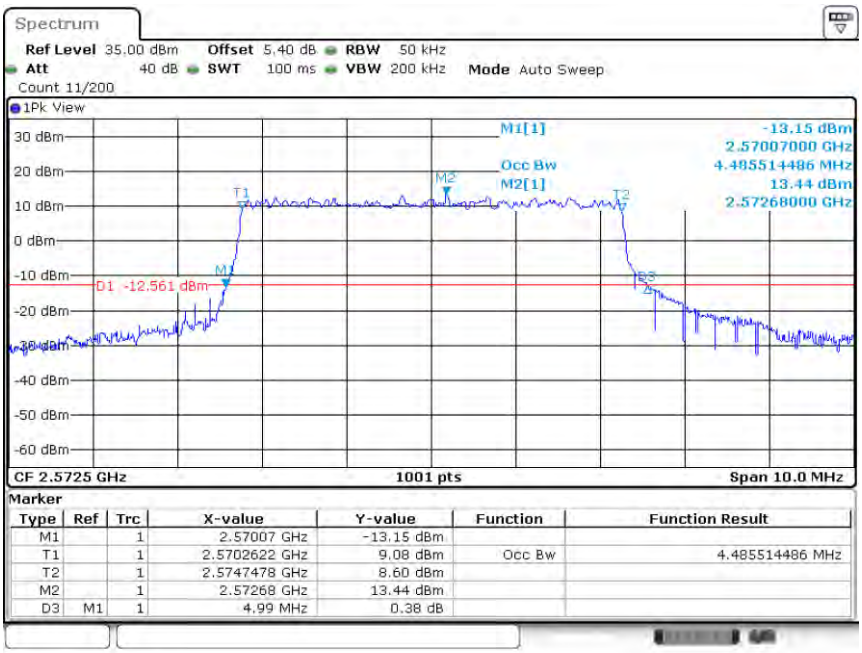


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.61505 GHz	-12.08 dBm		
T1		1	2.6152522 GHz	10.01 dBm	Occ Bw	4.495504496 MHz
T2		1	2.6197478 GHz	11.87 dBm		
M2		1	2.61671 GHz	14.19 dBm		
D3	M1	1	4.89 MHz	0.04 dB		

Date: 15.SEP.2020 14:12:56

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.57007 GHz	-13.15 dBm		
T1		1	2.5702622 GHz	9.08 dBm	Occ Bw	4.485514486 MHz
T2		1	2.5747478 GHz	8.60 dBm		
M2		1	2.57268 GHz	13.44 dBm		
D3	M1	1	4.99 MHz	0.38 dB		

Date: 17.SEP.2020 15:31:22

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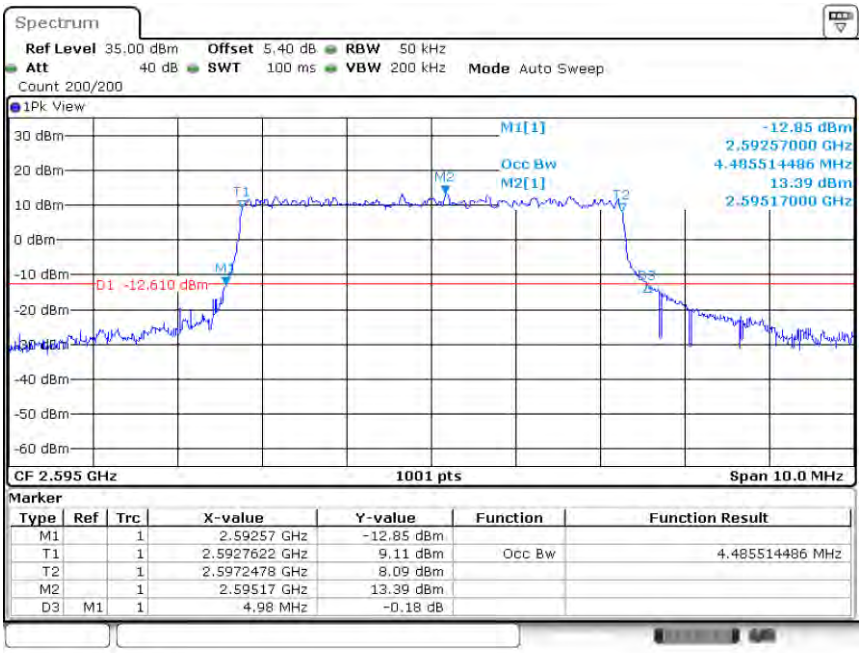
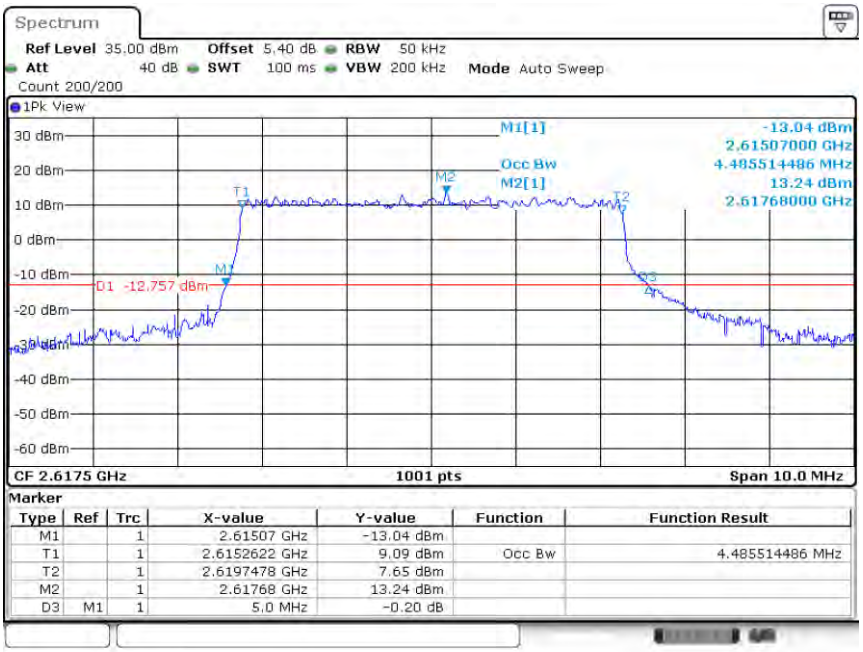


Date: 17.SEP.2020 15:32:01

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



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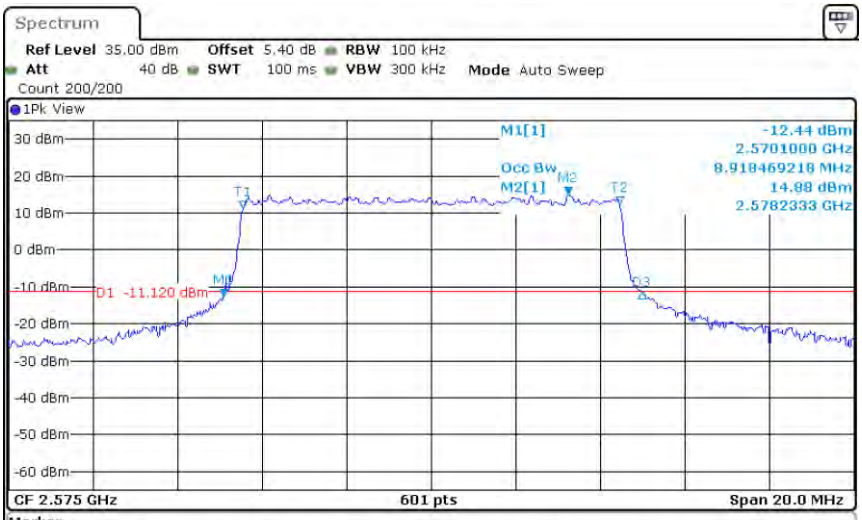
Band38-10MHz-QPSK-37800-50RB#0-8.918



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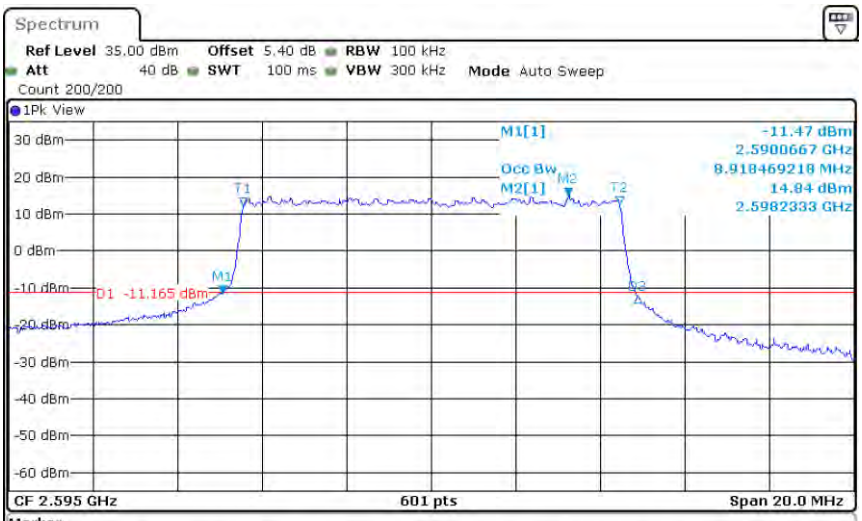
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5701 GHz	-12.44 dBm		
T1		1	2.5705408 GHz	11.20 dBm	Occ Bw	8.918469218 MHz
T2		1	2.5794592 GHz	12.32 dBm		
M2		1	2.5782333 GHz	14.88 dBm		
D3	M1	1	9.8667 MHz	1.23 dB		

Date: 15.SEP.2020 14:13:38

Band38-10MHz-QPSK-38000-50RB#0-8.918



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5900667 GHz	-11.47 dBm		
T1		1	2.5905408 GHz	12.30 dBm	Occ Bw	8.918469218 MHz
T2		1	2.5994592 GHz	12.53 dBm		
M2		1	2.5982333 GHz	14.84 dBm		
D3	M1	1	9.8 MHz	-0.58 dB		

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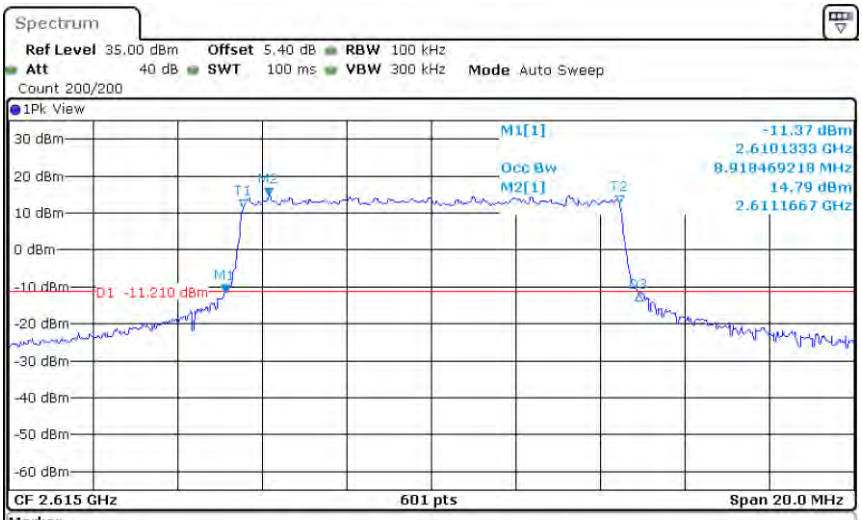
Band38-10MHz-QPSK-38200-50RB#0-8.918



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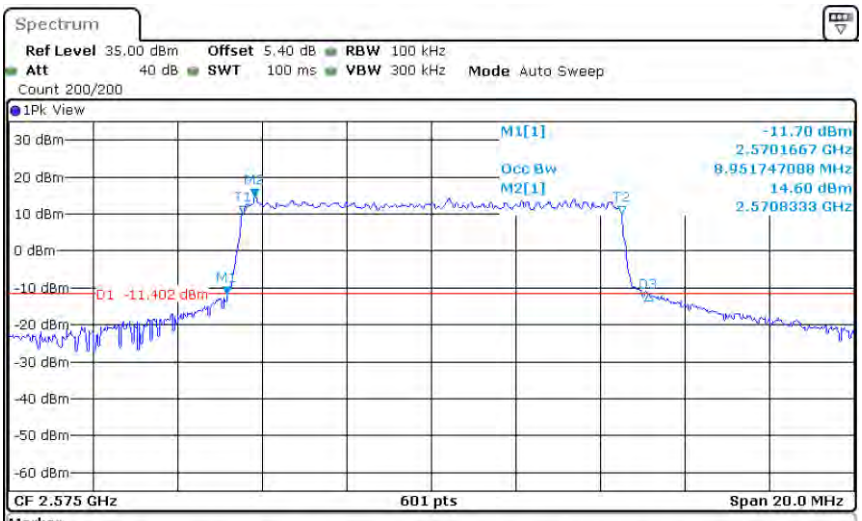
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.6101333 GHz	-11.37 dBm		
T1		1	2.6105408 GHz	11.55 dBm	Occ Bw	8.918469218 MHz
T2		1	2.6194592 GHz	12.47 dBm		
M2		1	2.6111667 GHz	14.79 dBm		
D3	M1	1	9.7667 MHz	-0.16 dB		

Date: 15.SEP.2020 14:16:31

Band38-10MHz-16QAM-37800-50RB#0-8.952



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5701667 GHz	-11.70 dBm		
T1		1	2.5705408 GHz	10.05 dBm	Occ Bw	8.951747088 MHz
T2		1	2.5794925 GHz	10.01 dBm		
M2		1	2.5708333 GHz	14.60 dBm		
D3	M1	1	9.9667 MHz	0.00 dB		

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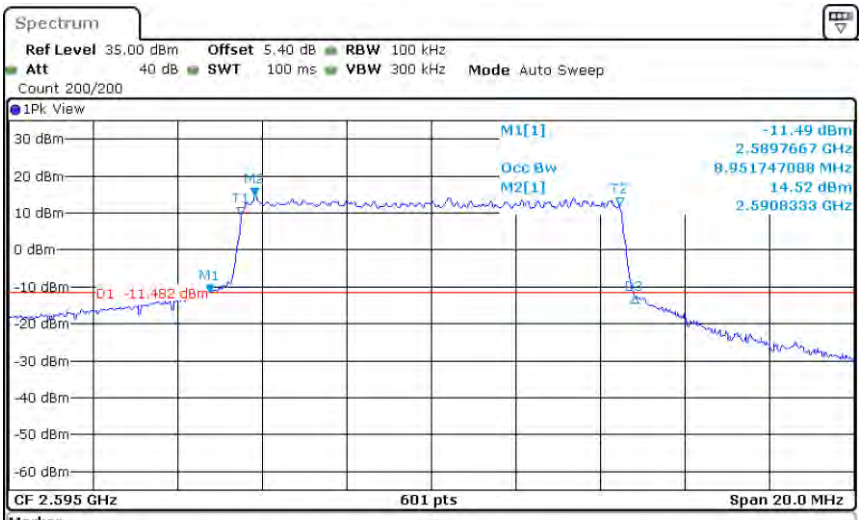
Band38-10MHz-16QAM-38000-50RB#0-8.952



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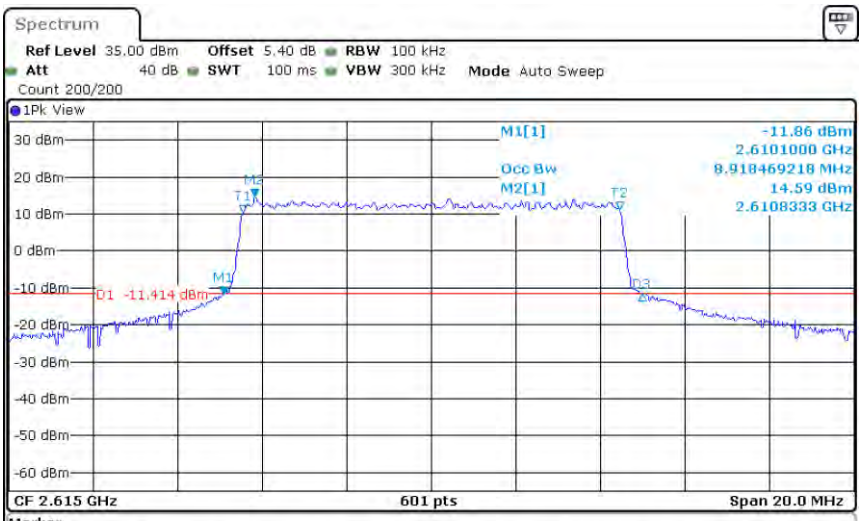
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5897667 GHz	-11.49 dBm		
T1		1	2.5905075 GHz	9.34 dBm	Occ Bw	8.951747088 MHz
T2		1	2.5994592 GHz	12.00 dBm		
M2		1	2.5908333 GHz	14.52 dBm		
D3	M1	1	10.0333 MHz	-1.00 dB		

Date: 15.SEP.2020 14:15:52

Band38-10MHz-16QAM-38200-50RB#0-8.918



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.6101 GHz	-11.86 dBm		
T1		1	2.6105408 GHz	10.39 dBm	Occ Bw	8.918469218 MHz
T2		1	2.6194592 GHz	11.09 dBm		
M2		1	2.6108333 GHz	14.59 dBm		
D3	M1	1	9.8667 MHz	0.38 dB		

Date: 15.SEP.2020 14:17:21

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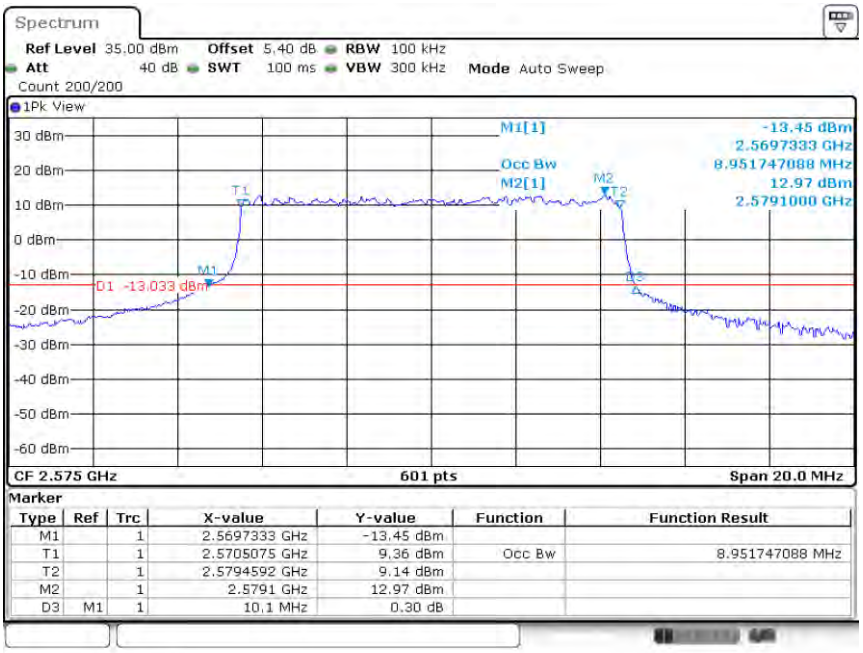
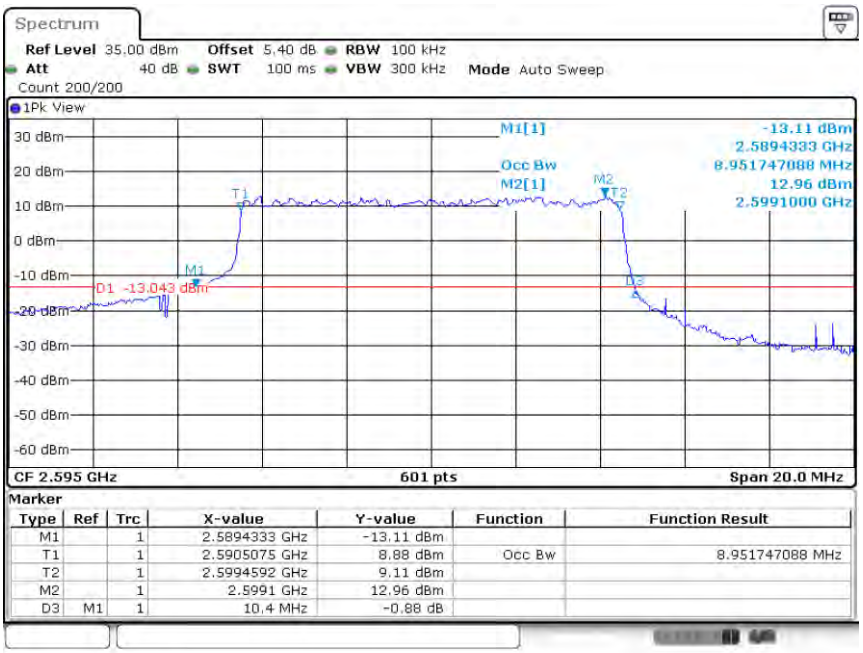
Band38-10MHz-64QAM-37800-50RB#0-8.952



Date: 17 SEP.2020 15:33:26

Band38-10MHz-64QAM-38000-50RB#0-8.952



Date: 17 SEP.2020 15:34:02

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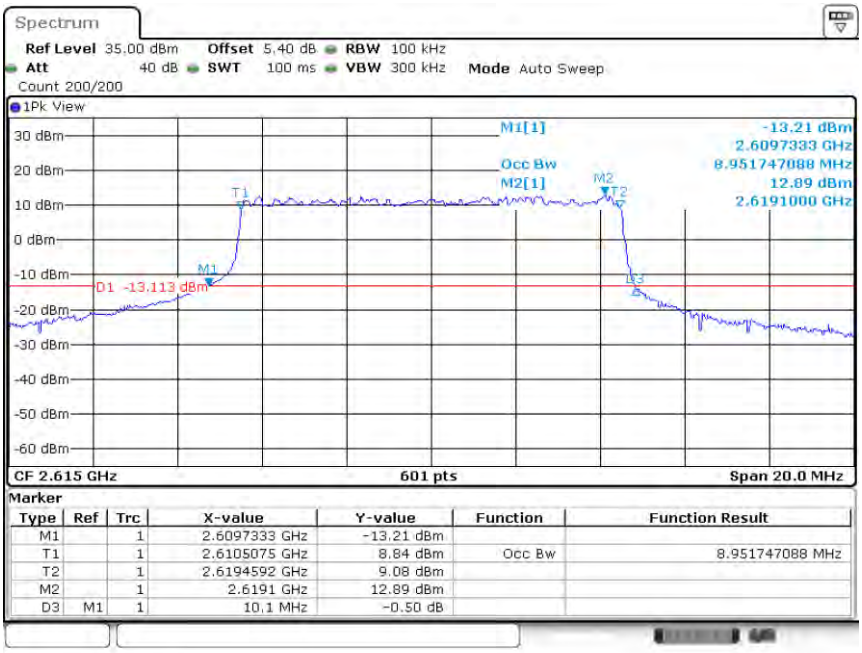
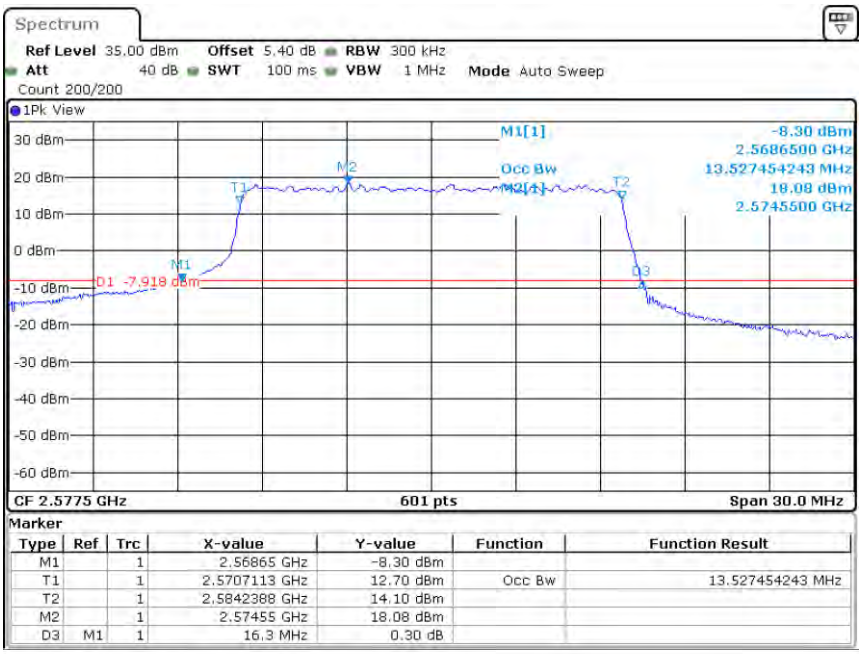
Band38-10MHz-64QAM-38200-50RB#0-8.952



Date: 17.SEP.2020 15:34:38

Band38-15MHz-QPSK-37825-75RB#0-13.527



Date: 15.SEP.2020 14:18:10

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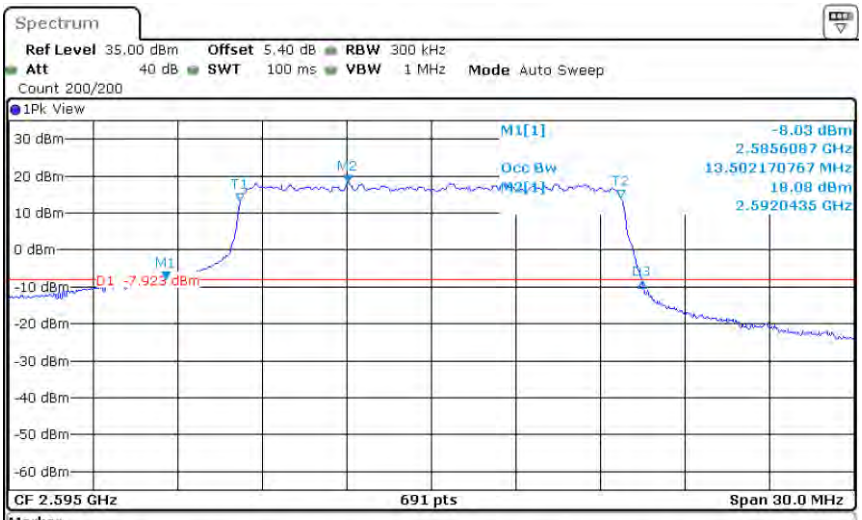
Band38-15MHz-QPSK-38000-75RB#0-13.502



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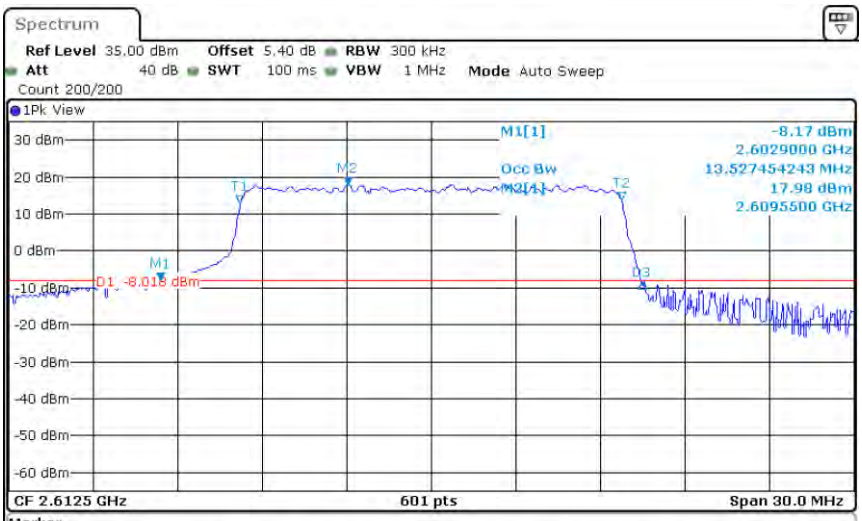
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5856087 GHz	-8.03 dBm		
T1		1	2.5882272 GHz	13.10 dBm	Occ Bw	13.502170767 MHz
T2		1	2.6017294 GHz	14.15 dBm		
M2		1	2.5920435 GHz	18.08 dBm		
D3	M1	1	16.8696 MHz	-0.36 dB		

Date: 15.SEP.2020 14:20:52

Band38-15MHz-QPSK-38175-75RB#0-13.527



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.6029 GHz	-8.17 dBm		
T1		1	2.6057113 GHz	12.81 dBm	Occ Bw	13.527454243 MHz
T2		1	2.6192388 GHz	13.68 dBm		
M2		1	2.60955 GHz	17.98 dBm		
D3	M1	1	17.05 MHz	-0.18 dB		

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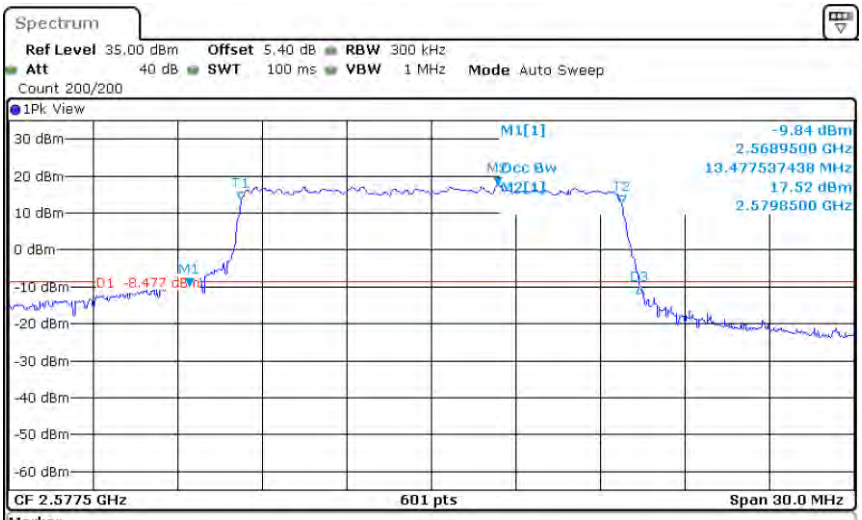
Band38-15MHz-16QAM-37825-75RB#0-13.478

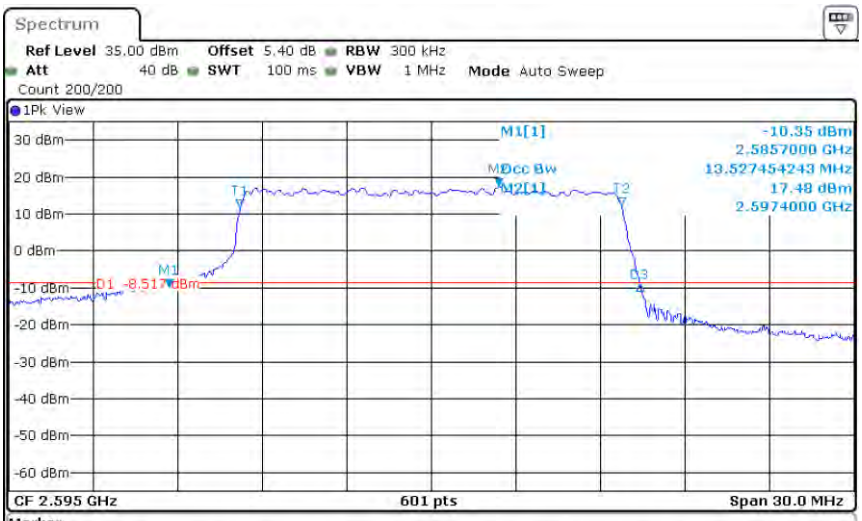


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.56895 GHz	-9.84 dBm		
T1		1	2.5707612 GHz	13.35 dBm	Occ Bw	13.477537438 MHz
T2		1	2.5842388 GHz	12.69 dBm		
M2		1	2.57985 GHz	17.52 dBm		
D3	M1	1	15.95 MHz	0.08 dB		

Date: 15.SEP.2020 14:18:47

Band38-15MHz-16QAM-38000-75RB#0-13.527



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5857 GHz	-10.35 dBm		
T1		1	2.5882113 GHz	11.73 dBm	Occ Bw	13.527454243 MHz
T2		1	2.6017388 GHz	12.35 dBm		
M2		1	2.5974 GHz	17.48 dBm		
D3	M1	1	16.7 MHz	1.37 dB		

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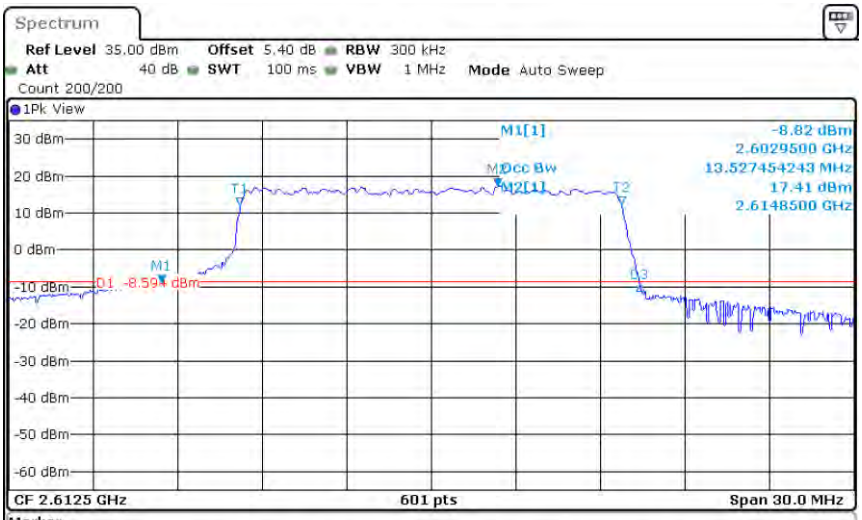
Band38-15MHz-16QAM-38175-75RB#0-13.527

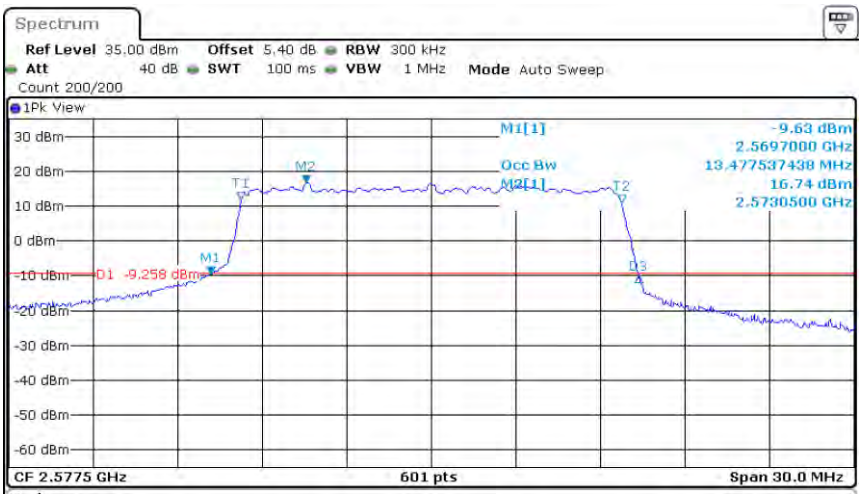


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.60295 GHz	-8.82 dBm		
T1		1	2.6057113 GHz	12.01 dBm	Occ Bw	13.527454243 MHz
T2		1	2.6192388 GHz	12.27 dBm		
M2		1	2.61485 GHz	17.41 dBm		
D3	M1	1	16.95 MHz	-0.31 dB		

Date: 15.SEP.2020 14:23:22

Band38-15MHz-64QAM-37825-75RB#0-13.478



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5697 GHz	-9.63 dBm		
T1		1	2.5707612 GHz	11.95 dBm	Occ Bw	13.477537438 MHz
T2		1	2.5842388 GHz	10.88 dBm		
M2		1	2.57305 GHz	16.74 dBm		
D3	M1	1	15.15 MHz	0.26 dB		

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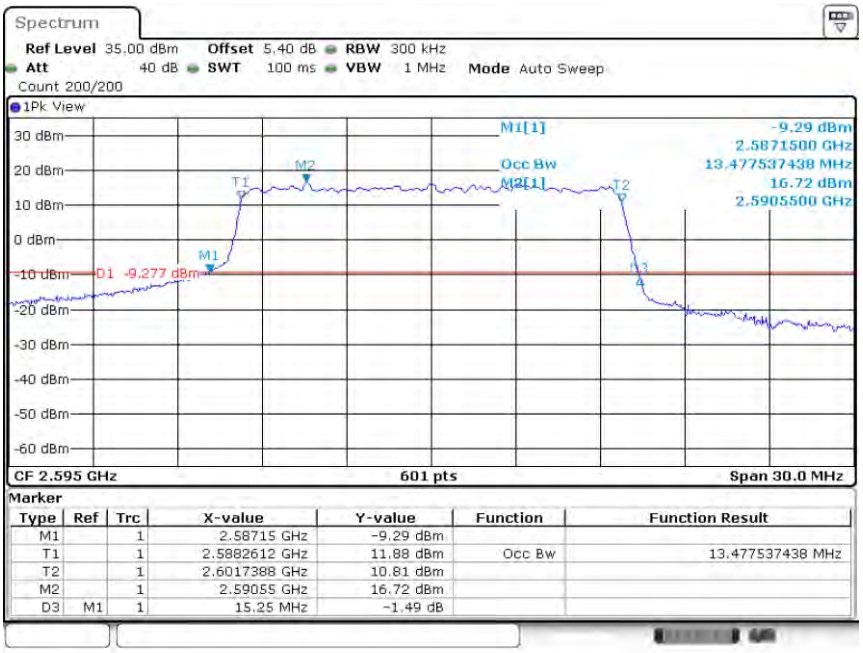

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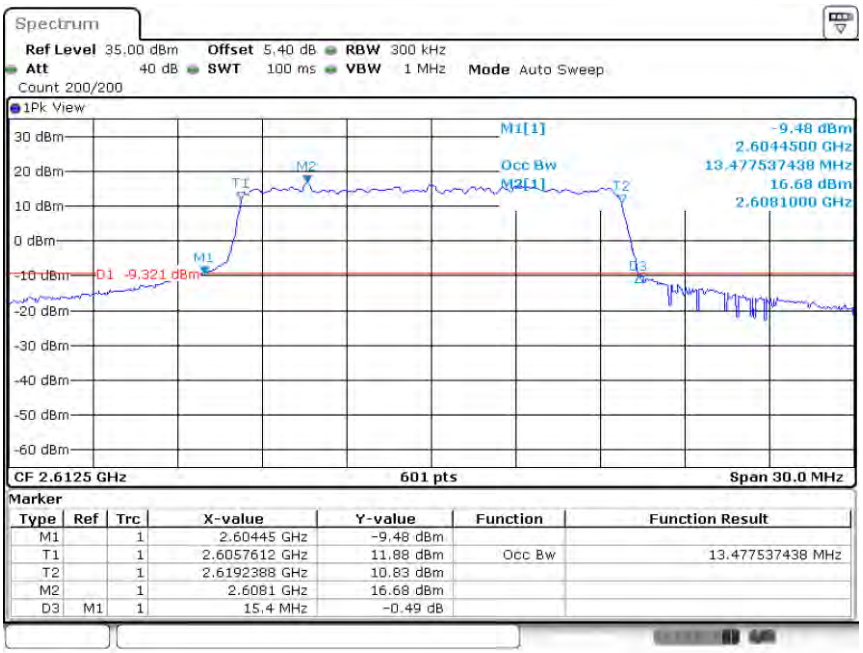
Band38-15MHz-64QAM-38175-75RB#0-13.478



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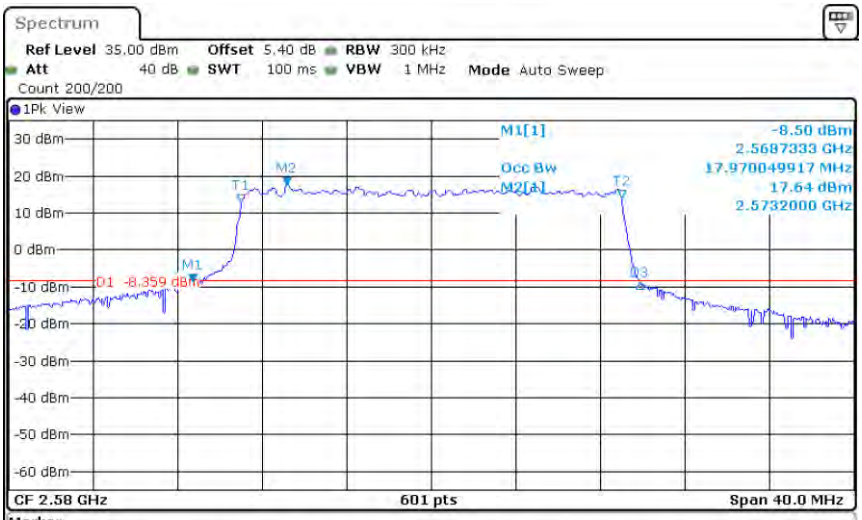
Band38-20MHz-QPSK-37850-100RB#0-17.97

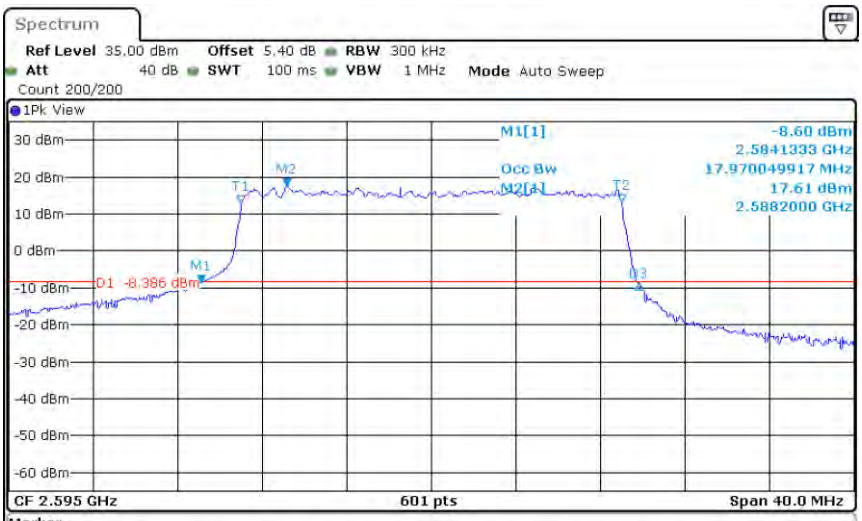


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5687333 GHz	-8.50 dBm		
T1		1	2.571015 GHz	12.96 dBm	Occ Bw	17.970049917 MHz
T2		1	2.588985 GHz	14.06 dBm		
M2		1	2.5732 GHz	17.64 dBm		
D3	M1	1	21.1333 MHz	-0.08 dB		

Date: 15.SEP.2020 14:24:39

Band38-20MHz-QPSK-38000-100RB#0-17.97



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5841333 GHz	-8.60 dBm		
T1		1	2.586015 GHz	12.77 dBm	Occ Bw	17.970049917 MHz
T2		1	2.603985 GHz	13.31 dBm		
M2		1	2.5882 GHz	17.61 dBm		
D3	M1	1	20.6667 MHz	0.07 dB		

Date: 15.SEP.2020 14:26:21

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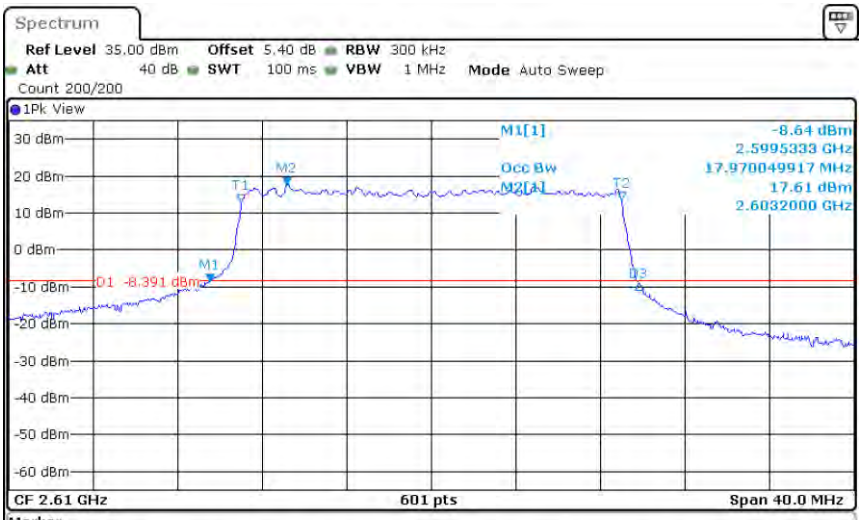
Band38-20MHz-QPSK-38150-100RB#0-17.97

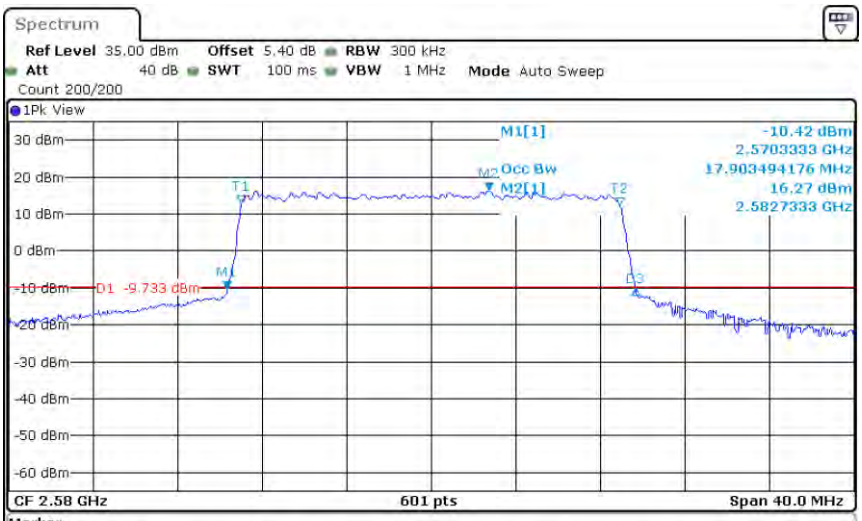


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5995333 GHz	-8.64 dBm		
T1		1	2.601015 GHz	12.87 dBm	Occ Bw	17.970049917 MHz
T2		1	2.618985 GHz	13.60 dBm		
M2		1	2.6032 GHz	17.61 dBm		
D3	M1	1	20.2667 MHz	-0.14 dB		

Date: 15.SEP.2020 14:27:42

Band38-20MHz-16QAM-37850-100RB#0-17.903



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5703333 GHz	-10.42 dBm		
T1		1	2.571015 GHz	12.82 dBm	Occ Bw	17.903494176 MHz
T2		1	2.5889185 GHz	12.33 dBm		
M2		1	2.5827333 GHz	16.27 dBm		
D3	M1	1	19.3333 MHz	0.26 dB		

Date: 15.SEP.2020 14:25:45

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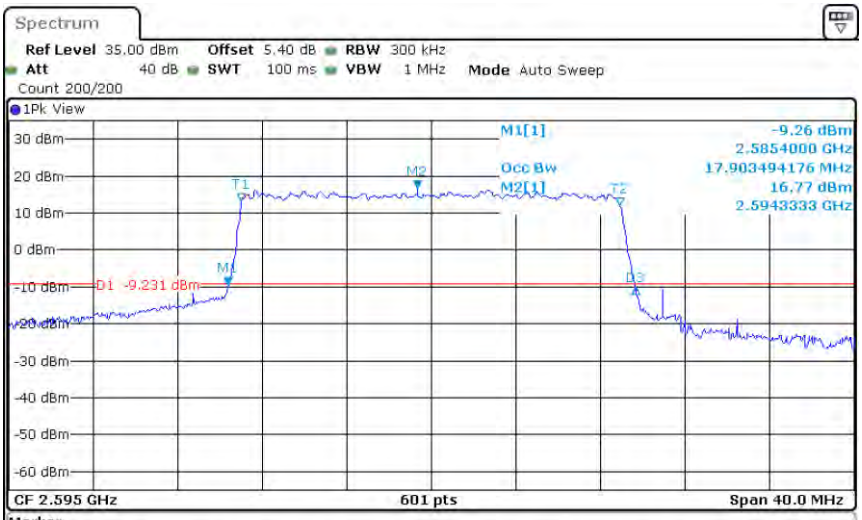
Band38-20MHz-16QAM-38000-100RB#0-17.903

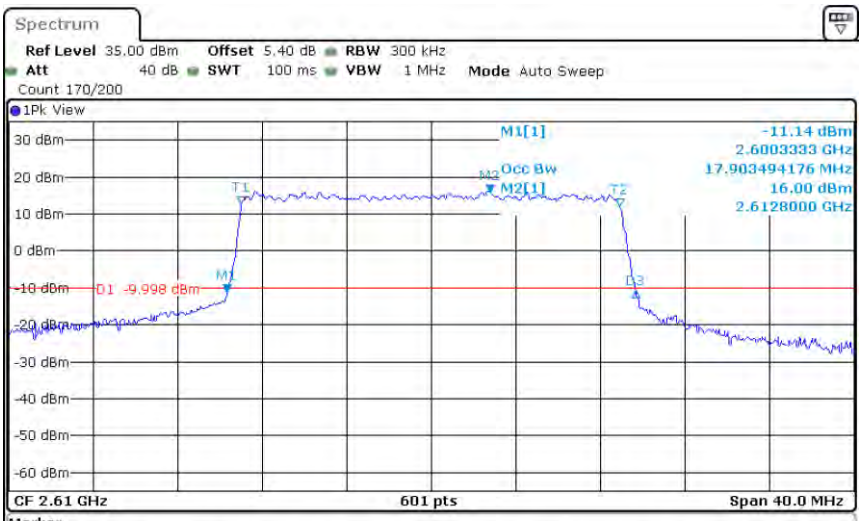


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5854 GHz	-9.26 dBm		
T1		1	2.586015 GHz	13.10 dBm	Occ Bw	17.903494176 MHz
T2		1	2.6039185 GHz	12.15 dBm		
M2		1	2.5943333 GHz	16.77 dBm		
D3	M1	1	19.2667 MHz	-0.87 dB		

Date: 15.SEP.2020 14:27:05

Band38-20MHz-16QAM-38150-100RB#0-17.903



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.6003333 GHz	-11.14 dBm		
T1		1	2.601015 GHz	12.56 dBm	Occ Bw	17.903494176 MHz
T2		1	2.6189185 GHz	12.09 dBm		
M2		1	2.6128 GHz	16.00 dBm		
D3	M1	1	19.3333 MHz	0.46 dB		

Date: 15.SEP.2020 14:28:24

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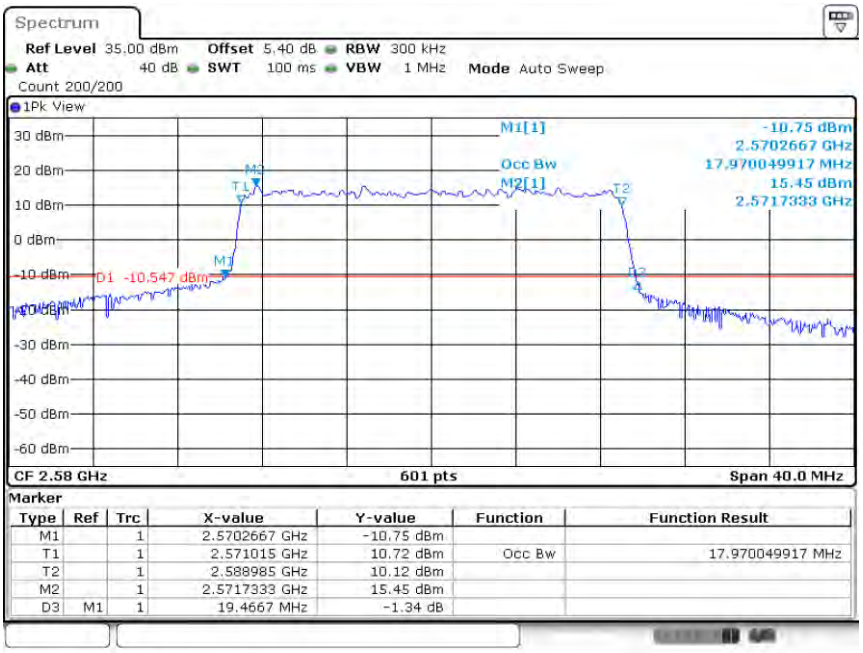
Band38-20MHz-64QAM-37850-100RB#0-17.97



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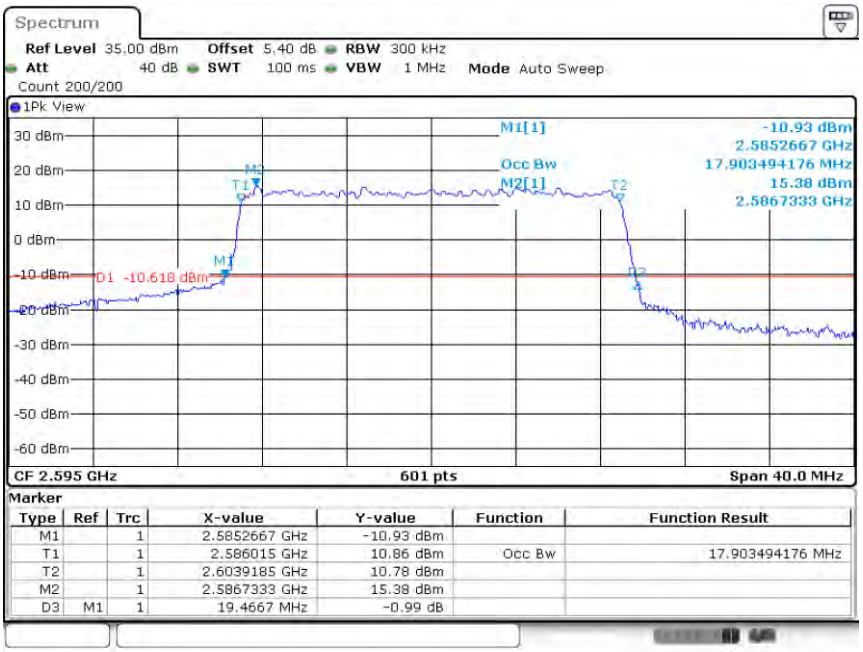
Band38-20MHz-64QAM-38000-100RB#0-17.903



Date: 17.SEP.2020 15:38:23

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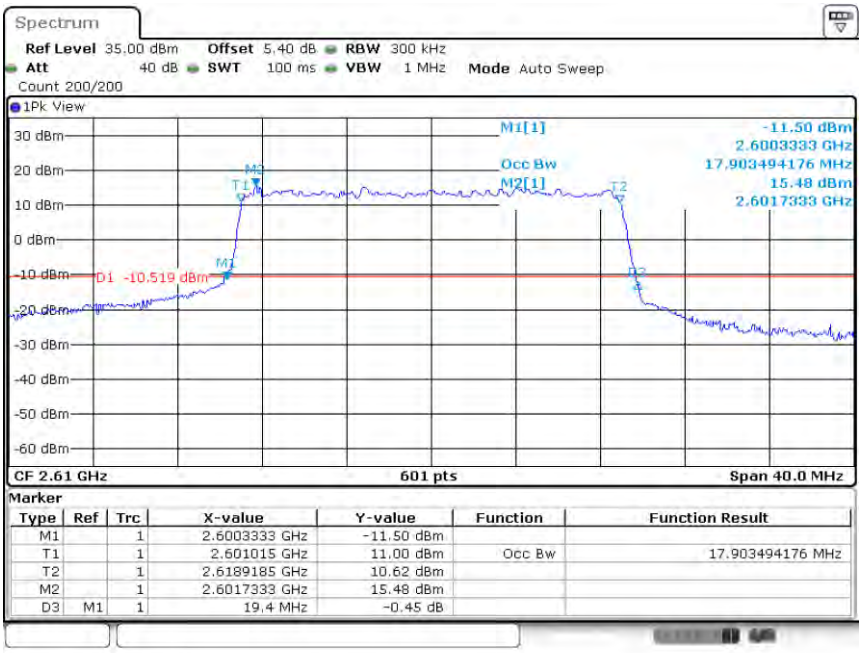
Band38-20MHz-64QAM-38150-100RB#0-17.903



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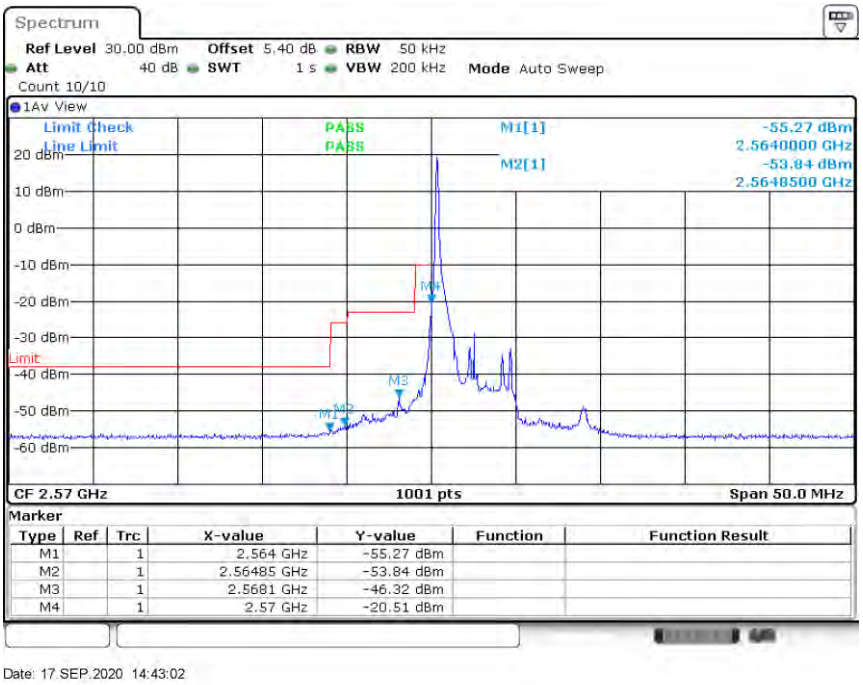
5 Band Edge Compliance

5.1 Test Plots

Band38-5MHz-QPSK-37775-1RB#0



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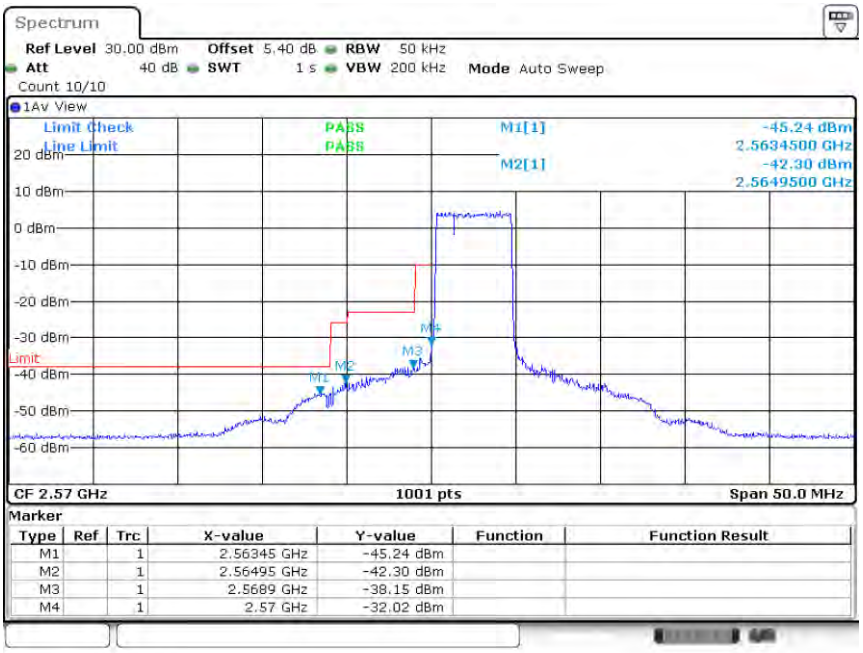
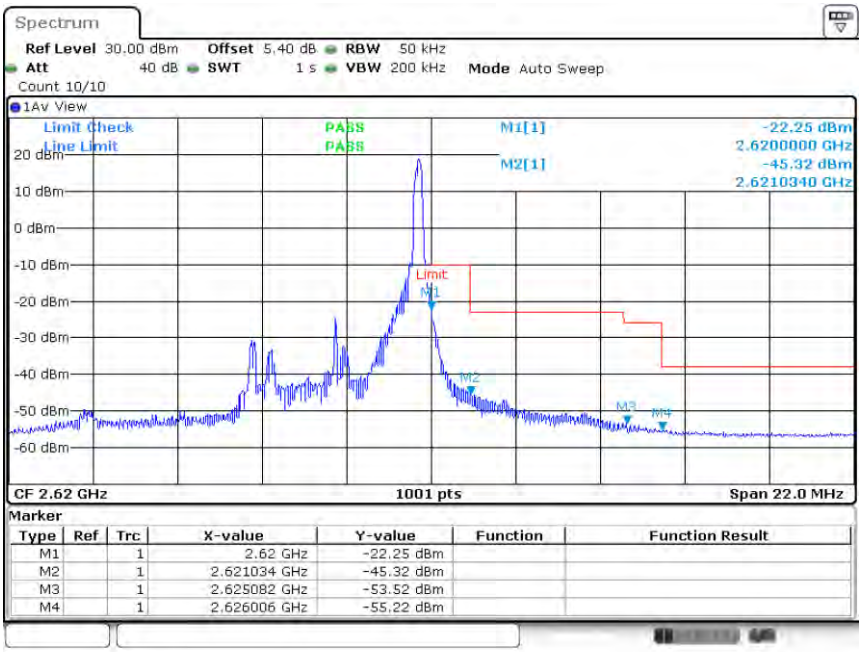
Band38-5MHz-QPSK-37775-25RB#0



Date: 17 SEP.2020 14:43:54

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



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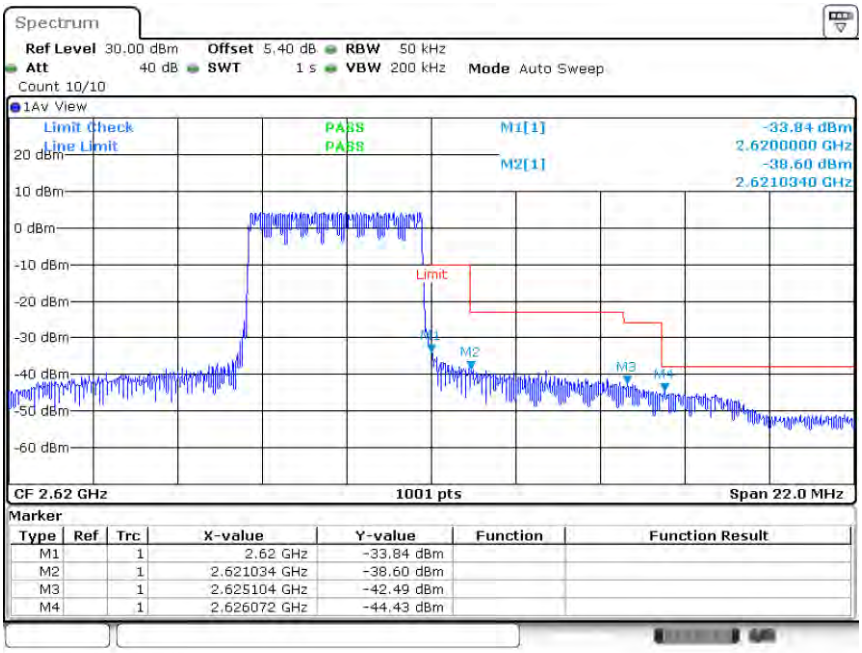
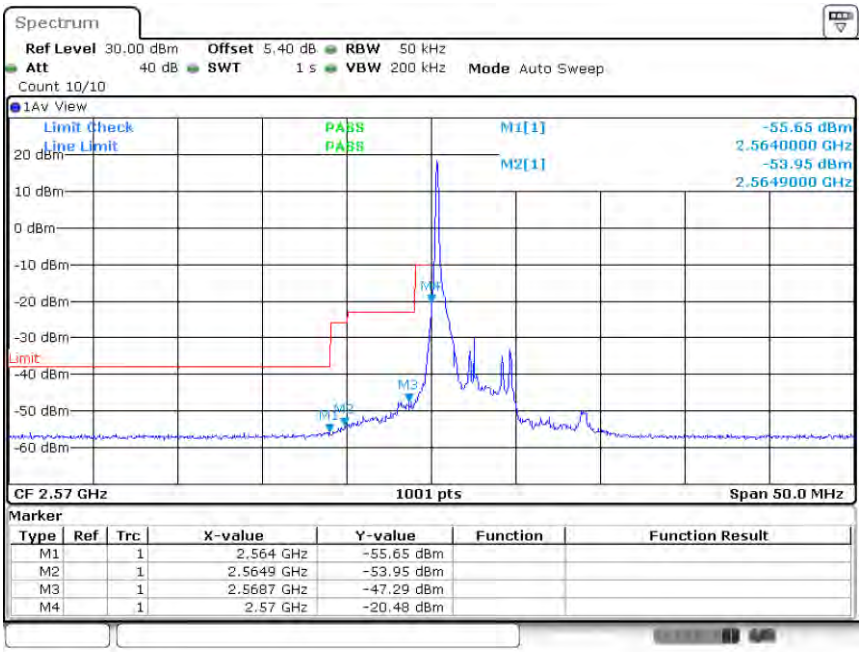


Date: 17 SEP.2020 14:57:29

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



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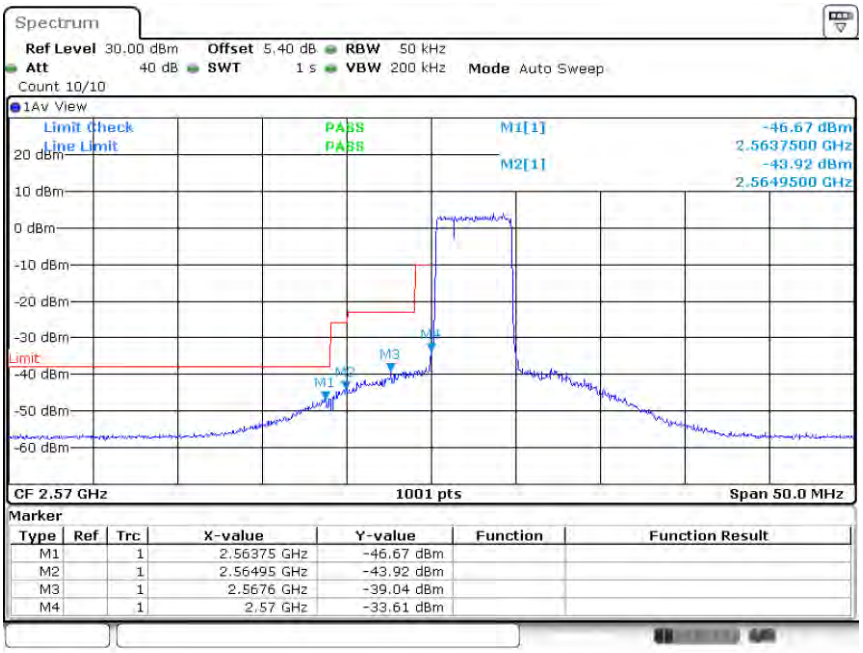

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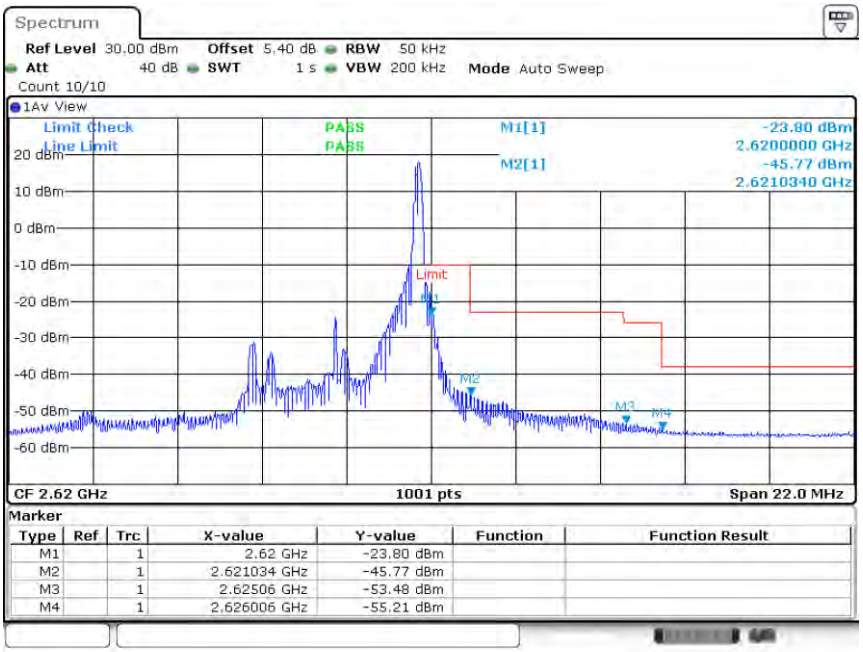

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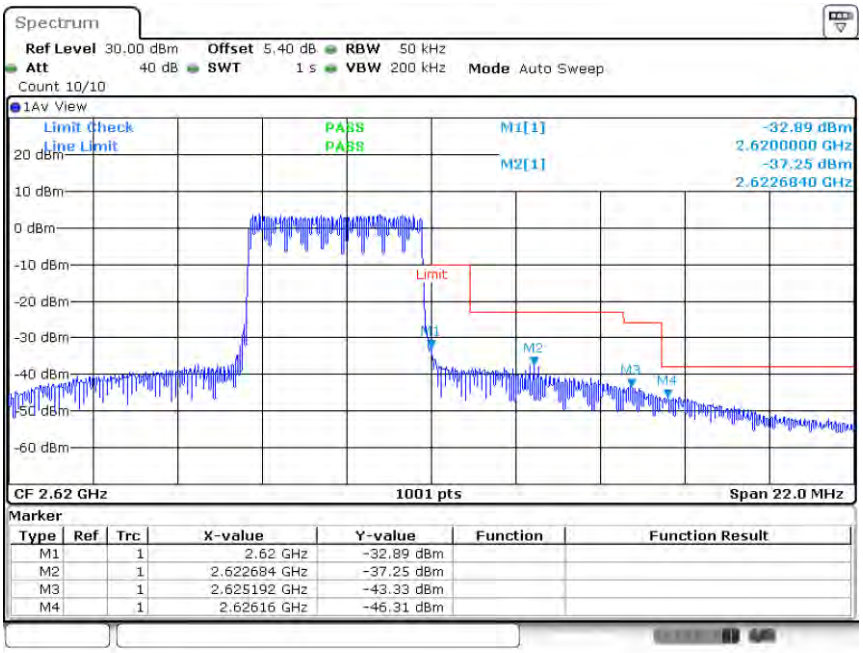

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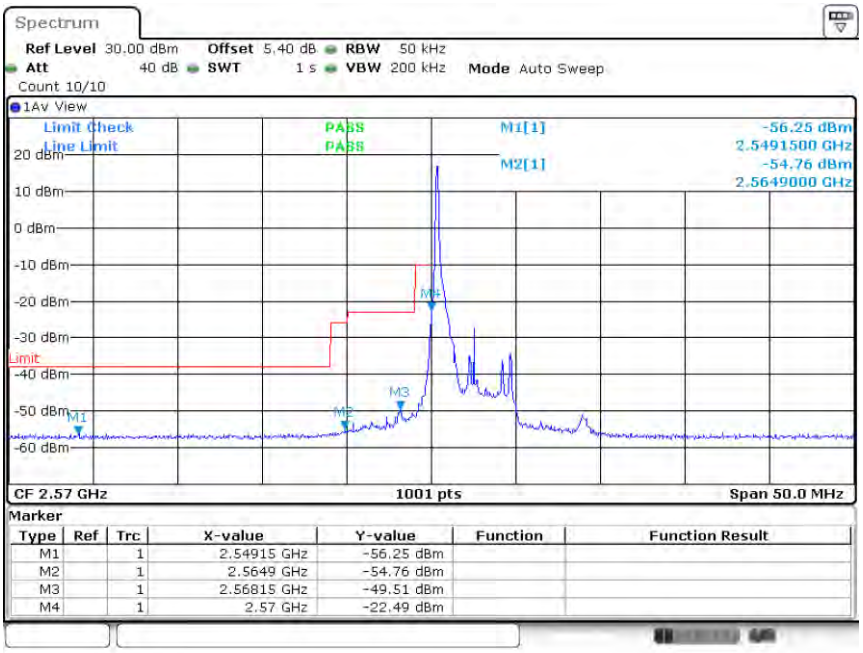
Band38-5MHz-64QAM-37775-1RB#0



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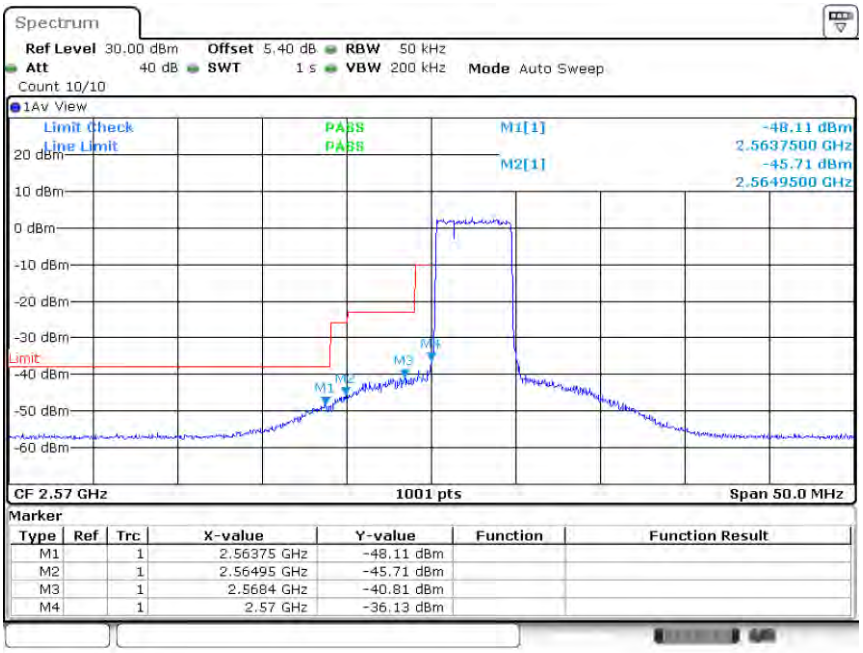

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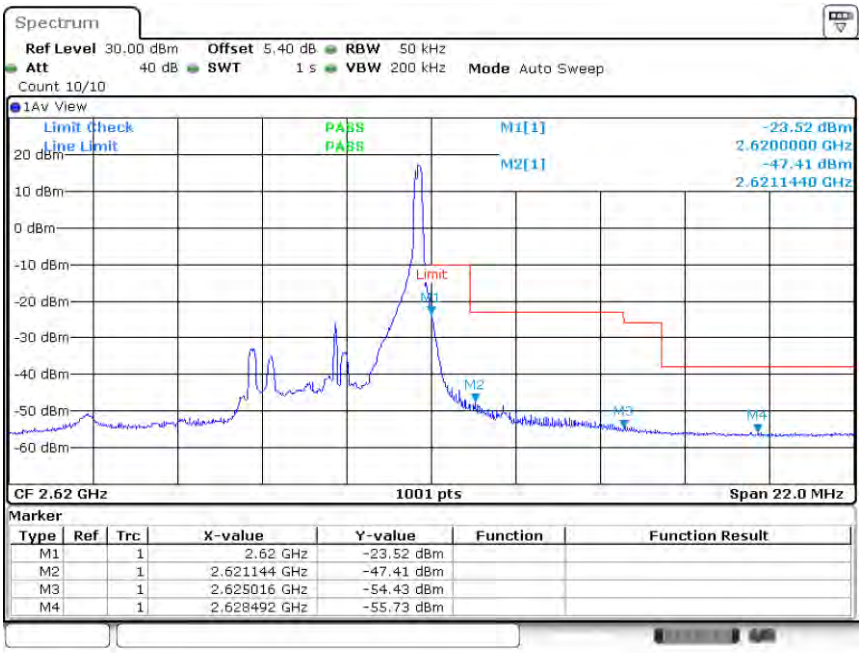
Band38-5MHz-64QAM-38225-1RB#24



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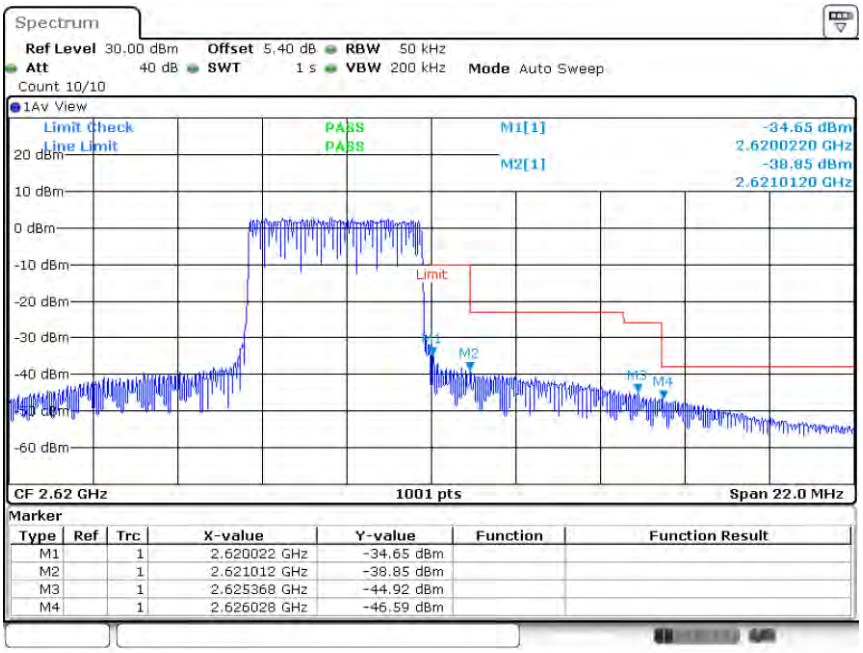
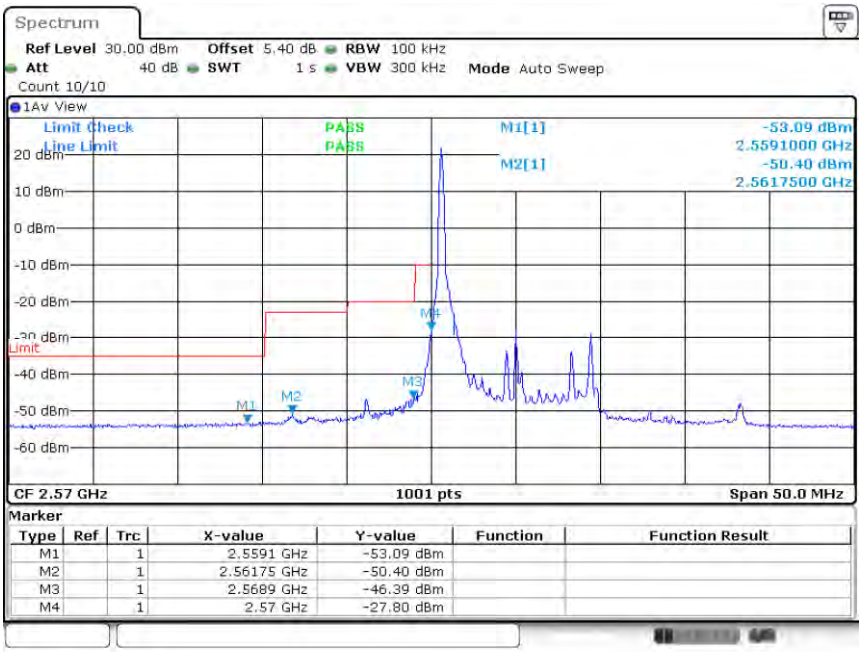


Date: 17.SEP.2020 15:46:34

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



Date: 17.SEP.2020 15:00:05

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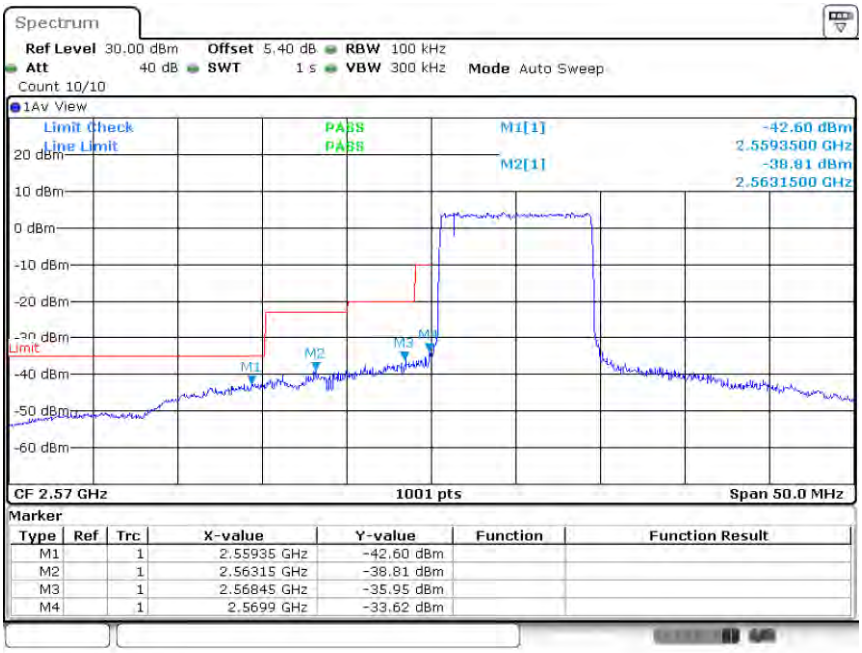
Band38-10MHz-QPSK-37800-50RB#0



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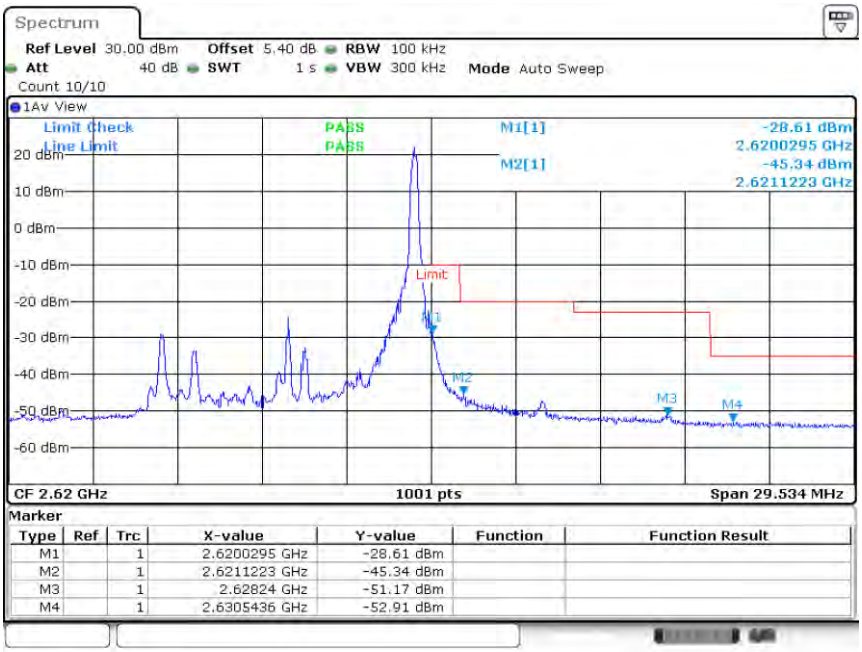
Band38-10MHz-QPSK-38200-1RB#49



Date: 17 SEP.2020 15:01:55

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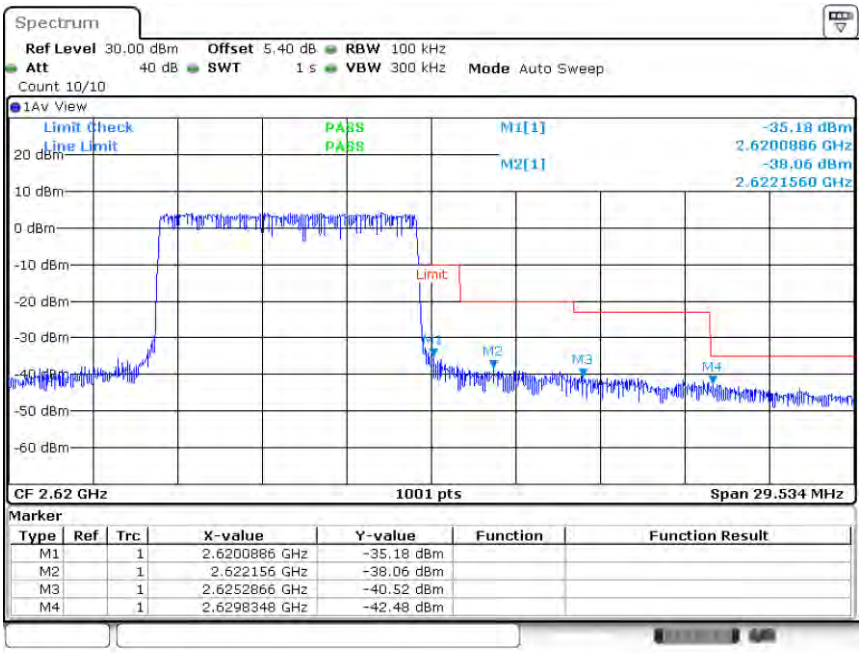
Band38-10MHz-QPSK-38200-50RB#0



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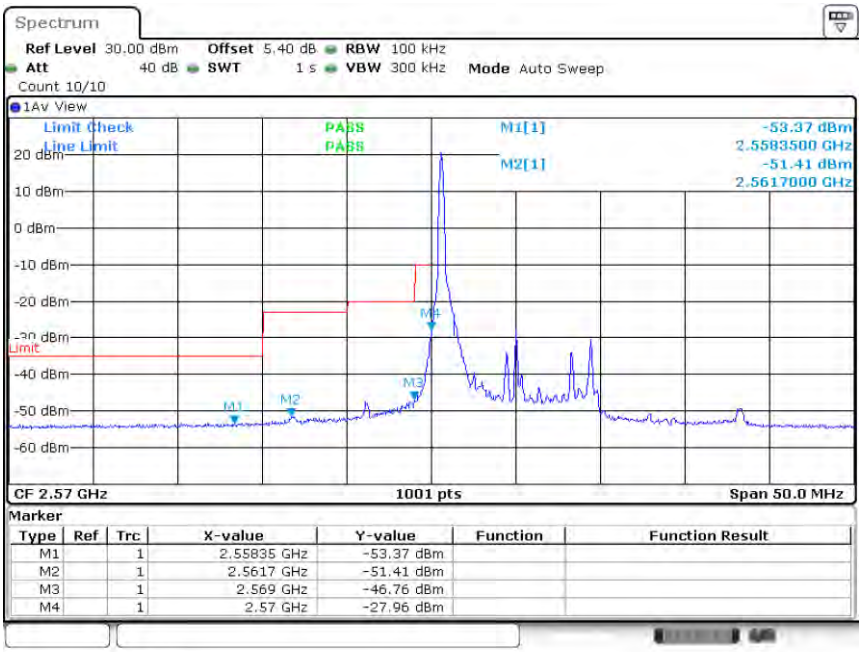
Band38-10MHz-16QAM-37800-1RB#0



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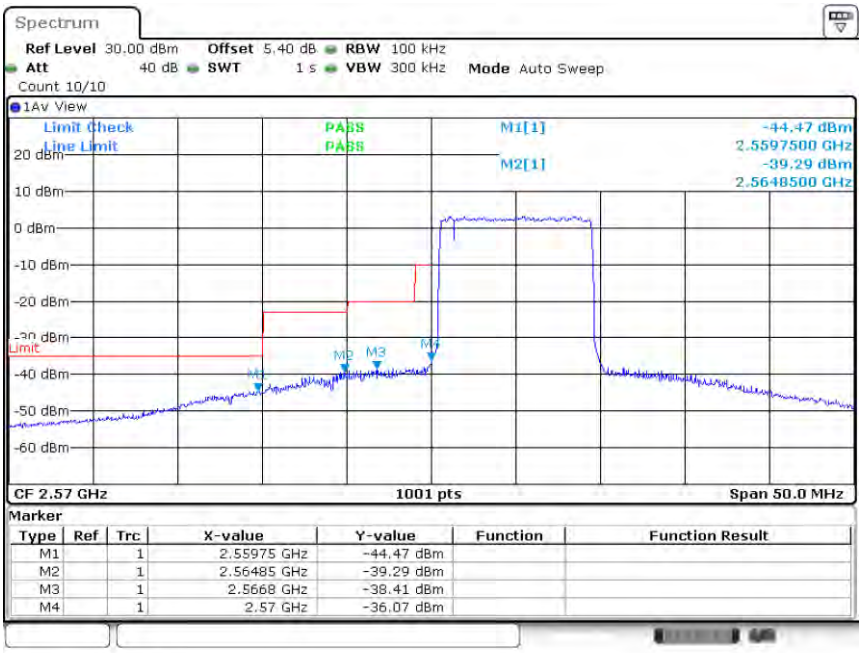
Band38-10MHz-16QAM-37800-50RB#0



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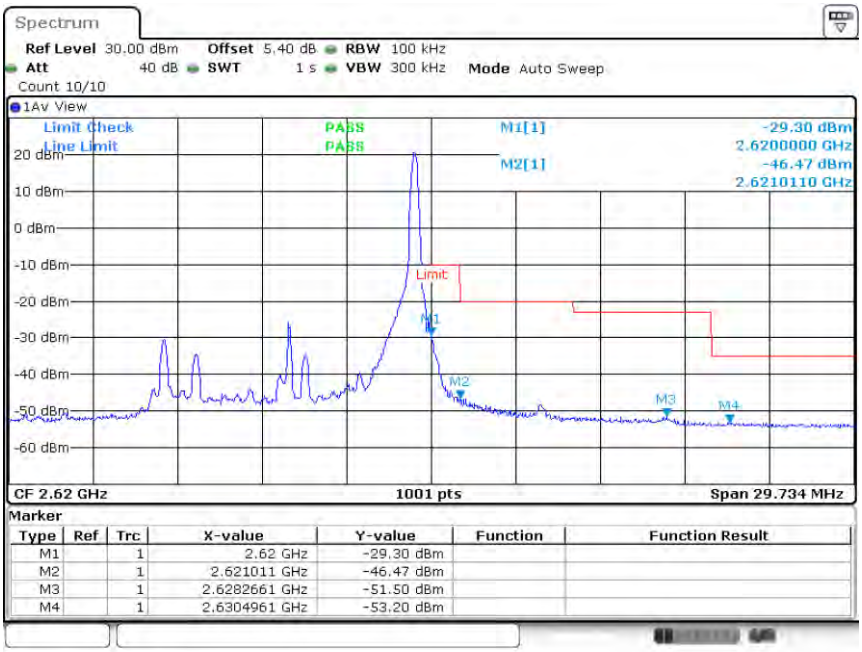
Band38-10MHz-16QAM-38200-1RB#49



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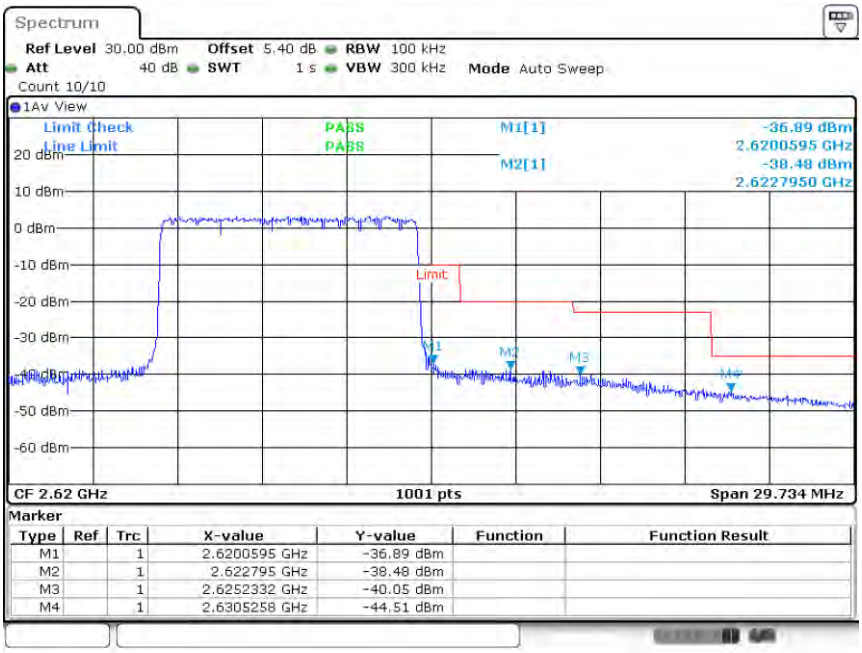
Band38-10MHz-16QAM-38200-50RB#0



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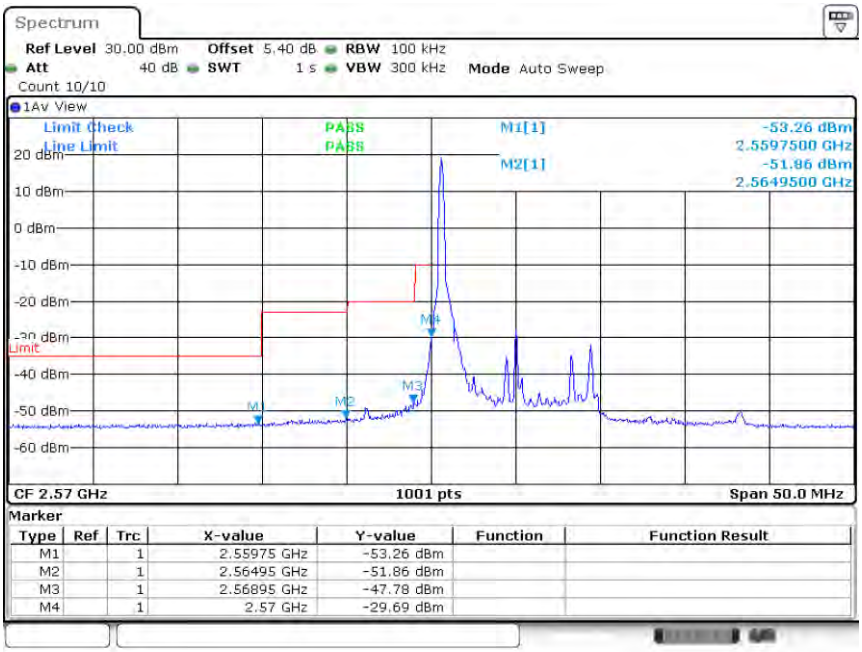
Band38-10MHz-64QAM-37800-1RB#0



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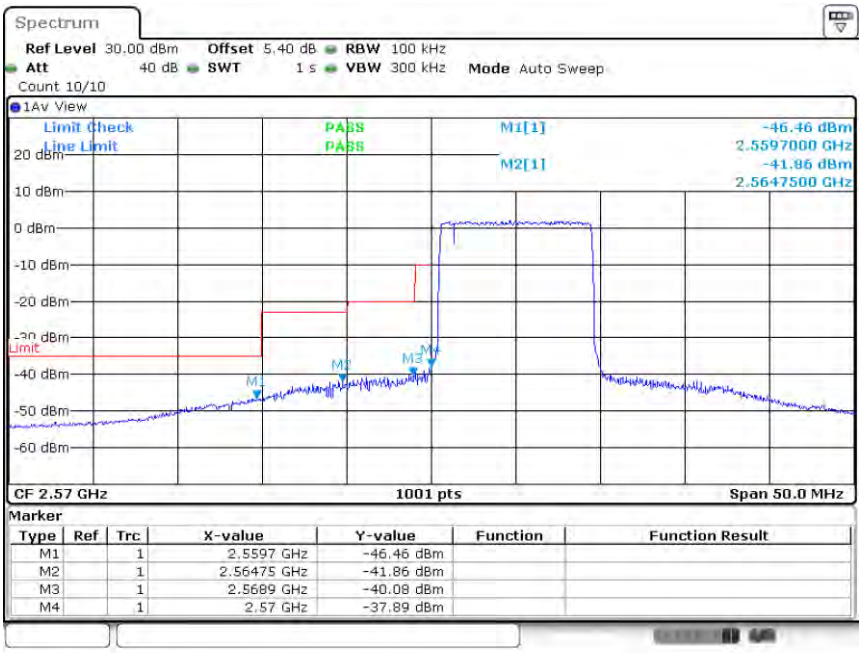
Band38-10MHz-64QAM-37800-50RB#0



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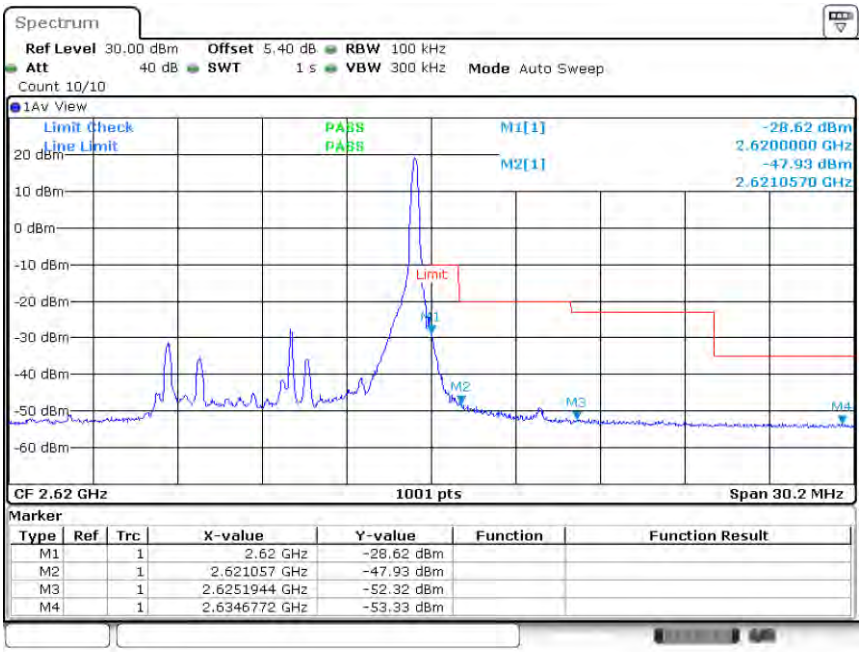
Band38-10MHz-64QAM-38200-1RB#49



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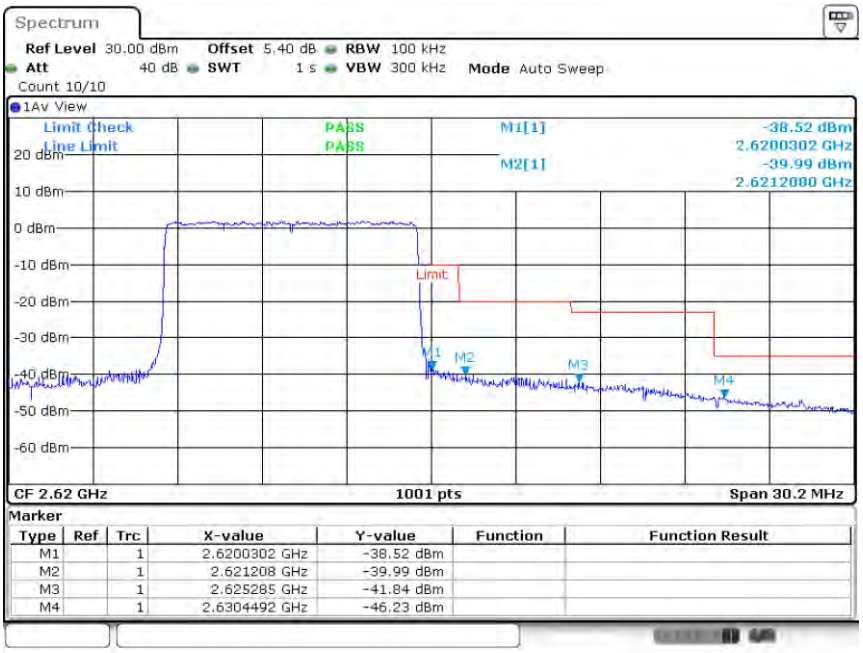
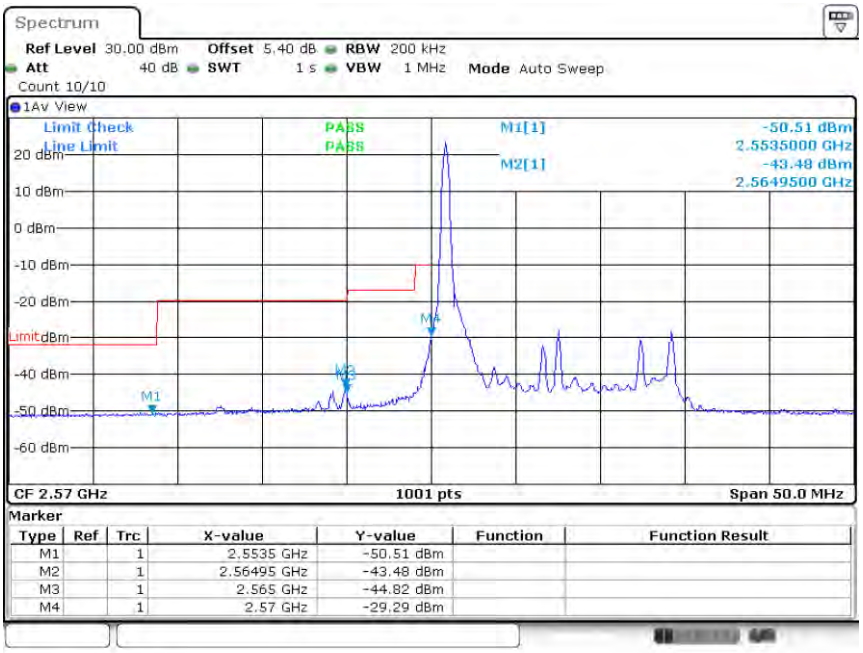
Band38-10MHz-64QAM-38200-50RB#0



Date: 17 SEP.2020 15:48:35

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



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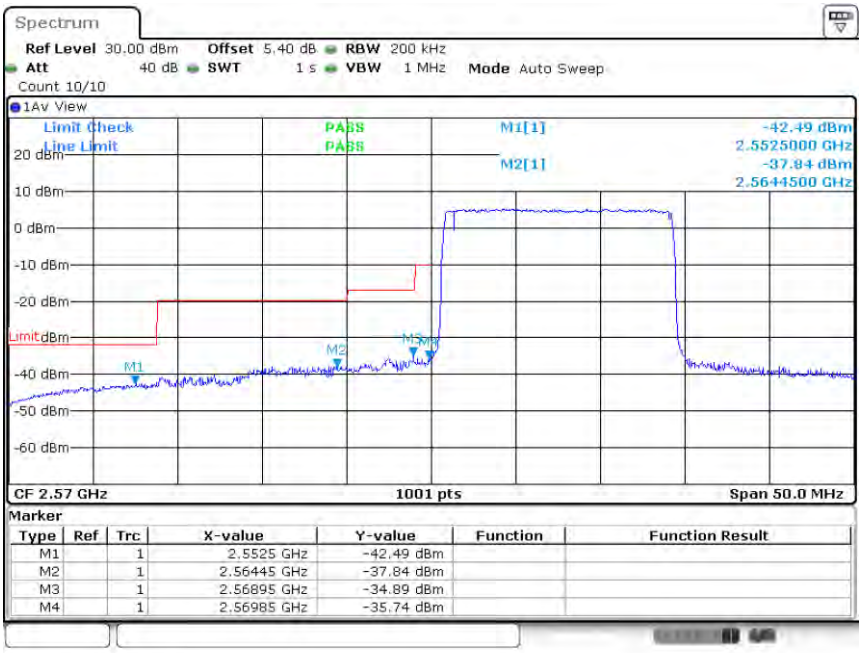
Band38-15MHz-QPSK-37825-75RB#0



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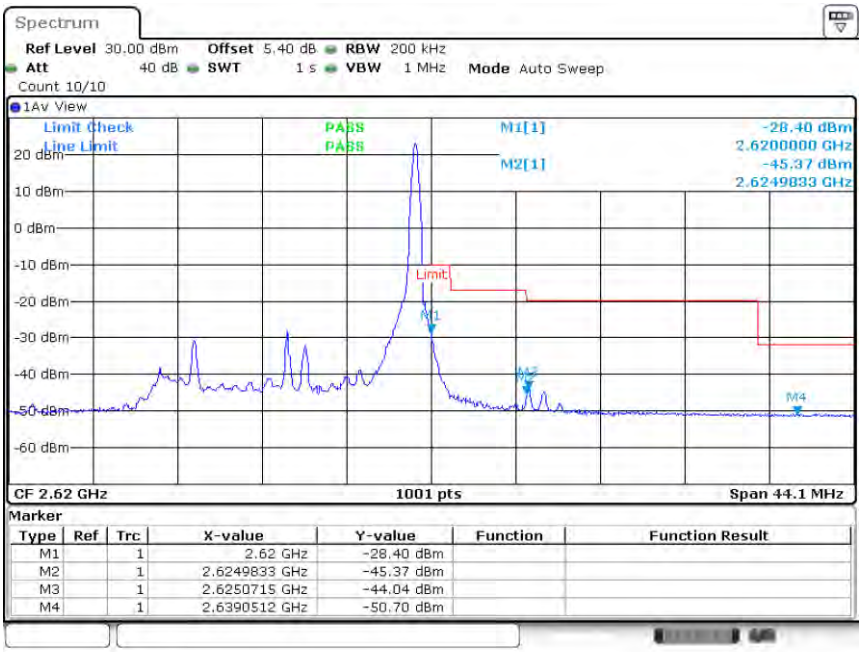
Band38-15MHz-QPSK-38175-1RB#74



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

Date: 17.SEP.2020 15:06:29

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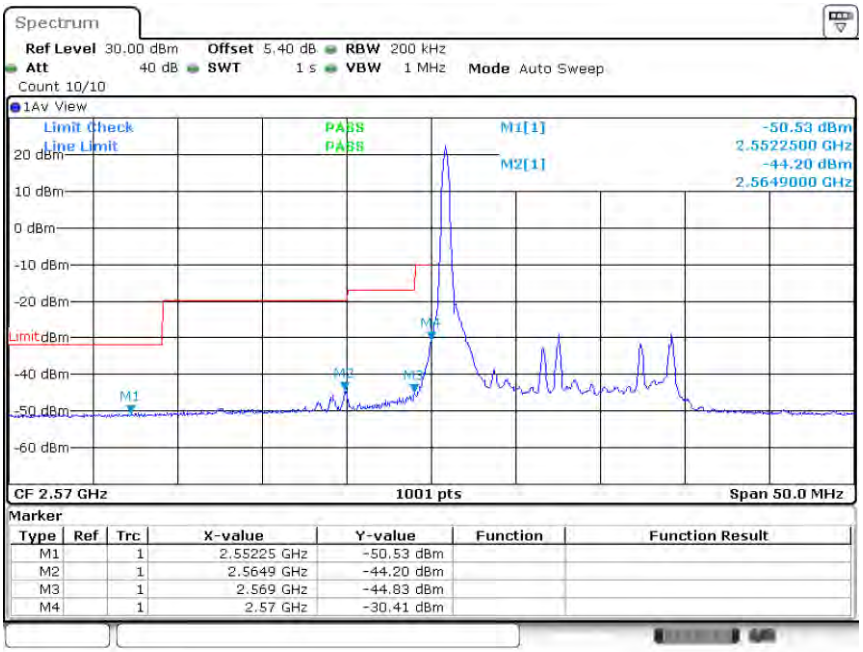

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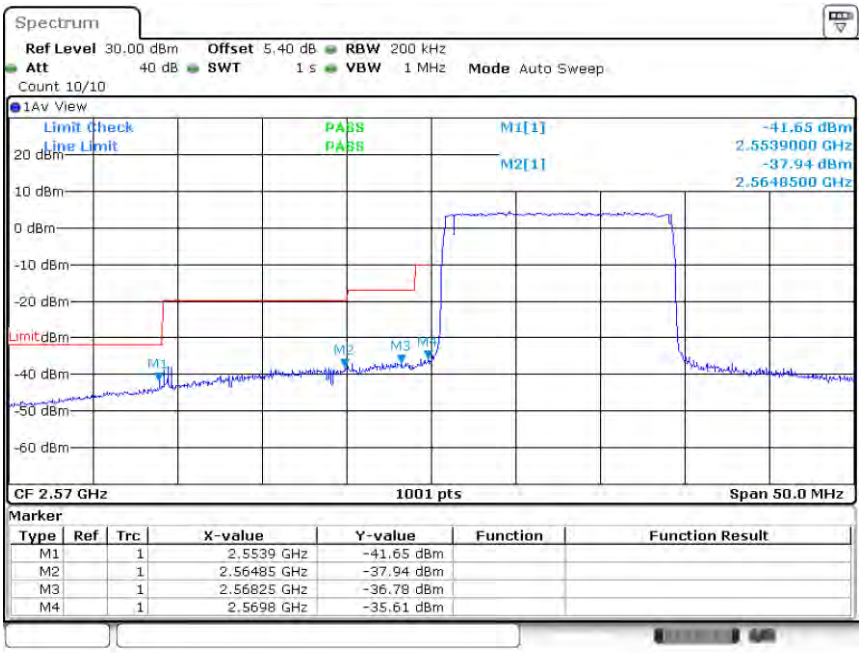

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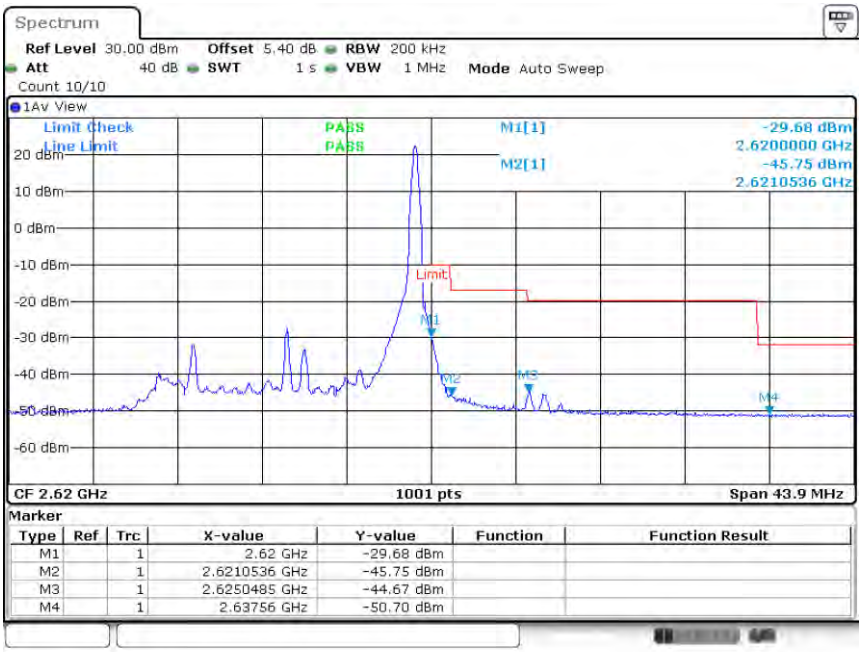
Band38-15MHz-16QAM-38175-1RB#74



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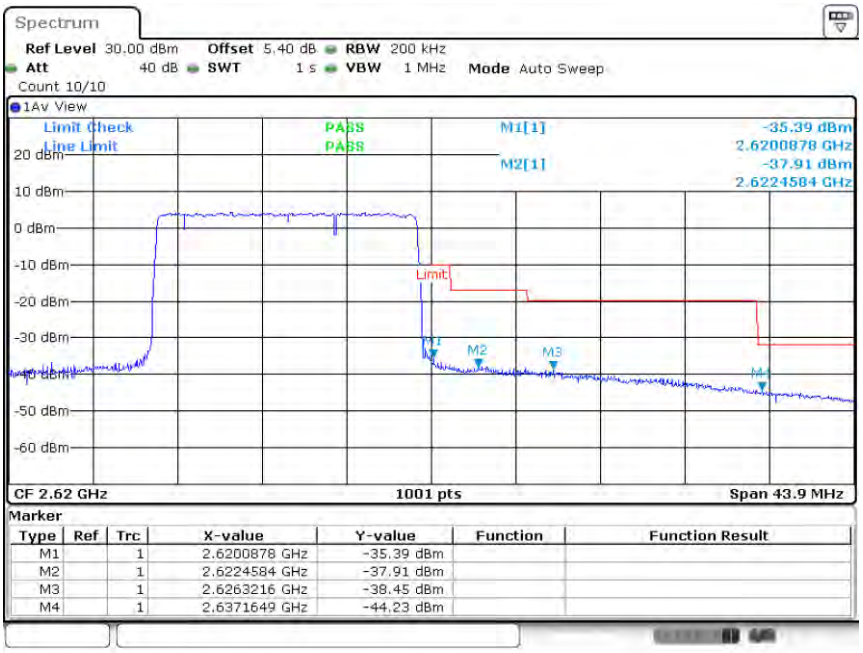

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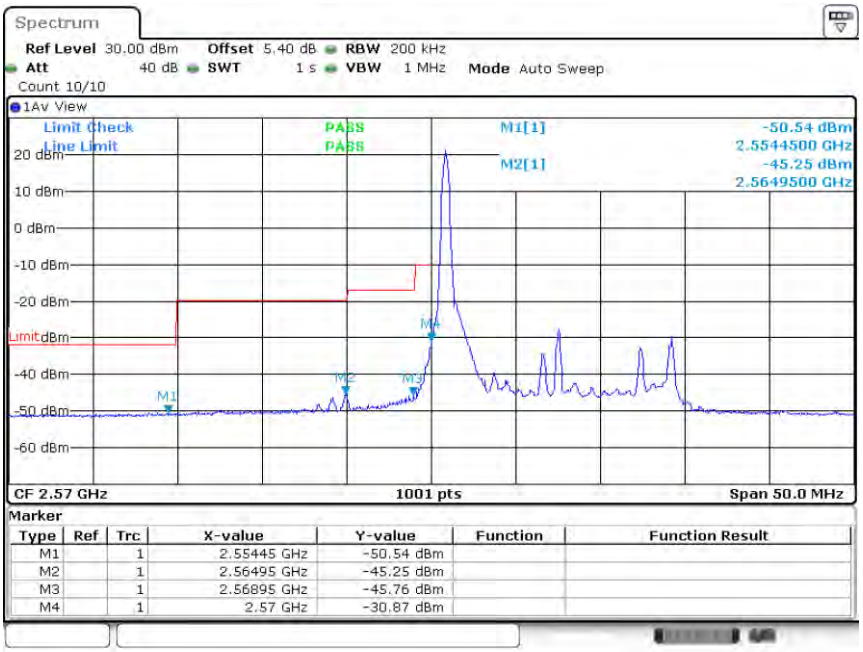

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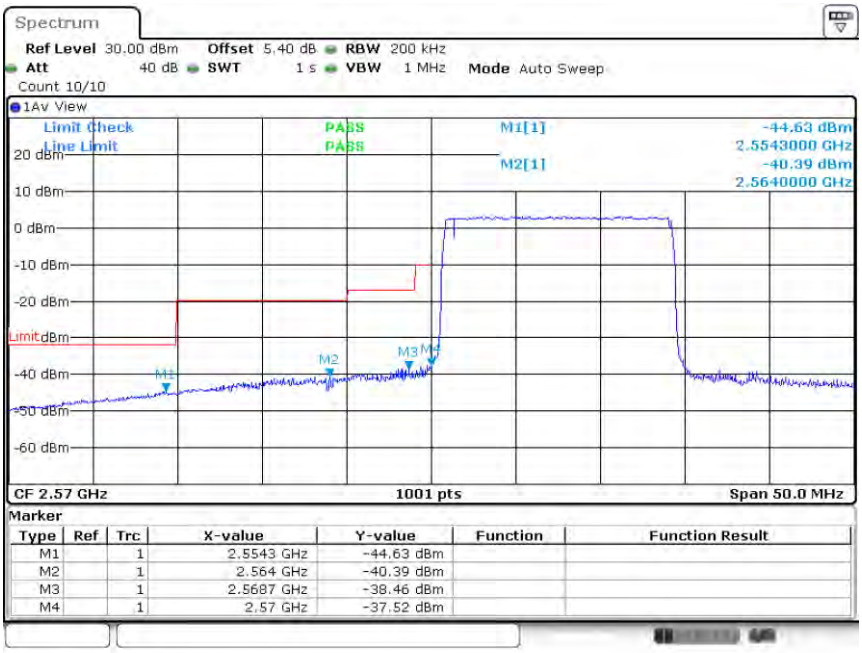
Band38-15MHz-64QAM-37825-75RB#0



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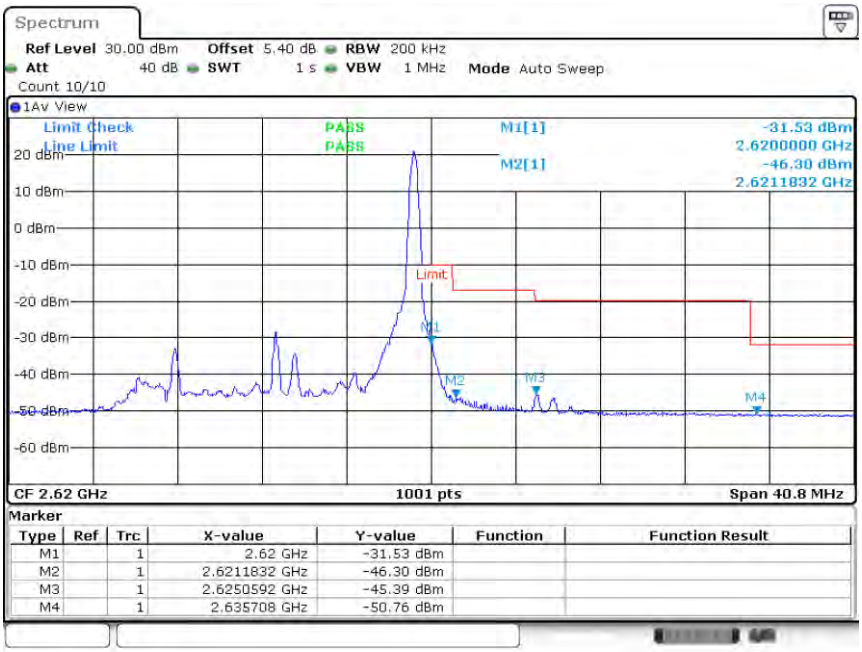
Band38-15MHz-64QAM-38175-1RB#74



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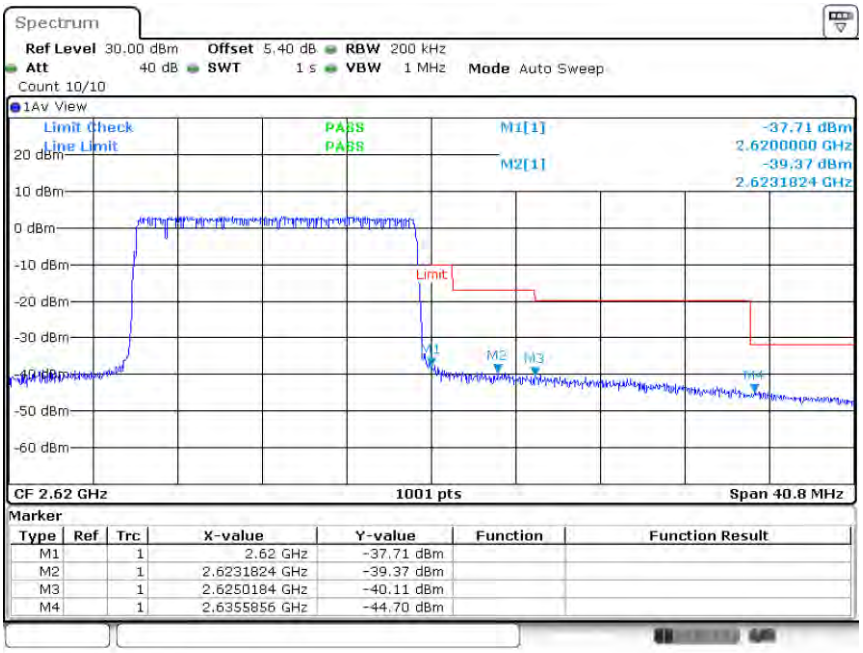
Band38-15MHz-64QAM-38175-75RB#0



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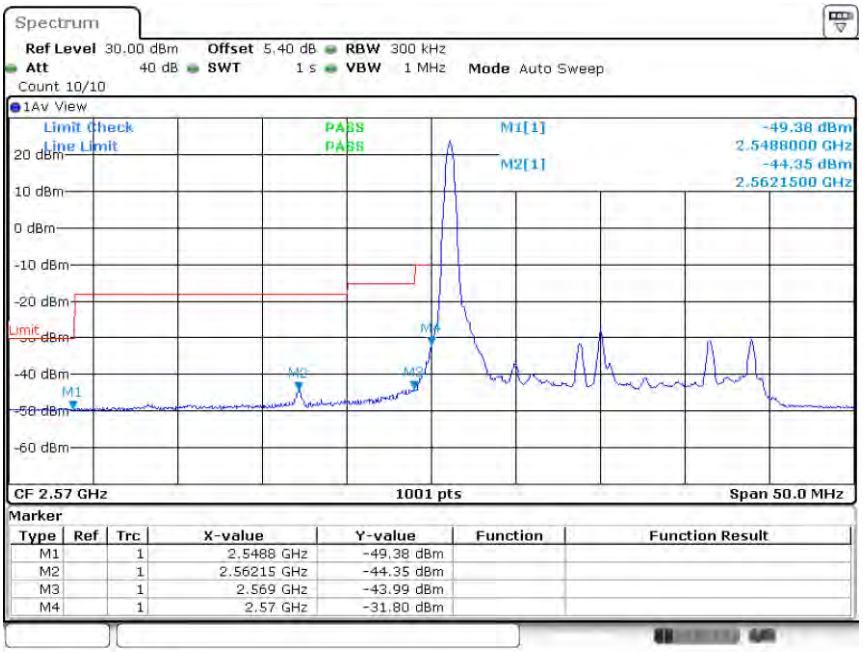
Band38-20MHz-QPSK-37850-1RB#0



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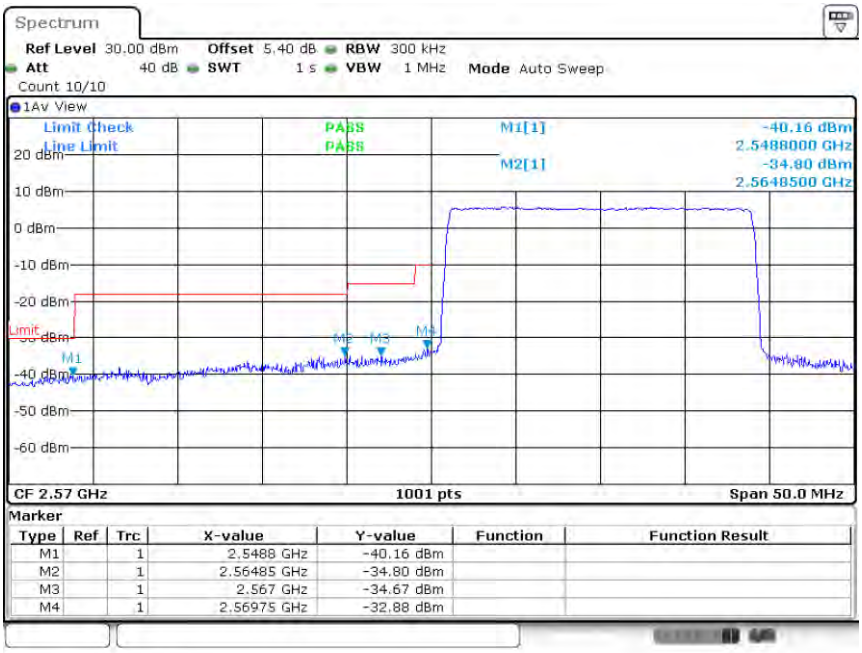
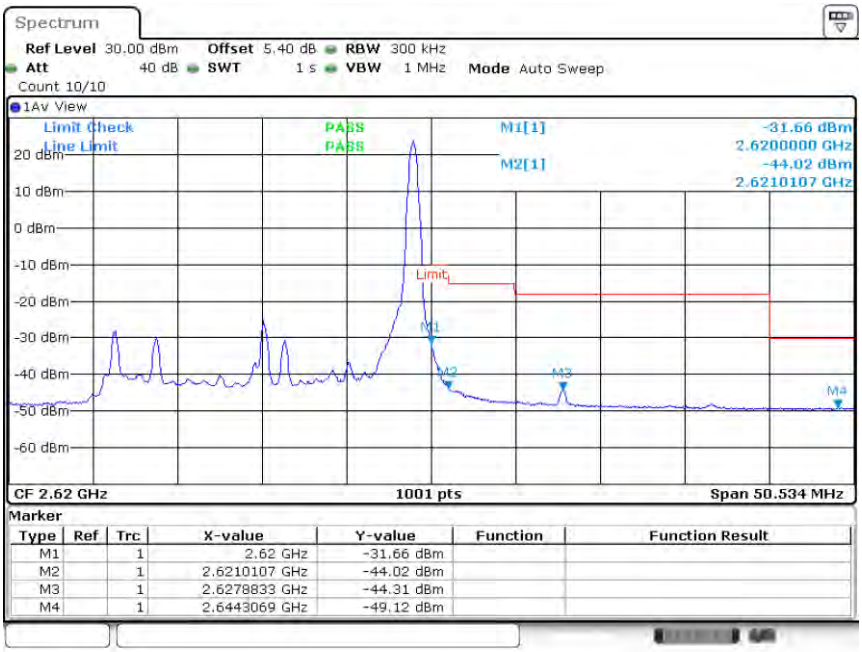
Band38-20MHz-QPSK-37850-100RB#0



Date: 17 SEP.2020 15:08:21

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



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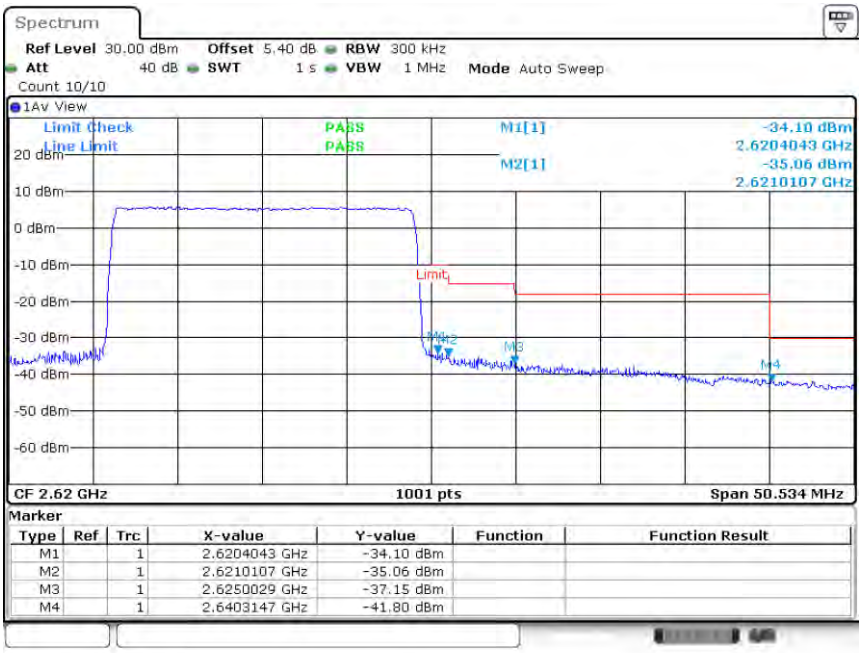
Band38-20MHz-QPSK-38150-100RB#0



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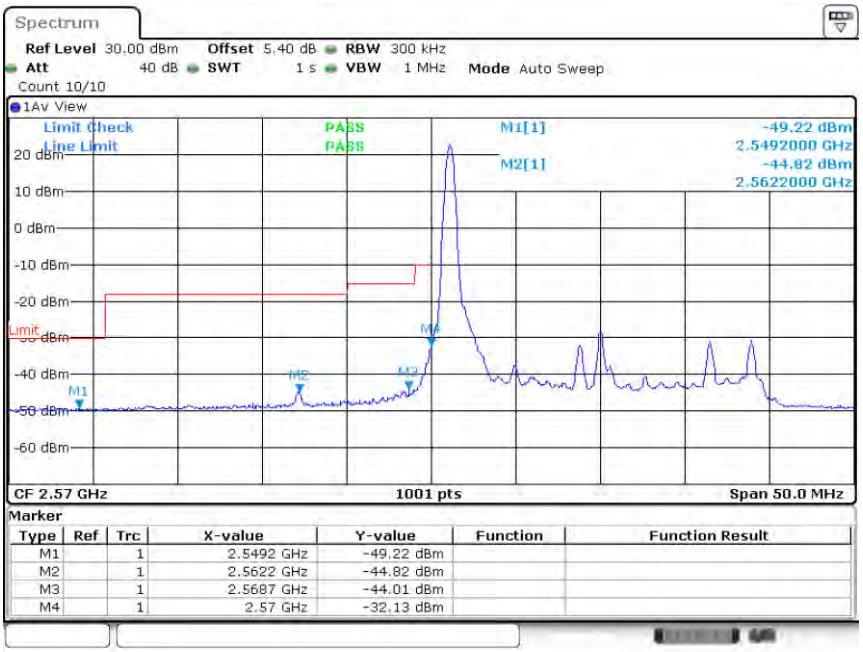
Band38-20MHz-16QAM-37850-1RB#0



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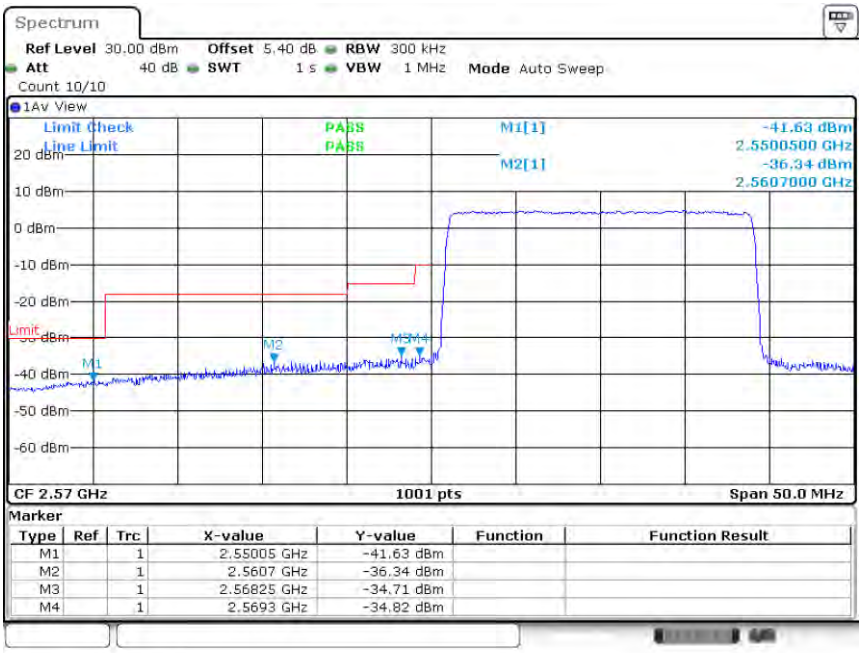
Band38-20MHz-16QAM-37850-100RB#0



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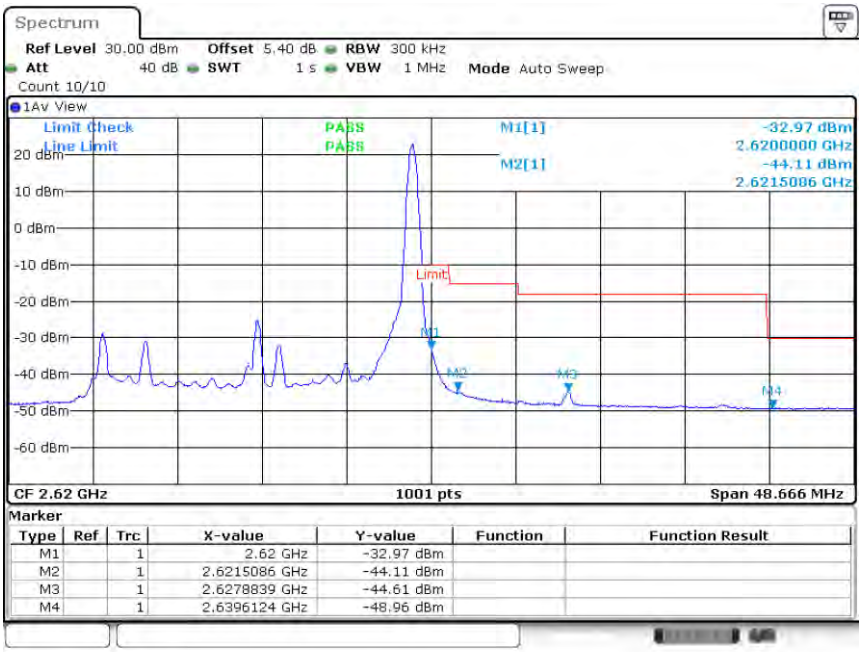
Band38-20MHz-16QAM-38150-1RB#99



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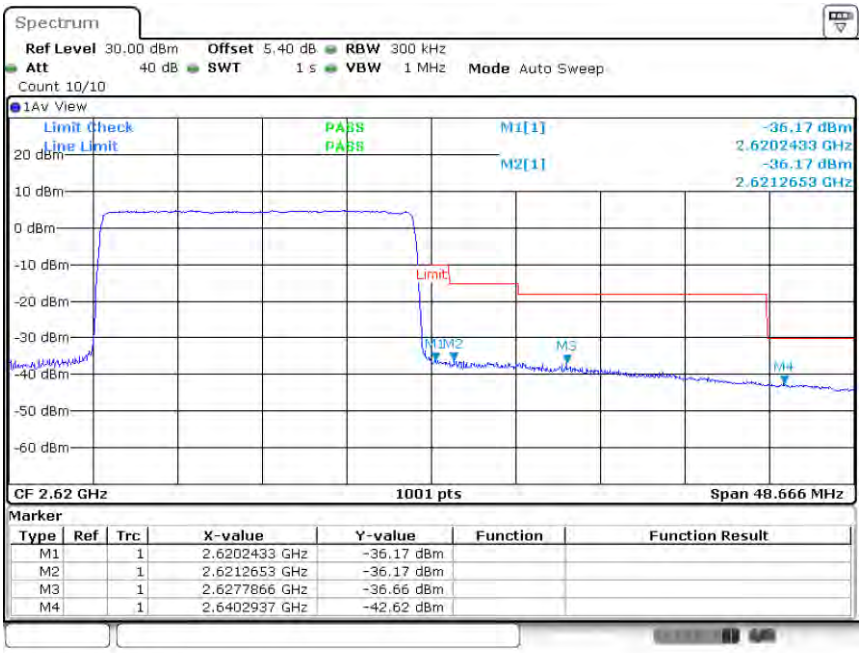
Band38-20MHz-16QAM-38150-100RB#0



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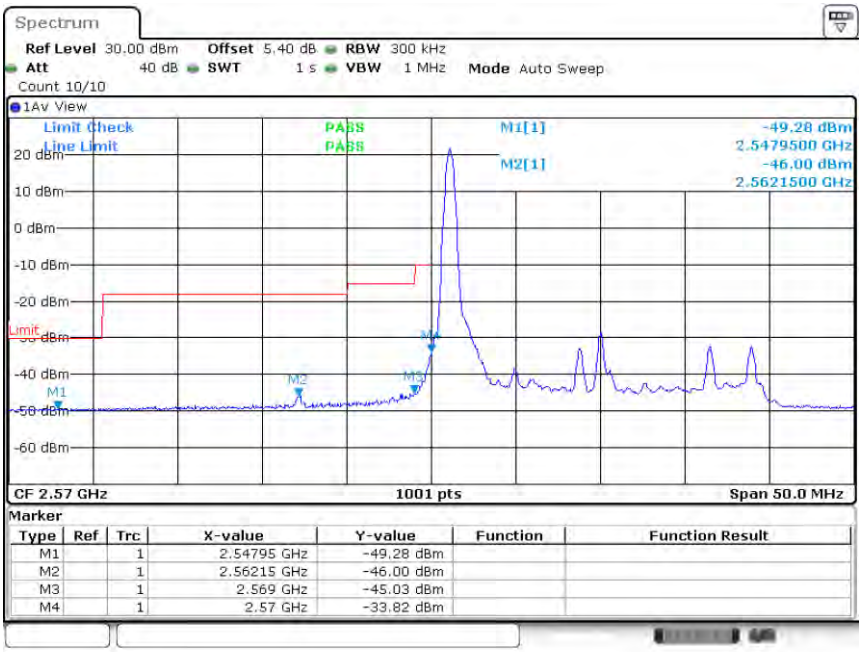
Band38-20MHz-64QAM-37850-1RB#0



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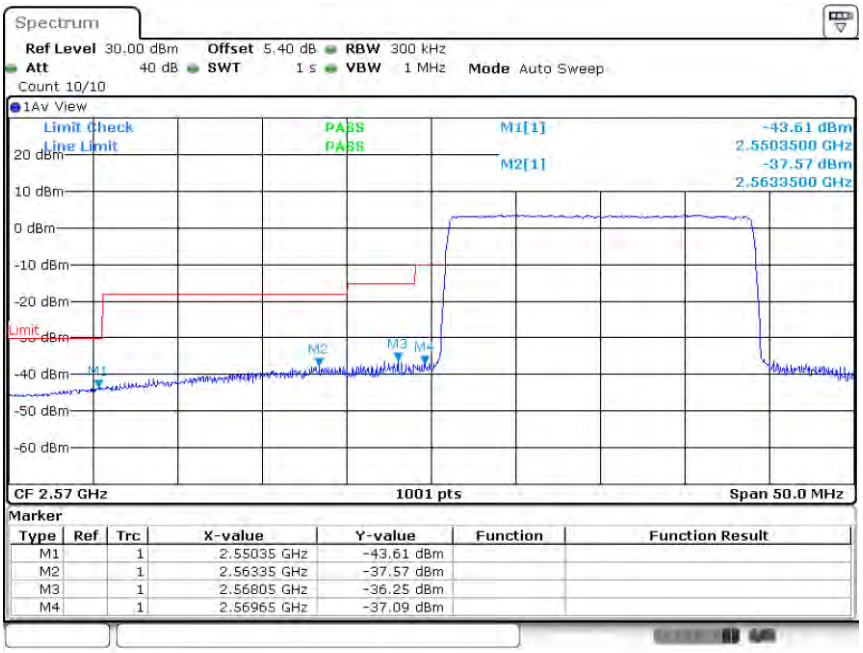
Band38-20MHz-64QAM-37850-100RB#0



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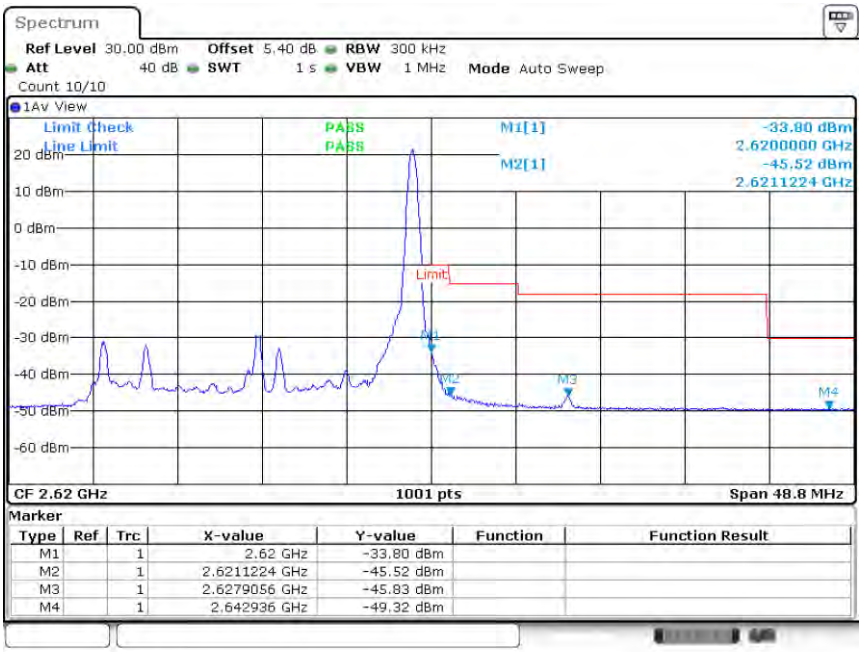
Band38-20MHz-64QAM-38150-1RB#99



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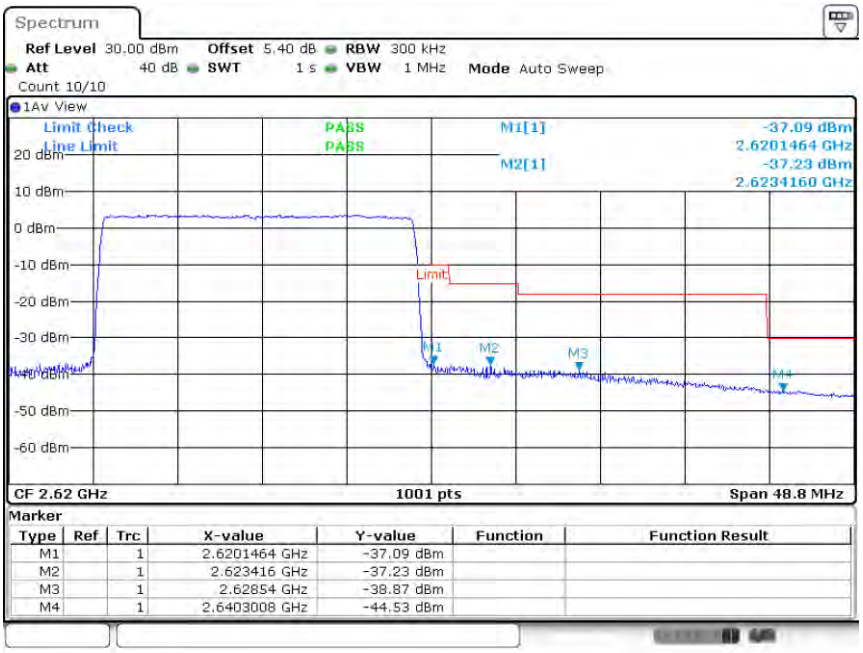
Band38-20MHz-64QAM-38150-100RB#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.6201464 GHz	-37.09 dBm		
M2		1	2.623416 GHz	-37.23 dBm		
M3		1	2.62854 GHz	-38.87 dBm		
M4		1	2.6403008 GHz	-44.53 dBm		

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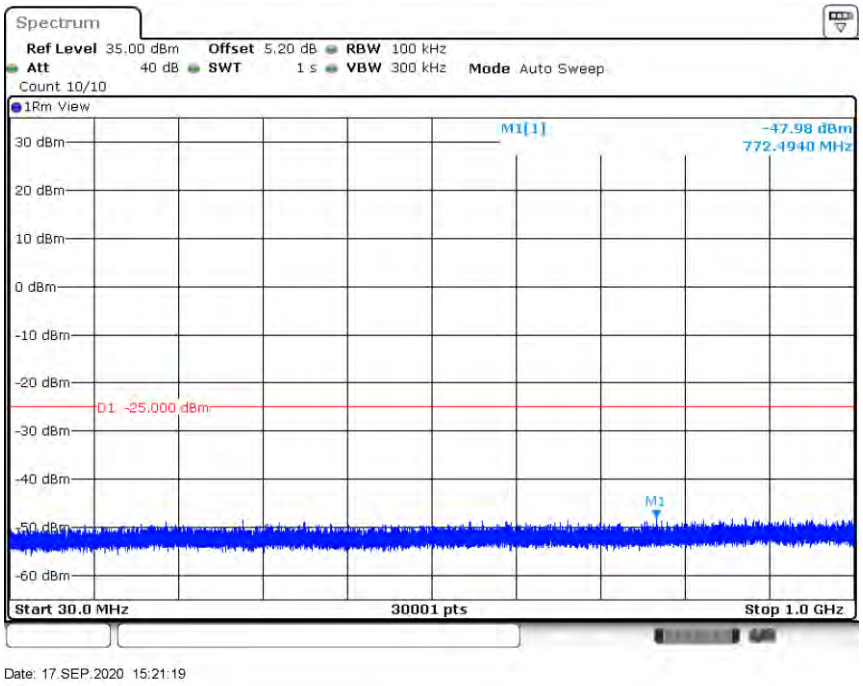
6 Spurious Emission at Antenna Terminal

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-Range1:30~1000MHz



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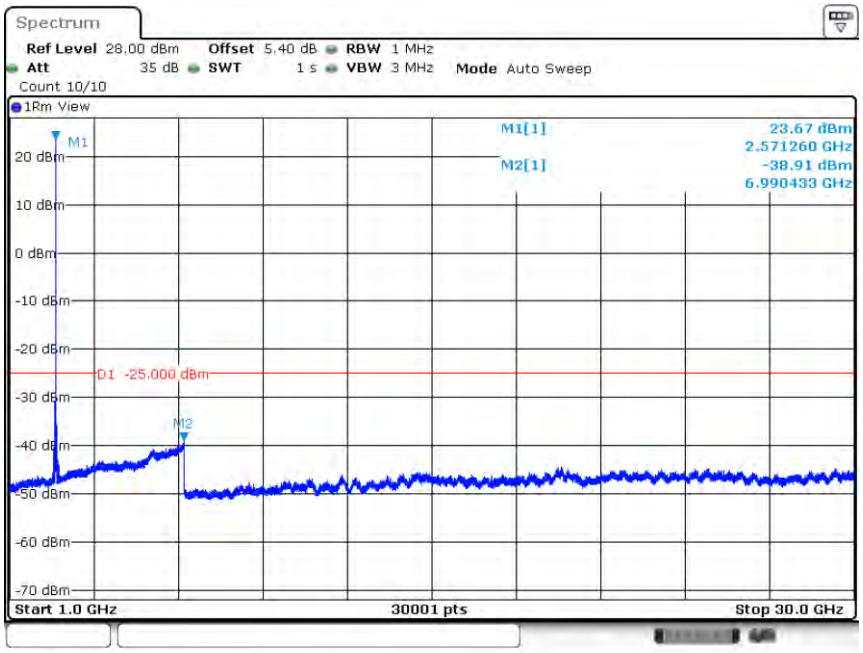
Band38-20MHz-QPSK-37850-1RB#0-Range2:1000~30000MHz



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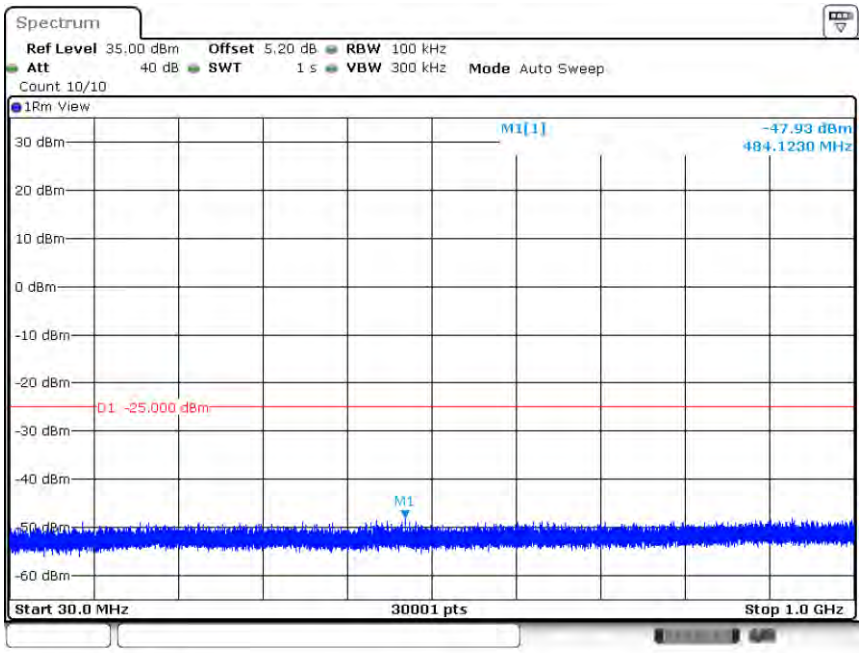

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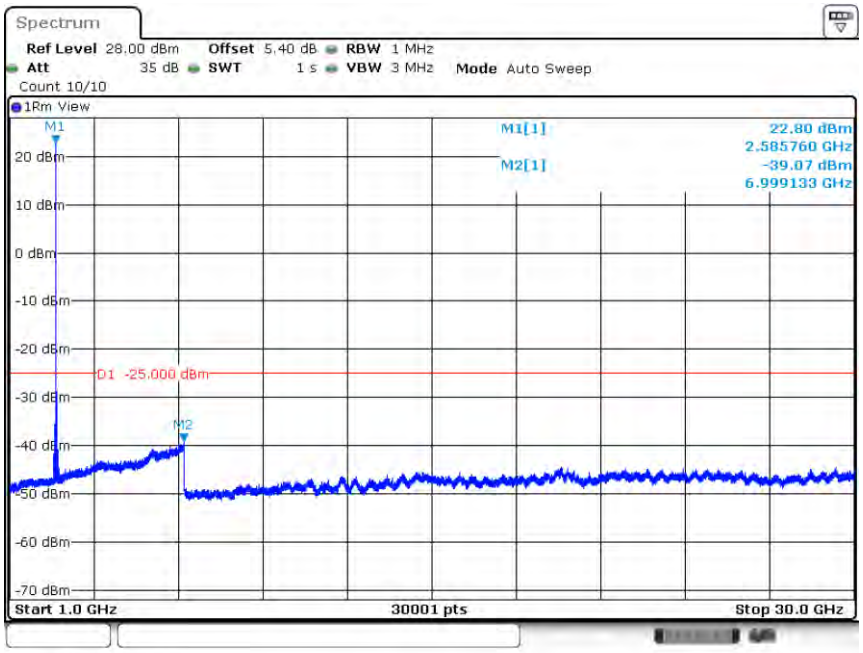
Band38-20MHz-QPSK-38000-1RB#0-Range2:1000~30000MHz



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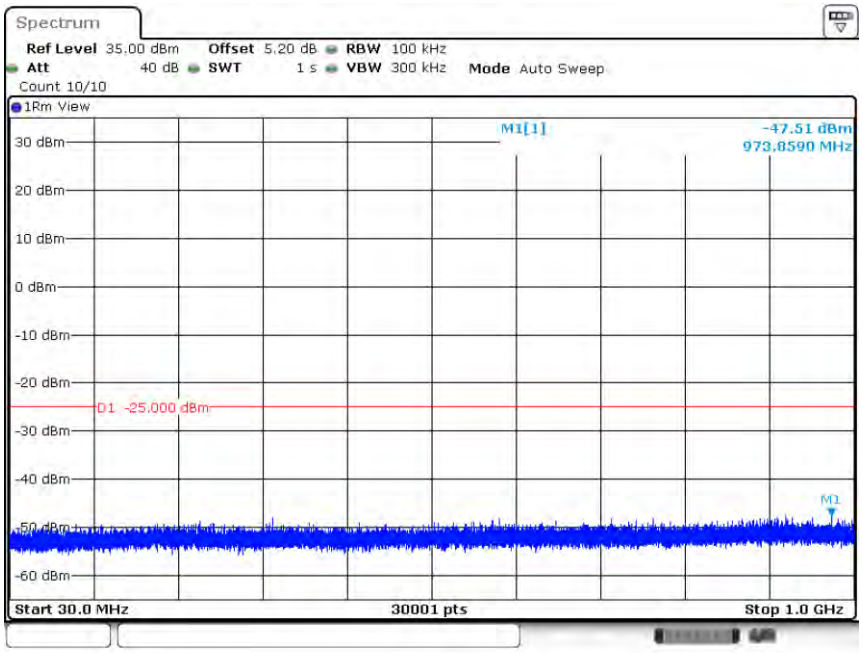

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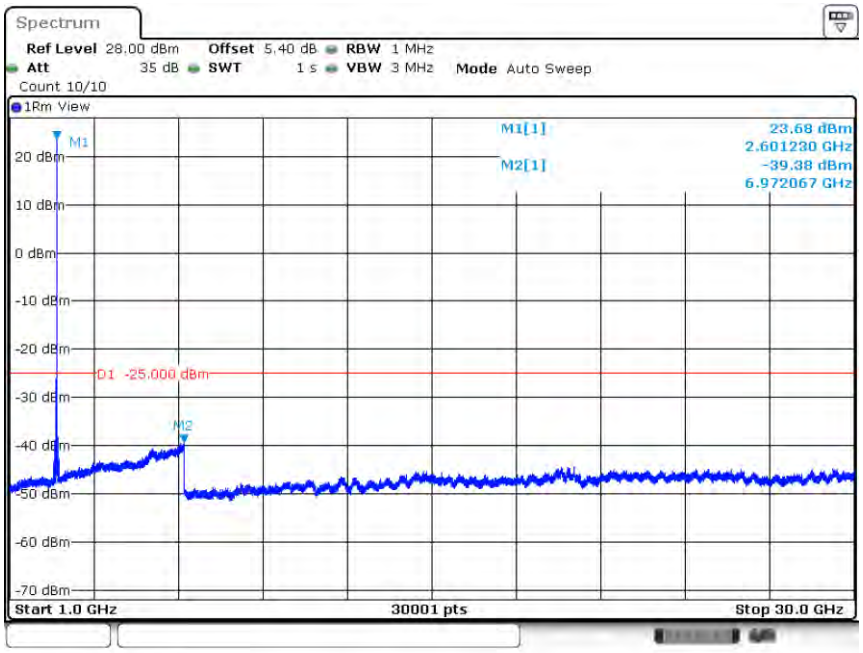

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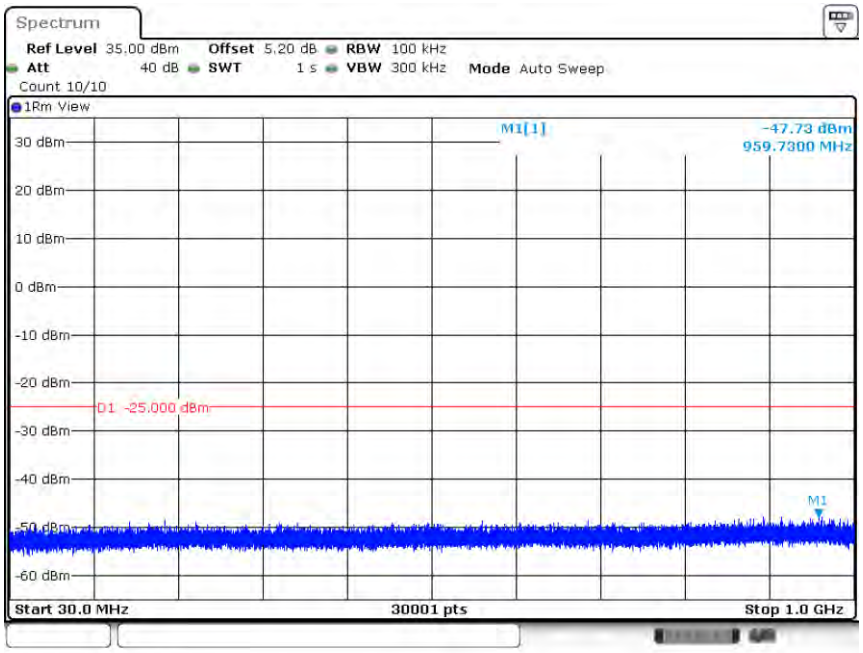

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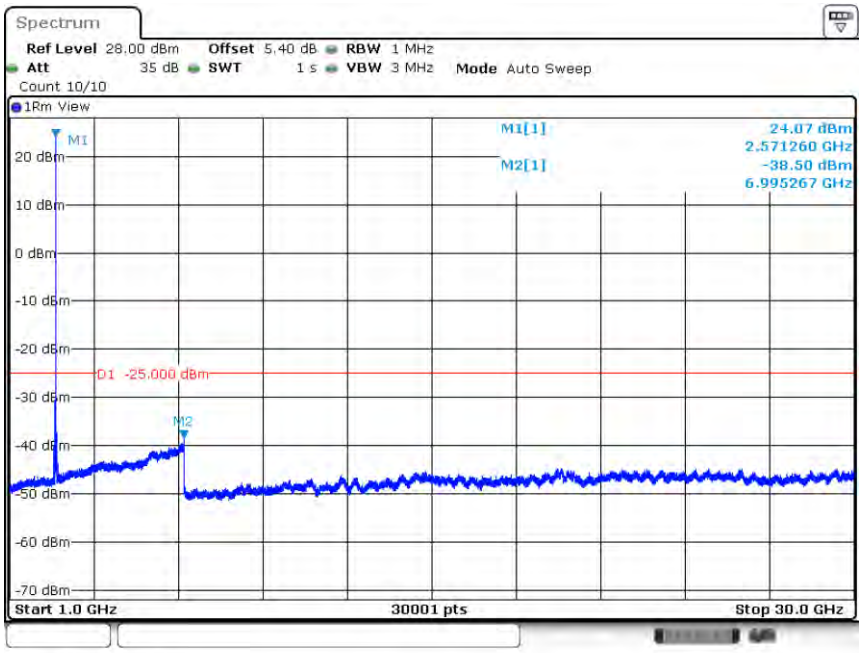

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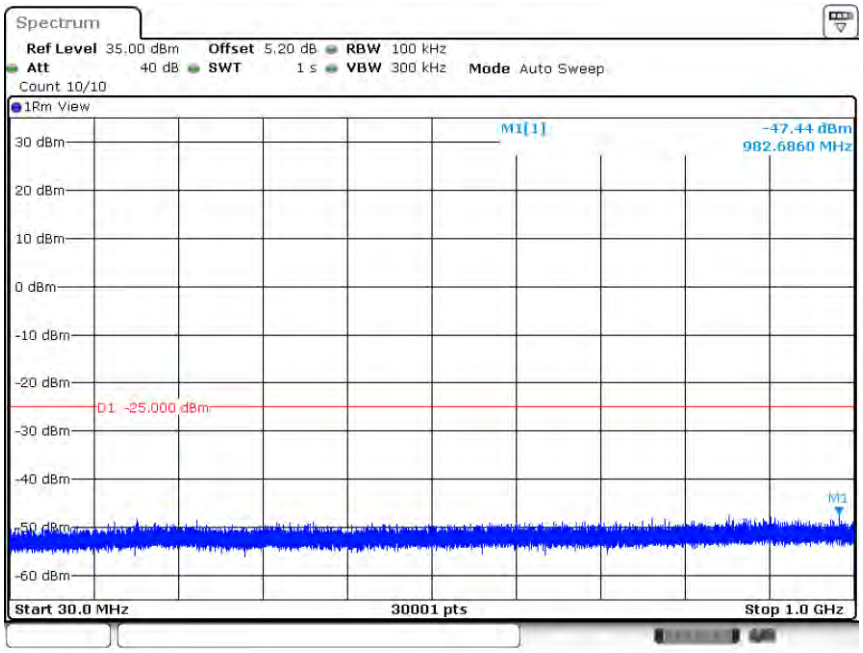

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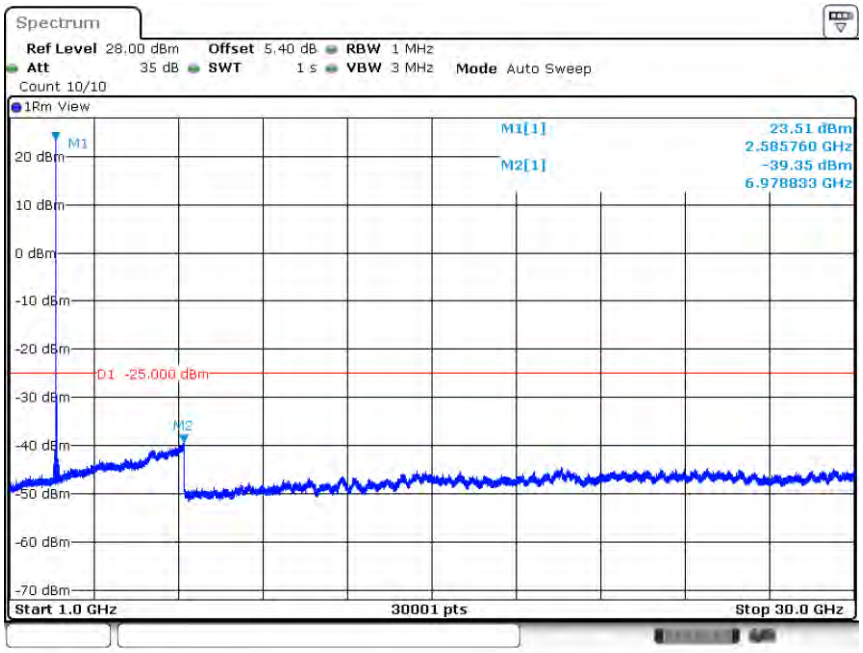

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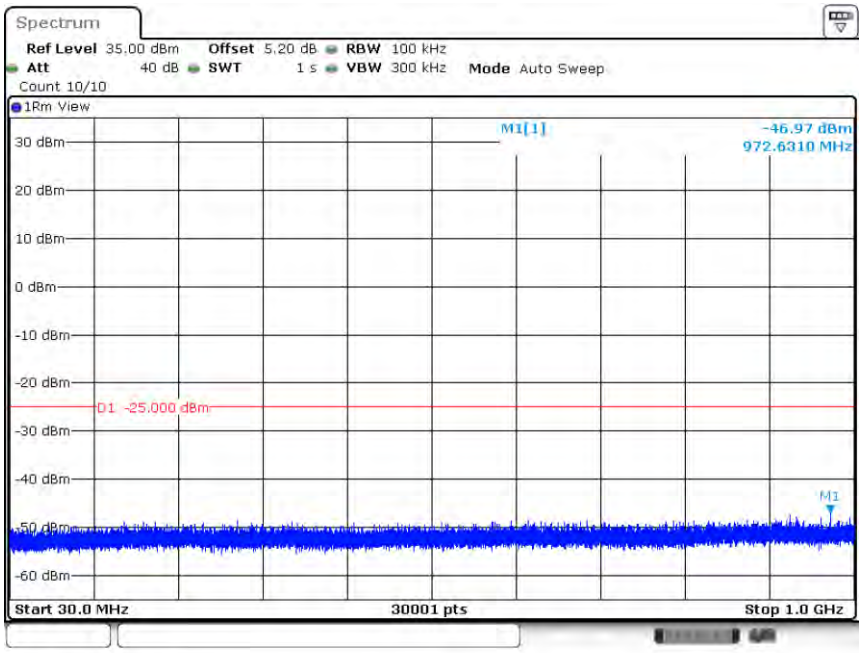

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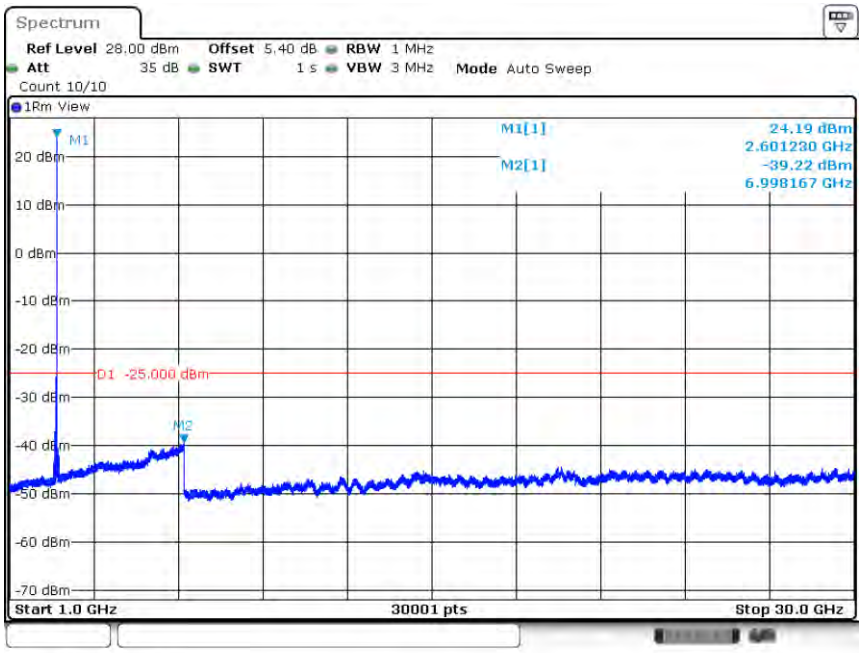

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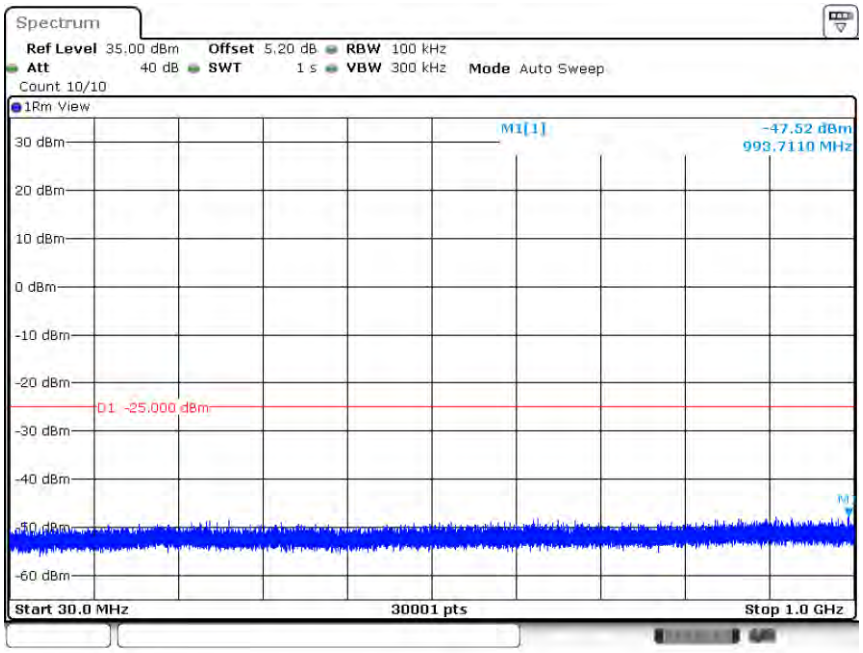

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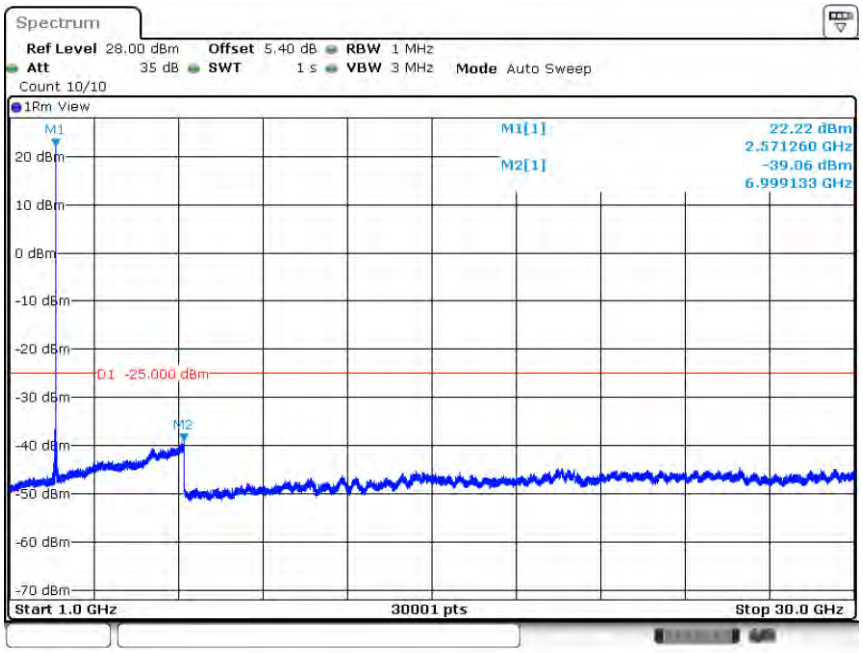

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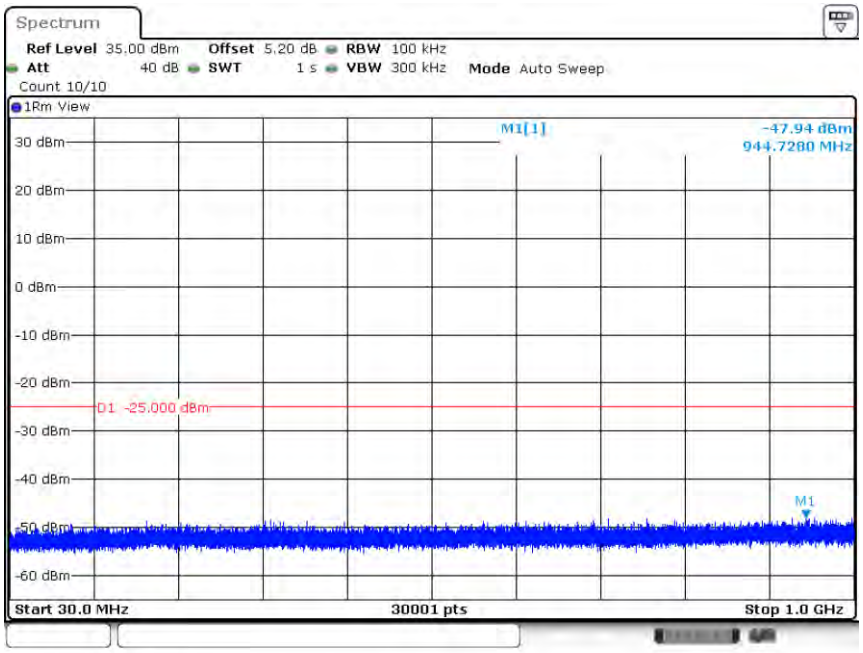

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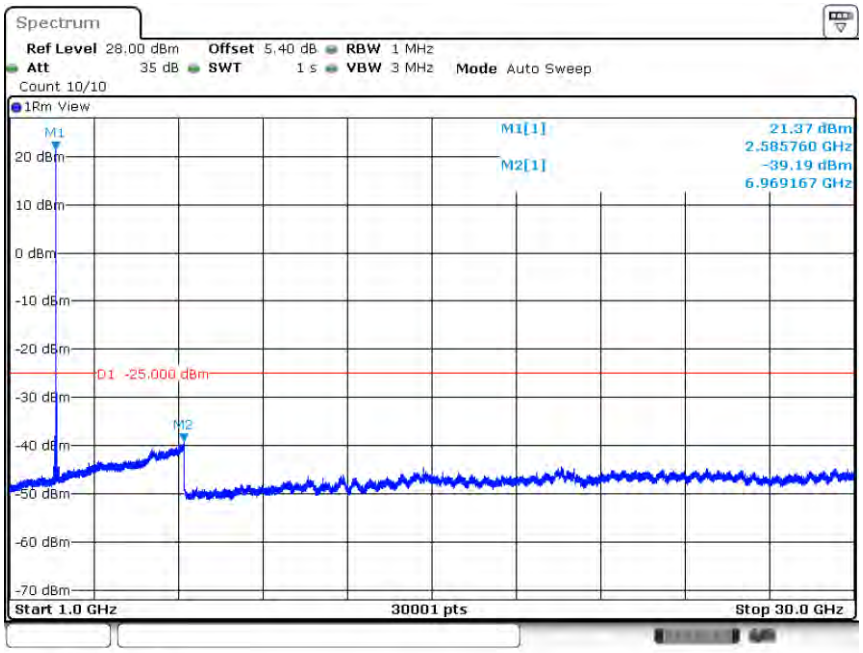

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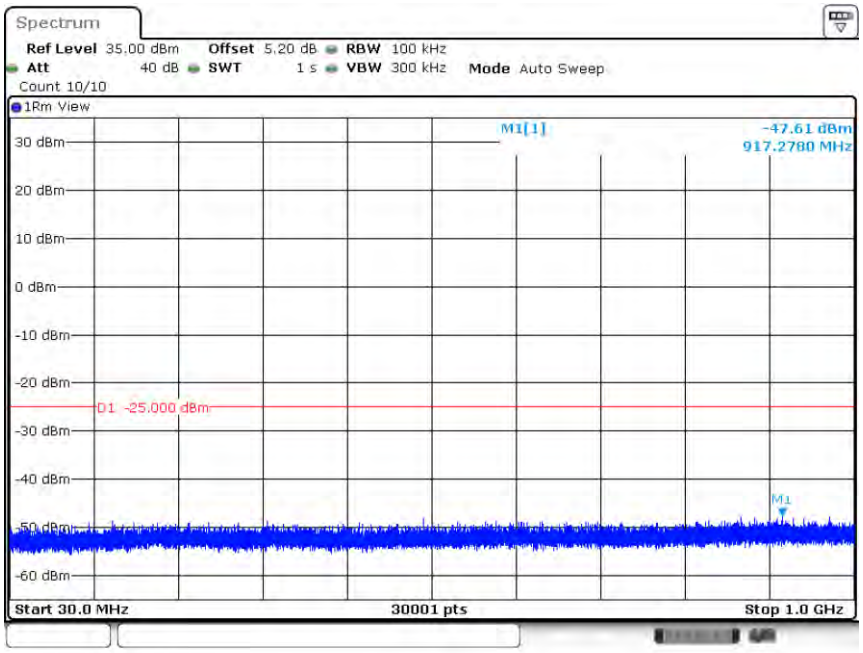

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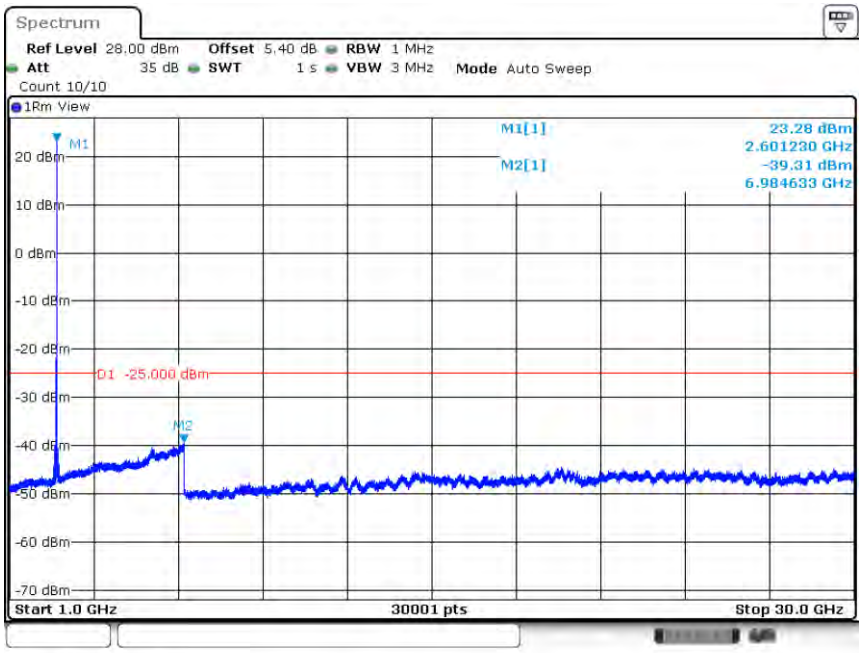

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7 Field Strength of Spurious Radiation

7.1Test Mode =LTE/TM1 20MHz (Ant1)

7.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
46.2968	-72.62	-25.00	47.62	Vertical
111.1931	-64.46	-25.00	39.46	Vertical
368.8379	-67.82	-25.00	42.82	Vertical
3763.0254	-61.61	-25.00	36.61	Vertical
8031.1677	-55.63	-25.00	30.63	Vertical
17994.9998	-39.92	-25.00	14.92	Vertical
44.4052	-64.02	-25.00	39.02	Horizontal
88.8819	-75.10	-25.00	50.10	Horizontal
244.2837	-67.66	-25.00	42.66	Horizontal
3766.5256	-61.19	-25.00	36.19	Horizontal
7464.6488	-56.53	-25.00	31.53	Horizontal
16393.9465	-43.64	-25.00	18.64	Horizontal

7.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.1455	-76.13	-25.00	51.13	Vertical
105.6638	-65.03	-25.00	40.03	Vertical
509.7375	-66.05	-25.00	41.05	Vertical
3828.0276	-61.61	-25.00	36.61	Vertical
7431.6477	-55.92	-25.00	30.92	Vertical
17989.9997	-40.03	-25.00	15.03	Vertical
42.0771	-64.06	-25.00	39.06	Horizontal
89.2215	-75.73	-25.00	50.73	Horizontal
246.4178	-68.02	-25.00	43.02	Horizontal
3677.5226	-61.39	-25.00	36.39	Horizontal
7458.1486	-56.20	-25.00	31.20	Horizontal
16376.4459	-43.49	-25.00	18.49	Horizontal

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7.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.5036	-75.91	-25.00	50.91	Vertical
112.4541	-65.29	-25.00	40.29	Vertical
381.1576	-67.66	-25.00	42.66	Vertical
5011.0670	-61.65	-25.00	36.65	Vertical
7458.1486	-55.53	-25.00	30.53	Vertical
17989.4997	-40.15	-25.00	15.15	Vertical
41.5921	-63.43	-25.00	38.43	Horizontal
101.6381	-74.62	-25.00	49.62	Horizontal
233.7102	-67.94	-25.00	42.94	Horizontal
3612.5204	-61.19	-25.00	36.19	Horizontal
7455.6485	-55.96	-25.00	30.96	Horizontal
16393.9465	-43.74	-25.00	18.74	Horizontal

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7.2 Test Mode =LTE/TM1 20MHz (Ant2)

7.2.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.5036	-73.94	-25.00	48.94	Vertical
111.9691	-64.85	-25.00	39.85	Vertical
301.8561	-68.15	-25.00	43.15	Vertical
3711.0237	-61.97	-25.00	36.97	Vertical
7713.1571	-55.76	-25.00	30.76	Vertical
17997.9999	-39.55	-25.00	14.55	Vertical
39.9915	-63.87	-25.00	38.87	Horizontal
105.0818	-75.59	-25.00	50.59	Horizontal
244.5262	-68.37	-25.00	43.37	Horizontal
5475.5825	-61.18	-25.00	36.18	Horizontal
7713.6571	-57.39	-25.00	32.39	Horizontal
16376.4459	-43.12	-25.00	18.12	Horizontal

7.2.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.3395	-75.98	-25.00	50.98	Vertical
110.6595	-64.95	-25.00	39.95	Vertical
530.4480	-66.51	-25.00	41.51	Vertical
3619.0206	-61.93	-25.00	36.93	Vertical
7758.1586	-56.27	-25.00	31.27	Vertical
17997.4999	-39.83	-25.00	14.83	Vertical
44.8417	-64.36	-25.00	39.36	Horizontal
107.6524	-75.32	-25.00	50.32	Horizontal
249.9100	-68.42	-25.00	43.42	Horizontal
5105.0702	-61.22	-25.00	36.22	Horizontal
7758.6586	-56.54	-25.00	31.54	Horizontal
16399.4466	-42.94	-25.00	17.94	Horizontal

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7.2.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.0485	-75.21	-25.00	50.21	Vertical
109.3015	-64.48	-25.00	39.48	Vertical
599.2245	-63.58	-25.00	38.58	Vertical
5063.0688	-61.73	-25.00	36.73	Vertical
7802.6601	-42.64	-25.00	17.64	Vertical
17997.9999	-39.99	-25.00	14.99	Vertical
44.3567	-64.19	-25.00	39.19	Horizontal
104.5482	-74.66	-25.00	49.66	Horizontal
239.2880	-67.96	-25.00	42.96	Horizontal
3619.0206	-60.89	-25.00	35.89	Horizontal
7803.1601	-40.35	-25.00	15.35	Horizontal
16399.9467	-43.45	-25.00	18.45	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

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	VL	NT	9.20	0.003566	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VN	NT	16.90	0.006550	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VH	NT	9.00	0.003488	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	9.30	0.003584	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	12.90	0.004971	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	9.90	0.003815	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VL	NT	13.20	0.005057	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VN	NT	16.10	0.006169	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VH	NT	15.20	0.005824	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VL	NT	10.30	0.003992	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VN	NT	14.30	0.005543	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VH	NT	13.10	0.005078	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VL	NT	16.20	0.006243	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VN	NT	11.20	0.004316	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VH	NT	9.40	0.003622	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VL	NT	16.90	0.006475	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VN	NT	12.60	0.004828	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VH	NT	12.10	0.004636	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VL	NT	15.30	0.005930	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VN	NT	13.80	0.005349	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VH	NT	14.70	0.005698	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VL	NT	14.00	0.005395	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VN	NT	15.50	0.005973	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VH	NT	10.10	0.003892	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VL	NT	13.60	0.005211	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VN	NT	9.70	0.003716	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VH	NT	10.50	0.004023	±2.5	PASS

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8.2 Frequency Vs Temperature

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	NV	-30	7.40	0.002868	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-20	11.60	0.004496	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-10	15.60	0.006047	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	0	13.80	0.005349	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	10	14.80	0.005736	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	20	8.90	0.003450	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	30	11.70	0.004535	±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	10.70	0.004147	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	14.20	0.005472	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	11.60	0.004470	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-10	8.00	0.003083	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	14.70	0.005665	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	10.70	0.004123	±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	18.60	0.007168	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	11.10	0.004277	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	15.80	0.006089	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-30	14.10	0.005402	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-20	10.50	0.004023	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-10	11.60	0.004444	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	0	12.30	0.004713	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	10	15.90	0.006092	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	20	15.50	0.005939	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	30	14.40	0.005517	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	40	15.10	0.005785	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	50	14.40	0.005517	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-30	14.50	0.005620	±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	-10	13.80	0.005349	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	0	12.30	0.004767	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	10	11.00	0.004264	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	20	12.50	0.004845	±2.5	PASS

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Band38	20MHz	16QAM	37850	100RB#0	NV	30	8.70	0.003372	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	40	15.90	0.006163	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	50	10.90	0.004225	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-30	12.60	0.004855	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-20	11.90	0.004586	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-10	14.20	0.005472	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	0	13.10	0.005048	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	10	19.60	0.007553	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	20	15.20	0.005857	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	30	8.20	0.003160	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	40	11.90	0.004586	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	50	12.00	0.004624	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-30	11.20	0.004291	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-20	12.20	0.004674	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-10	10.90	0.004176	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	0	8.00	0.003065	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	10	13.20	0.005057	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	20	14.50	0.005556	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	30	16.10	0.006169	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	40	13.50	0.005172	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	50	13.80	0.005287	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-30	9.80	0.003798	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-20	13.70	0.005310	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-10	16.00	0.006202	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	0	13.90	0.005388	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	10	9.80	0.003798	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	20	12.00	0.004651	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	30	9.60	0.003721	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	40	9.70	0.003760	±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	10.30	0.003969	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-20	16.10	0.006204	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-10	10.50	0.004046	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	0	10.50	0.004046	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	10	10.70	0.004123	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	20	15.00	0.005780	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	30	19.40	0.007476	±2.5	PASS

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Band38	20MHz	64QAM	38000	100RB#0	NV	40	15.30	0.005896	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	50	11.70	0.004509	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-30	13.40	0.005134	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-20	14.60	0.005594	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-10	17.00	0.006513	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	0	11.60	0.004444	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	10	9.60	0.003678	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	20	12.30	0.004713	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	30	14.80	0.005670	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	40	11.20	0.004291	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	50	11.80	0.004521	±2.5	PASS

The End

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