Appendix B

E-UTRA Band 7

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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.21	23.31	33	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.31	23.41	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.34	23.44	33	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.38	22.48	33	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.40	22.50	33	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.36	22.46	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.40	22.50	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.29	23.39	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.35	23.45	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.36	23.46	33	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.37	22.47	33	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.38	22.48	33	PASS
Band7	5MHz	QPSK	21100	12RB#13	22.34	22.44	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.43	22.53	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.07	23.17	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.12	23.22	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.15	23.25	33	PASS
Band7	5MHz	QPSK	21425	12RB#0	22.21	22.31	33	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.23	22.33	33	PASS
Band7	5MHz	QPSK	21425	12RB#13	22.19	22.29	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.24	22.34	33	PASS
Band7	5MHz	64QAM	20775	1RB#0	21.69	21.79	33	PASS
Band7	5MHz	64QAM	20775	1RB#12	21.64	21.74	33	PASS
Band7	5MHz	64QAM	20775	1RB#24	21.69	21.79	33	PASS
Band7	5MHz	64QAM	20775	12RB#0	20.36	20.46	33	PASS
Band7	5MHz	64QAM	20775	12RB#6	20.52	20.62	33	PASS
Band7	5MHz	64QAM	20775	12RB#13	20.55	20.65	33	PASS

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Band7	5MHz	64QAM	20775	25RB#0	20.42	20.52	33	PASS
Band7	5MHz	64QAM	21100	1RB#0	21.59	21.69	33	PASS
Band7	5MHz	64QAM	21100	1RB#12	21.26	21.36	33	PASS
Band7	5MHz	64QAM	21100	1RB#24	21.78	21.88	33	PASS
Band7	5MHz	64QAM	21100	12RB#0	20.44	20.54	33	PASS
Band7	5MHz	64QAM	21100	12RB#6	20.45	20.55	33	PASS
Band7	5MHz	64QAM	21100	12RB#13	20.32	20.42	33	PASS
Band7	5MHz	64QAM	21100	25RB#0	20.37	20.47	33	PASS
Band7	5MHz	64QAM	21425	1RB#0	21.50	21.60	33	PASS
Band7	5MHz	64QAM	21425	1RB#12	21.60	21.70	33	PASS
Band7	5MHz	64QAM	21425	1RB#24	21.64	21.74	33	PASS
Band7	5MHz	64QAM	21425	12RB#0	20.08	20.18	33	PASS
Band7	5MHz	64QAM	21425	12RB#6	20.08	20.18	33	PASS
Band7	5MHz	64QAM	21425	12RB#13	20.11	20.21	33	PASS
Band7	5MHz	64QAM	21425	25RB#0	19.99	20.09	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.67	22.77	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.72	22.82	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.66	22.76	33	PASS
Band7	5MHz	16QAM	20775	12RB#0	21.40	21.50	33	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.41	21.51	33	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.39	21.49	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.40	21.50	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.72	22.82	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.64	22.74	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.68	22.78	33	PASS
Band7	5MHz	16QAM	21100	12RB#0	21.40	21.50	33	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.41	21.51	33	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.37	21.47	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.40	21.50	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.49	22.59	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.52	22.62	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.51	22.61	33	PASS
Band7	5MHz	16QAM	21425	12RB#0	21.21	21.31	33	PASS

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Band7	5MHz	16QAM	21425	12RB#6	21.20	21.30	33	PASS
Band7	5MHz	16QAM	21425	12RB#13	21.17	21.27	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.19	21.29	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.54	23.64	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.39	23.49	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.52	23.62	33	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.37	22.47	33	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.34	22.44	33	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.41	22.51	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.41	22.51	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.56	23.66	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.39	23.49	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.51	23.61	33	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.36	22.46	33	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.40	22.50	33	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.40	22.50	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.37	22.47	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.34	23.44	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.13	23.23	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.29	23.39	33	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.26	22.36	33	PASS
Band7	10MHz	QPSK	21400	25RB#12	22.20	22.30	33	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.23	22.33	33	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.26	22.36	33	PASS
Band7	10MHz	64QAM	20800	1RB#0	21.71	21.81	33	PASS
Band7	10MHz	64QAM	20800	1RB#24	21.57	21.67	33	PASS
Band7	10MHz	64QAM	20800	1RB#49	21.79	21.89	33	PASS
Band7	10MHz	64QAM	20800	25RB#0	20.40	20.50	33	PASS
Band7	10MHz	64QAM	20800	25RB#12	20.50	20.60	33	PASS
Band7	10MHz	64QAM	20800	25RB#25	20.48	20.58	33	PASS
Band7	10MHz	64QAM	20800	50RB#0	20.43	20.53	33	PASS
Band7	10MHz	64QAM	21100	1RB#0	21.57	21.67	33	PASS
Band7	10MHz	64QAM	21100	1RB#24	21.30	21.40	33	PASS

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Band7	10MHz	64QAM	21100	25RB#0	20.47	20.57	33	PASS
Band7	10MHz	64QAM	21100	25RB#12	20.45	20.55	33	PASS
Band7	10MHz	64QAM	21100	25RB#25	20.31	20.41	33	PASS
Band7	10MHz	64QAM	21100	50RB#0	20.36	20.46	33	PASS
Band7	10MHz	64QAM	21400	1RB#0	21.37	21.47	33	PASS
Band7	10MHz	64QAM	21400	1RB#24	21.53	21.63	33	PASS
Band7	10MHz	64QAM	21400	1RB#49	21.62	21.72	33	PASS
Band7	10MHz	64QAM	21400	25RB#0	20.21	20.31	33	PASS
Band7	10MHz	64QAM	21400	25RB#12	20.19	20.29	33	PASS
Band7	10MHz	64QAM	21400	25RB#25	20.19	20.29	33	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.10	20.20	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.48	22.58	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.45	22.55	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.55	22.65	33	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.41	21.51	33	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.41	21.51	33	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.44	21.54	33	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.44	21.54	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.65	22.75	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.42	22.52	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.84	22.94	33	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.34	21.44	33	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.42	21.52	33	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.46	21.56	33	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.34	21.44	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.43	22.53	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.83	22.93	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.63	22.73	33	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.30	21.40	33	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.18	21.28	33	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.27	21.37	33	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.30	21.40	33	PASS

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Band7	15MHz	QPSK	20825	1RB#0	23.19	23.29	33	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.63	23.73	33	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.71	23.81	33	PASS
Band7	15MHz	QPSK	20825	36RB#0	22.61	22.71	33	PASS
Band7	15MHz	QPSK	20825	36RB#18	22.65	22.75	33	PASS
Band7	15MHz	QPSK	20825	36RB#39	22.65	22.75	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.65	22.75	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.28	23.38	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.55	23.65	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.53	23.63	33	PASS
Band7	15MHz	QPSK	21100	36RB#0	22.51	22.61	33	PASS
Band7	15MHz	QPSK	21100	36RB#18	22.55	22.65	33	PASS
Band7	15MHz	QPSK	21100	36RB#39	22.61	22.71	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.53	22.63	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.03	23.13	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.22	23.32	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.37	23.47	33	PASS
Band7	15MHz	QPSK	21375	36RB#0	22.36	22.46	33	PASS
Band7	15MHz	QPSK	21375	36RB#18	22.34	22.44	33	PASS
Band7	15MHz	QPSK	21375	36RB#39	22.21	22.31	33	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.25	22.35	33	PASS
Band7	15MHz	64QAM	20825	1RB#0	21.68	21.78	33	PASS
Band7	15MHz	64QAM	20825	1RB#38	21.61	21.71	33	PASS
Band7	15MHz	64QAM	20825	1RB#74	21.71	21.81	33	PASS
Band7	15MHz	64QAM	20825	36RB#0	20.47	20.57	33	PASS
Band7	15MHz	64QAM	20825	36RB#18	20.44	20.54	33	PASS
Band7	15MHz	64QAM	20825	36RB#39	20.59	20.69	33	PASS
Band7	15MHz	64QAM	20825	75RB#0	20.45	20.55	33	PASS
Band7	15MHz	64QAM	21100	1RB#0	21.59	21.69	33	PASS
Band7	15MHz	64QAM	21100	1RB#38	21.27	21.37	33	PASS
Band7	15MHz	64QAM	21100	1RB#74	21.72	21.82	33	PASS
Band7	15MHz	64QAM	21100	36RB#0	20.53	20.63	33	PASS
Band7	15MHz	64QAM	21100	36RB#18	20.54	20.64	33	PASS

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Band7	15MHz	64QAM	21100	36RB#39	20.34	20.44	33	PASS
Band7	15MHz	64QAM	21100	75RB#0	20.40	20.50	33	PASS
Band7	15MHz	64QAM	21375	1RB#0	21.46	21.56	33	PASS
Band7	15MHz	64QAM	21375	1RB#38	21.66	21.76	33	PASS
Band7	15MHz	64QAM	21375	1RB#74	21.57	21.67	33	PASS
Band7	15MHz	64QAM	21375	36RB#0	20.22	20.32	33	PASS
Band7	15MHz	64QAM	21375	36RB#18	20.14	20.24	33	PASS
Band7	15MHz	64QAM	21375	36RB#39	20.18	20.28	33	PASS
Band7	15MHz	64QAM	21375	75RB#0	20.12	20.22	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.63	22.73	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.59	22.69	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.64	22.74	33	PASS
Band7	15MHz	16QAM	20825	36RB#0	21.67	21.77	33	PASS
Band7	15MHz	16QAM	20825	36RB#18	21.62	21.72	33	PASS
Band7	15MHz	16QAM	20825	36RB#39	21.64	21.74	33	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.70	21.80	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.71	22.81	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.68	22.78	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.75	22.85	33	PASS
Band7	15MHz	16QAM	21100	36RB#0	21.56	21.66	33	PASS
Band7	15MHz	16QAM	21100	36RB#18	21.54	21.64	33	PASS
Band7	15MHz	16QAM	21100	36RB#39	21.58	21.68	33	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.66	21.76	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.54	22.64	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.54	22.64	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.70	22.80	33	PASS
Band7	15MHz	16QAM	21375	36RB#0	21.32	21.42	33	PASS
Band7	15MHz	16QAM	21375	36RB#18	21.36	21.46	33	PASS
Band7	15MHz	16QAM	21375	36RB#39	21.20	21.30	33	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.26	21.36	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.11	23.21	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.54	23.64	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.57	23.67	33	PASS

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Band7	20MHz	QPSK	20850	50RB#25	22.63	22.73	33	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.62	22.72	33	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.71	22.81	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.63	22.73	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.17	23.27	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.42	23.52	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.56	23.66	33	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.59	22.69	33	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.58	22.68	33	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.63	22.73	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.67	22.77	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.10	23.20	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.26	23.36	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.31	23.41	33	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.39	22.49	33	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.31	22.41	33	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.27	22.37	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.34	22.44	33	PASS
Band7	20MHz	64QAM	20850	1RB#0	21.73	21.83	33	PASS
Band7	20MHz	64QAM	20850	1RB#49	21.58	21.68	33	PASS
Band7	20MHz	64QAM	20850	1RB#99	21.78	21.88	33	PASS
Band7	20MHz	64QAM	20850	50RB#25	20.39	20.49	33	PASS
Band7	20MHz	64QAM	20850	50RB#0	20.47	20.57	33	PASS
Band7	20MHz	64QAM	20850	50RB#50	20.54	20.64	33	PASS
Band7	20MHz	64QAM	20850	100RB#0	20.48	20.58	33	PASS
Band7	20MHz	64QAM	21100	1RB#0	21.62	21.72	33	PASS
Band7	20MHz	64QAM	21100	1RB#49	21.26	21.36	33	PASS
Band7	20MHz	64QAM	21100	1RB#99	21.71	21.81	33	PASS
Band7	20MHz	64QAM	21100	50RB#25	20.50	20.60	33	PASS
Band7	20MHz	64QAM	21100	50RB#0	20.56	20.66	33	PASS
Band7	20MHz	64QAM	21100	50RB#50	20.30	20.40	33	PASS
Band7	20MHz	64QAM	21100	100RB#0	20.41	20.51	33	PASS
Band7	20MHz	64QAM	21350	1RB#0	21.48	21.58	33	PASS

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Band7	20MHz	64QAM	21350	1RB#49	21.62	21.72	33	PASS
Band7	20MHz	64QAM	21350	1RB#99	21.63	21.73	33	PASS
Band7	20MHz	64QAM	21350	50RB#25	20.14	20.24	33	PASS
Band7	20MHz	64QAM	21350	50RB#0	20.13	20.23	33	PASS
Band7	20MHz	64QAM	21350	50RB#50	20.22	20.32	33	PASS
Band7	20MHz	64QAM	21350	100RB#0	20.10	20.20	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.87	22.97	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.74	22.84	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.90	23.00	33	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.57	21.67	33	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.64	21.74	33	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.73	21.83	33	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.58	21.68	33	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.75	22.85	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.46	22.56	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.88	22.98	33	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.69	21.79	33	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.66	21.76	33	PASS
Band7	20MHz	16QAM	21100	50RB#50	21.50	21.60	33	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.56	21.66	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.61	22.71	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.78	22.88	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.74	22.84	33	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.32	21.42	33	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.30	21.40	33	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.32	21.42	33	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.24	21.34	33	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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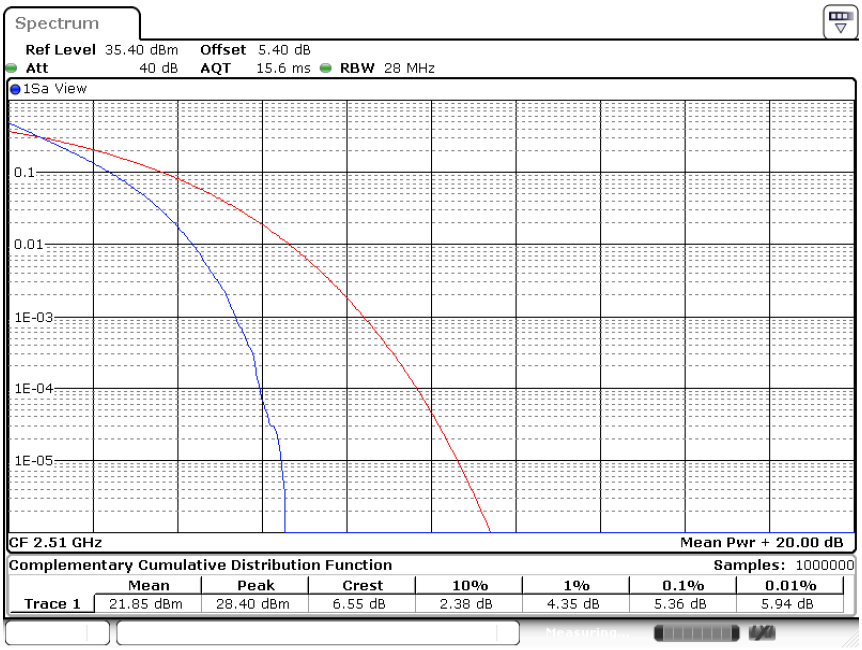
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.36	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.22	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.45	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.46	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.49	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.58	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.23	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.06	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.29	13	PASS

2.2. Test Plots

Band7-20MHz-QPSK-20850-100RB#0



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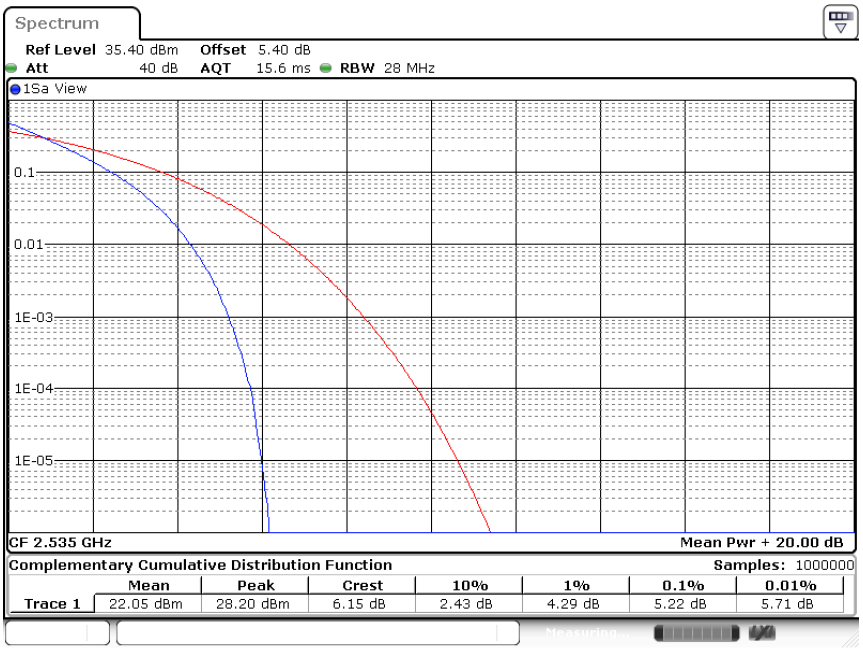

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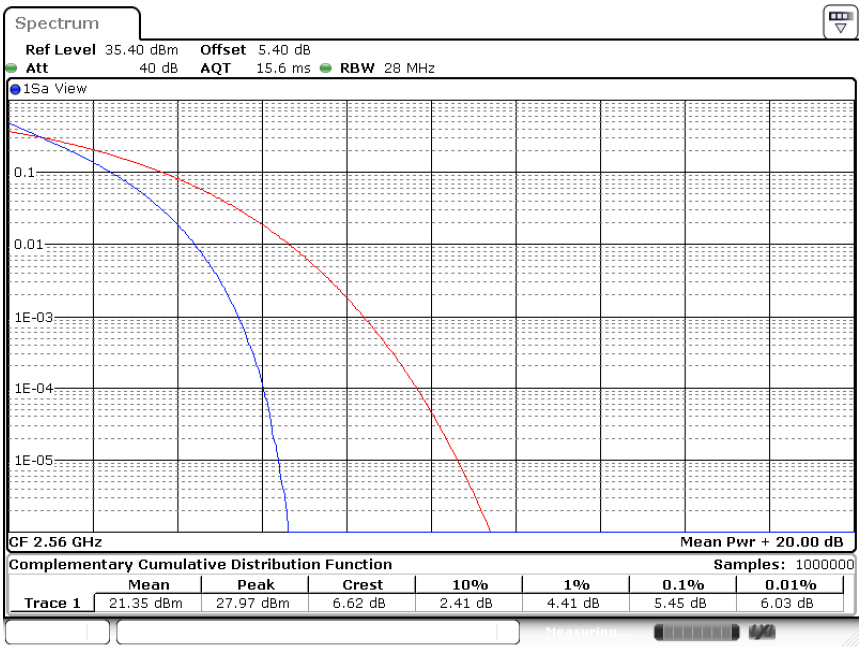
Band7-20MHz-QPSK-21350-100RB#0



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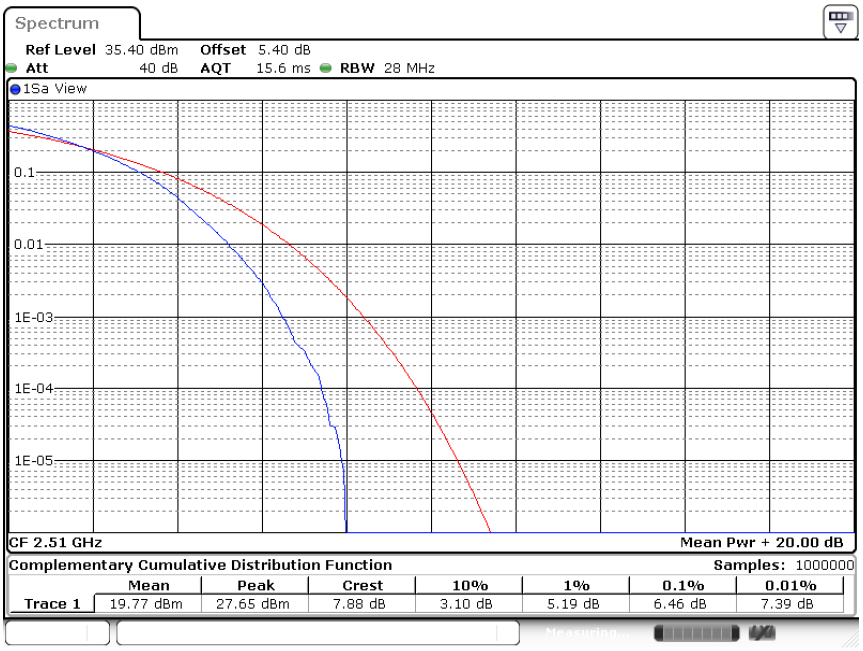

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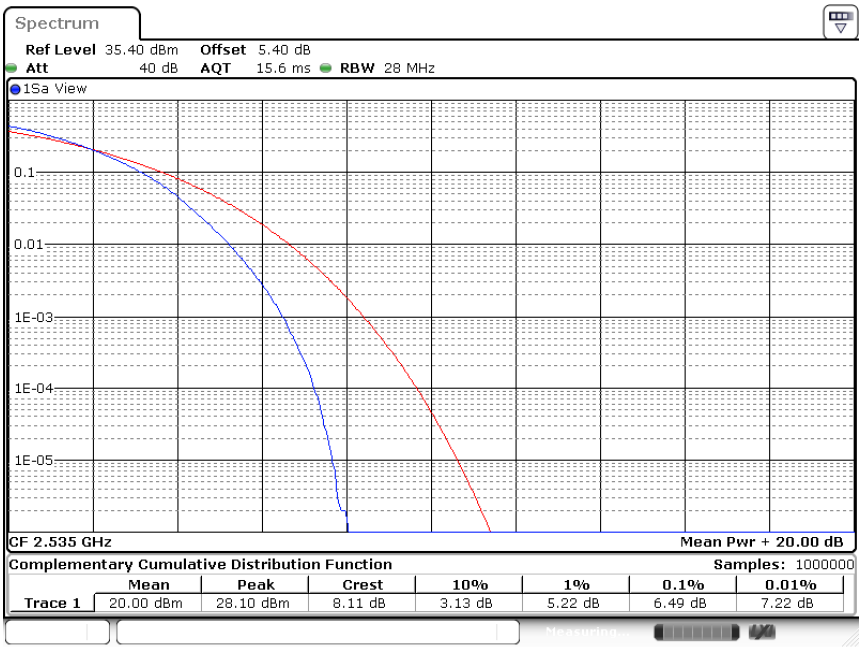

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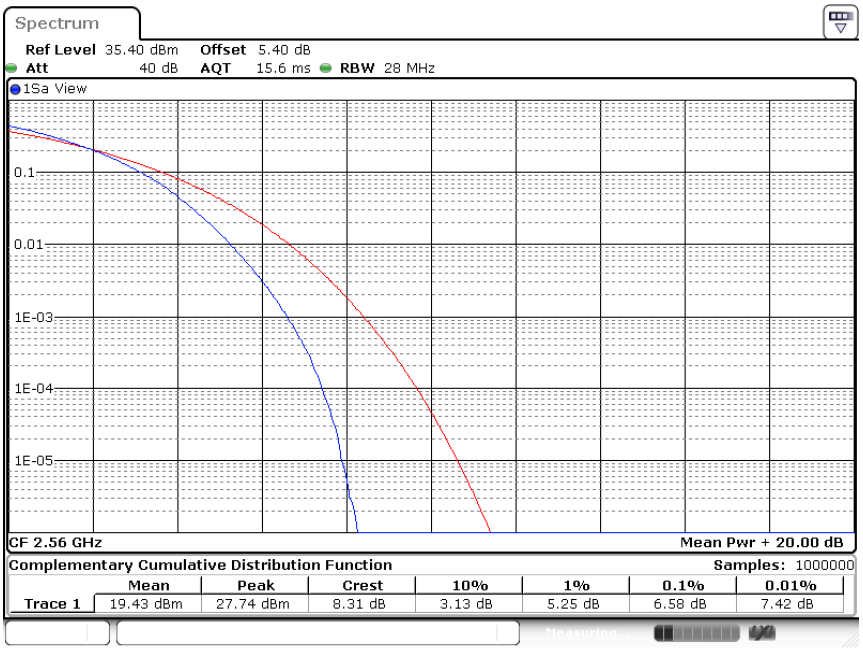

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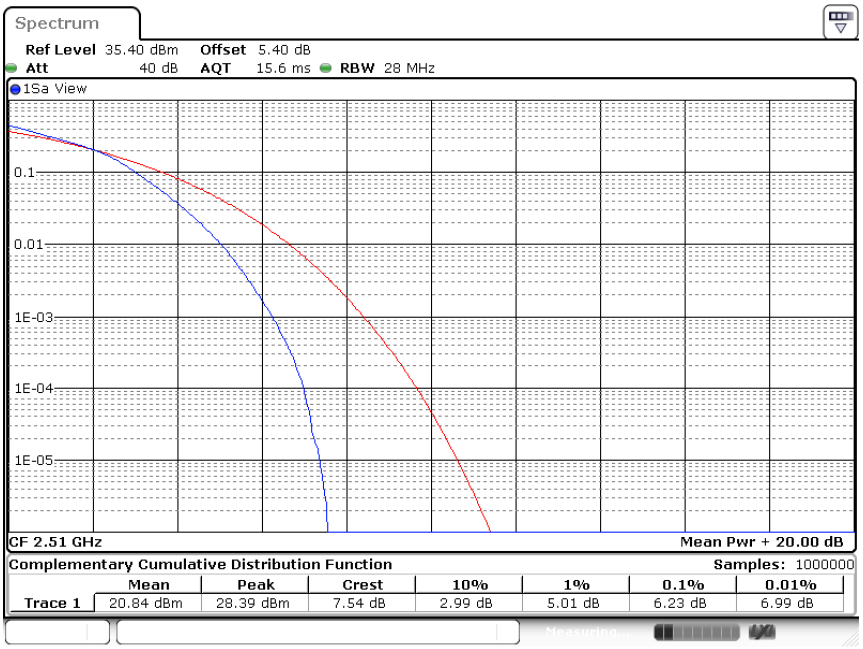
Band7-20MHz-16QAM-20850-100RB#0



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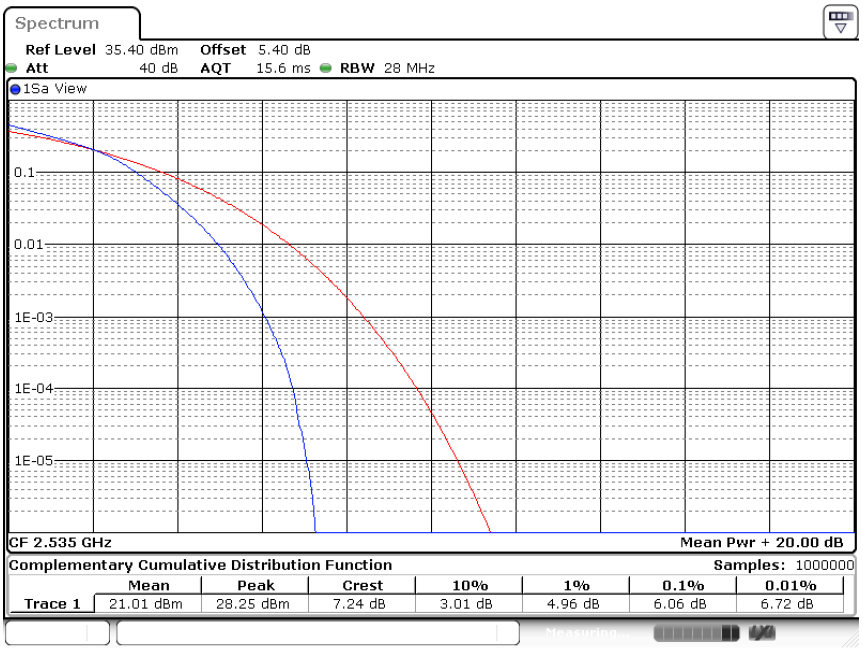

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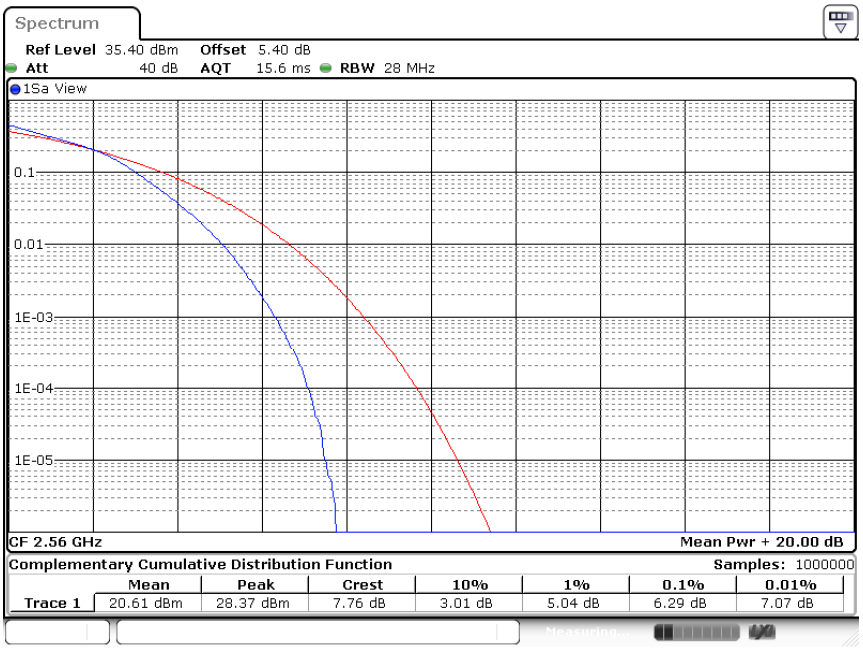
Band7-20MHz-16QAM-21350-100RB#0



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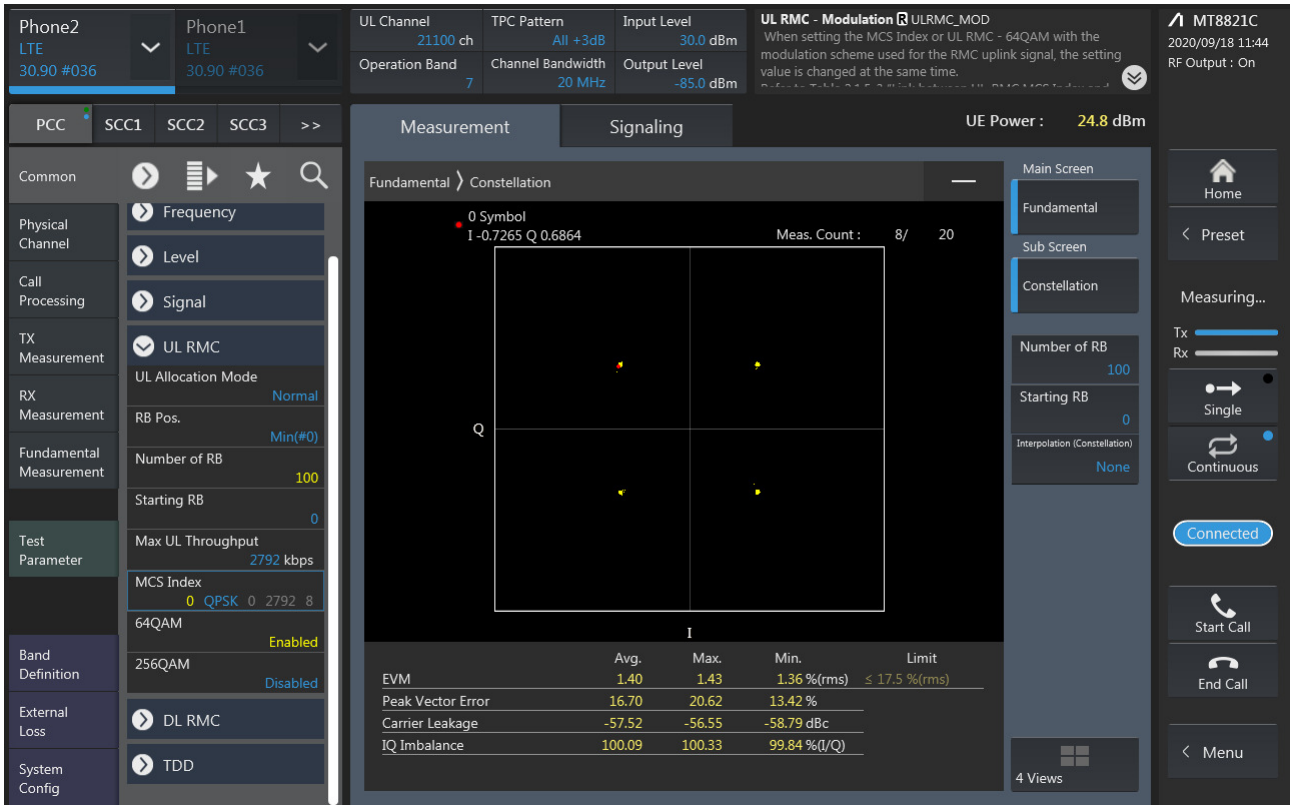
3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1.Test Channel = MCH



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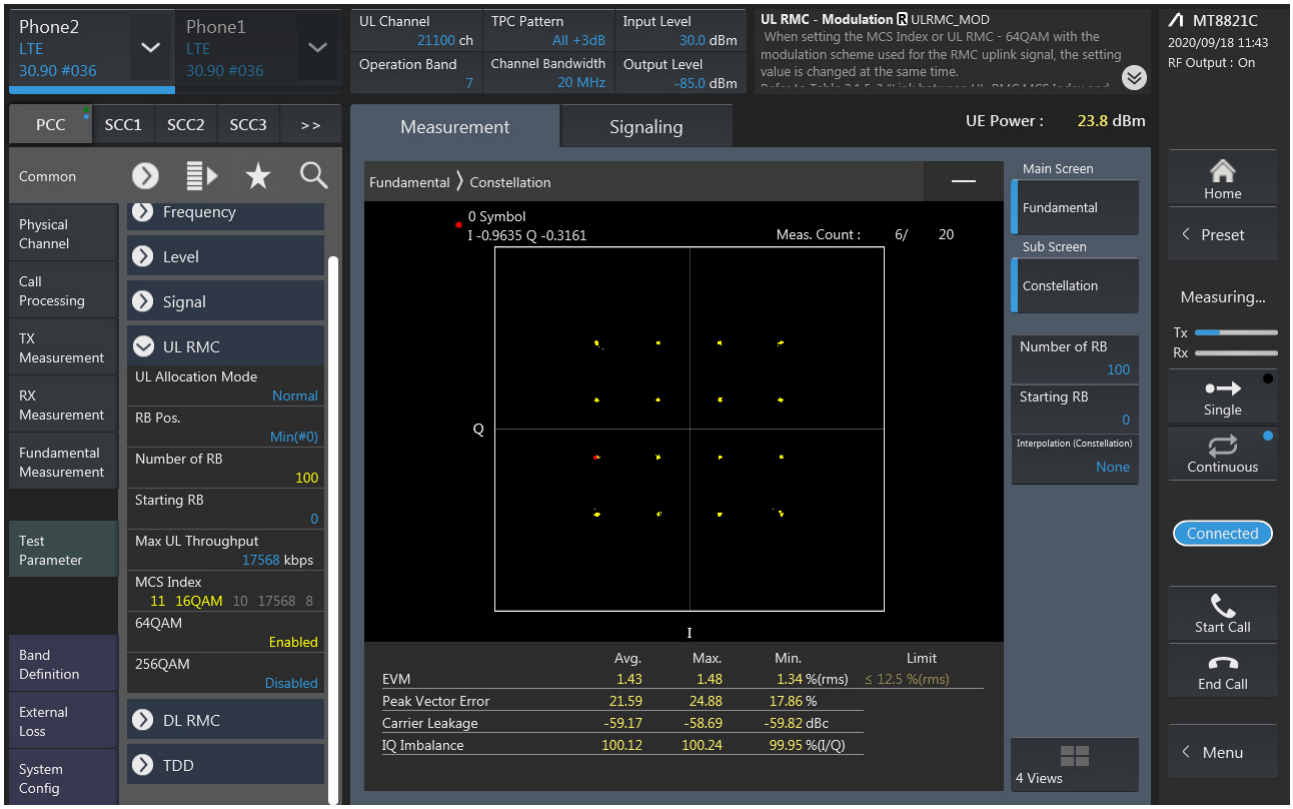
3.2. Test Mode = LTE /TM2 20MHz

3.2.1.Test Channel = MCH



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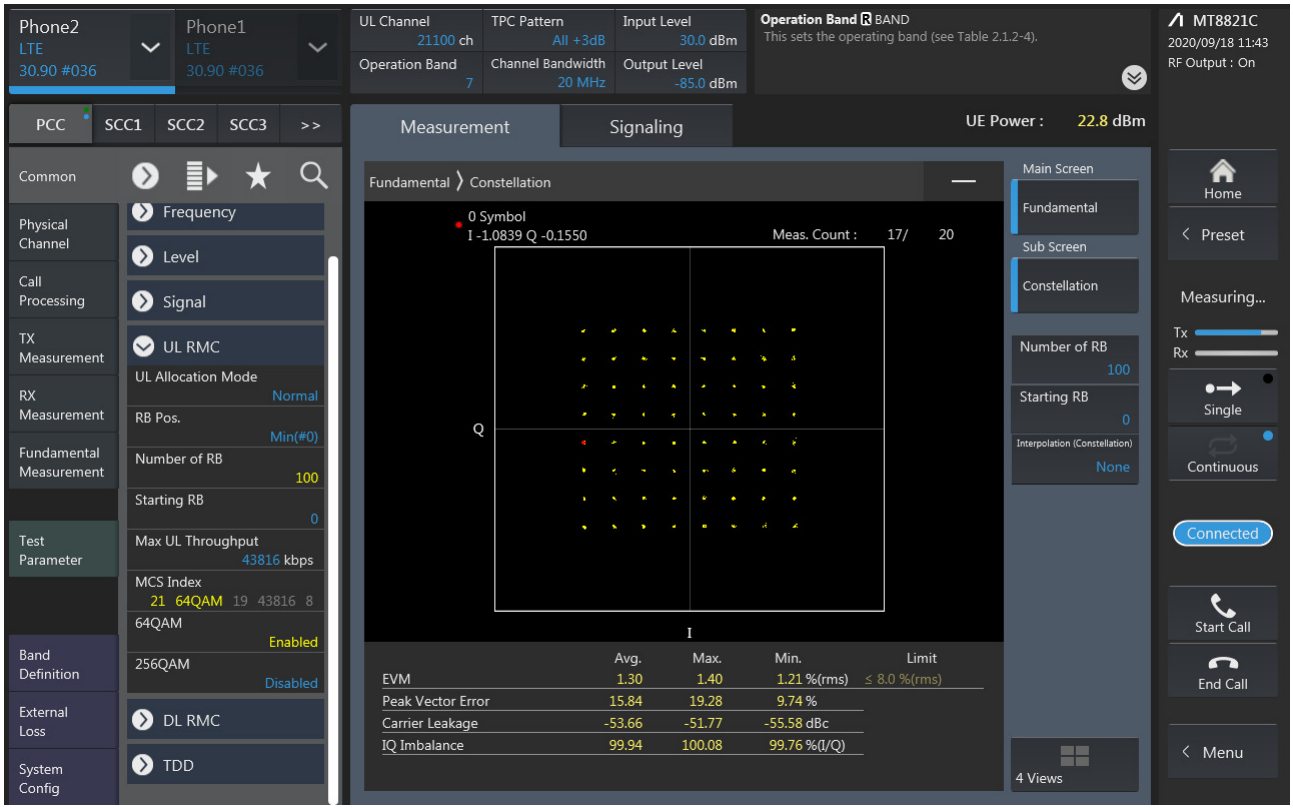
3.3. Test Mode = LTE /TM3 20MHz

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
Band7	5MHz	QPSK	20775	25RB#0	4.476	4.930	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.930	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.476	4.930	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.476	4.910	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.476	4.910	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.476	4.900	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.486	4.940	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.496	4.930	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.486	4.950	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.911	9.720	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.911	9.740	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.931	9.720	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.931	9.680	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.931	9.700	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.931	9.700	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.931	9.780	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.931	9.780	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.951	9.740	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.457	14.790	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.457	14.790	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.457	14.820	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.427	14.850	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.427	14.760	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.427	14.820	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.457	14.760	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.427	14.790	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.457	14.790	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.902	19.520	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.902	19.440	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.902	19.480	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.862	19.440	PASS

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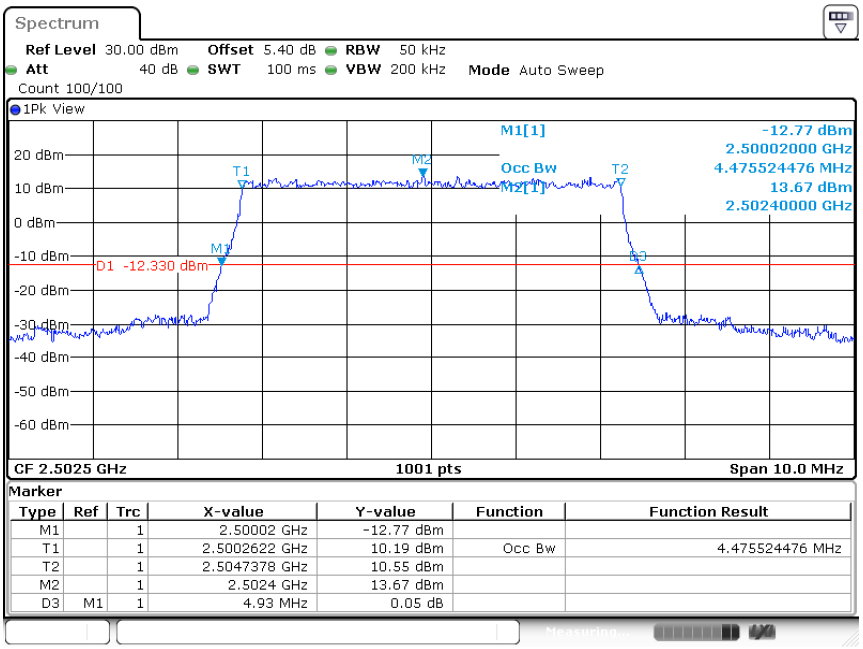
Band7	20MHz	64QAM	21100	100RB#0	17.862	19.440	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.902	19.480	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.942	19.480	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.862	19.400	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.902	19.400	PASS

4.2. Test Plots

Band7-5MHz-QPSK-20775-25RB#0-4.476



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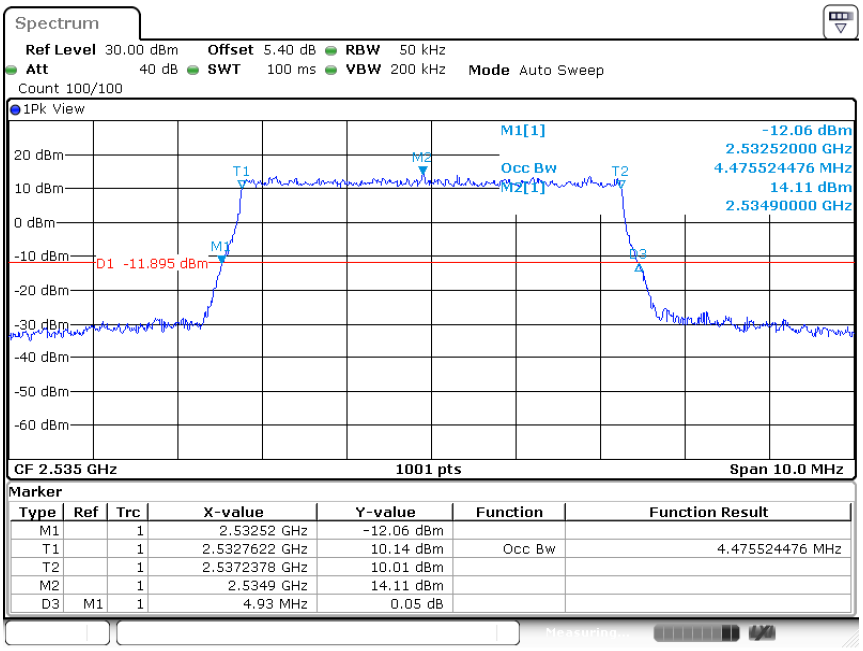
Band7-5MHz-QPSK-21100-25RB#0-4.476



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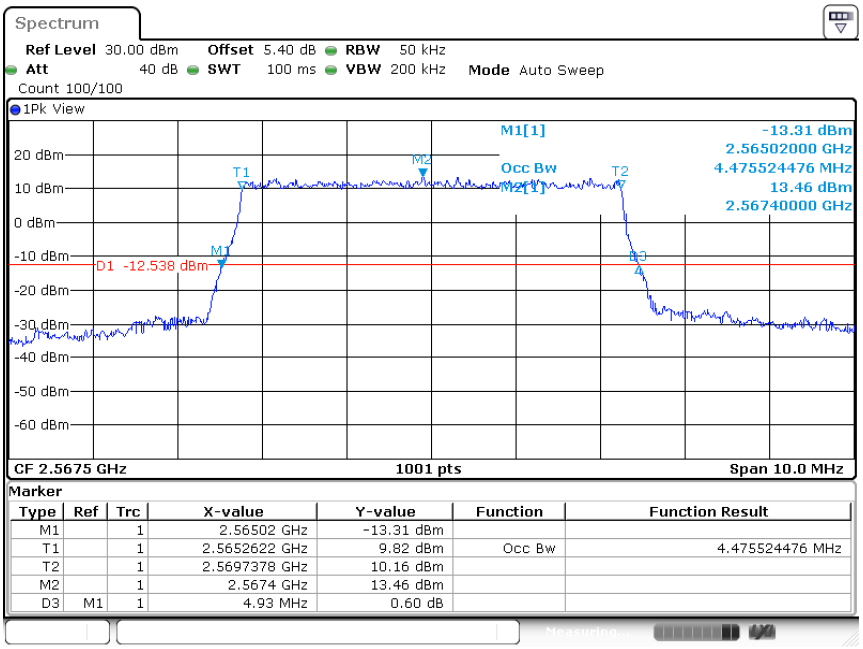

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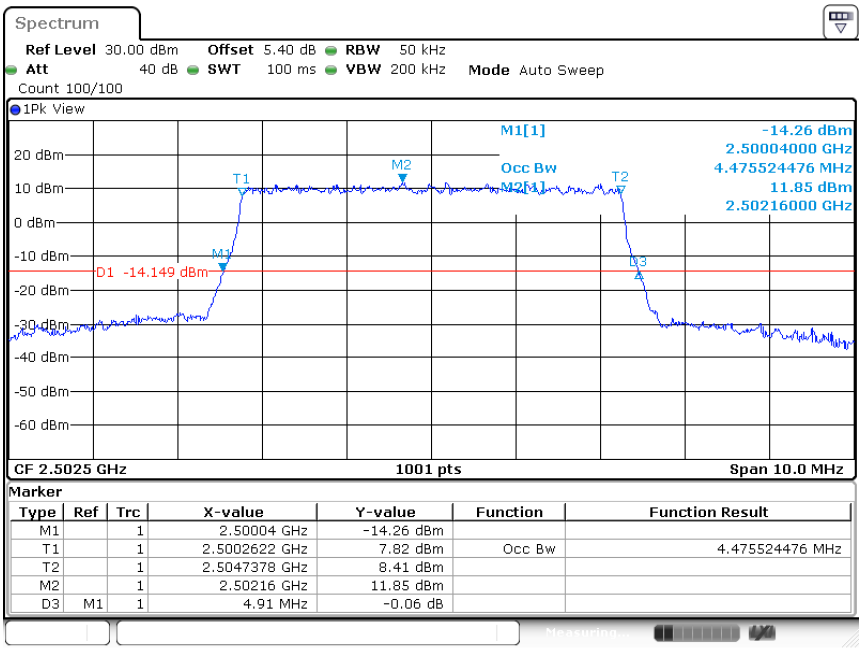

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50004 GHz	-14.26 dBm		
T1		1	2.5002622 GHz	7.82 dBm	Occ Bw	4.475524476 MHz
T2		1	2.5047378 GHz	8.41 dBm		
M2		1	2.50216 GHz	11.85 dBm		
D3	M1	1	4.91 MHz	-0.06 dB		

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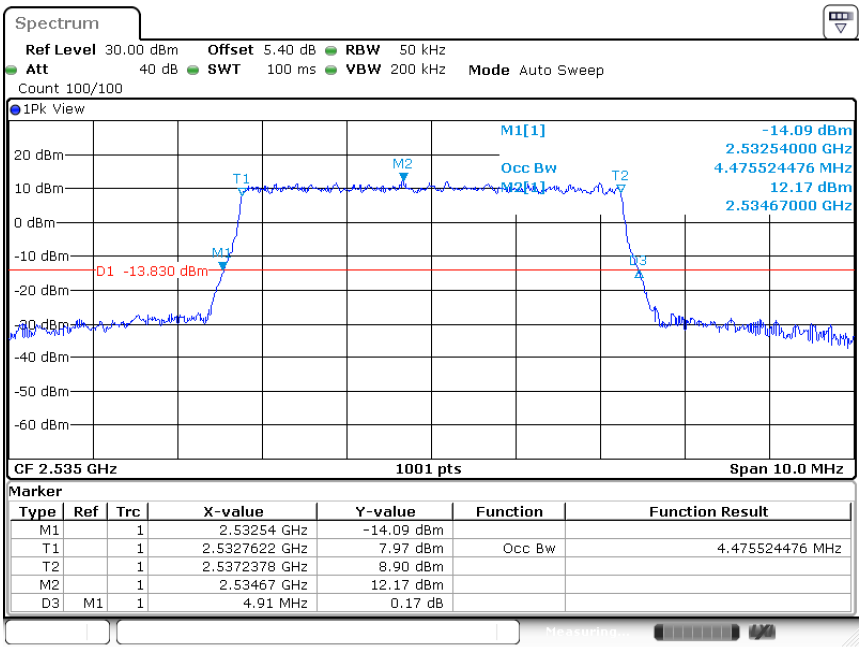
Band7-5MHz-64QAM-21100-25RB#0-4.476



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53254 GHz	-14.09 dBm		
T1		1	2.5327622 GHz	7.97 dBm	Occ Bw	4.475524476 MHz
T2		1	2.5372378 GHz	8.90 dBm		
M2		1	2.53467 GHz	12.17 dBm		
D3	M1	1	4.91 MHz	0.17 dB		

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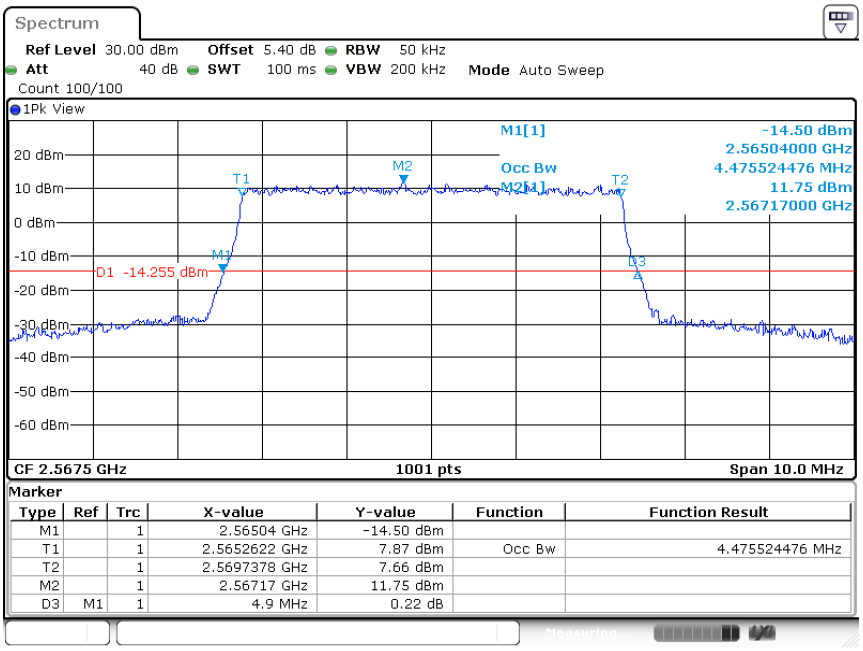

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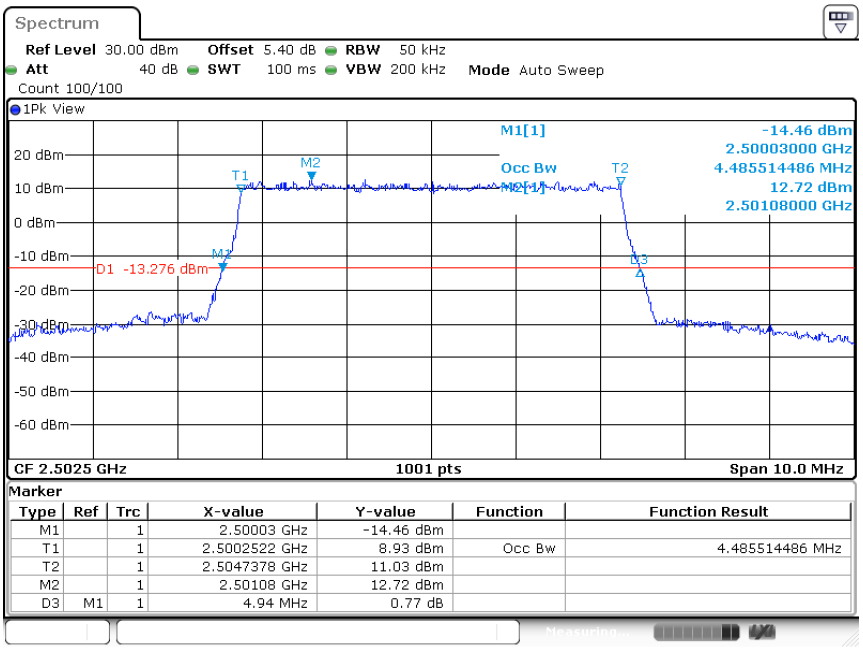

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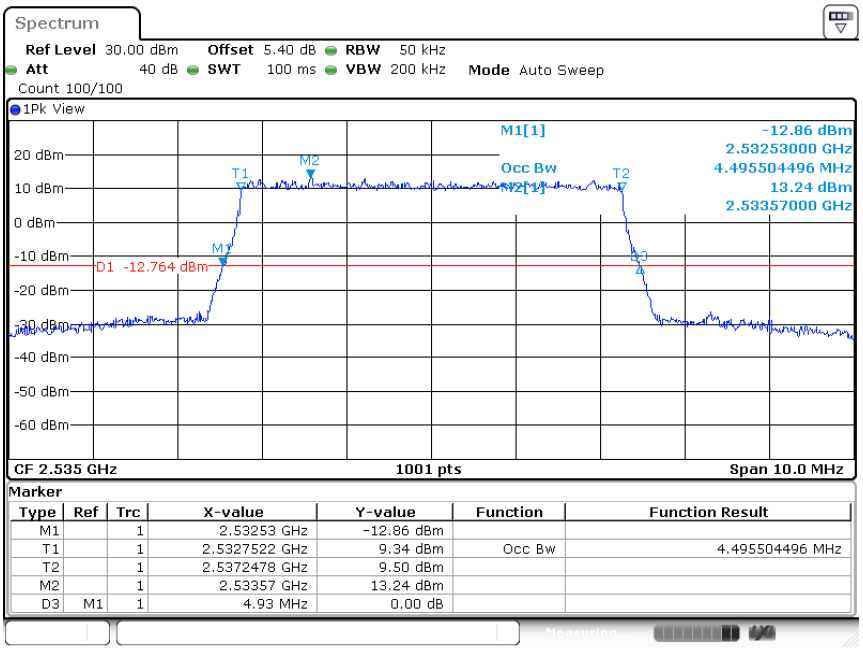

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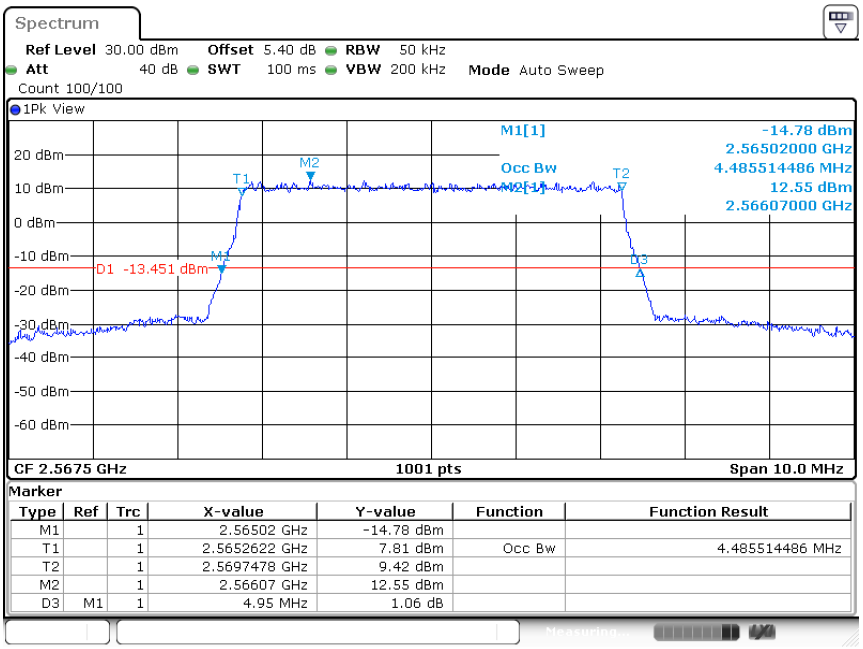

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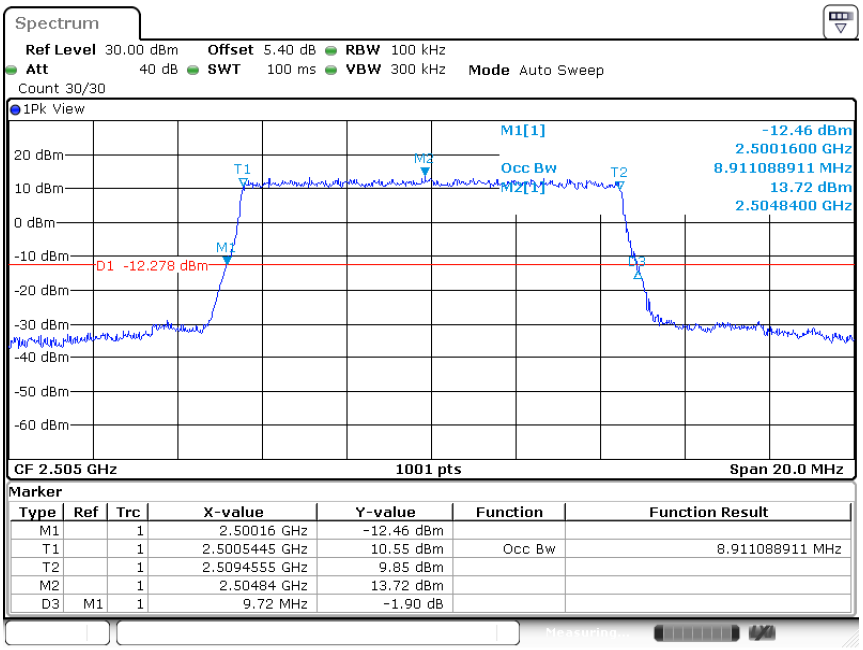
Band7-10MHz-QPSK-20800-50RB#0-8.911

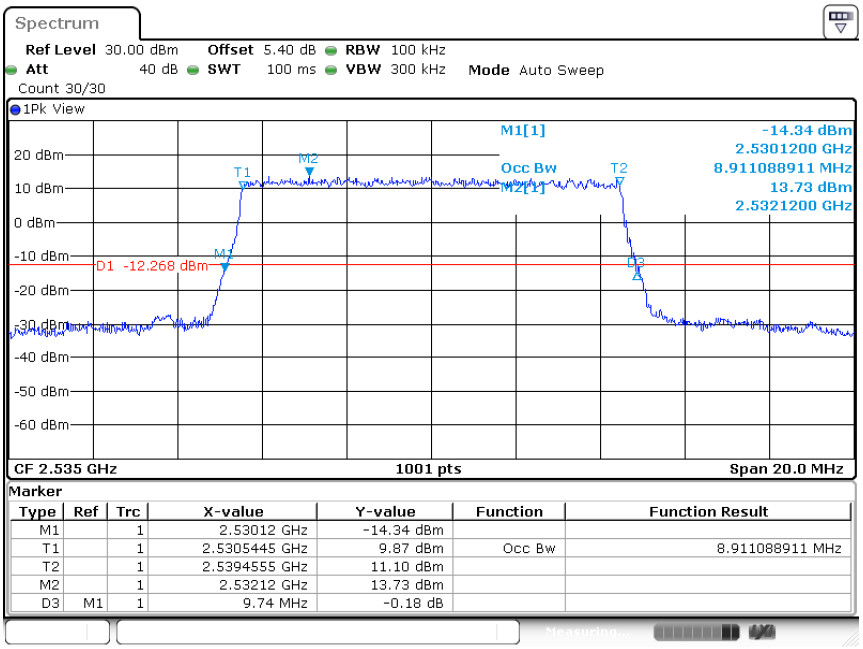


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50016 GHz	-12.46 dBm		
T1		1	2.5005445 GHz	10.55 dBm	Occ Bw	8.911088911 MHz
T2		1	2.5094555 GHz	9.85 dBm		
M2		1	2.50484 GHz	13.72 dBm		
D3	M1	1	9.72 MHz	-1.90 dB		

Date: 7.SEP.2020 18:09:37

Band7-10MHz-QPSK-21100-50RB#0-8.911



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53012 GHz	-14.34 dBm		
T1		1	2.5305445 GHz	9.87 dBm	Occ Bw	8.911088911 MHz
T2		1	2.5394555 GHz	11.10 dBm		
M2		1	2.53212 GHz	13.73 dBm		
D3	M1	1	9.74 MHz	-0.18 dB		

Date: 7.SEP.2020 18:10:03

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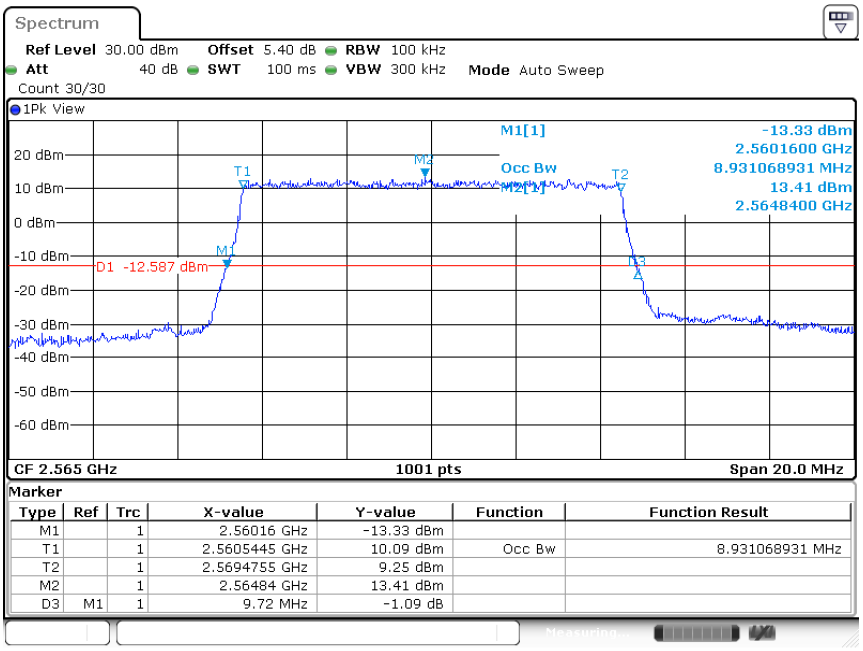
Band7-10MHz-QPSK-21400-50RB#0-8.931



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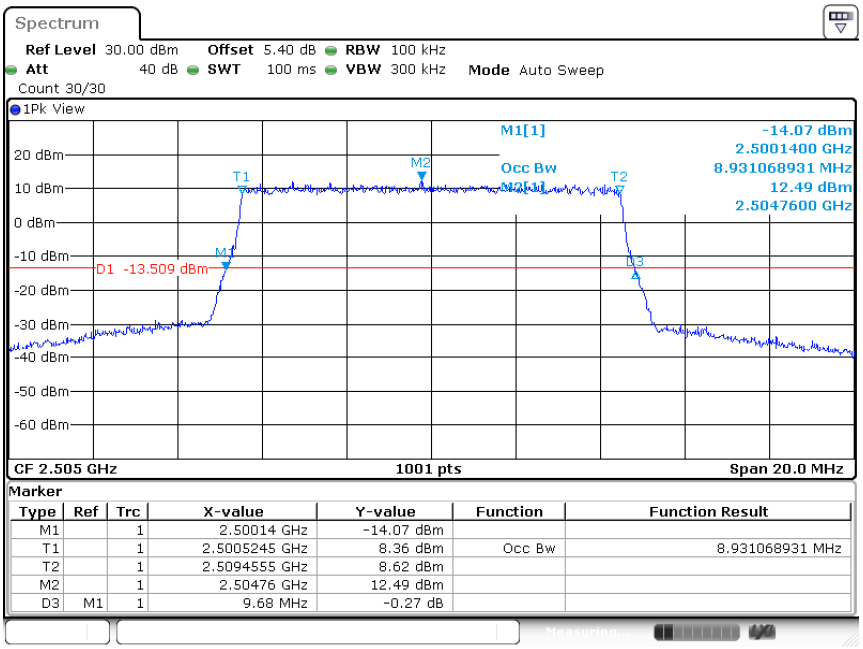
Band7-10MHz-64QAM-20800-50RB#0-8.931



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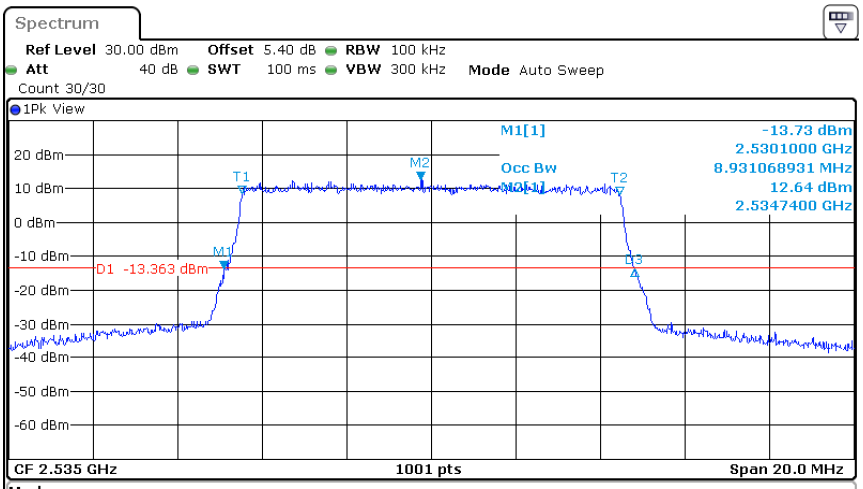

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5301 GHz	-13.73 dBm		
T1		1	2.5305245 GHz	8.39 dBm	Occ Bw	8.931068931 MHz
T2		1	2.5394555 GHz	8.25 dBm		
M2		1	2.53474 GHz	12.64 dBm		
D3	M1	1	9.7 MHz	0.05 dB		

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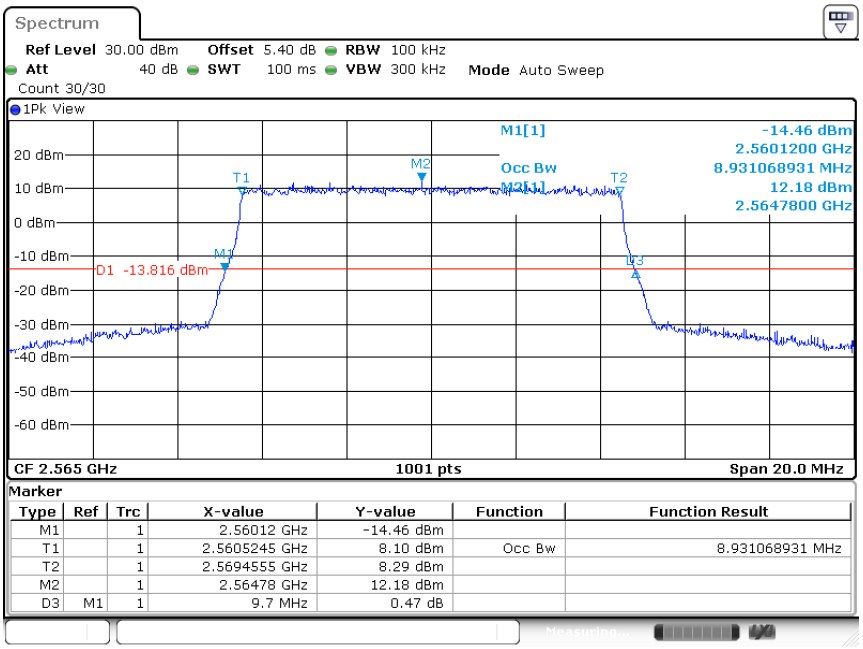
Band7-10MHz-64QAM-21400-50RB#0-8.931



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.56012 GHz	-14.46 dBm		
T1		1	2.5605245 GHz	8.10 dBm	Occ Bw	8.931068931 MHz
T2		1	2.5694555 GHz	8.29 dBm		
M2		1	2.56478 GHz	12.18 dBm		
D3	M1	1	9.7 MHz	0.47 dB		

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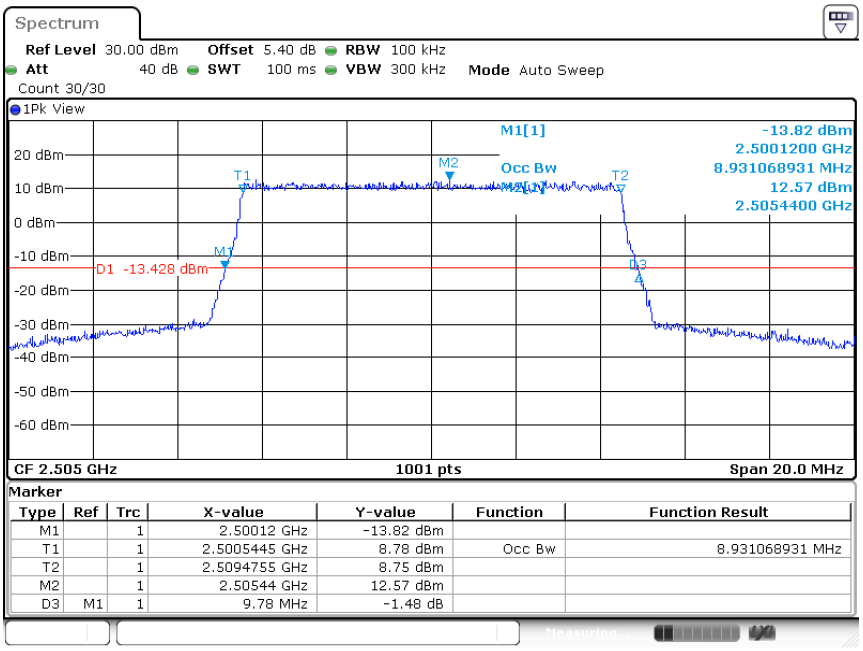
Band7-10MHz-16QAM-20800-50RB#0-8.931



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50012 GHz	-13.82 dBm		
T1		1	2.5005445 GHz	8.78 dBm	Occ Bw	8.931068931 MHz
T2		1	2.5094755 GHz	8.75 dBm		
M2		1	2.50544 GHz	12.57 dBm		
D3	M1	1	9.78 MHz	-1.48 dB		

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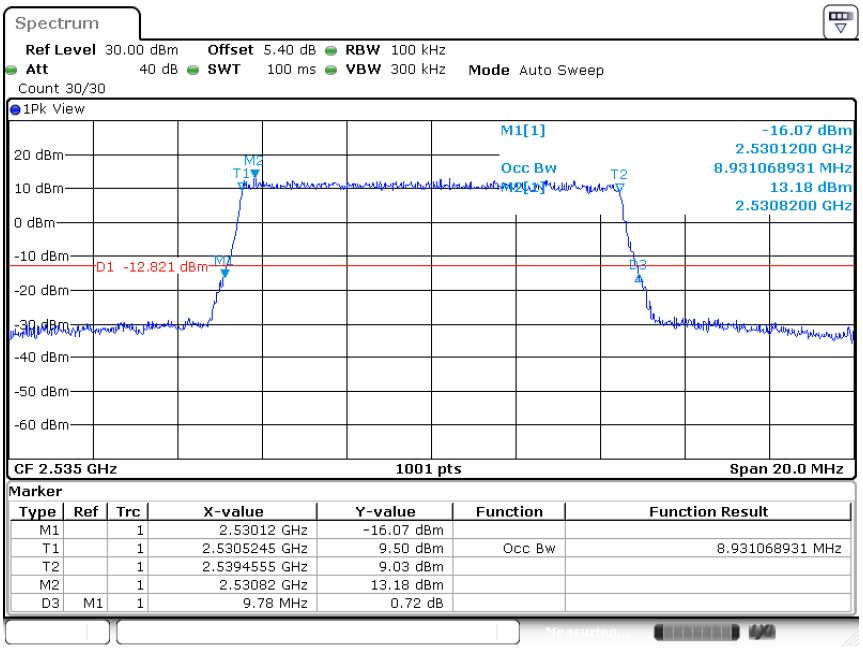
Band7-10MHz-16QAM-21100-50RB#0-8.931



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53012 GHz	-16.07 dBm		
T1		1	2.5305245 GHz	9.50 dBm	Occ Bw	8.931068931 MHz
T2		1	2.5394555 GHz	9.03 dBm		
M2		1	2.53082 GHz	13.18 dBm		
D3	M1	1	9.78 MHz	0.72 dB		

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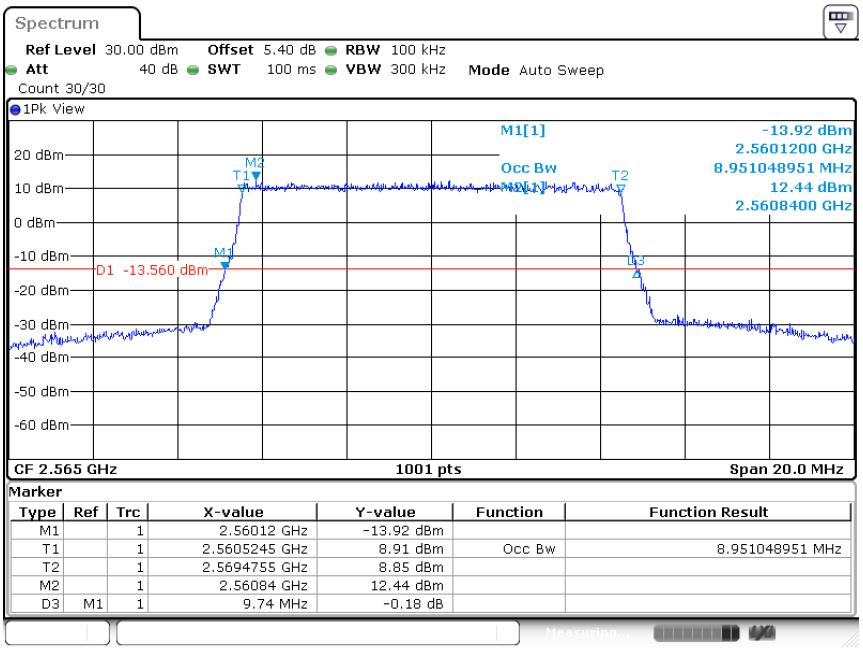

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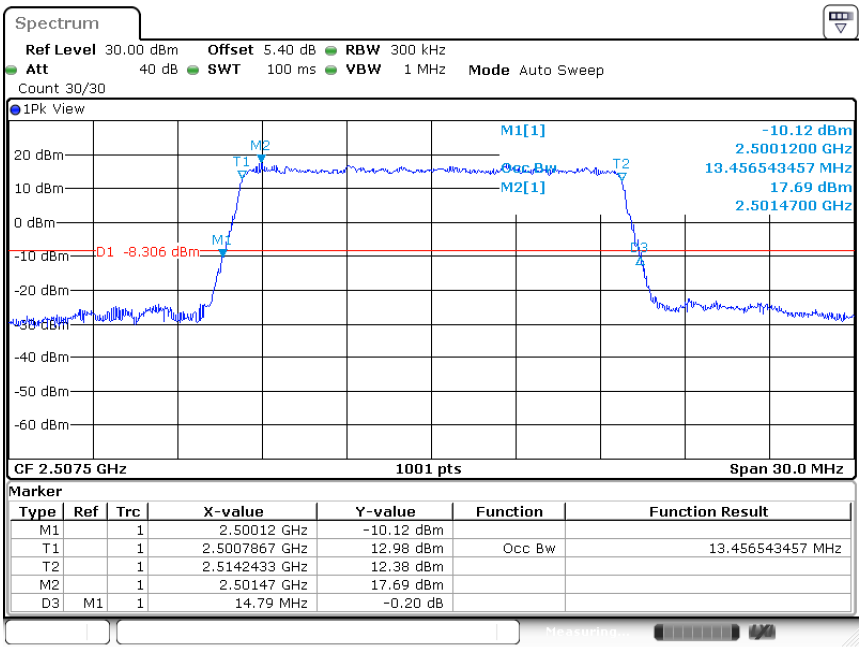
Band7-15MHz-QPSK-20825-75RB#0-13.457



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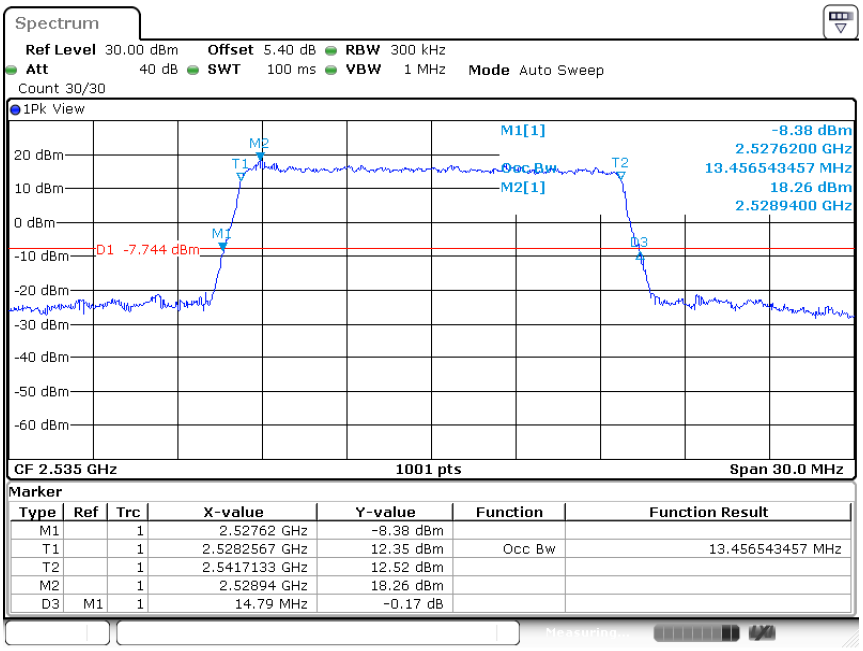
Band7-15MHz-QPSK-21100-75RB#0-13.457

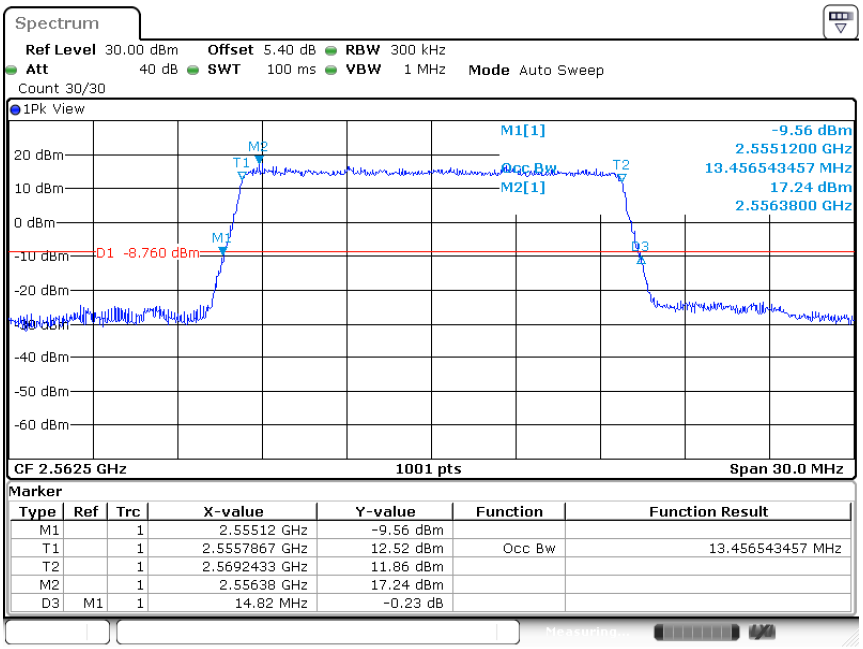


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.52762 GHz	-8.38 dBm		
T1		1	2.5282567 GHz	12.35 dBm	Occ Bw	13.456543457 MHz
T2		1	2.5417133 GHz	12.52 dBm		
M2		1	2.52894 GHz	18.26 dBm		
D3	M1	1	14.79 MHz	-0.17 dB		

Date: 7.SEP.2020 18:11:26

Band7-15MHz-QPSK-21375-75RB#0-13.457



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.55512 GHz	-9.56 dBm		
T1		1	2.5557867 GHz	12.52 dBm	Occ Bw	13.456543457 MHz
T2		1	2.5692433 GHz	11.86 dBm		
M2		1	2.55638 GHz	17.24 dBm		
D3	M1	1	14.82 MHz	-0.23 dB		

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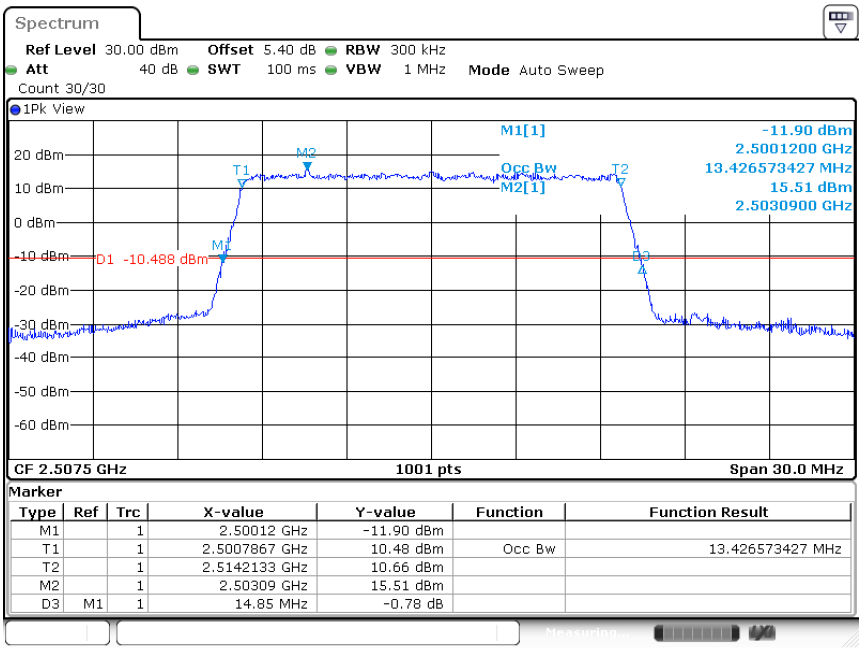
Band7-15MHz-64QAM-20825-75RB#0-13.427



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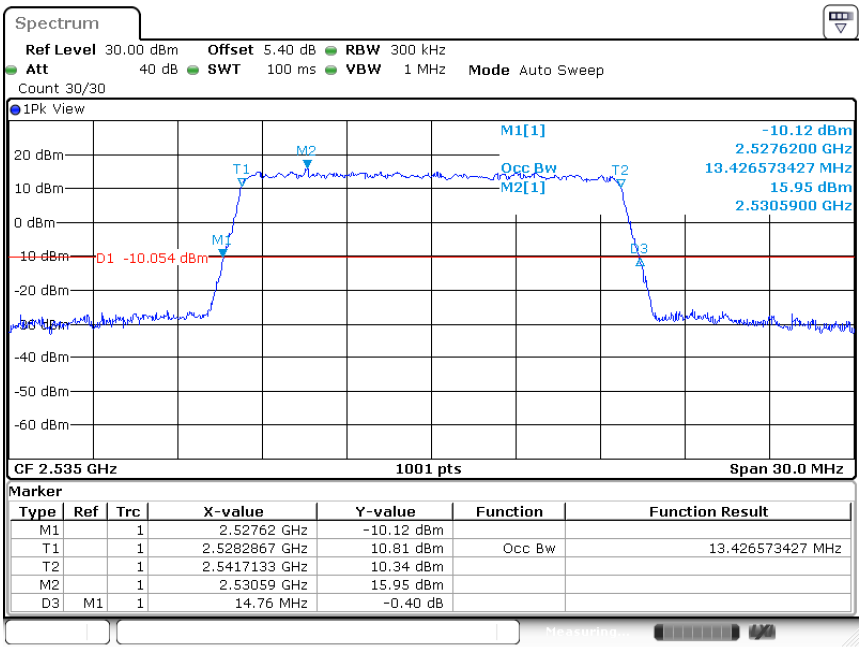
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50012 GHz	-11.90 dBm		
T1		1	2.5007867 GHz	10.48 dBm	Occ Bw	13.426573427 MHz
T2		1	2.5142133 GHz	10.66 dBm		
M2		1	2.50309 GHz	15.51 dBm		
D3	M1	1	14.85 MHz	-0.78 dB		

Date: 7.SEP.2020 18:32:51

Band7-15MHz-64QAM-21100-75RB#0-13.427



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.52762 GHz	-10.12 dBm		
T1		1	2.5282867 GHz	10.81 dBm	Occ Bw	13.426573427 MHz
T2		1	2.5417133 GHz	10.34 dBm		
M2		1	2.53059 GHz	15.95 dBm		
D3	M1	1	14.76 MHz	-0.40 dB		

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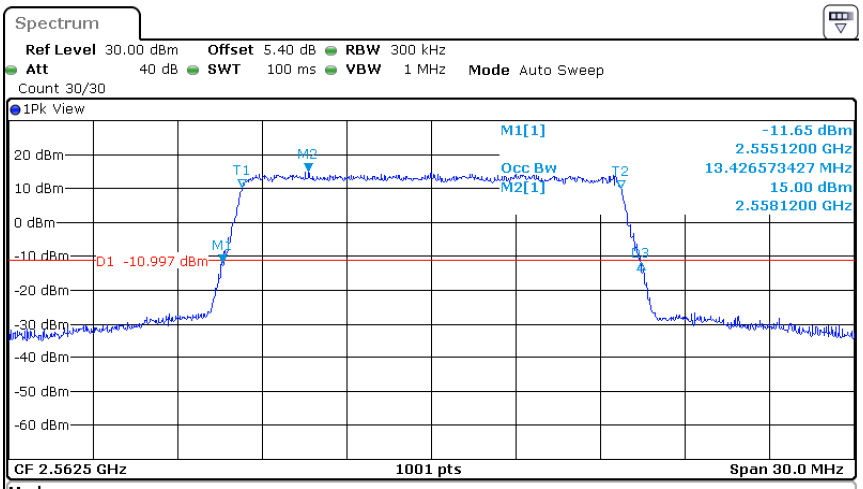
Band7-15MHz-64QAM-21375-75RB#0-13.427



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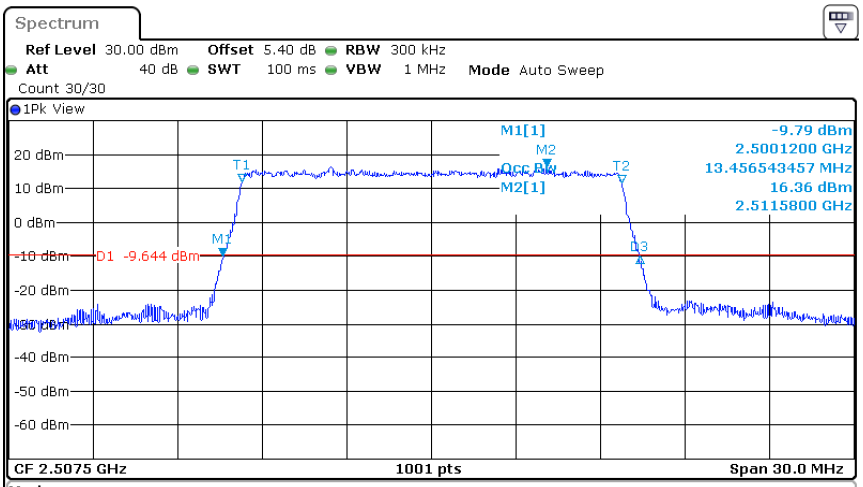
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.55512 GHz	-11.65 dBm		
T1		1	2.5557867 GHz	10.41 dBm	Occ Bw	13.426573427 MHz
T2		1	2.5692133 GHz	10.00 dBm		
M2		1	2.55812 GHz	15.00 dBm		
D3	M1	1	14.82 MHz	-0.28 dB		

Date: 7.SEP.2020 18:33:17

Band7-15MHz-16QAM-20825-75RB#0-13.457



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50012 GHz	-9.79 dBm		
T1		1	2.5007867 GHz	12.00 dBm	Occ Bw	13.456543457 MHz
T2		1	2.5142433 GHz	11.50 dBm		
M2		1	2.51158 GHz	16.36 dBm		
D3	M1	1	14.76 MHz	-0.03 dB		

Date: 7.SEP.2020 18:11:13

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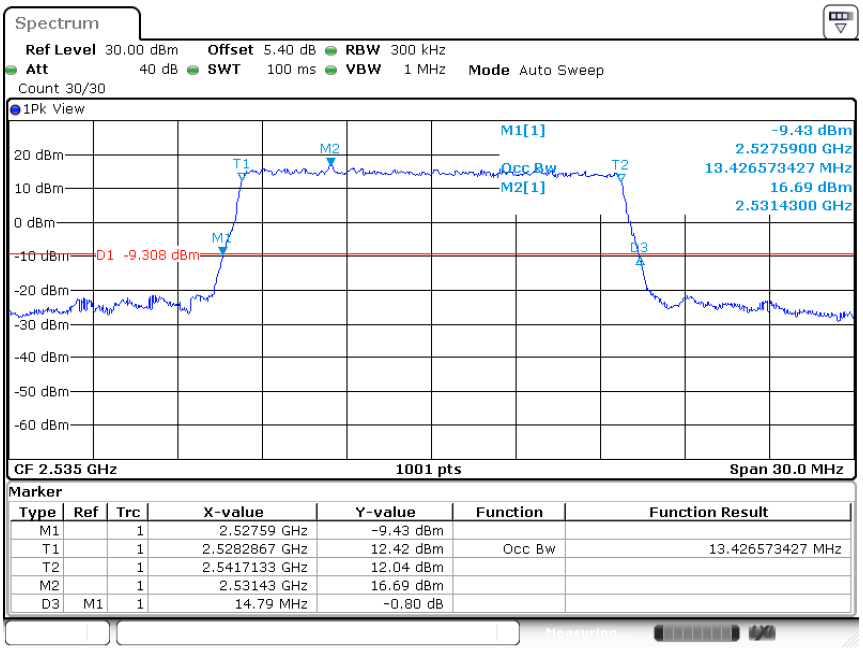
Band7-15MHz-16QAM-21100-75RB#0-13.427



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.52759 GHz	-9.43 dBm		
T1		1	2.5282867 GHz	12.42 dBm	Occ Bw	13.426573427 MHz
T2		1	2.5417133 GHz	12.04 dBm		
M2		1	2.53143 GHz	16.69 dBm		
D3	M1	1	14.79 MHz	-0.80 dB		

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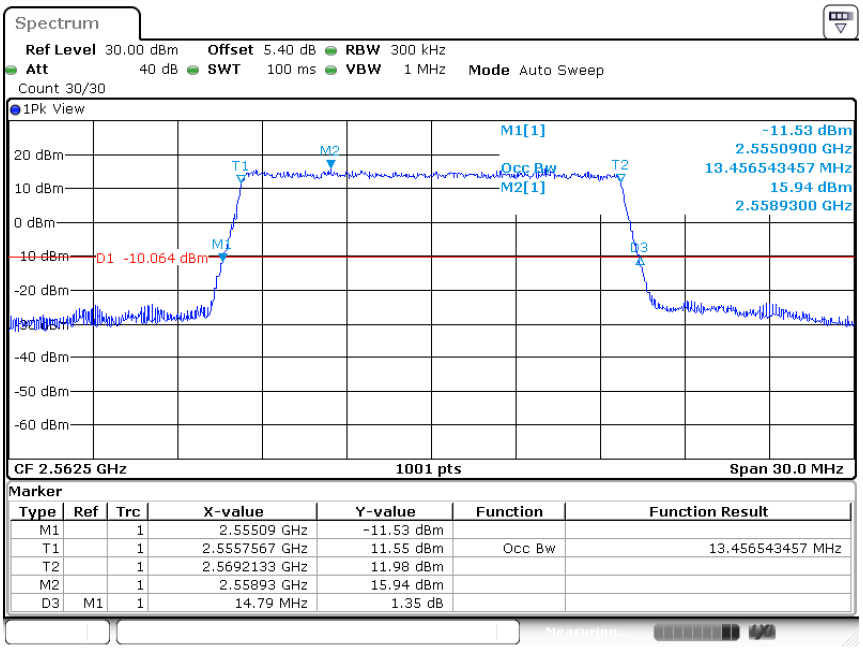
Band7-15MHz-16QAM-21375-75RB#0-13.457



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.55509 GHz	-11.53 dBm		
T1		1	2.5557567 GHz	11.55 dBm	Occ Bw	13.456543457 MHz
T2		1	2.5692133 GHz	11.98 dBm		
M2		1	2.55893 GHz	15.94 dBm		
D3	M1	1	14.79 MHz	1.35 dB		

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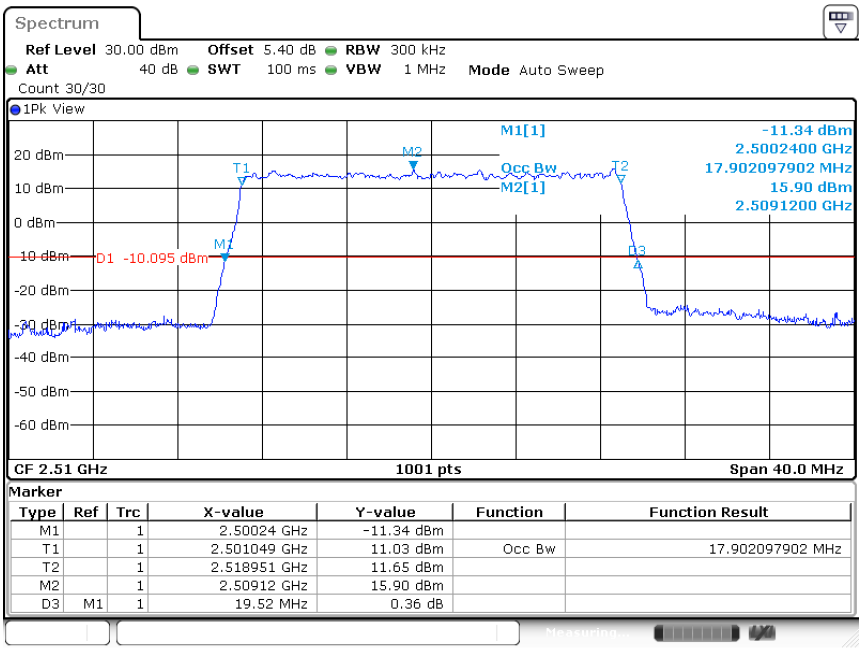
Band7-20MHz-QPSK-20850-100RB#0-17.902

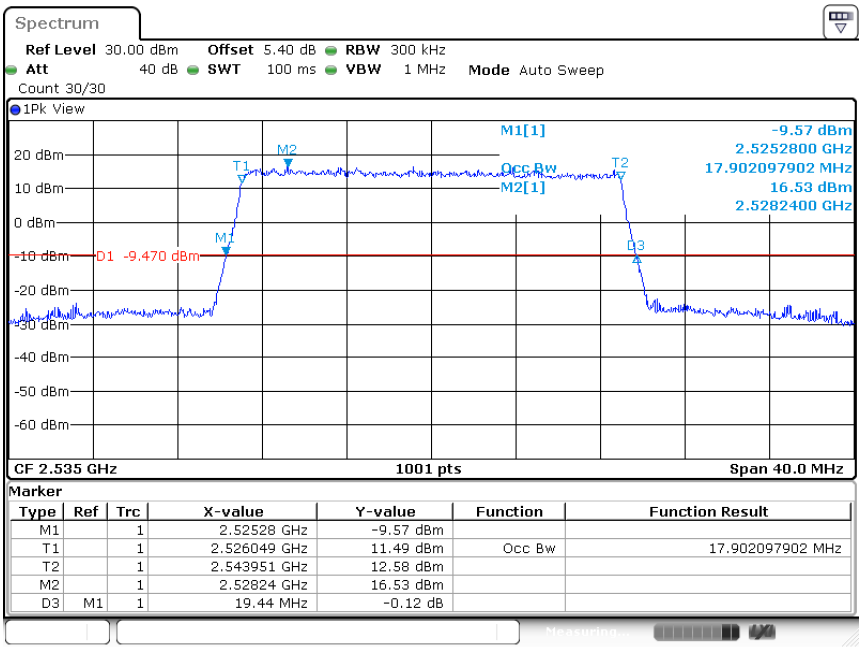


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50024 GHz	-11.34 dBm		
T1		1	2.501049 GHz	11.03 dBm	Occ Bw	17.902097902 MHz
T2		1	2.518951 GHz	11.65 dBm		
M2		1	2.50912 GHz	15.90 dBm		
D3	M1	1	19.52 MHz	0.36 dB		

Date: 7.SEP.2020 18:12:23

Band7-20MHz-QPSK-21100-100RB#0-17.902



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.52528 GHz	-9.57 dBm		
T1		1	2.526049 GHz	11.49 dBm	Occ Bw	17.902097902 MHz
T2		1	2.543951 GHz	12.58 dBm		
M2		1	2.52824 GHz	16.53 dBm		
D3	M1	1	19.44 MHz	-0.12 dB		

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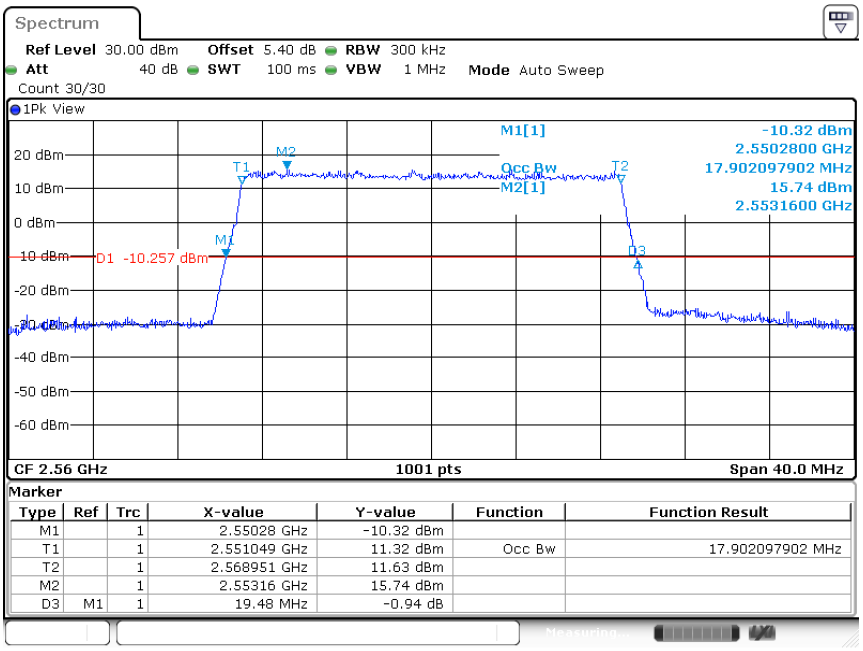
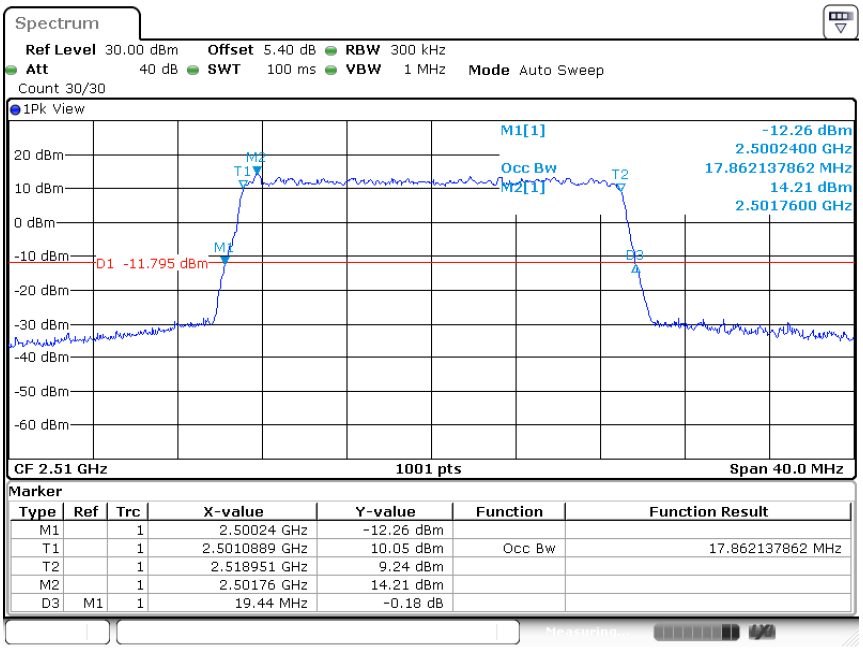
Band7-20MHz-QPSK-21350-100RB#0-17.902



Date: 7.SEP.2020 18:13:14

Band7-20MHz-64QAM-20850-100RB#0-17.862



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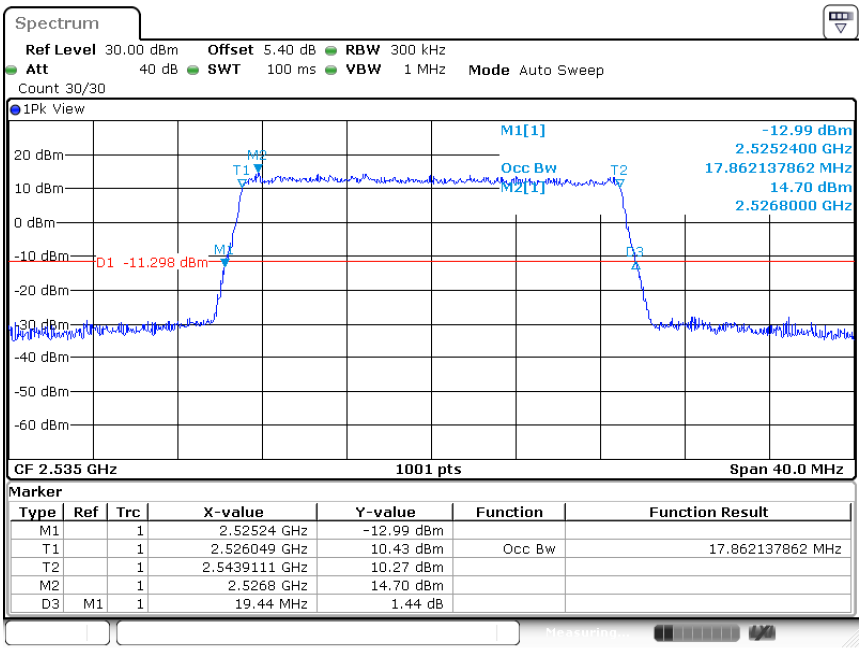
Band7-20MHz-64QAM-21100-100RB#0-17.862



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.52524 GHz	-12.99 dBm		
T1		1	2.526049 GHz	10.43 dBm	Occ Bw	17.862137862 MHz
T2		1	2.5439111 GHz	10.27 dBm		
M2		1	2.5268 GHz	14.70 dBm		
D3	M1	1	19.44 MHz	1.44 dB		

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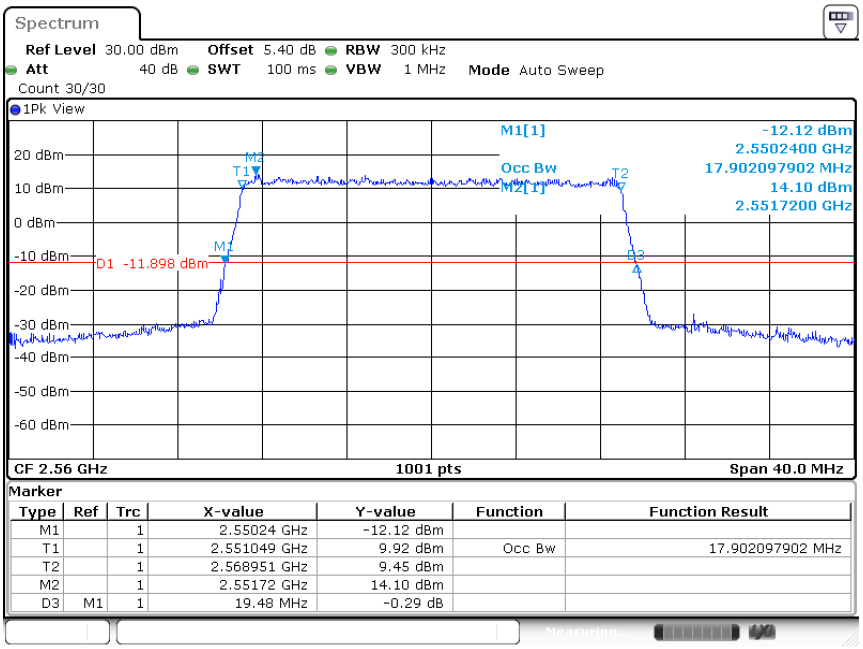
Band7-20MHz-64QAM-21350-100RB#0-17.902



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.55024 GHz	-12.12 dBm		
T1		1	2.551049 GHz	9.92 dBm	Occ Bw	17.902097902 MHz
T2		1	2.568951 GHz	9.45 dBm		
M2		1	2.55172 GHz	14.10 dBm		
D3	M1	1	19.48 MHz	-0.29 dB		

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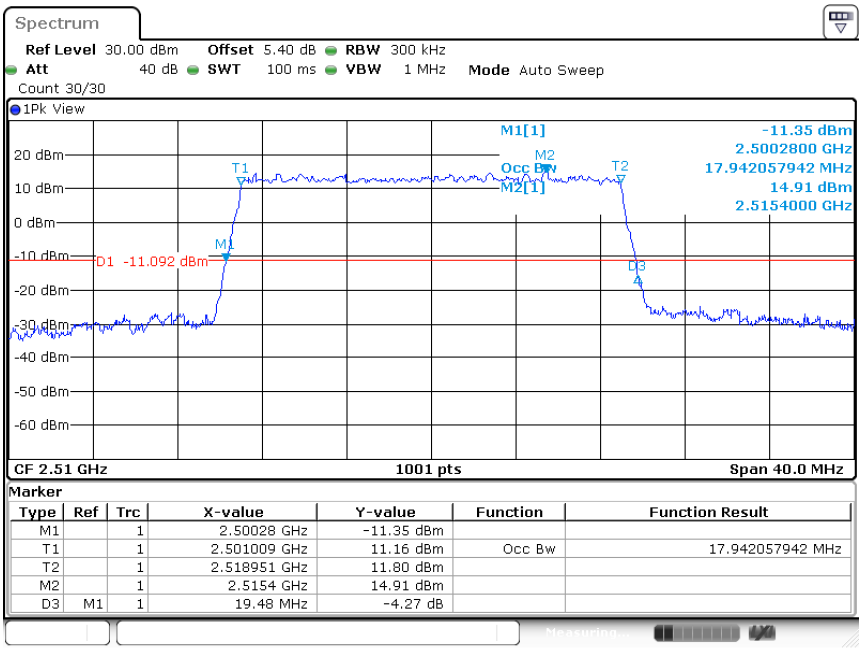
Band7-20MHz-16QAM-20850-100RB#0-17.942



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50028 GHz	-11.35 dBm		
T1		1	2.501009 GHz	11.16 dBm	Occ Bw	17.942057942 MHz
T2		1	2.518951 GHz	11.80 dBm		
M2		1	2.5154 GHz	14.91 dBm		
D3	M1	1	19.48 MHz	-4.27 dB		

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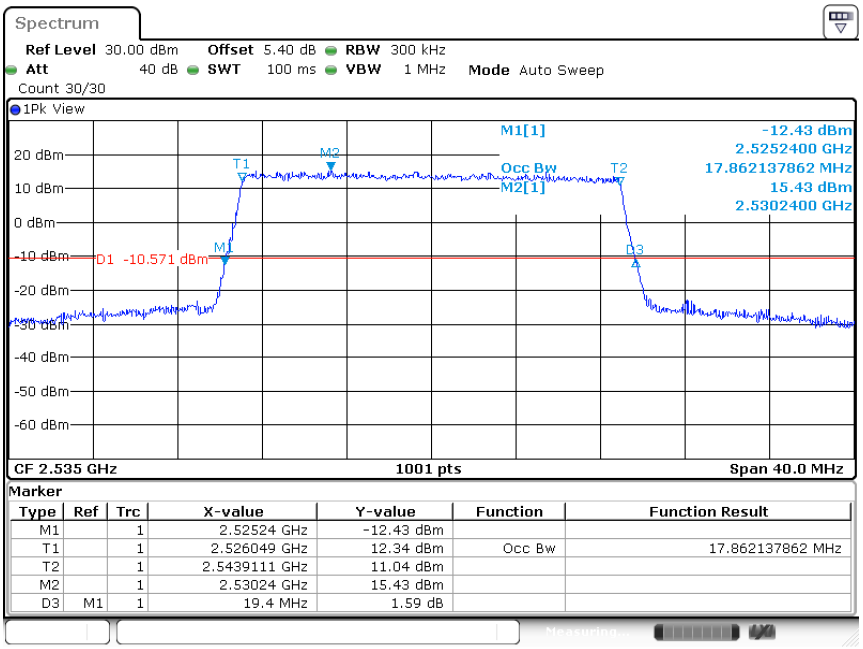
Band7-20MHz-16QAM-21100-100RB#0-17.862



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.52524 GHz	-12.43 dBm		
T1		1	2.526049 GHz	12.34 dBm	Occ Bw	17.862137862 MHz
T2		1	2.5439111 GHz	11.04 dBm		
M2		1	2.53024 GHz	15.43 dBm		
D3	M1	1	19.4 MHz	1.59 dB		

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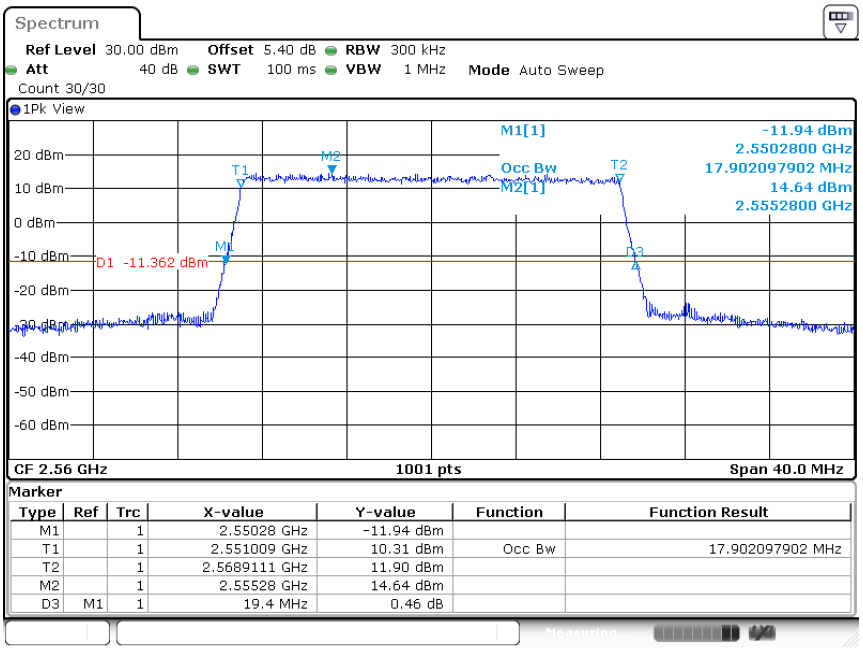
Band7-20MHz-16QAM-21350-100RB#0-17.902



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5. Band Edge Compliance

5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-53.16,-50.14,-17.55	PASS
Band7	5MHz	QPSK	20775	25RB#0	-52.60,-41.91,-26.56	PASS
Band7	5MHz	QPSK	21425	1RB#24	-49.30,-51.89,-18.50	PASS
Band7	5MHz	QPSK	21425	25RB#0	-50.18,-49.04,-26.95	PASS
Band7	5MHz	64QAM	20775	1RB#0	-53.66,-52.34,-20.70	PASS
Band7	5MHz	64QAM	20775	25RB#0	-52.93,-46.60,-27.74	PASS
Band7	5MHz	64QAM	21425	1RB#24	-51.94,-52.50,-20.37	PASS
Band7	5MHz	64QAM	21425	25RB#0	-51.19,-50.49,-29.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	-53.39,-50.95,-18.73	PASS
Band7	5MHz	16QAM	20775	25RB#0	-52.83,-44.53,-26.96	PASS
Band7	5MHz	16QAM	21425	1RB#24	-50.46,-52.30,-19.25	PASS
Band7	5MHz	16QAM	21425	25RB#0	-50.56,-49.47,-27.76	PASS
Band7	10MHz	QPSK	20800	1RB#0	-49.77,-47.02,-24.46	PASS
Band7	10MHz	QPSK	20800	50RB#0	-48.08,-42.17,-31.31	PASS
Band7	10MHz	QPSK	21400	1RB#49	-50.12,-45.85,-25.13	PASS
Band7	10MHz	QPSK	21400	50RB#0	-47.47,-41.30,-30.44	PASS
Band7	10MHz	64QAM	20800	1RB#0	-50.59,-46.96,-27.12	PASS
Band7	10MHz	64QAM	20800	50RB#0	-49.10,-41.81,-31.34	PASS
Band7	10MHz	64QAM	21400	1RB#49	-50.36,-49.26,-28.35	PASS
Band7	10MHz	64QAM	21400	50RB#0	-48.27,-44.37,-31.82	PASS
Band7	10MHz	16QAM	20800	1RB#0	-50.32,-46.95,-24.77	PASS
Band7	10MHz	16QAM	20800	50RB#0	-48.49,-41.90,-31.36	PASS
Band7	10MHz	16QAM	21400	1RB#49	-50.28,-47.50,-26.85	PASS
Band7	10MHz	16QAM	21400	50RB#0	-47.65,-42.58,-31.26	PASS
Band7	15MHz	QPSK	20825	1RB#0	-47.74,-41.89,-22.95	PASS
Band7	15MHz	QPSK	20825	75RB#0	-43.87,-40.79,-33.84	PASS
Band7	15MHz	QPSK	21375	1RB#74	-48.89,-44.57,-23.01	PASS
Band7	15MHz	QPSK	21375	75RB#0	-46.73,-39.42,-33.03	PASS
Band7	15MHz	64QAM	20825	1RB#0	-48.76,-41.66,-25.46	PASS
Band7	15MHz	64QAM	20825	75RB#0	-46.32,-41.04,-33.81	PASS
Band7	15MHz	64QAM	21375	1RB#74	-48.91,-47.10,-25.90	PASS
Band7	15MHz	64QAM	21375	75RB#0	-47.17,-43.08,-35.45	PASS

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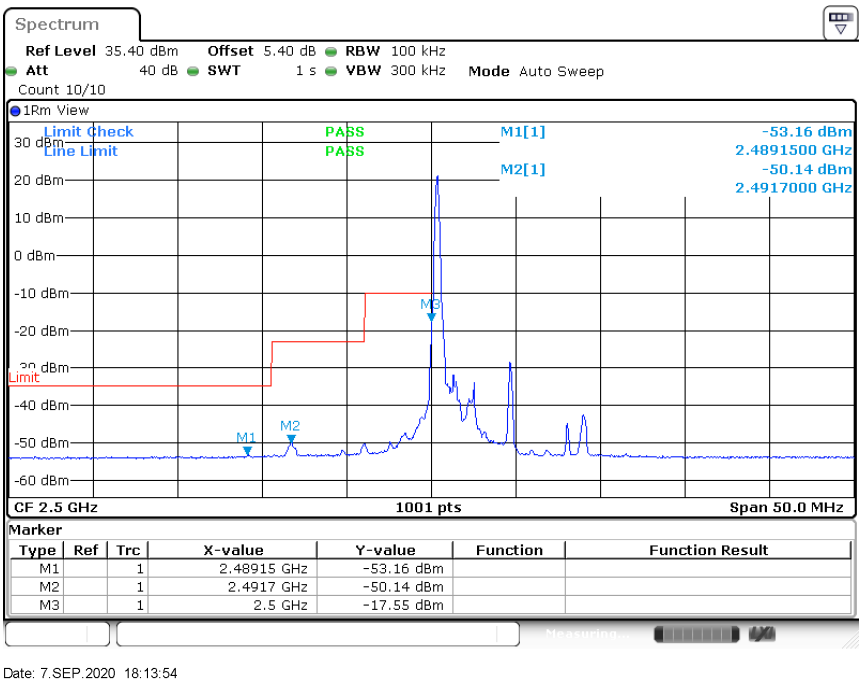
Band7	15MHz	16QAM	20825	1RB#0	-48.02,-41.43,-24.56	PASS
Band7	15MHz	16QAM	20825	75RB#0	-45.16,-41.12,-33.79	PASS
Band7	15MHz	16QAM	21375	1RB#74	-48.87,-45.53,-24.03	PASS
Band7	15MHz	16QAM	21375	75RB#0	-46.72,-40.79,-33.71	PASS
Band7	20MHz	QPSK	20850	1RB#0	-46.11,-41.19,-20.79	PASS
Band7	20MHz	QPSK	20850	100RB#0	-41.90,-39.33,-33.68	PASS
Band7	20MHz	QPSK	21350	1RB#99	-46.82,-43.69,-21.66	PASS
Band7	20MHz	QPSK	21350	100RB#0	-45.98,-37.77,-32.77	PASS
Band7	20MHz	64QAM	20850	1RB#0	-46.77,-41.40,-23.19	PASS
Band7	20MHz	64QAM	20850	100RB#0	-43.86,-40.18,-34.19	PASS
Band7	20MHz	64QAM	21350	1RB#99	-46.77,-44.99,-24.06	PASS
Band7	20MHz	64QAM	21350	100RB#0	-45.99,-41.68,-35.57	PASS
Band7	20MHz	16QAM	20850	1RB#0	-46.29,-40.79,-21.49	PASS
Band7	20MHz	16QAM	20850	100RB#0	-43.31,-40.35,-34.02	PASS
Band7	20MHz	16QAM	21350	1RB#99	-46.83,-44.10,-23.04	PASS
Band7	20MHz	16QAM	21350	100RB#0	-45.85,-39.88,-34.36	PASS

5.2. Test Plots

Band7-5MHz-QPSK-20775-1RB#0



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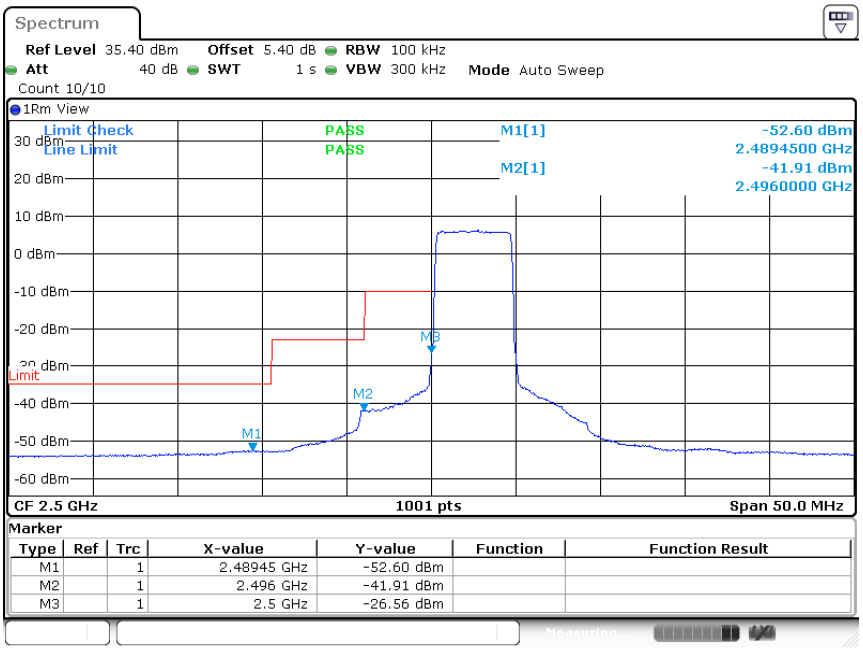

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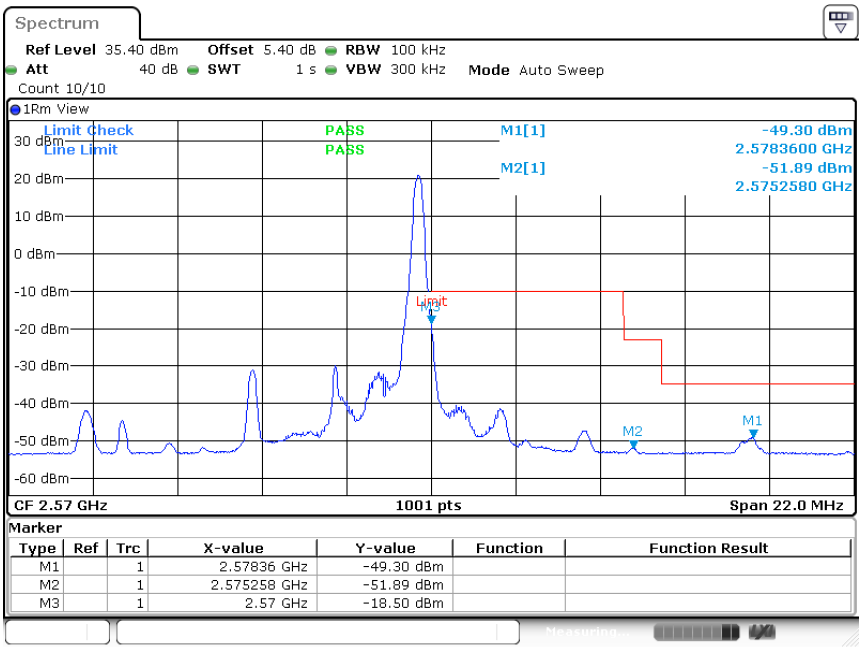
Band7-5MHz-QPSK-21425-1RB#24



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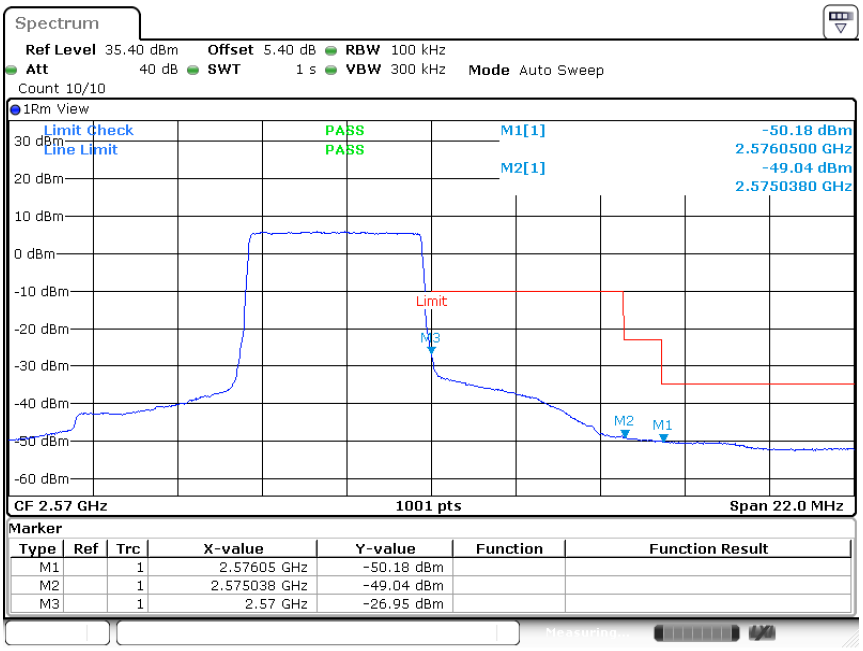

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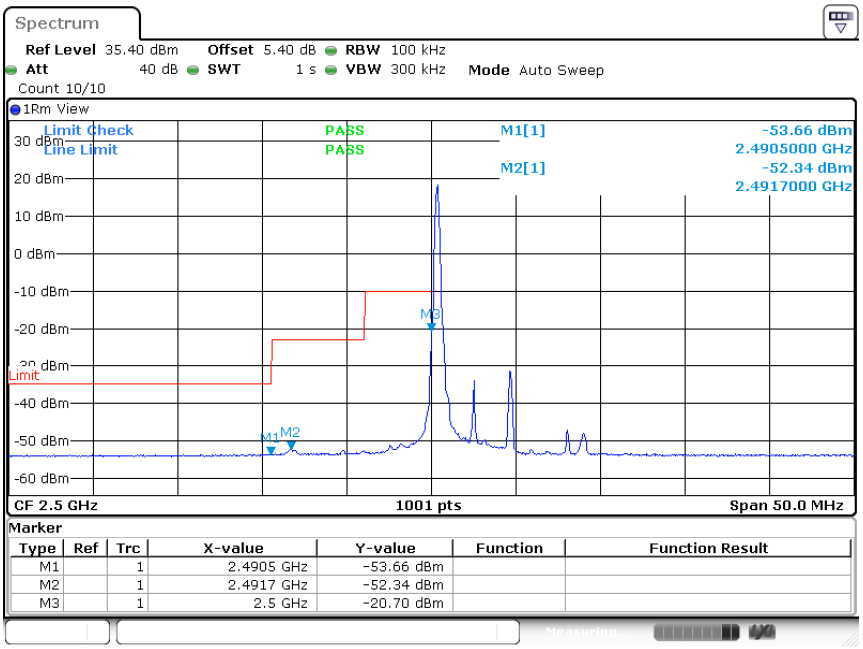
Band7-5MHz-64QAM-20775-1RB#0



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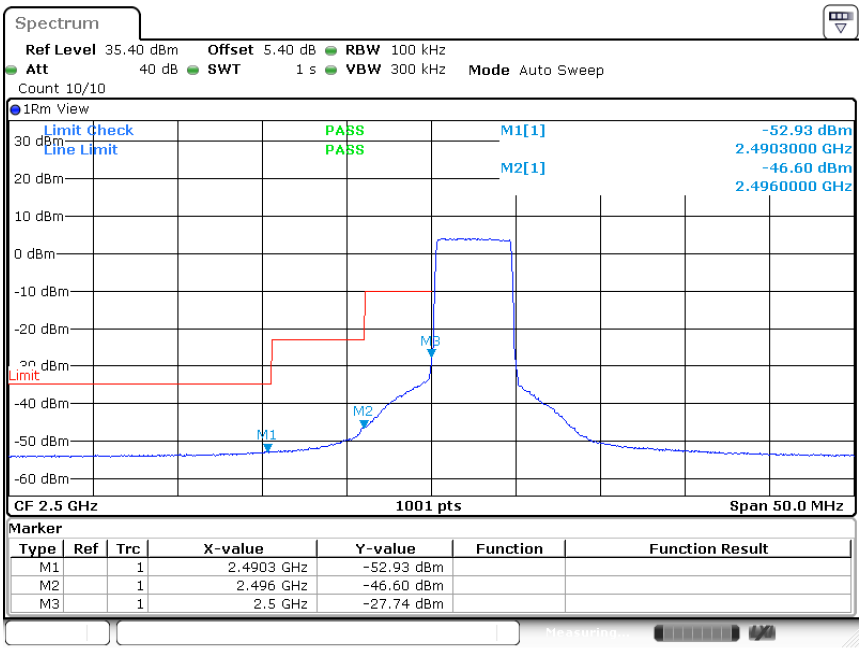

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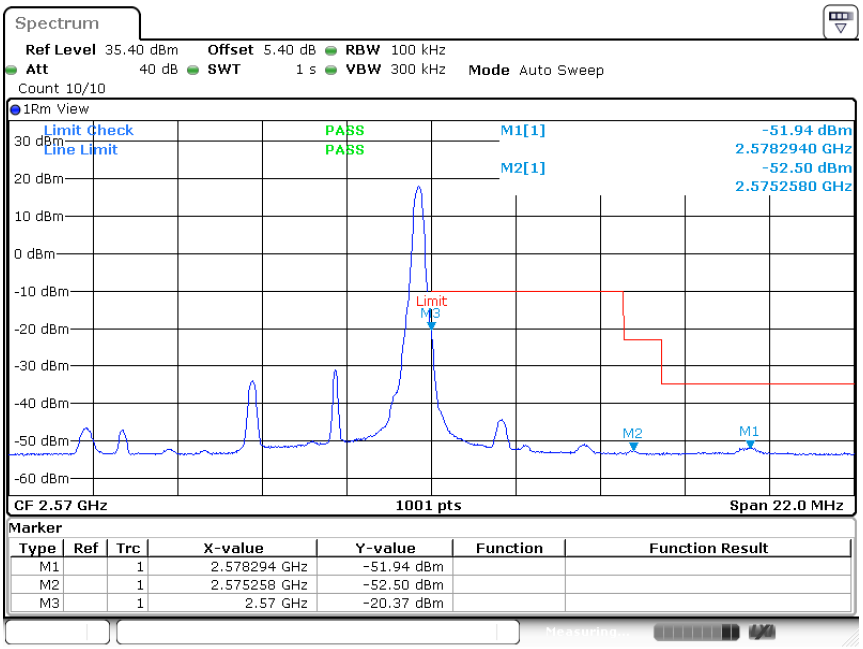
Band7-5MHz-64QAM-21425-1RB#24



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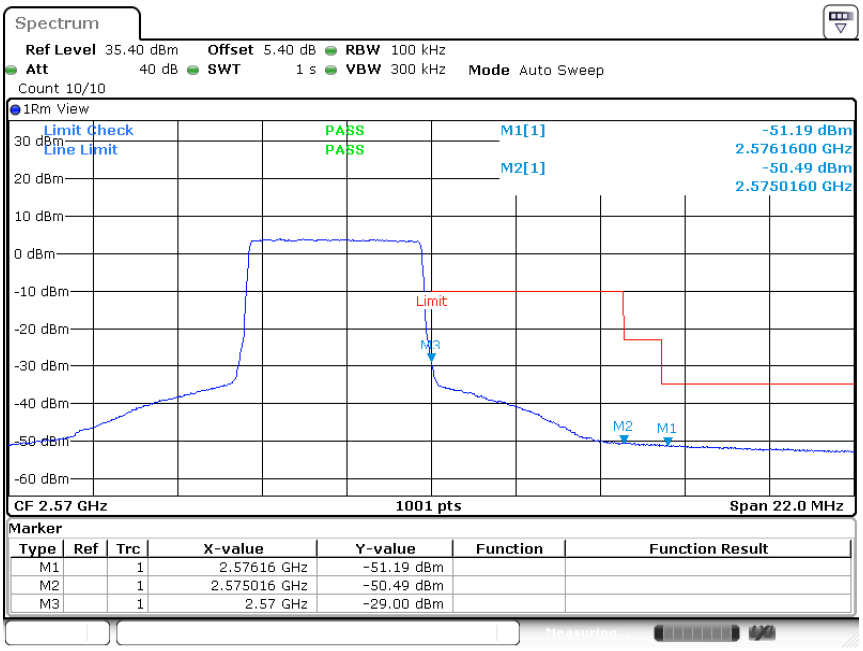

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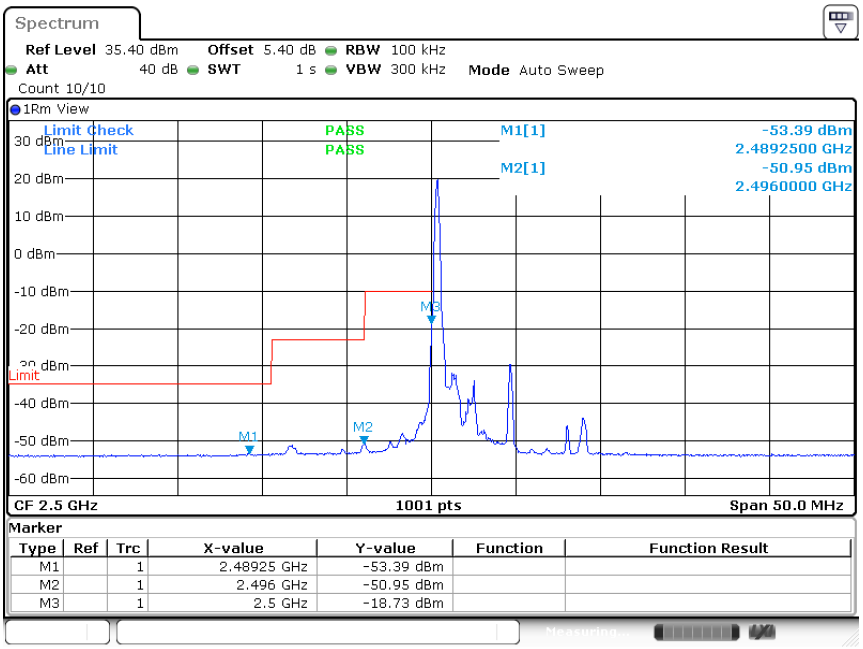

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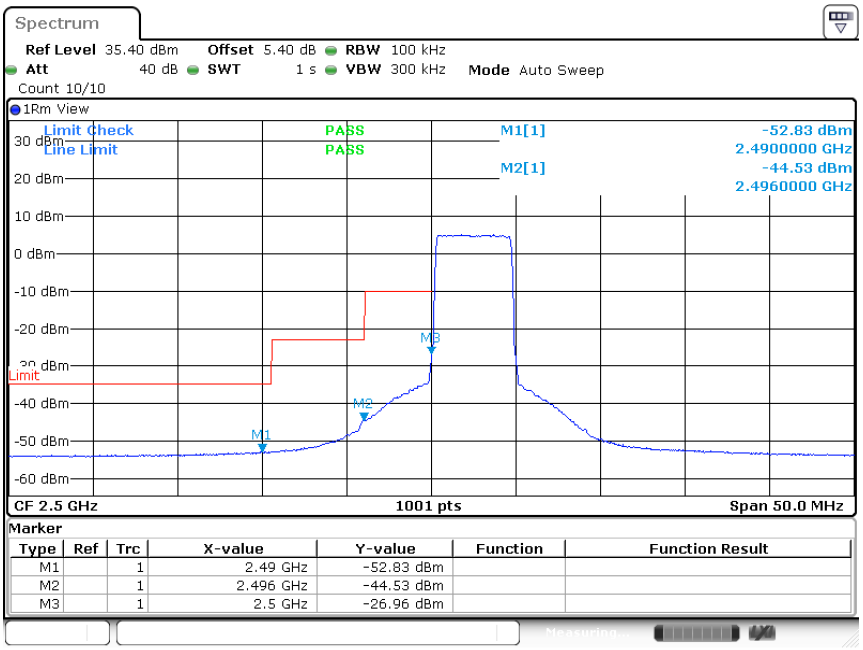

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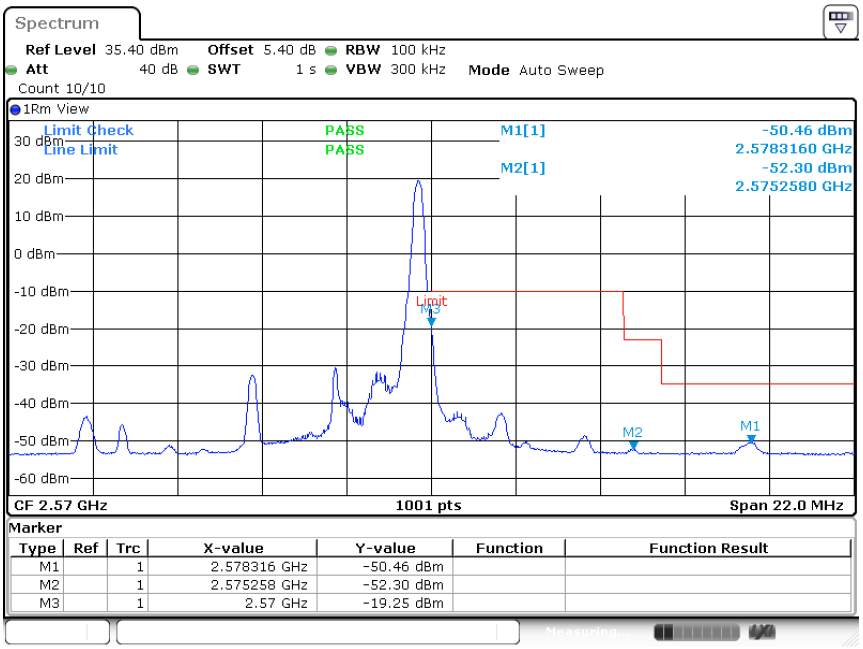
Band7-5MHz-16QAM-21425-1RB#24



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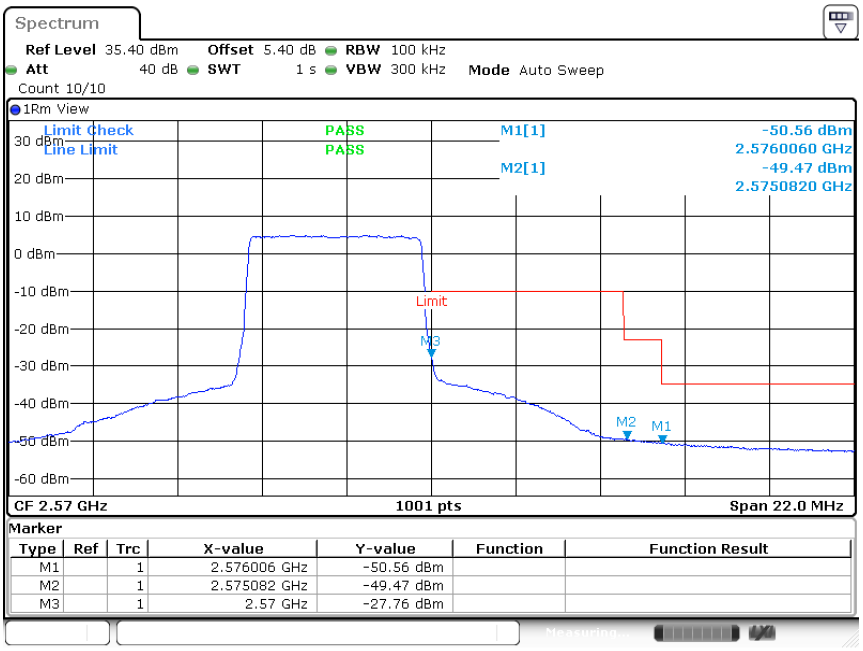

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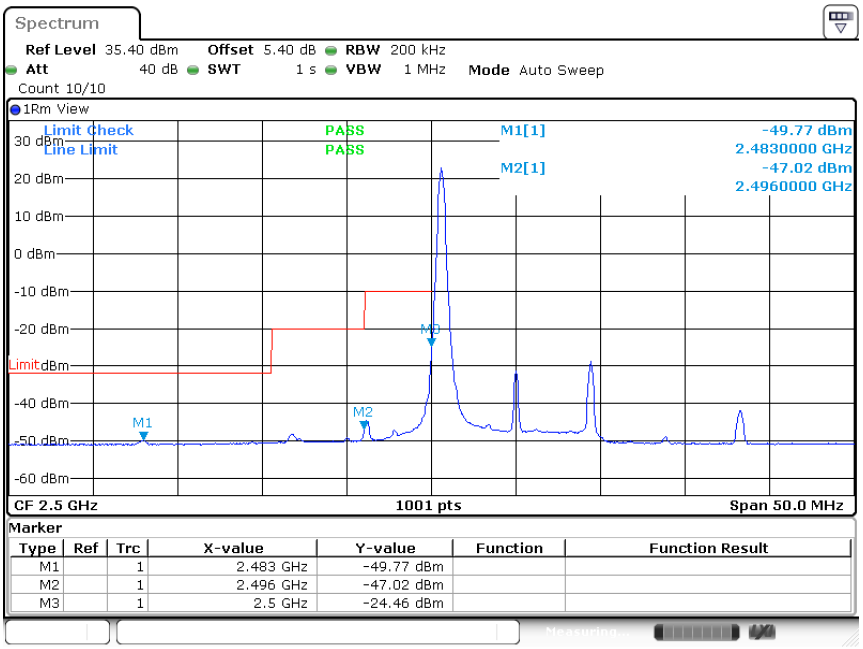
Band7-10MHz-QPSK-20800-1RB#0



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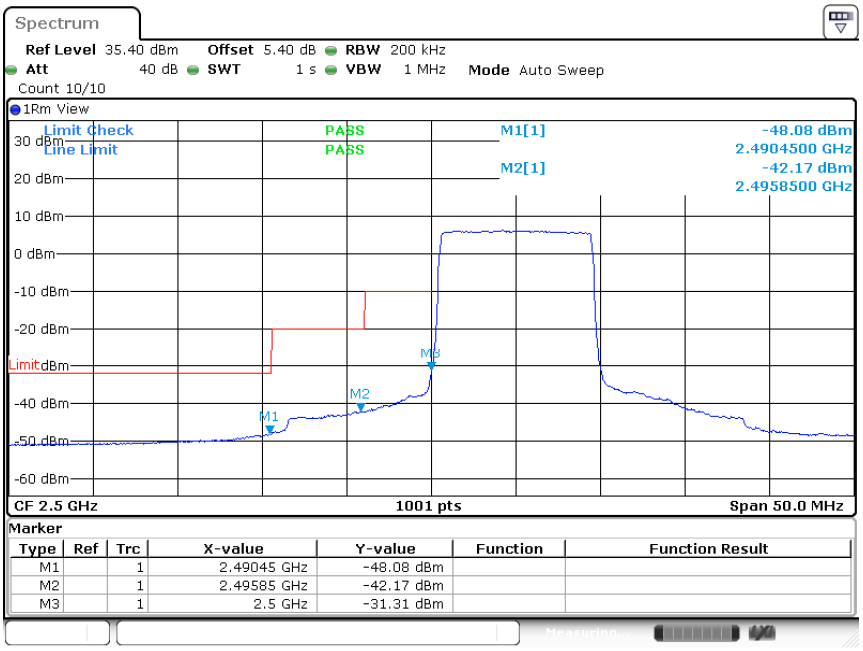

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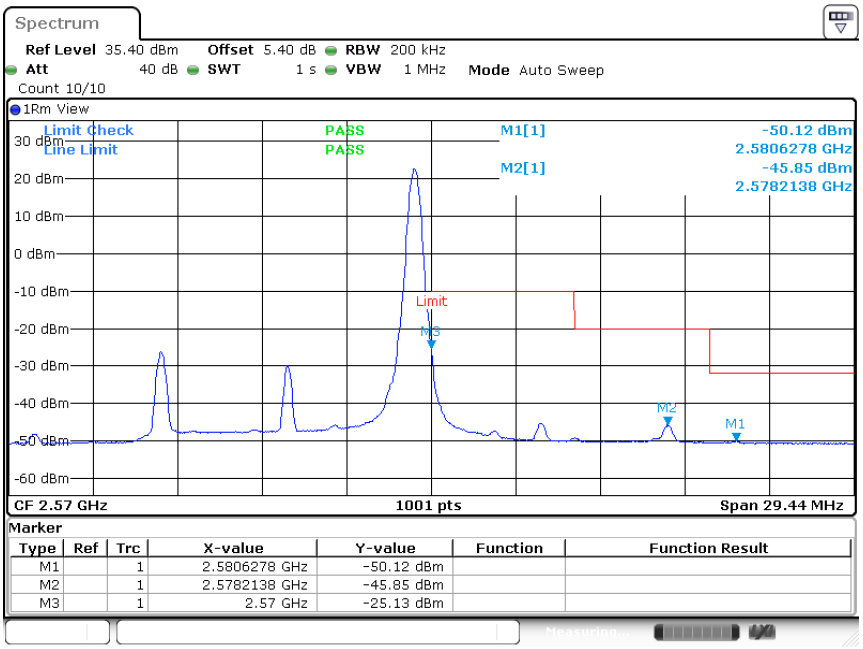

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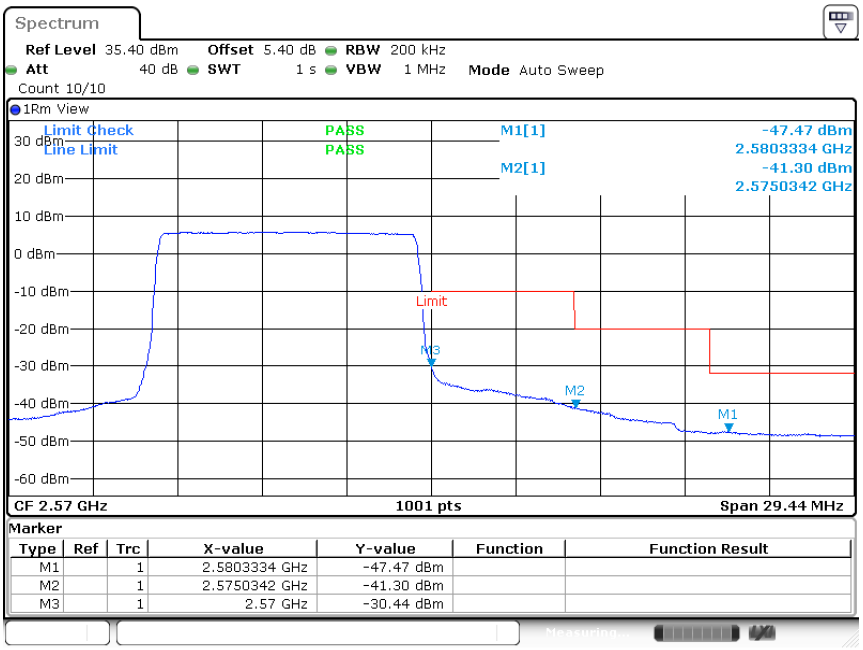

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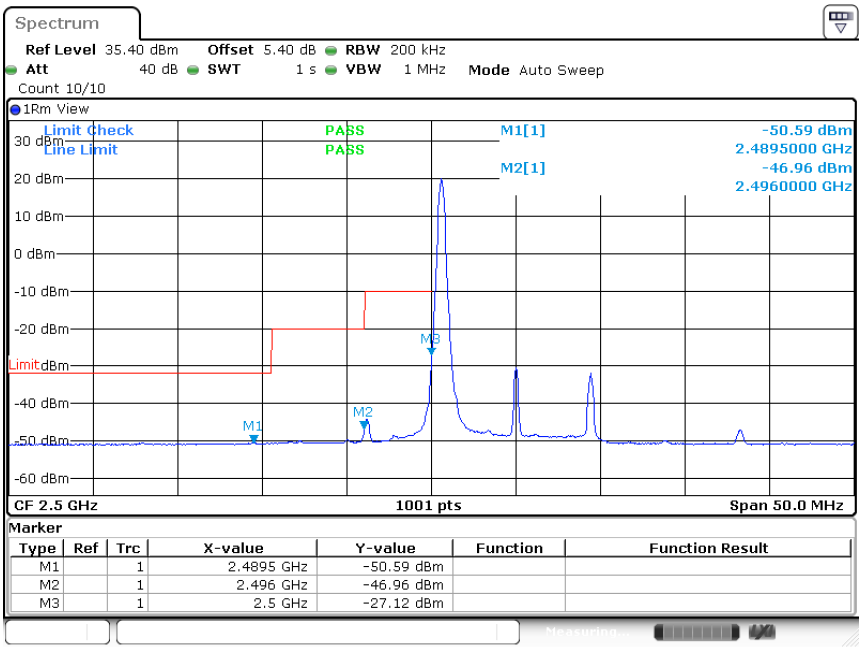

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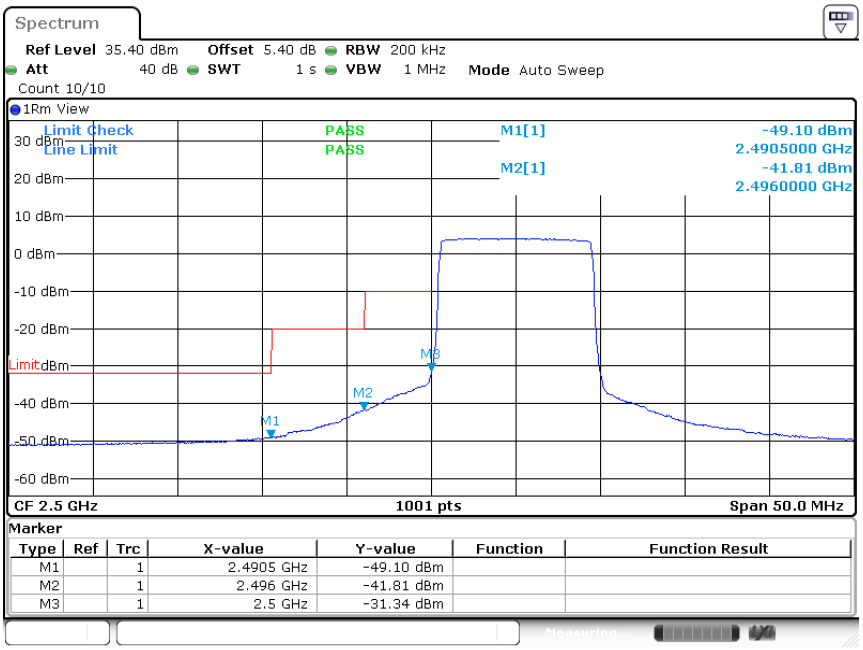
Band7-10MHz-64QAM-20800-50RB#0



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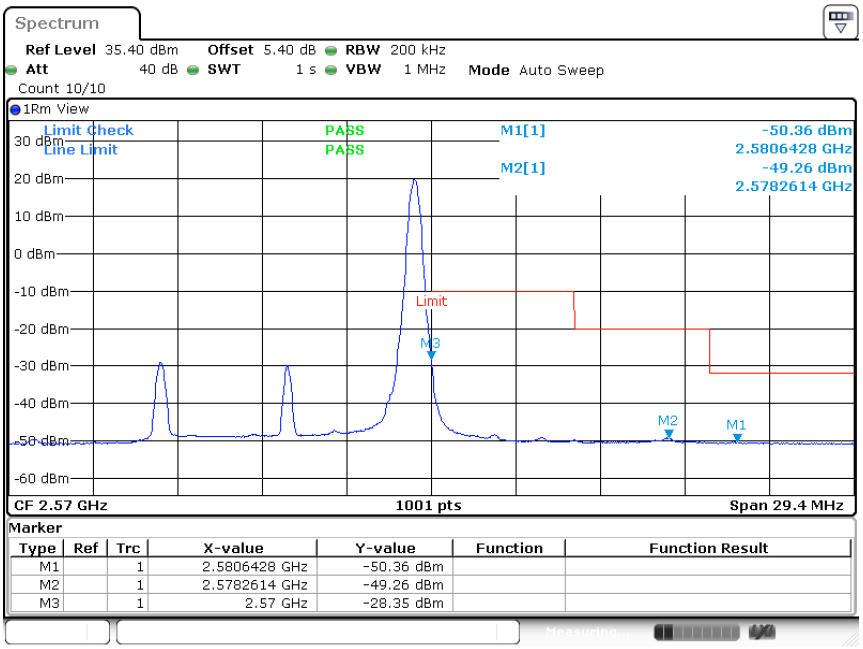

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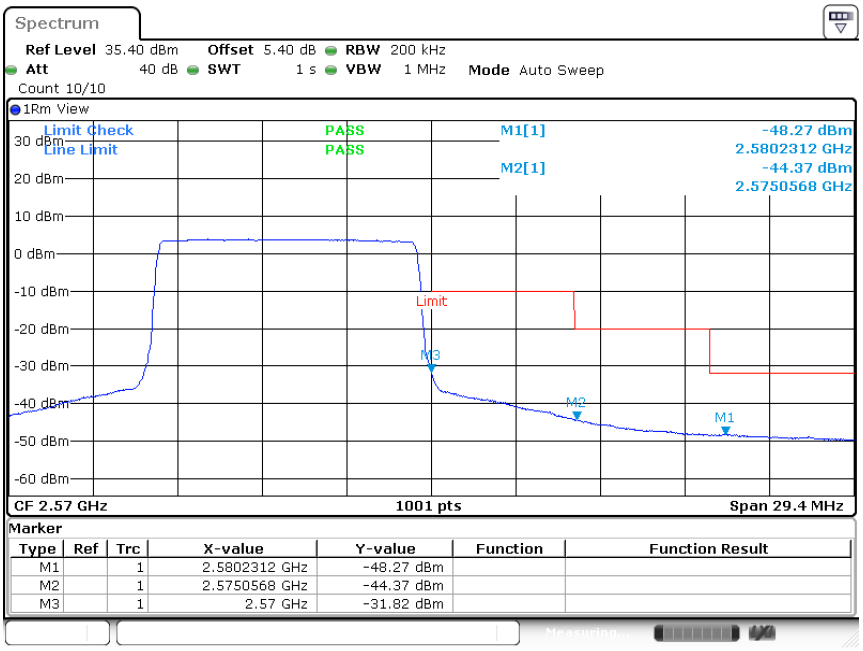
Band7-10MHz-64QAM-21400-50RB#0



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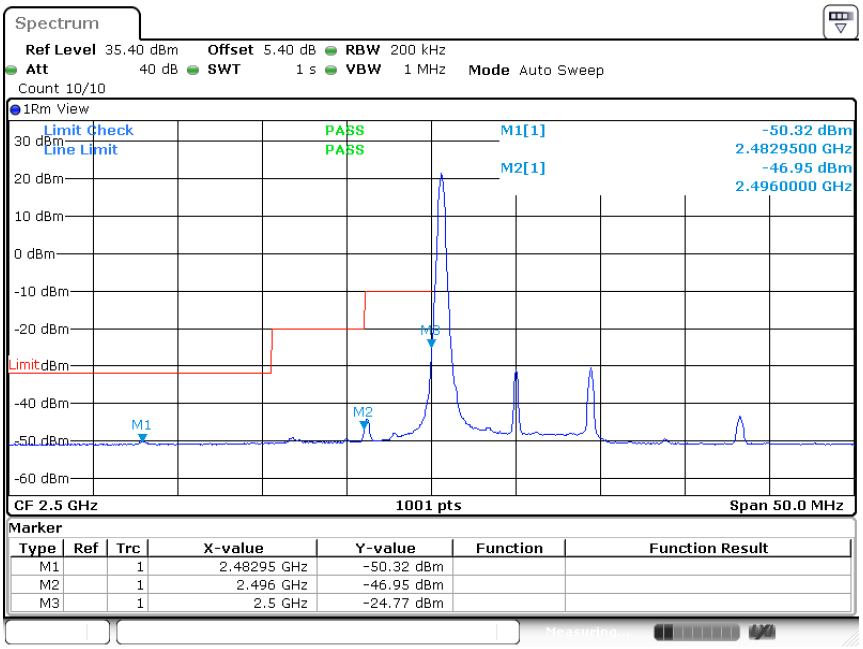

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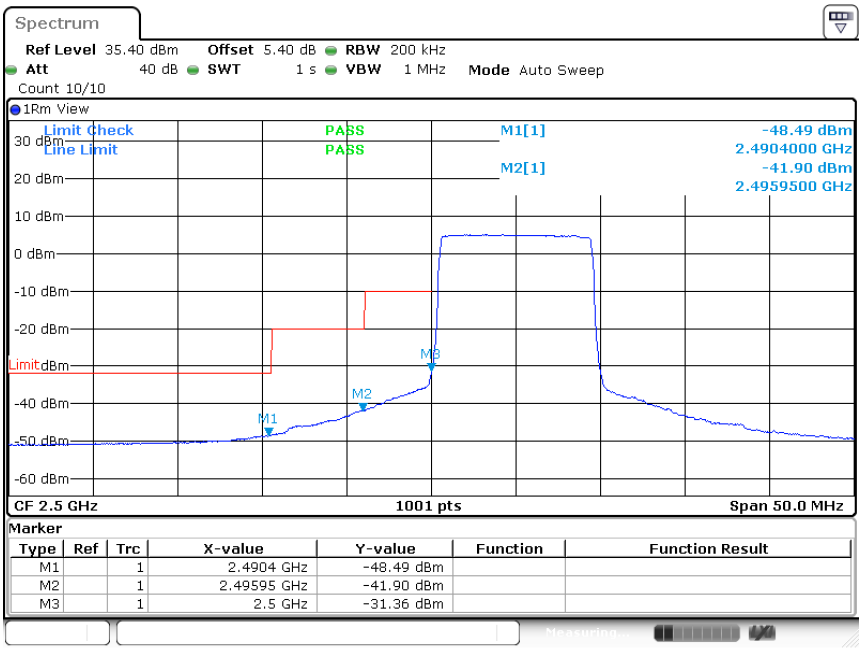

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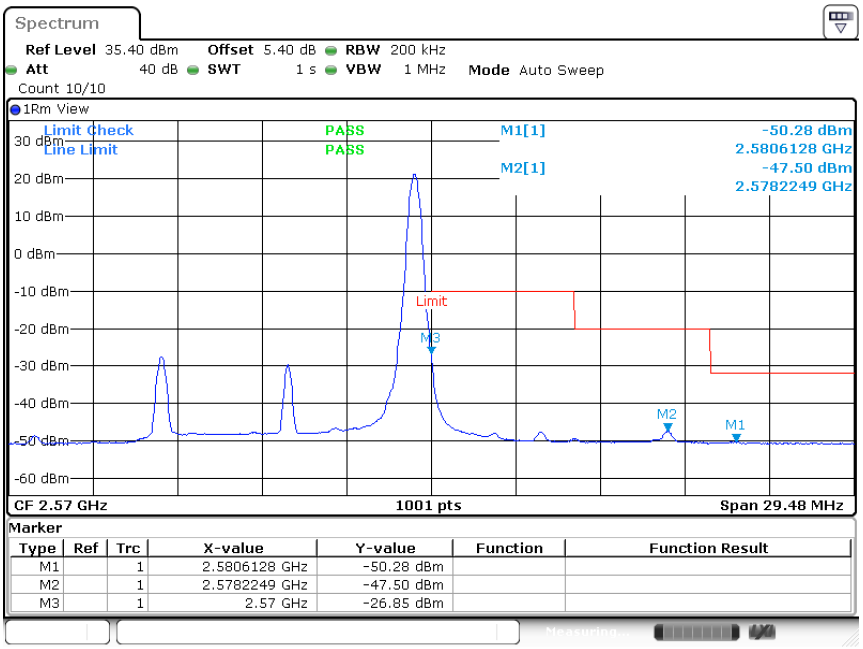

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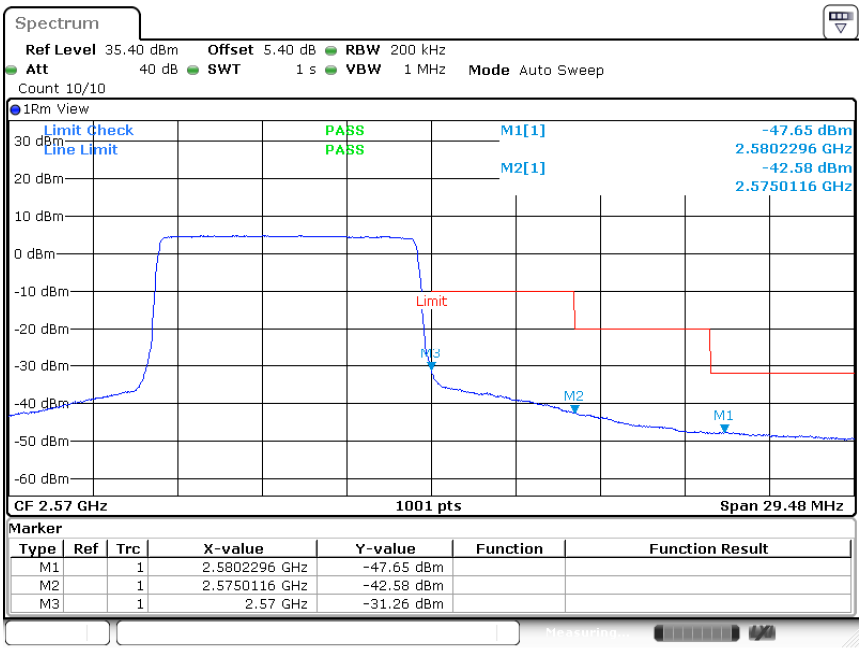

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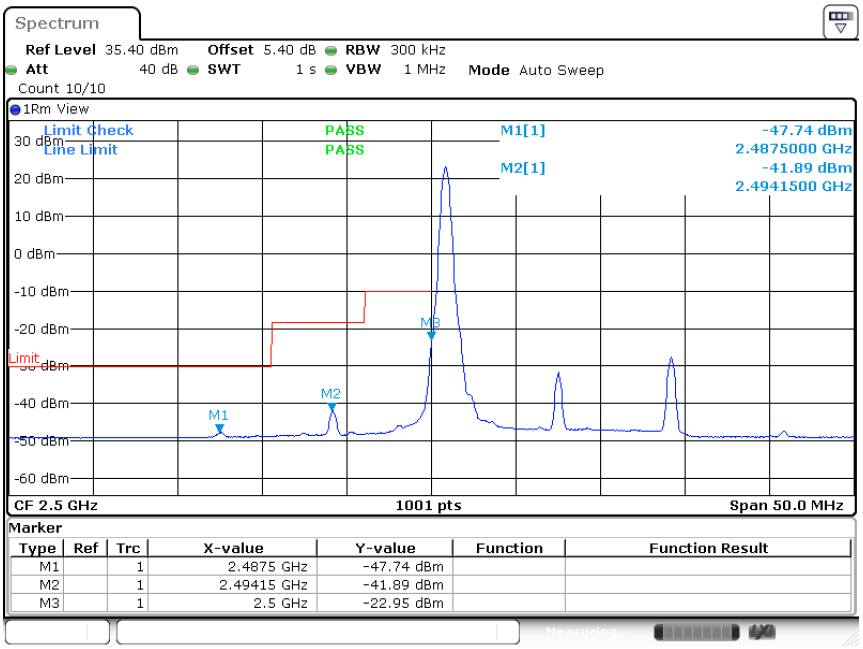

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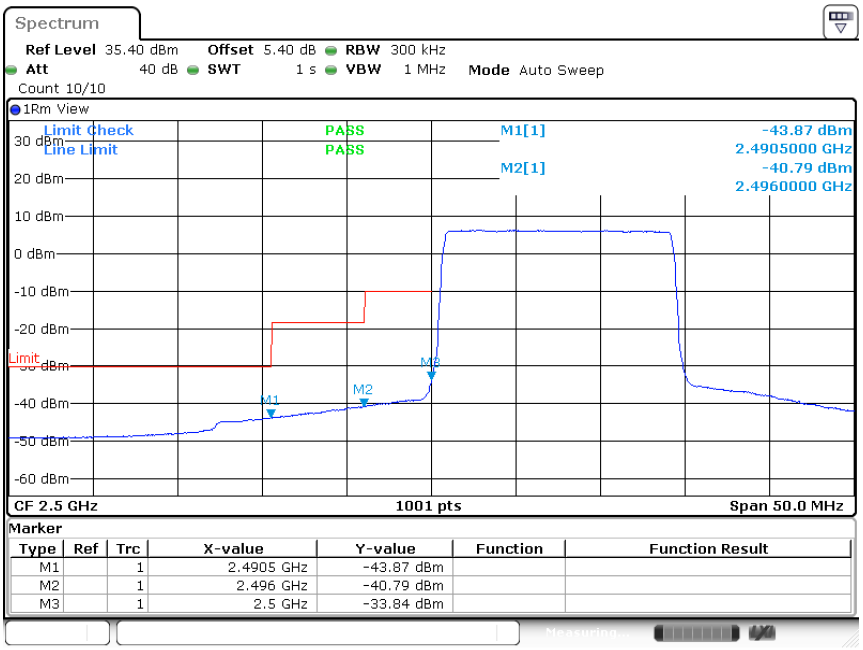

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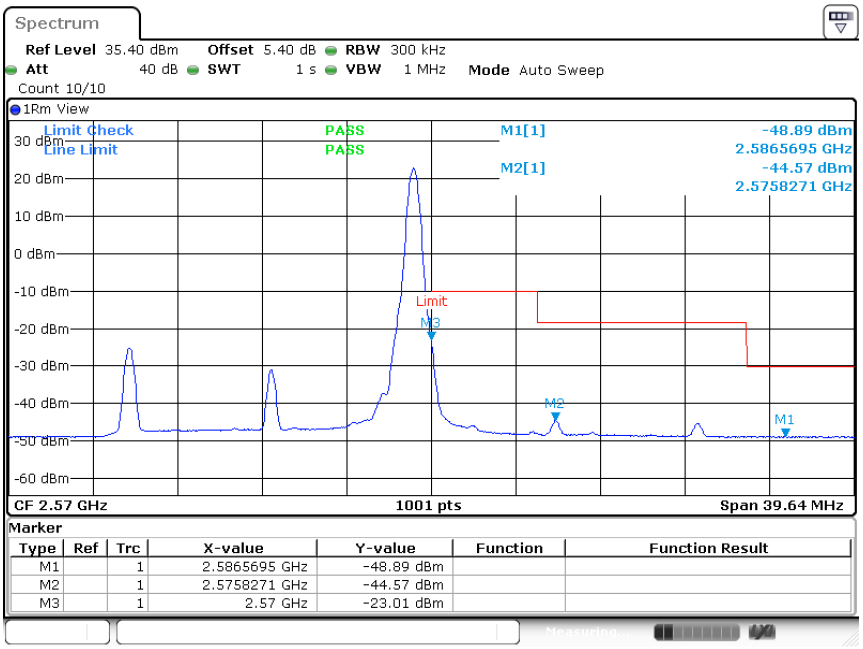
Band7-15MHz-QPSK-21375-1RB#74



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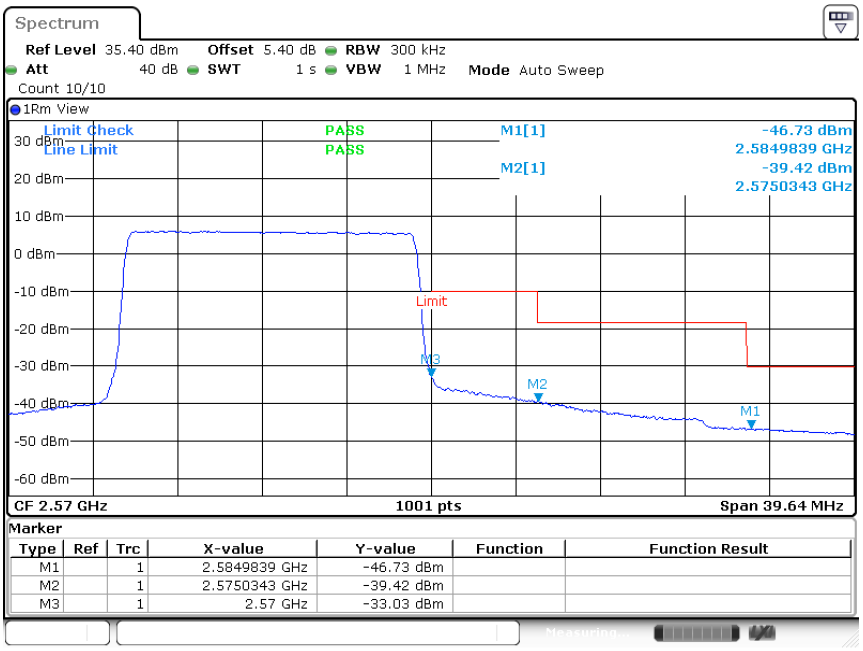

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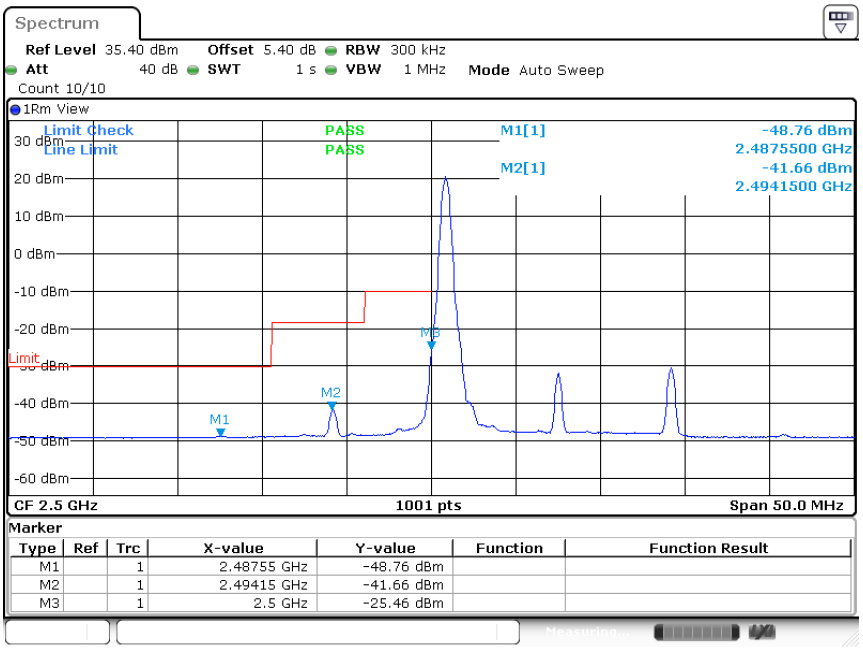

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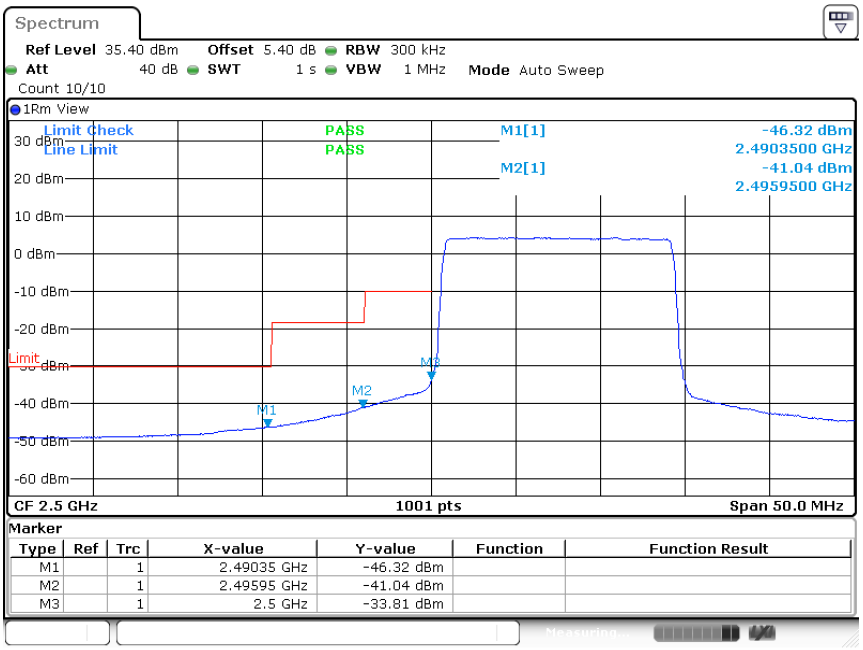

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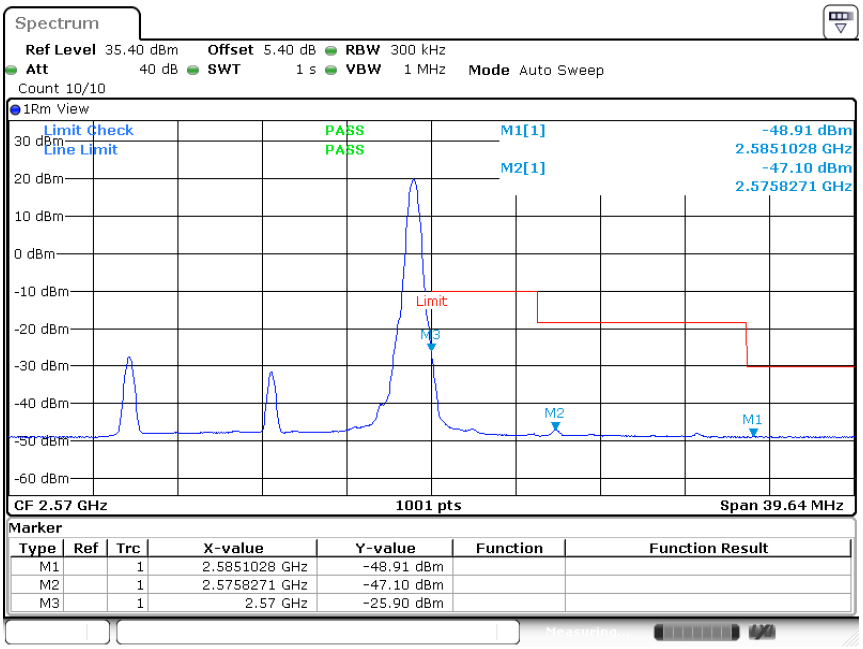

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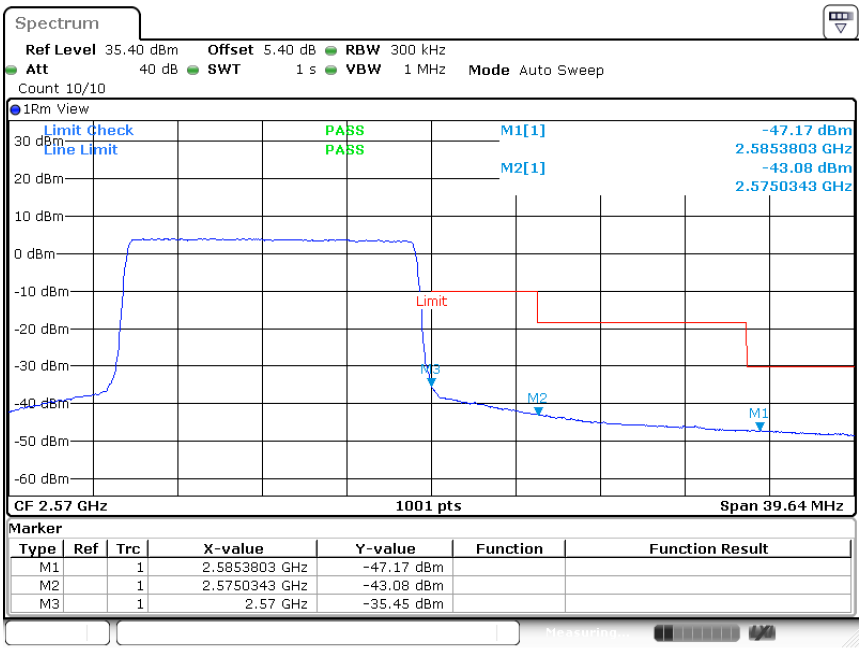

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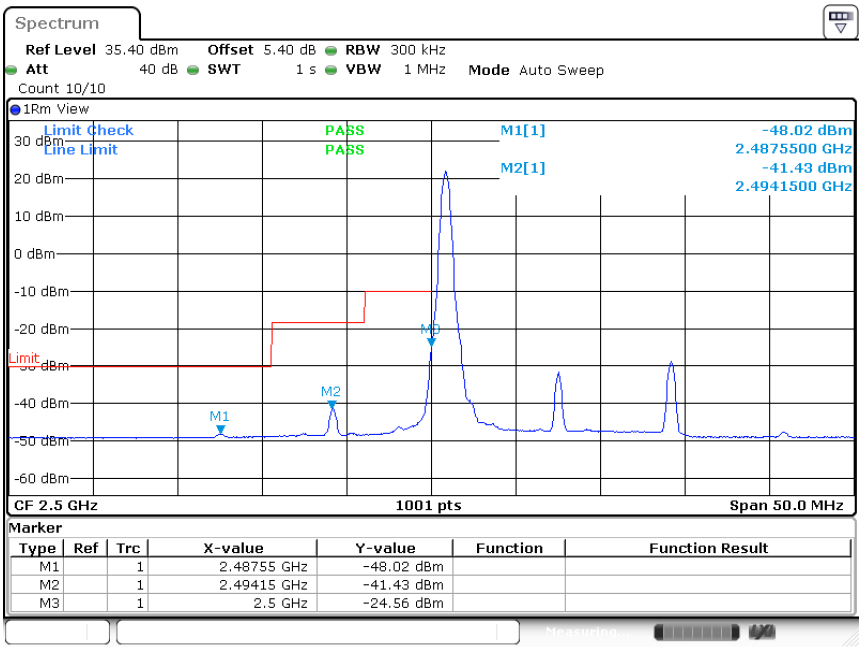

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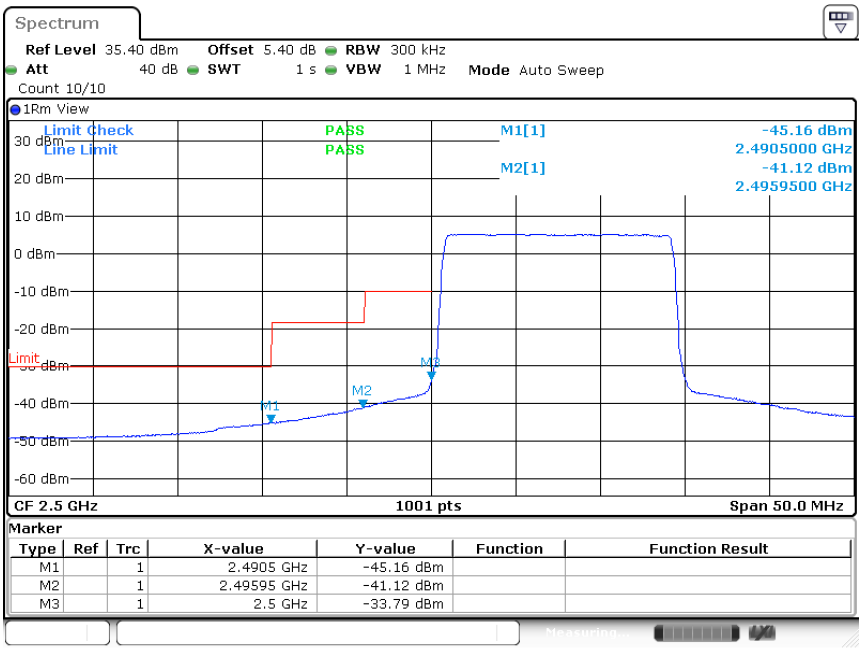

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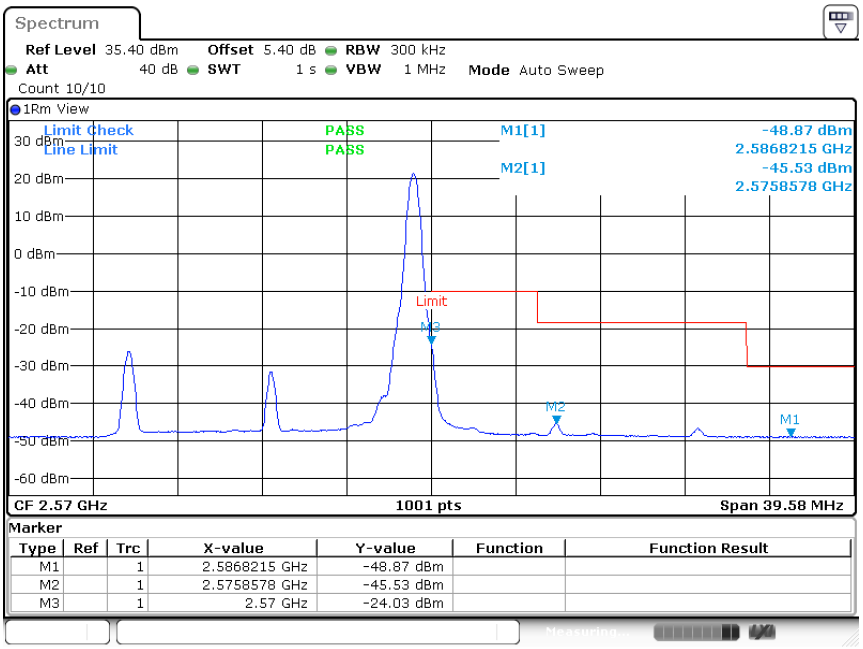

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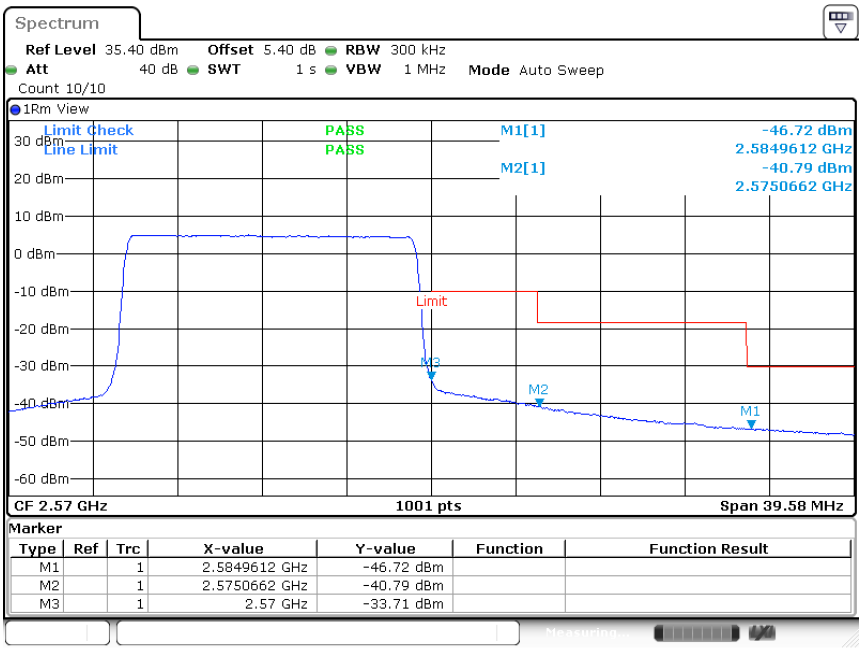

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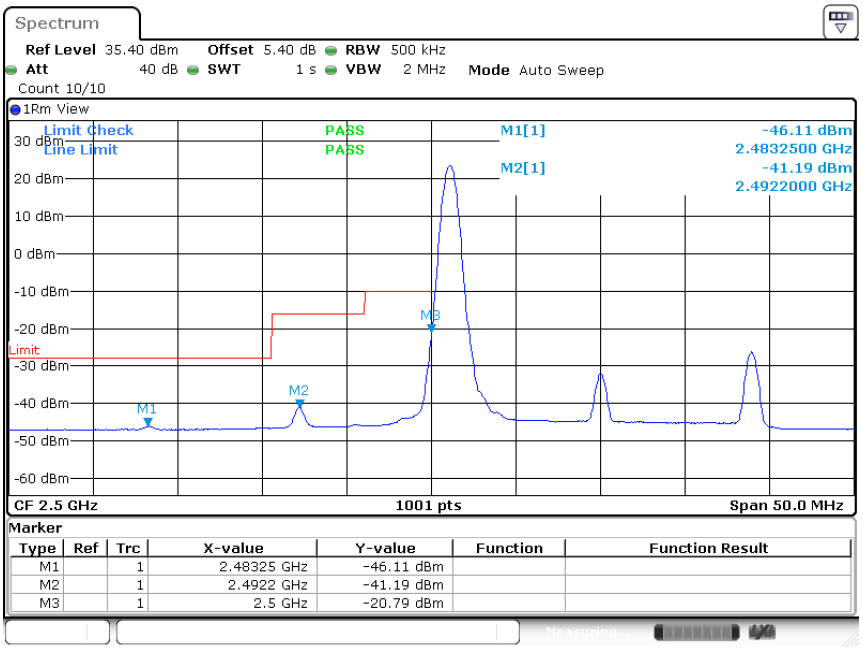

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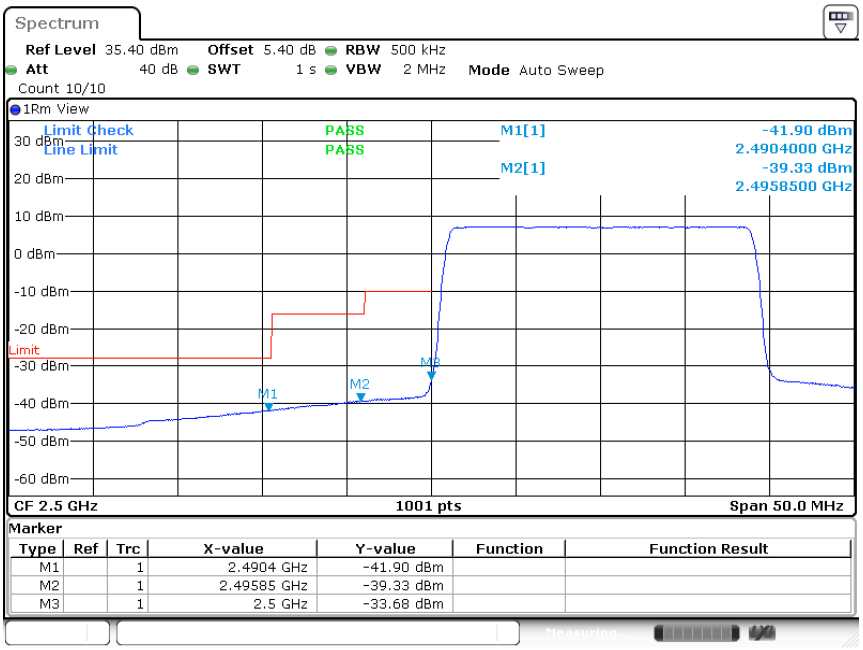

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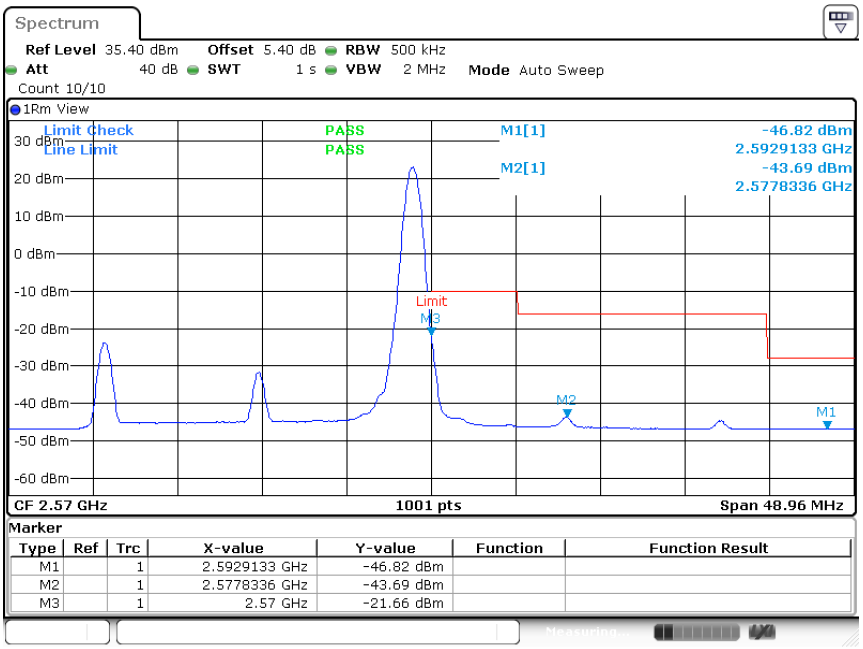

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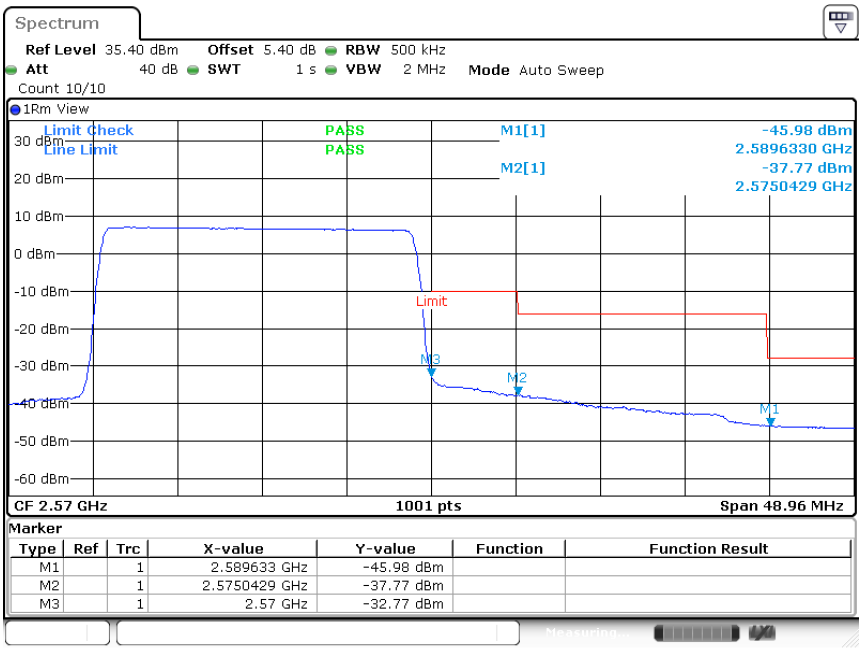
Band7-20MHz-QPSK-21350-100RB#0



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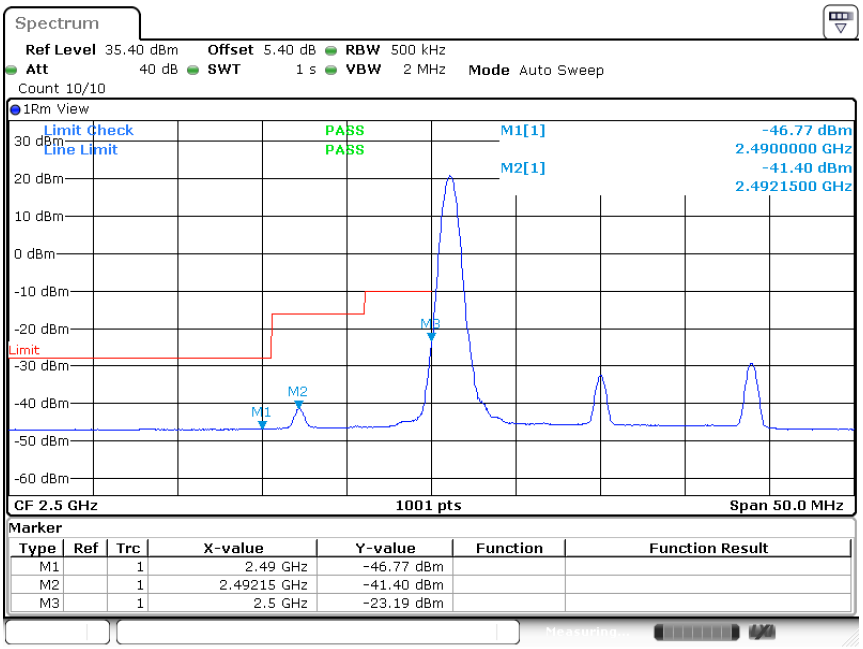
Band7-20MHz-64QAM-20850-1RB#0



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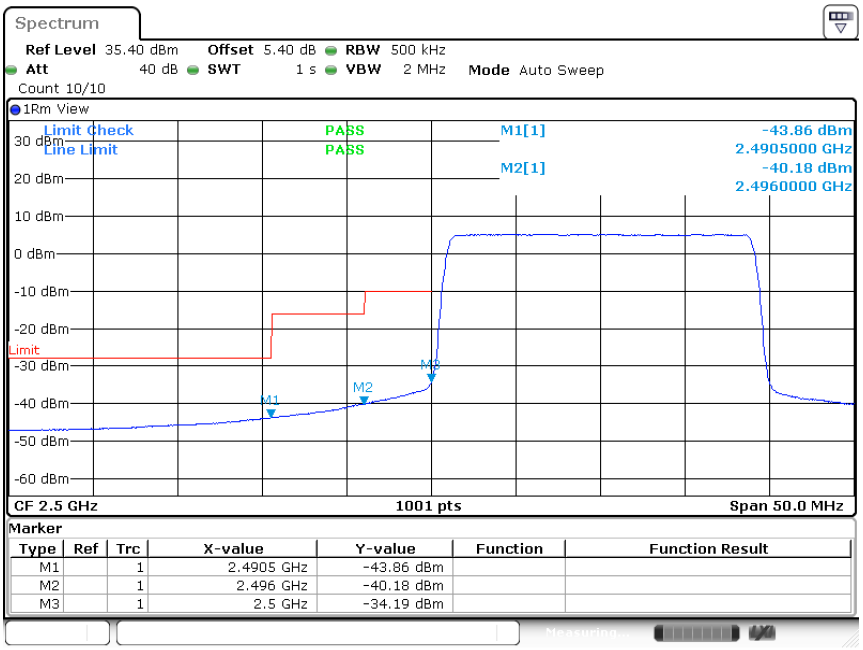
Band7-20MHz-64QAM-20850-100RB#0



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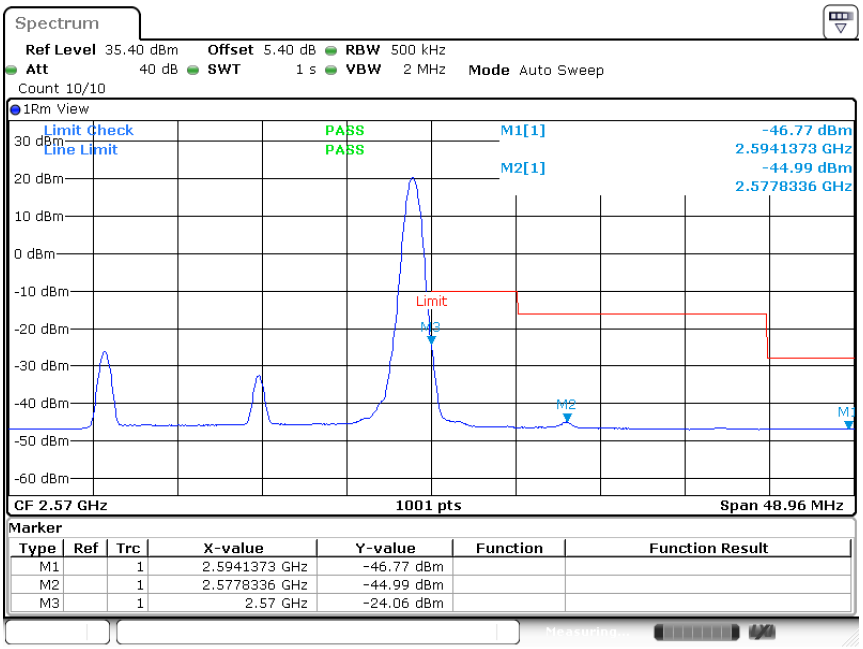
Band7-20MHz-64QAM-21350-1RB#99



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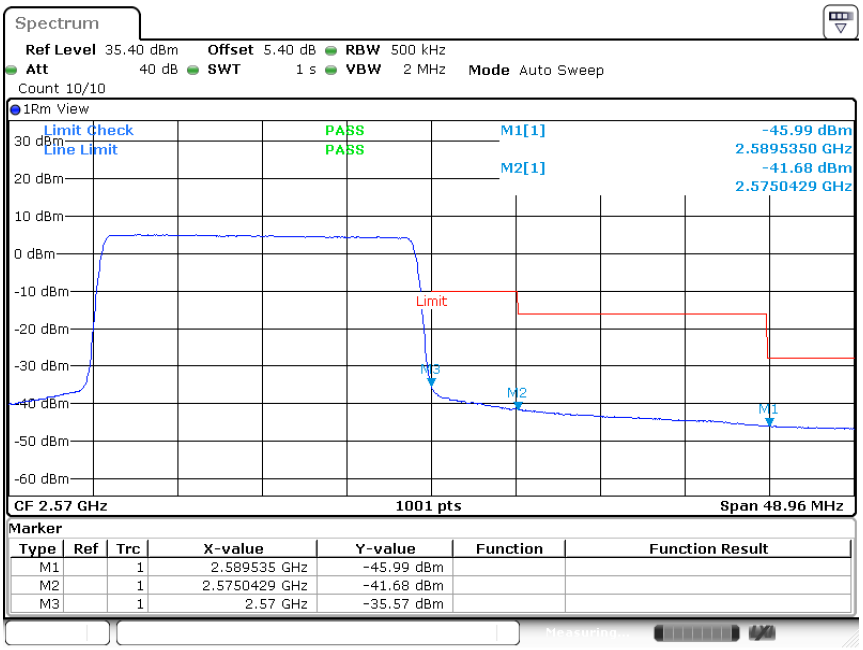
Band7-20MHz-64QAM-21350-100RB#0



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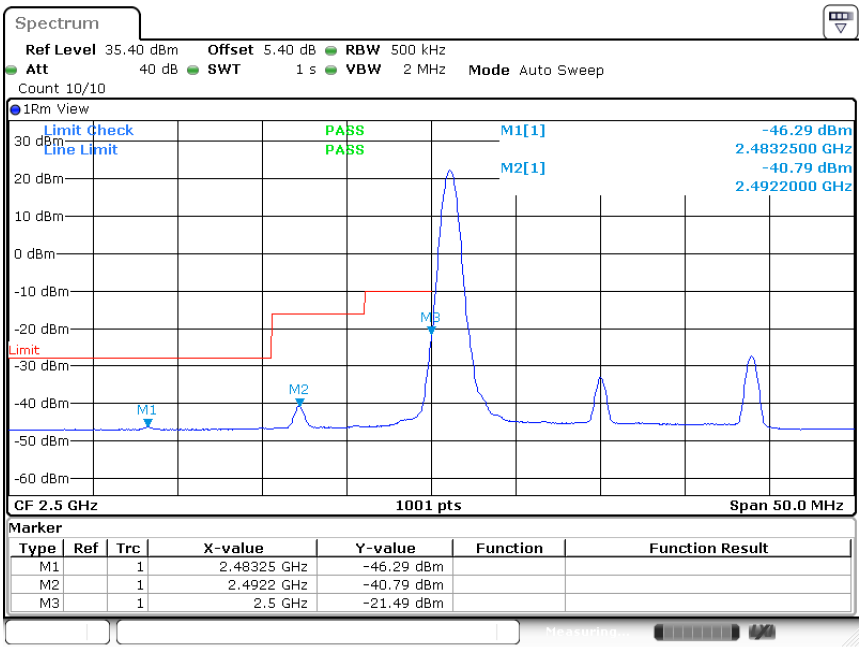
Band7-20MHz-16QAM-20850-1RB#0



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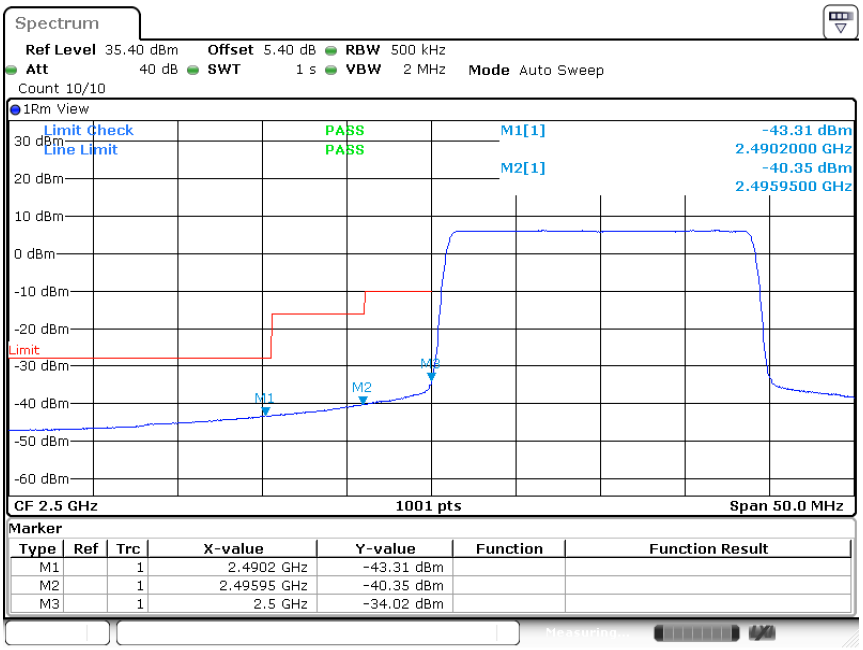
Band7-20MHz-16QAM-20850-100RB#0



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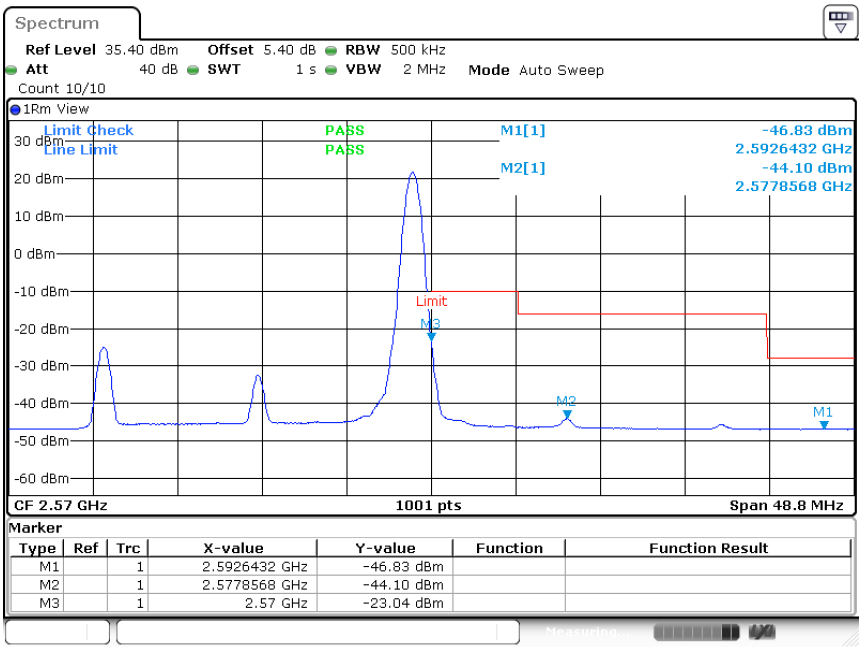
Band7-20MHz-16QAM-21350-1RB#99



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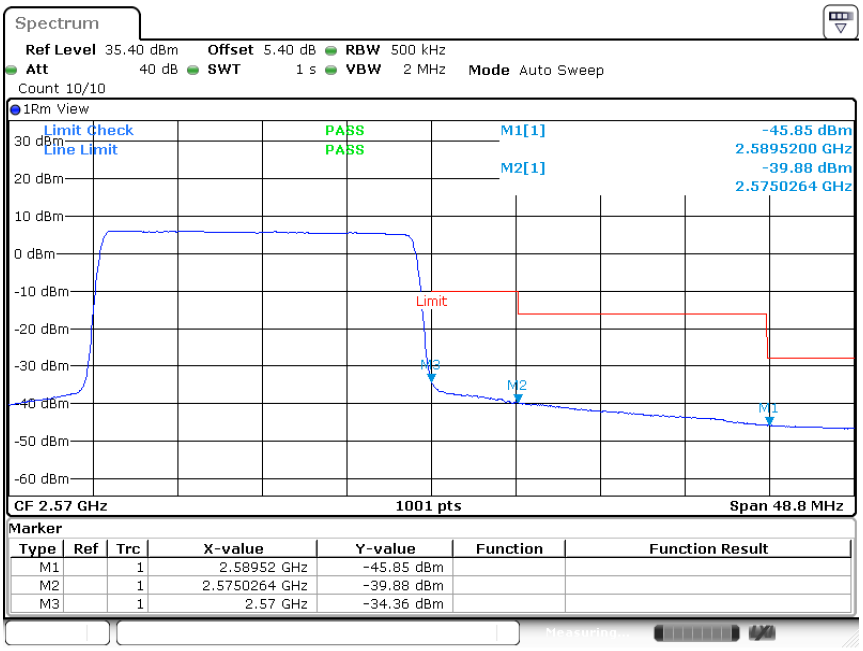
Band7-20MHz-16QAM-21350-100RB#0



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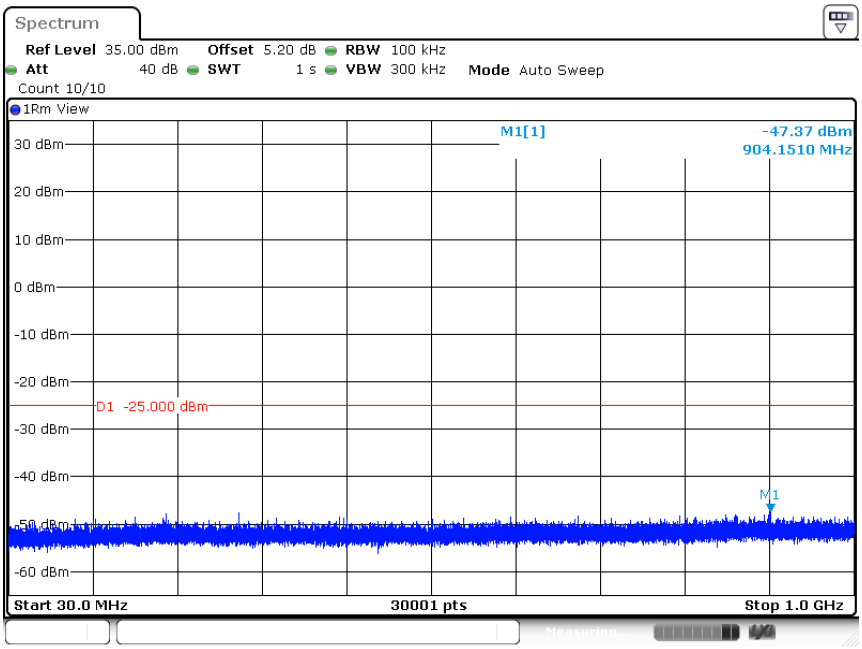
6. Spurious Emission at Antenna Terminal

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

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

6.1. Test Plots

Band7-20MHz-QPSK-20850-1RB#0-Range1:30~1000MHz



Date: 7.SEP.2020 18:26:14

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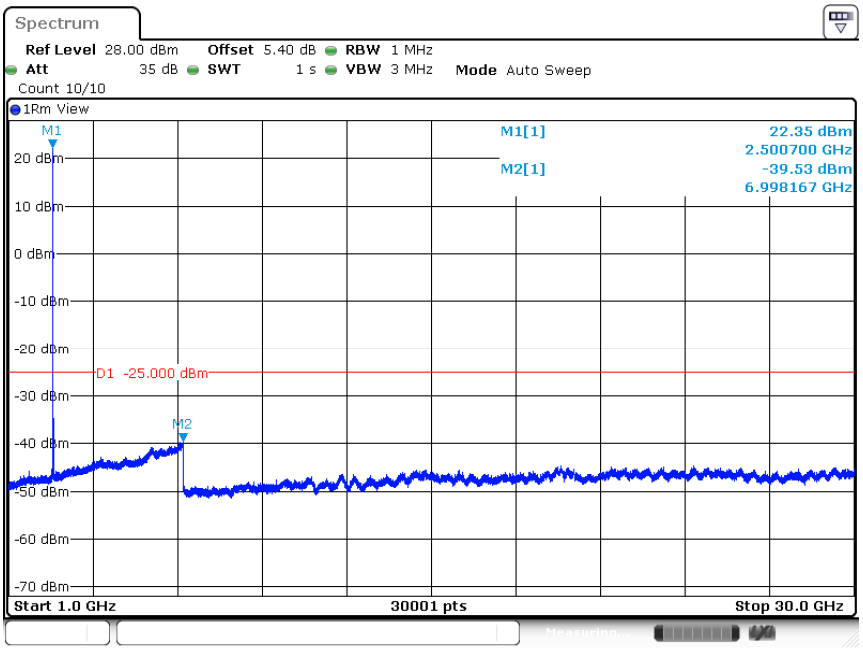
Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~30000MHz



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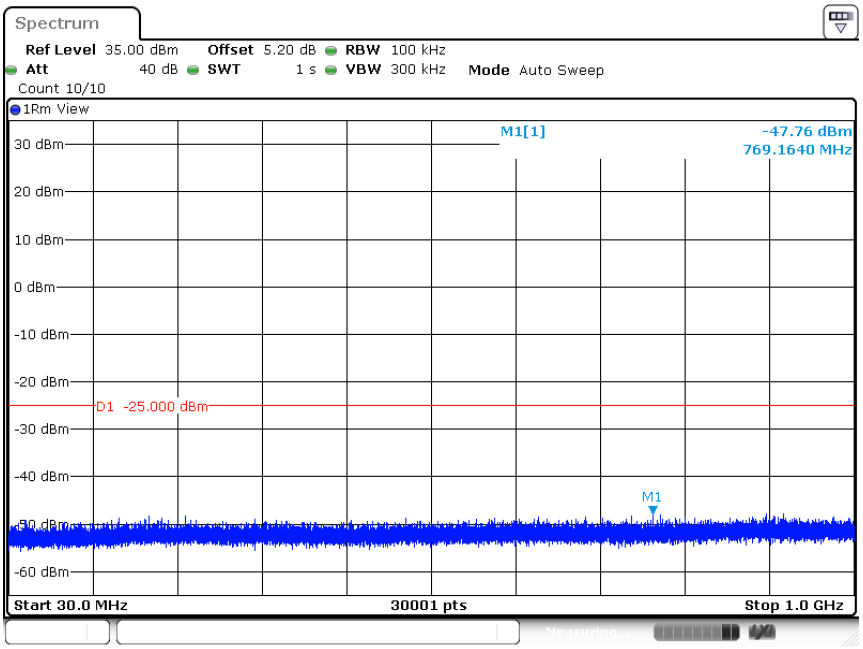

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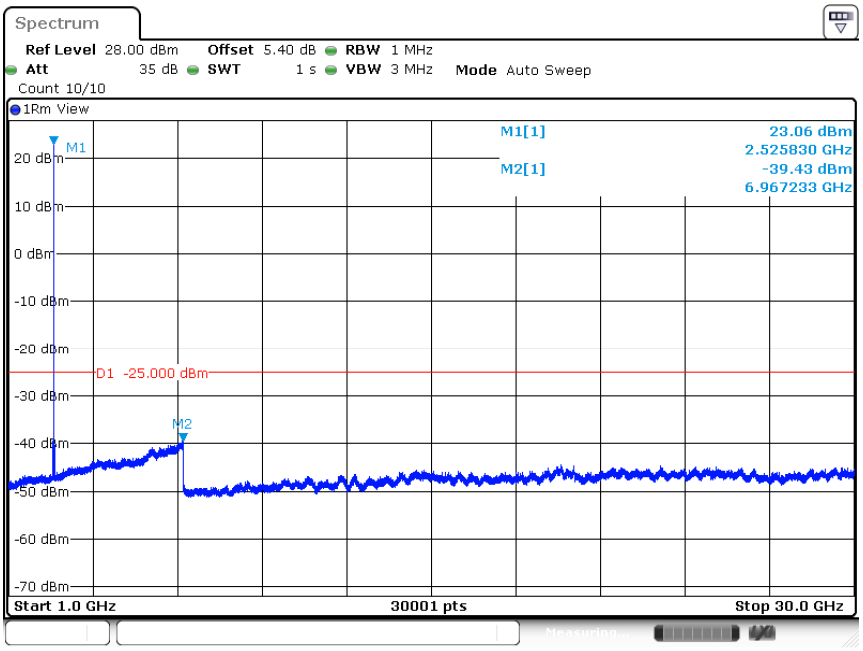

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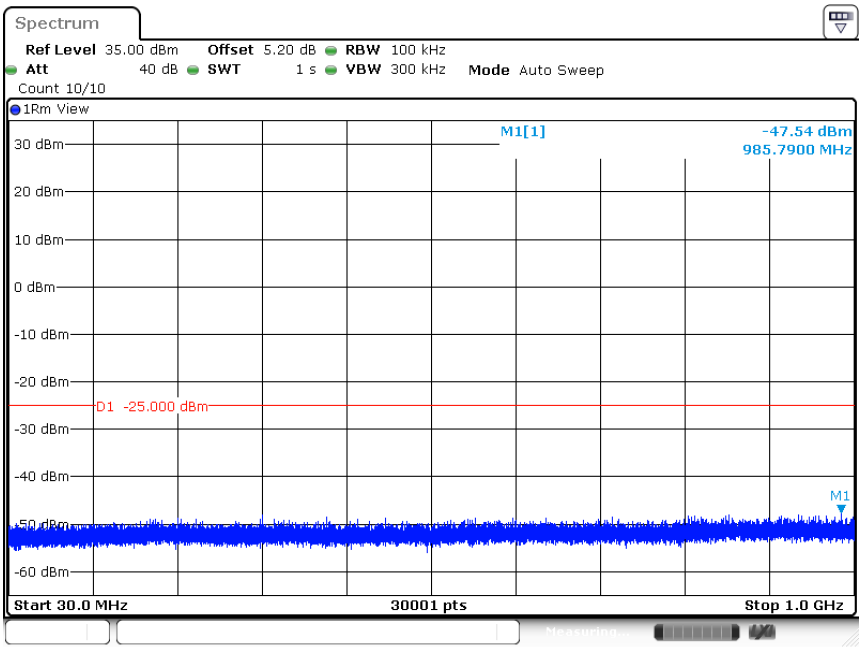

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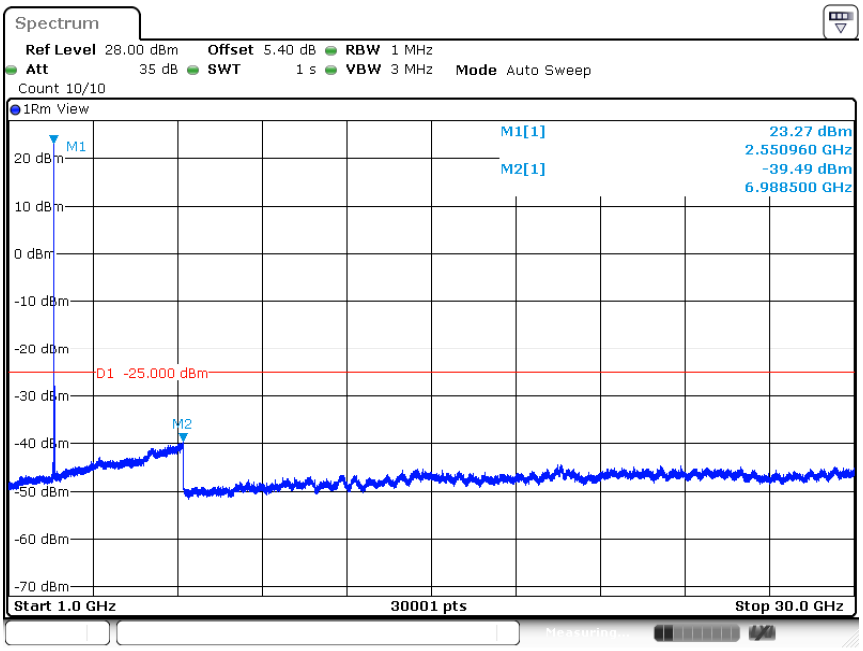
Band7-20MHz-QPSK-21350-1RB#0-Range2:1000~30000MHz



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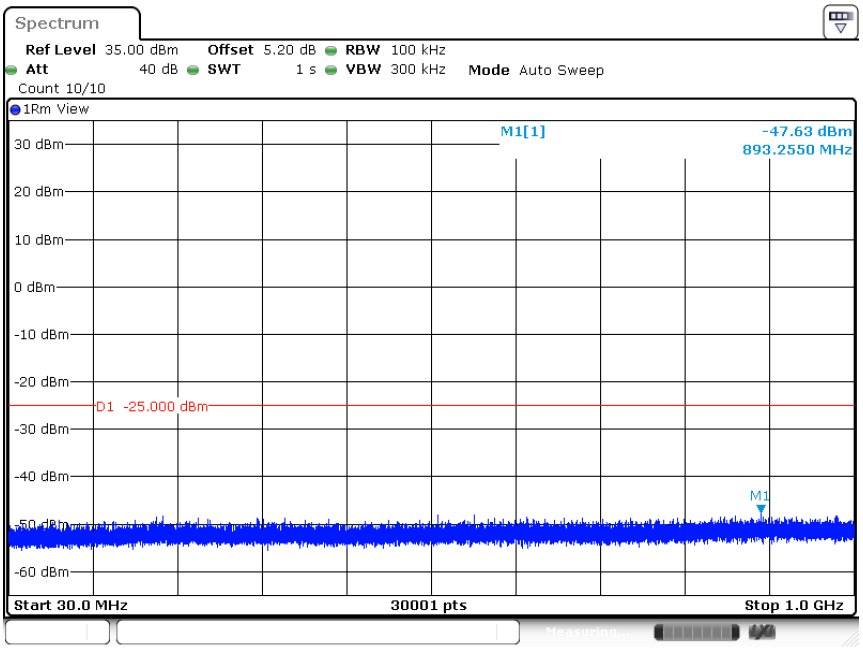

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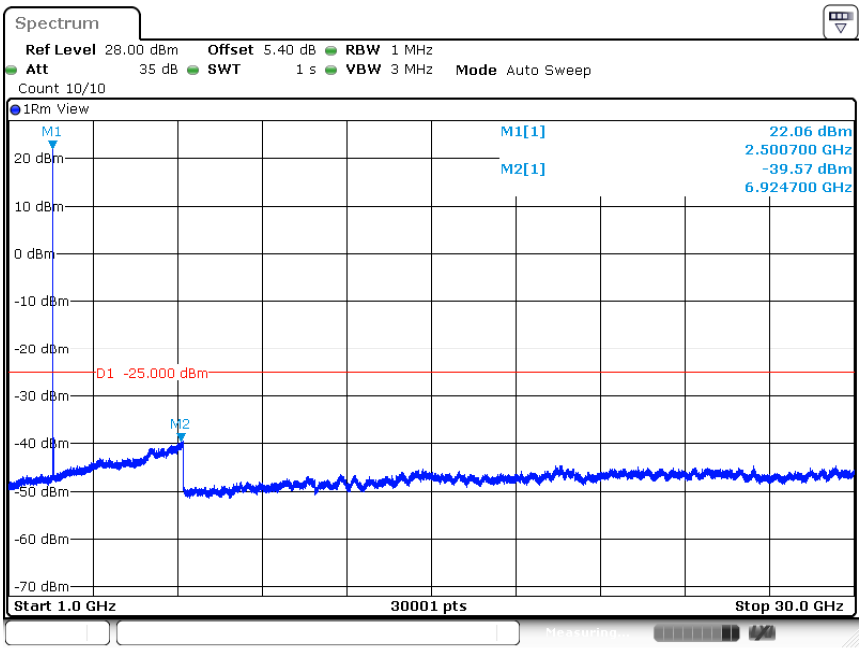

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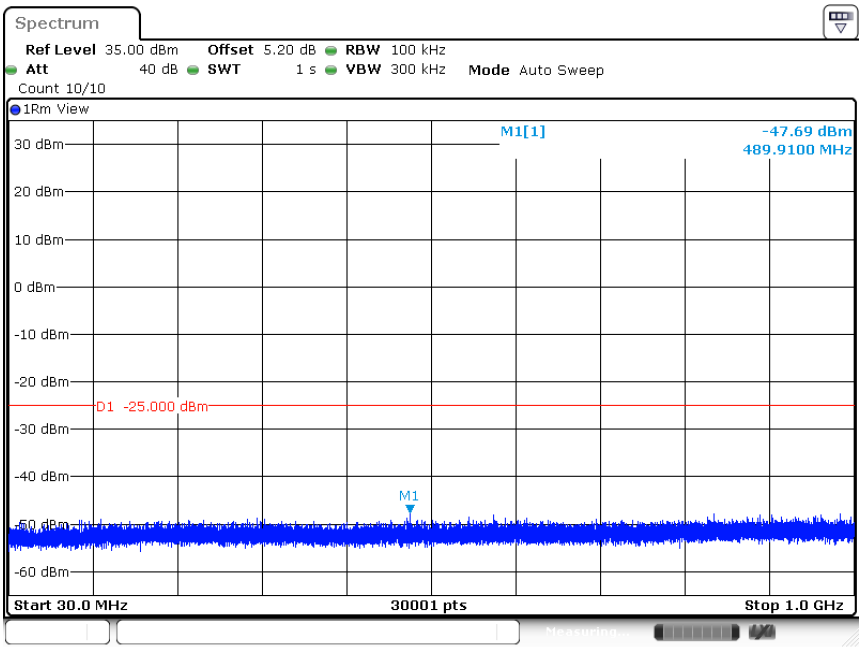

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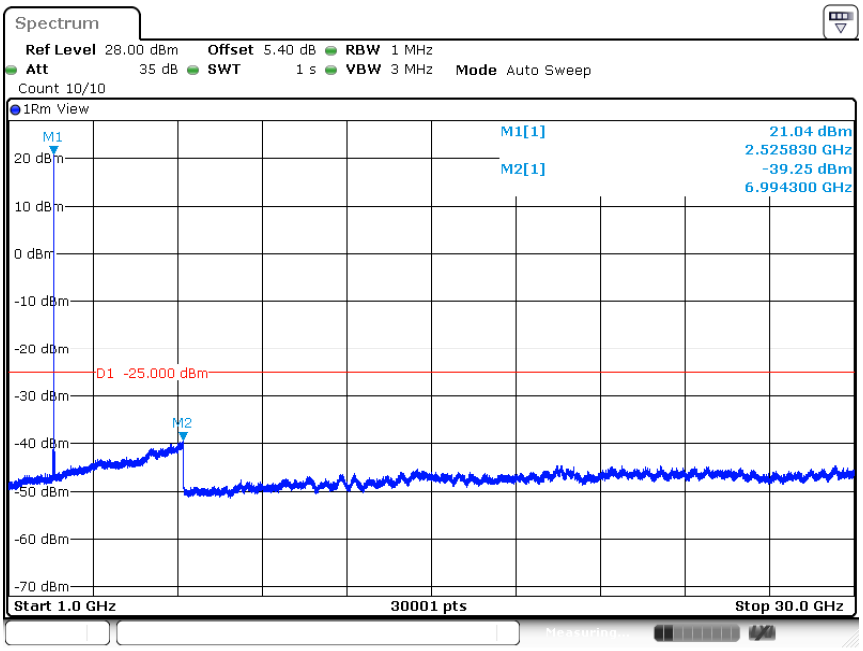
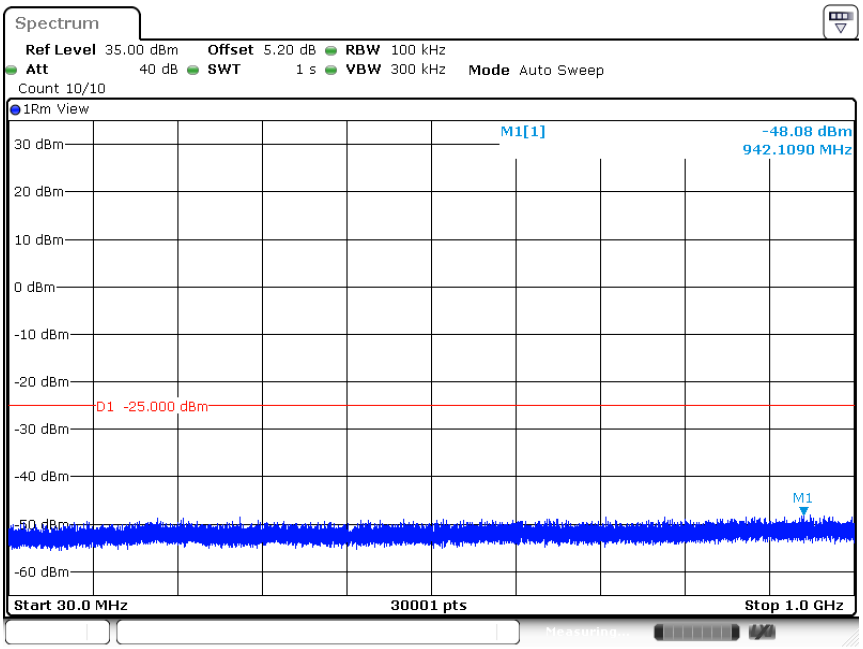
Band7-20MHz-64QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 7.SEP.2020 18:42:12

Band7-20MHz-64QAM-21350-1RB#0-Range1:30~1000MHz



Date: 7.SEP.2020 18:42:31

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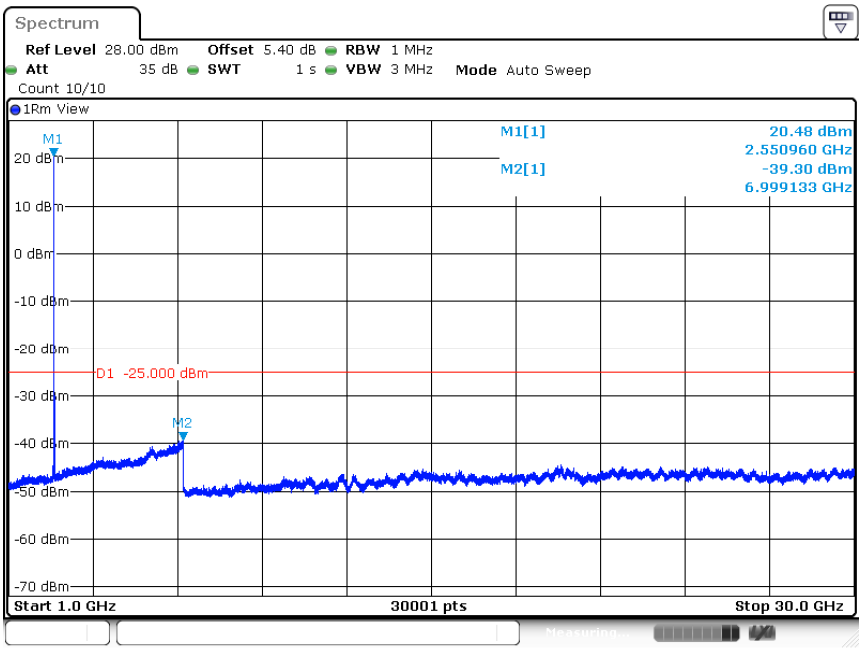
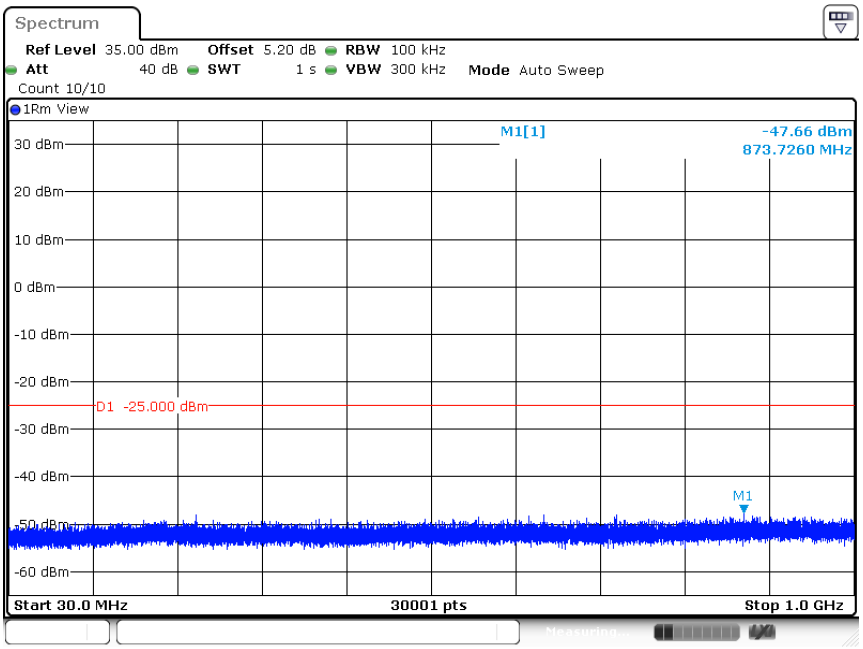
Band7-20MHz-64QAM-21350-1RB#0-Range2:1000~30000MHz



Date: 7.SEP.2020 18:42:47

Band7-20MHz-16QAM-20850-1RB#0-Range1:30~1000MHz



Date: 7.SEP.2020 18:26:49

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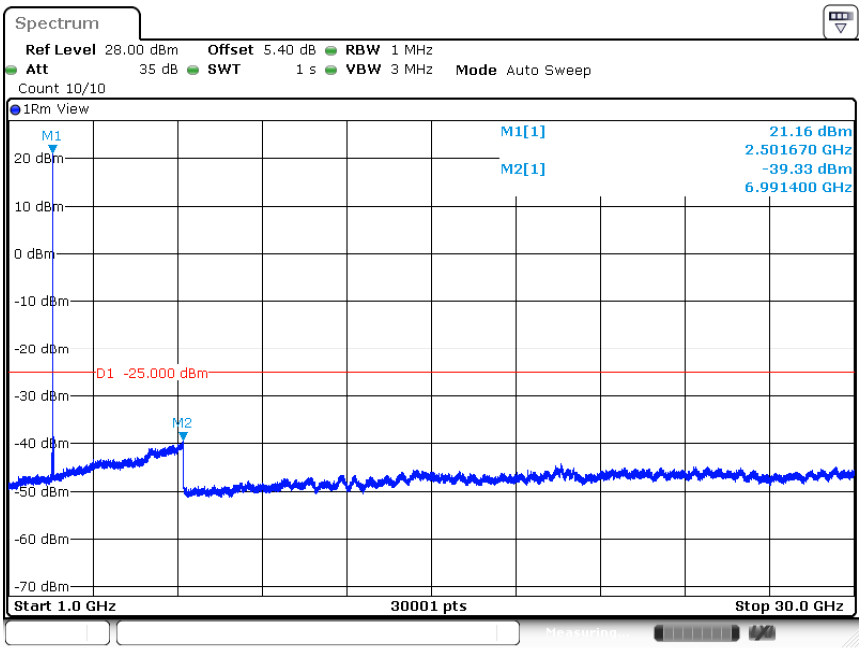
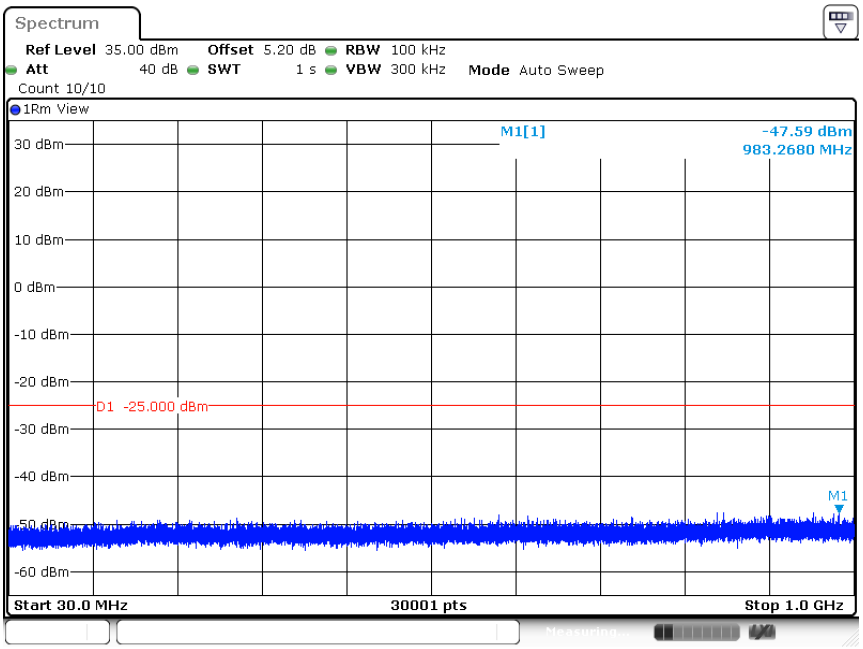


Date: 7.SEP.2020 18:27:06

Band7-20MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



Date: 7.SEP.2020 18:28:00

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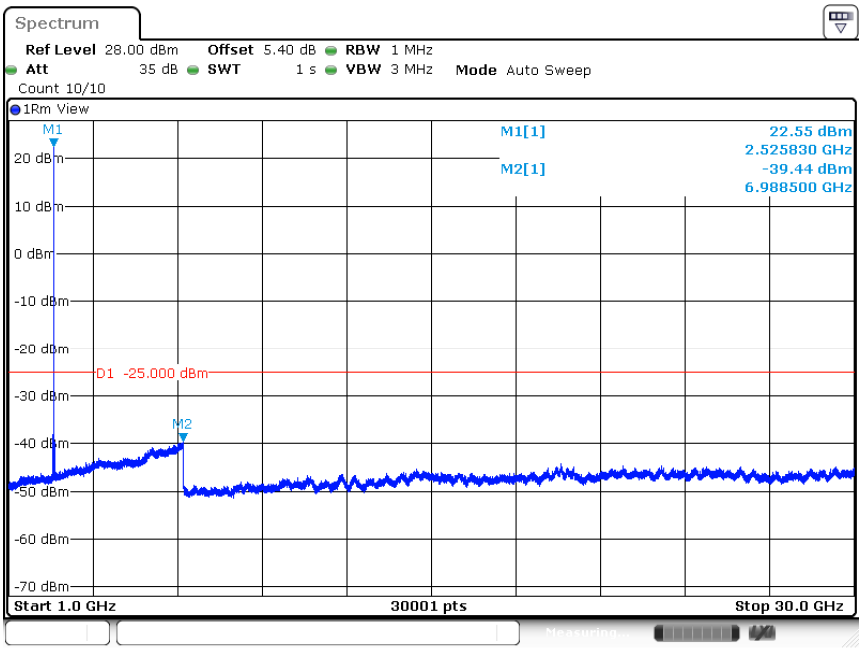
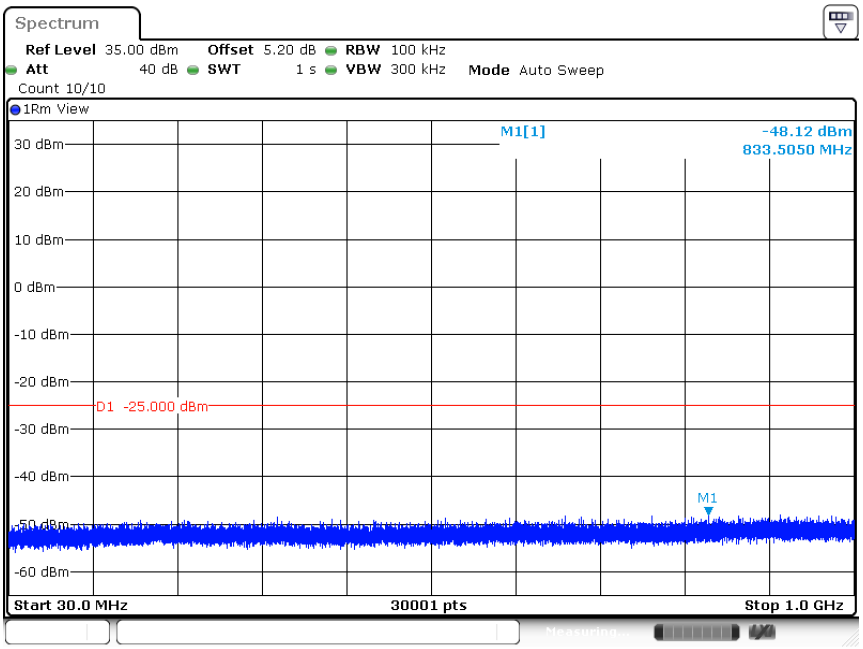


Date: 7.SEP.2020 18:28:16

Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1000MHz



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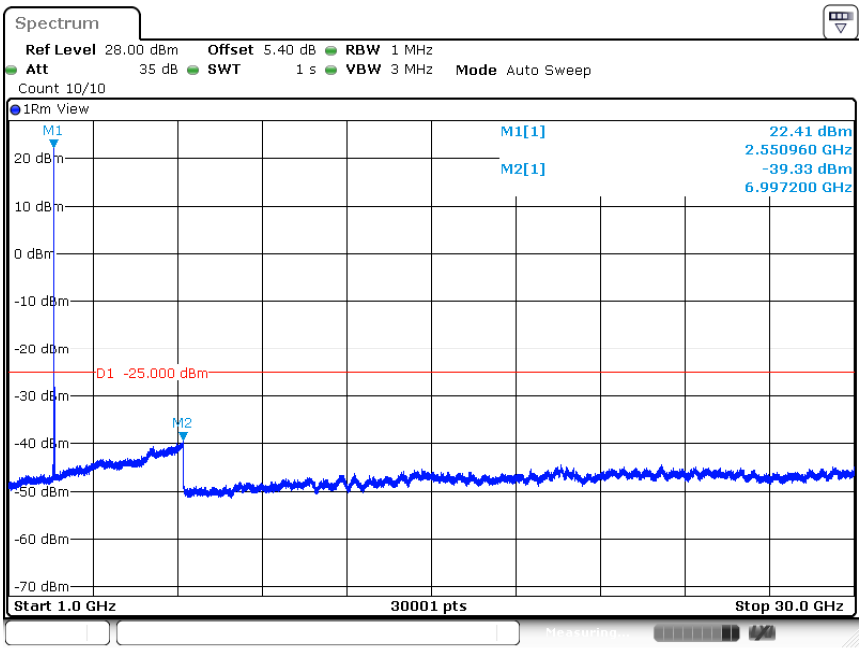

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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1.Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
50.9045	-73.44	-25.00	48.44	Vertical
109.6895	-65.05	-25.00	40.05	Vertical
641.7611	-65.02	-25.00	40.02	Vertical
5002.2801	-64.33	-25.00	39.33	Vertical
7503.1801	-54.17	-25.00	29.17	Vertical
17995.1998	-41.98	-25.00	16.98	Vertical
43.6777	-65.59	-25.00	40.59	Horizontal
81.1701	-75.22	-25.00	50.22	Horizontal
229.4905	-69.18	-25.00	44.18	Horizontal
5002.2801	-63.10	-25.00	38.10	Horizontal
7503.1801	-54.90	-25.00	29.90	Horizontal
16402.1361	-45.47	-25.00	20.47	Horizontal

7.1.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
47.9459	-73.73	-25.00	48.73	Vertical
110.8535	-65.46	-25.00	40.46	Vertical
708.3064	-64.42	-25.00	39.42	Vertical
5052.0821	-63.00	-25.00	38.00	Vertical
7578.1831	-56.61	-25.00	31.61	Vertical
17995.7998	-42.28	-25.00	17.28	Vertical
43.7262	-64.76	-25.00	39.76	Horizontal
241.6161	-68.82	-25.00	43.82	Horizontal
615.4243	-64.49	-25.00	39.49	Horizontal
3904.8362	-63.99	-25.00	38.99	Horizontal
7578.1831	-56.18	-25.00	31.18	Horizontal
16381.1352	-45.59	-25.00	20.59	Horizontal

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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
50.5165	-72.93	-25.00	47.93	Vertical
109.0105	-65.61	-25.00	40.61	Vertical
500.3280	-67.63	-25.00	42.63	Vertical
5102.4841	-63.60	-25.00	38.60	Vertical
7653.1861	-57.75	-25.00	32.75	Vertical
17997.5999	-42.25	-25.00	17.25	Vertical
43.0957	-64.75	-25.00	39.75	Horizontal
100.2315	-76.43	-25.00	51.43	Horizontal
246.5633	-68.89	-25.00	43.89	Horizontal
5118.6847	-63.18	-25.00	38.18	Horizontal
7653.1861	-59.21	-25.00	34.21	Horizontal
16404.5362	-45.76	-25.00	20.76	Horizontal

Remark:

1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.

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

3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.

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8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	0.50	0.000199	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	9.90	0.003944	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	-3.10	-0.001235	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-4.20	-0.001657	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	3.60	0.001420	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-2.30	-0.000907	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	-6.60	-0.002578	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	5.80	0.002266	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	5.60	0.002188	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VL	NT	5.90	0.002351	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VN	NT	4.60	0.001833	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VH	NT	11.10	0.004422	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VL	NT	-1.70	-0.000671	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VN	NT	-4.40	-0.001736	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VH	NT	-1.80	-0.000710	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VL	NT	-2.50	-0.000977	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VN	NT	-0.20	-0.000078	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VH	NT	1.10	0.000430	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	6.60	0.002629	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	1.90	0.000757	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	0.50	0.000199	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	0.90	0.000355	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-0.20	-0.000079	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	1.70	0.000671	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	1.80	0.000703	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	-2.20	-0.000859	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	2.60	0.001016	±2.5	PASS

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8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	2.80	0.001116	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	0.40	0.000159	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	13.30	0.005299	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	1.60	0.000637	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	1.20	0.000478	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	3.40	0.001355	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	-2.70	-0.001076	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	9.10	0.003625	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	7.70	0.003068	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	9.10	0.003590	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	2.00	0.000789	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-2.30	-0.000907	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	5.20	0.002051	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-2.90	-0.001144	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	3.30	0.001302	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	2.50	0.000986	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-5.20	-0.002051	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-7.40	-0.002919	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	4.90	0.001914	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	0.80	0.000313	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	0.20	0.000078	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-1.30	-0.000508	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	7.00	0.002734	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	0.20	0.000078	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	1.80	0.000703	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	-3.30	-0.001289	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-1.90	-0.000742	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-30	0.30	0.000120	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-20	8.00	0.003187	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-10	3.40	0.001355	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	0	7.00	0.002789	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	10	6.50	0.002590	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	20	-4.00	-0.001594	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	30	6.70	0.002669	±2.5	PASS

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Band7	20MHz	64QAM	20850	100RB#0	NV	40	-4.90	-0.001952	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	50	-4.10	-0.001633	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-30	-7.90	-0.003116	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-20	-0.10	-0.000039	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-10	-1.80	-0.000710	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	0	5.50	0.002170	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	10	0.70	0.000276	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	20	3.90	0.001538	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	30	-4.70	-0.001854	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	40	1.80	0.000710	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	50	-5.40	-0.002130	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-30	2.30	0.000898	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-20	-1.00	-0.000391	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-10	6.90	0.002695	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	0	-1.40	-0.000547	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	10	-3.20	-0.001250	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	20	-2.30	-0.000898	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	40	-2.30	-0.000898	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	50	-0.10	-0.000039	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	3.20	0.001275	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	5.90	0.002351	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-10	2.80	0.001116	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	6.10	0.002430	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	7.00	0.002789	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	6.20	0.002470	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	30	2.90	0.001155	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	5.70	0.002271	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	1.30	0.000518	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	-2.80	-0.001105	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	3.10	0.001223	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-10	0.10	0.000039	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-4.80	-0.001893	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-4.20	-0.001657	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-0.10	-0.000039	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	-8.10	-0.003195	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	5.00	0.001972	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	2.50	0.000986	±2.5	PASS

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Band7	20MHz	16QAM	21350	100RB#0	NV	-30	3.60	0.001406	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	-1.90	-0.000742	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-10	0.80	0.000313	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	-0.70	-0.000273	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	2.70	0.001055	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	-7.00	-0.002734	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	4.30	0.001680	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	-4.10	-0.001602	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	-2.10	-0.000820	±2.5	PASS

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