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	22.52	21.56	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.80	21.84	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.97	22.01	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#6	21.77	20.81	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.88	20.92	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.52	20.56	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.89	20.93	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.75	21.79	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.88	21.92	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.81	21.85	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.58	20.62	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.65	20.69	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.85	20.89	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.86	20.9	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.84	21.88	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.53	21.57	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.72	21.76	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.57	20.61	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#6	21.54	20.58	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.64	20.68	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.50	20.54	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	21.34	20.38	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	21.61	20.65	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	21.61	20.65	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#0	20.16	19.2	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#6	20.27	19.31	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#13	20.16	19.2	33.00	PASS

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Band7	5MHz	64QAM	20775	25RB#0	20.19	19.23	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	21.23	20.27	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	21.52	20.56	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	21.56	20.6	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#13	20.13	19.17	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#6	20.06	19.1	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#0	20.07	19.11	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	20.08	19.12	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	21.44	20.48	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	21.21	20.25	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	21.32	20.36	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#0	19.94	18.98	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#6	19.93	18.97	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#13	19.89	18.93	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	19.91	18.95	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.17	21.21	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.28	21.32	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.31	21.35	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.77	19.81	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.00	20.04	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.72	19.76	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.85	19.89	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.92	20.96	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.25	21.29	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.14	21.18	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.82	19.86	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.64	19.68	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.74	19.78	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.76	19.8	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.01	21.05	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.89	20.93	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.02	21.06	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.60	19.64	33.00	PASS

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Band7	5MHz	16QAM	21425	12RB#6	20.59	19.63	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#13	20.60	19.64	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.66	19.7	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.64	21.68	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.89	21.93	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.99	22.03	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.85	20.89	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.88	20.92	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.53	20.57	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.93	20.97	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.85	21.89	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.01	22.05	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.89	21.93	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.70	20.74	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.76	20.8	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.87	20.91	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.93	20.97	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.87	21.91	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.61	21.65	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.83	21.87	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.66	20.7	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.57	20.61	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.65	20.69	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.59	20.63	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	21.28	20.32	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	21.39	20.43	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	21.42	20.46	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#0	19.88	18.92	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#12	20.11	19.15	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#25	19.83	18.87	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	19.96	19	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	21.03	20.07	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	21.36	20.4	33.00	PASS

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Band7	10MHz	64QAM	21100	25RB#0	19.93	18.97	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#12	19.75	18.79	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#25	19.85	18.89	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	19.87	18.91	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	21.12	20.16	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	21.00	20.04	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	21.13	20.17	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#25	19.71	18.75	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#0	19.70	18.74	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#12	19.71	18.75	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	19.77	18.81	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.22	21.26	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.36	21.4	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.38	21.42	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.87	19.91	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.07	20.11	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.86	19.9	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.99	20.03	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.94	20.98	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.35	21.39	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.23	21.27	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.90	19.94	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.73	19.77	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.77	19.81	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.79	19.83	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.12	21.16	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.97	21.01	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.03	21.07	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.71	19.75	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.61	19.65	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.70	19.74	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.74	19.78	33.00	PASS

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Band7	15MHz	QPSK	20825	1RB#74	22.77	21.81	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.95	21.99	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.04	22.08	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#39	21.95	20.99	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#18	22.01	21.05	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#0	21.66	20.7	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.95	20.99	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.90	21.94	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.01	22.05	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.98	22.02	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#0	21.81	20.85	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#18	21.81	20.85	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#39	21.87	20.91	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.98	21.02	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.00	22.04	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.63	21.67	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.94	21.98	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#0	21.76	20.8	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#18	21.59	20.63	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#39	21.79	20.83	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.66	20.7	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	21.33	20.37	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	21.47	20.51	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	21.49	20.53	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#0	19.98	19.02	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#18	20.18	19.22	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#39	19.97	19.01	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	20.10	19.14	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	21.05	20.09	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	21.46	20.5	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	21.34	20.38	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#39	20.01	19.05	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#0	19.84	18.88	33.00	PASS

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Band7	15MHz	64QAM	21100	36RB#18	19.88	18.92	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	19.90	18.94	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	21.23	20.27	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#38	21.08	20.12	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	21.14	20.18	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#18	19.82	18.86	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#0	19.72	18.76	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#39	19.81	18.85	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	19.85	18.89	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.23	21.27	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.43	21.47	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.50	21.54	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#0	20.94	19.98	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#39	21.12	20.16	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#18	20.94	19.98	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.99	20.03	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.06	21.1	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.35	21.39	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.35	21.39	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#0	20.97	20.01	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#18	20.83	19.87	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#39	20.88	19.92	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.85	19.89	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.20	21.24	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.98	21.02	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.10	21.14	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#0	20.72	19.76	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#18	20.71	19.75	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#39	20.77	19.81	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.77	19.81	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.79	21.83	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.02	22.06	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.17	22.21	33.00	PASS

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Band7	20MHz	QPSK	20850	50RB#25	22.04	21.08	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.08	21.12	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.78	20.82	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.04	21.08	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.04	22.08	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.02	22.06	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.98	22.02	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.93	20.97	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.92	20.96	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.93	20.97	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.98	21.02	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.02	22.06	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.69	21.73	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.00	22.04	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.88	20.92	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.61	20.65	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#50	21.84	20.88	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.76	20.8	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	21.34	20.38	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	21.54	20.58	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	21.61	20.65	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#50	20.05	19.09	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#0	20.23	19.27	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#25	20.05	19.09	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	20.10	19.14	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	21.17	20.21	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	21.46	20.5	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	21.46	20.5	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#0	20.08	19.12	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#25	19.94	18.98	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#50	19.99	19.03	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	19.96	19	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	21.31	20.35	33.00	PASS

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Band7	20MHz	64QAM	21350	1RB#0	21.09	20.13	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#49	21.21	20.25	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#0	19.83	18.87	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#50	19.82	18.86	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#25	19.88	18.92	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	19.88	18.92	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.23	21.27	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.50	21.54	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.50	21.54	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.05	20.09	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.16	20.2	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.05	20.09	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.08	20.12	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.12	21.16	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.41	21.45	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.45	21.49	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.02	20.06	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#25	20.95	19.99	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.96	20	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.97	20.01	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.33	21.37	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.10	21.14	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.21	21.25	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.83	19.87	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.82	19.86	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#0	20.78	19.82	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.80	19.84	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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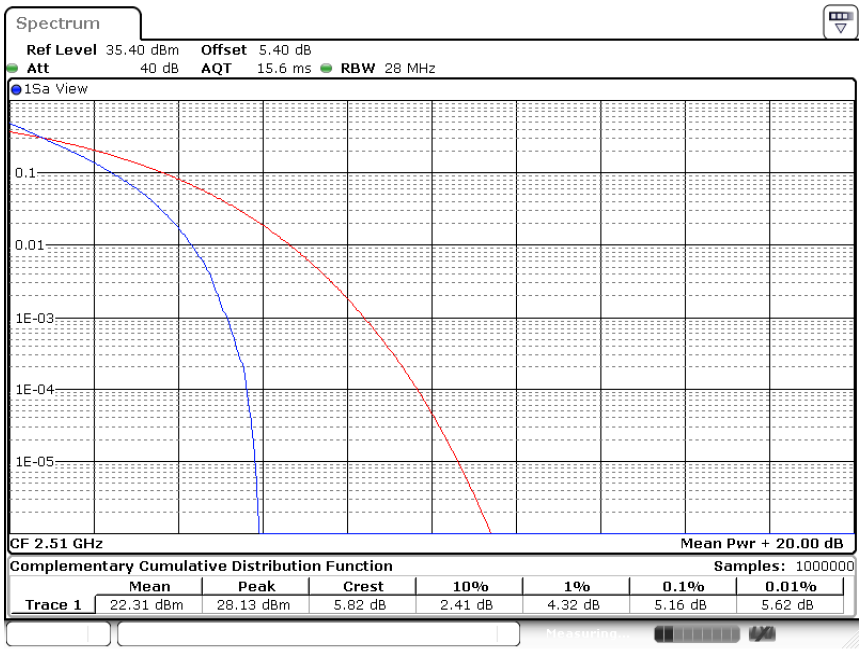
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.16	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.36	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.39	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.29	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.55	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.78	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.91	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.26	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.26	13	PASS

2.2. Test Plots

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



Date: 14.AUG.2020 23:40:10

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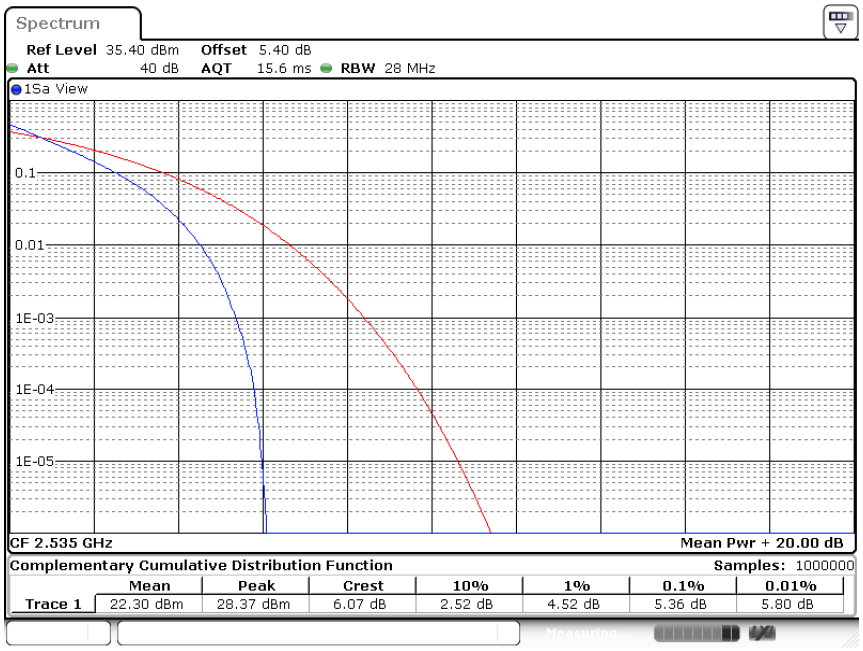
Band7-20MHz-QPSK-21100-100RB#0



Date: 14.AUG.2020 23:40:33

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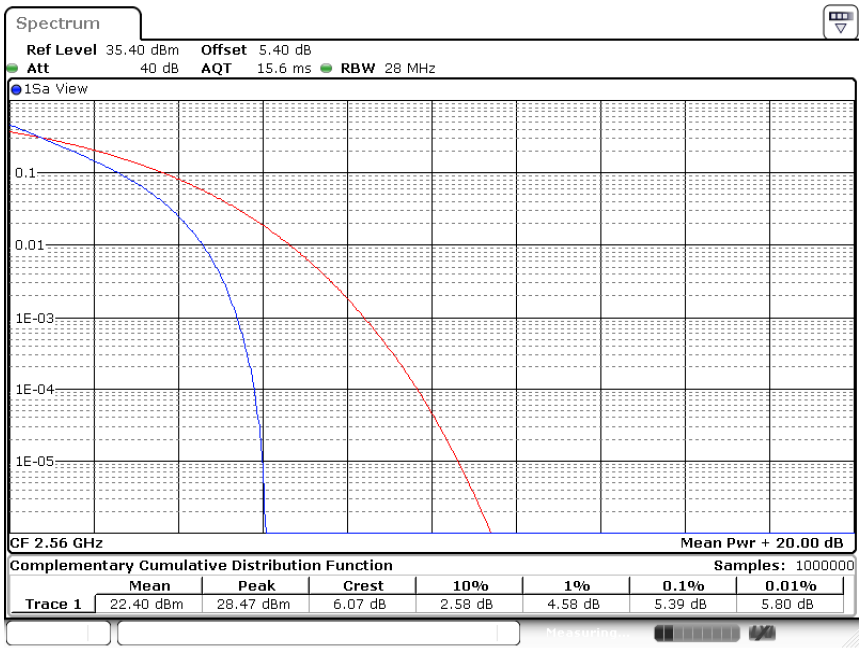

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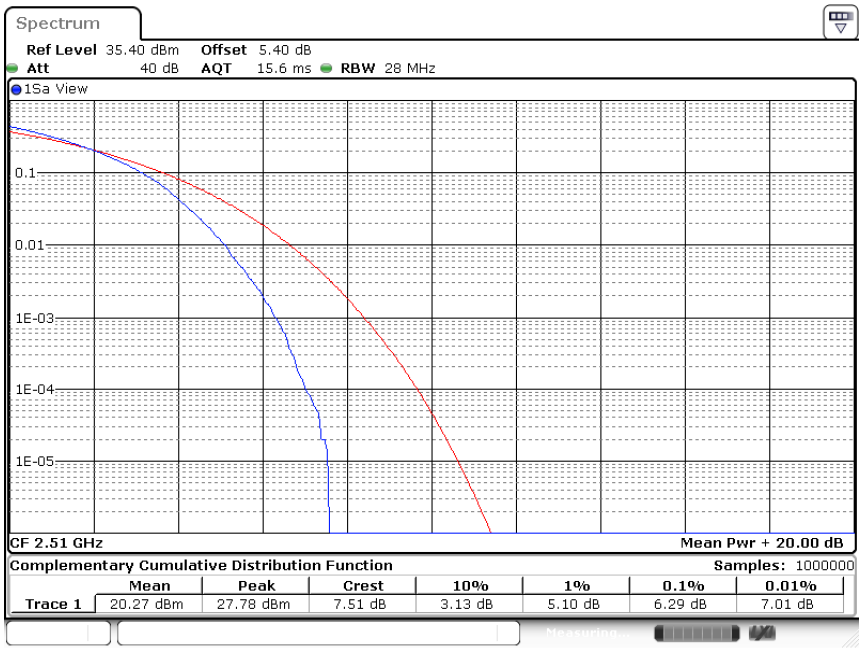
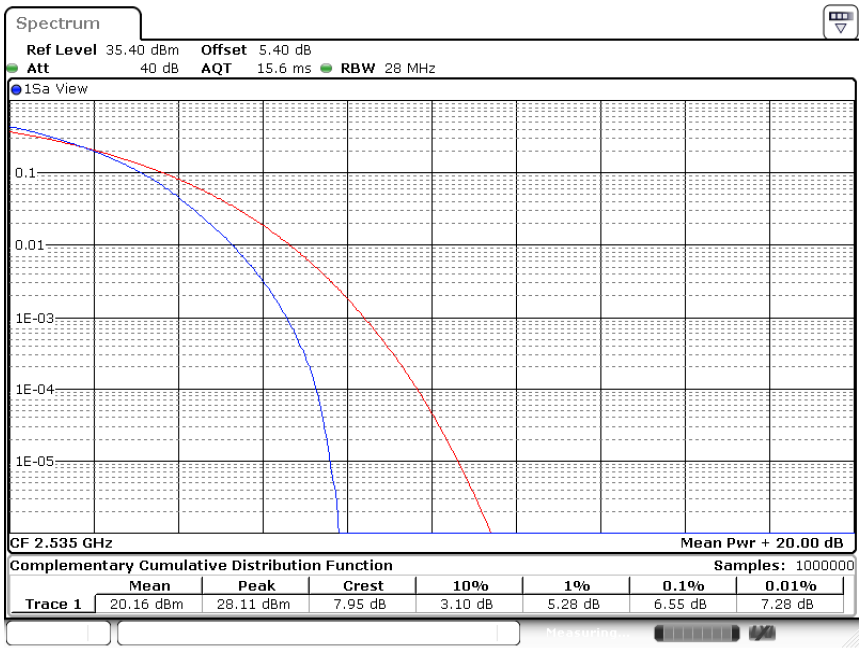
Band7-20MHz-64QAM-20850-100RB#0



Date: 15.AUG.2020 02:30:56

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



Date: 15.AUG.2020 02:31:08

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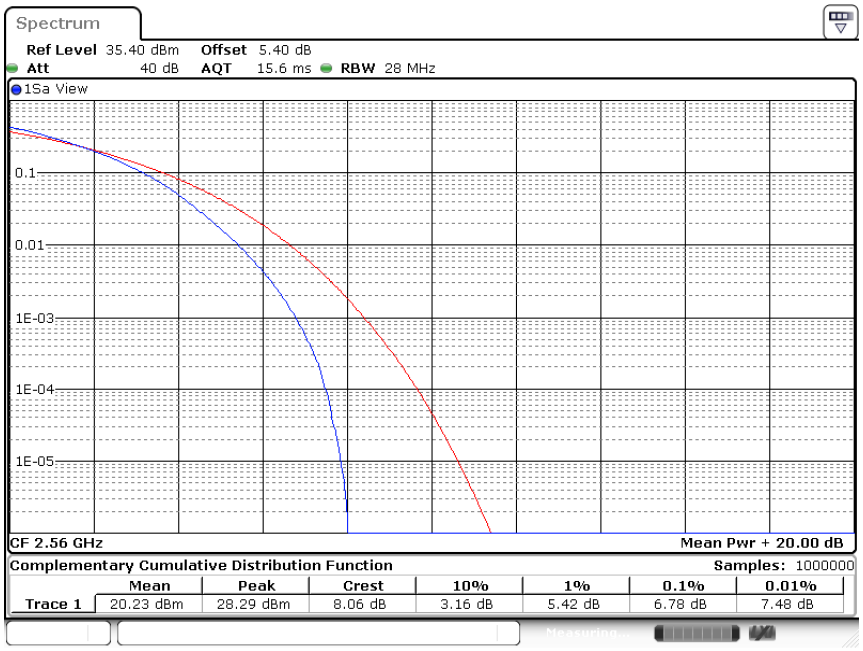
Band7-20MHz-64QAM-21350-100RB#0



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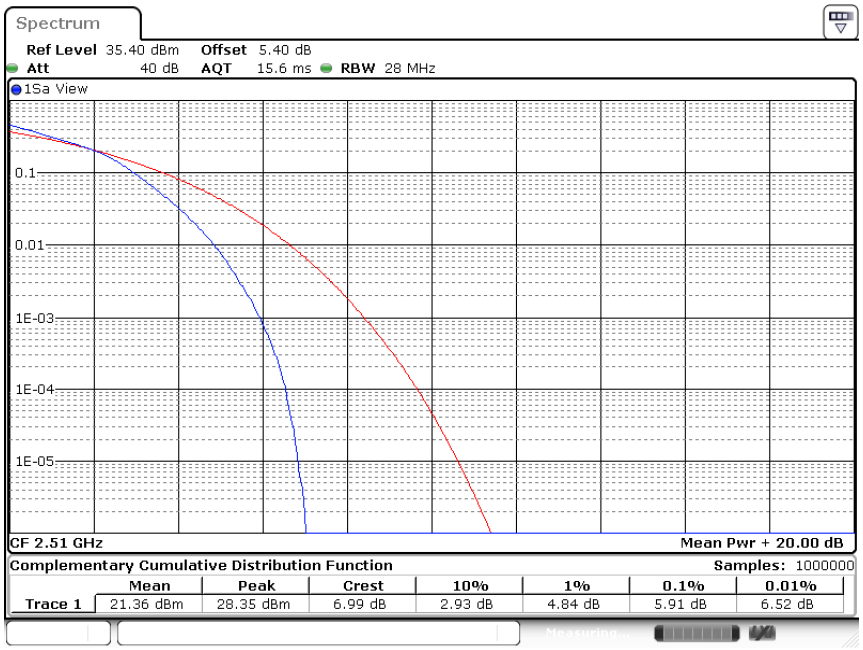

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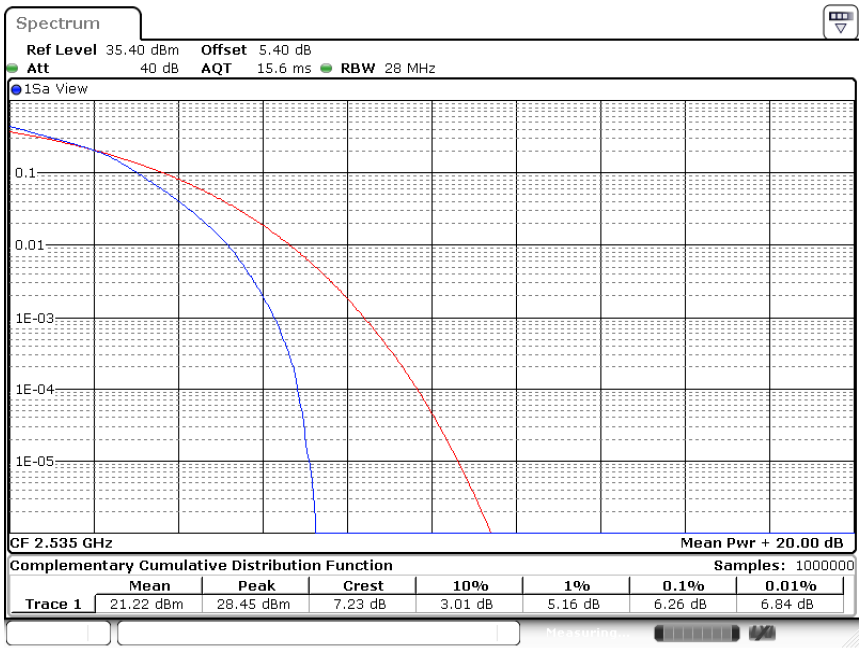
Band7-20MHz-16QAM-21100-100RB#0



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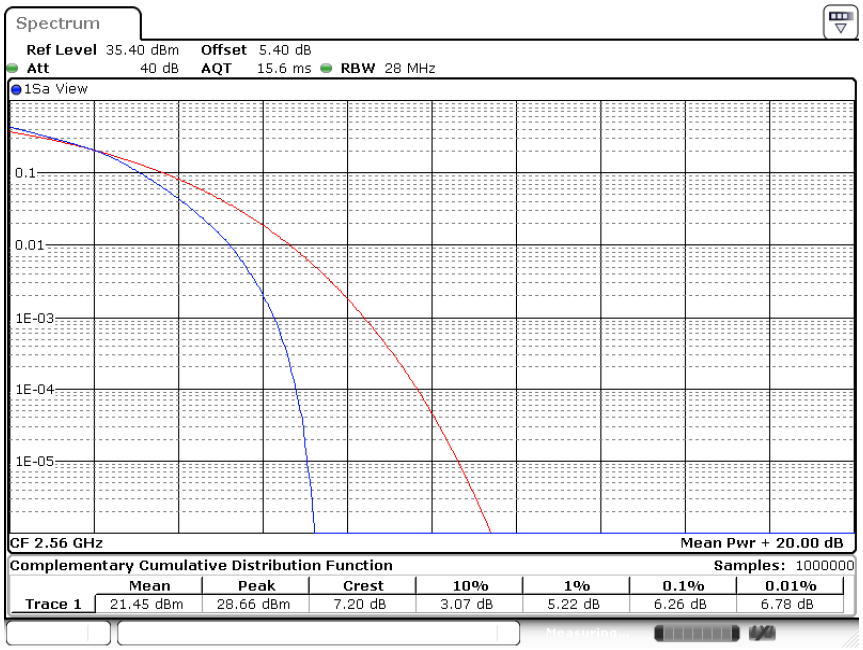
Band7-20MHz-16QAM-21350-100RB#0



Date: 14.AUG.2020 23:41:08

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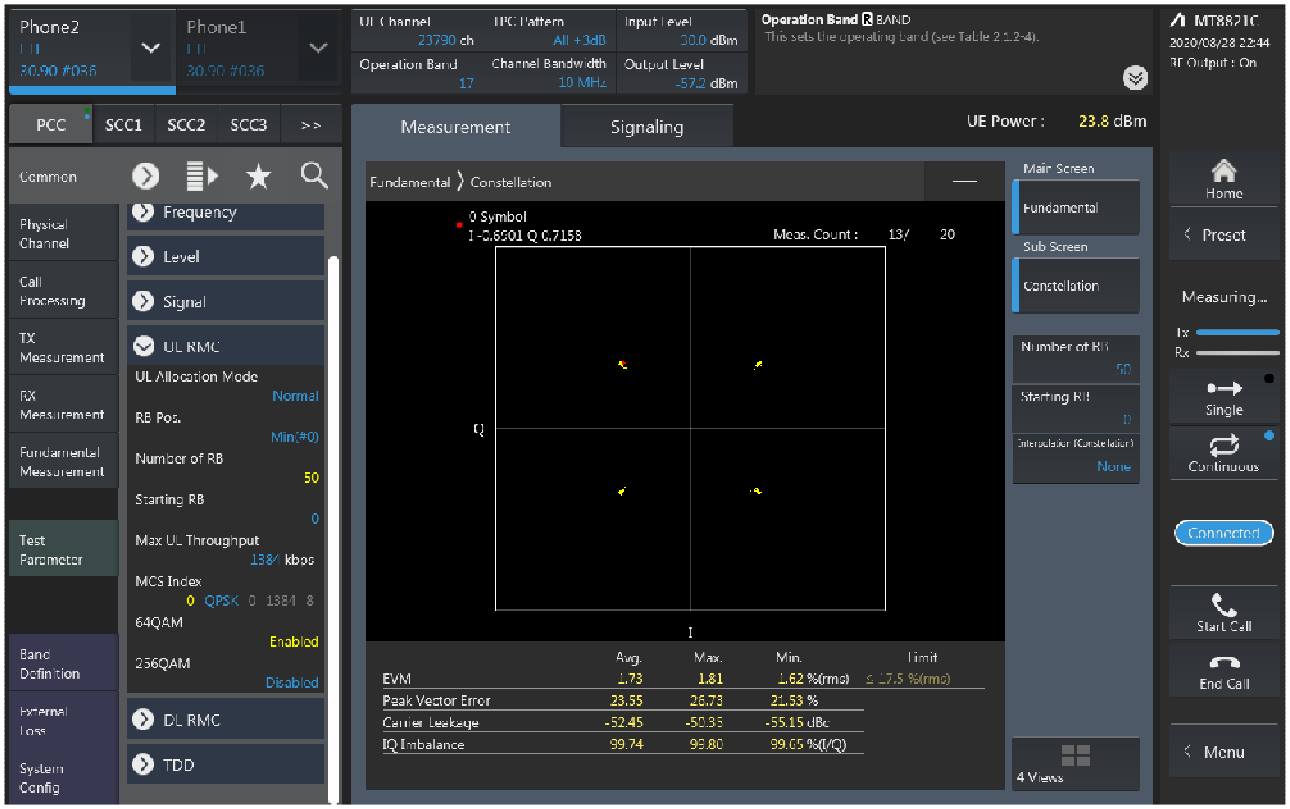
3. Modulation Characteristics

3.1. Test Band = LTE Band 7

3.1.1. Test Mode = LTE /TM1 20MHz

3.1.1.1. Test Channel = MCH



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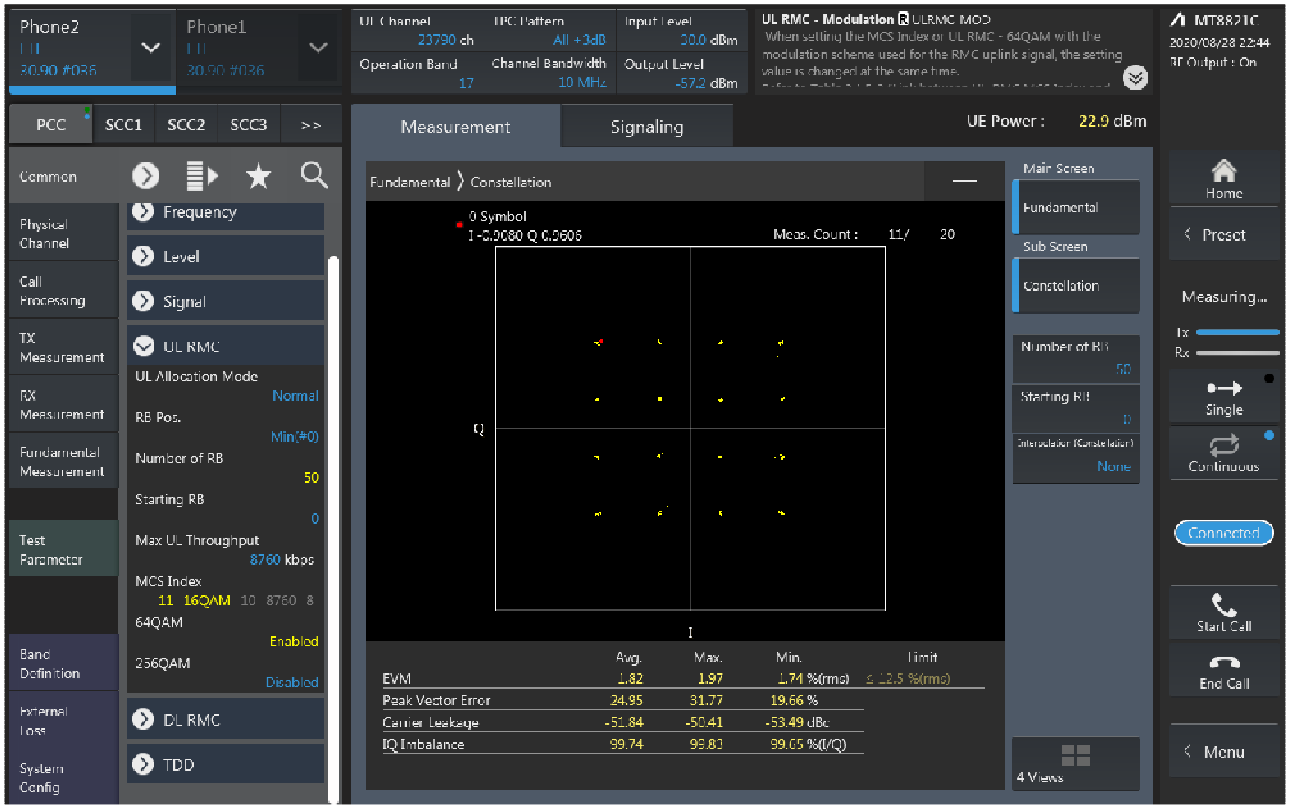
3.1.2.Test Mode = LTE /TM2 20MHz

3.1.2.1. Test Channel = MCH



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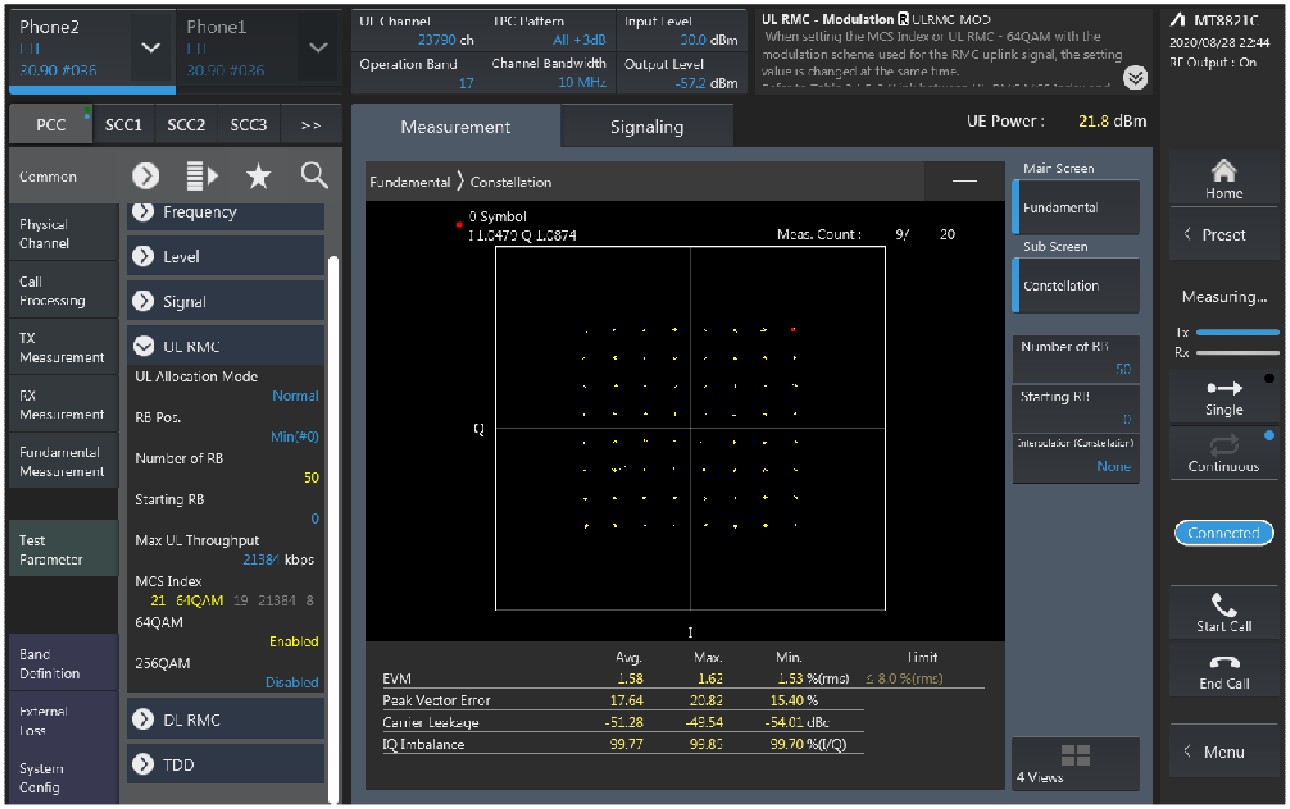
3.1.3.Test Mode = LTE /TM3 20MHz

3.1.3.1. 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	4.920	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.900	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.476	4.960	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.476	4.920	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.476	4.920	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.476	4.920	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.486	4.970	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.496	4.930	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.496	4.950	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.931	9.700	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.951	9.740	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.911	9.720	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.931	9.700	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.931	9.740	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.931	9.780	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.931	9.780	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.951	9.780	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.931	9.760	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.457	14.820	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.427	14.700	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.457	14.730	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.427	14.880	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.427	14.880	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.457	14.820	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.427	14.820	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.457	14.820	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.457	14.700	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.902	19.600	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.902	19.520	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.902	19.480	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.902	19.400	PASS

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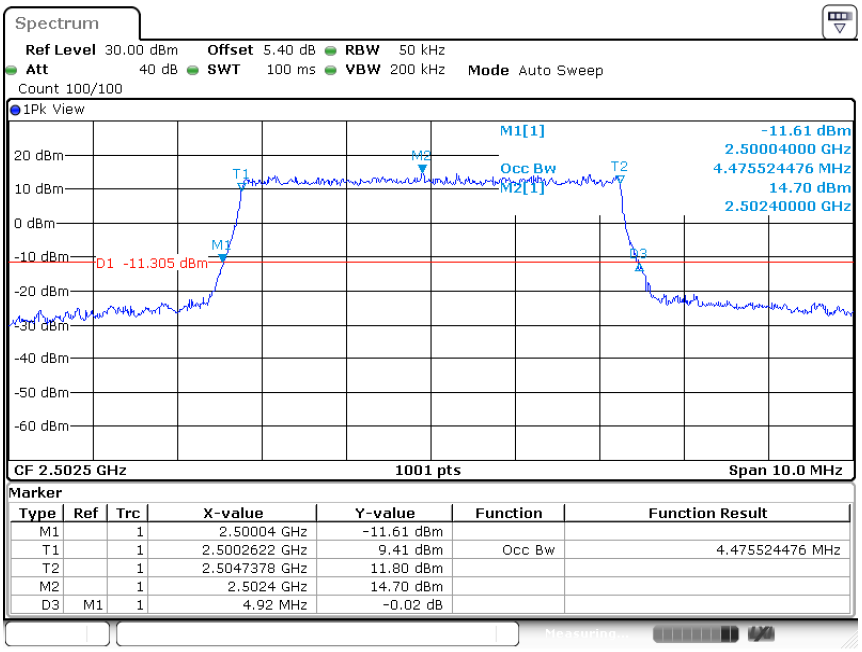
Band7	20MHz	64QAM	21100	100RB#0	17.902	19.480	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.902	19.360	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.902	19.360	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.902	19.520	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.902	19.480	PASS

4.2. Test Plots

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



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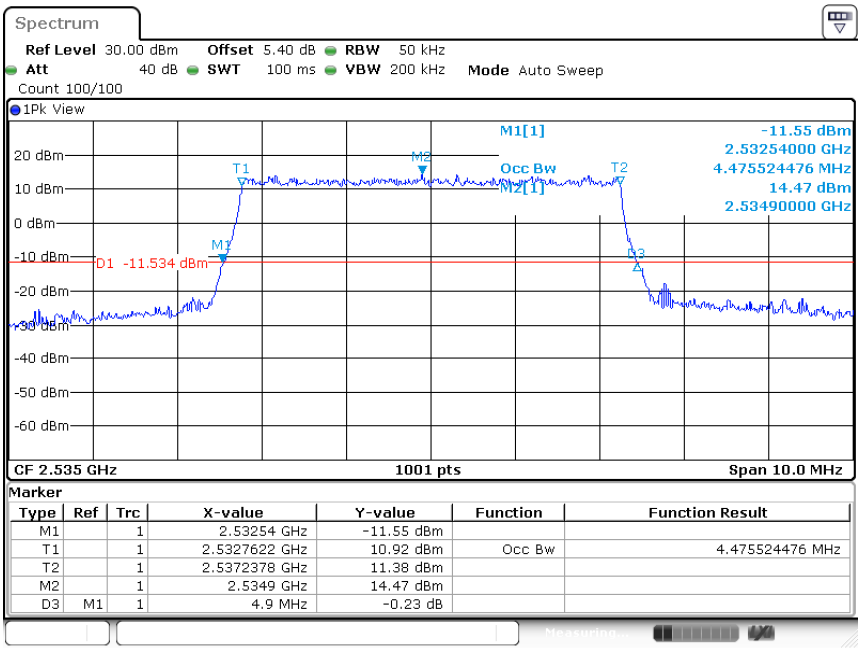
Band7-5MHz-QPSK-21100-25RB#0-4.476



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53254 GHz	-11.55 dBm		
T1		1	2.5327622 GHz	10.92 dBm	Occ Bw	4.475524476 MHz
T2		1	2.5372378 GHz	11.38 dBm		
M2		1	2.5349 GHz	14.47 dBm		
D3	M1	1	4.9 MHz	-0.23 dB		

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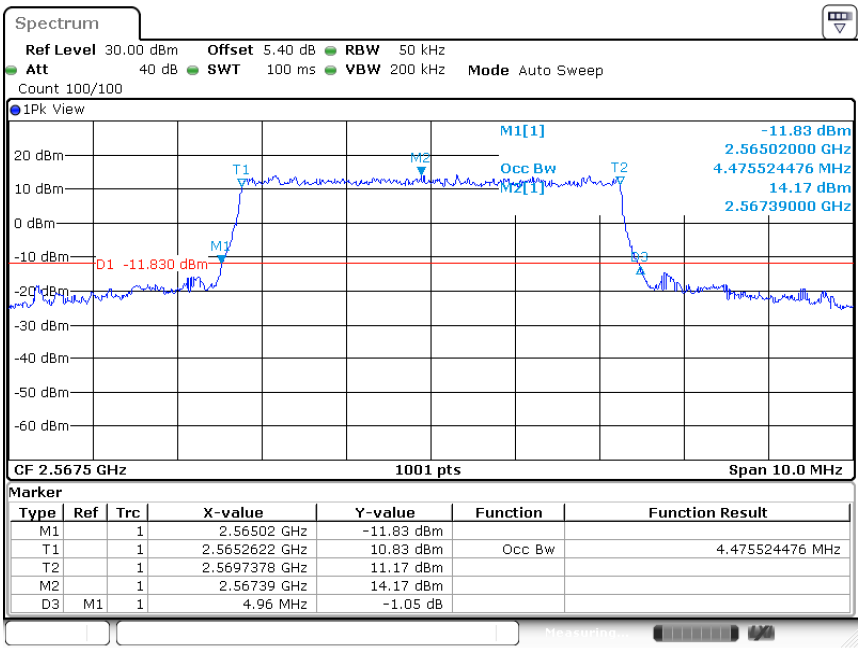
Band7-5MHz-QPSK-21425-25RB#0-4.476



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.56502 GHz	-11.83 dBm		
T1		1	2.5652622 GHz	10.83 dBm	Occ Bw	4.475524476 MHz
T2		1	2.5697378 GHz	11.17 dBm		
M2		1	2.56739 GHz	14.17 dBm		
D3	M1	1	4.96 MHz	-1.05 dB		

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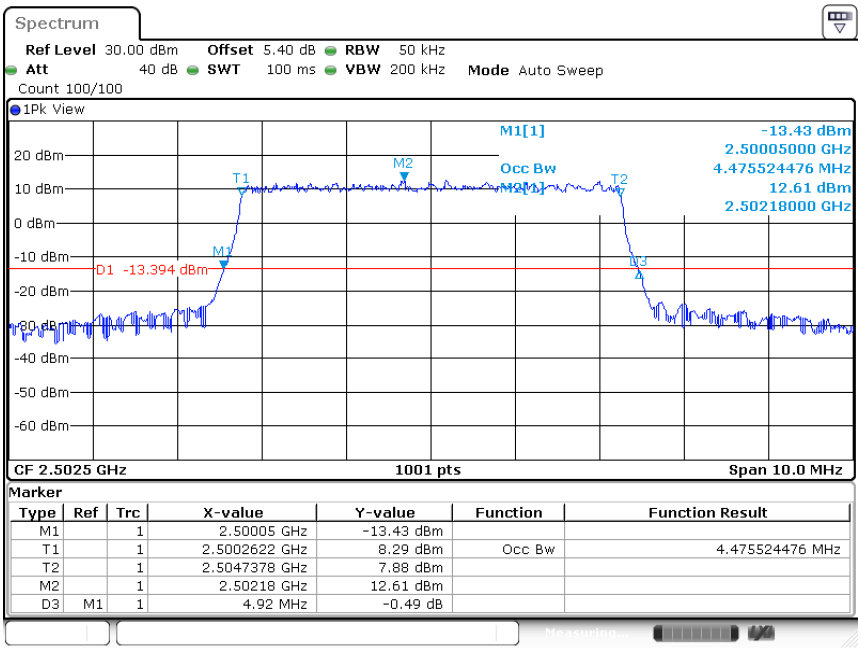

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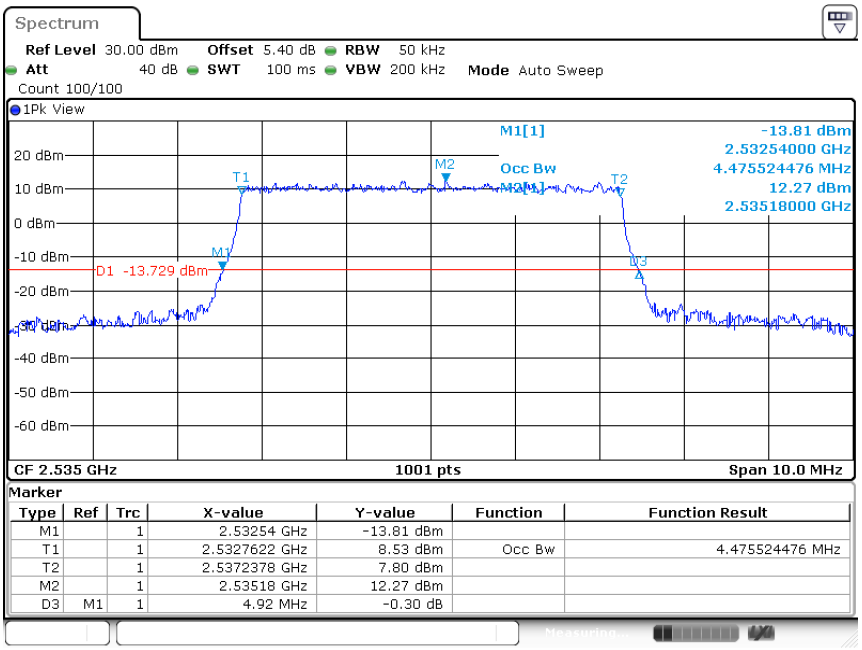
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50005 GHz	-13.43 dBm		
T1		1	2.5002622 GHz	8.29 dBm	Occ Bw	4.475524476 MHz
T2		1	2.5047378 GHz	7.88 dBm		
M2		1	2.50218 GHz	12.61 dBm		
D3	M1	1	4.92 MHz	-0.49 dB		

Date: 15.AUG.2020 02:18:53

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53254 GHz	-13.81 dBm		
T1		1	2.5327622 GHz	8.53 dBm	Occ Bw	4.475524476 MHz
T2		1	2.5372378 GHz	7.80 dBm		
M2		1	2.53518 GHz	12.27 dBm		
D3	M1	1	4.92 MHz	-0.30 dB		

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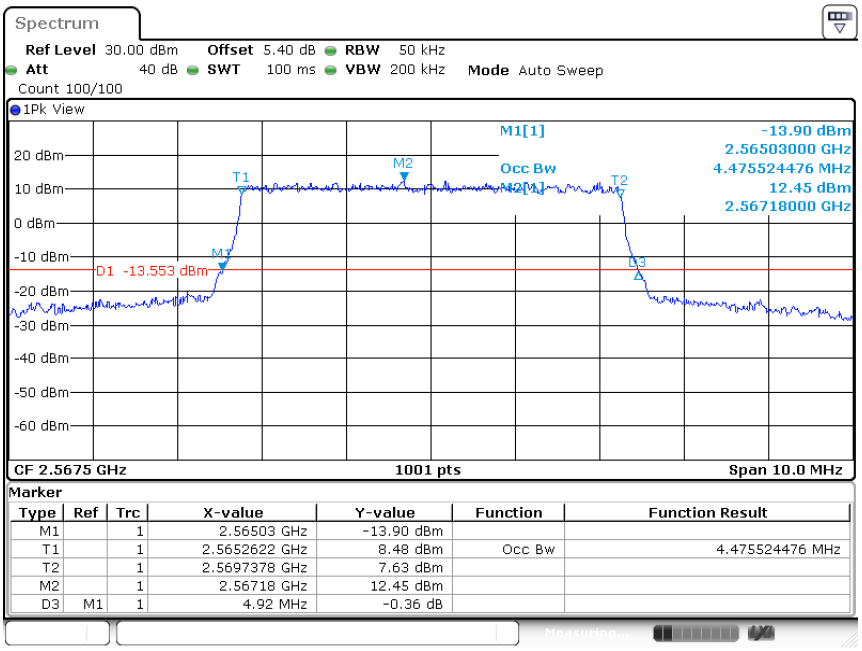
Band7-5MHz-64QAM-21425-25RB#0-4.476



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.56503 GHz	-13.90 dBm		
T1		1	2.5652622 GHz	8.48 dBm	Occ Bw	4.475524476 MHz
T2		1	2.5697378 GHz	7.63 dBm		
M2		1	2.56718 GHz	12.45 dBm		
D3	M1	1	4.92 MHz	-0.36 dB		

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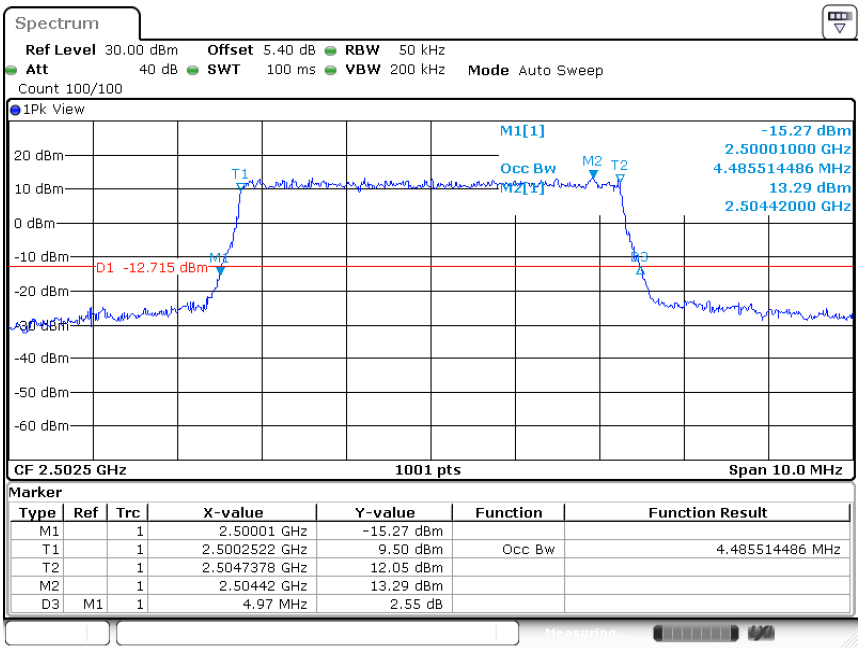
Band7-5MHz-16QAM-20775-25RB#0-4.486



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50001 GHz	-15.27 dBm		
T1		1	2.5002522 GHz	9.50 dBm	Occ Bw	4.485514486 MHz
T2		1	2.5047378 GHz	12.05 dBm		
M2		1	2.50442 GHz	13.29 dBm		
D3	M1	1	4.97 MHz	2.55 dB		

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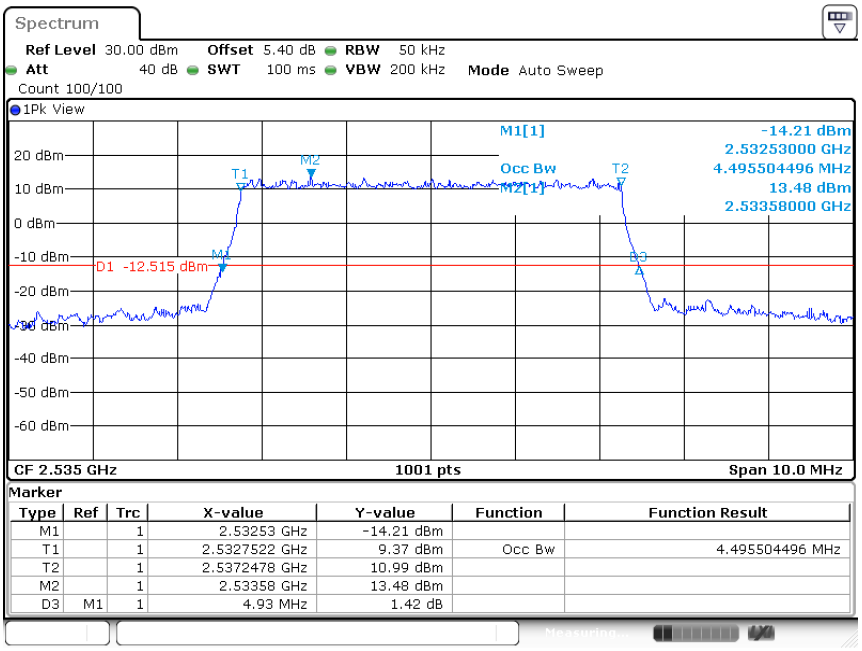
Band7-5MHz-16QAM-21100-25RB#0-4.496



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53253 GHz	-14.21 dBm		
T1		1	2.5327522 GHz	9.37 dBm	Occ Bw	4.495504496 MHz
T2		1	2.5372478 GHz	10.99 dBm		
M2		1	2.53358 GHz	13.48 dBm		
D3	M1	1	4.93 MHz	1.42 dB		

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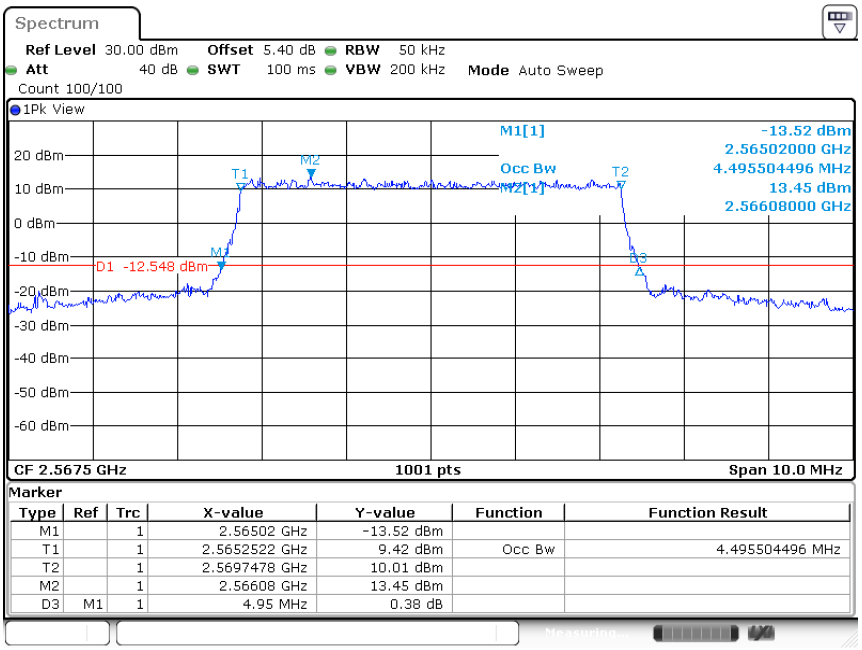
Band7-5MHz-16QAM-21425-25RB#0-4.496



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.56502 GHz	-13.52 dBm		
T1		1	2.5652522 GHz	9.42 dBm	Occ Bw	4.495504496 MHz
T2		1	2.5697478 GHz	10.01 dBm		
M2		1	2.56608 GHz	13.45 dBm		
D3	M1	1	4.95 MHz	0.38 dB		

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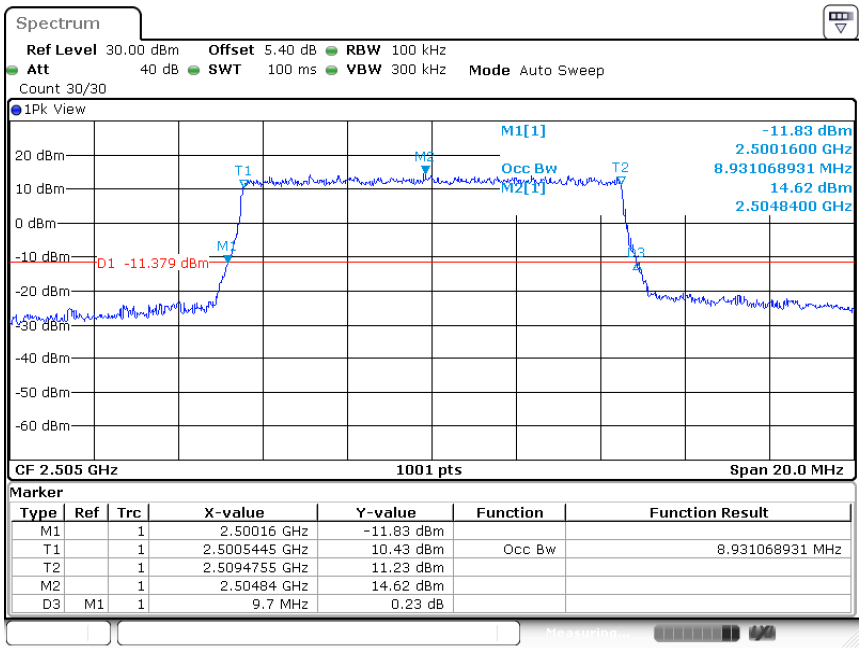
Band7-10MHz-QPSK-20800-50RB#0-8.931



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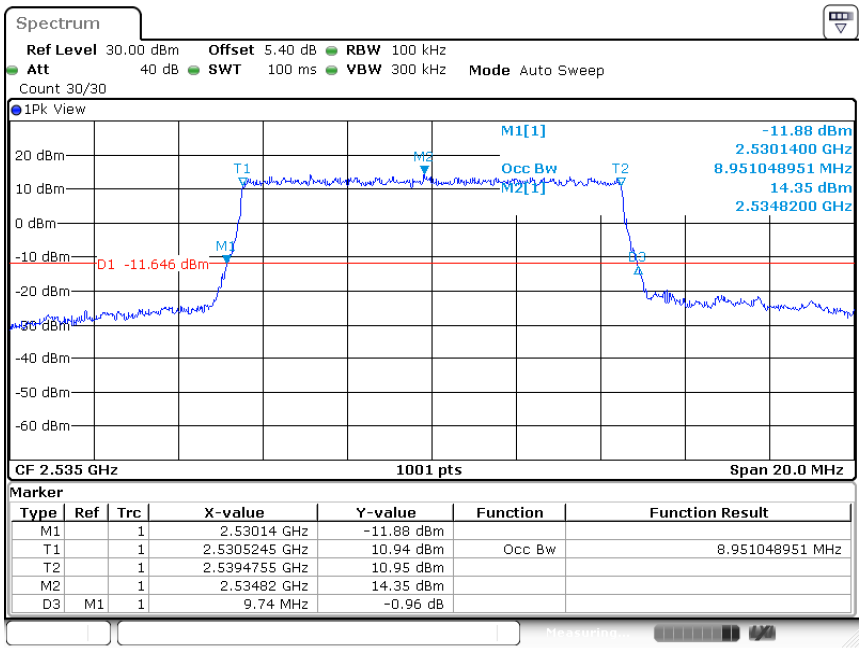
Band7-10MHz-QPSK-21100-50RB#0-8.951



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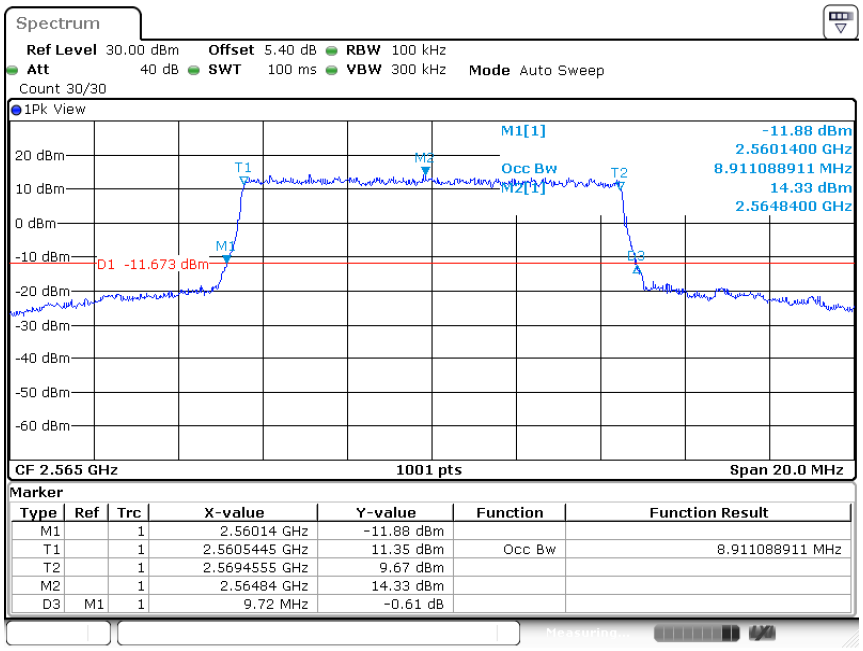
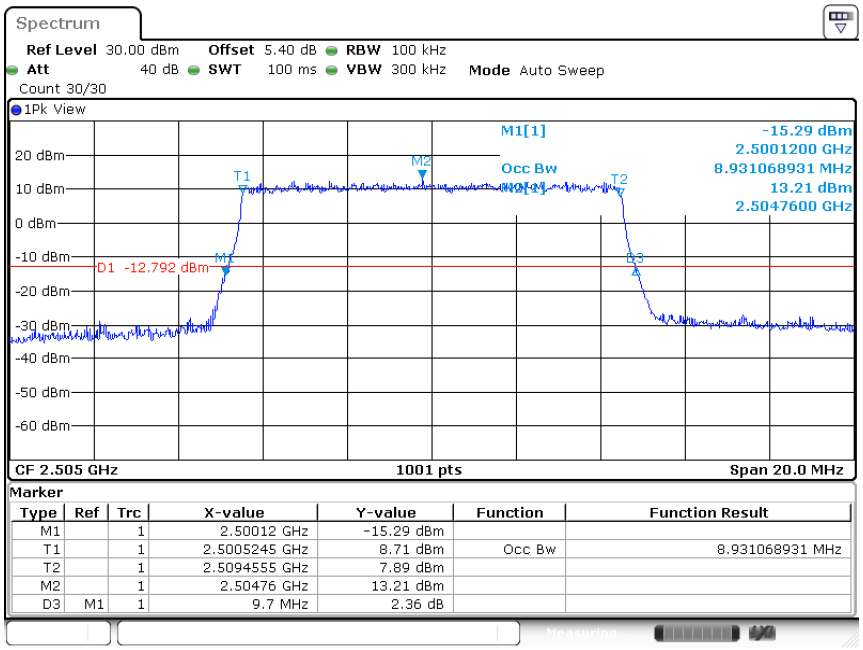


Date: 14.AUG.2020 23:20:52

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



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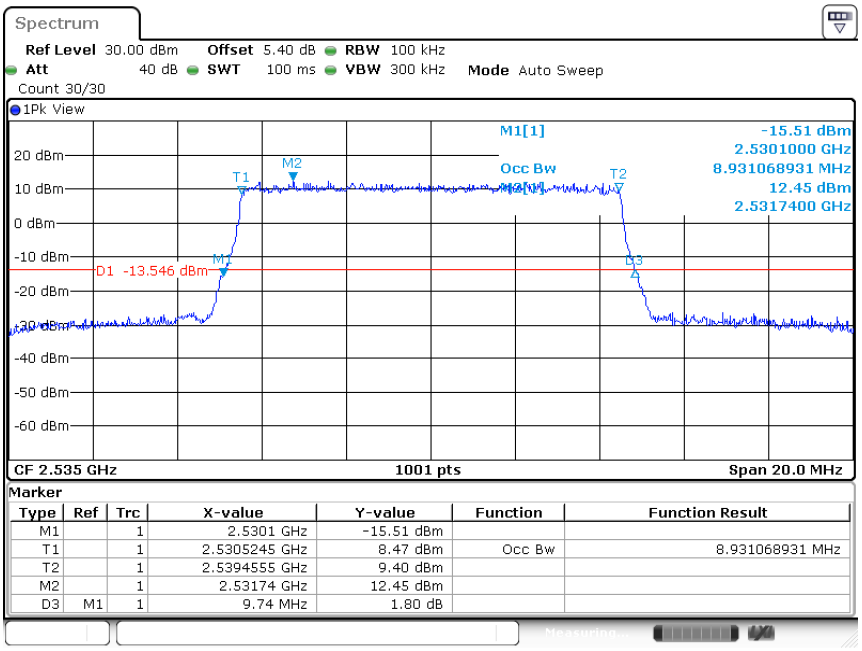

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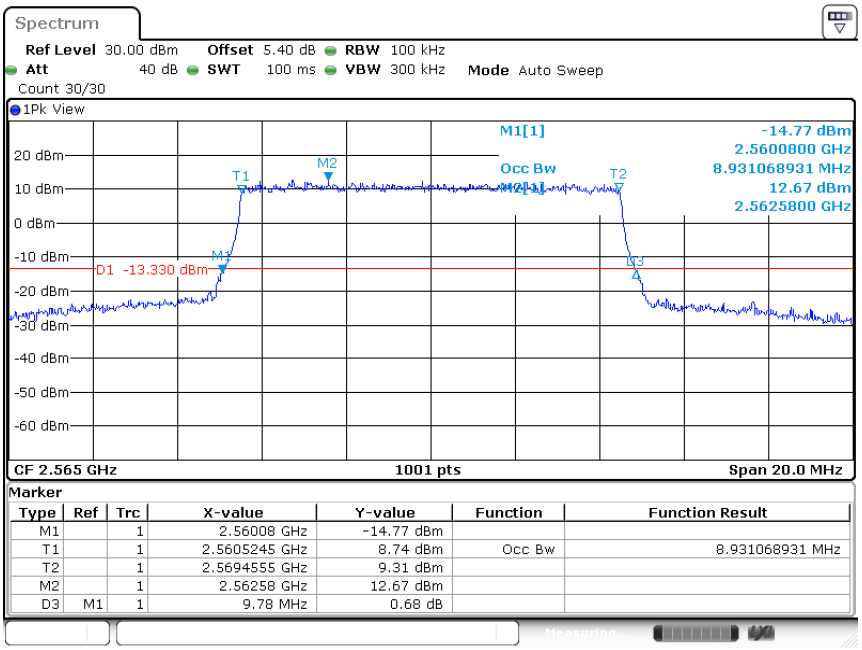
Band7-10MHz-64QAM-21400-50RB#0-8.931



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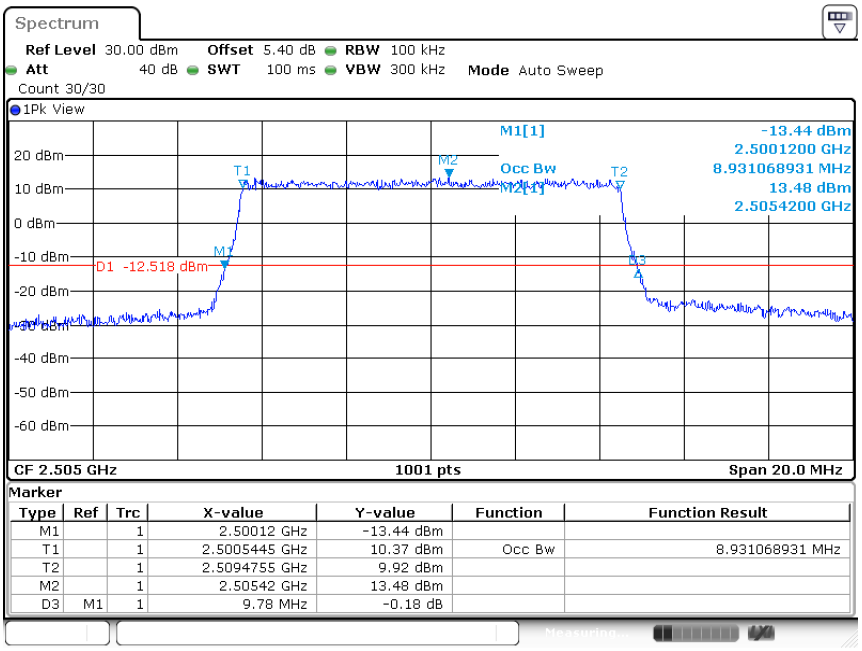
Band7-10MHz-16QAM-20800-50RB#0-8.931



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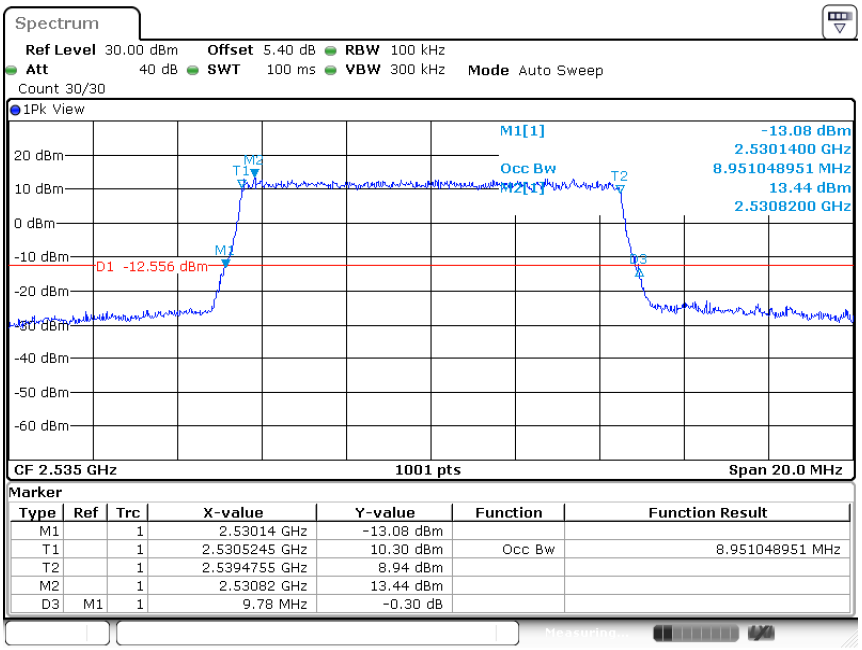
Band7-10MHz-16QAM-21100-50RB#0-8.951



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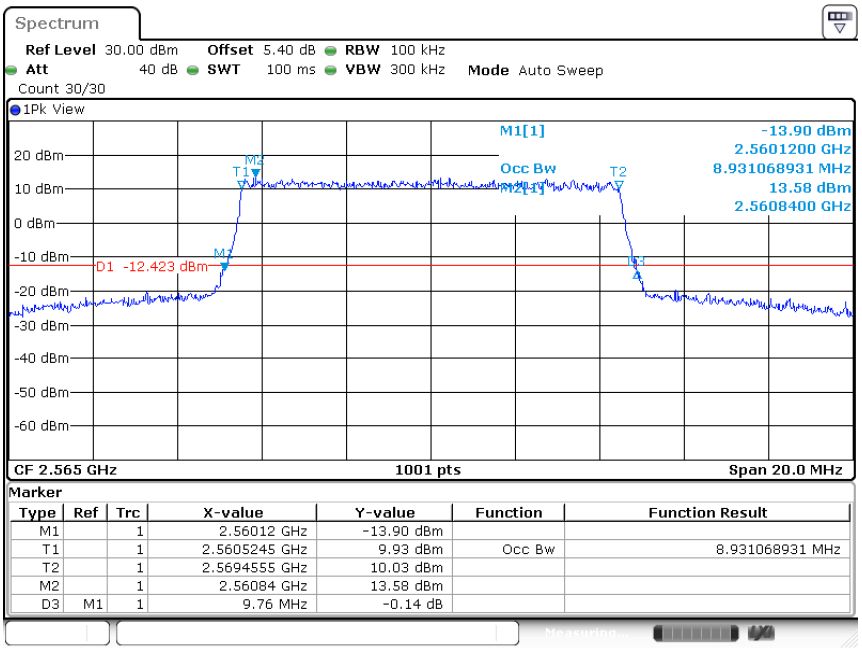
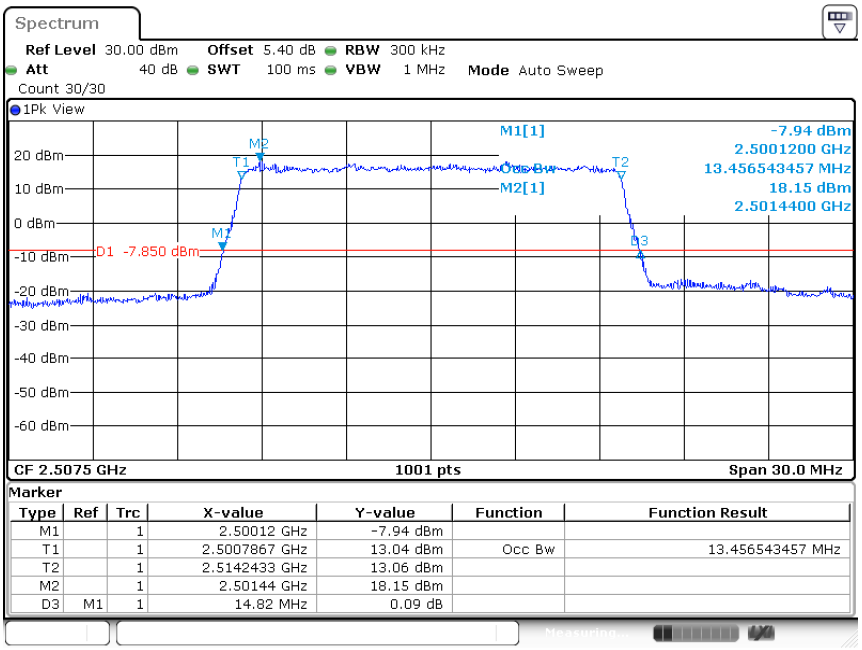


Date: 14.AUG.2020 23:21:05

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



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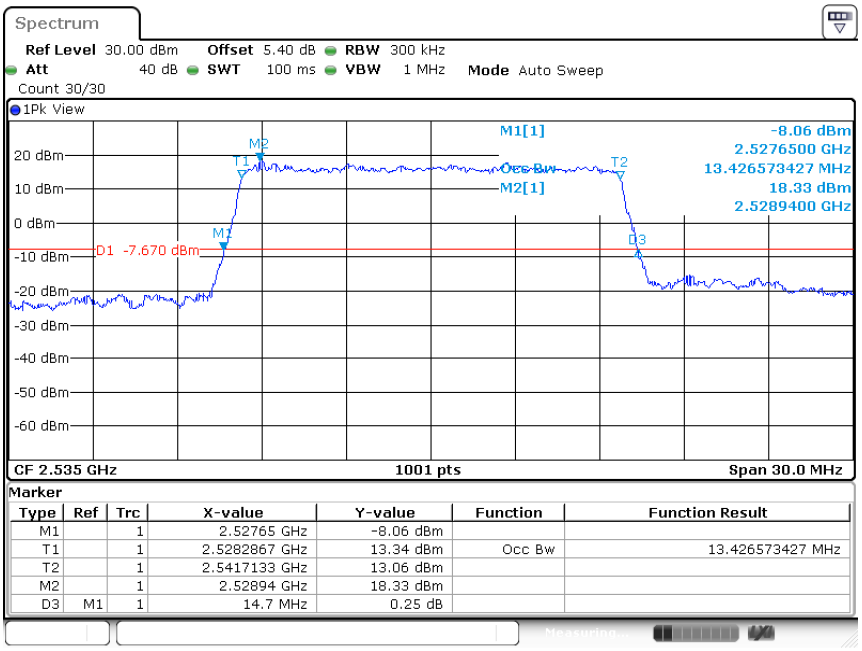
Band7-15MHz-QPSK-21100-75RB#0-13.427

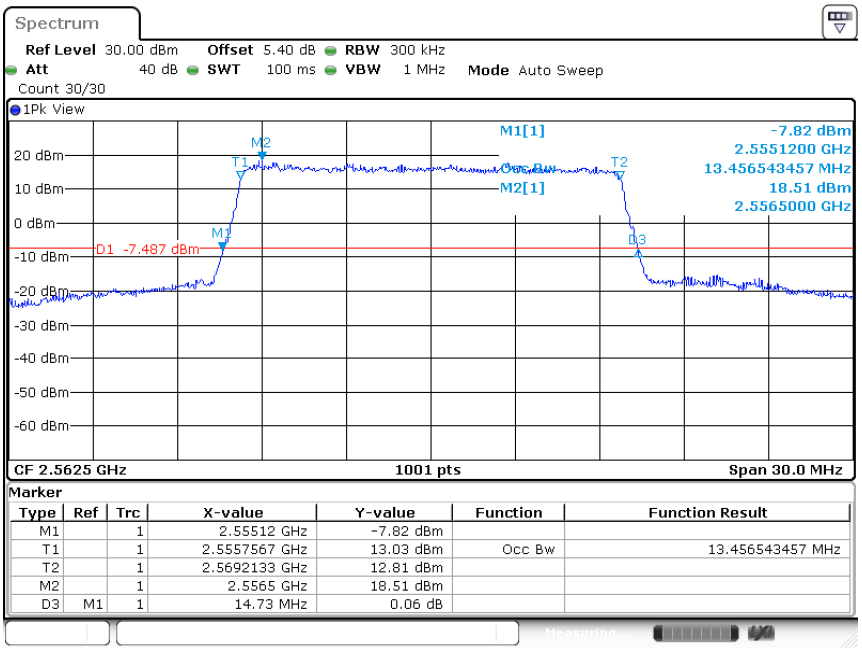


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.52765 GHz	-8.06 dBm		
T1		1	2.5282867 GHz	13.34 dBm	Occ Bw	13.426573427 MHz
T2		1	2.5417133 GHz	13.06 dBm		
M2		1	2.52894 GHz	18.33 dBm		
D3	M1	1	14.7 MHz	0.25 dB		

Date: 14.AUG.2020 23:21:50

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.55512 GHz	-7.82 dBm		
T1		1	2.5557567 GHz	13.03 dBm	Occ Bw	13.456543457 MHz
T2		1	2.5692133 GHz	12.81 dBm		
M2		1	2.5565 GHz	18.51 dBm		
D3	M1	1	14.73 MHz	0.06 dB		

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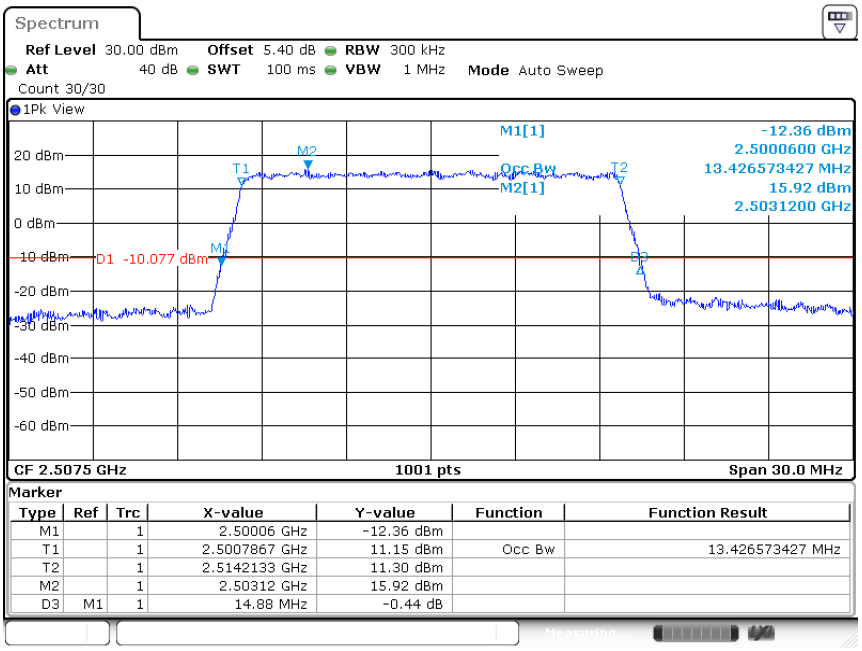
Band7-15MHz-64QAM-20825-75RB#0-13.427



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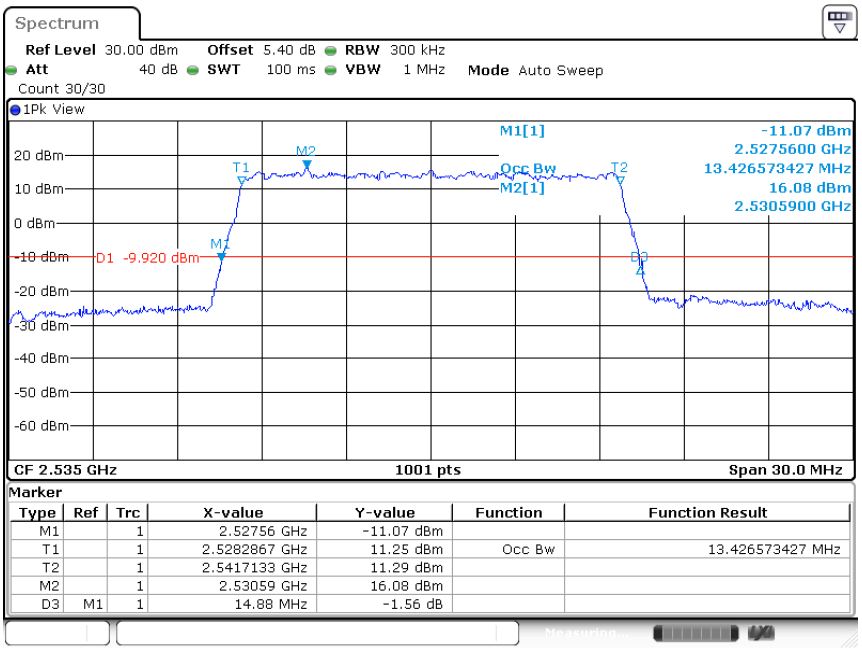
Band7-15MHz-64QAM-21100-75RB#0-13.427



Date: 15.AUG.2020 02:20:53

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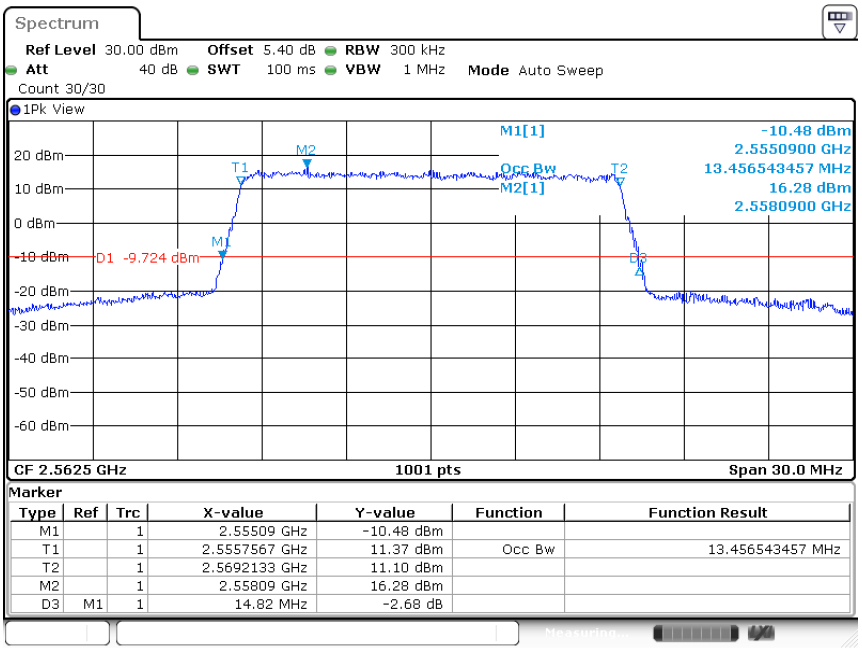
Band7-15MHz-64QAM-21375-75RB#0-13.457



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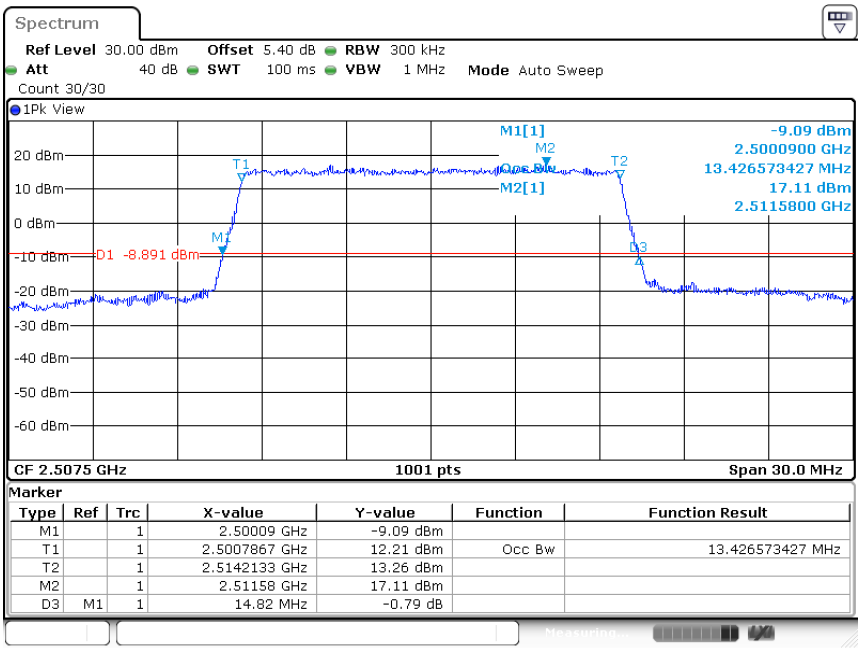

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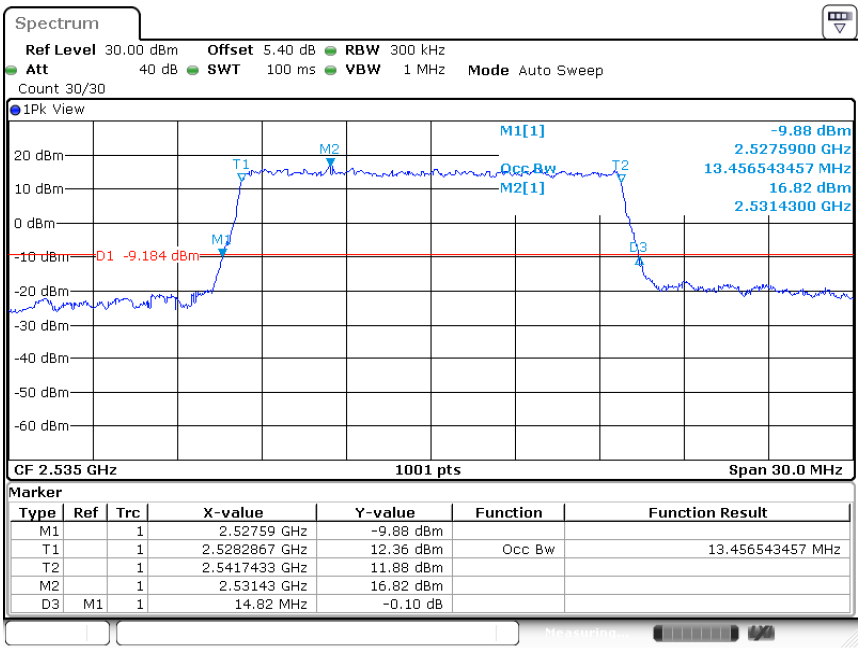
Band7-15MHz-16QAM-21100-75RB#0-13.457



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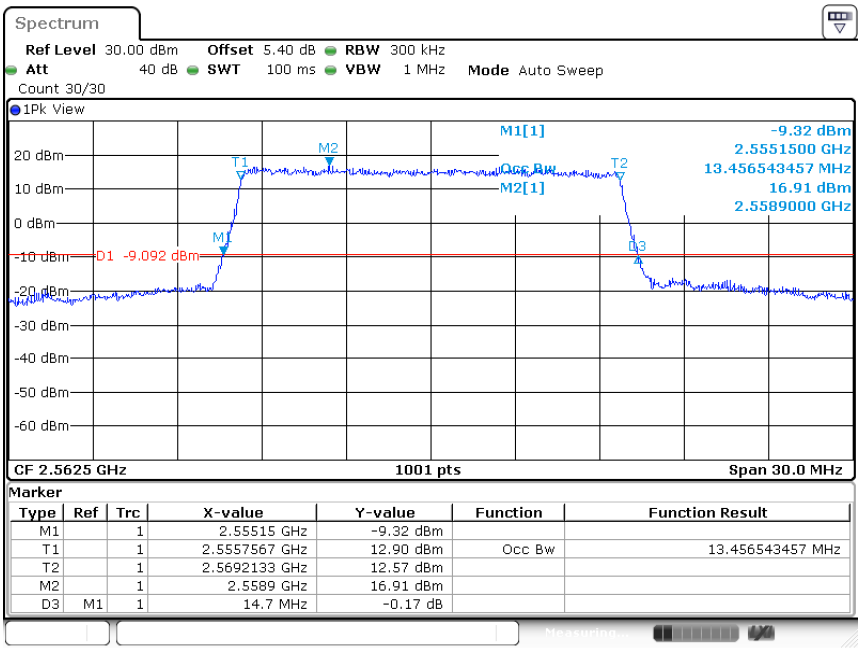
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.52759 GHz	-9.88 dBm		
T1		1	2.5282867 GHz	12.36 dBm	Occ Bw	13.456543457 MHz
T2		1	2.5417433 GHz	11.88 dBm		
M2		1	2.53143 GHz	16.82 dBm		
D3	M1	1	14.82 MHz	-0.10 dB		

Date: 14.AUG.2020 23:22:03

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.55515 GHz	-9.32 dBm		
T1		1	2.5557567 GHz	12.90 dBm	Occ Bw	13.456543457 MHz
T2		1	2.5692133 GHz	12.57 dBm		
M2		1	2.5589 GHz	16.91 dBm		
D3	M1	1	14.7 MHz	-0.17 dB		

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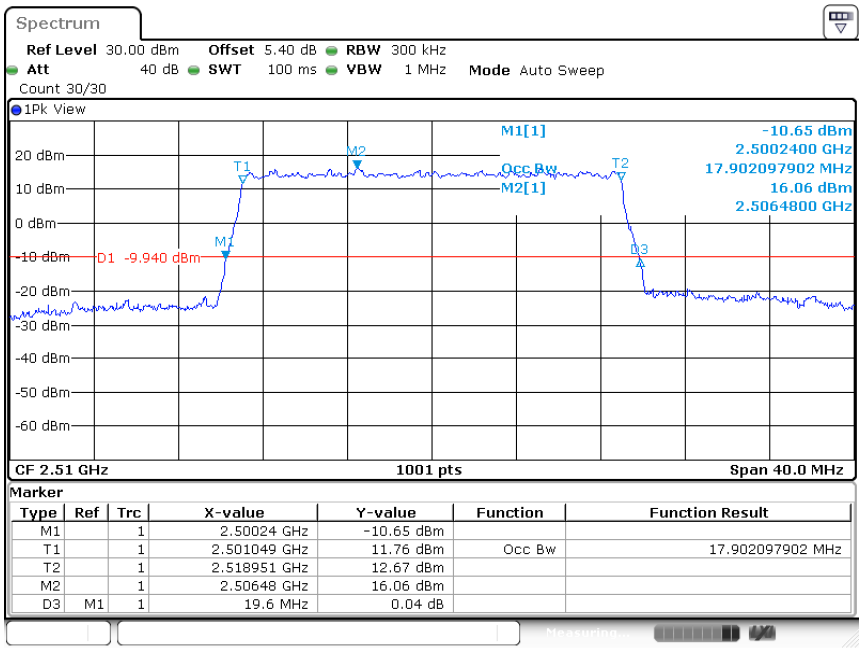
Band7-20MHz-QPSK-20850-100RB#0-17.902



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50024 GHz	-10.65 dBm		
T1		1	2.501049 GHz	11.76 dBm	Occ Bw	17.902097902 MHz
T2		1	2.518951 GHz	12.67 dBm		
M2		1	2.50648 GHz	16.06 dBm		
D3	M1	1	19.6 MHz	0.04 dB		

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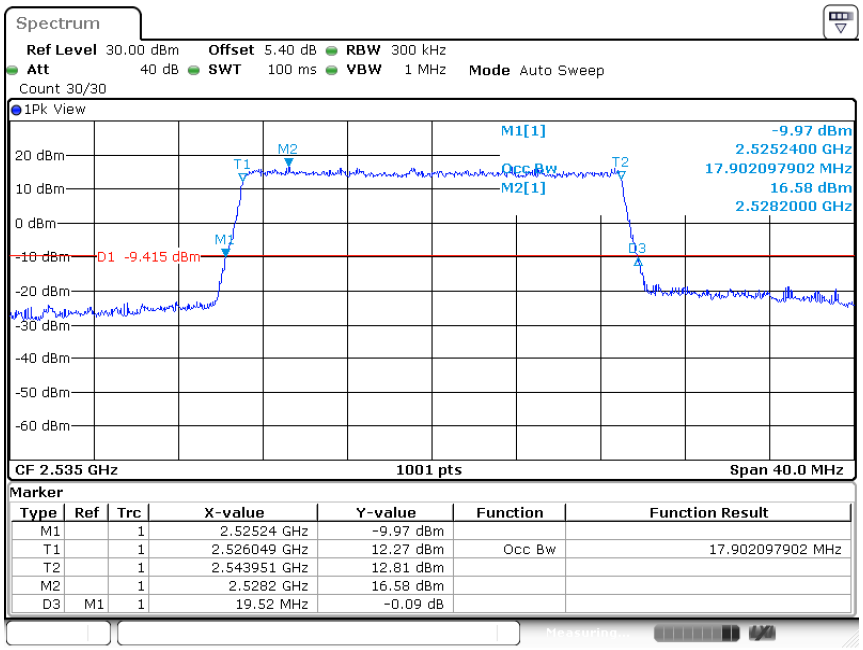
Band7-20MHz-QPSK-21100-100RB#0-17.902



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.52524 GHz	-9.97 dBm		
T1		1	2.526049 GHz	12.27 dBm	Occ Bw	17.902097902 MHz
T2		1	2.543951 GHz	12.81 dBm		
M2		1	2.5282 GHz	16.58 dBm		
D3	M1	1	19.52 MHz	-0.09 dB		

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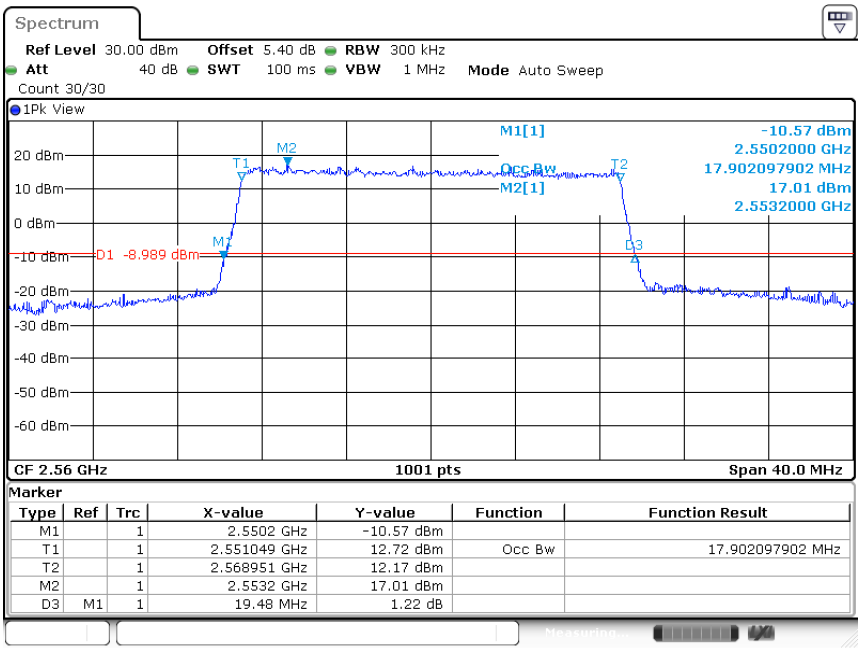
Band7-20MHz-QPSK-21350-100RB#0-17.902



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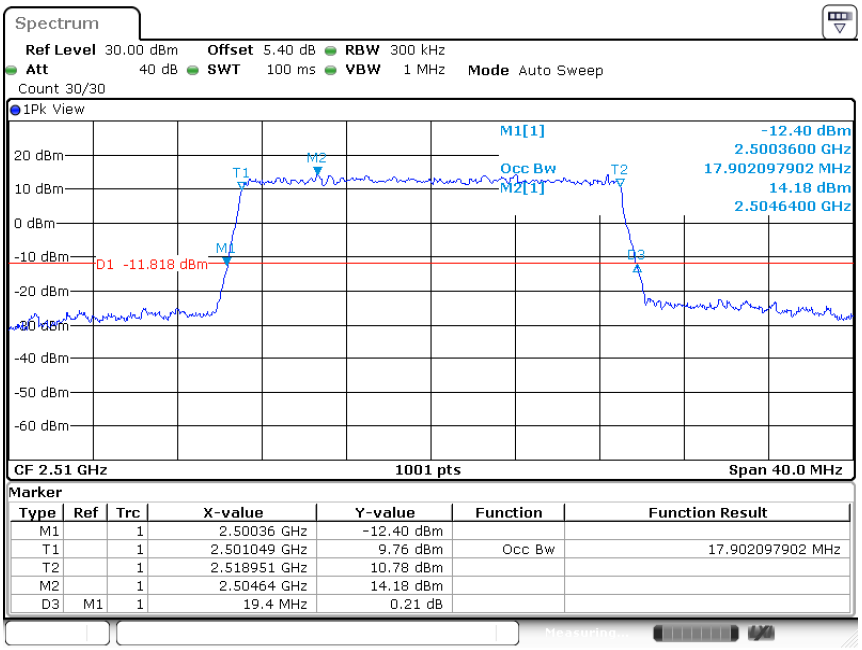
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5502 GHz	-10.57 dBm		
T1		1	2.551049 GHz	12.72 dBm	Occ Bw	17.902097902 MHz
T2		1	2.568951 GHz	12.17 dBm		
M2		1	2.5532 GHz	17.01 dBm		
D3	M1	1	19.48 MHz	1.22 dB		

Date: 14.AUG.2020 23:23:40

Band7-20MHz-64QAM-20850-100RB#0-17.902



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50036 GHz	-12.40 dBm		
T1		1	2.501049 GHz	9.76 dBm	Occ Bw	17.902097902 MHz
T2		1	2.518951 GHz	10.78 dBm		
M2		1	2.50464 GHz	14.18 dBm		
D3	M1	1	19.4 MHz	0.21 dB		

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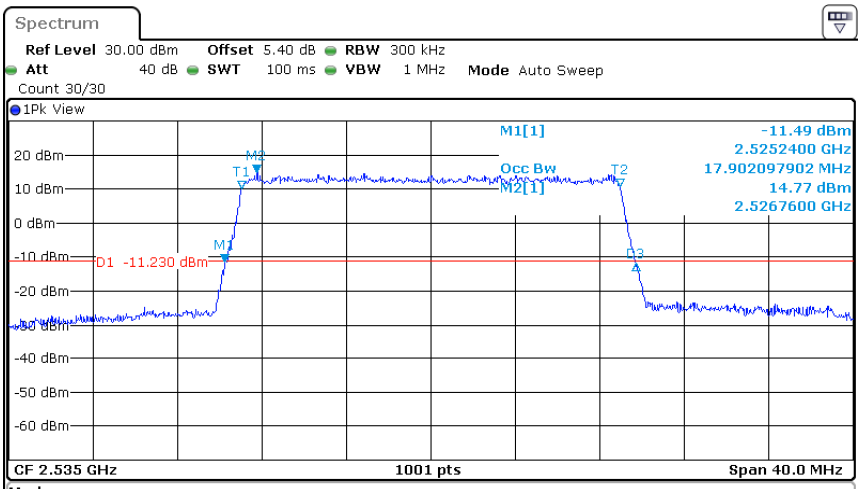

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.52524 GHz	-11.49 dBm		
T1		1	2.526049 GHz	10.10 dBm	Occ Bw	17.902097902 MHz
T2		1	2.543951 GHz	10.71 dBm		
M2		1	2.52676 GHz	14.77 dBm		
D3	M1	1	19.48 MHz	-0.18 dB		

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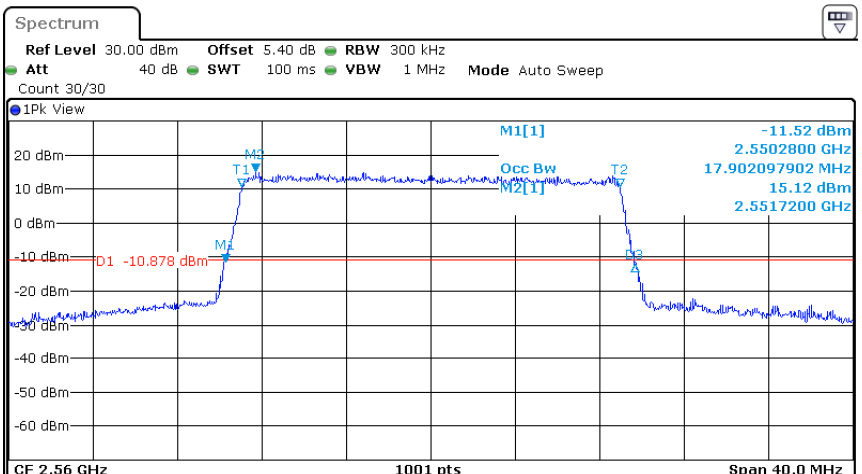
Band7-20MHz-64QAM-21350-100RB#0-17.902



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.55028 GHz	-11.52 dBm		
T1		1	2.551049 GHz	10.69 dBm	Occ Bw	17.902097902 MHz
T2		1	2.568951 GHz	10.56 dBm		
M2		1	2.55172 GHz	15.12 dBm		
D3	M1	1	19.36 MHz	-0.57 dB		

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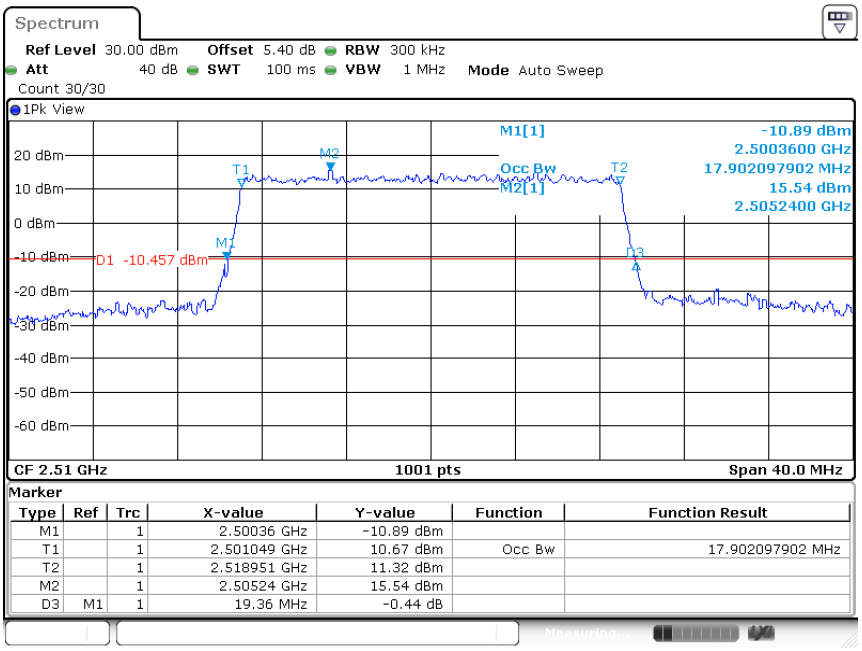

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50036 GHz	-10.89 dBm		
T1		1	2.501049 GHz	10.67 dBm	Occ Bw	17.902097902 MHz
T2		1	2.518951 GHz	11.32 dBm		
M2		1	2.50524 GHz	15.54 dBm		
D3	M1	1	19.36 MHz	-0.44 dB		

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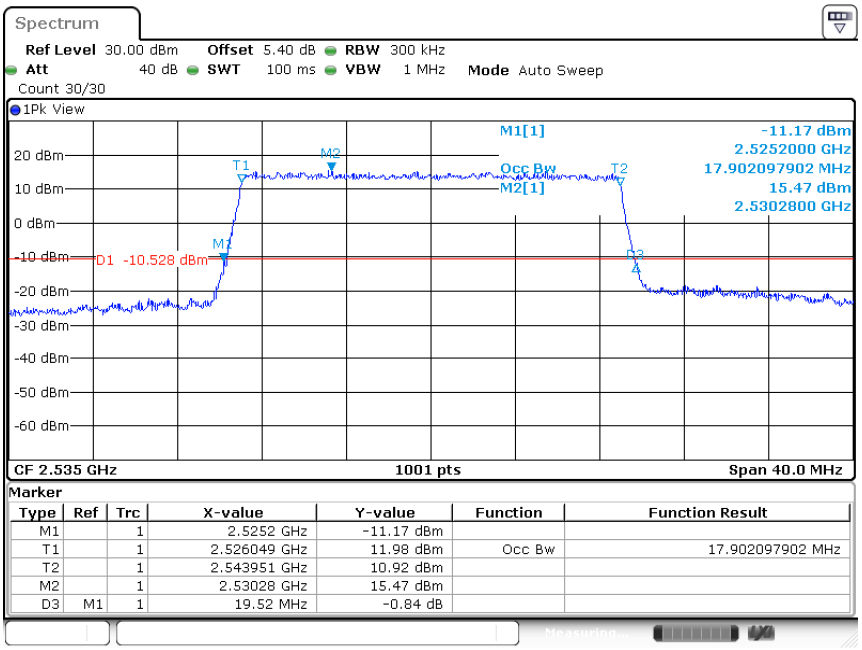
Band7-20MHz-16QAM-21100-100RB#0-17.902



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5252 GHz	-11.17 dBm		
T1		1	2.526049 GHz	11.98 dBm	Occ Bw	17.902097902 MHz
T2		1	2.543951 GHz	10.92 dBm		
M2		1	2.53028 GHz	15.47 dBm		
D3	M1	1	19.52 MHz	-0.84 dB		

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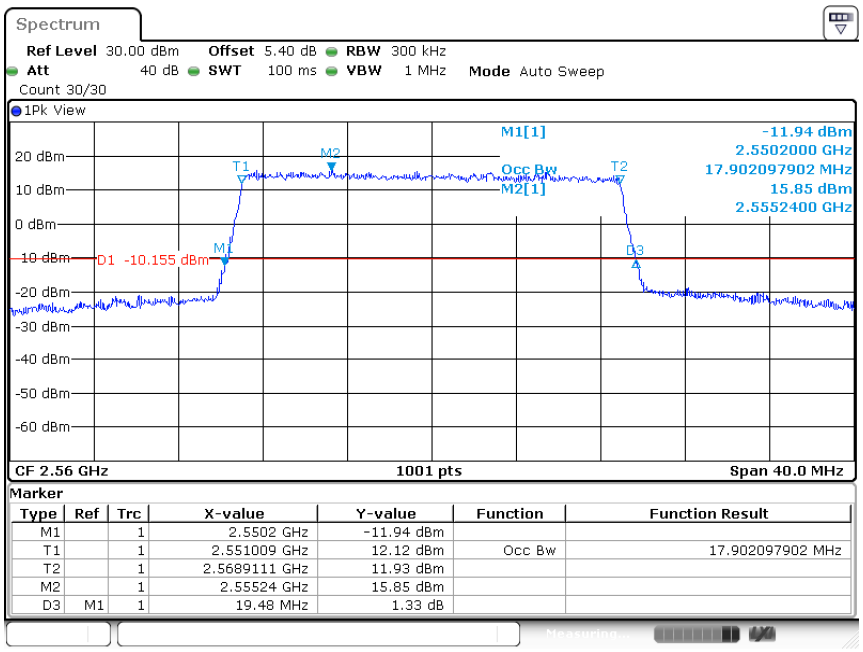

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5502 GHz	-11.94 dBm		
T1		1	2.551009 GHz	12.12 dBm	Occ Bw	17.902097902 MHz
T2		1	2.5689111 GHz	11.93 dBm		
M2		1	2.55524 GHz	15.85 dBm		
D3	M1	1	19.48 MHz	1.33 dB		

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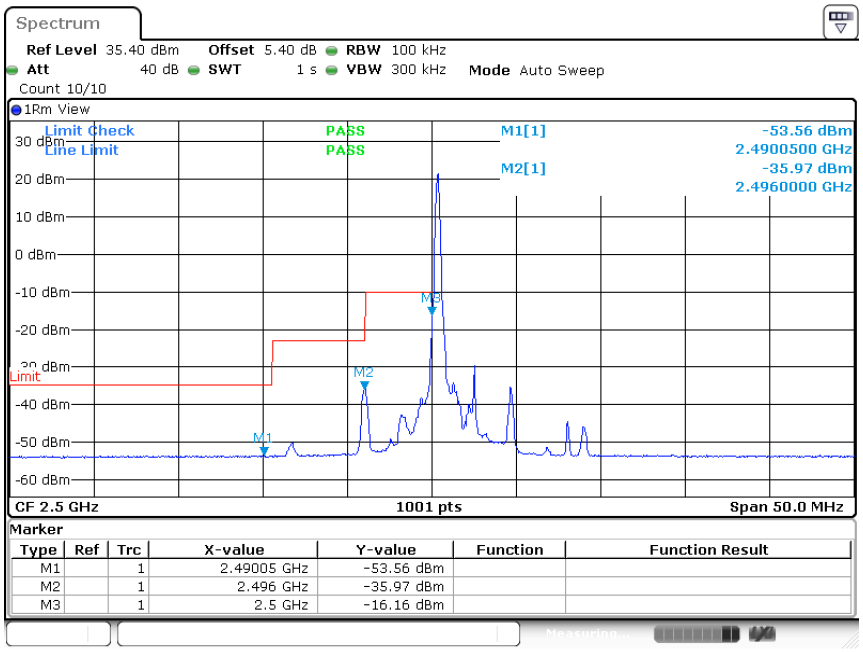
5. Band Edge Compliance

5.1. Test Plots

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



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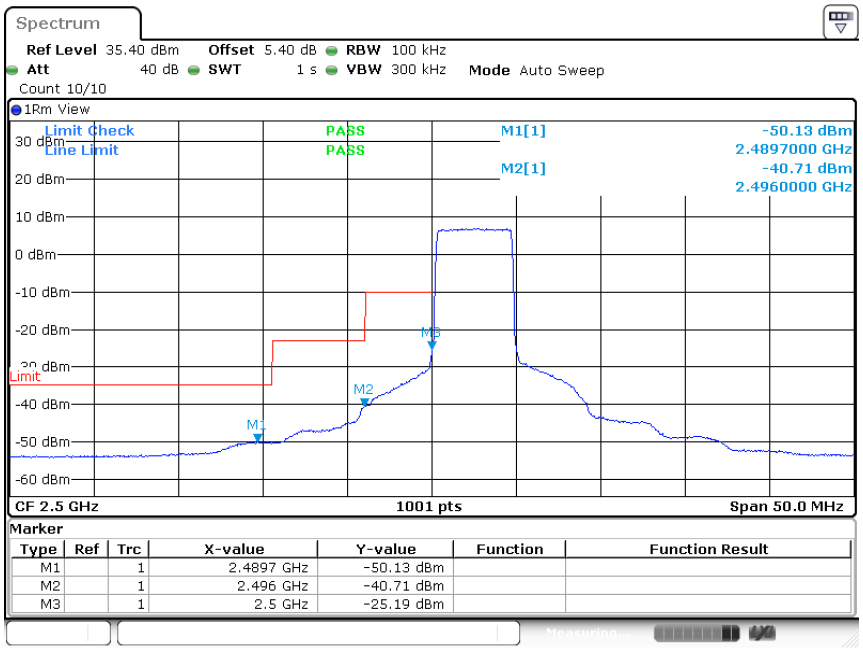
Band7-5MHz-QPSK-20775-25RB#0



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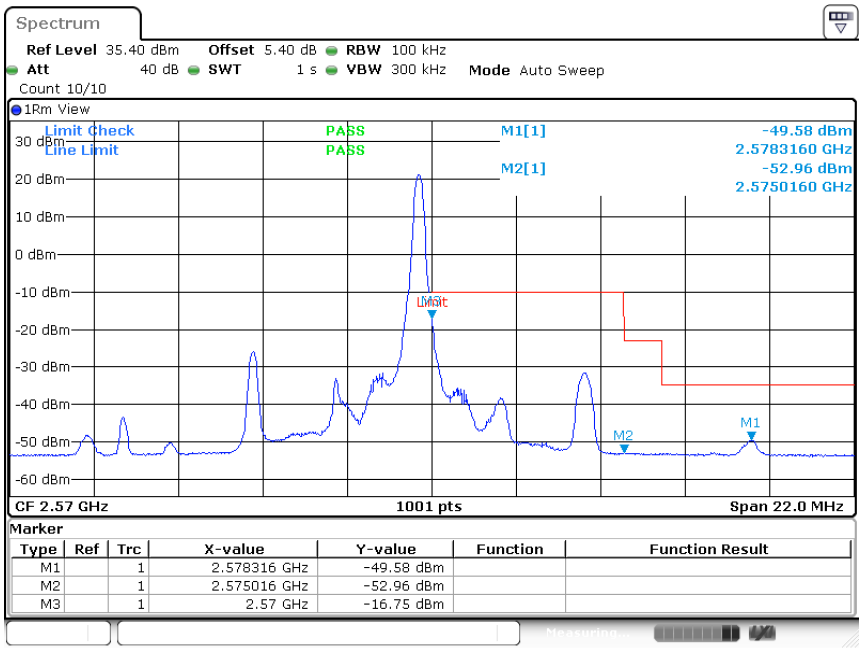

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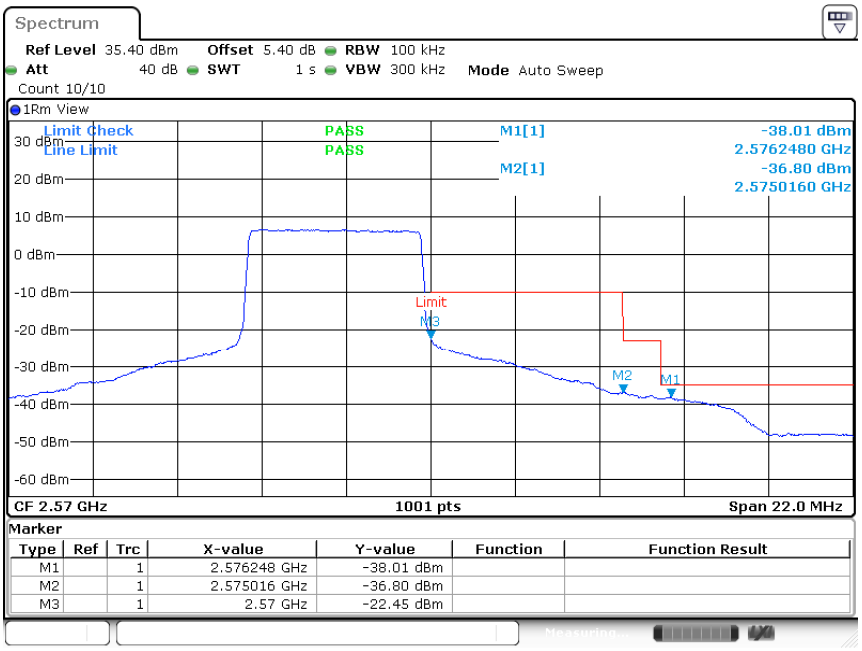

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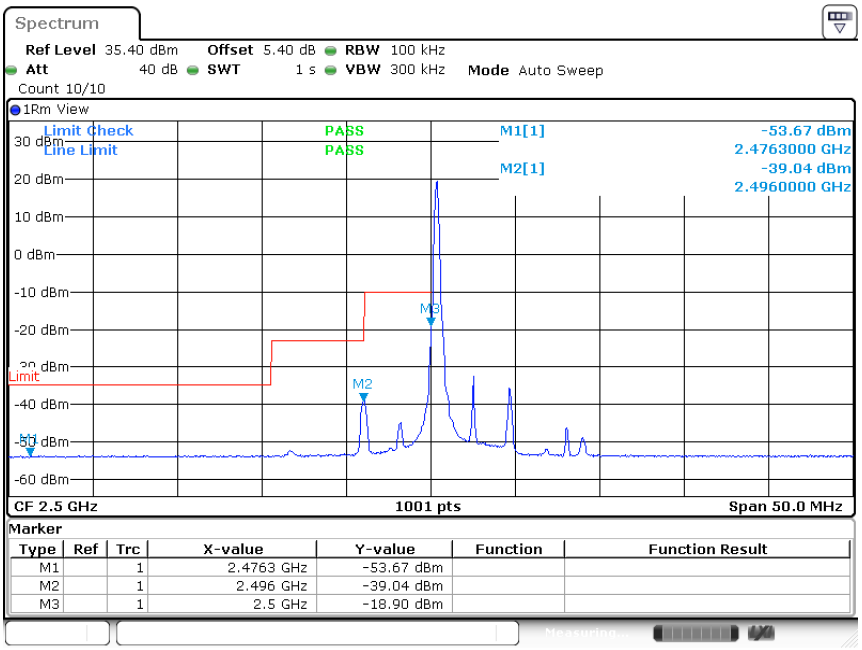
Band7-5MHz-64QAM-20775-1RB#0



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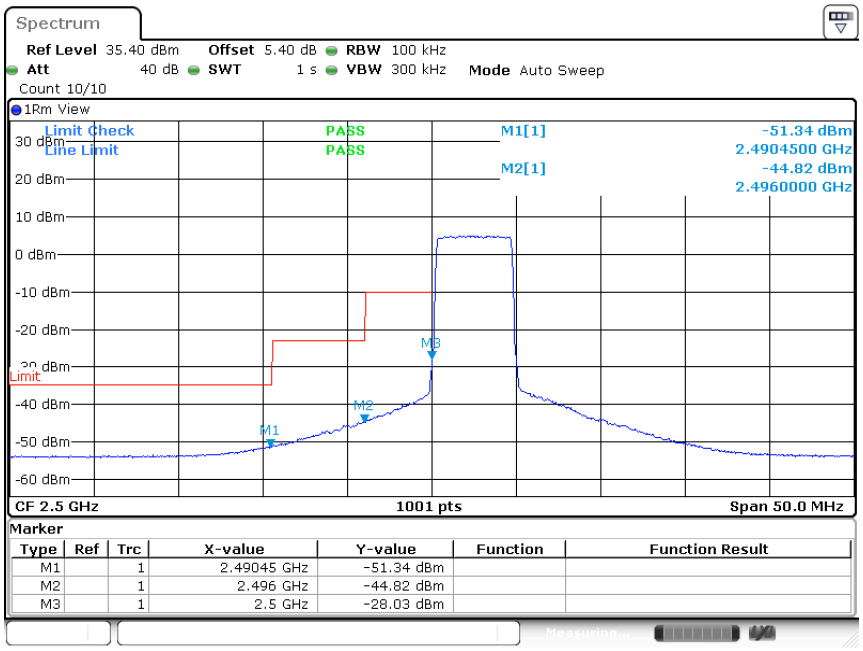

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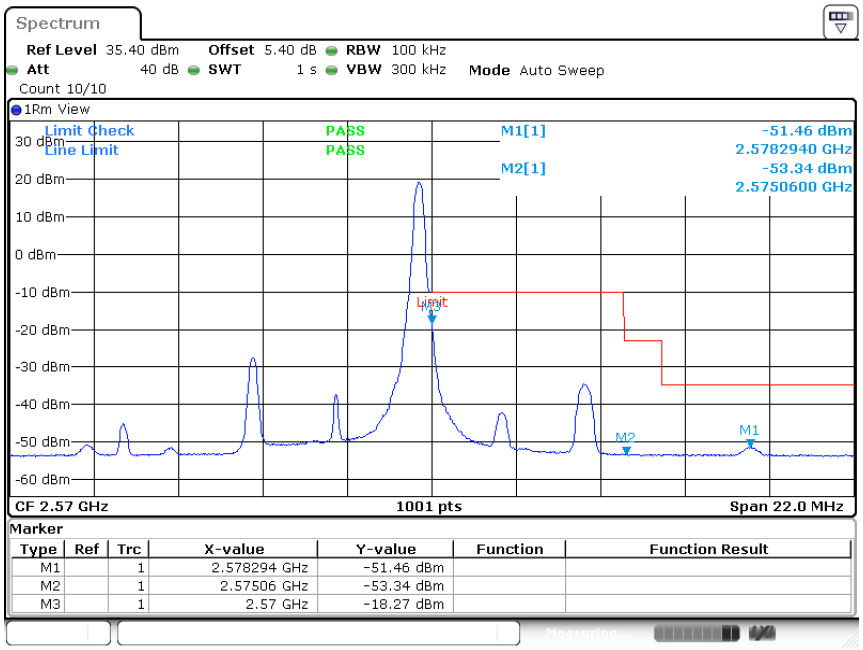
Band7-5MHz-64QAM-21425-1RB#24



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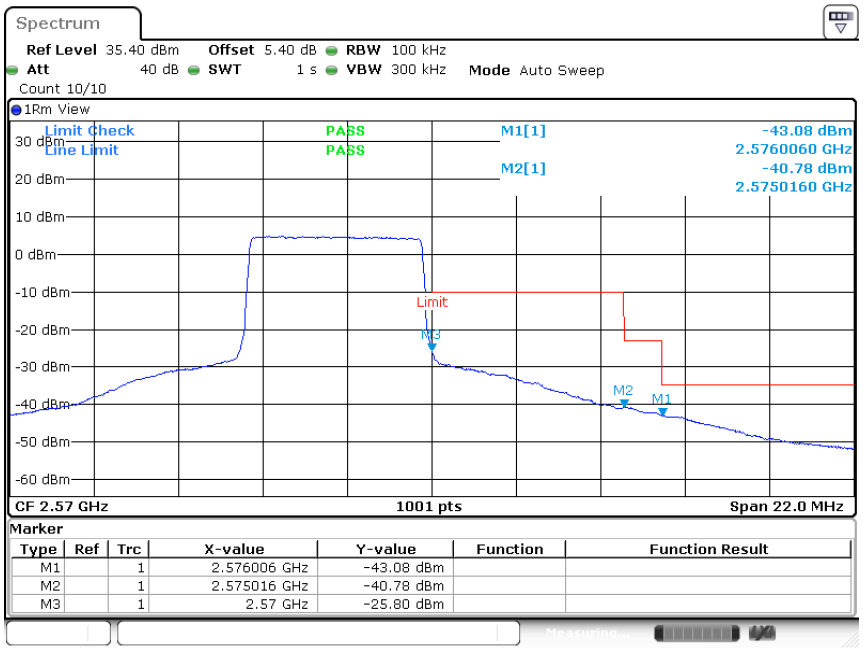

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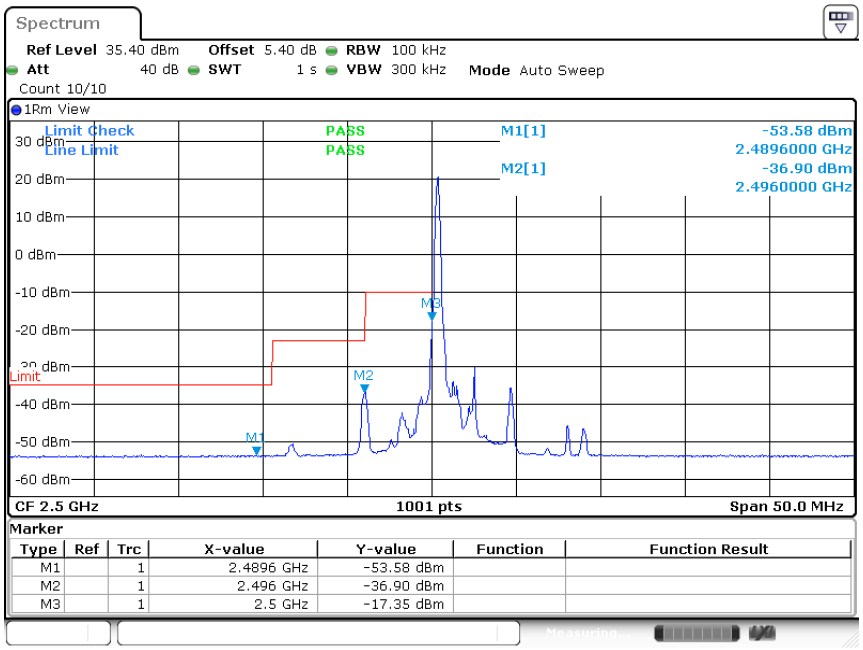

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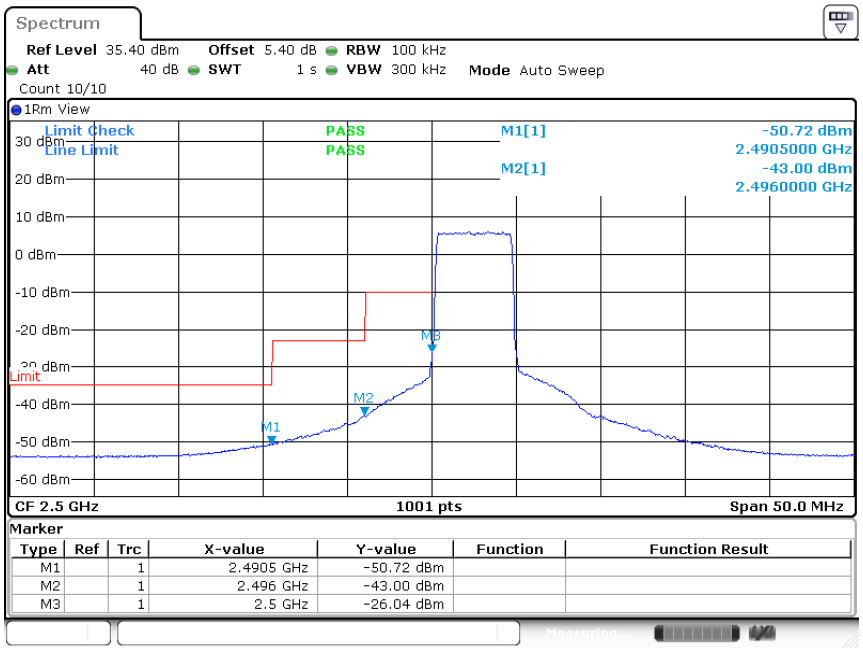

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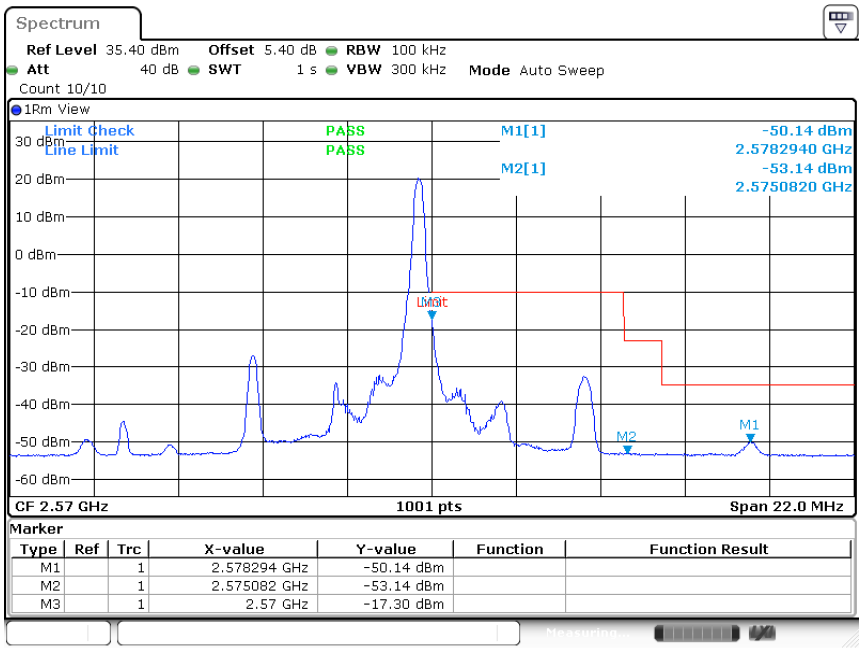
Band7-5MHz-16QAM-21425-1RB#24



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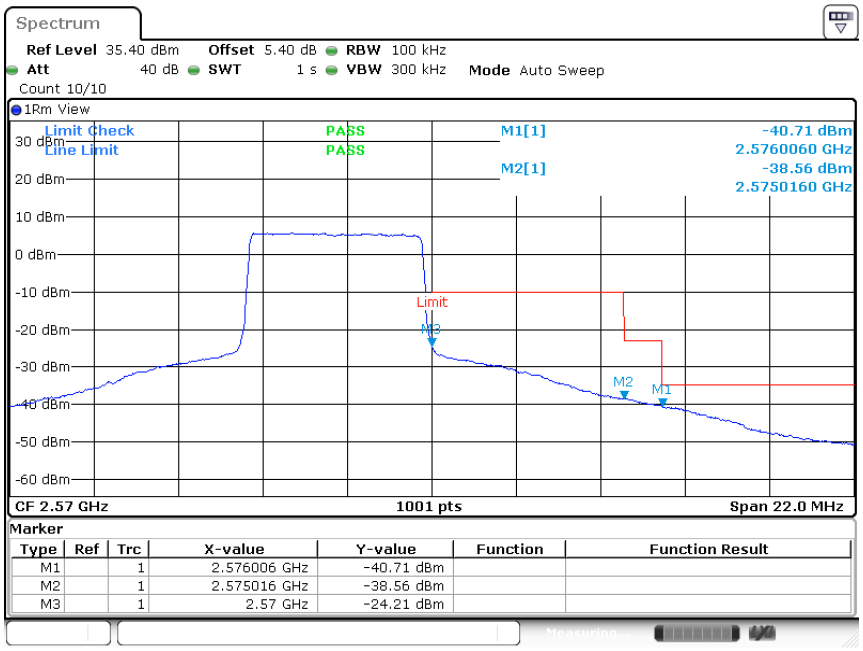

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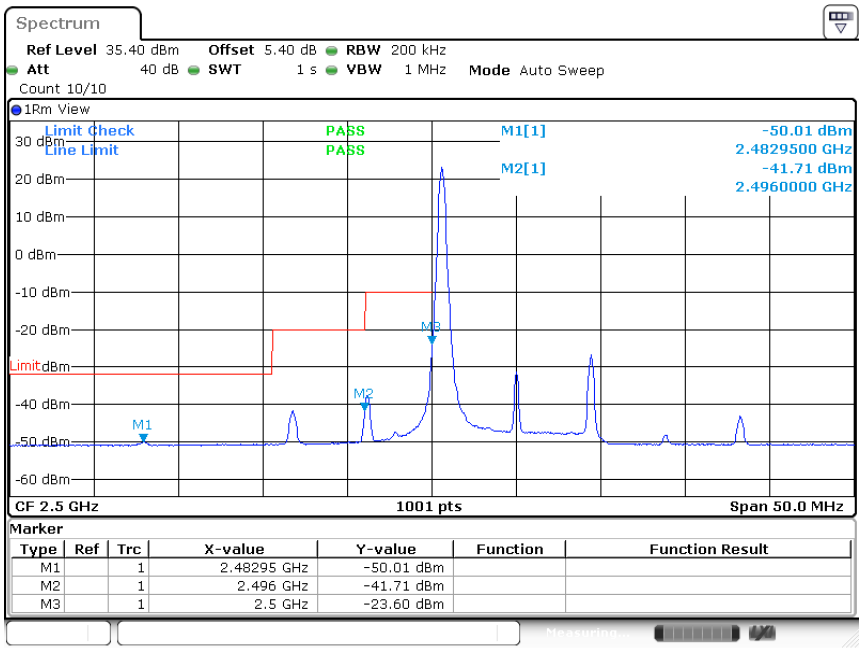

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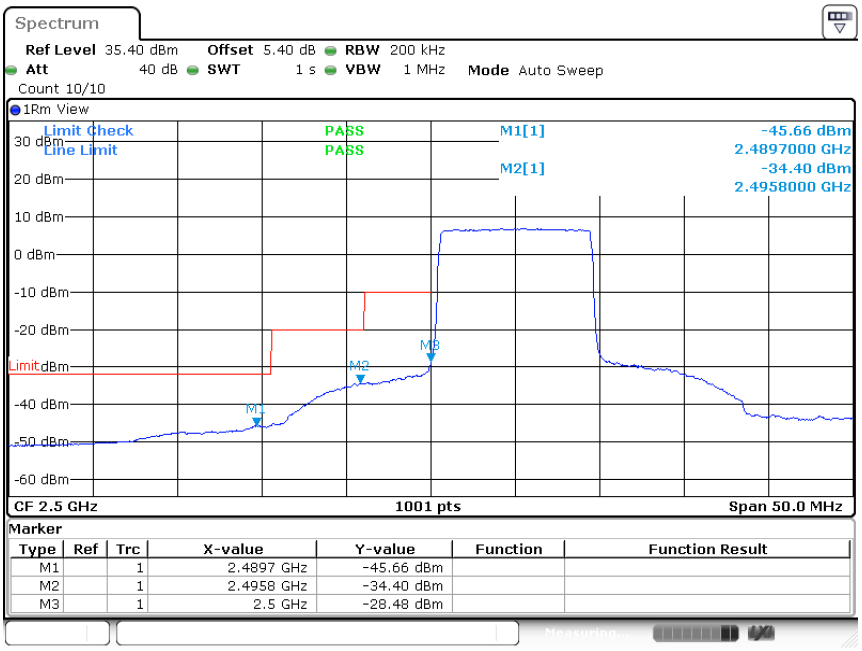

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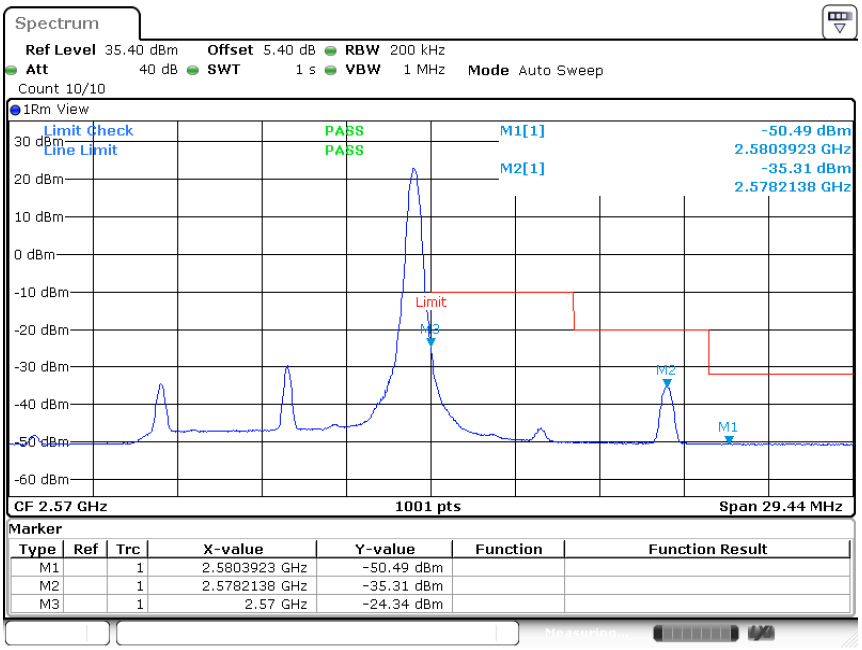

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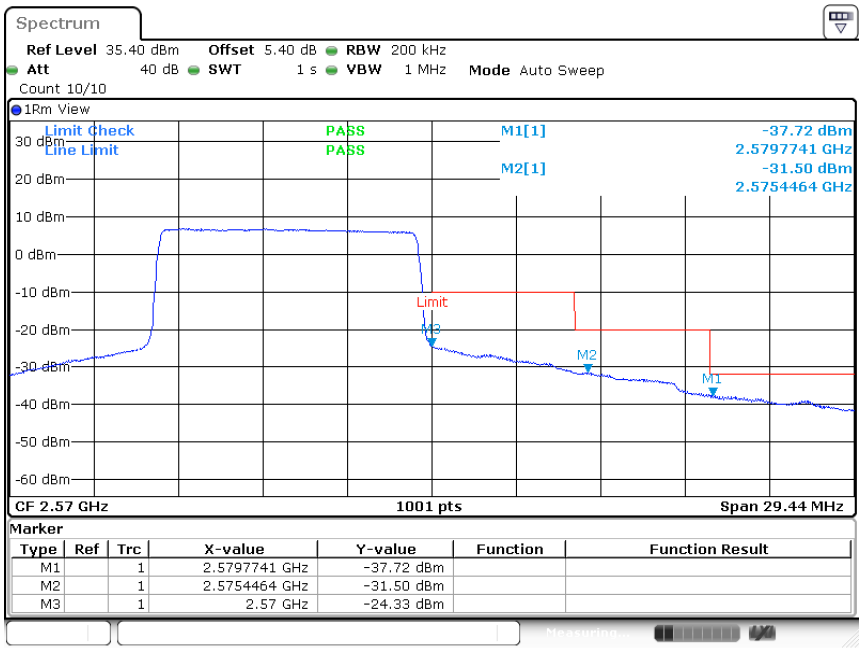

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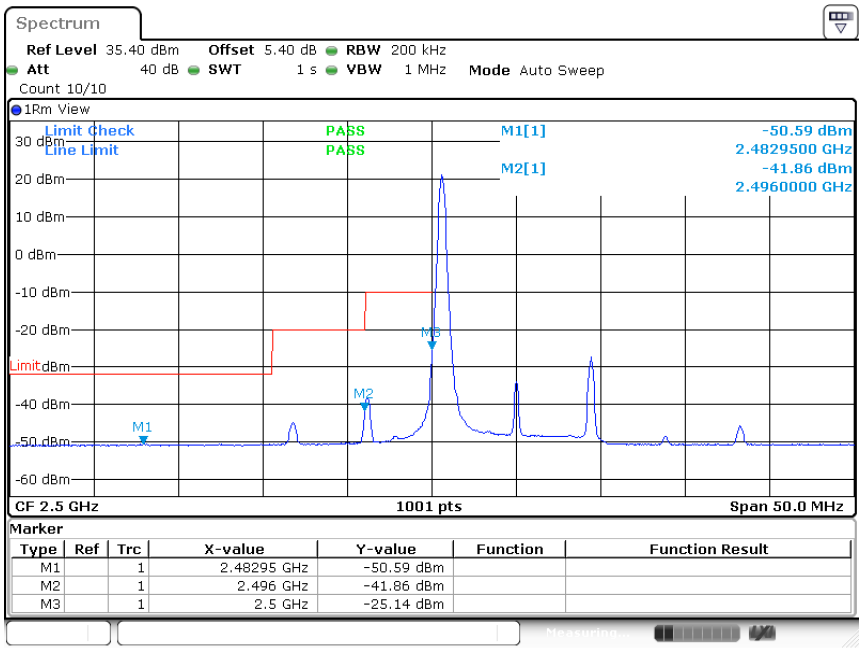

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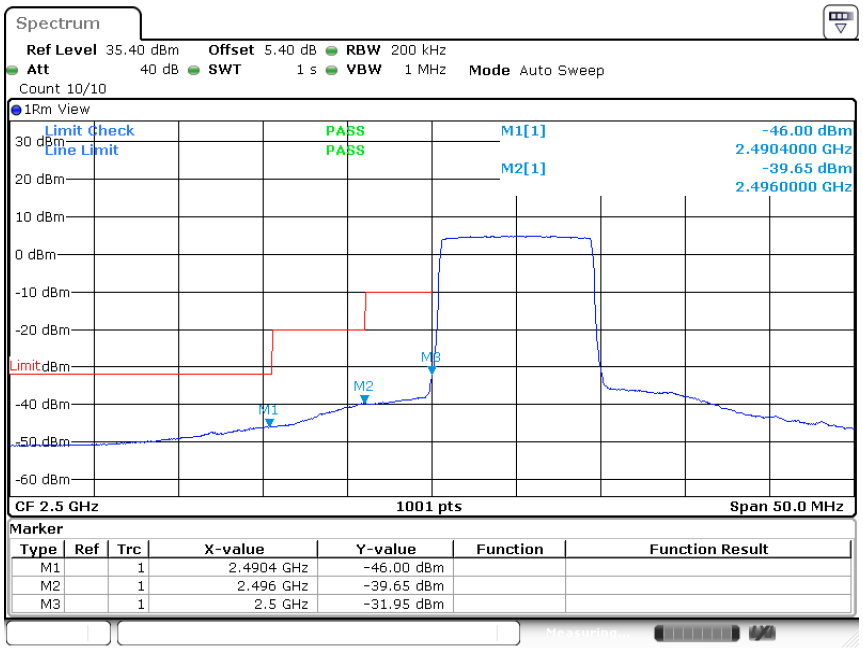

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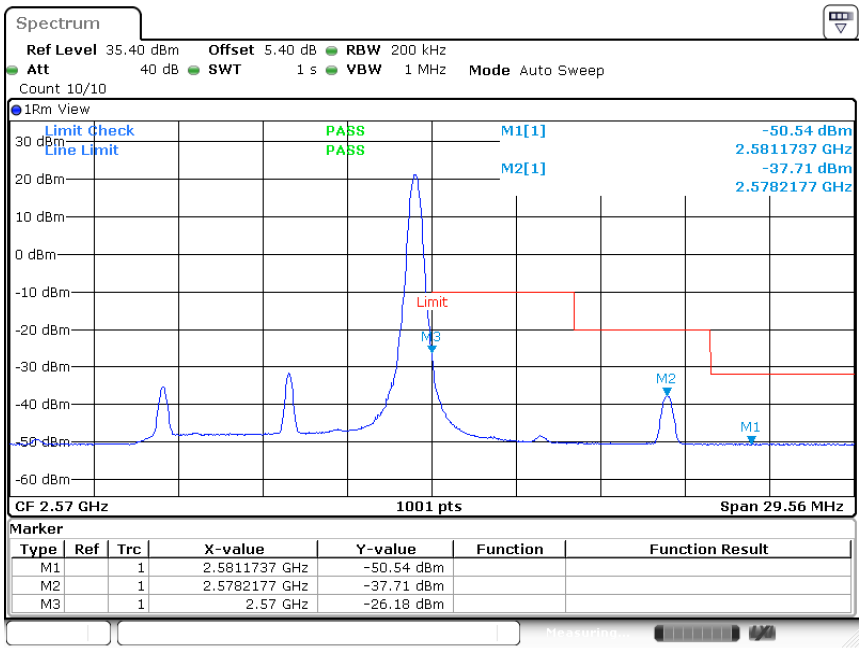
Band7-10MHz-64QAM-21400-1RB#49



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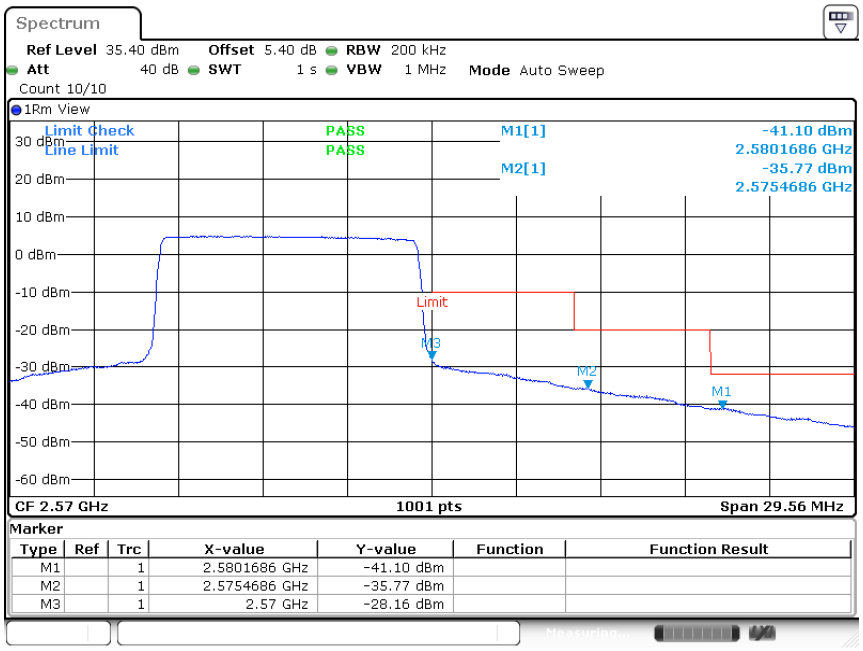

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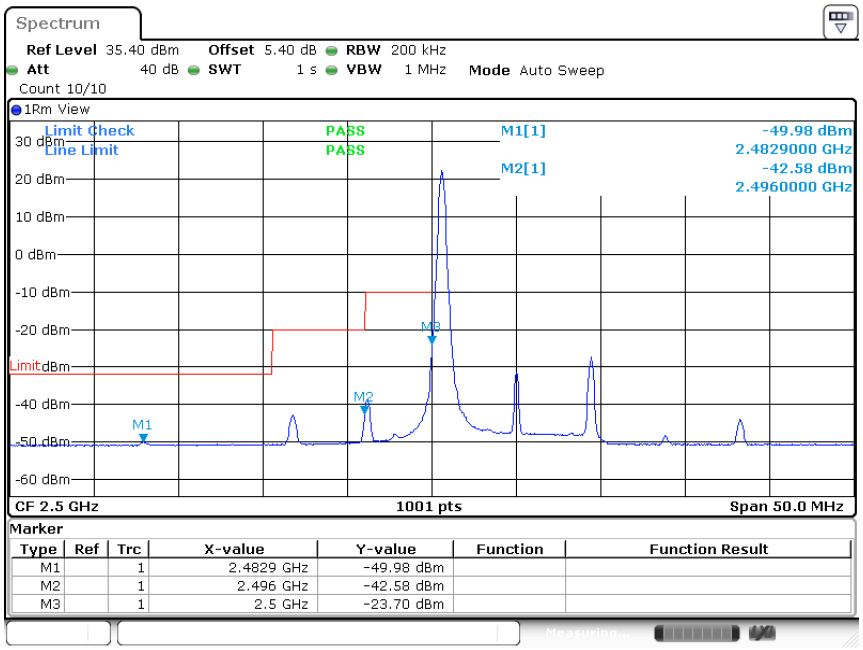

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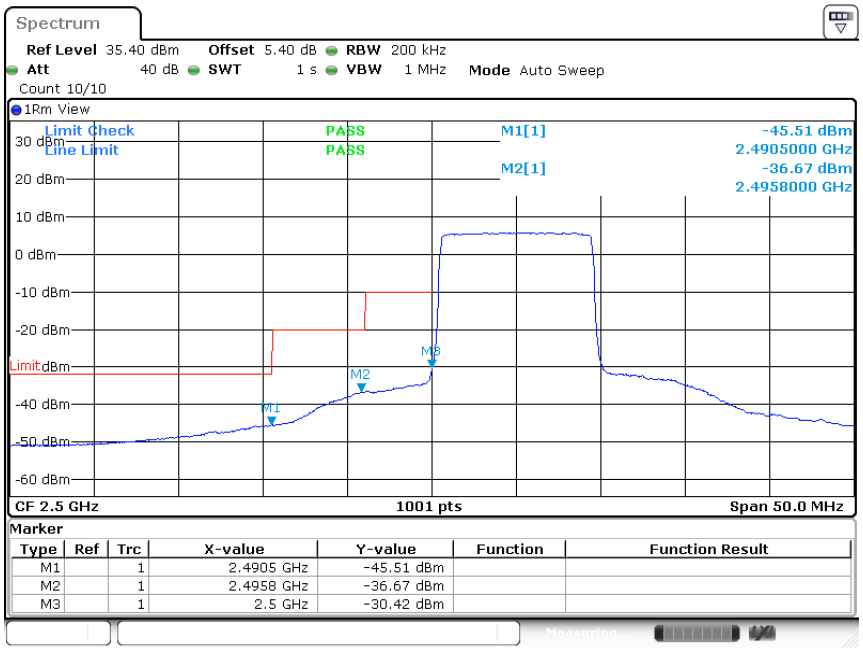
Band7-10MHz-16QAM-20800-50RB#0



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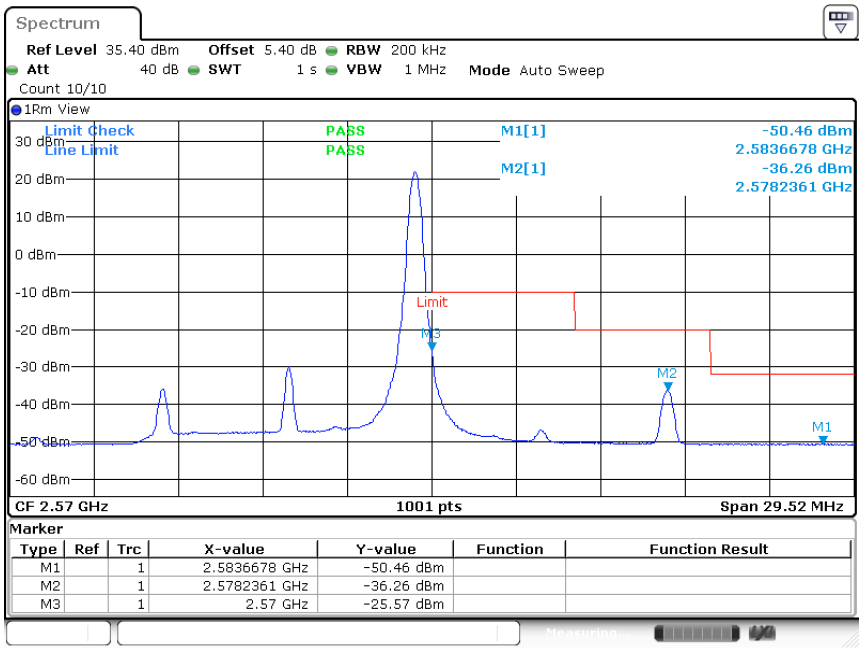

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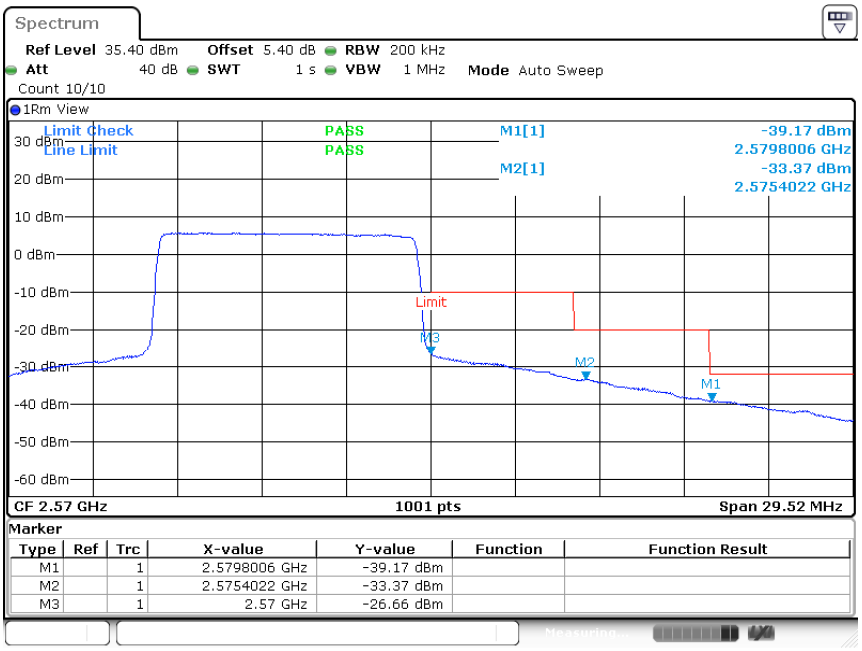
Band7-10MHz-16QAM-21400-50RB#0



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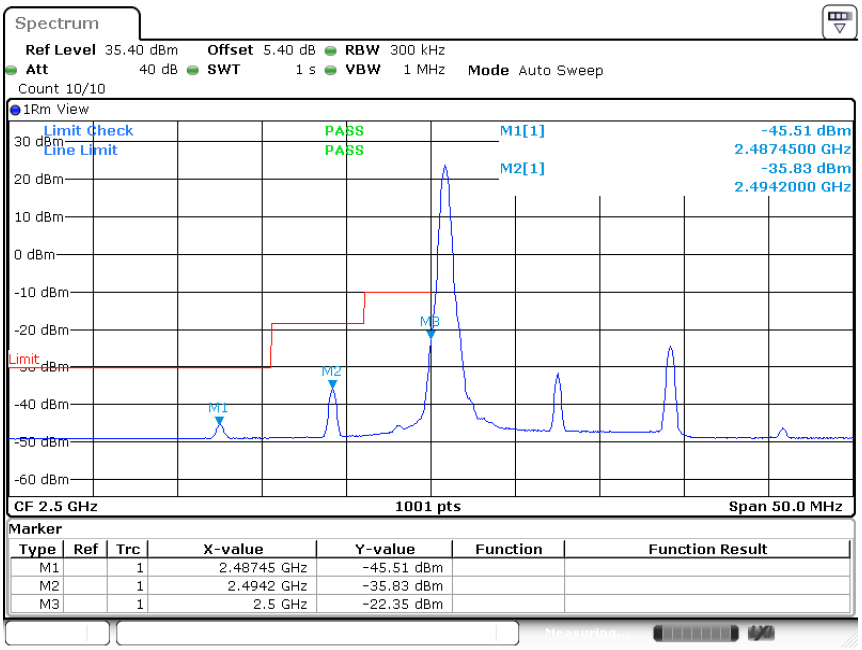
Band7-15MHz-QPSK-20825-1RB#0



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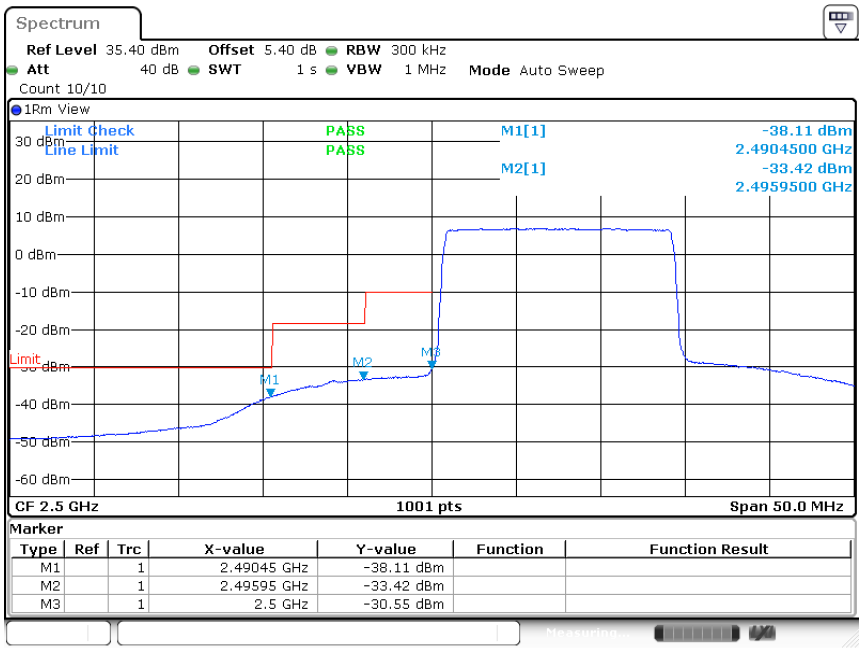
Band7-15MHz-QPSK-20825-75RB#0



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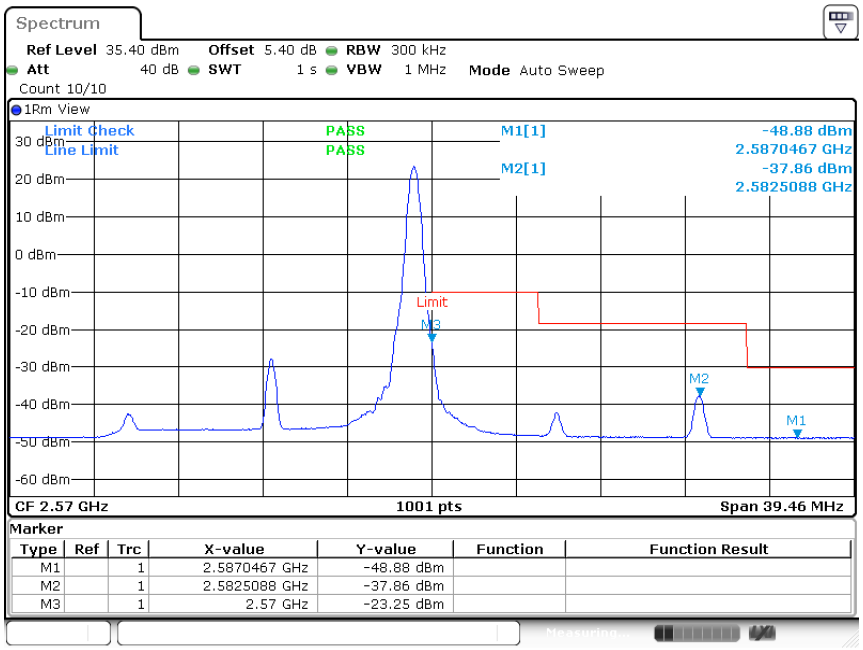
Band7-15MHz-QPSK-21375-1RB#74



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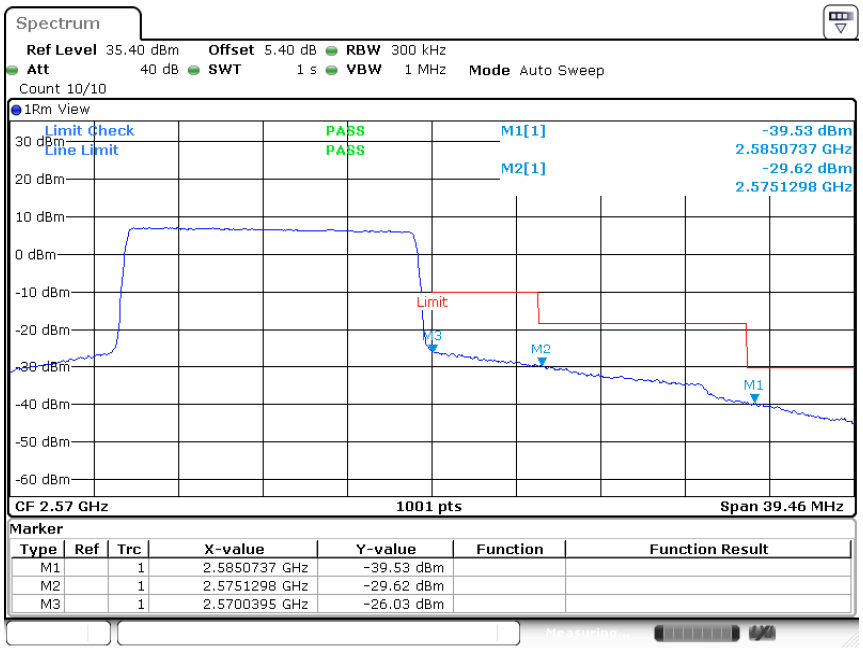

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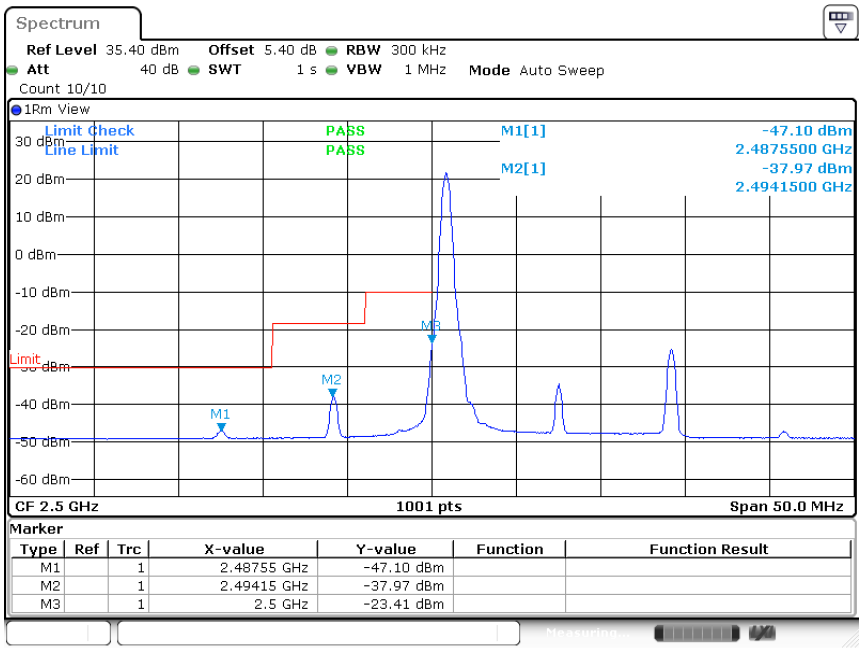
Band7-15MHz-64QAM-20825-1RB#0



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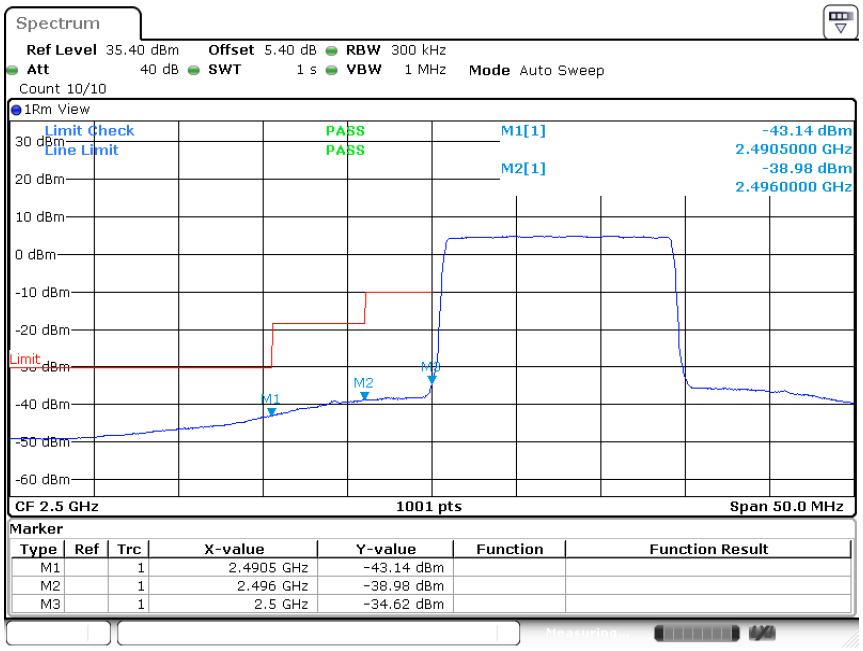

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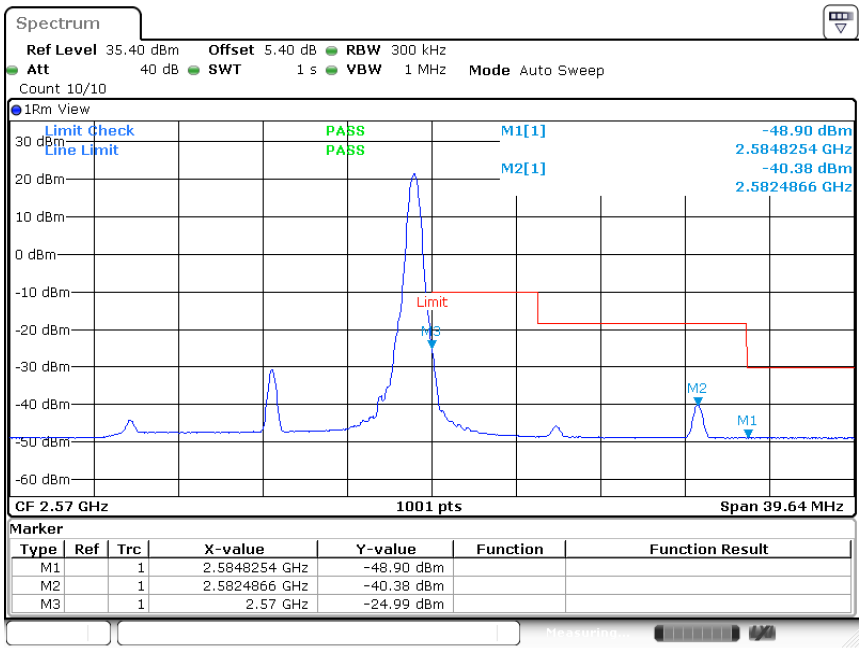
Band7-15MHz-64QAM-21375-1RB#74



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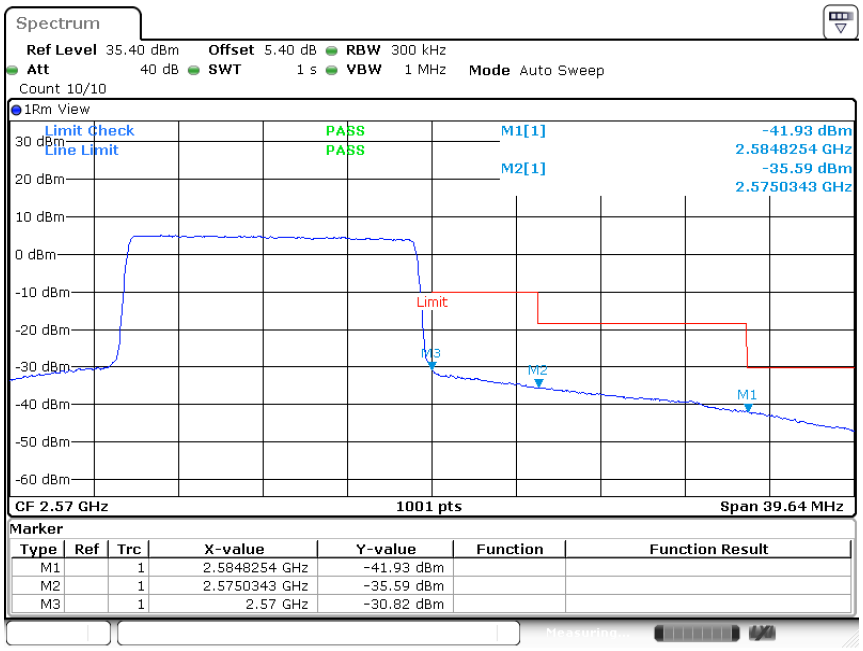

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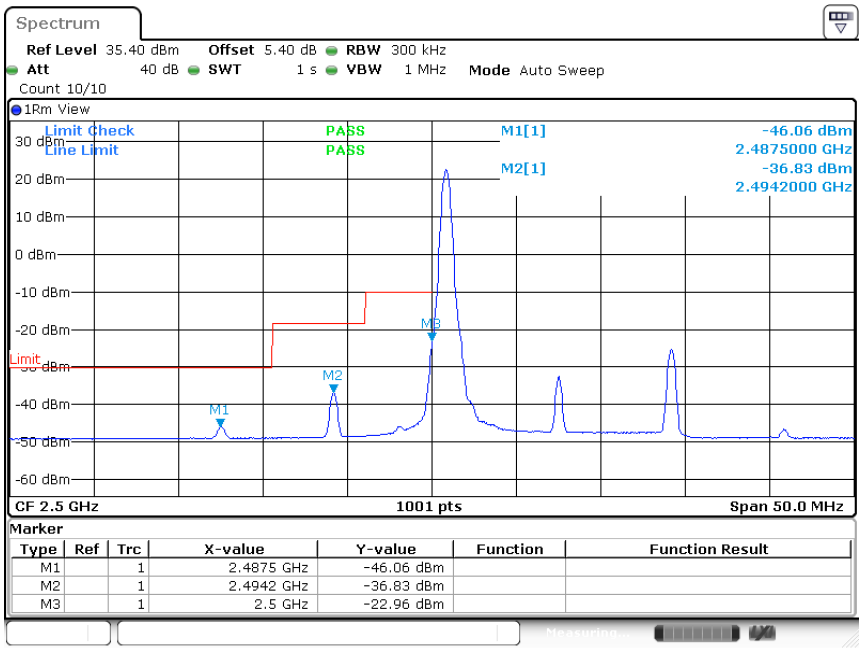

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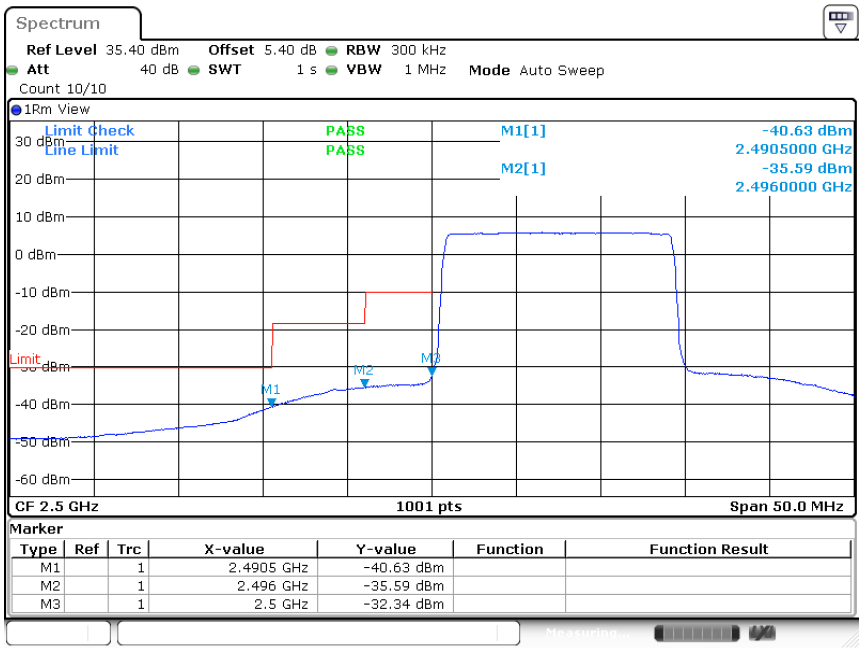

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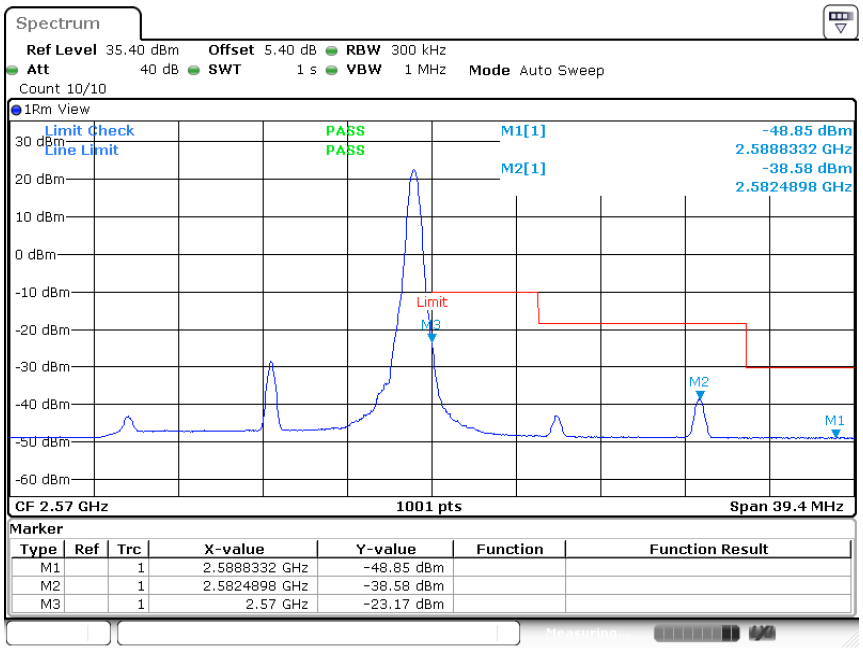
Band7-15MHz-16QAM-21375-1RB#74



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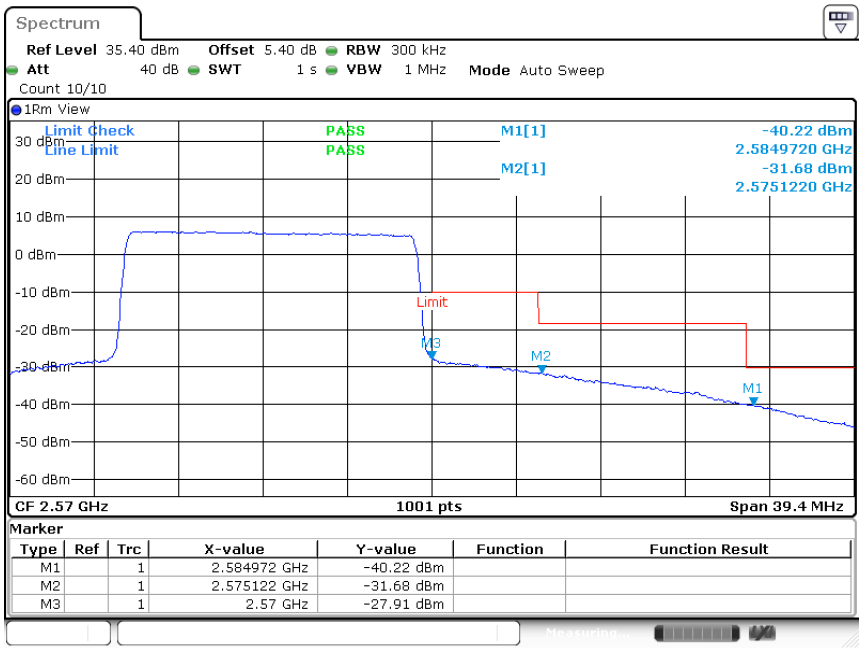

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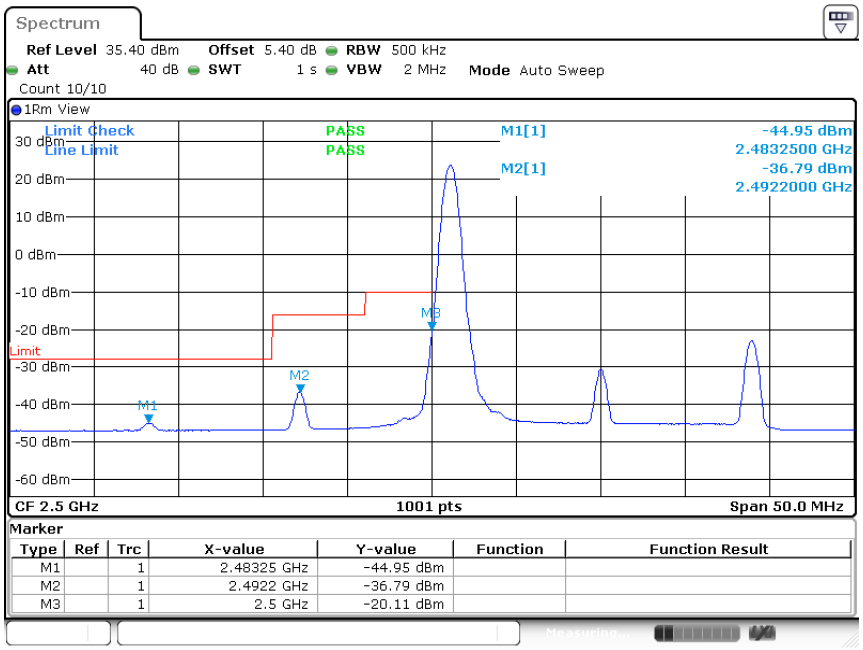
Band7-20MHz-QPSK-20850-1RB#0



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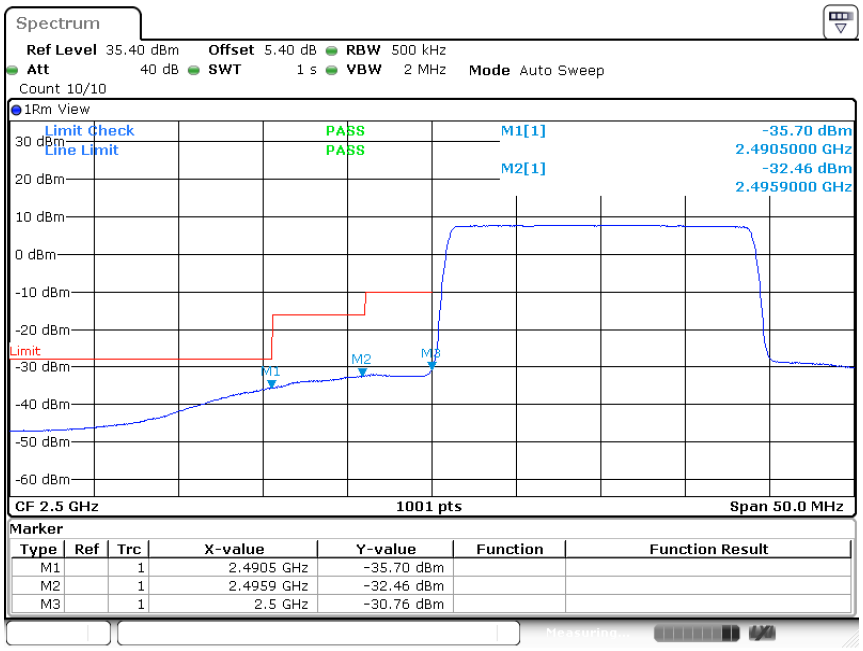
Band7-20MHz-QPSK-20850-100RB#0



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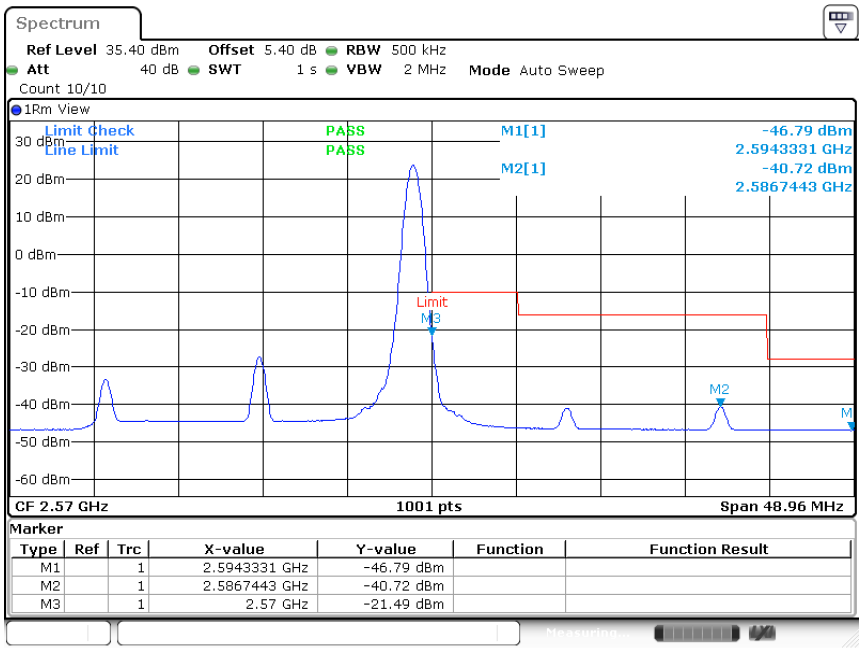
Band7-20MHz-QPSK-21350-1RB#99



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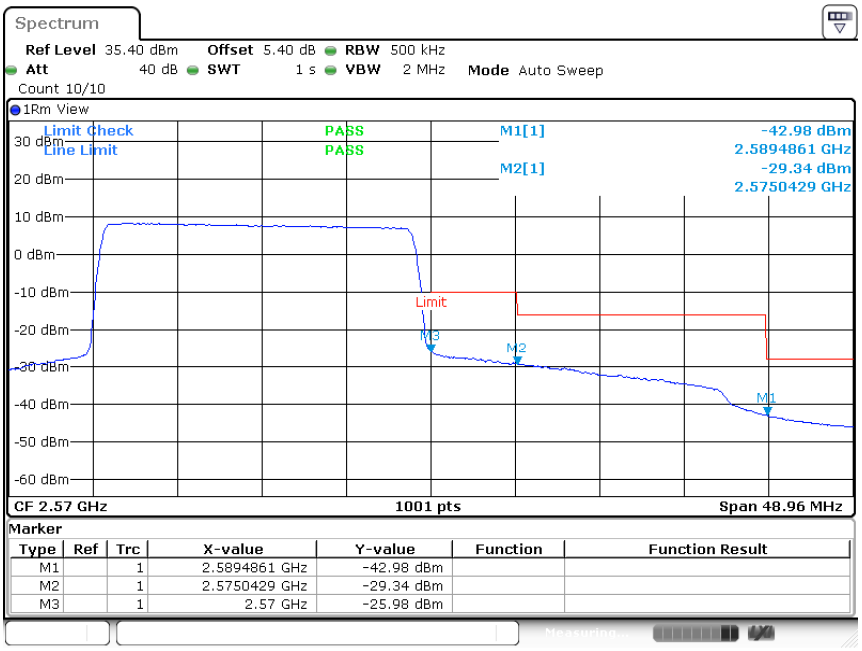

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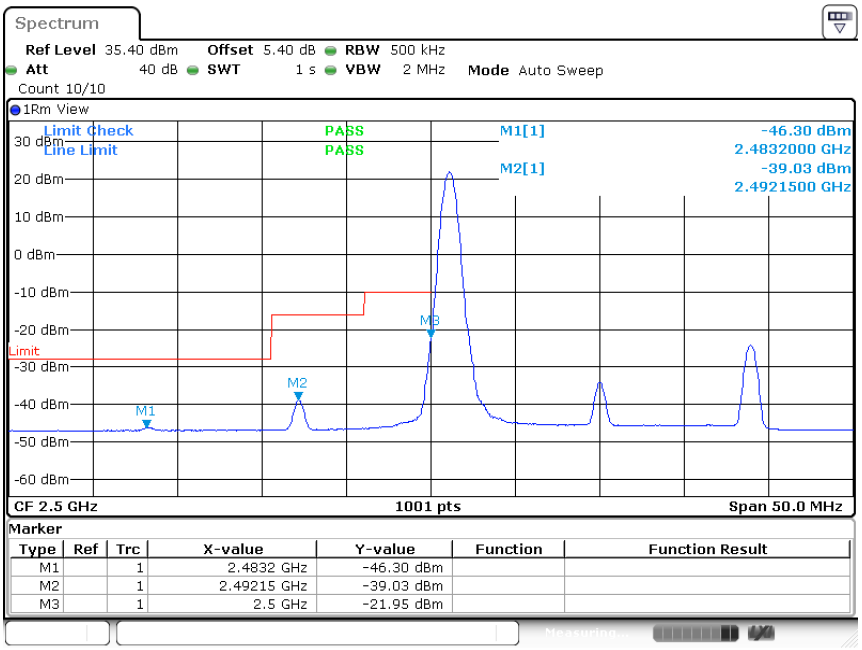
Band7-20MHz-64QAM-20850-1RB#0



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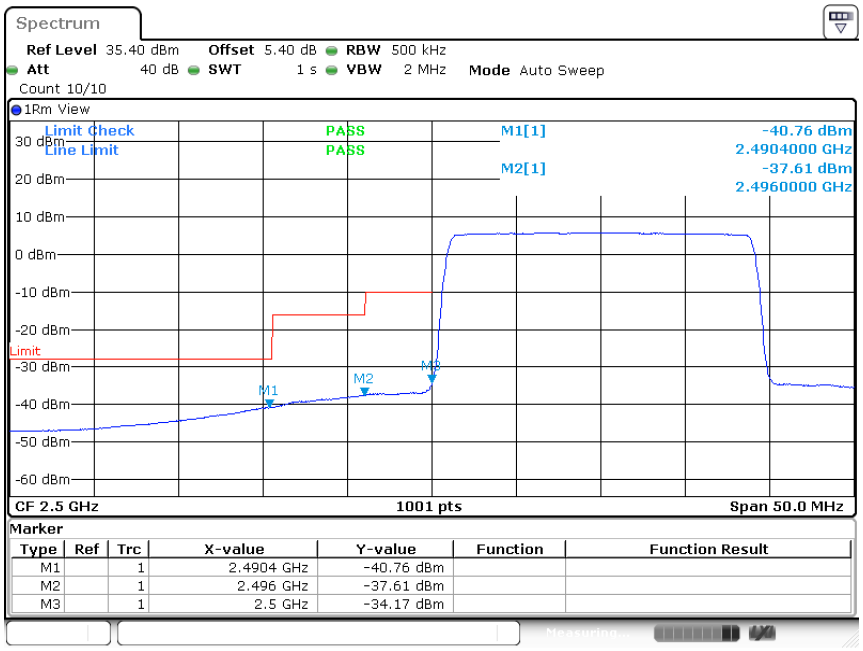
Band7-20MHz-64QAM-20850-100RB#0



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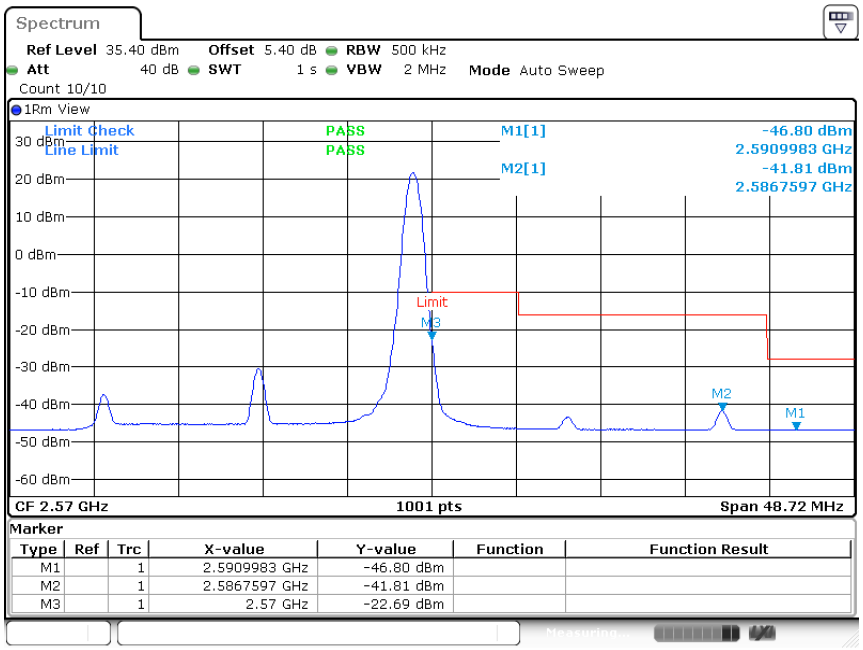
Band7-20MHz-64QAM-21350-1RB#99



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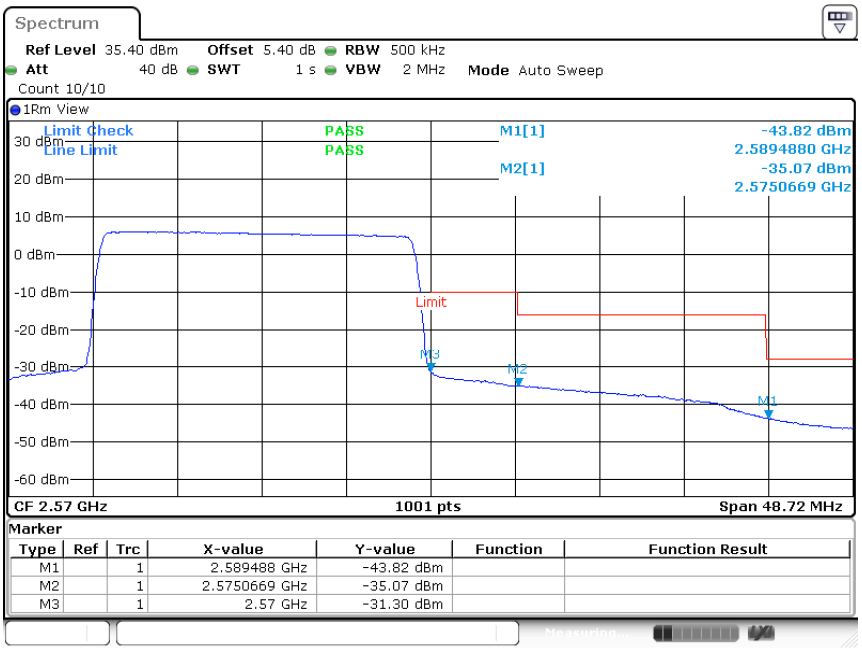
Band7-20MHz-64QAM-21350-100RB#0



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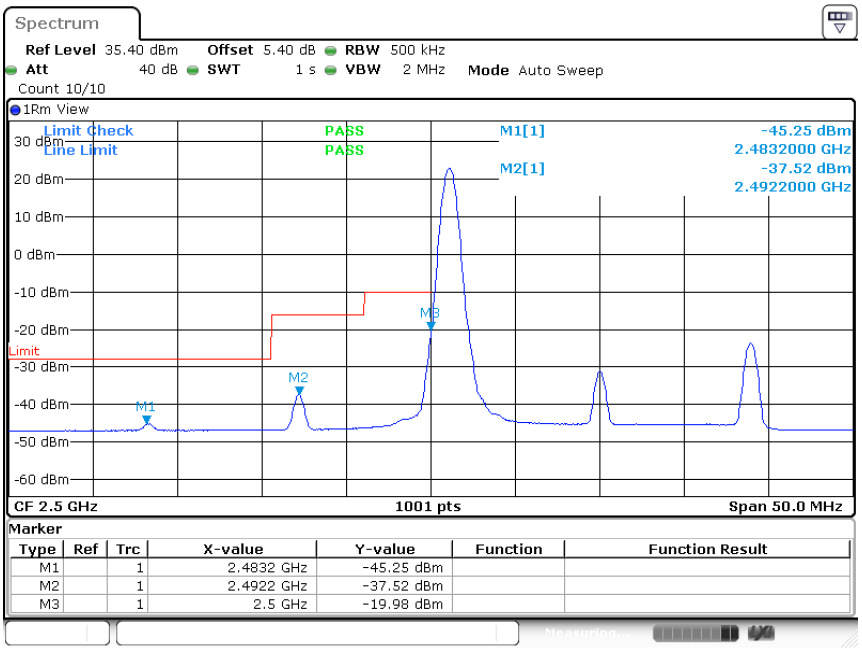
Band7-20MHz-16QAM-20850-1RB#0



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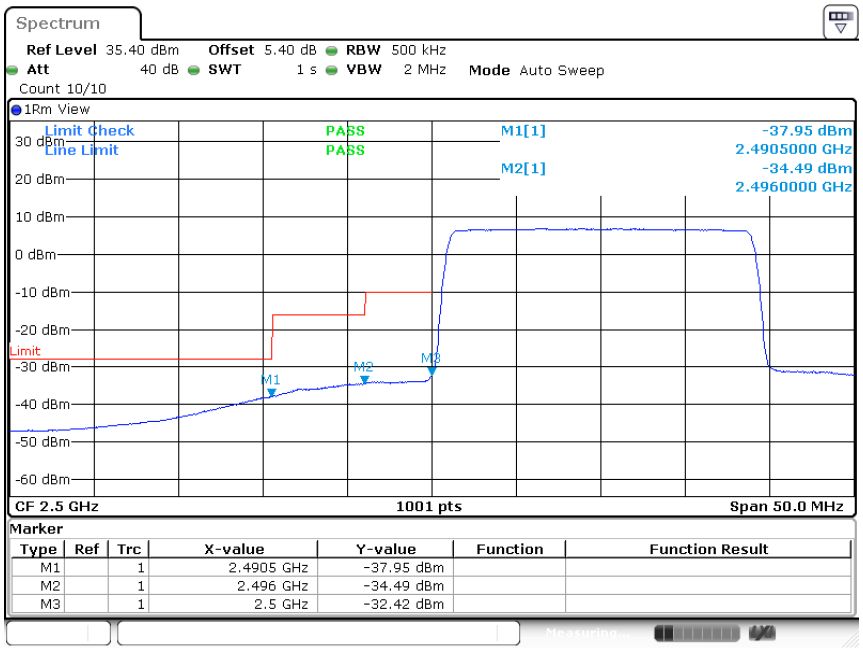
Band7-20MHz-16QAM-20850-100RB#0



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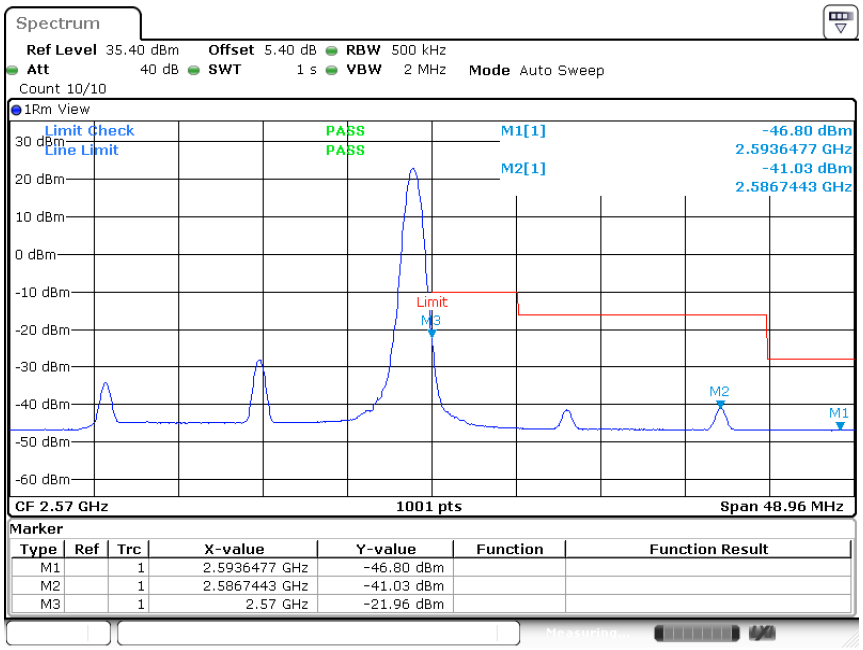
Band7-20MHz-16QAM-21350-1RB#99



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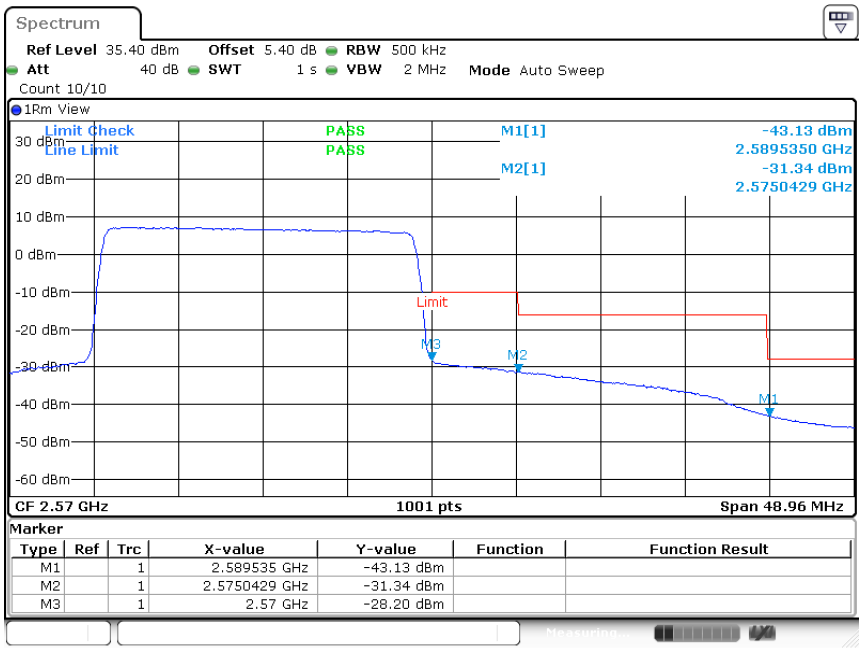

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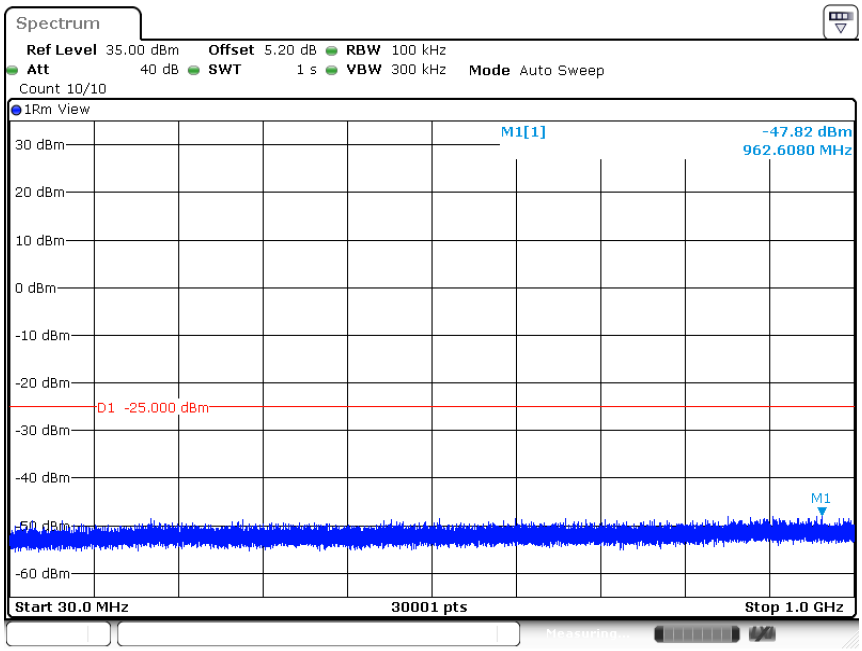
6. Spurious Emission at Antenna Terminal

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



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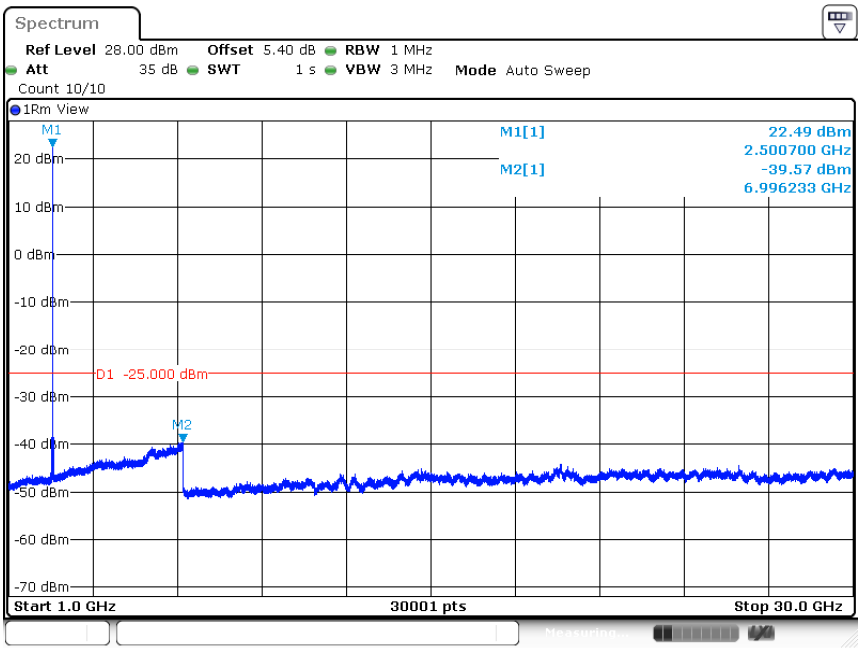
Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~30000MHz



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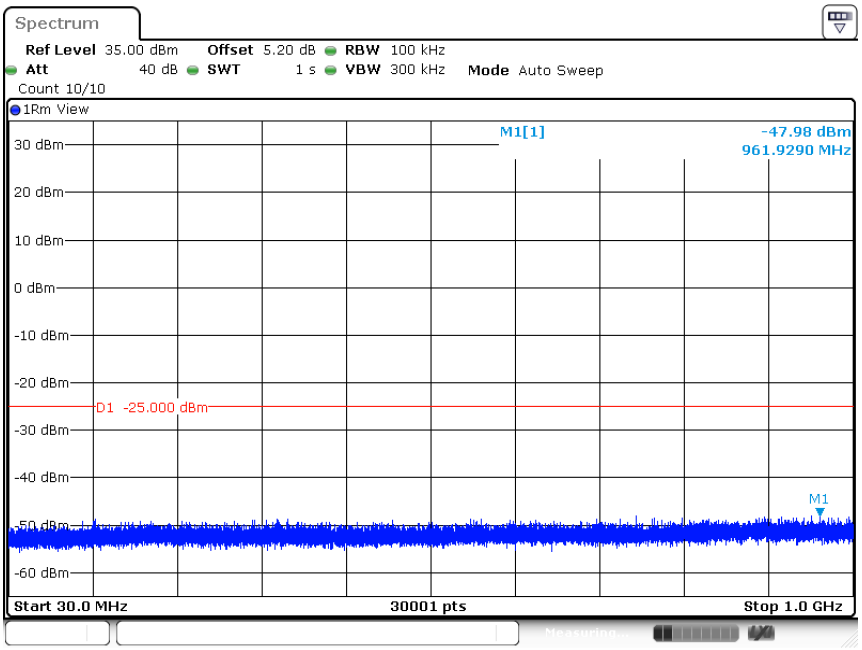
Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



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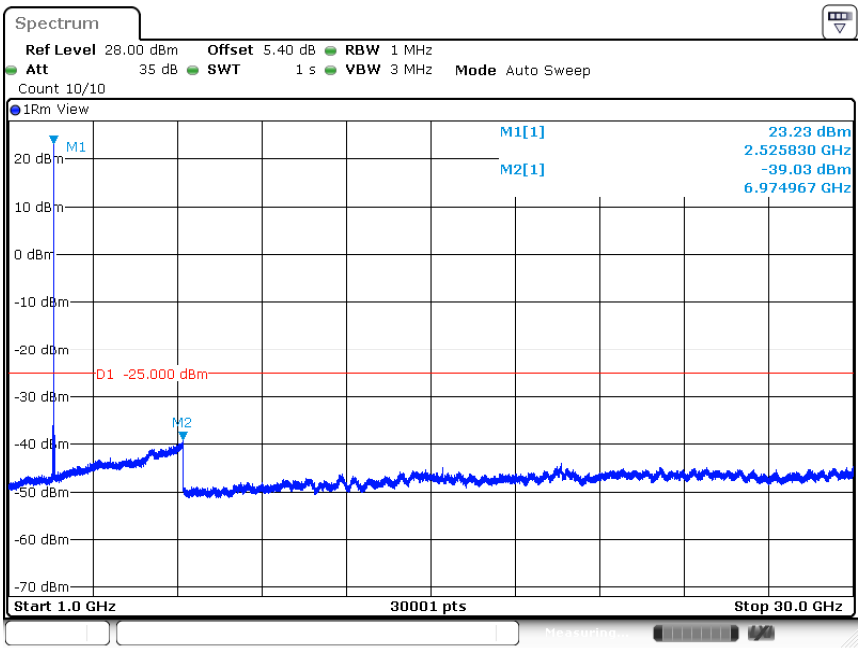

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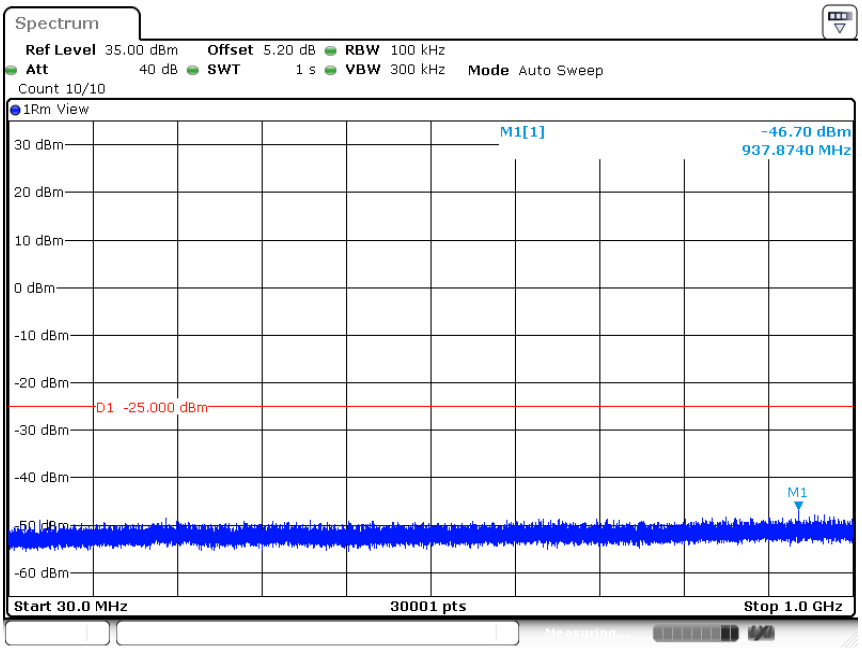
Band7-20MHz-QPSK-21350-1RB#0-Range1:30~1000MHz



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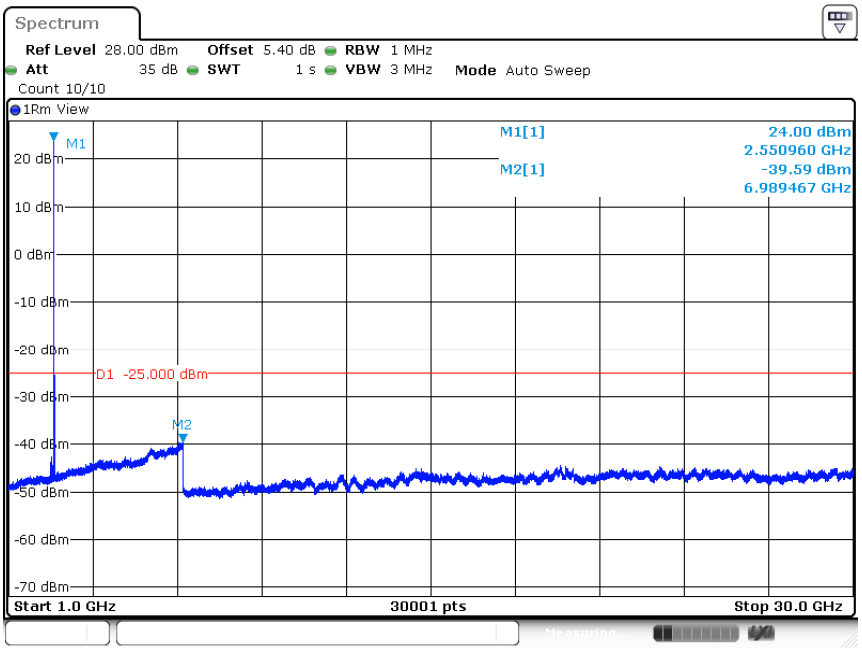
Band7-20MHz-QPSK-21350-1RB#0-Range2:1000~30000MHz



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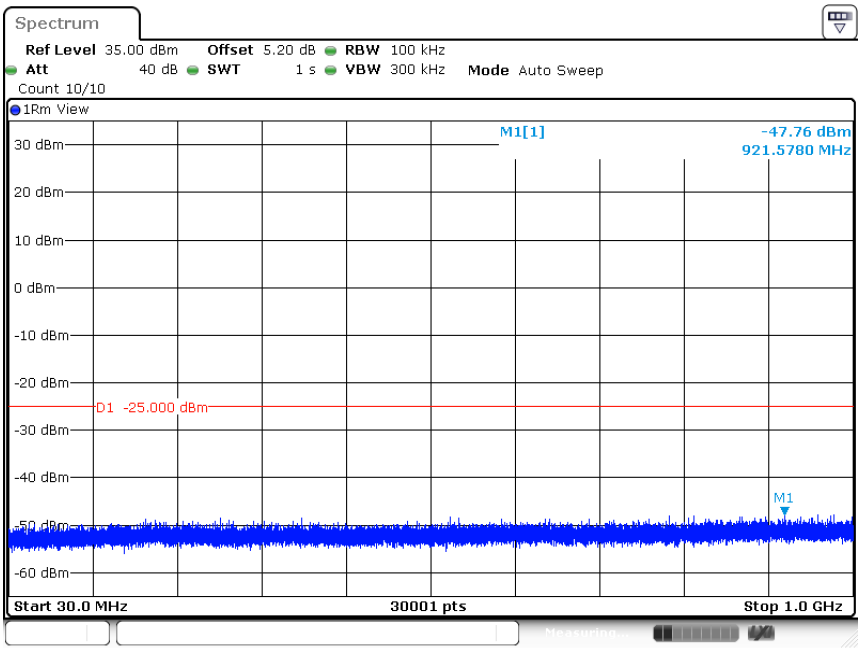

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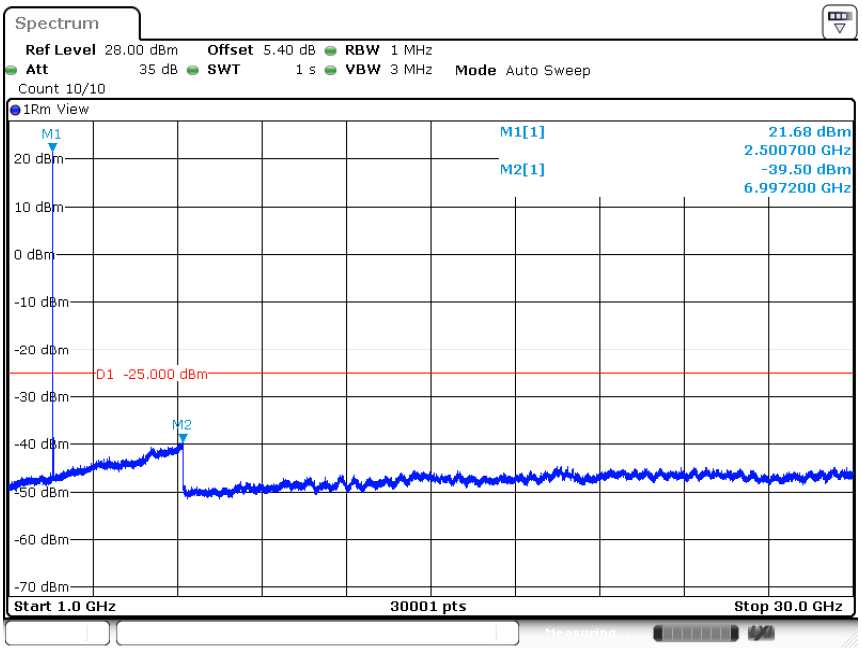

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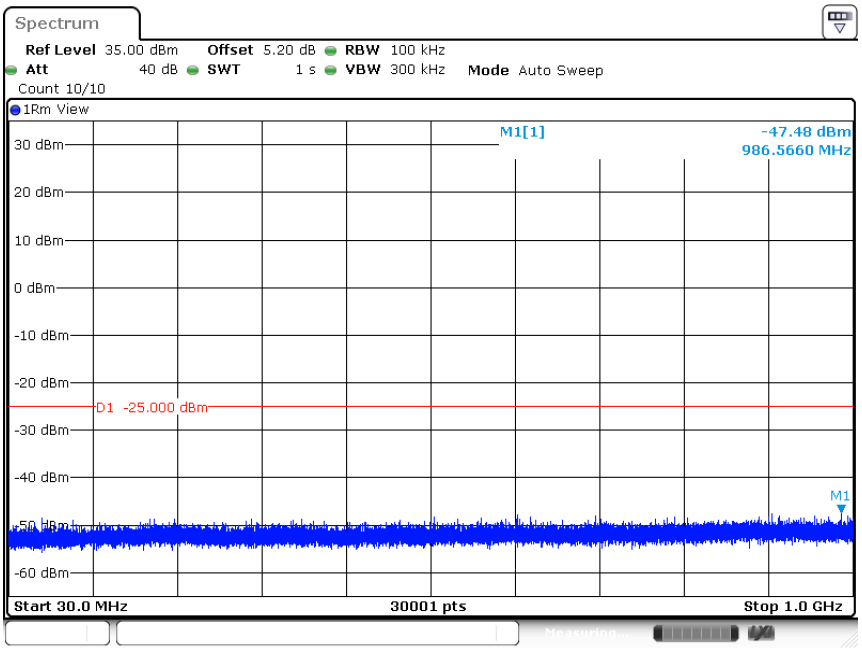
Band7-20MHz-64QAM-21100-1RB#0-Range1:30~1000MHz



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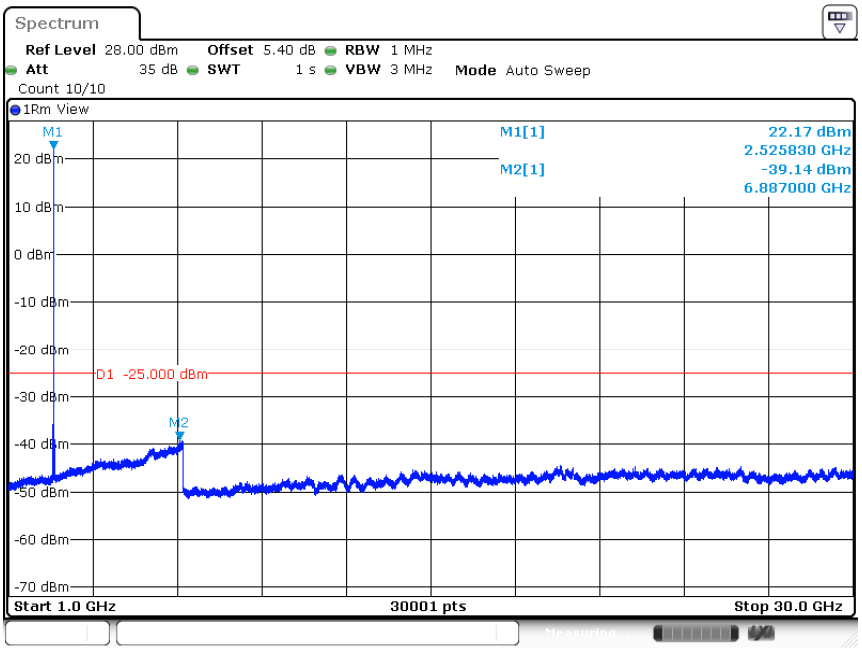

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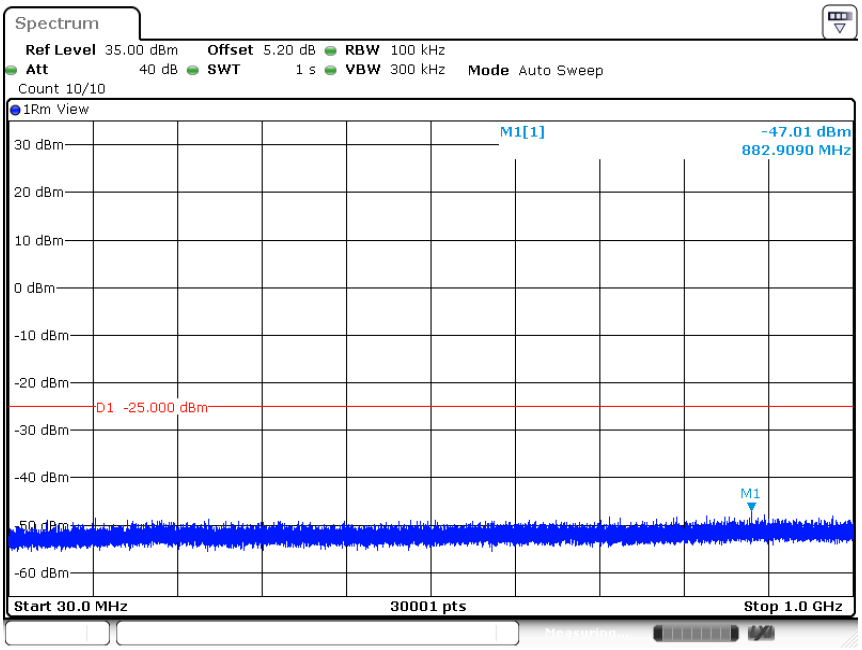

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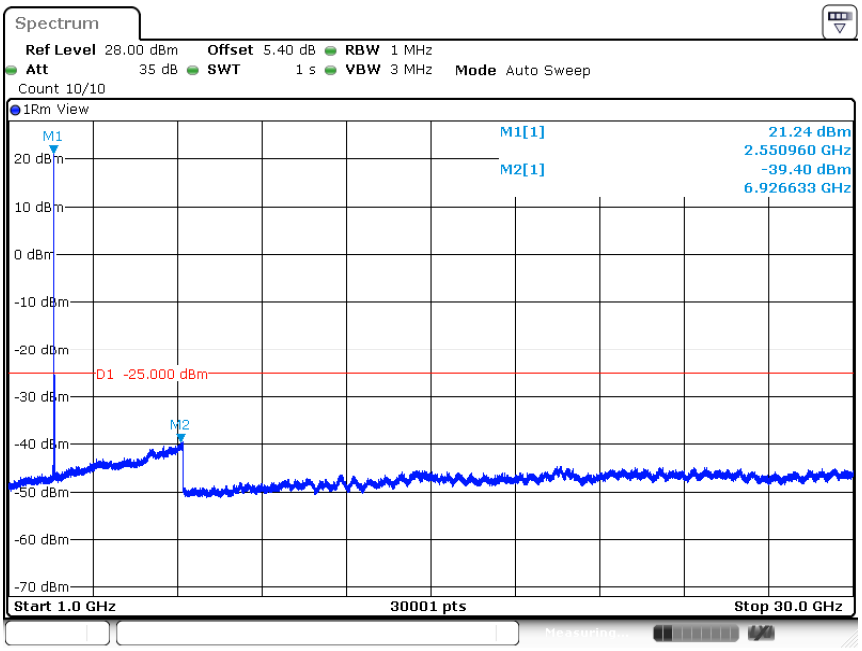
Band7-20MHz-64QAM-21350-1RB#0-Range2:1000~30000MHz



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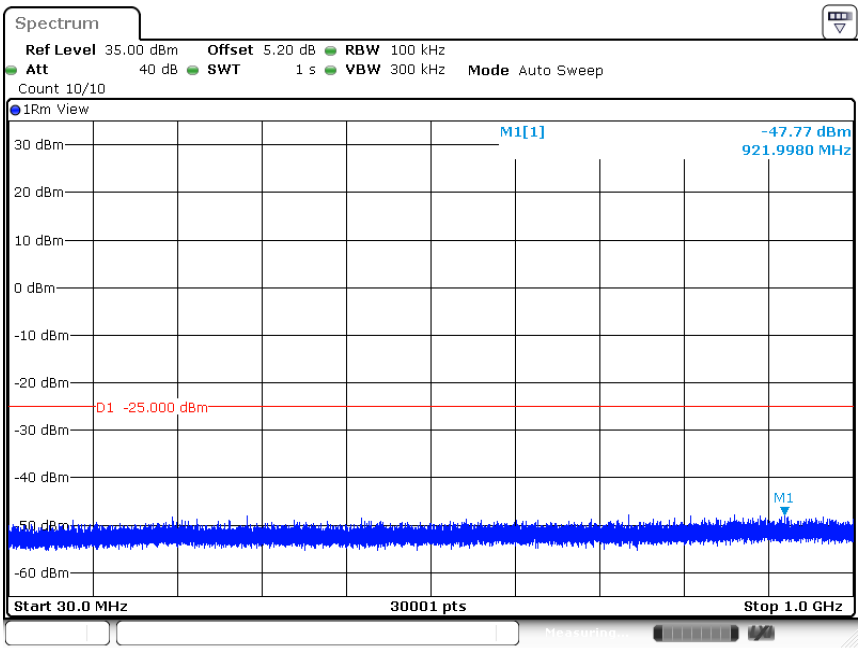

Date: 14.AUG.2020 23:37:15

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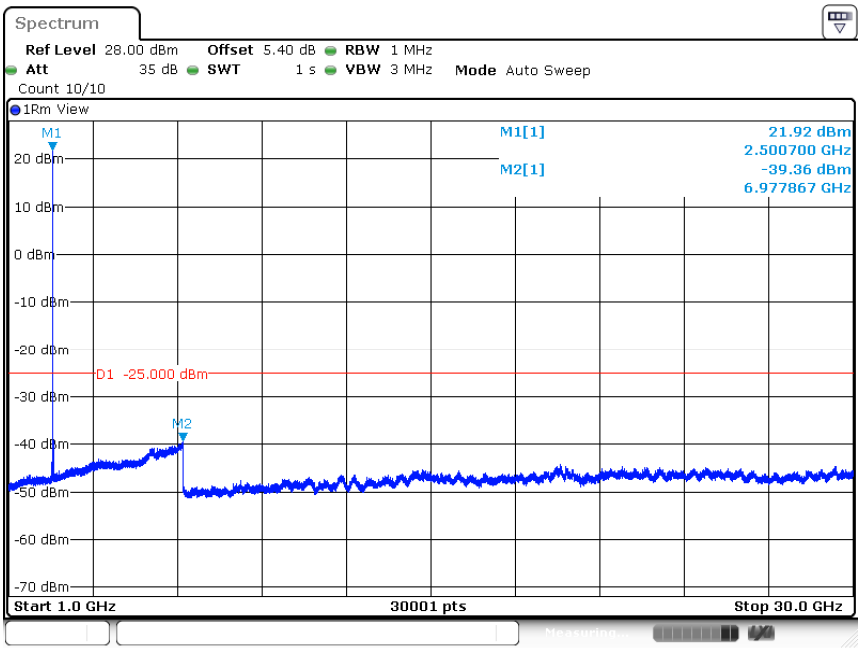
Band7-20MHz-16QAM-20850-1RB#0-Range2:1000~30000MHz



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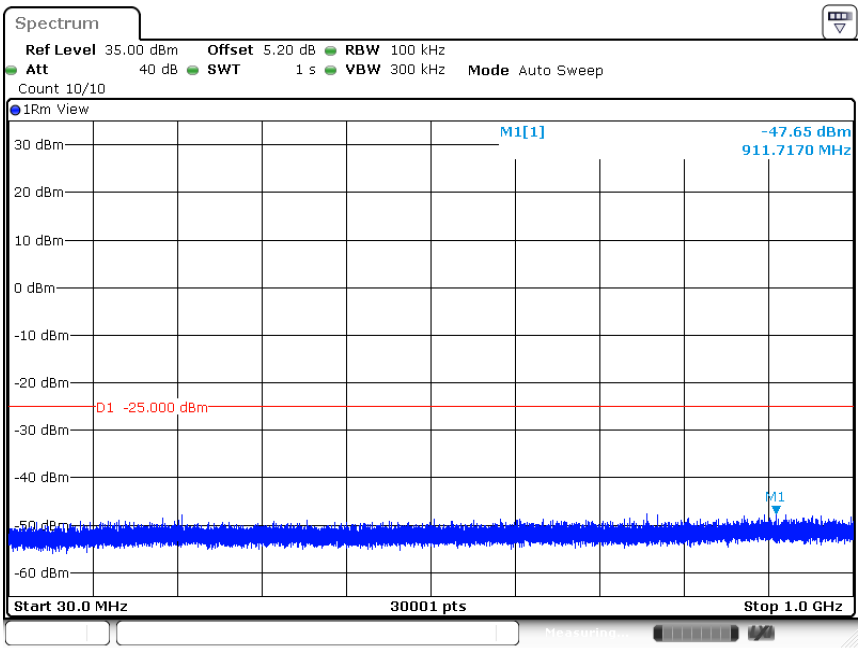
Band7-20MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



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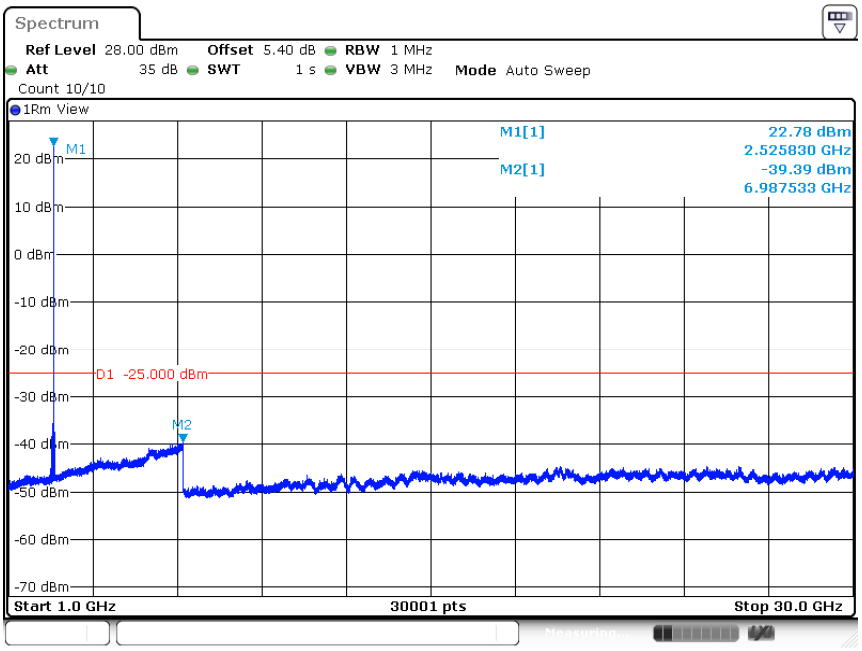

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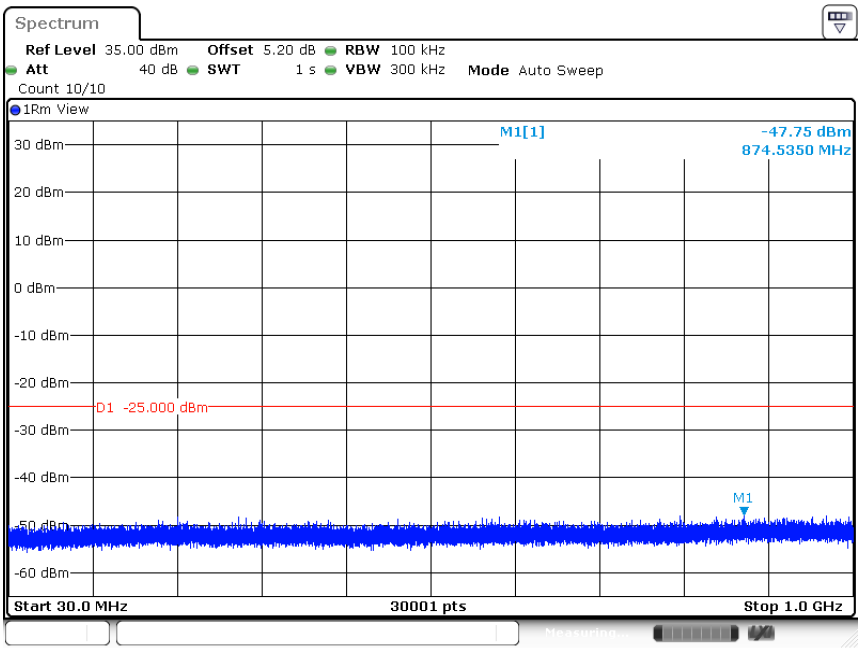

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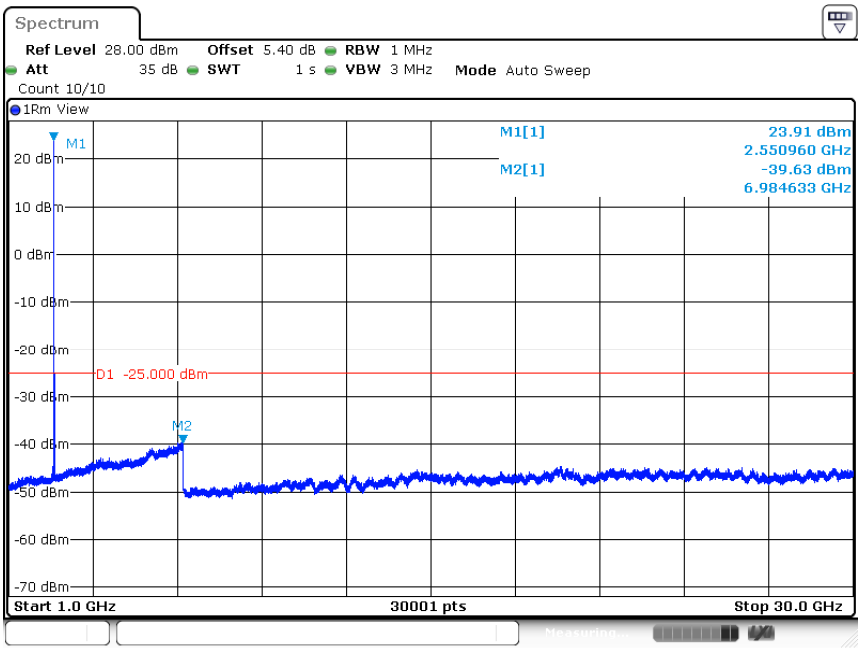

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7. Field Strength of Spurious Radiation

7.1. Test Band = LTE Band 7

7.1.1. Test Mode =LTE/TM1 20MHz(Up Antenna)

7.1.2. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.6435	-72.11	-25.00	47.11	Vertical
110.0775	-65.36	-25.00	40.36	Vertical
456.2393	-67.99	-25.00	42.99	Vertical
5002.2801	-57.41	-25.00	32.41	Vertical
10549.5020	-53.63	-25.00	28.63	Vertical
17993.9998	-42.66	-25.00	17.66	Vertical
40.8645	-64.66	-25.00	39.66	Horizontal
83.1587	-75.23	-25.00	50.23	Horizontal
245.9813	-69.52	-25.00	44.52	Horizontal
5002.2801	-59.65	-25.00	34.65	Horizontal
10593.9038	-54.55	-25.00	29.55	Horizontal
16393.1357	-46.06	-25.00	21.06	Horizontal

7.1.3. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
53.7662	-72.96	-25.00	47.96	Vertical
112.5996	-66.17	-25.00	41.17	Vertical
590.0575	-65.85	-25.00	40.85	Vertical
5052.0821	-57.27	-25.00	32.27	Vertical
11130.3252	-53.82	-25.00	28.82	Vertical
17999.4000	-43.28	-25.00	18.28	Vertical
43.1927	-64.73	-25.00	39.73	Horizontal
109.4470	-76.83	-25.00	51.83	Horizontal
242.6346	-68.68	-25.00	43.68	Horizontal
5052.0821	-57.38	-25.00	32.38	Horizontal
9296.0518	-55.05	-25.00	30.05	Horizontal
16396.7359	-46.05	-25.00	21.05	Horizontal

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7.1.4.Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
112.8906	-65.77	-25.00	40.77	Vertical
712.3321	-63.71	-25.00	38.71	Vertical
1700.5401	-45.44	-25.00	20.44	Vertical
5101.8841	-58.49	-25.00	33.49	Vertical
14472.4589	-50.15	-25.00	25.15	Vertical
17997.5999	-42.64	-25.00	17.64	Vertical
44.6477	-65.38	-25.00	40.38	Horizontal
239.0455	-68.88	-25.00	43.88	Horizontal
1795.3591	-44.56	-25.00	19.56	Horizontal
5101.8841	-59.35	-25.00	34.35	Horizontal
12880.5952	-52.13	-25.00	27.13	Horizontal
16388.9356	-46.46	-25.00	21.46	Horizontal

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

7.2.1.Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
116.4313	-65.90	-25.00	40.90	Vertical
624.6397	-65.04	-25.00	40.04	Vertical
1726.5453	-45.48	-25.00	20.48	Vertical
5002.2801	-52.65	-25.00	27.65	Vertical
14492.8597	-49.94	-25.00	24.94	Vertical
17997.5999	-42.43	-25.00	17.43	Vertical
46.4908	-64.65	-25.00	39.65	Horizontal
238.0754	-69.28	-25.00	44.28	Horizontal
1765.7532	-45.50	-25.00	20.50	Horizontal
5002.2801	-57.17	-25.00	32.17	Horizontal
12807.3923	-53.51	-25.00	28.51	Horizontal
17290.1716	-47.25	-25.00	22.25	Horizontal

7.2.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
107.8949	-66.23	-25.00	41.23	Vertical
589.1845	-65.71	-25.00	40.71	Vertical
1608.5217	-46.04	-25.00	21.04	Vertical
5052.0821	-54.61	-25.00	29.61	Vertical
14495.8598	-49.92	-25.00	24.92	Vertical
17993.9998	-42.18	-25.00	17.18	Vertical
43.2897	-65.12	-25.00	40.12	Horizontal
233.5647	-68.41	-25.00	43.41	Horizontal
1894.5789	-41.95	-25.00	16.95	Horizontal
5052.0821	-55.43	-25.00	30.43	Horizontal
12866.1946	-52.44	-25.00	27.44	Horizontal
16396.7359	-46.27	-25.00	21.27	Horizontal

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7.2.3.Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
108.6709	-66.60	-25.00	41.60	Vertical
625.3188	-65.10	-25.00	40.10	Vertical
1692.9386	-45.39	-25.00	20.39	Vertical
5102.4841	-56.48	-25.00	31.48	Vertical
14482.6593	-50.20	-25.00	25.20	Vertical
17996.9999	-42.41	-25.00	17.41	Vertical
43.4352	-64.90	-25.00	39.90	Horizontal
229.9270	-69.17	-25.00	44.17	Horizontal
1623.3247	-46.14	-25.00	21.14	Horizontal
5101.8841	-59.49	-25.00	34.49	Horizontal
12923.7970	-51.96	-25.00	26.96	Horizontal
16401.5361	-46.41	-25.00	21.41	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	2.10	0.000837	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	1.30	0.000518	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	6.30	0.002510	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-0.70	-0.000276	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-1.30	-0.000513	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	0.50	0.000197	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	-0.50	-0.000195	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-1.00	-0.000391	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	1.00	0.000391	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VL	NT	5.20	0.002072	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VN	NT	3.80	0.001514	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VH	NT	1.90	0.000757	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VL	NT	-1.40	-0.000552	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VN	NT	-1.40	-0.000552	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VH	NT	-1.10	-0.000434	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VL	NT	0.40	0.000156	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VN	NT	2.70	0.001055	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VH	NT	0.90	0.000352	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	2.10	0.000837	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	2.70	0.001076	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	1.90	0.000757	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-2.50	-0.000986	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-1.70	-0.000671	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-4.10	-0.001617	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	1.60	0.000625	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	2.30	0.000898	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	-0.80	-0.000313	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict

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Band7	20MHz	QPSK	20850	100RB#0	NV	-30	2.80	0.001116	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	3.00	0.001195	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	1.80	0.000717	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	4.60	0.001833	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	2.00	0.000797	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	0.90	0.000359	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	4.30	0.001713	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	3.90	0.001554	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-3.00	-0.001183	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-1.30	-0.000513	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-3.10	-0.001223	±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	-1.10	-0.000434	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-0.30	-0.000118	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-3.80	-0.001499	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-3.10	-0.001223	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	3.30	0.001289	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	0.00	0.000000	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	1.10	0.000430	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-0.60	-0.000234	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	2.60	0.001016	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	2.50	0.000977	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	1.10	0.000430	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	1.60	0.000625	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-30	2.60	0.001036	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-20	6.10	0.002430	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	0	1.30	0.000518	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	10	1.70	0.000677	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	20	4.10	0.001633	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	30	1.70	0.000677	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	40	1.00	0.000398	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	50	2.50	0.000996	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-30	-4.10	-0.001617	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-20	0.20	0.000079	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	0	1.40	0.000552	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	10	-1.60	-0.000631	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	20	-2.30	-0.000907	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	30	0.30	0.000118	±2.5	PASS

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Band7	20MHz	64QAM	21100	100RB#0	NV	40	-1.10	-0.000434	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	50	-0.10	-0.000039	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-30	2.00	0.000781	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-20	2.70	0.001055	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	0	2.80	0.001094	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	10	3.10	0.001211	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	20	3.80	0.001484	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	30	1.10	0.000430	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	40	1.20	0.000469	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	50	0.70	0.000273	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	0.40	0.000159	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	0.80	0.000319	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	4.30	0.001713	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	3.80	0.001514	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	2.60	0.001036	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	30	3.90	0.001554	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	1.80	0.000717	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	3.70	0.001474	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	0.10	0.000039	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-4.20	-0.001657	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-1.20	-0.000473	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-0.20	-0.000079	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-2.70	-0.001065	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	-3.50	-0.001381	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	-2.30	-0.000907	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	-2.80	-0.001105	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	-0.70	-0.000273	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	0.70	0.000273	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	1.80	0.000703	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	-1.30	-0.000508	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	-1.20	-0.000469	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	-0.10	-0.000039	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	2.20	0.000859	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	1.30	0.000508	±2.5	PASS

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