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#12	23.5	18.85	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.74	19.09	33	PASS
Band7	5MHz	QPSK	20775	1RB#0	23.54	18.89	33	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.67	18.02	33	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.79	18.14	33	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.66	18.01	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.69	18.04	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.66	19.01	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.69	19.04	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.63	18.98	33	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.76	18.11	33	PASS
Band7	5MHz	QPSK	21100	12RB#13	22.83	18.18	33	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.65	18	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.77	18.12	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.63	18.98	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.74	19.09	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.51	18.86	33	PASS
Band7	5MHz	QPSK	21425	12RB#13	22.79	18.14	33	PASS
Band7	5MHz	QPSK	21425	12RB#0	22.87	18.22	33	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.8	18.15	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.76	18.11	33	PASS
Band7	5MHz	64QAM	20775	1RB#24	21.62	16.97	33	PASS
Band7	5MHz	64QAM	20775	1RB#12	21.51	16.86	33	PASS
Band7	5MHz	64QAM	20775	1RB#0	21.48	16.83	33	PASS
Band7	5MHz	64QAM	20775	12RB#6	20.67	16.02	33	PASS
Band7	5MHz	64QAM	20775	12RB#0	20.77	16.12	33	PASS
Band7	5MHz	64QAM	20775	12RB#13	20.52	15.87	33	PASS

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Band7	5MHz	64QAM	20775	25RB#0	20.46	15.81	33	PASS
Band7	5MHz	64QAM	21100	1RB#0	21.65	17	33	PASS
Band7	5MHz	64QAM	21100	1RB#12	21.32	16.67	33	PASS
Band7	5MHz	64QAM	21100	1RB#24	21.45	16.8	33	PASS
Band7	5MHz	64QAM	21100	12RB#13	20.58	15.93	33	PASS
Band7	5MHz	64QAM	21100	12RB#0	20.77	16.12	33	PASS
Band7	5MHz	64QAM	21100	12RB#6	20.37	15.72	33	PASS
Band7	5MHz	64QAM	21100	25RB#0	20.5	15.85	33	PASS
Band7	5MHz	64QAM	21425	1RB#0	21.68	17.03	33	PASS
Band7	5MHz	64QAM	21425	1RB#12	21.49	16.84	33	PASS
Band7	5MHz	64QAM	21425	1RB#24	21.48	16.83	33	PASS
Band7	5MHz	64QAM	21425	12RB#13	20.59	15.94	33	PASS
Band7	5MHz	64QAM	21425	12RB#0	20.78	16.13	33	PASS
Band7	5MHz	64QAM	21425	12RB#6	20.53	15.88	33	PASS
Band7	5MHz	64QAM	21425	25RB#0	20.57	15.92	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.84	18.19	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.73	18.08	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.58	17.93	33	PASS
Band7	5MHz	16QAM	20775	12RB#0	22.05	17.4	33	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.77	17.12	33	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.71	17.06	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.65	17	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.74	18.09	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	23.2	18.55	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.77	18.12	33	PASS
Band7	5MHz	16QAM	21100	12RB#0	22.1	17.45	33	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.88	17.23	33	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.76	17.11	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.74	17.09	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.8	18.15	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	23.08	18.43	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.96	18.31	33	PASS
Band7	5MHz	16QAM	21425	12RB#0	22.02	17.37	33	PASS

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Band7	5MHz	16QAM	21425	12RB#13	21.85	17.2	33	PASS
Band7	5MHz	16QAM	21425	12RB#6	21.72	17.07	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.68	17.03	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.72	19.07	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.77	19.12	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.58	18.93	33	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.84	18.19	33	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.73	18.08	33	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.8	18.15	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.81	18.16	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.68	19.03	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.95	19.3	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.74	19.09	33	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.82	18.17	33	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.79	18.14	33	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.75	18.1	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.86	18.21	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.79	19.14	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.94	19.29	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.77	19.12	33	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.79	18.14	33	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.91	18.26	33	PASS
Band7	10MHz	QPSK	21400	25RB#12	22.94	18.29	33	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.87	18.22	33	PASS
Band7	10MHz	64QAM	20800	1RB#49	21.62	16.97	33	PASS
Band7	10MHz	64QAM	20800	1RB#24	21.5	16.85	33	PASS
Band7	10MHz	64QAM	20800	1RB#0	21.46	16.81	33	PASS
Band7	10MHz	64QAM	20800	25RB#0	20.63	15.98	33	PASS
Band7	10MHz	64QAM	20800	25RB#12	20.76	16.11	33	PASS
Band7	10MHz	64QAM	20800	25RB#25	20.54	15.89	33	PASS
Band7	10MHz	64QAM	20800	50RB#0	20.49	15.84	33	PASS
Band7	10MHz	64QAM	21100	1RB#49	21.67	17.02	33	PASS
Band7	10MHz	64QAM	21100	1RB#0	21.58	16.93	33	PASS

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Band7	10MHz	64QAM	21100	1RB#24	21.42	16.77	33	PASS
Band7	10MHz	64QAM	21100	25RB#0	20.61	15.96	33	PASS
Band7	10MHz	64QAM	21100	25RB#25	20.76	16.11	33	PASS
Band7	10MHz	64QAM	21100	25RB#12	20.37	15.72	33	PASS
Band7	10MHz	64QAM	21100	50RB#0	20.52	15.87	33	PASS
Band7	10MHz	64QAM	21400	1RB#49	21.65	17	33	PASS
Band7	10MHz	64QAM	21400	1RB#24	21.46	16.81	33	PASS
Band7	10MHz	64QAM	21400	1RB#0	21.48	16.83	33	PASS
Band7	10MHz	64QAM	21400	25RB#25	20.58	15.93	33	PASS
Band7	10MHz	64QAM	21400	25RB#12	20.79	16.14	33	PASS
Band7	10MHz	64QAM	21400	25RB#0	20.51	15.86	33	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.54	15.89	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.76	18.11	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.78	18.13	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.84	18.19	33	PASS
Band7	10MHz	16QAM	20800	25RB#0	22.06	17.41	33	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.76	17.11	33	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.9	17.25	33	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.84	17.19	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.8	18.15	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.97	18.32	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.84	18.19	33	PASS
Band7	10MHz	16QAM	21100	25RB#25	22.06	17.41	33	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.85	17.2	33	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.79	17.14	33	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.81	17.16	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.56	17.91	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.92	18.27	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	23.11	18.46	33	PASS
Band7	10MHz	16QAM	21400	25RB#0	22.08	17.43	33	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.84	17.19	33	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.79	17.14	33	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.94	17.29	33	PASS

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Band7	15MHz	QPSK	20825	1RB#74	23.6	18.95	33	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.63	18.98	33	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.72	19.07	33	PASS
Band7	15MHz	QPSK	20825	36RB#0	22.72	18.07	33	PASS
Band7	15MHz	QPSK	20825	36RB#39	22.82	18.17	33	PASS
Band7	15MHz	QPSK	20825	36RB#18	22.83	18.18	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.72	18.07	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.65	19	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.72	19.07	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.72	19.07	33	PASS
Band7	15MHz	QPSK	21100	36RB#0	22.72	18.07	33	PASS
Band7	15MHz	QPSK	21100	36RB#18	22.79	18.14	33	PASS
Band7	15MHz	QPSK	21100	36RB#39	22.83	18.18	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.77	18.12	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.65	19	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.87	19.22	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.72	19.07	33	PASS
Band7	15MHz	QPSK	21375	36RB#18	22.7	18.05	33	PASS
Band7	15MHz	QPSK	21375	36RB#39	22.83	18.18	33	PASS
Band7	15MHz	QPSK	21375	36RB#0	22.86	18.21	33	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.77	18.12	33	PASS
Band7	15MHz	64QAM	20825	1RB#74	21.76	17.11	33	PASS
Band7	15MHz	64QAM	20825	1RB#38	21.61	16.96	33	PASS
Band7	15MHz	64QAM	20825	1RB#0	21.58	16.93	33	PASS
Band7	15MHz	64QAM	20825	36RB#18	20.78	16.13	33	PASS
Band7	15MHz	64QAM	20825	36RB#0	20.89	16.24	33	PASS
Band7	15MHz	64QAM	20825	36RB#39	20.65	16	33	PASS
Band7	15MHz	64QAM	20825	75RB#0	20.61	15.96	33	PASS
Band7	15MHz	64QAM	21100	1RB#38	21.78	17.13	33	PASS
Band7	15MHz	64QAM	21100	1RB#0	21.43	16.78	33	PASS
Band7	15MHz	64QAM	21100	1RB#74	21.55	16.9	33	PASS
Band7	15MHz	64QAM	21100	36RB#39	20.72	16.07	33	PASS
Band7	15MHz	64QAM	21100	36RB#18	20.88	16.23	33	PASS

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Band7	15MHz	64QAM	21100	36RB#0	20.48	15.83	33	PASS
Band7	15MHz	64QAM	21100	75RB#0	20.62	15.97	33	PASS
Band7	15MHz	64QAM	21375	1RB#74	21.8	17.15	33	PASS
Band7	15MHz	64QAM	21375	1RB#38	21.61	16.96	33	PASS
Band7	15MHz	64QAM	21375	1RB#0	21.61	16.96	33	PASS
Band7	15MHz	64QAM	21375	36RB#39	20.73	16.08	33	PASS
Band7	15MHz	64QAM	21375	36RB#18	20.91	16.26	33	PASS
Band7	15MHz	64QAM	21375	36RB#0	20.65	16	33	PASS
Band7	15MHz	64QAM	21375	75RB#0	20.68	16.03	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.97	18.32	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	23	18.35	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.64	17.99	33	PASS
Band7	15MHz	16QAM	20825	36RB#18	22.07	17.42	33	PASS
Band7	15MHz	16QAM	20825	36RB#39	21.8	17.15	33	PASS
Band7	15MHz	16QAM	20825	36RB#0	21.89	17.24	33	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.79	17.14	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.64	17.99	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.84	18.19	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	23.05	18.4	33	PASS
Band7	15MHz	16QAM	21100	36RB#0	22.06	17.41	33	PASS
Band7	15MHz	16QAM	21100	36RB#39	21.77	17.12	33	PASS
Band7	15MHz	16QAM	21100	36RB#18	21.89	17.24	33	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.8	17.15	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.87	18.22	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	23.02	18.37	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.87	18.22	33	PASS
Band7	15MHz	16QAM	21375	36RB#0	22.03	17.38	33	PASS
Band7	15MHz	16QAM	21375	36RB#39	21.82	17.17	33	PASS
Band7	15MHz	16QAM	21375	36RB#18	21.85	17.2	33	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.79	17.14	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.53	18.88	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.71	19.06	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.62	18.97	33	PASS

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Band7	20MHz	QPSK	20850	50RB#0	22.69	18.04	33	PASS
Band7	20MHz	QPSK	20850	50RB#25	22.78	18.13	33	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.88	18.23	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.75	18.1	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.33	18.68	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.69	19.04	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.64	18.99	33	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.75	18.1	33	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.69	18.04	33	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.68	18.03	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.75	18.1	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.54	18.89	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.82	19.17	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.59	18.94	33	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.66	18.01	33	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.84	18.19	33	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.8	18.15	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.8	18.15	33	PASS
Band7	20MHz	64QAM	20850	1RB#0	21.9	17.25	33	PASS
Band7	20MHz	64QAM	20850	1RB#49	21.71	17.06	33	PASS
Band7	20MHz	64QAM	20850	1RB#99	21.68	17.03	33	PASS
Band7	20MHz	64QAM	20850	50RB#0	20.92	16.27	33	PASS
Band7	20MHz	64QAM	20850	50RB#25	20.99	16.34	33	PASS
Band7	20MHz	64QAM	20850	50RB#50	20.79	16.14	33	PASS
Band7	20MHz	64QAM	20850	100RB#0	20.73	16.08	33	PASS
Band7	20MHz	64QAM	21100	1RB#0	21.93	17.28	33	PASS
Band7	20MHz	64QAM	21100	1RB#49	21.55	16.9	33	PASS
Band7	20MHz	64QAM	21100	1RB#99	21.69	17.04	33	PASS
Band7	20MHz	64QAM	21100	50RB#50	20.82	16.17	33	PASS
Band7	20MHz	64QAM	21100	50RB#0	21	16.35	33	PASS
Band7	20MHz	64QAM	21100	50RB#25	20.61	15.96	33	PASS
Band7	20MHz	64QAM	21100	100RB#0	20.75	16.1	33	PASS
Band7	20MHz	64QAM	21350	1RB#49	21.95	17.3	33	PASS

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Band7	20MHz	64QAM	21350	1RB#99	21.72	17.07	33	PASS
Band7	20MHz	64QAM	21350	1RB#0	21.74	17.09	33	PASS
Band7	20MHz	64QAM	21350	50RB#0	20.85	16.2	33	PASS
Band7	20MHz	64QAM	21350	50RB#25	21.03	16.38	33	PASS
Band7	20MHz	64QAM	21350	50RB#50	20.77	16.12	33	PASS
Band7	20MHz	64QAM	21350	100RB#0	20.81	16.16	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.45	17.8	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.92	18.27	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	23.1	18.45	33	PASS
Band7	20MHz	16QAM	20850	50RB#0	22.03	17.38	33	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.84	17.19	33	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.81	17.16	33	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.82	17.17	33	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.31	17.66	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	23.02	18.37	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.54	17.89	33	PASS
Band7	20MHz	16QAM	21100	50RB#0	22.06	17.41	33	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.7	17.05	33	PASS
Band7	20MHz	16QAM	21100	50RB#50	21.81	17.16	33	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.73	17.08	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.92	18.27	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.94	18.29	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.99	18.34	33	PASS
Band7	20MHz	16QAM	21350	50RB#0	22.05	17.4	33	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.84	17.19	33	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.87	17.22	33	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.76	17.11	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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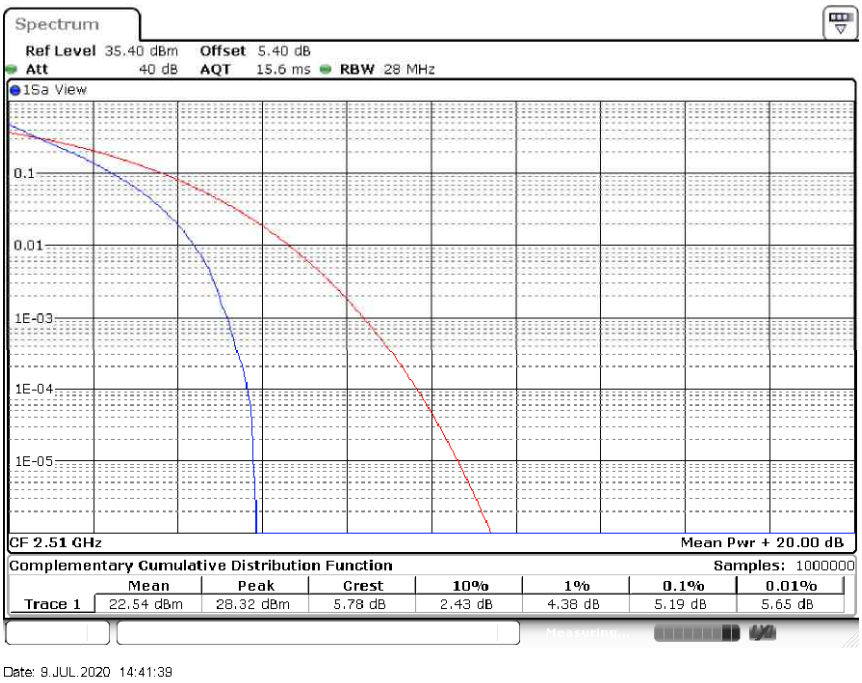
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.19	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.04	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.04	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.35	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.23	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.20	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.94	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.80	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.83	13	PASS

2.2. Test Plots

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



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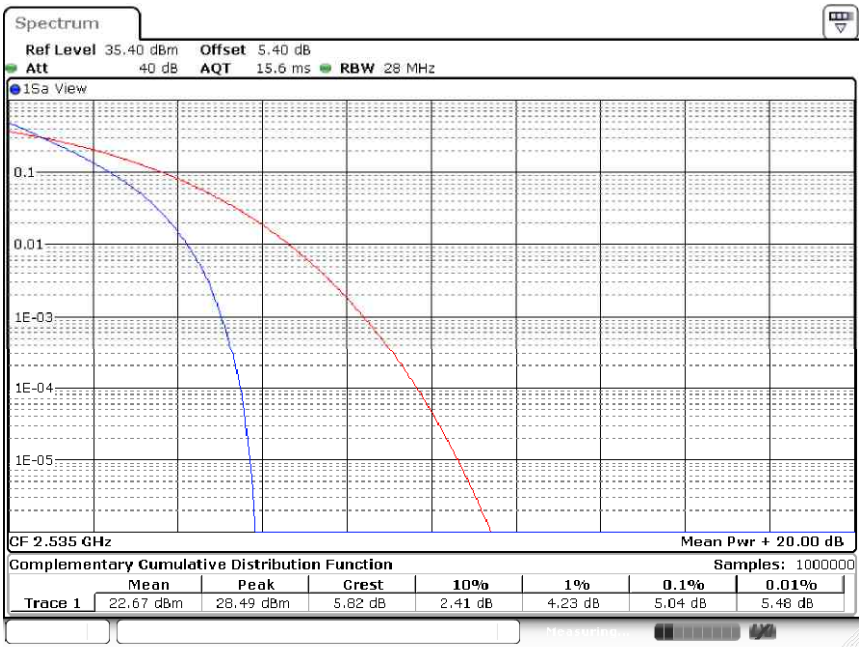

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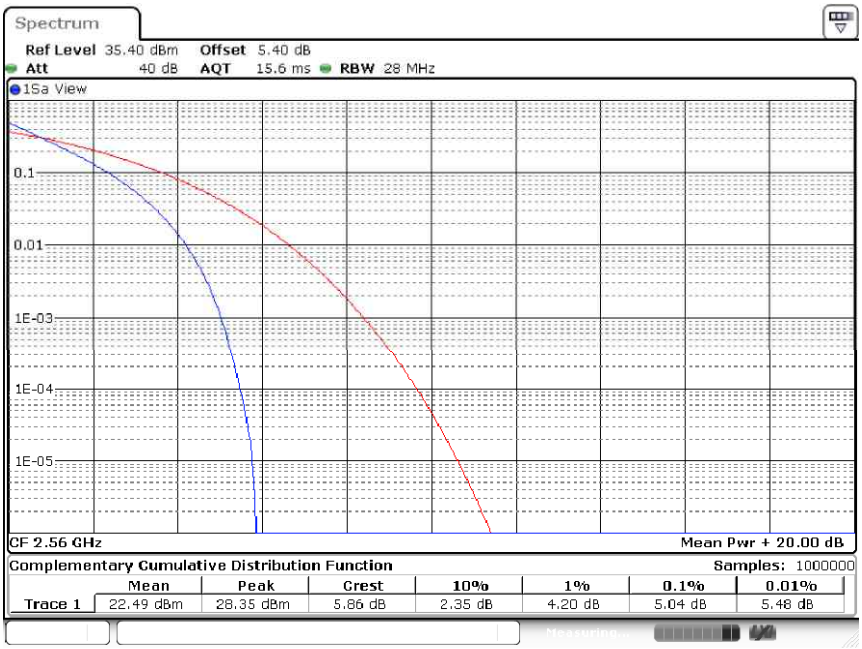
Band7-20MHz-QPSK-21350-100RB#0



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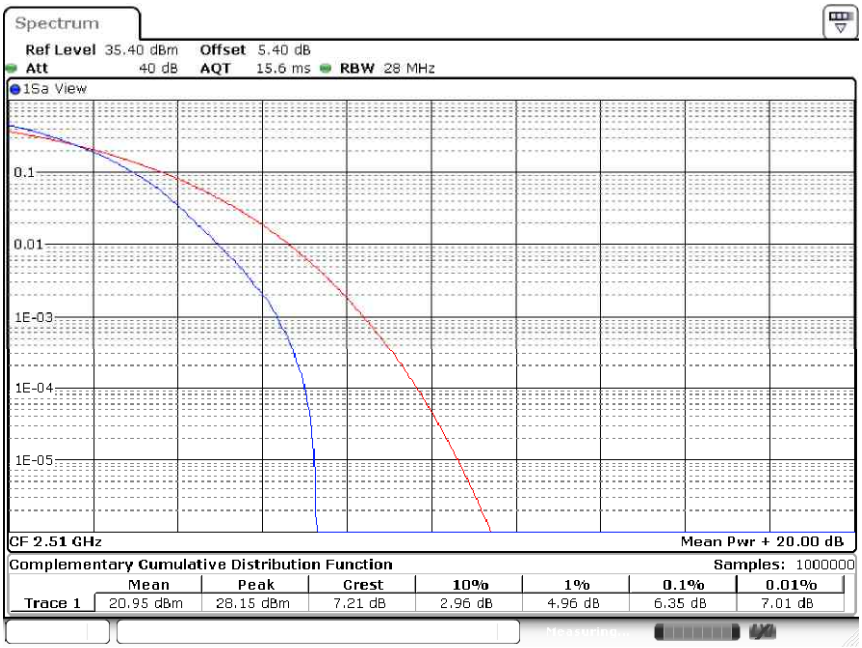
Band7-20MHz-64QAM-20850-100RB#0



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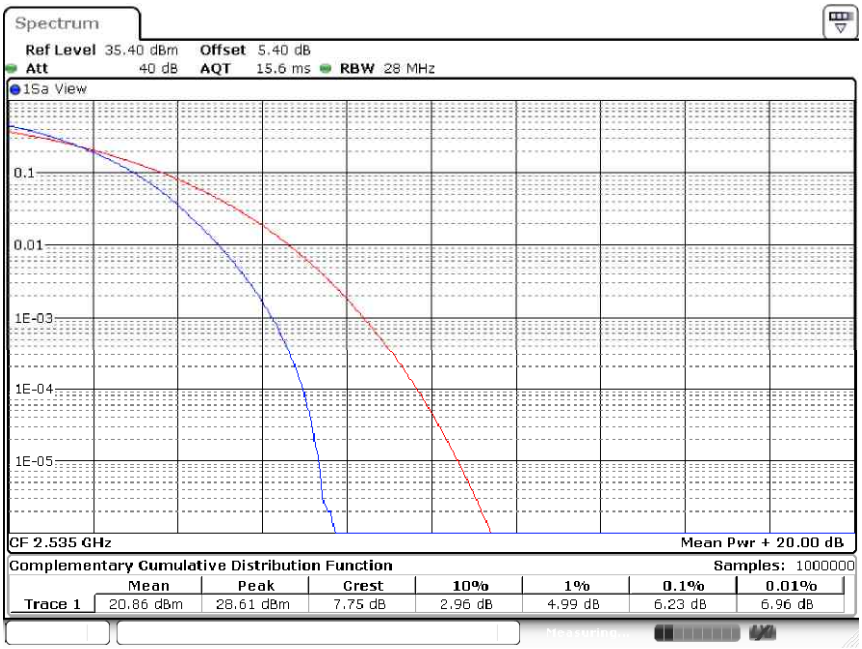
Band7-20MHz-64QAM-21100-100RB#0



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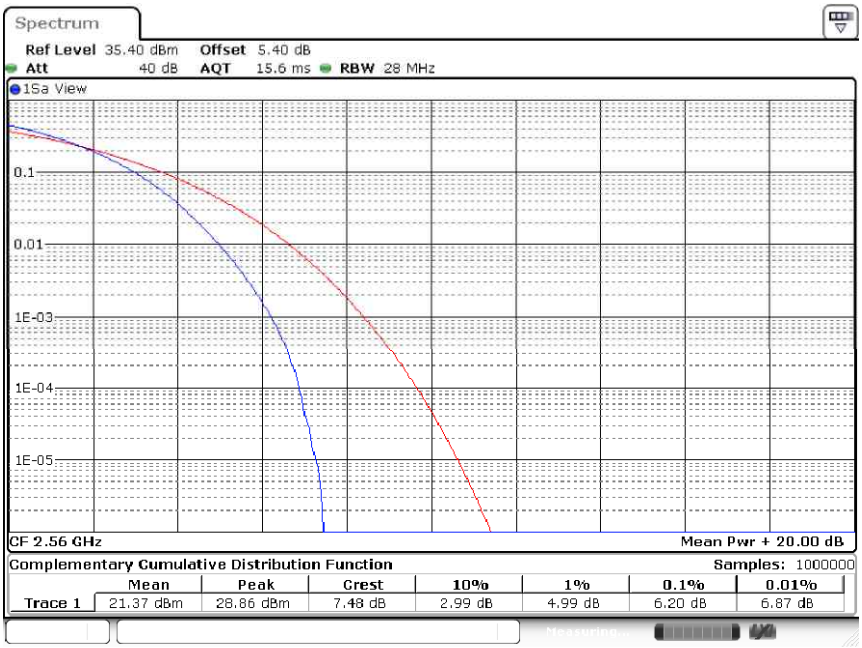
Band7-20MHz-64QAM-21350-100RB#0



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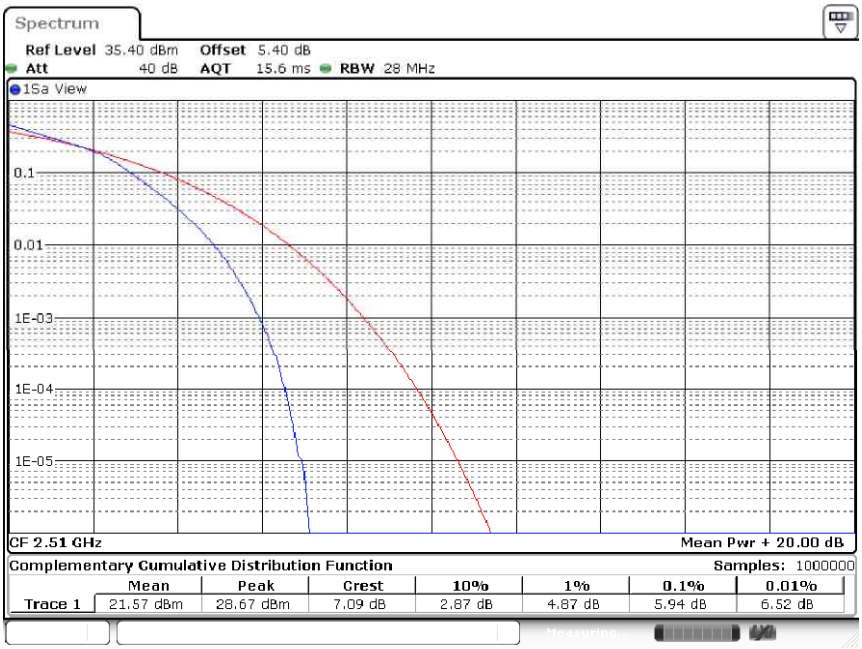

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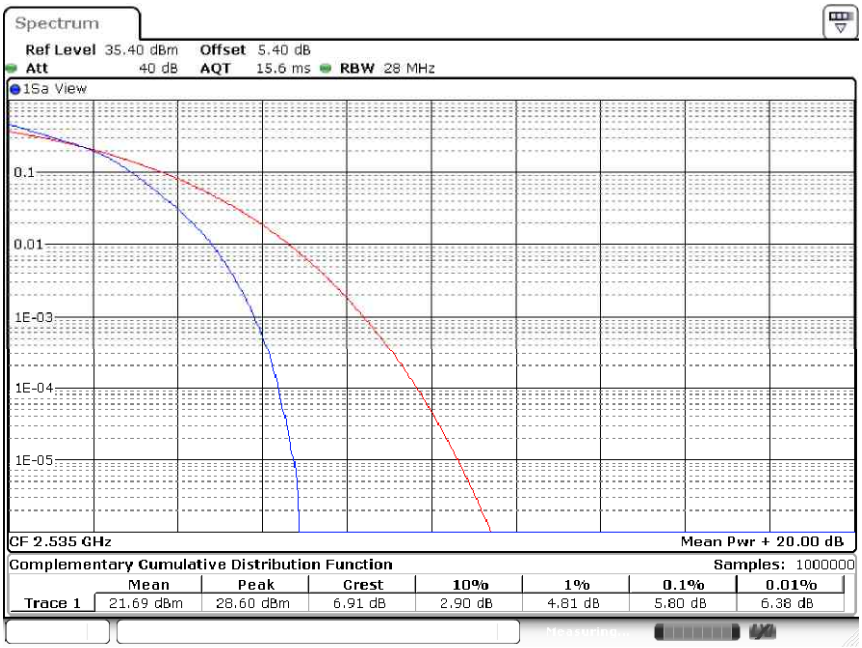
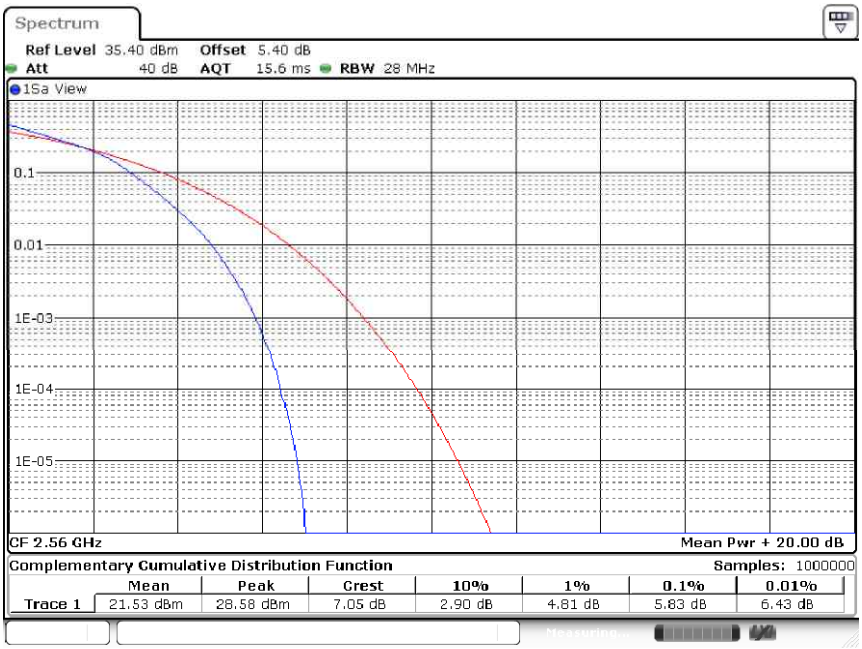
Band7-20MHz-16QAM-21100-100RB#0



Date: 9.JUL.2020 14:42:12

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



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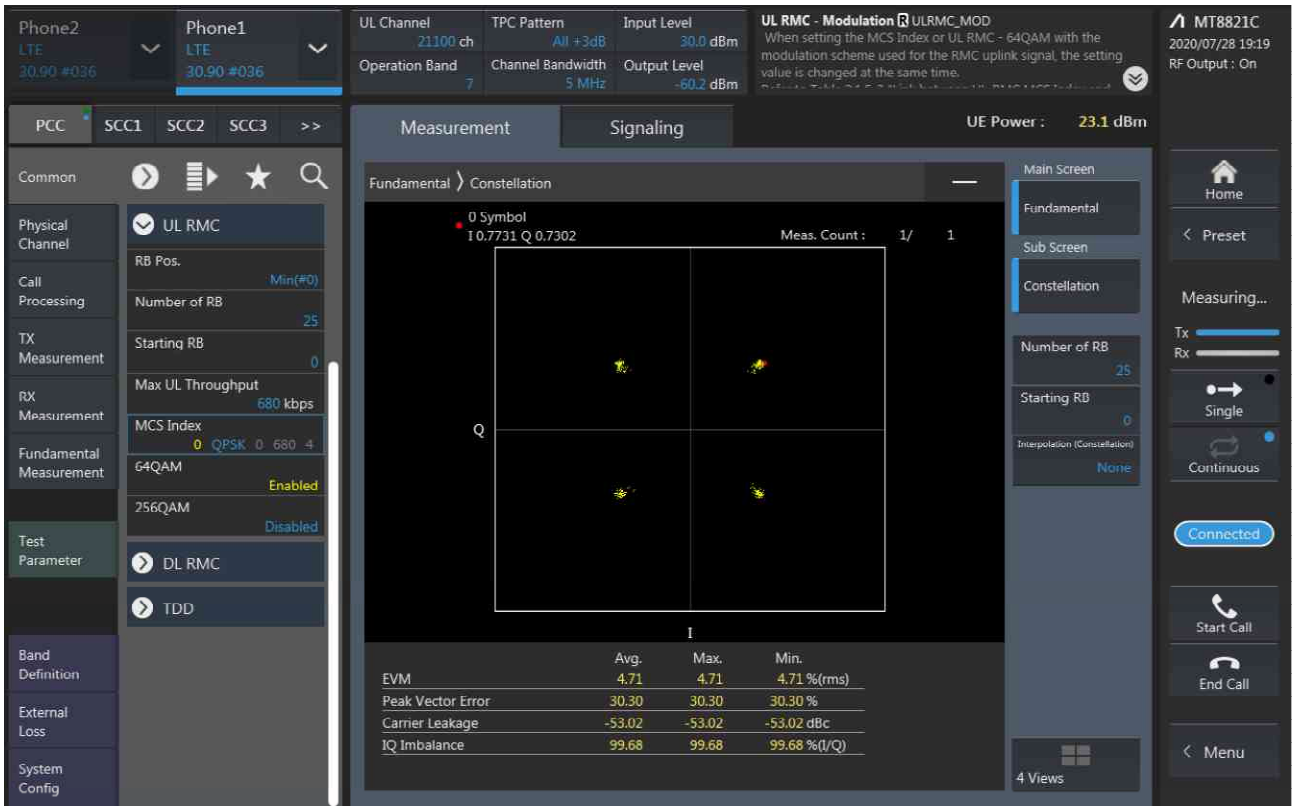
3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1.Test Channel = MCH



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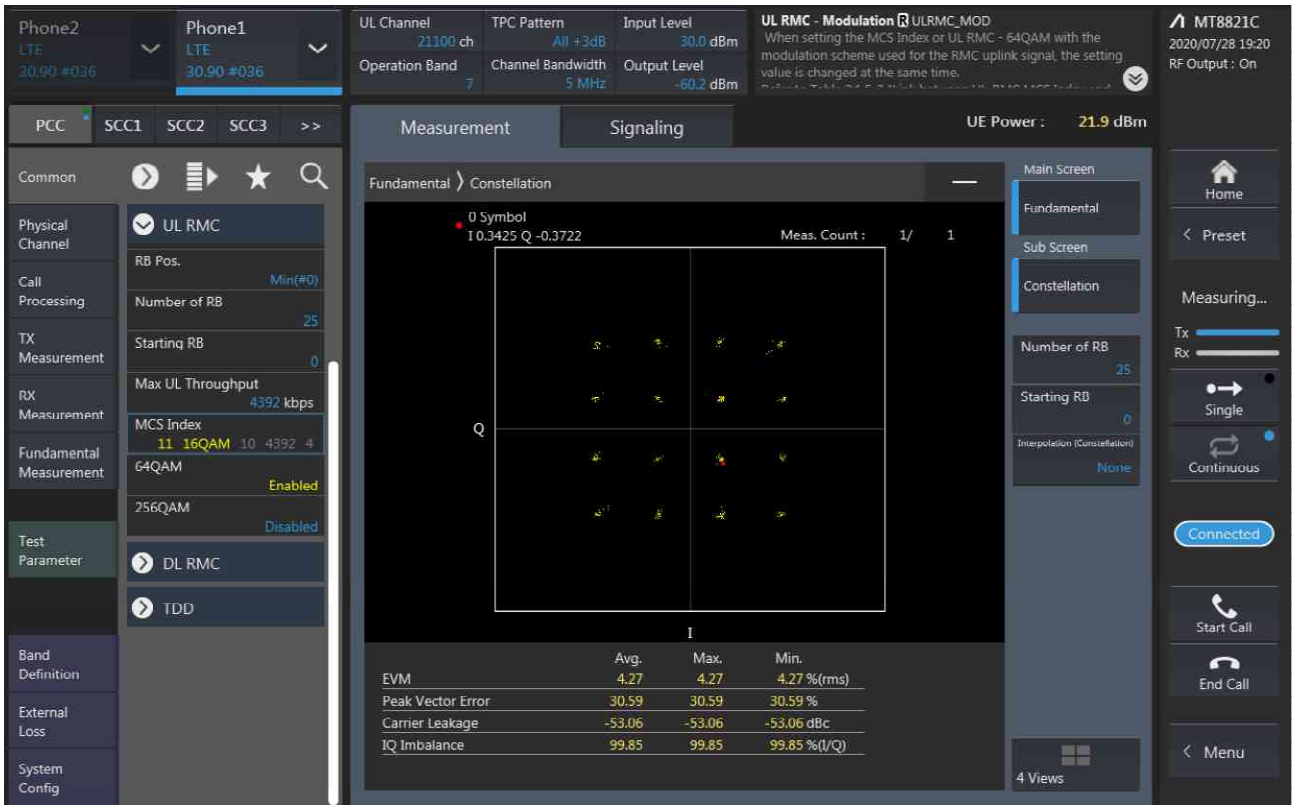
3.2. Test Mode = LTE /TM2 20MHz

3.2.1.Test Channel = MCH



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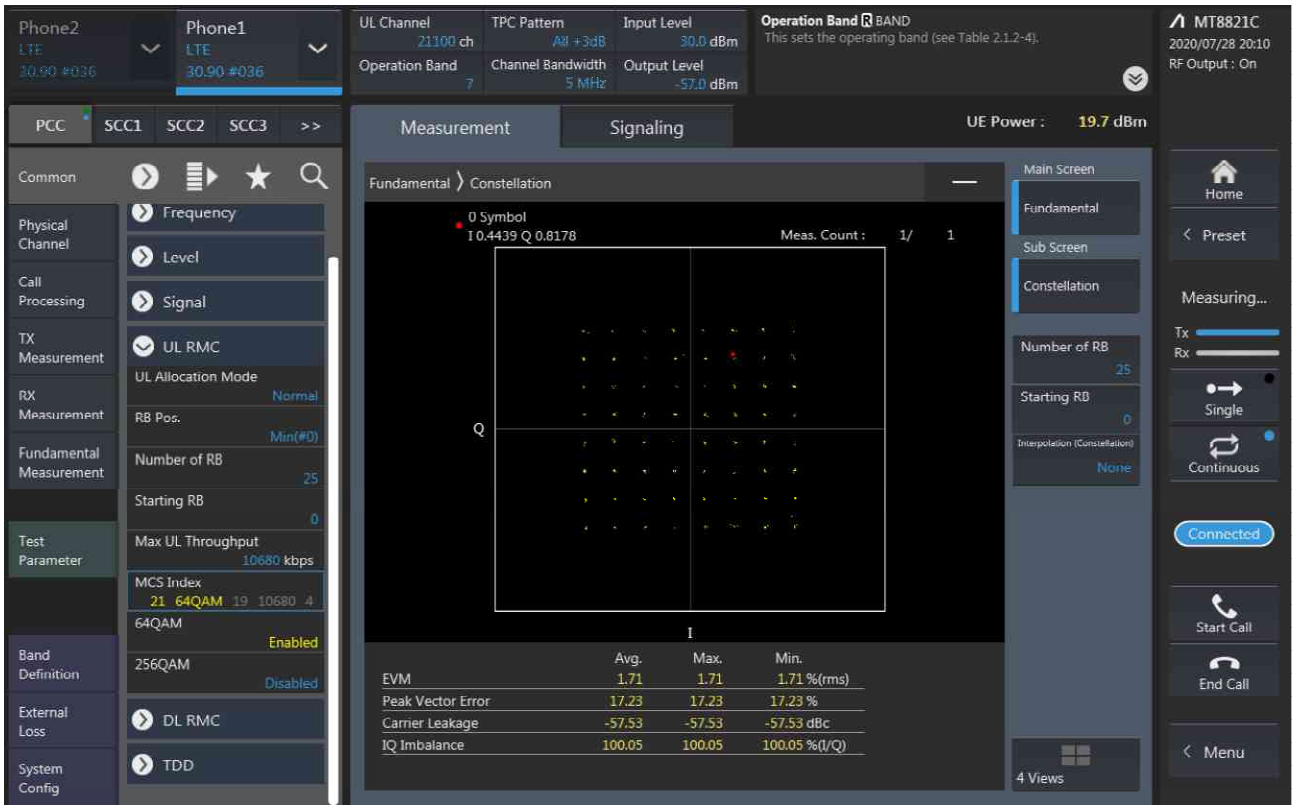
3.3. Test Mode = LTE /TM3 20MHz

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	4.900	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.840	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.476	4.840	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.466	4.820	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.466	4.810	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.466	4.810	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.476	4.830	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.486	4.860	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.486	4.870	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.931	9.600	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.911	9.600	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.931	9.640	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.911	9.600	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.931	9.580	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.931	9.560	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.951	9.680	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.931	9.620	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.931	9.640	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.457	14.730	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.487	14.700	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.457	15.760	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.427	14.730	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.457	14.700	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.397	14.790	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.457	14.670	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.457	14.700	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.457	14.790	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.902	19.240	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.902	19.320	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.862	19.280	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.902	19.320	PASS

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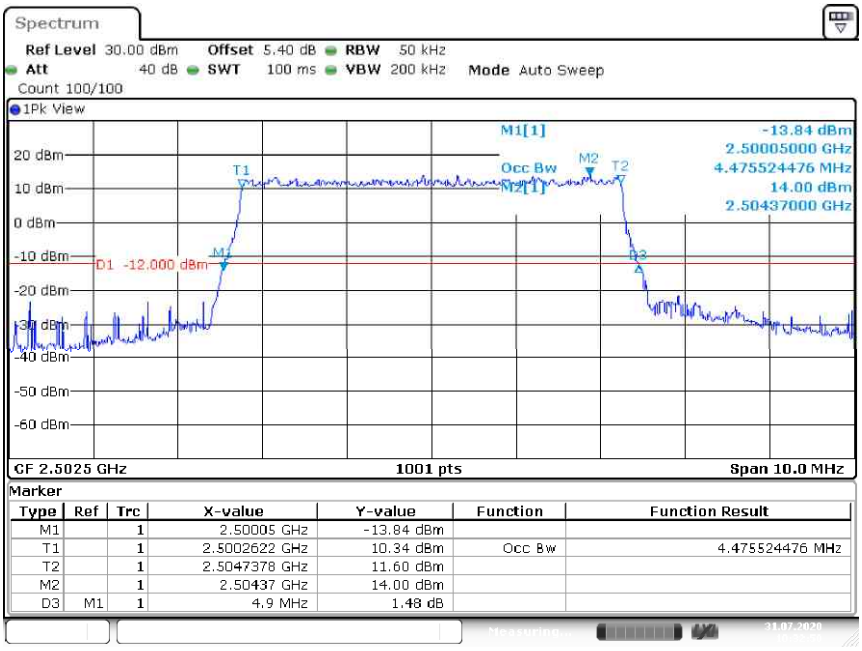
Band7	20MHz	64QAM	21100	100RB#0	17.862	19.200	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.862	19.280	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.862	19.320	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.902	19.280	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.902	19.280	PASS

4.2. Test Plots

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



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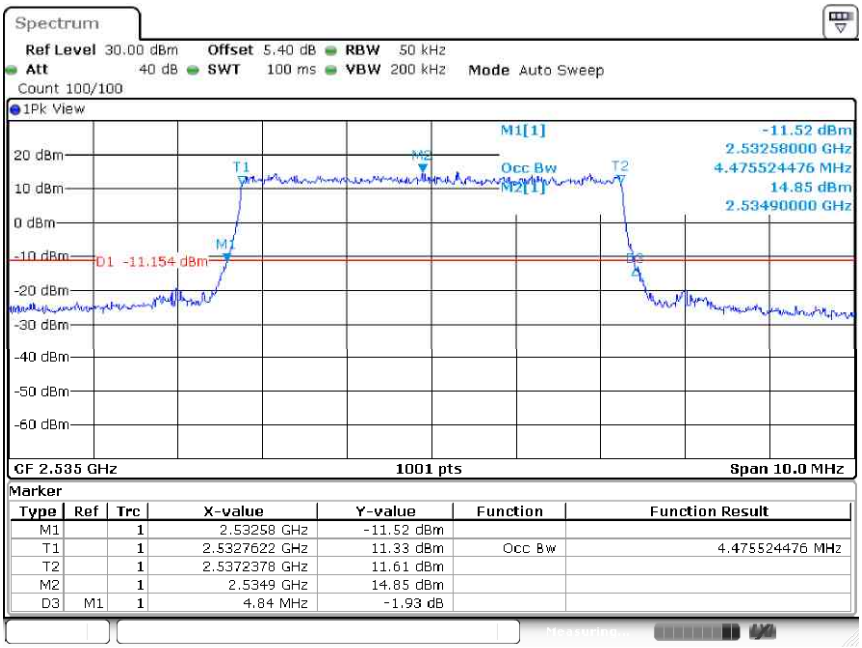
Band7-5MHz-QPSK-21100-25RB#0-4.476



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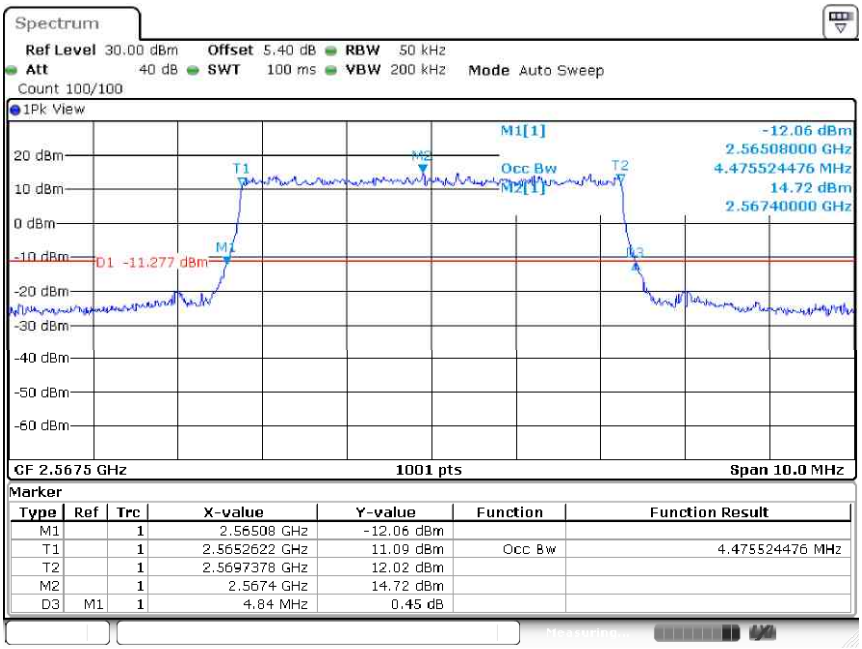

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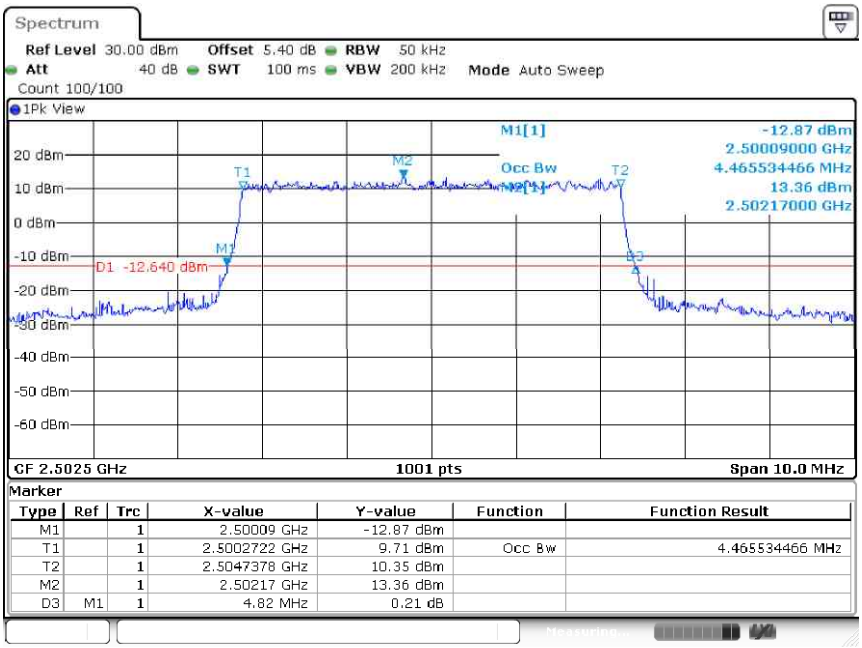
Band7-5MHz-64QAM-20775-25RB#0-4.466



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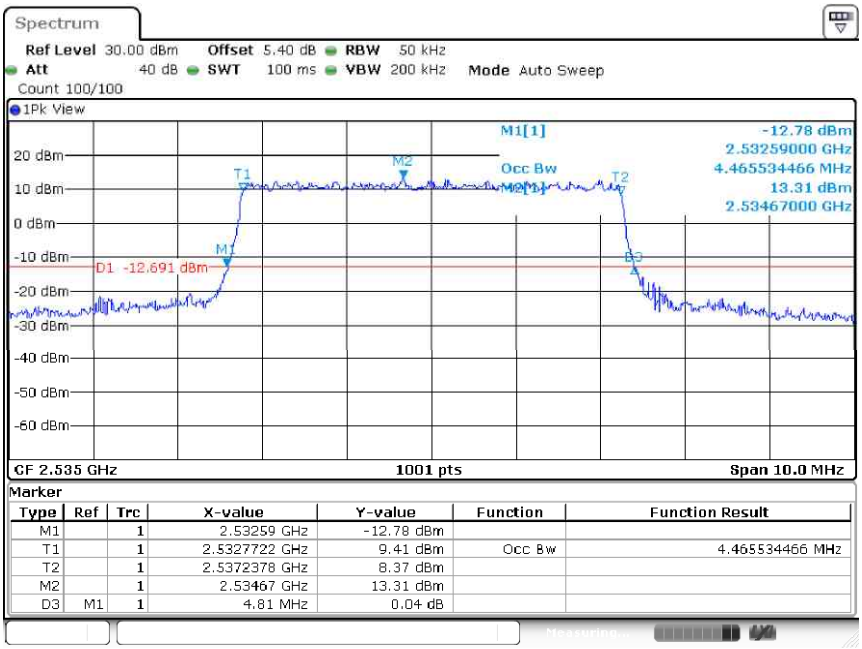

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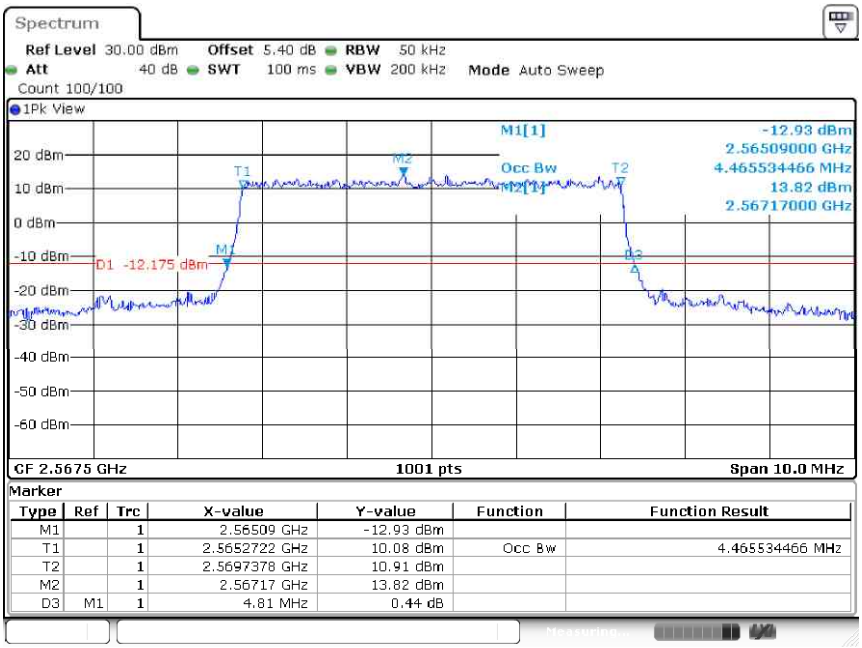

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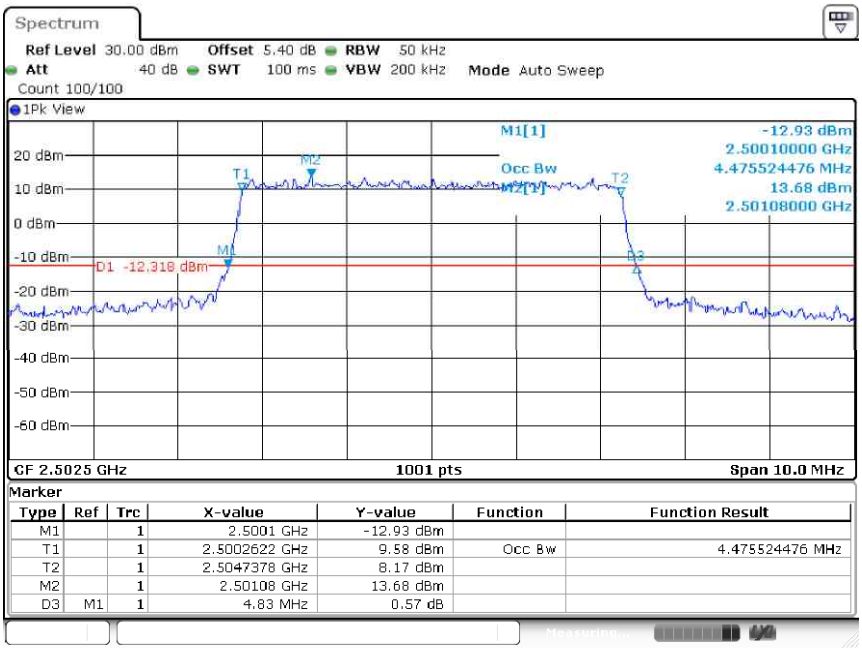

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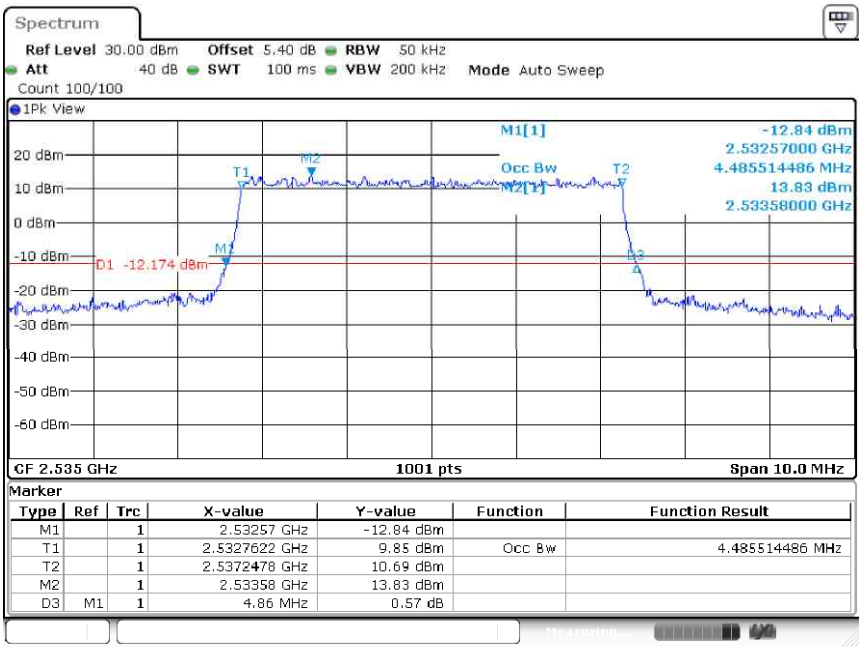

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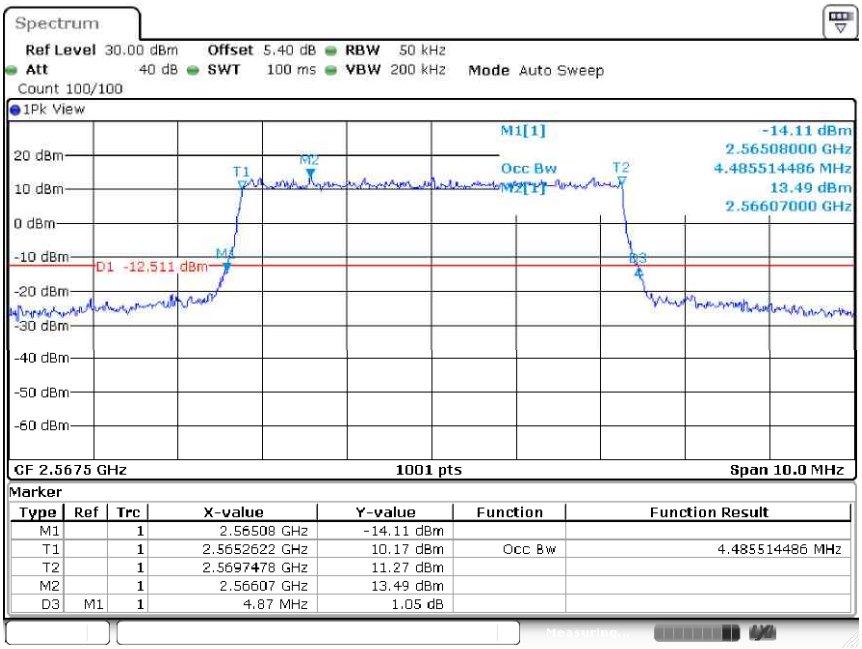

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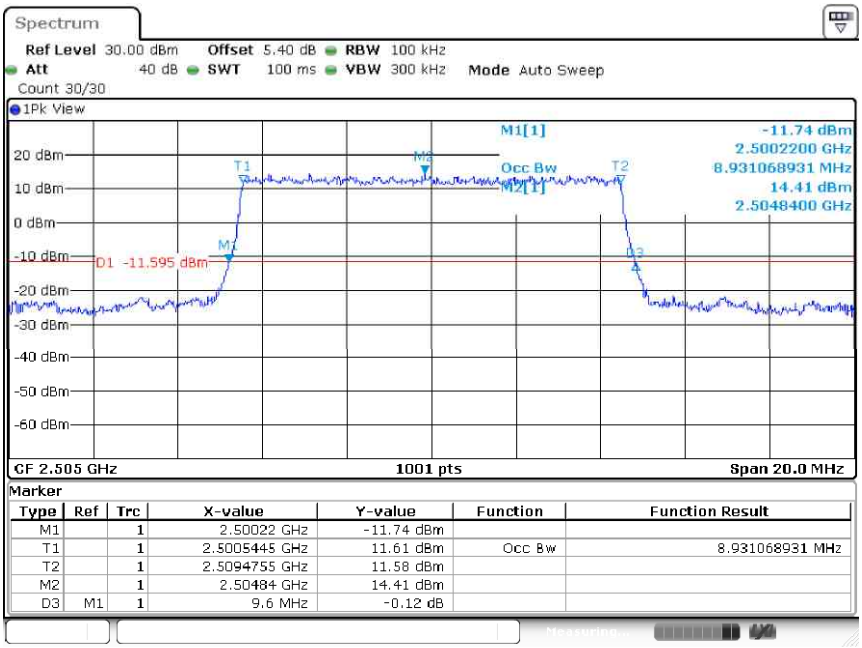
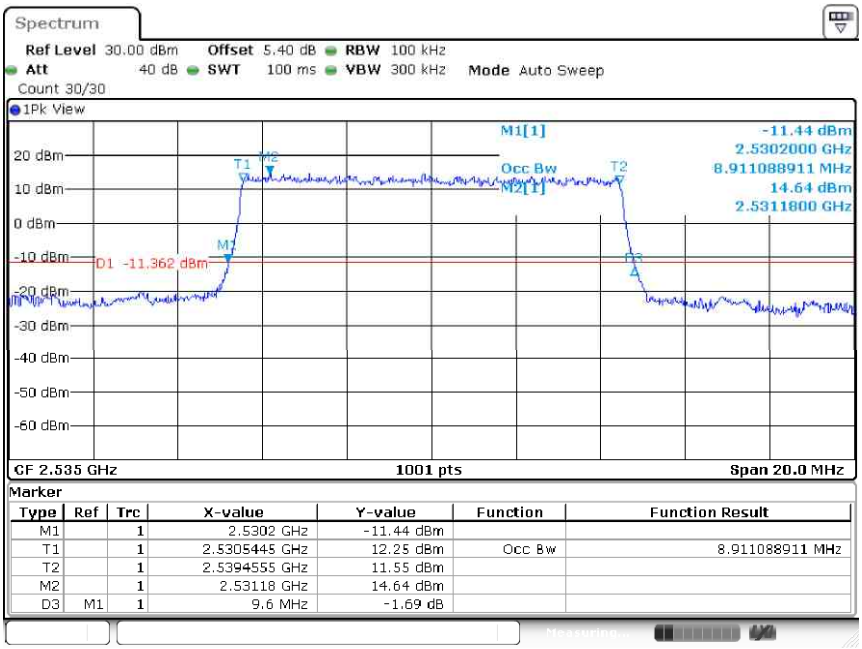
Band7-10MHz-QPSK-20800-50RB#0-8.931



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



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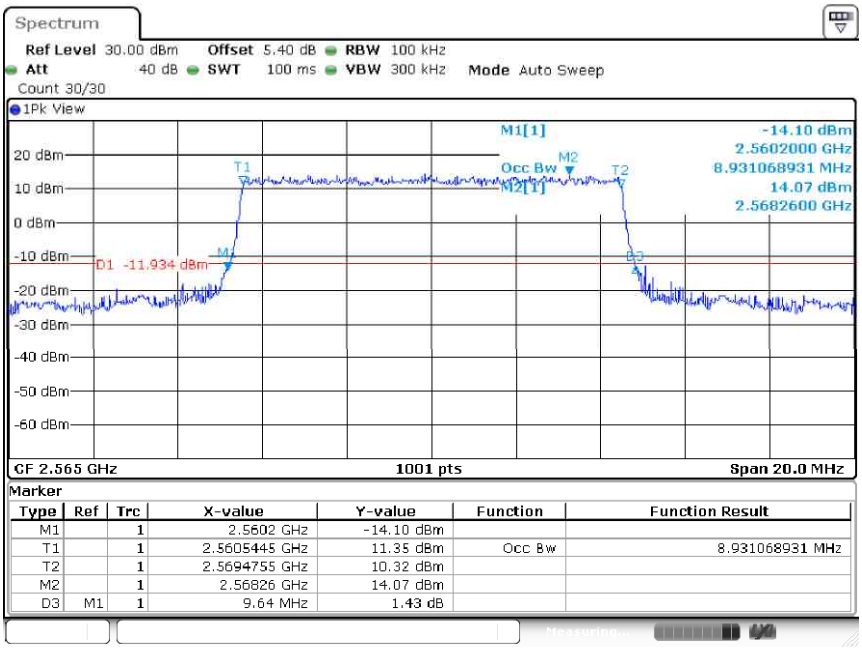
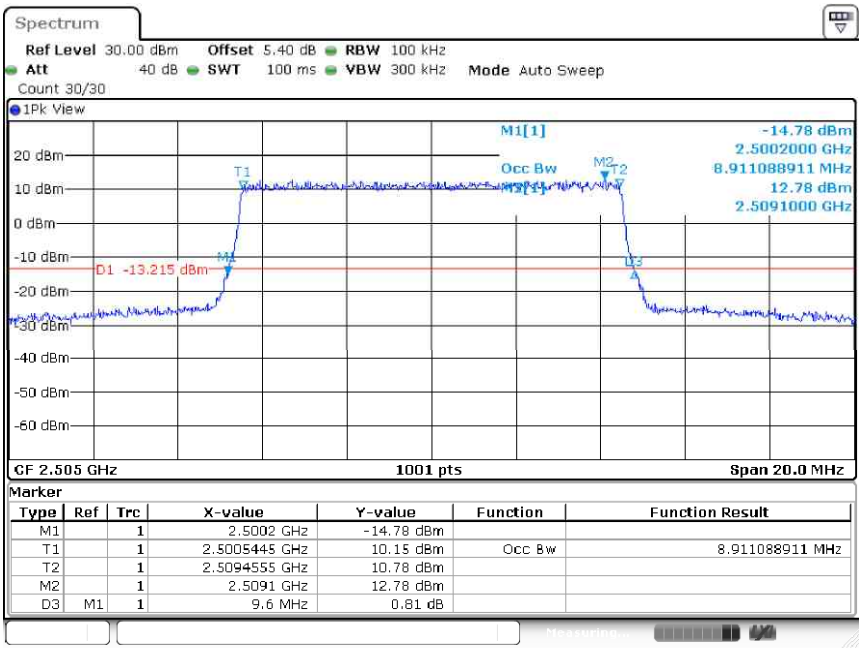
Band7-10MHz-QPSK-21400-50RB#0-8.931



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5602 GHz	-14.10 dBm		
T1		1	2.5605445 GHz	11.35 dBm	Occ Bw	8.931068931 MHz
T2		1	2.5694755 GHz	10.32 dBm		
M2		1	2.56826 GHz	14.07 dBm		
D3	M1	1	9.64 MHz	1.43 dB		

Date: 9.JUL.2020 14:22:38

Band7-10MHz-64QAM-20800-50RB#0-8.911



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5002 GHz	-14.78 dBm		
T1		1	2.5005445 GHz	10.15 dBm	Occ Bw	8.911088911 MHz
T2		1	2.5094555 GHz	10.78 dBm		
M2		1	2.5091 GHz	12.78 dBm		
D3	M1	1	9.6 MHz	0.81 dB		

Date: 14.JUL.2020 07:55:04

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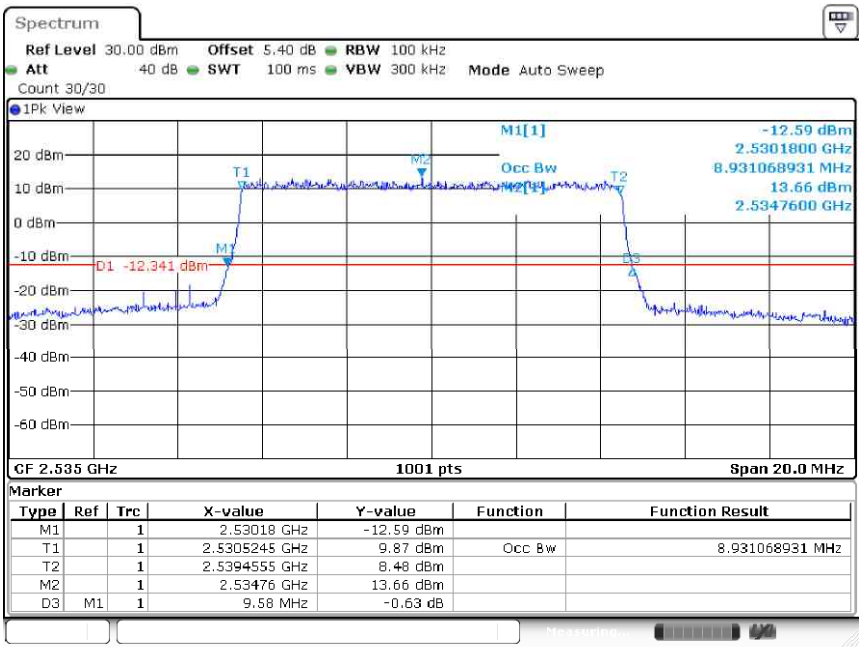

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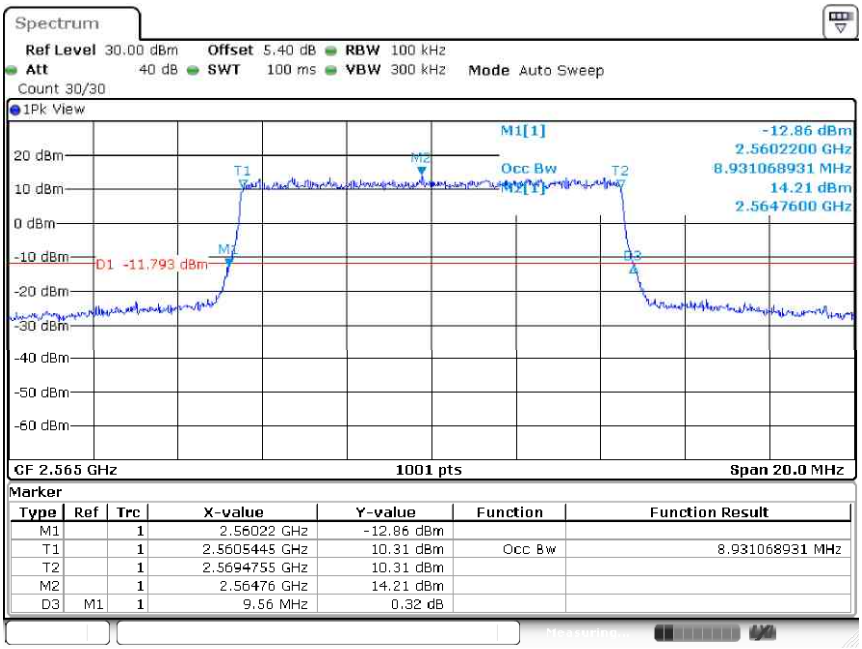
Band7-10MHz-64QAM-21400-50RB#0-8.931



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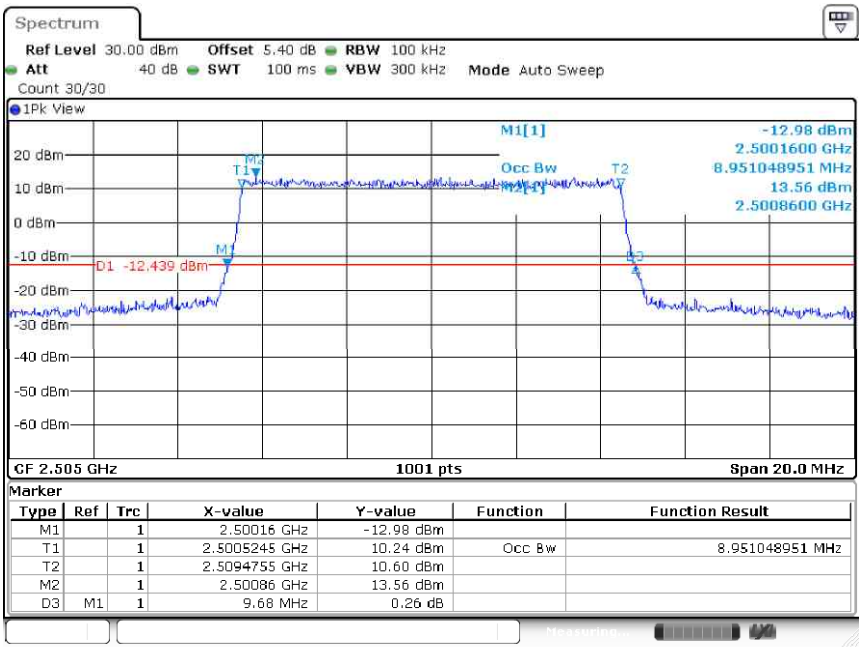

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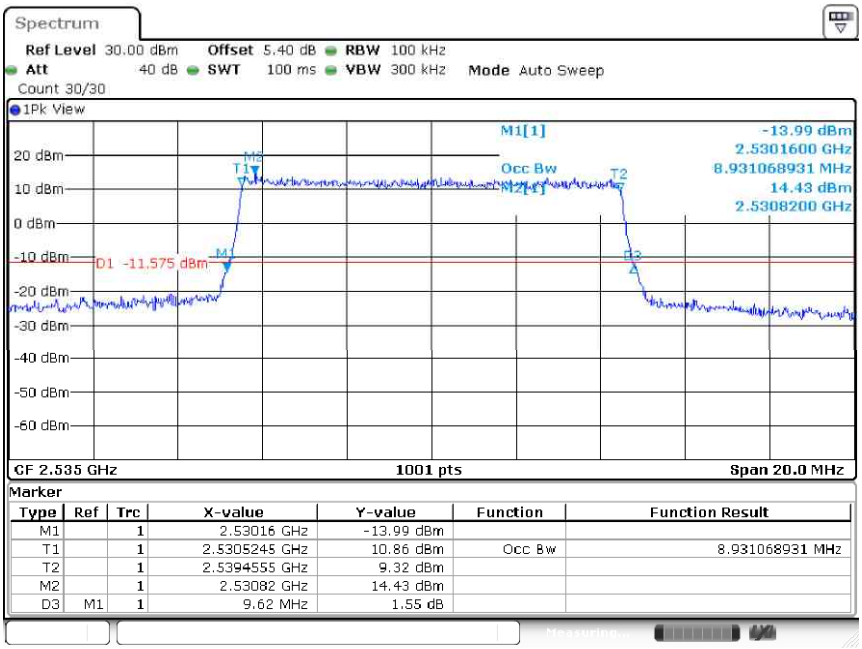
Band7-10MHz-16QAM-21100-50RB#0-8.931



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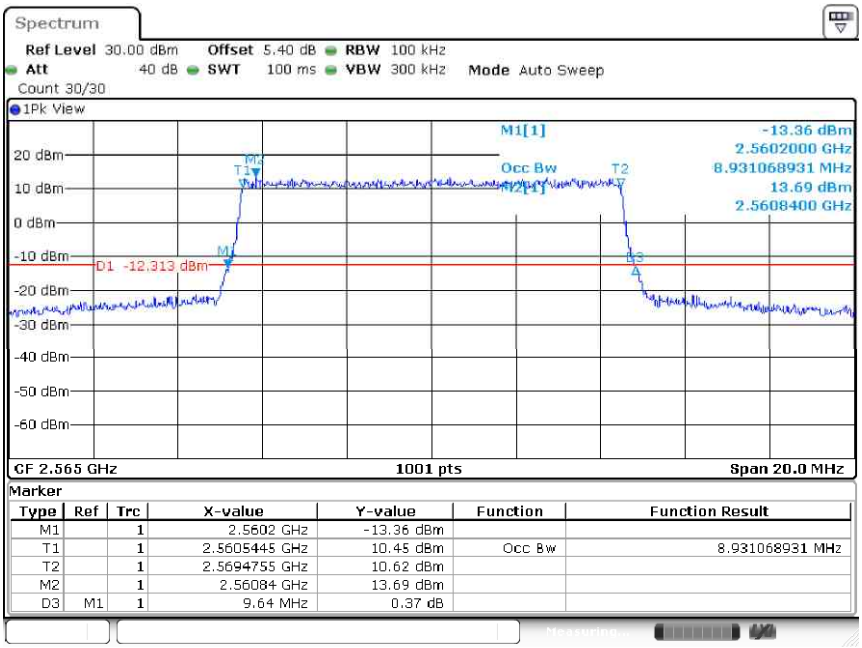
Band7-10MHz-16QAM-21400-50RB#0-8.931



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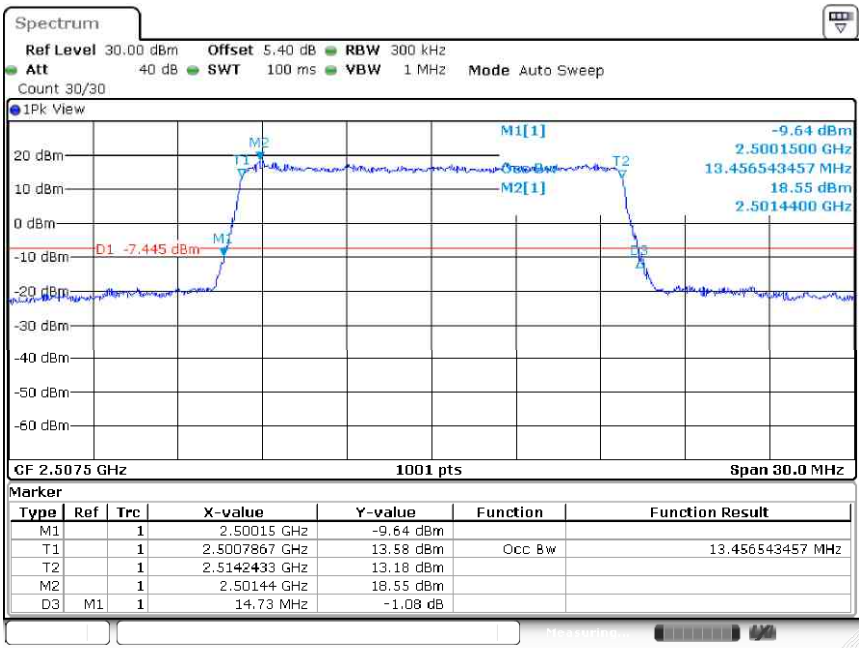
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5602 GHz	-13.36 dBm		
T1		1	2.5605445 GHz	10.45 dBm	Occ Bw	8.931068931 MHz
T2		1	2.5694755 GHz	10.62 dBm		
M2		1	2.56084 GHz	13.69 dBm		
D3	M1	1	9.64 MHz	0.37 dB		

Date: 9.JUL.2020 14:22:51

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50015 GHz	-9.64 dBm		
T1		1	2.5007867 GHz	13.58 dBm	Occ Bw	13.456543457 MHz
T2		1	2.5142433 GHz	13.18 dBm		
M2		1	2.50144 GHz	18.55 dBm		
D3	M1	1	14.73 MHz	-1.08 dB		

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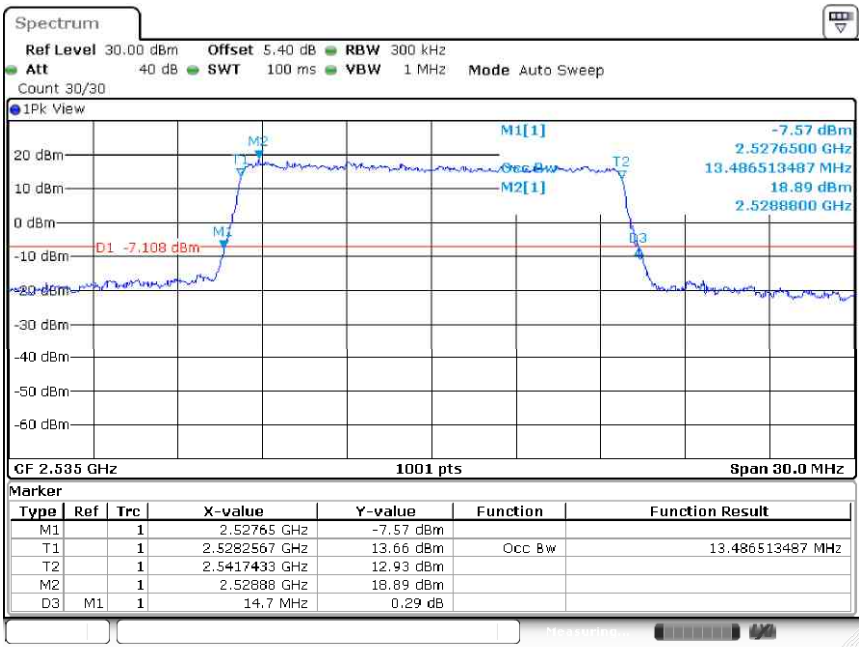
Band7-15MHz-QPSK-21100-75RB#0-13.487



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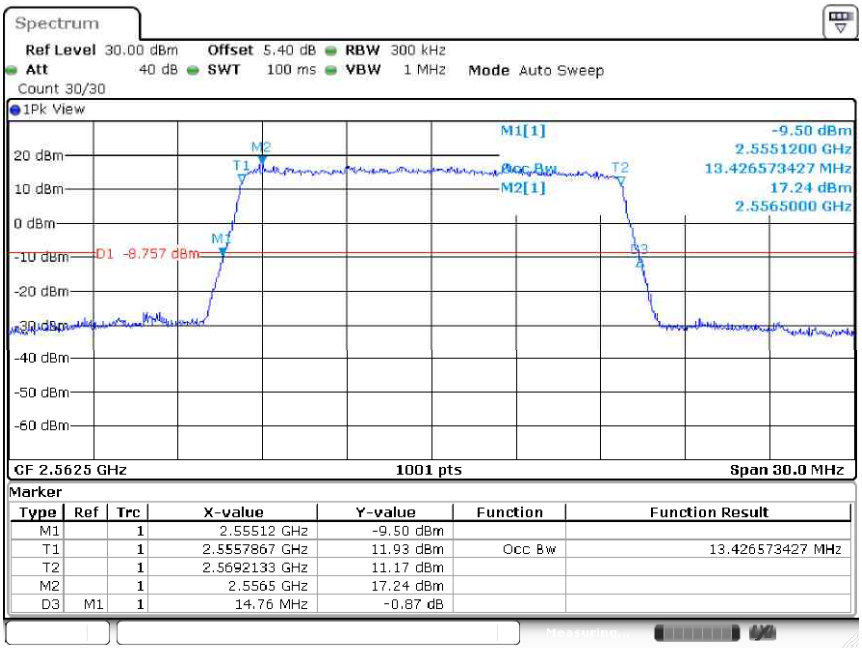
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.52765 GHz	-7.57 dBm		
T1		1	2.5282567 GHz	13.66 dBm	Occ Bw	13.486513487 MHz
T2		1	2.5417433 GHz	12.93 dBm		
M2		1	2.52888 GHz	18.89 dBm		
D3	M1	1	14.7 MHz	0.29 dB		

Date: 9.JUL.2020 14:23:34

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	-9.50 dBm		
T1		1	2.5557867 GHz	11.93 dBm	Occ Bw	13.426573427 MHz
T2		1	2.5692133 GHz	11.17 dBm		
M2		1	2.5565 GHz	17.24 dBm		
D3	M1	1	14.76 MHz	-0.87 dB		

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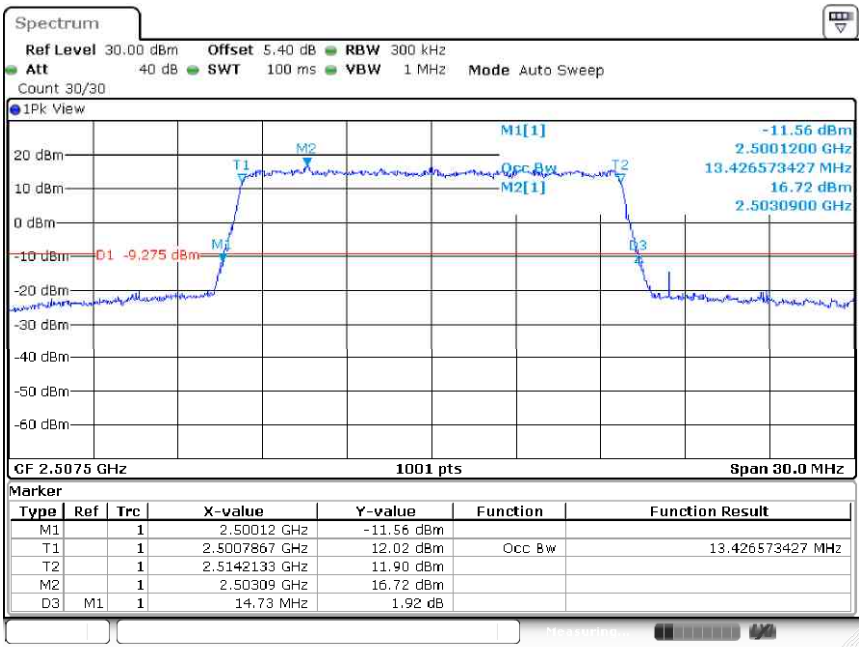
Band7-15MHz-64QAM-20825-75RB#0-13.427



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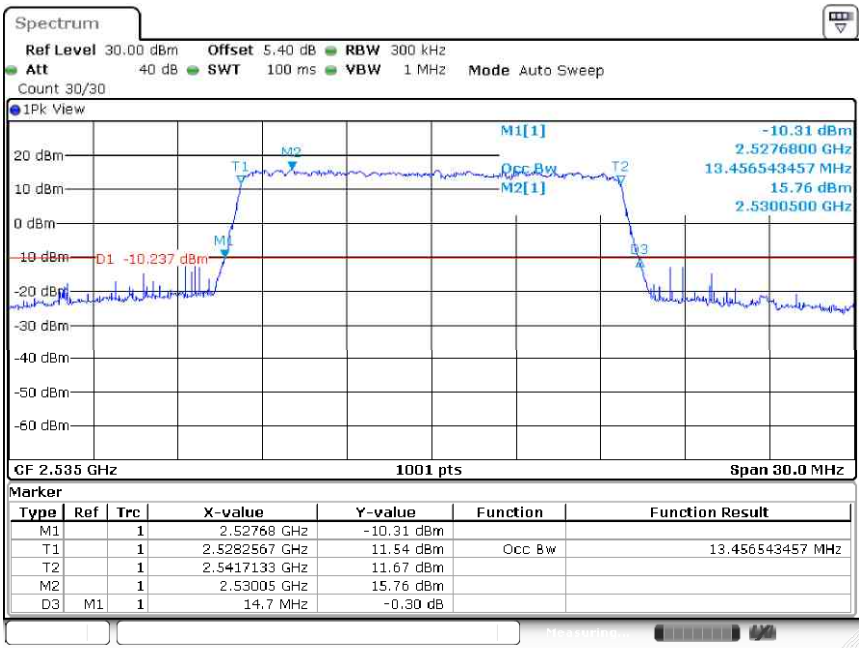
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50012 GHz	-11.56 dBm		
T1		1	2.5007867 GHz	12.02 dBm	Occ Bw	13.426573427 MHz
T2		1	2.5142133 GHz	11.90 dBm		
M2		1	2.50309 GHz	16.72 dBm		
D3	M1	1	14.73 MHz	1.92 dB		

Date: 14.JUL.2020 07:55:47

Band7-15MHz-64QAM-21100-75RB#0-13.457



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.52768 GHz	-10.31 dBm		
T1		1	2.5282567 GHz	11.54 dBm	Occ Bw	13.456543457 MHz
T2		1	2.5417133 GHz	11.67 dBm		
M2		1	2.53005 GHz	15.76 dBm		
D3	M1	1	14.7 MHz	-0.30 dB		

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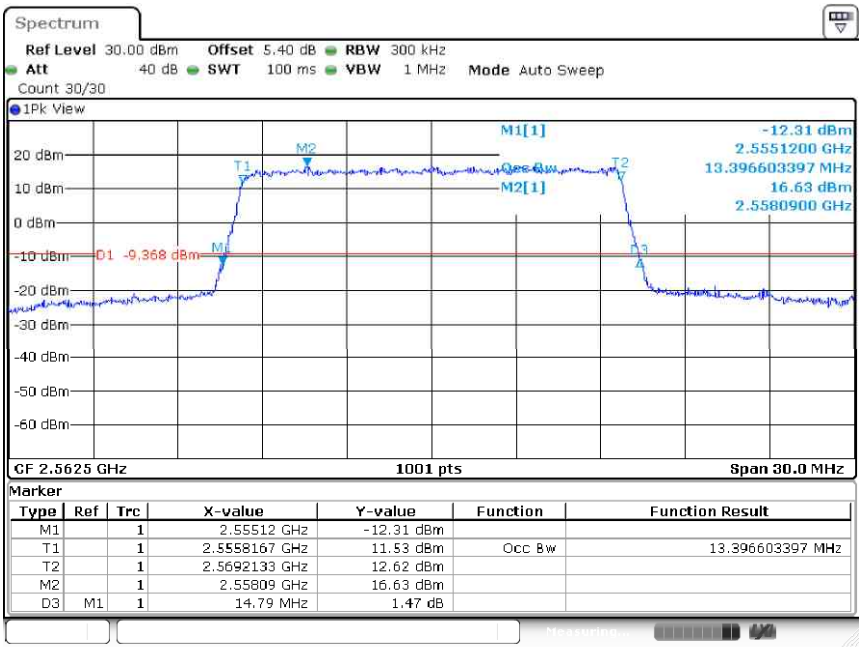
Band7-15MHz-64QAM-21375-75RB#0-13.397



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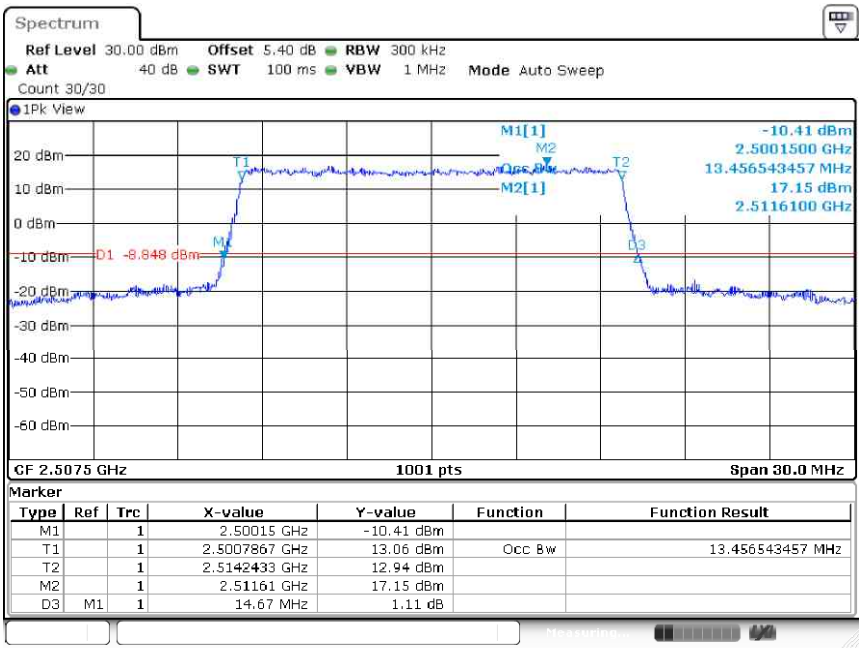
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.55512 GHz	-12.31 dBm		
T1		1	2.5558167 GHz	11.53 dBm	Occ Bw	13.396603397 MHz
T2		1	2.5692133 GHz	12.62 dBm		
M2		1	2.55809 GHz	16.63 dBm		
D3	M1	1	14.79 MHz	1.47 dB		

Date: 14.JUL.2020 07:56:13

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50015 GHz	-10.41 dBm		
T1		1	2.5007867 GHz	13.06 dBm	Occ Bw	13.456543457 MHz
T2		1	2.5142433 GHz	12.94 dBm		
M2		1	2.51161 GHz	17.15 dBm		
D3	M1	1	14.67 MHz	1.11 dB		

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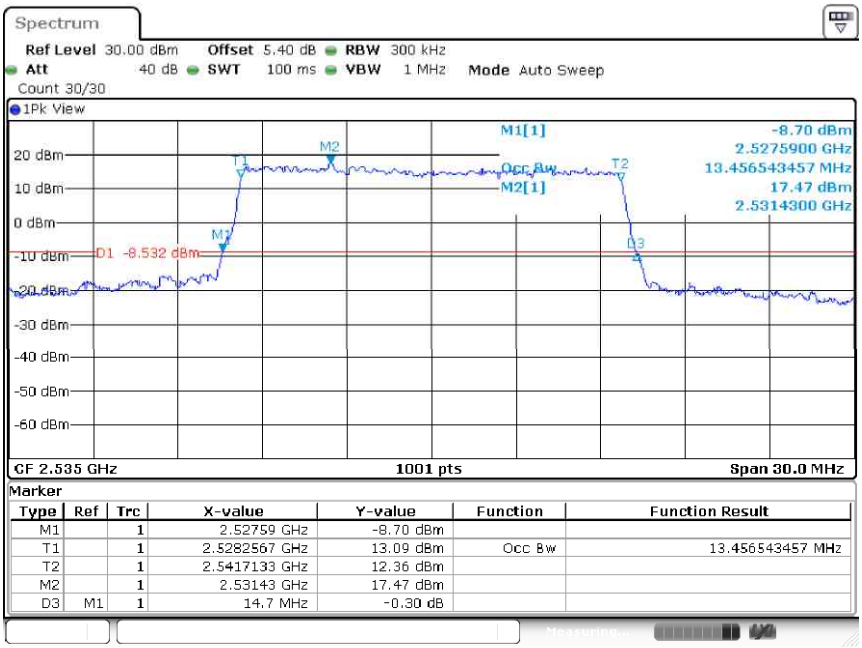
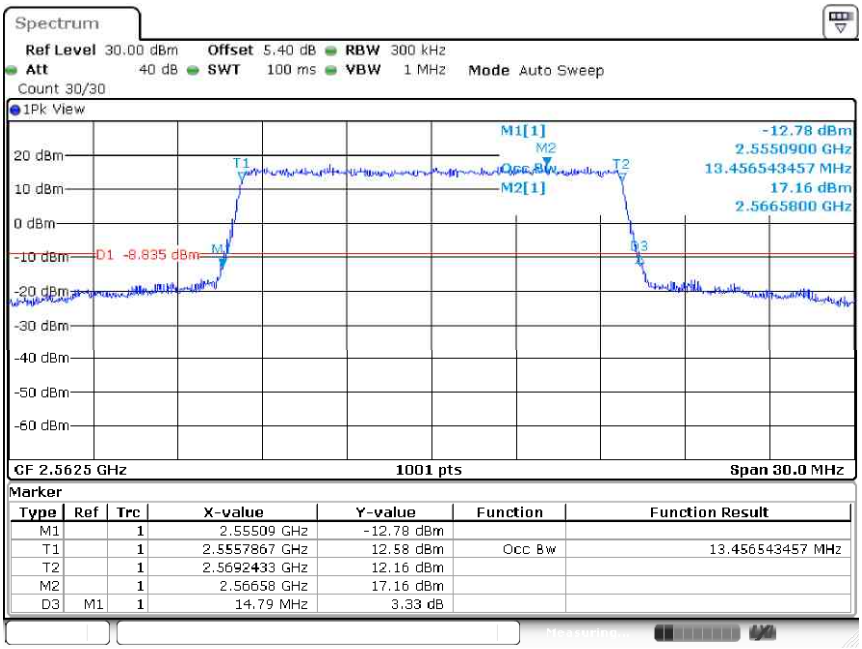
Band7-15MHz-16QAM-21100-75RB#0-13.457



Date: 9.JUL.2020 14:23:46

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



Date: 9.JUL.2020 14:24:12

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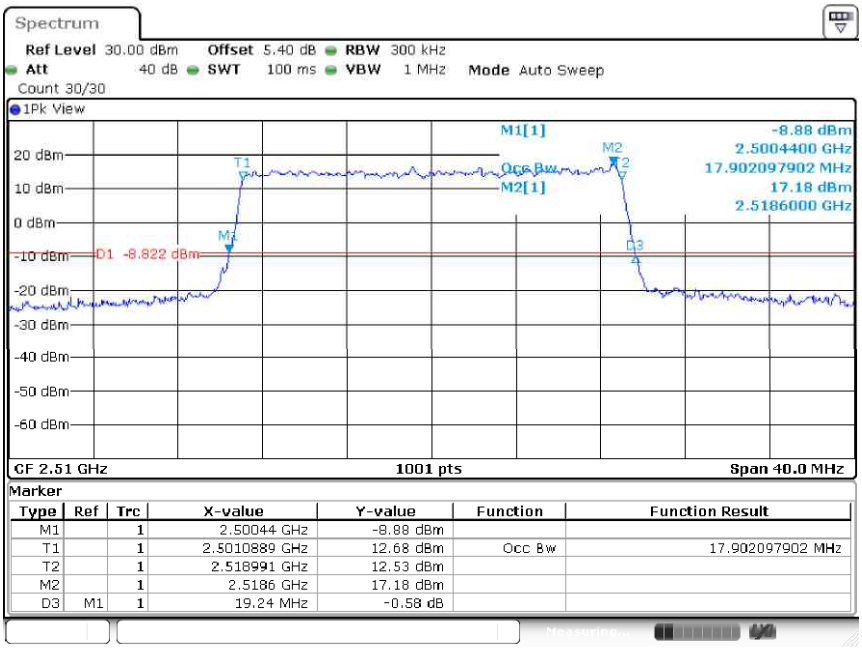
Band7-20MHz-QPSK-20850-100RB#0-17.902

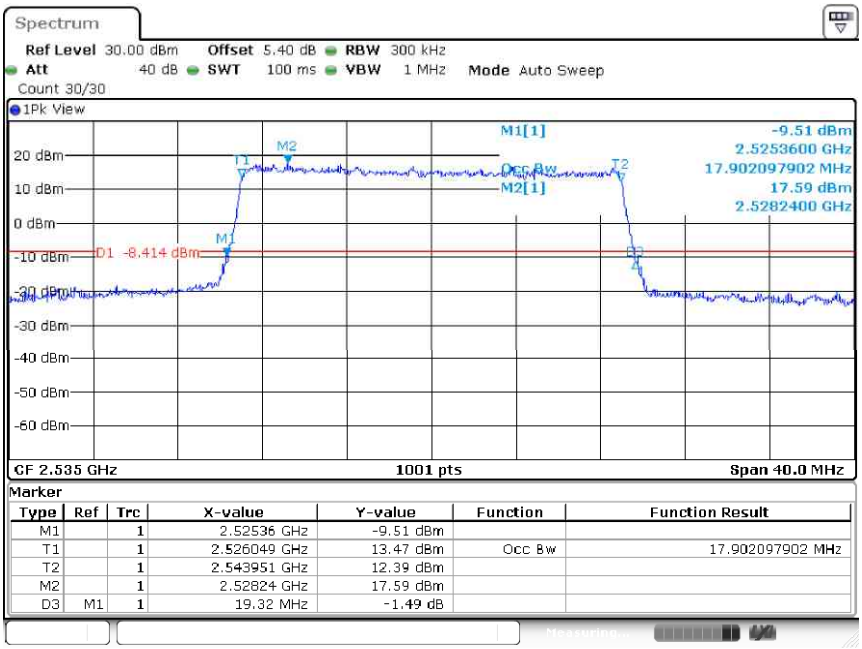


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50044 GHz	-8.88 dBm		
T1		1	2.5010889 GHz	12.68 dBm	Occ Bw	17.902097902 MHz
T2		1	2.518991 GHz	12.53 dBm		
M2		1	2.5186 GHz	17.18 dBm		
D3	M1	1	19.24 MHz	-0.58 dB		

Date: 9.JUL.2020 14:24:29

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.52536 GHz	-9.51 dBm		
T1		1	2.526049 GHz	13.47 dBm	Occ Bw	17.902097902 MHz
T2		1	2.543951 GHz	12.39 dBm		
M2		1	2.52824 GHz	17.59 dBm		
D3	M1	1	19.32 MHz	-1.49 dB		

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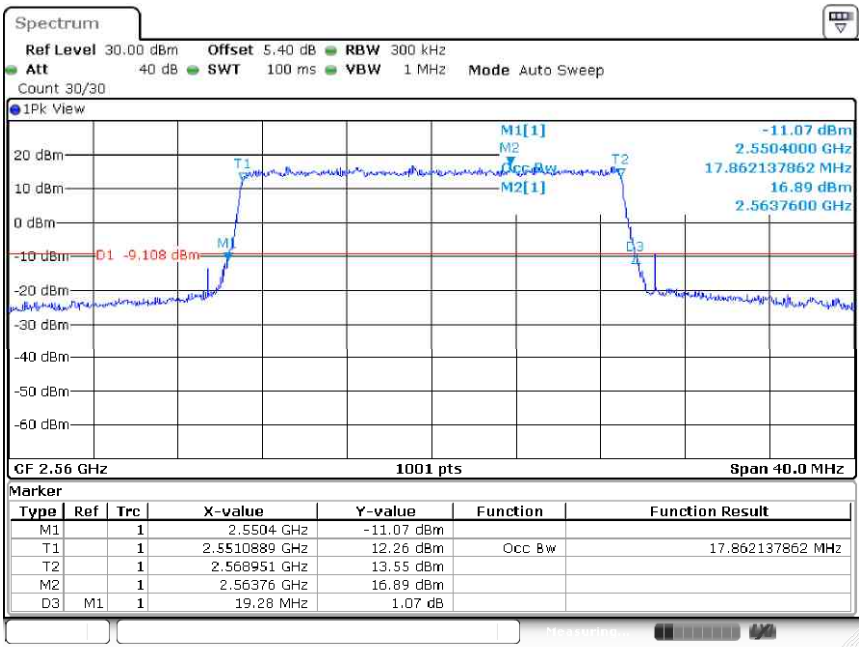
Band7-20MHz-QPSK-21350-100RB#0-17.862

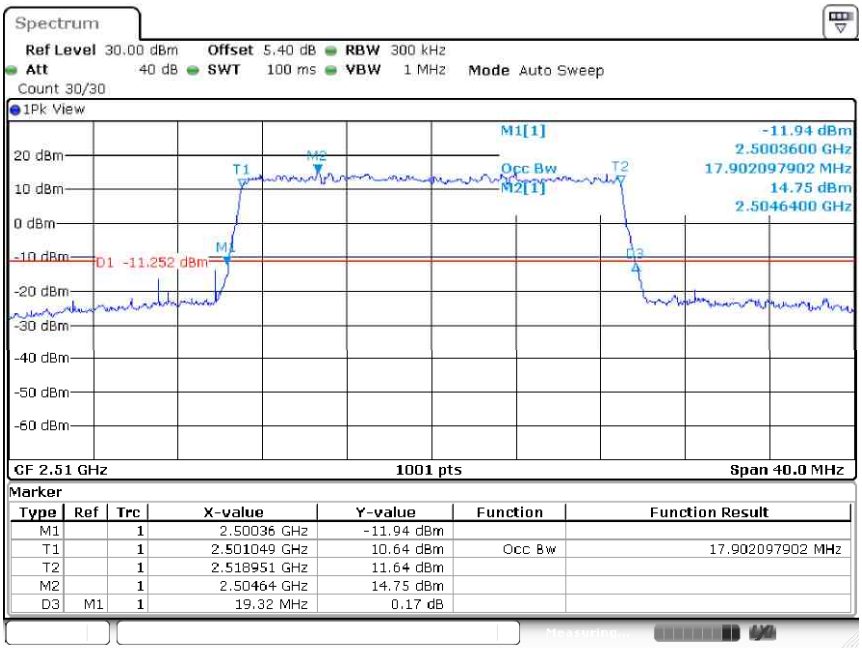


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5504 GHz	-11.07 dBm		
T1		1	2.5510889 GHz	12.26 dBm	Occ Bw	17.862137862 MHz
T2		1	2.568951 GHz	13.55 dBm		
M2		1	2.56376 GHz	16.89 dBm		
D3	M1	1	19.28 MHz	1.07 dB		

Date: 9.JUL.2020 14:25:20

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	-11.94 dBm		
T1		1	2.501049 GHz	10.64 dBm	Occ Bw	17.902097902 MHz
T2		1	2.518951 GHz	11.64 dBm		
M2		1	2.50464 GHz	14.75 dBm		
D3	M1	1	19.32 MHz	0.17 dB		

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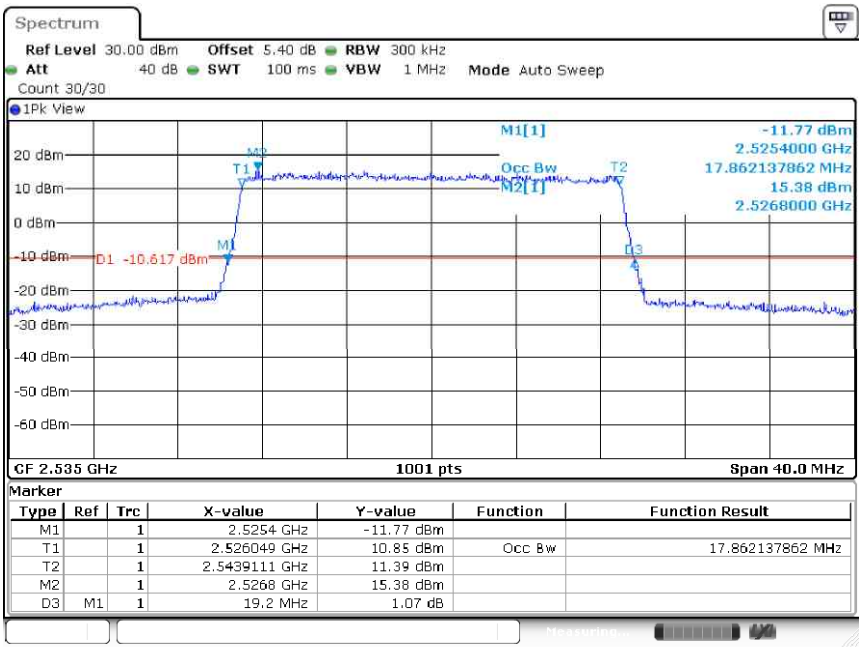

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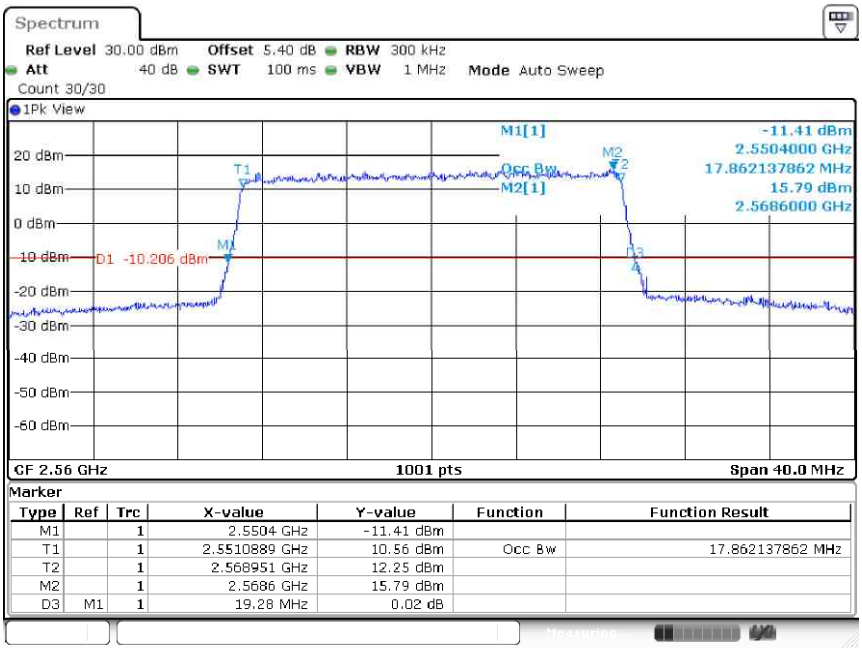
Band7-20MHz-64QAM-21350-100RB#0-17.862



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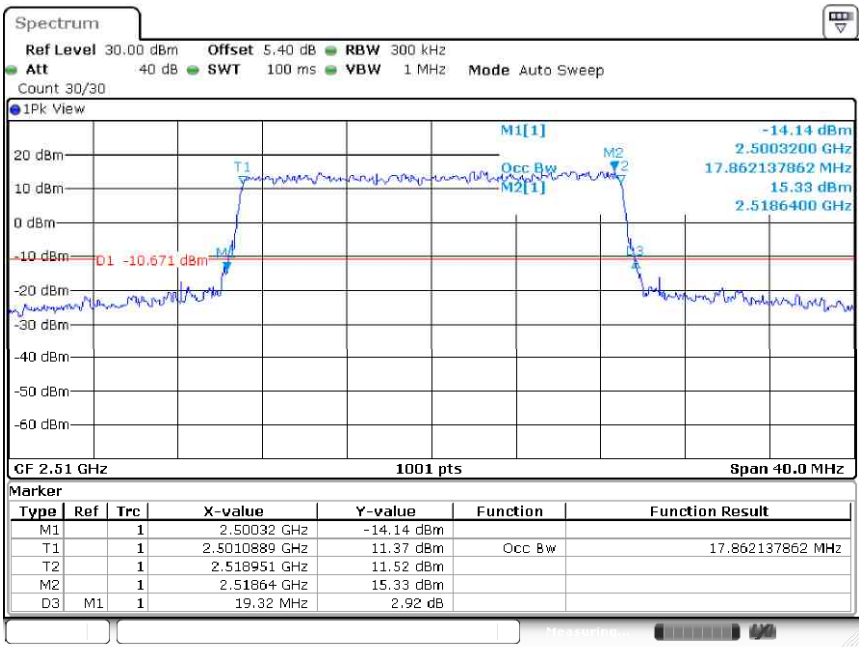
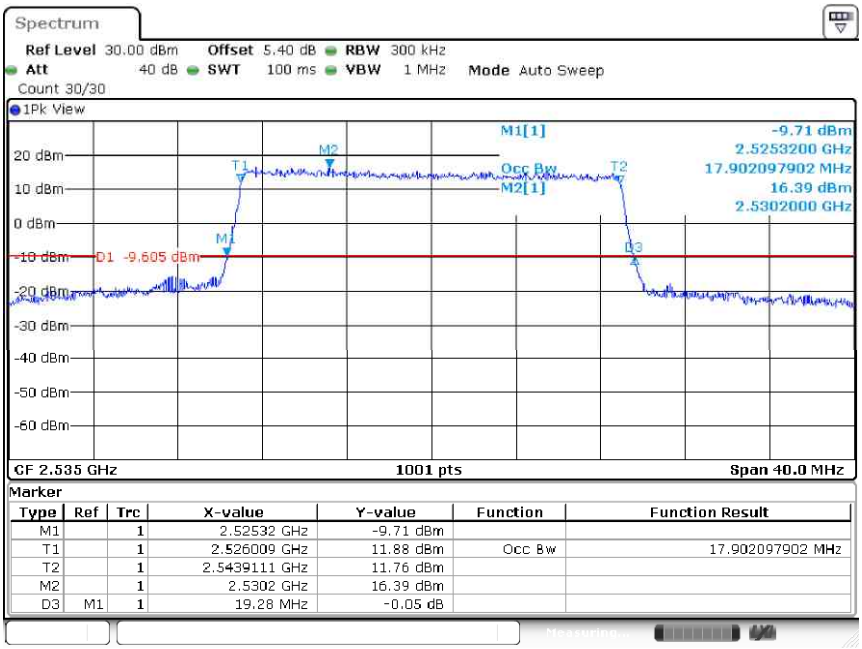


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50032 GHz	-14.14 dBm		
T1		1	2.5010889 GHz	11.37 dBm	Occ Bw	17.862137862 MHz
T2		1	2.518951 GHz	11.52 dBm		
M2		1	2.51864 GHz	15.33 dBm		
D3	M1	1	19.32 MHz	2.92 dB		

Date: 9.JUL.2020 14:24:42

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.52532 GHz	-9.71 dBm		
T1		1	2.526009 GHz	11.88 dBm	Occ Bw	17.902097902 MHz
T2		1	2.5439111 GHz	11.76 dBm		
M2		1	2.5302 GHz	16.39 dBm		
D3	M1	1	19.28 MHz	-0.05 dB		

Date: 9.JUL.2020 14:25:07

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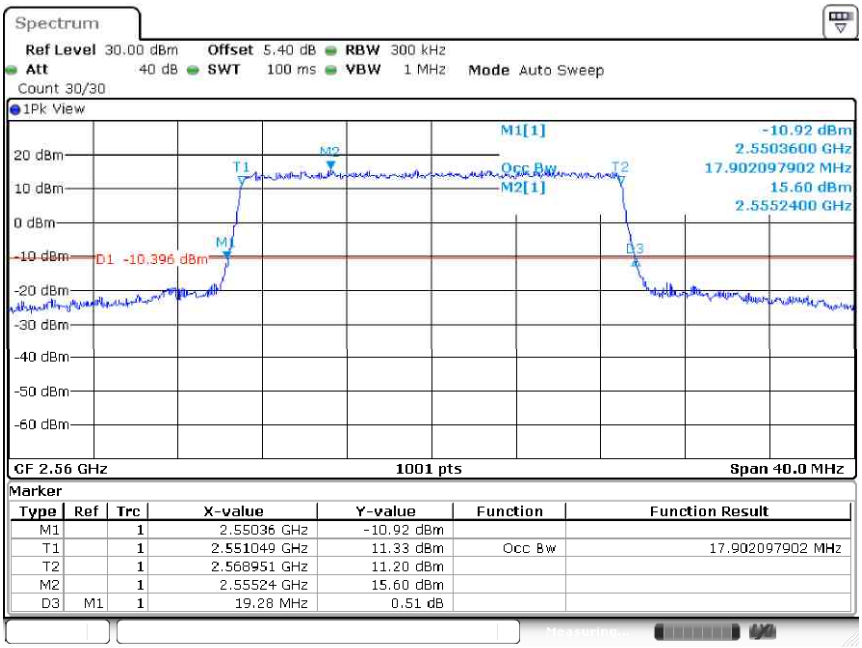

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5. Band Edge Compliance

5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-54.12,-45.72,-15.19	PASS
Band7	5MHz	QPSK	20775	25RB#0	-48.93,-38.65,-26.92	PASS
Band7	5MHz	QPSK	21425	1RB#24	-52.40,-52.28,-15.40	PASS
Band7	5MHz	QPSK	21425	25RB#0	-41.69,-41.60,-26.80	PASS
Band7	5MHz	64QAM	20775	1RB#0	-53.96,-49.33,-16.37	PASS
Band7	5MHz	64QAM	20775	25RB#0	-50.93,-39.21,-28.36	PASS
Band7	5MHz	64QAM	21425	1RB#24	-53.12,-52.28,-15.81	PASS
Band7	5MHz	64QAM	21425	25RB#0	-43.32,-41.16,-27.15	PASS
Band7	5MHz	16QAM	20775	1RB#0	-54.09,-47.16,-16.34	PASS
Band7	5MHz	16QAM	20775	25RB#0	-49.64,-39.30,-26.88	PASS
Band7	5MHz	16QAM	21425	1RB#24	-52.75,-52.22,-15.74	PASS
Band7	5MHz	16QAM	21425	25RB#0	-42.70,-41.00,-26.86	PASS
Band7	10MHz	QPSK	20800	1RB#0	-47.71,-45.75,-17.67	PASS
Band7	10MHz	QPSK	20800	50RB#0	-42.20,-32.10,-28.66	PASS
Band7	10MHz	QPSK	21400	1RB#49	-50.68,-45.48,-17.71	PASS
Band7	10MHz	QPSK	21400	50RB#0	-41.52,-32.42,-27.77	PASS
Band7	10MHz	64QAM	20800	1RB#0	-50.46,-46.57,-19.09	PASS
Band7	10MHz	64QAM	20800	50RB#0	-41.86,-33.52,-29.53	PASS
Band7	10MHz	64QAM	21400	1RB#49	-49.77,-45.64,-18.55	PASS
Band7	10MHz	64QAM	21400	50RB#0	-40.88,-33.94,-28.35	PASS
Band7	10MHz	16QAM	20800	1RB#0	-48.52,-46.05,-17.74	PASS
Band7	10MHz	16QAM	20800	50RB#0	-41.18,-32.86,-29.14	PASS
Band7	10MHz	16QAM	21400	1RB#49	-50.67,-45.99,-19.47	PASS
Band7	10MHz	16QAM	21400	50RB#0	-41.49,-33.63,-28.51	PASS
Band7	15MHz	QPSK	20825	1RB#0	-47.11,-43.29,-19.33	PASS
Band7	15MHz	QPSK	20825	75RB#0	-34.92,-32.29,-29.73	PASS
Band7	15MHz	QPSK	21375	1RB#74	-49.12,-42.48,-19.43	PASS
Band7	15MHz	QPSK	21375	75RB#0	-41.61,-31.37,-28.56	PASS
Band7	15MHz	64QAM	20825	1RB#0	-47.66,-44.16,-20.27	PASS
Band7	15MHz	64QAM	20825	75RB#0	-38.37,-33.43,-31.12	PASS
Band7	15MHz	64QAM	21375	1RB#74	-49.02,-42.26,-19.84	PASS
Band7	15MHz	64QAM	21375	75RB#0	-41.10,-32.49,-29.61	PASS

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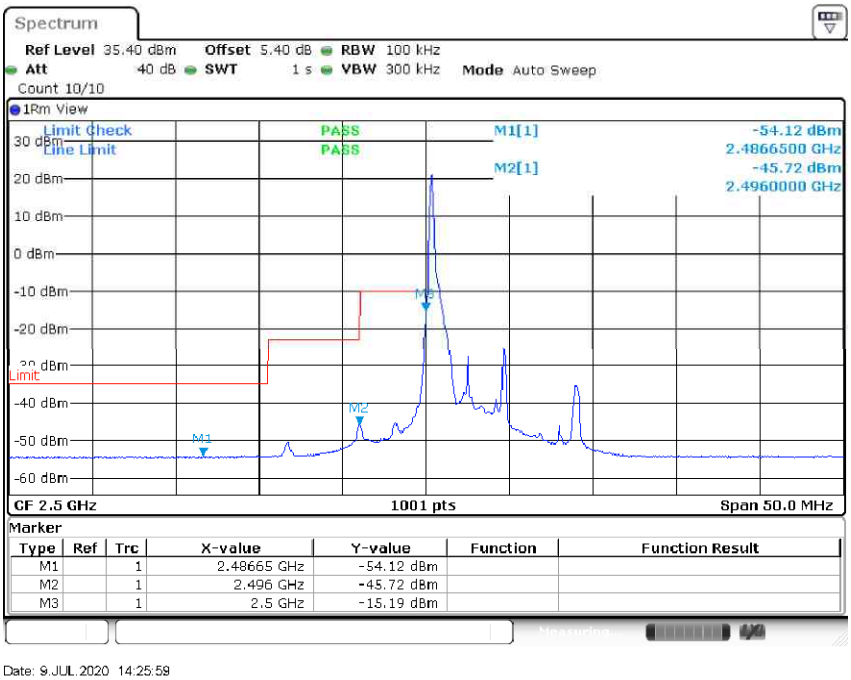
Band7	15MHz	16QAM	20825	1RB#0	-47.25,-43.99,-20.43	PASS
Band7	15MHz	16QAM	20825	75RB#0	-36.69,-32.59,-30.08	PASS
Band7	15MHz	16QAM	21375	1RB#74	-49.07,-43.25,-19.25	PASS
Band7	15MHz	16QAM	21375	75RB#0	-41.71,-31.90,-28.99	PASS
Band7	20MHz	QPSK	20850	1RB#0	-43.09,-39.78,-18.34	PASS
Band7	20MHz	QPSK	20850	100RB#0	-33.27,-30.93,-28.86	PASS
Band7	20MHz	QPSK	21350	1RB#99	-47.02,-42.05,-18.62	PASS
Band7	20MHz	QPSK	21350	100RB#0	-42.00,-30.45,-27.80	PASS
Band7	20MHz	64QAM	20850	1RB#0	-46.12,-43.67,-19.98	PASS
Band7	20MHz	64QAM	20850	100RB#0	-34.46,-31.54,-29.64	PASS
Band7	20MHz	64QAM	21350	1RB#99	-46.94,-42.61,-19.25	PASS
Band7	20MHz	64QAM	21350	100RB#0	-40.30,-30.83,-28.72	PASS
Band7	20MHz	16QAM	20850	1RB#0	-45.44,-43.22,-18.80	PASS
Band7	20MHz	16QAM	20850	100RB#0	-34.04,-31.25,-29.25	PASS
Band7	20MHz	16QAM	21350	1RB#99	-47.02,-42.57,-20.81	PASS
Band7	20MHz	16QAM	21350	100RB#0	-40.89,-30.68,-28.38	PASS

5.2. Test Plots

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



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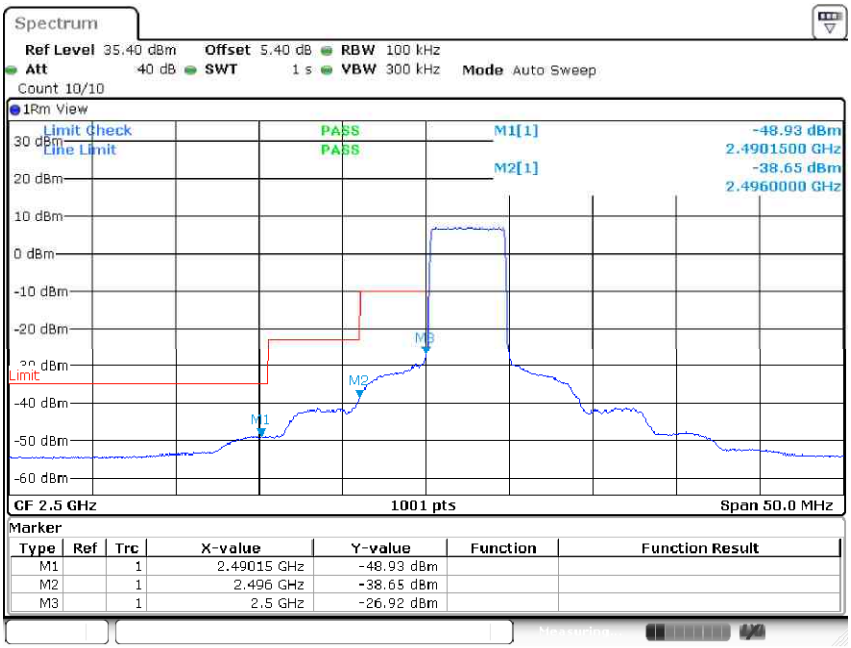
Band7-5MHz-QPSK-20775-25RB#0



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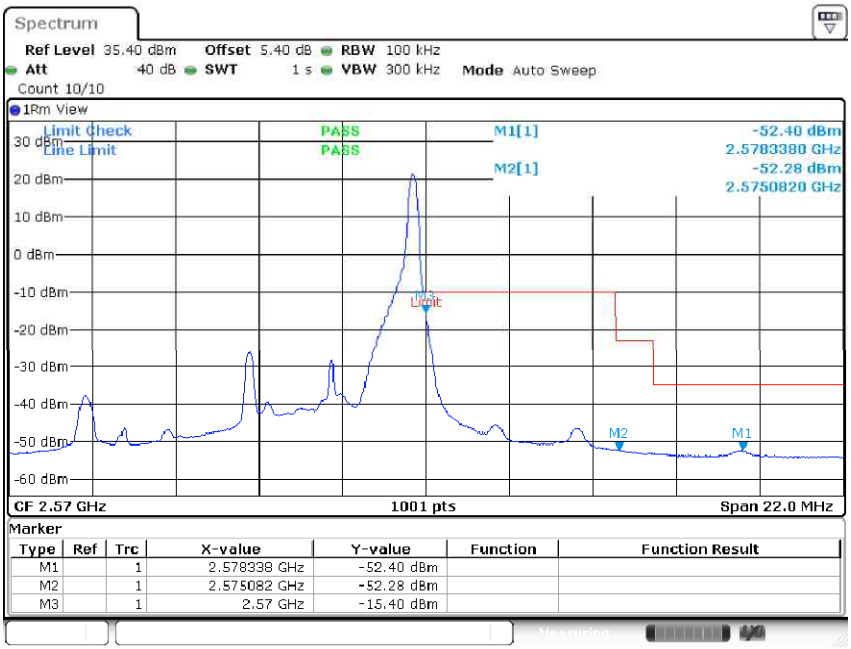
Band7-5MHz-QPSK-21425-1RB#24



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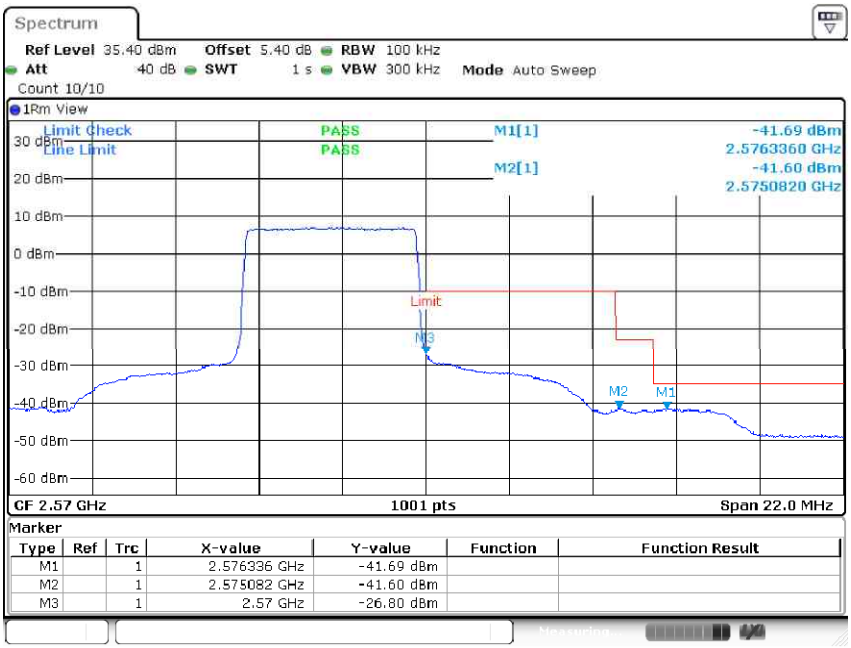
Band7-5MHz-QPSK-21425-25RB#0



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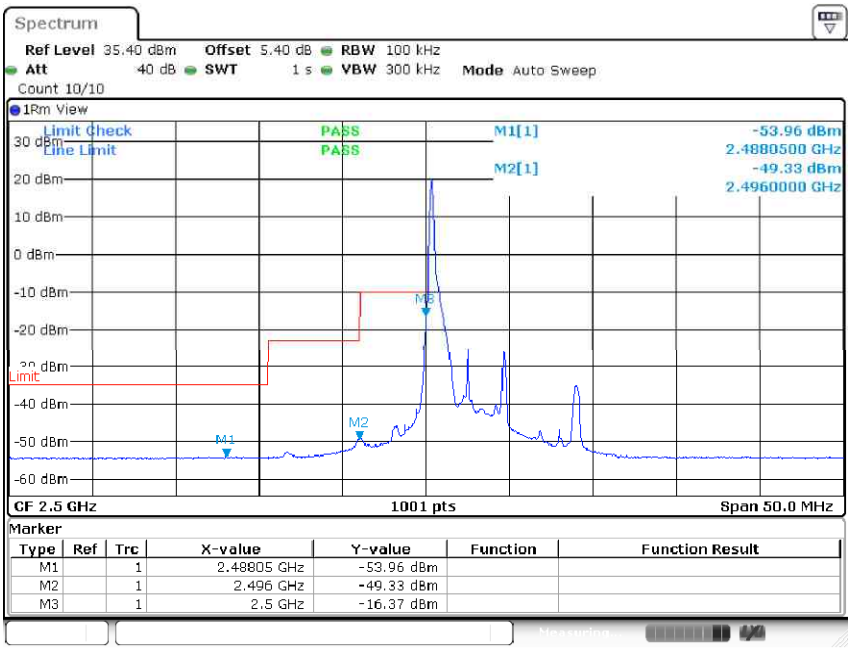
Band7-5MHz-64QAM-20775-1RB#0



Date: 14.JUL.2020 07:57:23

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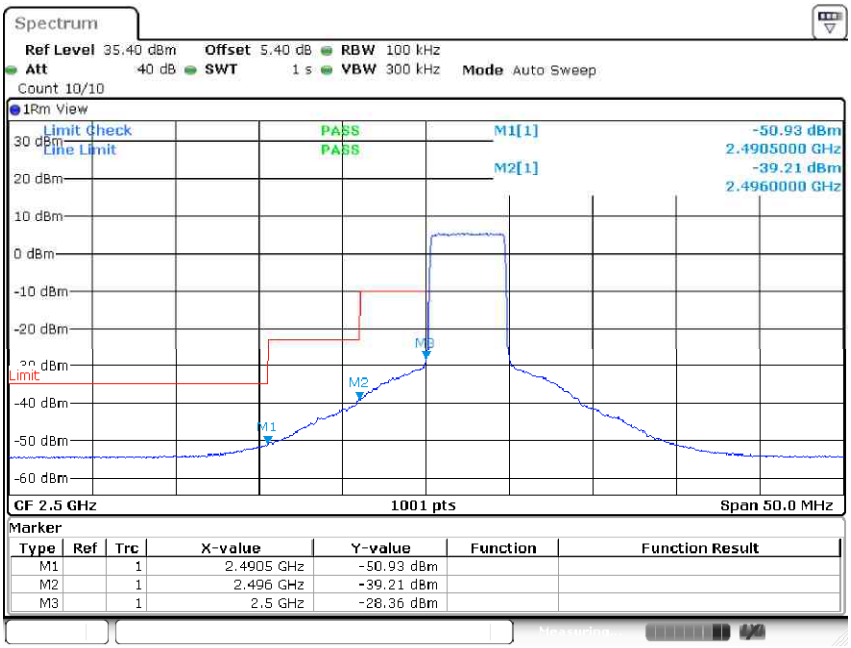

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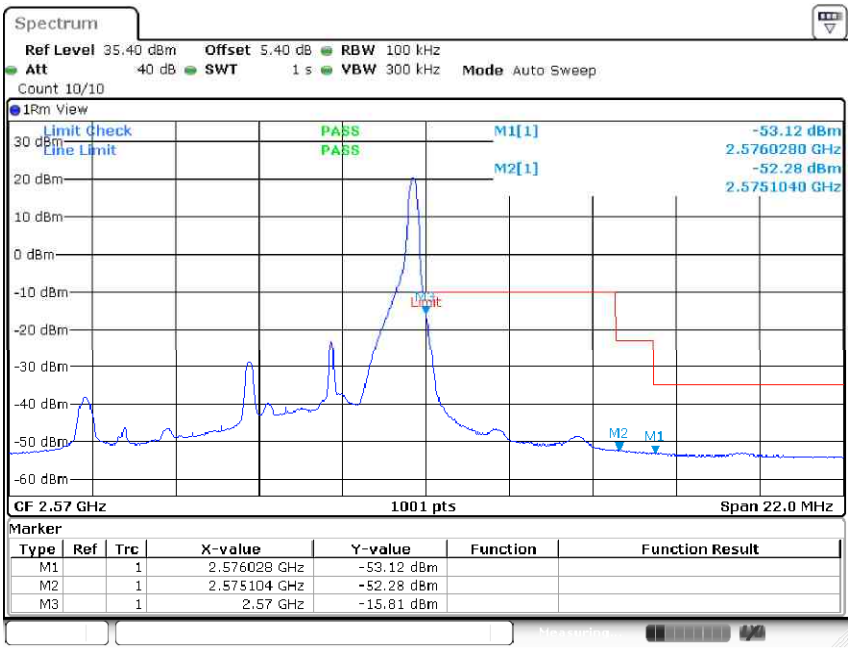
Band7-5MHz-64QAM-21425-1RB#24



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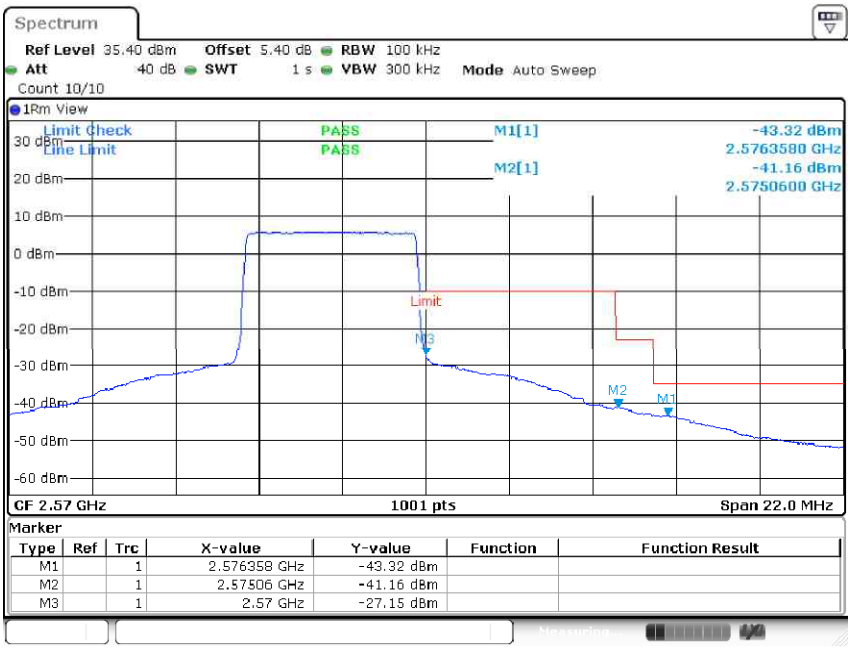

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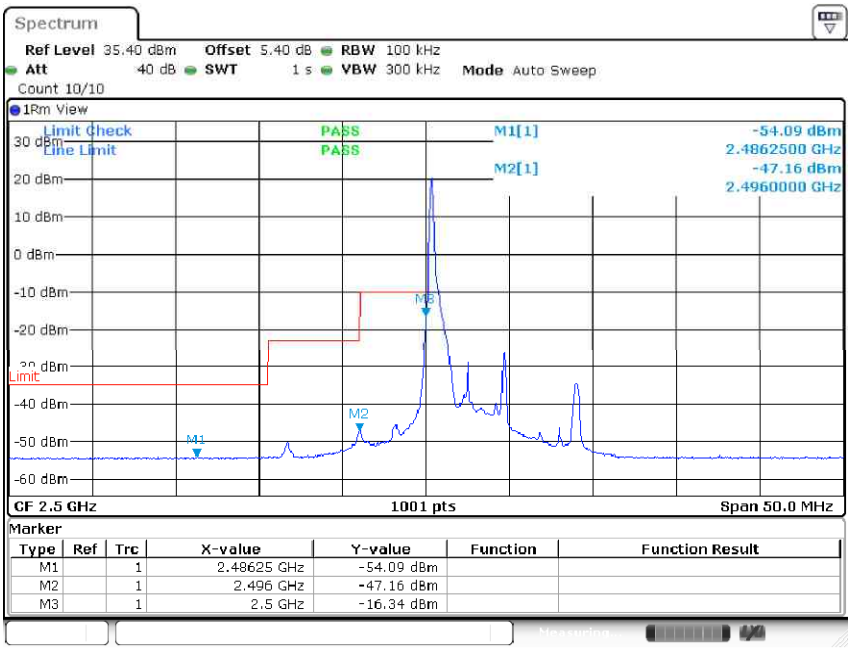

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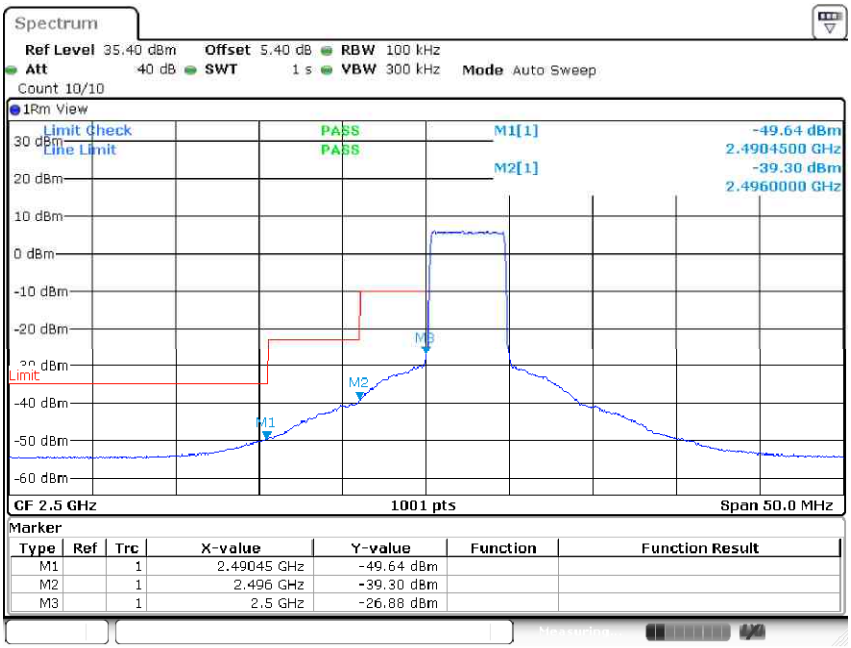

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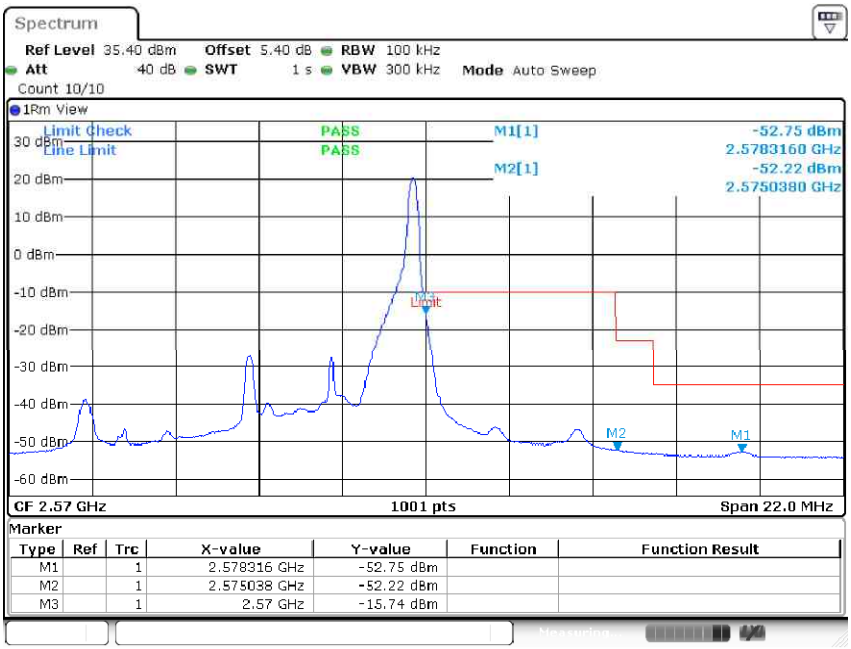
Band7-5MHz-16QAM-21425-1RB#24



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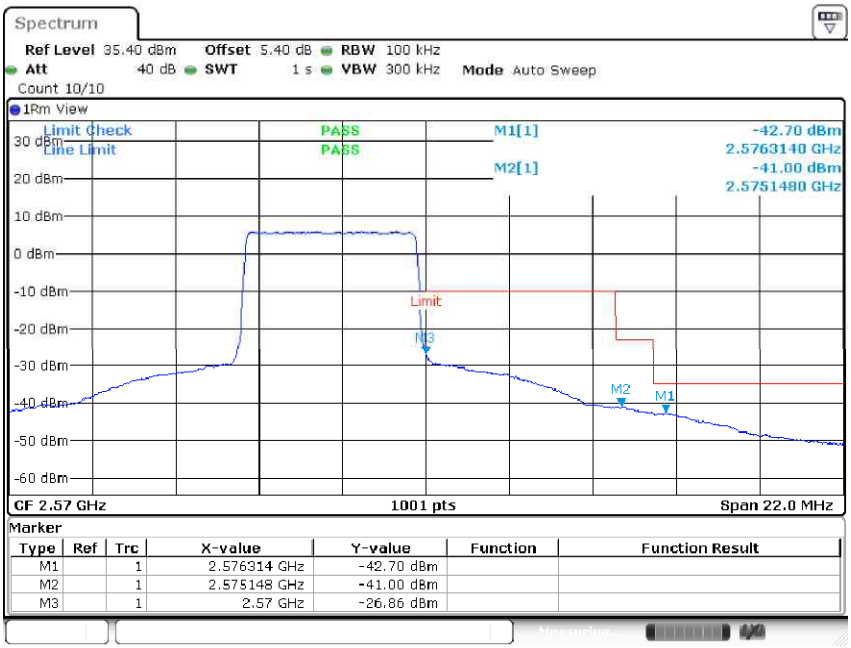

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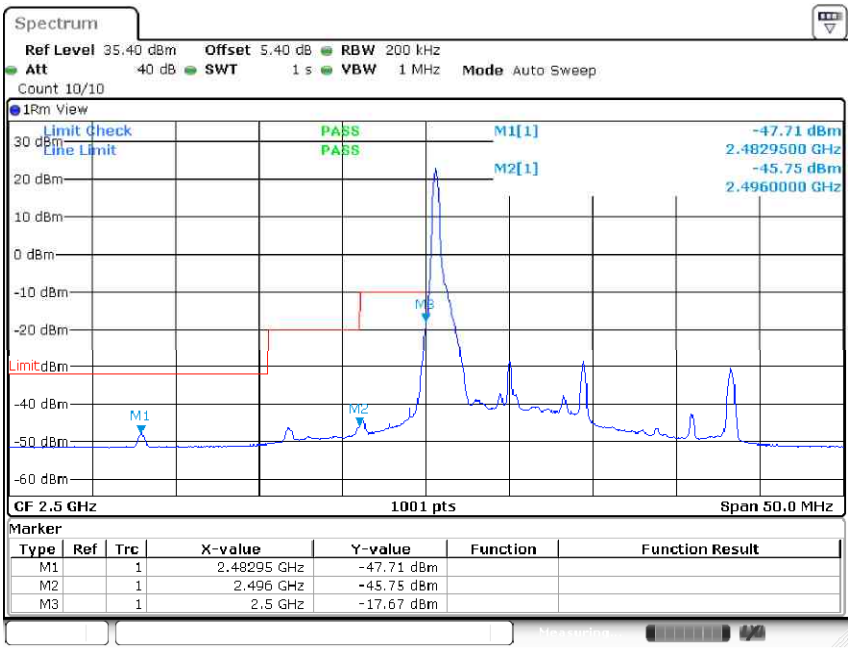
Band7-10MHz-QPSK-20800-1RB#0



Date: 9.JUL.2020 14:29:02

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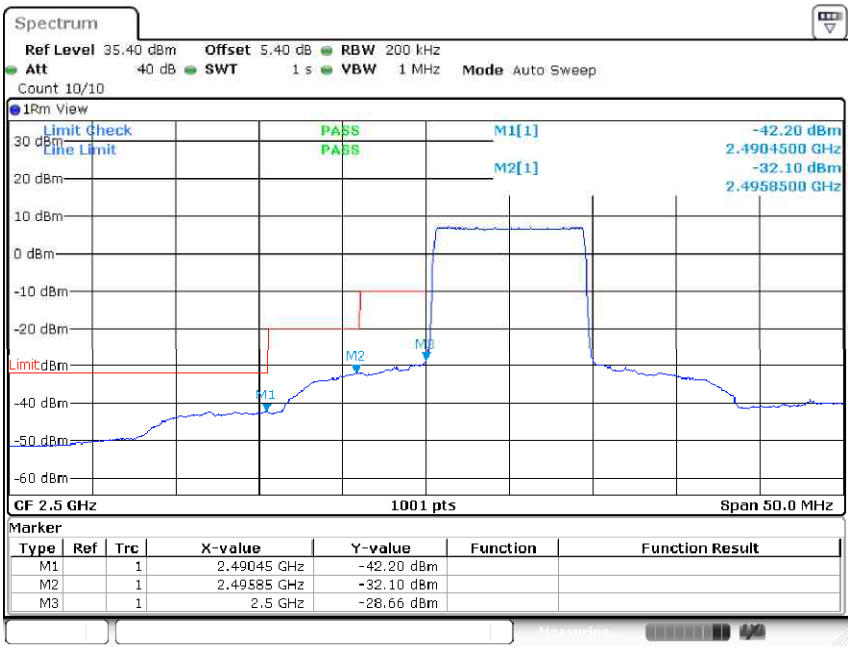
Band7-10MHz-QPSK-20800-50RB#0



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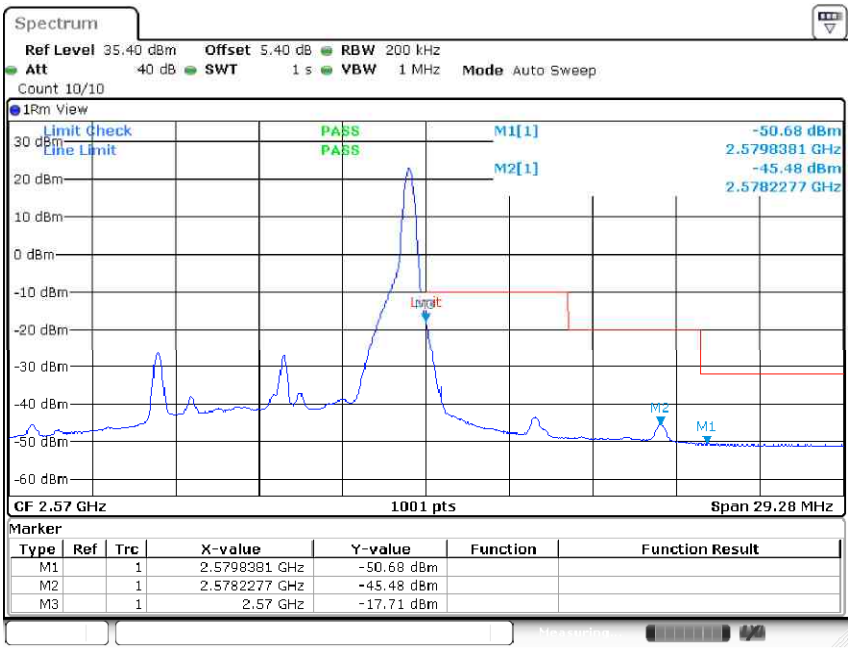
Band7-10MHz-QPSK-21400-1RB#49



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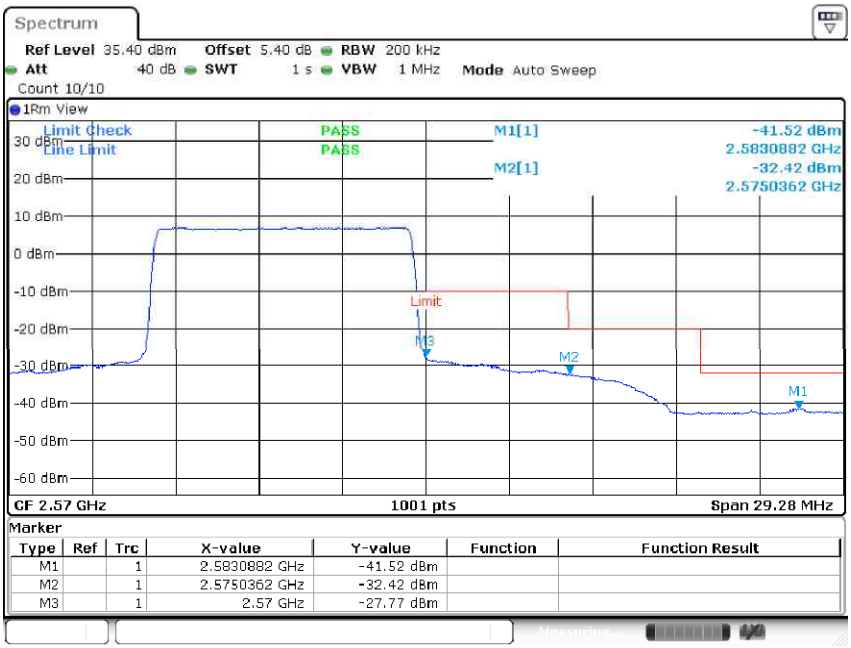
Band7-10MHz-QPSK-21400-50RB#0



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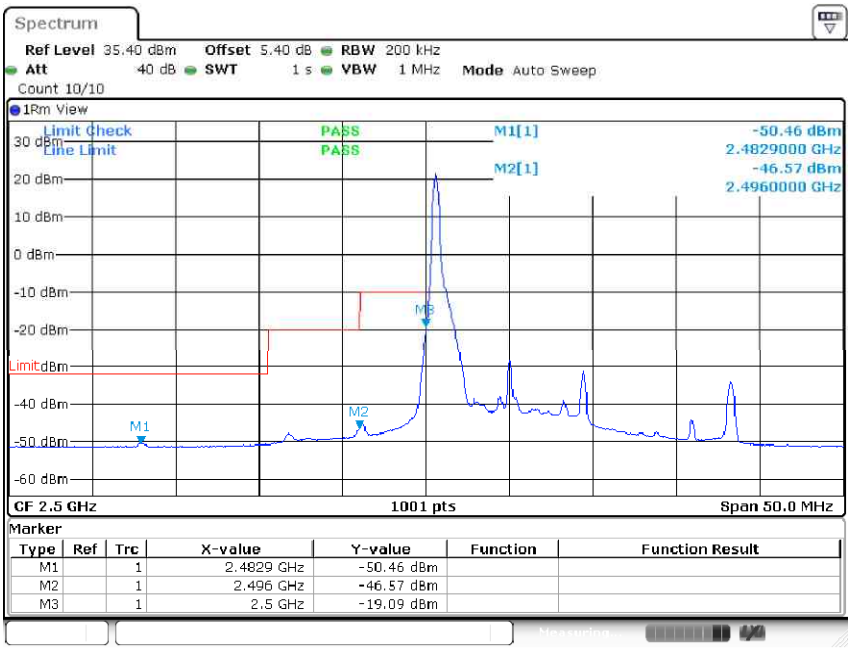
Band7-10MHz-64QAM-20800-1RB#0



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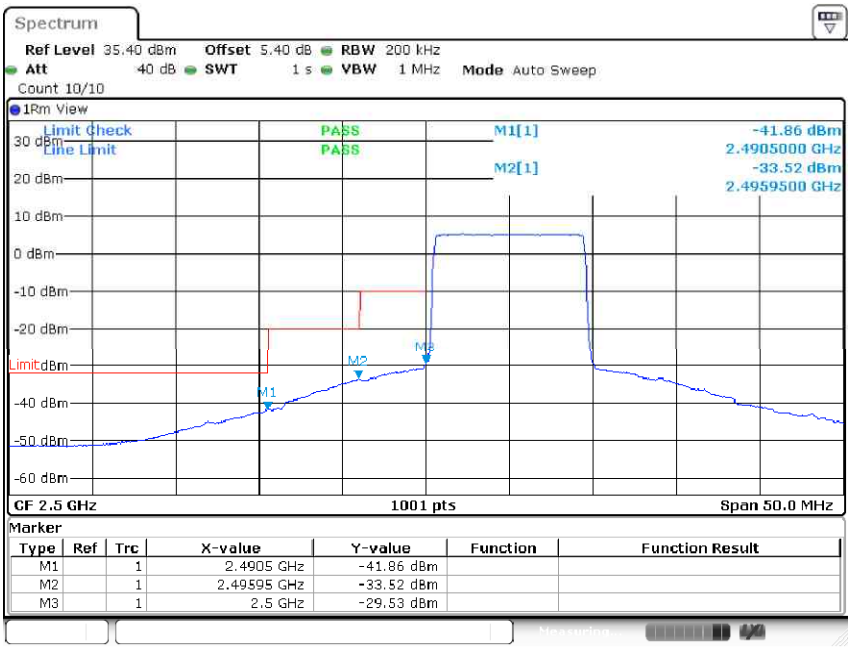
Band7-10MHz-64QAM-20800-50RB#0



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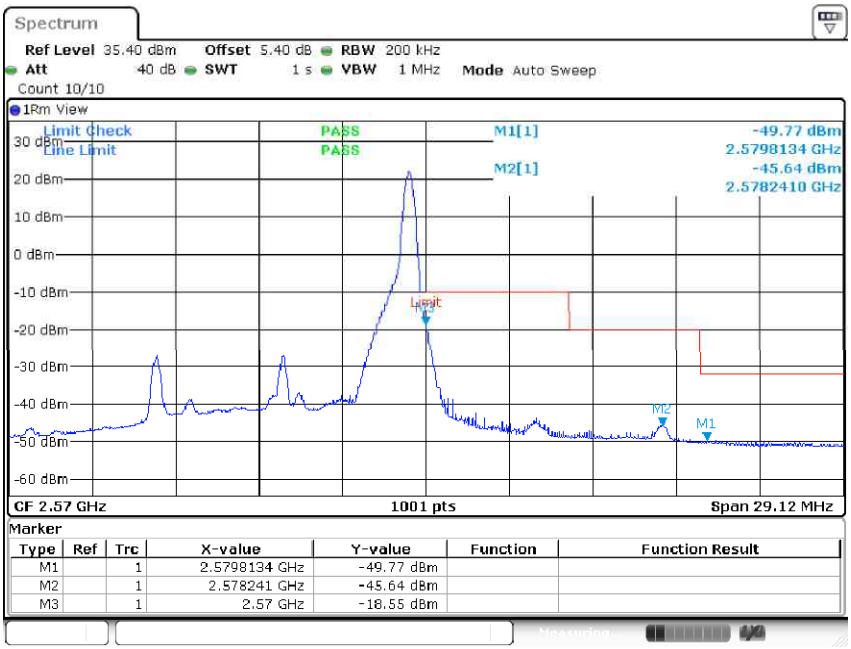
Band7-10MHz-64QAM-21400-1RB#49



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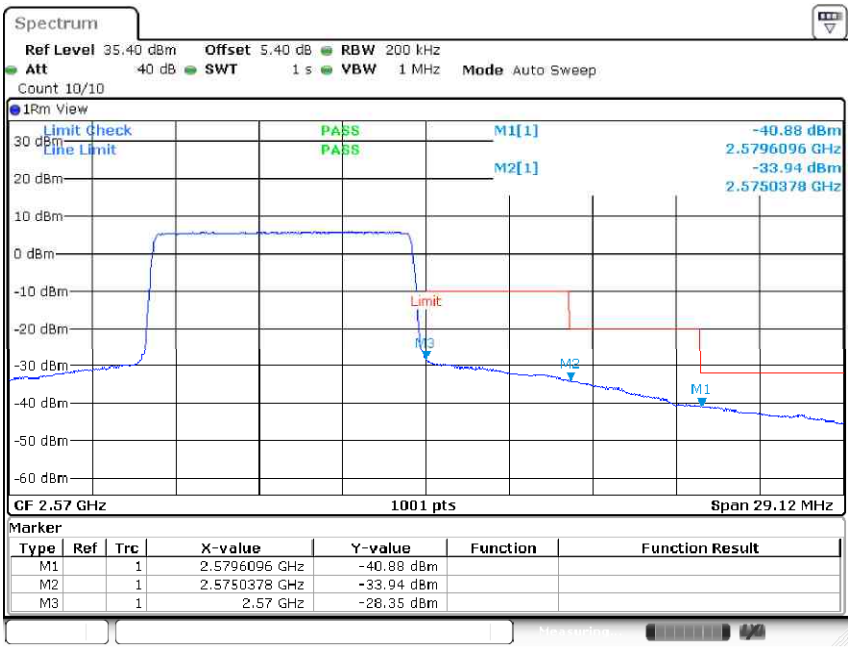

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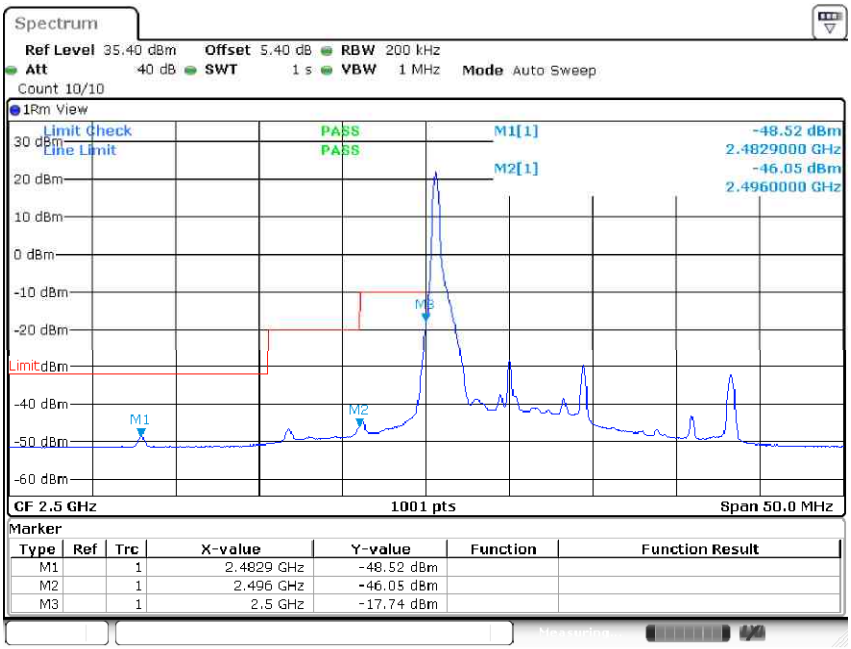

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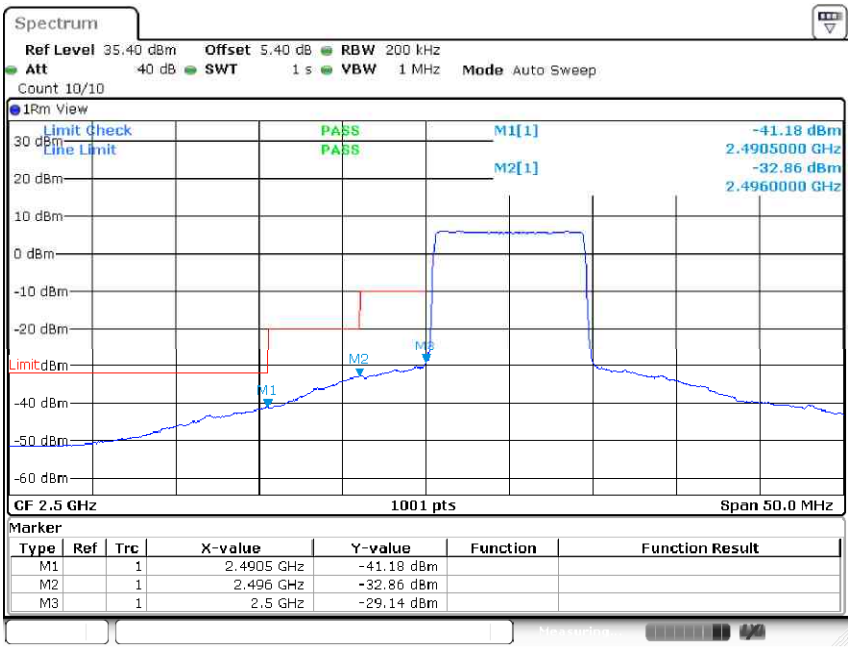
Band7-10MHz-16QAM-20800-50RB#0



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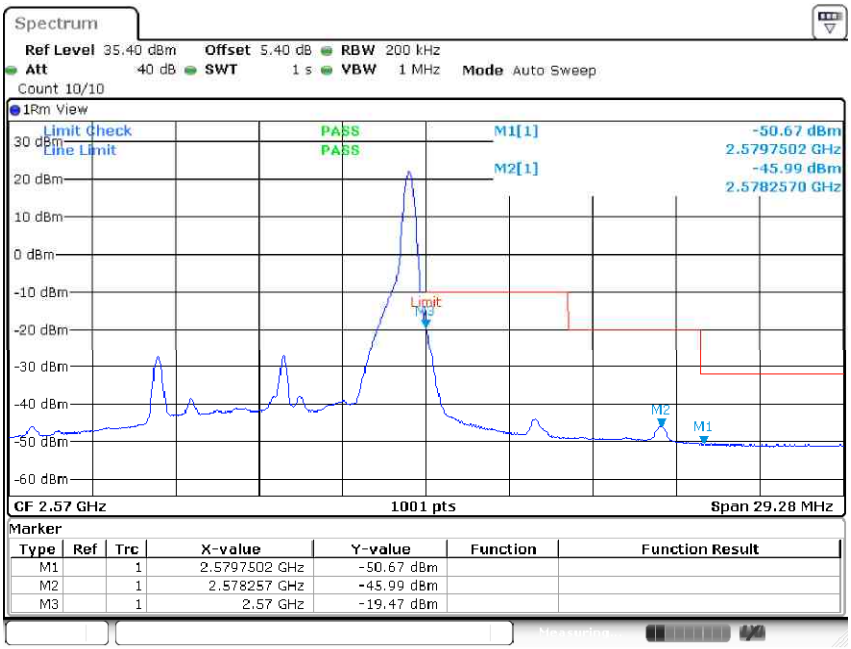
Band7-10MHz-16QAM-21400-1RB#49



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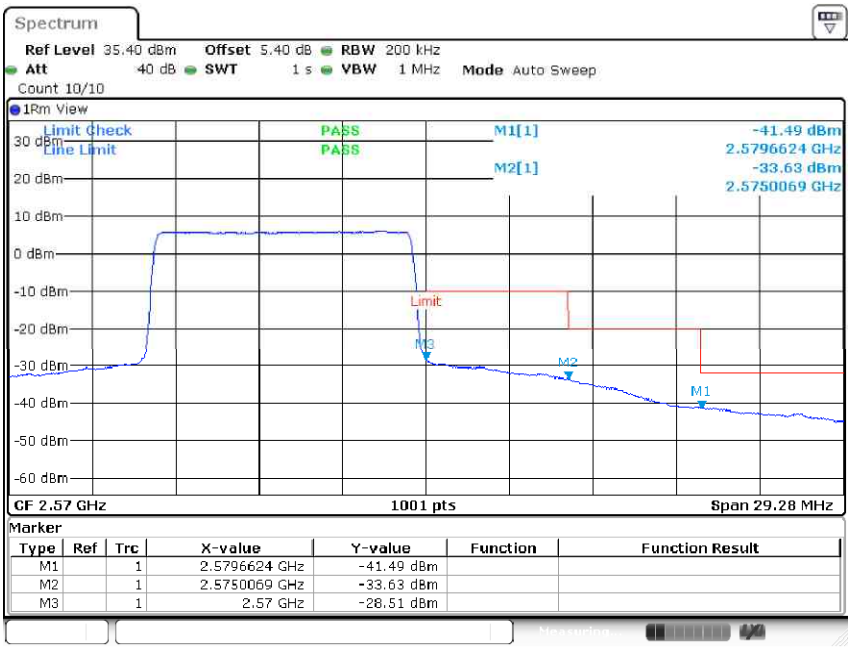
Band7-10MHz-16QAM-21400-50RB#0



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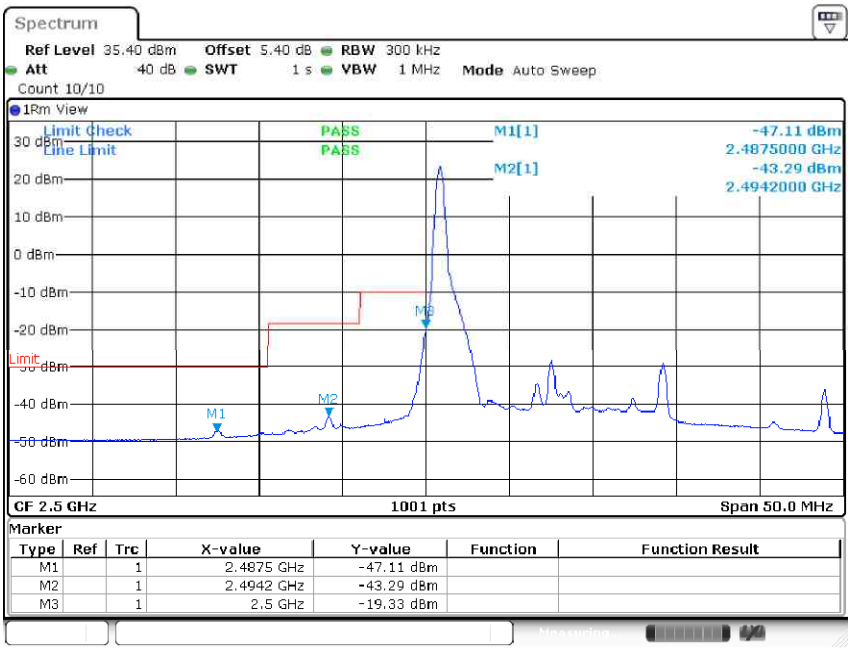
Band7-15MHz-QPSK-20825-1RB#0



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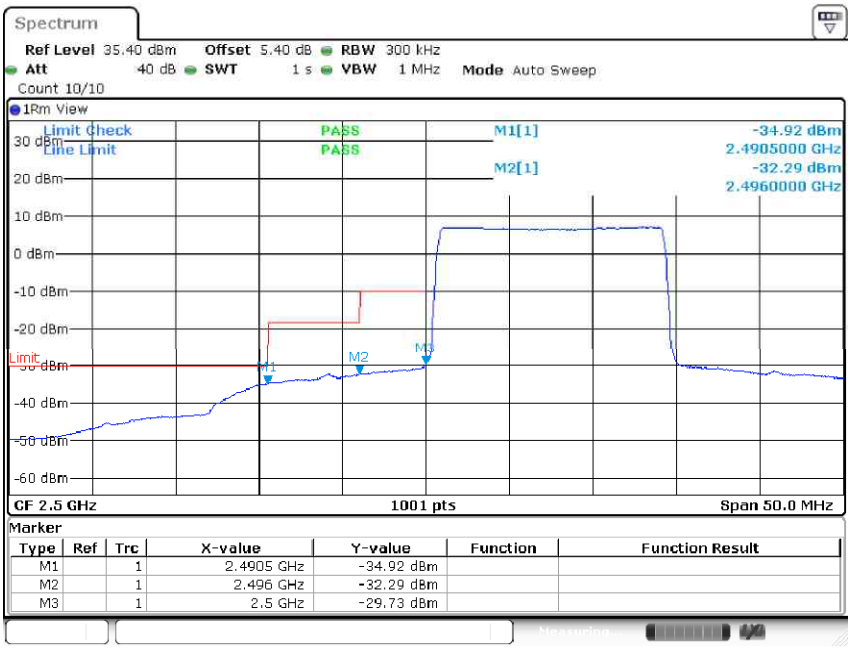
Band7-15MHz-QPSK-20825-75RB#0



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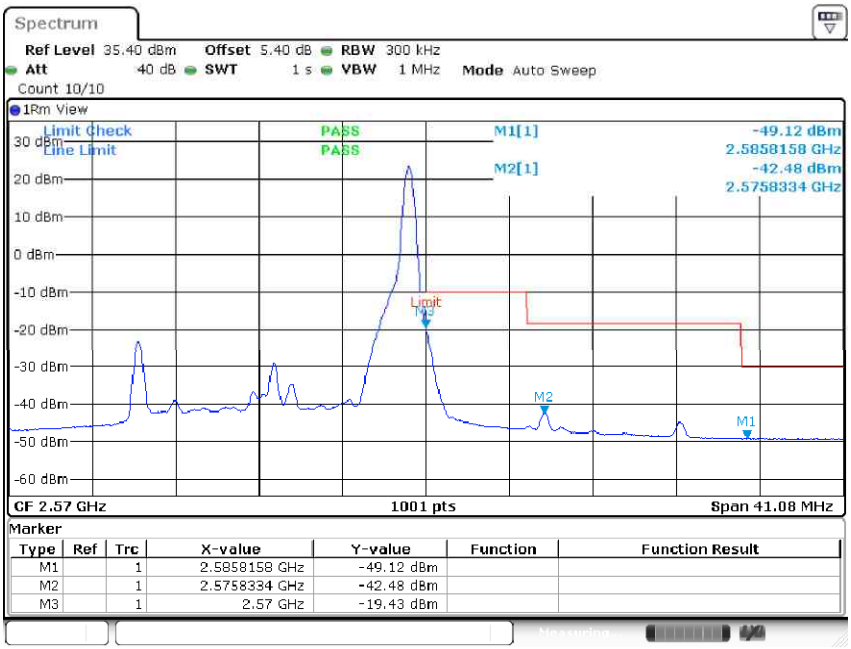
Band7-15MHz-QPSK-21375-1RB#74



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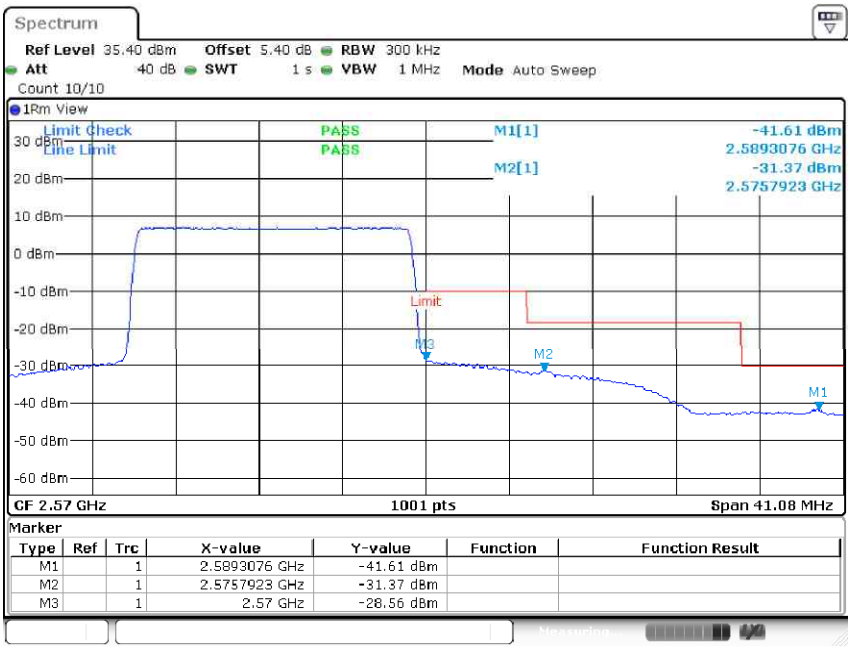
Band7-15MHz-QPSK-21375-75RB#0



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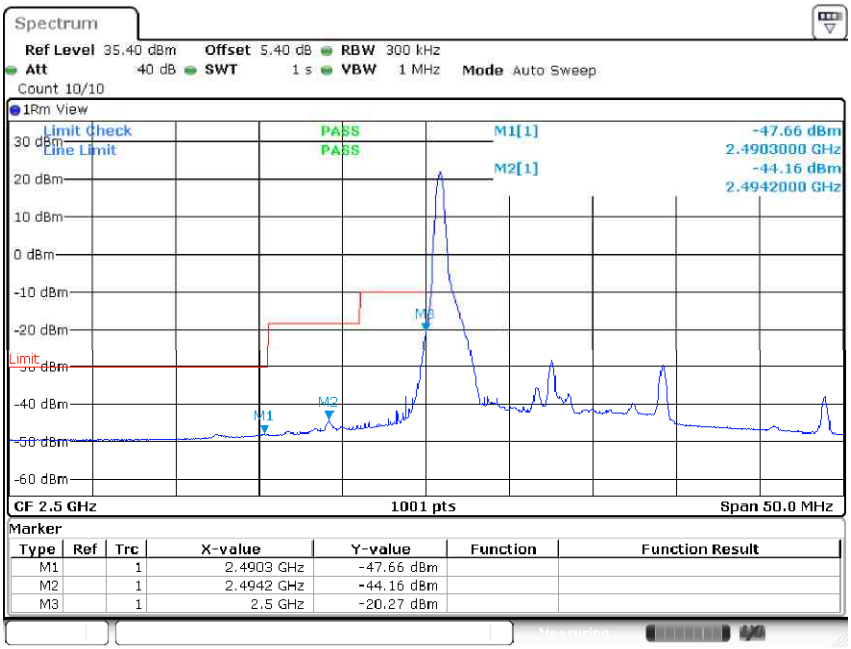
Band7-15MHz-64QAM-20825-1RB#0



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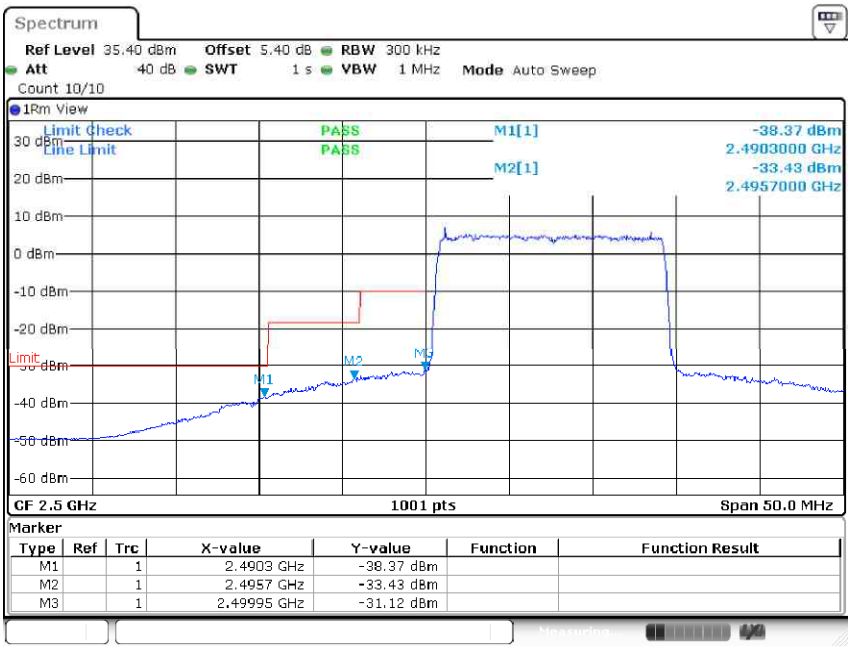
Band7-15MHz-64QAM-20825-75RB#0



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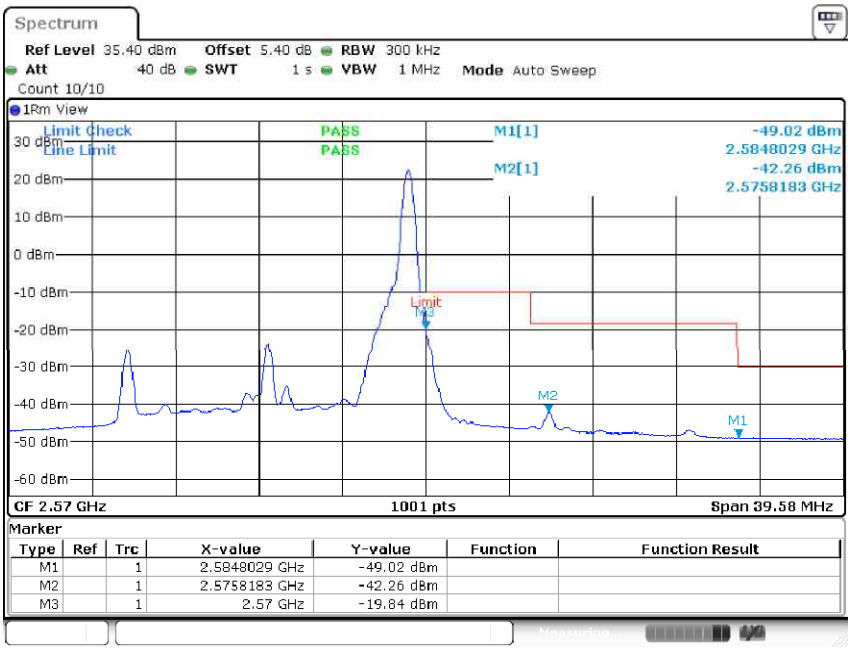
Band7-15MHz-64QAM-21375-1RB#74



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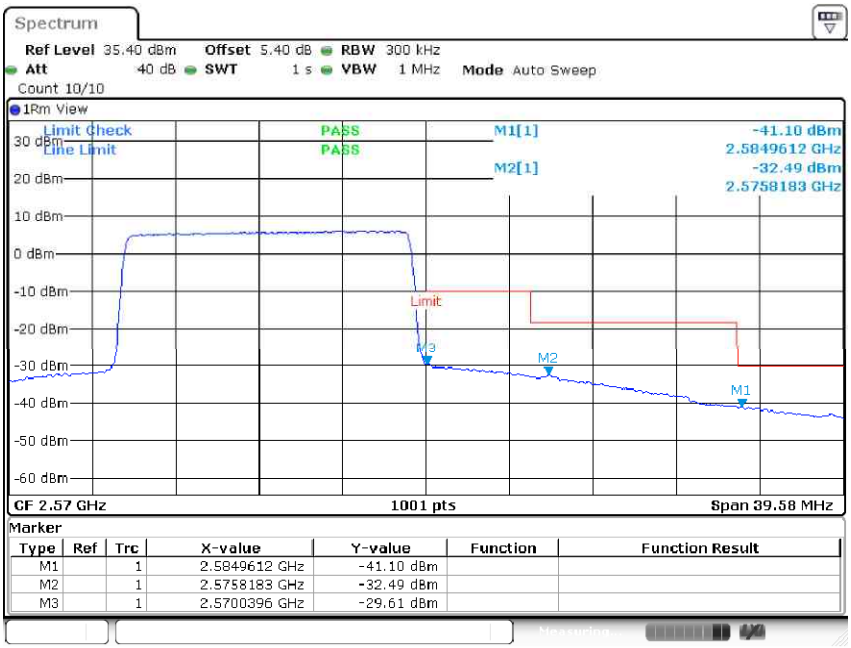

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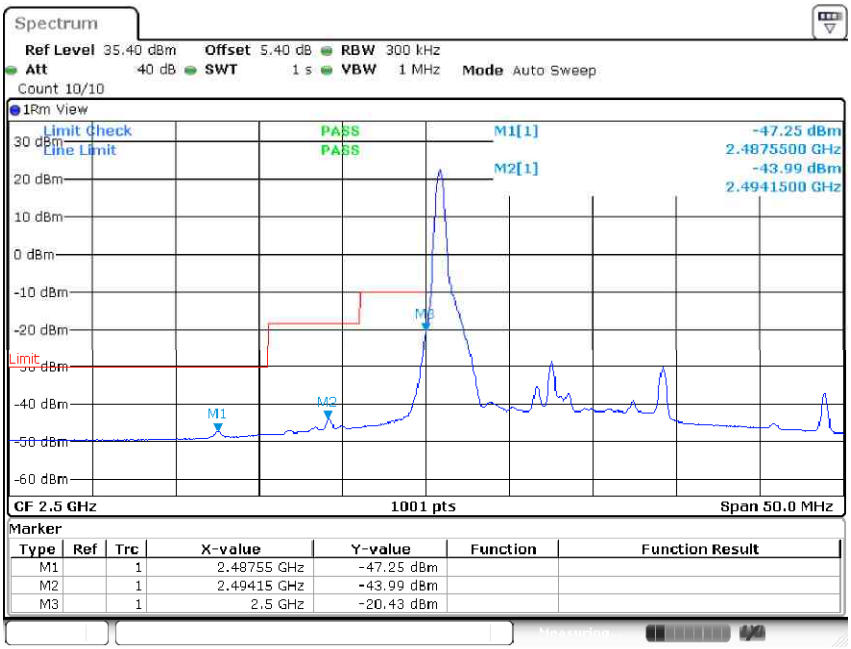
Band7-15MHz-16QAM-20825-1RB#0



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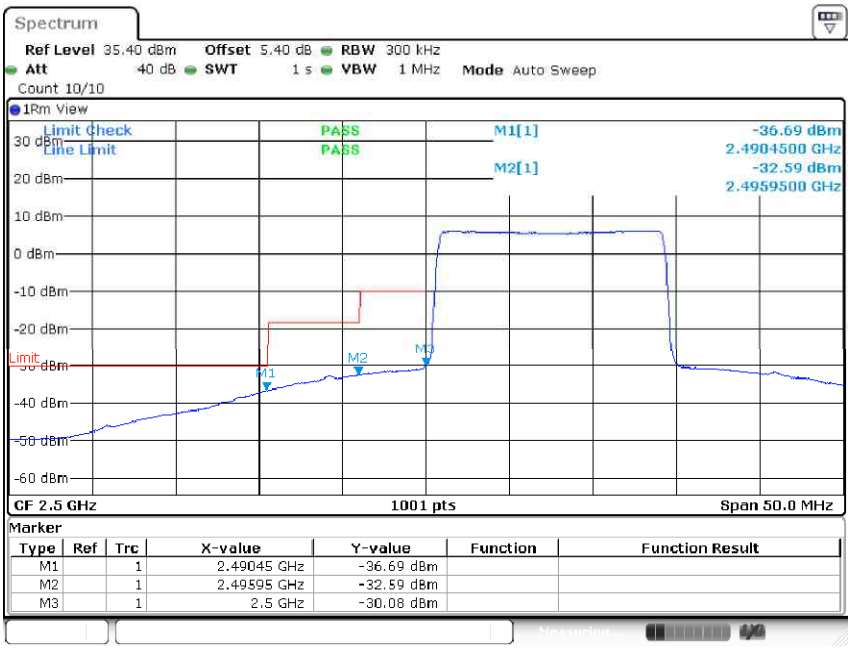
Band7-15MHz-16QAM-20825-75RB#0



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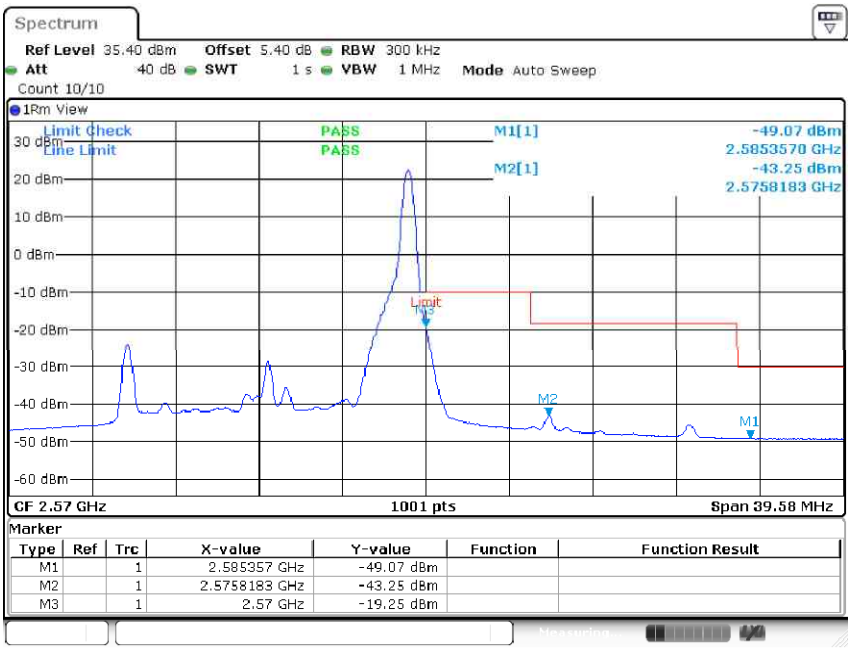
Band7-15MHz-16QAM-21375-1RB#74



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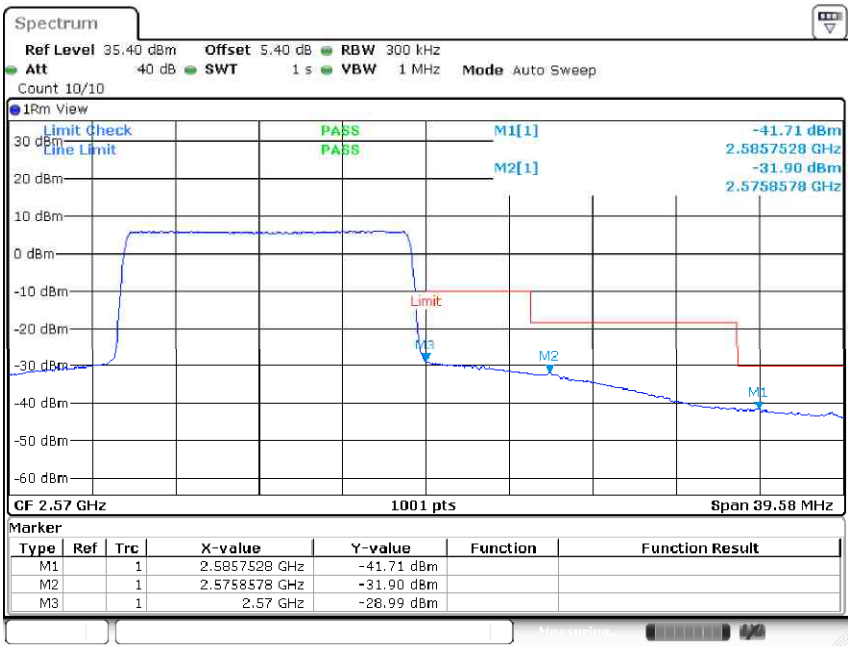
Band7-15MHz-16QAM-21375-75RB#0



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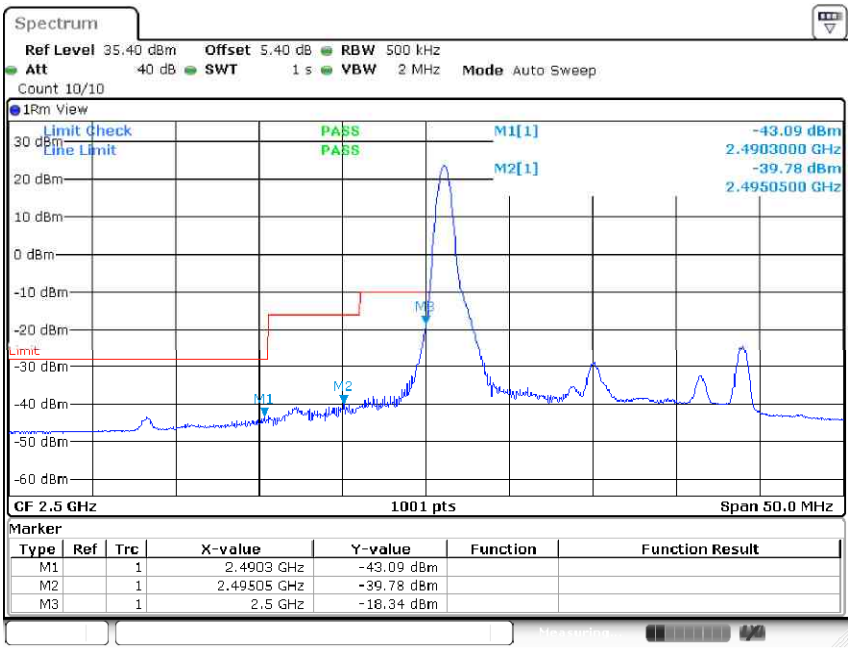
Band7-20MHz-QPSK-20850-1RB#0



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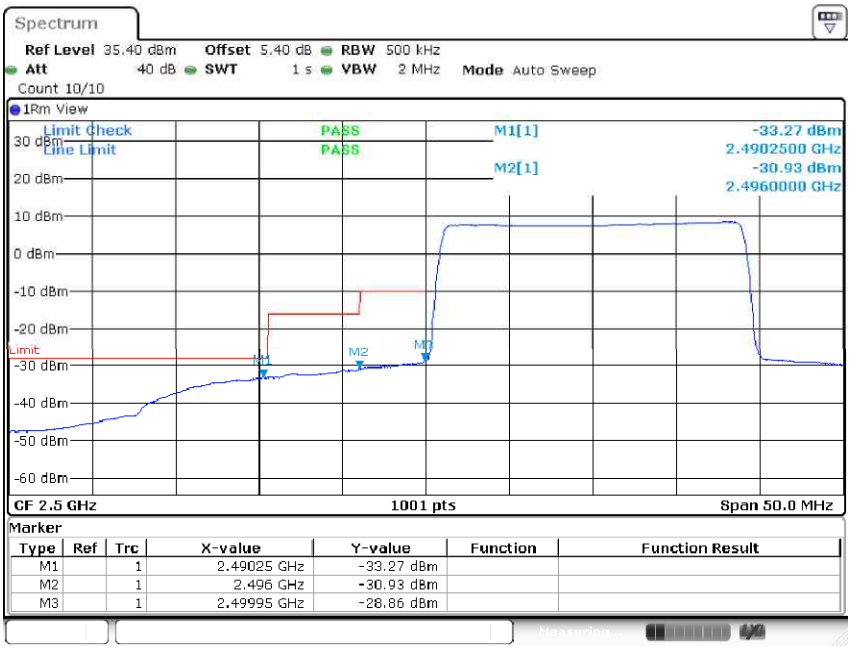
Band7-20MHz-QPSK-20850-100RB#0



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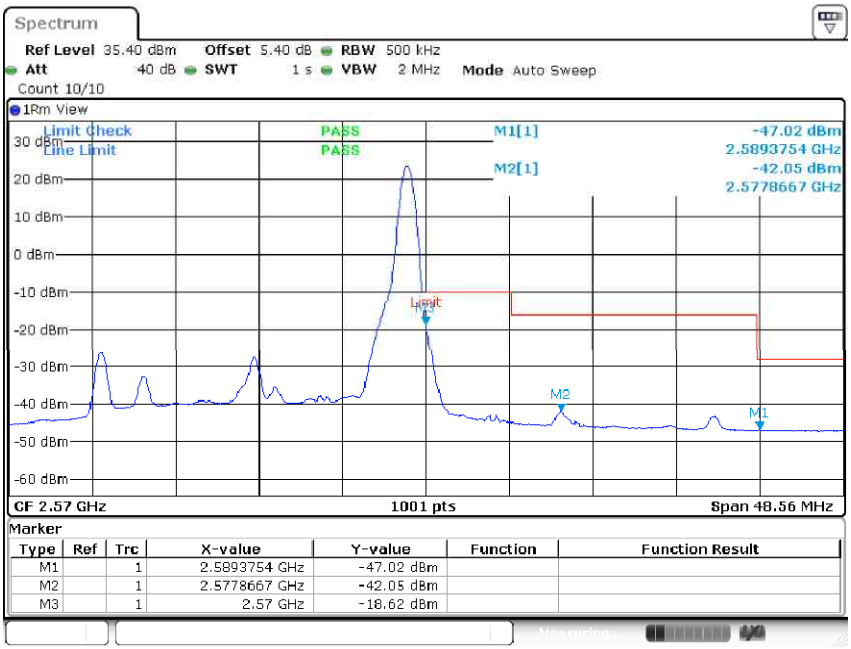
Band7-20MHz-QPSK-21350-1RB#99



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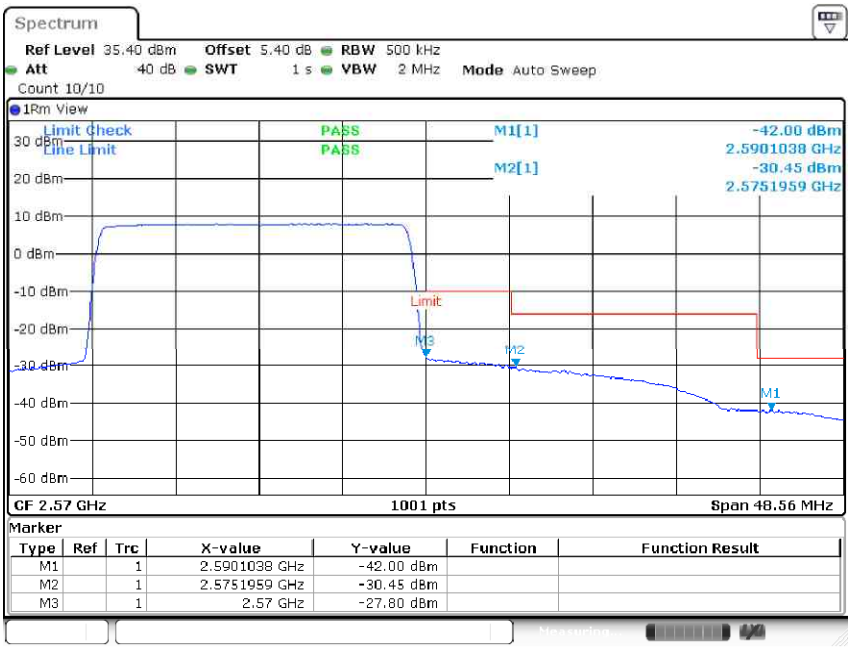
Band7-20MHz-QPSK-21350-100RB#0



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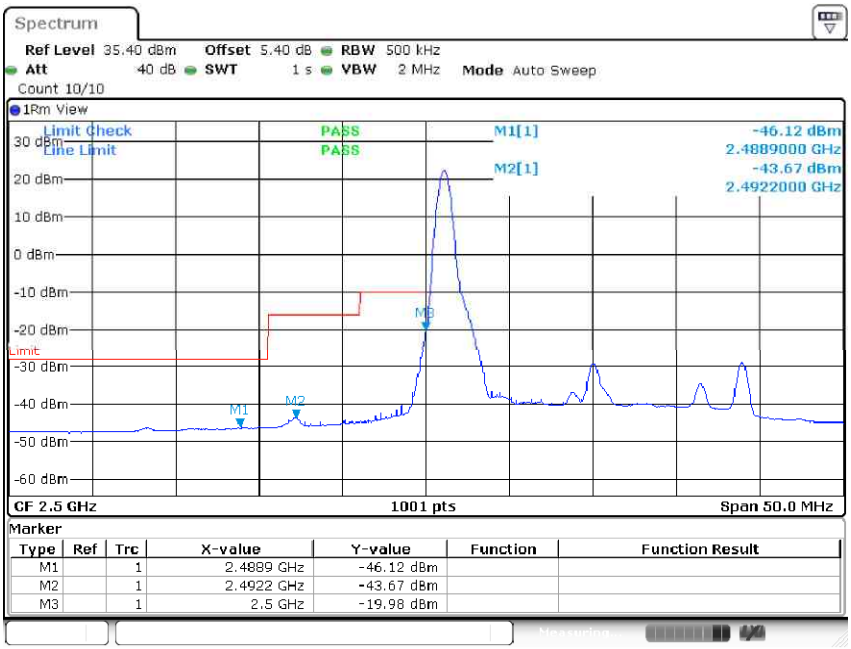

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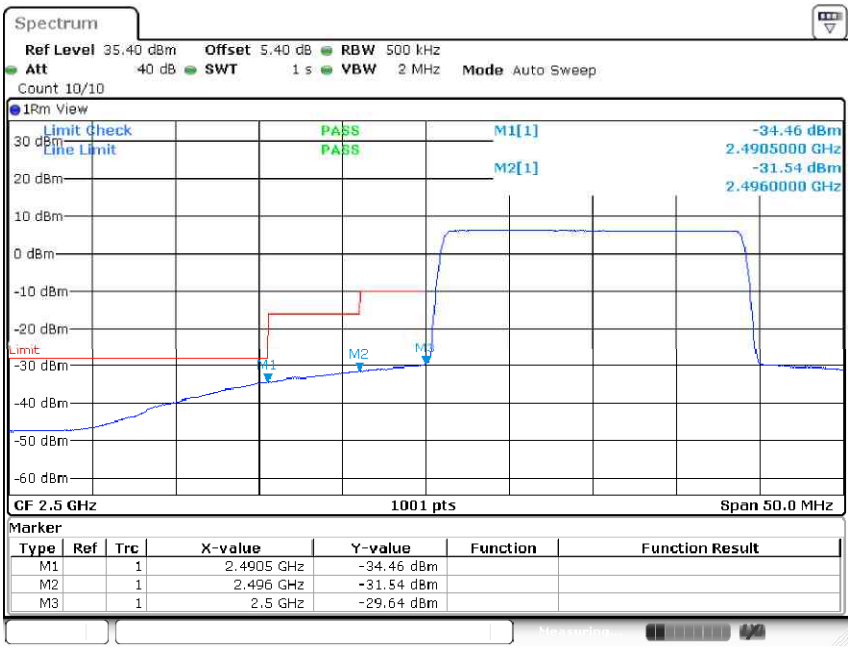
Band7-20MHz-64QAM-20850-100RB#0



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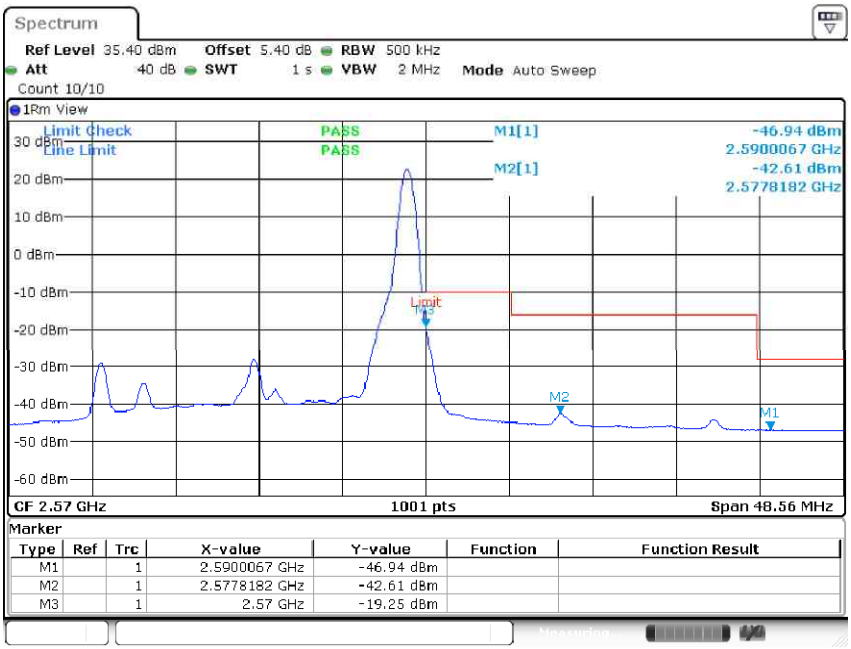
Band7-20MHz-64QAM-21350-1RB#99



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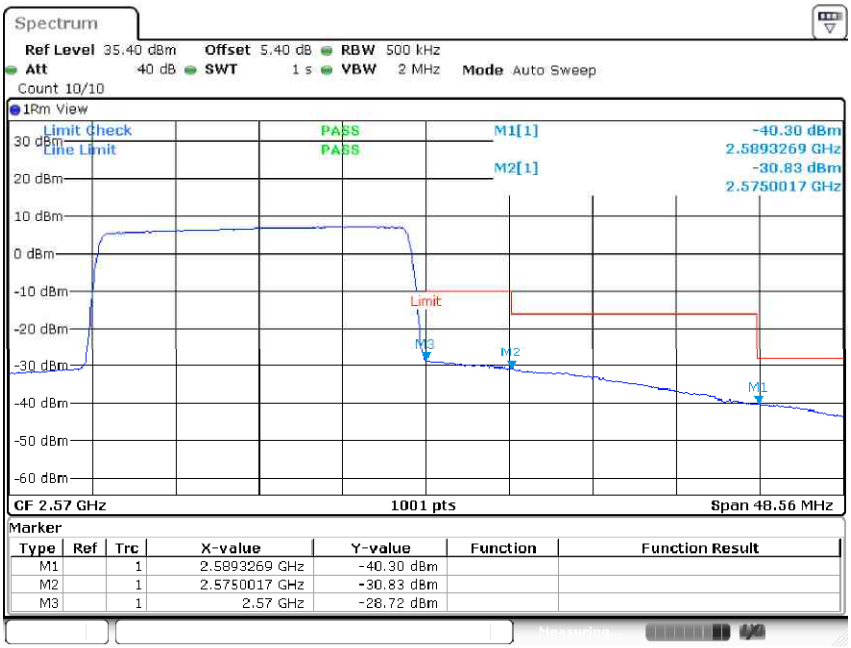
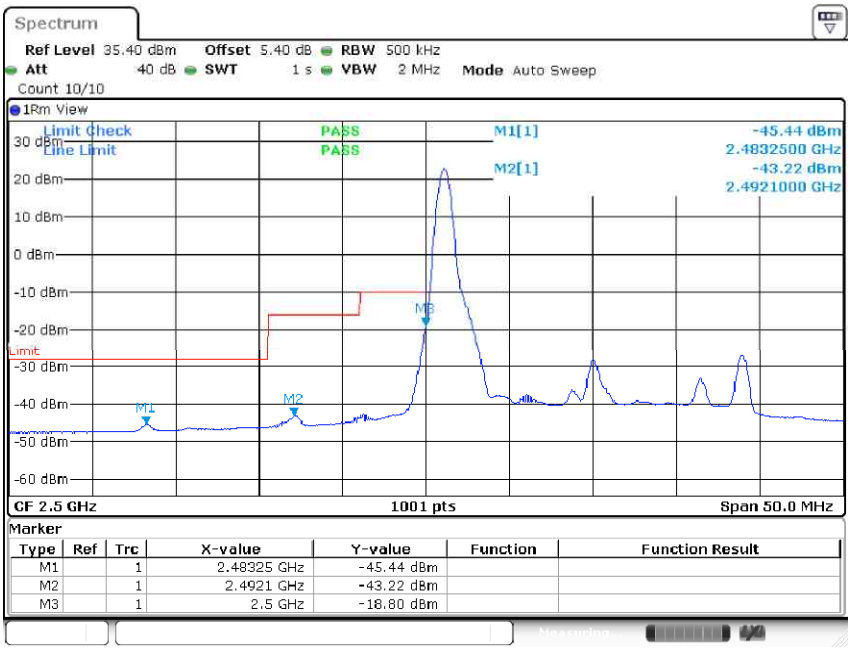
Band7-20MHz-64QAM-21350-100RB#0



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



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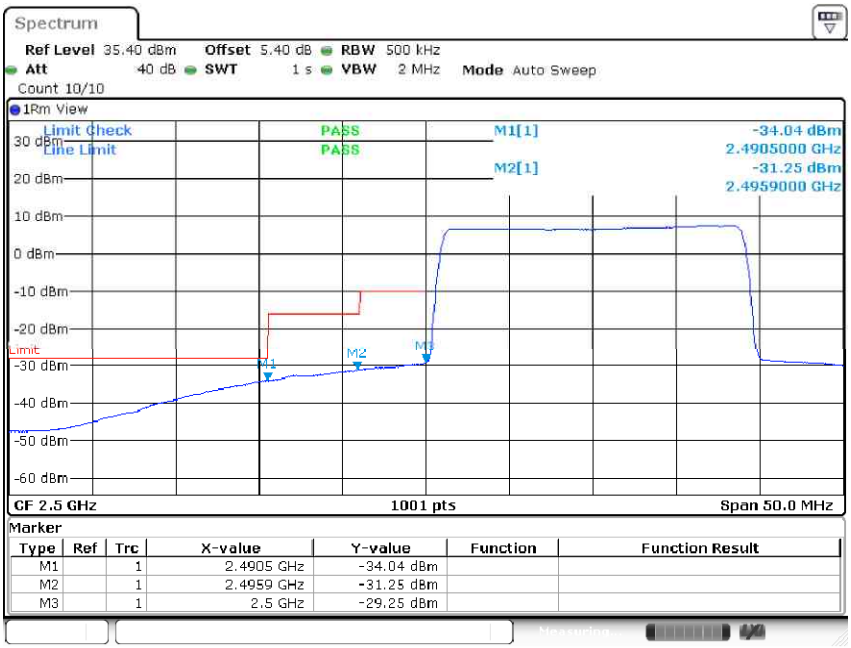
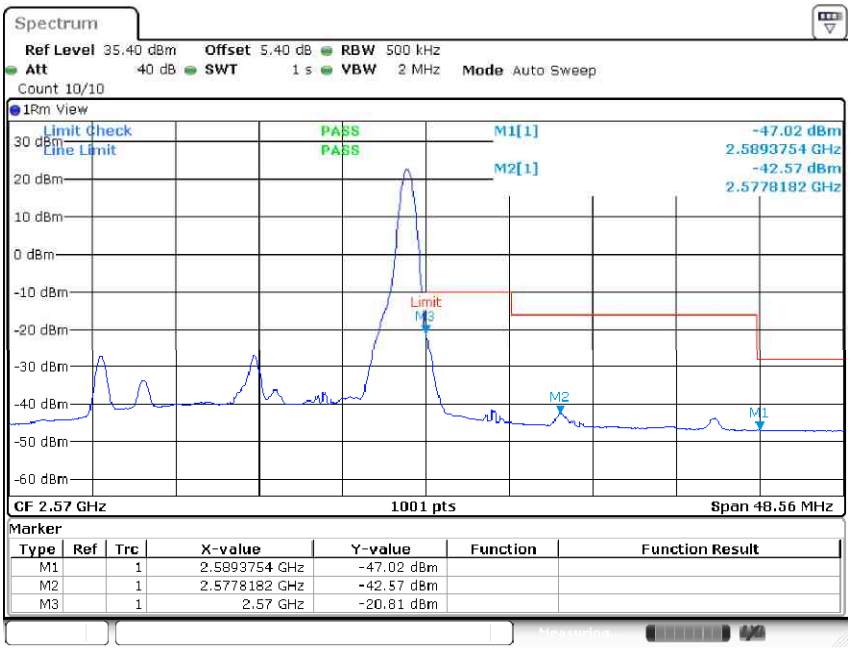
Band7-20MHz-16QAM-20850-100RB#0



Date: 9.JUL.2020 14:37:07

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



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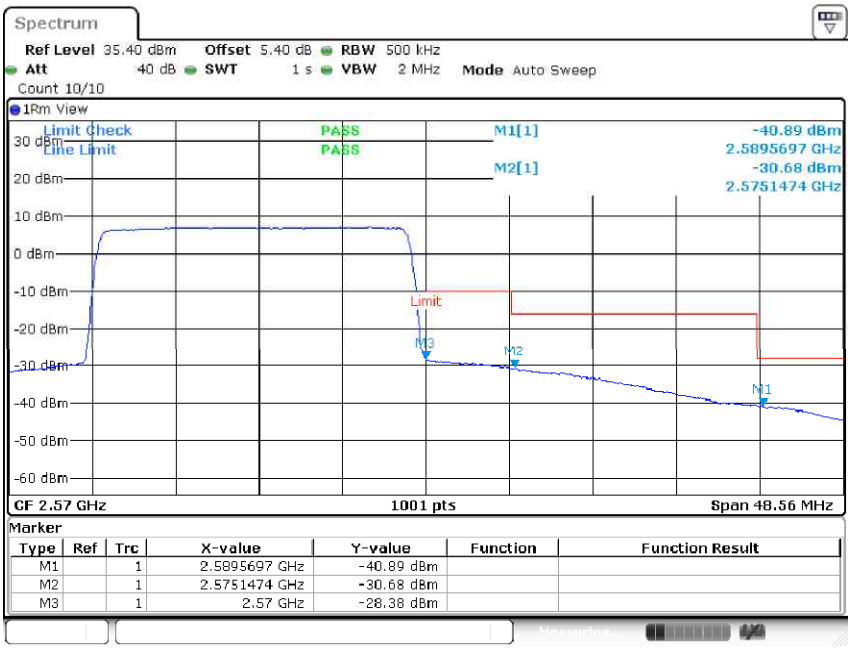
Band7-20MHz-16QAM-21350-100RB#0



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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.

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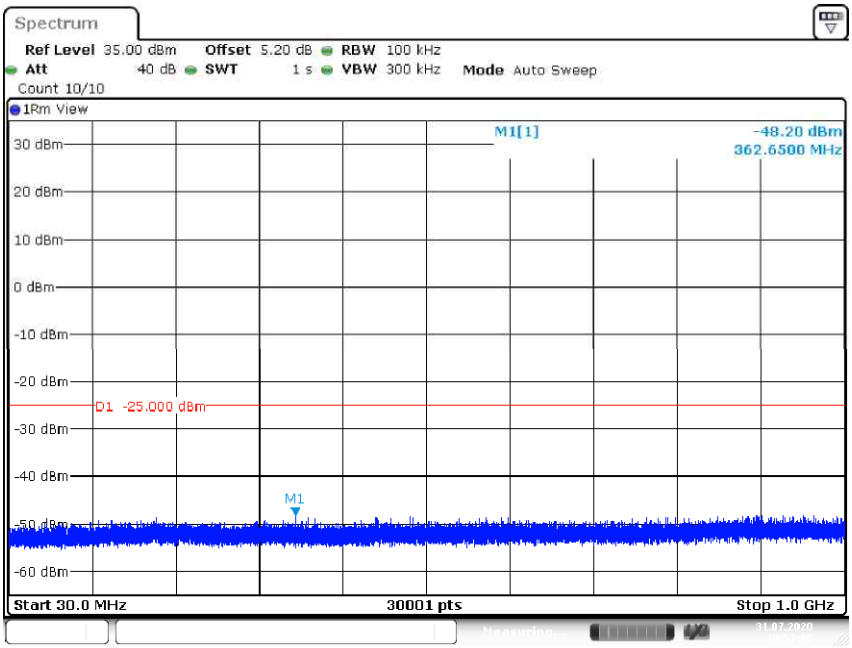
6.1. Test Plots

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



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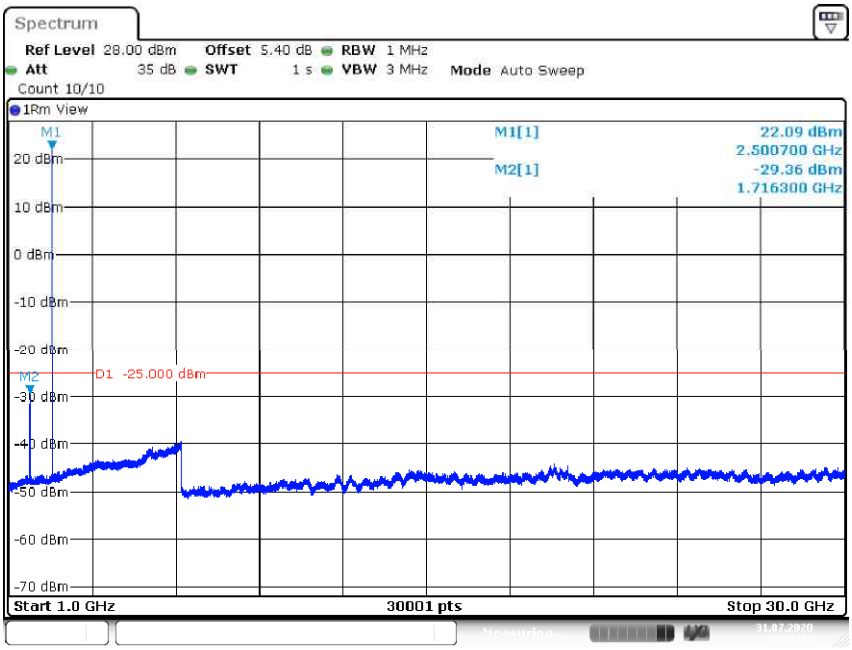
Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~30000MHz



Date: 31.JUL.2020 10:51:23

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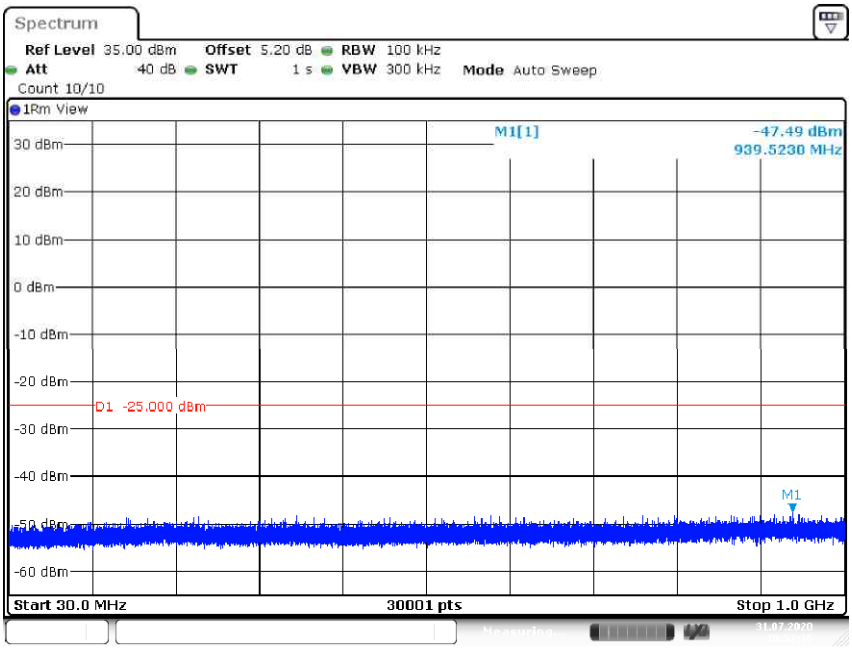
Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



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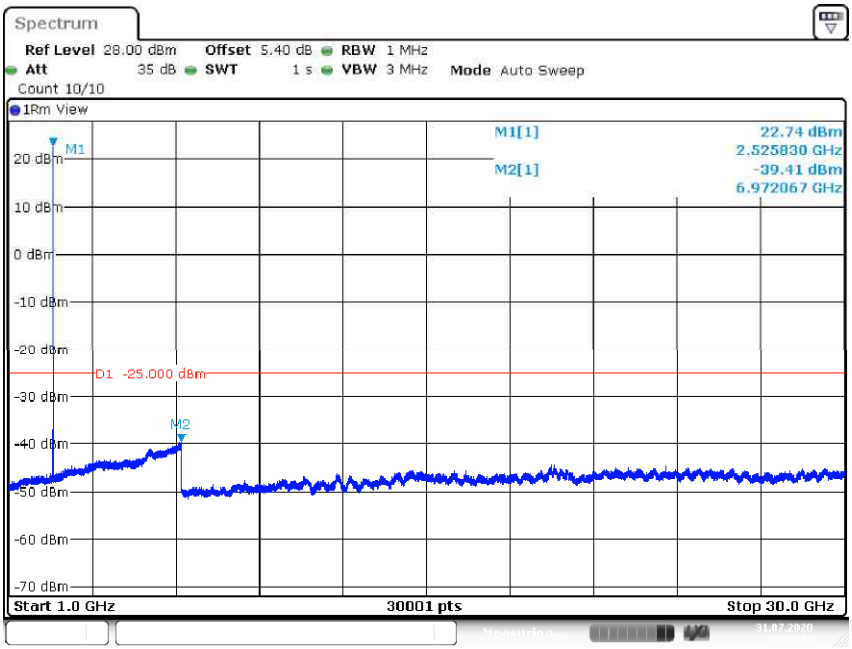
Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~30000MHz



Date: 31.JUL.2020 10:52:33

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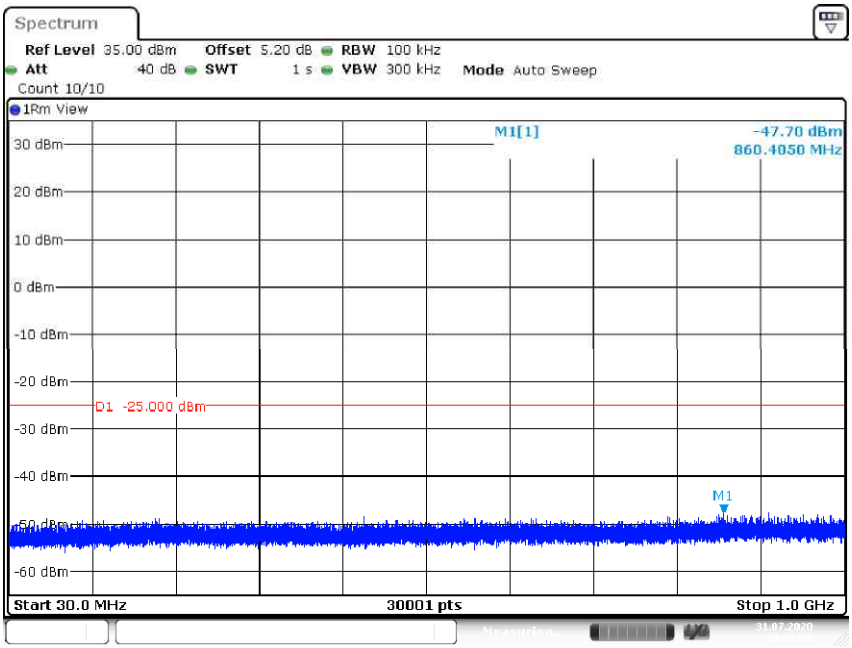

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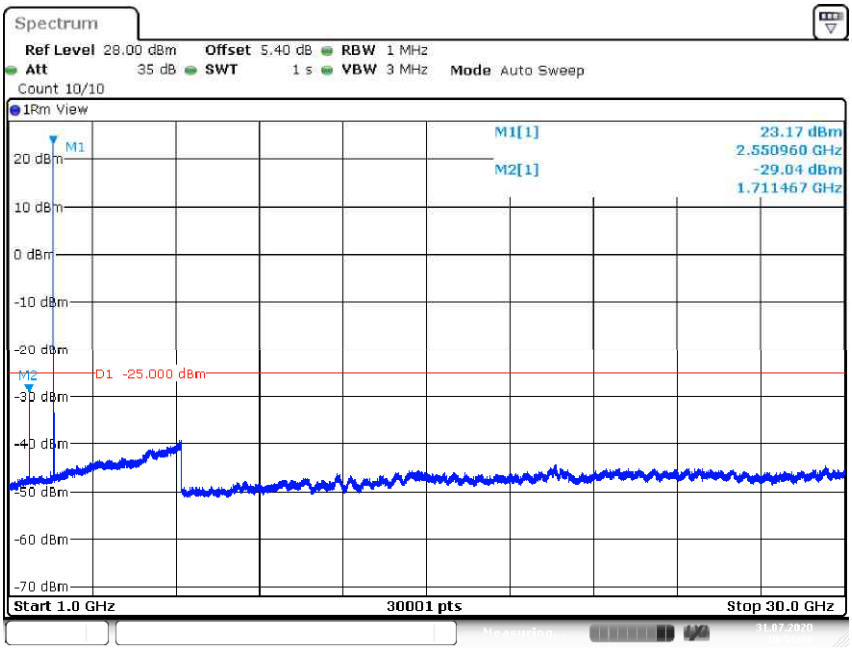

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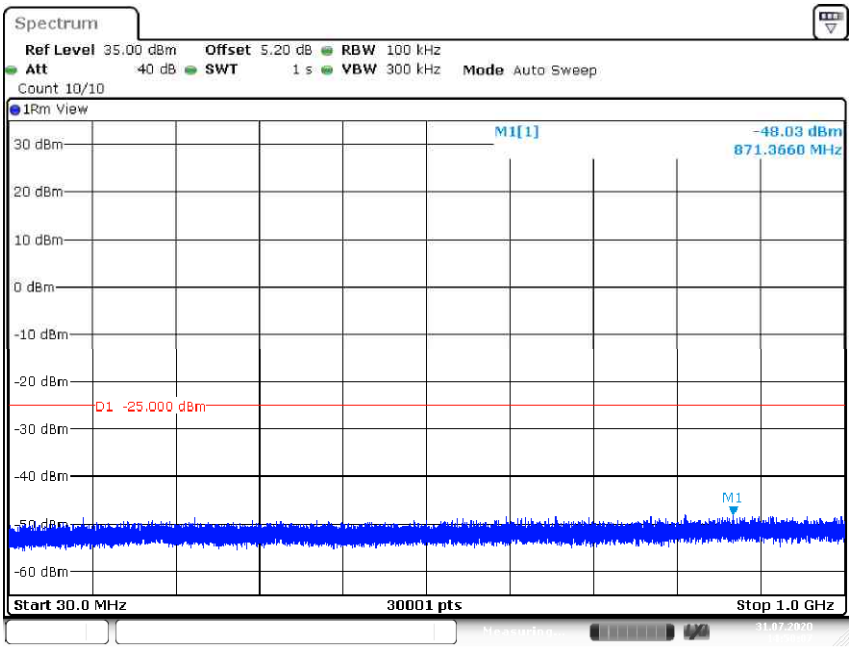
Band7-20MHz-64QAM-20850-1RB#0-Range1:30~1000MHz



Date: 31.JUL.2020 14:50:07

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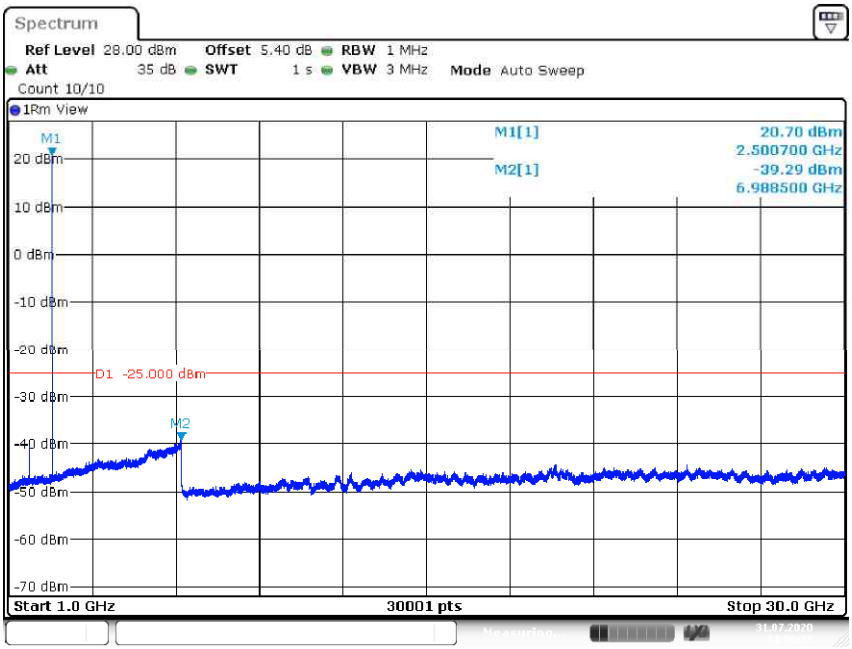

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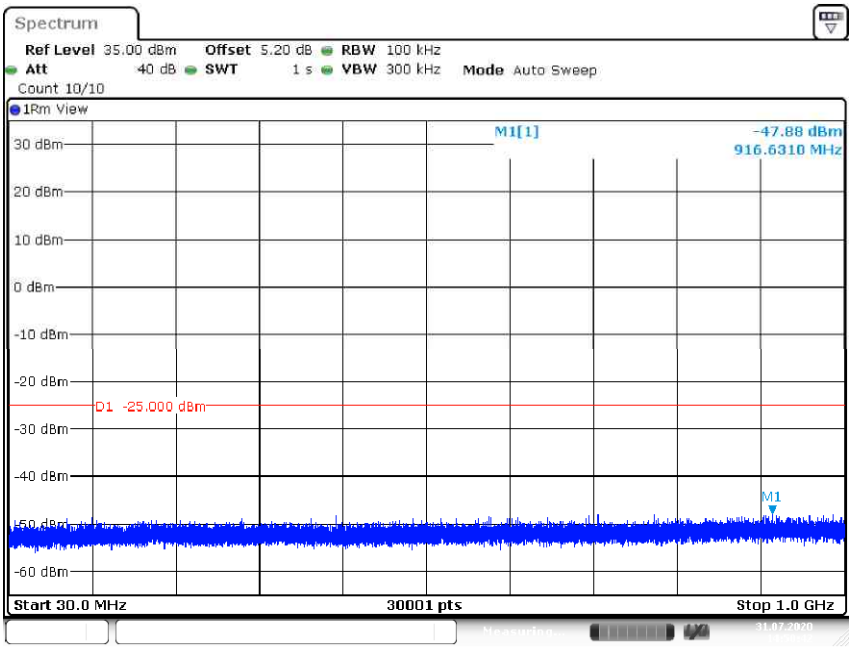
Band7-20MHz-64QAM-21100-1RB#0-Range1:30~1000MHz



Date: 31.JUL.2020 14:50:42

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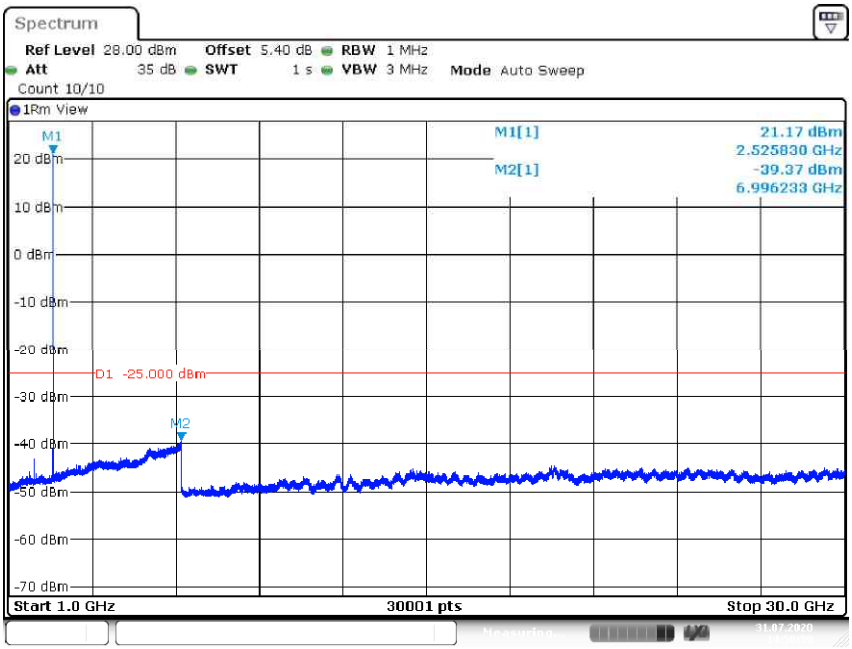

Date: 31.JUL.2020 14:50:59

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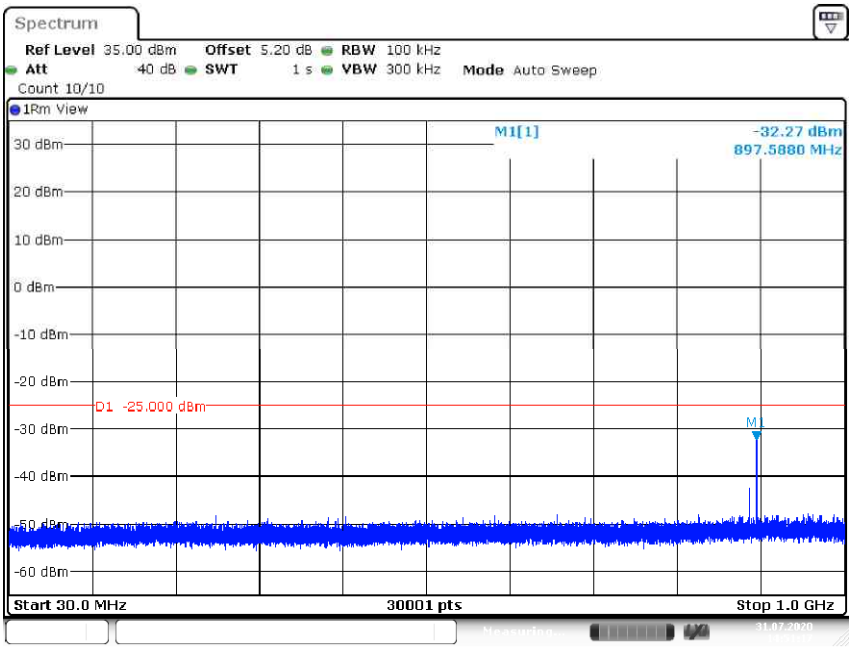
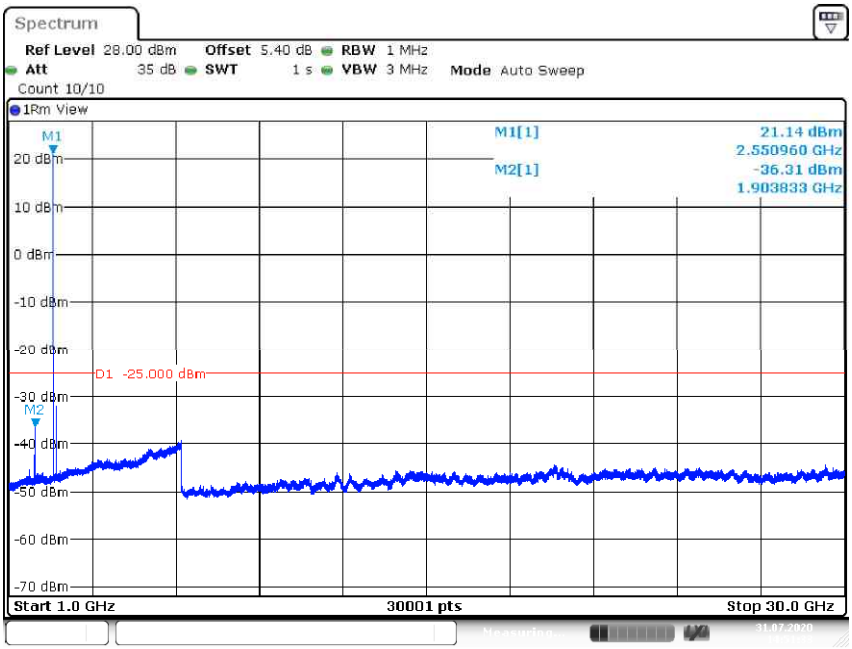
Band7-20MHz-64QAM-21350-1RB#0-Range1:30~1000MHz



Date: 31.JUL.2020 14:51:18

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



Date: 31.JUL.2020 14:51:34

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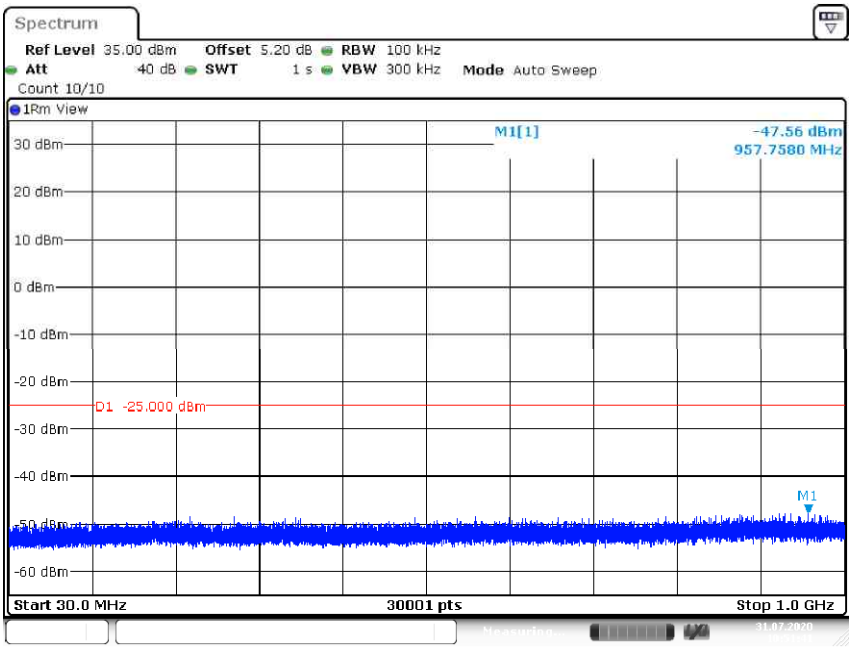
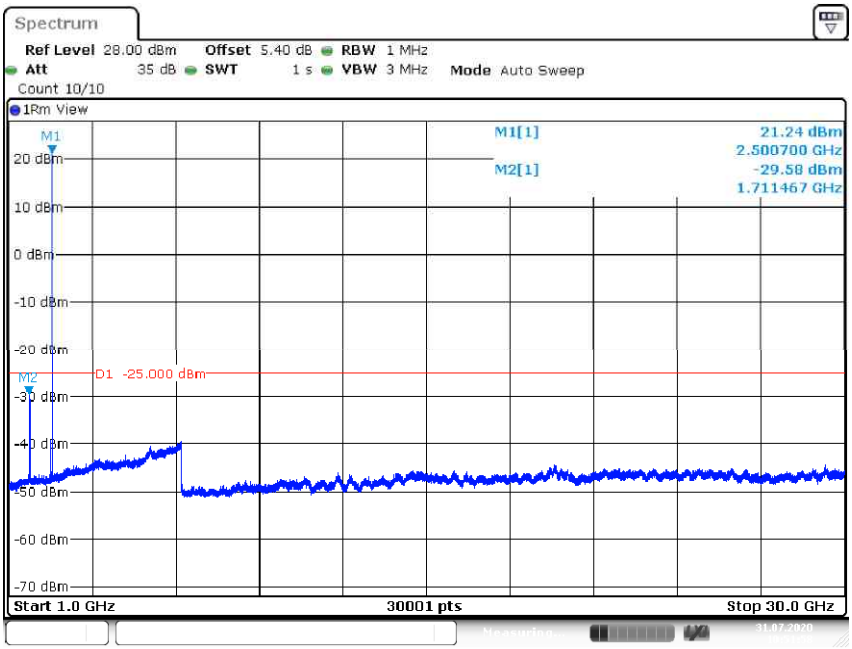
Band7-20MHz-16QAM-20850-1RB#0-Range1:30~1000MHz



Date: 31.JUL.2020 10:51:41

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



Date: 31.JUL.2020 10:51:58

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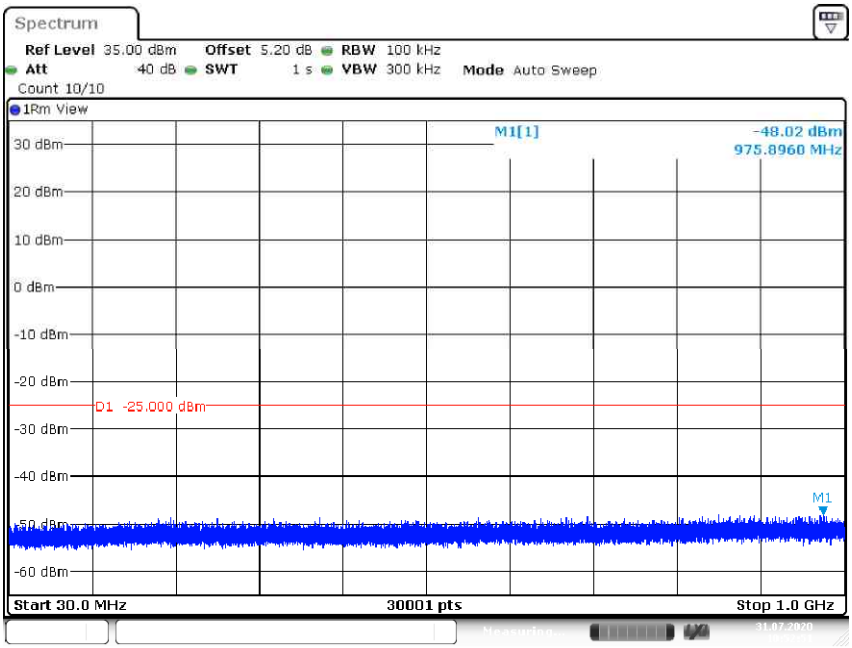
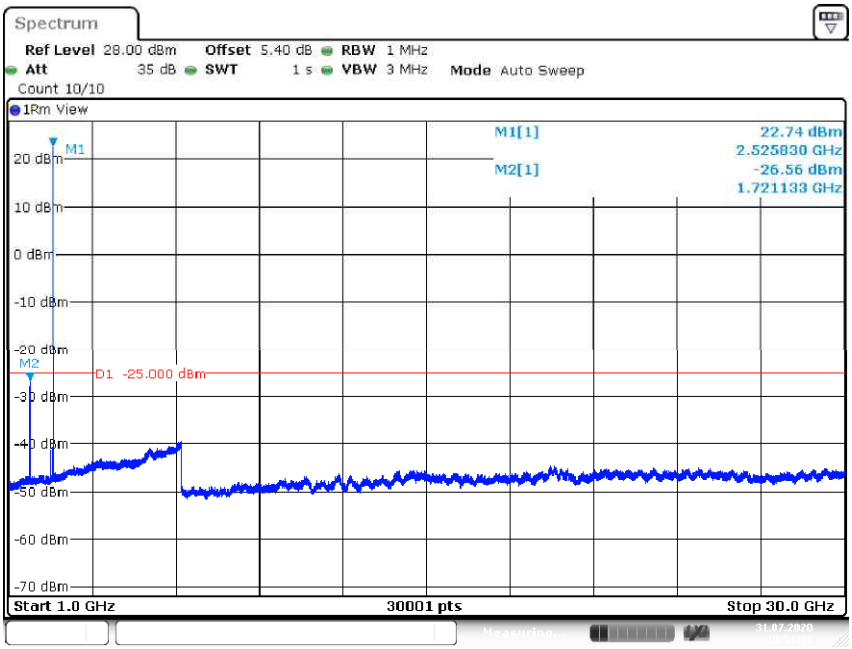
Band7-20MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



Date: 31.JUL.2020 10:52:51

Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~30000MHz



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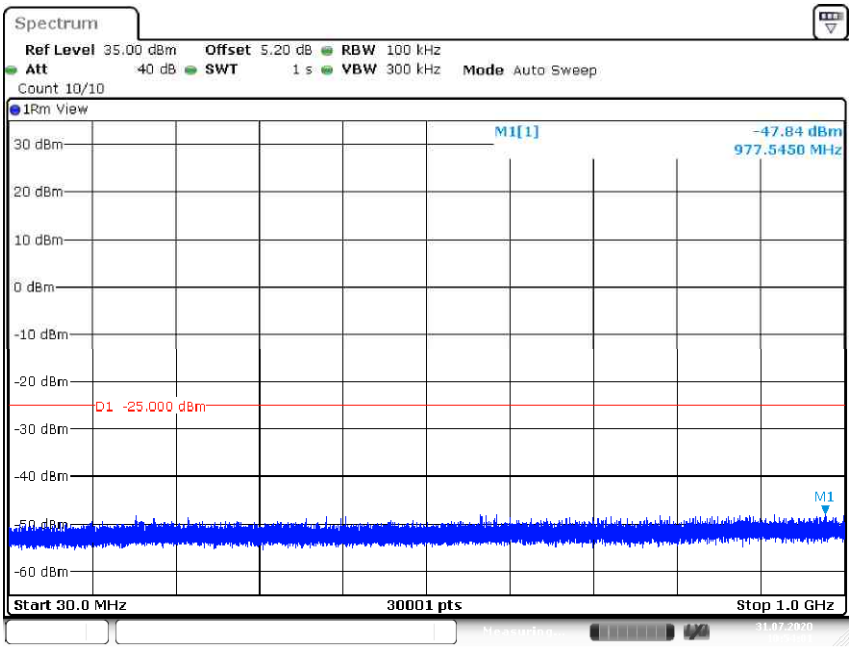
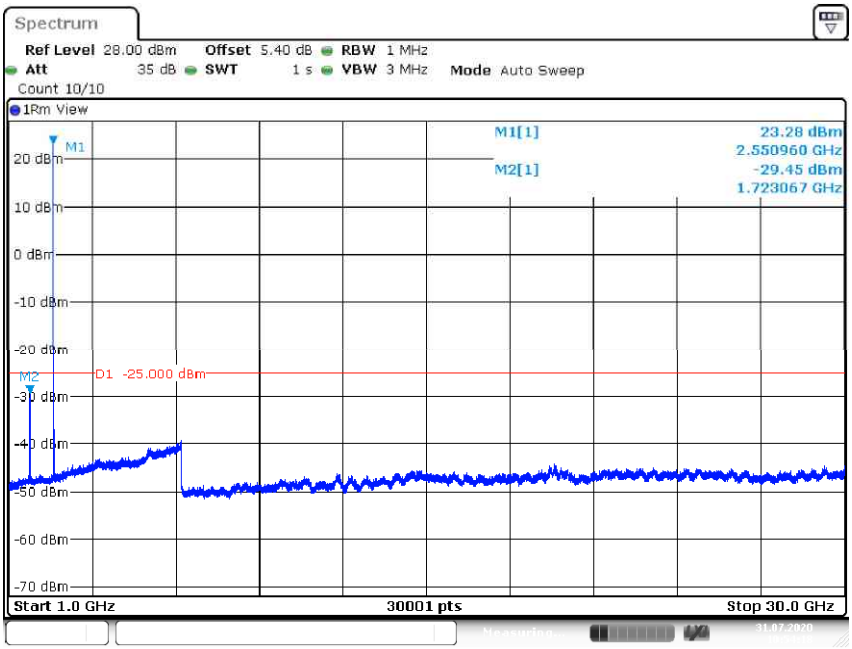


Date: 31.JUL.2020 10:54:01

Band7-20MHz-16QAM-21350-1RB#0-Range2:1000~30000MHz



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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
49.9830	-73.34	-25.00	48.34	Vertical
110.5140	-65.72	-25.00	40.72	Vertical
484.4677	-67.38	-25.00	42.38	Vertical
1786.9574	-45.09	-25.00	20.09	Vertical
7336.3735	-57.38	-25.00	32.38	Vertical
17998.8000	-41.57	-25.00	16.57	Vertical
42.4166	-63.90	-25.00	38.90	Horizontal
252.4806	-69.34	-25.00	44.34	Horizontal
591.9491	-65.10	-25.00	40.10	Horizontal
1950.9902	-44.46	-25.00	19.46	Horizontal
7464.7786	-58.23	-25.00	33.23	Horizontal
16381.1352	-45.83	-25.00	20.83	Horizontal

7.1.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
52.9416	-73.17	-25.00	48.17	Vertical
111.3871	-64.77	-25.00	39.77	Vertical
461.5746	-67.91	-25.00	42.91	Vertical
1779.7560	-45.22	-25.00	20.22	Vertical
8011.4005	-57.51	-25.00	32.51	Vertical
17993.3997	-41.93	-25.00	16.93	Vertical
43.1927	-64.74	-25.00	39.74	Horizontal
233.3222	-68.53	-25.00	43.53	Horizontal
716.4063	-63.47	-25.00	38.47	Horizontal
1763.3527	-45.72	-25.00	20.72	Horizontal
7366.3747	-58.14	-25.00	33.14	Horizontal
16398.5359	-46.03	-25.00	21.03	Horizontal

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7.1.3.Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
47.5094	-73.66	-25.00	48.66	Vertical
115.2673	-66.15	-25.00	41.15	Vertical
384.6982	-67.96	-25.00	42.96	Vertical
1642.1284	-45.53	-25.00	20.53	Vertical
7362.7745	-57.79	-25.00	32.79	Vertical
17995.7998	-42.14	-25.00	17.14	Vertical
47.1699	-65.09	-25.00	40.09	Horizontal
240.8885	-69.20	-25.00	44.20	Horizontal
666.6428	-64.43	-25.00	39.43	Horizontal
1794.5589	-44.44	-25.00	19.44	Horizontal
7938.7976	-58.25	-25.00	33.25	Horizontal
16388.3355	-45.71	-25.00	20.71	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 (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	4.70	0.001873	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	-3.10	-0.001235	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	2.80	0.001116	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-1.10	-0.000434	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-2.40	-0.000947	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-7.80	-0.003077	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	-4.40	-0.001719	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-19.00	-0.007422	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-10.10	-0.003945	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VL	NT	0.20	0.000080	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VN	NT	1.30	0.000518	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VH	NT	-7.50	-0.002988	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VL	NT	3.20	0.001262	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VN	NT	-0.50	-0.000197	±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	-9.20	-0.003594	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VN	NT	-7.00	-0.002734	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VH	NT	-9.50	-0.003711	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	-7.40	-0.002948	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	5.50	0.002191	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	-0.90	-0.000359	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	3.00	0.001183	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-7.10	-0.002801	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-3.00	-0.001183	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	-2.30	-0.000898	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	-3.70	-0.001445	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	-8.00	-0.003125	±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	3.20	0.001275	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-3.50	-0.001394	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	-5.46	-0.002175	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	1.70	0.000677	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-6.50	-0.002590	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	-4.70	-0.001873	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	-4.00	-0.001594	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	-0.60	-0.000239	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	4.00	0.001594	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-12.00	-0.004734	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	2.50	0.000986	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	5.37	0.002118	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	7.70	0.003037	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	0.80	0.000316	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	0.20	0.000079	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-1.10	-0.000434	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-2.50	-0.000986	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-1.00	-0.000394	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-0.90	-0.000352	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-4.80	-0.001875	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	-5.98	-0.002336	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-9.10	-0.003555	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-12.30	-0.004805	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-6.20	-0.002422	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	-11.50	-0.004492	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	-10.50	-0.004102	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-8.20	-0.003203	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-30	-6.80	-0.002709	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-20	-4.60	-0.001833	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-10	-5.99	-0.002343	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	0	-4.60	-0.001833	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	10	-4.20	-0.001673	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	20	-6.20	-0.002470	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	30	-2.20	-0.000876	±2.5	PASS

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Band7	20MHz	64QAM	20850	100RB#0	NV	40	0.60	0.000239	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	50	2.60	0.001036	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-30	-0.60	-0.000237	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-20	2.60	0.001026	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-10	3.06	0.001207	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	0	0.70	0.000276	±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	20	0.00	0.000000	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	30	-2.20	-0.000868	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	40	1.70	0.000671	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	50	-3.50	-0.001381	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-30	-12.20	-0.004766	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-20	-5.00	-0.001953	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-10	-12.08	-0.004719	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	0	-12.70	-0.004961	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	10	-14.30	-0.005586	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	20	-8.20	-0.003203	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	30	-8.70	-0.003398	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	40	-8.70	-0.003398	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	50	-2.00	-0.000781	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	4.80	0.001912	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	6.70	0.002669	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-10	-7.40	-0.002948	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	-13.10	-0.005219	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	-2.30	-0.000916	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	0.50	0.000199	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	30	-3.40	-0.001355	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	-7.50	-0.002988	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	-8.80	-0.003506	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	1.70	0.000671	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-12.30	-0.004852	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-10	-5.84	-0.002304	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-7.90	-0.003116	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-0.50	-0.000197	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-13.30	-0.005247	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	-6.00	-0.002367	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	-7.50	-0.002959	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	-8.90	-0.003511	±2.5	PASS

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Band7	20MHz	16QAM	21350	100RB#0	NV	-30	-10.60	-0.004141	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	-7.30	-0.002852	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-10	-6.78	-0.002648	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	-4.50	-0.001758	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	-6.90	-0.002695	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	-2.80	-0.001094	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	-5.70	-0.002227	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	-5.40	-0.002109	±2.5	PASS

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