

Appendix B

E-UTRA Band 7



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

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



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



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



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Band7	10MHz	64QAM	21100	1RB#49	21.65	21.75	33	PASS
Band7	10MHz	64QAM	21100	25RB#0	20.47	20.57	33	PASS
Band7	10MHz	64QAM	21100	25RB#12	20.45	20.55	33	PASS
Band7	10MHz	64QAM	21100	25RB#25	20.31	20.41	33	PASS
Band7	10MHz	64QAM	21100	50RB#0	20.36	20.46	33	PASS
Band7	10MHz	64QAM	21400	1RB#0	21.37	21.47	33	PASS
Band7	10MHz	64QAM	21400	1RB#24	21.53	21.63	33	PASS
Band7	10MHz	64QAM	21400	1RB#49	21.62	21.72	33	PASS
Band7	10MHz	64QAM	21400	25RB#0	20.21	20.31	33	PASS
Band7	10MHz	64QAM	21400	25RB#12	20.19	20.29	33	PASS
Band7	10MHz	64QAM	21400	25RB#25	20.19	20.29	33	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.10	20.20	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.48	22.58	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.45	22.55	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.55	22.65	33	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.41	21.51	33	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.41	21.51	33	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.44	21.54	33	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.44	21.54	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.65	22.75	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.42	22.52	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.84	22.94	33	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.34	21.44	33	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.42	21.52	33	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.46	21.56	33	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.34	21.44	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.43	22.53	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.83	22.93	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.63	22.73	33	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.30	21.40	33	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.18	21.28	33	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.27	21.37	33	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.30	21.40	33	PASS



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



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



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



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

Remark:

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

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

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



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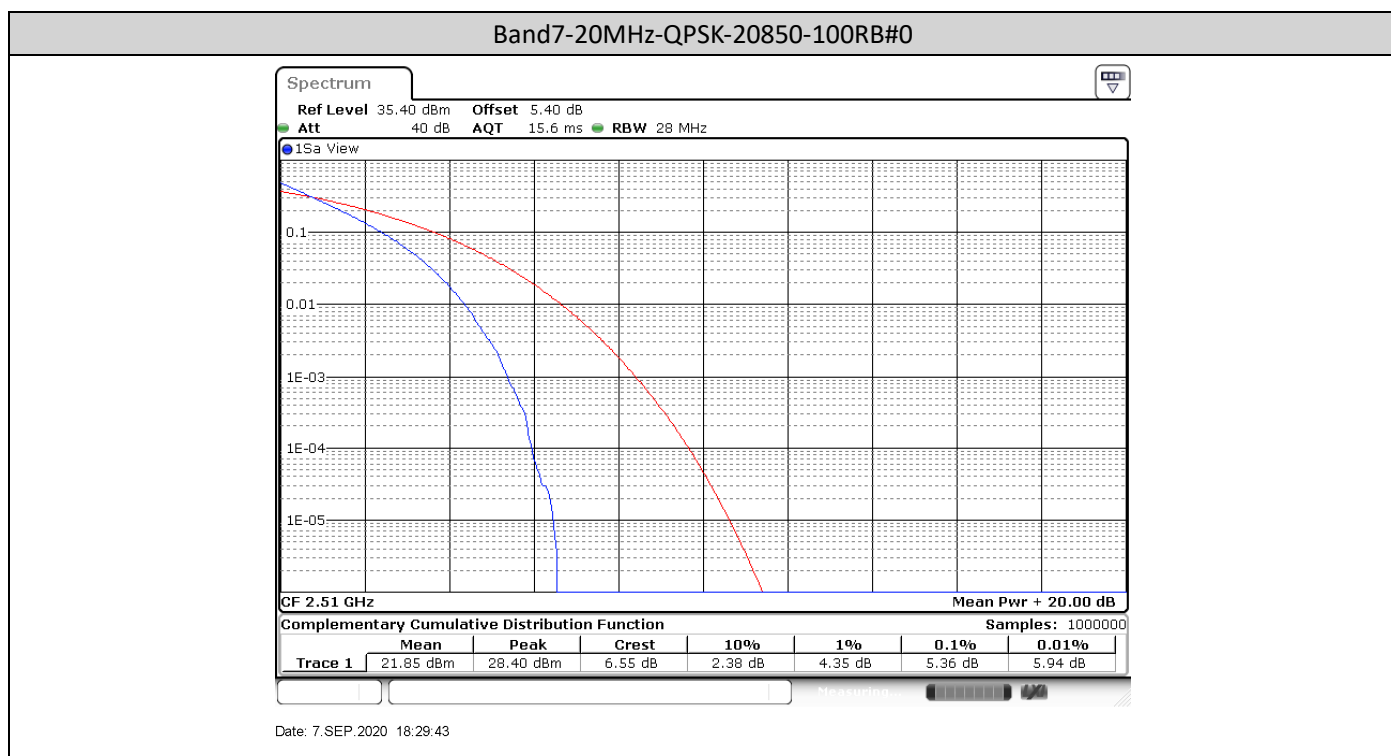


2. Peak-to-Average Ratio (CCDF)

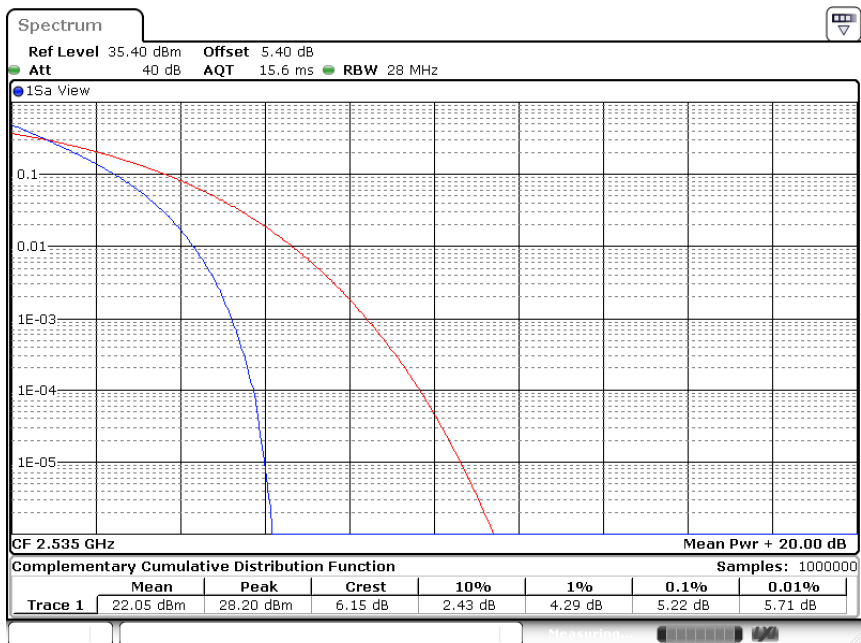
2.1. Test Result

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

2.2. Test Plots

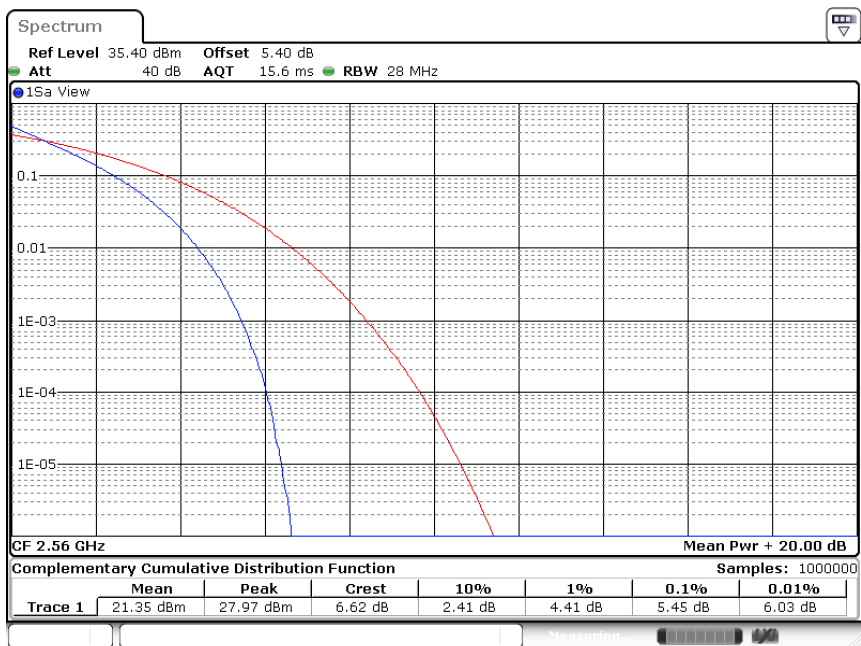


Band7-20MHz-QPSK-21100-100RB#0



Date: 7.SEP.2020 18:30:05

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



Date: 7.SEP.2020 18:30:28



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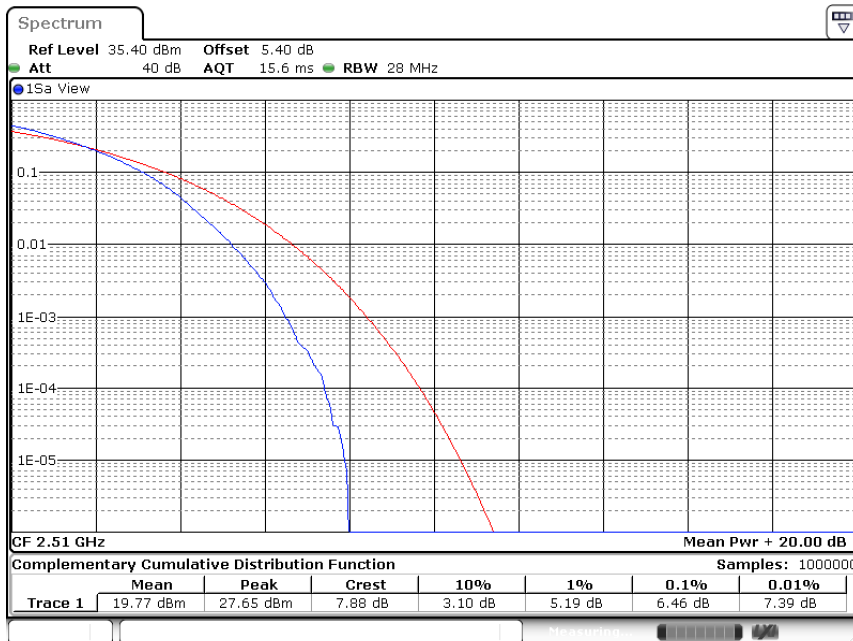
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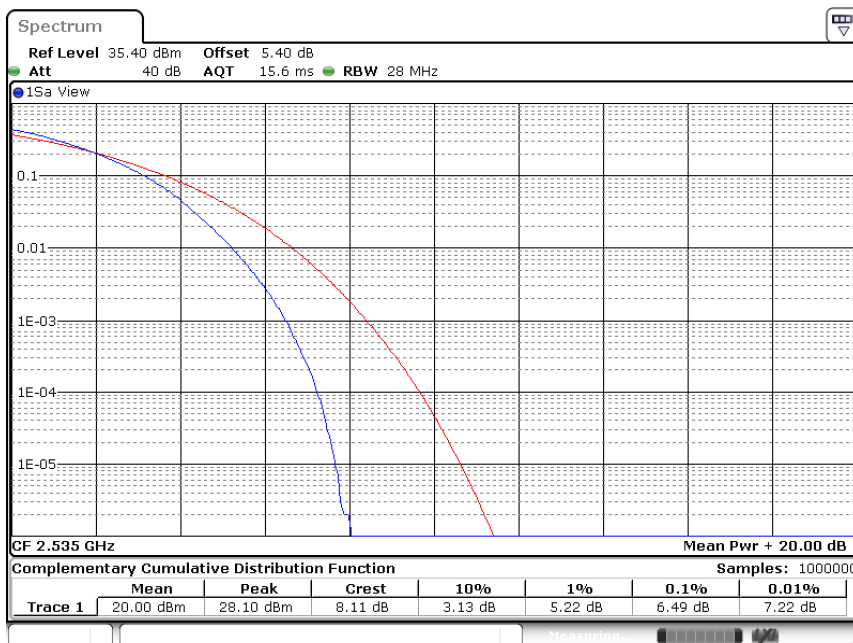
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Band7-20MHz-64QAM-20850-100RB#0



Date: 7.SEP.2020 18:43:04

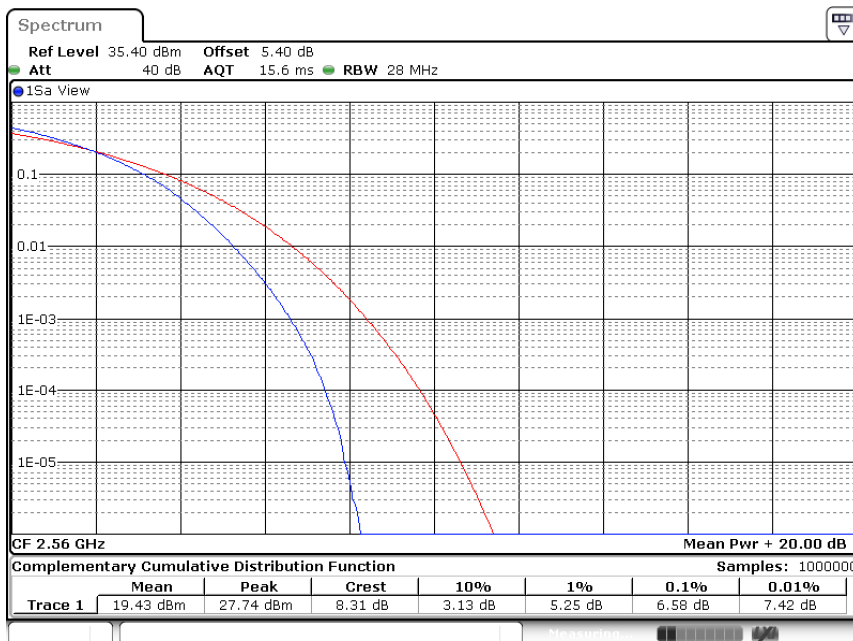
Band7-20MHz-64QAM-21100-100RB#0



Date: 7.SEP.2020 18:43:16

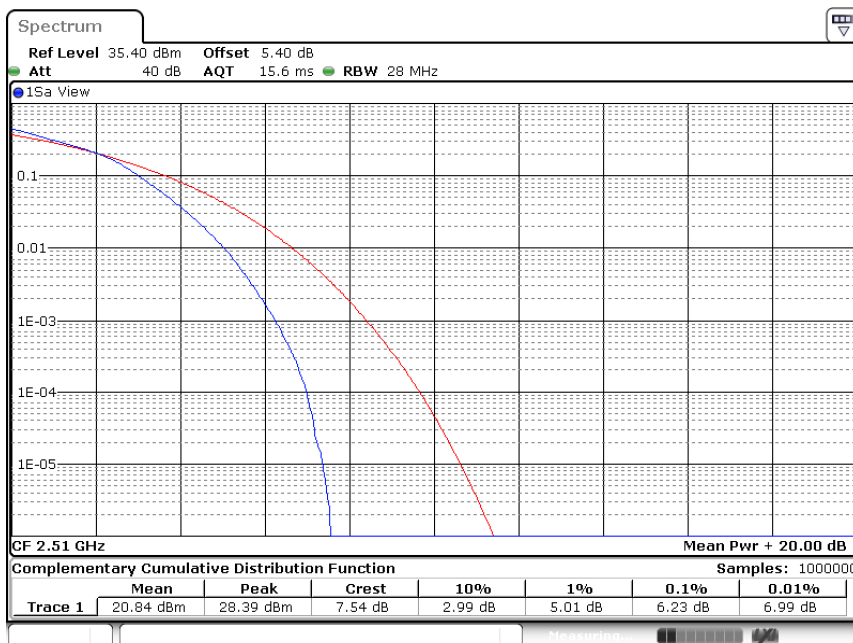


Band7-20MHz-64QAM-21350-100RB#0



Date: 7.SEP.2020 18:43:28

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

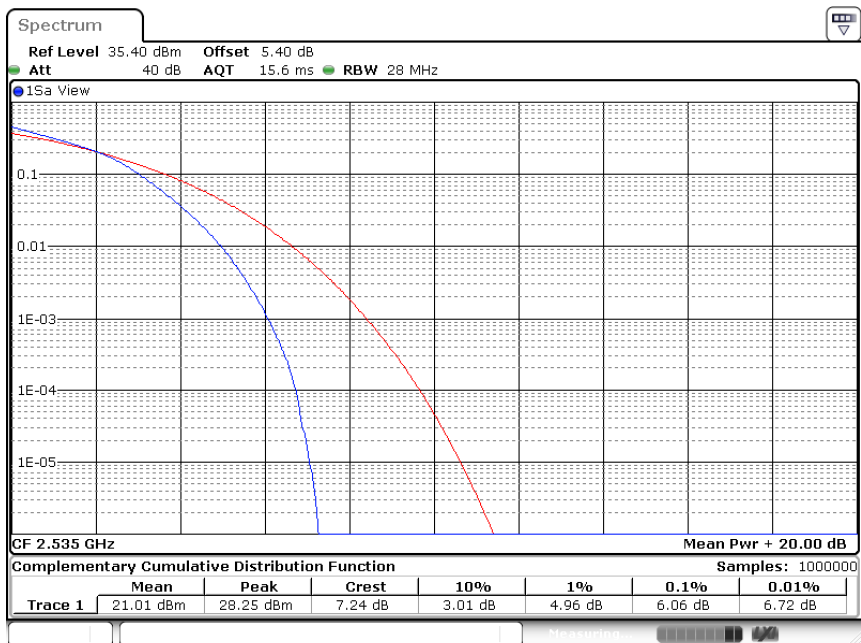


Date: 7.SEP.2020 18:29:54



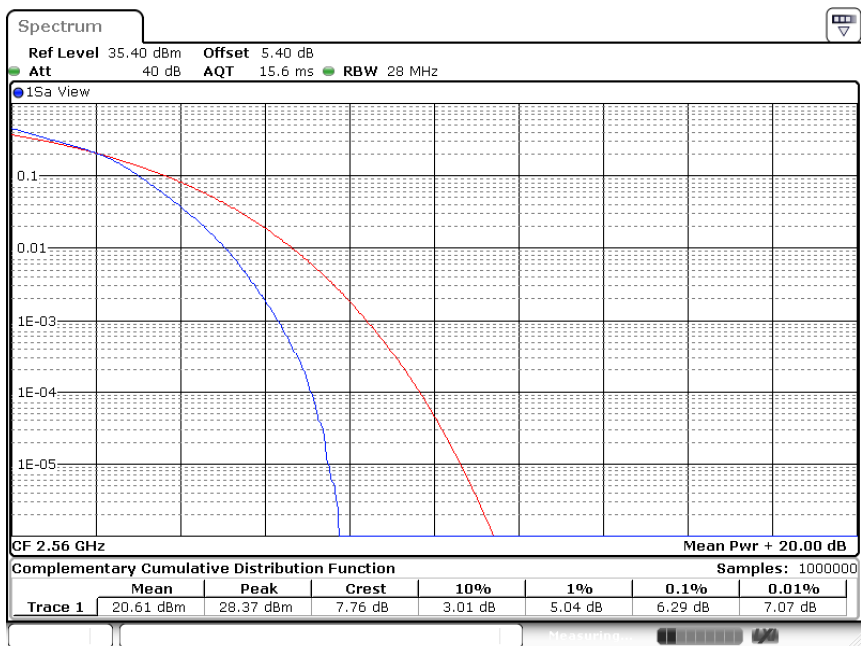


Band7-20MHz-16QAM-21100-100RB#0



Date: 7.SEP.2020 18:30:17

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



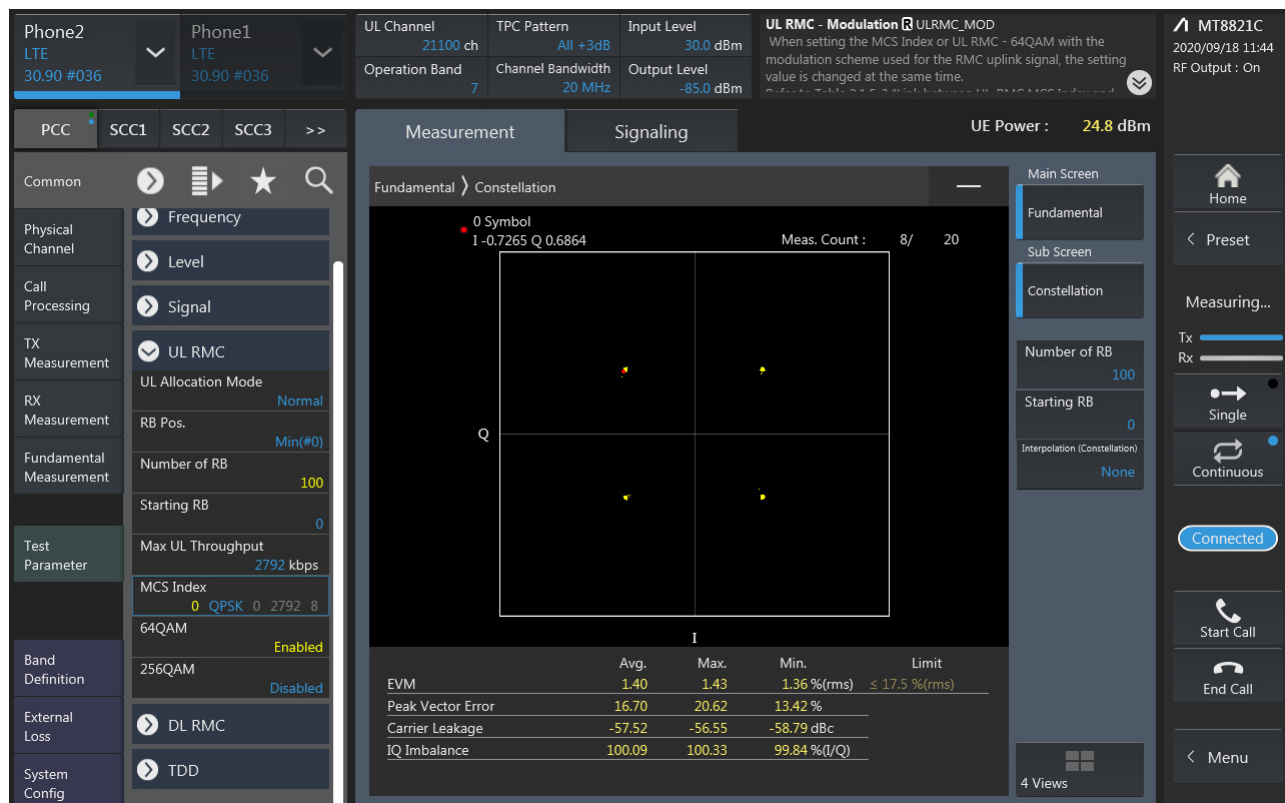
Date: 7.SEP.2020 18:30:40



3. Modulation Characteristics

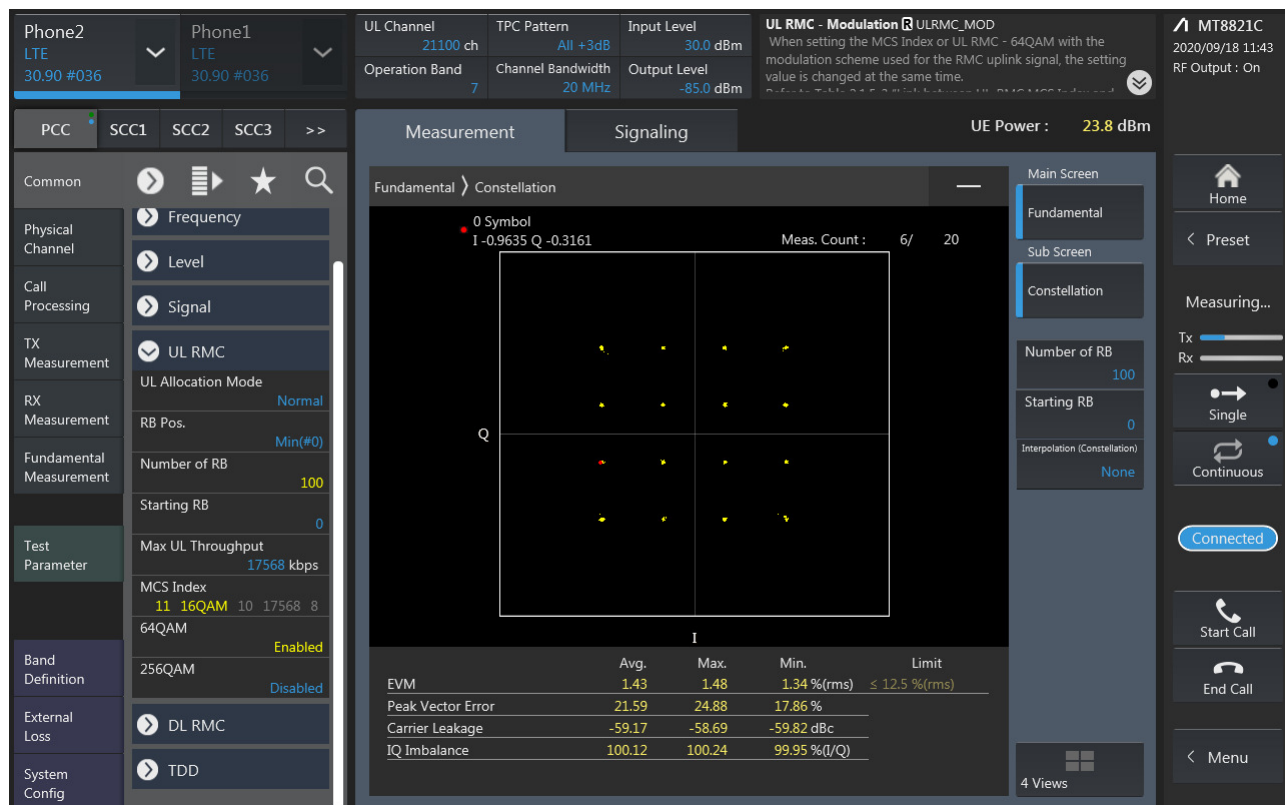
3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH



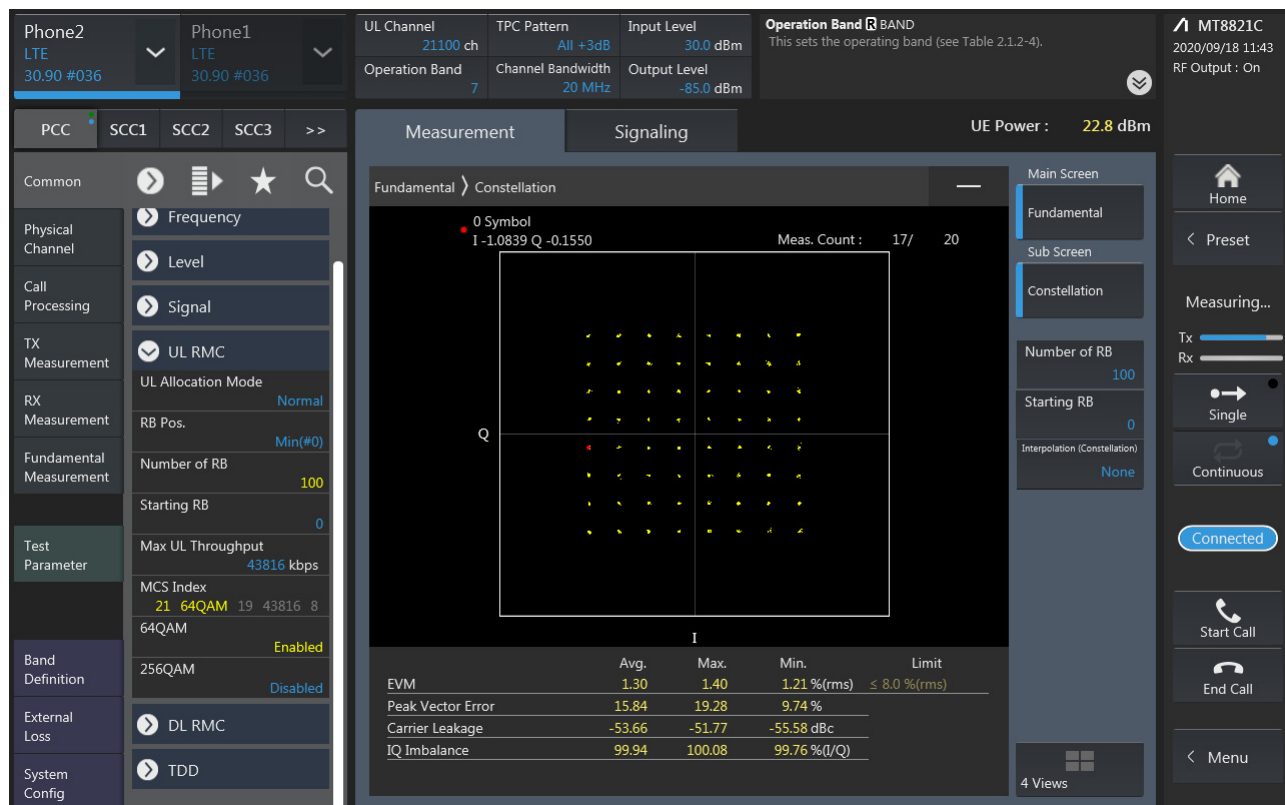
3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH



3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.476	4.930	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.930	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.476	4.930	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.476	4.910	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.476	4.910	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.476	4.900	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.486	4.940	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.496	4.930	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.486	4.950	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.911	9.720	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.911	9.740	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.931	9.720	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.931	9.680	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.931	9.700	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.931	9.700	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.931	9.780	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.931	9.780	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.951	9.740	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.457	14.790	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.457	14.790	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.457	14.820	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.427	14.850	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.427	14.760	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.427	14.820	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.457	14.760	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.427	14.790	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.457	14.790	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.902	19.520	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.902	19.440	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.902	19.480	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.862	19.440	PASS



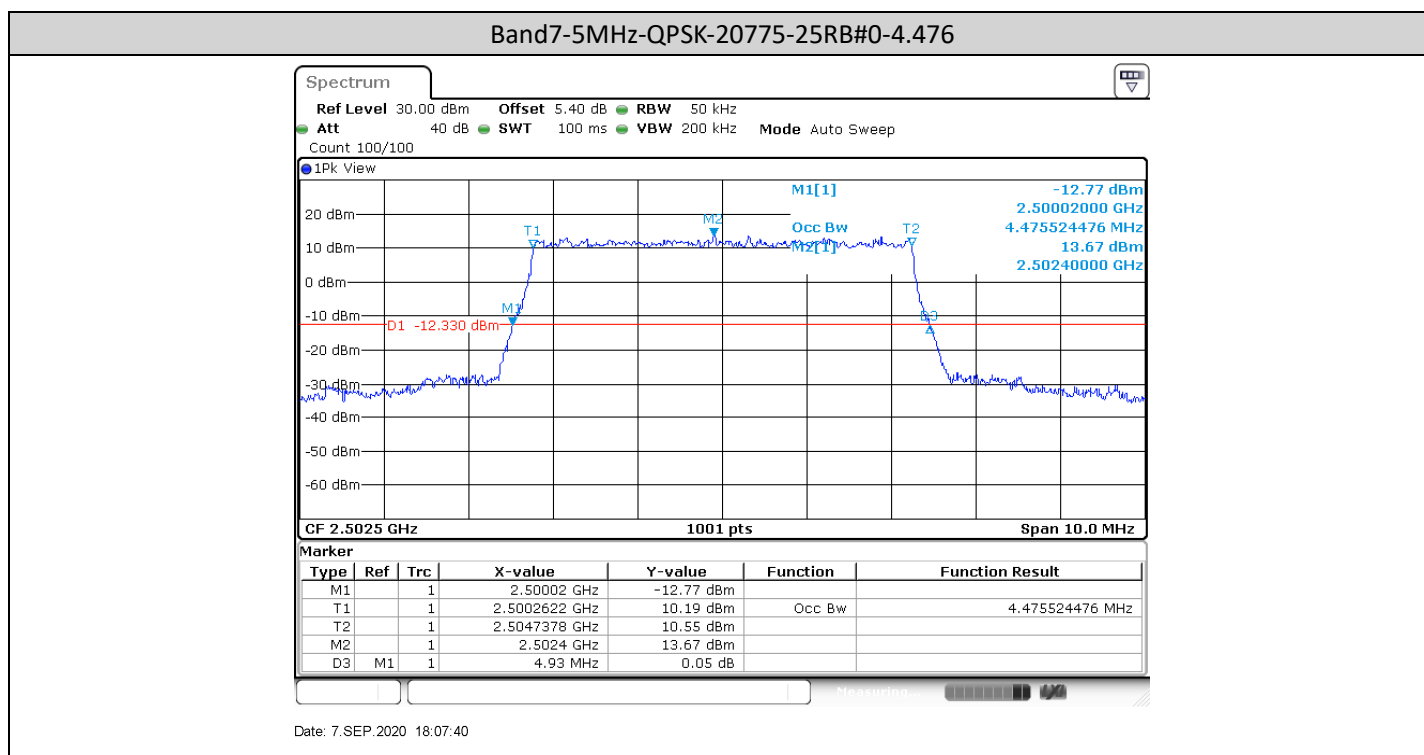
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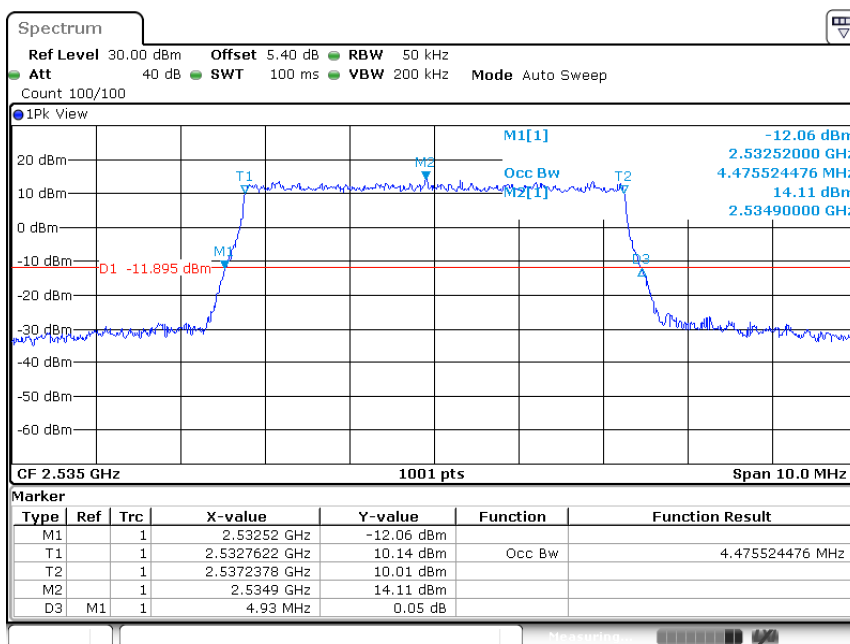
Band7	20MHz	64QAM	21100	100RB#0	17.862	19.440	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.902	19.480	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.942	19.480	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.862	19.400	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.902	19.400	PASS

4.2. Test Plots



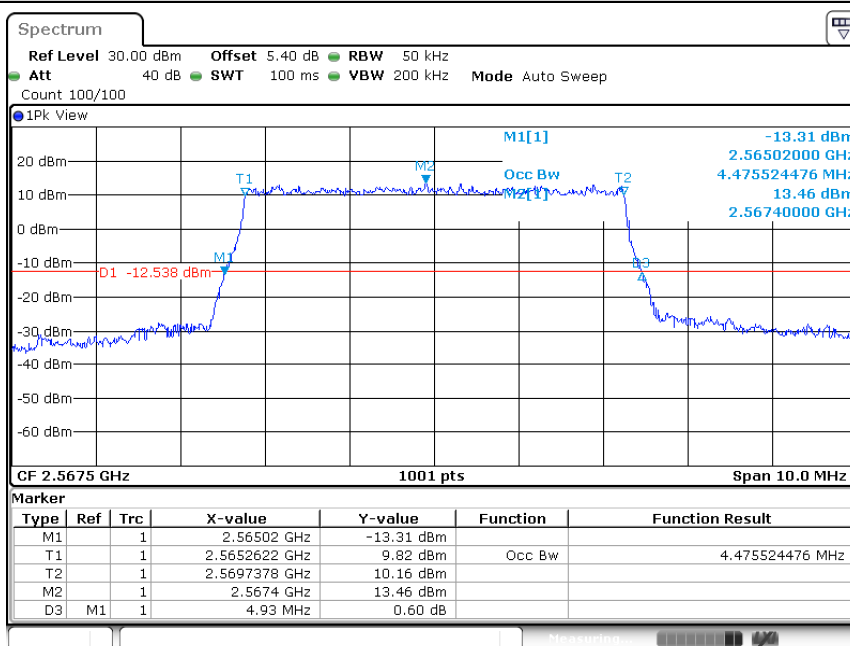


Band7-5MHz-QPSK-21100-25RB#0-4.476



Date: 7.SEP.2020 18:08:19

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



Date: 7.SEP.2020 18:08:59



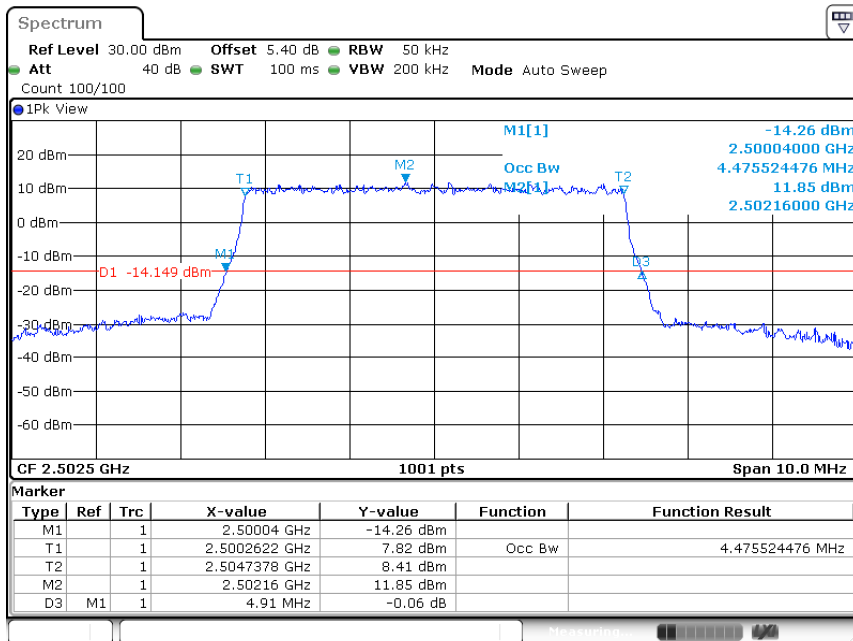
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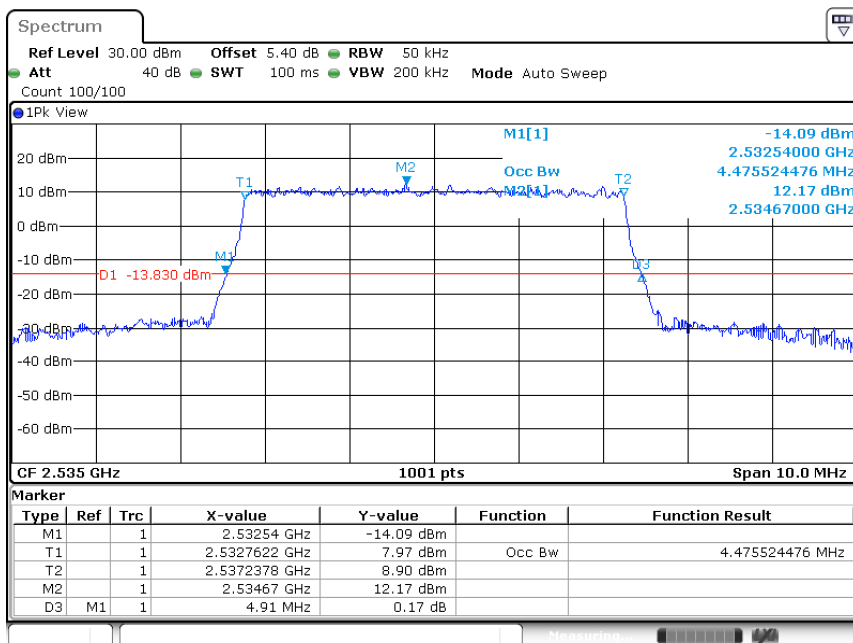


Band7-5MHz-64QAM-20775-25RB#0-4.476



Date: 7.SEP.2020 18:31:05

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



Date: 7.SEP.2020 18:31:25



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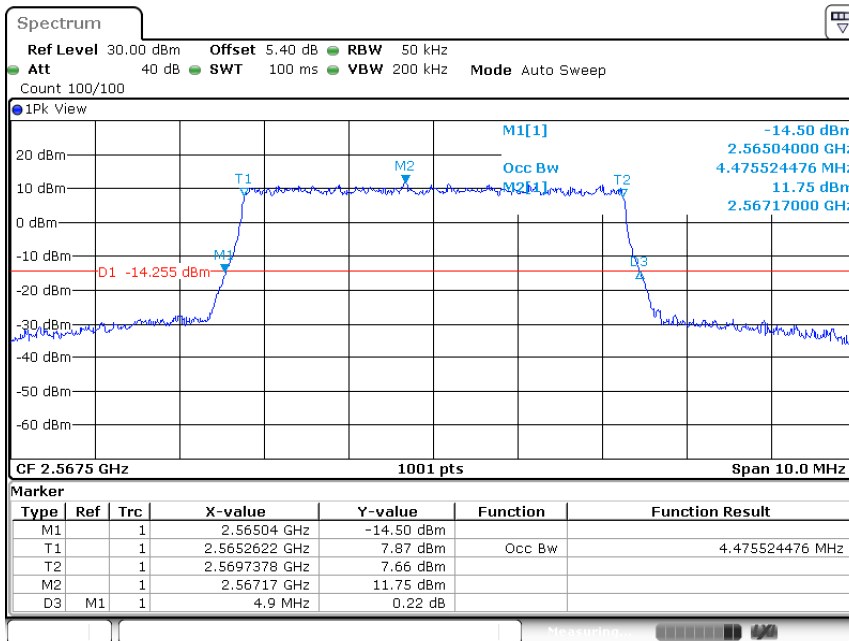
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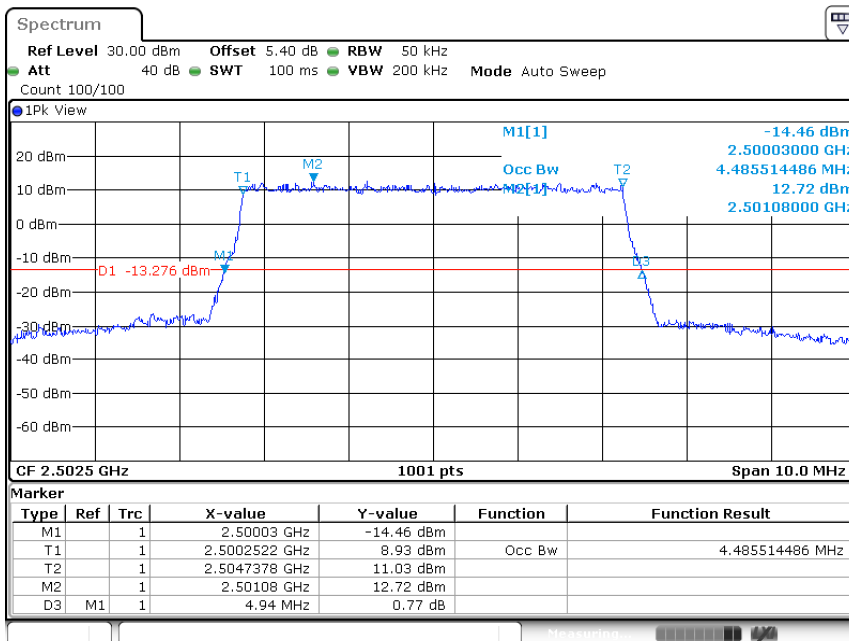


Band7-5MHz-64QAM-21425-25RB#0-4.476



Date: 7.SEP.2020 18:31:46

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



Date: 7.SEP.2020 18:08:00



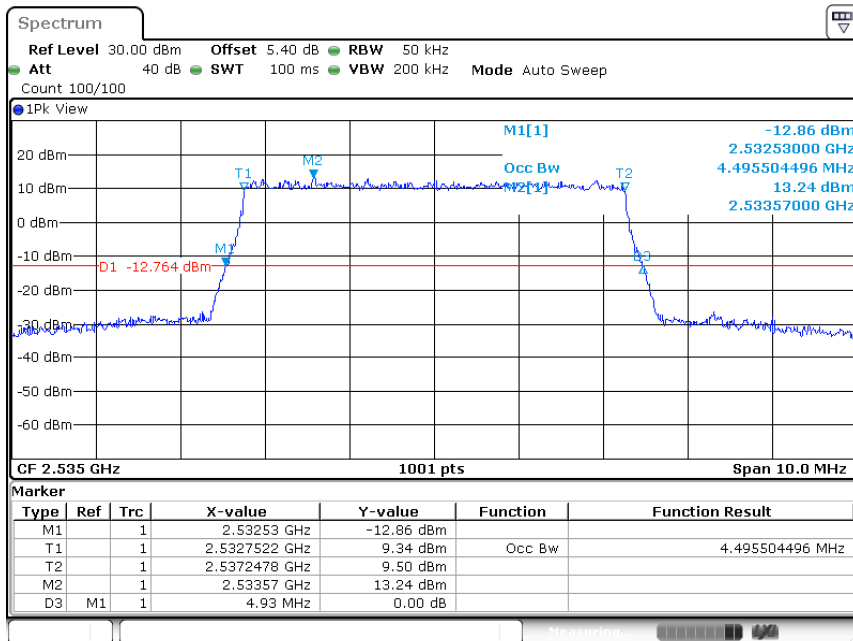
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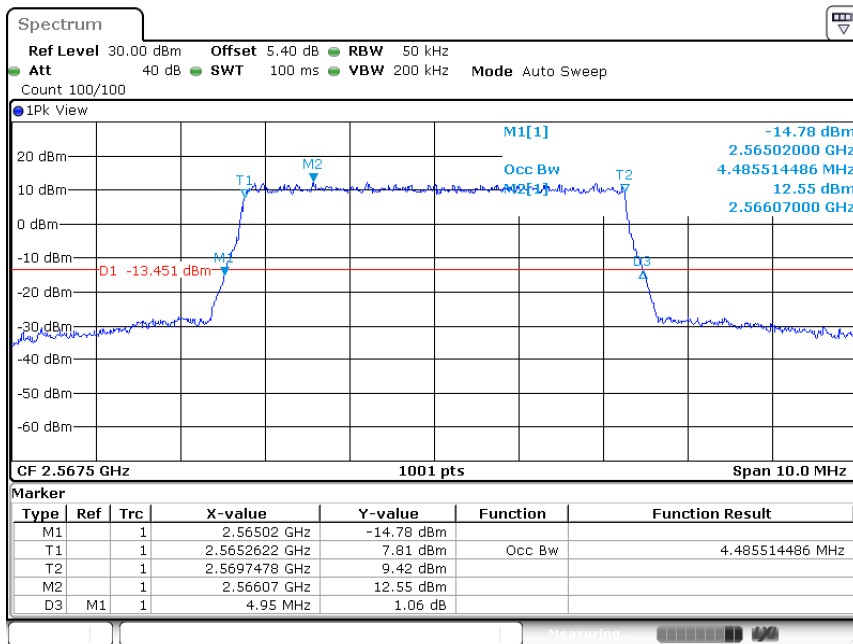


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Date: 7.SEP.2020 18:08:39

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Date: 7.SEP.2020 18:09:19



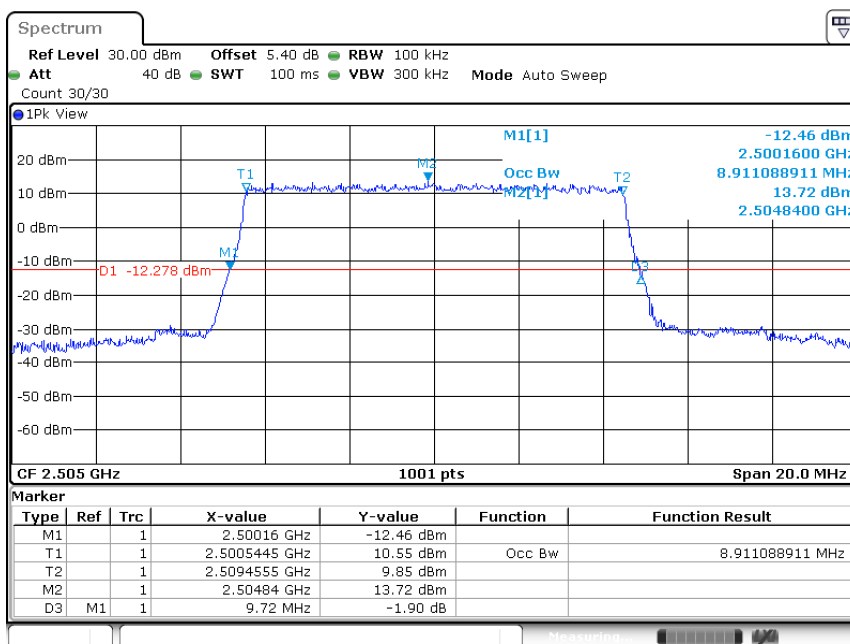
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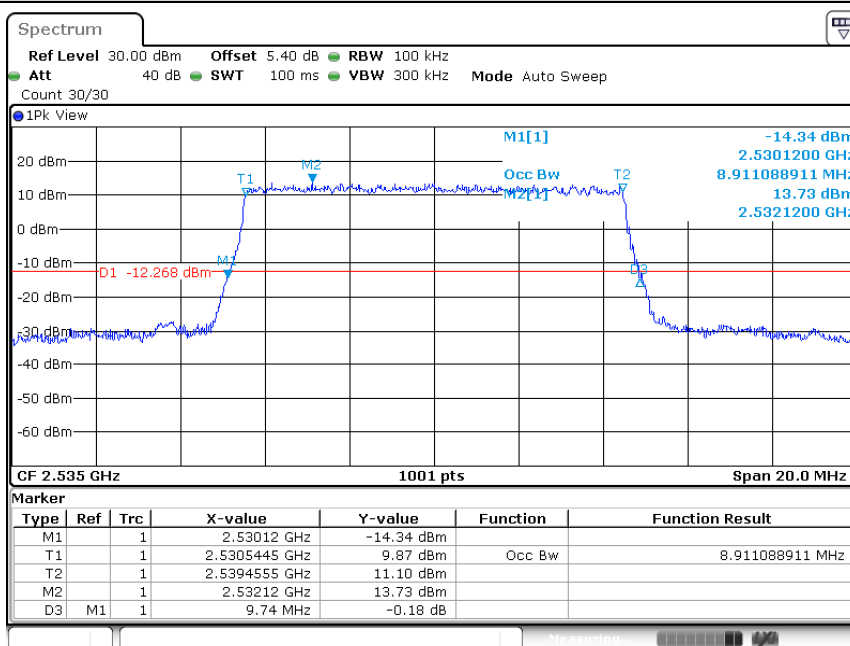


Band7-10MHz-QPSK-20800-50RB#0-8.911



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

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



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



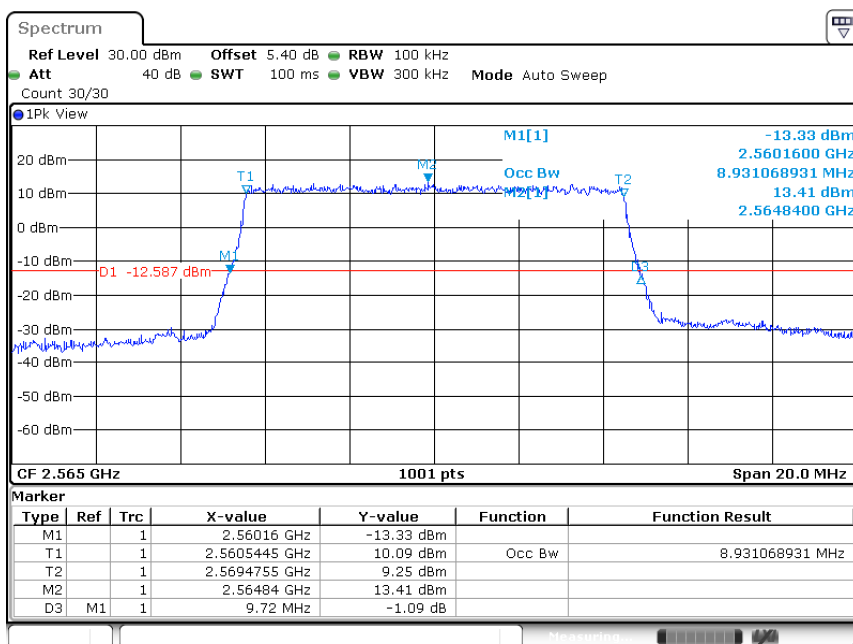
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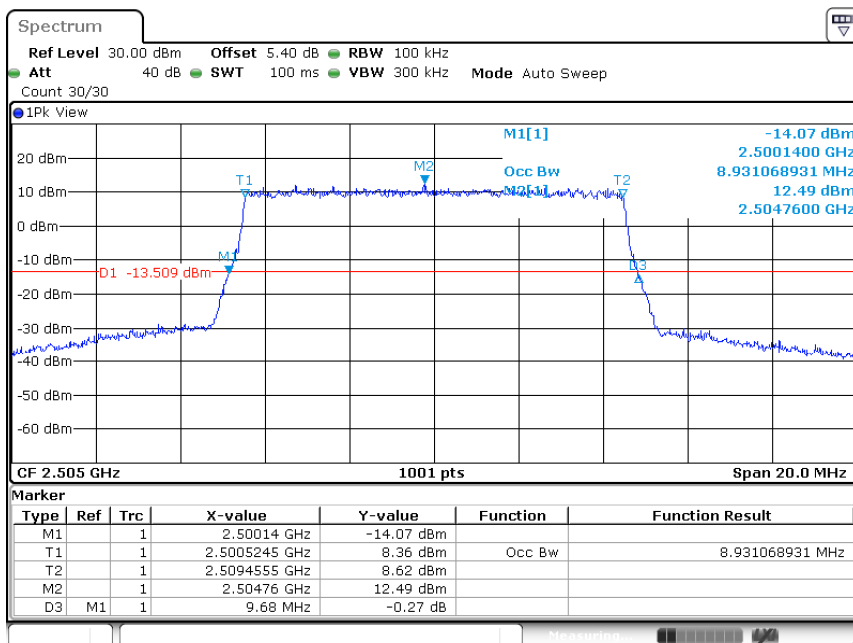
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Band7-10MHz-QPSK-21400-50RB#0-8.931



Date: 7.SEP.2020 18:10:29

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

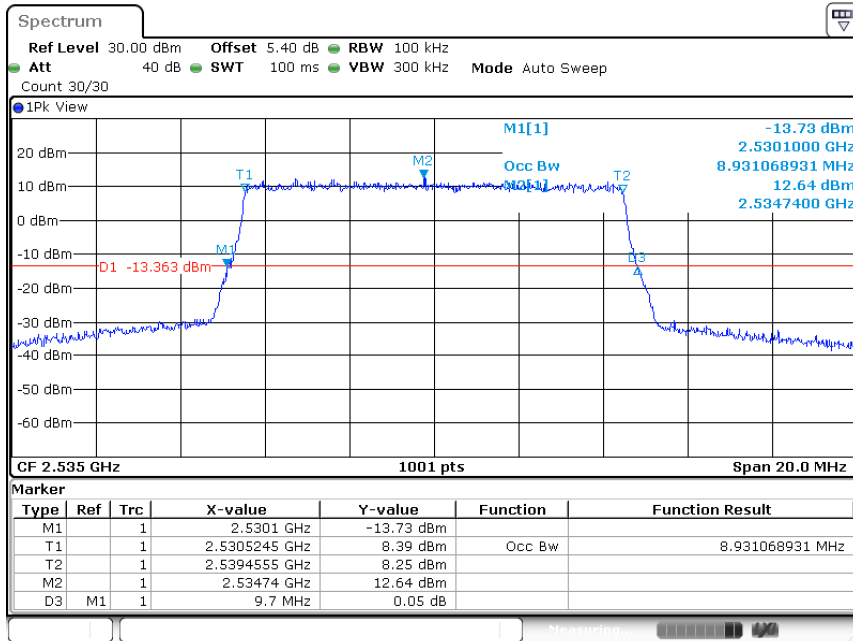


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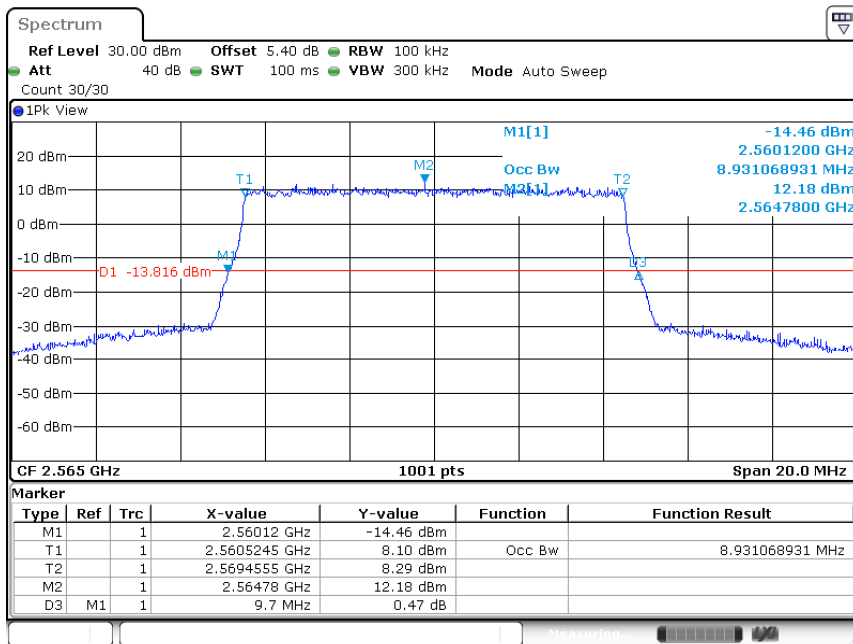


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Date: 7.SEP.2020 18:32:18

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



Date: 7.SEP.2020 18:32:31



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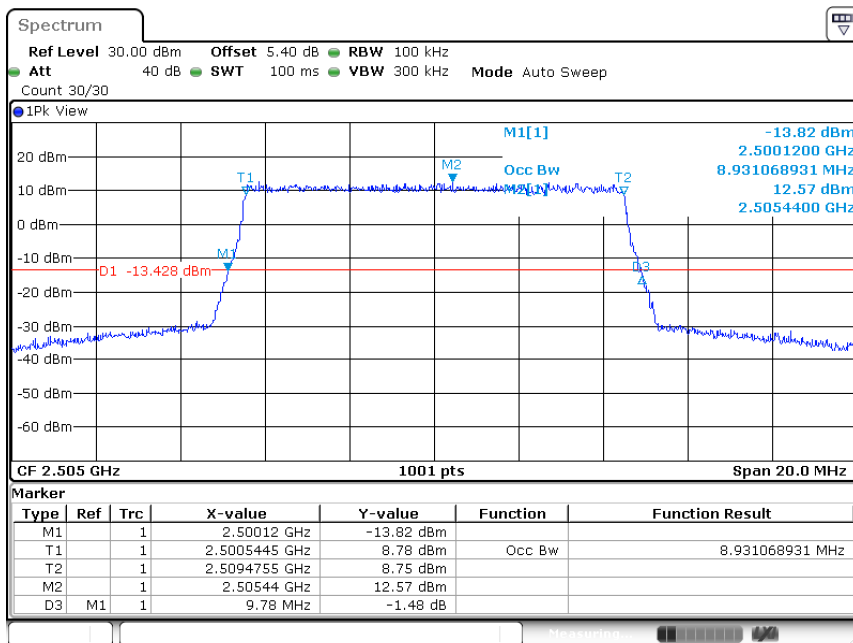
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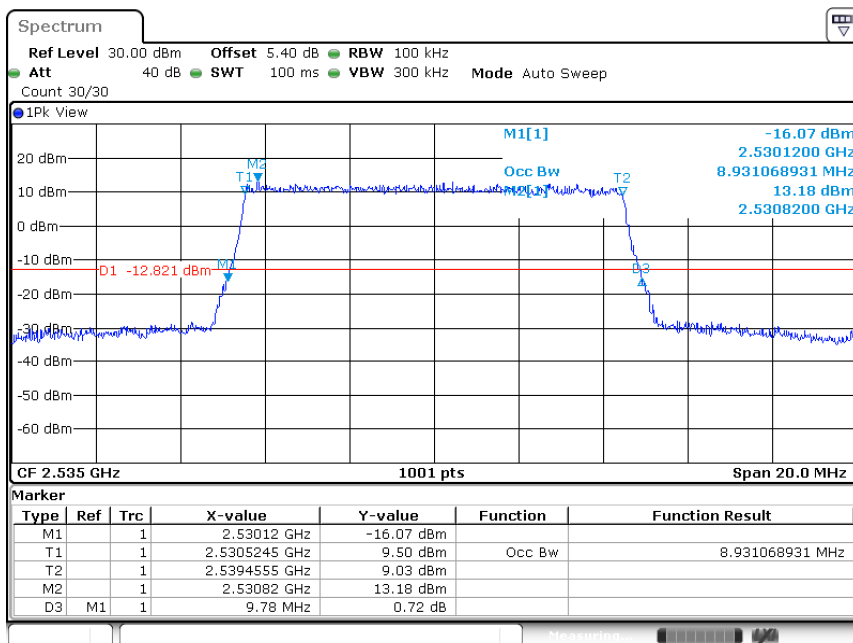


Band7-10MHz-16QAM-20800-50RB#0-8.931



Date: 7.SEP.2020 18:09:50

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



Date: 7.SEP.2020 18:10:16



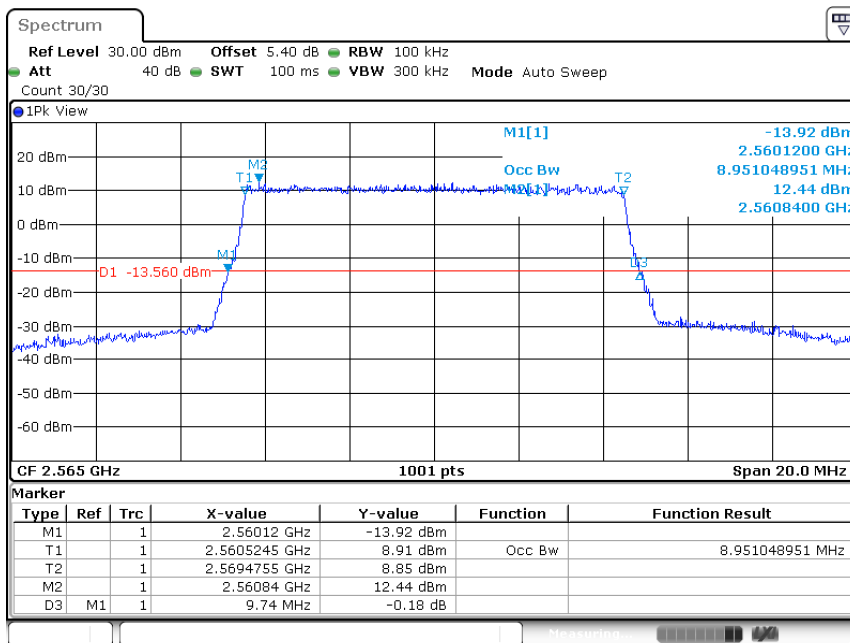
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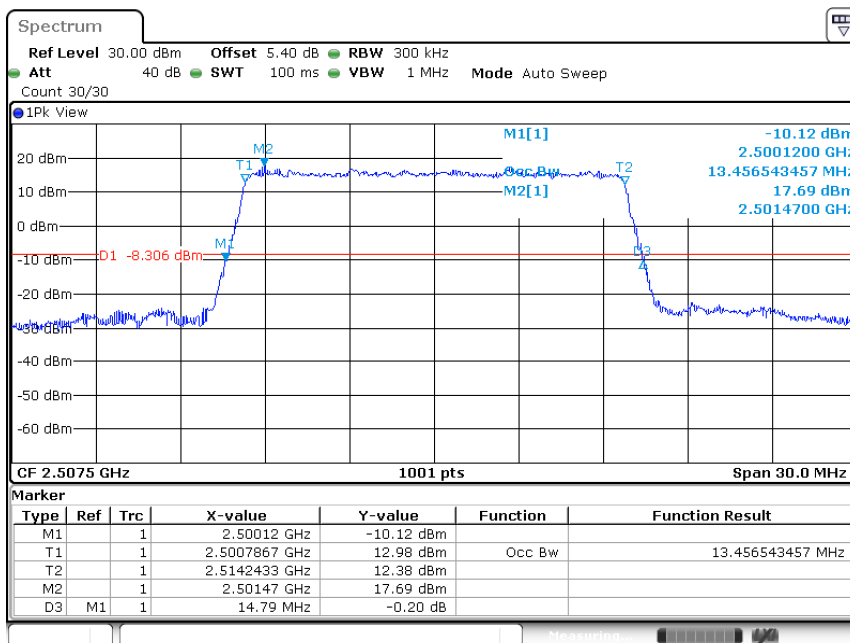


Band7-10MHz-16QAM-21400-50RB#0-8.951



Date: 7.SEP.2020 18:10:41

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



Date: 7.SEP.2020 18:11:00



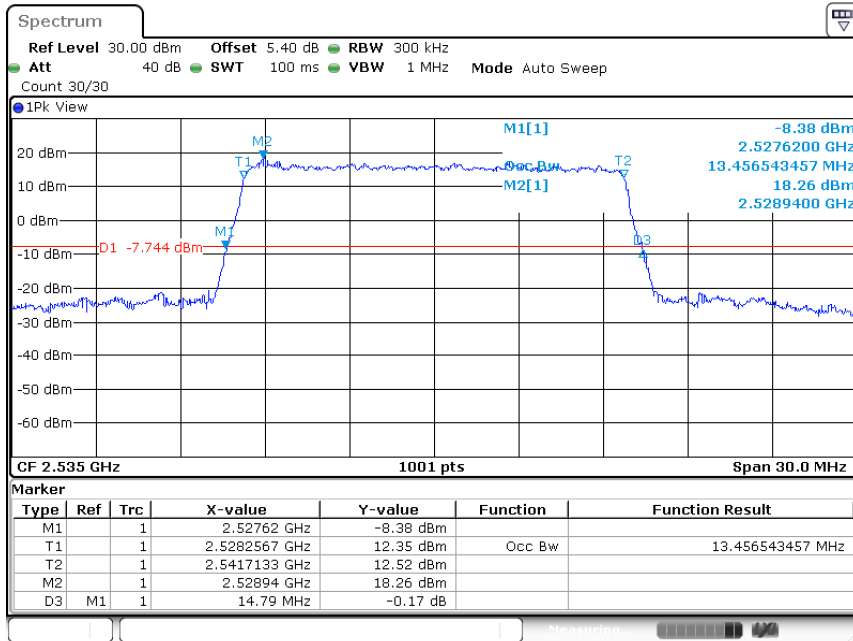
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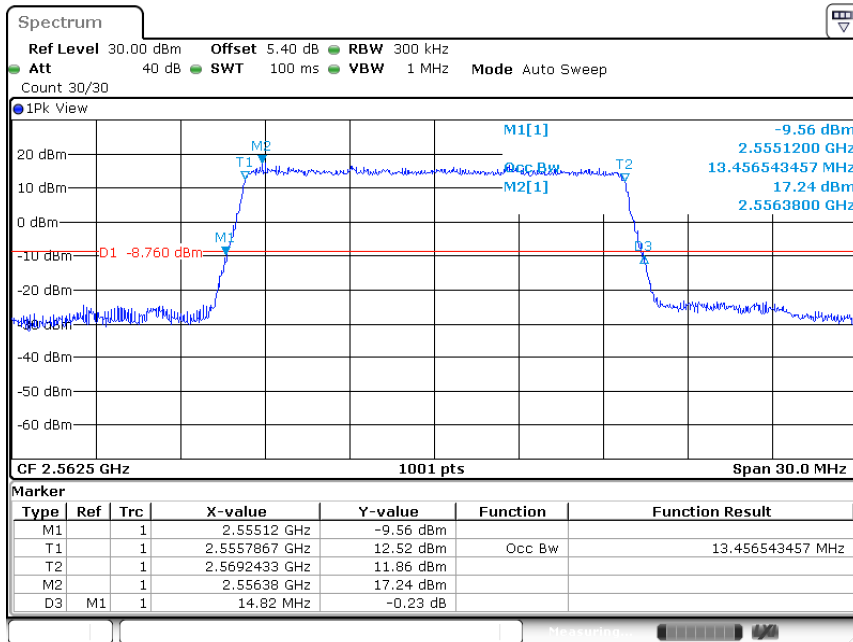


Band7-15MHz-QPSK-21100-75RB#0-13.457



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

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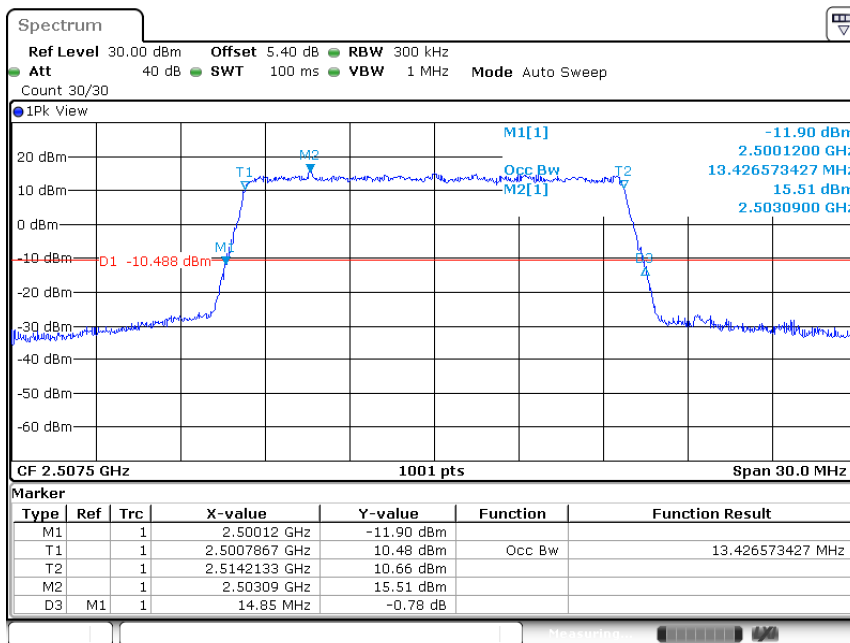


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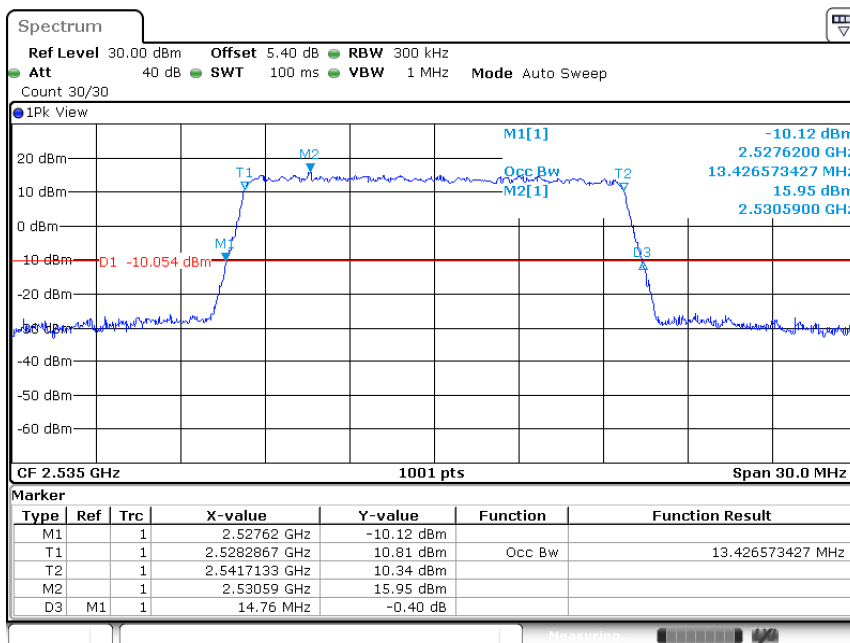


Band7-15MHz-64QAM-20825-75RB#0-13.427



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

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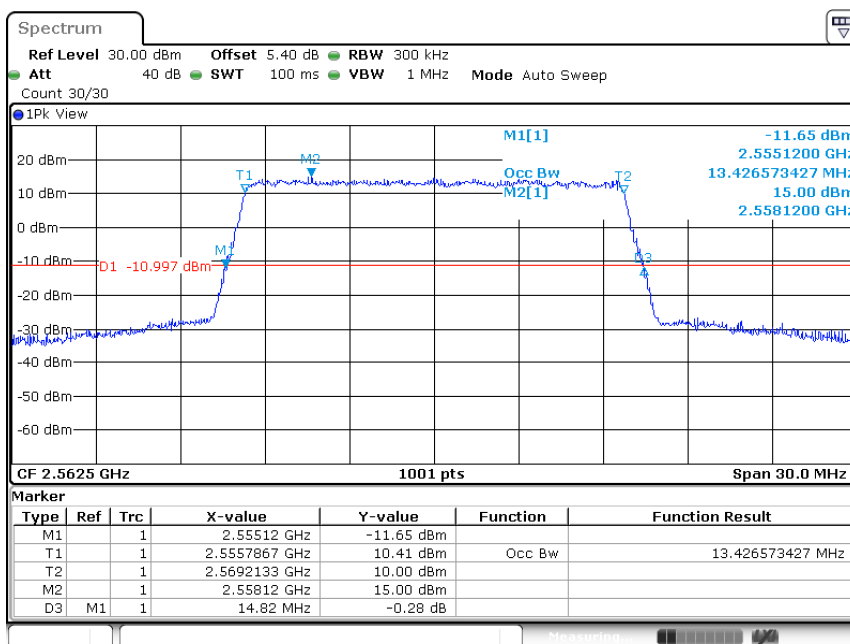
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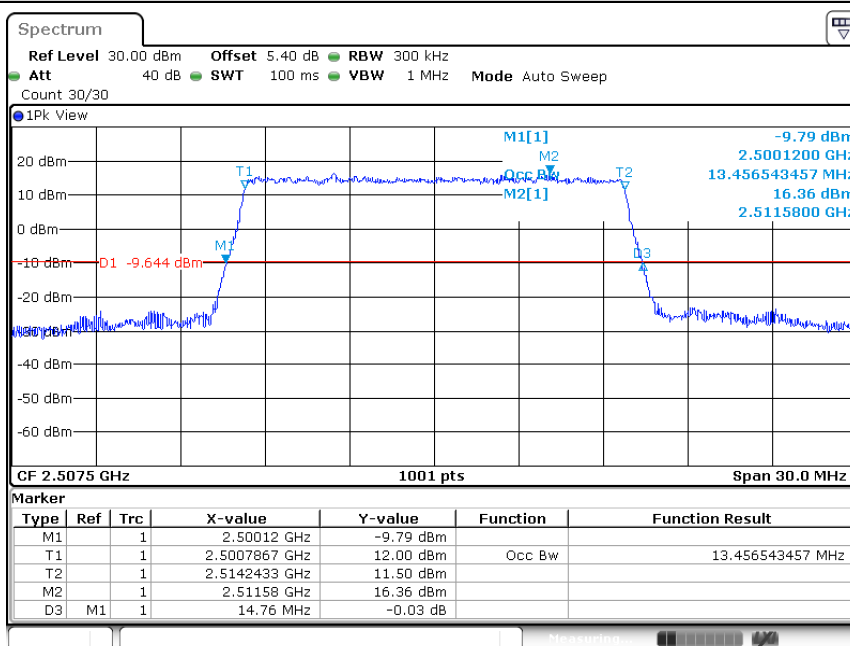


Band7-15MHz-64QAM-21375-75RB#0-13.427



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

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



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



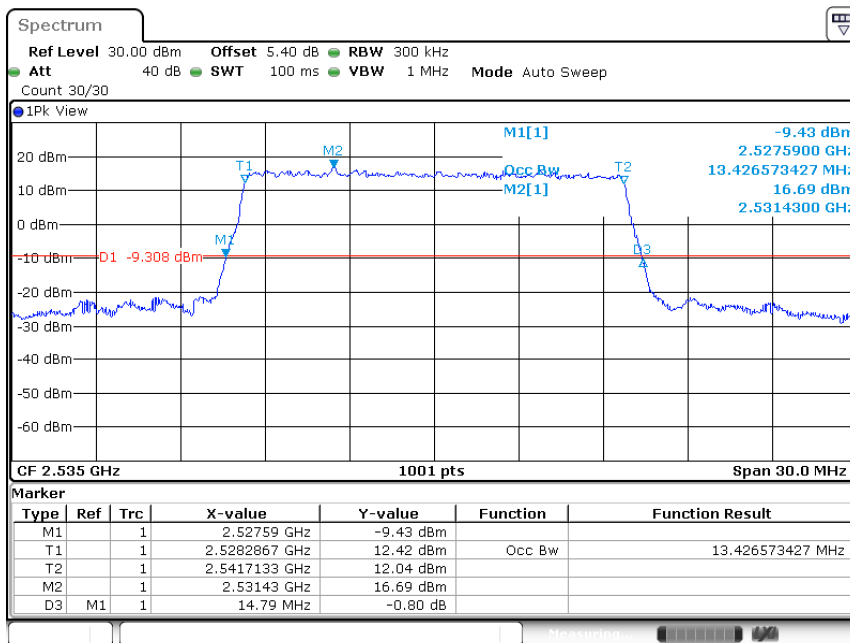
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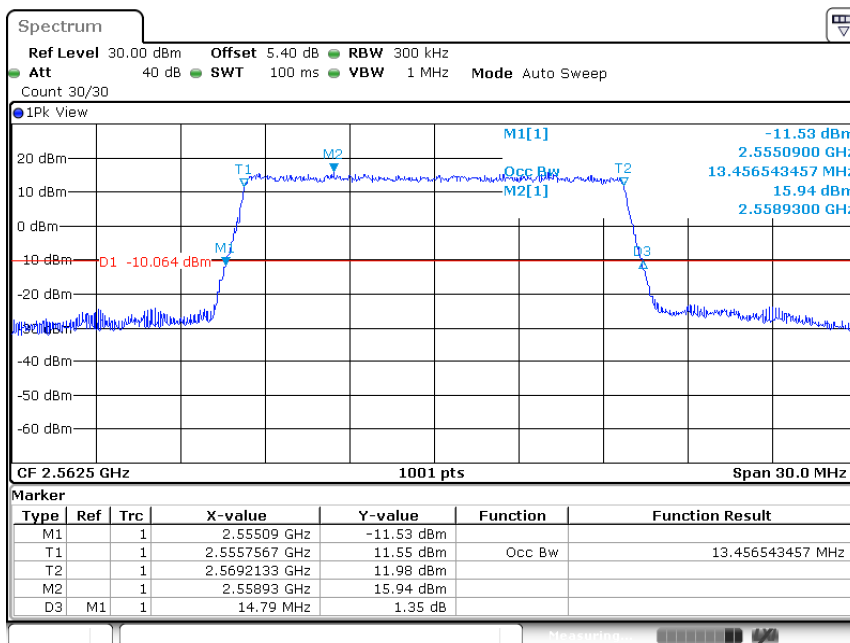


Band7-15MHz-16QAM-21100-75RB#0-13.427



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Date: 7.SEP.2020 18:12:04



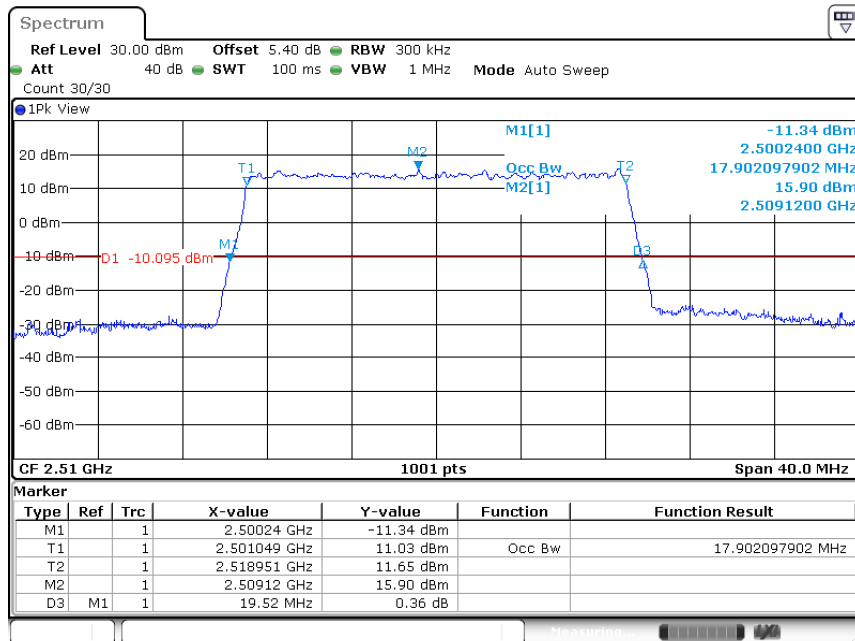
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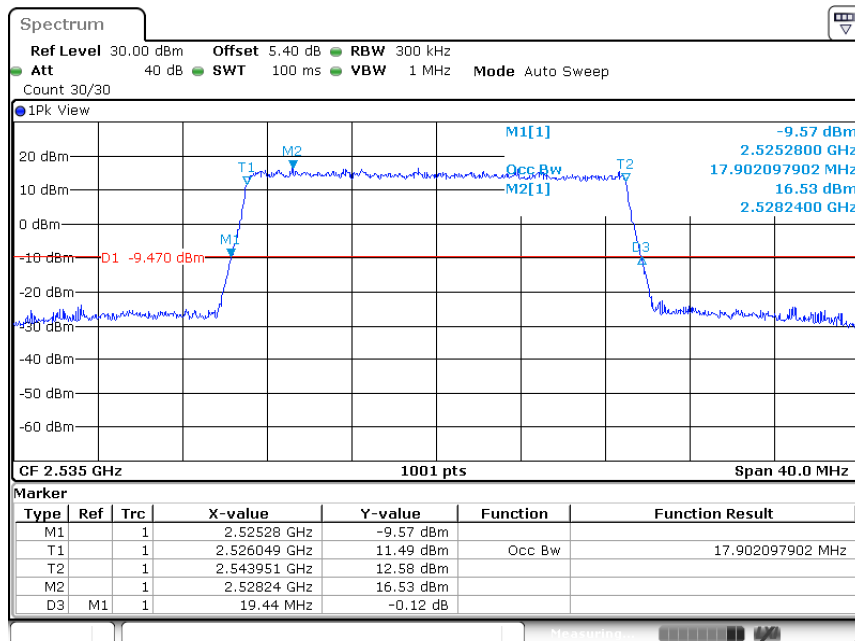


Band7-20MHz-QPSK-20850-100RB#0-17.902



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

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

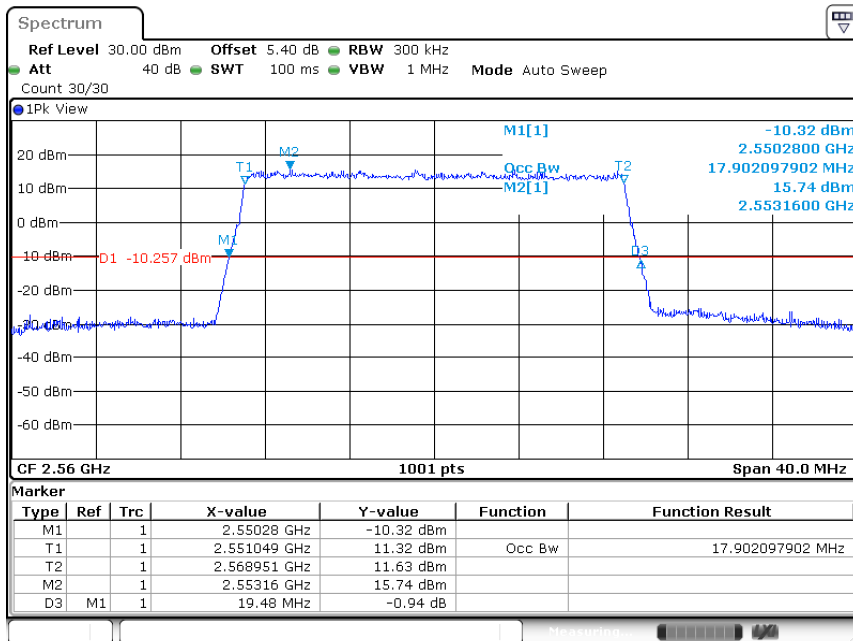


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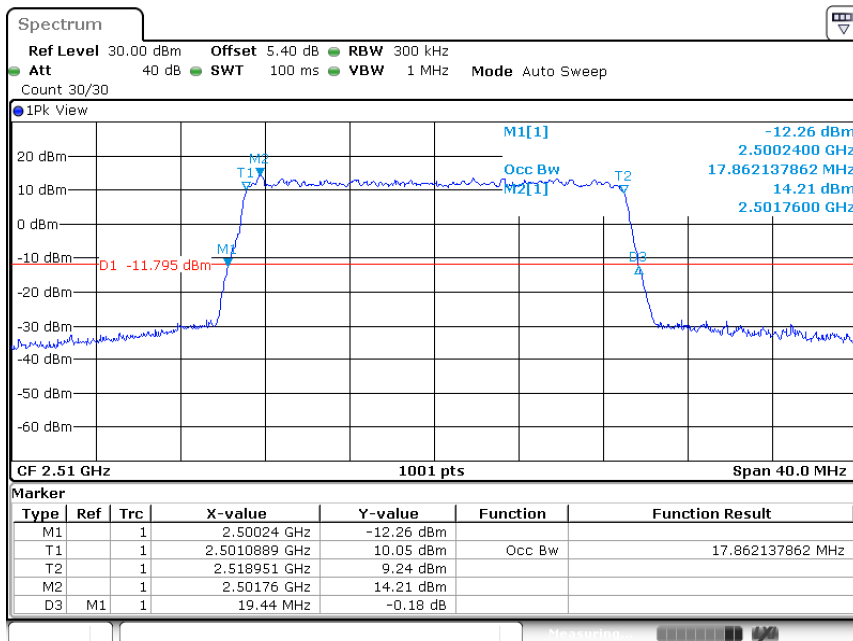


Band7-20MHz-QPSK-21350-100RB#0-17.902



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

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



Date: 7.SEP.2020 18:33:37



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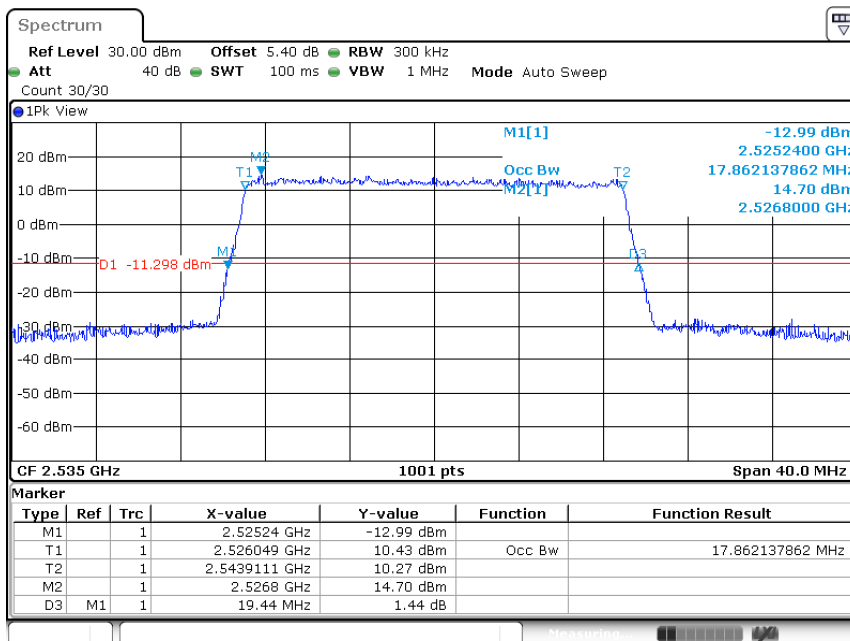
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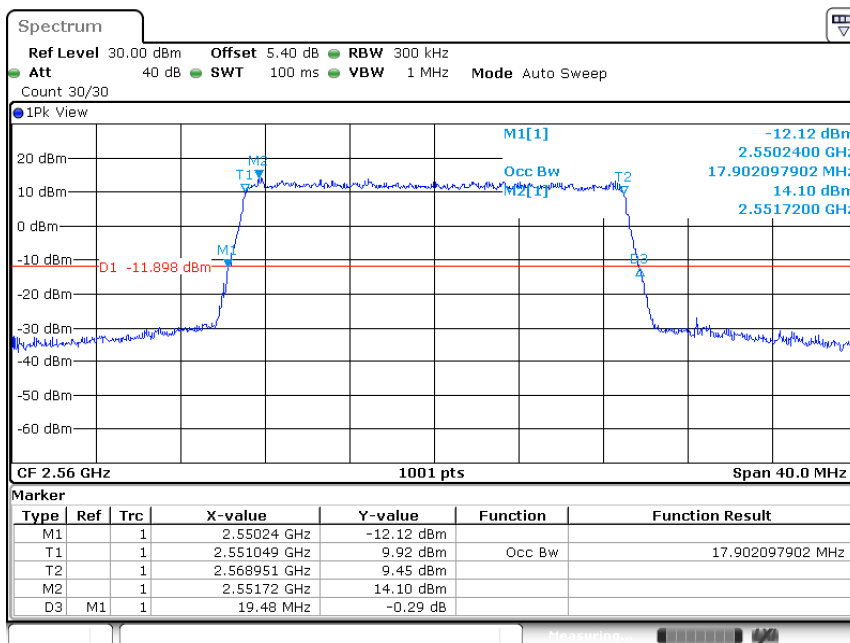


Band7-20MHz-64QAM-21100-100RB#0-17.862



Date: 7.SEP.2020 18:33:50

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



Date: 7.SEP.2020 18:34:03



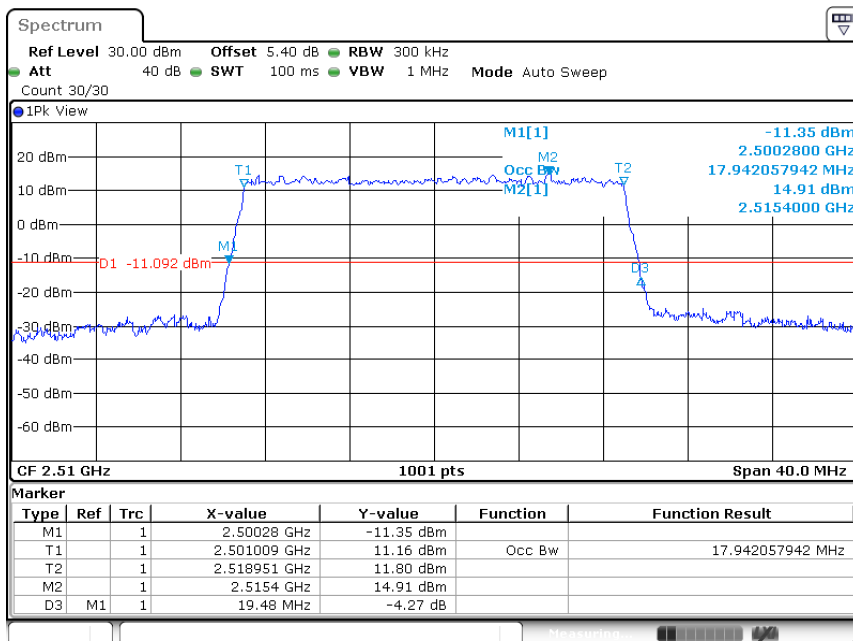
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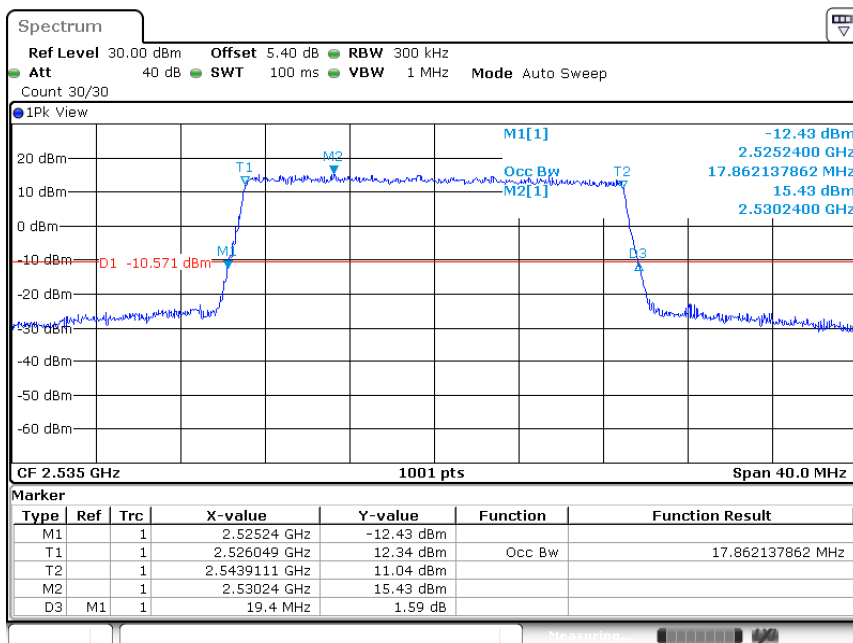


Band7-20MHz-16QAM-20850-100RB#0-17.942



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



Date: 7.SEP.2020 18:13:01

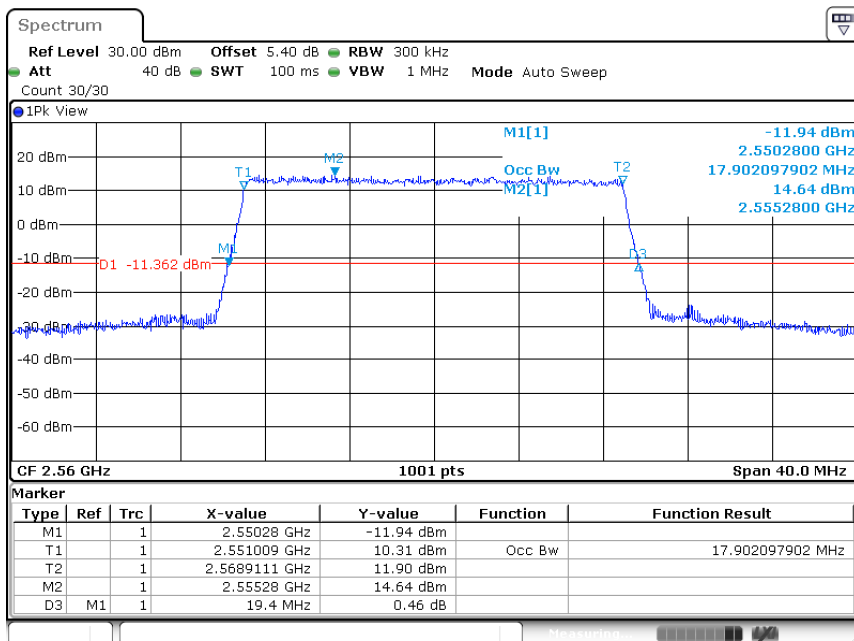


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Band7-20MHz-16QAM-21350-100RB#0-17.902



Date: 7.SEP.2020 18:13:27





5. Band Edge Compliance

5.1. Test Result

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



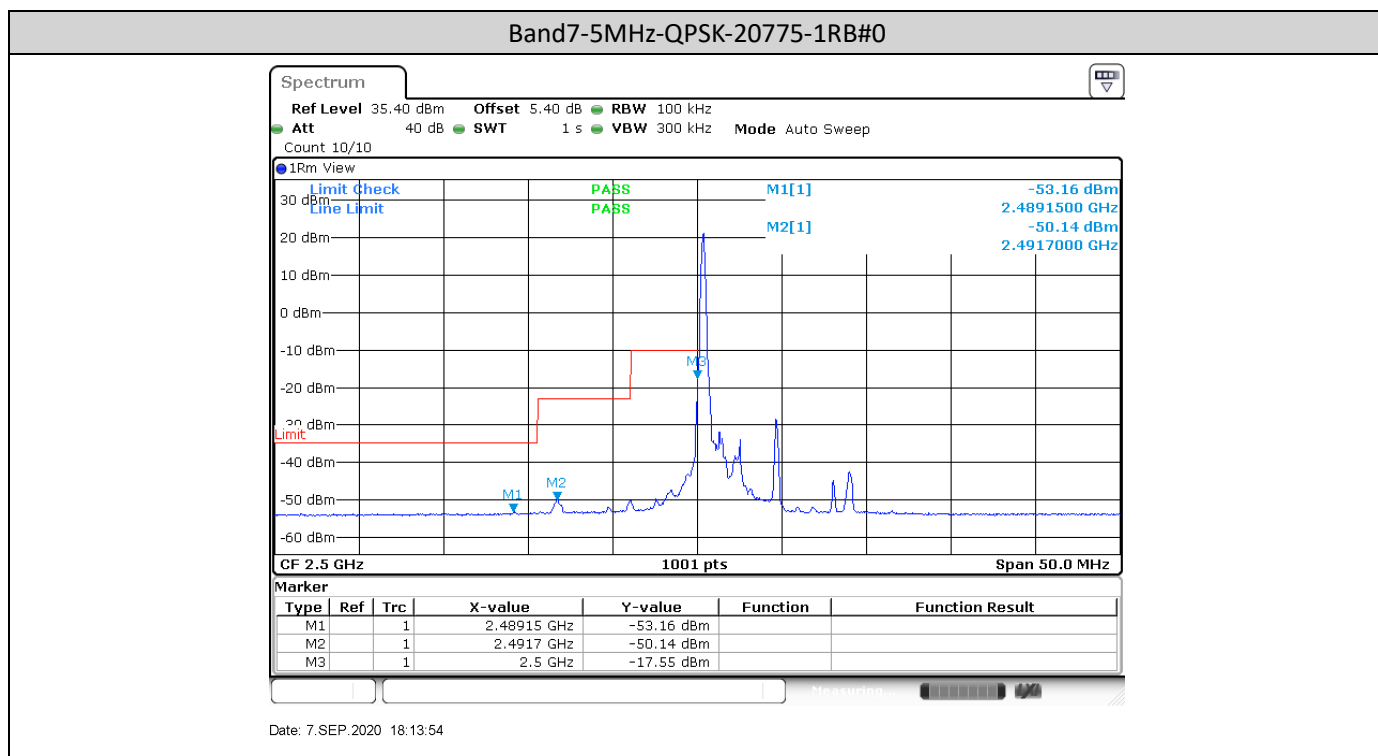
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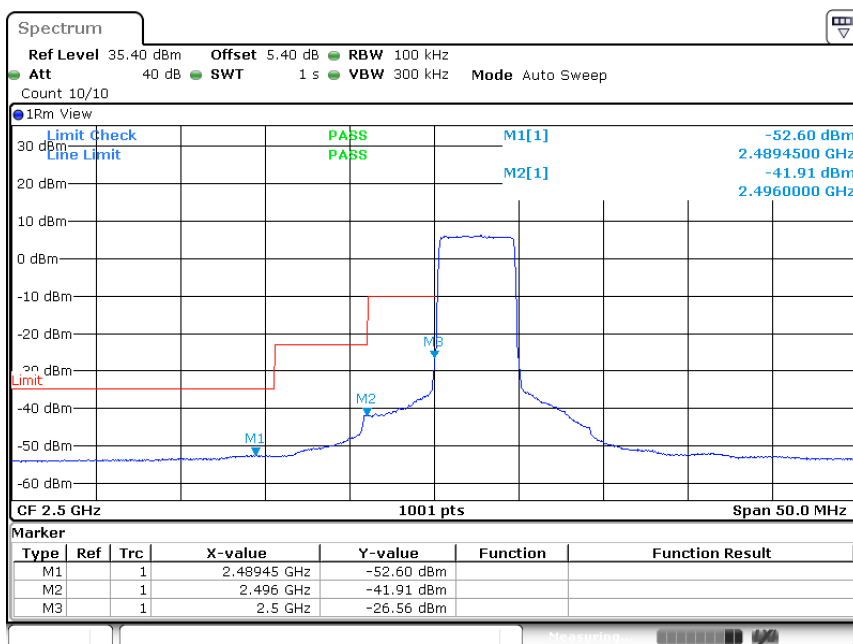


Band7	15MHz	16QAM	20825	1RB#0	-48.02,-41.43,-24.56	PASS
Band7	15MHz	16QAM	20825	75RB#0	-45.16,-41.12,-33.79	PASS
Band7	15MHz	16QAM	21375	1RB#74	-48.87,-45.53,-24.03	PASS
Band7	15MHz	16QAM	21375	75RB#0	-46.72,-40.79,-33.71	PASS
Band7	20MHz	QPSK	20850	1RB#0	-46.11,-41.19,-20.79	PASS
Band7	20MHz	QPSK	20850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

5.2. Test Plots

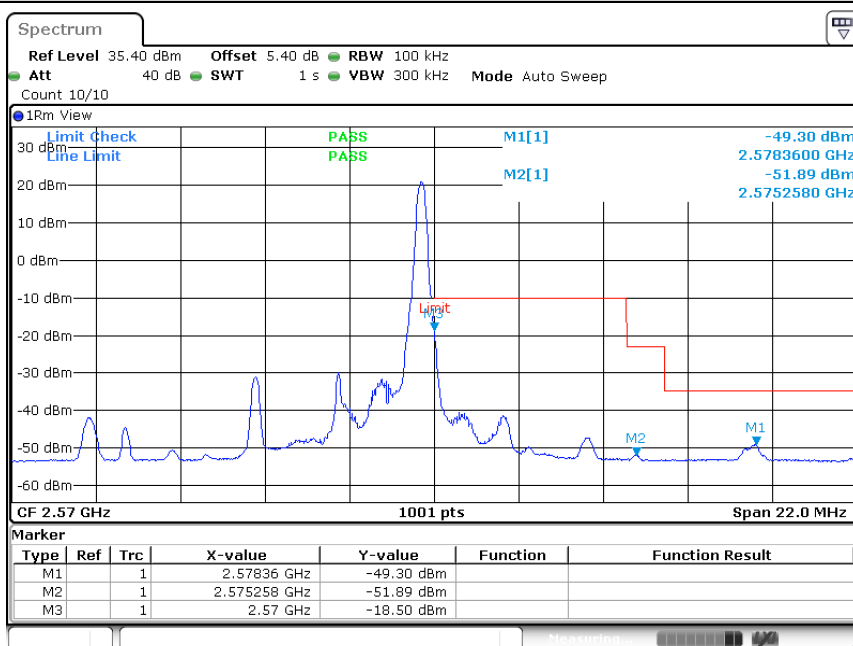


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Band7-5MHz-QPSK-21425-1RB#24

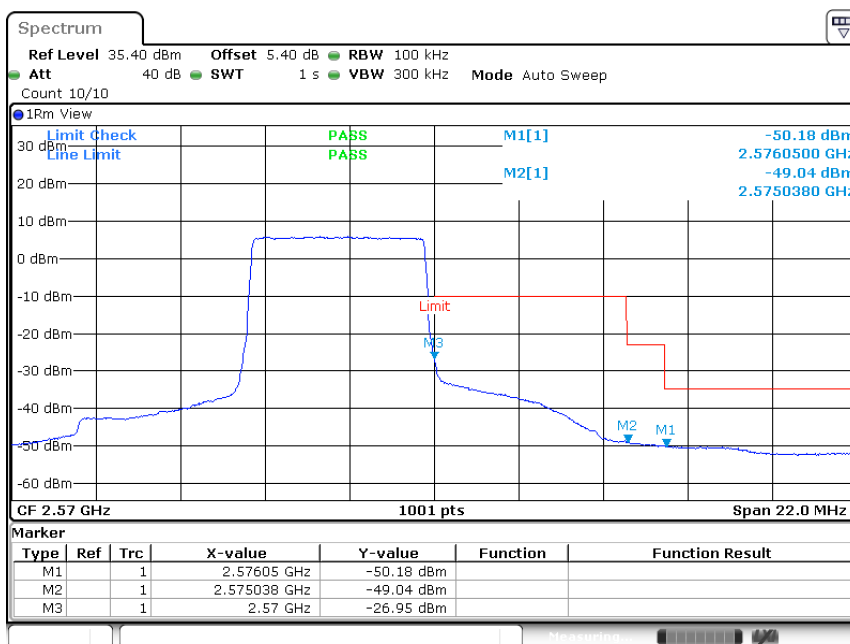


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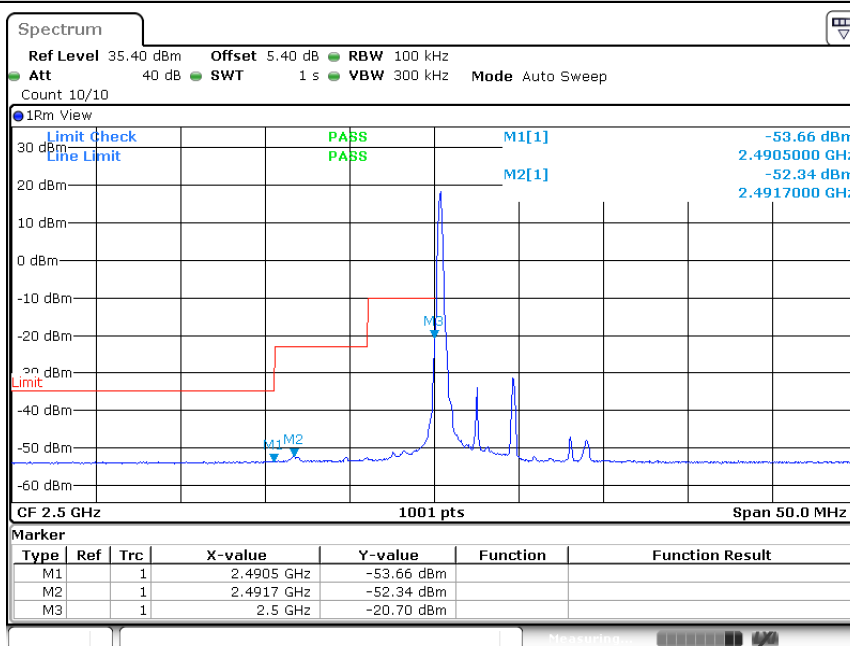


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Band7-5MHz-64QAM-20775-1RB#0



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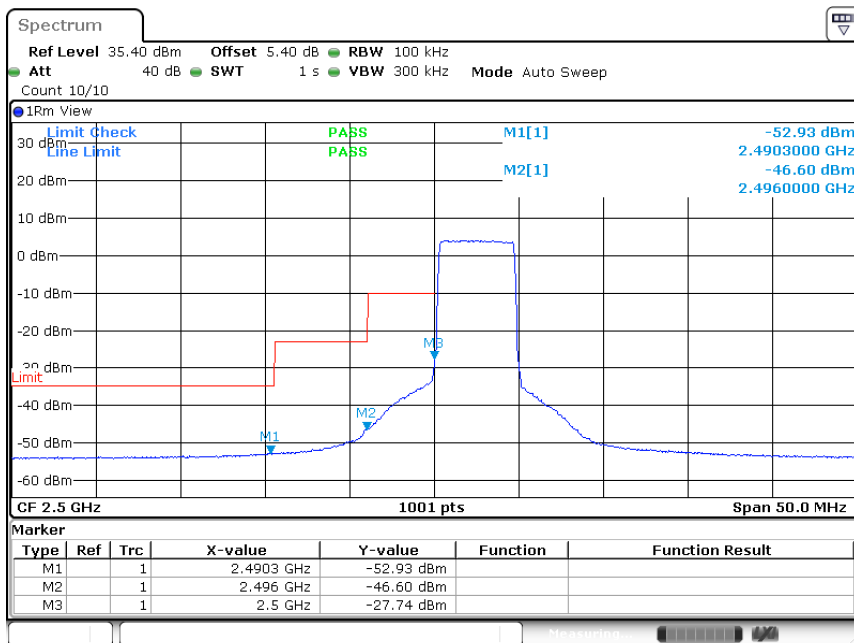
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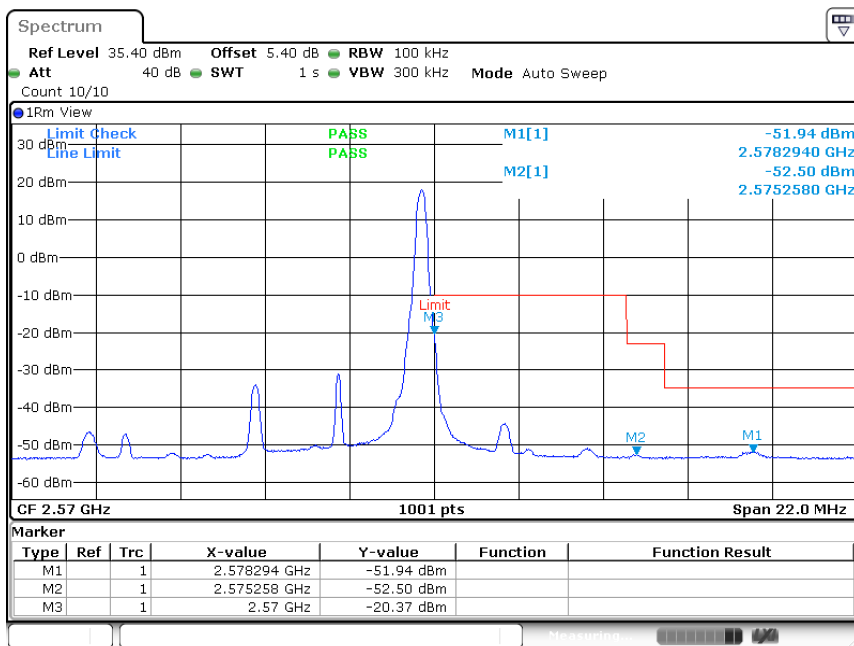
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Band7-5MHz-64QAM-20775-25RB#0



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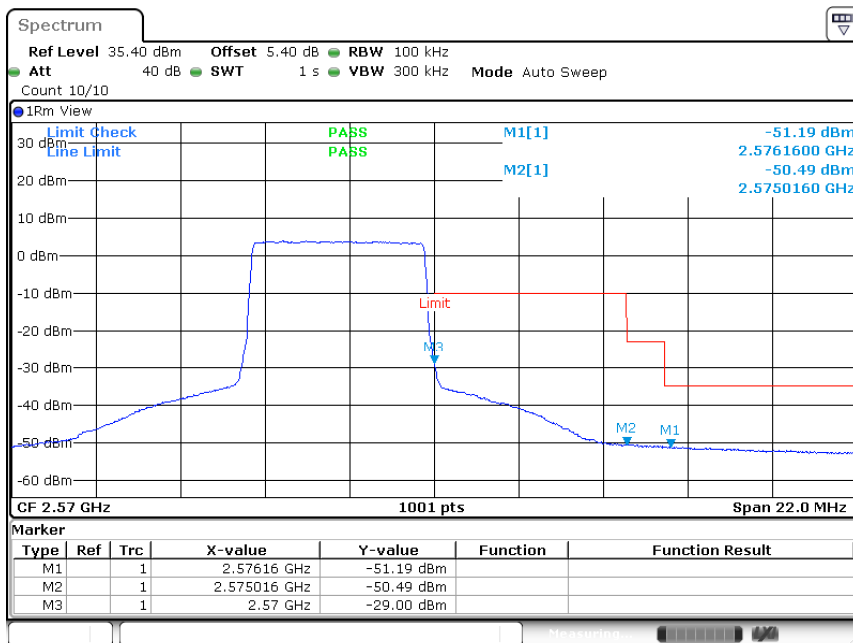
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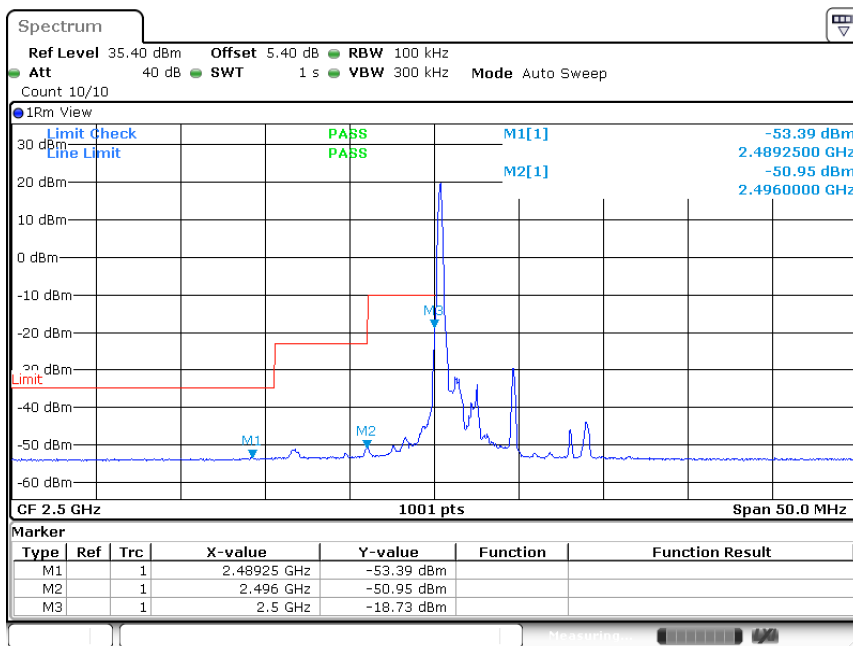


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Band7-5MHz-16QAM-20775-1RB#0



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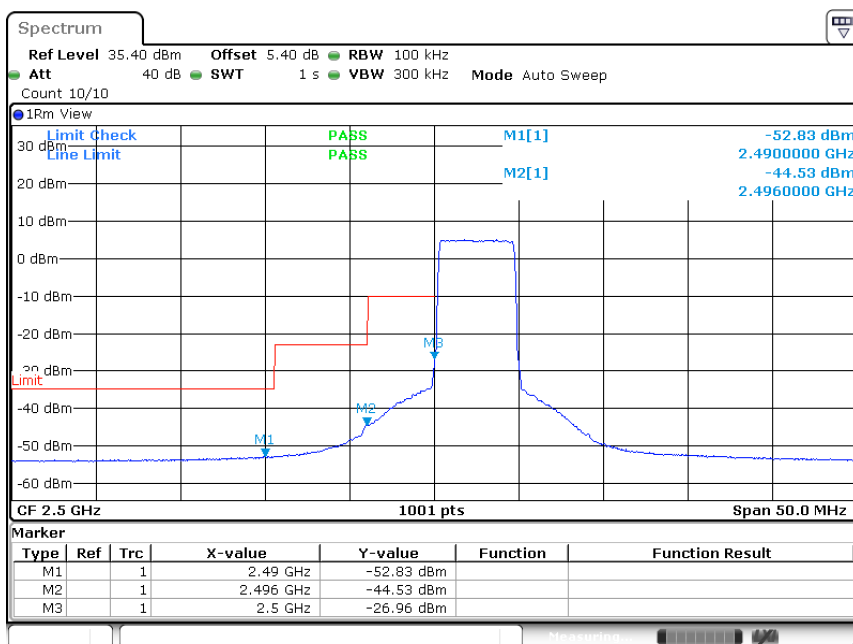
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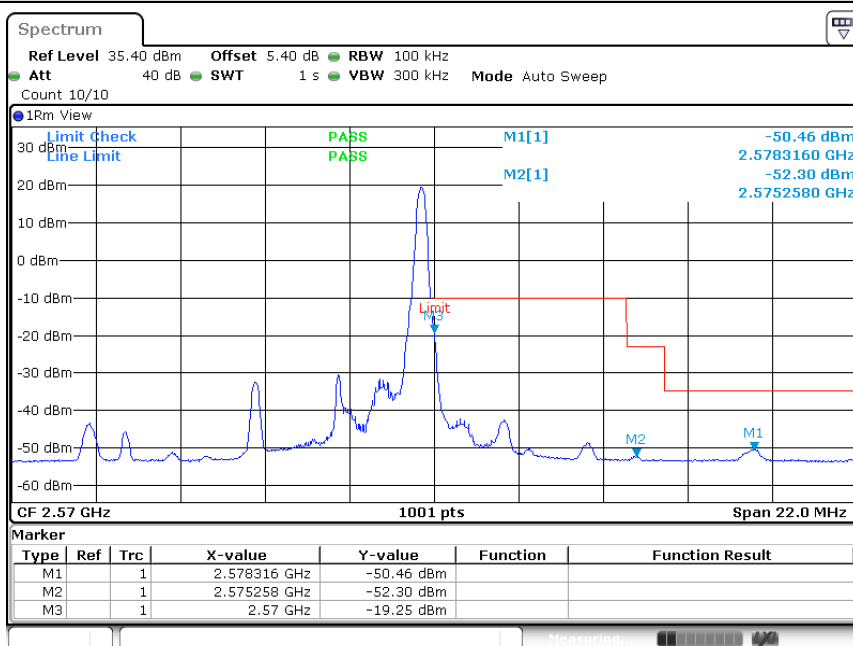


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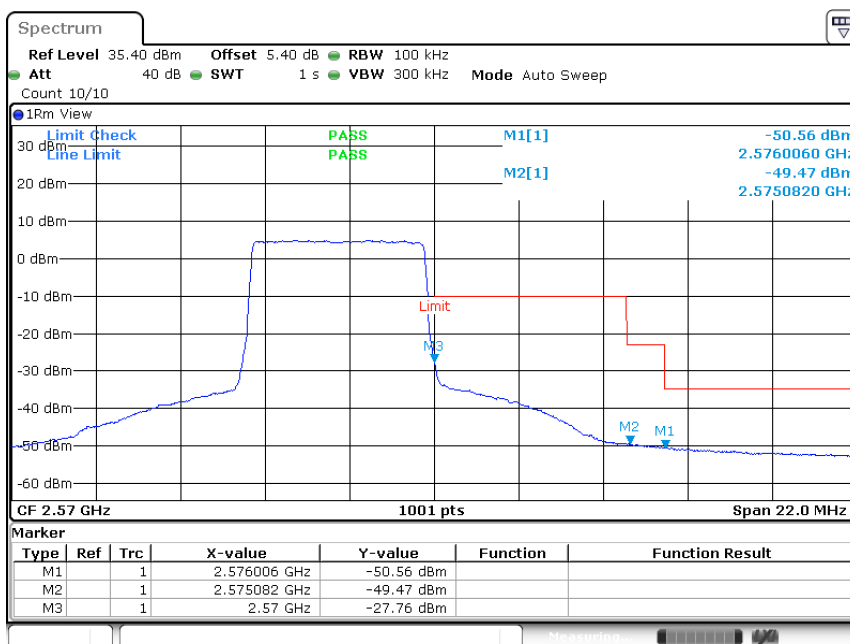


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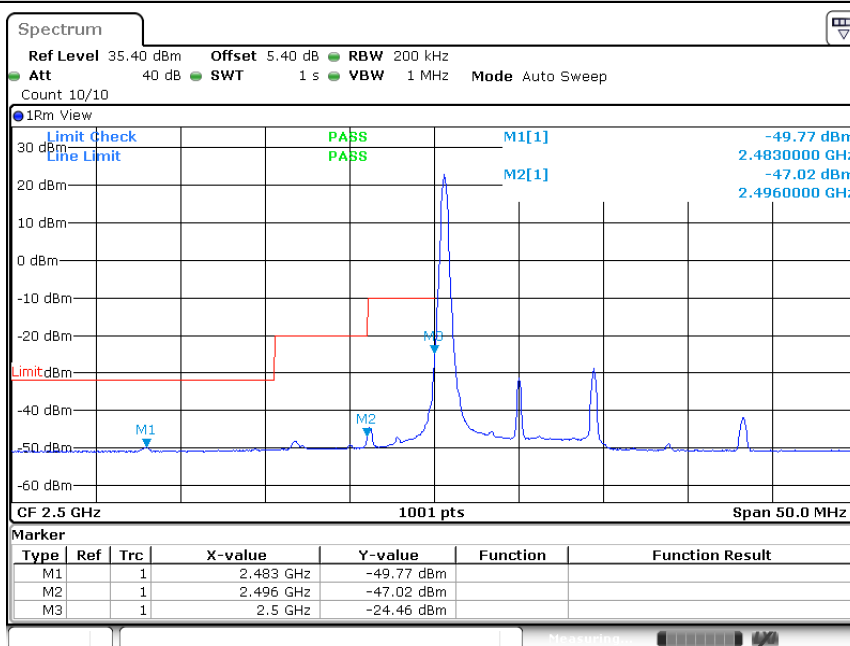


Band7-5MHz-16QAM-21425-25RB#0



Date: 7.SEP.2020 18:16:32

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



Date: 7.SEP.2020 18:16:59



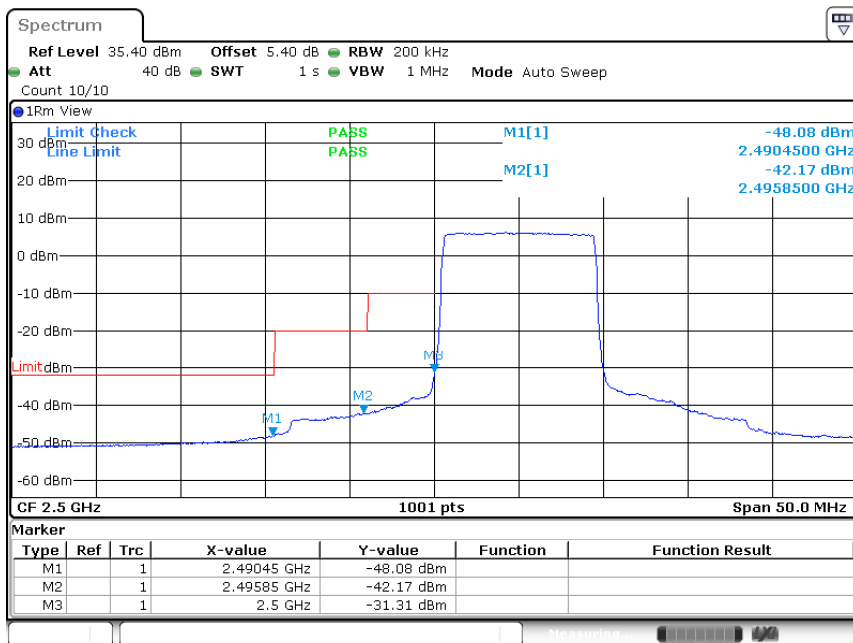
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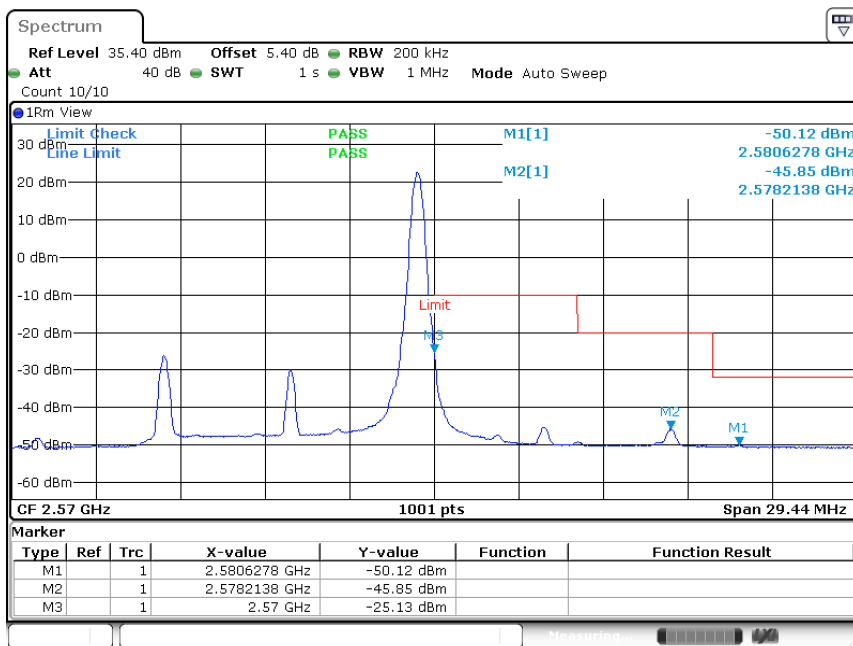
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Band7-10MHz-QPSK-20800-50RB#0



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

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

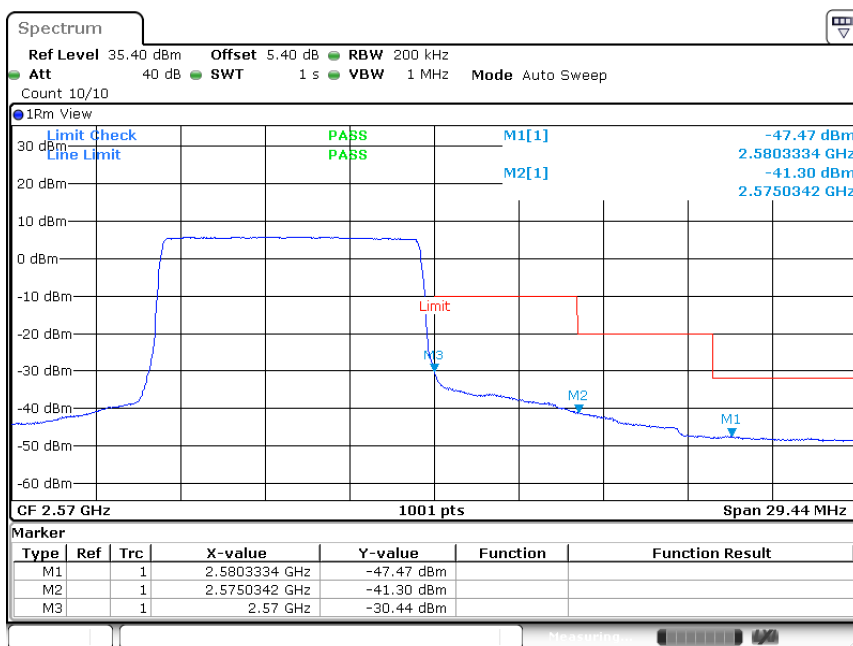


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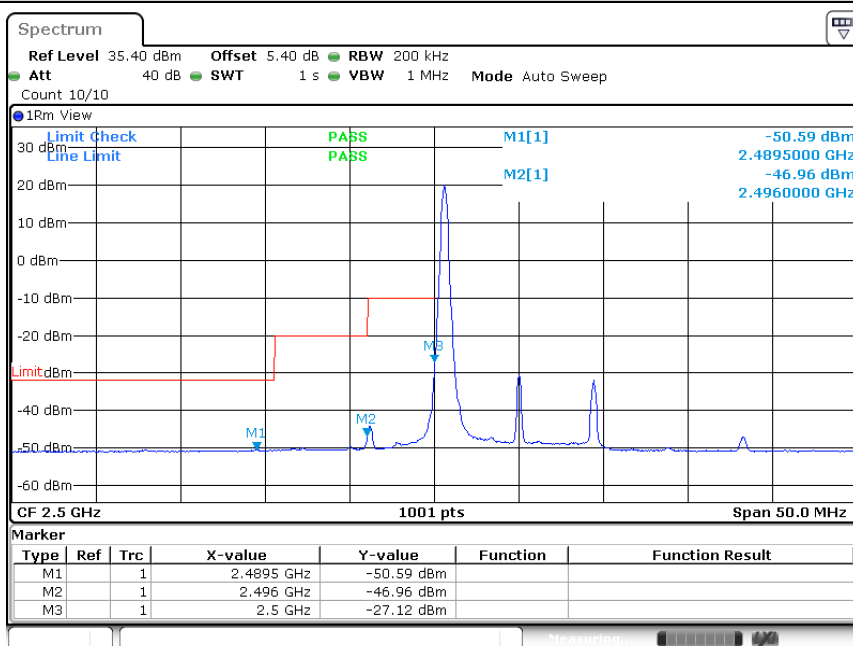


Band7-10MHz-QPSK-21400-50RB#0



Date: 7.SEP.2020 18:19:17

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



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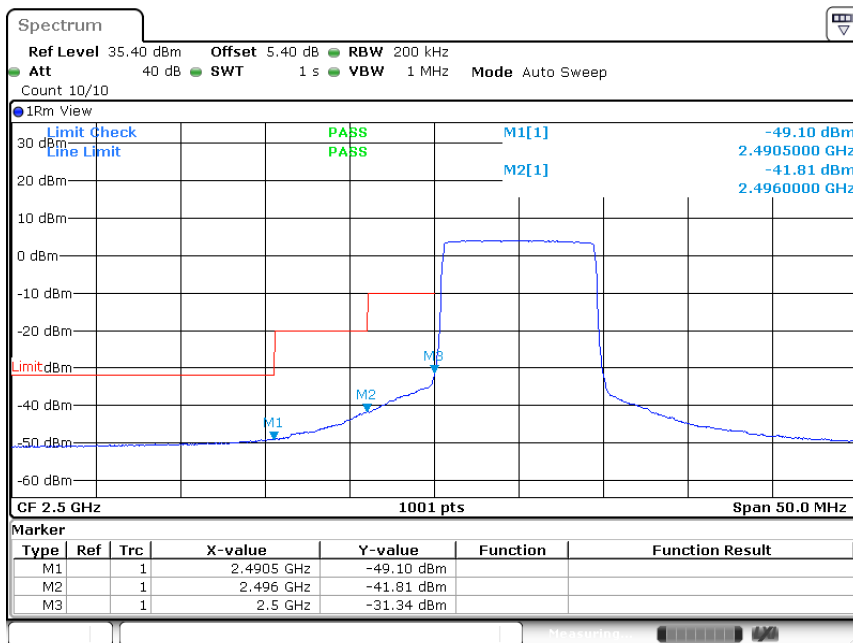


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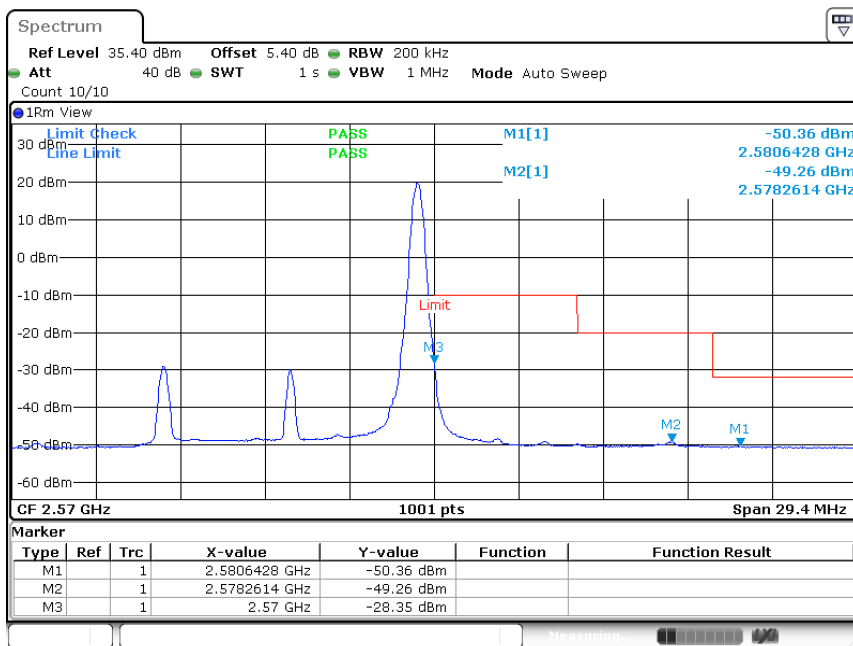


Band7-10MHz-64QAM-20800-50RB#0



Date: 7.SEP.2020 18:37:07

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



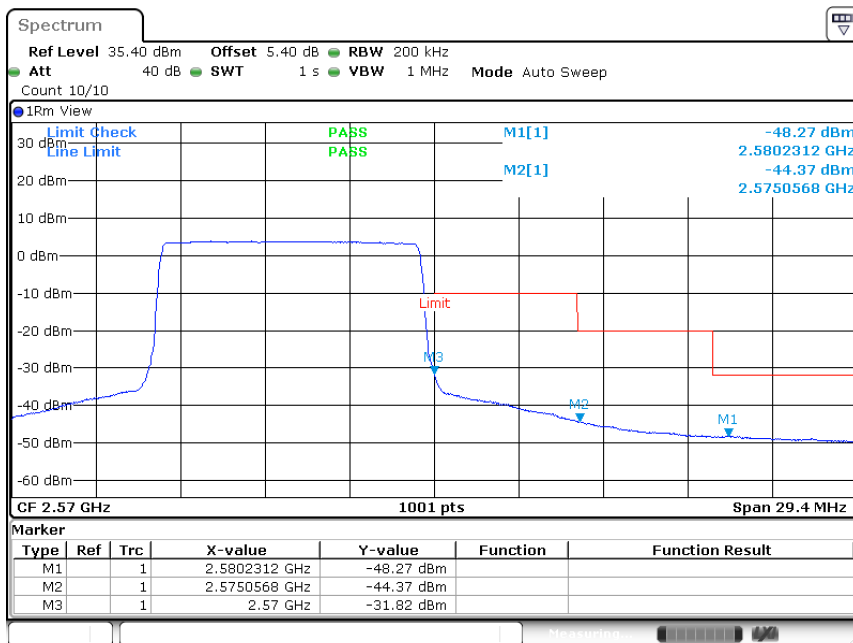
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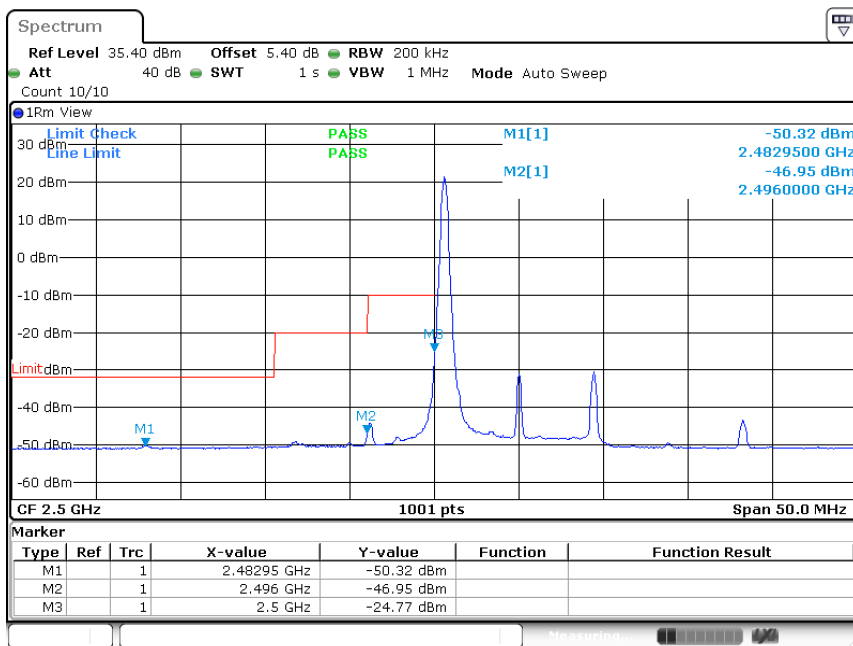
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Band7-10MHz-64QAM-21400-50RB#0



Date: 7.SEP.2020 18:37:29

Band7-10MHz-16QAM-20800-1RB#0

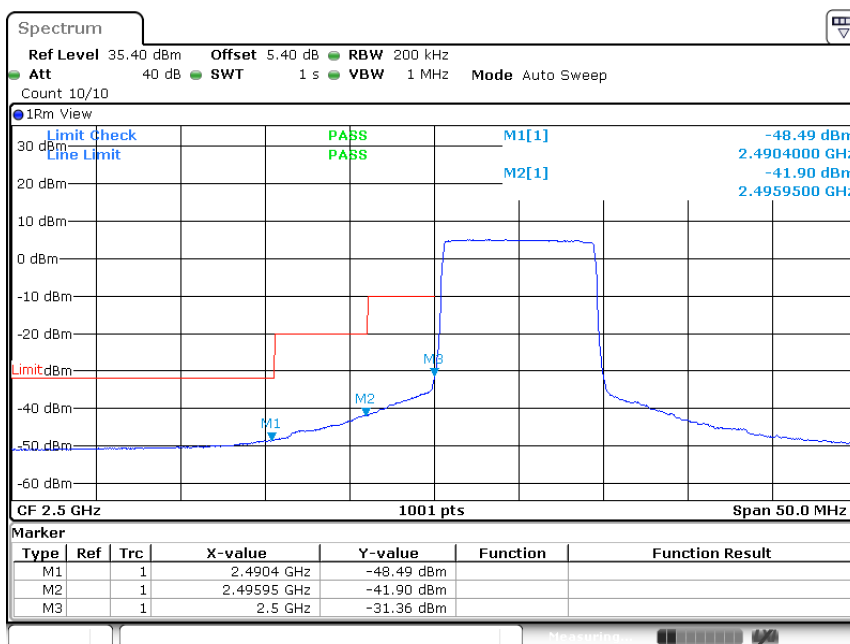


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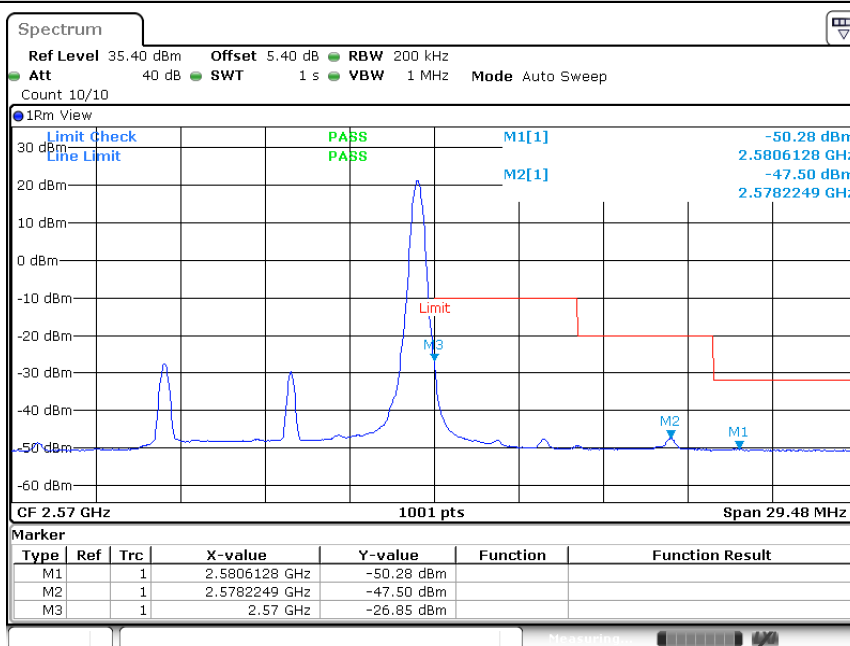


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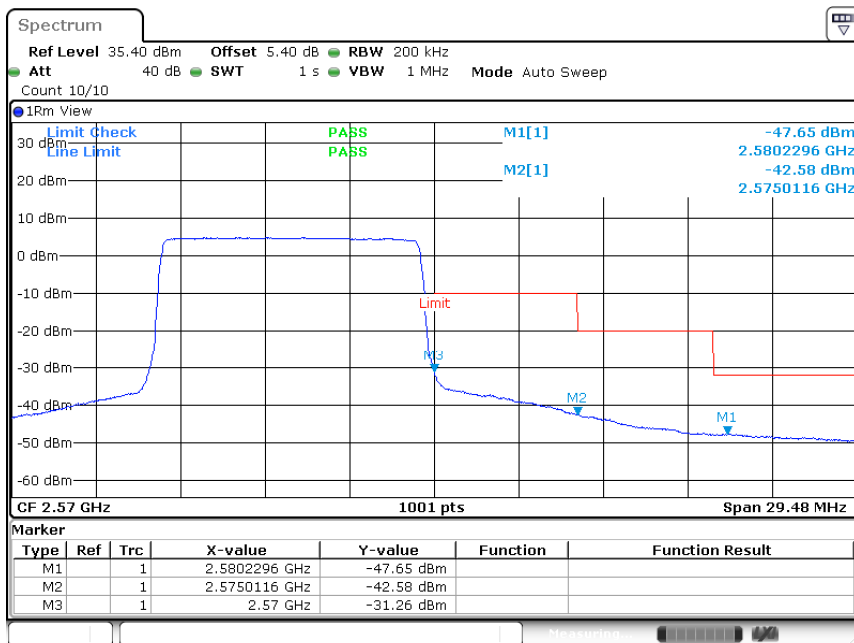


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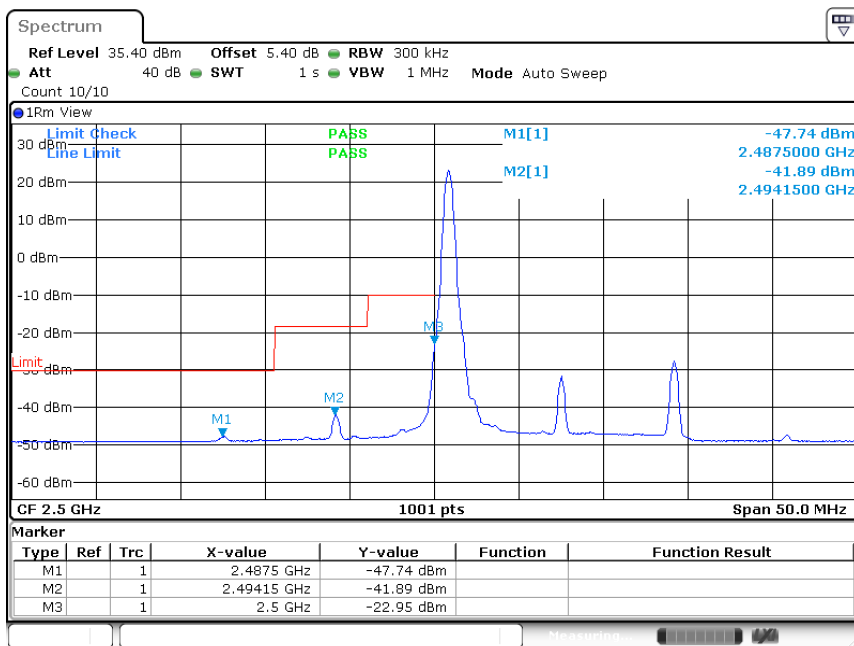
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Band7-10MHz-16QAM-21400-50RB#0



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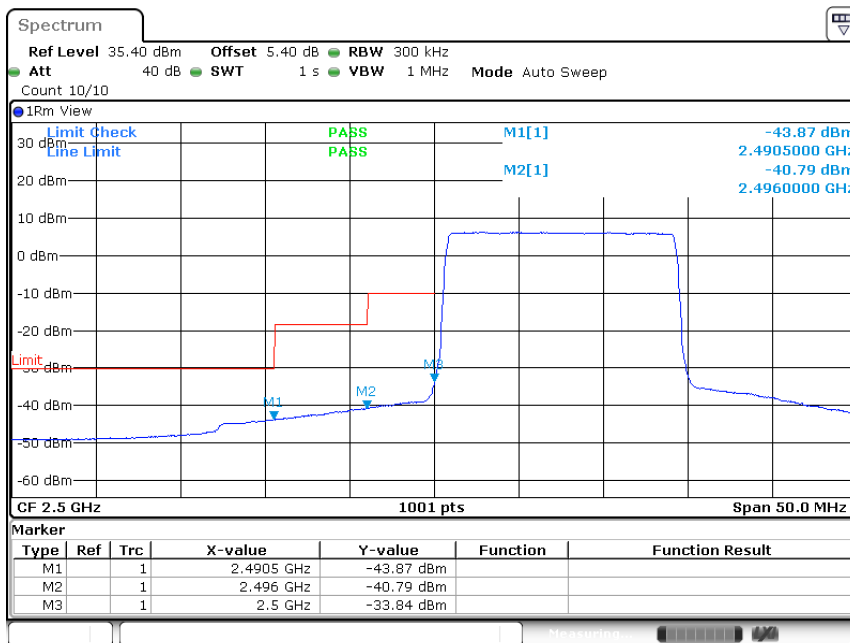
Band7-15MHz-QPSK-20825-1RB#0



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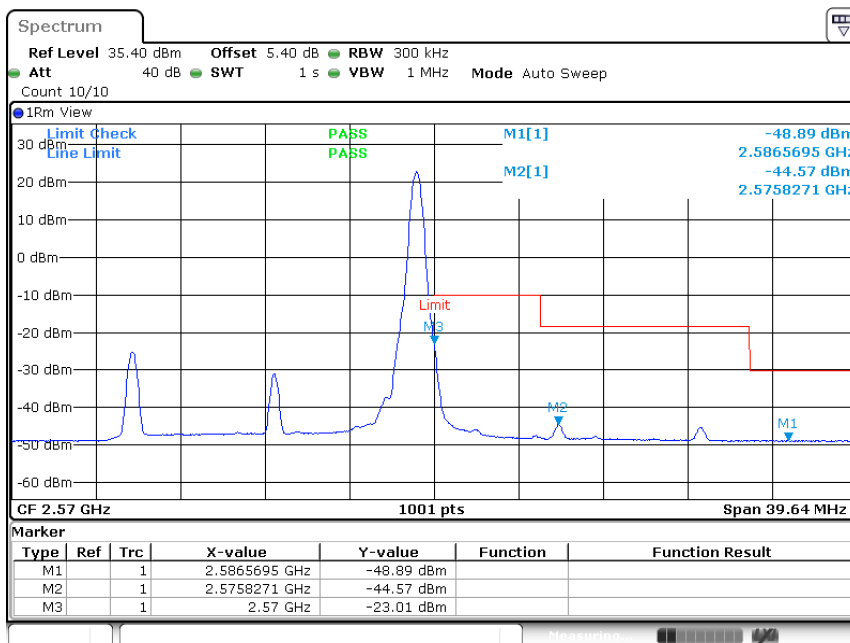


Band7-15MHz-QPSK-20825-75RB#0



Date: 7.SEP.2020 18:21:40

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



Date: 7.SEP.2020 18:20:53



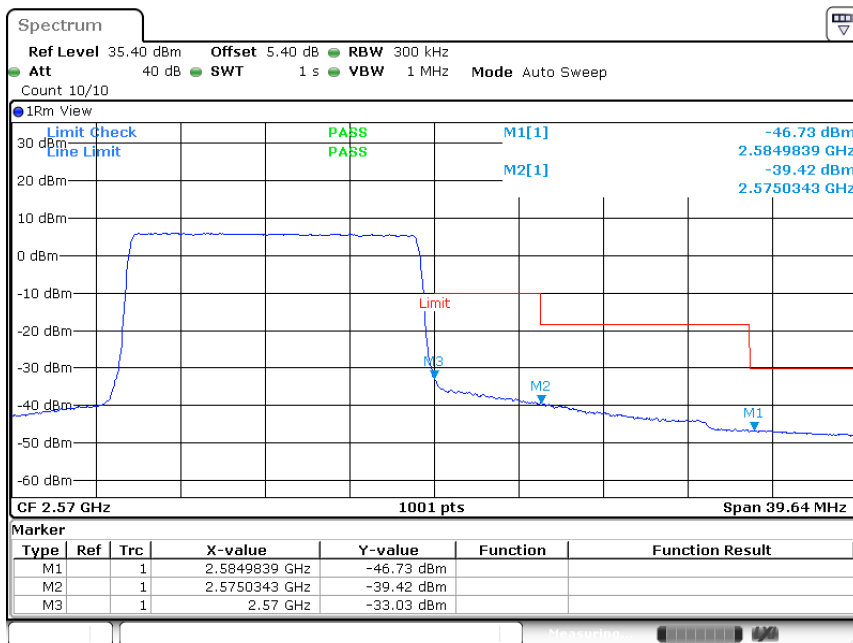
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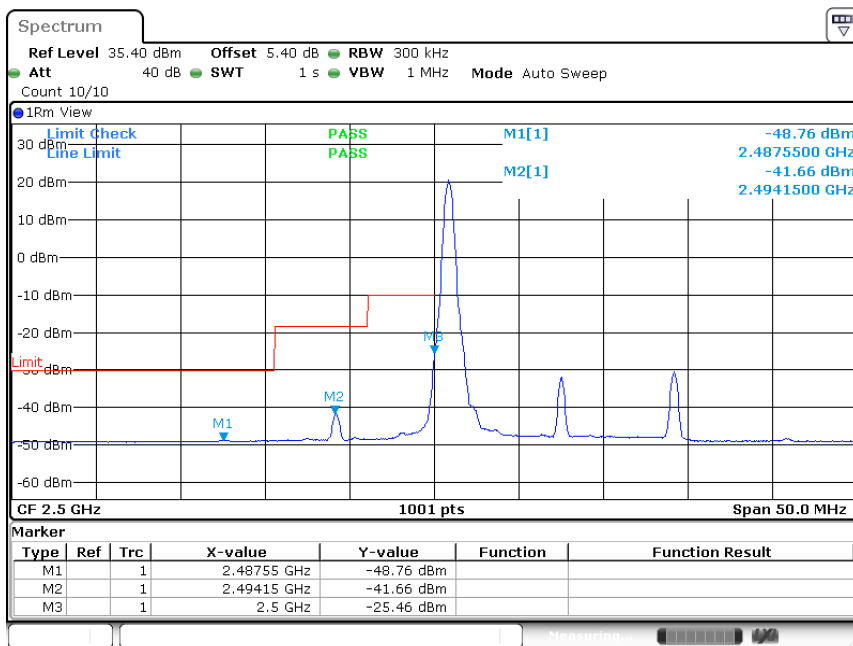


Band7-15MHz-QPSK-21375-75RB#0



Date: 7.SEP.2020 18:22:23

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



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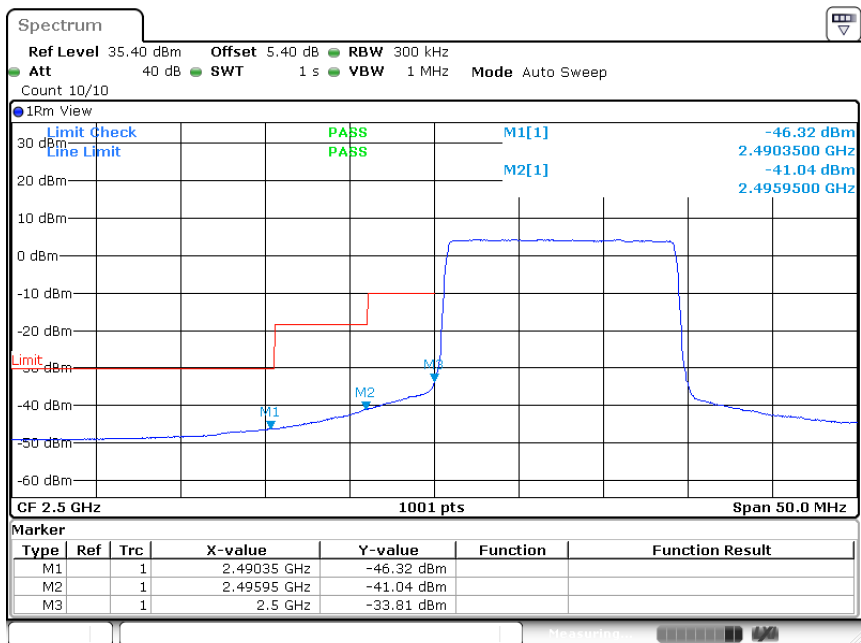


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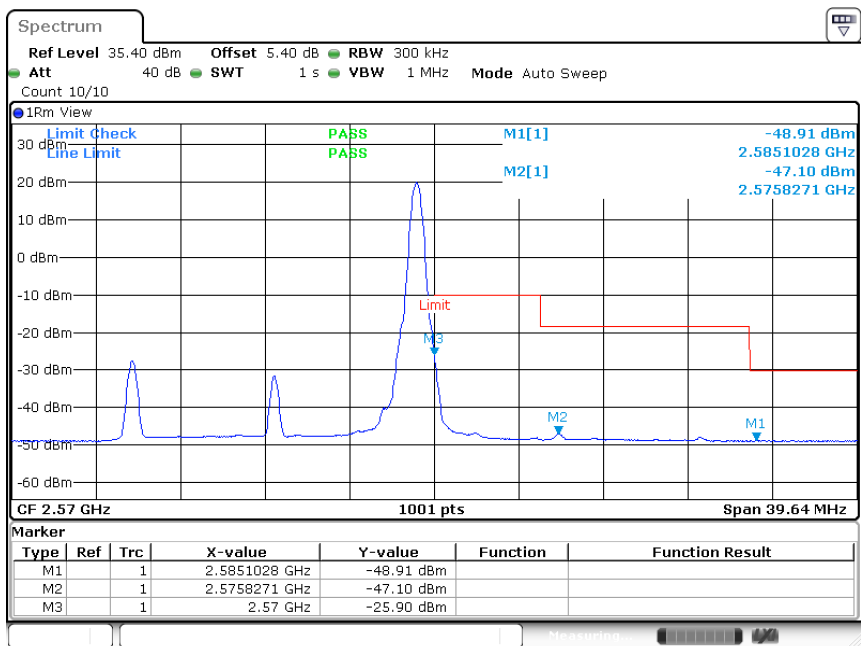


Band7-15MHz-64QAM-20825-75RB#0



Date: 7.SEP.2020 18:38:51

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



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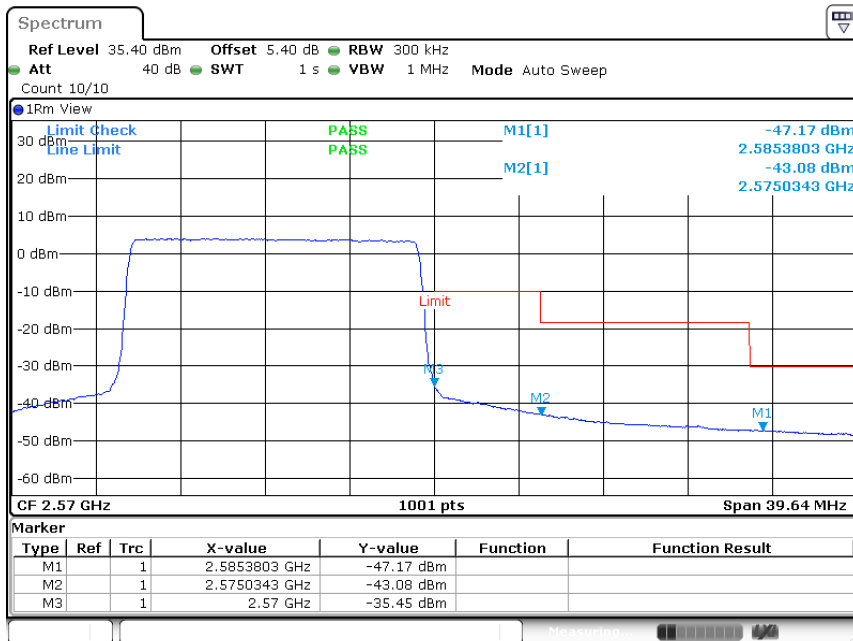


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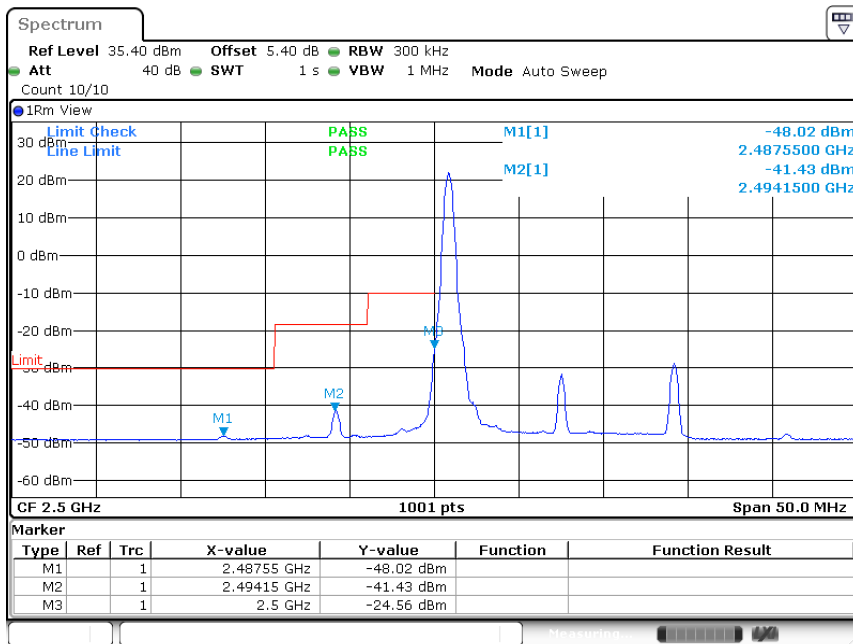


Band7-15MHz-64QAM-21375-75RB#0



Date: 7.SEP.2020 18:39:12

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



Date: 7.SEP.2020 18:20:27

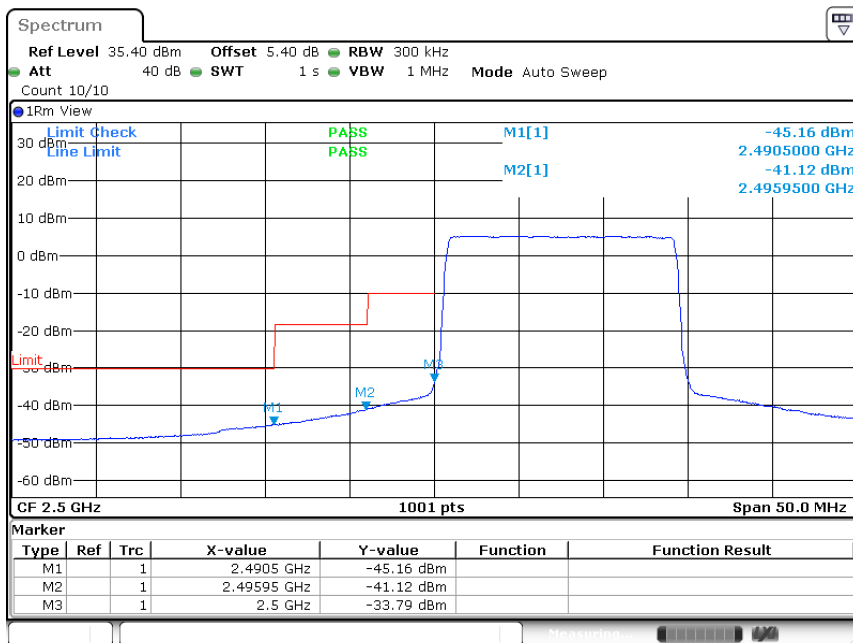


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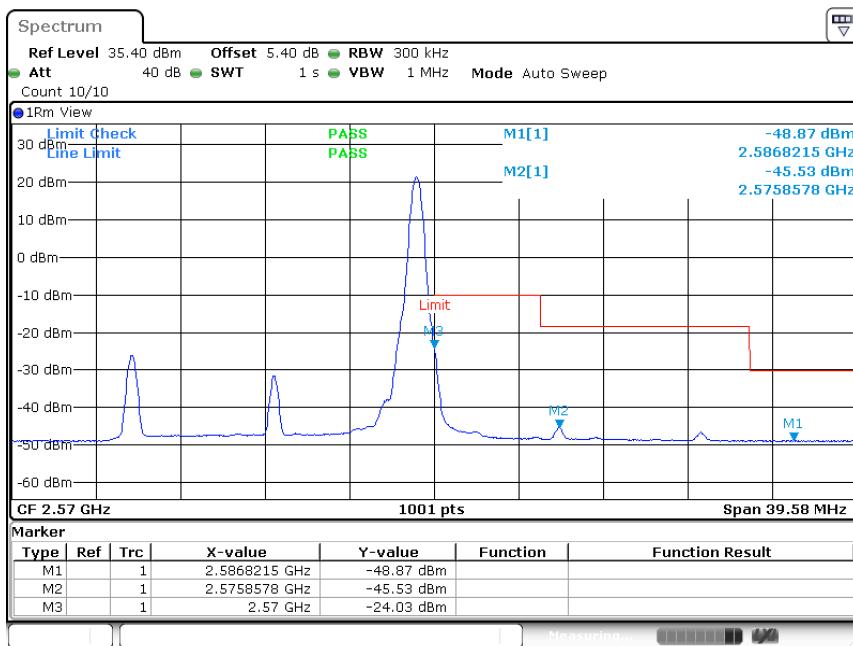
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Band7-15MHz-16QAM-20825-75RB#0



Date: 7.SEP.2020 18:22:02

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



Date: 7.SEP.2020 18:21:15

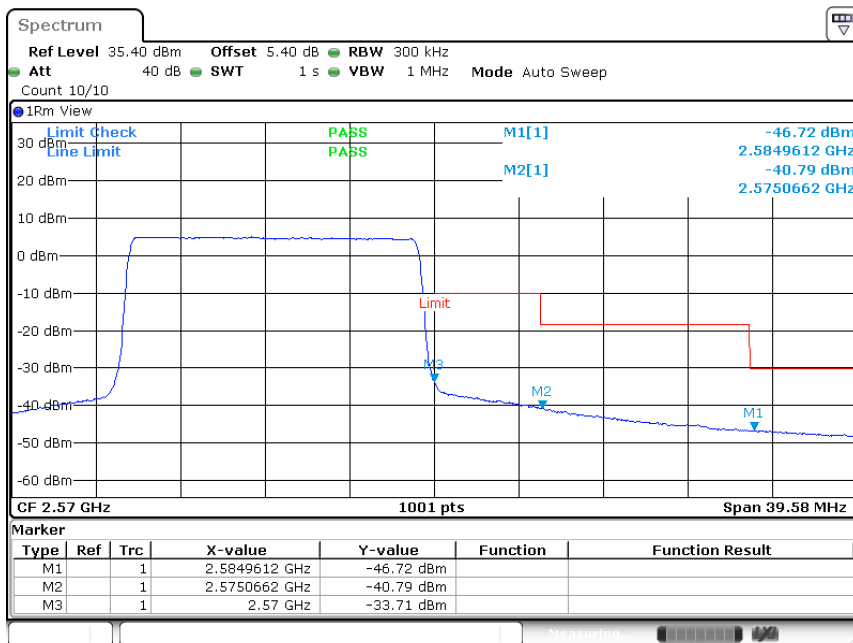


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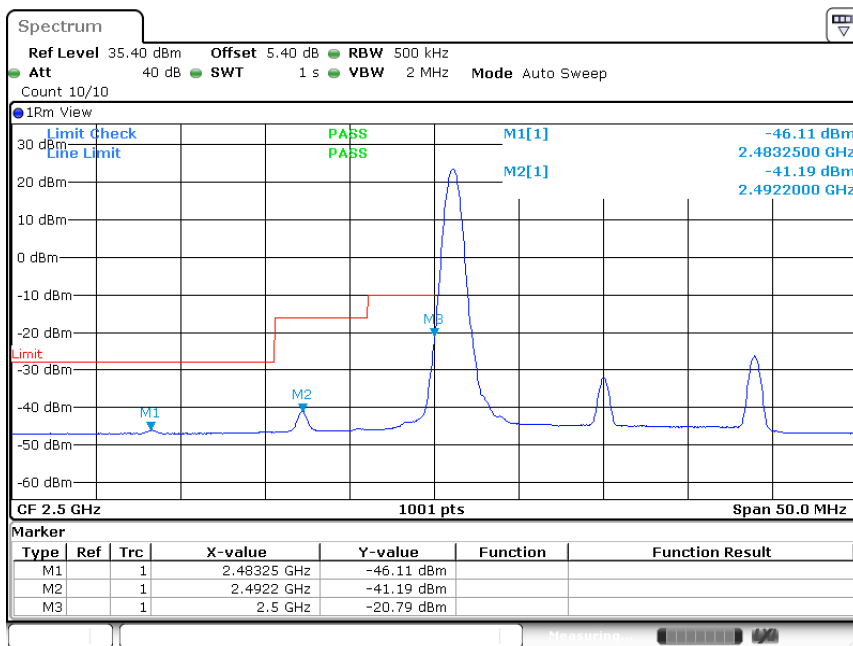
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Band7-15MHz-16QAM-21375-75RB#0



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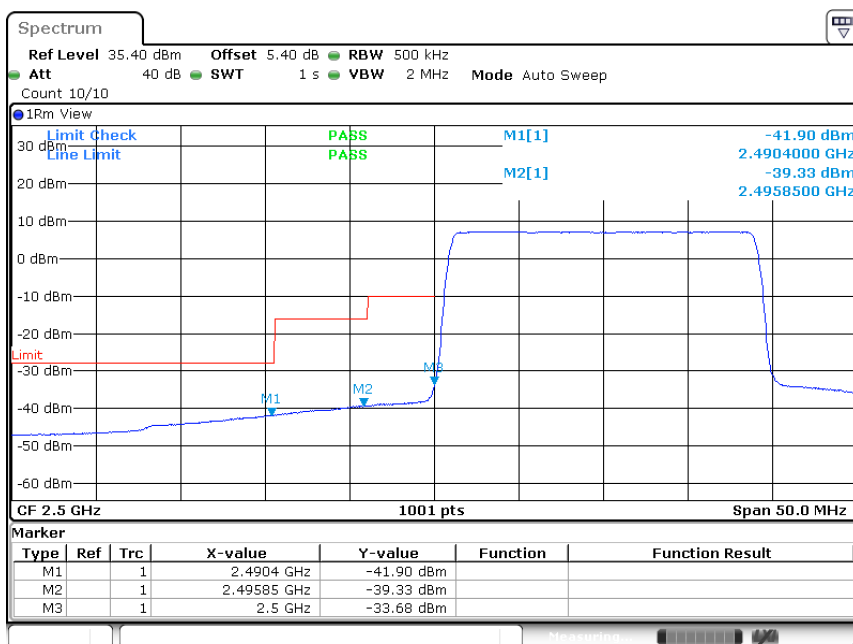
Band7-20MHz-QPSK-20850-1RB#0



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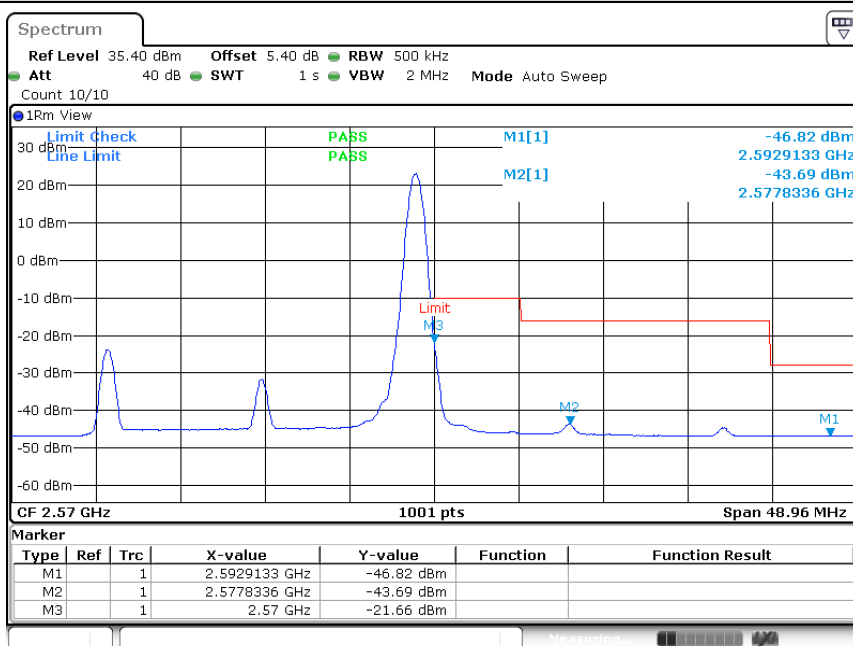


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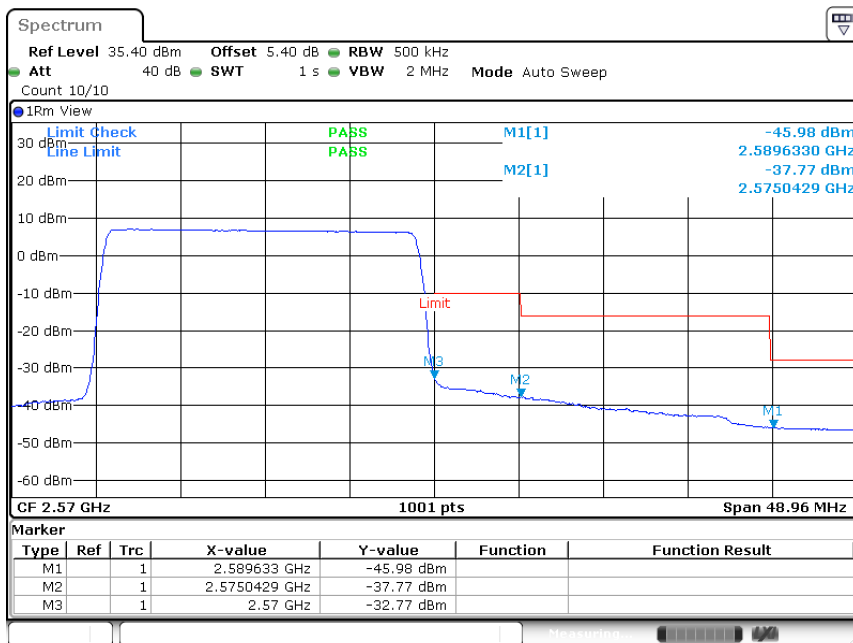


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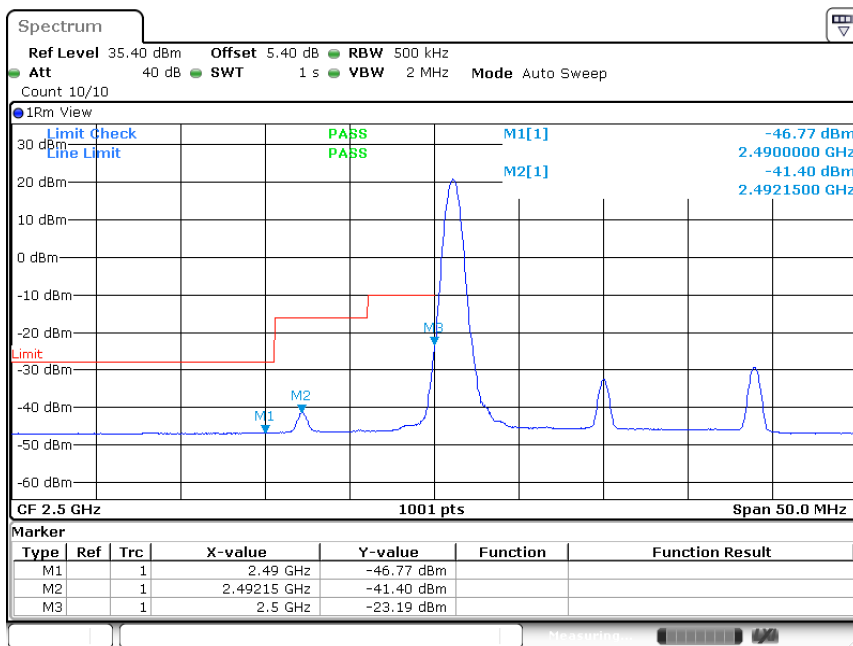


Band7-20MHz-QPSK-21350-100RB#0



Date: 7.SEP.2020 18:25:29

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



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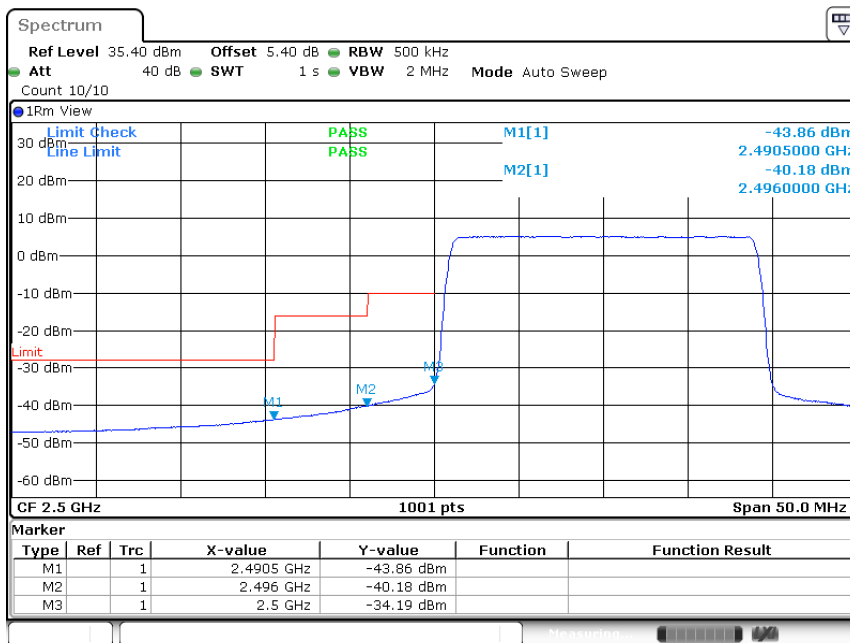


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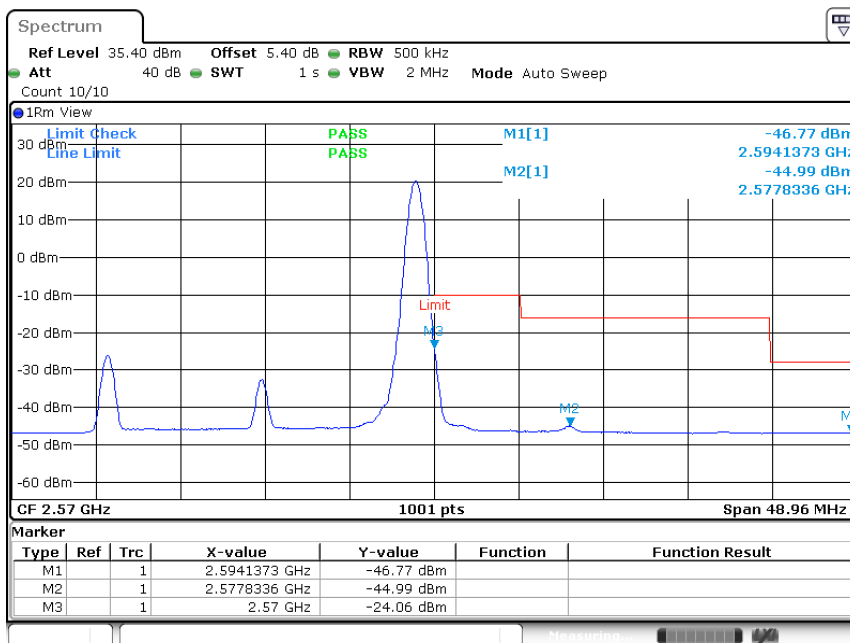


Band7-20MHz-64QAM-20850-100RB#0



Date: 7.SEP.2020 18:40:34

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



Date: 7.SEP.2020 18:40:07



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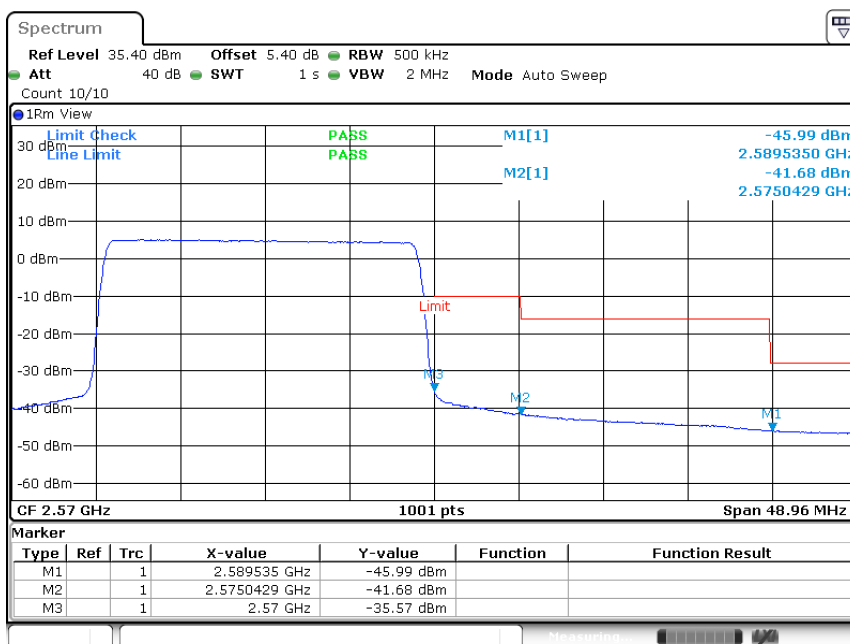
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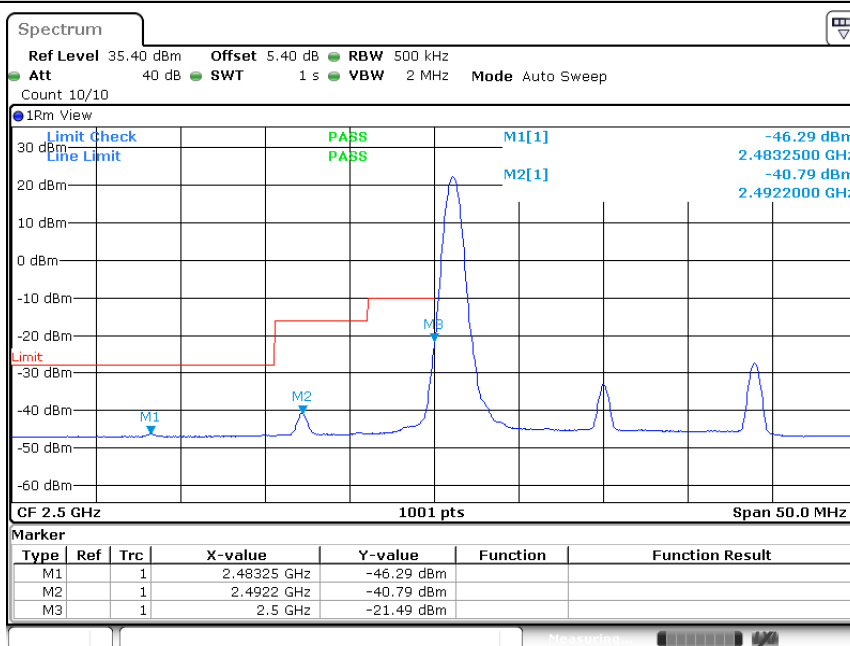


Band7-20MHz-64QAM-21350-100RB#0



Date: 7.SEP.2020 18:40:56

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Date: 7.SEP.2020 18:23:33

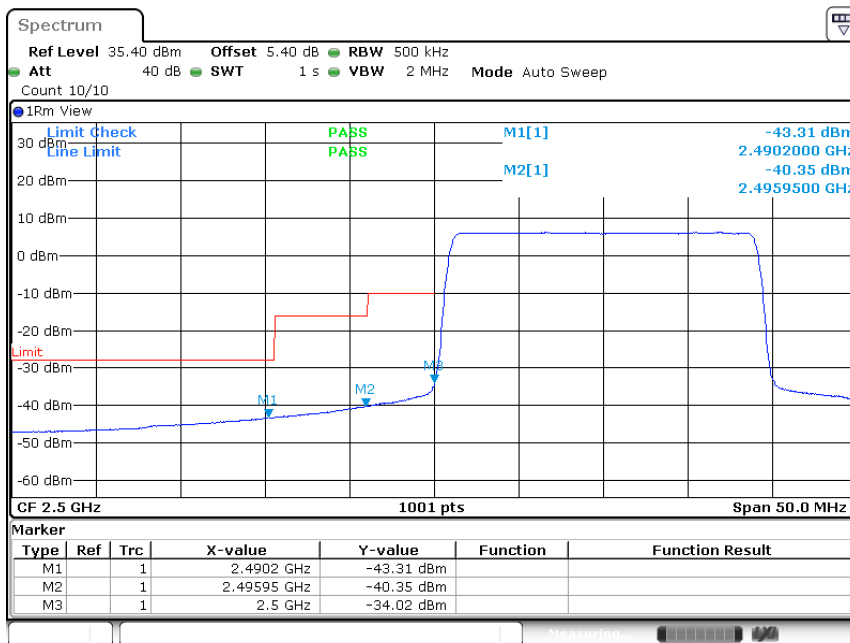


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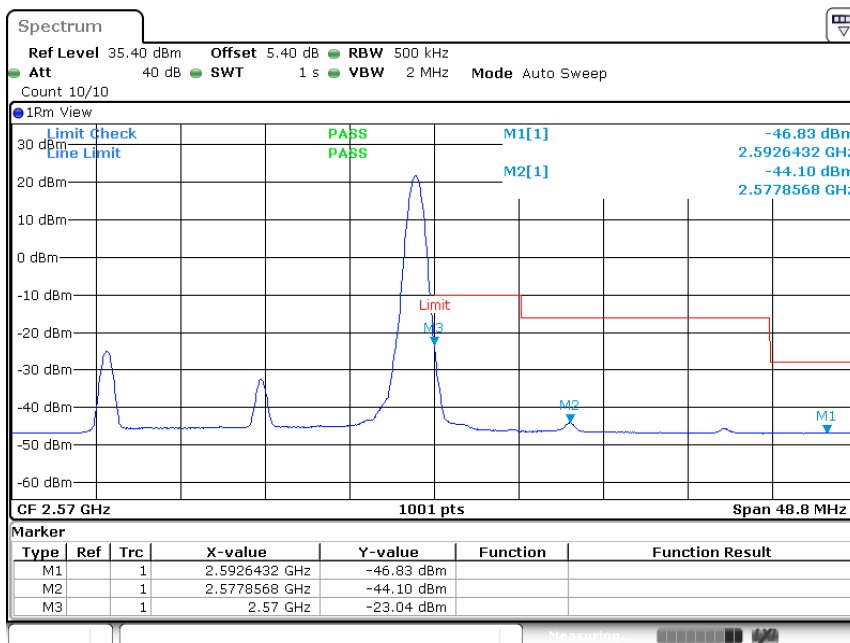
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Band7-20MHz-16QAM-20850-100RB#0



Date: 7.SEP.2020 18:25:07

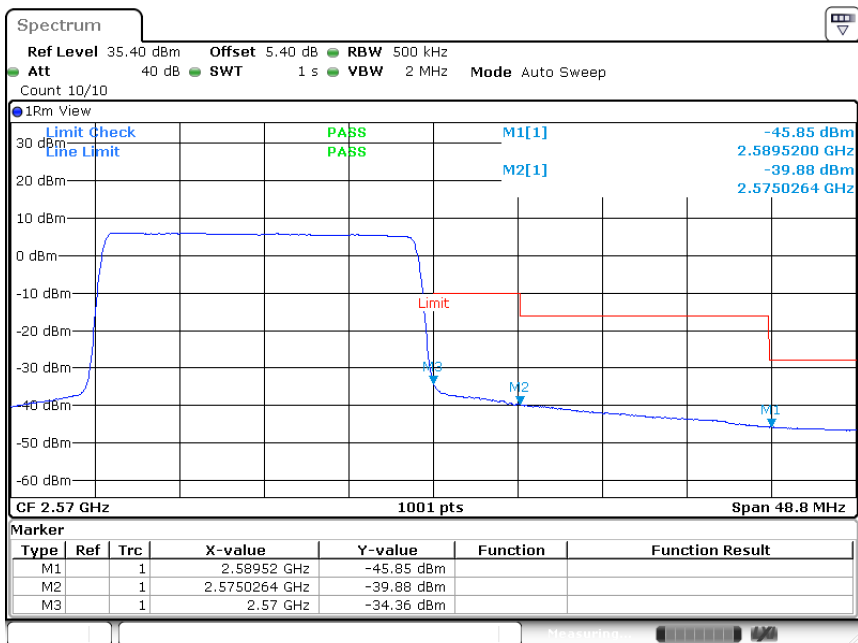
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Date: 7.SEP.2020 18:24:21



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



Date: 7.SEP.2020 18:25:51

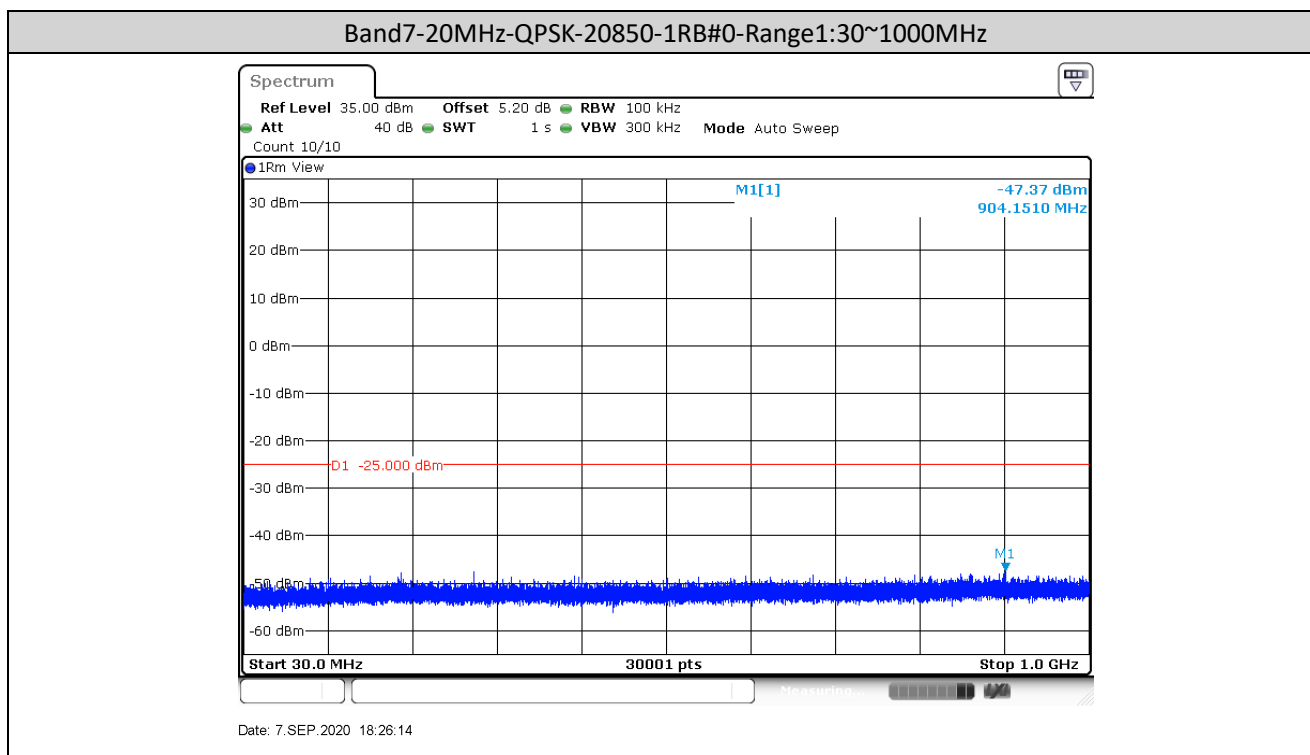


6. Spurious Emission at Antenna Terminal

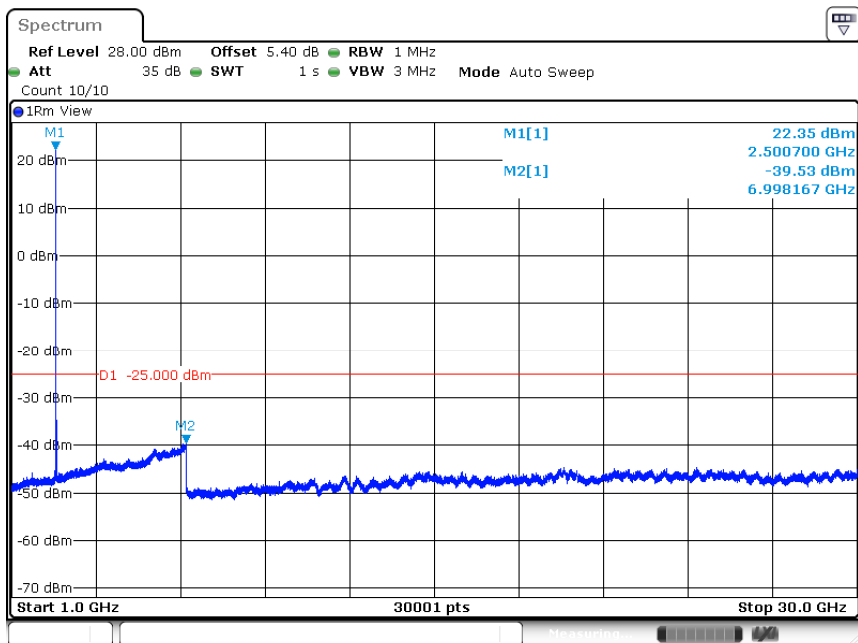
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =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

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

6.1. Test Plots

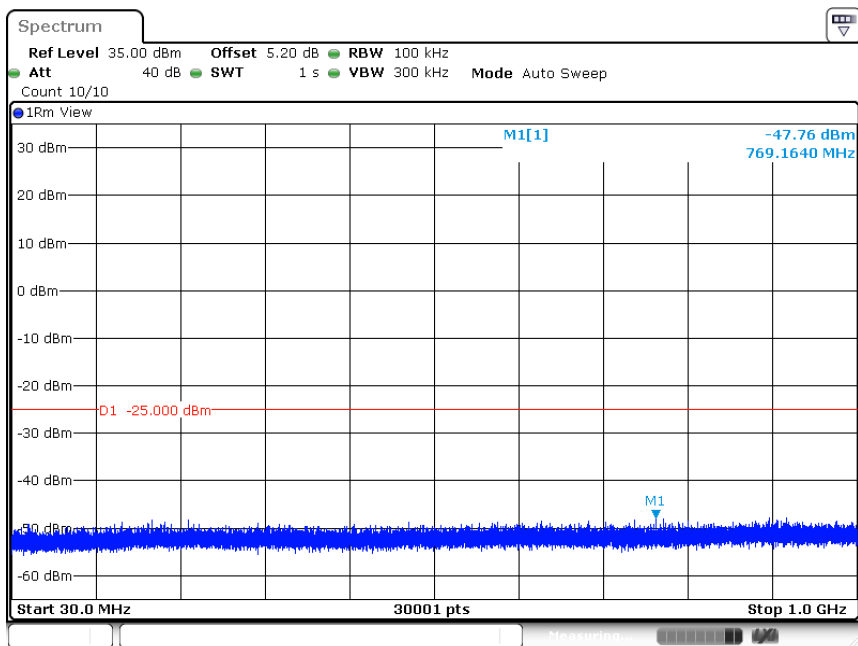


Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~30000MHz



Date: 7.SEP.2020 18:26:30

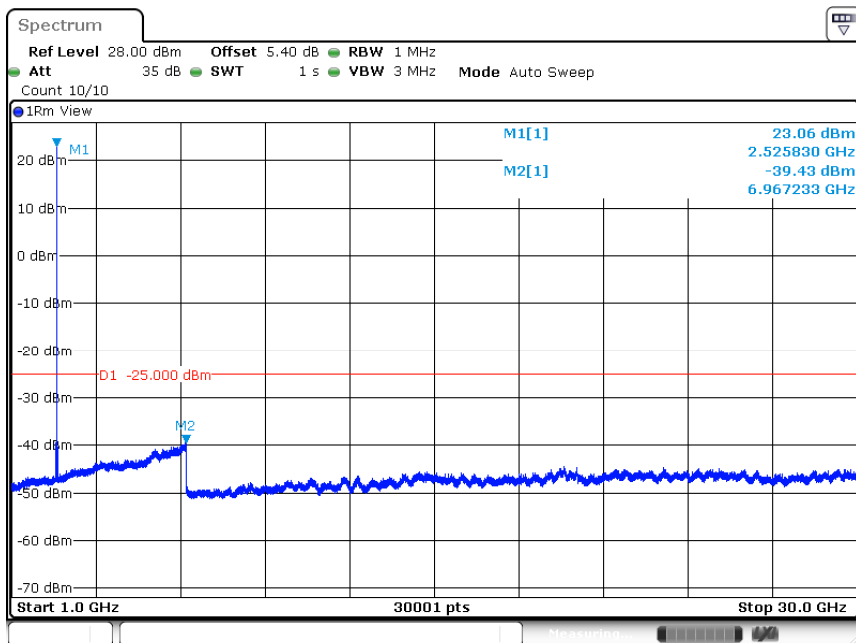
Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



Date: 7.SEP.2020 18:27:25

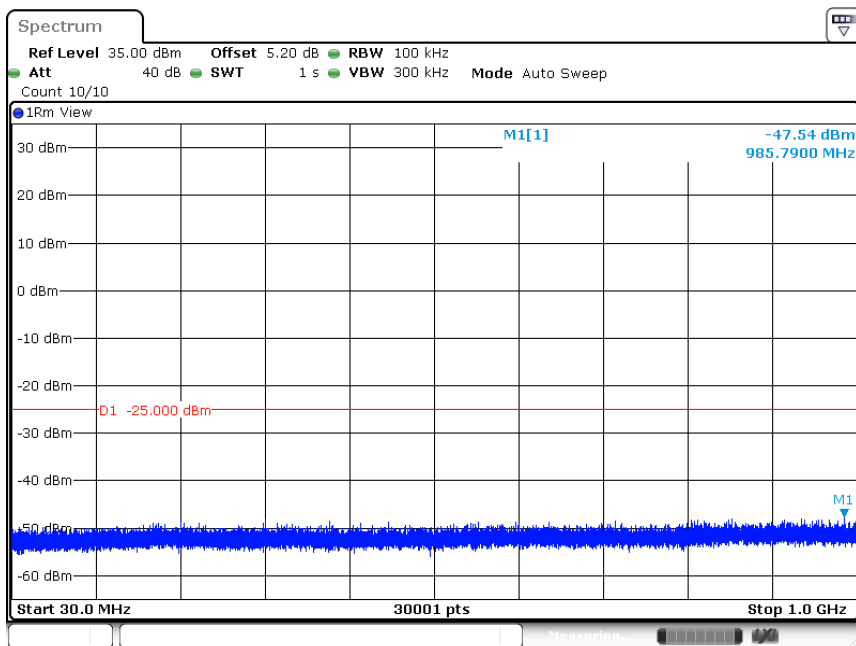


Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~30000MHz



Date: 7.SEP.2020 18:27:41

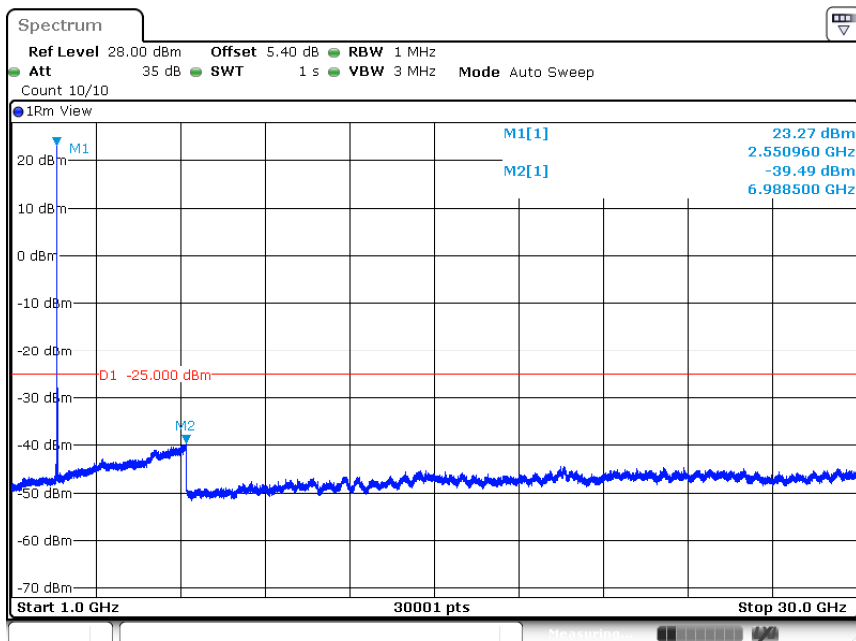
Band7-20MHz-QPSK-21350-1RB#0-Range1:30~1000MHz



Date: 7.SEP.2020 18:28:36

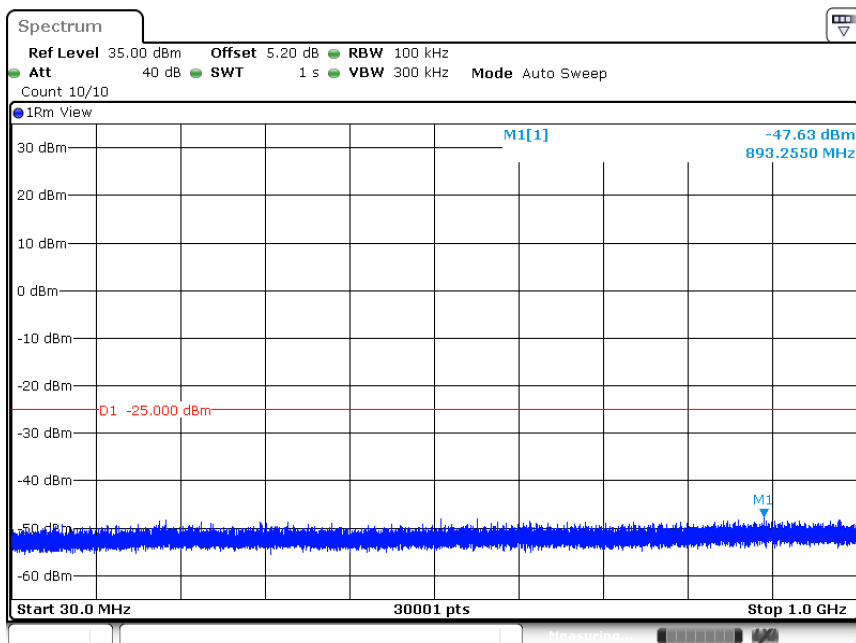


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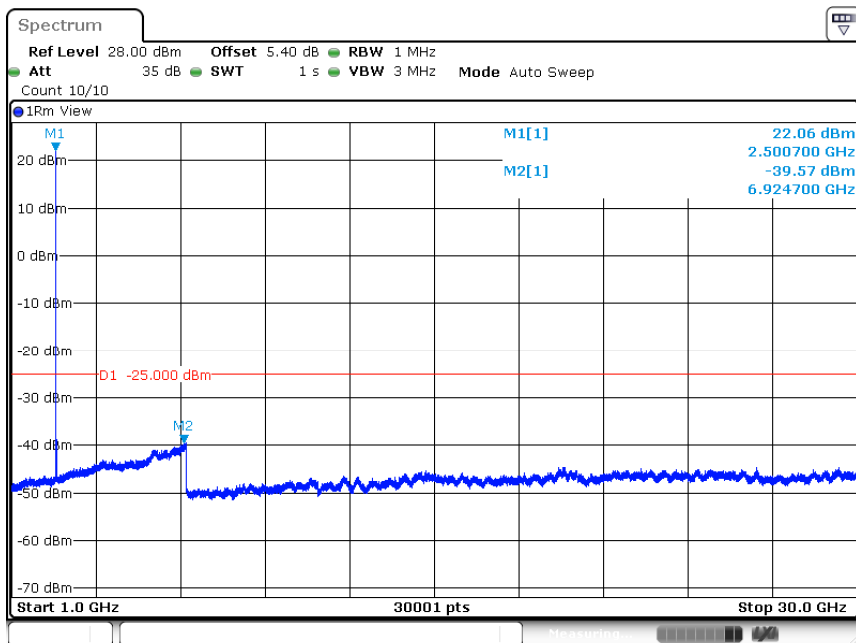
Band7-20MHz-64QAM-20850-1RB#0-Range1:30~1000MHz



Date: 7.SEP.2020 18:41:20

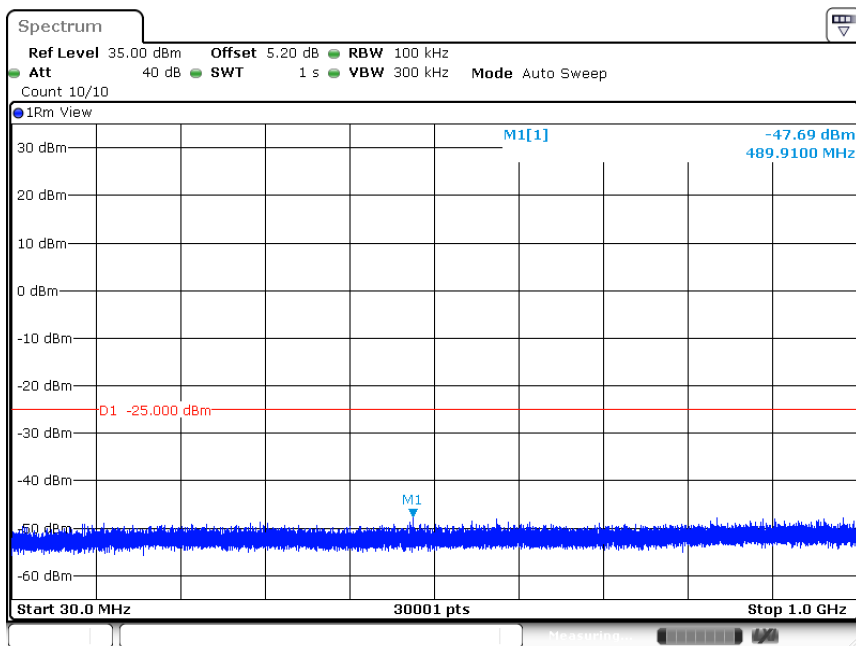


Band7-20MHz-64QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 7.SEP.2020 18:41:36

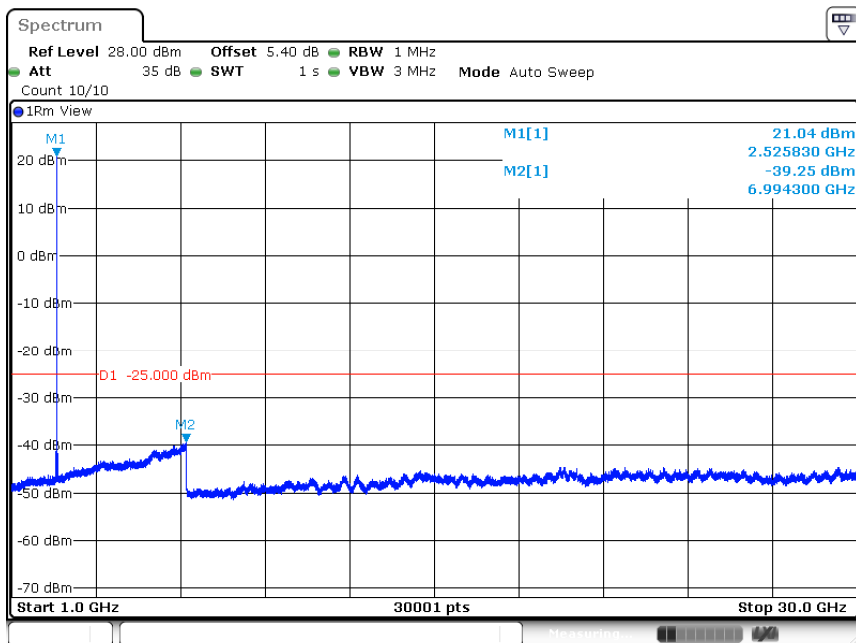
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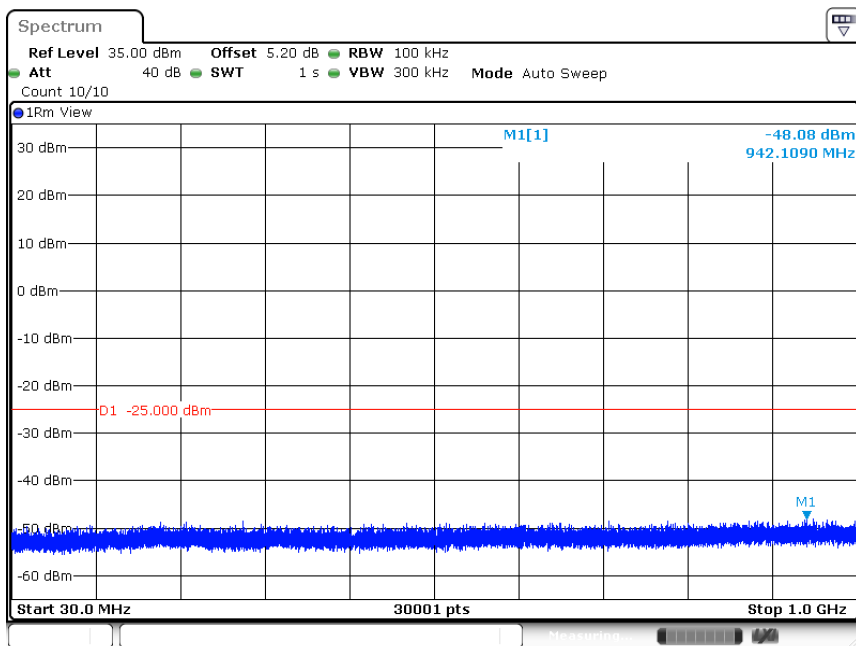


Band7-20MHz-64QAM-21100-1RB#0-Range2:1000~30000MHz



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

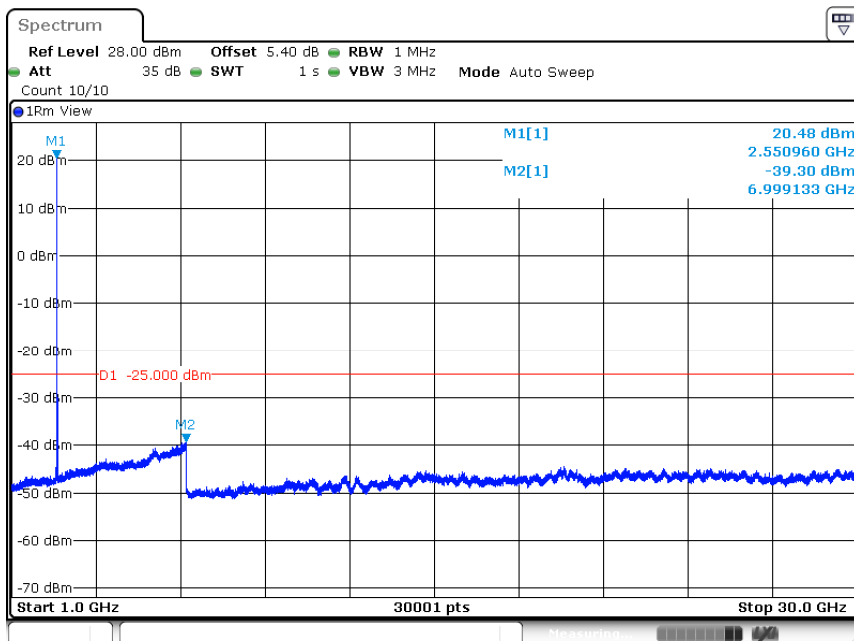
Band7-20MHz-64QAM-21350-1RB#0-Range1:30~1000MHz



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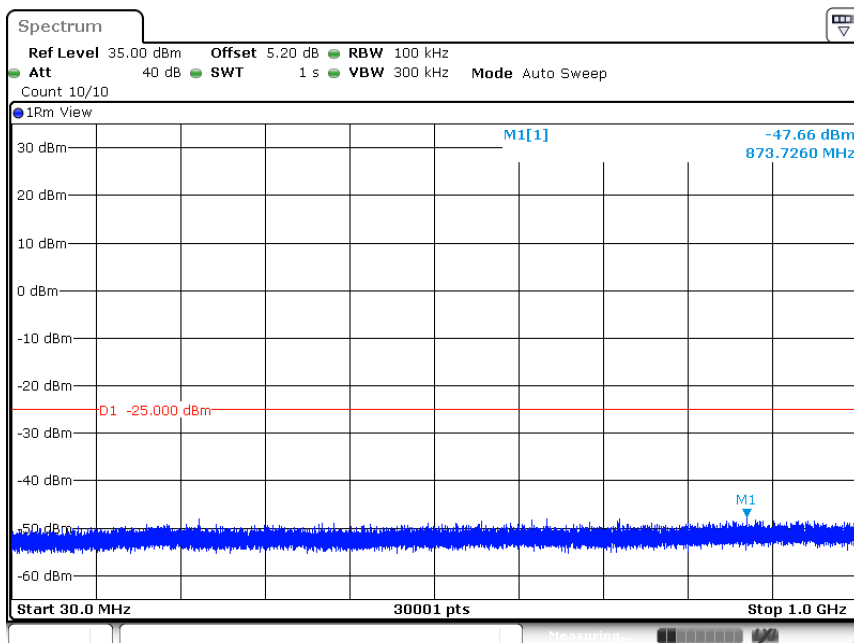


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Date: 7.SEP.2020 18:42:47

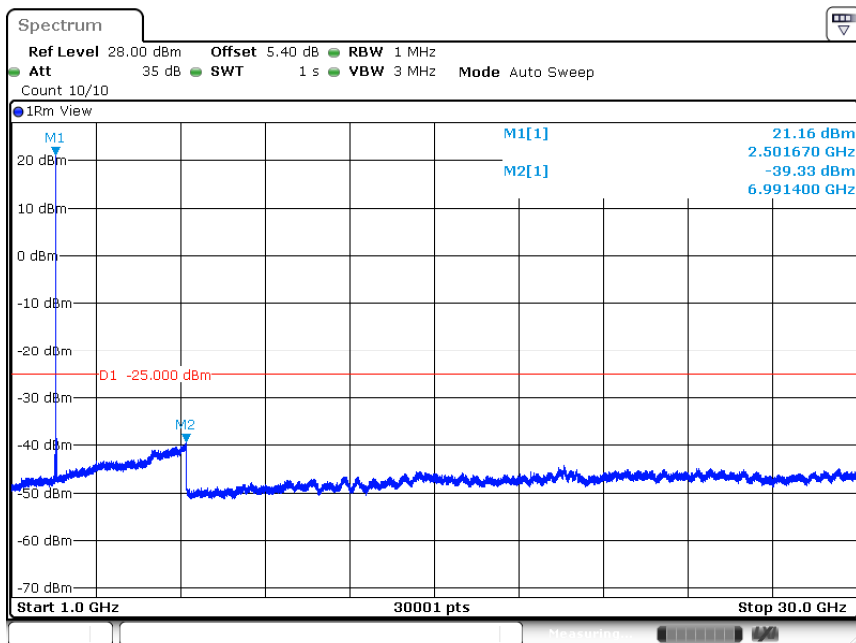
Band7-20MHz-16QAM-20850-1RB#0-Range1:30~1000MHz



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

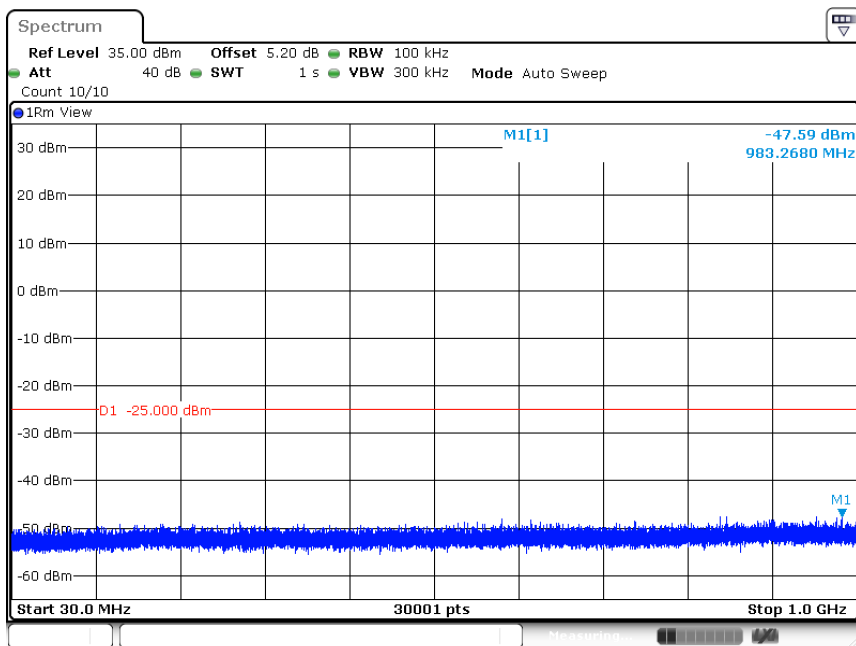


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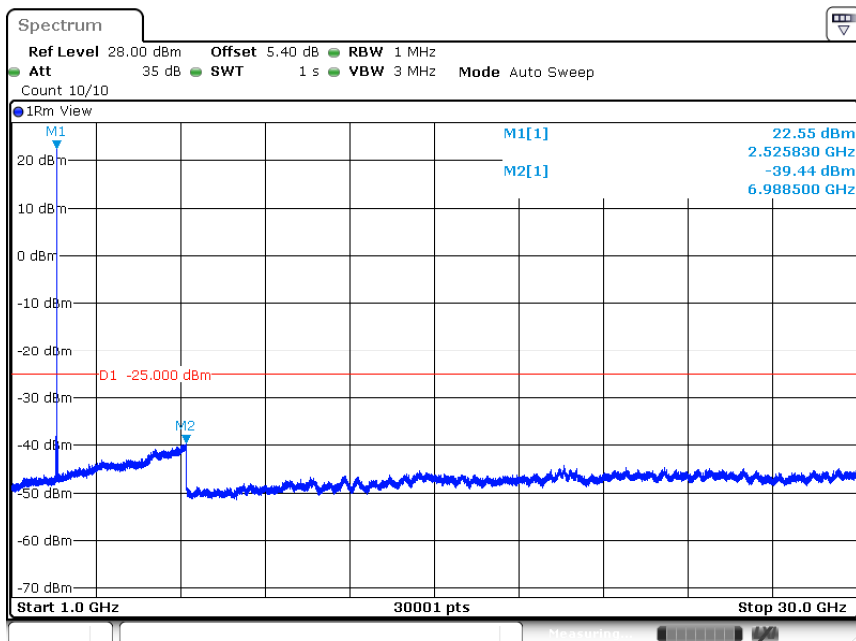
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Date: 7.SEP.2020 18:28:00

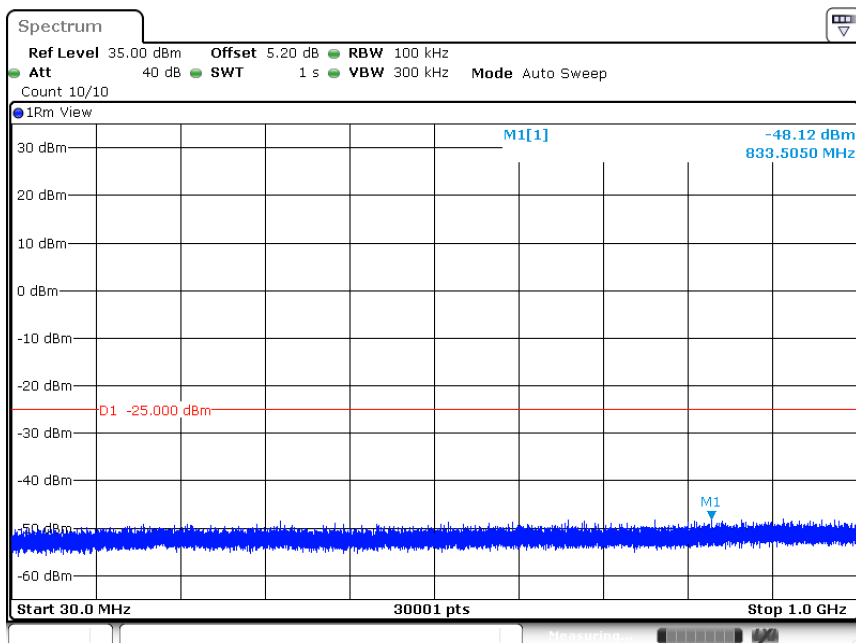


Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~30000MHz



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

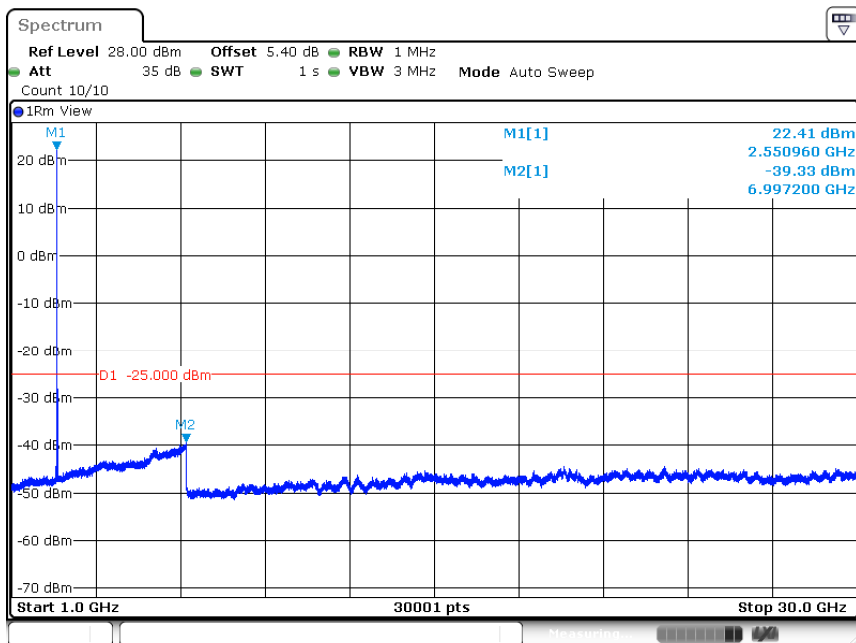
Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1000MHz



Date: 7.SEP.2020 18:29:11



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



Date: 7.SEP.2020 18:29:27



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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1. Test Channel = LCH

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

7.1.2. Test Channel = MCH

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



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7.1.3. Test Channel = HCH

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

Remark:

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



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8. Frequency Stability

8.1. Frequency Vs Voltage

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



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8.2. Frequency Vs Temperature

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



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



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



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