

Appendix B

E-UTRA Band 7



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.94	23.04	33	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.15	23.25	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.19	23.29	33	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.69	21.79	33	PASS
Band7	5MHz	QPSK	20775	12RB#6	21.72	21.82	33	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.63	21.73	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.66	21.76	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.87	22.97	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.83	22.93	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.89	22.99	33	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.31	21.41	33	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.38	21.48	33	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.30	21.40	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.41	21.51	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.76	22.86	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.58	22.68	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.48	22.58	33	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.23	21.33	33	PASS
Band7	5MHz	QPSK	21425	12RB#6	21.16	21.26	33	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.10	21.20	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.19	21.29	33	PASS
Band7	5MHz	64QAM	20775	1RB#0	20.88	20.98	33	PASS
Band7	5MHz	64QAM	20775	1RB#12	20.78	20.88	33	PASS
Band7	5MHz	64QAM	20775	1RB#24	20.68	20.78	33	PASS
Band7	5MHz	64QAM	20775	12RB#0	20.83	20.93	33	PASS
Band7	5MHz	64QAM	20775	12RB#6	20.46	20.56	33	PASS
Band7	5MHz	64QAM	20775	12RB#13	20.49	20.59	33	PASS



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Band7	5MHz	64QAM	20775	25RB#0	19.29	19.39	33	PASS
Band7	5MHz	64QAM	21100	1RB#0	21.03	21.13	33	PASS
Band7	5MHz	64QAM	21100	1RB#12	20.82	20.92	33	PASS
Band7	5MHz	64QAM	21100	1RB#24	20.76	20.86	33	PASS
Band7	5MHz	64QAM	21100	12RB#0	20.96	21.06	33	PASS
Band7	5MHz	64QAM	21100	12RB#6	20.54	20.64	33	PASS
Band7	5MHz	64QAM	21100	12RB#13	20.58	20.68	33	PASS
Band7	5MHz	64QAM	21100	25RB#0	19.33	19.43	33	PASS
Band7	5MHz	64QAM	21425	1RB#0	20.72	20.82	33	PASS
Band7	5MHz	64QAM	21425	1RB#12	21.02	21.12	33	PASS
Band7	5MHz	64QAM	21425	1RB#24	21.04	21.14	33	PASS
Band7	5MHz	64QAM	21425	12RB#0	20.61	20.71	33	PASS
Band7	5MHz	64QAM	21425	12RB#6	20.61	20.71	33	PASS
Band7	5MHz	64QAM	21425	12RB#13	20.61	20.71	33	PASS
Band7	5MHz	64QAM	21425	25RB#0	19.41	19.51	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.36	22.46	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.05	22.15	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.24	22.34	33	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.70	20.80	33	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.60	20.70	33	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.65	20.75	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.74	20.84	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.12	22.22	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.93	22.03	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.99	22.09	33	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.33	20.43	33	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.37	20.47	33	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.36	20.46	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.37	20.47	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.69	21.79	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.90	22.00	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.68	21.78	33	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.06	20.16	33	PASS



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Band7	5MHz	16QAM	21425	12RB#6	20.19	20.29	33	PASS
Band7	5MHz	16QAM	21425	12RB#13	20.09	20.19	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.26	20.36	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.03	22.13	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.09	23.19	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.40	23.50	33	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.67	21.77	33	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.62	21.72	33	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.67	21.77	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.74	21.84	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.05	23.15	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.84	22.94	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.09	23.19	33	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.46	21.56	33	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.36	21.46	33	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.47	21.57	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.46	21.56	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.01	23.11	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.02	23.12	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.82	22.92	33	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.19	21.29	33	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.16	21.26	33	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.17	21.27	33	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.15	21.25	33	PASS
Band7	10MHz	64QAM	20800	1RB#0	20.73	20.83	33	PASS
Band7	10MHz	64QAM	20800	1RB#24	20.96	21.06	33	PASS
Band7	10MHz	64QAM	20800	1RB#49	20.70	20.80	33	PASS
Band7	10MHz	64QAM	20800	25RB#0	19.62	19.72	33	PASS
Band7	10MHz	64QAM	20800	25RB#12	19.62	19.72	33	PASS
Band7	10MHz	64QAM	20800	25RB#25	19.55	19.65	33	PASS
Band7	10MHz	64QAM	20800	50RB#0	19.60	19.70	33	PASS
Band7	10MHz	64QAM	21100	1RB#0	20.66	20.76	33	PASS
Band7	10MHz	64QAM	21100	1RB#24	20.34	20.44	33	PASS



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Band7	10MHz	64QAM	21100	1RB#49	20.42	20.52	33	PASS
Band7	10MHz	64QAM	21100	25RB#0	19.31	19.41	33	PASS
Band7	10MHz	64QAM	21100	25RB#12	19.28	19.38	33	PASS
Band7	10MHz	64QAM	21100	25RB#25	19.34	19.44	33	PASS
Band7	10MHz	64QAM	21100	50RB#0	19.32	19.42	33	PASS
Band7	10MHz	64QAM	21400	1RB#0	20.41	20.51	33	PASS
Band7	10MHz	64QAM	21400	1RB#24	20.12	20.22	33	PASS
Band7	10MHz	64QAM	21400	1RB#49	20.09	20.19	33	PASS
Band7	10MHz	64QAM	21400	25RB#0	19.07	19.17	33	PASS
Band7	10MHz	64QAM	21400	25RB#12	19.03	19.13	33	PASS
Band7	10MHz	64QAM	21400	25RB#25	18.97	19.07	33	PASS
Band7	10MHz	64QAM	21400	50RB#0	19.00	19.10	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.27	22.37	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.74	21.84	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.04	22.14	33	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.81	20.91	33	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.80	20.90	33	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.73	20.83	33	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.71	20.81	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.11	22.21	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.82	21.92	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.61	21.71	33	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.50	20.60	33	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.33	20.43	33	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.47	20.57	33	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.42	20.52	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.17	22.27	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.88	21.98	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.80	21.90	33	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.22	20.32	33	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.20	20.30	33	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.23	20.33	33	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.21	20.31	33	PASS



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Band7	15MHz	QPSK	20825	1RB#0	23.22	23.32	33	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.17	23.27	33	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.19	23.29	33	PASS
Band7	15MHz	QPSK	20825	36RB#0	21.70	21.80	33	PASS
Band7	15MHz	QPSK	20825	36RB#18	21.67	21.77	33	PASS
Band7	15MHz	QPSK	20825	36RB#39	21.72	21.82	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.73	21.83	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.86	22.96	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.94	23.04	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.00	23.10	33	PASS
Band7	15MHz	QPSK	21100	36RB#0	21.52	21.62	33	PASS
Band7	15MHz	QPSK	21100	36RB#18	21.58	21.68	33	PASS
Band7	15MHz	QPSK	21100	36RB#39	21.43	21.53	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.47	21.57	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.95	23.05	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.49	22.59	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.61	22.71	33	PASS
Band7	15MHz	QPSK	21375	36RB#0	21.19	21.29	33	PASS
Band7	15MHz	QPSK	21375	36RB#18	21.06	21.16	33	PASS
Band7	15MHz	QPSK	21375	36RB#39	21.11	21.21	33	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.11	21.21	33	PASS
Band7	15MHz	64QAM	20825	1RB#0	20.97	21.07	33	PASS
Band7	15MHz	64QAM	20825	1RB#38	20.66	20.76	33	PASS
Band7	15MHz	64QAM	20825	1RB#74	20.67	20.77	33	PASS
Band7	15MHz	64QAM	20825	36RB#0	19.53	19.63	33	PASS
Band7	15MHz	64QAM	20825	36RB#18	19.53	19.63	33	PASS
Band7	15MHz	64QAM	20825	36RB#39	19.48	19.58	33	PASS
Band7	15MHz	64QAM	20825	75RB#0	19.54	19.64	33	PASS
Band7	15MHz	64QAM	21100	1RB#0	20.31	20.41	33	PASS
Band7	15MHz	64QAM	21100	1RB#38	20.53	20.63	33	PASS
Band7	15MHz	64QAM	21100	1RB#74	20.66	20.76	33	PASS
Band7	15MHz	64QAM	21100	36RB#0	19.27	19.37	33	PASS
Band7	15MHz	64QAM	21100	36RB#18	19.24	19.34	33	PASS



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Band7	15MHz	64QAM	21100	36RB#39	19.23	19.33	33	PASS
Band7	15MHz	64QAM	21100	75RB#0	19.30	19.40	33	PASS
Band7	15MHz	64QAM	21375	1RB#0	20.19	20.29	33	PASS
Band7	15MHz	64QAM	21375	1RB#38	19.78	19.88	33	PASS
Band7	15MHz	64QAM	21375	1RB#74	19.87	19.97	33	PASS
Band7	15MHz	64QAM	21375	36RB#0	18.93	19.03	33	PASS
Band7	15MHz	64QAM	21375	36RB#18	18.95	19.05	33	PASS
Band7	15MHz	64QAM	21375	36RB#39	18.88	18.98	33	PASS
Band7	15MHz	64QAM	21375	75RB#0	18.93	19.03	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.27	22.37	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.96	22.06	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.97	22.07	33	PASS
Band7	15MHz	16QAM	20825	36RB#0	20.73	20.83	33	PASS
Band7	15MHz	16QAM	20825	36RB#18	20.73	20.83	33	PASS
Band7	15MHz	16QAM	20825	36RB#39	20.68	20.78	33	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.74	20.84	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.61	21.71	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.83	21.93	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.96	22.06	33	PASS
Band7	15MHz	16QAM	21100	36RB#0	20.47	20.57	33	PASS
Band7	15MHz	16QAM	21100	36RB#18	20.44	20.54	33	PASS
Band7	15MHz	16QAM	21100	36RB#39	20.43	20.53	33	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.50	20.60	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.49	21.59	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.08	21.18	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.17	21.27	33	PASS
Band7	15MHz	16QAM	21375	36RB#0	20.13	20.23	33	PASS
Band7	15MHz	16QAM	21375	36RB#18	20.15	20.25	33	PASS
Band7	15MHz	16QAM	21375	36RB#39	20.08	20.18	33	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.13	20.23	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.21	23.31	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.13	23.23	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.22	23.32	33	PASS



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Band7	20MHz	QPSK	20850	50RB#25	21.81	21.91	33	PASS
Band7	20MHz	QPSK	20850	50RB#0	21.81	21.91	33	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.85	21.95	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.78	21.88	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.11	23.21	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.05	23.15	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.85	22.95	33	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.51	21.61	33	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.57	21.67	33	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.49	21.59	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.48	21.58	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.16	23.26	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.54	22.64	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.55	22.65	33	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.27	21.37	33	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.21	21.31	33	PASS
Band7	20MHz	QPSK	21350	50RB#50	21.12	21.22	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.15	21.25	33	PASS
Band7	20MHz	64QAM	20850	1RB#0	20.97	21.07	33	PASS
Band7	20MHz	64QAM	20850	1RB#49	20.44	20.54	33	PASS
Band7	20MHz	64QAM	20850	1RB#99	20.74	20.84	33	PASS
Band7	20MHz	64QAM	20850	50RB#25	19.61	19.71	33	PASS
Band7	20MHz	64QAM	20850	50RB#0	19.60	19.70	33	PASS
Band7	20MHz	64QAM	20850	50RB#50	19.53	19.63	33	PASS
Band7	20MHz	64QAM	20850	100RB#0	19.51	19.61	33	PASS
Band7	20MHz	64QAM	21100	1RB#0	20.81	20.91	33	PASS
Band7	20MHz	64QAM	21100	1RB#49	20.52	20.62	33	PASS
Band7	20MHz	64QAM	21100	1RB#99	20.31	20.41	33	PASS
Band7	20MHz	64QAM	21100	50RB#25	19.30	19.40	33	PASS
Band7	20MHz	64QAM	21100	50RB#0	19.13	19.23	33	PASS
Band7	20MHz	64QAM	21100	50RB#50	19.27	19.37	33	PASS
Band7	20MHz	64QAM	21100	100RB#0	19.22	19.32	33	PASS
Band7	20MHz	64QAM	21350	1RB#0	20.87	20.97	33	PASS



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Band7	20MHz	64QAM	21350	1RB#49	20.58	20.68	33	PASS
Band7	20MHz	64QAM	21350	1RB#99	20.50	20.60	33	PASS
Band7	20MHz	64QAM	21350	50RB#25	19.02	19.12	33	PASS
Band7	20MHz	64QAM	21350	50RB#0	19.00	19.10	33	PASS
Band7	20MHz	64QAM	21350	50RB#50	19.03	19.13	33	PASS
Band7	20MHz	64QAM	21350	100RB#0	19.01	19.11	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.03	22.13	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.26	22.36	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.00	22.10	33	PASS
Band7	20MHz	16QAM	20850	50RB#25	20.82	20.92	33	PASS
Band7	20MHz	16QAM	20850	50RB#0	20.82	20.92	33	PASS
Band7	20MHz	16QAM	20850	50RB#50	20.75	20.85	33	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.80	20.90	33	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.96	22.06	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.64	21.74	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.72	21.82	33	PASS
Band7	20MHz	16QAM	21100	50RB#25	20.51	20.61	33	PASS
Band7	20MHz	16QAM	21100	50RB#0	20.48	20.58	33	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.54	20.64	33	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.52	20.62	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.71	21.81	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.42	21.52	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.39	21.49	33	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.27	20.37	33	PASS
Band7	20MHz	16QAM	21350	50RB#0	20.23	20.33	33	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.17	20.27	33	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.20	20.30	33	PASS

Remark:

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

$$ERP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBd]}$$

$$EIRP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBi]}$$



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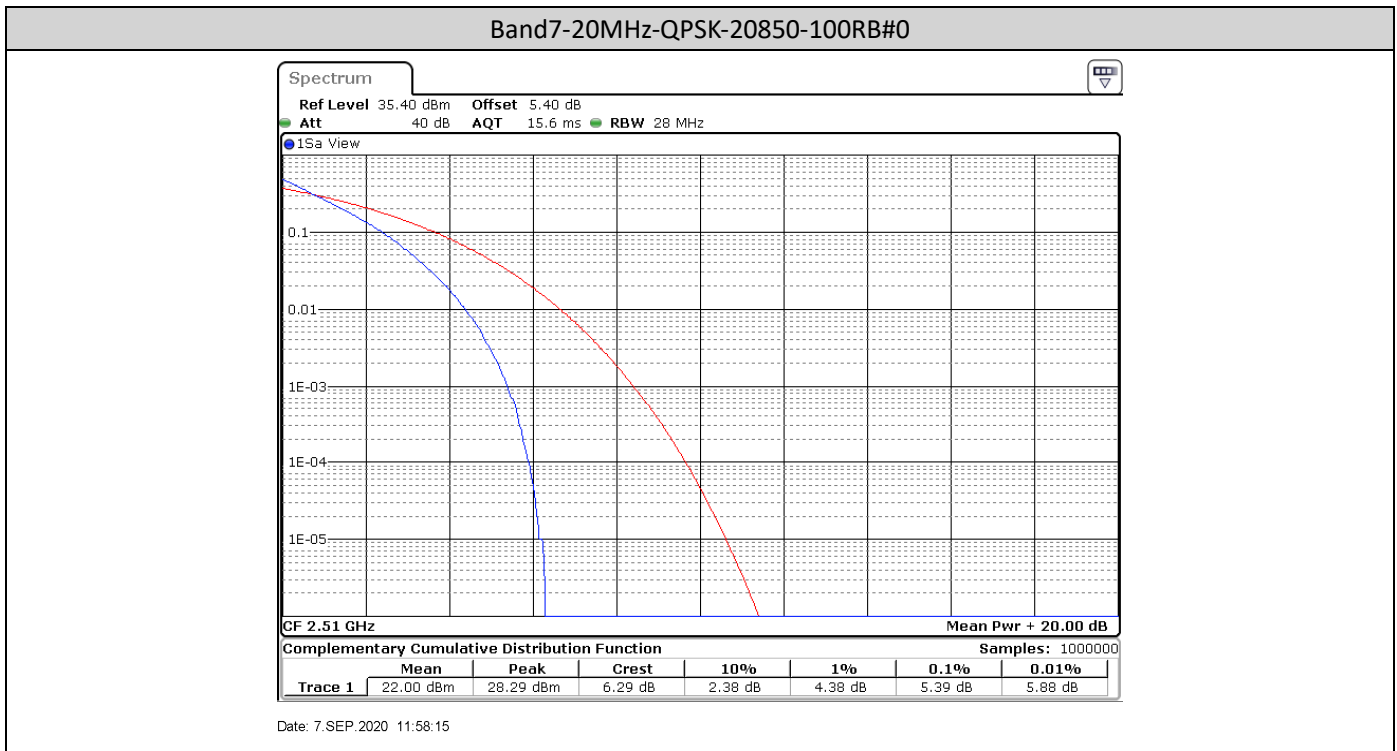


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.39	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.22	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.48	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.67	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.49	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.61	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.23	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.09	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.32	13	PASS

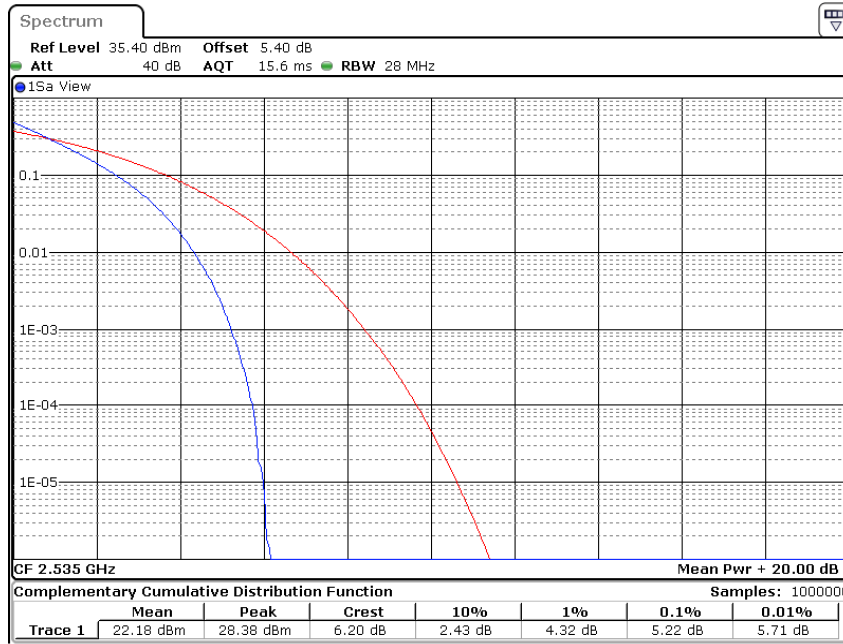
2.2. Test Plots



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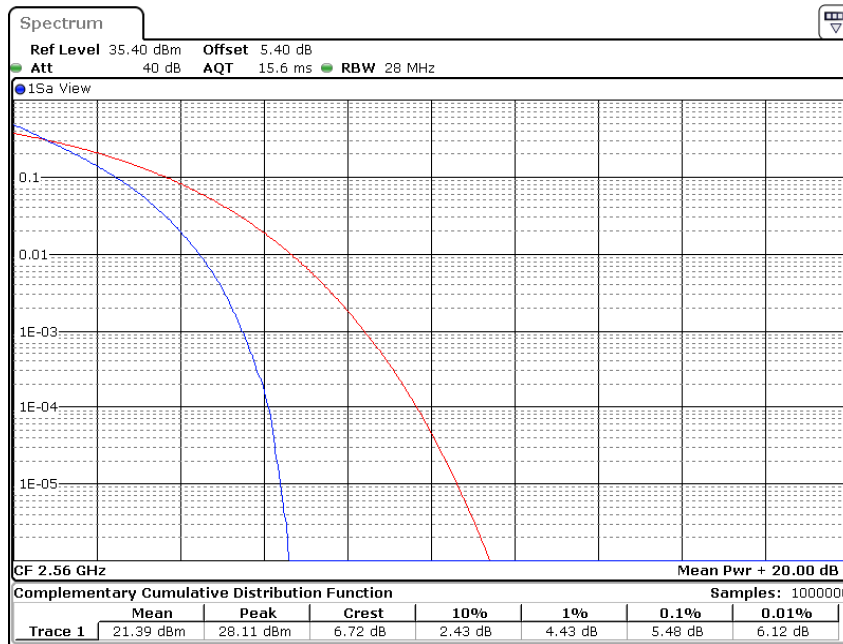
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Band7-20MHz-QPSK-21100-100RB#0



Date: 7.SEP.2020 11:58:37

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



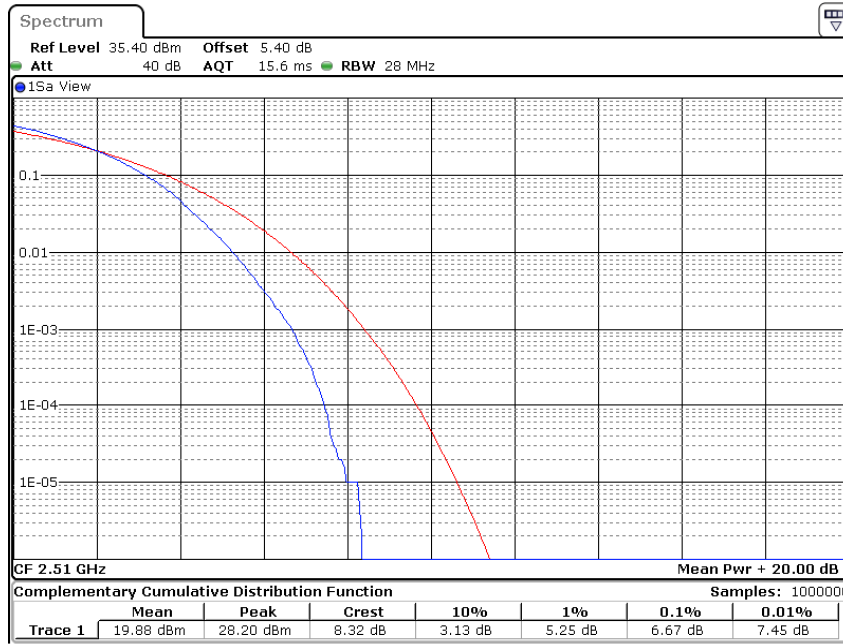
Date: 7.SEP.2020 11:58:59



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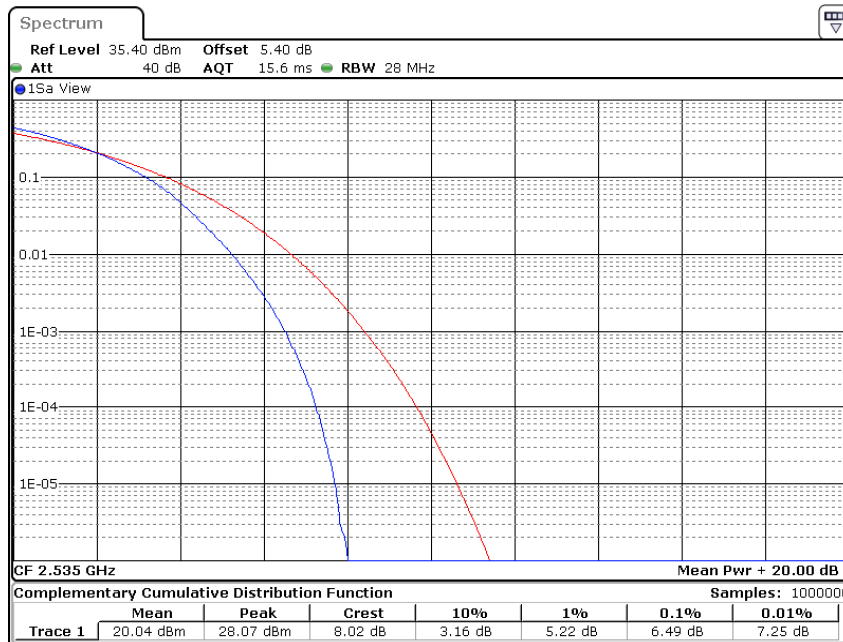
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Band7-20MHz-64QAM-20850-100RB#0



Date: 7.SEP.2020 15:04:10

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

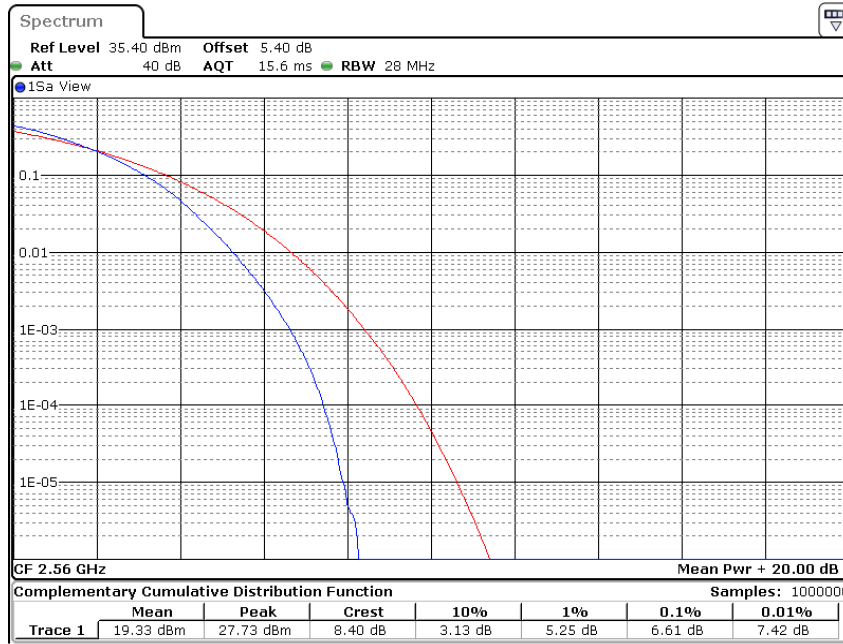


Date: 7.SEP.2020 15:04:21



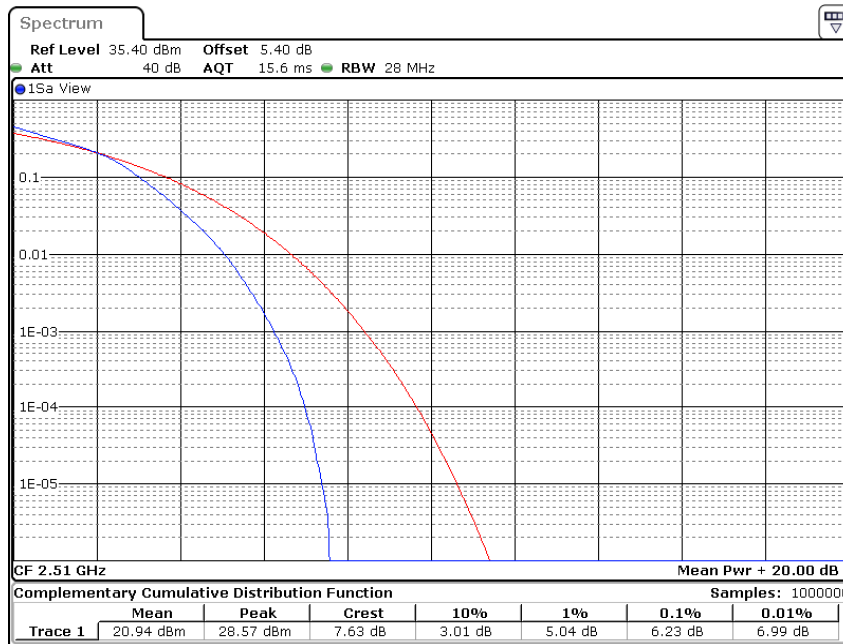
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Band7-20MHz-64QAM-21350-100RB#0



Date: 7.SEP.2020 15:04:33

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

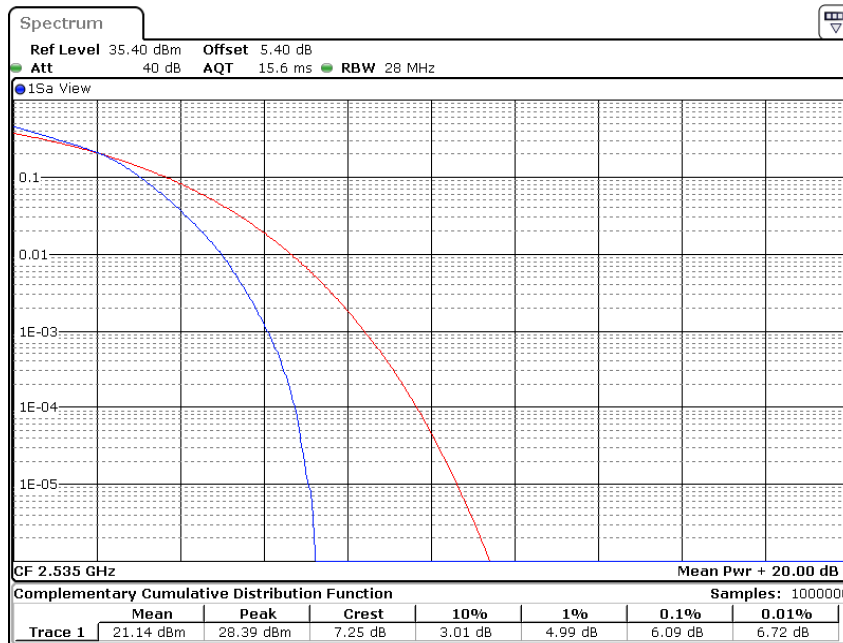


Date: 7.SEP.2020 11:58:26



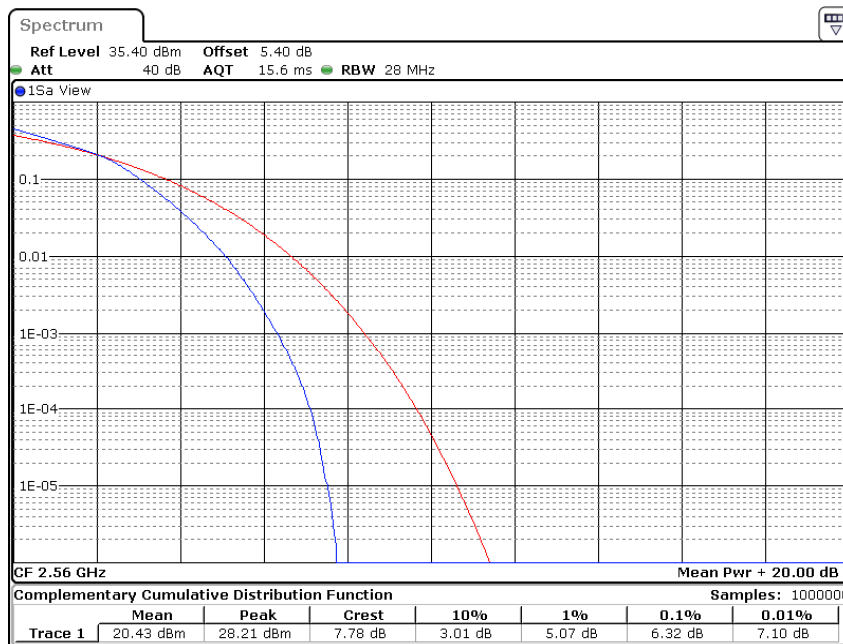
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Band7-20MHz-16QAM-21100-100RB#0



Date: 7.SEP.2020 11:58:48

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



Date: 7.SEP.2020 11:59:10



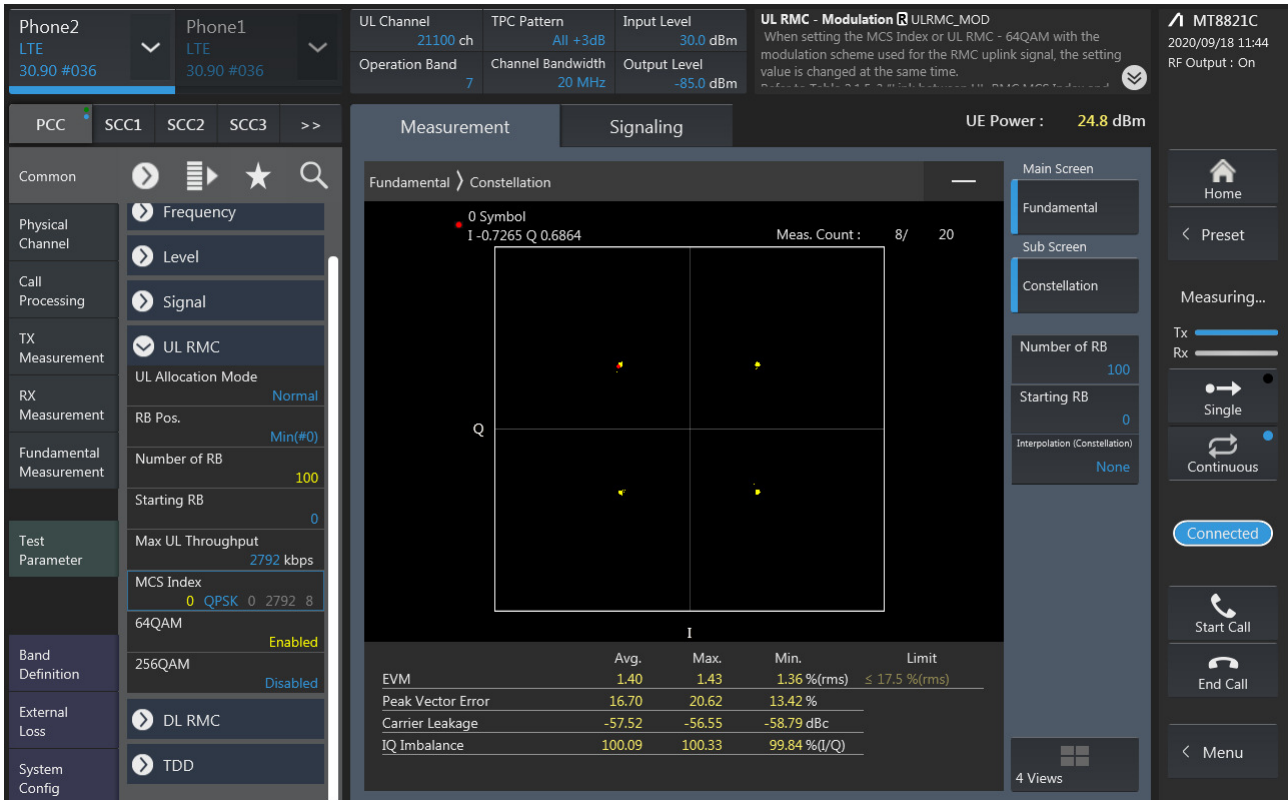
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH

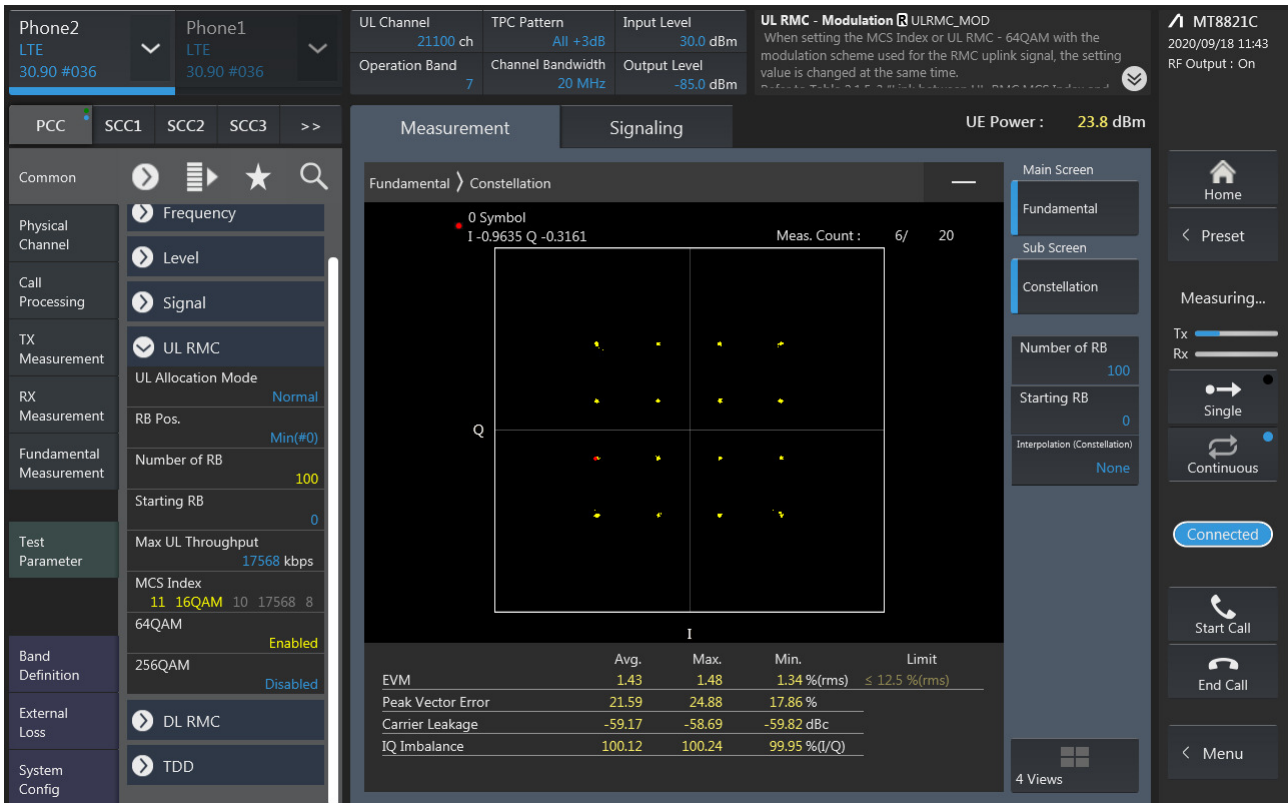


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3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH



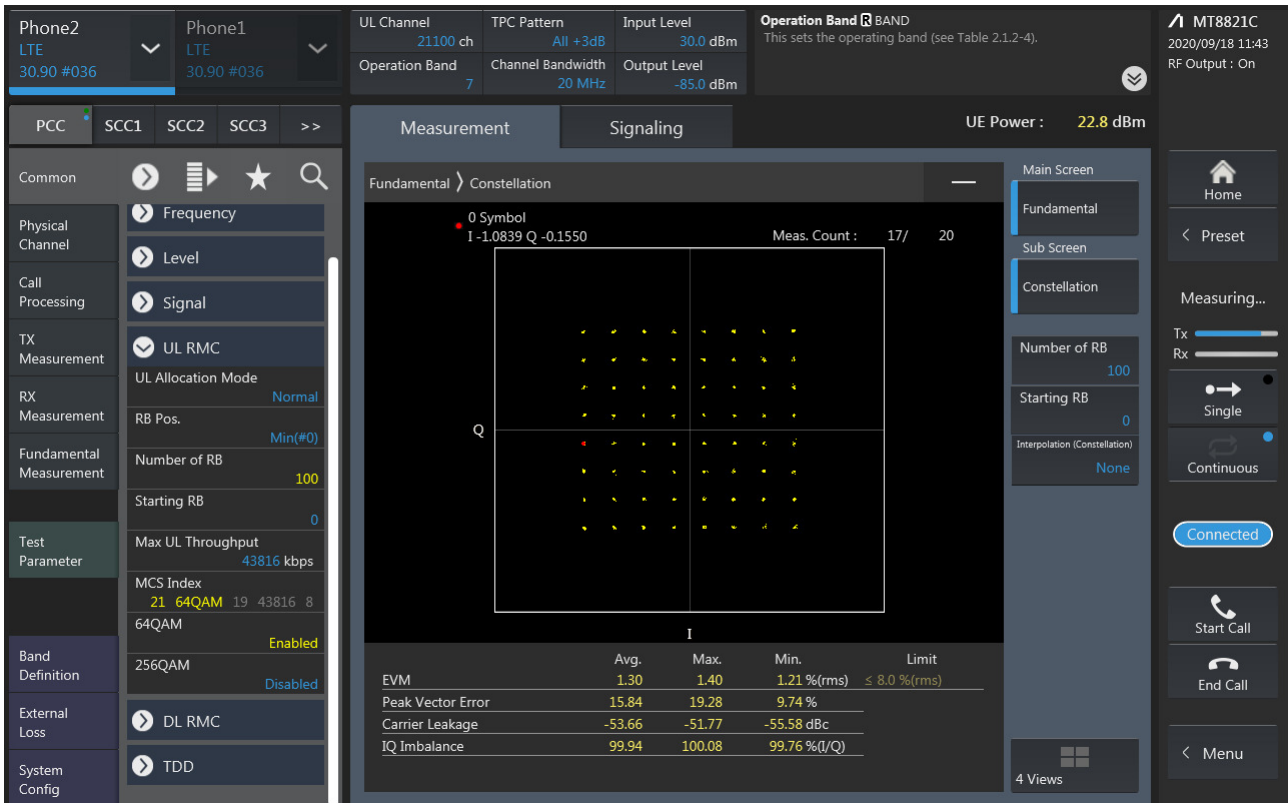
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3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH



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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.476	4.930	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.930	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.476	4.920	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	4.950	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.486	4.950	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.486	4.950	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.931	9.700	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.911	9.740	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.931	9.740	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.931	9.660	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.931	9.660	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.931	9.680	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.951	9.740	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.931	9.740	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.931	9.760	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.457	14.790	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.457	14.670	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.487	14.760	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.427	14.820	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.457	14.880	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.457	14.850	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.457	14.760	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.457	14.760	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.457	14.820	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.902	19.440	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.902	19.400	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.902	19.360	PASS



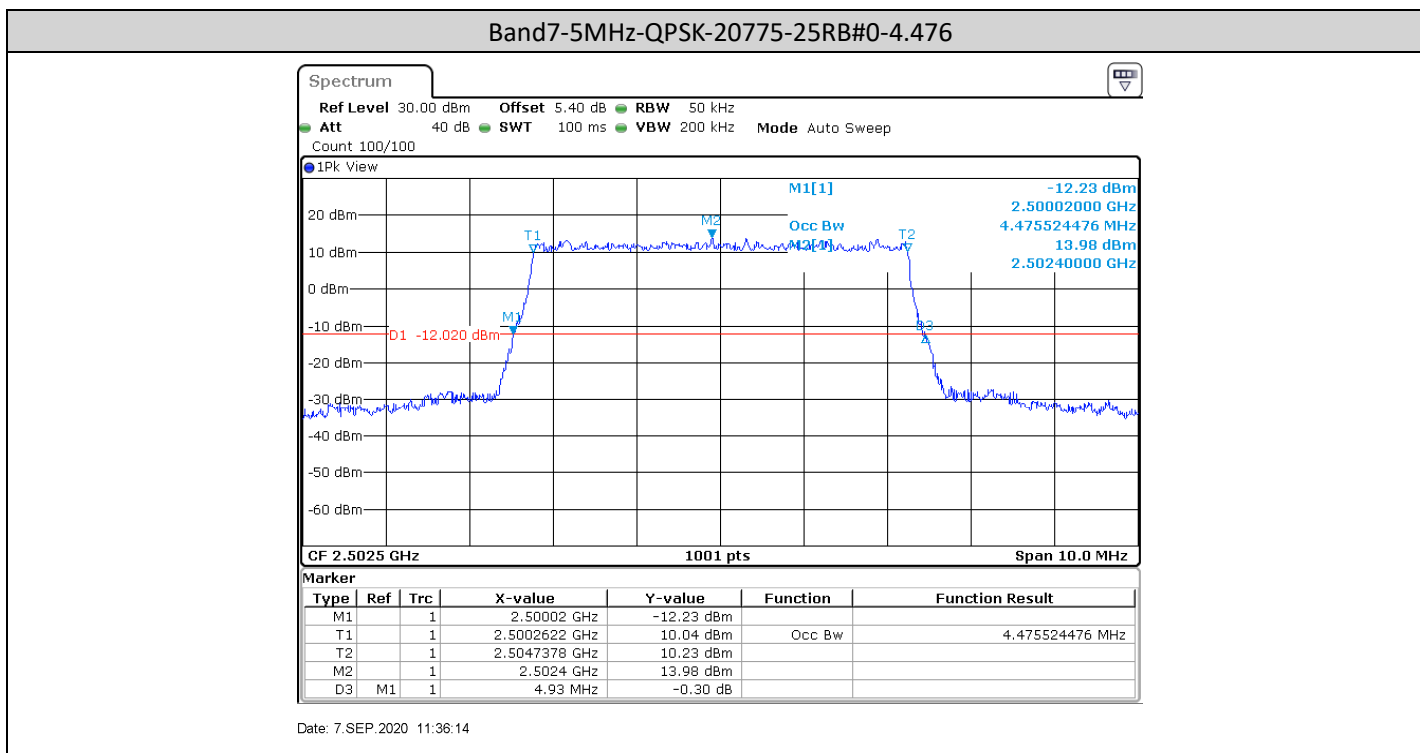
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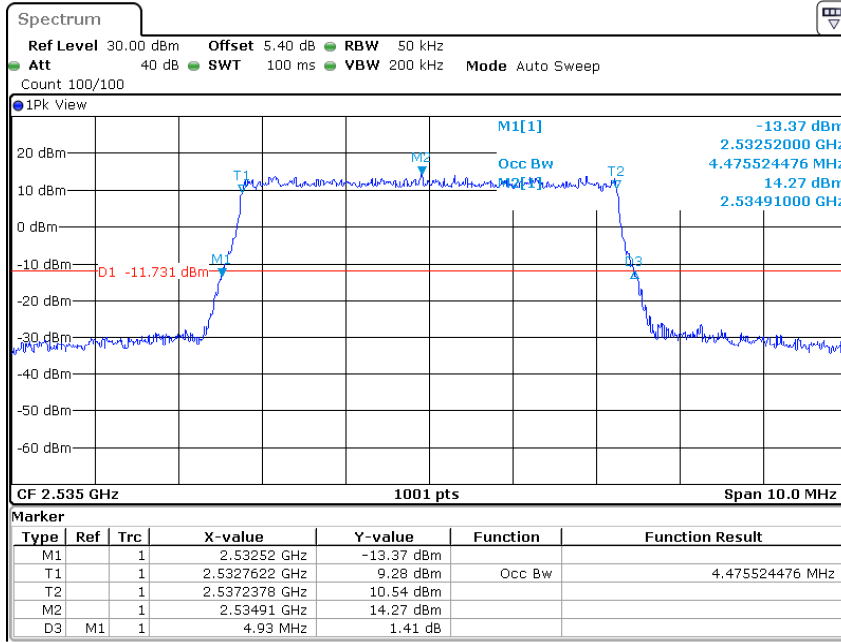
Band7	20MHz	64QAM	20850	100RB#0	17.902	19.360	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.902	19.360	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.902	19.480	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.942	19.480	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.902	19.480	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.902	19.440	PASS

4.2. Test Plots



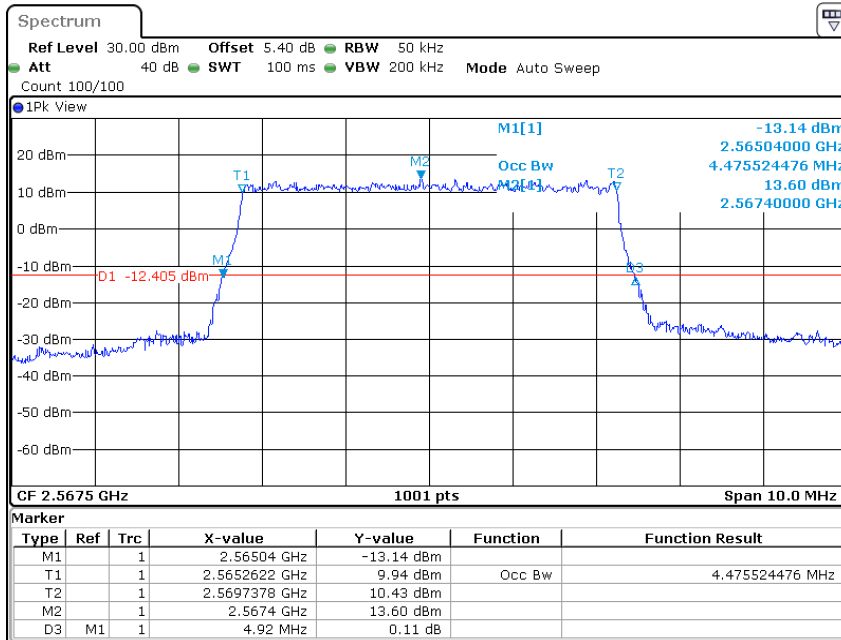
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Band7-5MHz-QPSK-21100-25RB#0-4.476



Date: 7.SEP.2020 11:36:54

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



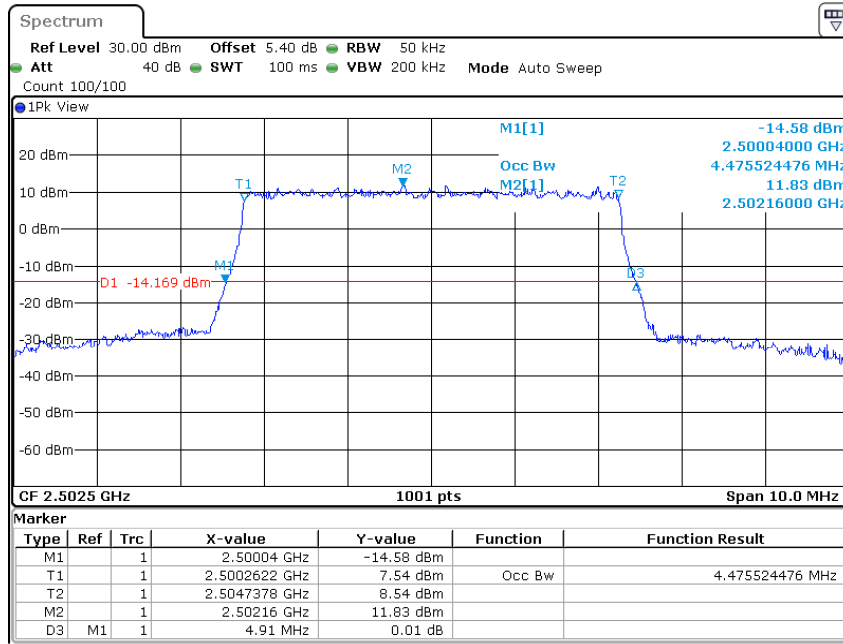
Date: 7.SEP.2020 11:37:34



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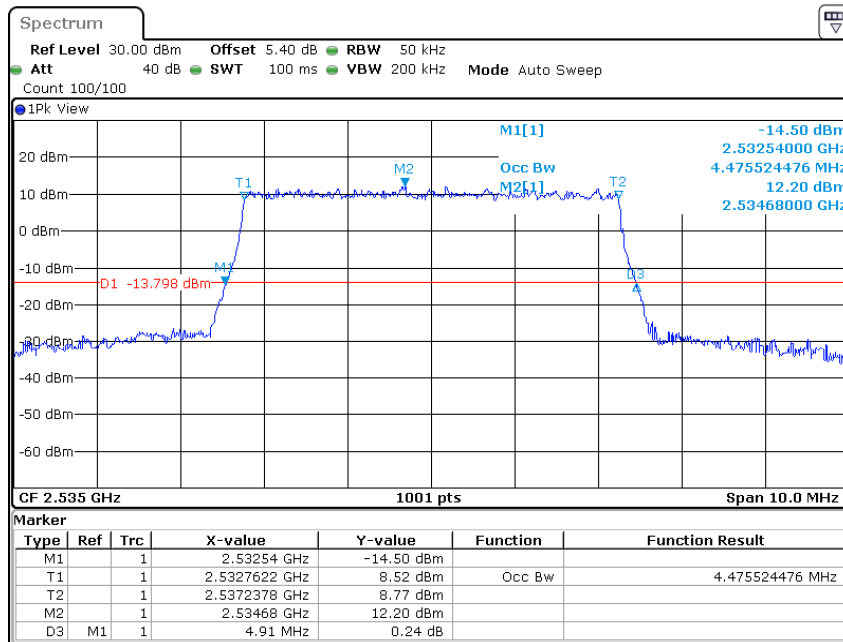
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Band7-5MHz-64QAM-20775-25RB#0-4.476



Date: 7.SEP.2020 14:52:15

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



Date: 7.SEP.2020 14:52:35

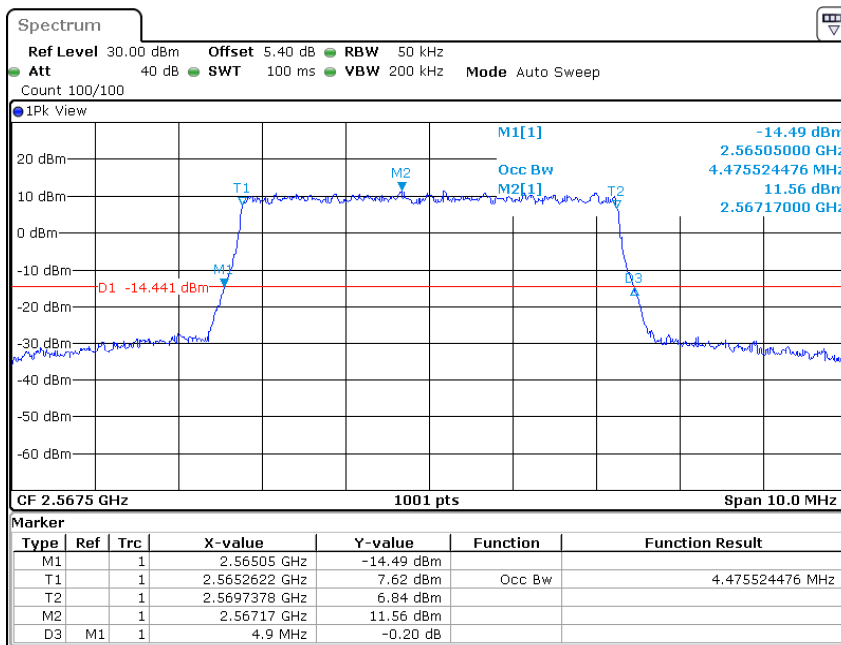


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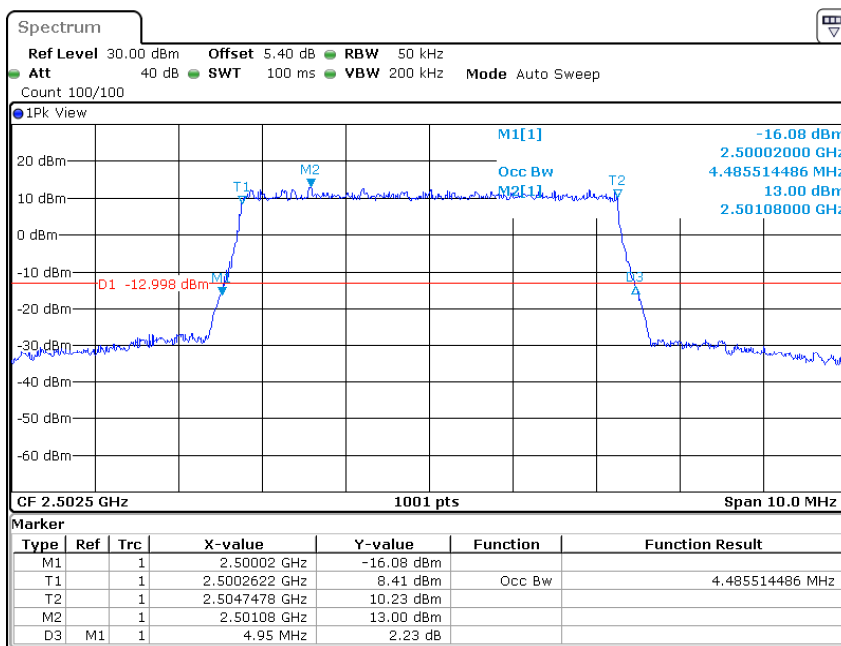


Band7-5MHz-64QAM-21425-25RB#0-4.476



Date: 7.SEP.2020 14:52:55

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

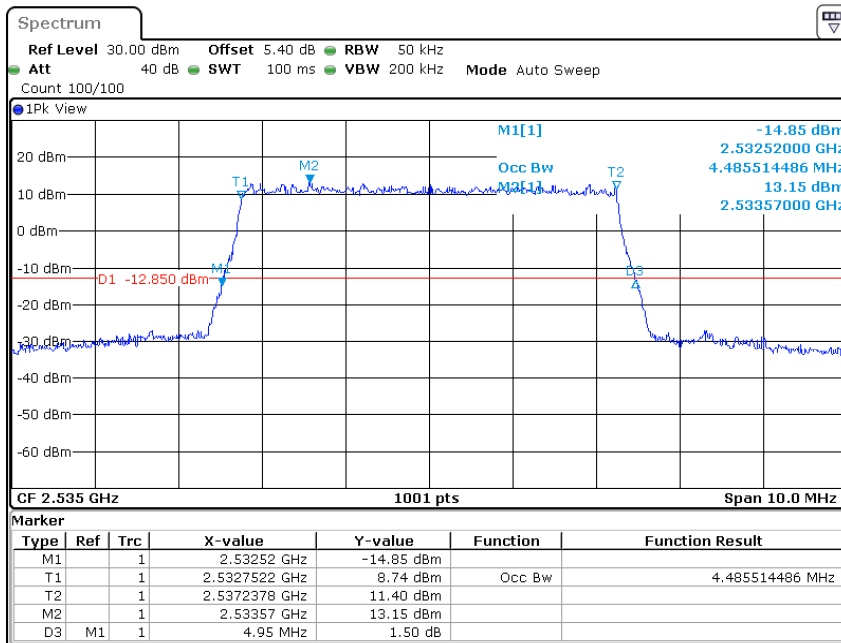


Date: 7.SEP.2020 11:36:34



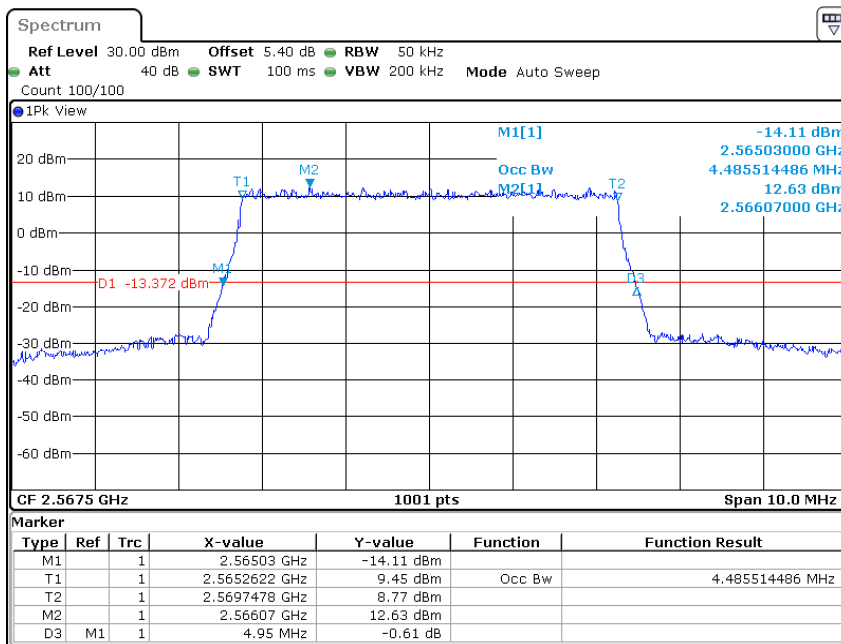
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Band7-5MHz-16QAM-21100-25RB#0-4.486



Date: 7.SEP.2020 11:37:13

Band7-5MHz-16QAM-21425-25RB#0-4.486



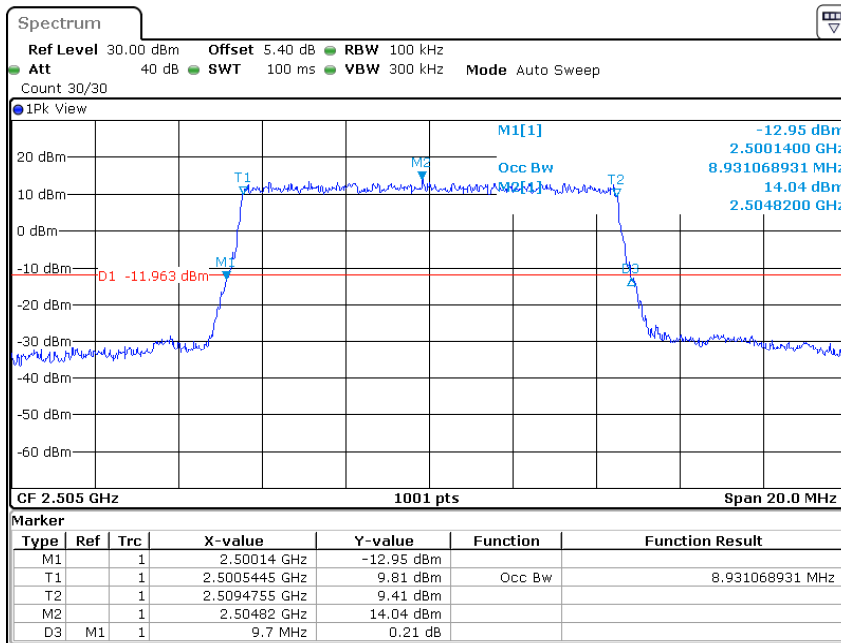
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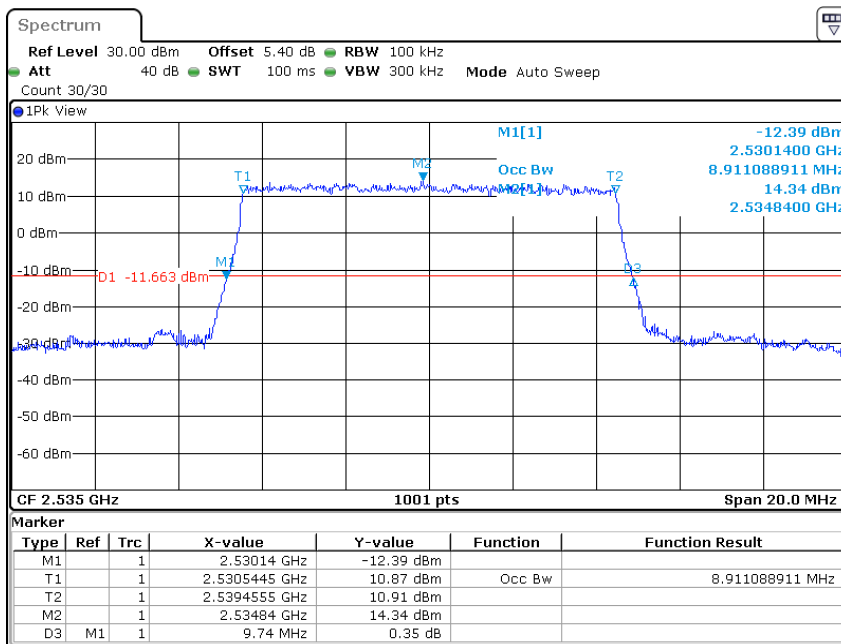


Band7-10MHz-QPSK-20800-50RB#0-8.931



Date: 7.SEP.2020 11:38:12

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

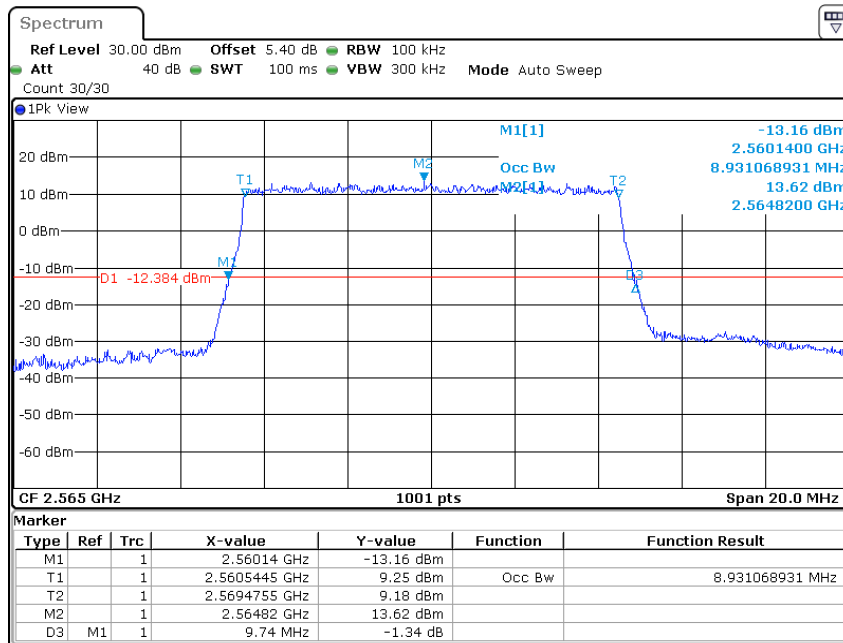


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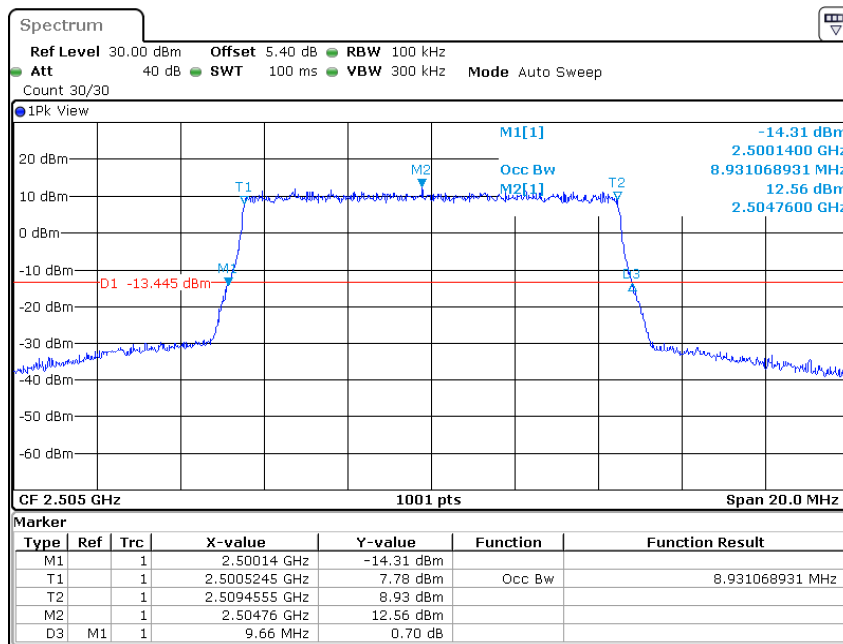
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Band7-10MHz-QPSK-21400-50RB#0-8.931



Date: 7.SEP.2020 11:39:03

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



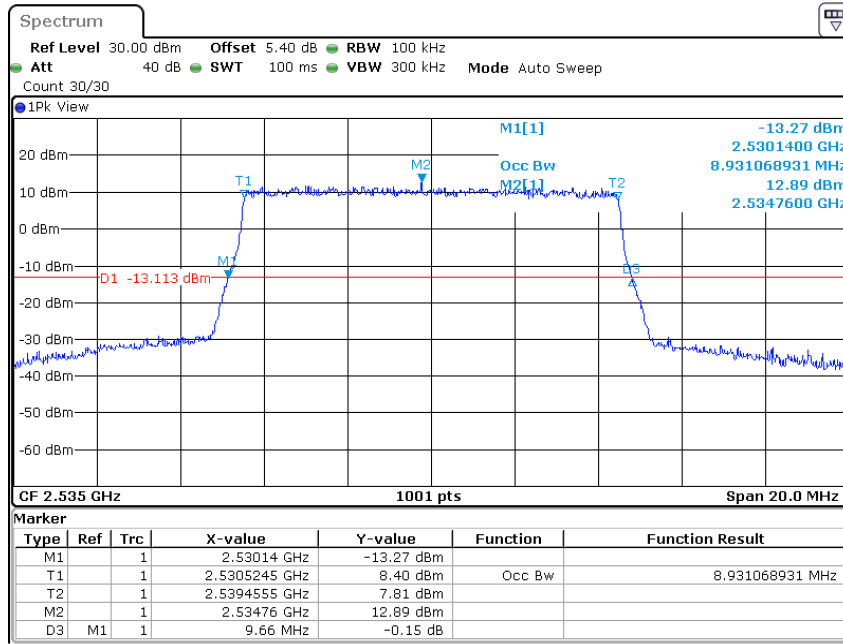
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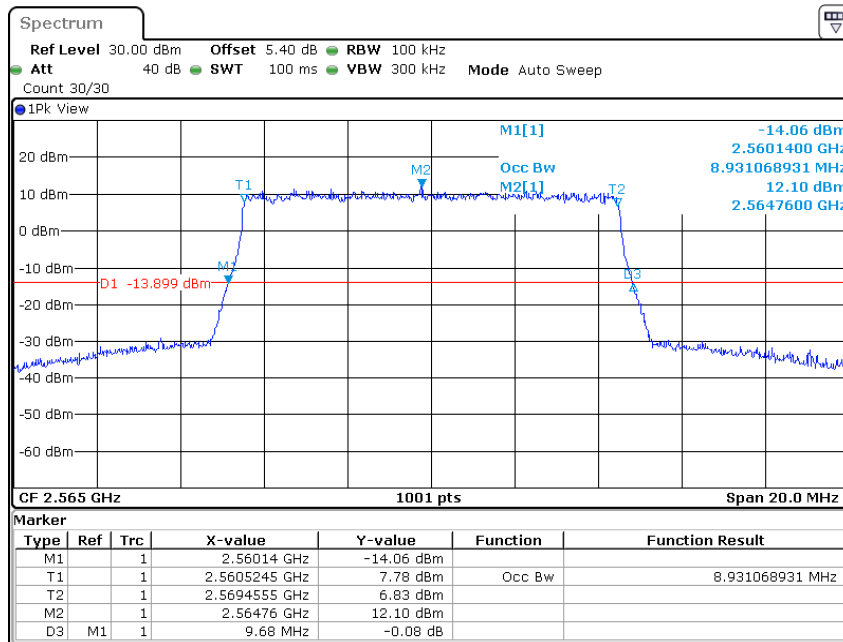
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Band7-10MHz-64QAM-21100-50RB#0-8.931



Date: 7.SEP.2020 14:53:27

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



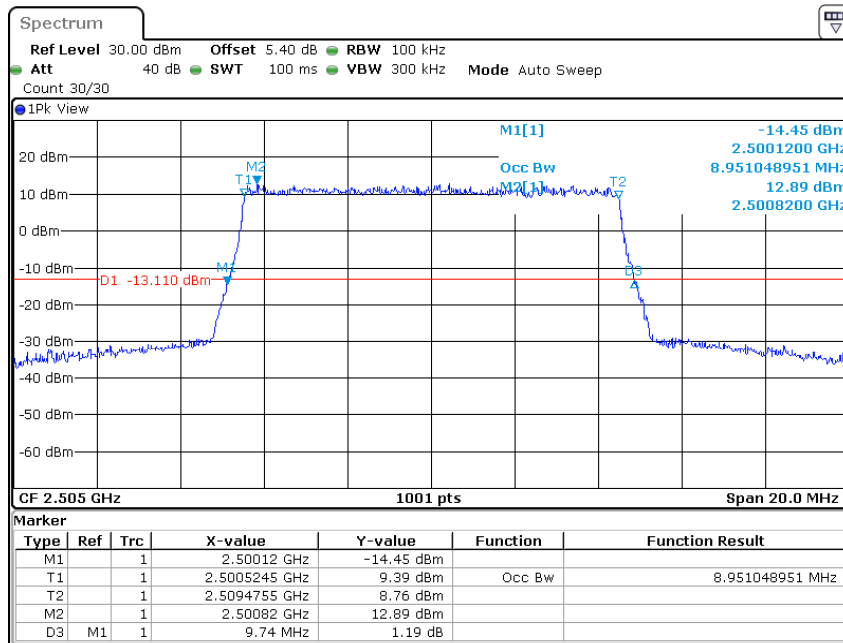
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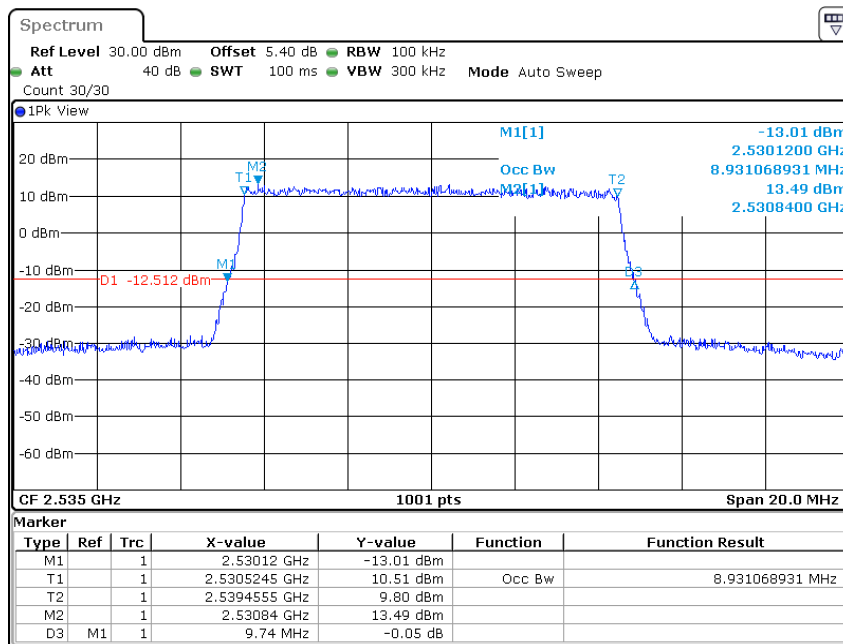
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Band7-10MHz-16QAM-20800-50RB#0-8.951



Date: 7.SEP.2020 11:38:24

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



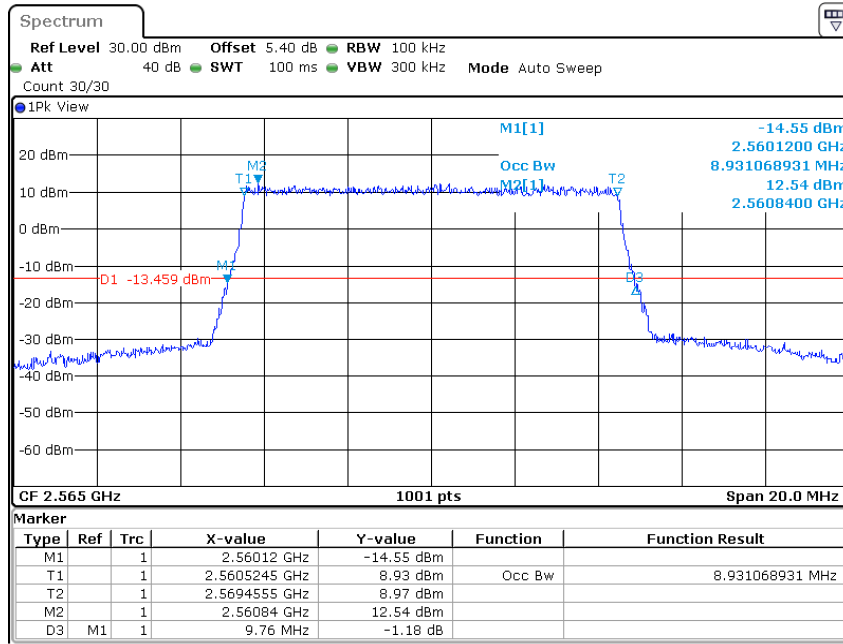
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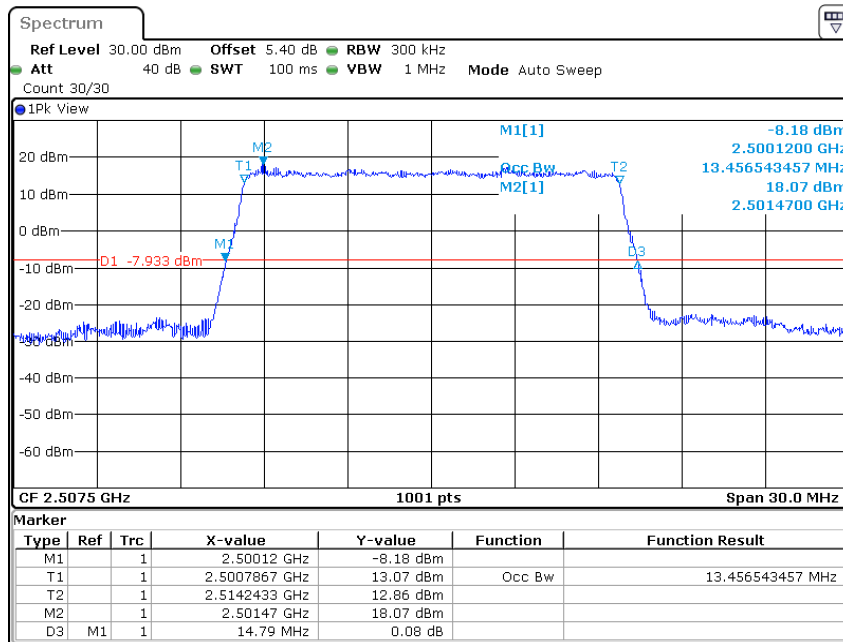
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Band7-10MHz-16QAM-21400-50RB#0-8.931



Date: 7.SEP.2020 11:39:15

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

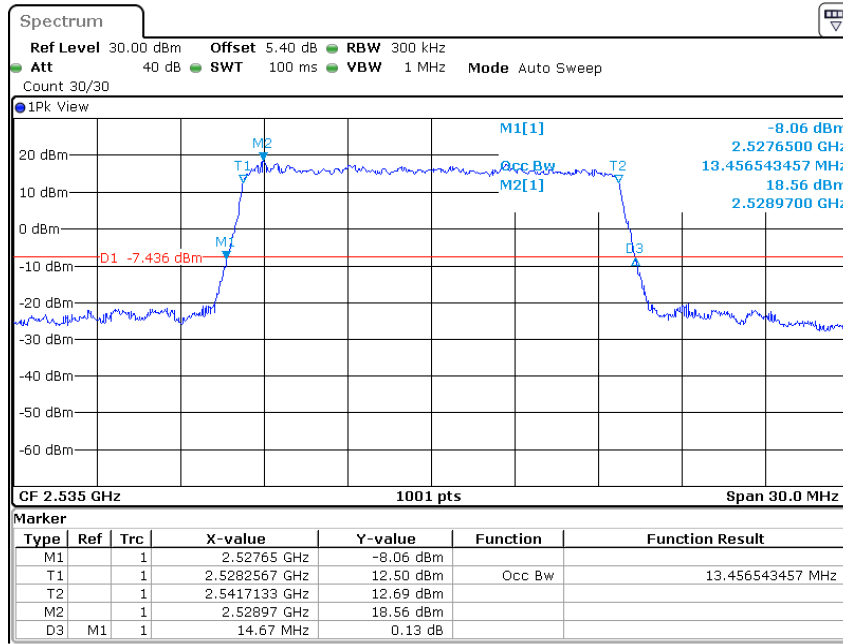


Date: 7.SEP.2020 11:39:34



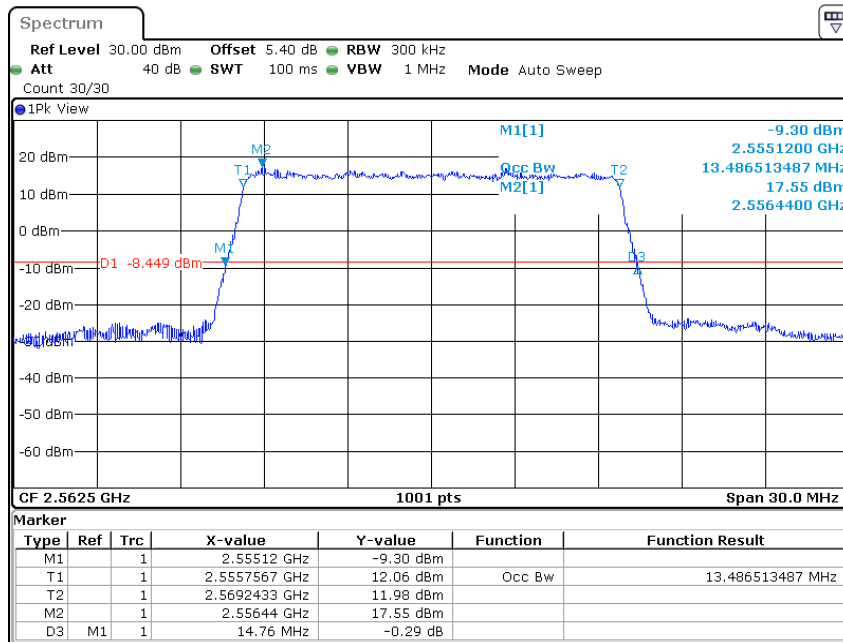
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Band7-15MHz-QPSK-21100-75RB#0-13.457



Date: 7.SEP.2020 11:40:00

Band7-15MHz-QPSK-21375-75RB#0-13.487



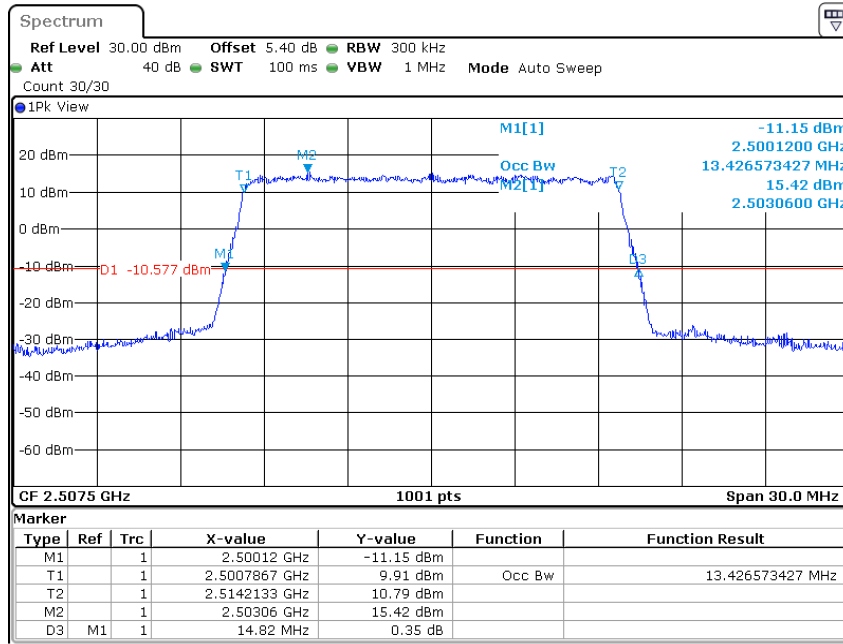
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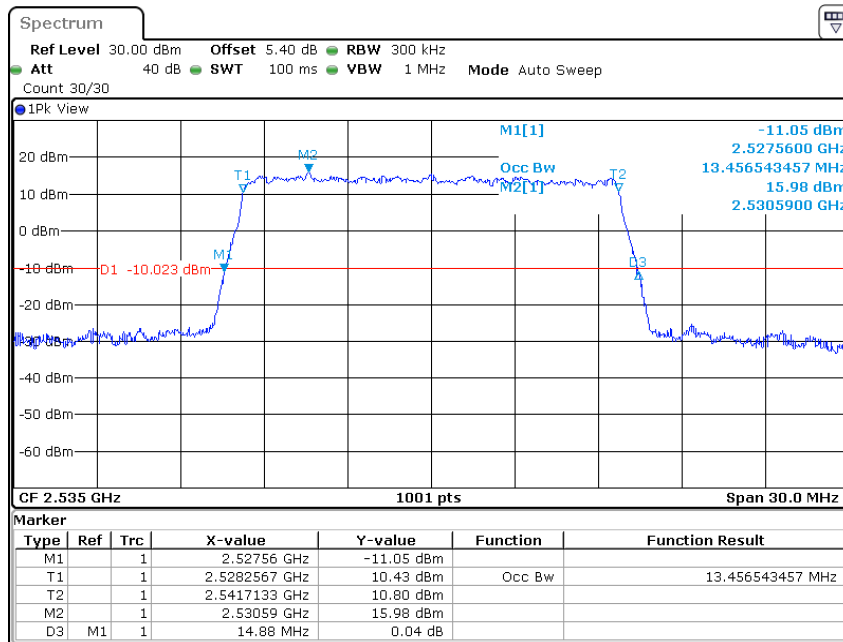
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Band7-15MHz-64QAM-20825-75RB#0-13.427



Date: 7.SEP.2020 14:53:59

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



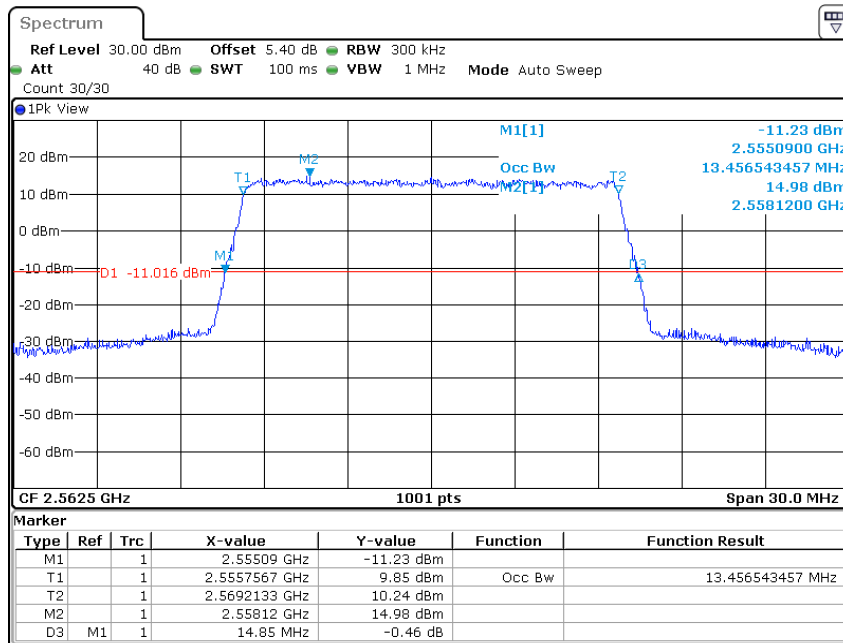
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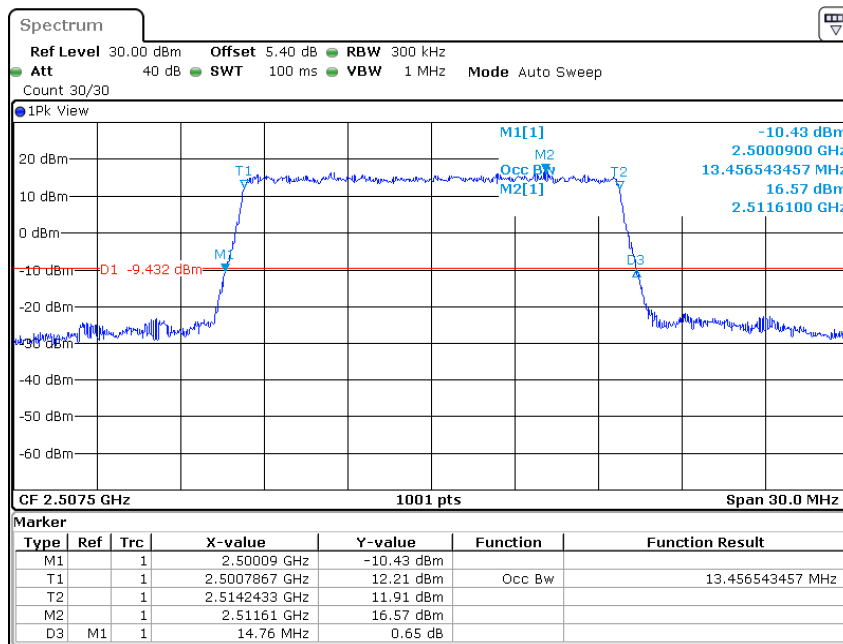
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Band7-15MHz-64QAM-21375-75RB#0-13.457



Date: 7.SEP.2020 14:54:25

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



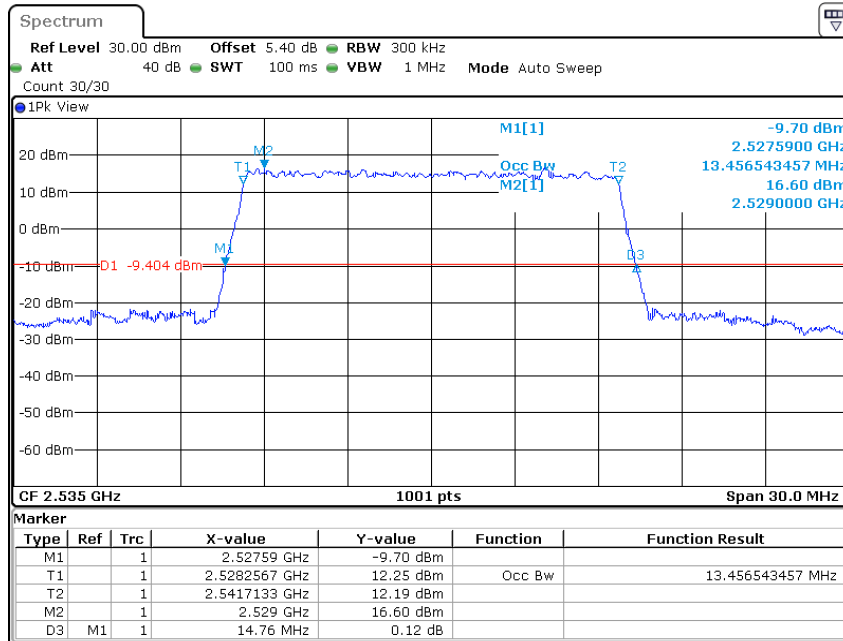
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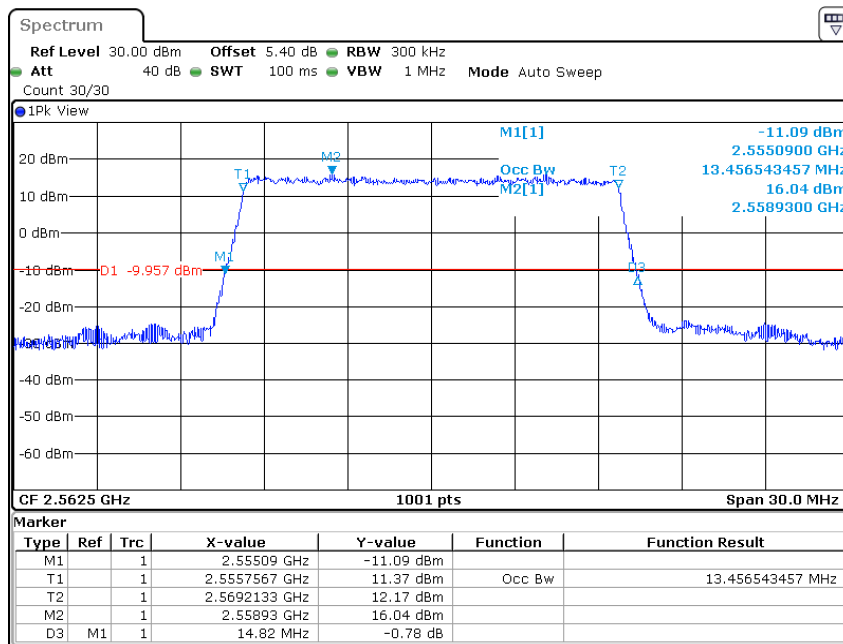
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Band7-15MHz-16QAM-21100-75RB#0-13.457



Date: 7.SEP.2020 11:40:13

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



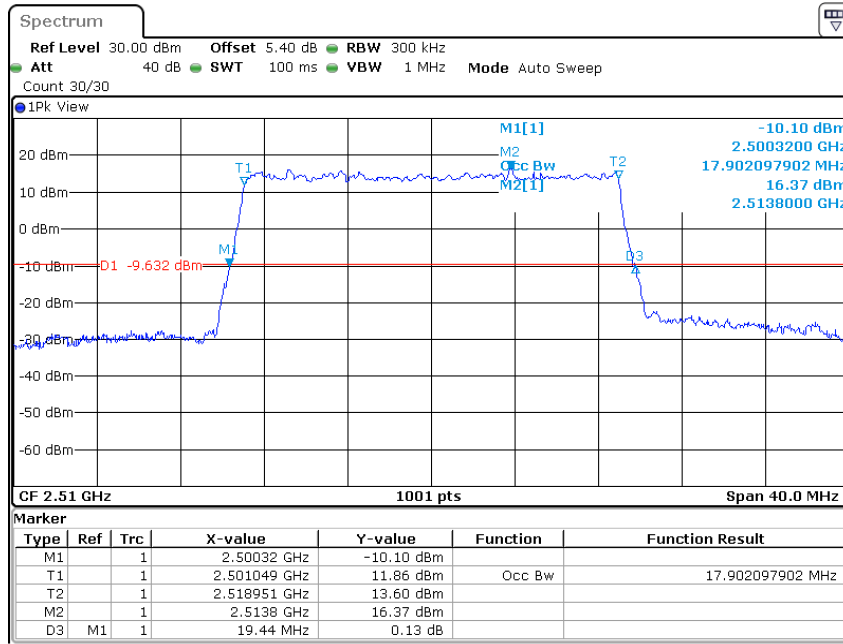
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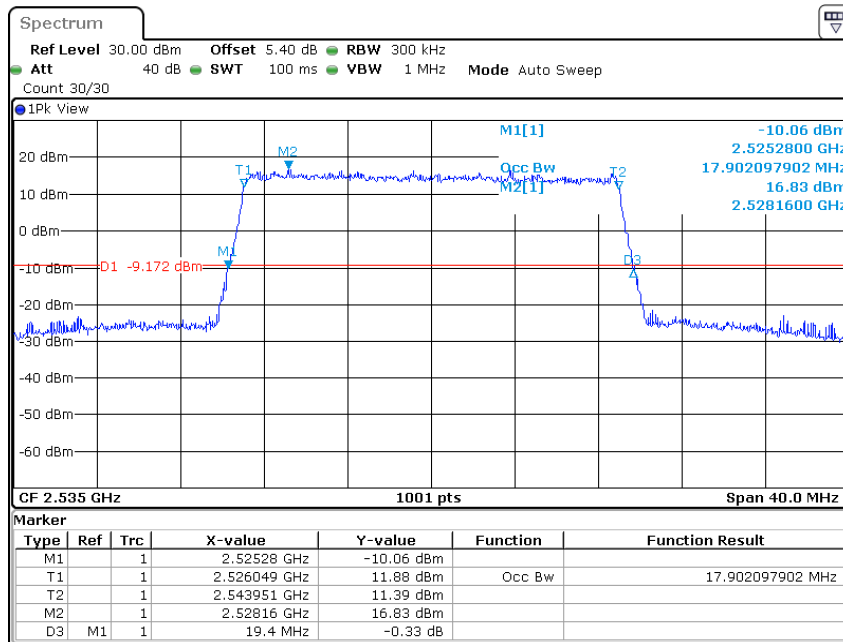
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Band7-20MHz-QPSK-20850-100RB#0-17.902



Date: 7.SEP.2020 11:40:57

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



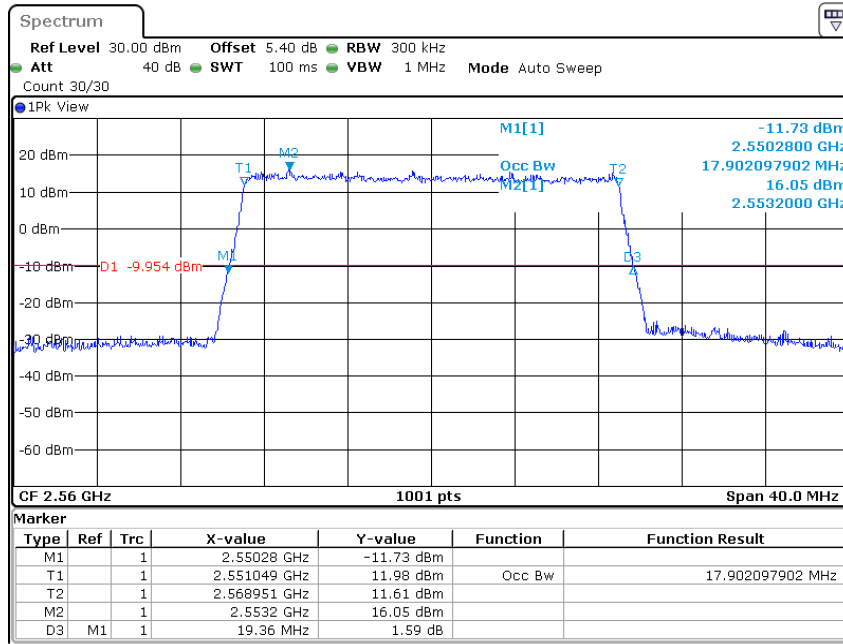
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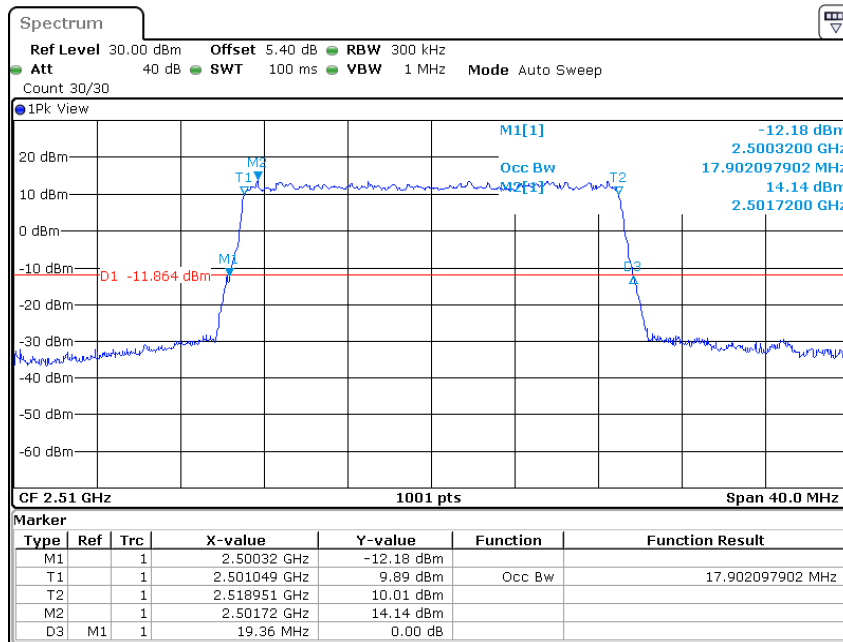
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Band7-20MHz-QPSK-21350-100RB#0-17.902



Date: 7.SEP.2020 11:41:47

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



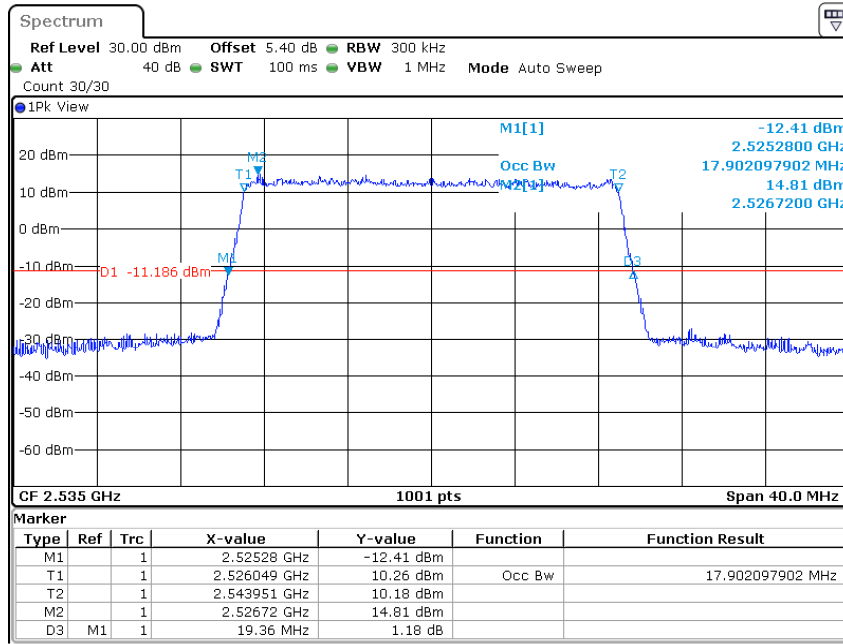
Date: 7.SEP.2020 14:54:44



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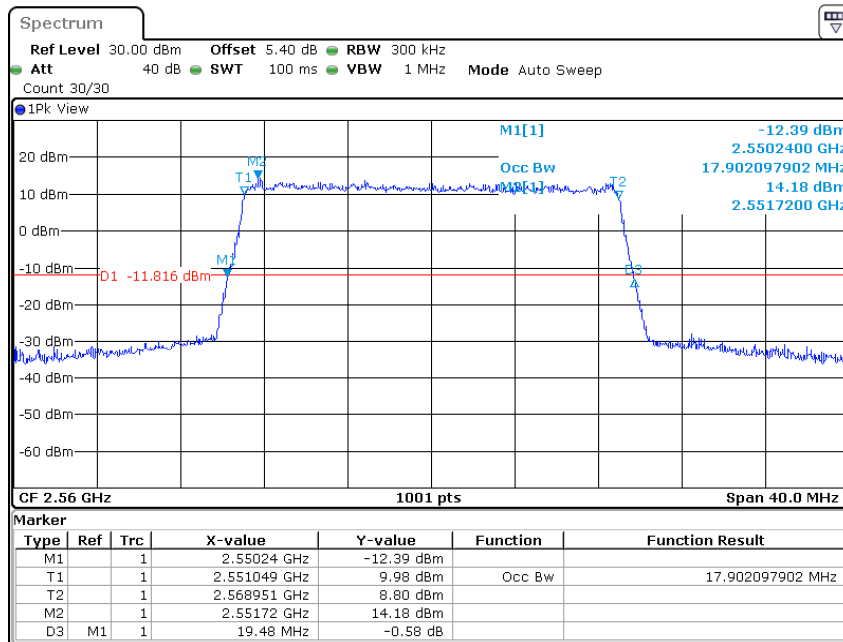
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Band7-20MHz-64QAM-21100-100RB#0-17.902



Date: 7.SEP.2020 14:54:57

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



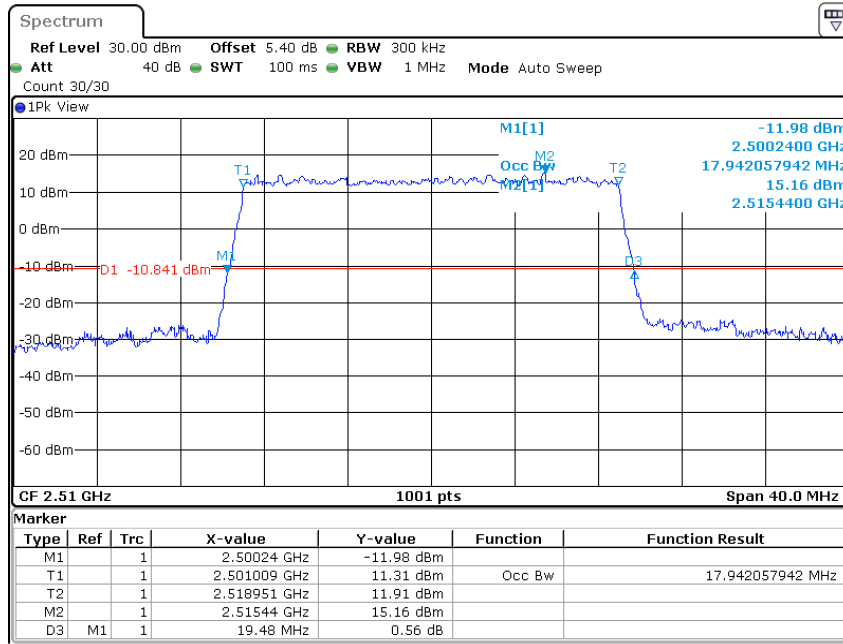
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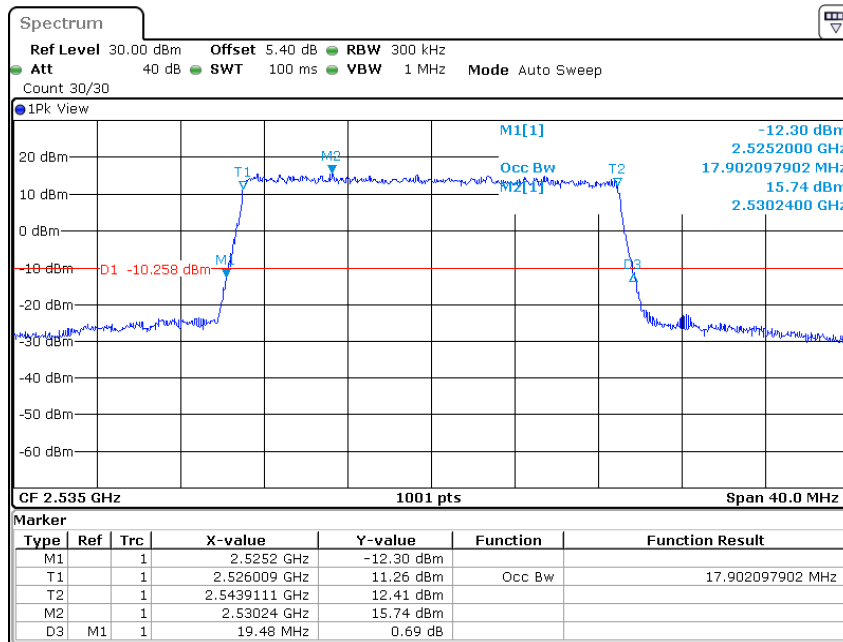
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Band7-20MHz-16QAM-20850-100RB#0-17.942



Date: 7.SEP.2020 11:41:09

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



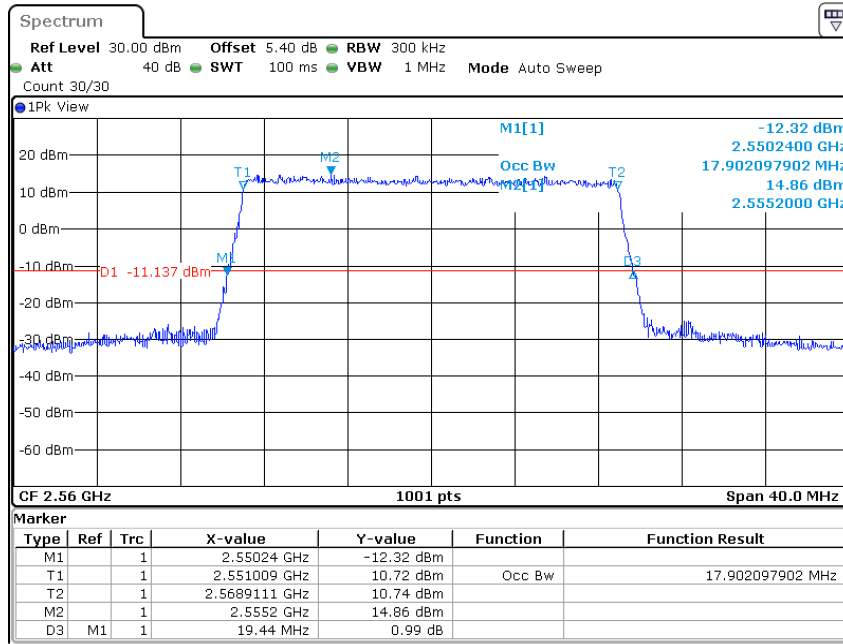
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Band7-20MHz-16QAM-21350-100RB#0-17.902



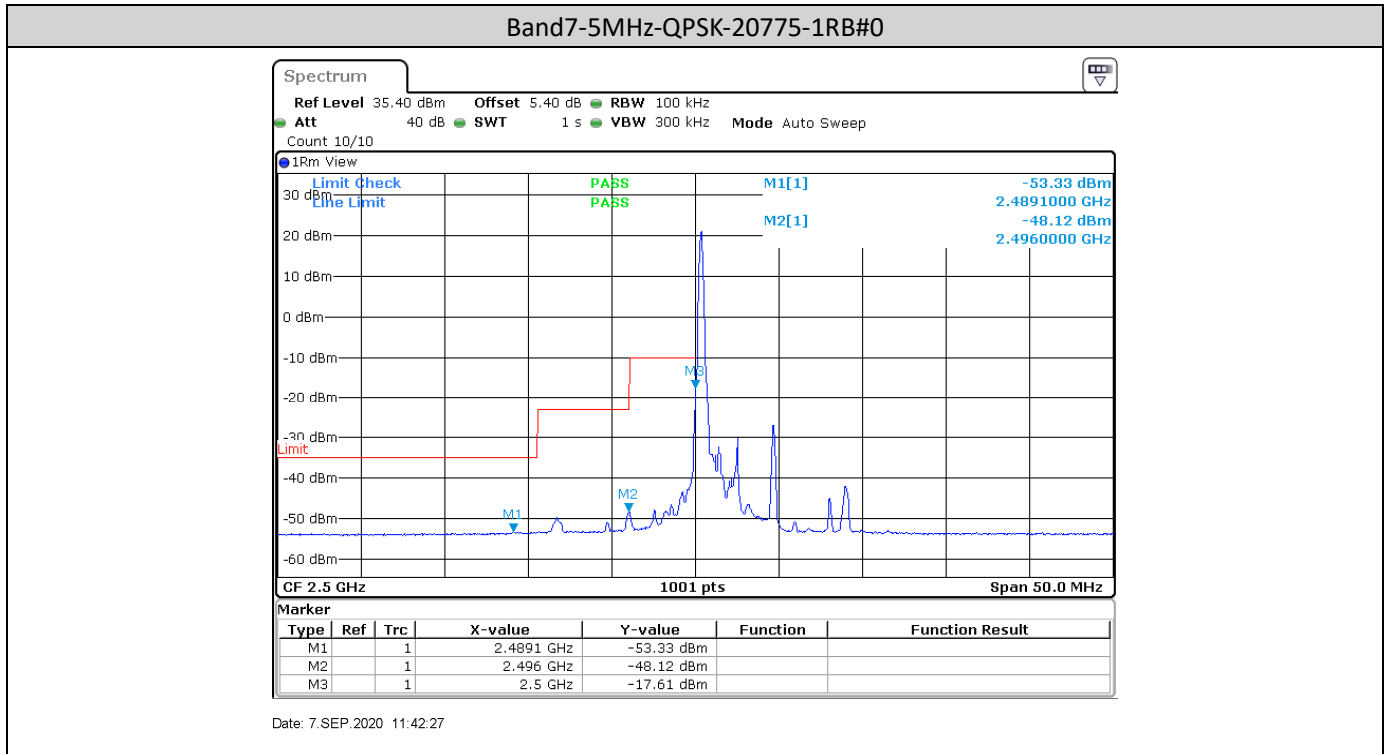
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5. Band Edge Compliance

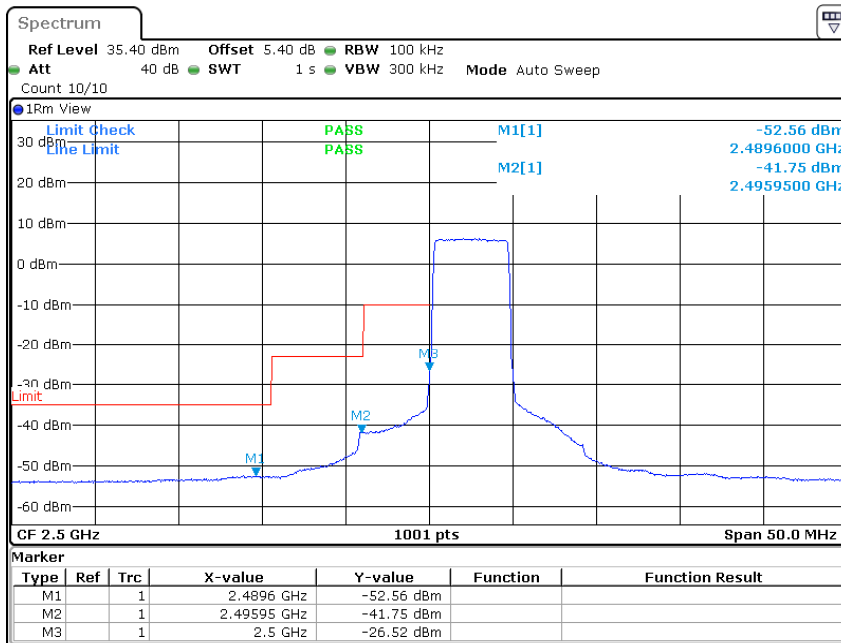
5.1. Test Plots



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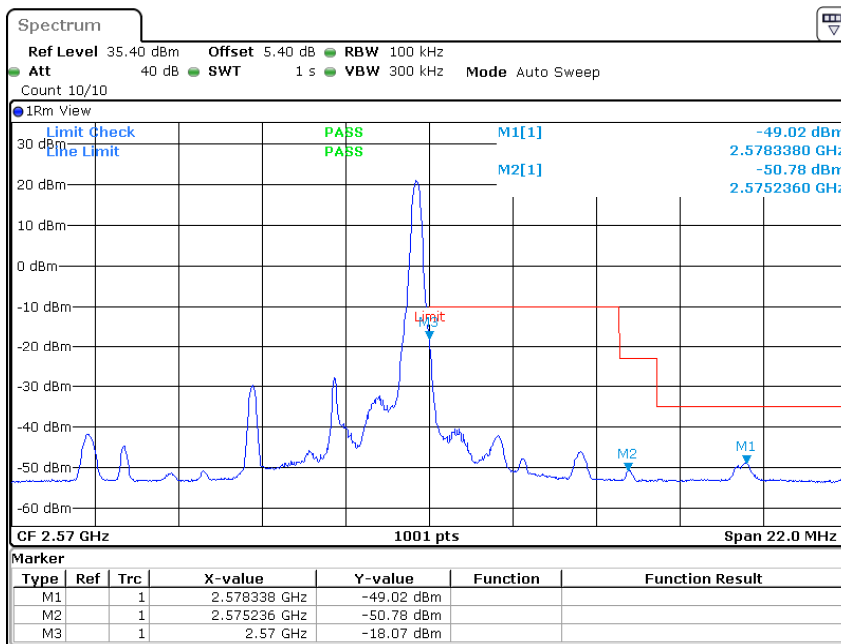
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Band7-5MHz-QPSK-20775-25RB#0



Date: 7.SEP.2020 11:44:05

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

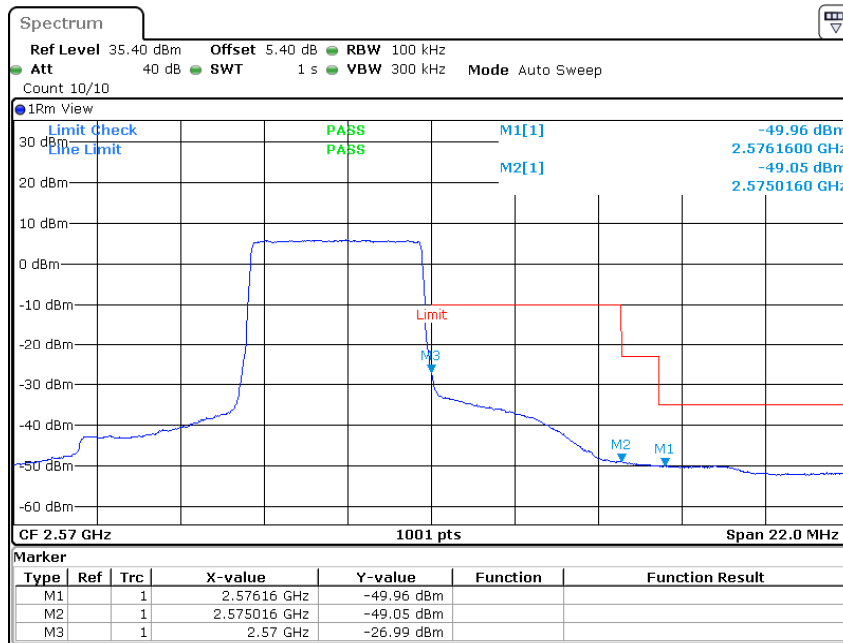


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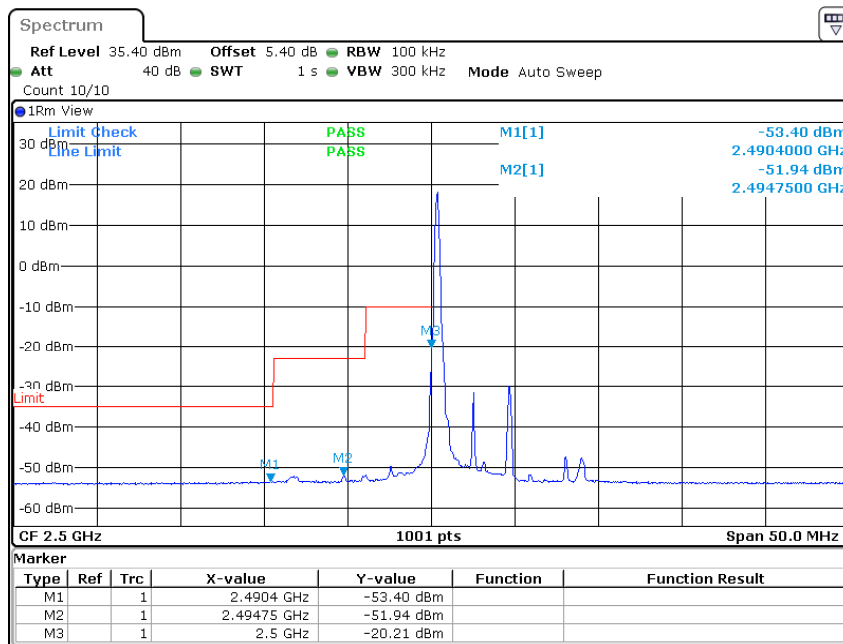
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Band7-5MHz-QPSK-21425-25RB#0



Date: 7.SEP.2020 11:44:47

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



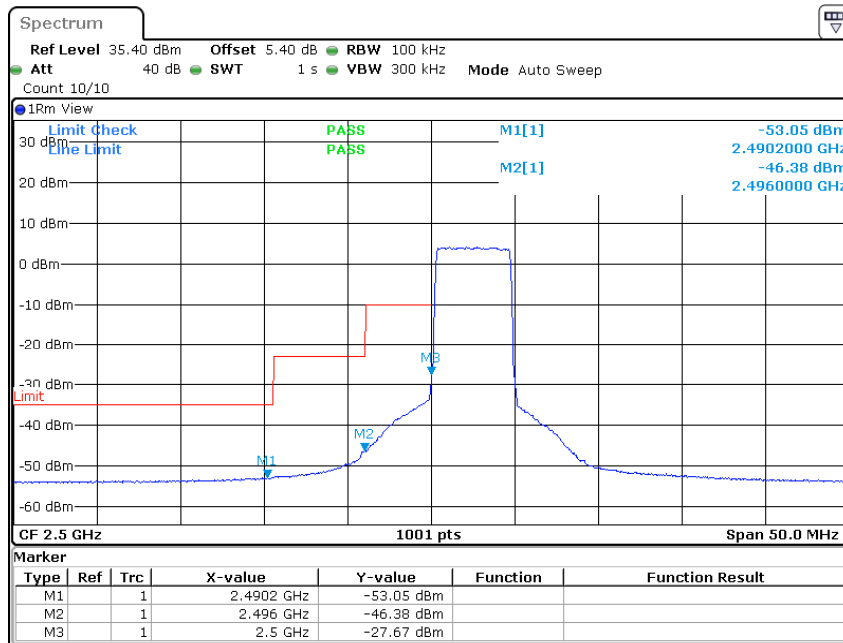
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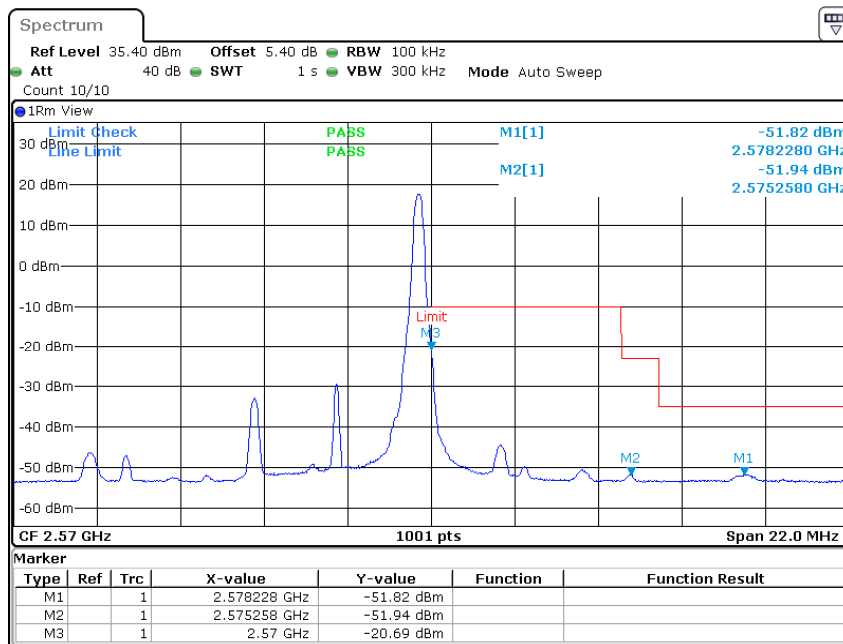
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Band7-5MHz-64QAM-20775-25RB#0



Date: 7.SEP.2020 14:56:31

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



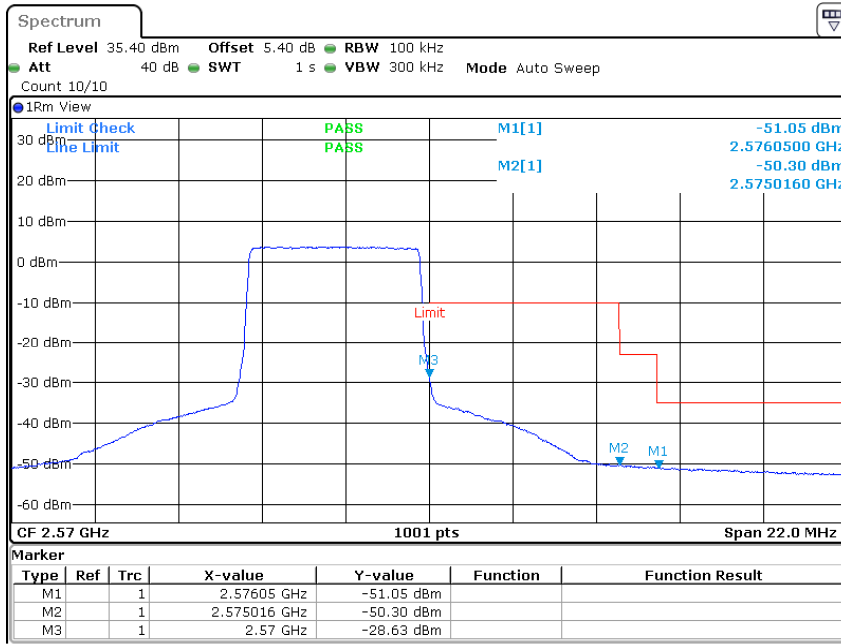
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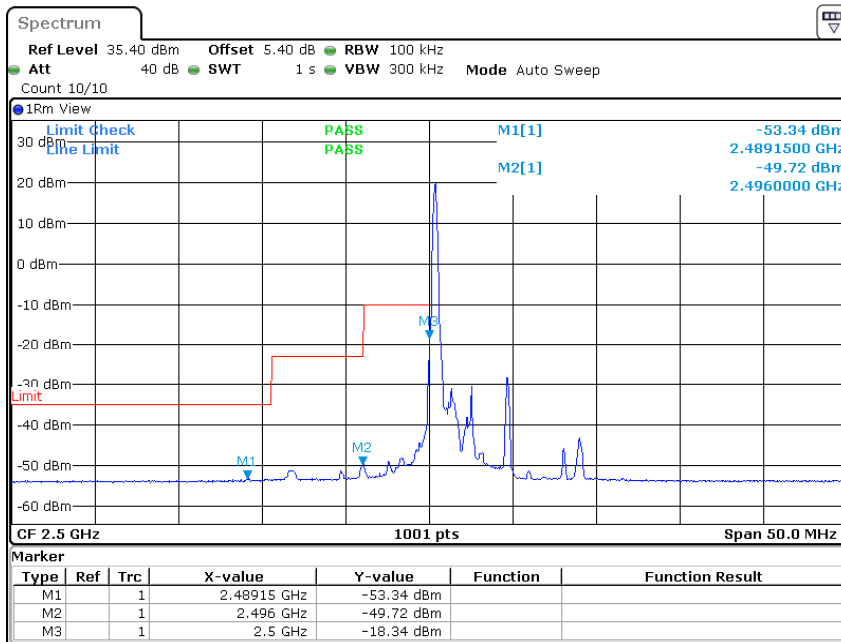
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Band7-5MHz-64QAM-21425-25RB#0



Date: 7.SEP.2020 14:56:53

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



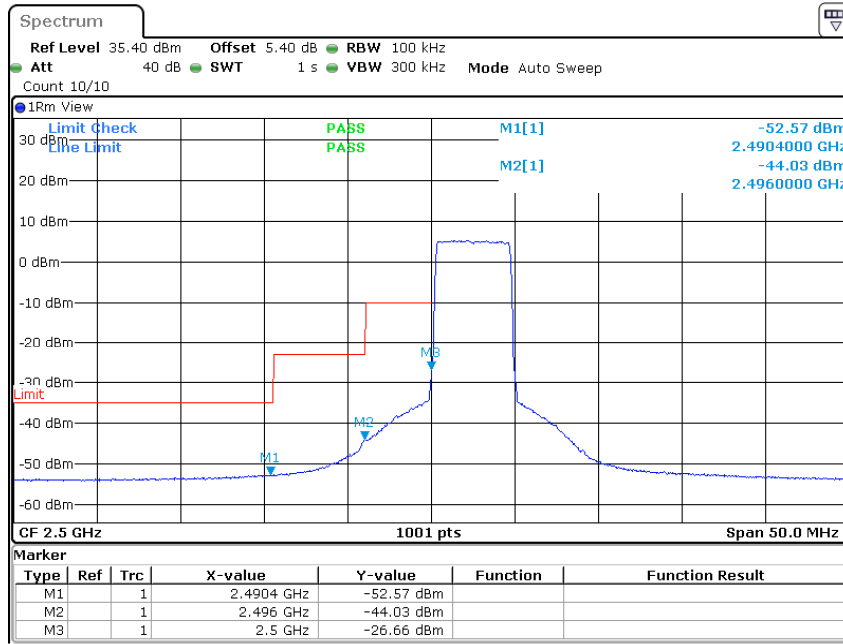
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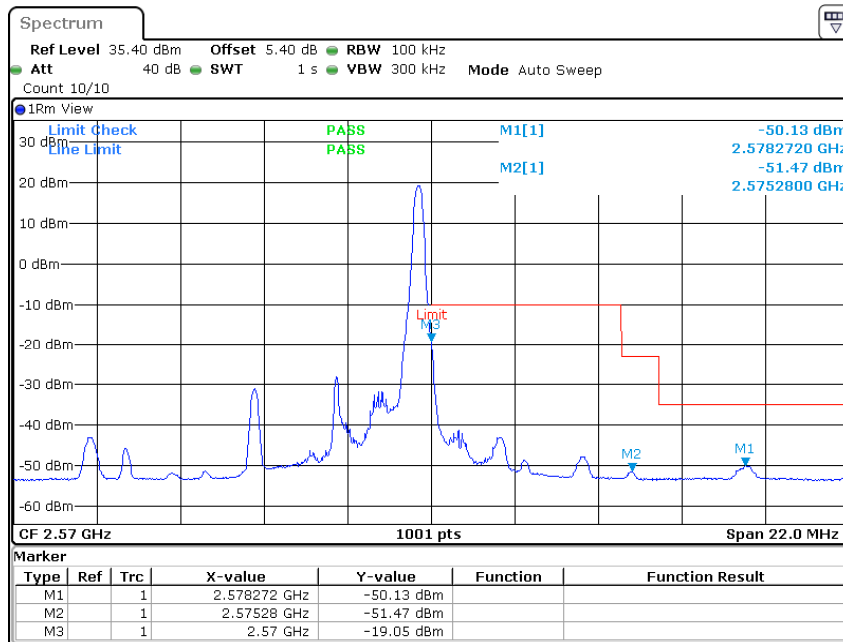
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Band7-5MHz-16QAM-20775-25RB#0



Date: 7.SEP.2020 11:44:26

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



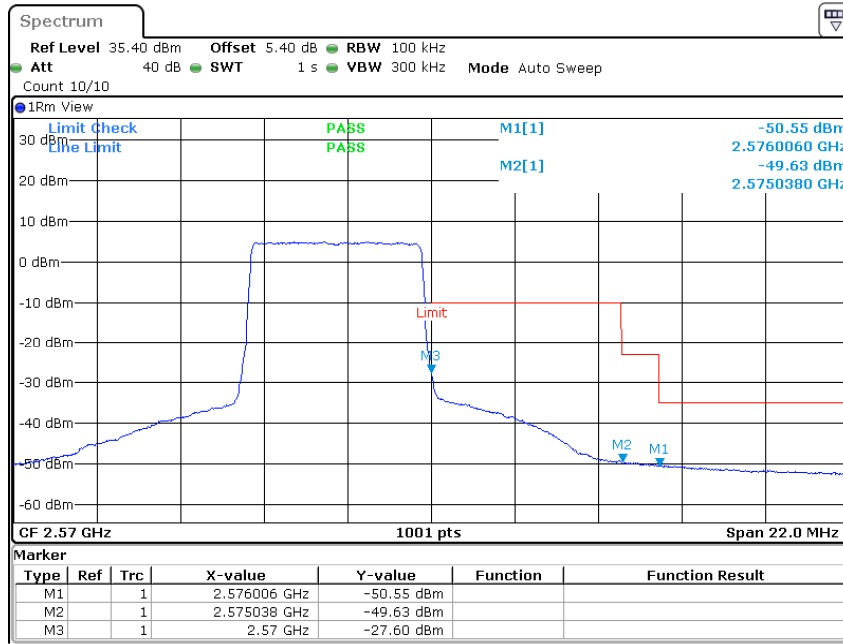
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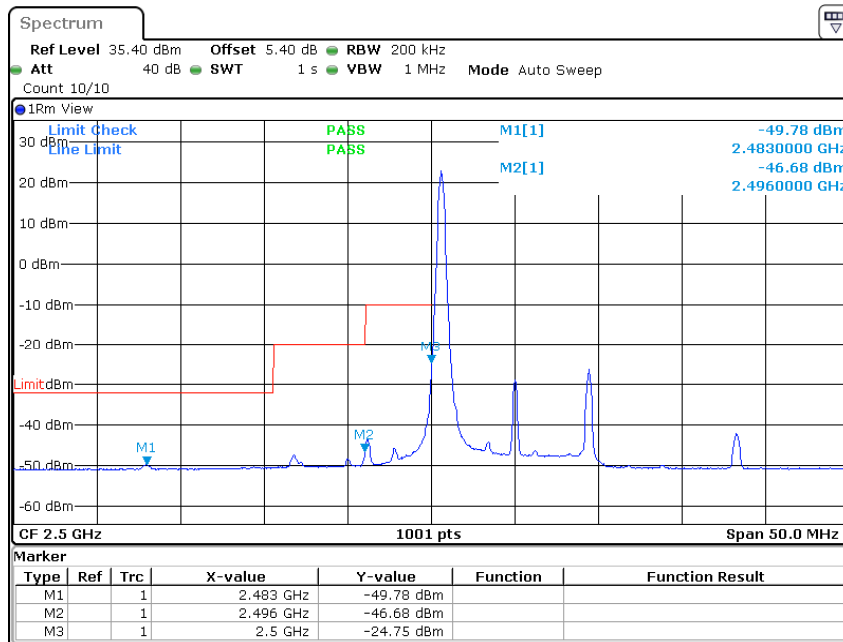
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Band7-5MHz-16QAM-21425-25RB#0



Date: 7.SEP.2020 11:45:09

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



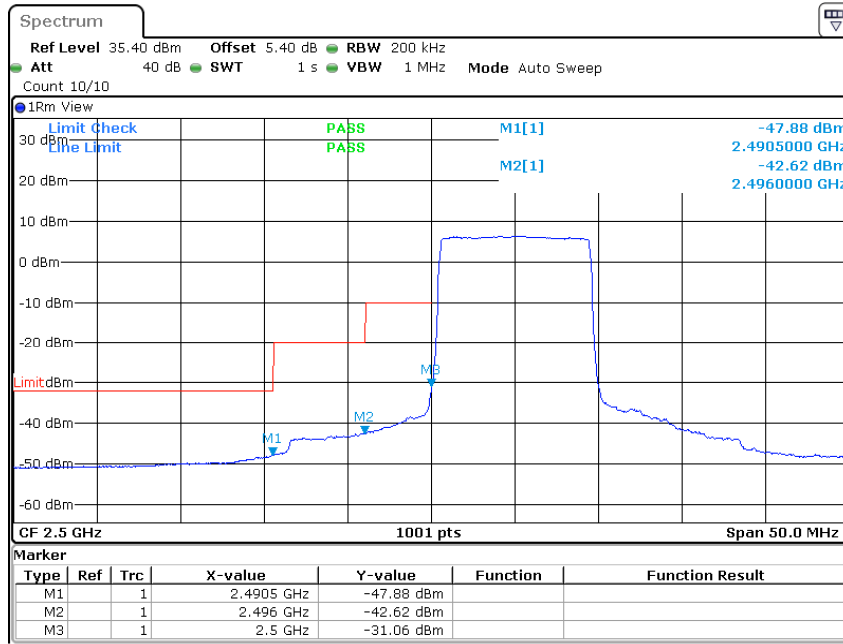
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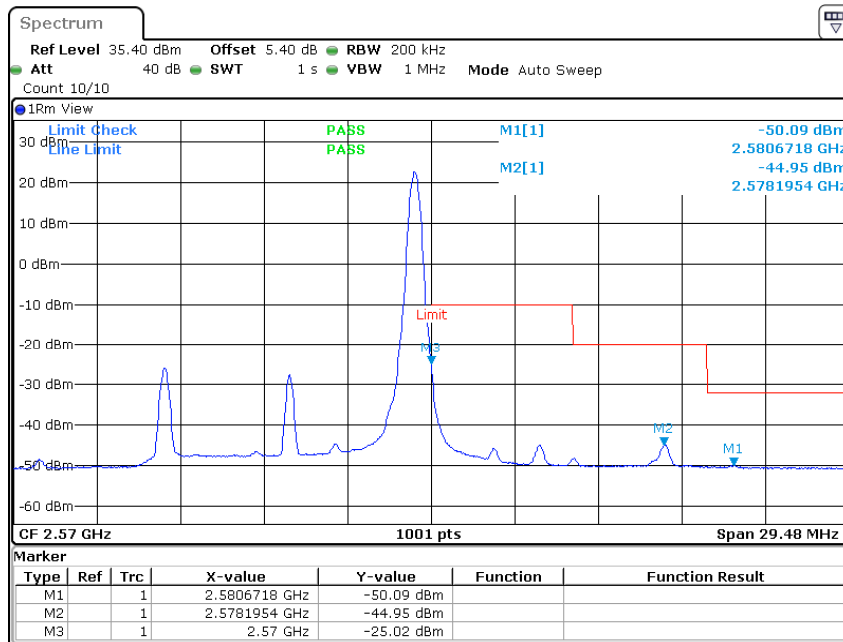
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Band7-10MHz-QPSK-20800-50RB#0



Date: 7.SEP.2020 11:47:11

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



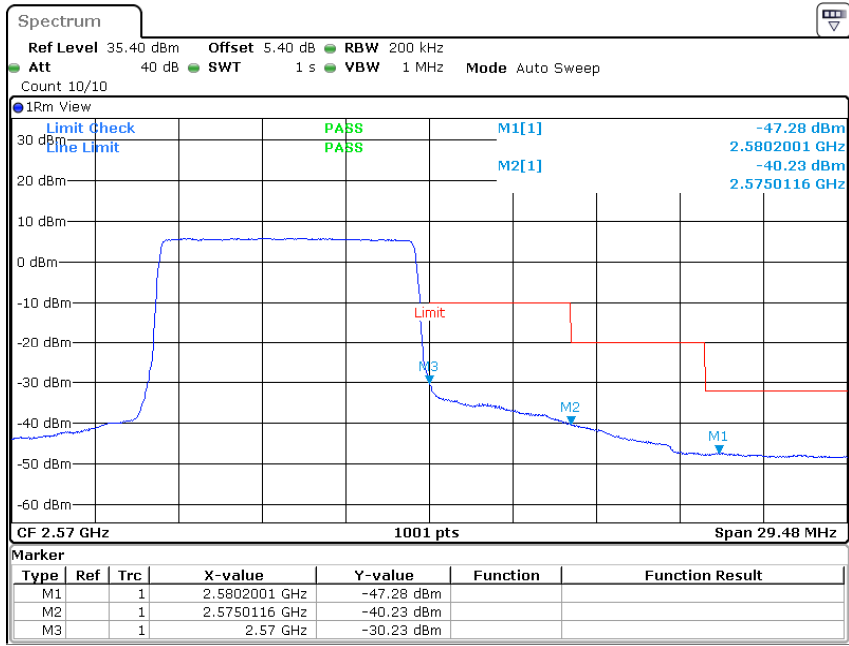
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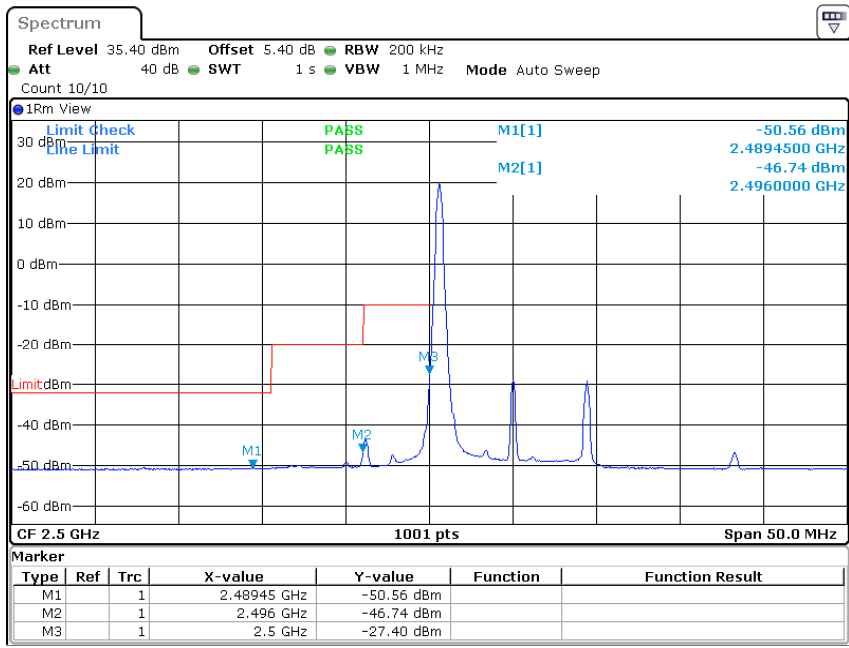
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Band7-10MHz-QPSK-21400-50RB#0



Date: 7.SEP.2020 11:47:53

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



Date: 7.SEP.2020 14:57:21

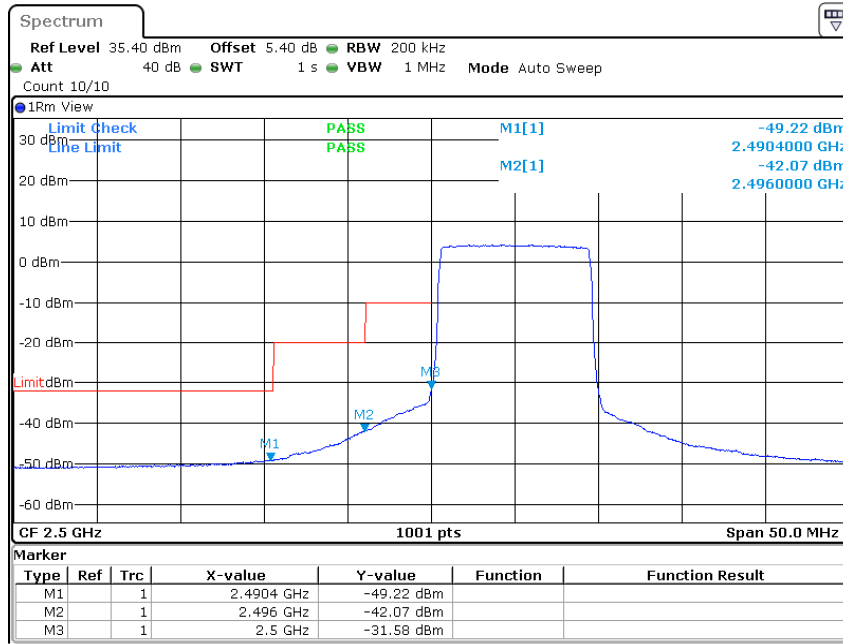


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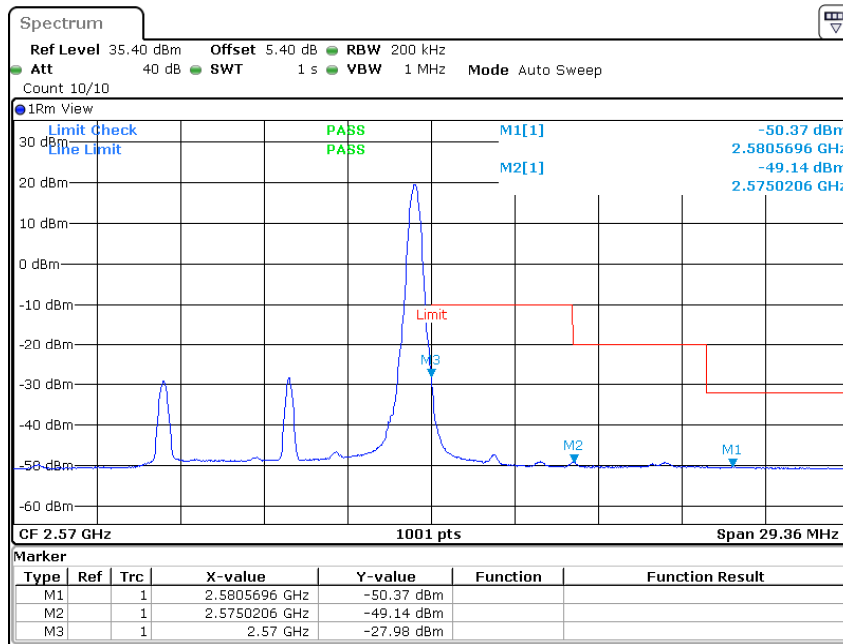
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Band7-10MHz-64QAM-20800-50RB#0



Date: 7.SEP.2020 14:58:14

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



Date: 7.SEP.2020 14:57:48

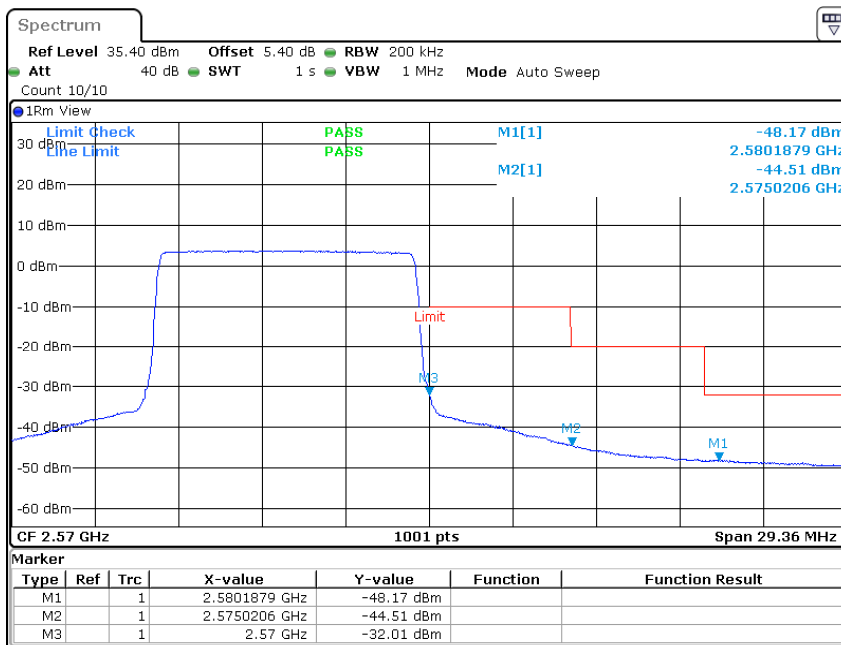


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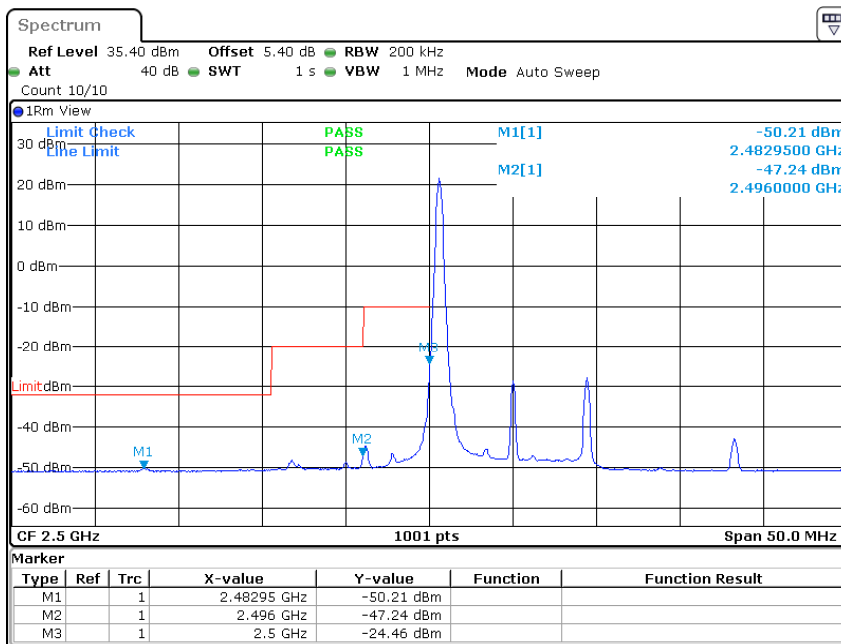
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Band7-10MHz-64QAM-21400-50RB#0



Date: 7.SEP.2020 14:58:35

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

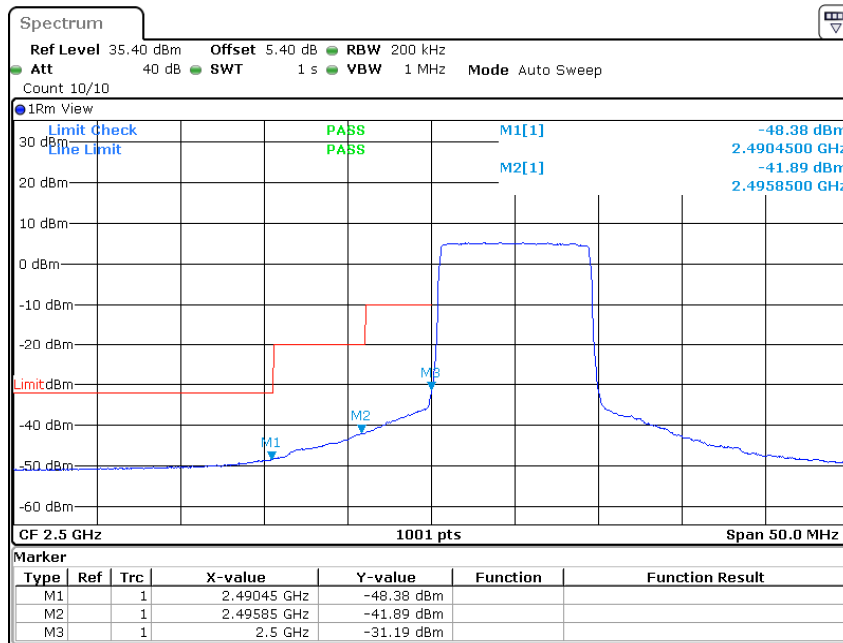


Date: 7.SEP.2020 11:45:57



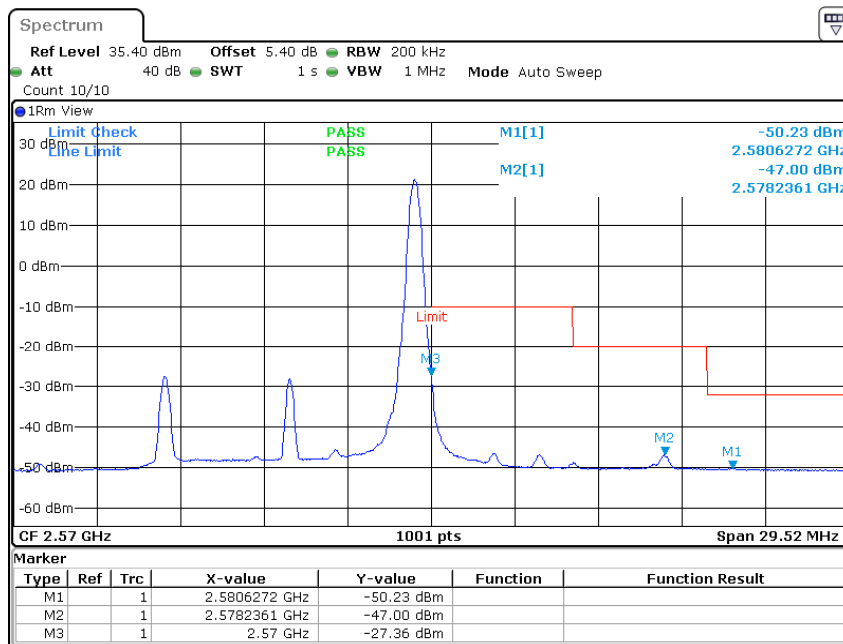
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Band7-10MHz-16QAM-20800-50RB#0



Date: 7.SEP.2020 11:47:32

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

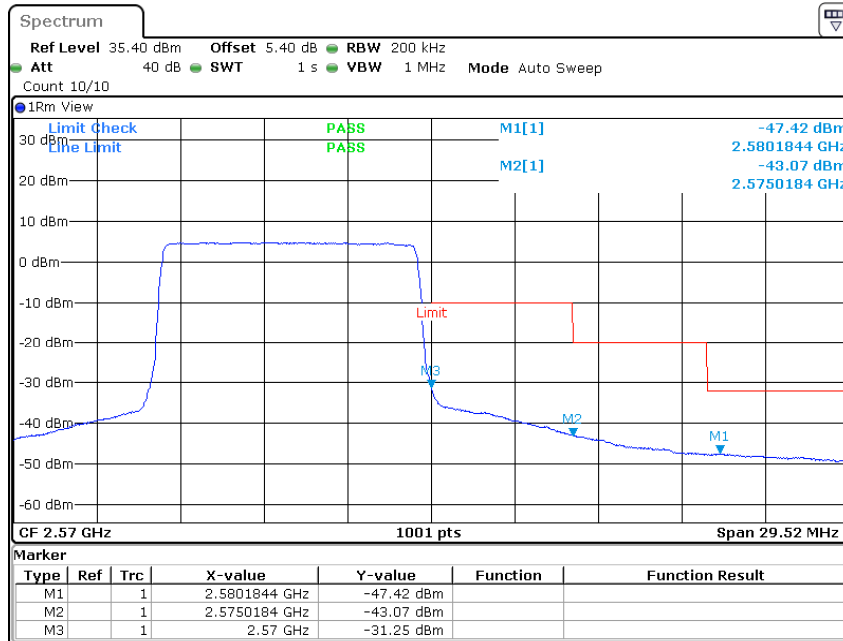


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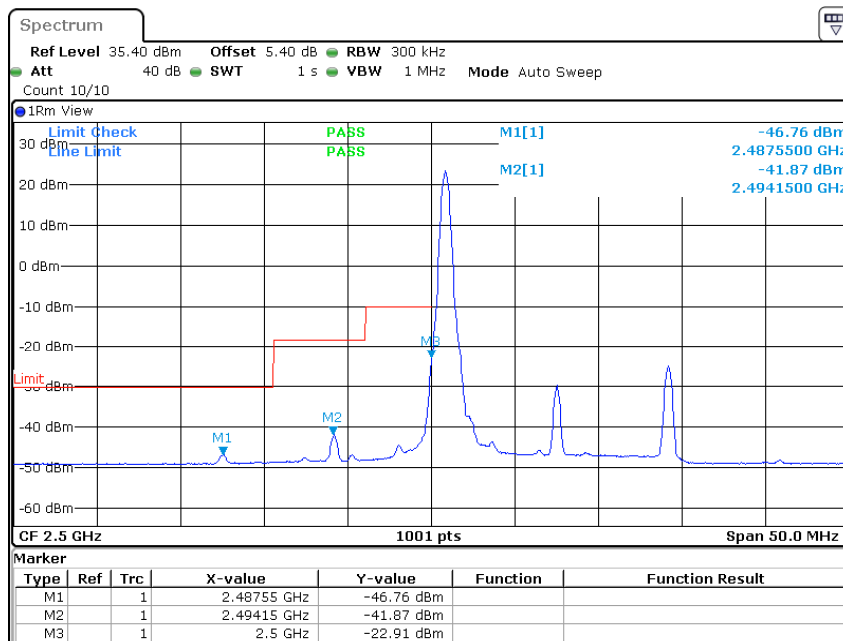
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Band7-10MHz-16QAM-21400-50RB#0



Date: 7.SEP.2020 11:48:15

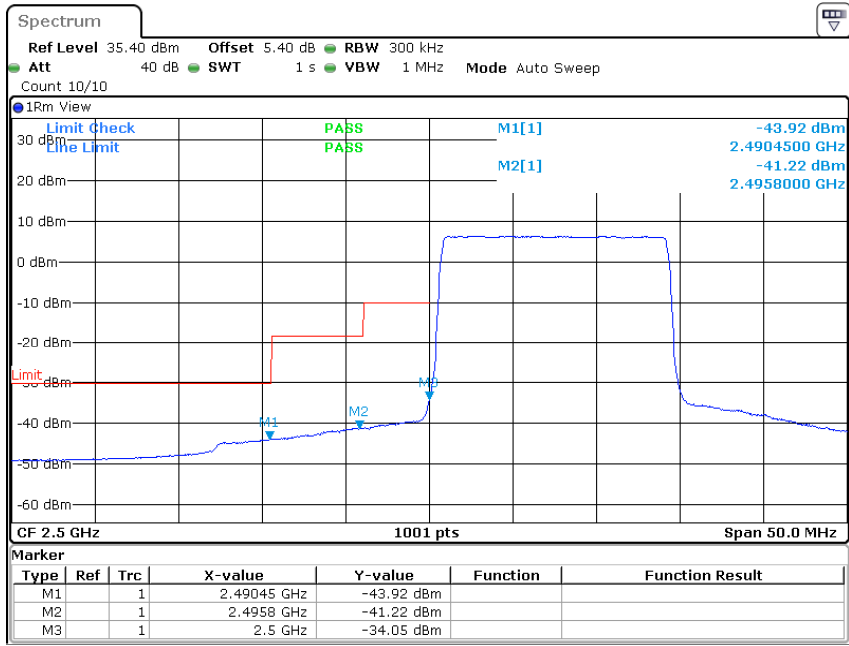
Band7-15MHz-QPSK-20825-1RB#0



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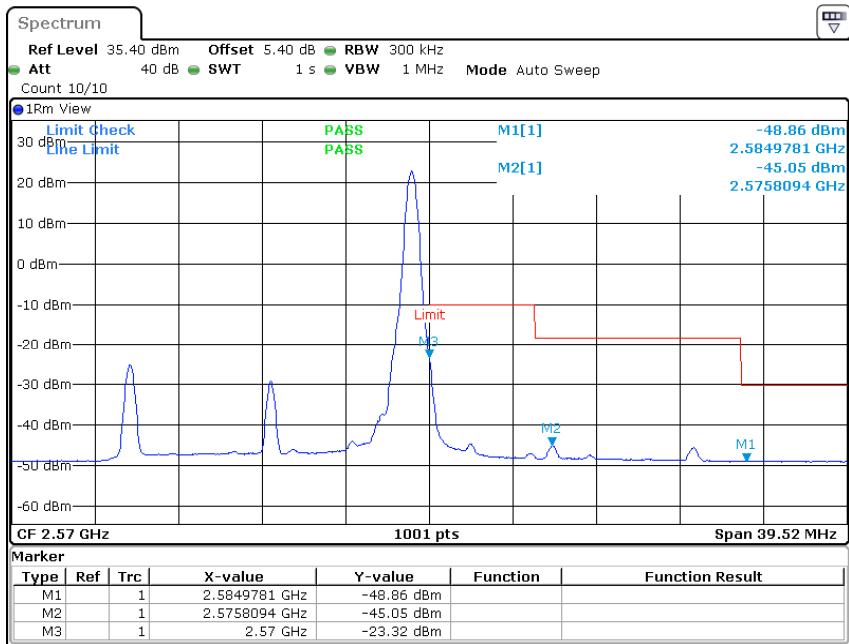


Band7-15MHz-QPSK-20825-75RB#0



Date: 7.SEP.2020 11:50:17

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



Date: 7.SEP.2020 11:49:30

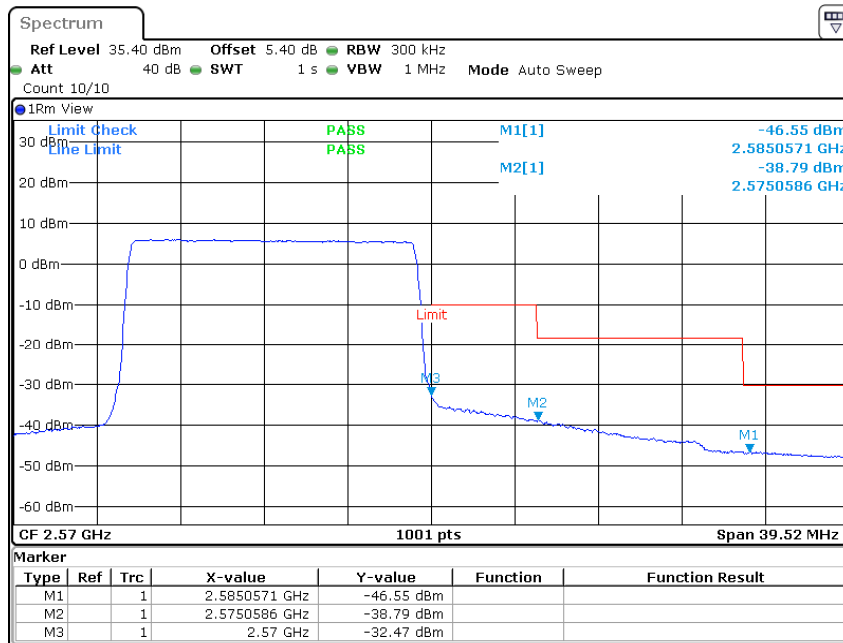


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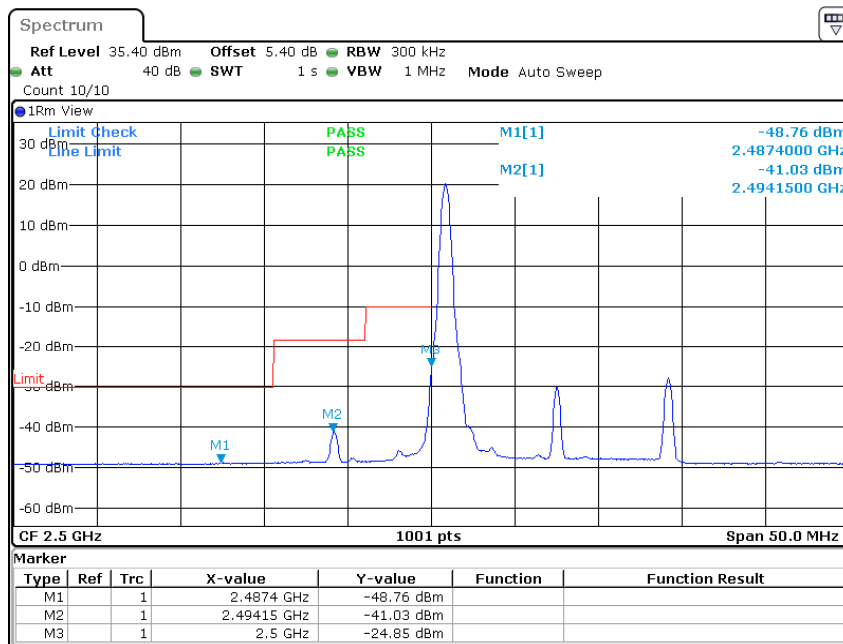
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Band7-15MHz-QPSK-21375-75RB#0



Date: 7.SEP.2020 11:50:59

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



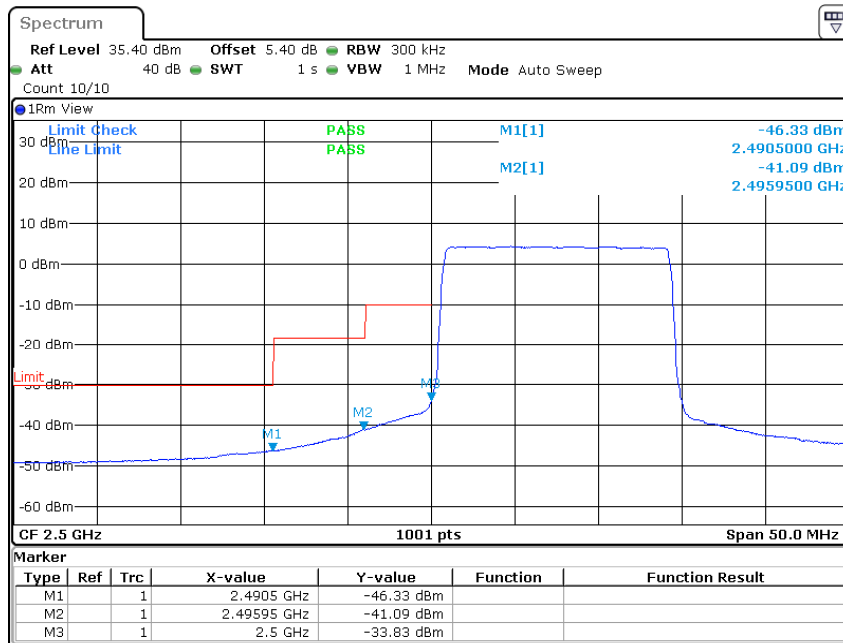
Date: 7.SEP.2020 14:59:03



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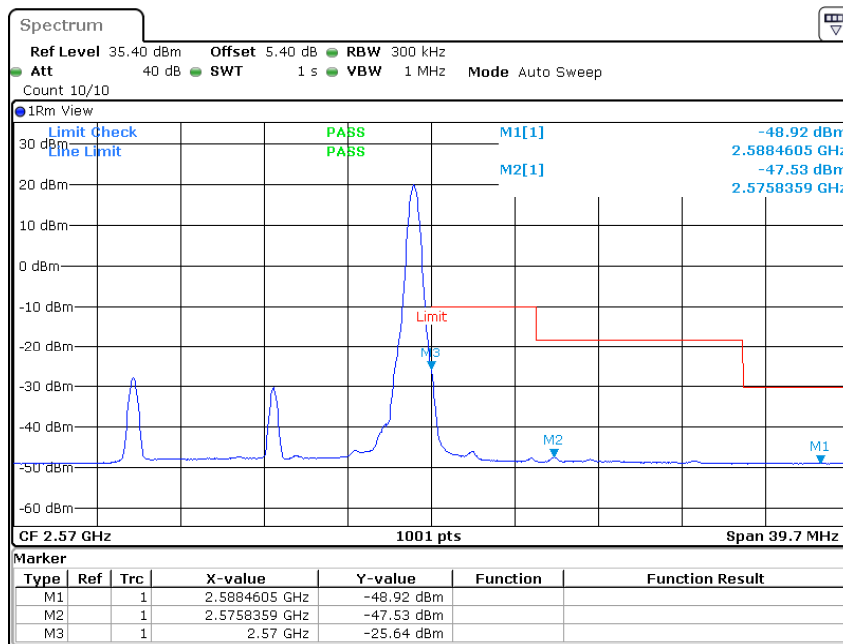
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Band7-15MHz-64QAM-20825-75RB#0



Date: 7.SEP.2020 14:59:57

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



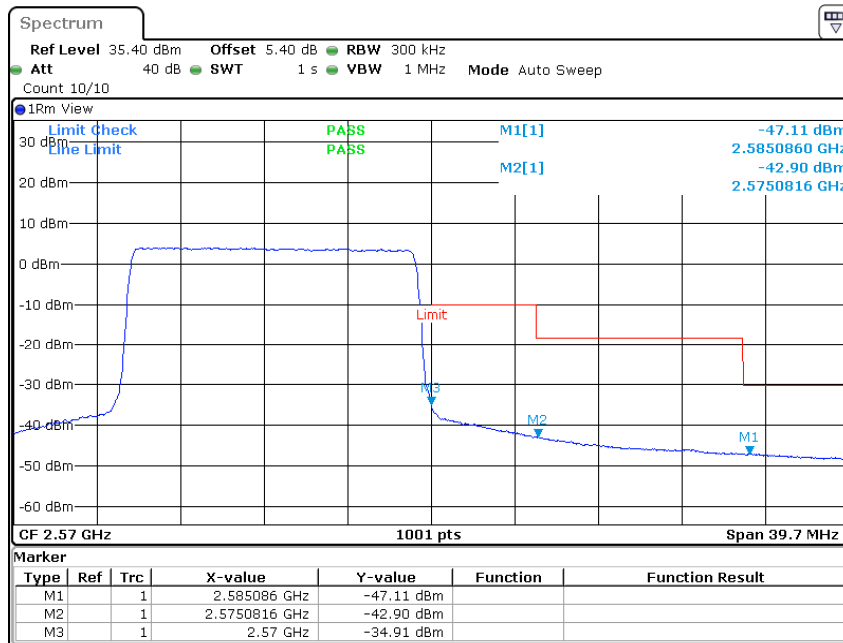
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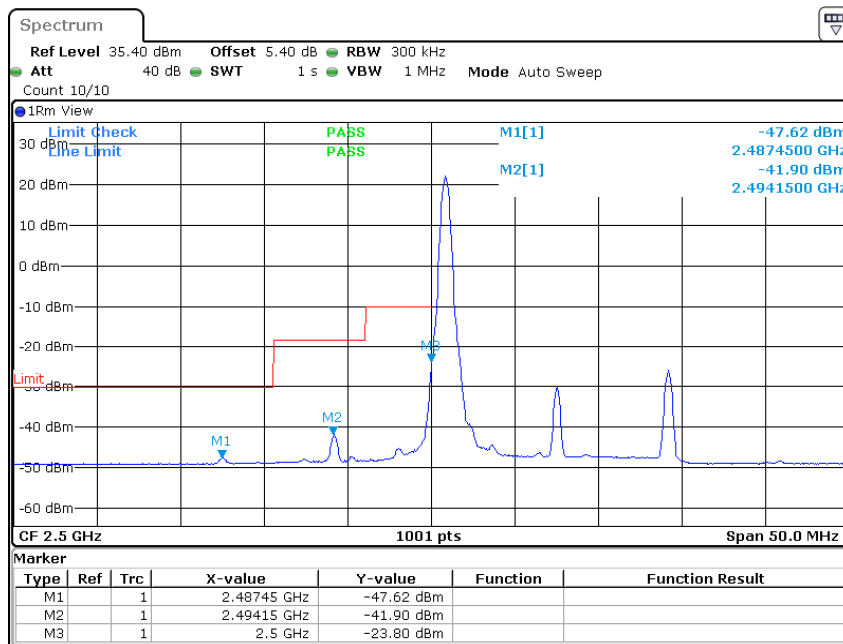
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Band7-15MHz-64QAM-21375-75RB#0



Date: 7.SEP.2020 15:00:18

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

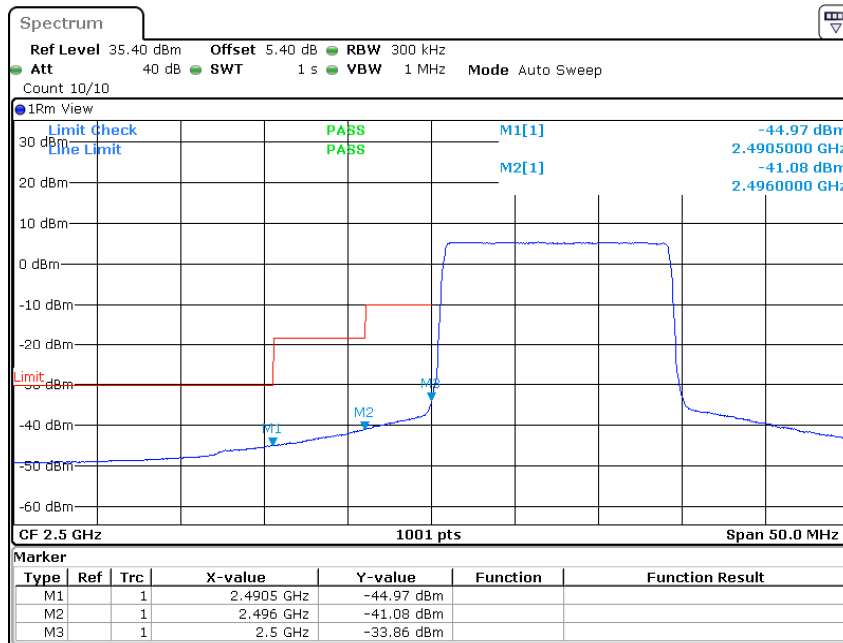


Date: 7.SEP.2020 11:49:04



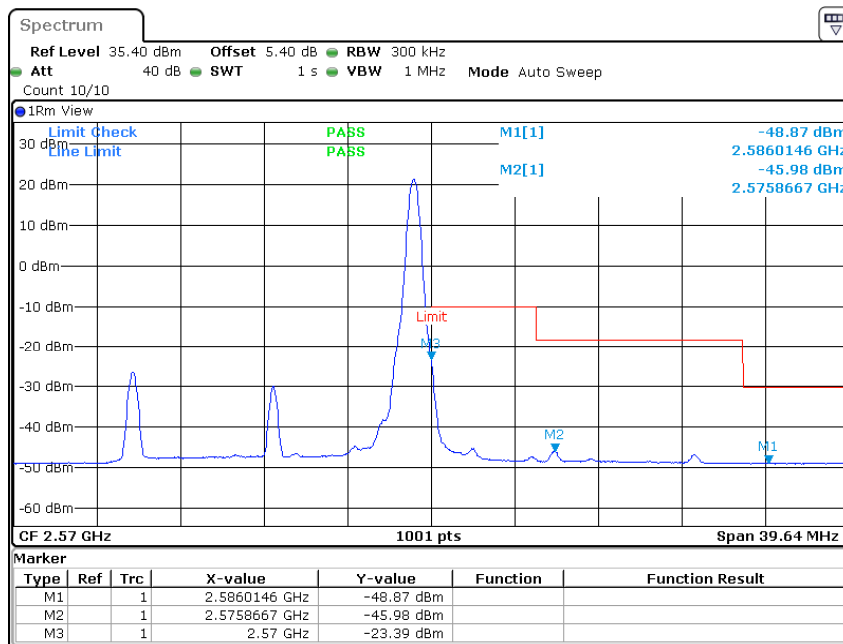
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Band7-15MHz-16QAM-20825-75RB#0



Date: 7.SEP.2020 11:50:38

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



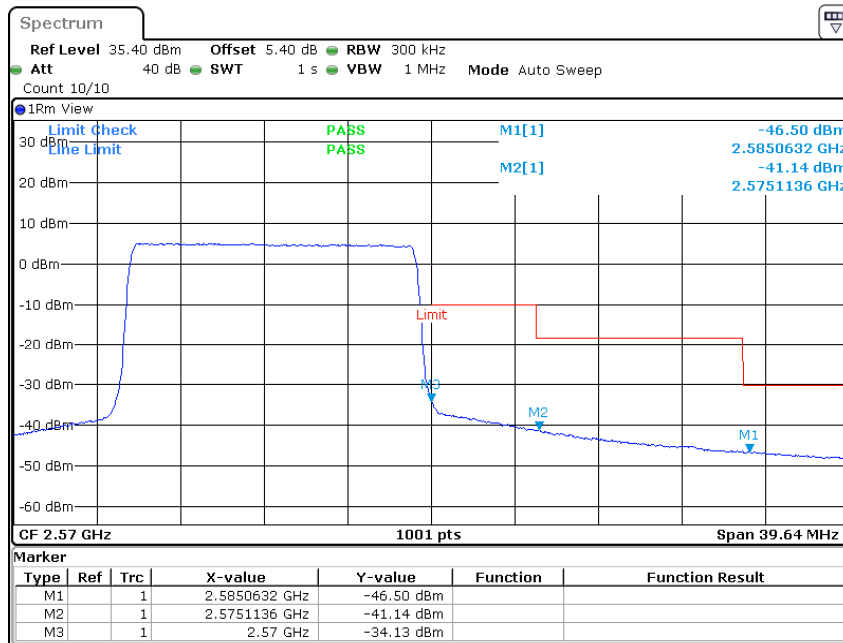
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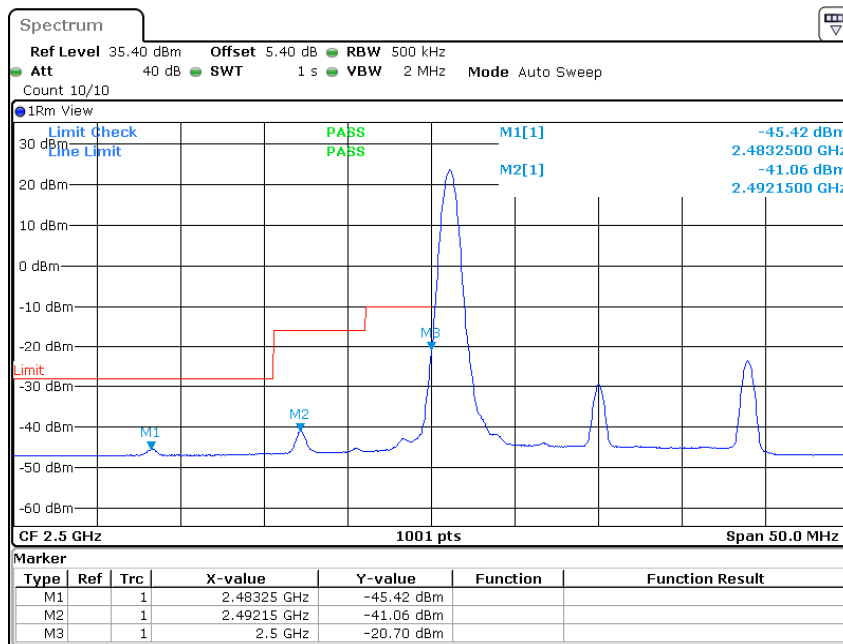
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Date: 7.SEP.2020 11:51:20

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



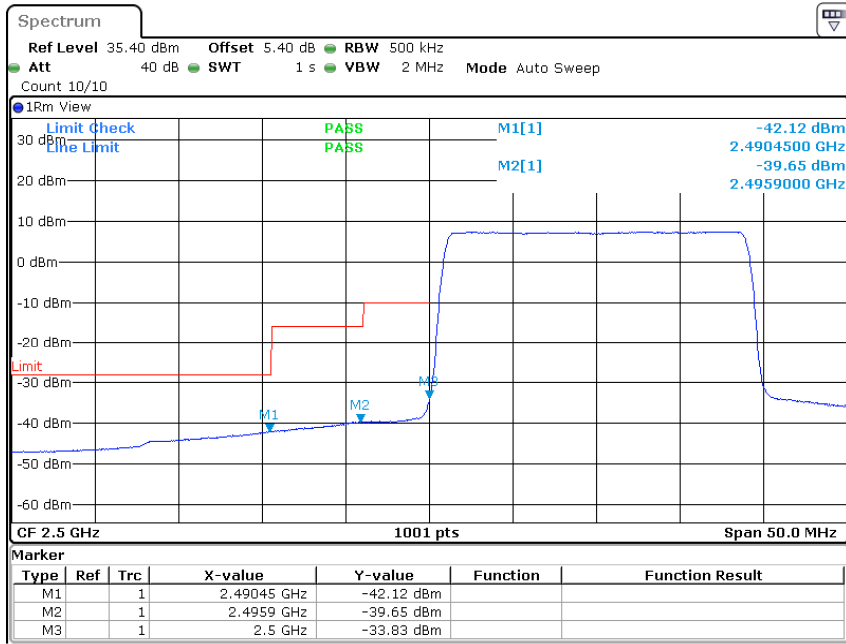
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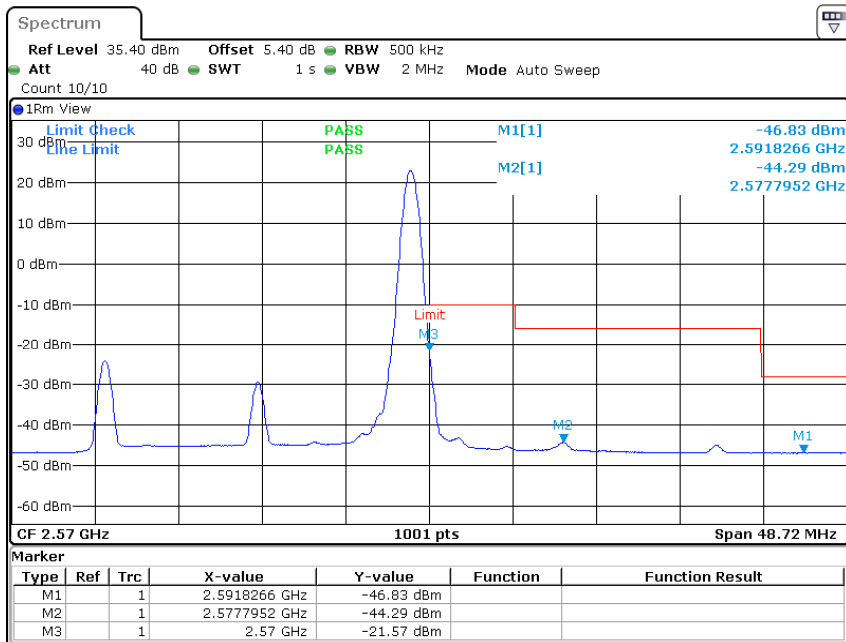
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Band7-20MHz-QPSK-20850-100RB#0



Date: 7.SEP.2020 11:53:21

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



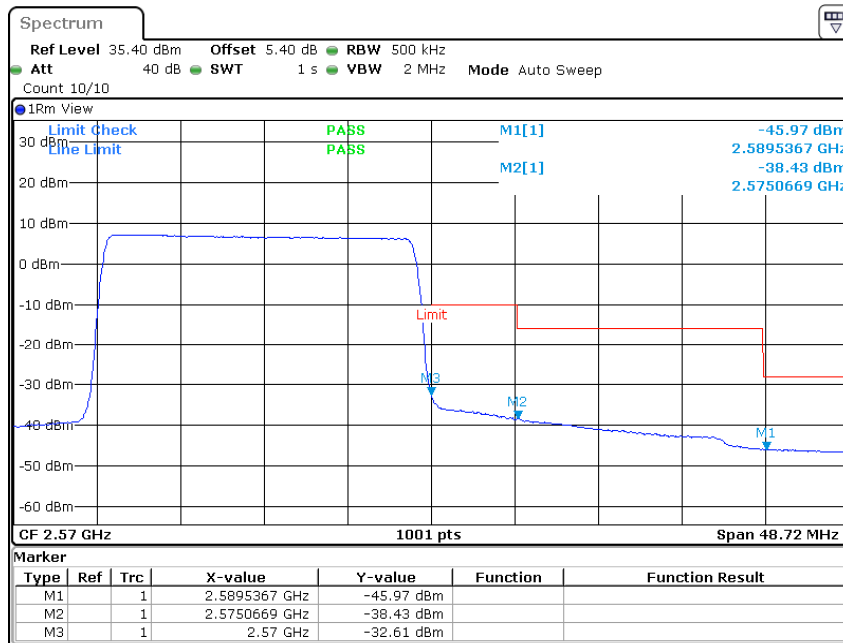
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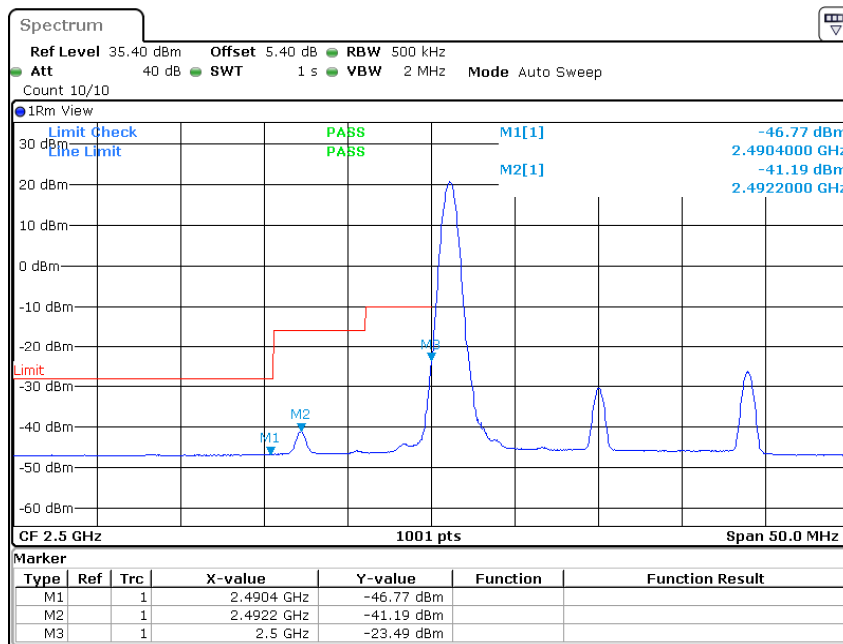
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Band7-20MHz-QPSK-21350-100RB#0



Date: 7.SEP.2020 11:54:04

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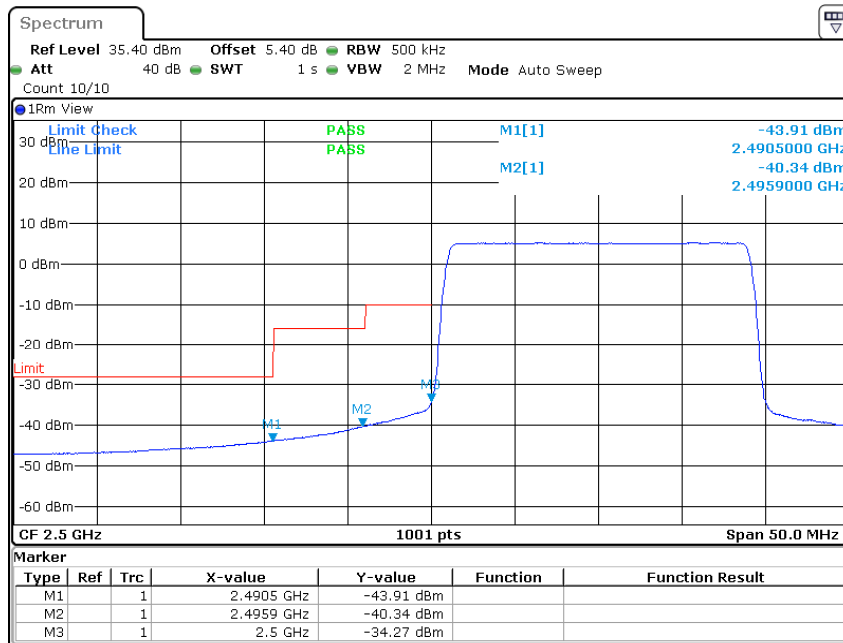
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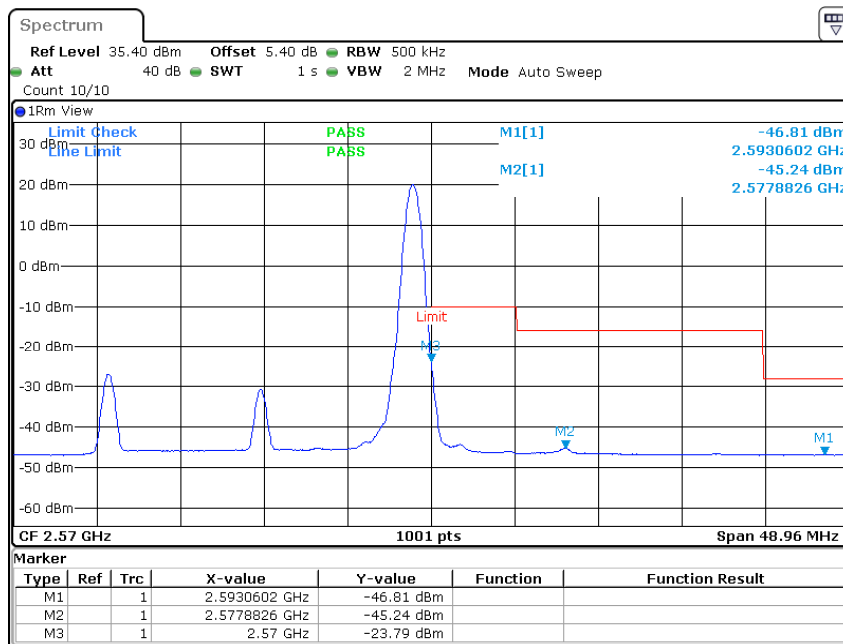
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Band7-20MHz-64QAM-20850-100RB#0



Date: 7.SEP.2020 15:01:42

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



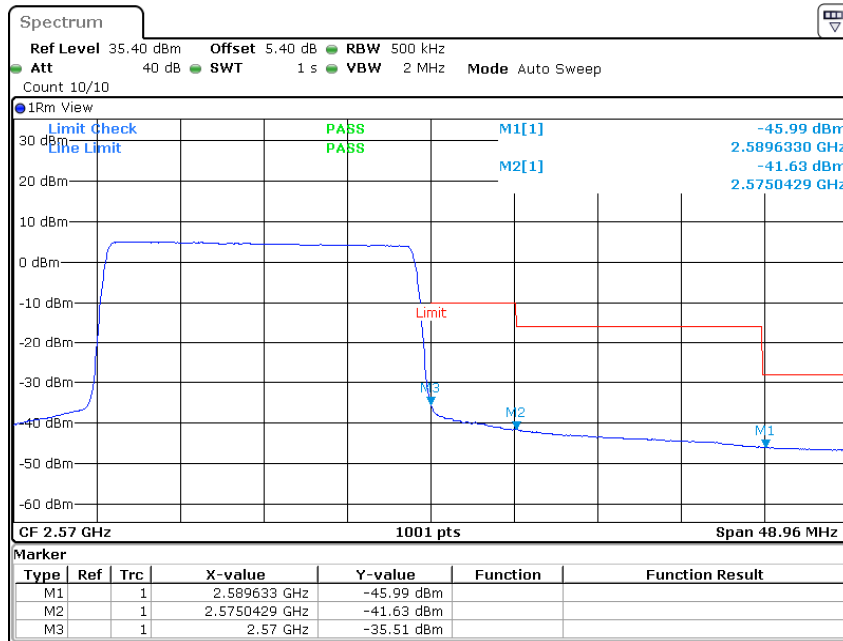
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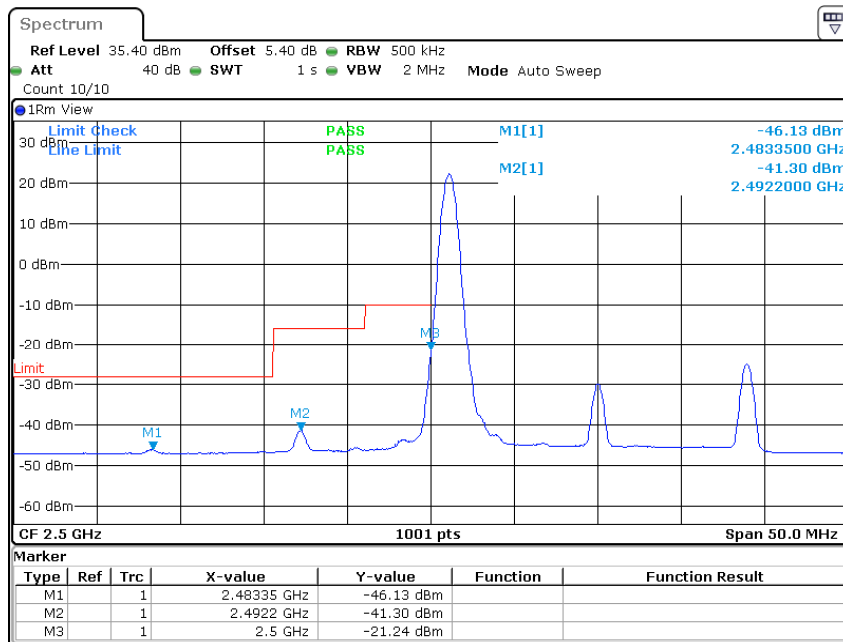
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Date: 7.SEP.2020 15:02:03

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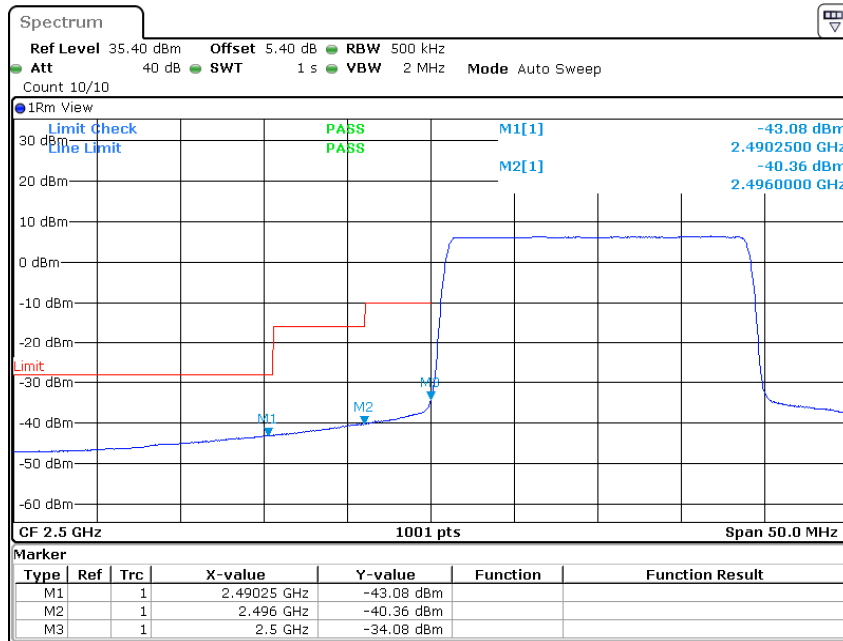
Date: 7.SEP.2020 11:52:09



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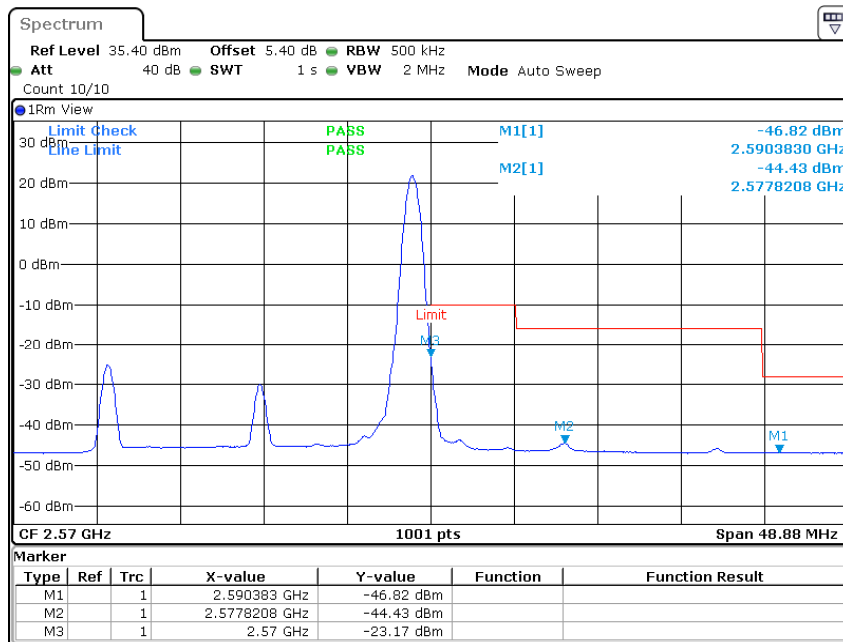
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Band7-20MHz-16QAM-20850-100RB#0



Date: 7.SEP.2020 11:53:43

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

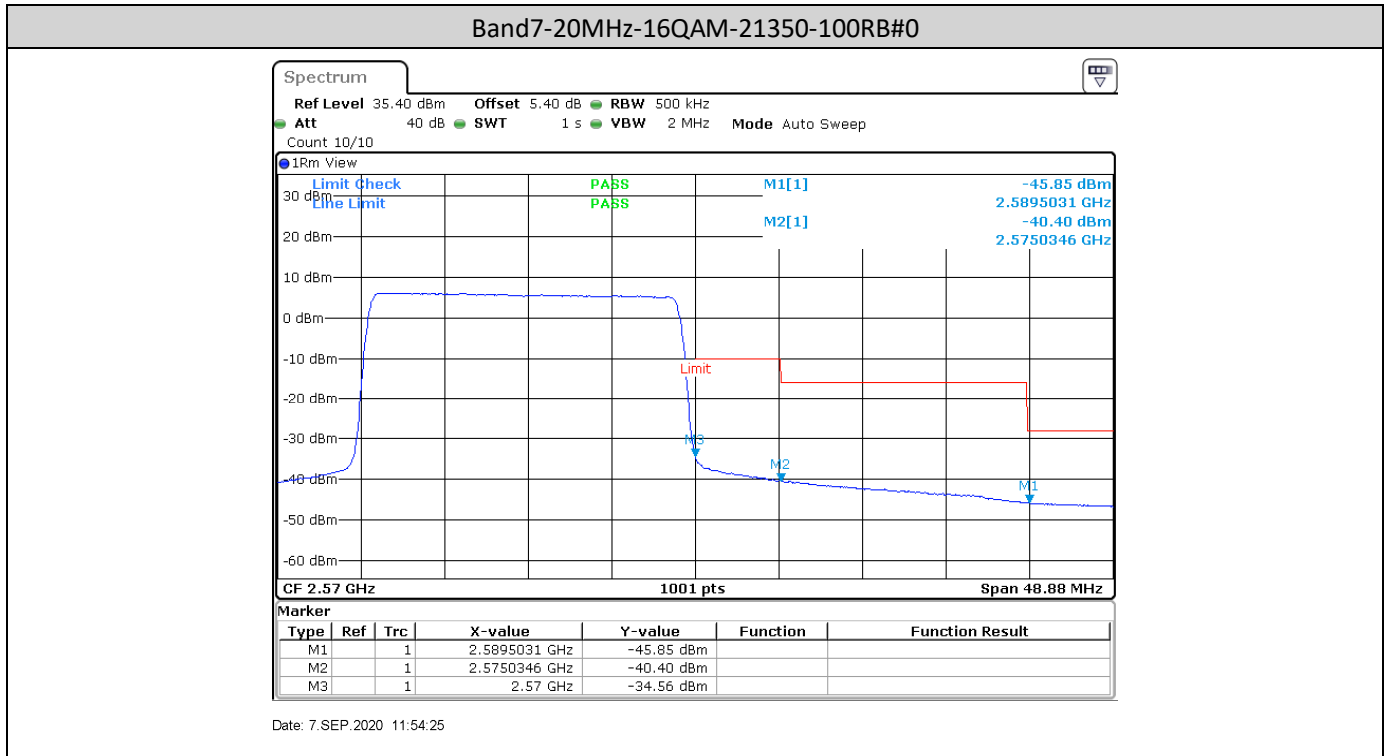


Date: 7.SEP.2020 11:52:55



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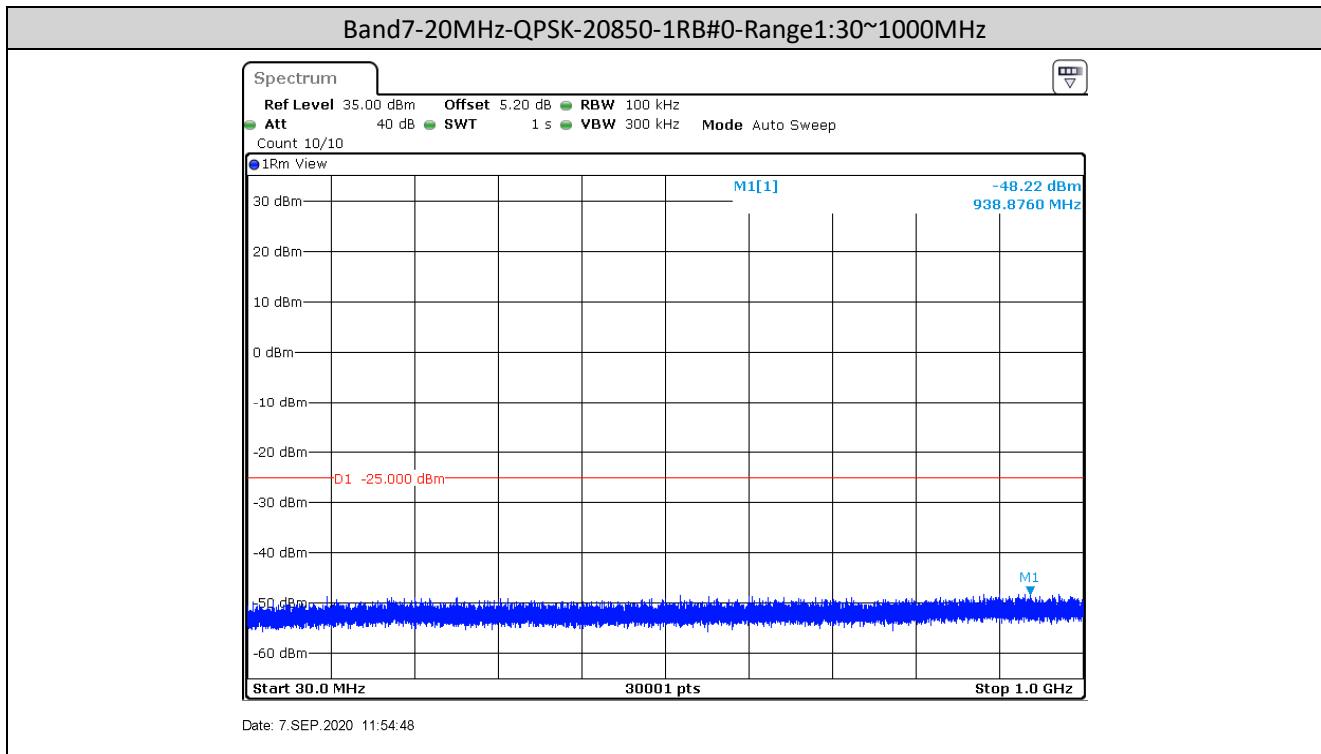
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6. Spurious Emission at Antenna Terminal

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

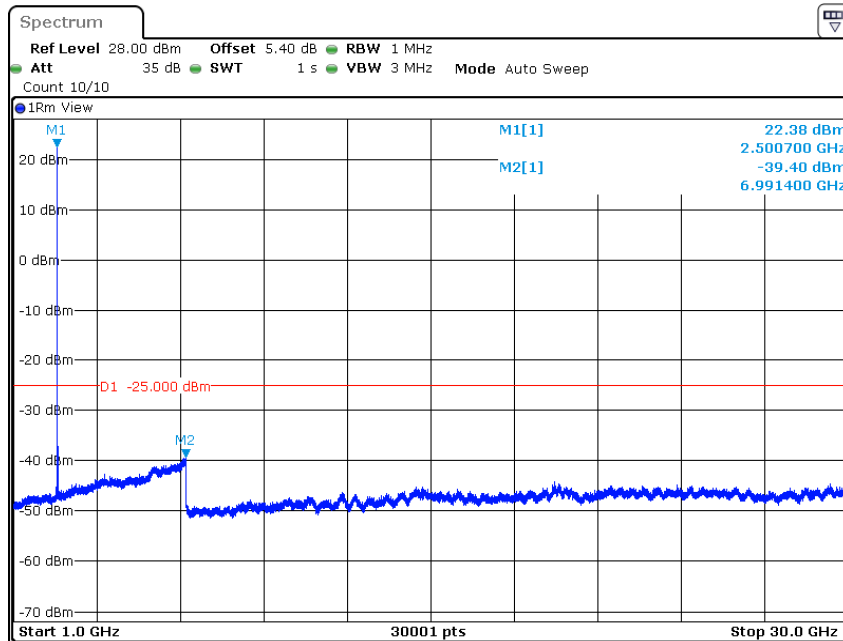
6.1. Test Plots



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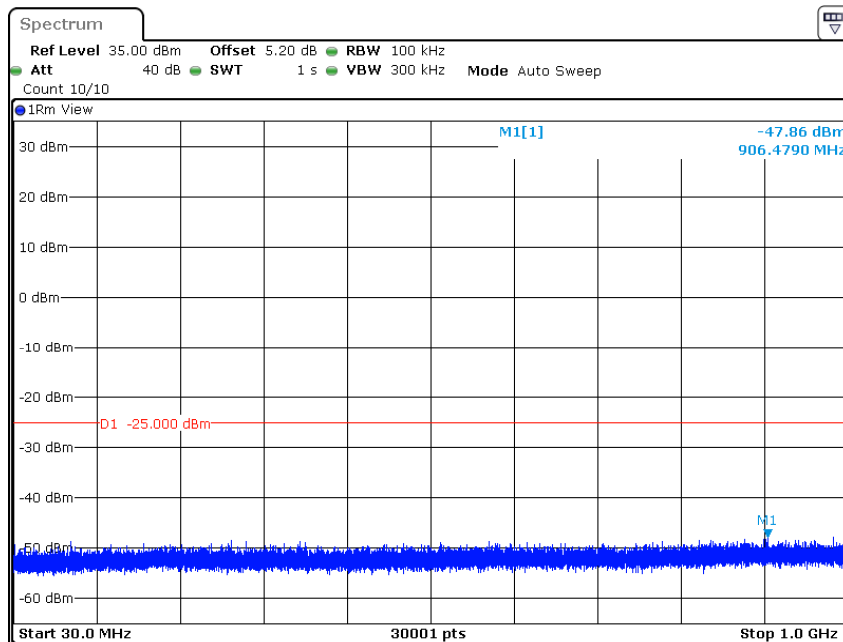
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Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~30000MHz



Date: 7.SEP.2020 11:55:05

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



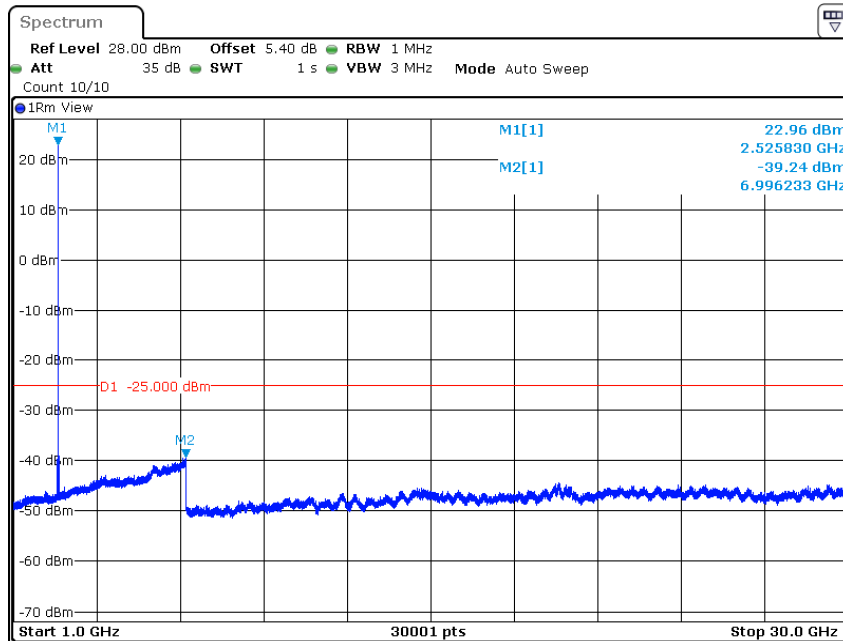
Date: 7.SEP.2020 11:55:58



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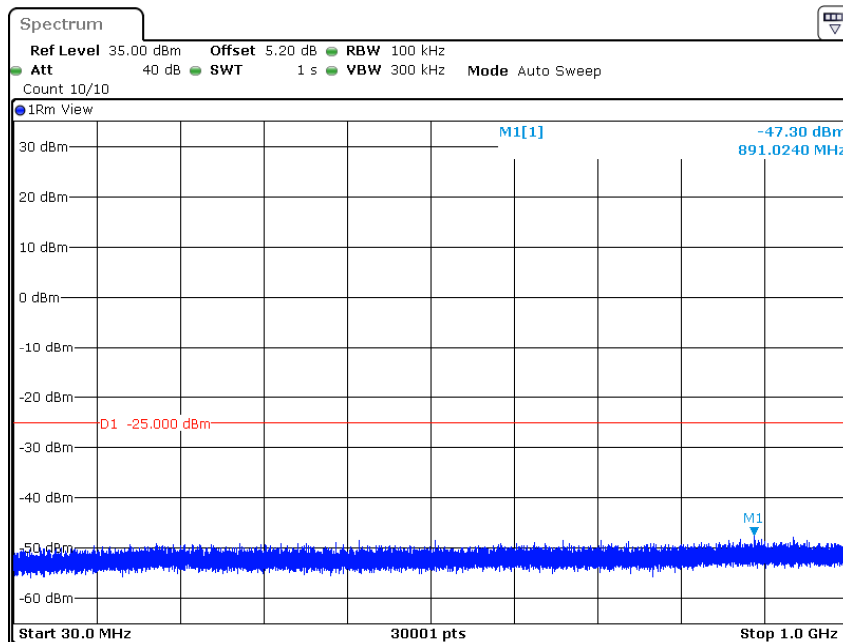
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Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~30000MHz



Date: 7.SEP.2020 11:56:14

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



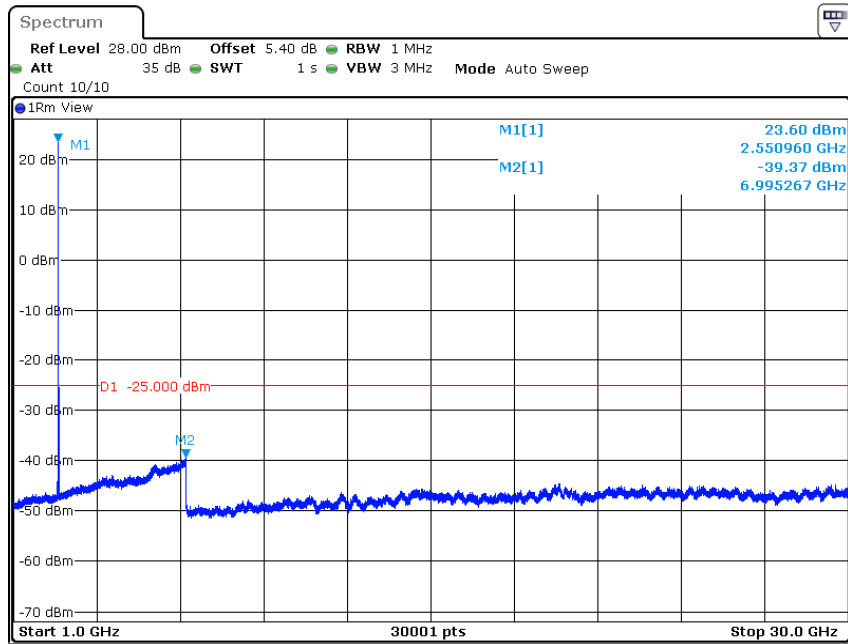
Date: 7.SEP.2020 11:57:08



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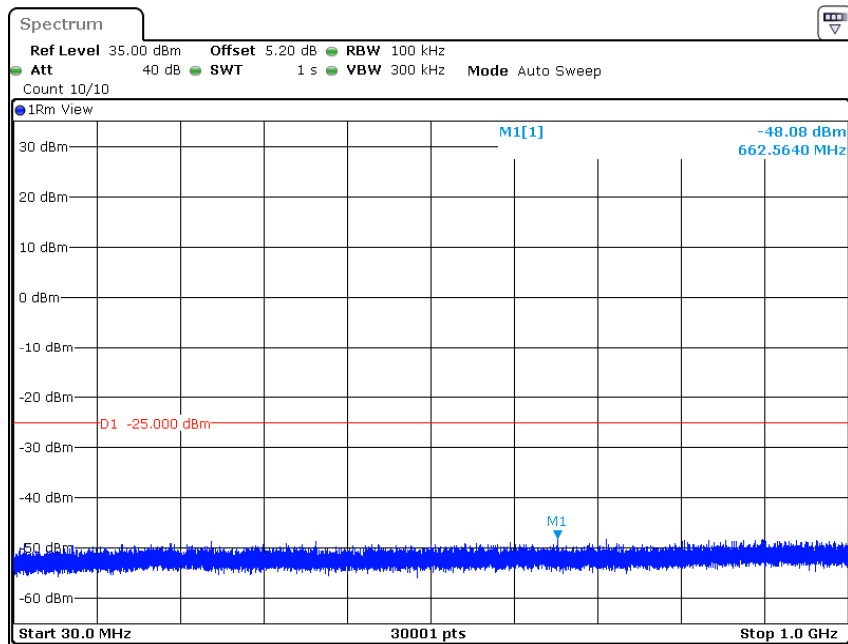
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Band7-20MHz-QPSK-21350-1RB#0-Range2:1000~30000MHz



Date: 7.SEP.2020 11:57:24

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

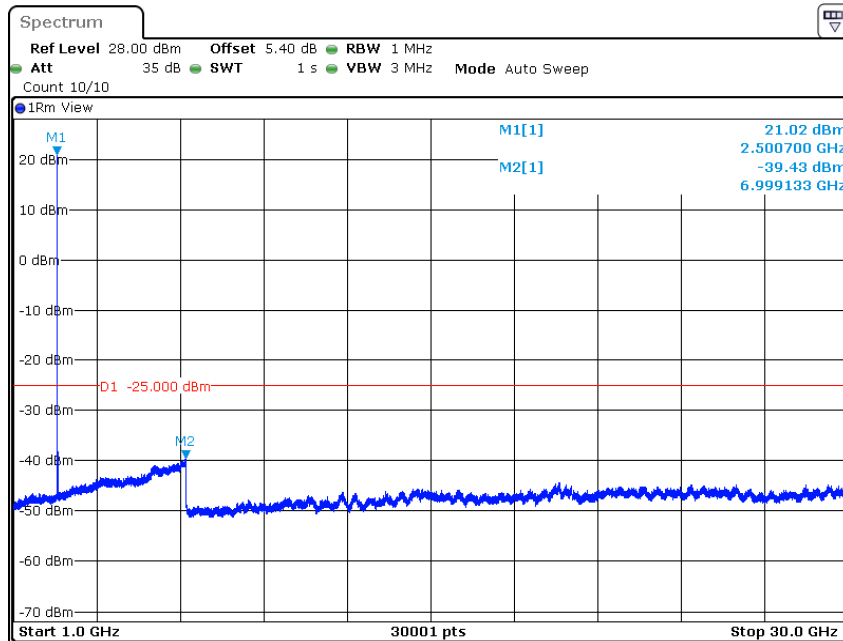


Date: 7.SEP.2020 15:02:27



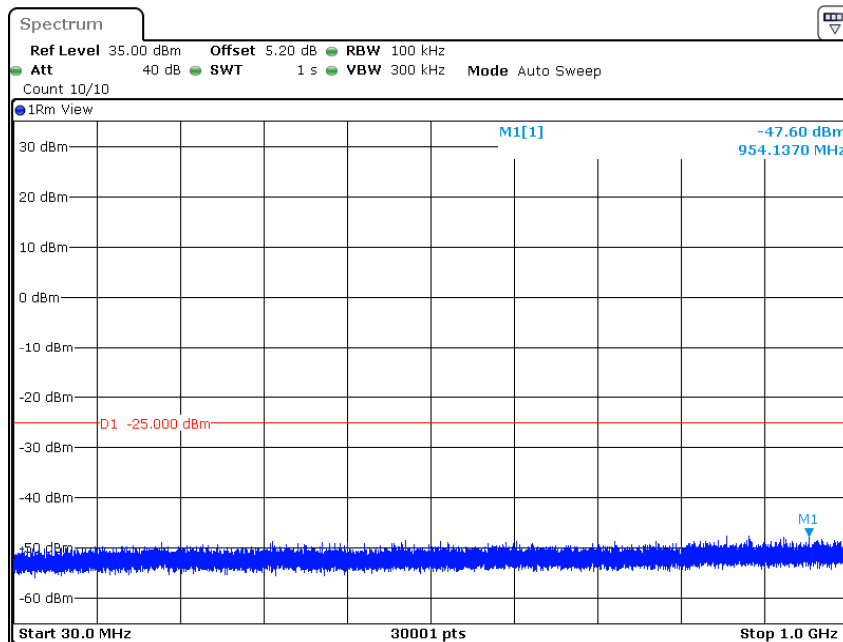
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Band7-20MHz-64QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 7.SEP.2020 15:02:43

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



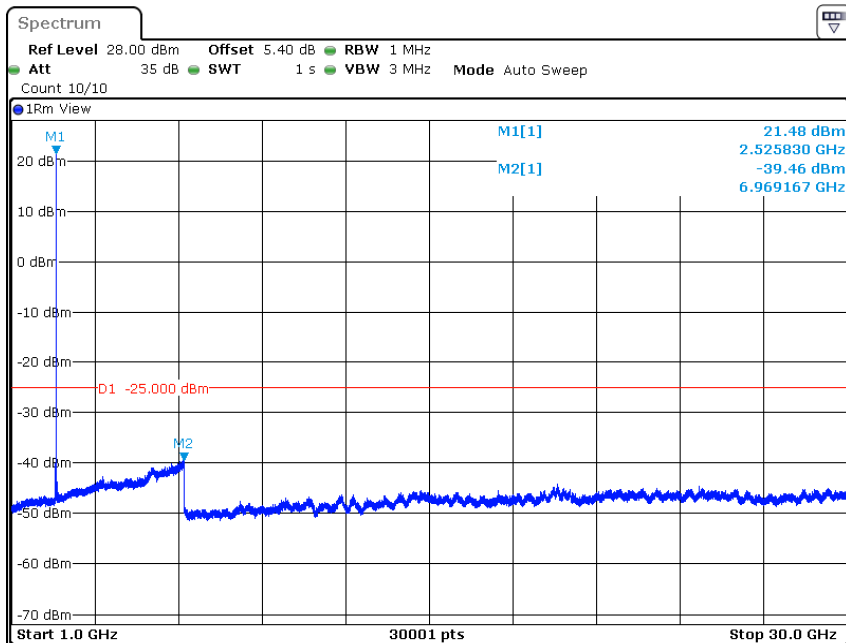
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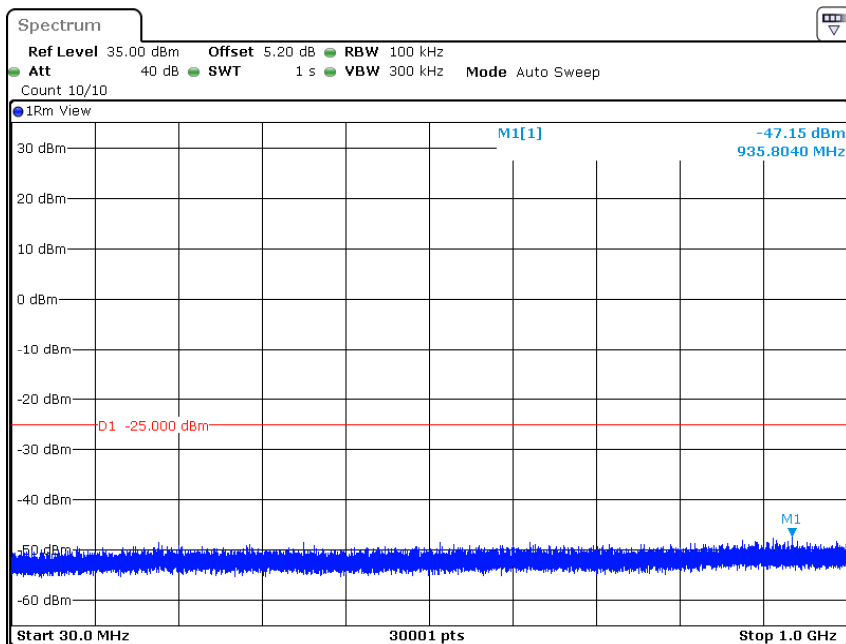
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Band7-20MHz-64QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 7.SEP.2020 15:03:19

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

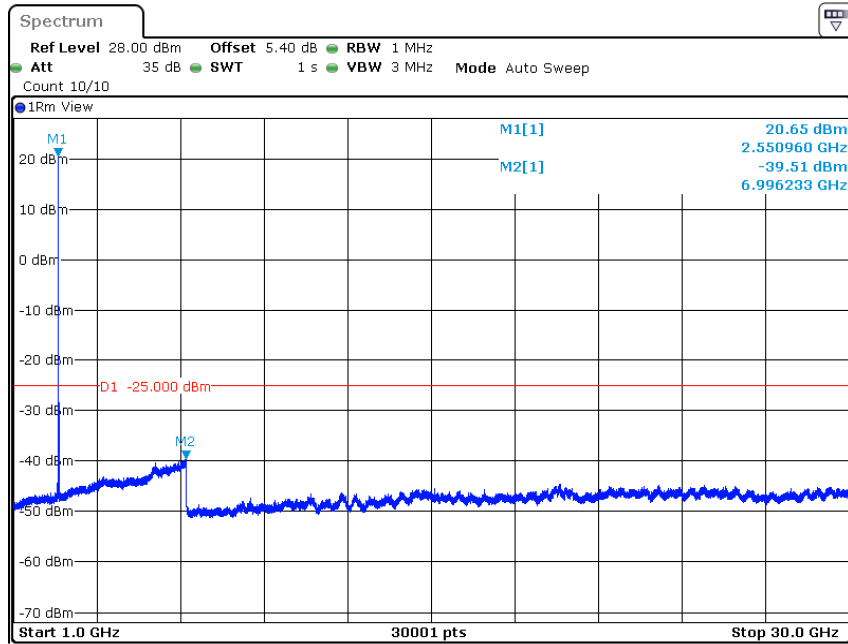


Date: 7.SEP.2020 15:03:37



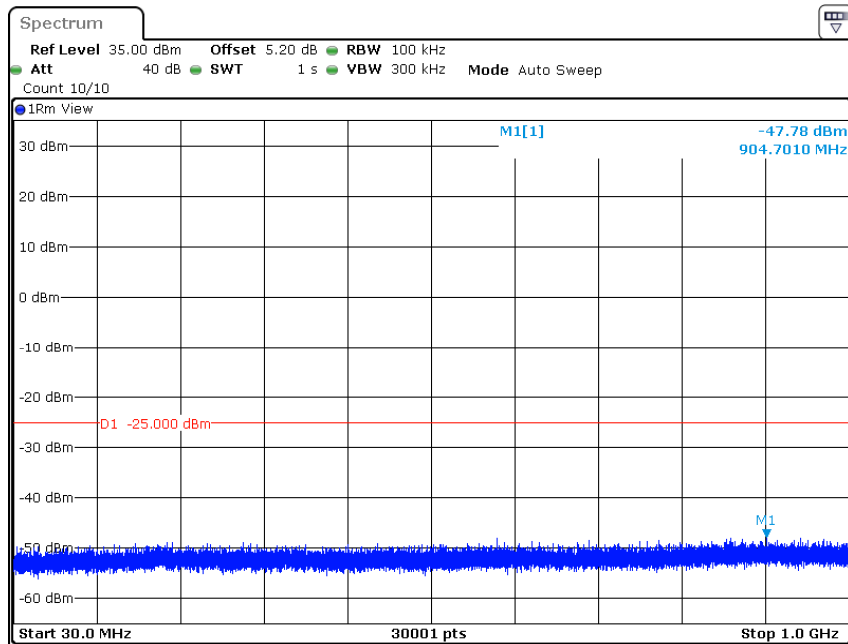
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Band7-20MHz-64QAM-21350-1RB#0-Range2:1000~30000MHz



Date: 7.SEP.2020 15:03:54

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



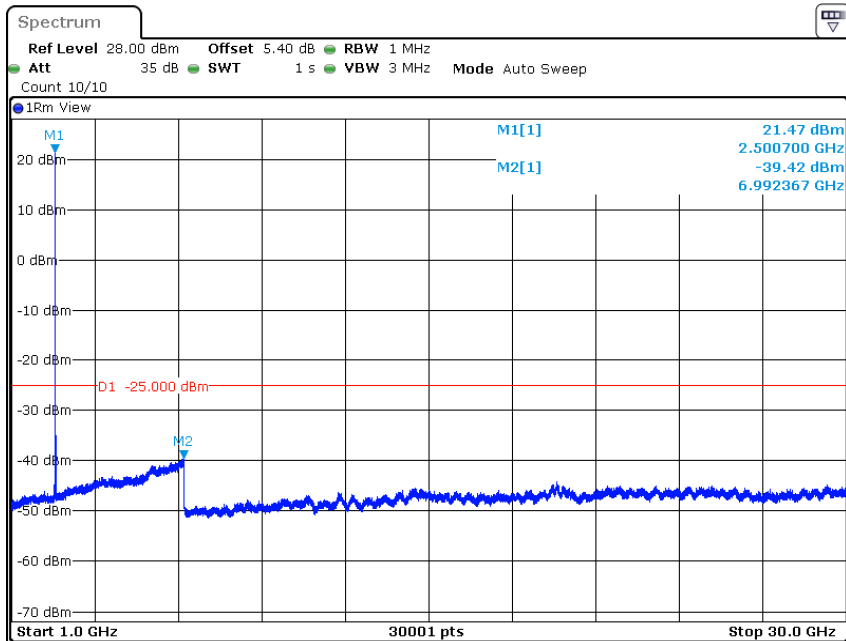
Date: 7.SEP.2020 11:55:23



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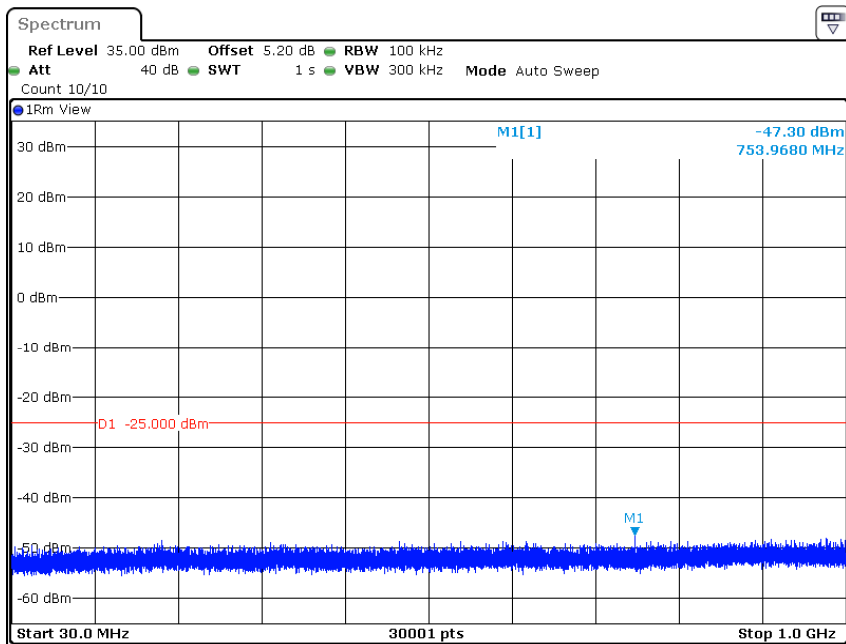
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Band7-20MHz-16QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 7.SEP.2020 11:55:39

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

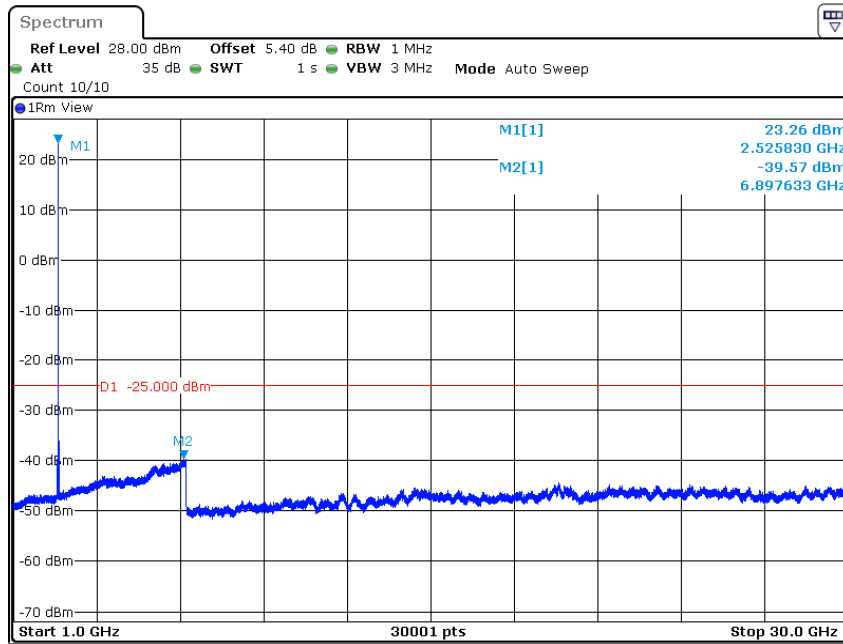


Date: 7.SEP.2020 11:56:33



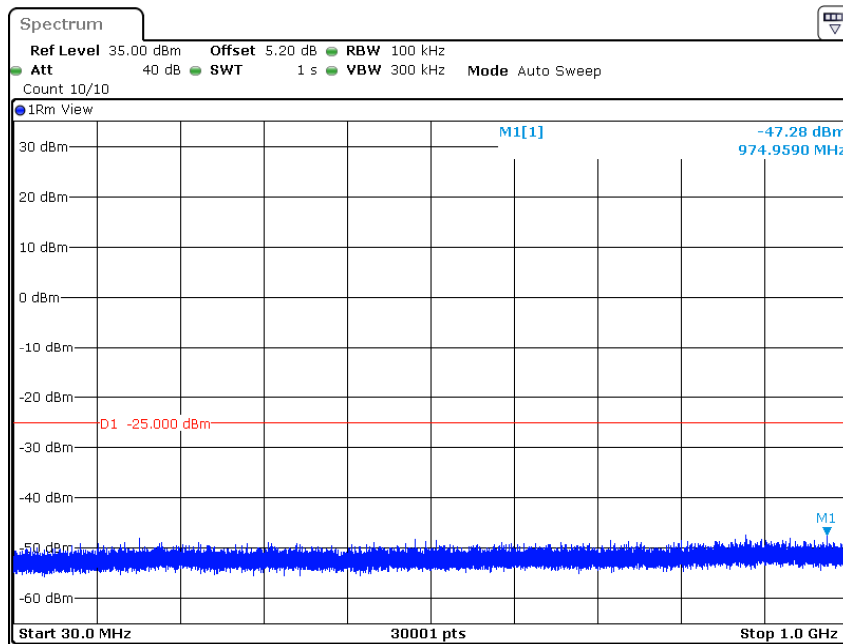
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Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 7.SEP.2020 11:56:49

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

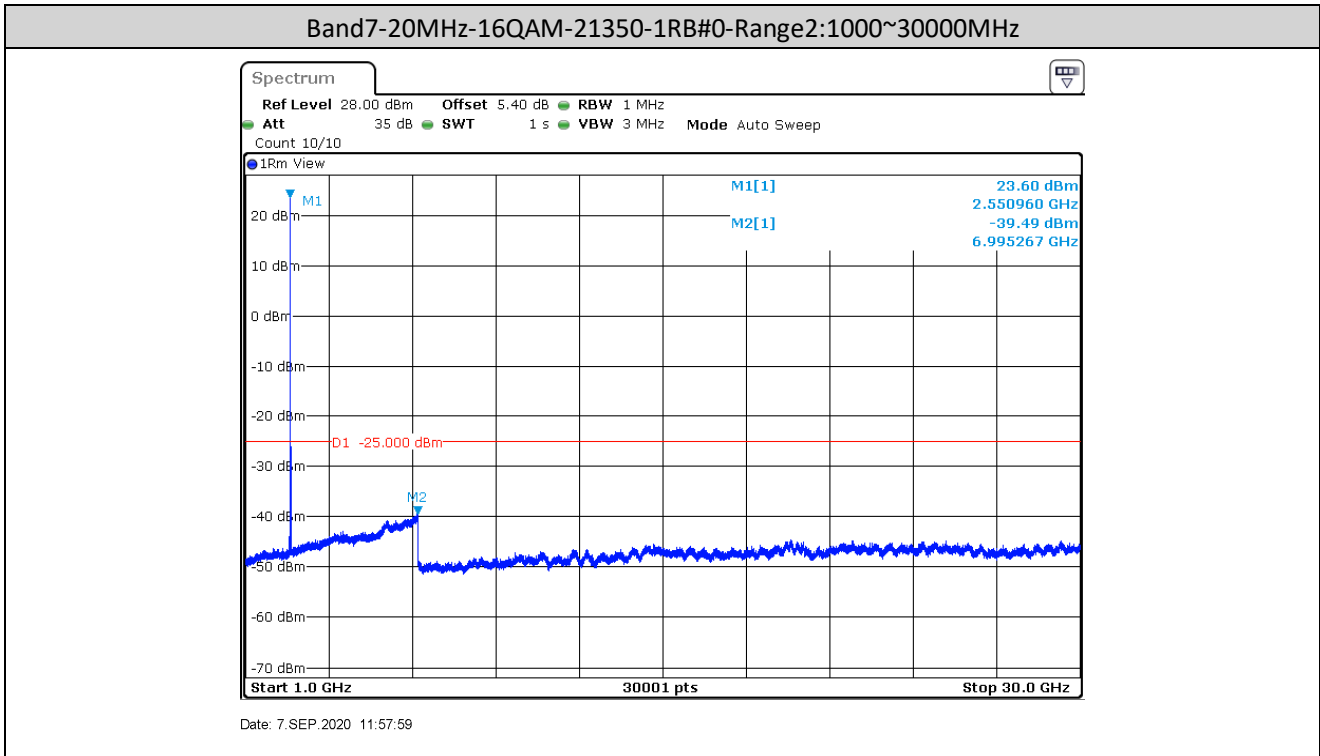


Date: 7.SEP.2020 11:57:43



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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1.20MHz Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
47.5094	-73.94	-25.00	48.94	Vertical
114.7337	-66.26	-25.00	41.26	Vertical
504.4992	-67.06	-25.00	42.06	Vertical
5002.2801	-59.81	-25.00	34.81	Vertical
7503.1801	-56.86	-25.00	31.86	Vertical
17996.3999	-42.32	-25.00	17.32	Vertical
40.3310	-64.75	-25.00	39.75	Horizontal
87.8149	-76.07	-25.00	51.07	Horizontal
230.8970	-68.43	-25.00	43.43	Horizontal
5002.2801	-62.55	-25.00	37.55	Horizontal
7503.1801	-56.93	-25.00	31.93	Horizontal
16391.9357	-45.91	-25.00	20.91	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
52.7476	-73.46	-25.00	48.46	Vertical
108.4284	-65.74	-25.00	40.74	Vertical
600.8735	-64.90	-25.00	39.90	Vertical
5052.0821	-58.44	-25.00	33.44	Vertical
10577.7031	-53.90	-25.00	28.90	Vertical
17995.7998	-42.22	-25.00	17.22	Vertical
43.2897	-65.27	-25.00	40.27	Horizontal
84.8562	-76.42	-25.00	51.42	Horizontal
245.3993	-69.29	-25.00	44.29	Horizontal
5052.0821	-62.77	-25.00	37.77	Horizontal
7578.1831	-57.68	-25.00	32.68	Horizontal
16390.7356	-45.37	-25.00	20.37	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
53.4752	-73.25	-25.00	48.25	Vertical
116.3828	-66.43	-25.00	41.43	Vertical
430.3875	-67.85	-25.00	42.85	Vertical
5101.8841	-60.28	-25.00	35.28	Vertical
8049.2020	-57.43	-25.00	32.43	Vertical
17997.5999	-42.24	-25.00	17.24	Vertical
42.4651	-65.09	-25.00	40.09	Horizontal
80.6850	-76.11	-25.00	51.11	Horizontal
227.8414	-69.26	-25.00	44.26	Horizontal
5102.4841	-63.00	-25.00	38.00	Horizontal
9341.6537	-54.19	-25.00	29.19	Horizontal
16390.7356	-46.01	-25.00	21.01	Horizontal

Test on the worst case:

7.1.4. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
32.4736	-74.68	-25.00	49.68	Vertical
110.2230	-65.67	-25.00	40.67	Vertical
613.9692	-64.19	-25.00	39.19	Vertical
5052.0821	-63.00	-25.00	38.00	Vertical
7578.1831	-55.32	-25.00	30.32	Vertical
17998.1999	-42.70	-25.00	17.70	Vertical
42.7076	-64.31	-25.00	39.31	Horizontal
98.7764	-75.65	-25.00	50.65	Horizontal
232.6431	-69.49	-25.00	44.49	Horizontal
3906.6363	-63.02	-25.00	38.02	Horizontal
7578.1831	-56.39	-25.00	31.39	Horizontal
16390.7356	-46.04	-25.00	21.04	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	6.20	0.002470	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	6.70	0.002669	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	7.90	0.003147	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	1.70	0.000671	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-3.10	-0.001223	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-10.40	-0.004103	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	3.40	0.001328	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-3.60	-0.001406	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-1.50	-0.000586	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VL	NT	0.60	0.000239	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VN	NT	1.50	0.000598	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VH	NT	1.90	0.000757	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VL	NT	1.80	0.000710	±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	-1.00	-0.000394	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VL	NT	-1.40	-0.000547	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VN	NT	7.90	0.003086	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VH	NT	-3.00	-0.001172	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	5.70	0.002271	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	4.30	0.001713	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	5.20	0.002072	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-3.20	-0.001262	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-1.10	-0.000434	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-6.20	-0.002446	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	-0.50	-0.000195	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	7.70	0.003008	±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	2.50	0.000996	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	1.10	0.000438	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	6.70	0.002669	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	0.80	0.000319	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-1.30	-0.000518	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	-1.70	-0.000677	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	-2.90	-0.001155	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	6.20	0.002470	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	5.30	0.002112	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	0.20	0.000079	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	4.40	0.001736	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-7.40	-0.002919	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-9.00	-0.003550	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	1.10	0.000434	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-3.20	-0.001262	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	0.10	0.000039	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	0.40	0.000158	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-3.30	-0.001302	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	3.80	0.001484	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	2.20	0.000859	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	-2.40	-0.000938	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-3.90	-0.001523	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	4.90	0.001914	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	5.20	0.002031	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	7.50	0.002930	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	1.60	0.000625	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	4.20	0.001641	±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	4.10	0.001633	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-10	5.70	0.002271	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	0	-3.20	-0.001275	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	10	0.70	0.000279	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	20	-3.10	-0.001235	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	30	6.10	0.002430	±2.5	PASS



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Band7	20MHz	64QAM	20850	100RB#0	NV	40	0.00	0.000000	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	50	12.60	0.005020	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-30	2.60	0.001026	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-20	1.20	0.000473	±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	-2.30	-0.000907	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	10	-5.00	-0.001972	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	20	-3.00	-0.001183	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	30	-4.90	-0.001933	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	40	-3.60	-0.001420	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	50	-0.30	-0.000118	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-30	7.20	0.002813	±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	-4.10	-0.001602	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	0	2.30	0.000898	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	10	-7.80	-0.003047	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	20	-2.50	-0.000977	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	30	1.50	0.000586	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	40	-4.10	-0.001602	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	50	6.10	0.002383	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	6.30	0.002510	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	-0.70	-0.000279	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-10	12.70	0.005060	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	6.30	0.002510	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	4.70	0.001873	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	5.40	0.002151	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	30	-2.50	-0.000996	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	6.50	0.002590	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	4.90	0.001952	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	-3.60	-0.001420	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-4.00	-0.001578	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-10	-3.30	-0.001302	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-1.40	-0.000552	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	1.00	0.000394	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	0.80	0.000316	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	-4.00	-0.001578	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	3.10	0.001223	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	-0.30	-0.000118	±2.5	PASS



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Band7	20MHz	16QAM	21350	100RB#0	NV	-30	2.90	0.001133	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	3.80	0.001484	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-10	-6.20	-0.002422	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	0.30	0.000117	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	-3.70	-0.001445	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	0.50	0.000195	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	5.00	0.001953	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	7.50	0.002930	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	-1.80	-0.000703	±2.5	PASS



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