



Appendix B

E-UTRA Band 7



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth h	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.45	22.45	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#13	23.41	22.41	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.32	22.32	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.33	21.33	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.34	21.34	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.59	21.59	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.35	21.35	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.23	22.23	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#13	23.33	22.33	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.58	22.58	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.30	21.30	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.48	21.48	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#13	22.35	21.35	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.27	21.27	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.27	22.27	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#13	23.27	22.27	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.39	22.39	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#0	22.29	21.29	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.18	21.18	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#13	22.24	21.24	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.31	21.31	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	21.43	20.43	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#13	21.48	20.48	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	21.37	20.37	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#0	20.68	19.68	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#6	20.62	19.62	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#13	20.38	19.38	33.00	PASS



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Band7	5MHz	64QAM	20775	25RB#0	20.40	19.40	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	21.35	20.35	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#13	21.32	20.32	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	21.30	20.30	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#0	20.48	19.48	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#6	20.64	19.64	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#13	20.34	19.34	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	20.54	19.54	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	21.35	20.35	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#13	21.32	20.32	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	21.42	20.42	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#0	20.31	19.31	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#6	20.39	19.39	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#13	20.41	19.41	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	20.47	19.47	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.69	21.69	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#13	22.62	21.62	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.77	21.77	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#0	21.33	20.33	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.40	20.40	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.35	20.35	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.58	20.58	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.48	21.48	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#13	22.66	21.66	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.69	21.69	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#0	21.30	20.30	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.57	20.57	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.38	20.38	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.39	20.39	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.55	21.55	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#13	22.61	21.61	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.78	21.78	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#0	21.47	20.47	33.00	PASS



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Band7	5MHz	16QAM	21425	12RB#6	21.30	20.30	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#13	21.38	20.38	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.48	20.48	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.36	22.36	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#25	23.40	22.40	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.36	22.36	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.39	21.39	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#13	22.40	21.40	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.64	21.64	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.38	21.38	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.30	22.30	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#25	23.46	22.46	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.66	22.66	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.35	21.35	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#13	22.43	21.43	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.49	21.49	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.35	21.35	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.37	22.37	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#25	23.29	22.29	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.47	22.47	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.29	21.29	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#13	22.35	21.35	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.42	21.42	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.33	21.33	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	21.41	20.41	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#25	21.57	20.57	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	21.52	20.52	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#0	21.42	20.42	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#13	20.77	19.77	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#25	20.45	19.45	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	20.47	19.47	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	21.46	20.46	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#25	21.40	20.40	33.00	PASS



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Band7	10MHz	64QAM	21100	1RB#49	21.34	20.34	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#0	20.54	19.54	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#13	20.60	19.60	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#25	20.44	19.44	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	20.60	19.60	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	21.41	20.41	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#25	21.60	20.60	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	21.50	20.50	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#0	20.40	19.40	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#13	20.45	19.45	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#25	20.49	19.49	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.79	19.79	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.60	21.60	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#25	22.74	21.74	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.85	21.85	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.44	20.44	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#13	21.46	20.46	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.47	20.47	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.61	20.61	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.63	21.63	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#25	22.74	21.74	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.74	21.74	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.46	20.46	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#13	21.44	20.44	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.44	20.44	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.46	20.46	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.66	21.66	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#25	22.57	21.57	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.73	21.73	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.54	20.54	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#13	21.38	20.38	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.50	20.50	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.40	20.40	33.00	PASS



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Band7	15MHz	QPSK	20825	1RB#0	23.43	22.43	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.56	22.56	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.44	22.44	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#0	22.48	21.48	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#18	22.45	21.45	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#39	22.57	21.57	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.48	21.48	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.38	22.38	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.52	22.52	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.65	22.65	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#0	22.42	21.42	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#18	22.54	21.54	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#39	22.48	21.48	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.45	21.45	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.42	22.42	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.33	22.33	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.52	22.52	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#0	22.42	21.42	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#18	22.38	21.38	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#39	22.43	21.43	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.39	21.39	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	21.43	20.43	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	21.64	20.64	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	21.58	20.58	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#0	20.35	19.35	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#18	20.63	19.63	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#39	20.54	19.54	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	20.51	19.51	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	21.46	20.46	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	21.51	20.51	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	21.45	20.45	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#0	20.65	19.65	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#18	20.64	19.64	33.00	PASS



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Band7	15MHz	64QAM	21100	36RB#39	20.52	19.52	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	20.34	19.34	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	21.45	20.45	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#38	21.38	20.38	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	21.59	20.59	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#0	20.48	19.48	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#18	20.53	19.53	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#39	20.56	19.56	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	20.43	19.43	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.59	21.59	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.66	21.66	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.65	21.65	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#0	21.35	20.35	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#18	21.49	20.49	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#39	21.46	20.46	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.40	20.40	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.56	21.56	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.71	21.71	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.70	21.70	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#0	21.42	20.42	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#18	21.44	20.44	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#39	21.44	20.44	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.48	20.48	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.63	21.63	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.57	21.57	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.69	21.69	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#0	21.33	20.33	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#18	21.34	20.34	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#39	21.49	20.49	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.37	20.37	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.51	22.51	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#50	23.61	22.61	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.54	22.54	33.00	PASS



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Band7	20MHz	QPSK	20850	50RB#0	22.53	21.53	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#25	22.54	21.54	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.63	21.63	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.57	21.57	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.49	22.49	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#50	23.57	22.57	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.70	22.70	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.53	21.53	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.60	21.60	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.59	21.59	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.56	21.56	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.51	22.51	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#50	23.42	22.42	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.62	22.62	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.49	21.49	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.46	21.46	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.54	21.54	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.50	21.50	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	21.53	20.53	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#50	21.74	20.74	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	21.65	20.65	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#0	20.42	19.42	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#25	20.72	19.72	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#50	20.60	19.60	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	20.62	19.62	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	21.57	20.57	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#50	21.60	20.60	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	21.50	20.50	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#0	20.72	19.72	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#25	20.74	19.74	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#50	20.62	19.62	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	20.44	19.44	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#0	21.55	20.55	33.00	PASS



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Band7	20MHz	64QAM	21350	1RB#50	21.47	20.47	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	21.66	20.66	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#0	20.57	19.57	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#25	20.61	19.61	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#50	20.64	19.64	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	20.48	19.48	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.77	21.77	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#50	22.86	21.86	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.81	21.81	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.55	20.55	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.64	20.64	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.65	20.65	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.61	20.61	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.74	21.74	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#50	22.88	21.88	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.89	21.89	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.59	20.59	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.63	20.63	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#50	21.62	20.62	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.63	20.63	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.83	21.83	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#50	22.78	21.78	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.90	21.90	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.52	20.52	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.55	20.55	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.64	20.64	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.57	20.57	33.00	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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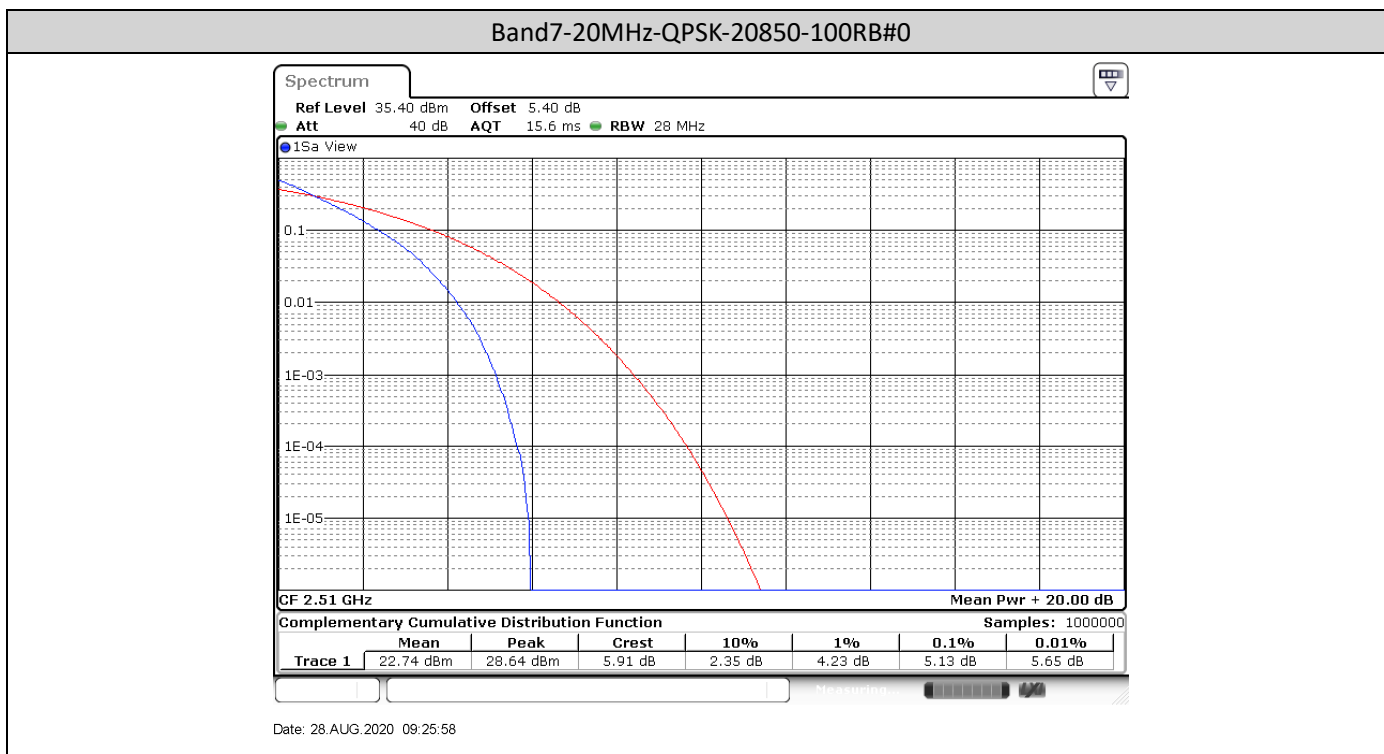


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

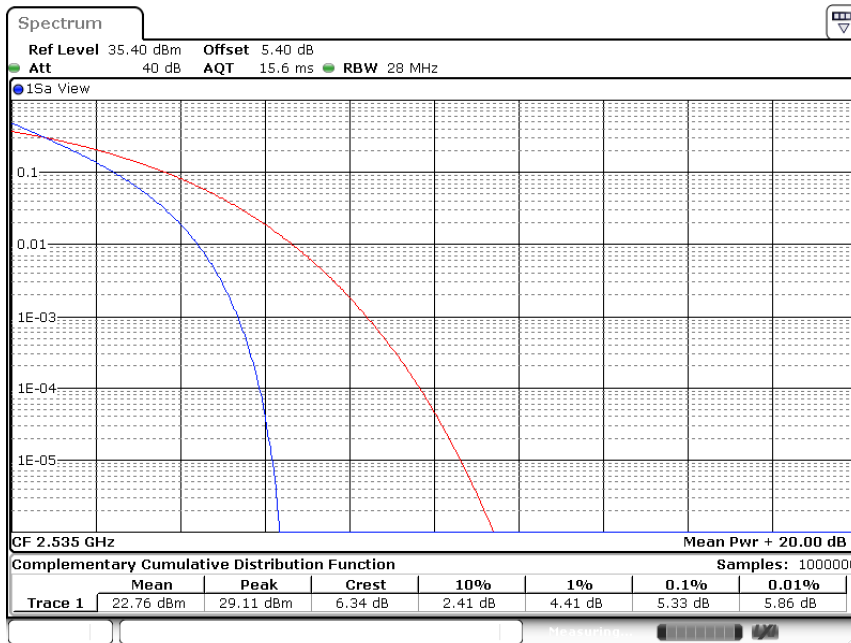
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.13	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.33	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.57	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.35	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.55	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.90	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.00	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.20	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.46	13	PASS

2.2. Test Plots



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



Date: 28.AUG.2020 09:26:20

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



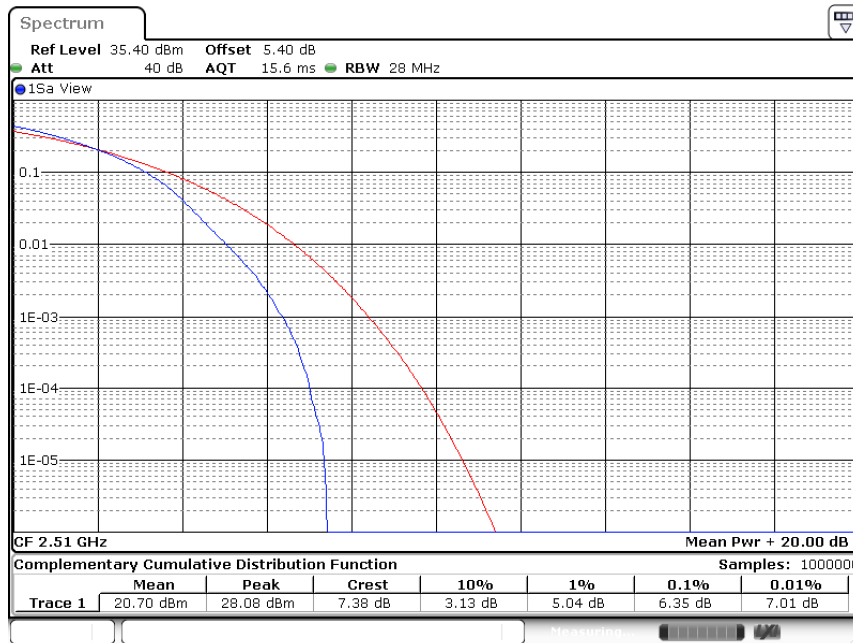
Date: 28.AUG.2020 09:26:42



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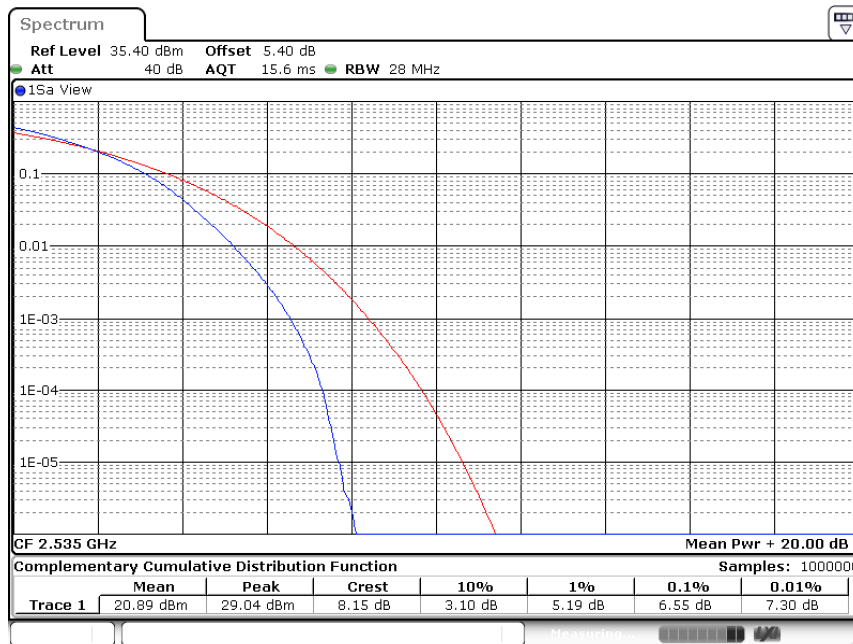
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Band7-20MHz-64QAM-20850-100RB#0



Date: 28.AUG.2020 10:08:25

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



Date: 28.AUG.2020 10:08:36



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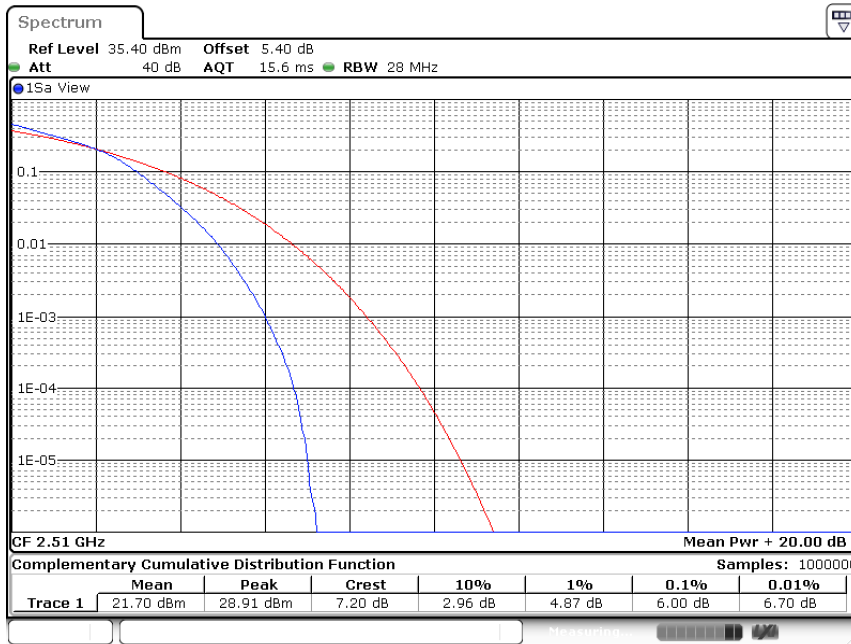
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Band7-20MHz-64QAM-21350-100RB#0



Date: 28.AUG.2020 10:08:48

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



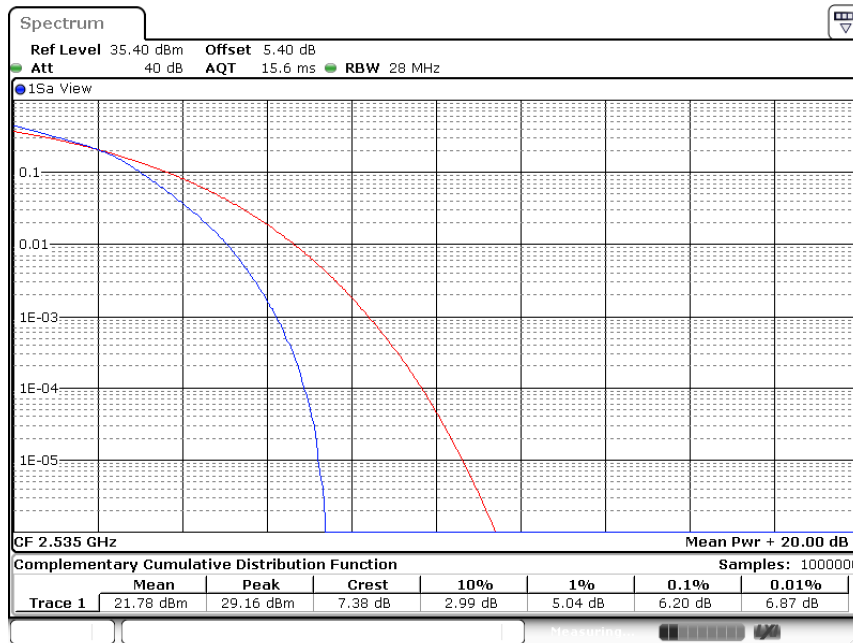
Date: 28.AUG.2020 09:26:09



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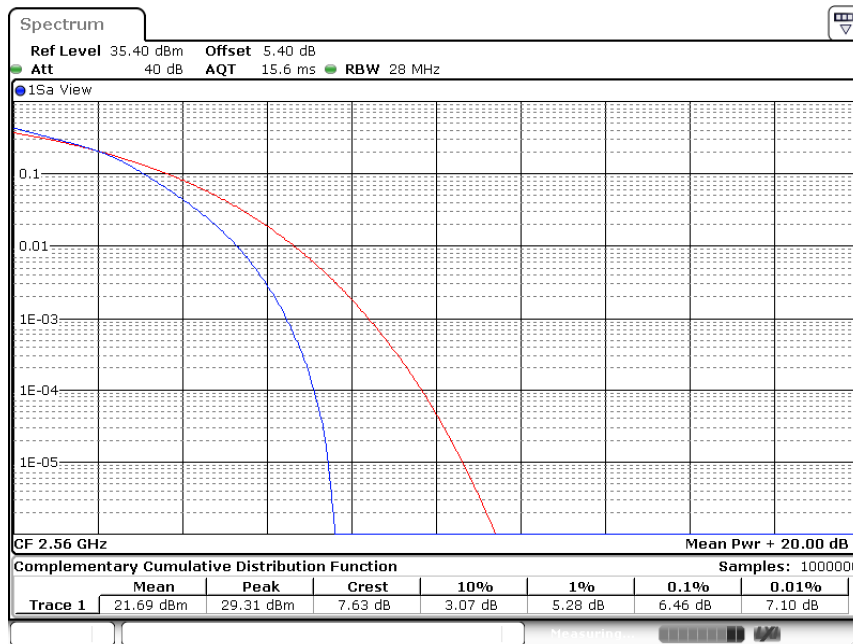
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Band7-20MHz-16QAM-21100-100RB#0



Date: 28.AUG.2020 09:26:31

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



Date: 28.AUG.2020 09:26:53



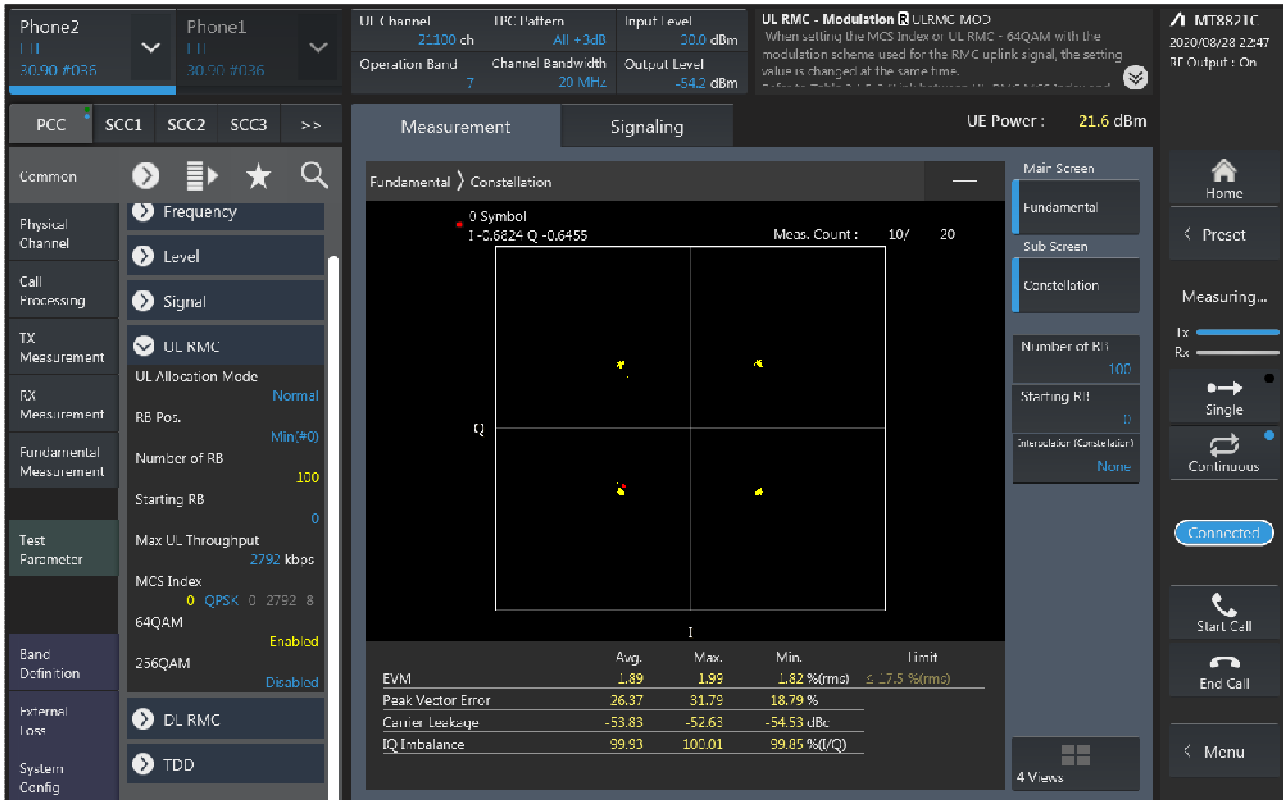
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH

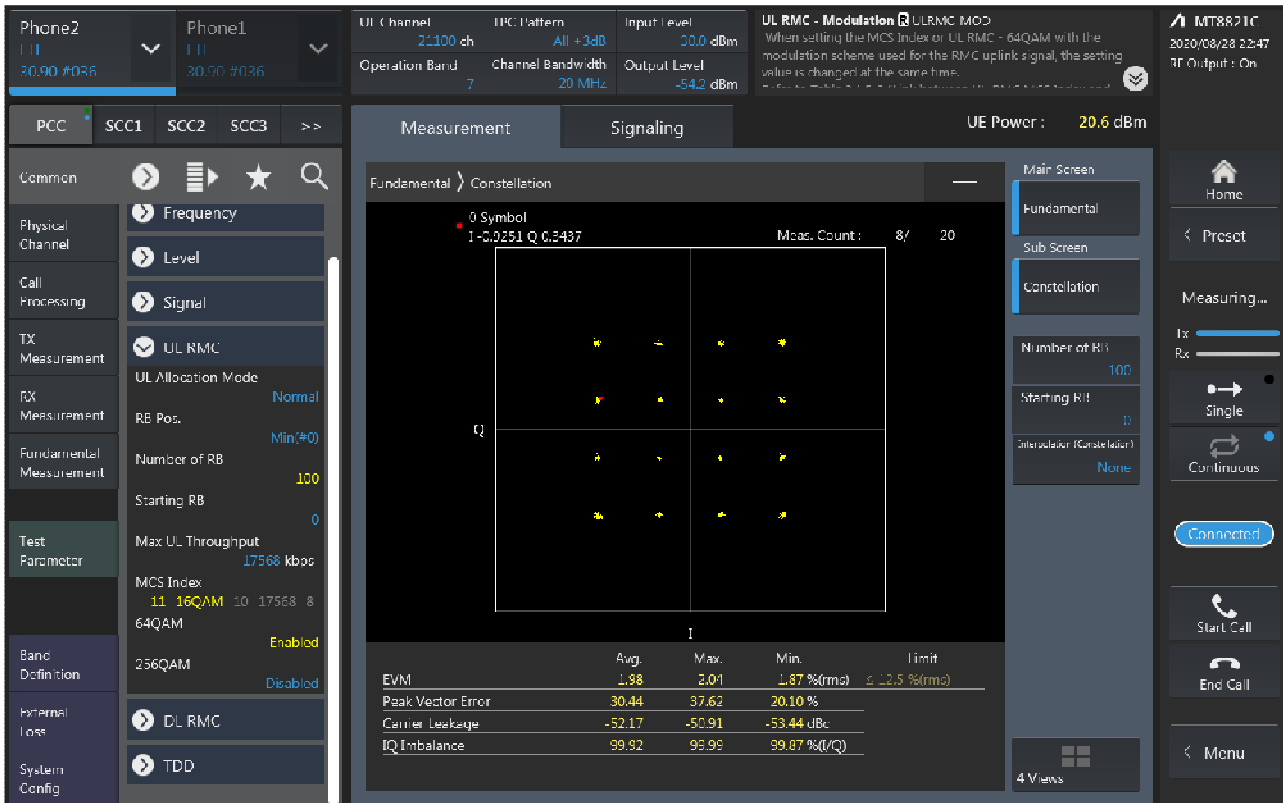


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3.2. Test Mode = LTE /TM2 20MHz

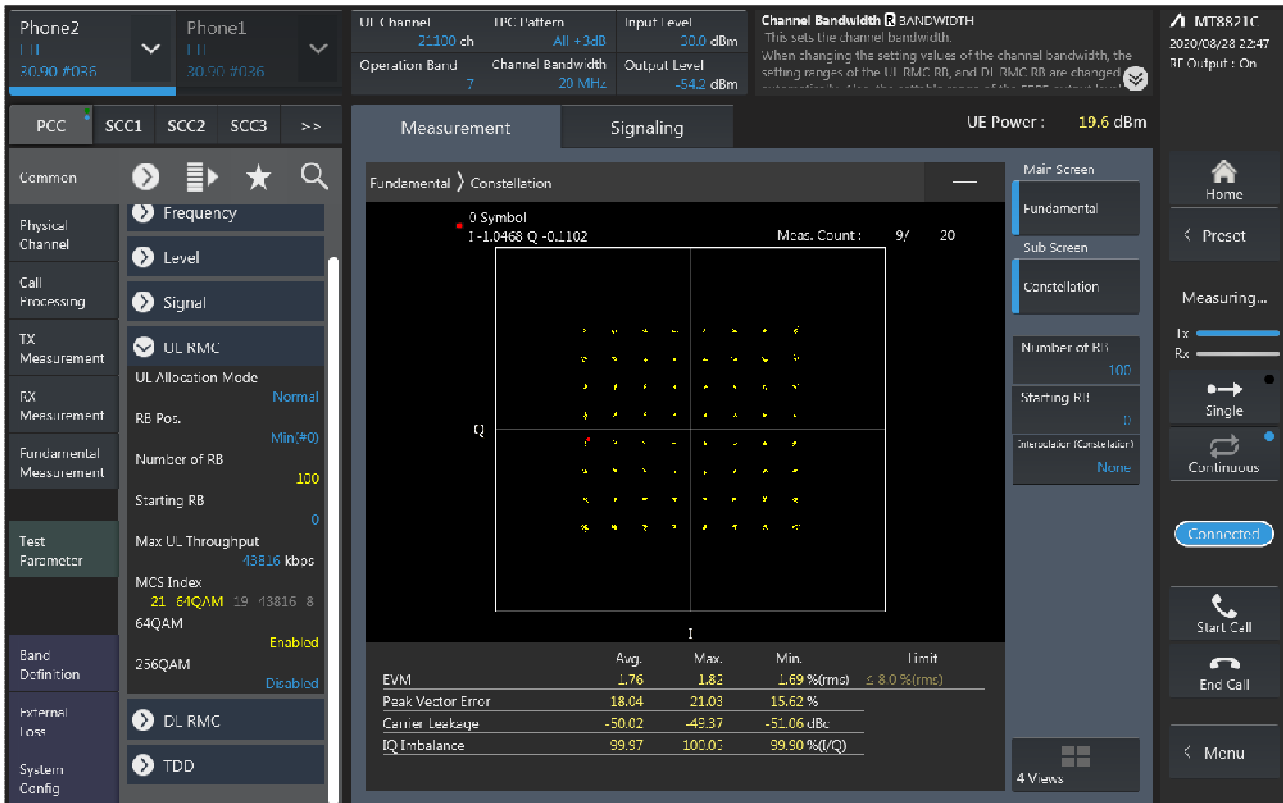
3.2.1. Test Channel = MCH



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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	4.950	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.950	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.476	4.950	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.456	4.650	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.476	4.900	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.476	4.940	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.486	4.950	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.496	4.950	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.486	4.940	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.931	9.720	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.931	9.740	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.931	9.740	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.911	9.660	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.931	9.720	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.931	9.700	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.931	9.760	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.931	9.760	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.931	9.780	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.457	14.820	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.487	14.820	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.487	14.820	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.427	14.850	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.427	14.820	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.427	14.850	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.427	14.790	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	19.480	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.902	19.440	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.902	19.520	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.902	19.440	PASS



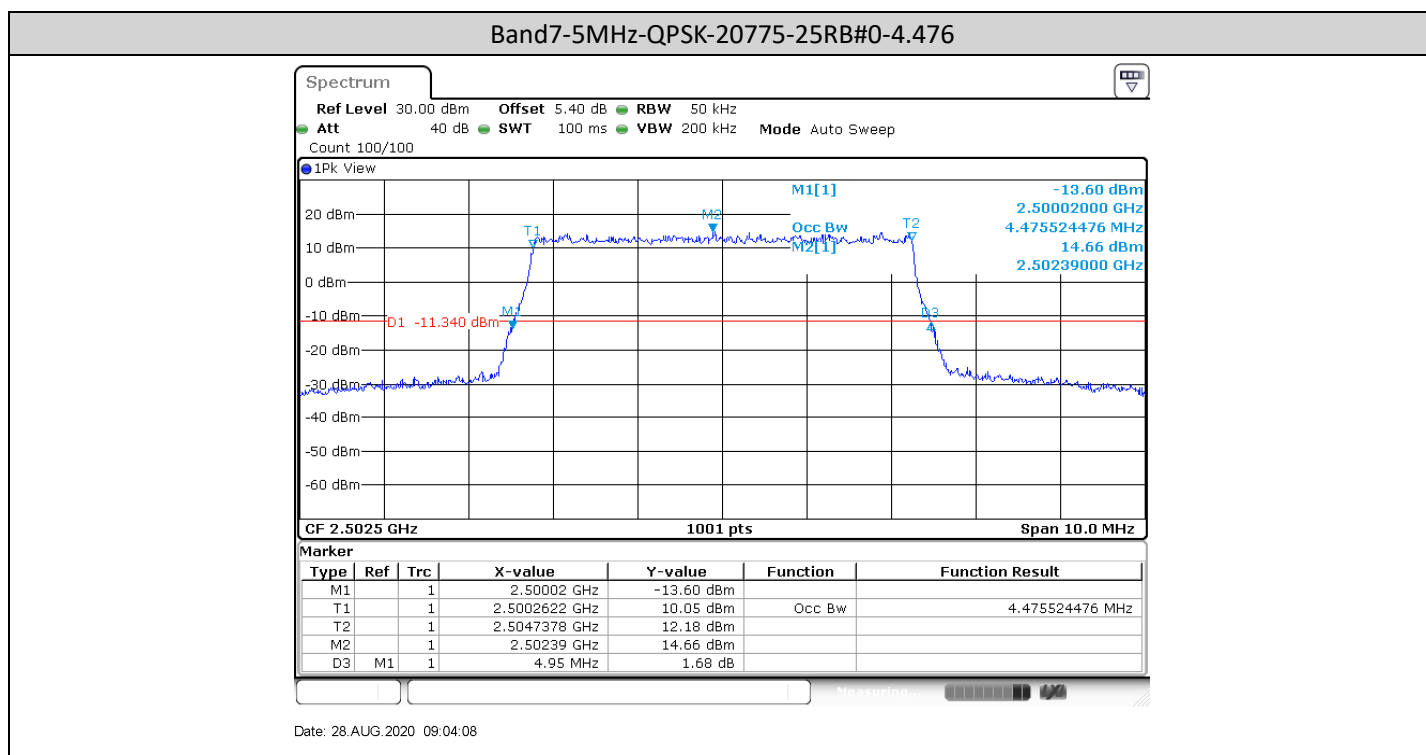
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Band7	20MHz	64QAM	21100	100RB#0	17.902	19.440	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.902	19.520	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.902	19.360	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.862	19.480	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.902	19.480	PASS

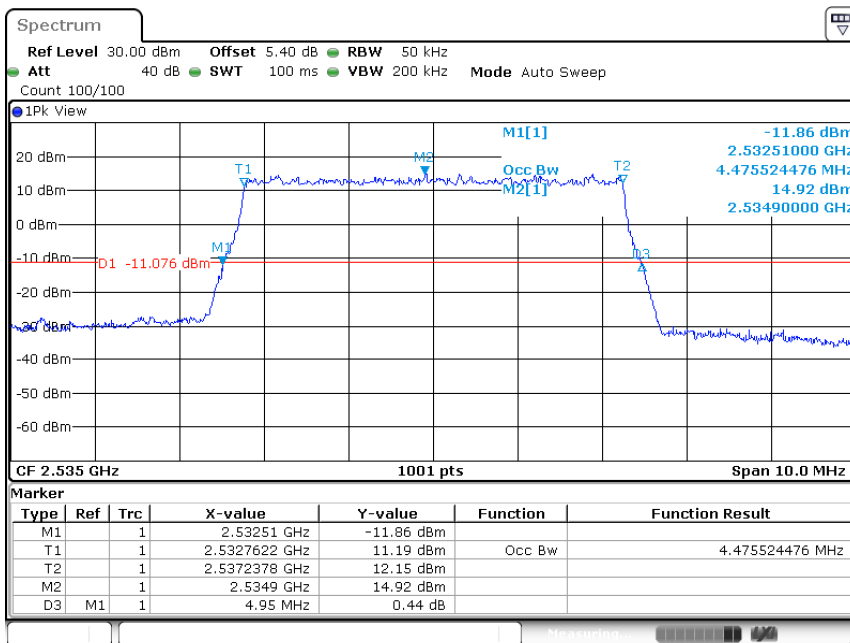
4.2. Test Plots



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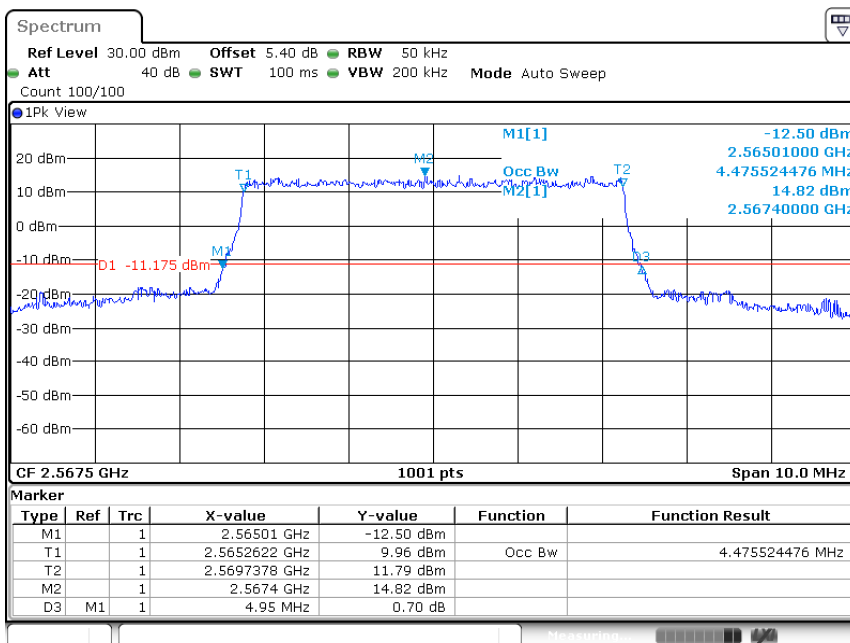
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Band7-5MHz-QPSK-21100-25RB#0-4.476



Date: 28.AUG.2020 09:04:47

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

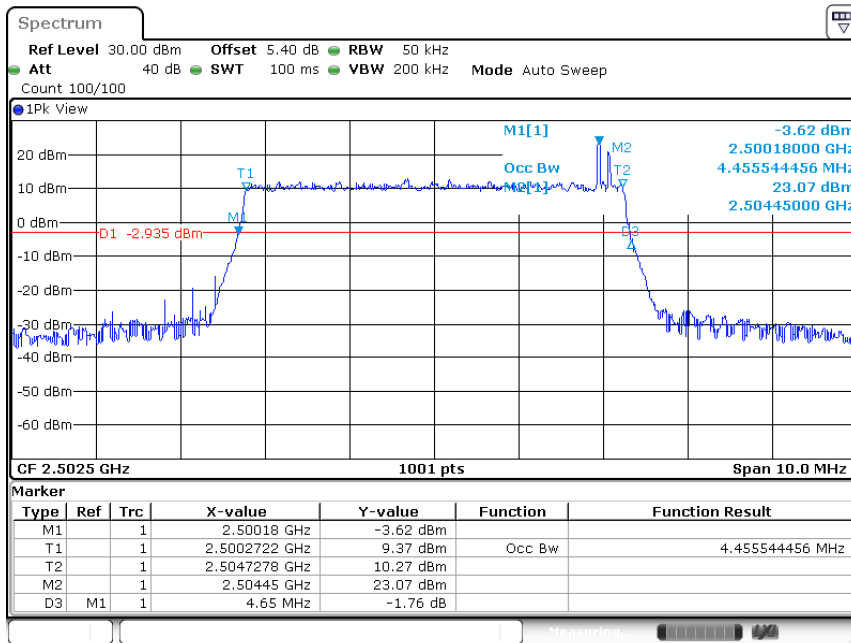


Date: 28.AUG.2020 09:05:27



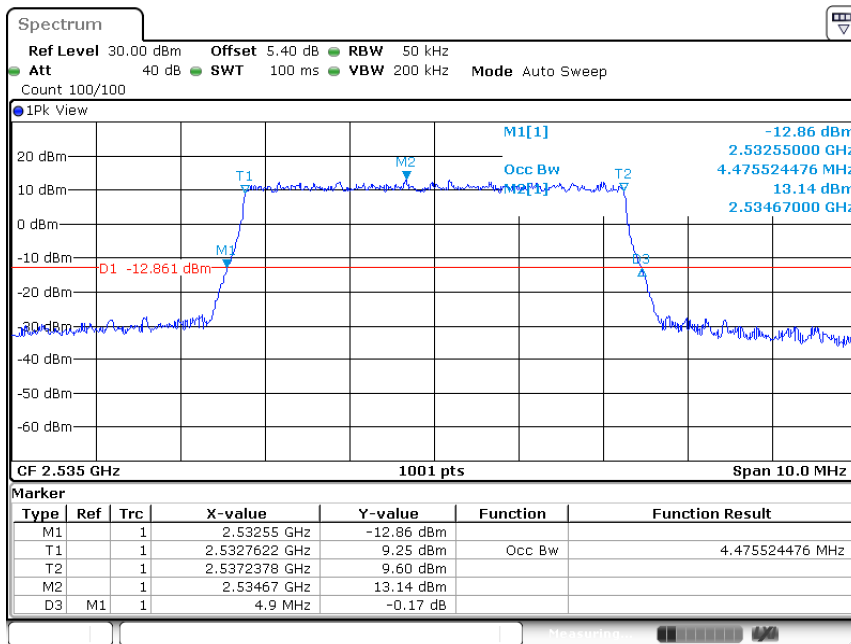
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Band7-5MHz-64QAM-20775-25RB#0-4.456



Date: 28.AUG.2020 09:55:30

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

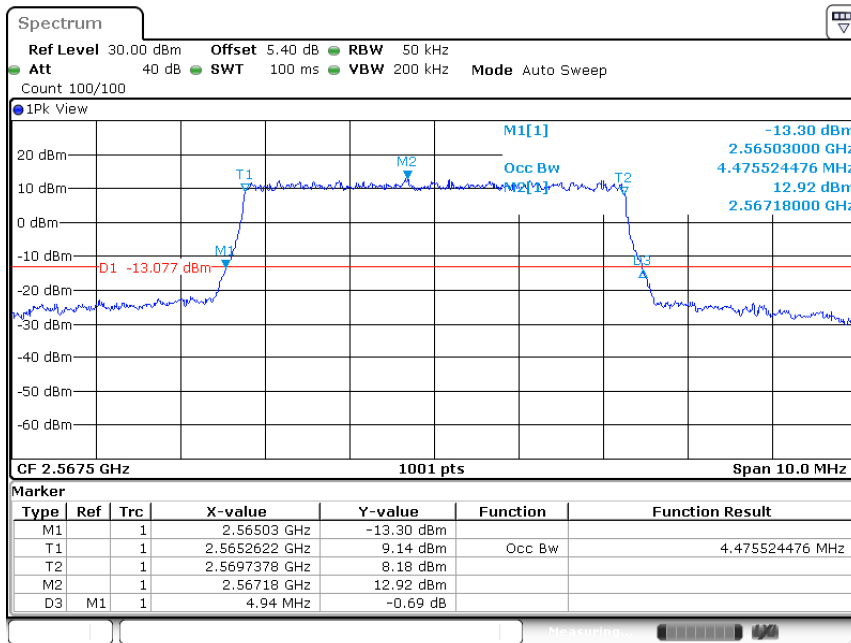


Date: 28.AUG.2020 09:55:50



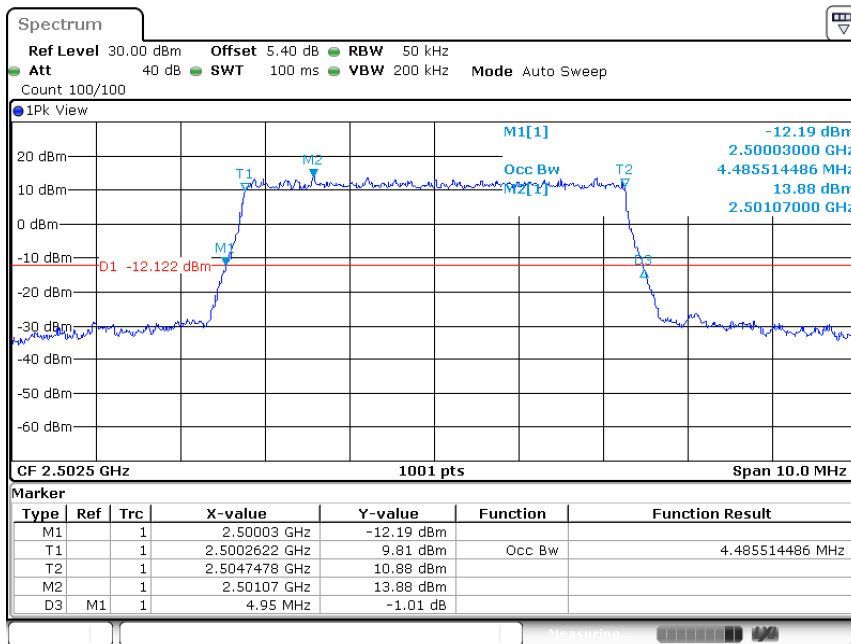
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Band7-5MHz-64QAM-21425-25RB#0-4.476



Date: 28.AUG.2020 09:56:10

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

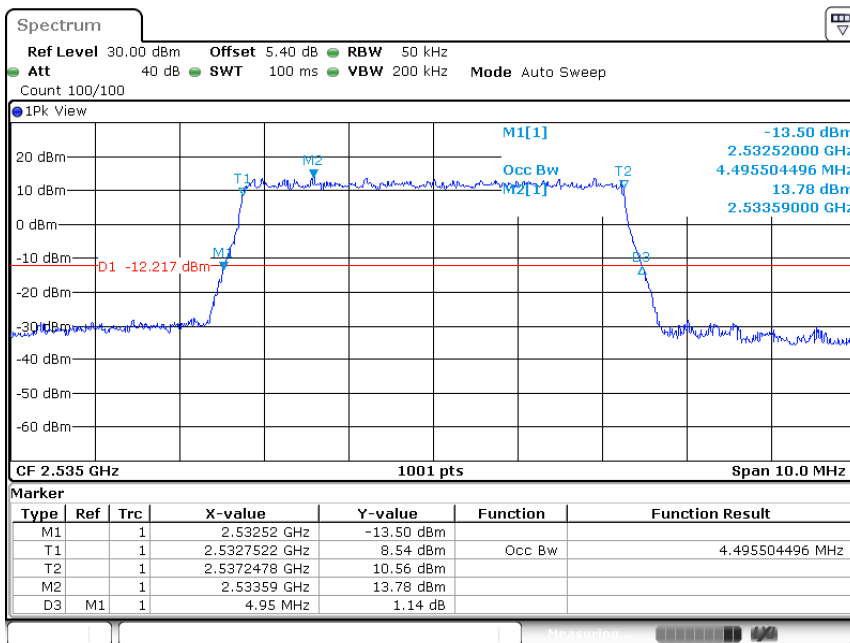


Date: 28.AUG.2020 09:04:27



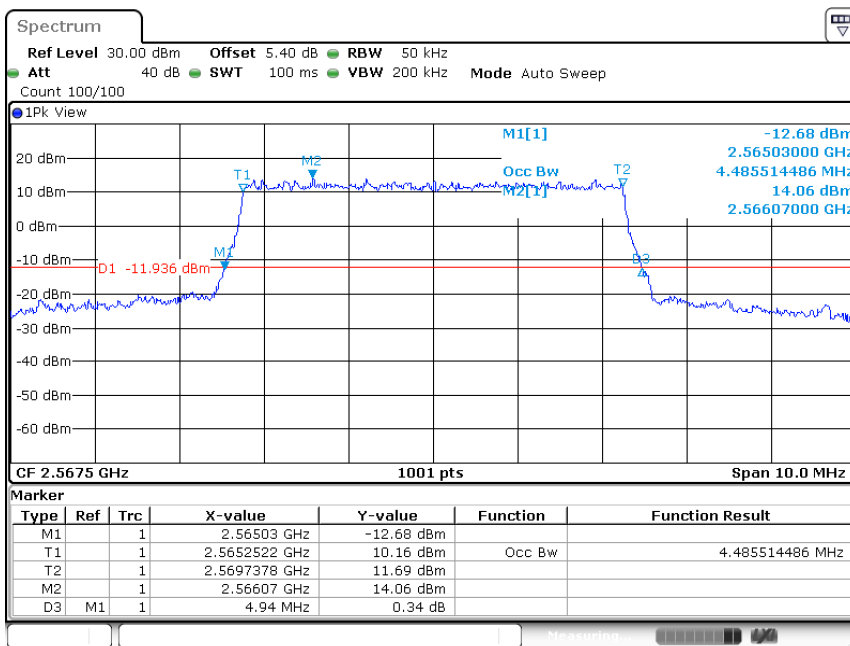
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Band7-5MHz-16QAM-21100-25RB#0-4.496



Date: 28.AUG.2020 09:05:07

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

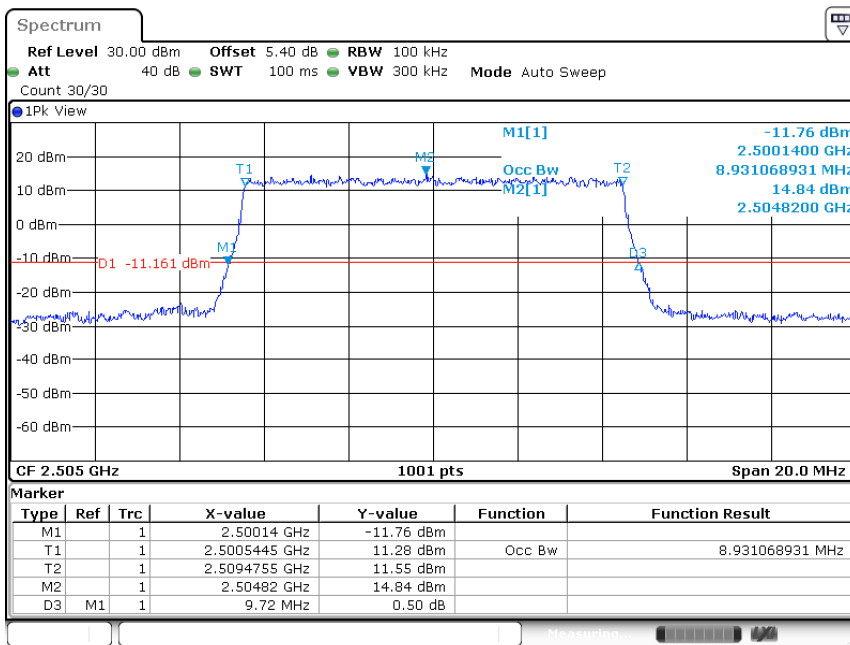


Date: 28.AUG.2020 09:05:46



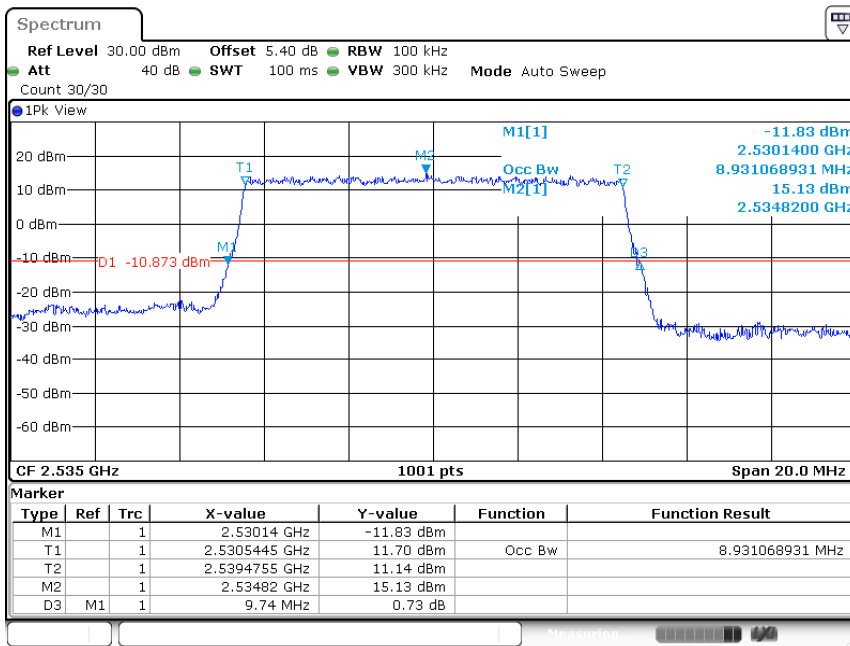
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Band7-10MHz-QPSK-20800-50RB#0-8.931



Date: 28.AUG.2020 09:06:05

Band7-10MHz-QPSK-21100-50RB#0-8.931

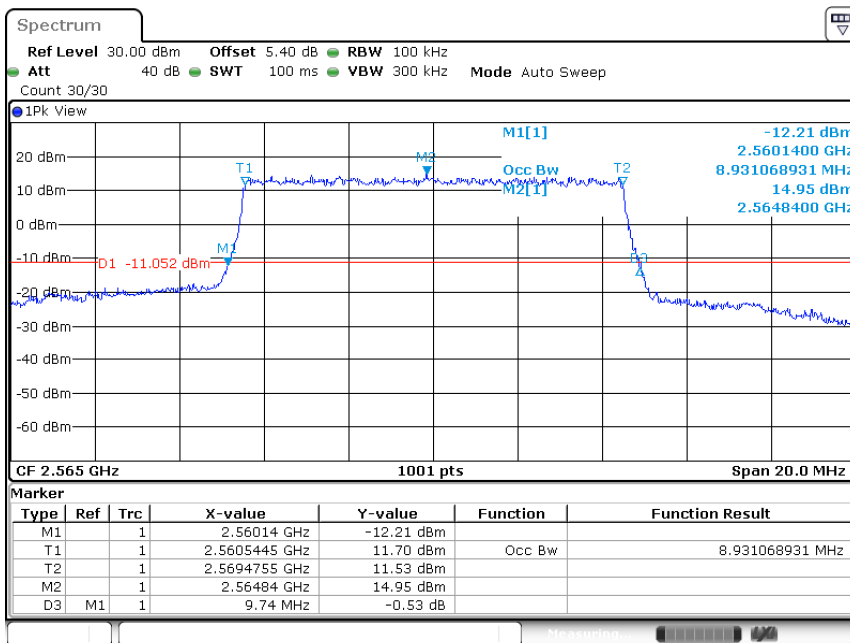


Date: 28.AUG.2020 09:06:30



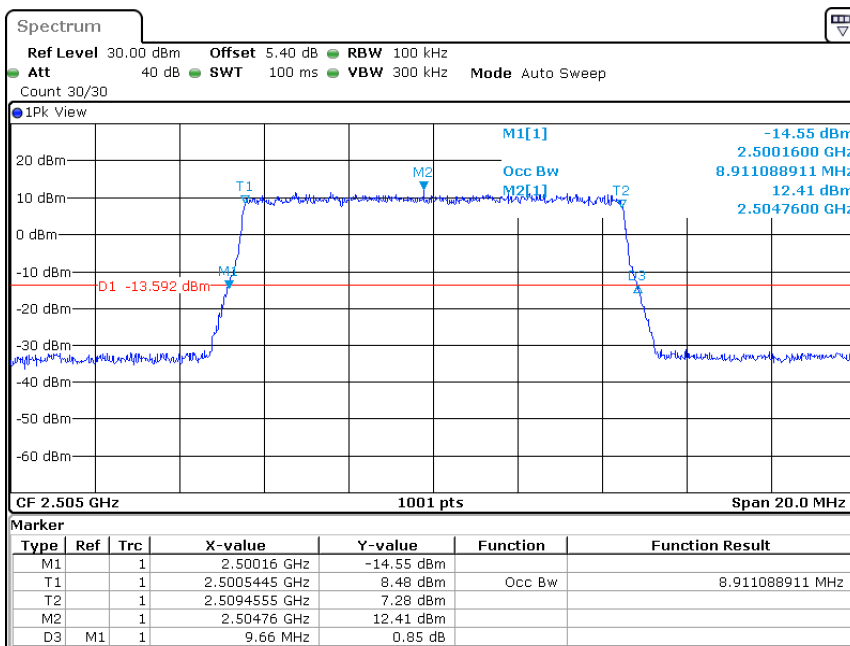
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Band7-10MHz-QPSK-21400-50RB#0-8.931



Date: 28.AUG.2020 09:06:57

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

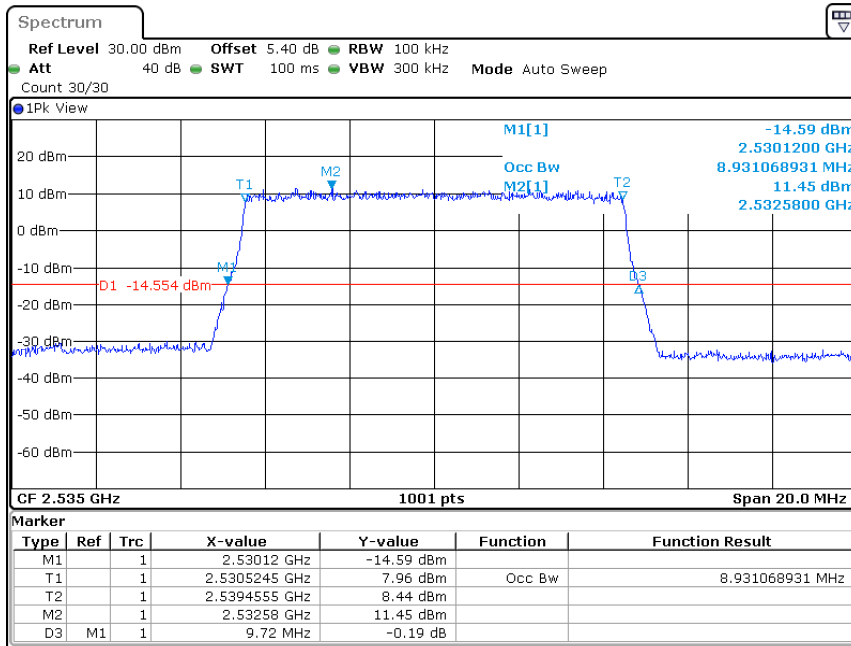


Date: 28.AUG.2020 15:43:26

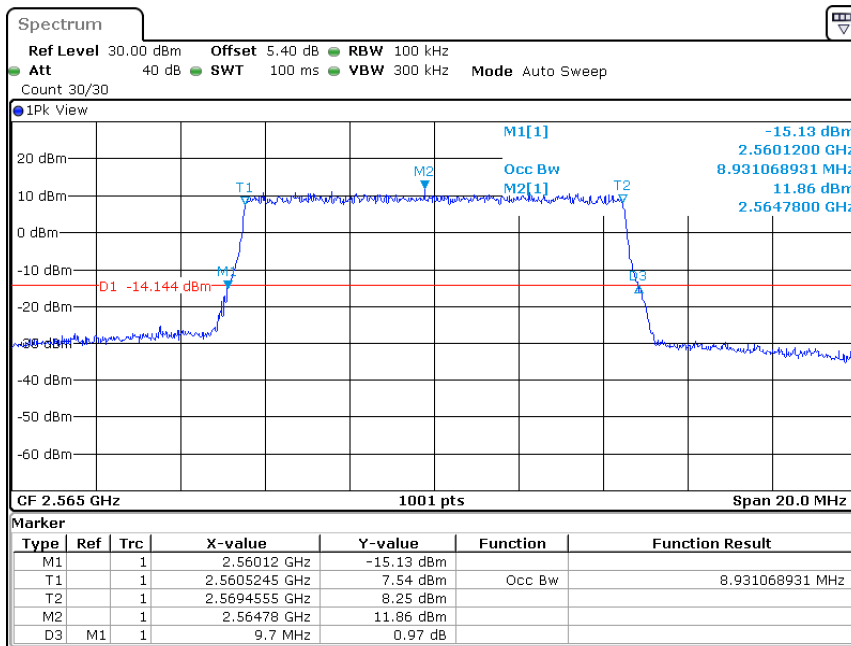


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Band7-10MHz-64QAM-21100-50RB#0-8.931

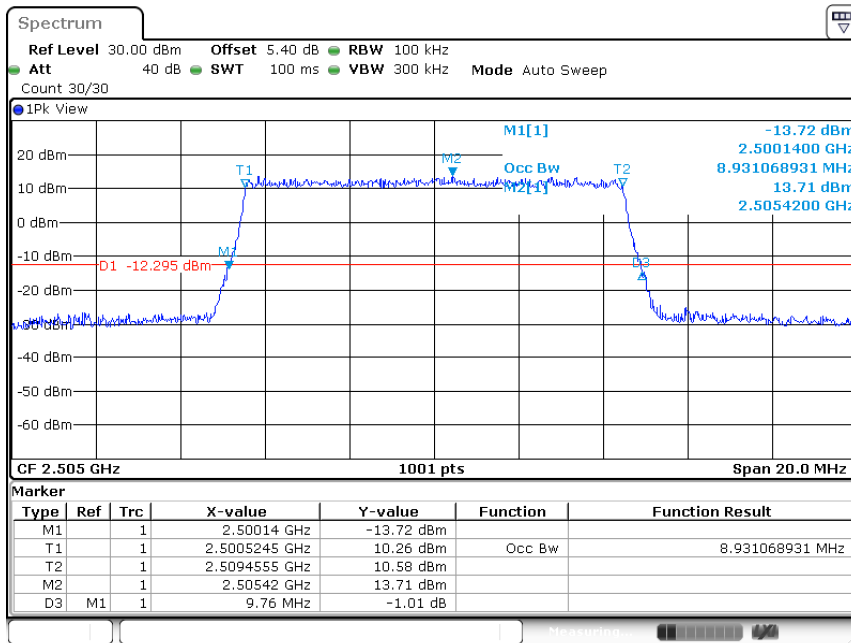


Band7-10MHz-64QAM-21400-50RB#0-8.931



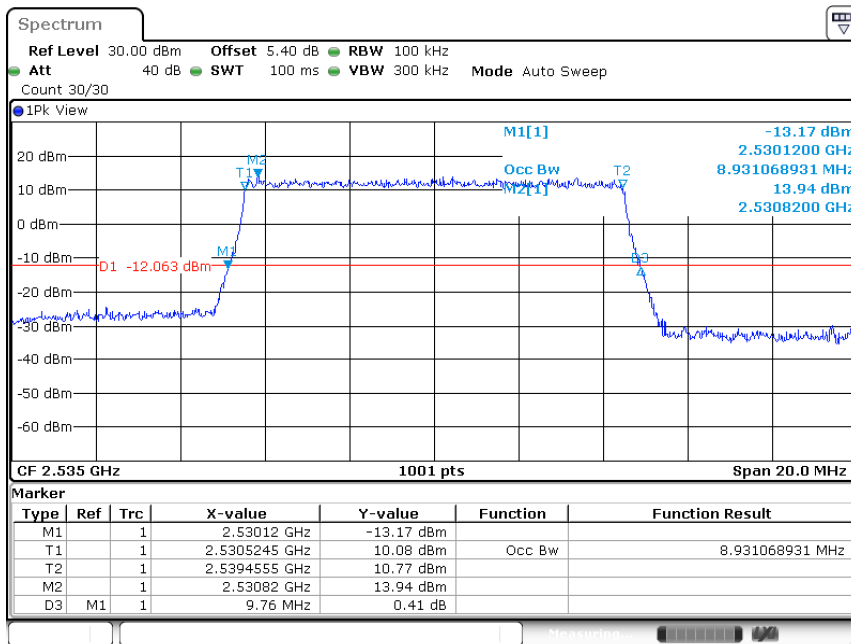
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Band7-10MHz-16QAM-20800-50RB#0-8.931



Date: 28.AUG.2020 09:06:17

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

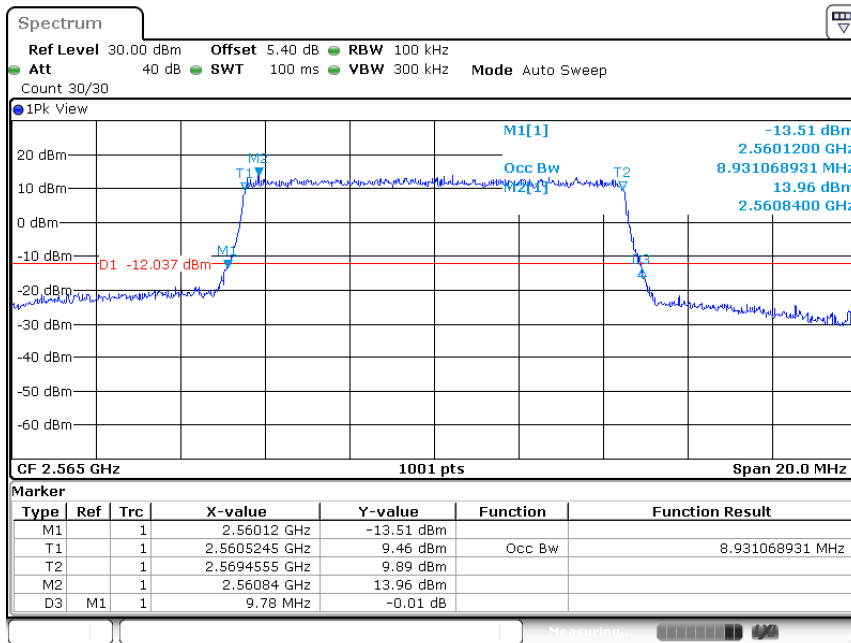


Date: 28.AUG.2020 09:06:43



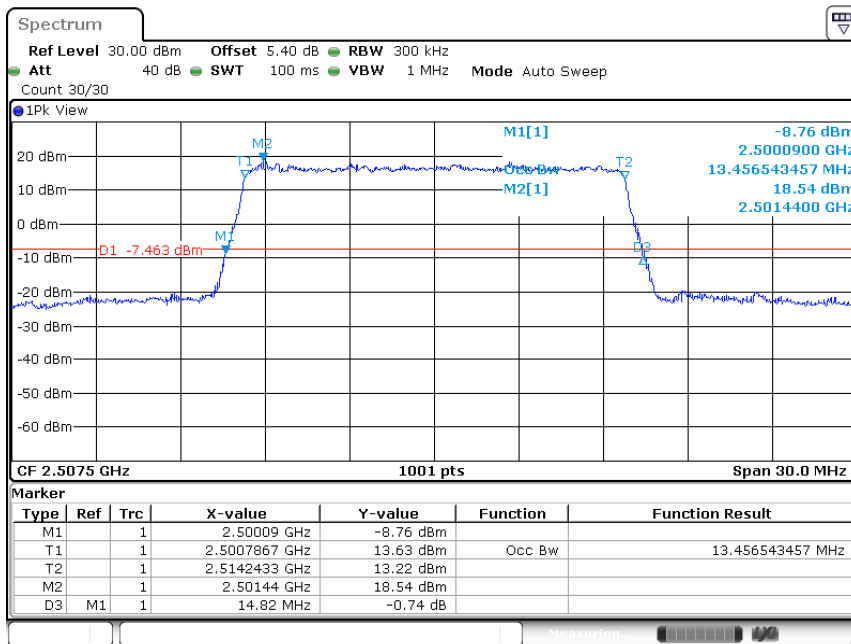
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Band7-10MHz-16QAM-21400-50RB#0-8.931



Date: 28.AUG.2020 09:07:09

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

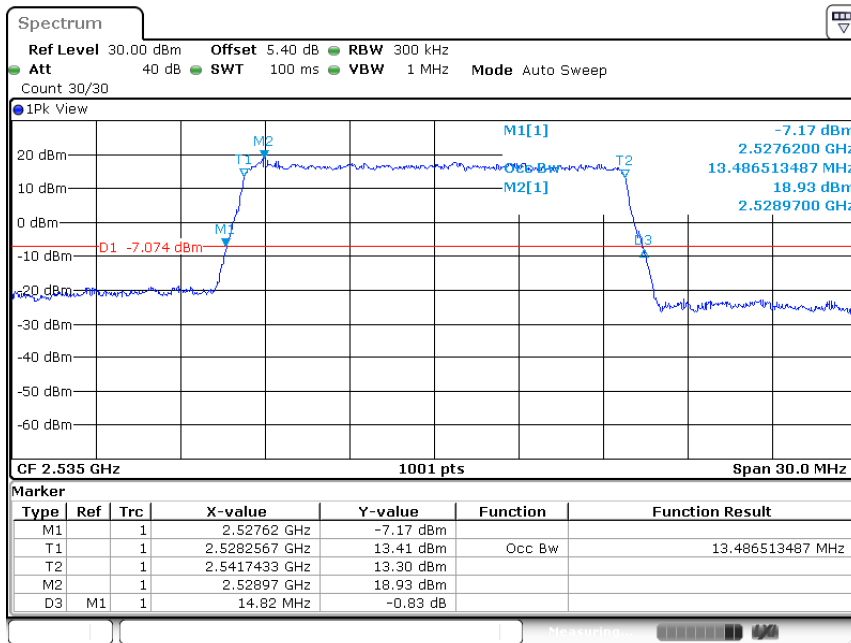


Date: 28.AUG.2020 09:07:28



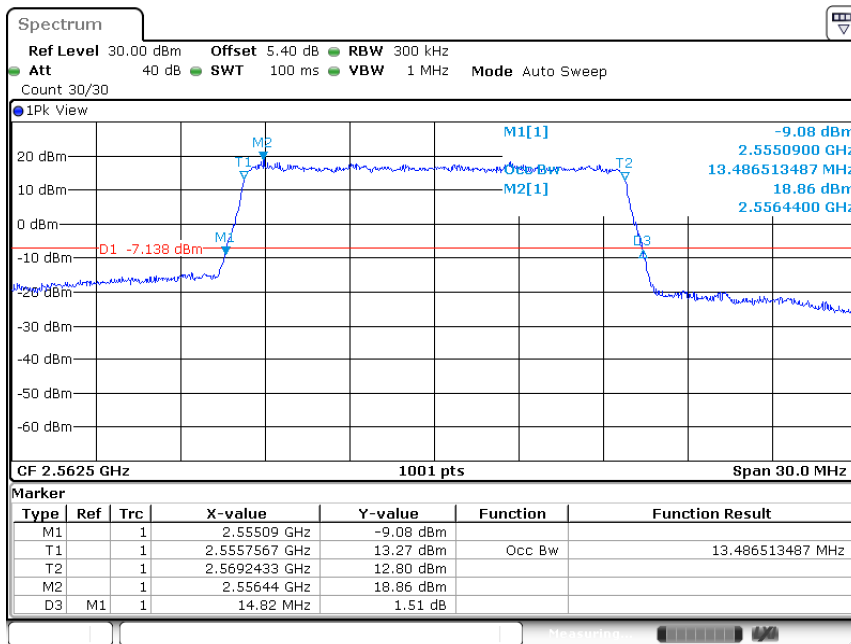
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Band7-15MHz-QPSK-21100-75RB#0-13.487



Date: 28.AUG.2020 09:07:53

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

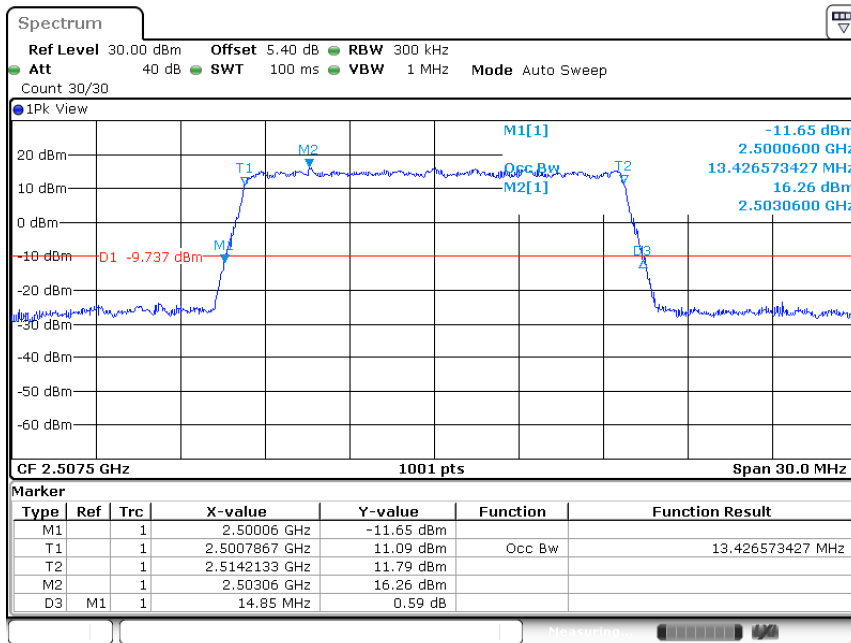


Date: 28.AUG.2020 09:08:19



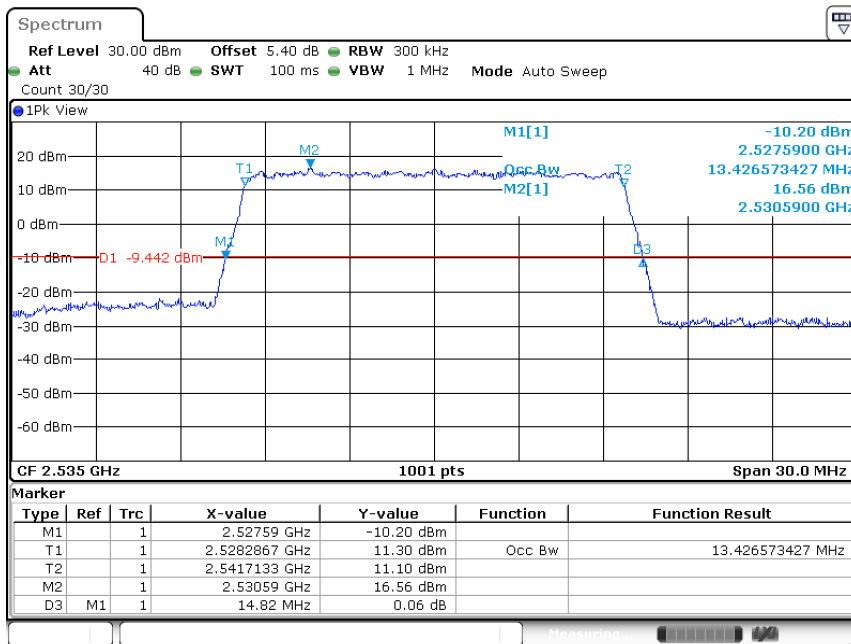
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Band7-15MHz-64QAM-20825-75RB#0-13.427



Date: 28.AUG.2020 09:57:24

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



Date: 28.AUG.2020 09:57:37

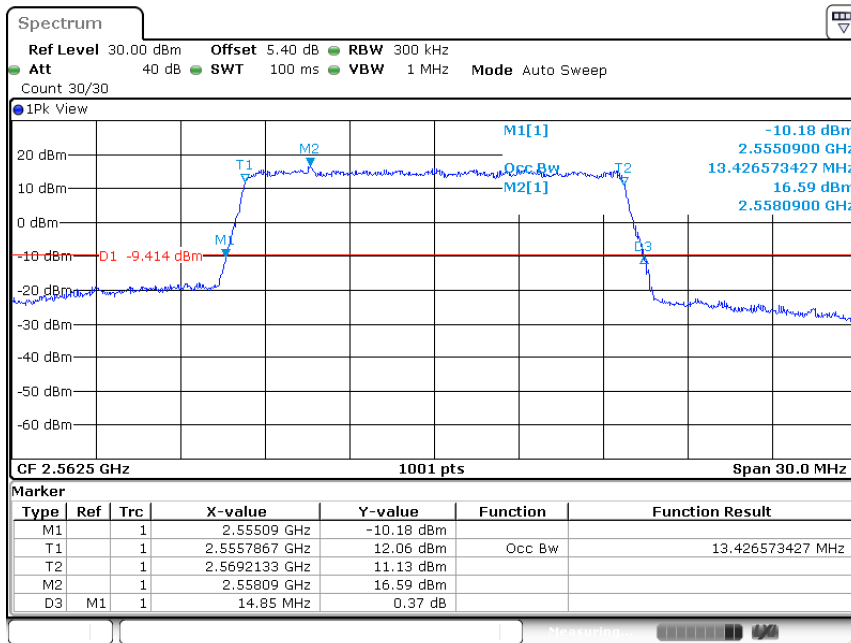


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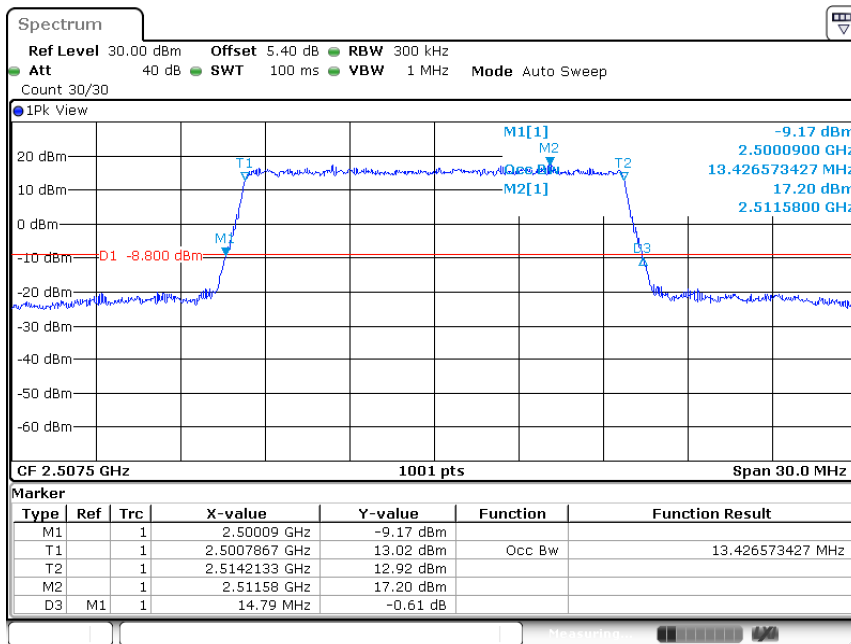
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 28.AUG.2020 09:57:50

Band7-15MHz-16QAM-20825-75RB#0-13.427

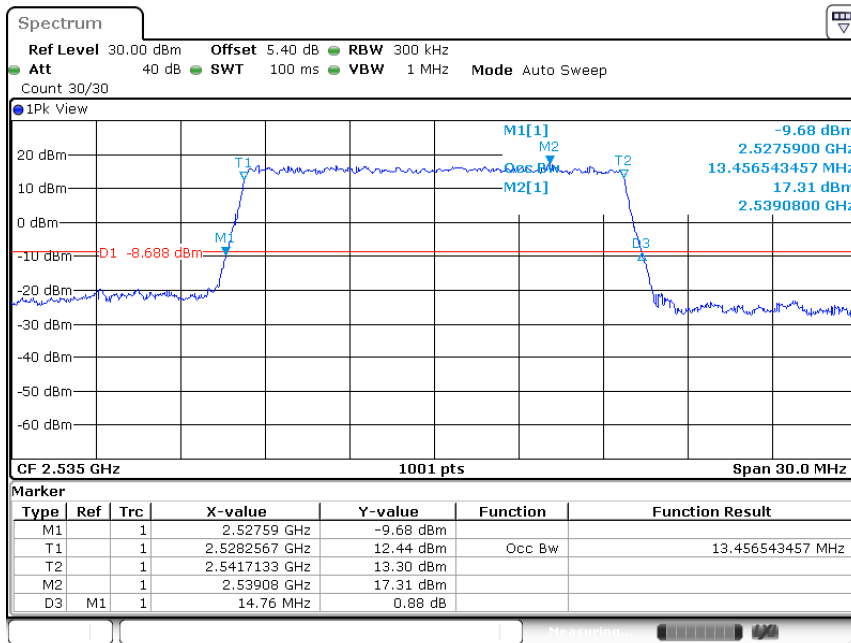


Date: 28.AUG.2020 09:07:40



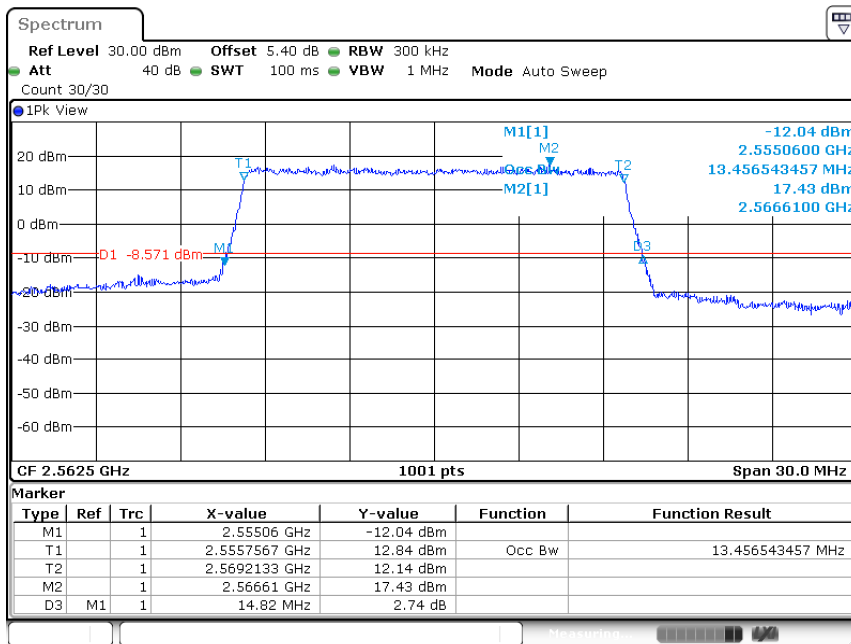
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Band7-15MHz-16QAM-21100-75RB#0-13.457



Date: 28.AUG.2020 09:08:06

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

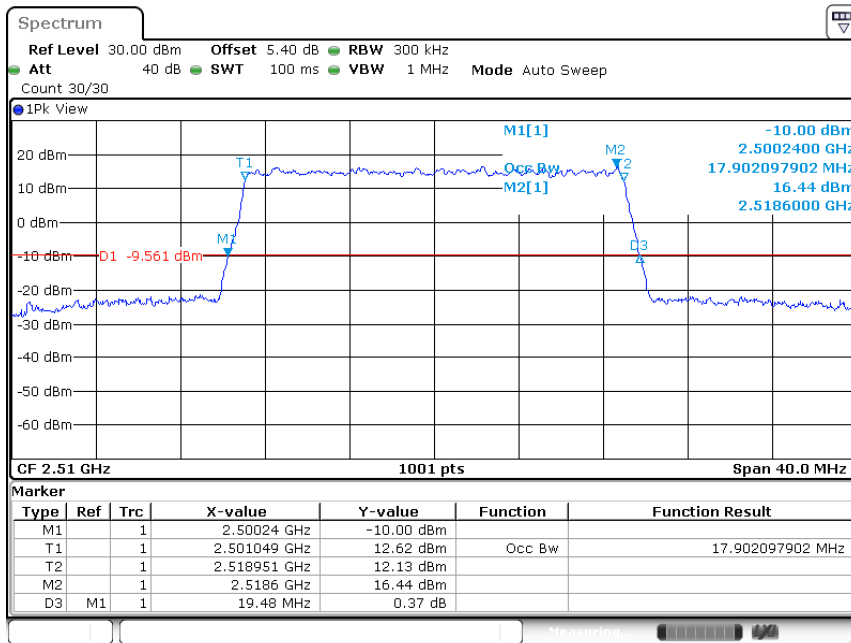


Date: 28.AUG.2020 09:08:31

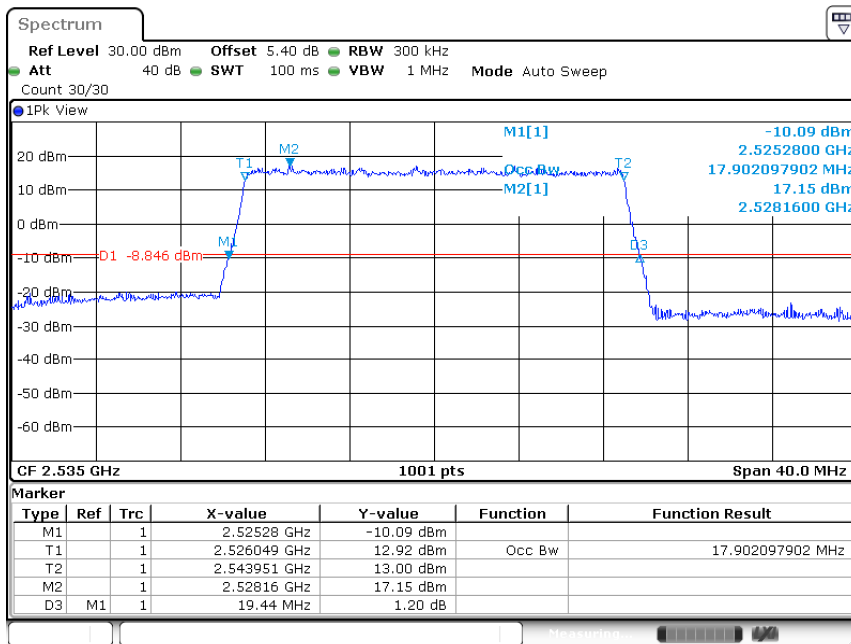


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Band7-20MHz-QPSK-20850-100RB#0-17.902

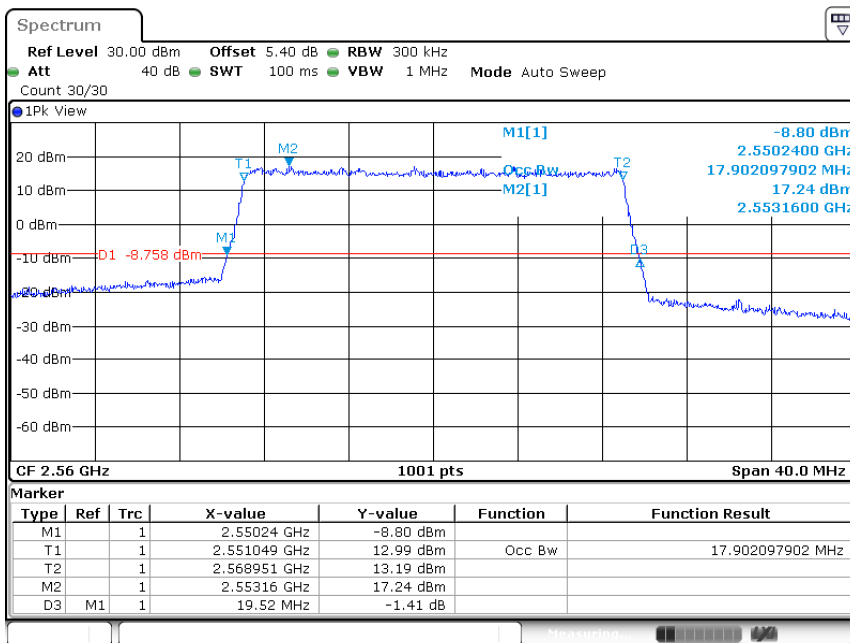


Band7-20MHz-QPSK-21100-100RB#0-17.902



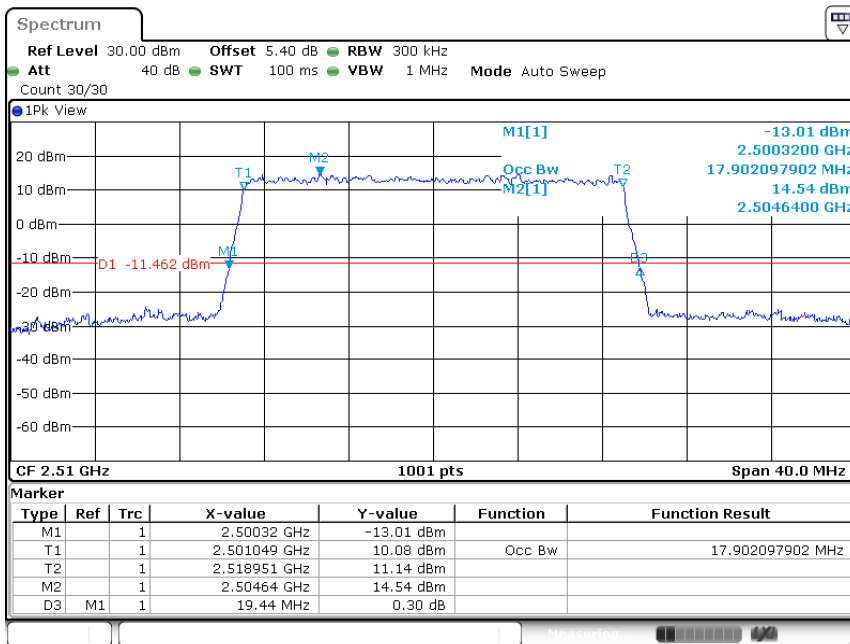
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Band7-20MHz-QPSK-21350-100RB#0-17.902



Date: 28.AUG.2020 09:09:41

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



Date: 28.AUG.2020 09:58:10

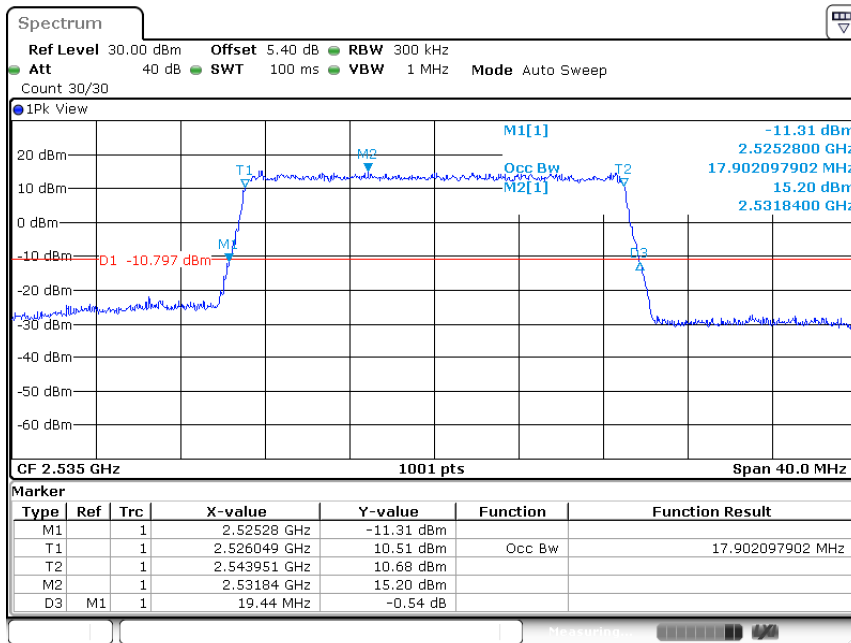


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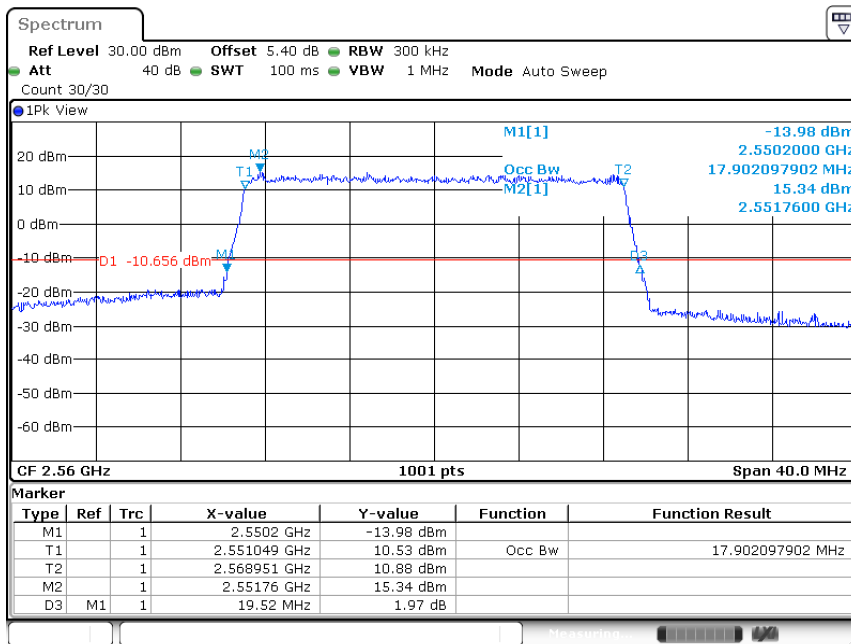
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中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 28.AUG.2020 09:58:23

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

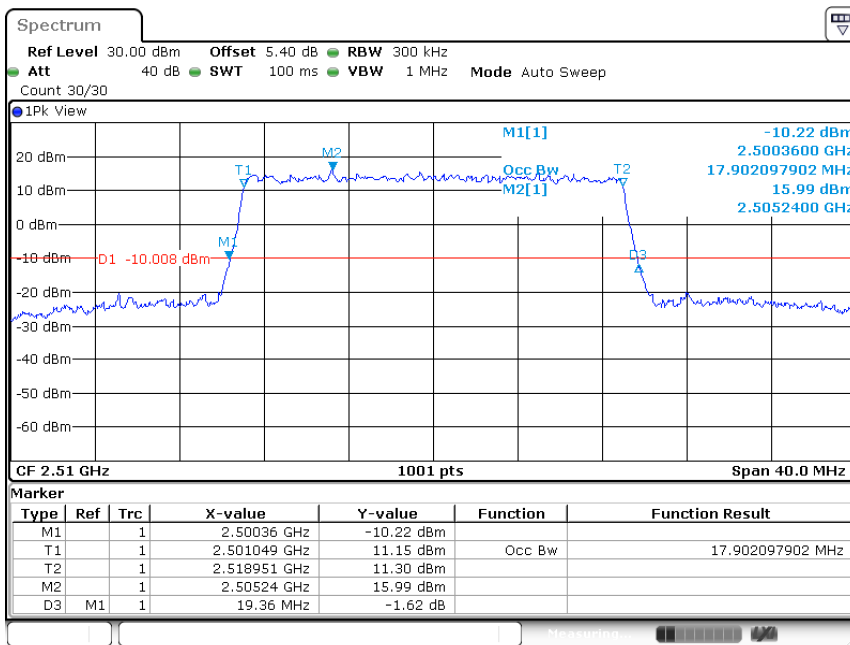


Date: 28.AUG.2020 09:58:37



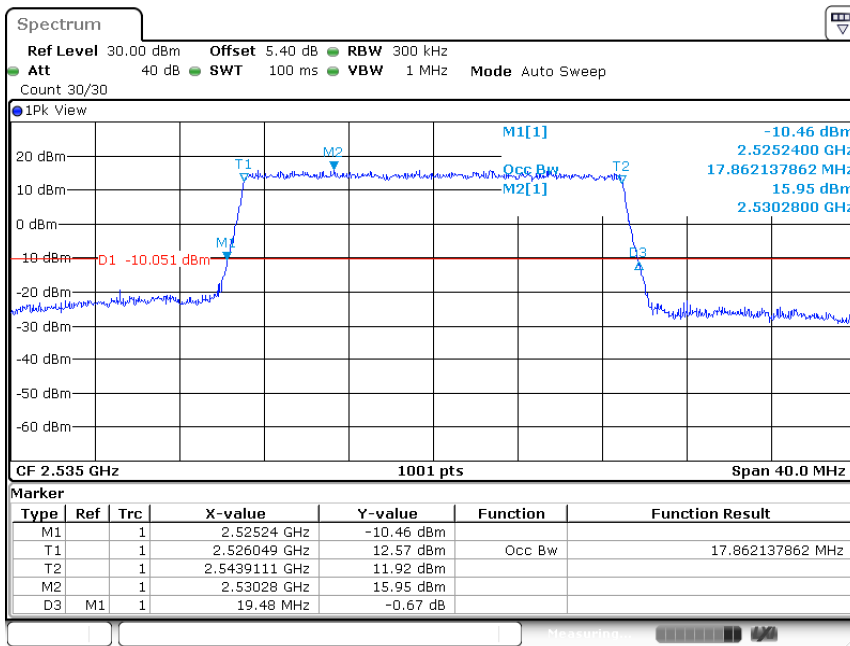
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Band7-20MHz-16QAM-20850-100RB#0-17.902



Date: 28.AUG.2020 09:09:02

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



Date: 28.AUG.2020 09:09:28

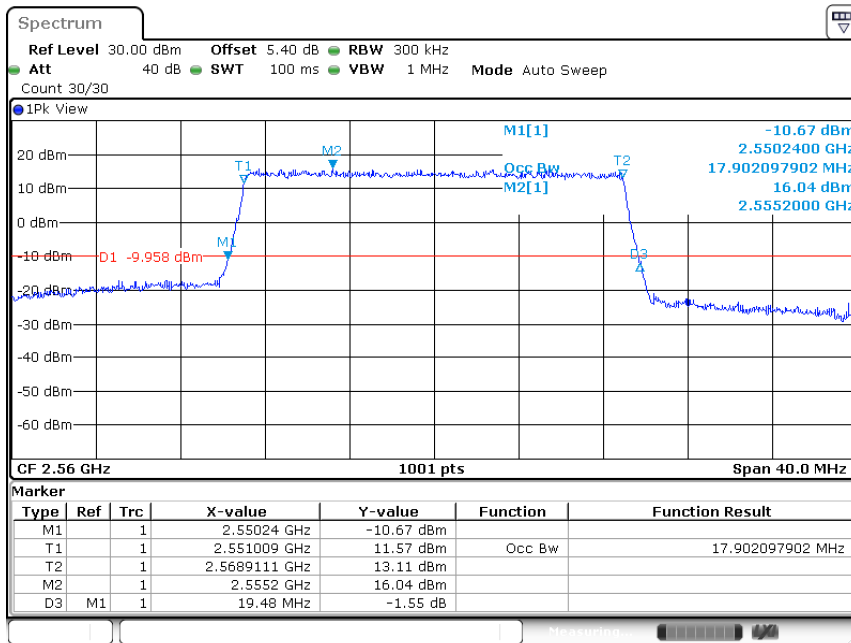


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Band7-20MHz-16QAM-21350-100RB#0-17.902



Date: 28.AUG.2020 09:09:54



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5. Band Edge Compliance

5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-53.51,-41.60,-16.71	PASS
Band7	5MHz	QPSK	20775	25RB#0	-49.99,-42.84,-26.57	PASS
Band7	5MHz	QPSK	21425	1RB#24	-51.49,-53.08,-17.20	PASS
Band7	5MHz	QPSK	21425	25RB#0	-39.17,-38.51,-23.30	PASS
Band7	5MHz	64QAM	20775	1RB#0	-53.71,-44.99,-19.18	PASS
Band7	5MHz	64QAM	20775	25RB#0	-51.04,-44.80,-28.33	PASS
Band7	5MHz	64QAM	21425	1RB#24	-52.55,-53.21,-17.96	PASS
Band7	5MHz	64QAM	21425	25RB#0	-43.41,-41.42,-26.43	PASS
Band7	5MHz	16QAM	20775	1RB#0	-53.61,-42.41,-17.31	PASS
Band7	5MHz	16QAM	20775	25RB#0	-50.14,-43.84,-26.72	PASS
Band7	5MHz	16QAM	21425	1RB#24	-51.75,-52.98,-17.40	PASS
Band7	5MHz	16QAM	21425	25RB#0	-41.88,-40.06,-24.66	PASS
Band7	10MHz	QPSK	20800	1RB#0	-49.78,-38.92,-23.26	PASS
Band7	10MHz	QPSK	20800	50RB#0	-45.93,-33.93,-28.94	PASS
Band7	10MHz	QPSK	21400	1RB#49	-50.36,-43.06,-23.90	PASS
Band7	10MHz	QPSK	21400	50RB#0	-38.70,-35.56,-25.77	PASS
Band7	10MHz	64QAM	20800	1RB#0	-50.55,-41.34,-25.16	PASS
Band7	10MHz	64QAM	20800	50RB#0	-45.39,-38.47,-31.78	PASS
Band7	10MHz	64QAM	21400	1RB#49	-50.46,-45.06,-25.52	PASS
Band7	10MHz	64QAM	21400	50RB#0	-41.61,-37.55,-28.95	PASS
Band7	10MHz	16QAM	20800	1RB#0	-49.94,-39.39,-23.48	PASS
Band7	10MHz	16QAM	20800	50RB#0	-44.80,-36.46,-31.05	PASS
Band7	10MHz	16QAM	21400	1RB#49	-50.40,-43.90,-24.84	PASS
Band7	10MHz	16QAM	21400	50RB#0	-40.12,-35.96,-27.65	PASS
Band7	15MHz	QPSK	20825	1RB#0	-44.33,-34.18,-22.65	PASS
Band7	15MHz	QPSK	20825	75RB#0	-37.49,-32.08,-29.42	PASS
Band7	15MHz	QPSK	21375	1RB#74	-48.71,-43.35,-22.48	PASS
Band7	15MHz	QPSK	21375	75RB#0	-39.48,-34.10,-27.95	PASS
Band7	15MHz	64QAM	20825	1RB#0	-46.75,-37.38,-23.32	PASS
Band7	15MHz	64QAM	20825	75RB#0	-42.52,-37.32,-33.47	PASS
Band7	15MHz	64QAM	21375	1RB#74	-48.74,-44.92,-24.54	PASS
Band7	15MHz	64QAM	21375	75RB#0	-41.80,-36.51,-31.07	PASS



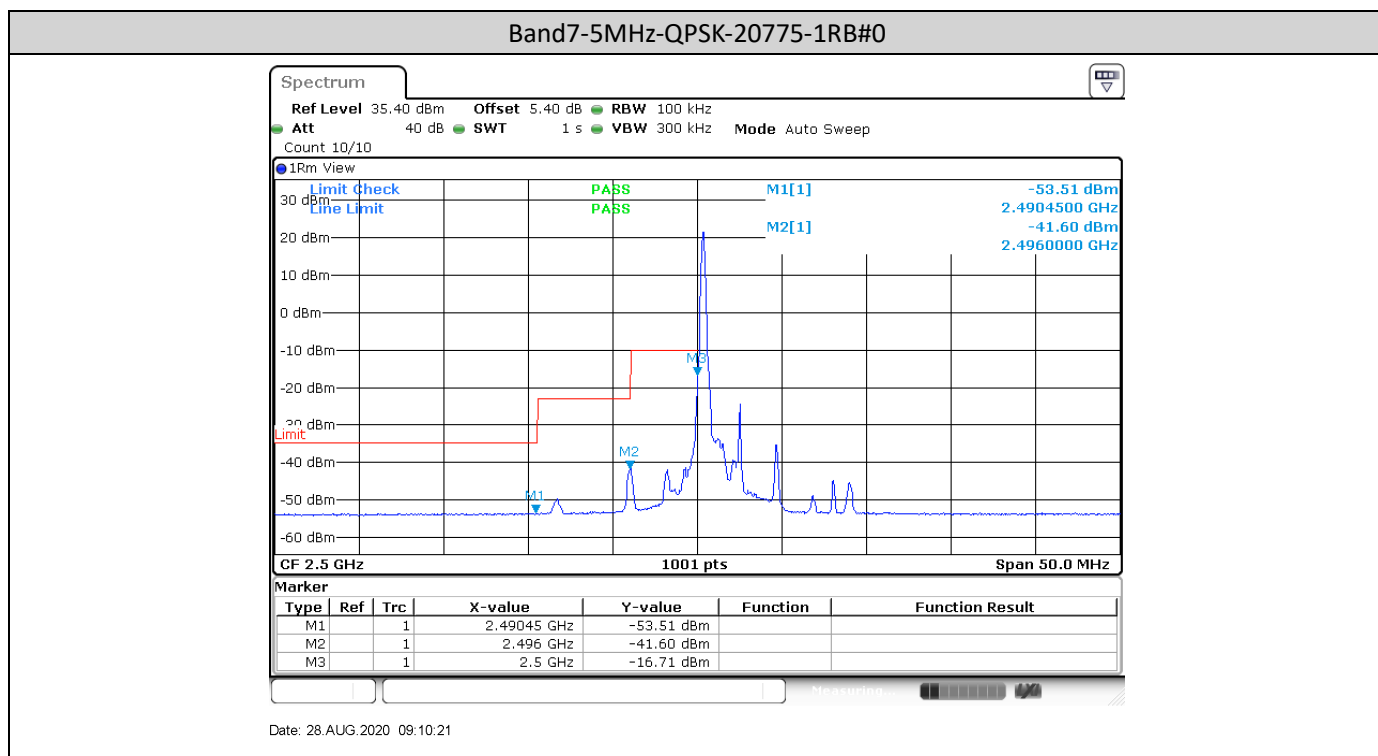
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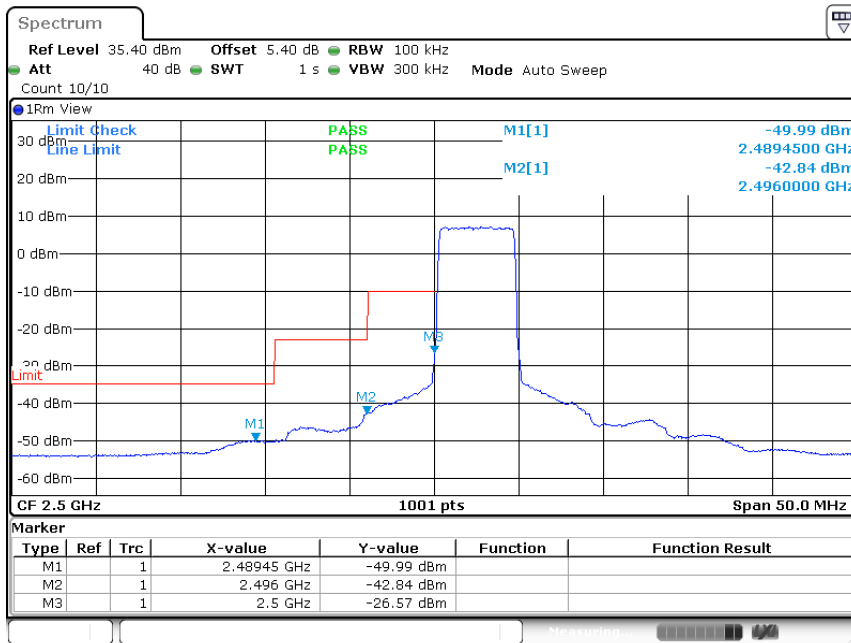
Band7	15MHz	16QAM	20825	1RB#0	-45.03,-35.34,-22.73	PASS
Band7	15MHz	16QAM	20825	75RB#0	-40.38,-34.73,-31.79	PASS
Band7	15MHz	16QAM	21375	1RB#74	-48.76,-44.04,-22.46	PASS
Band7	15MHz	16QAM	21375	75RB#0	-40.37,-34.60,-29.30	PASS
Band7	20MHz	QPSK	20850	1RB#0	-44.15,-35.31,-20.30	PASS
Band7	20MHz	QPSK	20850	100RB#0	-33.96,-30.06,-28.48	PASS
Band7	20MHz	QPSK	21350	1RB#99	-46.80,-40.67,-20.81	PASS
Band7	20MHz	QPSK	21350	100RB#0	-40.11,-32.69,-28.25	PASS
Band7	20MHz	64QAM	20850	1RB#0	-45.90,-38.27,-21.73	PASS
Band7	20MHz	64QAM	20850	100RB#0	-39.83,-35.95,-33.38	PASS
Band7	20MHz	64QAM	21350	1RB#99	-46.73,-42.64,-22.01	PASS
Band7	20MHz	64QAM	21350	100RB#0	-41.91,-35.18,-31.22	PASS
Band7	20MHz	16QAM	20850	1RB#0	-44.64,-36.33,-20.08	PASS
Band7	20MHz	16QAM	20850	100RB#0	-37.03,-32.89,-30.75	PASS
Band7	20MHz	16QAM	21350	1RB#99	-46.76,-41.37,-21.90	PASS
Band7	20MHz	16QAM	21350	100RB#0	-40.48,-33.59,-29.66	PASS

5.2. Test Plots



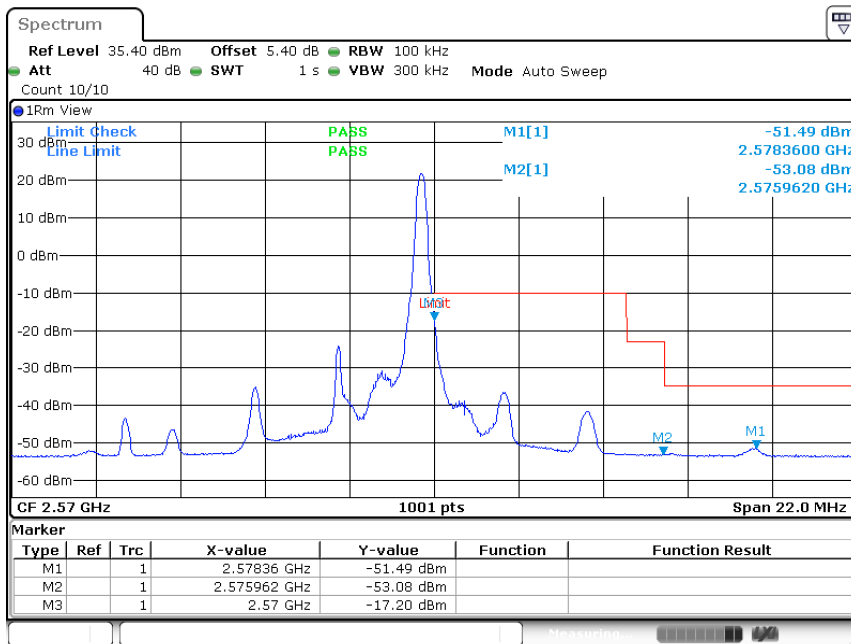
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Band7-5MHz-QPSK-20775-25RB#0



Date: 28.AUG.2020 09:11:54

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

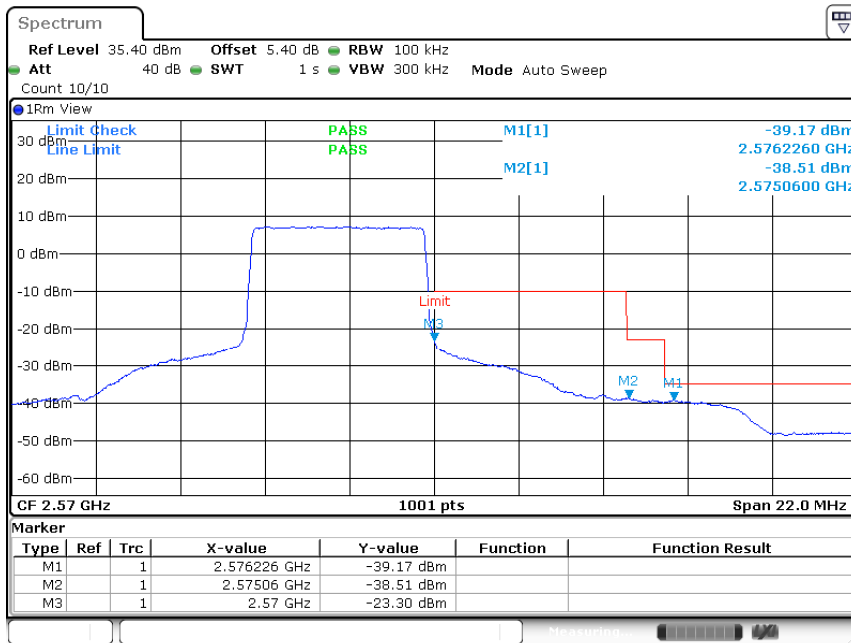


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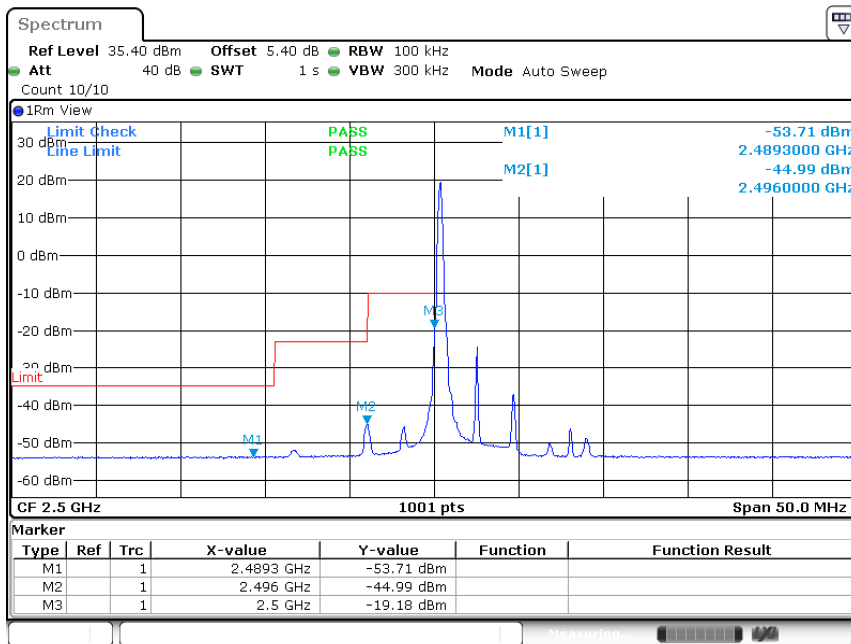
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Band7-5MHz-QPSK-21425-25RB#0



Date: 28.AUG.2020 09:12:37

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

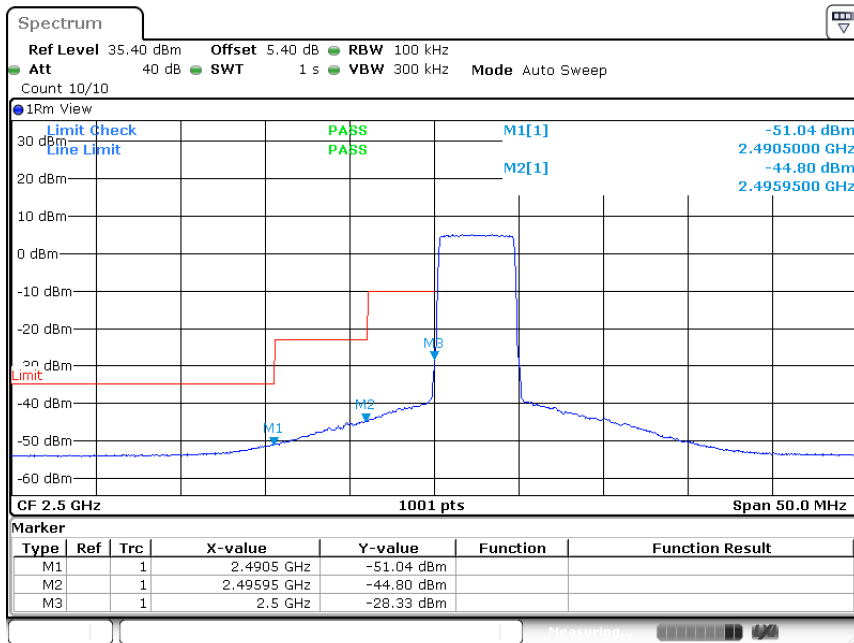


Date: 28.AUG.2020 09:59:07



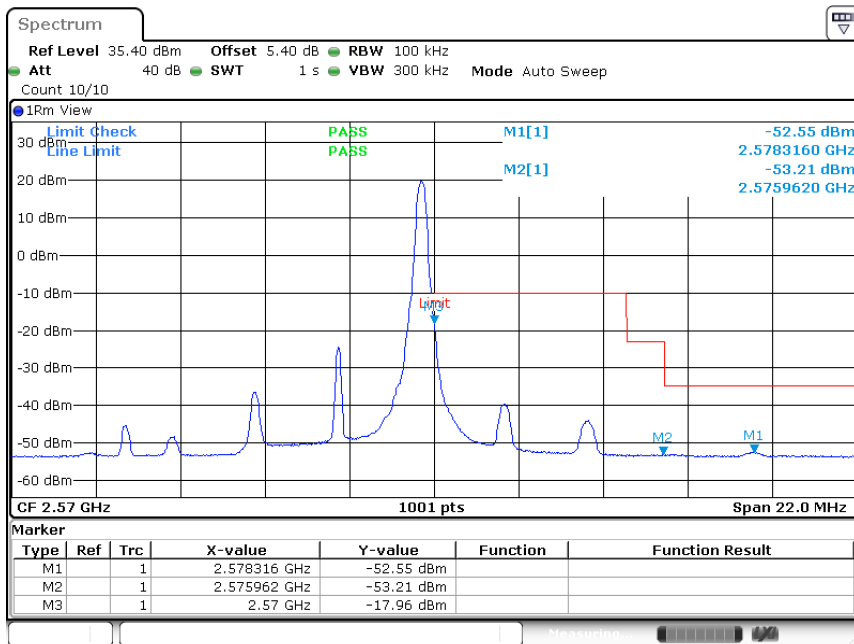
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Band7-5MHz-64QAM-20775-25RB#0



Date: 28.AUG.2020 10:00:13

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

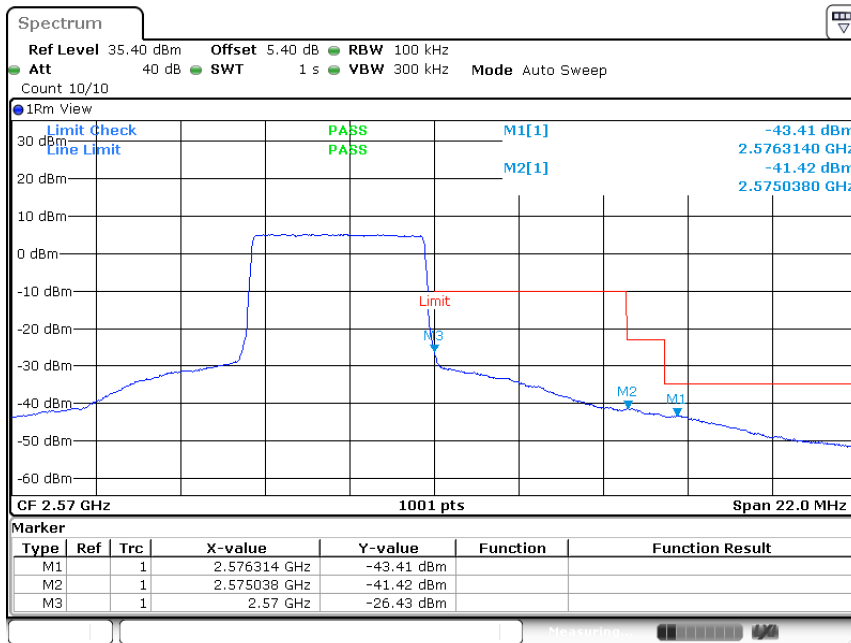


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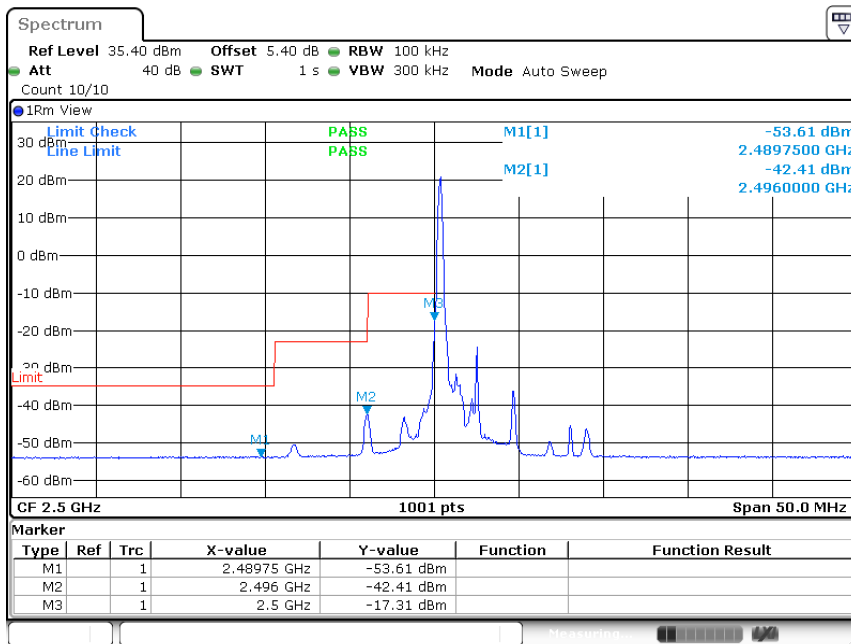
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Band7-5MHz-64QAM-21425-25RB#0



Date: 28.AUG.2020 10:00:35

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

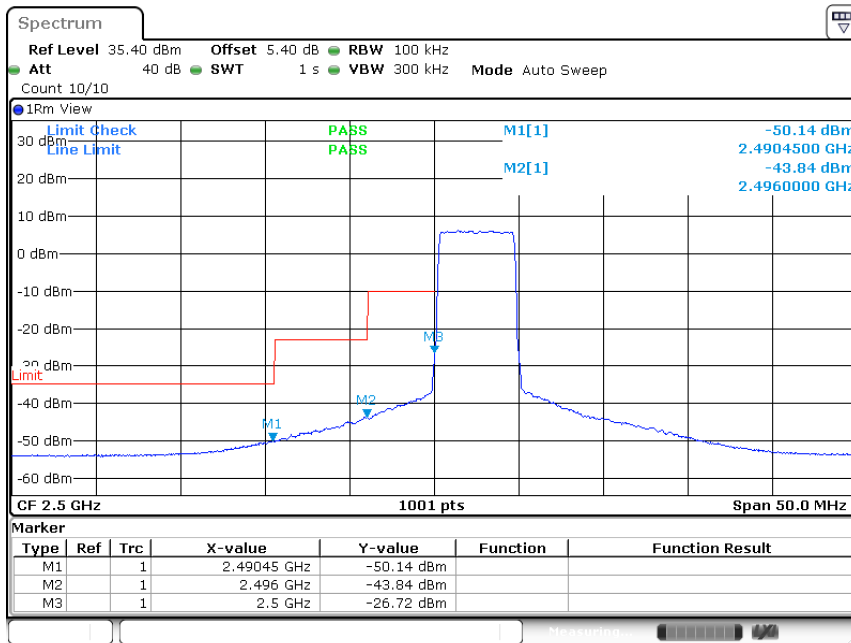


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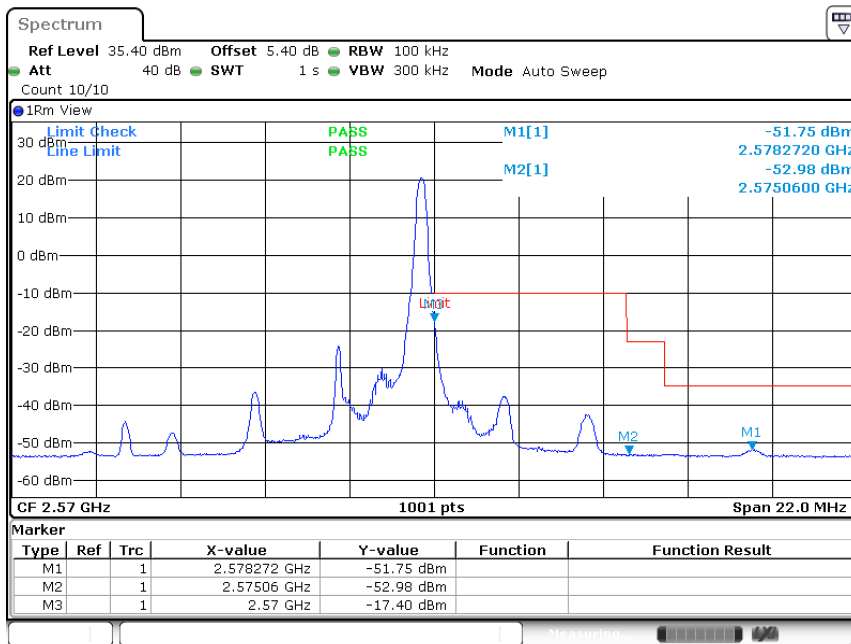
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Band7-5MHz-16QAM-20775-25RB#0



Date: 28.AUG.2020 09:12:15

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

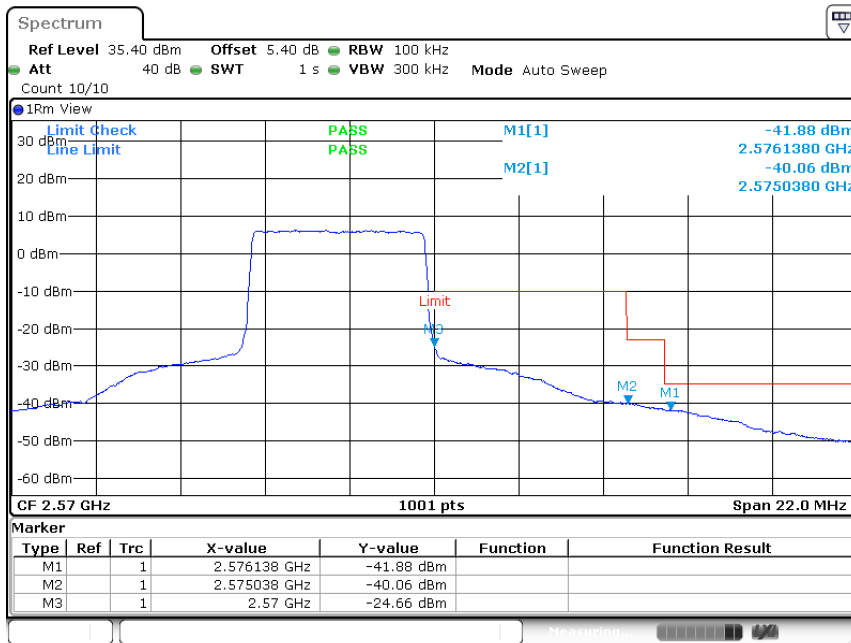


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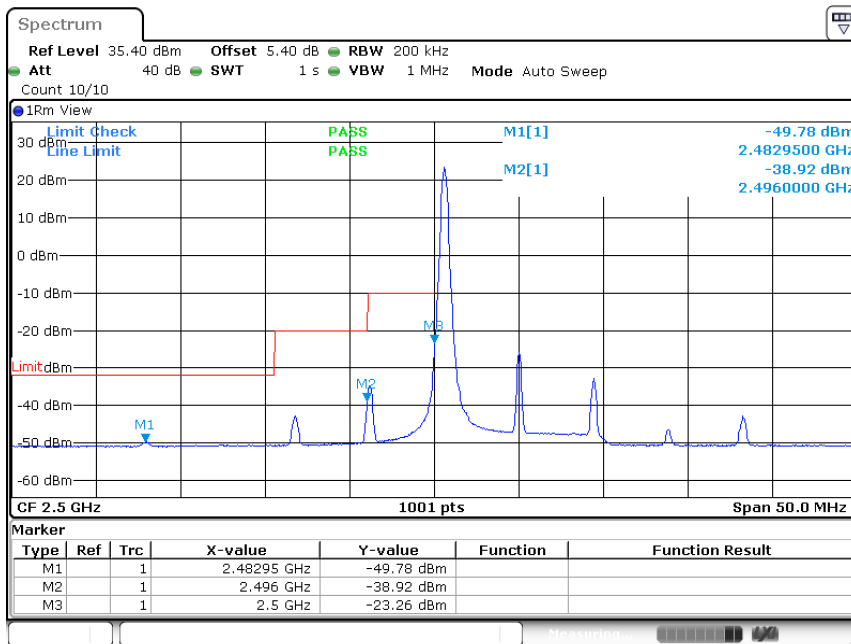
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Band7-5MHz-16QAM-21425-25RB#0



Date: 28.AUG.2020 09:12:58

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

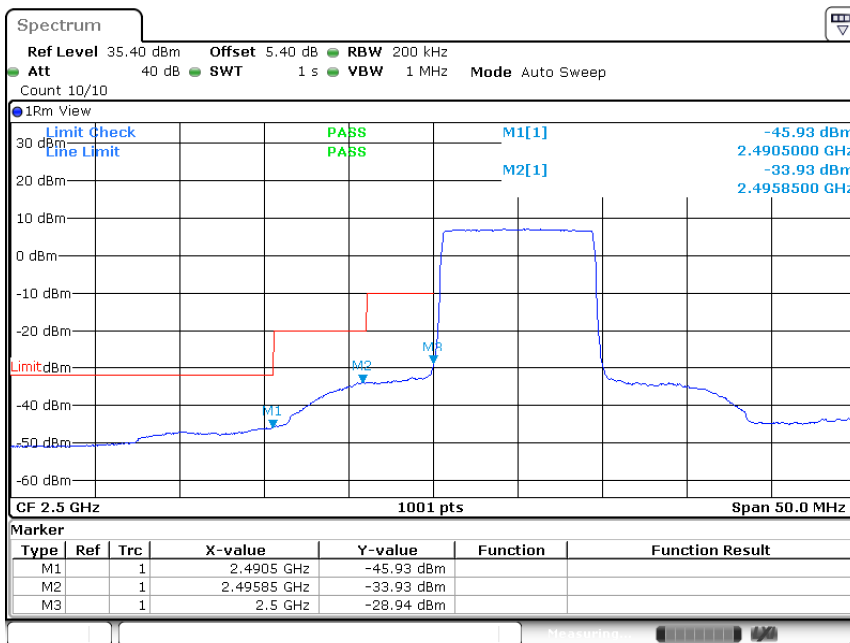


Date: 28.AUG.2020 09:13:25



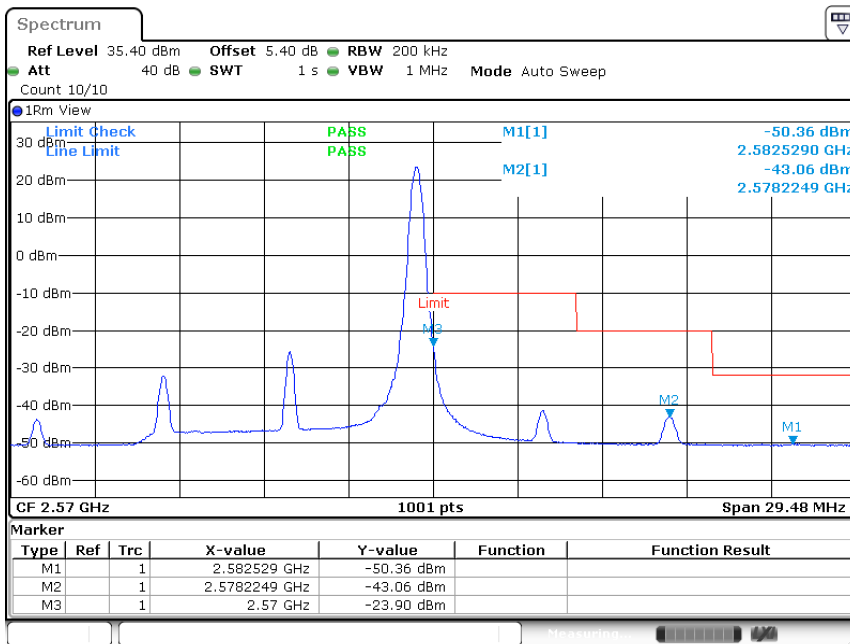
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Band7-10MHz-QPSK-20800-50RB#0



Date: 28.AUG.2020 09:14:58

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

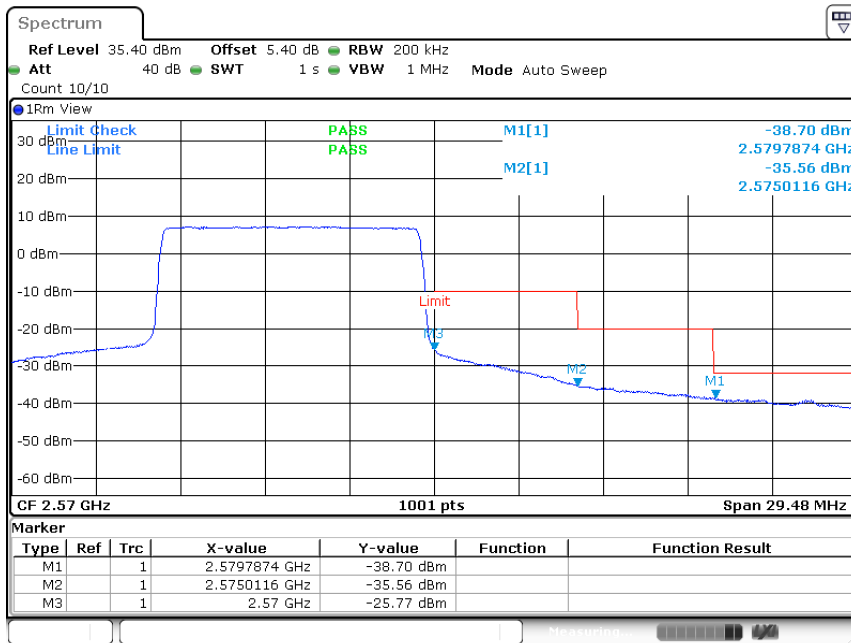


Date: 28.AUG.2020 09:14:11



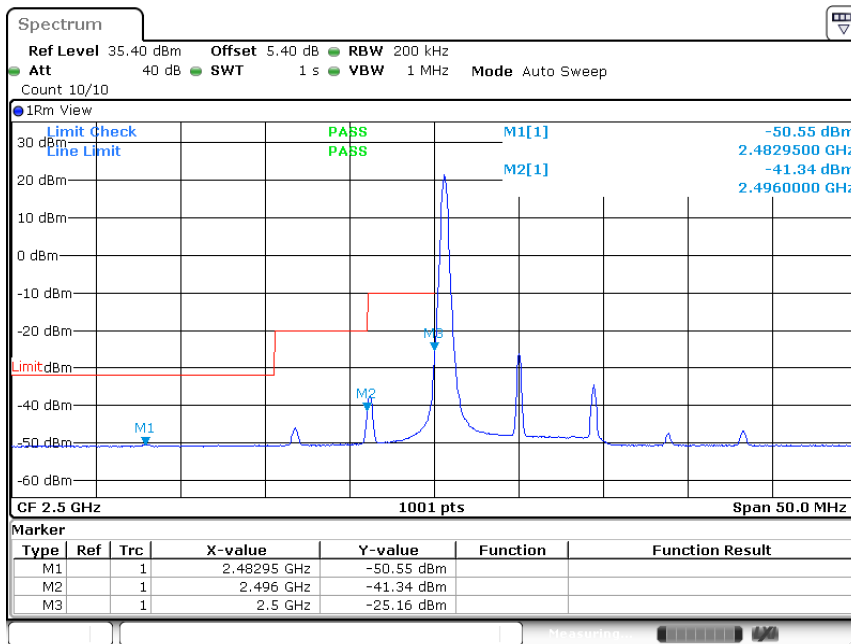
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Band7-10MHz-QPSK-21400-50RB#0



Date: 28.AUG.2020 09:15:40

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

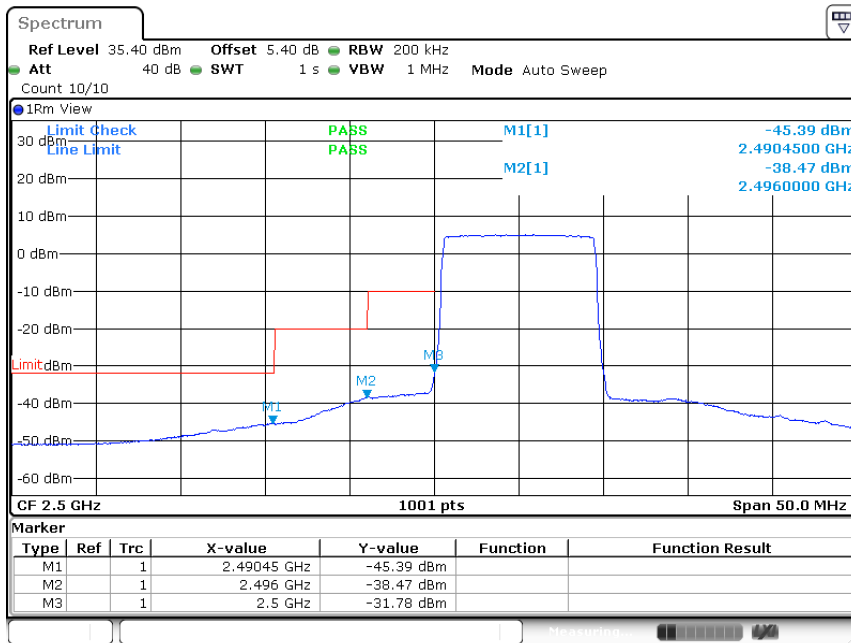


Date: 28.AUG.2020 10:01:05



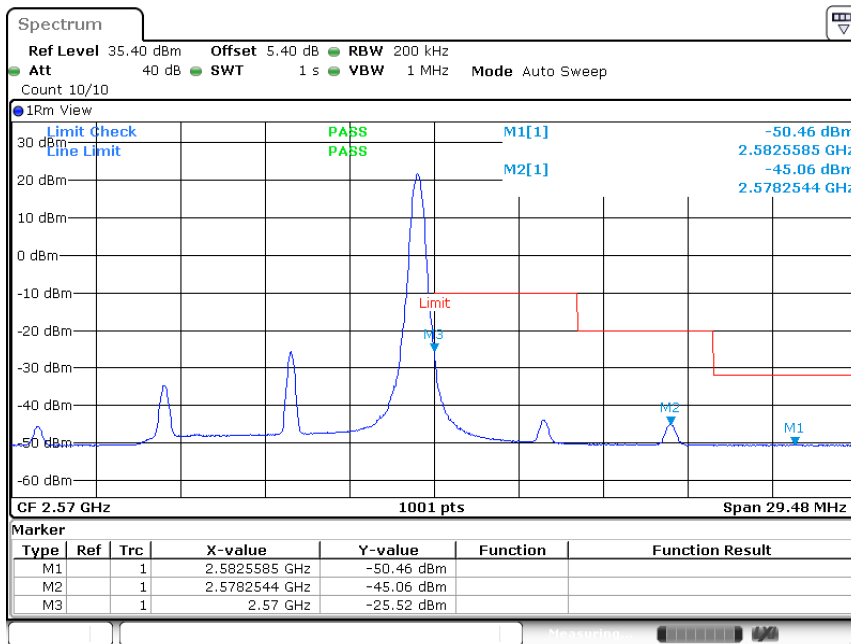
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Band7-10MHz-64QAM-20800-50RB#0



Date: 28.AUG.2020 10:02:09

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

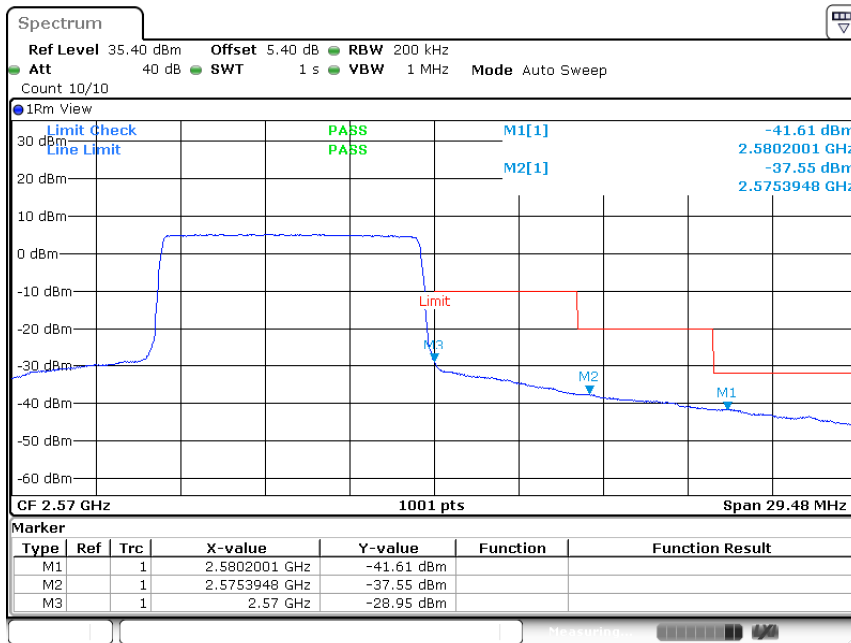


Date: 28.AUG.2020 10:01:32



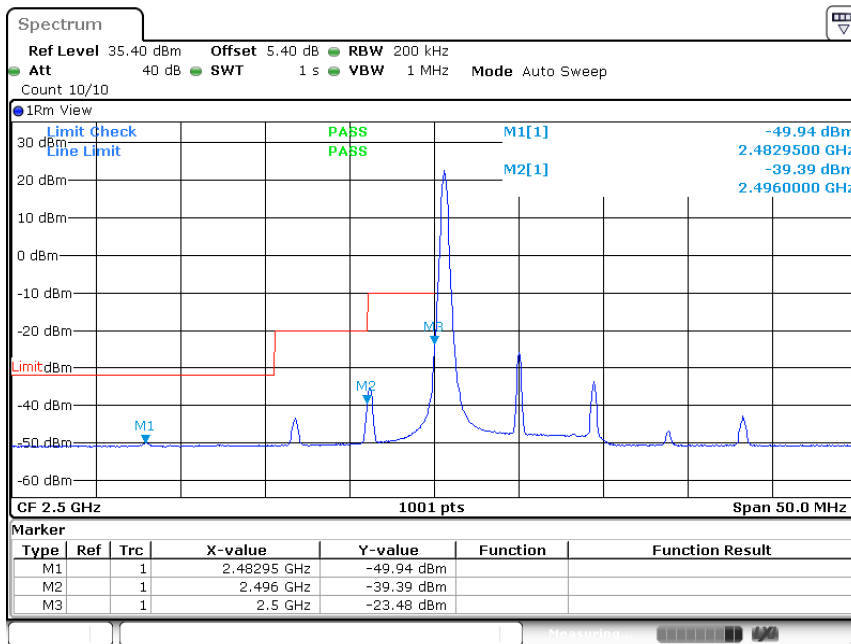
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Band7-10MHz-64QAM-21400-50RB#0



Date: 28.AUG.2020 10:02:30

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

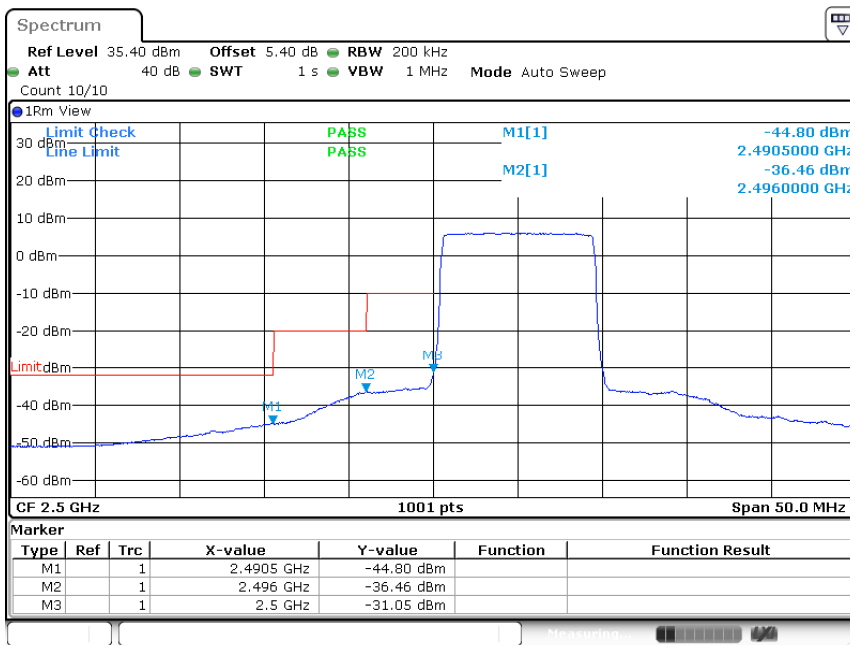


Date: 28.AUG.2020 09:13:46



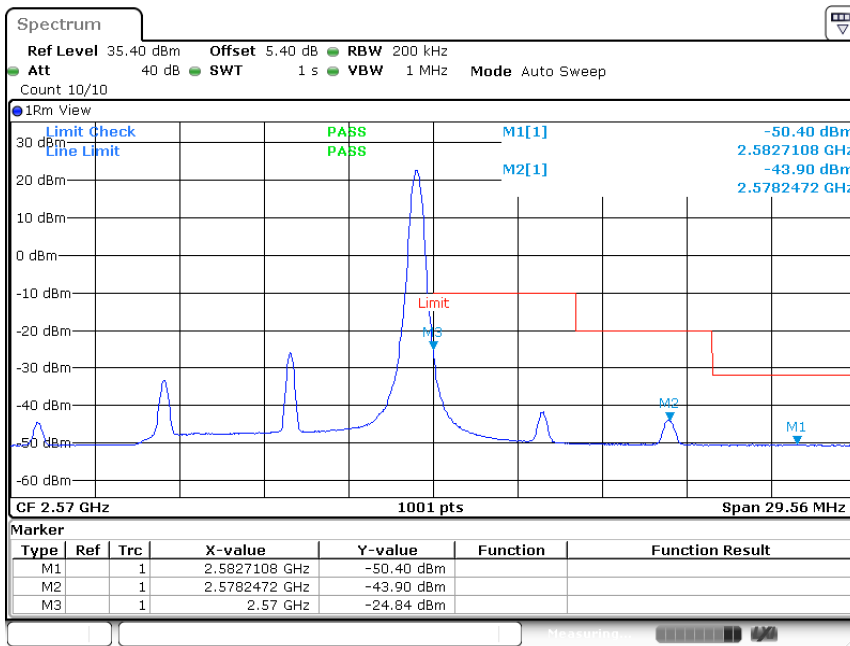
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Band7-10MHz-16QAM-20800-50RB#0



Date: 28.AUG.2020 09:15:19

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

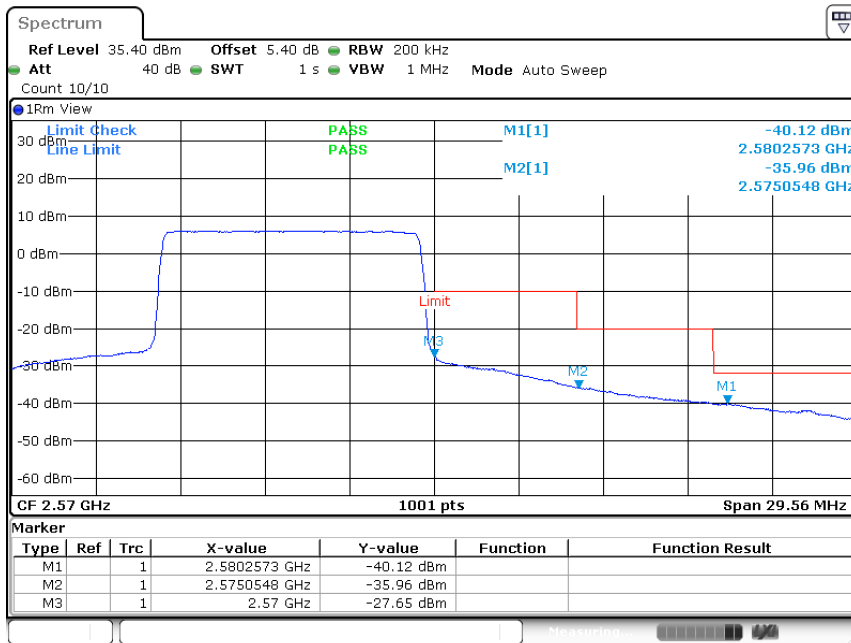


Date: 28.AUG.2020 09:14:32



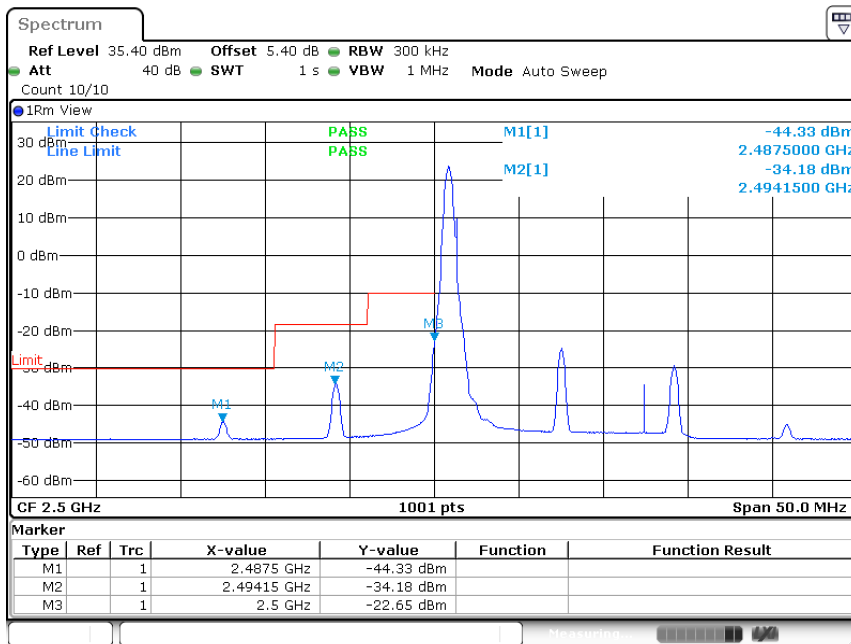
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Band7-10MHz-16QAM-21400-50RB#0



Date: 28.AUG.2020 09:16:01

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

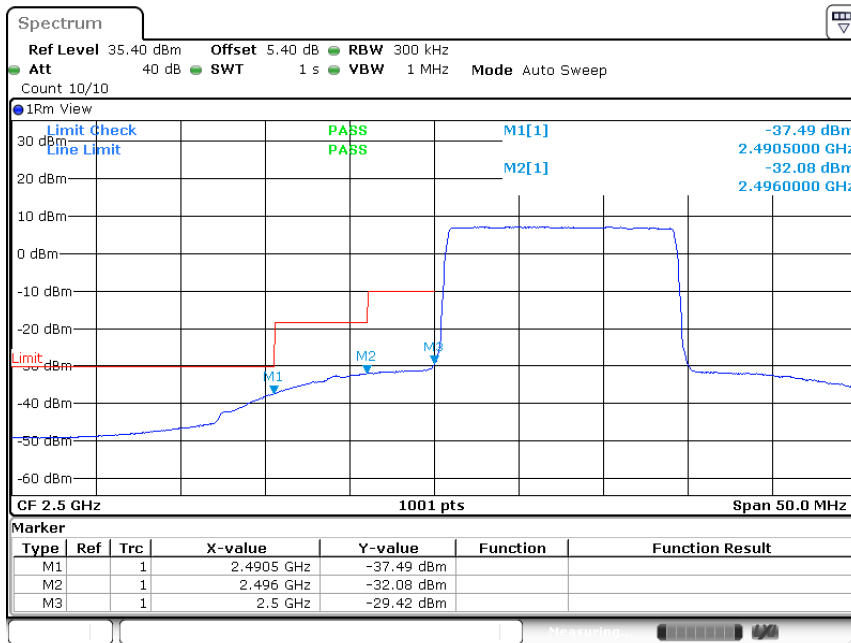


Date: 28.AUG.2020 09:16:28



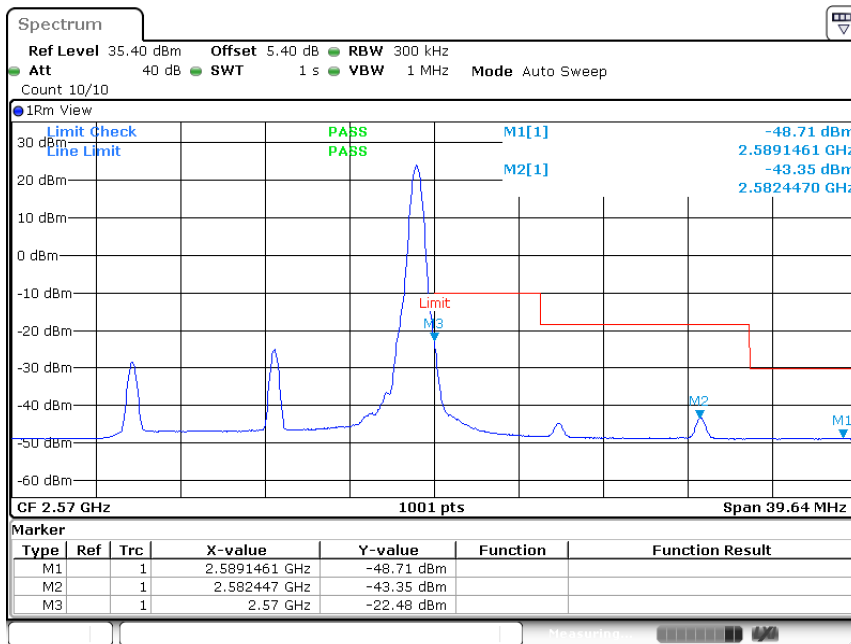
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Band7-15MHz-QPSK-20825-75RB#0



Date: 28.AUG.2020 09:18:01

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

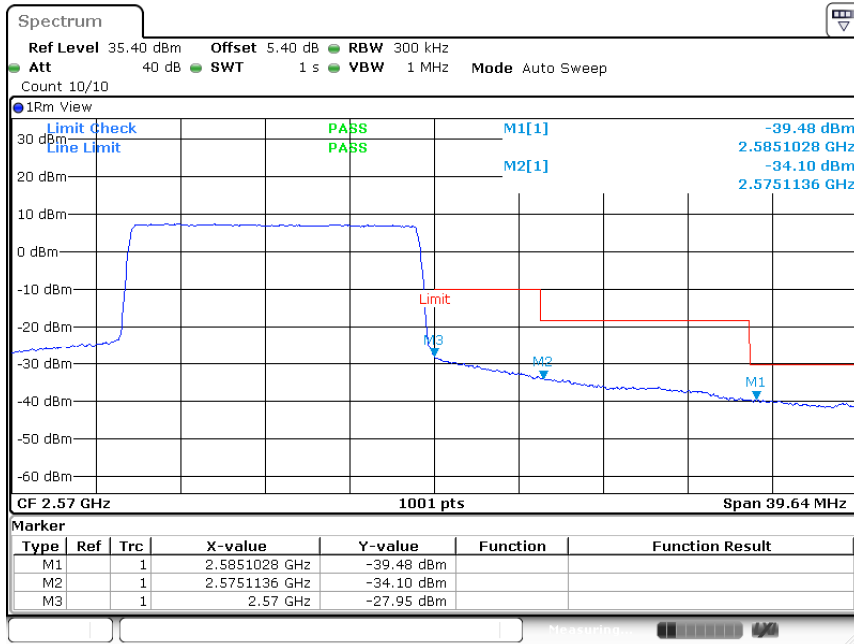


Date: 28.AUG.2020 09:17:15



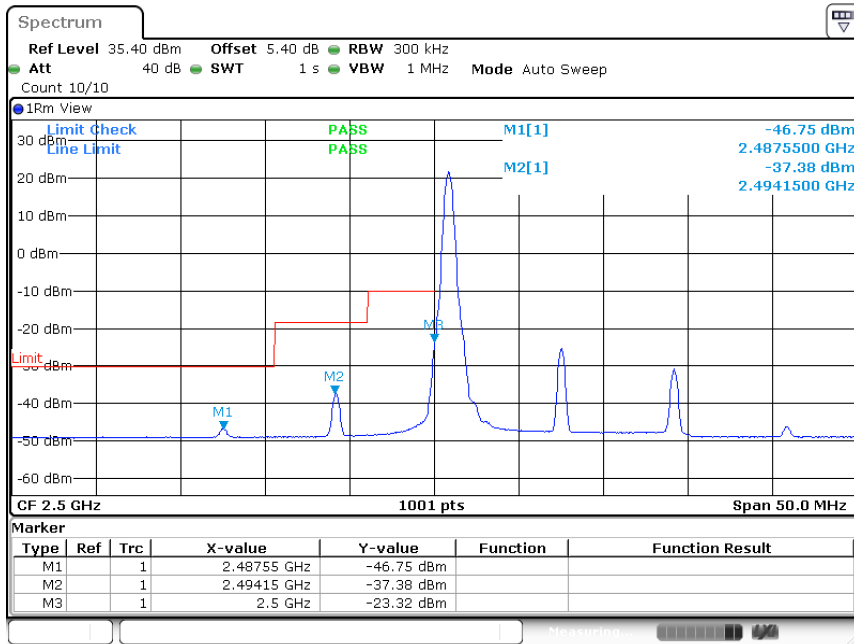
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Band7-15MHz-QPSK-21375-75RB#0



Date: 28.AUG.2020 09:18:43

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

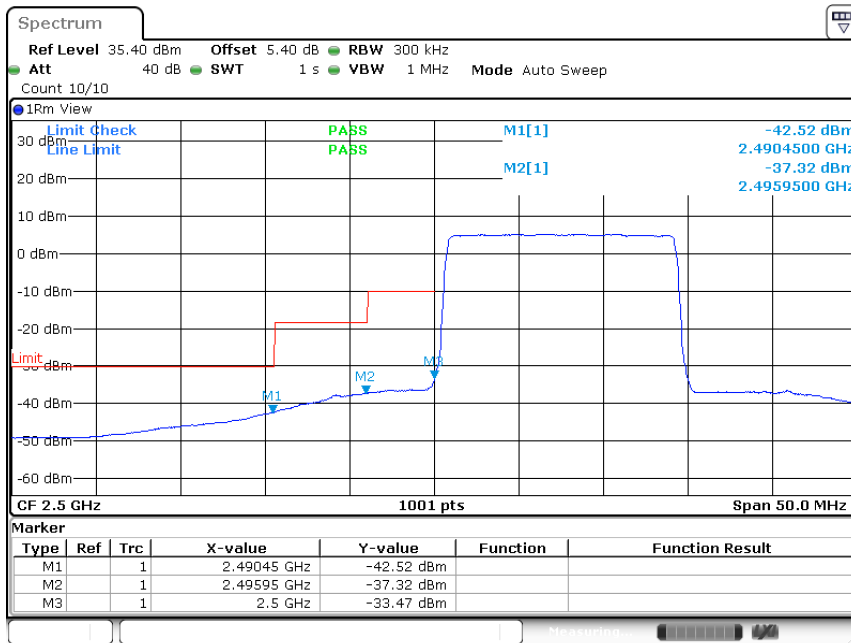


Date: 28.AUG.2020 10:03:00



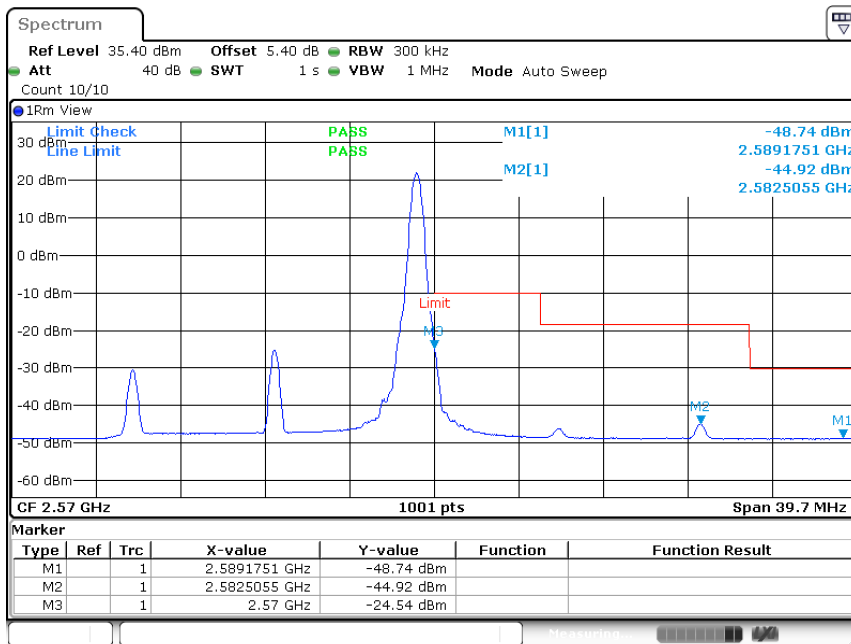
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Band7-15MHz-64QAM-20825-75RB#0



Date: 28.AUG.2020 10:04:00

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

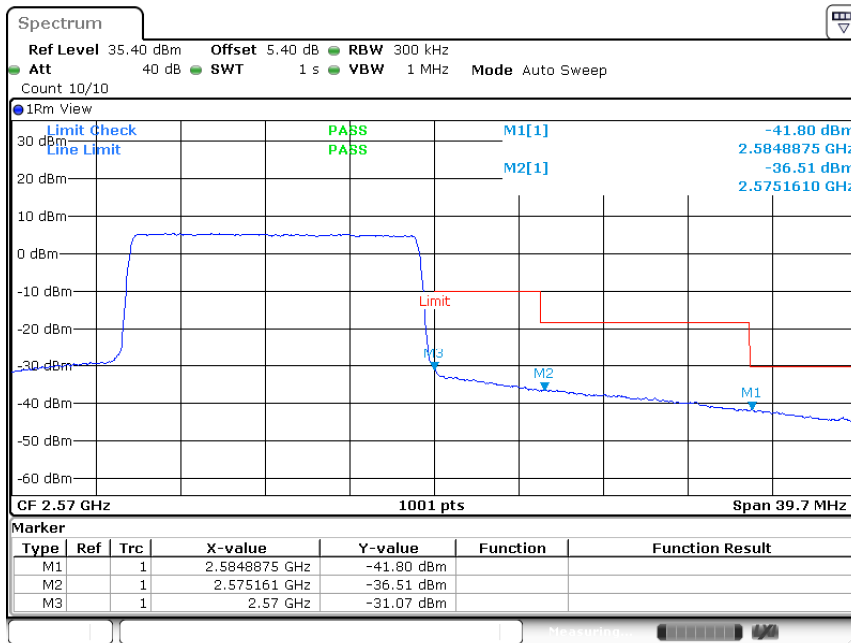


Date: 28.AUG.2020 10:03:27



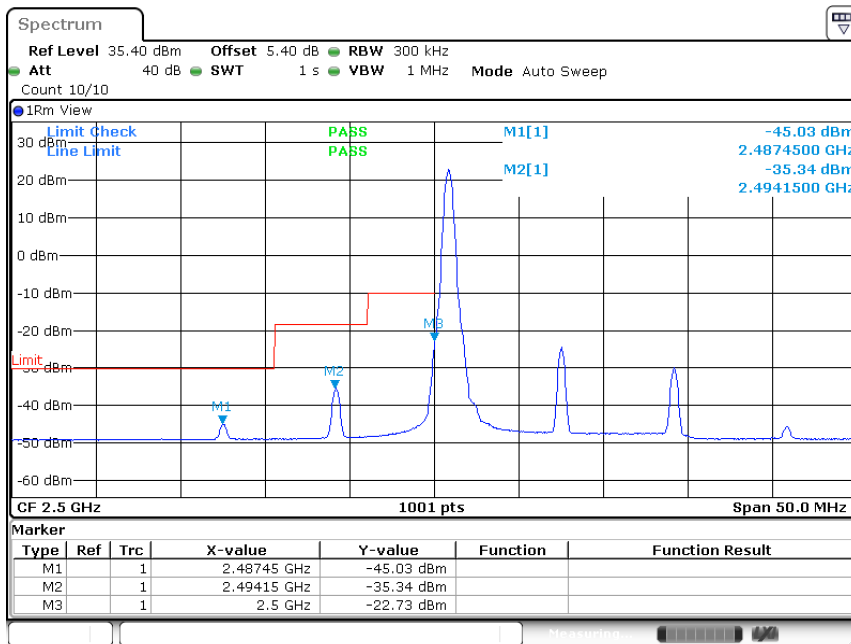
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Band7-15MHz-64QAM-21375-75RB#0



Date: 28.AUG.2020 10:04:22

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

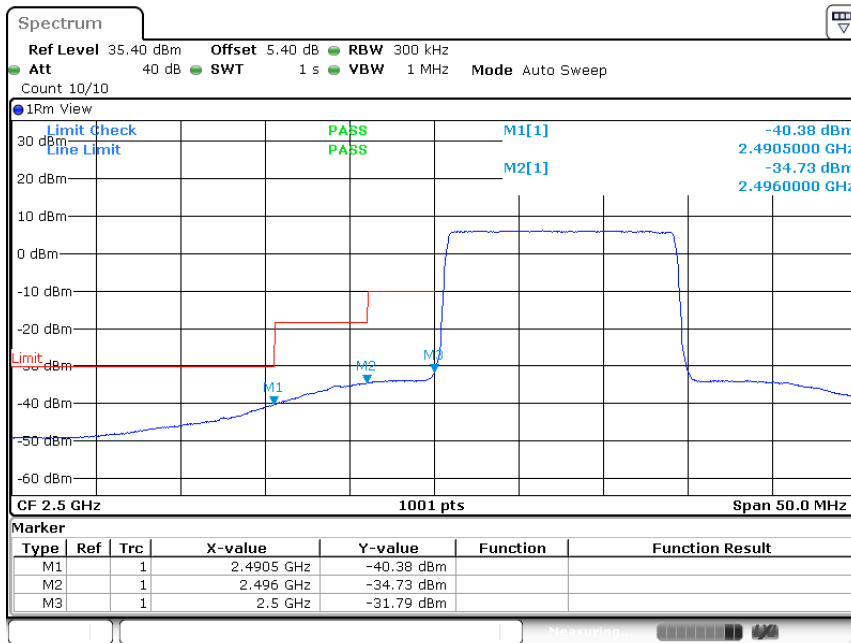


Date: 28.AUG.2020 09:16:49



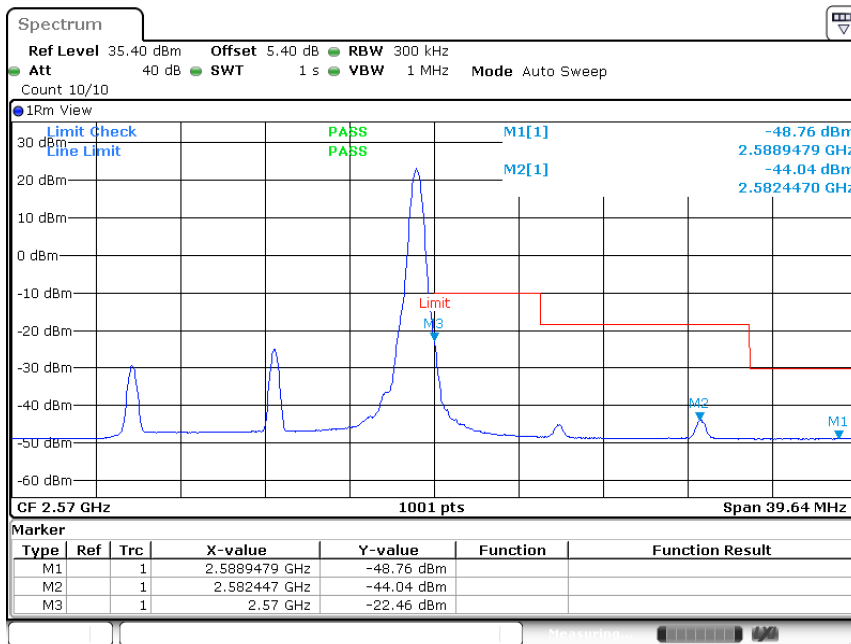
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Band7-15MHz-16QAM-20825-75RB#0



Date: 28.AUG.2020 09:18:22

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

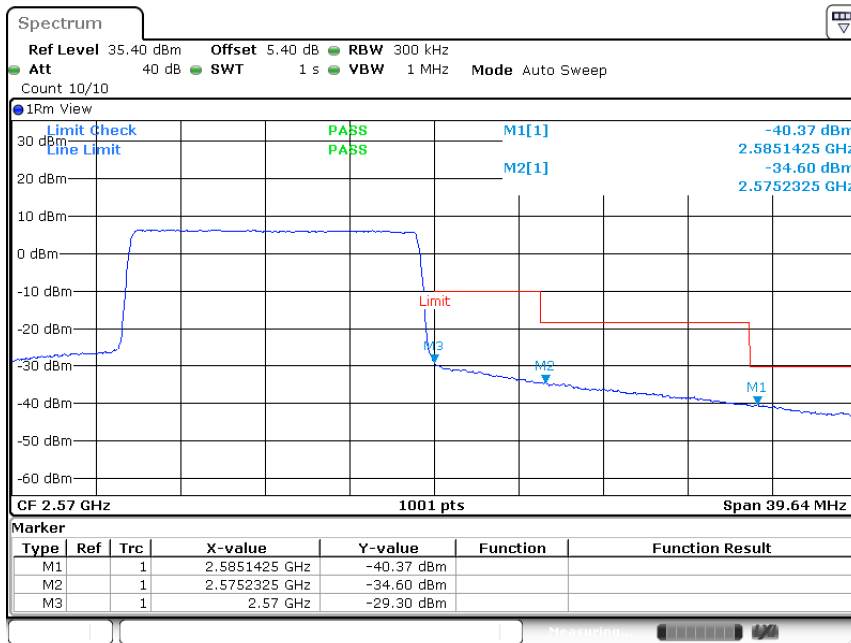


Date: 28.AUG.2020 09:17:36



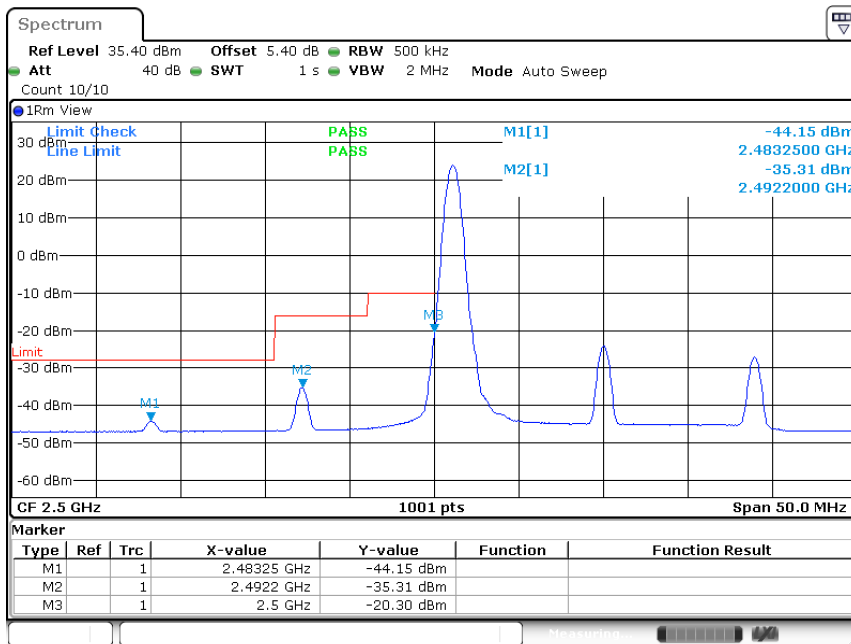
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Band7-15MHz-16QAM-21375-75RB#0



Date: 28.AUG.2020 09:19:04

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

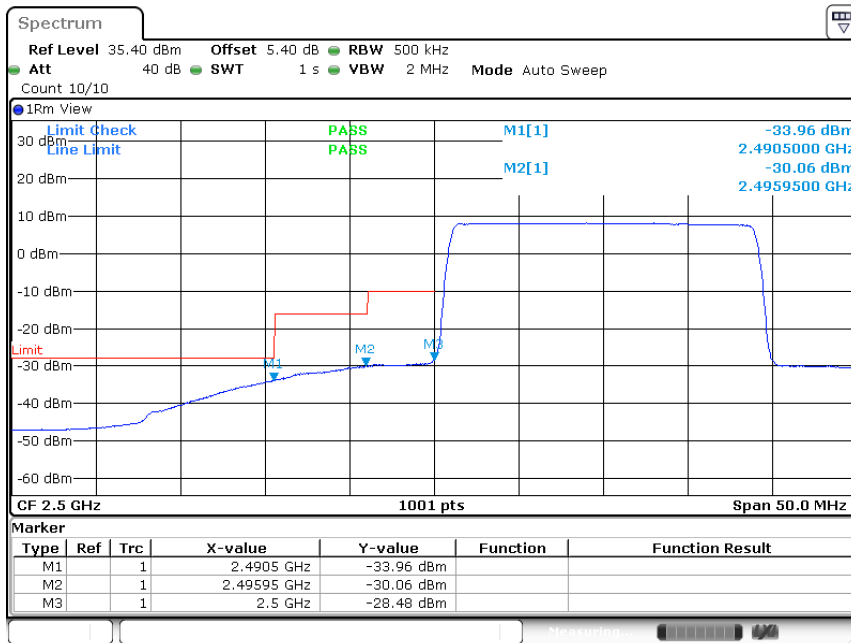


Date: 28.AUG.2020 09:19:31



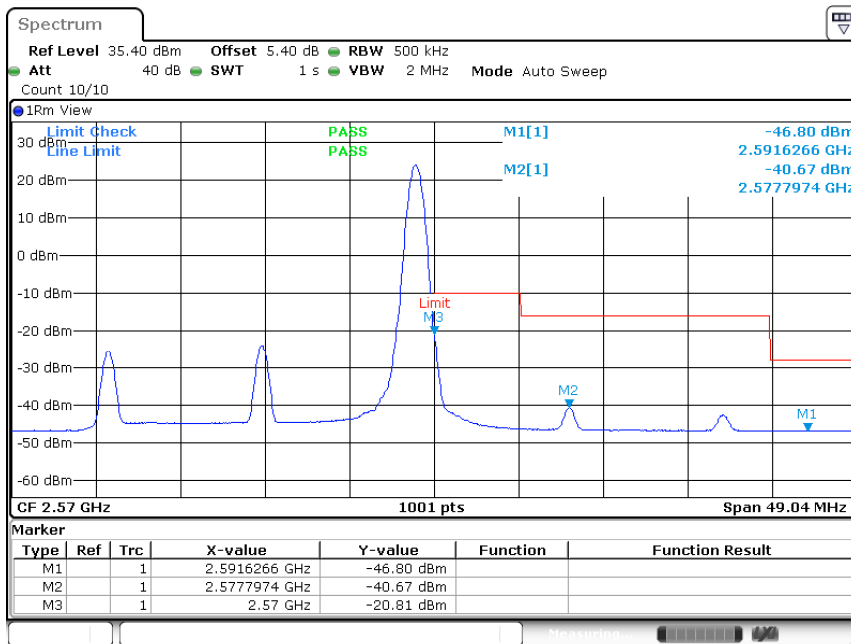
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Band7-20MHz-QPSK-20850-100RB#0



Date: 28.AUG.2020 09:21:05

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

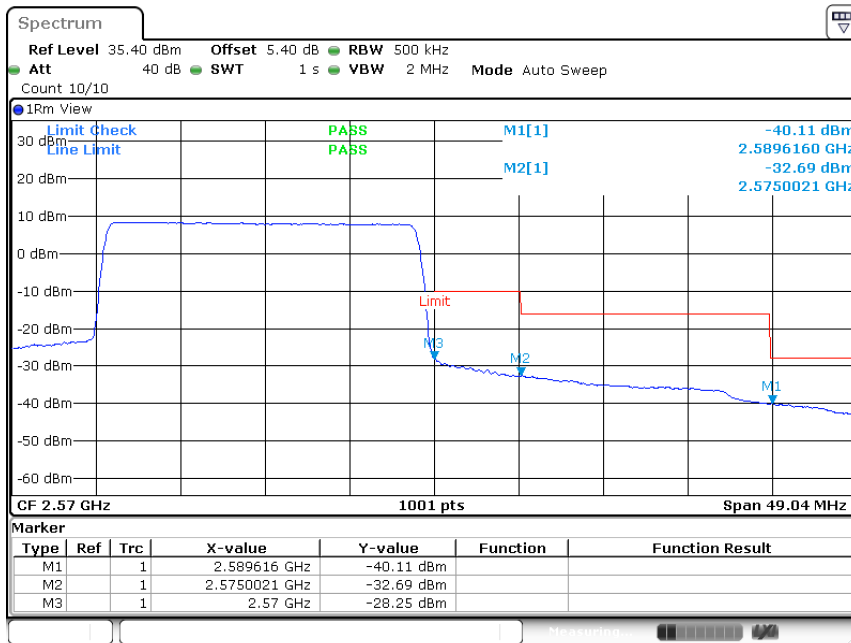


Date: 28.AUG.2020 09:20:18



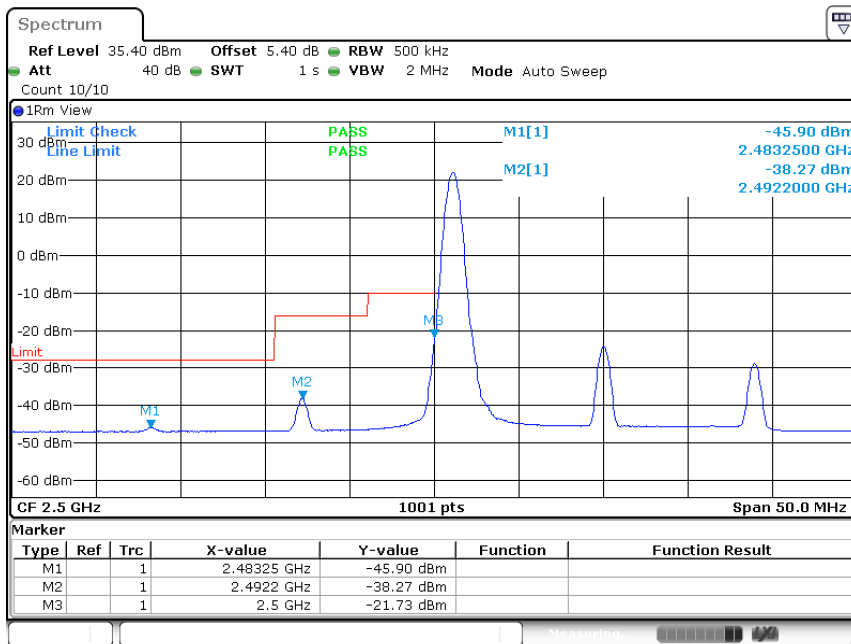
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Band7-20MHz-QPSK-21350-100RB#0



Date: 28.AUG.2020 09:21:48

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

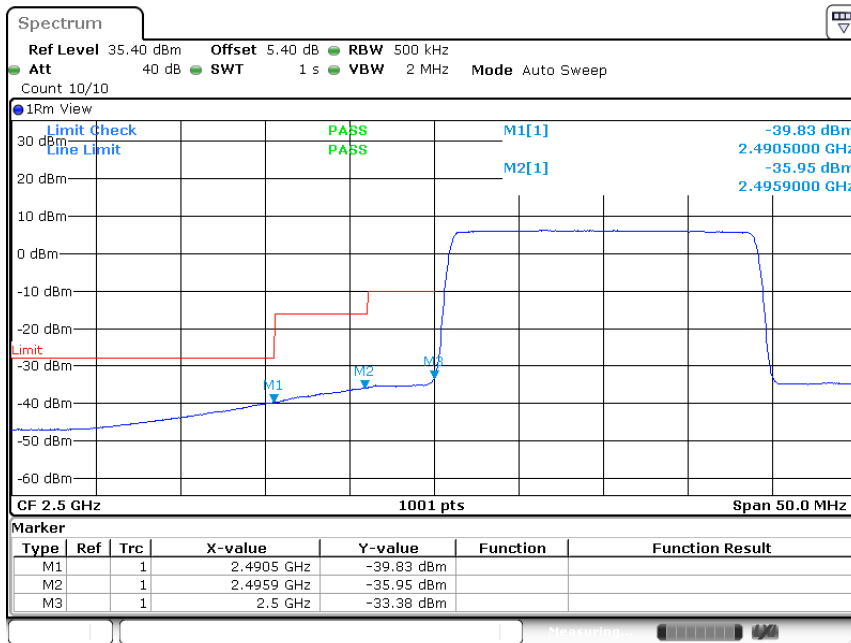


Date: 28.AUG.2020 10:04:51



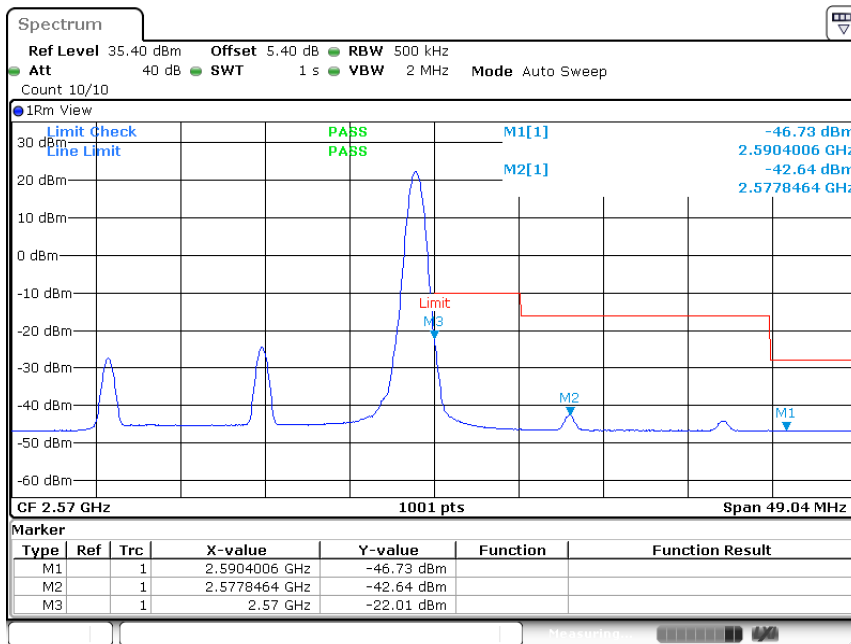
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Band7-20MHz-64QAM-20850-100RB#0



Date: 28.AUG.2020 10:05:54

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

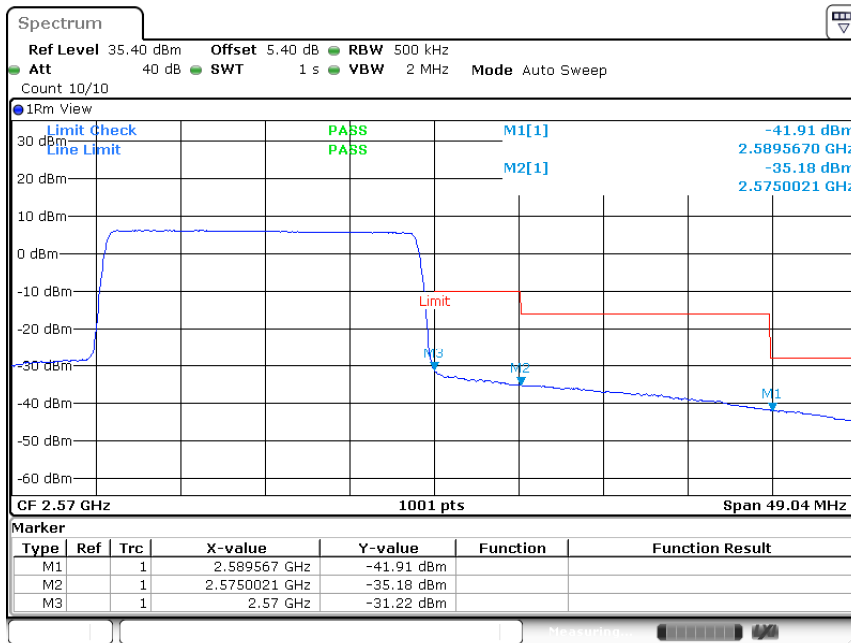


Date: 28.AUG.2020 10:05:18



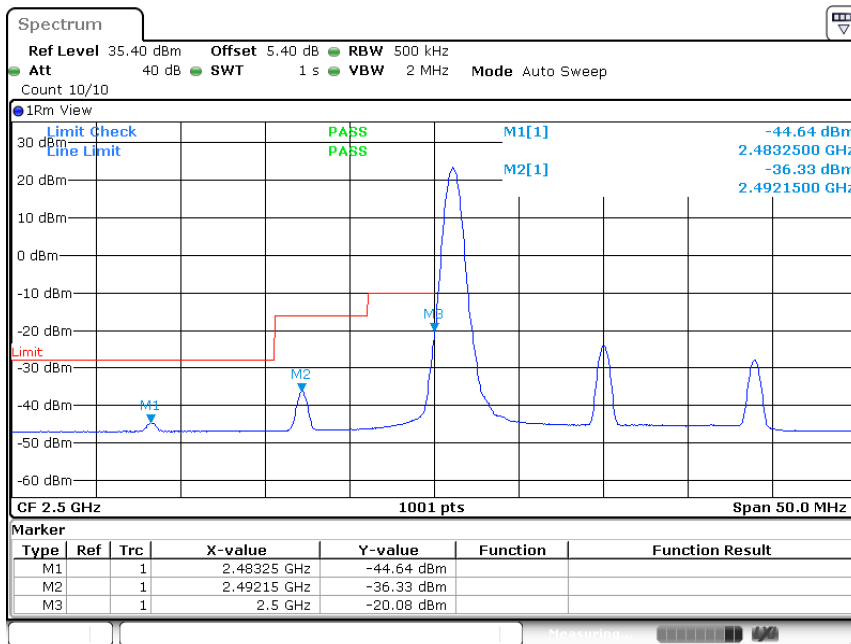
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Band7-20MHz-64QAM-21350-100RB#0



Date: 28.AUG.2020 10:06:16

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

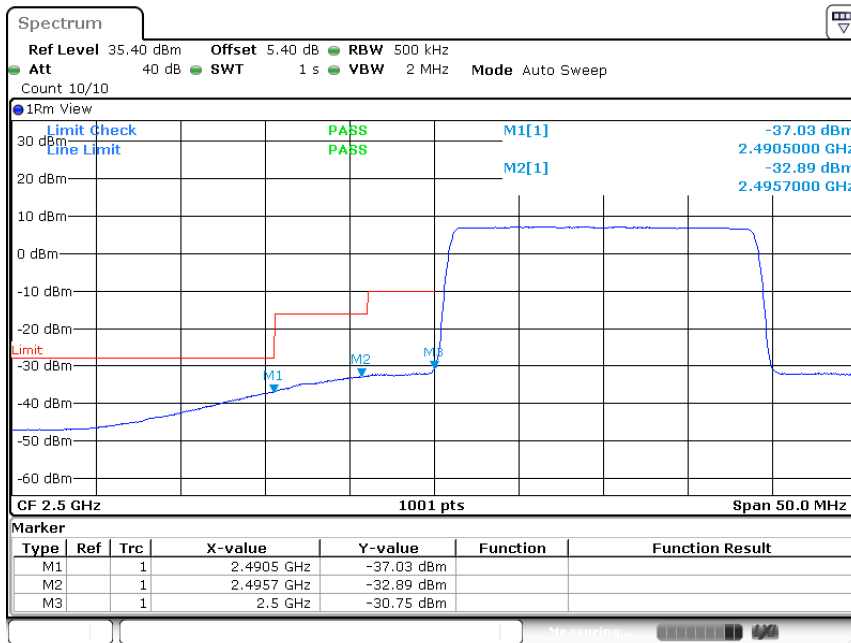


Date: 28.AUG.2020 09:19:52



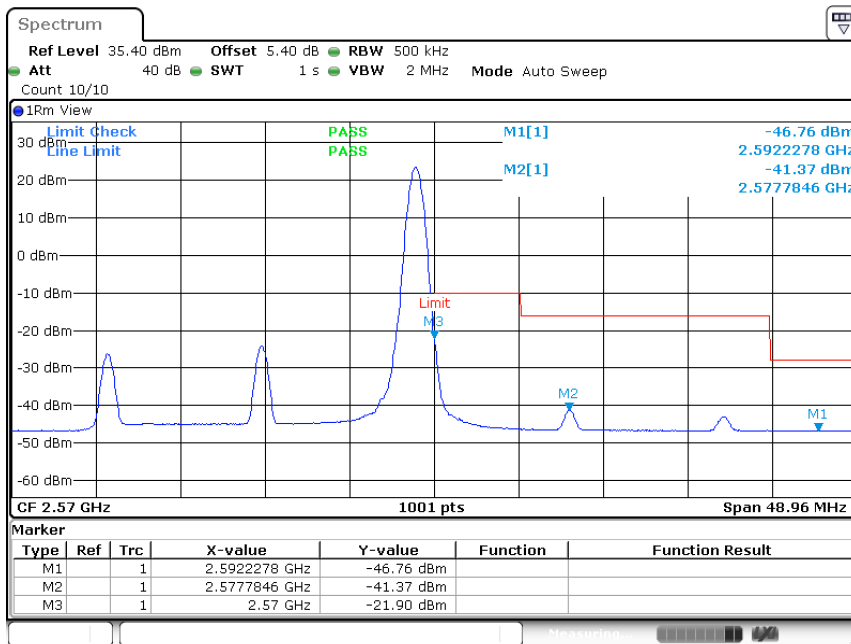
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Band7-20MHz-16QAM-20850-100RB#0



Date: 28.AUG.2020 09:21:26

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

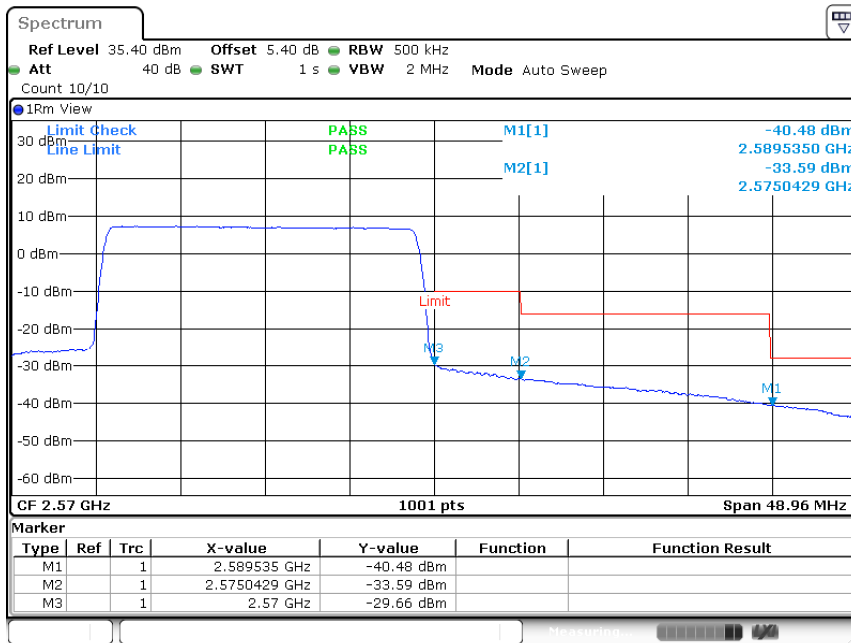


Date: 28.AUG.2020 09:20:39



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



Date: 28.AUG.2020 09:22:09



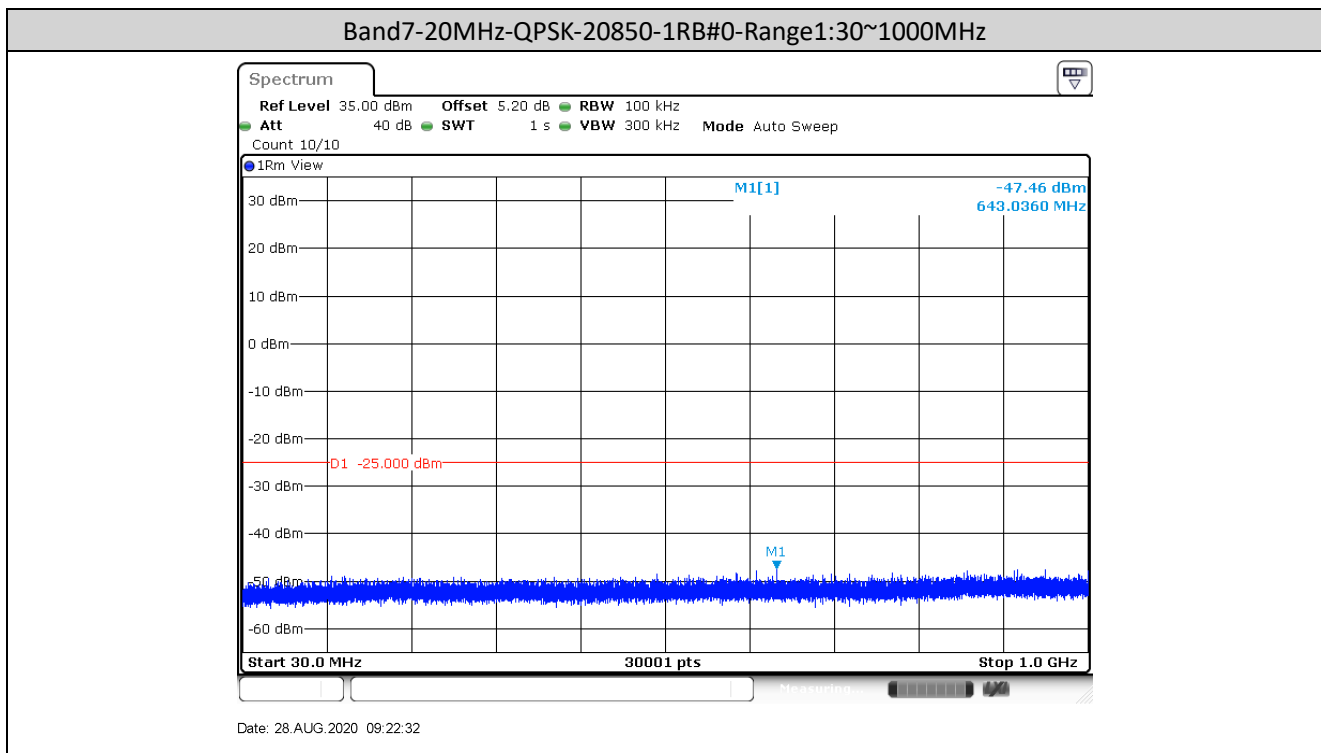
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6. Spurious Emission at Antenna Terminal

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

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

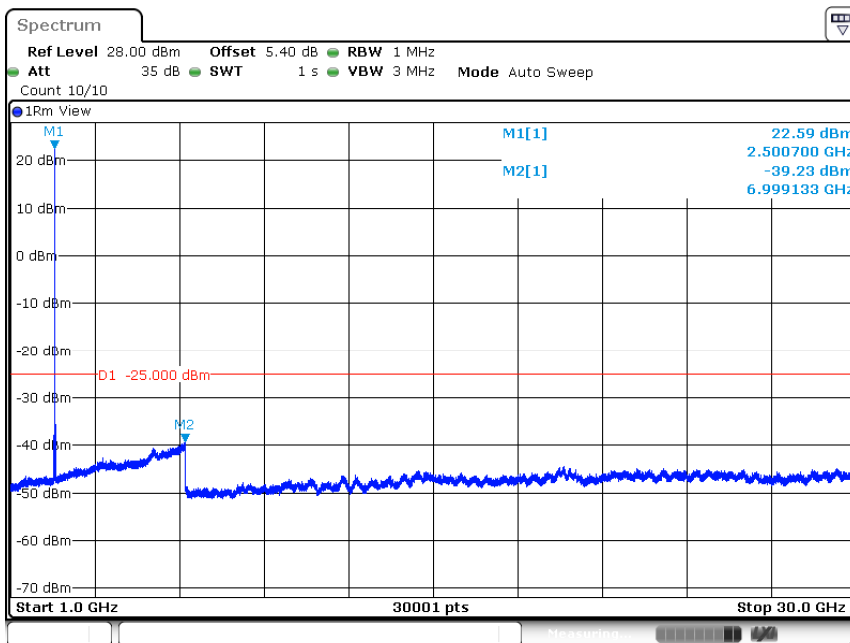
6.1. Test Plots



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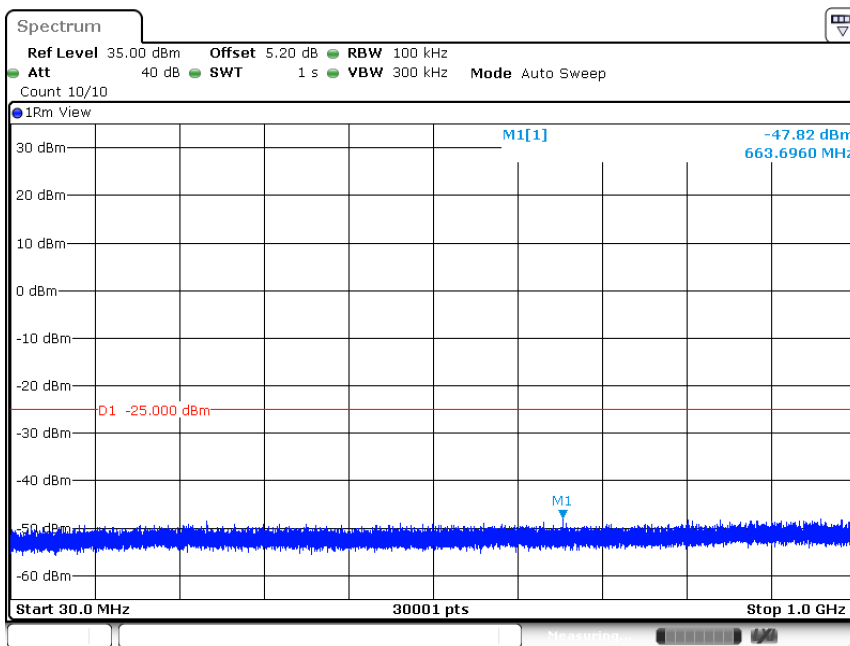
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Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~30000MHz



Date: 28.AUG.2020 09:22:48

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



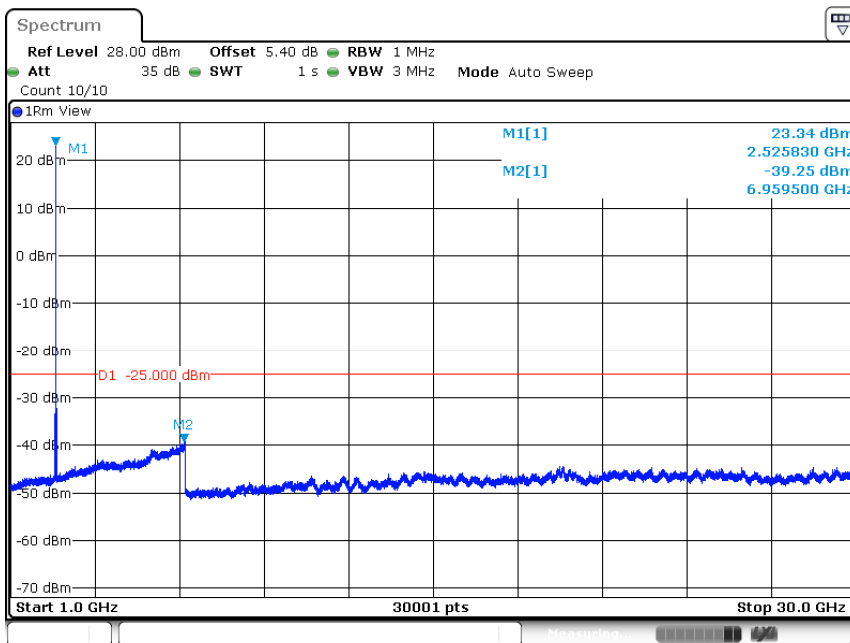
Date: 28.AUG.2020 09:23:42



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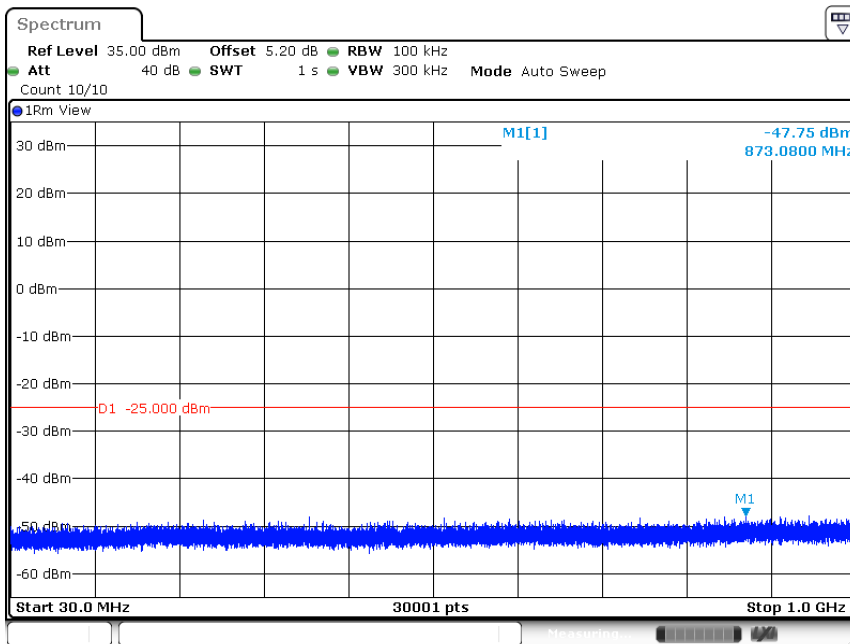
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Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~30000MHz



Date: 28.AUG.2020 09:23:58

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

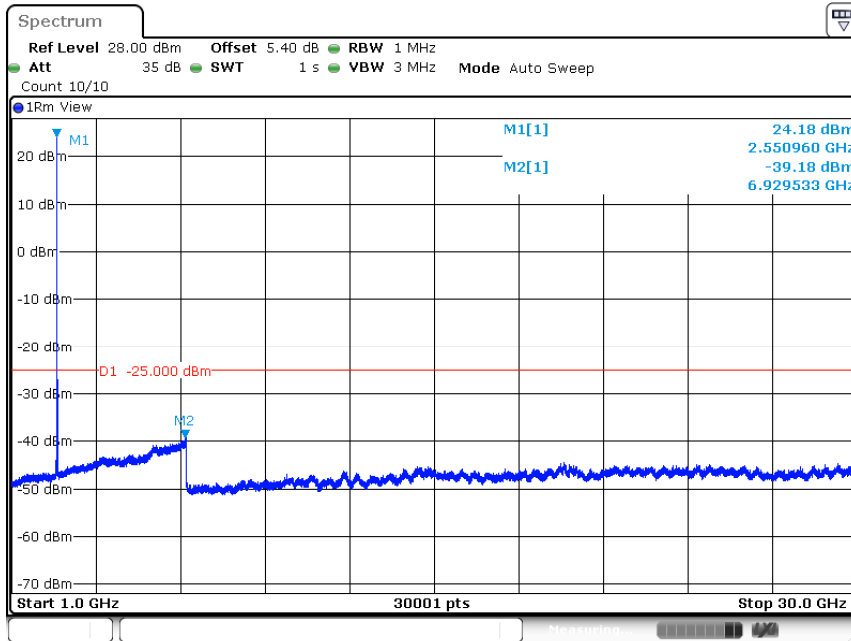


Date: 28.AUG.2020 09:24:51



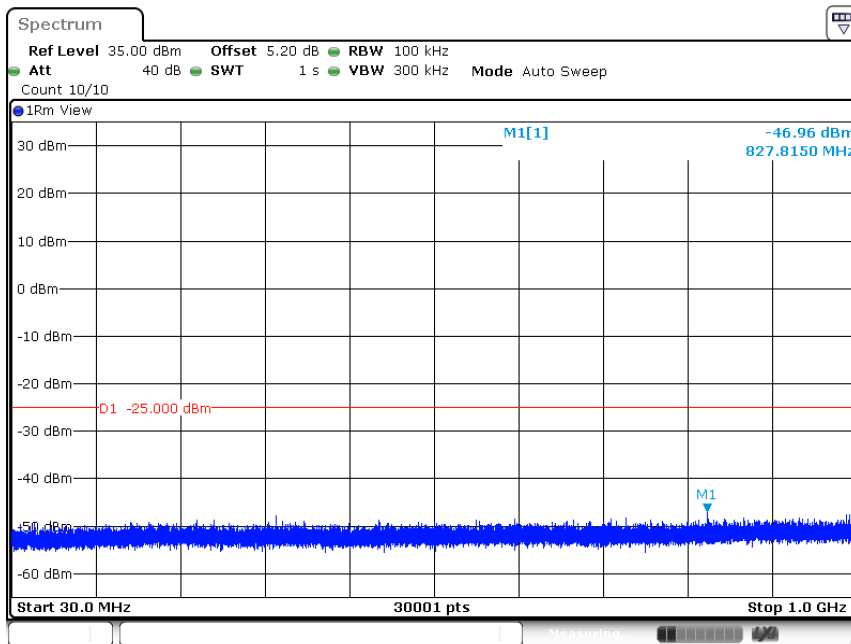
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Band7-20MHz-QPSK-21350-1RB#0-Range2:1000~30000MHz



Date: 28.AUG.2020 09:25:08

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



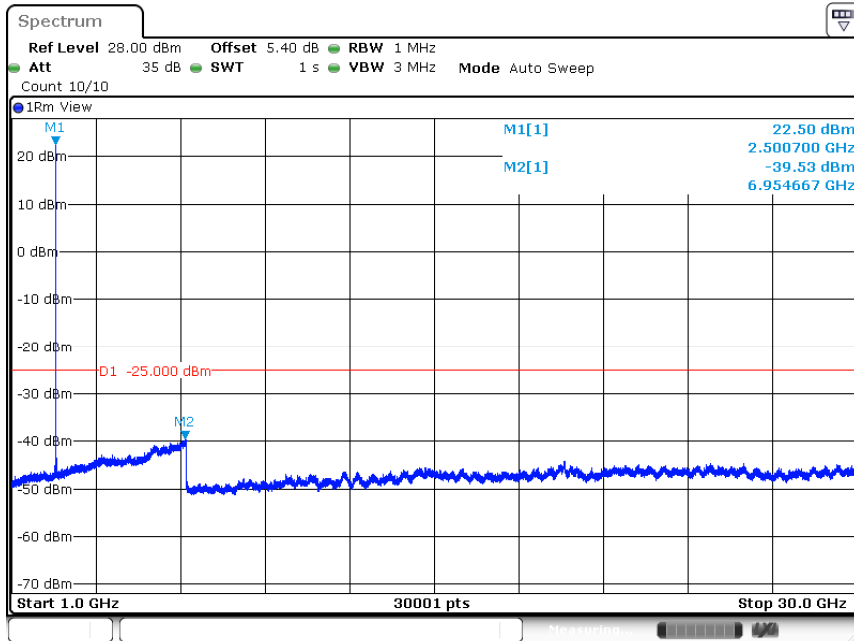
Date: 28.AUG.2020 10:06:41



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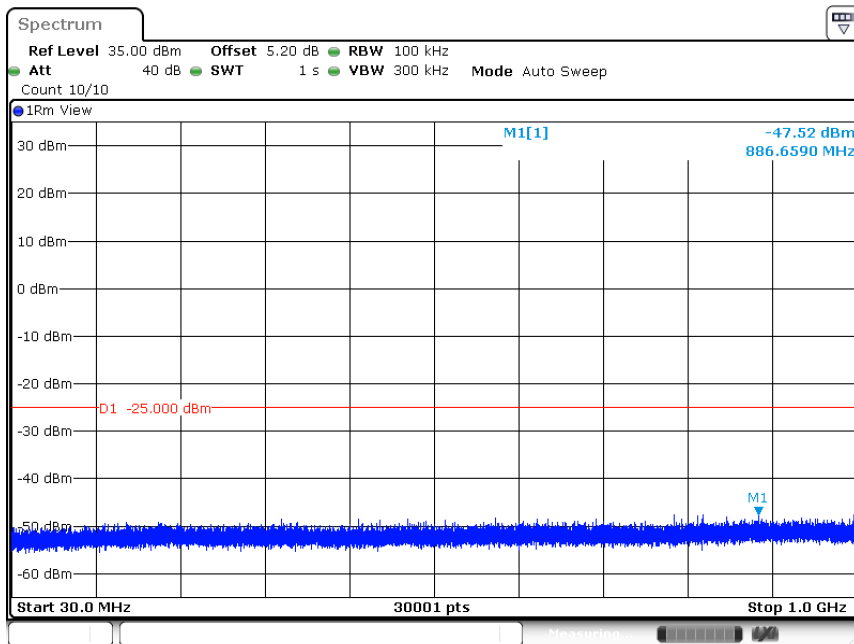
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Band7-20MHz-64QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 28.AUG.2020 10:06:57

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

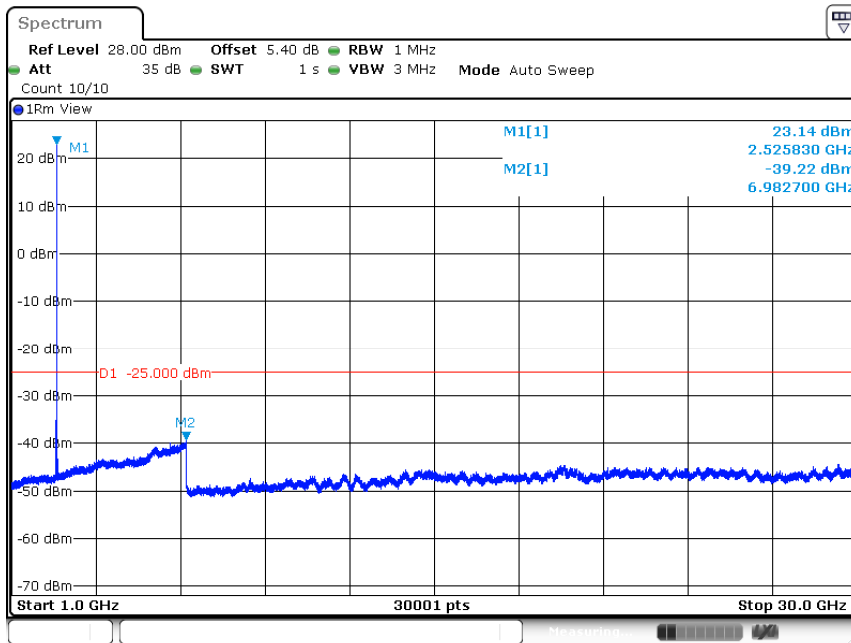


Date: 28.AUG.2020 10:07:16



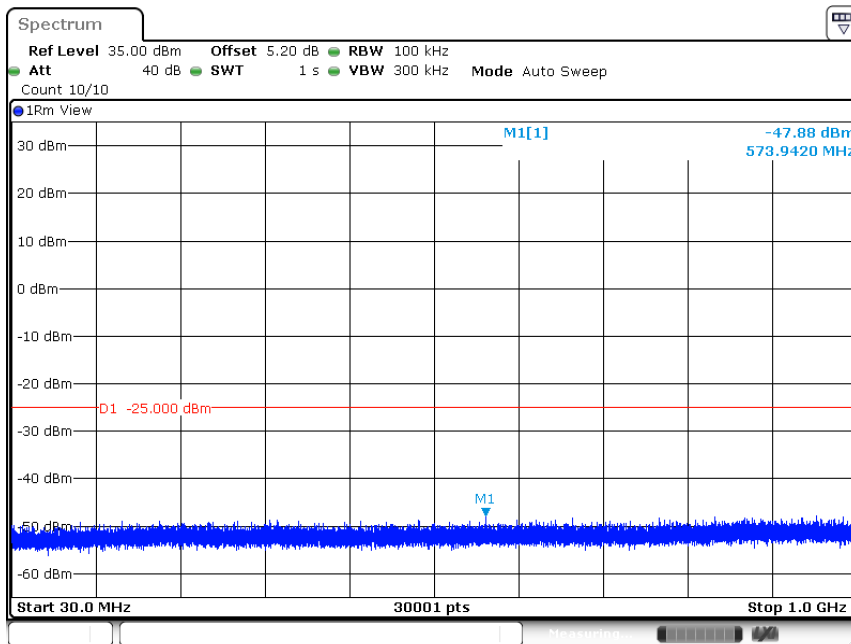
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Band7-20MHz-64QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 28.AUG.2020 10:07:33

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



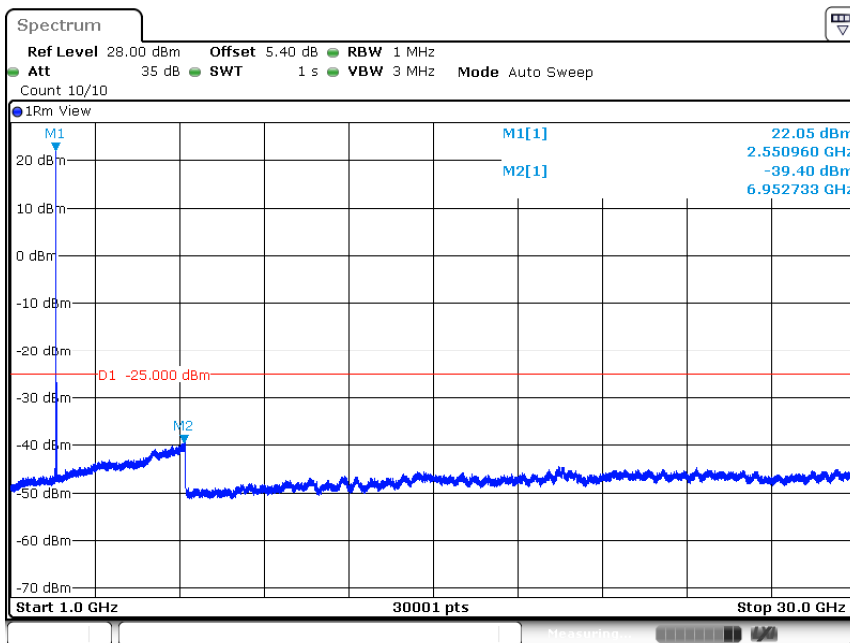
Date: 28.AUG.2020 10:07:52



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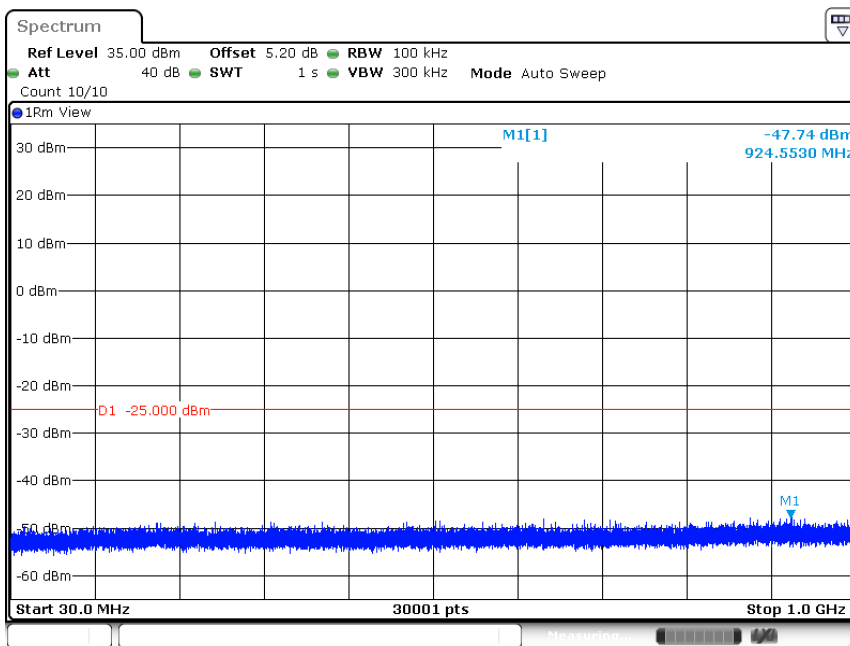
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Band7-20MHz-64QAM-21350-1RB#0-Range2:1000~30000MHz



Date: 28.AUG.2020 10:08:08

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



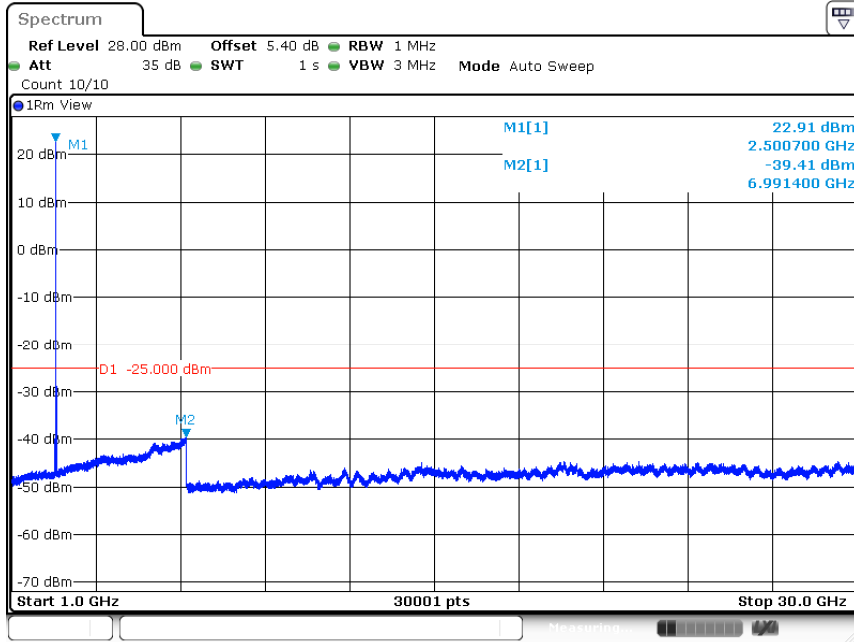
Date: 28.AUG.2020 09:23:07



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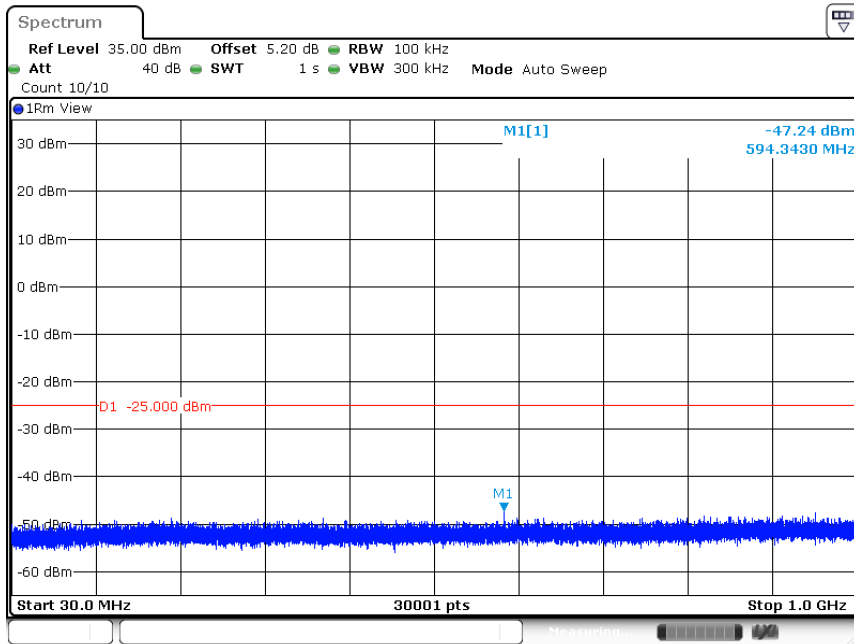
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Band7-20MHz-16QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 28.AUG.2020 09:23:23

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



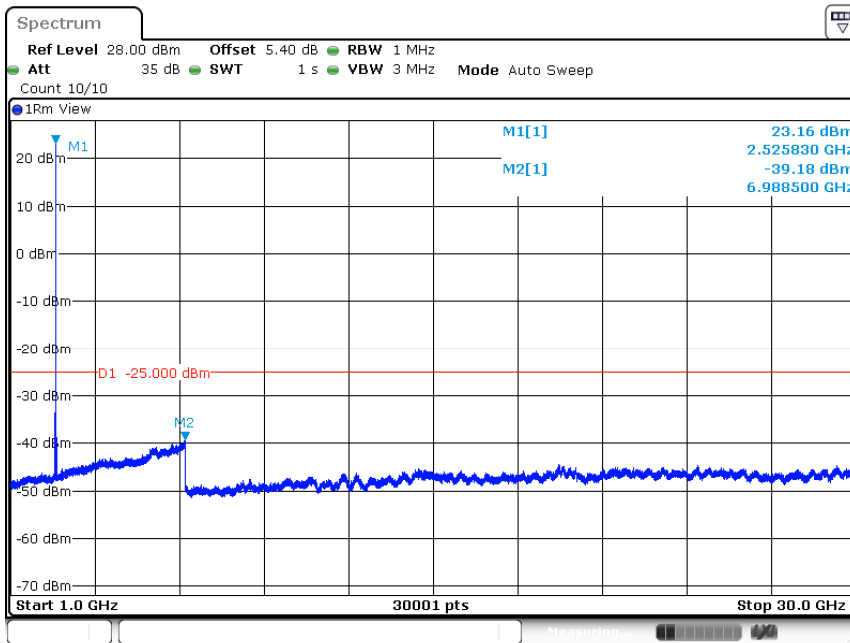
Date: 28.AUG.2020 09:24:16



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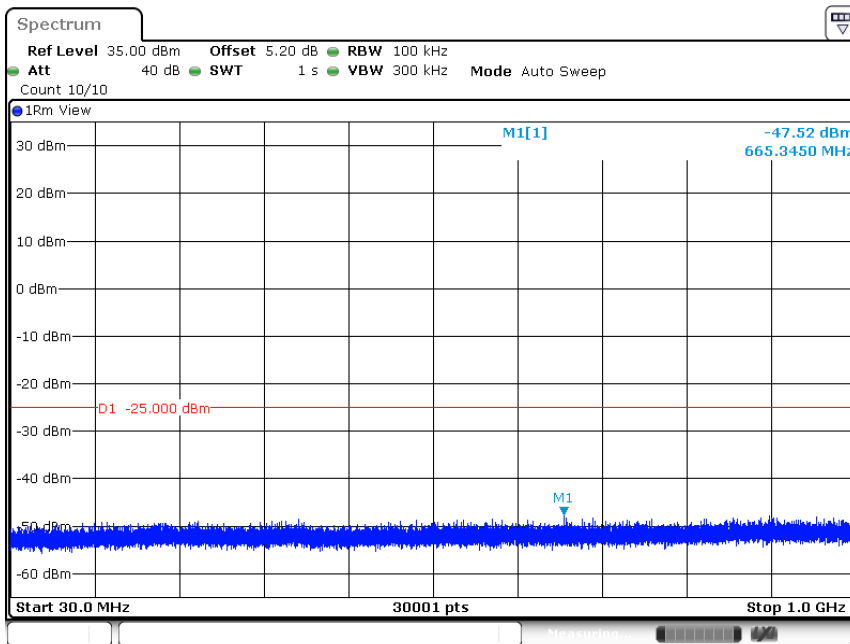
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Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 28.AUG.2020 09:24:33

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

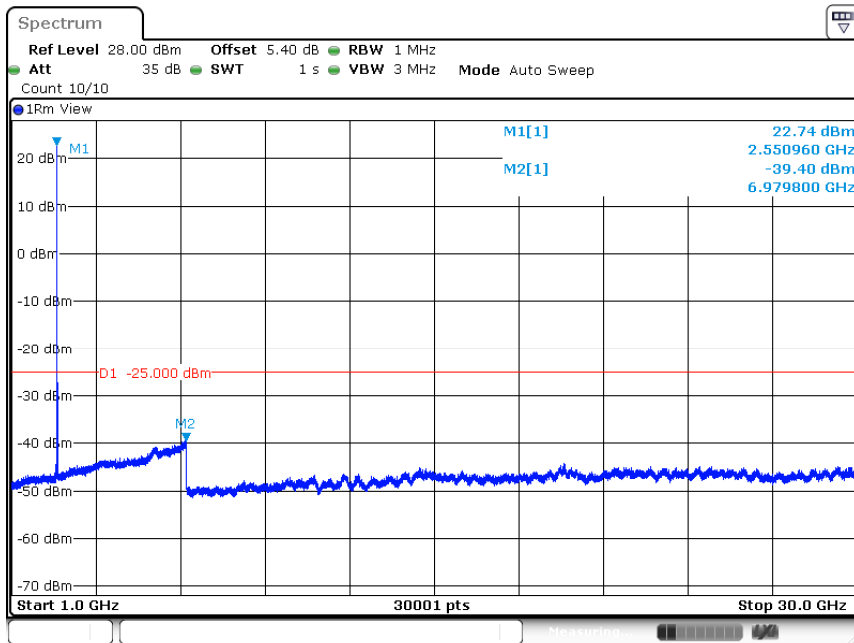


Date: 28.AUG.2020 09:25:26



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



Date: 28.AUG.2020 09:25:42



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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
113.1332	-66.29	-25.00	41.29	Vertical
706.3178	-64.54	-25.00	39.54	Vertical
1771.7544	-41.01	-25.00	16.01	Vertical
5002.2801	-56.50	-25.00	31.50	Vertical
14491.6597	-49.43	-25.00	24.43	Vertical
17998.1999	-42.38	-25.00	17.38	Vertical
44.0657	-65.15	-25.00	40.15	Horizontal
602.3286	-65.03	-25.00	40.03	Horizontal
1777.3555	-42.32	-25.00	17.32	Horizontal
3868.8348	-62.76	-25.00	37.76	Horizontal
9990.2796	-53.82	-25.00	28.82	Horizontal
16403.9362	-45.41	-25.00	20.41	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.8189	-70.18	-25.00	45.18	Vertical
114.0547	-65.75	-25.00	40.75	Vertical
1777.3555	-44.18	-25.00	19.18	Vertical
5052.0821	-59.03	-25.00	34.03	Vertical
14474.2590	-49.45	-25.00	24.45	Vertical
17996.9999	-41.87	-25.00	16.87	Vertical
42.1256	-64.88	-25.00	39.88	Horizontal
244.3322	-69.30	-25.00	44.30	Horizontal
1776.9554	-41.53	-25.00	16.53	Horizontal
3624.0250	-63.15	-25.00	38.15	Horizontal
7473.1789	-57.29	-25.00	32.29	Horizontal
16389.5356	-46.04	-25.00	21.04	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
110.4170	-65.78	-25.00	40.78	Vertical
608.5369	-65.24	-25.00	40.24	Vertical
1764.9530	-43.52	-25.00	18.52	Vertical
3771.0308	-64.01	-25.00	39.01	Vertical
14469.4588	-48.96	-25.00	23.96	Vertical
17995.1998	-42.26	-25.00	17.26	Vertical
43.2412	-64.71	-25.00	39.71	Horizontal
606.4028	-64.58	-25.00	39.58	Horizontal
2163.0326	-41.72	-25.00	16.72	Horizontal
3640.2256	-62.95	-25.00	37.95	Horizontal
9564.2626	-54.71	-25.00	29.71	Horizontal
16388.9356	-46.11	-25.00	21.11	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	3.90	0.001554	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	1.10	0.000438	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	1.20	0.000478	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-3.40	-0.001341	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-3.80	-0.001499	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-2.70	-0.001065	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	0.70	0.000273	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	0.60	0.000234	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	4.20	0.001641	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VL	NT	4.20	0.001673	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VN	NT	1.30	0.000518	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VH	NT	-4.30	-0.001713	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VL	NT	-6.10	-0.002406	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VN	NT	1.50	0.000592	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VH	NT	-2.30	-0.000907	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VL	NT	-4.70	-0.001836	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VN	NT	-1.40	-0.000547	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VH	NT	9.10	0.003555	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	2.60	0.001036	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	1.10	0.000438	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	4.10	0.001633	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-3.50	-0.001381	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	0.10	0.000039	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-1.30	-0.000513	±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	3.60	0.001406	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	-0.20	-0.000078	±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	4.70	0.001873	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	1.50	0.000598	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	3.90	0.001554	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	3.10	0.001235	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	4.50	0.001793	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	4.40	0.001753	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	1.80	0.000717	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	2.00	0.000797	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	1.50	0.000598	±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	-20	-2.20	-0.000868	±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	0	-3.60	-0.001420	±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	20	-0.20	-0.000079	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-5.10	-0.002012	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-1.70	-0.000671	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-2.00	-0.000789	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	4.80	0.001875	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	1.20	0.000469	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	-0.40	-0.000156	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	0.70	0.000273	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	5.50	0.002148	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	1.80	0.000703	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	4.40	0.001719	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	0.00	0.000000	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	1.70	0.000664	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-30	4.10	0.001633	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-20	2.90	0.001155	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-10	2.90	0.001155	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	0	3.70	0.001474	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	10	3.20	0.001275	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	20	2.40	0.000956	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	30	3.50	0.001394	±2.5	PASS



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Band7	20MHz	64QAM	20850	100RB#0	NV	40	3.10	0.001235	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	50	1.90	0.000757	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-30	-1.30	-0.000513	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-20	0.20	0.000079	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-10	-1.50	-0.000592	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	0	-1.00	-0.000394	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	10	-3.20	-0.001262	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	20	-3.50	-0.001381	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	30	0.30	0.000118	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	40	-0.80	-0.000316	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	50	-1.10	-0.000434	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-30	-0.40	-0.000156	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-20	-0.90	-0.000352	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-10	-1.10	-0.000430	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	0	1.20	0.000469	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	10	1.10	0.000430	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	20	2.00	0.000781	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	30	0.90	0.000352	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	40	1.20	0.000469	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	50	3.70	0.001445	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	4.00	0.001594	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	3.40	0.001355	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-10	3.80	0.001514	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	2.90	0.001155	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	1.50	0.000598	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	2.50	0.000996	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	30	3.40	0.001355	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	4.80	0.001912	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	3.00	0.001195	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	-1.60	-0.000631	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-2.00	-0.000789	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-10	-4.00	-0.001578	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-2.80	-0.001105	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-2.70	-0.001065	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-1.30	-0.000513	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	-3.70	-0.001460	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	-0.60	-0.000237	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	-3.70	-0.001460	±2.5	PASS



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Band7	20MHz	16QAM	21350	100RB#0	NV	-30	0.90	0.000352	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	1.80	0.000703	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-10	2.10	0.000820	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	1.80	0.000703	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	2.60	0.001016	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	2.70	0.001055	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	1.10	0.000430	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	-0.30	-0.000117	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	1.20	0.000469	±2.5	PASS



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