



# 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	EIRP	Limit	Verdict
					Power(dBm)	(dBm)	(dBm)	
Band7	5MHz	QPSK	20775	1RB#0	22.35	21.45	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.61	21.71	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.37	21.47	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#6	21.56	20.66	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.47	20.57	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.57	20.67	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.53	20.63	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.41	21.51	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.46	21.56	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.68	21.78	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.57	20.67	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.63	20.73	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.59	20.69	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.57	20.67	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.62	21.72	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.36	21.46	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.35	21.45	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.5	20.60	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#6	21.57	20.67	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.56	20.66	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.52	20.62	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	20.45	19.55	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	20.47	19.57	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	20.64	19.74	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#0	19.46	18.56	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#6	19.56	18.66	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#13	19.57	18.67	33.00	PASS



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Band7	5MHz	64QAM	20775	25RB#0	19.54	18.64	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	20.51	19.61	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	20.83	19.93	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	20.48	19.58	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#13	19.55	18.65	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#6	19.61	18.71	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#0	19.51	18.61	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	19.55	18.65	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	20.4	19.50	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	20.71	19.81	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	20.38	19.48	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#0	19.49	18.59	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#6	19.51	18.61	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#13	19.46	18.56	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	19.5	18.60	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.57	20.67	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.62	20.72	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.82	20.92	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.57	19.67	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.57	19.67	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.46	19.56	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.52	19.62	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.68	20.78	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.03	21.13	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.62	20.72	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.56	19.66	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.63	19.73	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.59	19.69	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.59	19.69	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.56	20.66	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.51	20.61	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.77	20.87	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.53	19.63	33.00	PASS



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Band7	5MHz	16QAM	21425	12RB#6	20.58	19.68	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#13	20.5	19.60	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.51	19.61	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.49	21.59	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.58	21.68	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.48	21.58	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.58	20.68	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.5	20.60	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.64	20.74	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.59	20.69	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.65	21.75	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.52	21.62	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.57	21.67	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.66	20.76	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.57	20.67	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.62	20.72	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.62	20.72	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.42	21.52	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.56	21.66	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.48	21.58	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.53	20.63	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.58	20.68	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.55	20.65	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.55	20.65	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	20.63	19.73	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	20.62	19.72	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	20.51	19.61	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#0	19.5	18.60	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#12	19.6	18.70	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#25	19.64	18.74	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	19.57	18.67	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	20.63	19.73	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	20.66	19.76	33.00	PASS



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Band7	10MHz	64QAM	21100	25RB#0	19.57	18.67	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#12	19.6	18.70	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#25	19.66	18.76	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	19.65	18.75	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	20.63	19.73	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	20.53	19.63	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	20.64	19.74	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#25	19.55	18.65	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#0	19.55	18.65	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#12	19.53	18.63	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	19.56	18.66	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.58	20.68	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.83	20.93	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.65	20.75	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.58	19.68	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.48	19.58	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.64	19.74	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.55	19.65	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.89	20.99	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.76	20.86	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.95	21.05	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.57	19.67	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.65	19.75	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.62	19.72	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.63	19.73	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.7	20.80	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.61	20.71	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.82	20.92	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.55	19.65	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.53	19.63	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.51	19.61	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.55	19.65	33.00	PASS



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Band7	15MHz	QPSK	20825	1RB#74	22.39	21.49	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.52	21.62	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.4	21.50	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#39	21.62	20.72	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#18	21.57	20.67	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#0	21.48	20.58	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.53	20.63	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.48	21.58	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.52	21.62	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.43	21.53	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#0	21.58	20.68	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#18	21.59	20.69	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#39	21.62	20.72	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.6	20.70	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.44	21.54	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.44	21.54	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.33	21.43	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#0	21.54	20.64	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#18	21.53	20.63	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#39	21.52	20.62	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.51	20.61	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	20.44	19.54	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	20.66	19.76	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	20.41	19.51	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#0	19.45	18.55	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#18	19.55	18.65	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#39	19.61	18.71	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	19.51	18.61	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	20.64	19.74	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	20.48	19.58	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	20.56	19.66	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#39	19.58	18.68	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#0	19.53	18.63	33.00	PASS



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Band7	15MHz	64QAM	21100	36RB#18	19.56	18.66	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	19.59	18.69	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	20.49	19.59	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#38	20.5	19.60	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	20.46	19.56	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#18	19.48	18.58	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#0	19.5	18.60	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#39	19.49	18.59	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	19.49	18.59	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.7	20.80	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.51	20.61	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.61	20.71	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#0	20.45	19.55	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#39	20.59	19.69	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#18	20.53	19.63	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.53	19.63	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.72	20.82	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.6	20.70	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.67	20.77	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#0	20.52	19.62	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#18	20.54	19.64	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#39	20.59	19.69	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.61	19.71	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.7	20.80	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.66	20.76	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.55	20.65	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#0	20.52	19.62	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#18	20.51	19.61	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#39	20.47	19.57	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.49	19.59	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.23	21.33	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.61	21.71	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.22	21.32	33.00	PASS



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Band7	20MHz	QPSK	20850	50RB#25	21.58	20.68	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#0	21.4	20.50	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.65	20.75	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.48	20.58	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.17	21.27	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.32	21.42	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.62	21.72	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.52	20.62	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.62	20.72	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.62	20.72	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.58	20.68	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.53	21.63	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.3	21.40	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.14	21.24	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.54	20.64	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.55	20.65	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#50	21.45	20.55	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.5	20.60	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	20.25	19.35	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	20.65	19.75	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	20.26	19.36	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#50	19.63	18.73	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#0	19.39	18.49	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#25	19.58	18.68	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	19.46	18.56	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	20.37	19.47	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	20.7	19.80	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	20.27	19.37	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#0	19.51	18.61	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#25	19.62	18.72	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#50	19.64	18.74	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	19.6	18.70	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	20.26	19.36	33.00	PASS



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Band7	20MHz	64QAM	21350	1RB#0	20.4	19.50	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#49	20.68	19.78	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#0	19.54	18.64	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#50	19.46	18.56	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#25	19.5	18.60	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	19.48	18.58	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.38	20.48	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.89	20.99	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.49	20.59	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#0	20.39	19.49	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	20.55	19.65	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#50	20.62	19.72	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.45	19.55	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.52	20.62	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.43	20.53	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.83	20.93	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#0	20.49	19.59	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#25	20.62	19.72	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.6	19.70	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.58	19.68	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.57	20.67	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.34	20.44	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.77	20.87	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.42	19.52	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.52	19.62	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#0	20.52	19.62	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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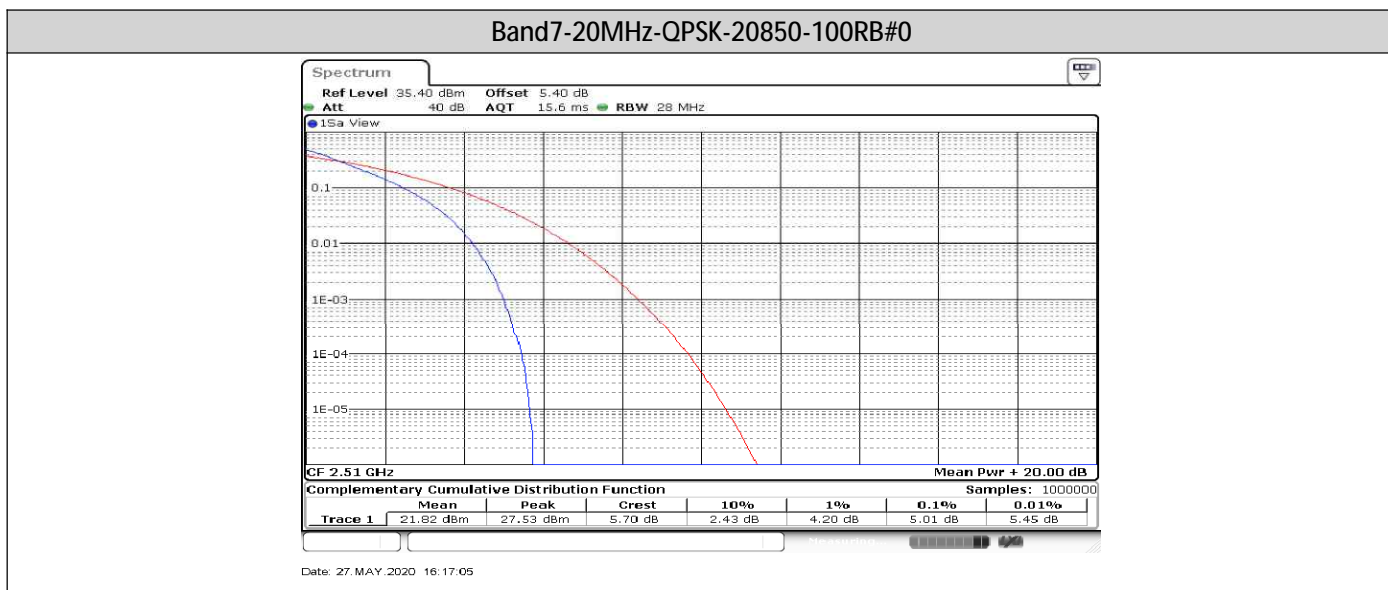


## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.01	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.33	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.22	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.32	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.49	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.41	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.88	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.17	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.09	13	PASS

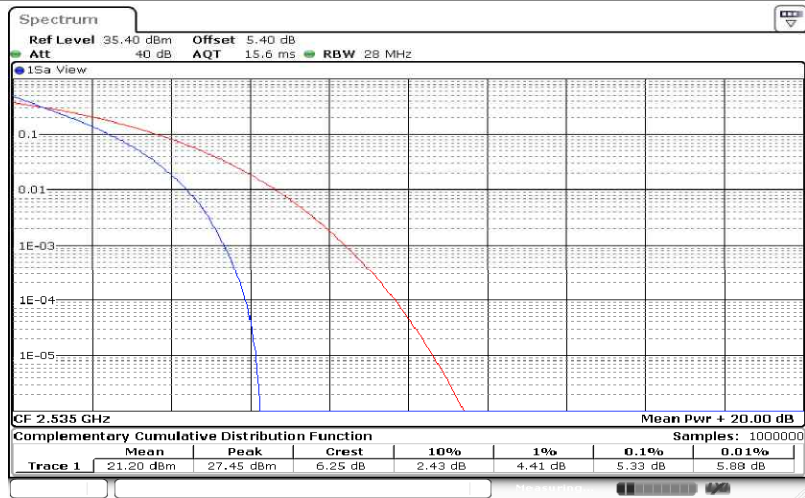
### 2.2. Test Plots





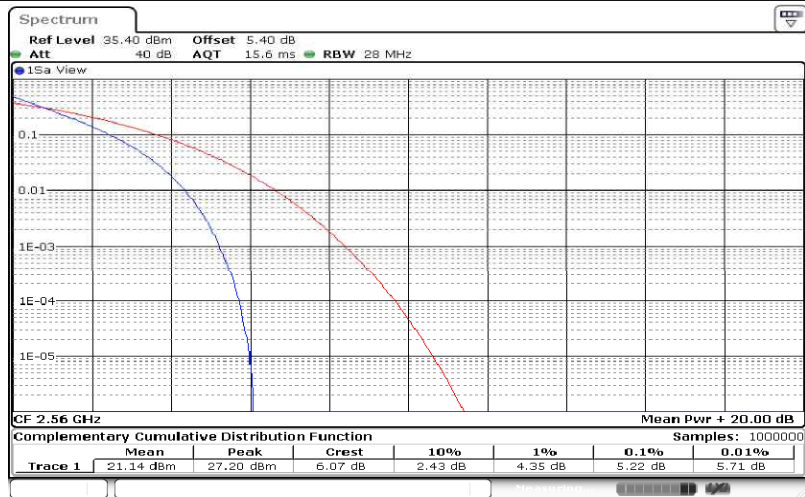


**Band7-20MHz-QPSK-21100-100RB#0**



Date: 27.MAY.2020 16:17:27

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



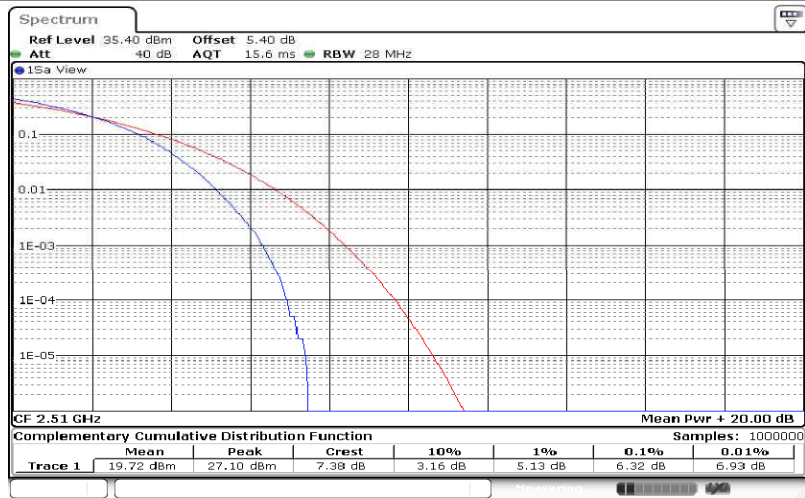
Date: 27.MAY.2020 16:17:50



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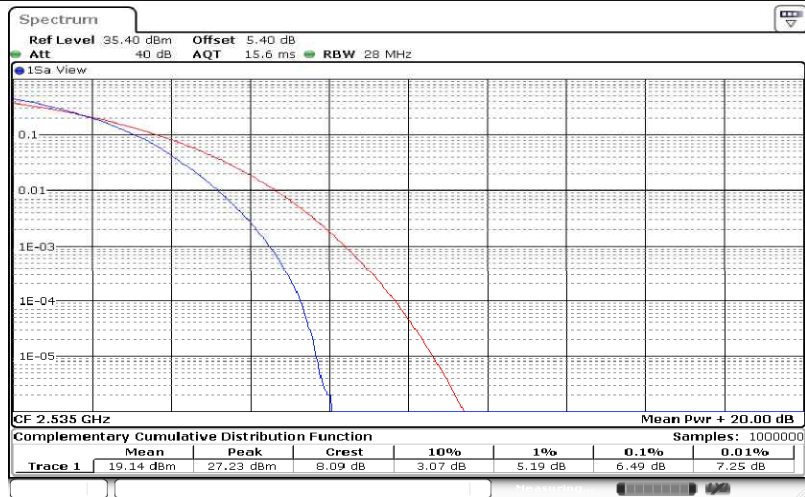


Band7-20MHz-64QAM-20850-100RB#0



Date: 28.MAY.2020 03:00:23

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



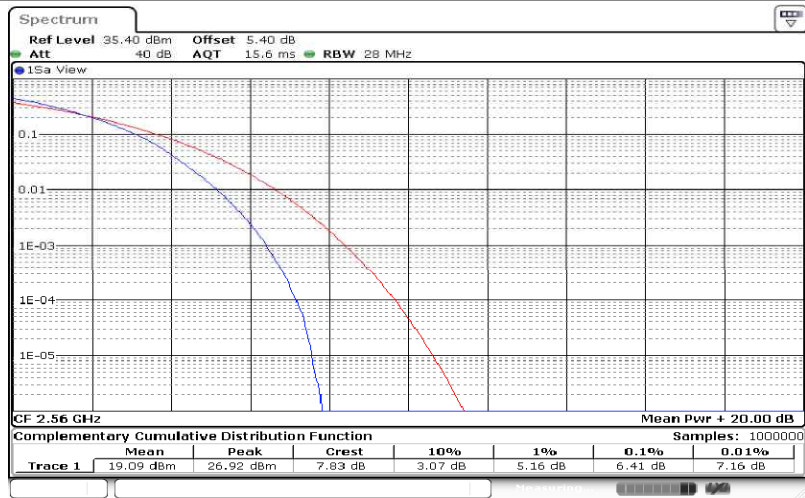
Date: 28.MAY.2020 03:00:35



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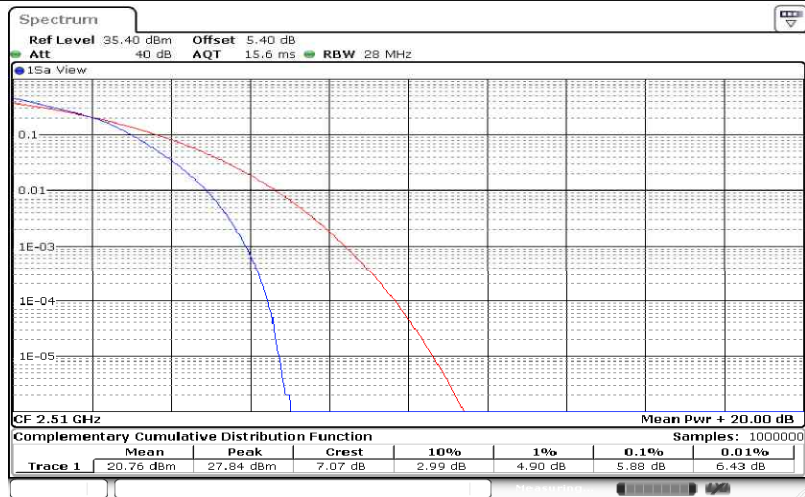


Band7-20MHz-64QAM-21350-100RB#0



Date: 28.MAY.2020 03:00:46

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



Date: 27.MAY.2020 16:17:16

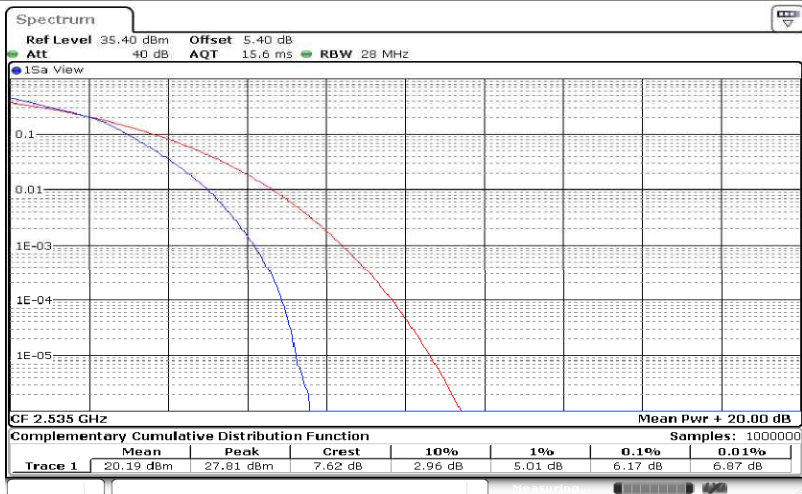


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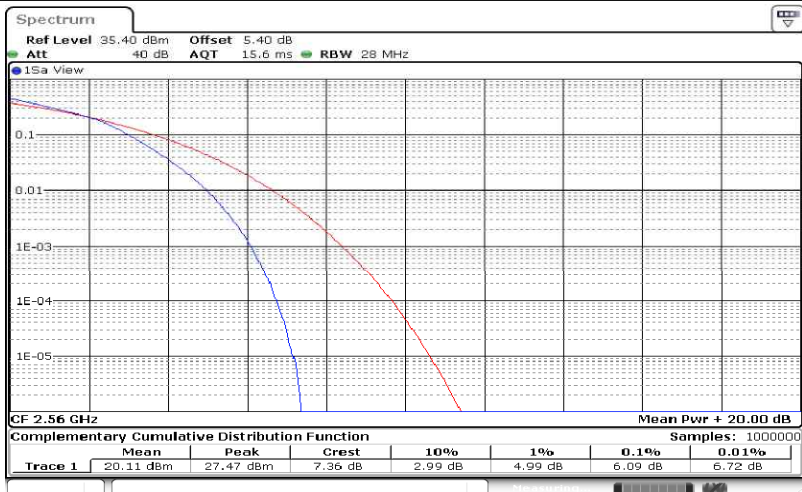


Band7-20MHz-16QAM-21100-100RB#0



Date: 27.MAY.2020 16:17:39

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



Date: 27.MAY.2020 16:18:02



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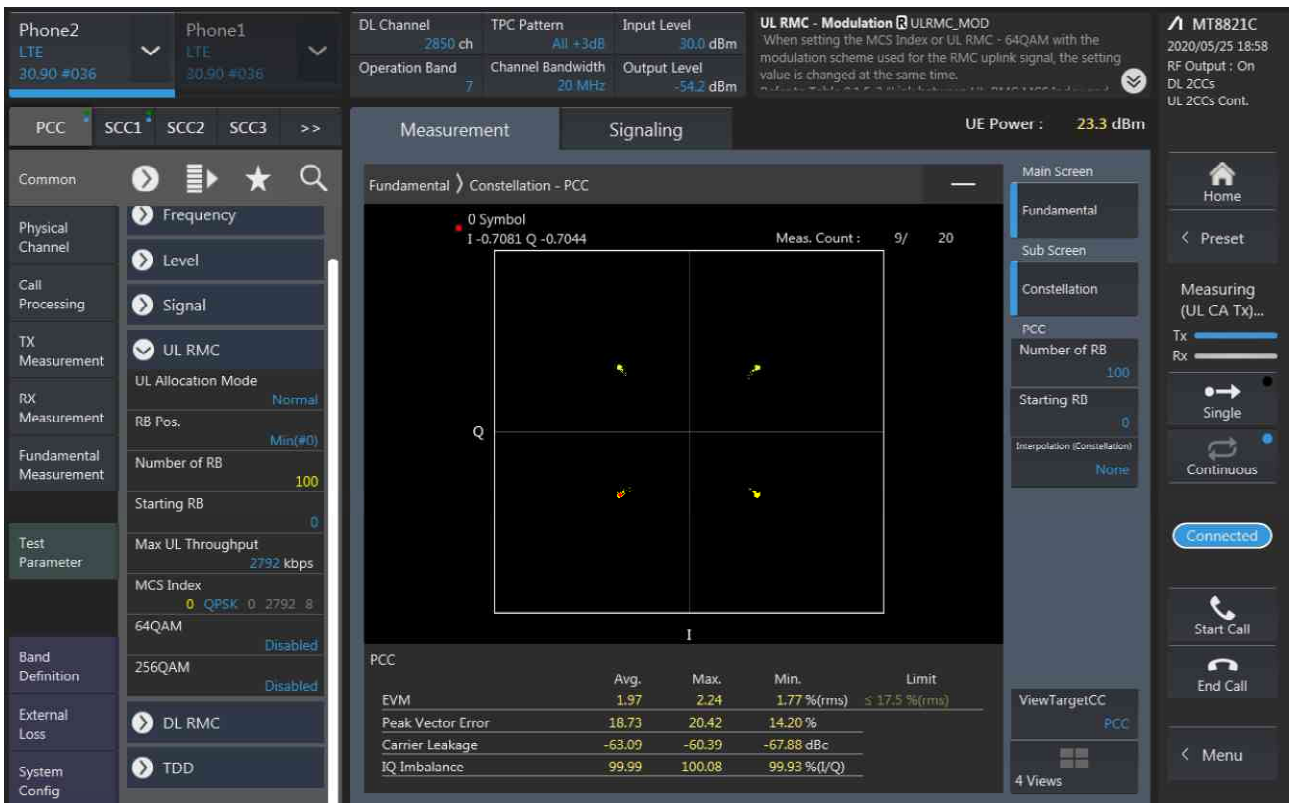


### 3. Modulation Characteristics

#### 3.1. Test Band = LTE Band 7

#### 3.1.1. Test Mode = LTE /TM1 20MHz

#### 3.1.1.1. Test Channel = MCH

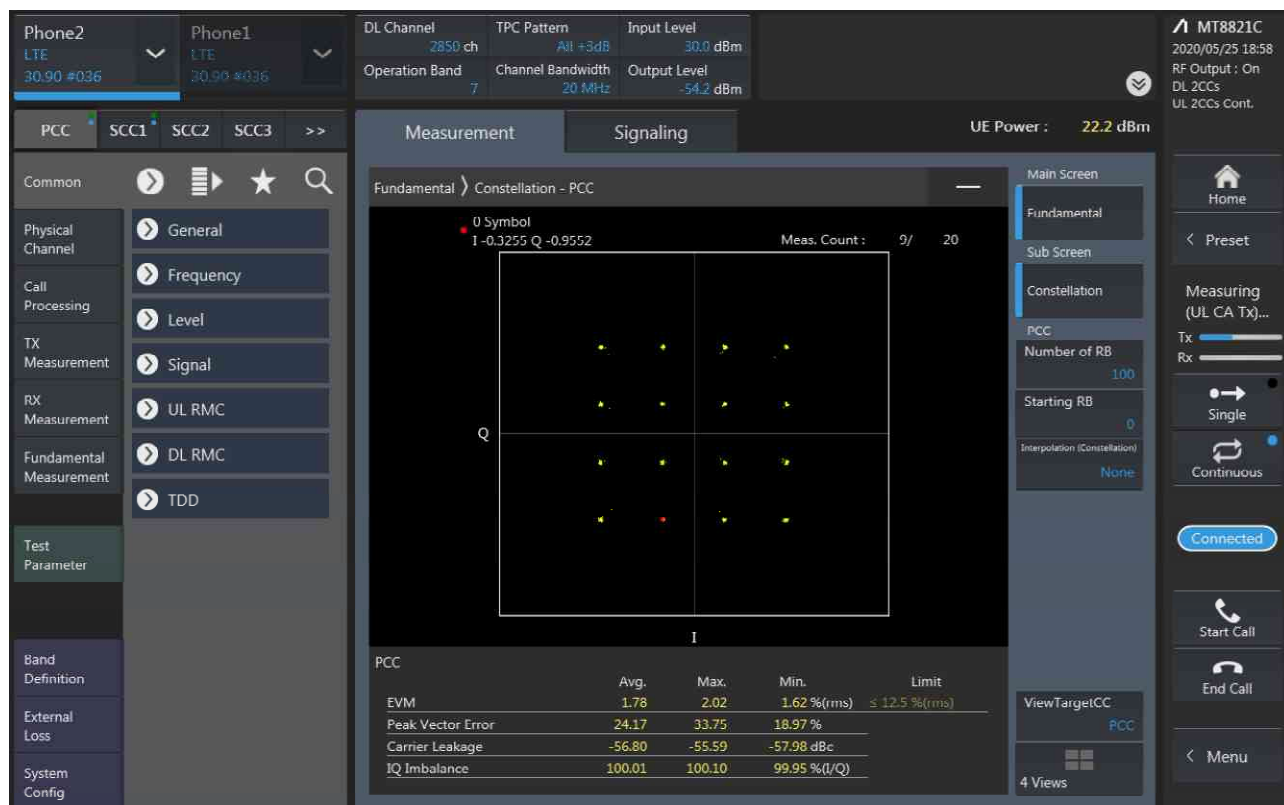


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### 3.1.2. Test Mode = LTE /TM2 20MHz

#### 3.1.2.1. Test Channel = MCH



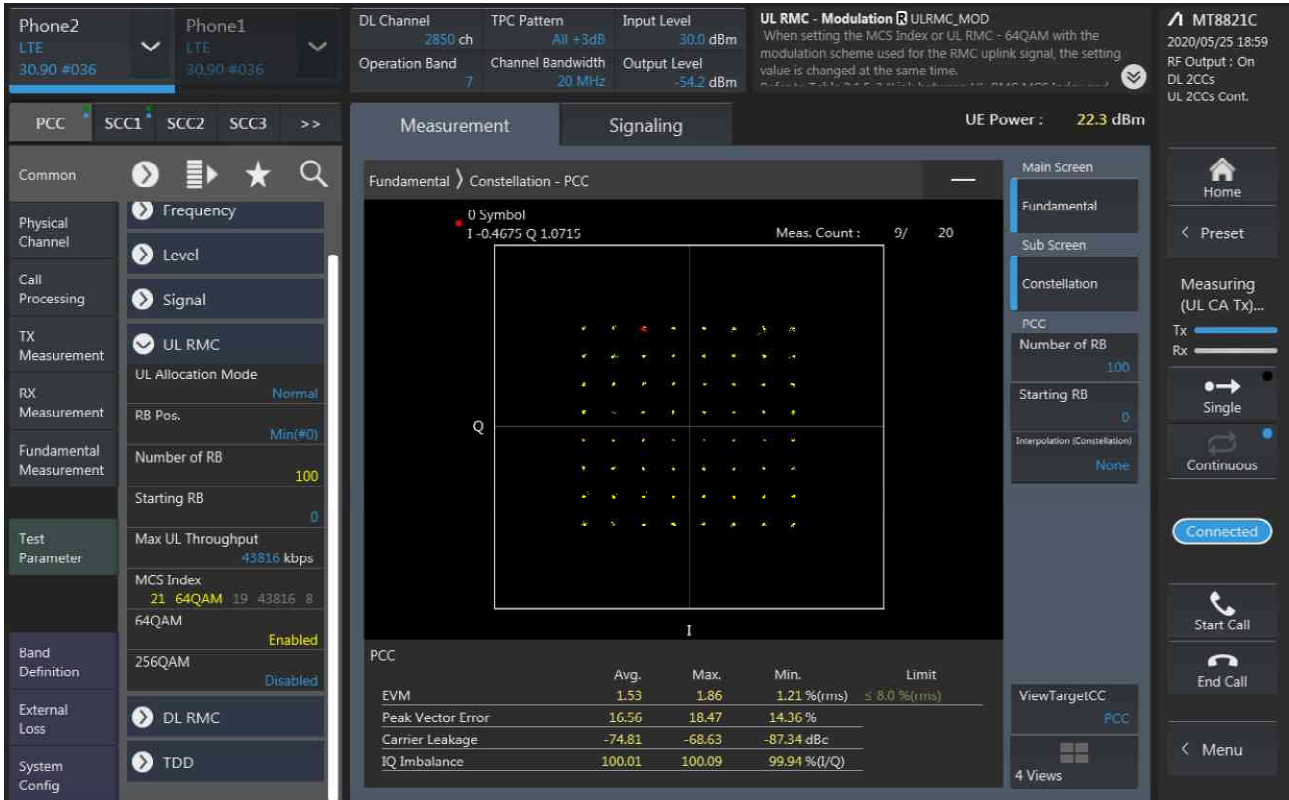
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### 3.1.3. Test Mode = LTE /TM3 20MHz

#### 3.1.3.1. Test Channel = MCH



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## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.466	4.840	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.466	4.850	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.476	4.840	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.466	4.810	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.466	4.830	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.476	4.820	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.476	4.860	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.486	5.290	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.486	4.850	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.931	9.600	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.931	9.600	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.911	9.600	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.931	9.520	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.911	9.540	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.931	9.560	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.931	9.560	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.911	9.580	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.931	9.600	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.427	14.730	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.427	14.580	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.427	14.730	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.427	14.700	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.427	14.760	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.427	14.700	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.427	14.670	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.427	14.580	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.427	14.700	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.862	19.240	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.862	19.280	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.862	19.280	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.862	19.120	PASS



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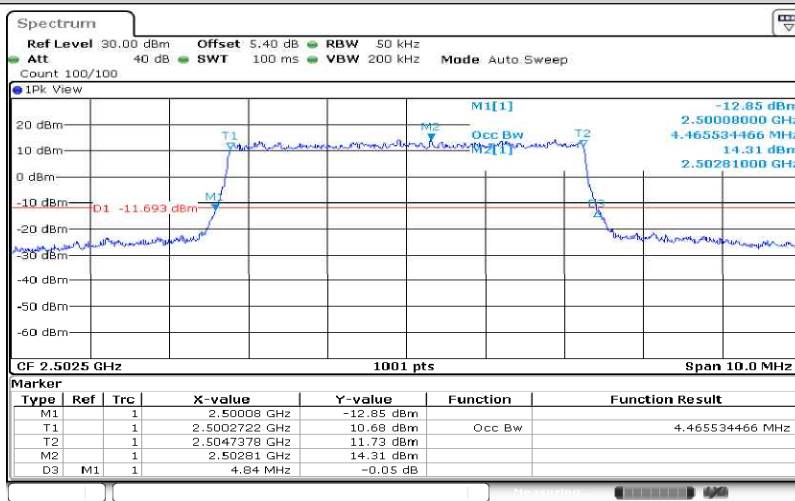




Band7	20MHz	64QAM	21100	100RB#0	17.862	19.280	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.862	19.280	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.862	19.160	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.862	19.280	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.862	19.280	PASS

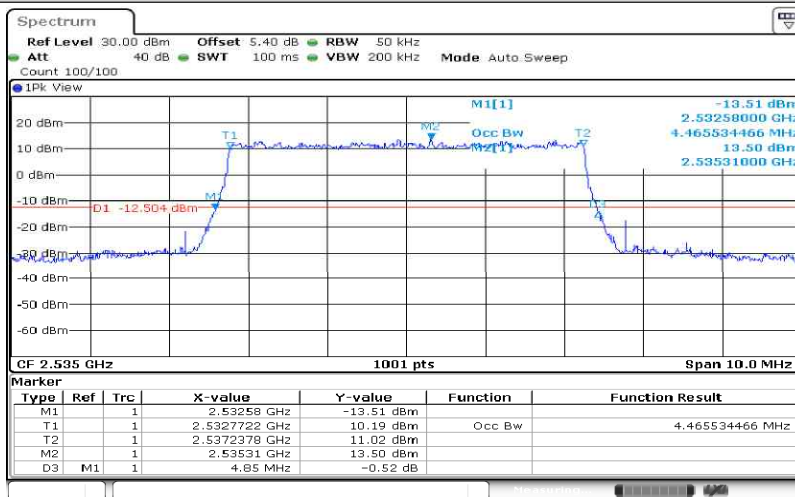
## 4.2. Test Plots

Band7-5MHz-QPSK-20775-25RB#0-4.466



Date: 27.MAY.2020 15:55:05

Band7-5MHz-QPSK-21100-25RB#0-4.466



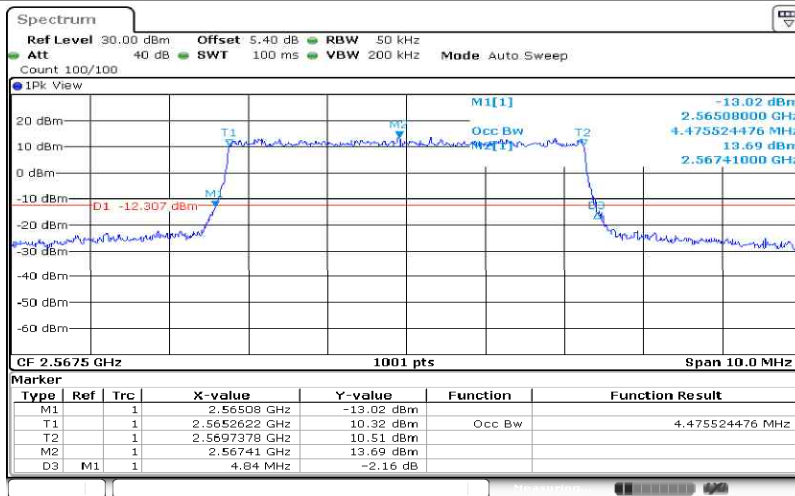
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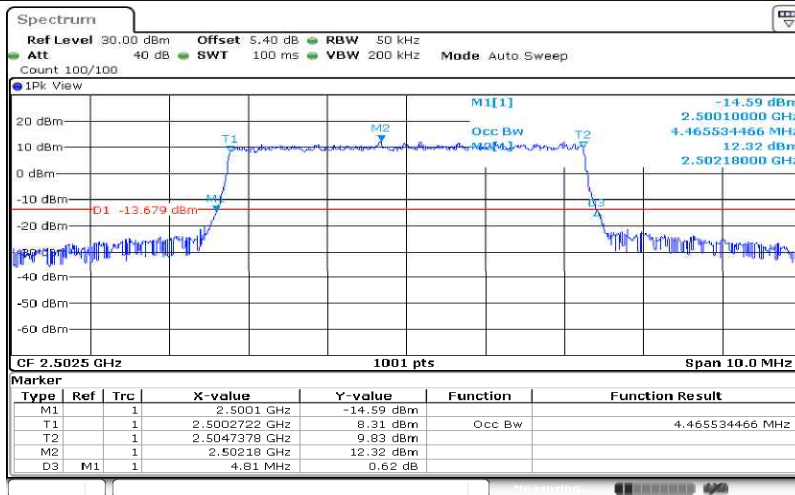


Band7-5MHz-QPSK-21425-25RB#0-4.476



Date: 27.MAY.2020 15:56:25

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



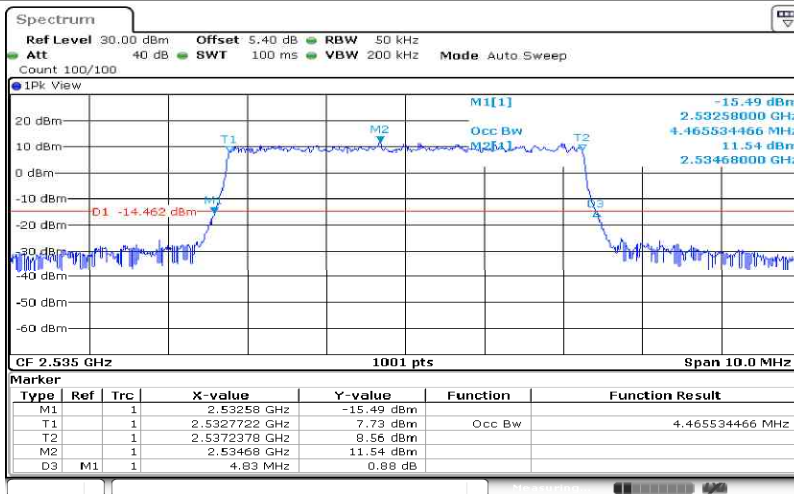
Date: 28.MAY.2020 02:47:56



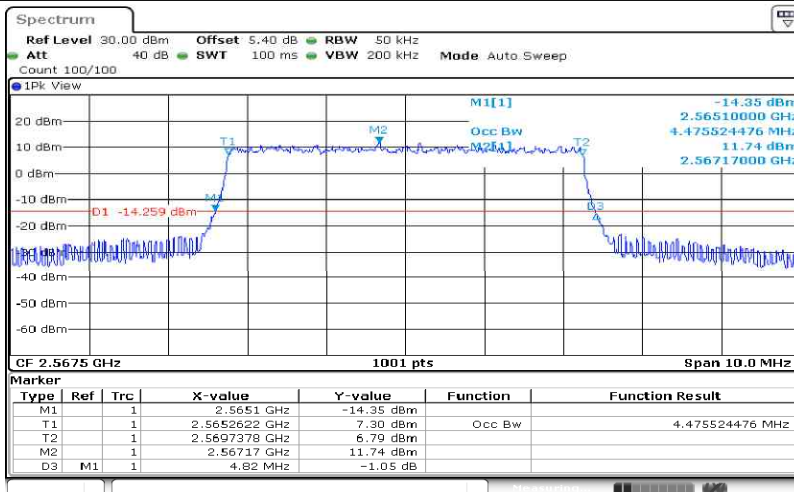
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Band7-5MHz-64QAM-21100-25RB#0-4.466



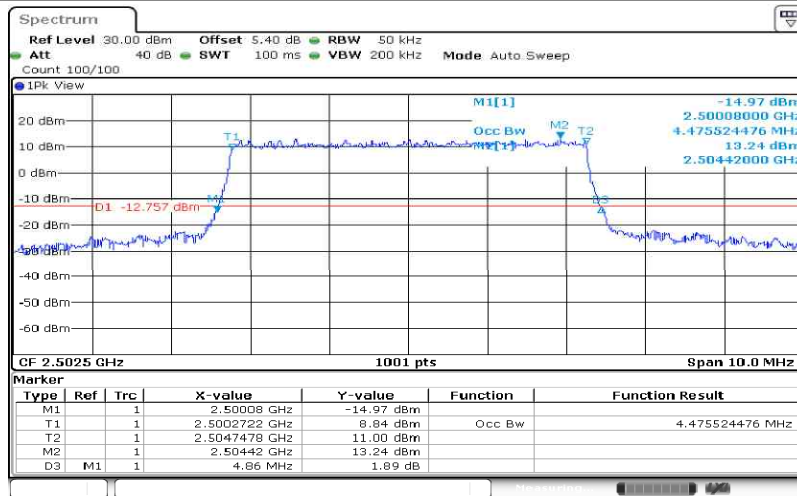
Band7-5MHz-64QAM-21425-25RB#0-4.476



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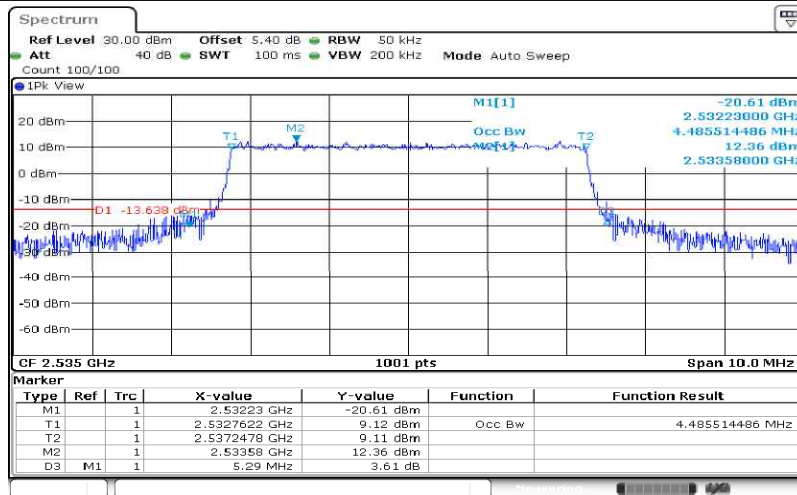


Band7-5MHz-16QAM-20775-25RB#0-4.476



Date: 27.MAY.2020 15:55:25

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



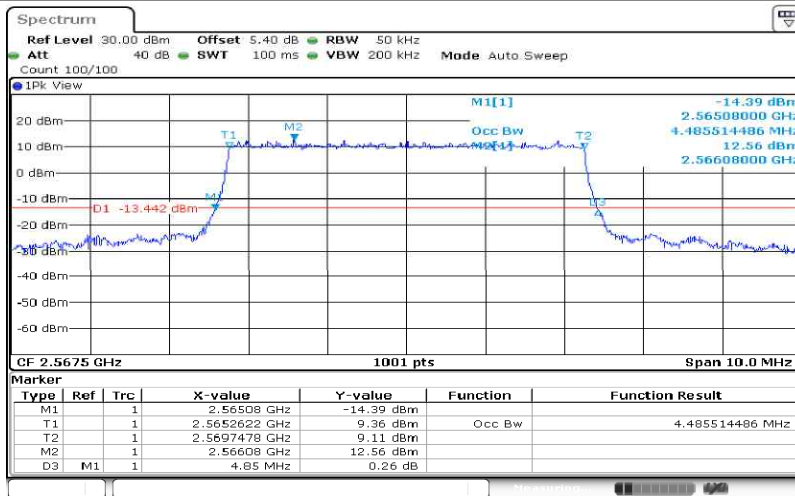
Date: 27.MAY.2020 15:56:05



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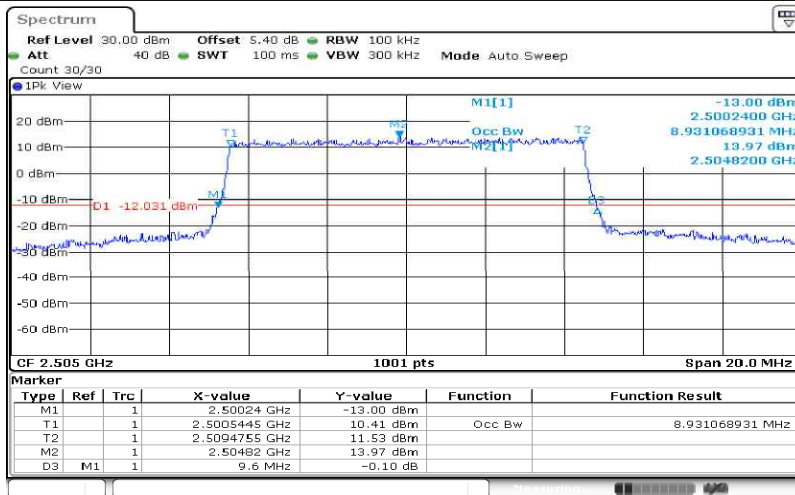


**Band7-5MHz-16QAM-21425-25RB#0-4.486**



Date: 27.MAY.2020 15:56:44

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



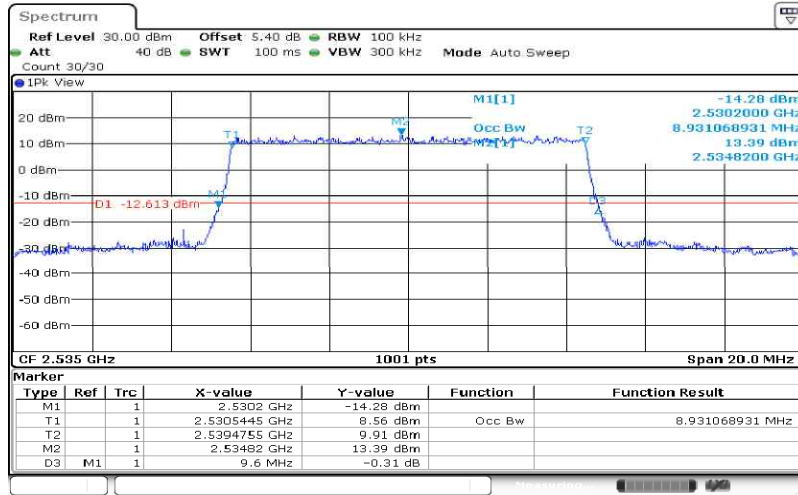
Date: 27.MAY.2020 15:57:02



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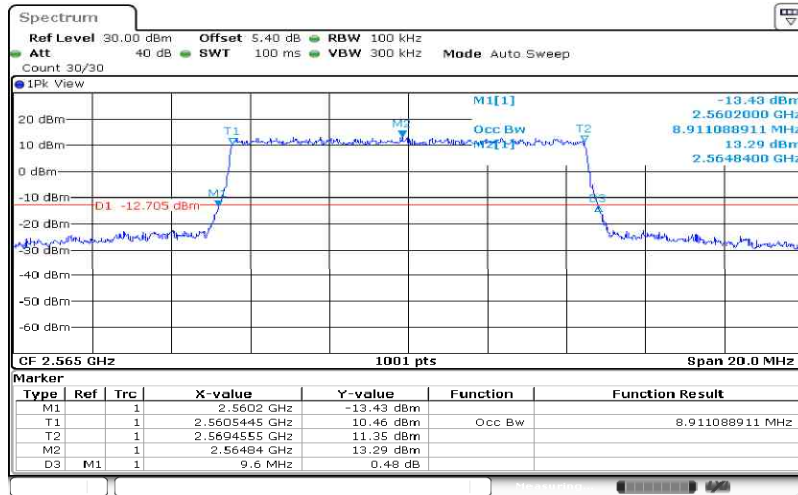


Band7-10MHz-QPSK-21100-50RB#0-8.931



Date: 27.MAY.2020 15:57:28

Band7-10MHz-QPSK-21400-50RB#0-8.911



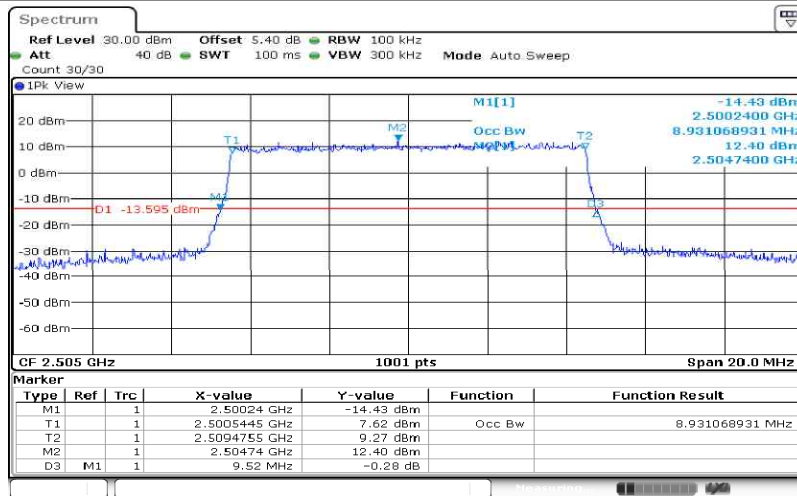
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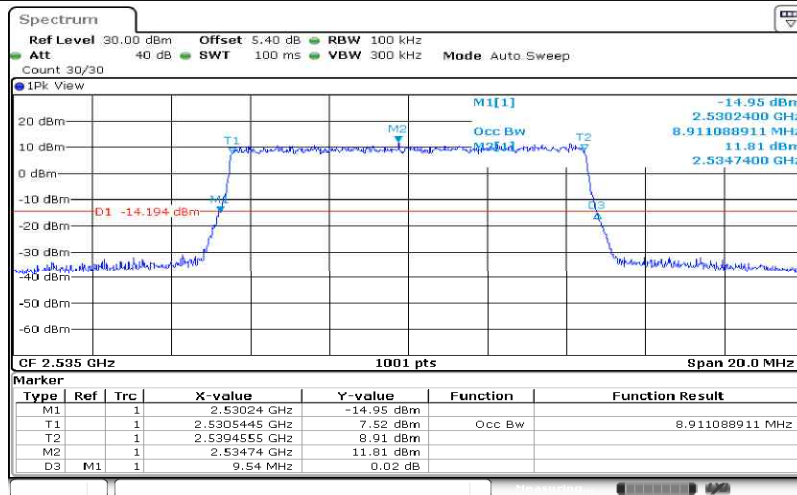


Band7-10MHz-64QAM-20800-50RB#0-8.931



Date: 28.MAY.2020 02:48:53

Band7-10MHz-64QAM-21100-50RB#0-8.911



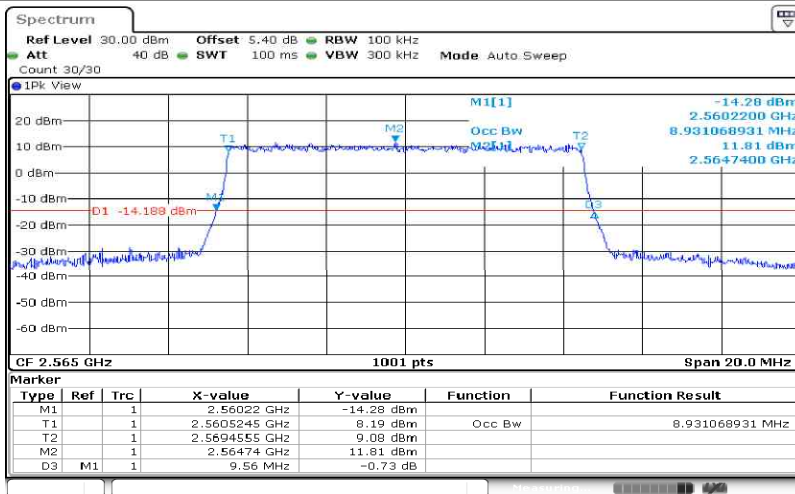
Date: 28.MAY.2020 02:49:06



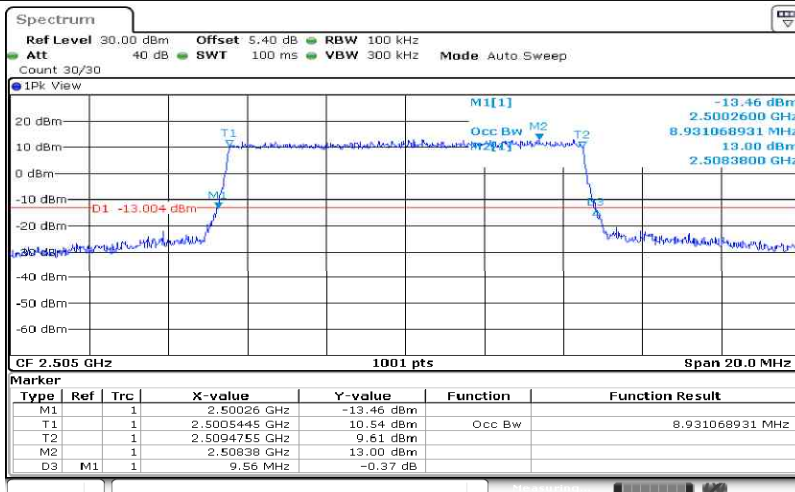
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Band7-10MHz-64QAM-21400-50RB#0-8.931



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

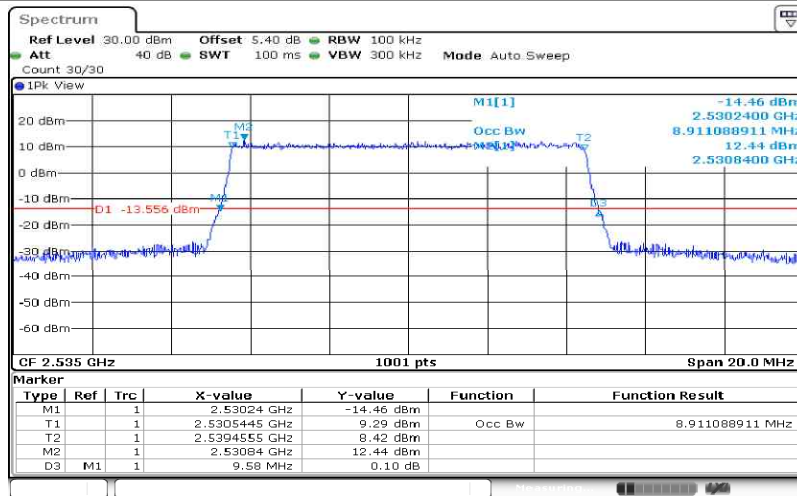


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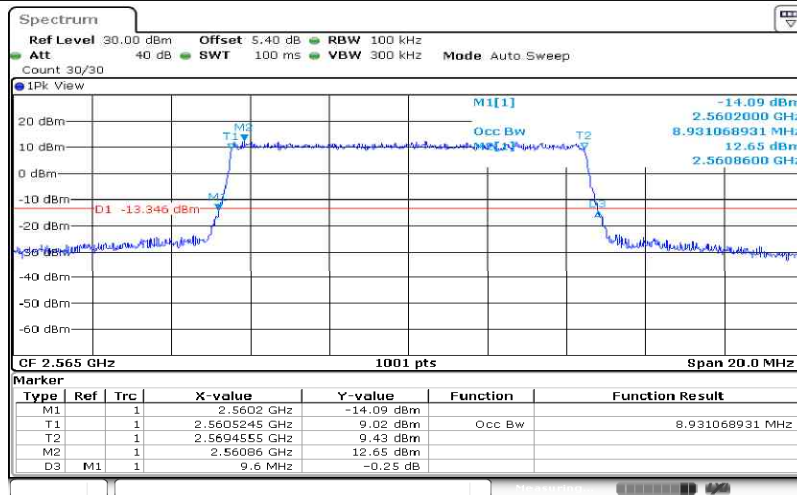




Band7-10MHz-16QAM-21100-50RB#0-8.911



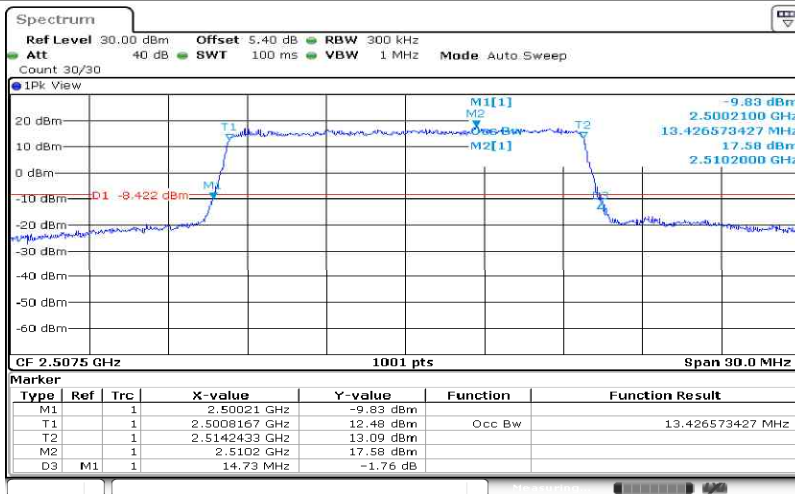
Band7-10MHz-16QAM-21400-50RB#0-8.931



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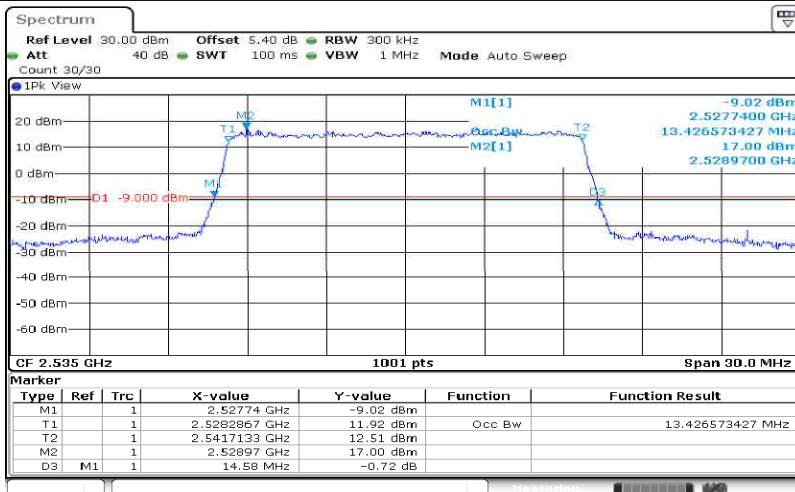


**Band7-15MHz-QPSK-20825-75RB#0-13.427**



Date: 27.MAY.2020 15:58:24

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



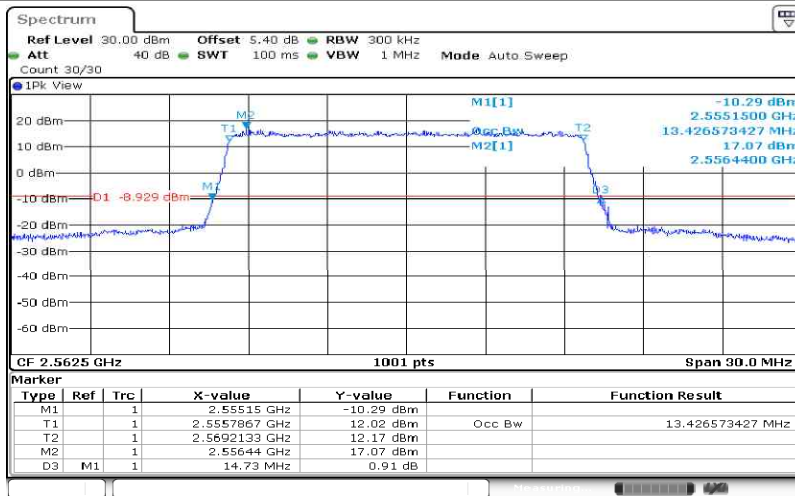
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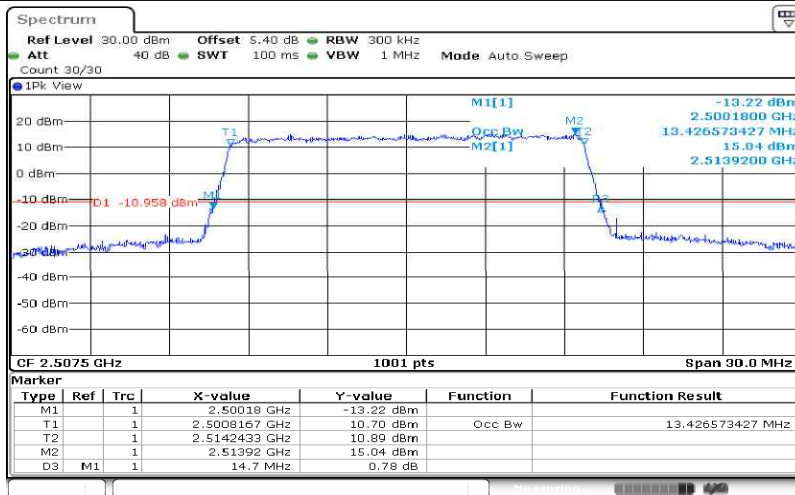


Band7-15MHz-QPSK-21375-75RB#0-13.427



Date: 27.MAY.2020 15:59:16

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



Date: 28.MAY.2020 02:49:37



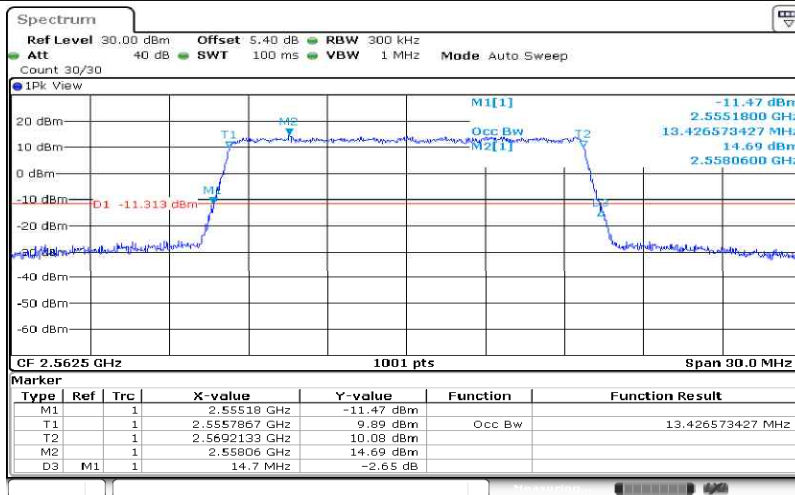
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Band7-15MHz-64QAM-21100-75RB#0-13.427



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

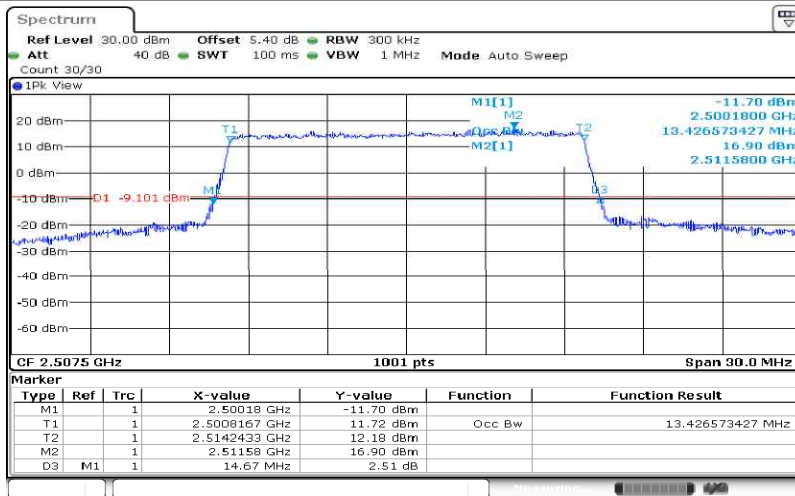


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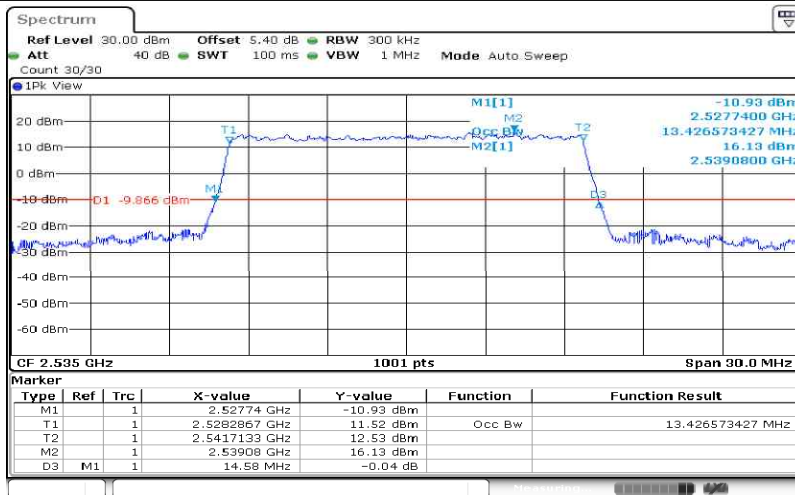


Band7-15MHz-16QAM-20825-75RB#0-13.427



Date: 27.MAY.2020 15:58:37

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



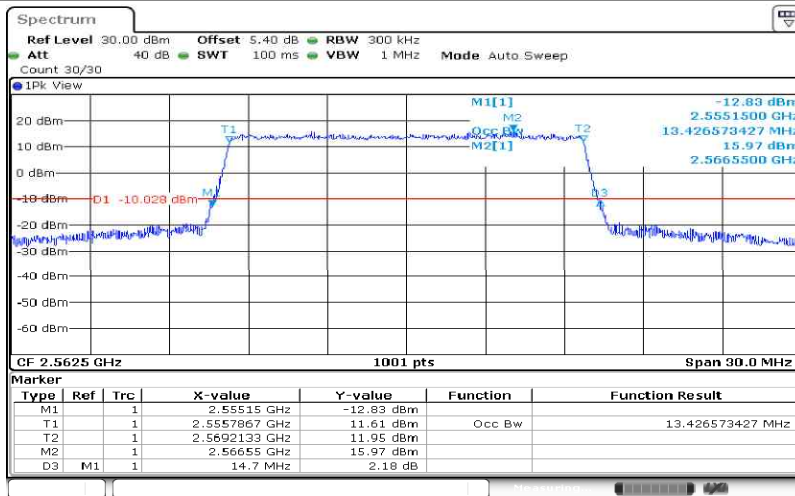
Date: 27.MAY.2020 15:59:03



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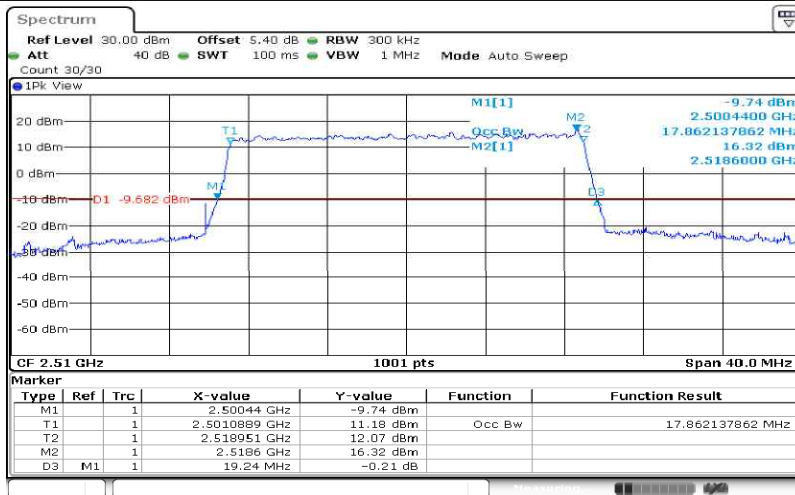


Band7-15MHz-16QAM-21375-75RB#0-13.427



Date: 27.MAY.2020 15:59:29

Band7-20MHz-QPSK-20850-100RB#0-17.862



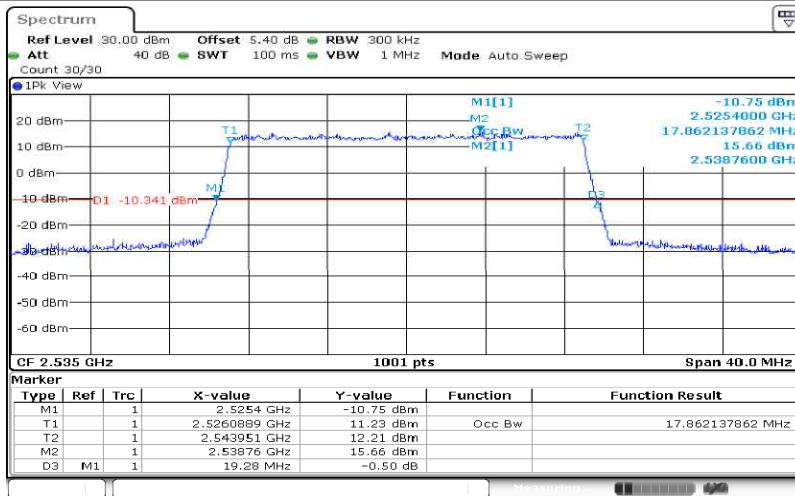
Date: 27.MAY.2020 15:59:47



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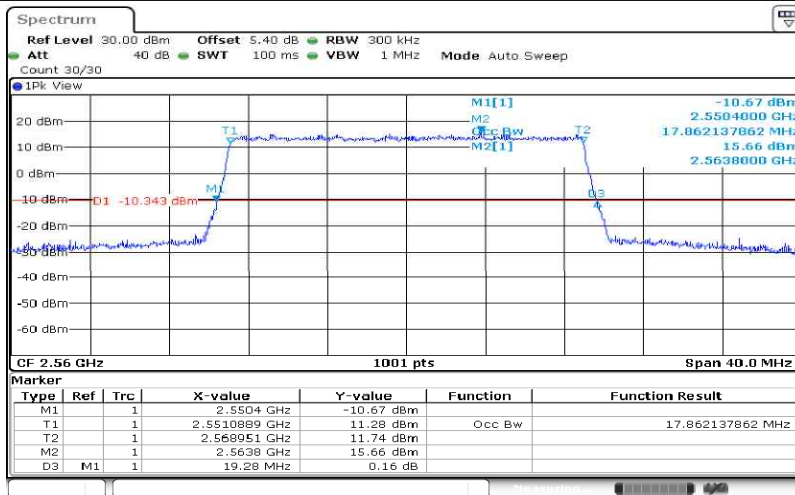


Band7-20MHz-QPSK-21100-100RB#0-17.862



Date: 27.MAY.2020 16:00:13

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



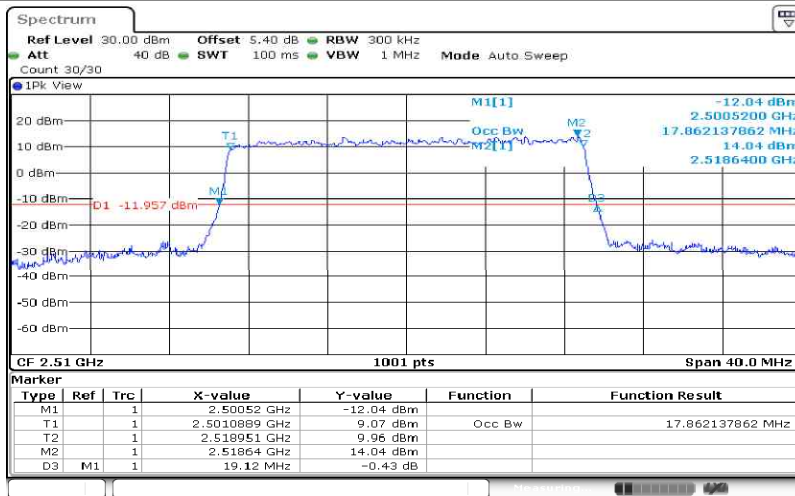
Date: 27.MAY.2020 16:00:39



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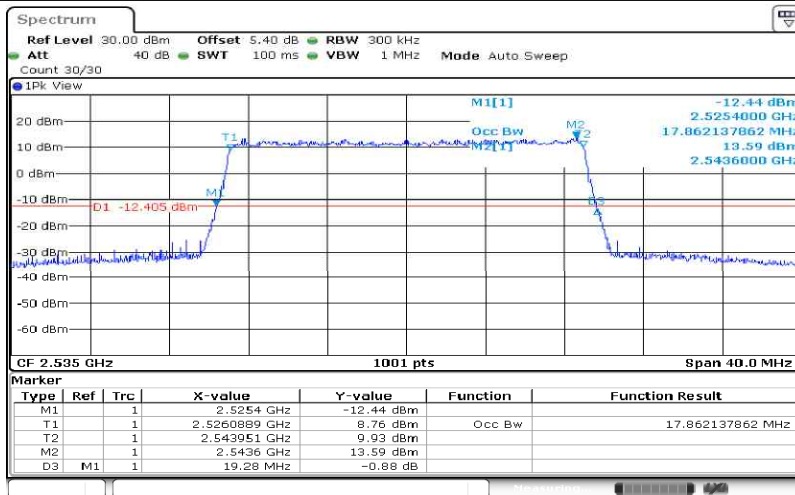


Band7-20MHz-64QAM-20850-100RB#0-17.862



Date: 28.MAY.2020 02:50:30

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



Date: 28.MAY.2020 02:50:43



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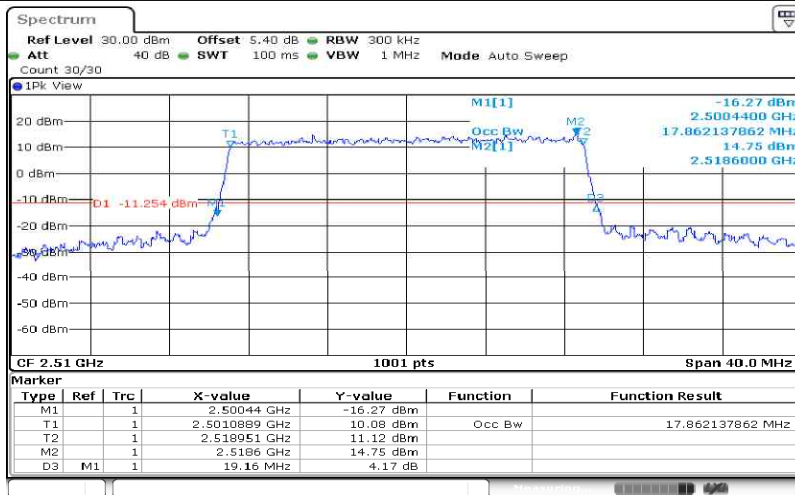


Band7-20MHz-64QAM-21350-100RB#0-17.862



Date: 28.MAY.2020 02:50:56

Band7-20MHz-16QAM-20850-100RB#0-17.862

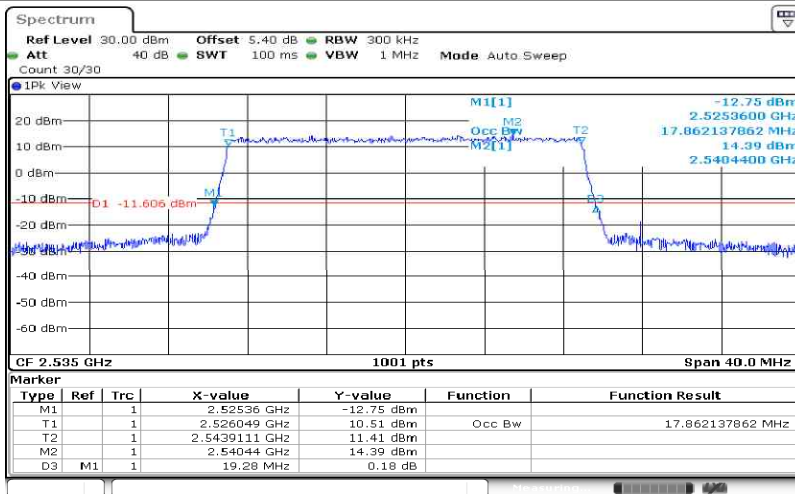


Date: 27.MAY.2020 16:00:00



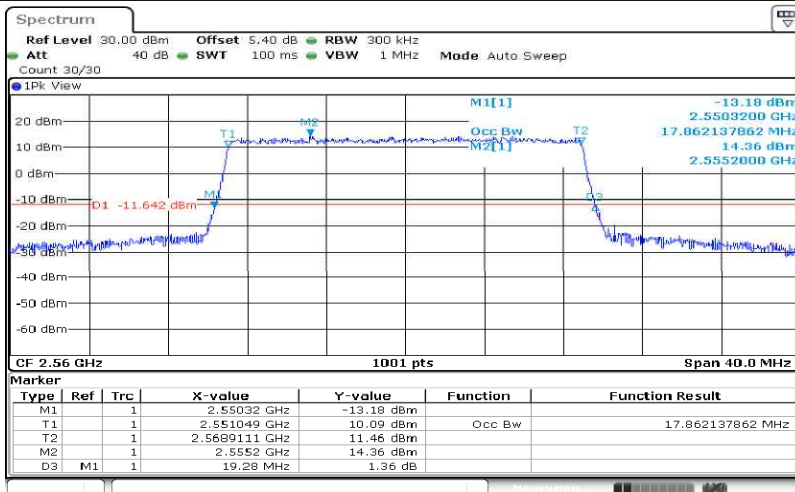
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**Band7-20MHz-16QAM-21100-100RB#0-17.862**



Date: 27.MAY.2020 16:00:26

**Band7-20MHz-16QAM-21350-100RB#0-17.862**



Date: 27.MAY.2020 16:00:52

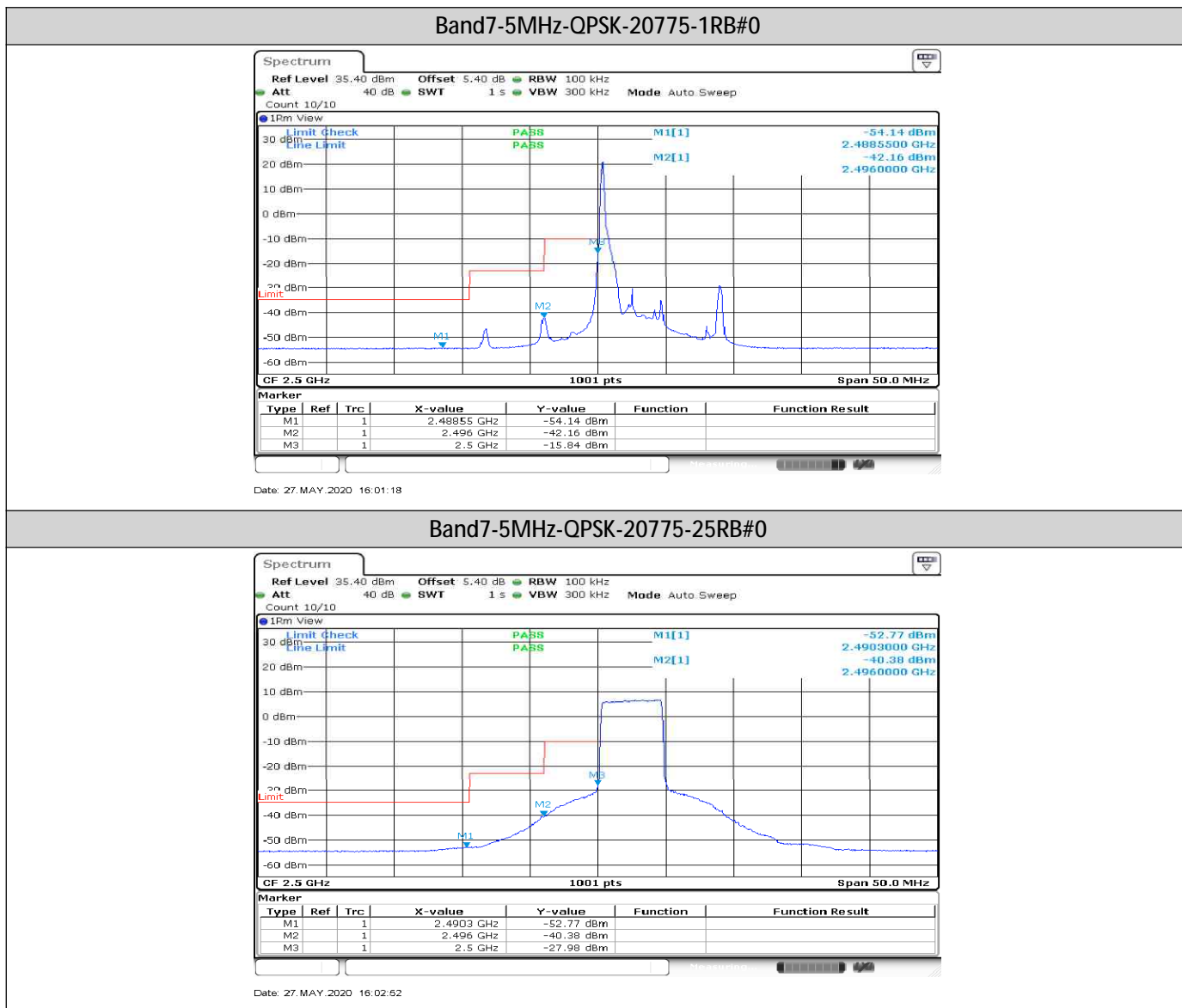


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## 5. Band Edge Compliance

### 5.1. Test Plots



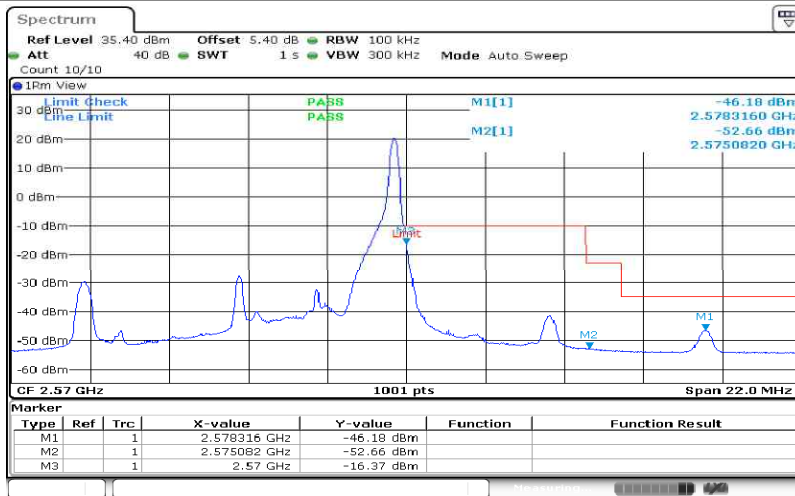
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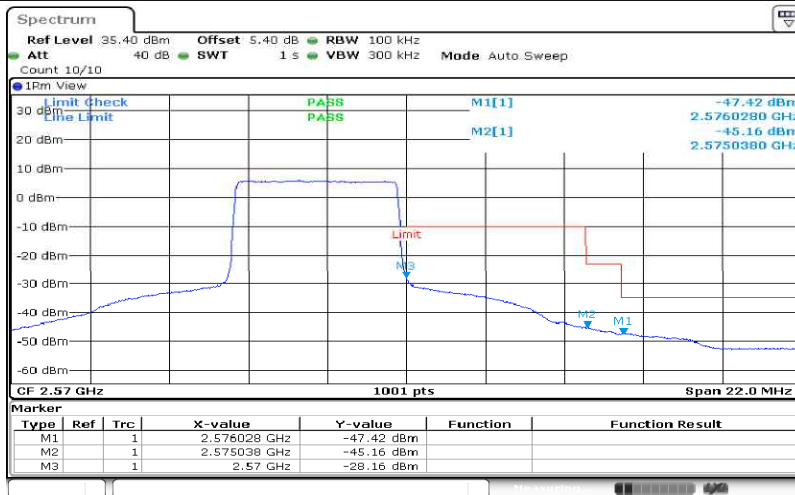


Band7-5MHz-QPSK-21425-1RB#24



Date: 27.MAY.2020 16:02:06

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



Date: 27.MAY.2020 16:03:36

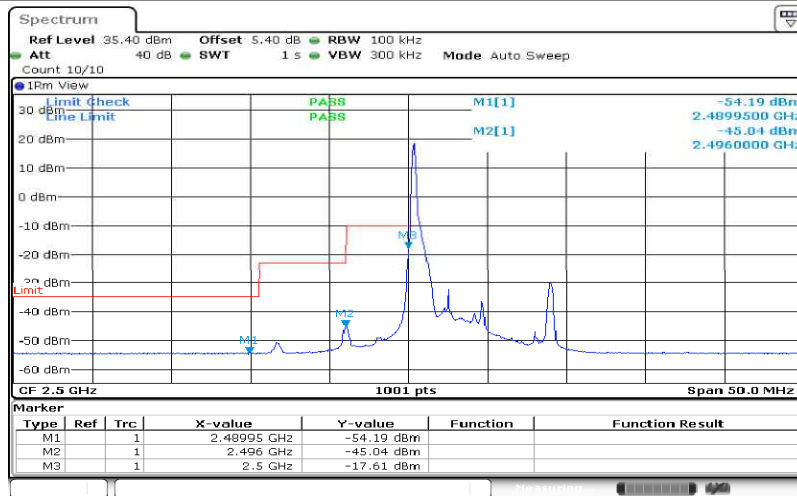


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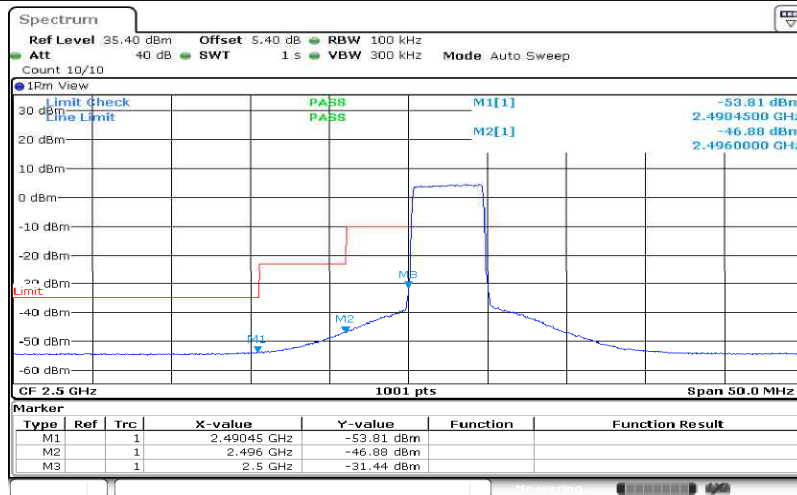


Band7-5MHz-64QAM-20775-1RB#0



Date: 28.MAY.2020 02:51:31

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

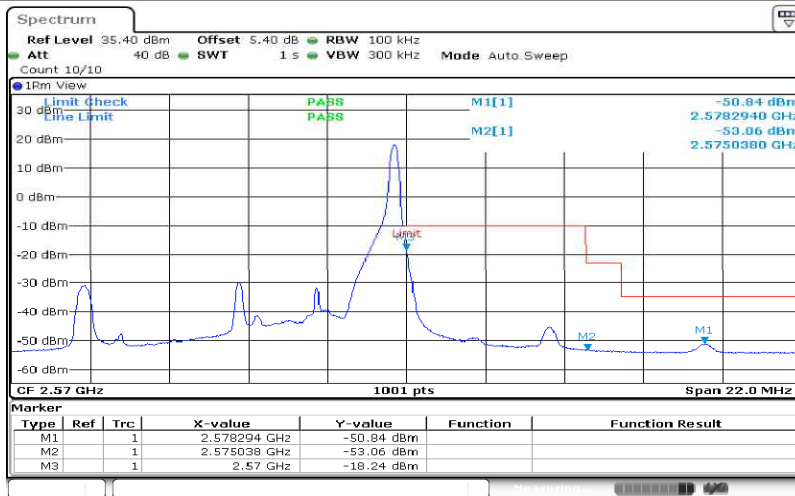


Date: 28.MAY.2020 02:52:35



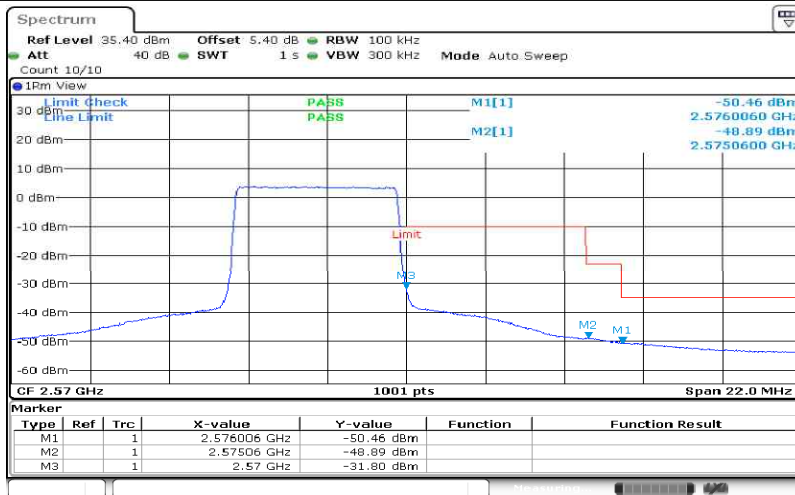
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**Band7-5MHz-64QAM-21425-1RB#24**



Date: 28.MAY.2020 02:51:57

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



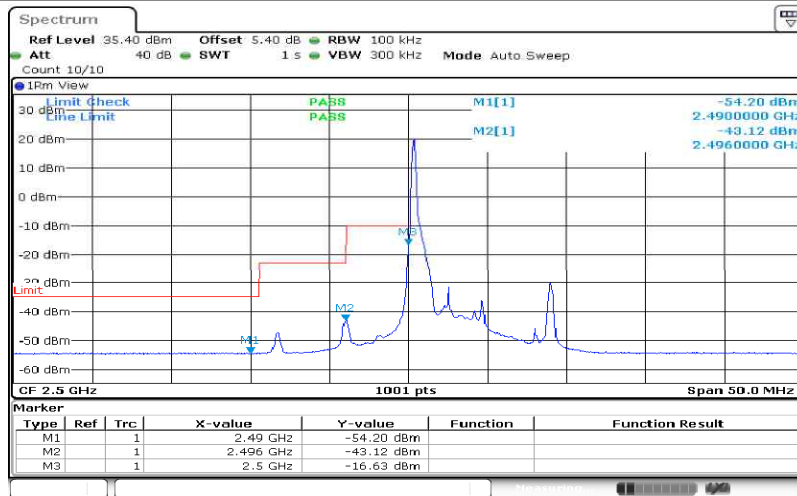
Date: 28.MAY.2020 02:52:56



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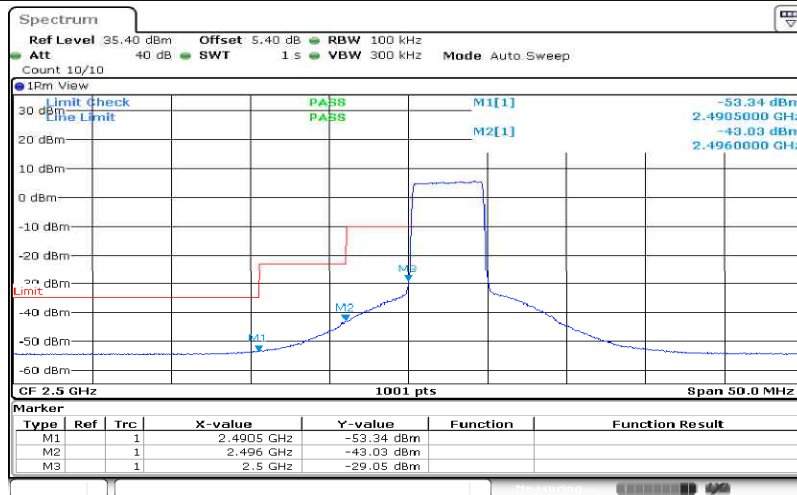


Band7-5MHz-16QAM-20775-1RB#0



Date: 27.MAY.2020 16:01:40

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



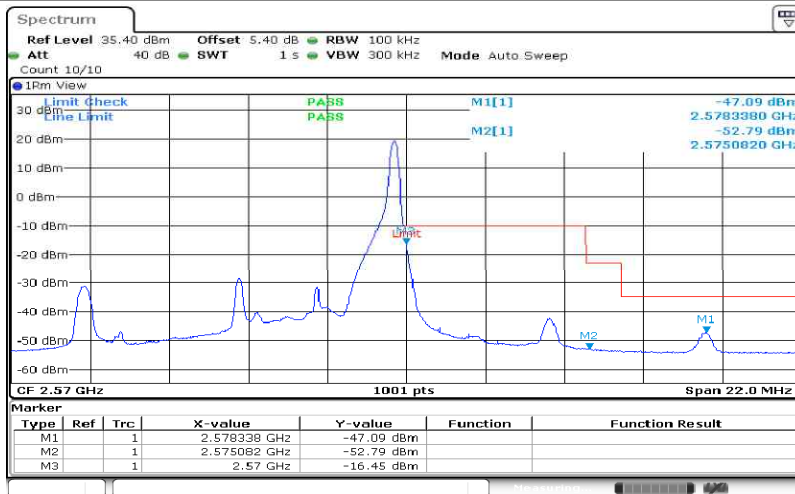
Date: 27.MAY.2020 16:03:14



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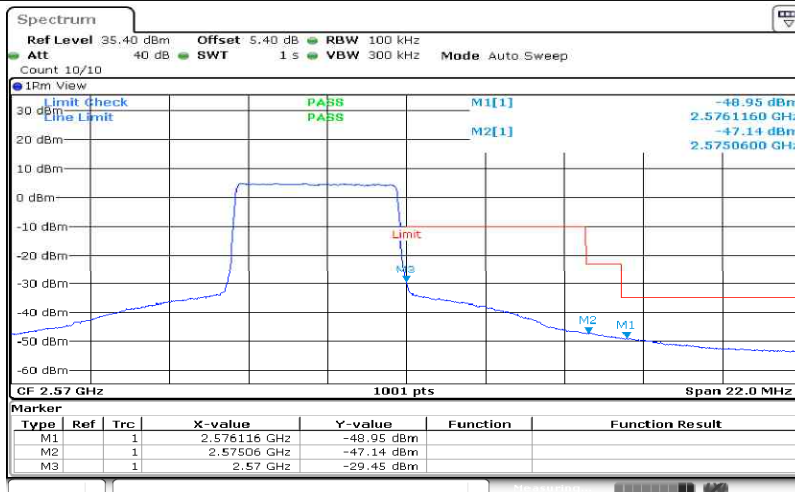


Band7-5MHz-16QAM-21425-1RB#24



Date: 27.MAY.2020 16:02:27

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



Date: 27.MAY.2020 16:03:58

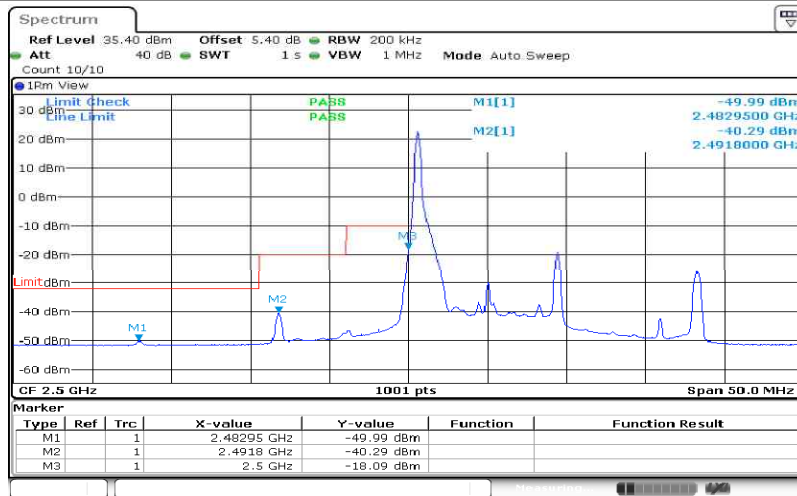


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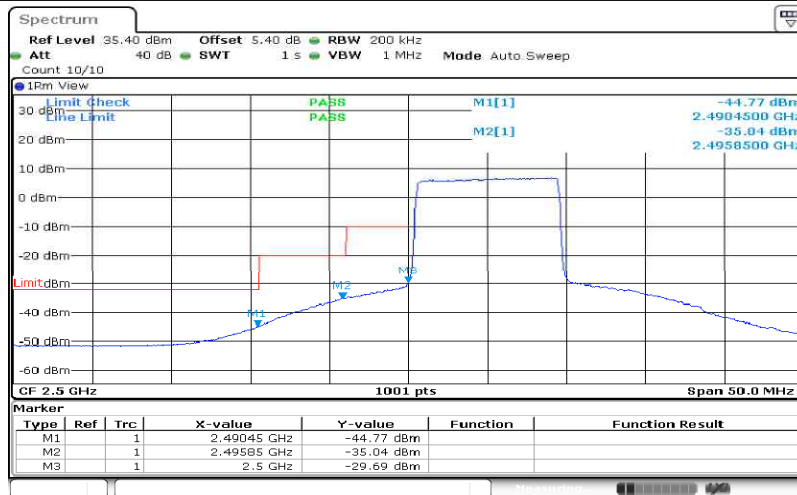


Band7-10MHz-QPSK-20800-1RB#0



Date: 27.MAY.2020 16:04:24

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



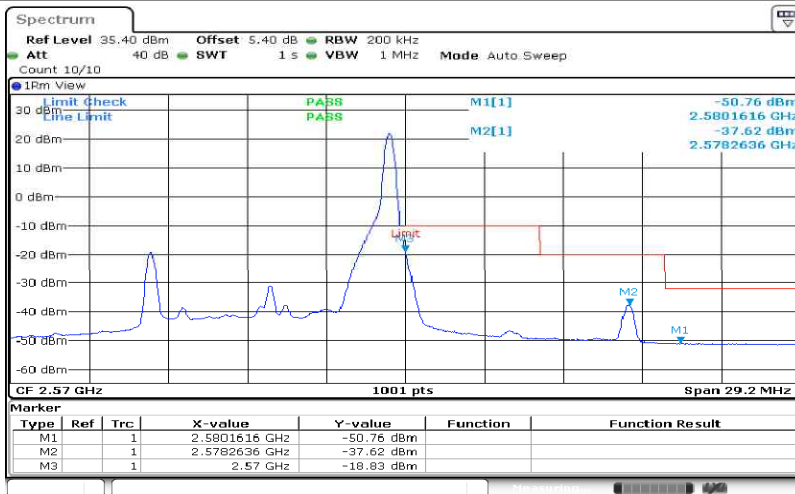
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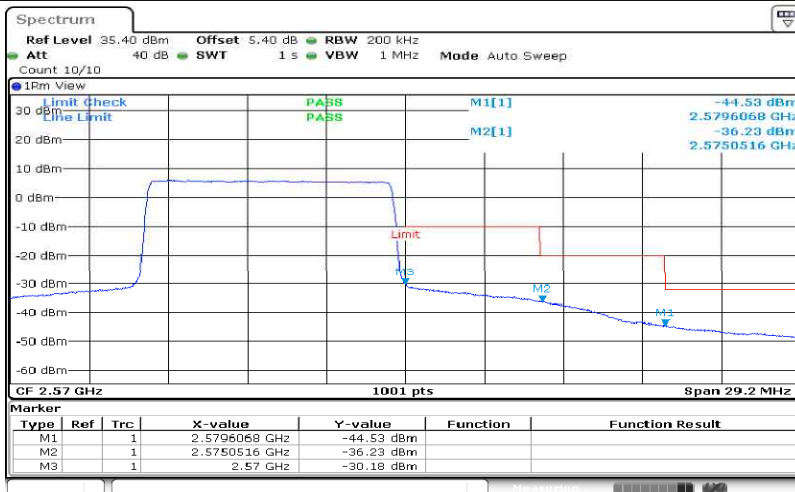


Band7-10MHz-QPSK-21400-1RB#49



Date: 27.MAY.2020 16:05:11

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



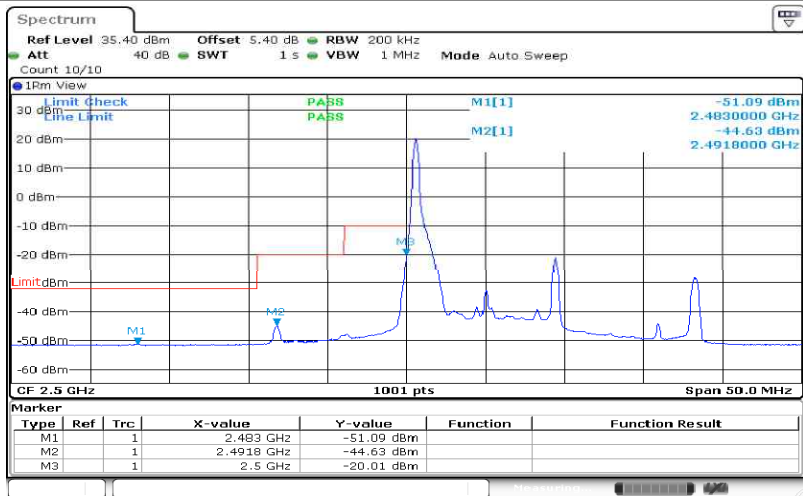
Date: 27.MAY.2020 16:06:41



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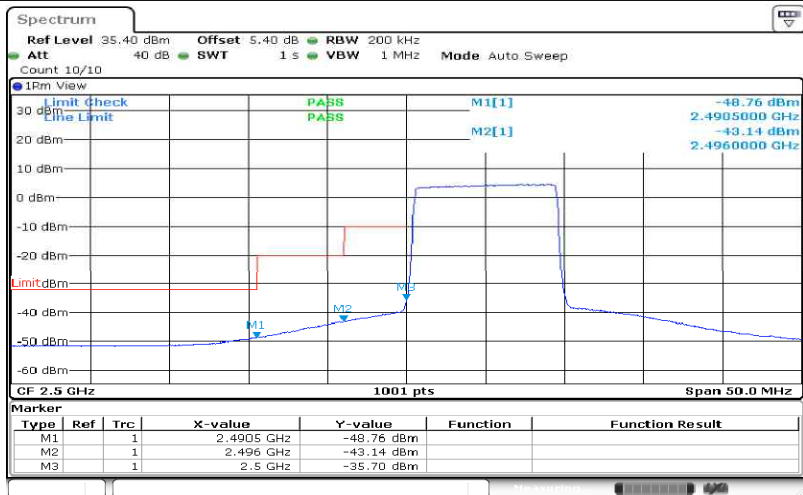


**Band7-10MHz-64QAM-20800-1RB#0**



Date: 28.MAY.2020 02:53:23

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



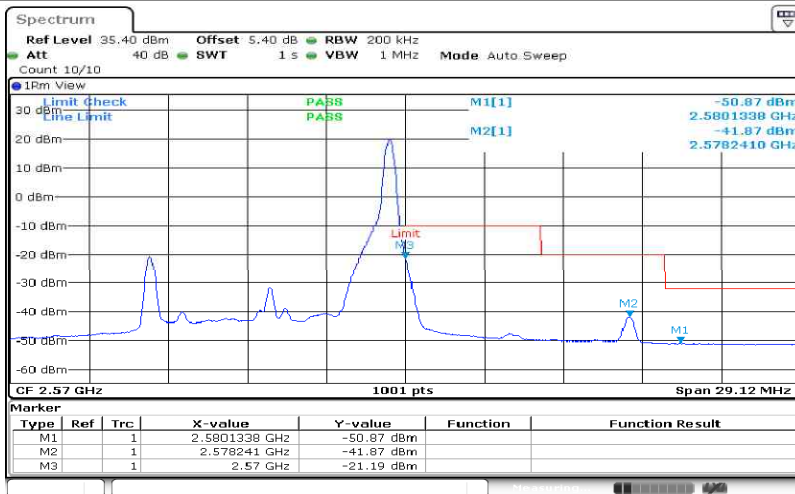
Date: 28.MAY.2020 02:54:28



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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

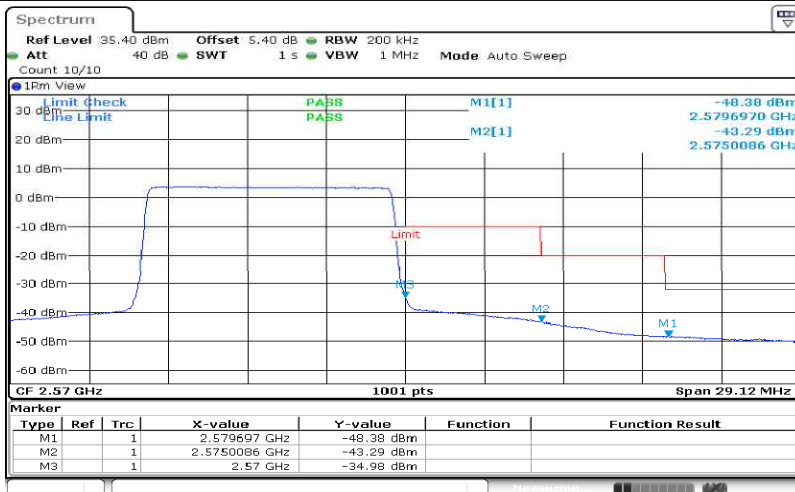


Band7-10MHz-64QAM-21400-1RB#49



Date: 28.MAY.2020 02:54:02

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



Date: 28.MAY.2020 02:54:49

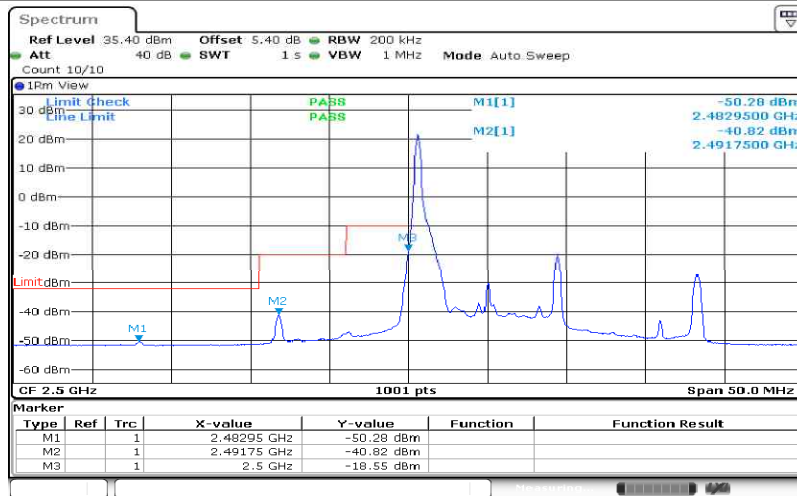


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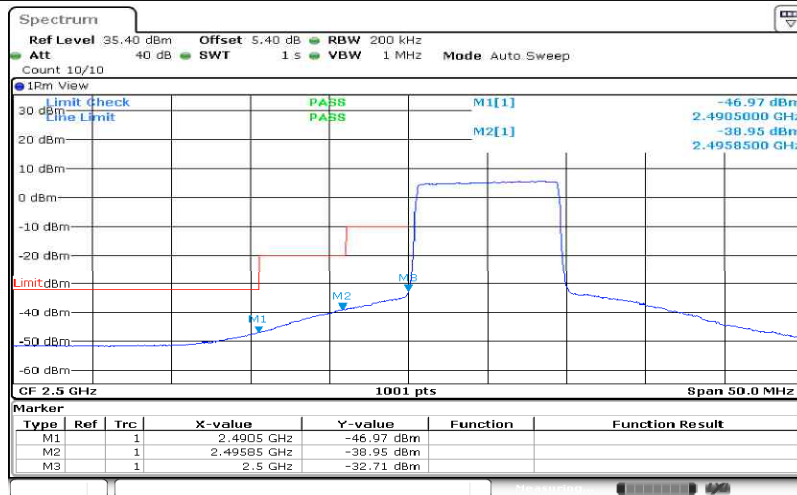


Band7-10MHz-16QAM-20800-1RB#0



Date: 27.MAY.2020 16:04:45

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

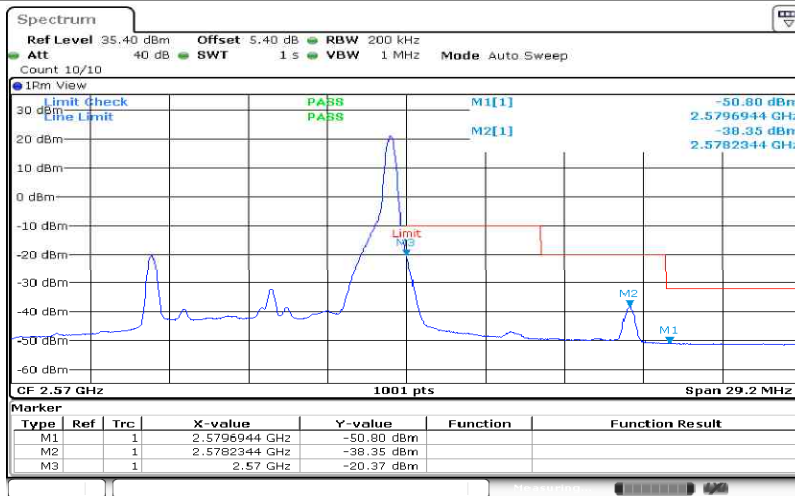


Date: 27.MAY.2020 16:06:20



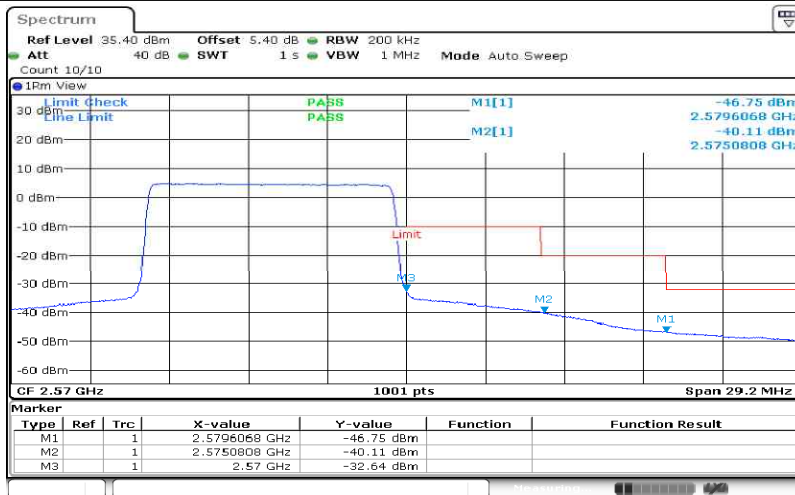
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**Band7-10MHz-16QAM-21400-1RB#49**



Date: 27.MAY.2020 16:05:33

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

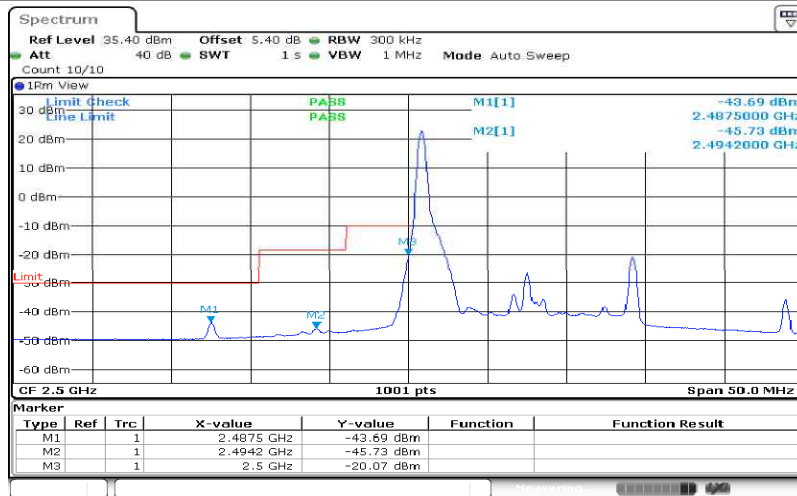


Date: 27.MAY.2020 16:07:03



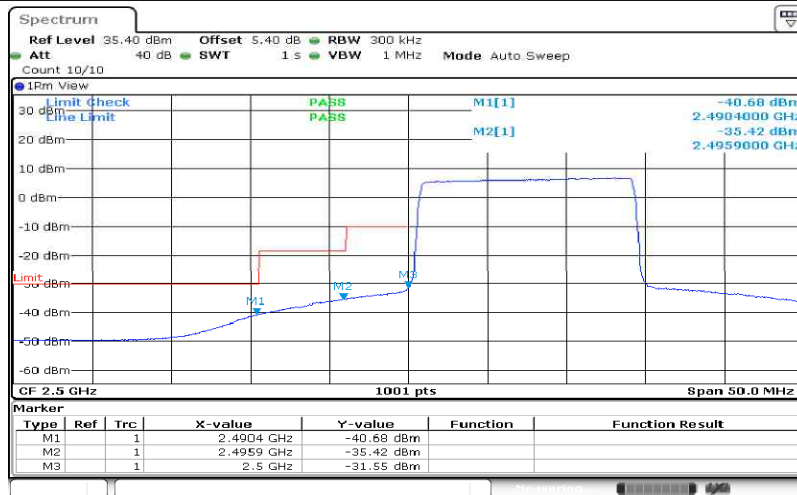
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**Band7-15MHz-QPSK-20825-1RB#0**



Date: 27.MAY.2020 16:07:29

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



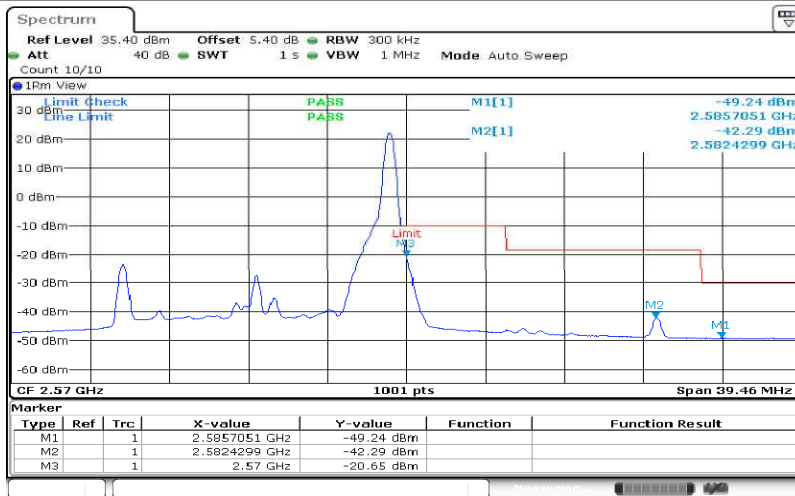
Date: 27.MAY.2020 16:09:03



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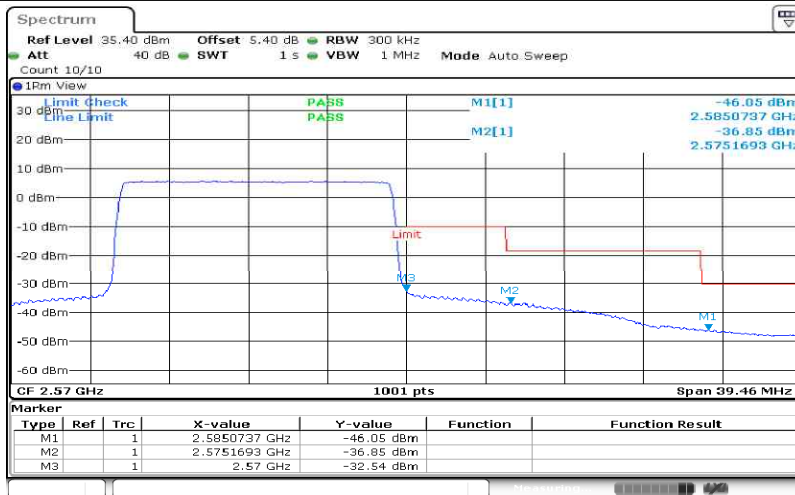


Band7-15MHz-QPSK-21375-1RB#74



Date: 27.MAY.2020 16:08:16

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



Date: 27.MAY.2020 16:09:46

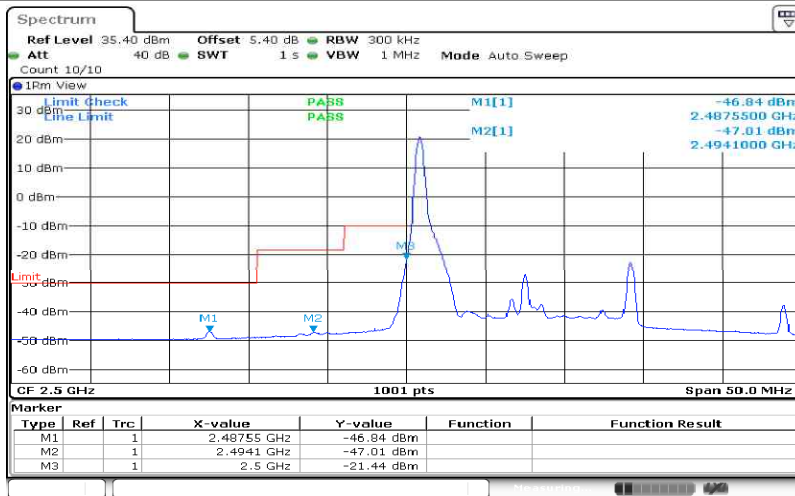


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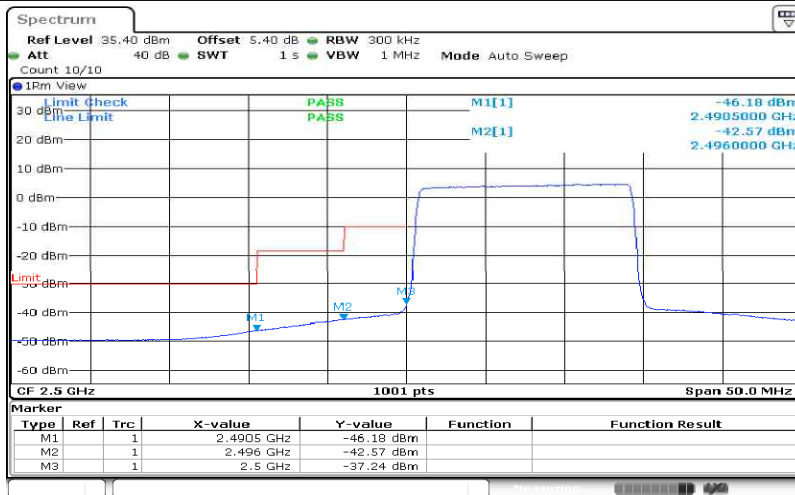


Band7-15MHz-64QAM-20825-1RB#0



Date: 28.MAY.2020 02:55:15

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



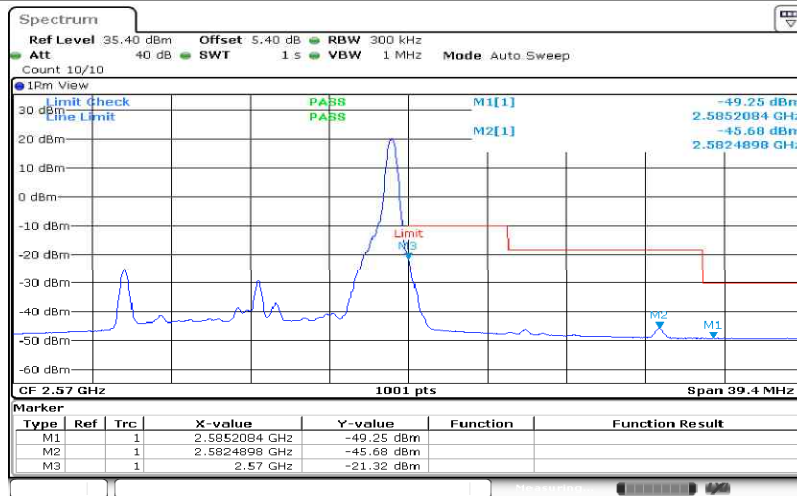
Date: 28.MAY.2020 02:56:07



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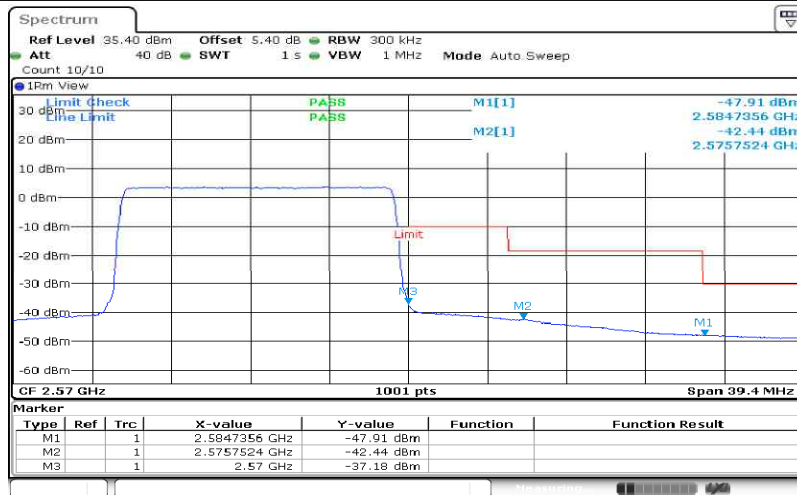


Band7-15MHz-64QAM-21375-1RB#74



Date: 28.MAY.2020 02:55:41

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

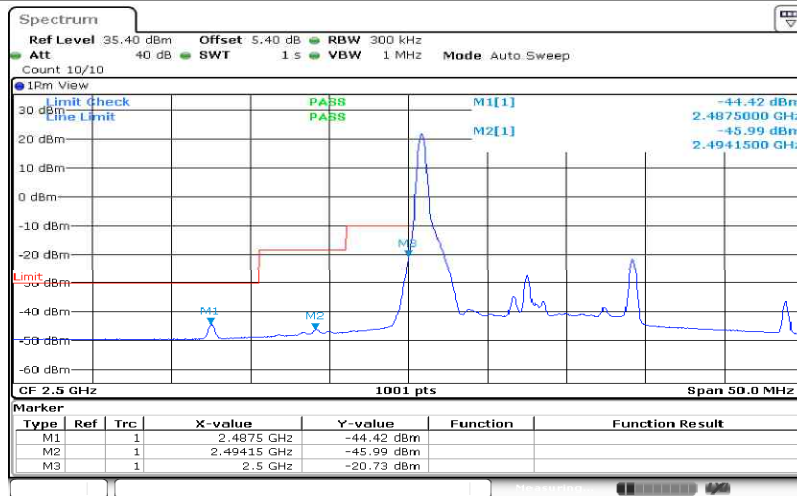


Date: 28.MAY.2020 02:56:28



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



Date: 27.MAY.2020 16:07:50

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



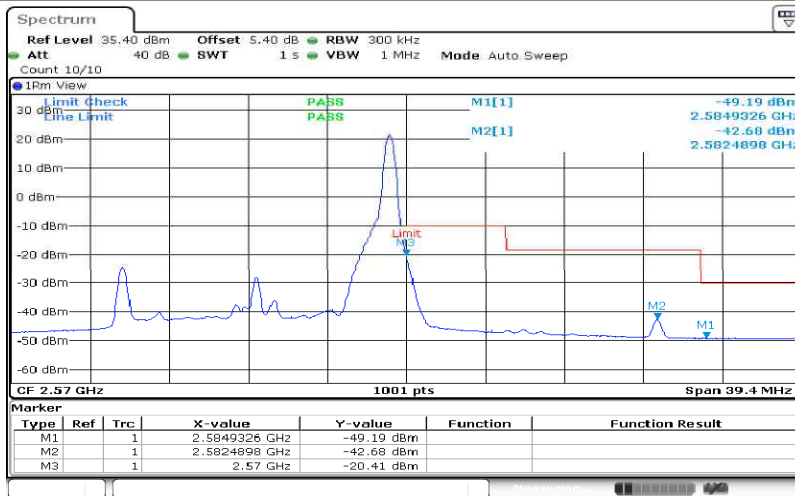
Date: 27.MAY.2020 16:09:24



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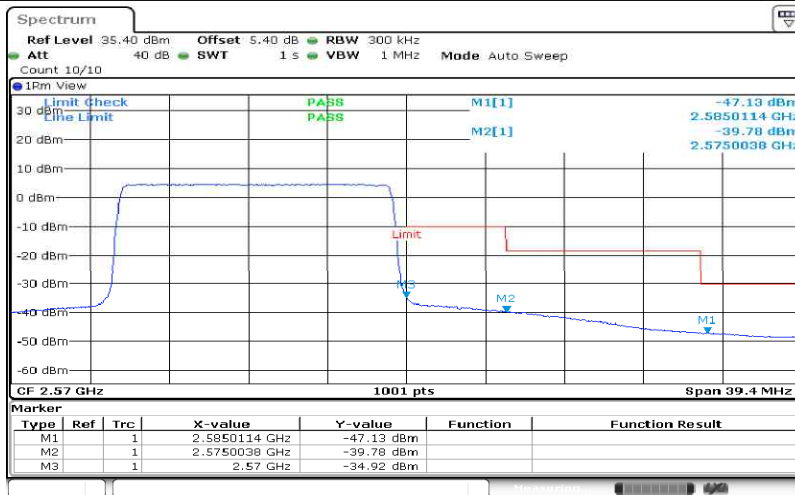


Band7-15MHz-16QAM-21375-1RB#74



Date: 27. MAY. 2020 16:08:37

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



Date: 27. MAY. 2020 16:10:07

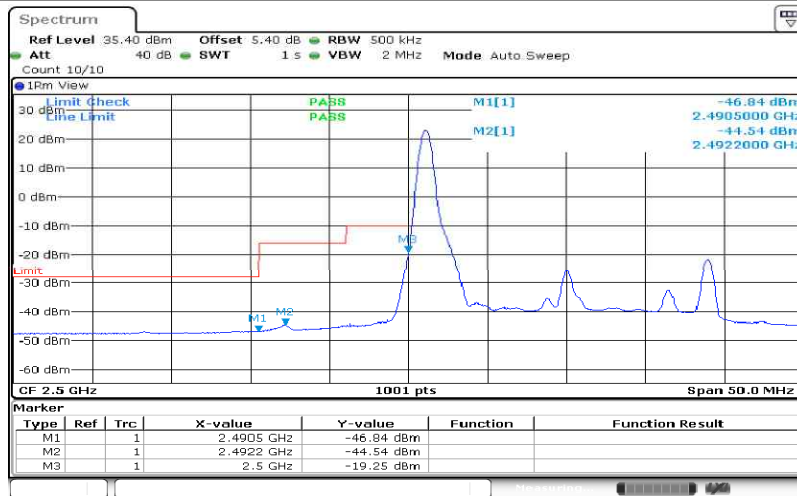


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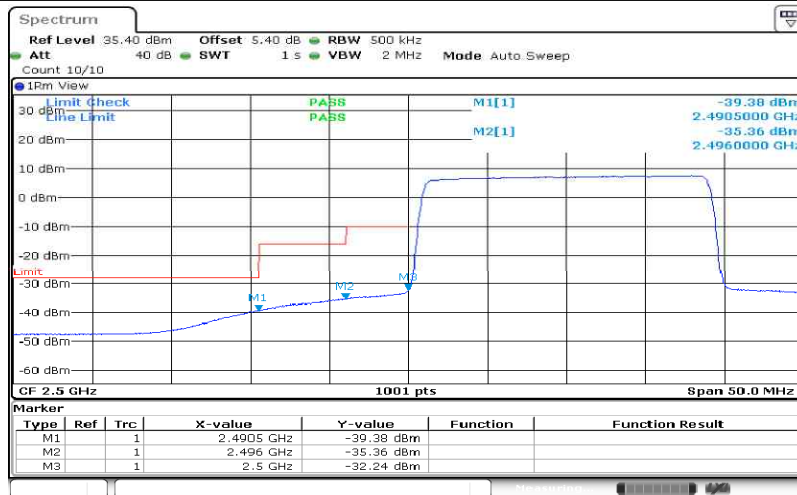


Band7-20MHz-QPSK-20850-1RB#0



Date: 27.MAY.2020 16:10:33

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



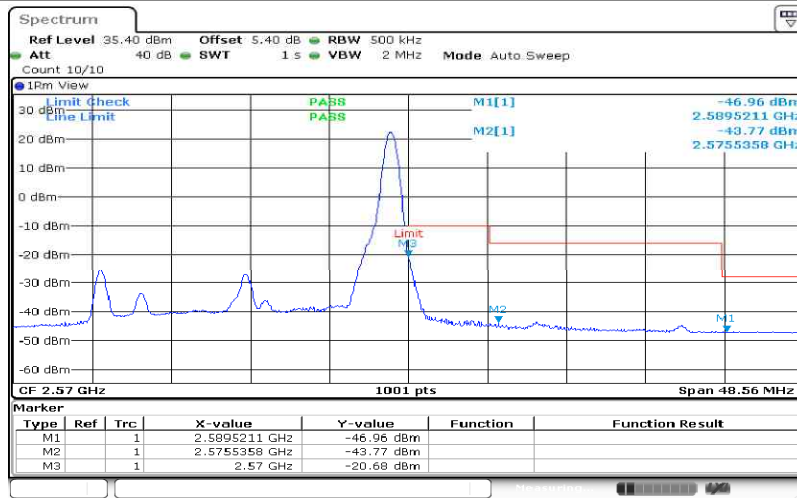
Date: 27.MAY.2020 16:12:07



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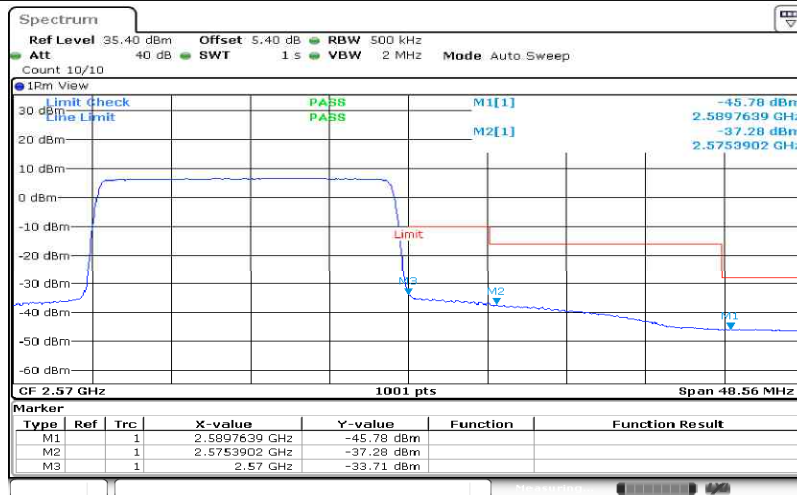


Band7-20MHz-QPSK-21350-1RB#99



Date: 27.MAY.2020 16:11:20

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



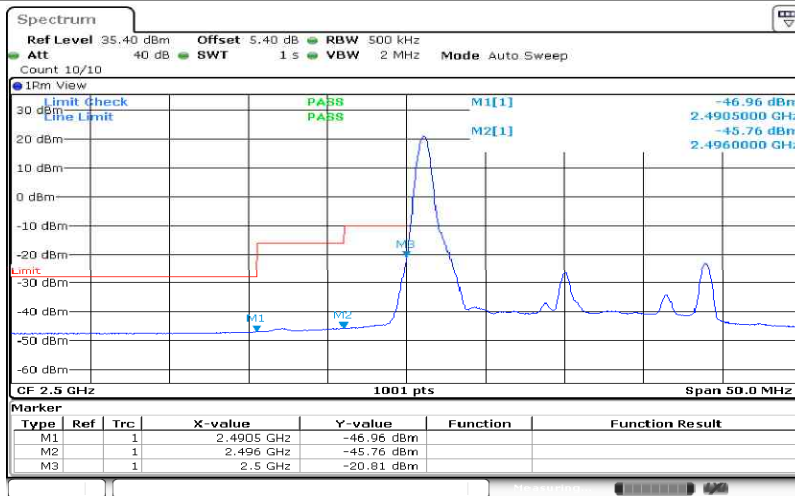
Date: 27.MAY.2020 16:12:50



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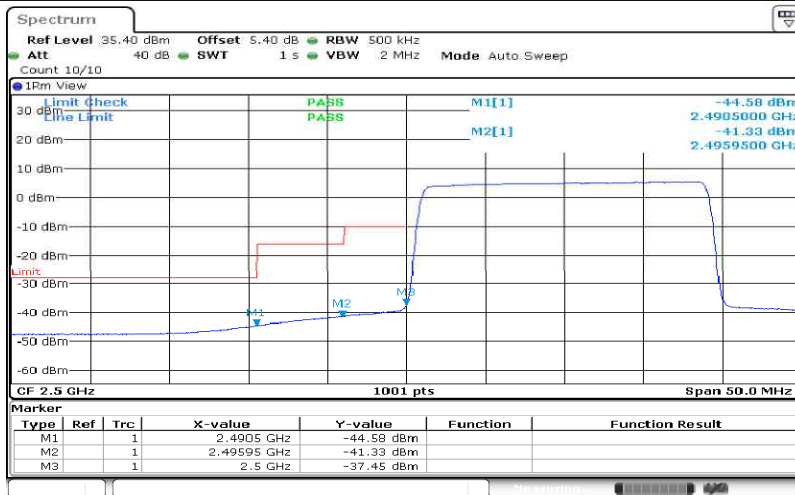


Band7-20MHz-64QAM-20850-1RB#0



Date: 28.MAY.2020 02:56:55

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

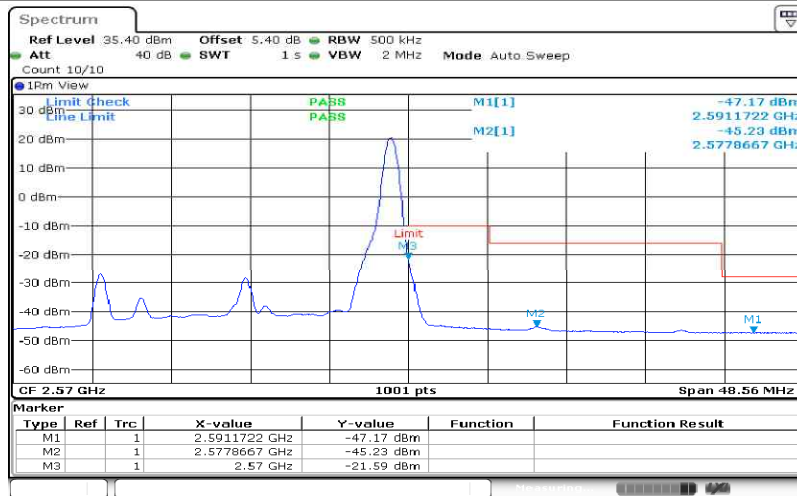


Date: 28.MAY.2020 02:57:47



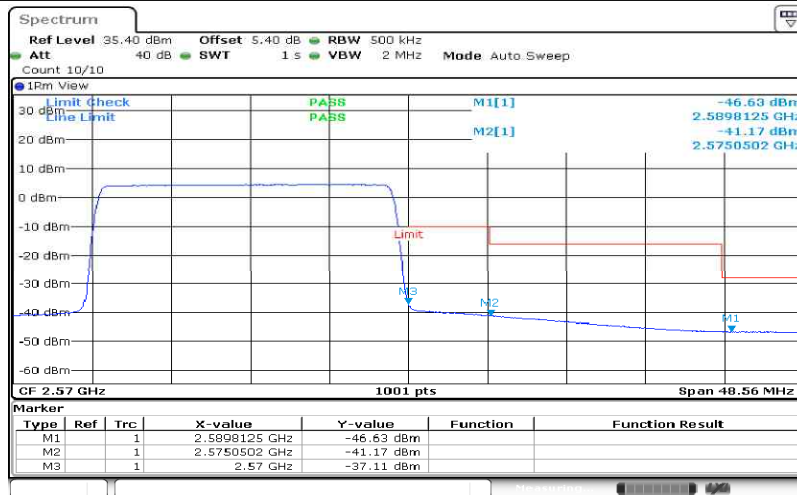
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**Band7-20MHz-64QAM-21350-1RB#99**



Date: 28.MAY.2020 02:57:20

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



Date: 28.MAY.2020 02:58:08

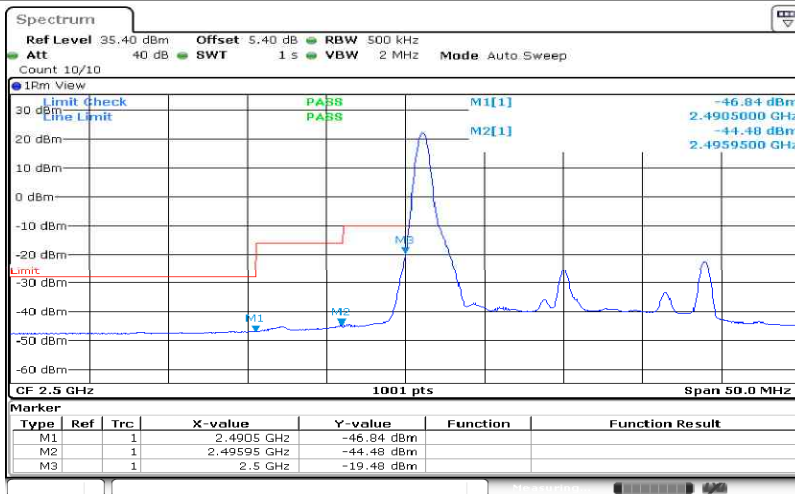


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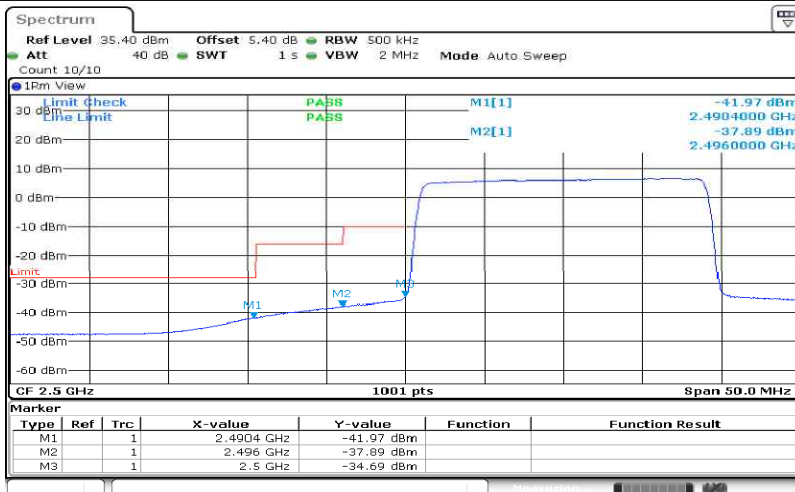


Band7-20MHz-16QAM-20850-1RB#0



Date: 27.MAY.2020 16:10:55

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



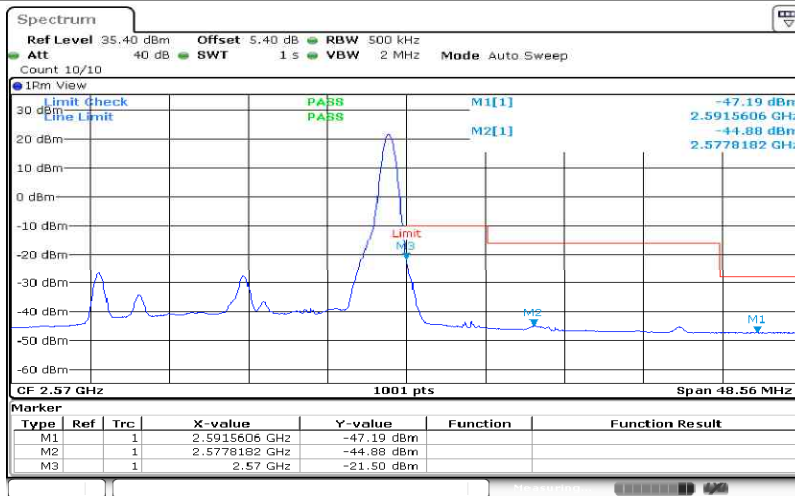
Date: 27.MAY.2020 16:12:29



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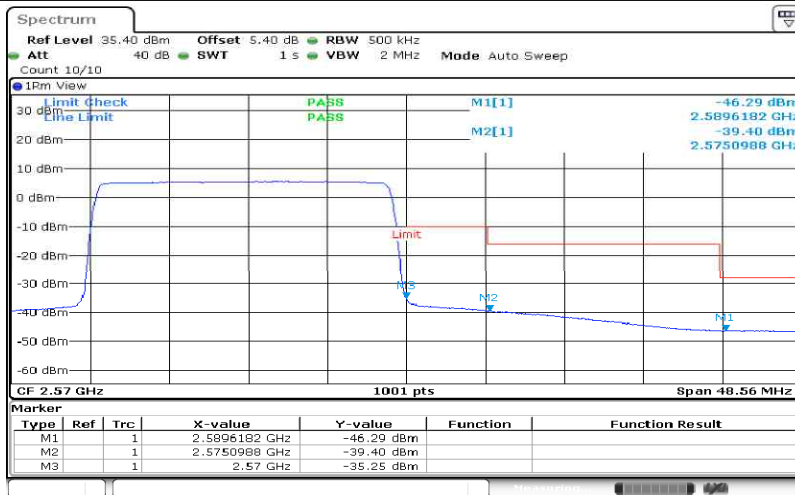


Band7-20MHz-16QAM-21350-1RB#99



Date: 27.MAY.2020 16:11:42

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



Date: 27.MAY.2020 16:13:12



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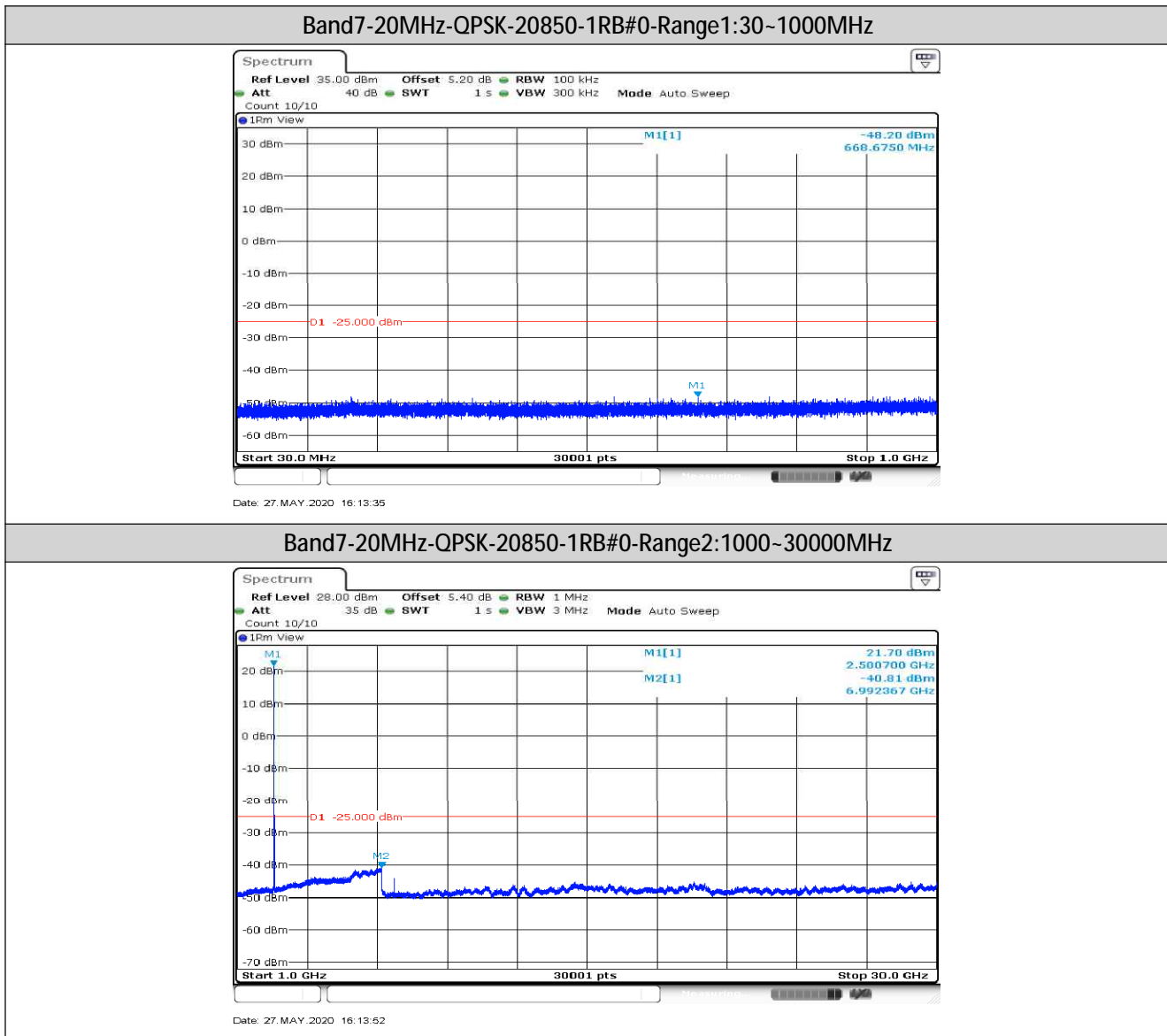


## 6. Spurious Emission at Antenna Terminal

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.

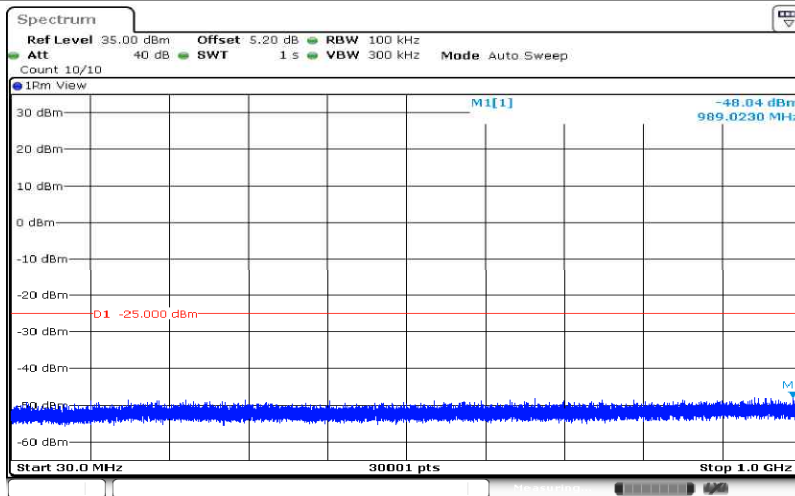
### 6.1. Test Plots



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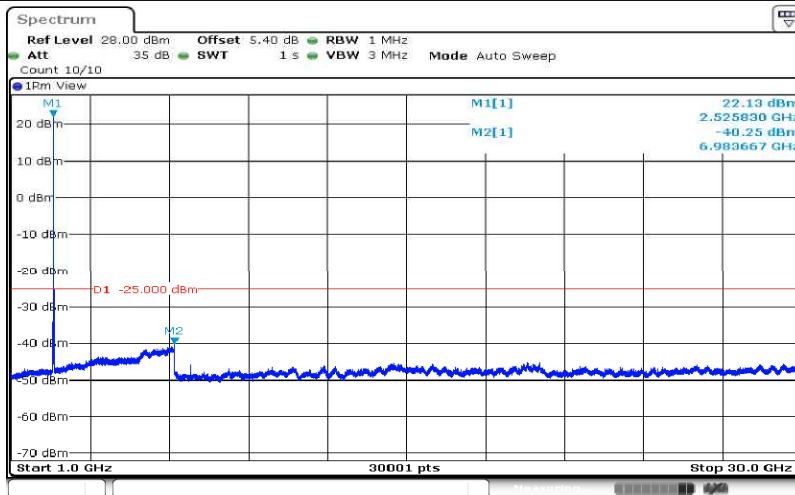


Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



Date: 27.MAY.2020 16:14:46

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



Date: 27.MAY.2020 16:15:02

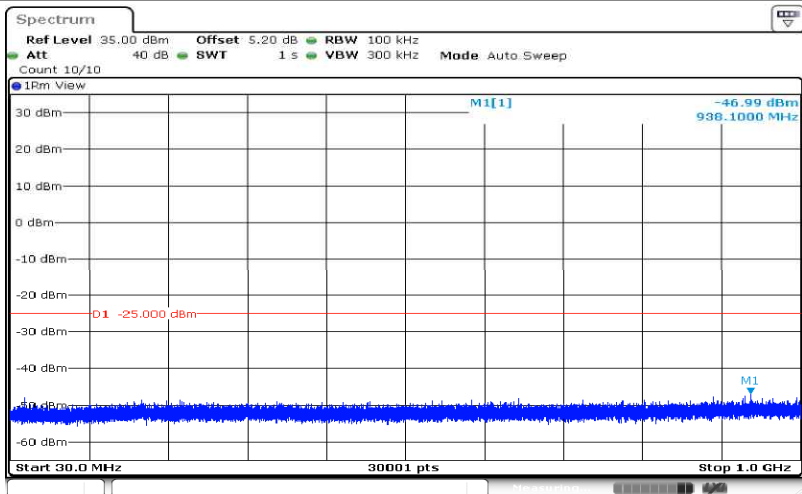


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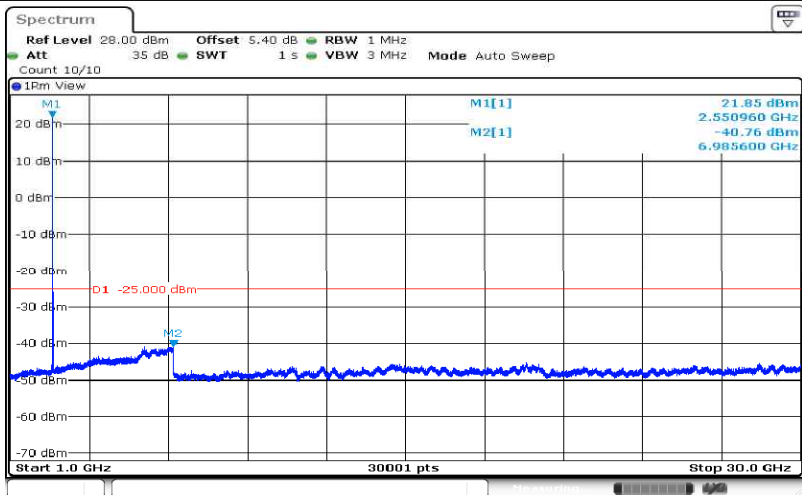


**Band7-20MHz-QPSK-21350-1RB#0-Range1:30~1000MHz**



Date: 27.MAY.2020 16:15:57

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



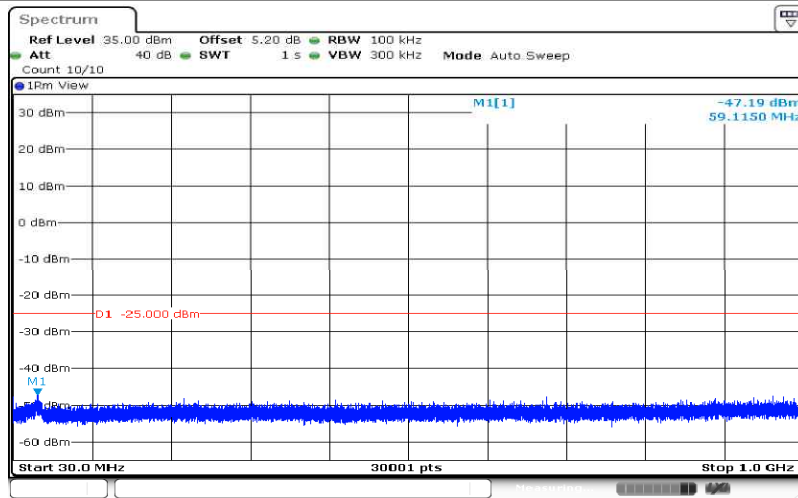
Date: 27.MAY.2020 16:16:13



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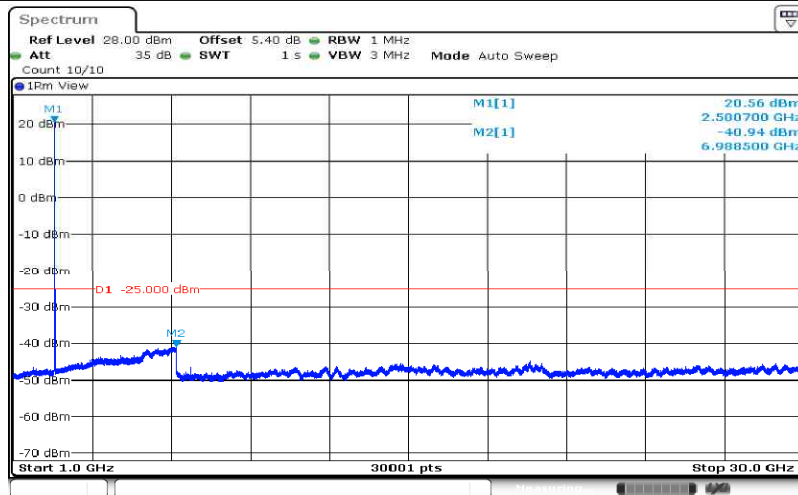


Band7-20MHz-64QAM-20850-1RB#0-Range1:30~1000MHz



Date: 28.MAY.2020 02:58:31

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



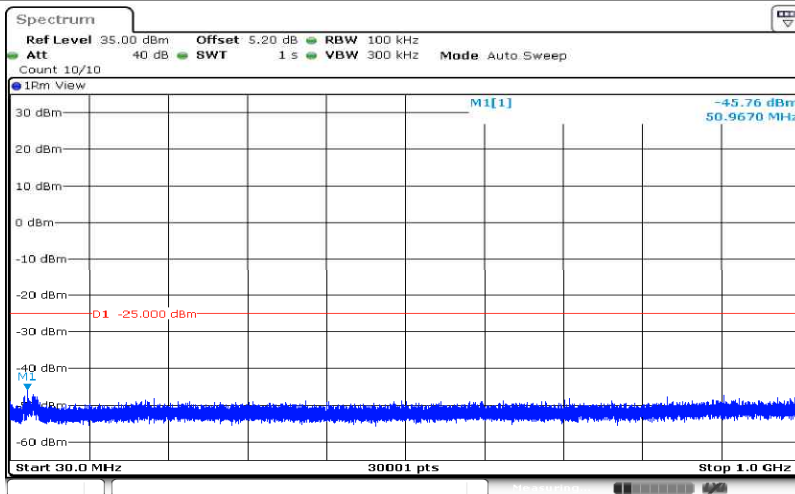
Date: 28.MAY.2020 02:58:48



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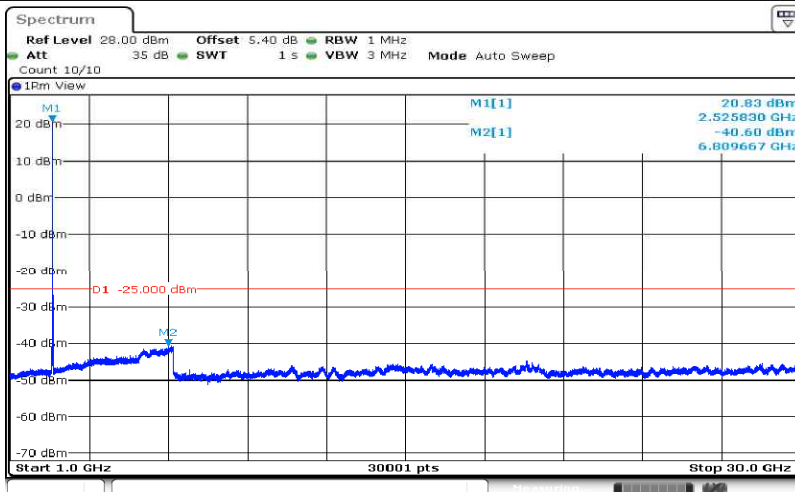


Band7-20MHz-64QAM-21100-1RB#0-Range1:30~1000MHz



Date: 28.MAY.2020 02:59:07

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



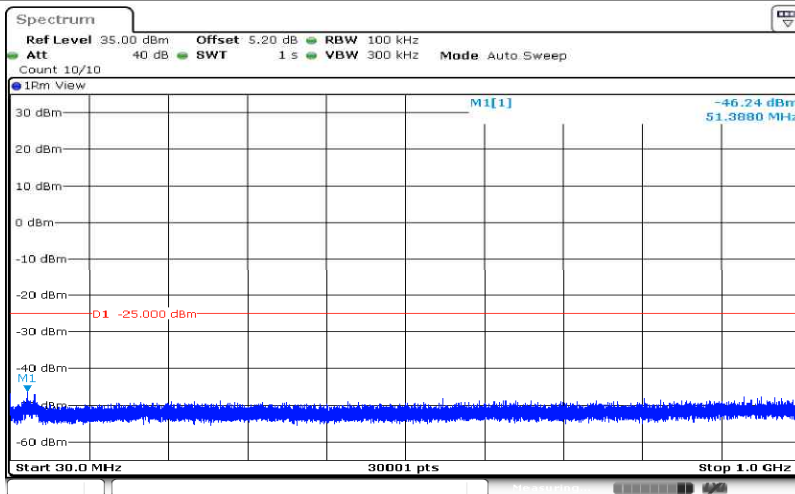
Date: 28.MAY.2020 02:59:23



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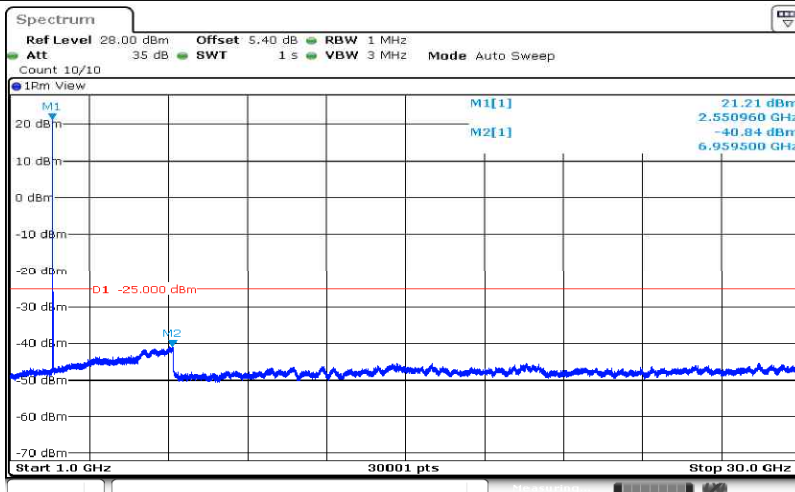


Band7-20MHz-64QAM-21350-1RB#0-Range1:30~1000MHz



Date: 28.MAY.2020 02:59:42

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



Date: 28.MAY.2020 02:59:59

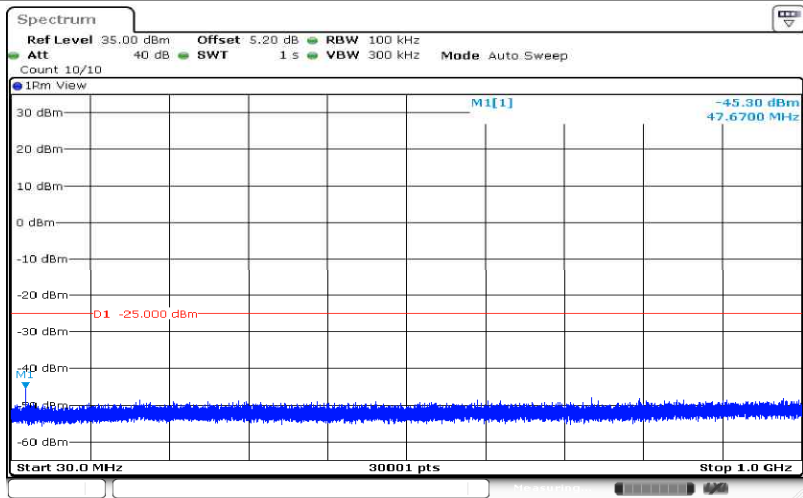


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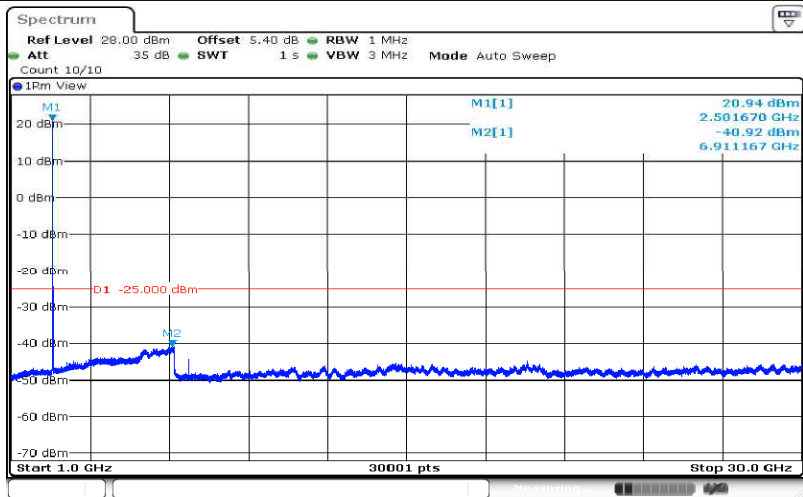


**Band7-20MHz-16QAM-20850-1RB#0-Range1:30~1000MHz**



Date: 27.MAY.2020 16:14:11

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



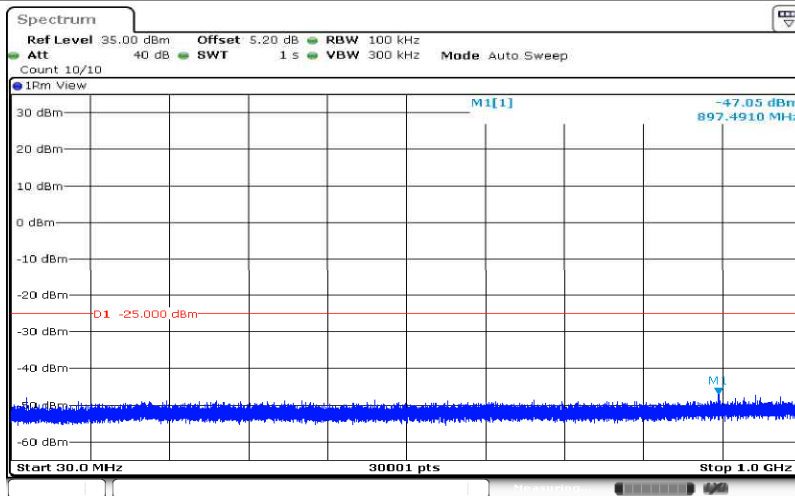
Date: 27.MAY.2020 16:14:27



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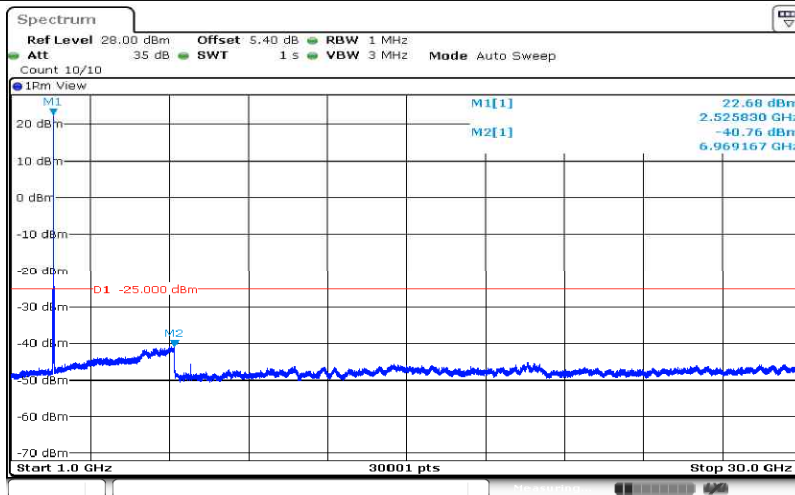


Band7-20MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



Date: 27.MAY.2020 16:15:21

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



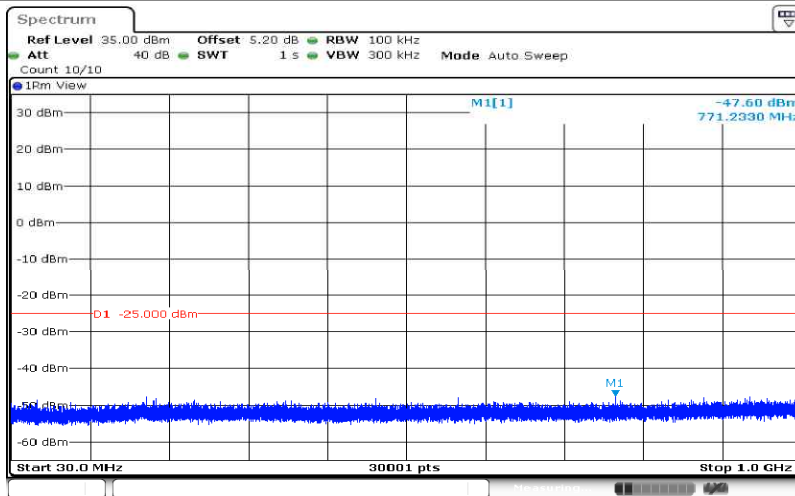
Date: 27.MAY.2020 16:15:38



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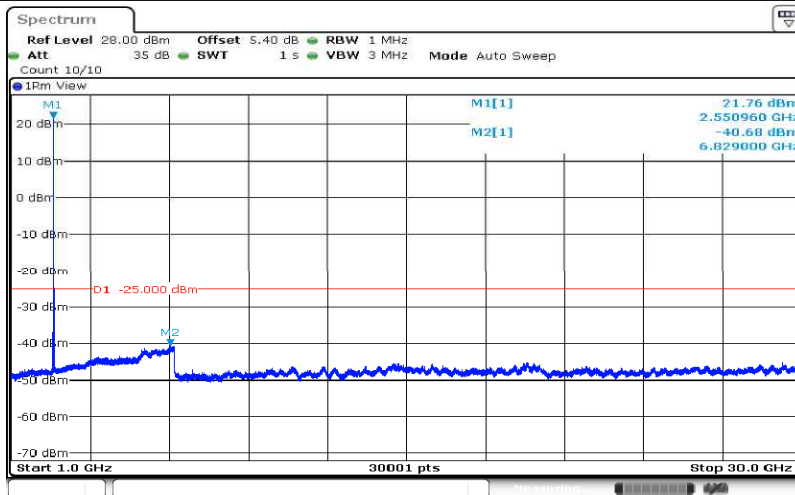


Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1000MHz



Date: 27.MAY.2020 16:16:32

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



Date: 27.MAY.2020 16:16:49



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## 7. Field Strength of Spurious Radiation

### 7.1. Test Band = LTE Band 7

#### 7.1.1. Test Mode = LTE/TM1 20MHz

##### 7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
111.9206	-65.61	-25.00	40.61	Vertical
623.3302	-63.98	-25.00	38.98	Vertical
1715.3431	-45.19	-25.00	20.19	Vertical
7359.1744	-57.80	-25.00	32.80	Vertical
14452.6581	-50.10	-25.00	25.10	Vertical
17997.5999	-42.01	-25.00	17.01	Vertical
42.2711	-64.70	-25.00	39.70	Horizontal
598.5939	-64.97	-25.00	39.97	Horizontal
1803.7608	-44.37	-25.00	19.37	Horizontal
7445.5778	-58.22	-25.00	33.22	Horizontal
16388.3355	-45.84	-25.00	20.84	Horizontal
17274.5710	-46.97	-25.00	21.97	Horizontal

##### 7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
112.3571	-65.92	-25.00	40.92	Vertical
601.6981	-64.51	-25.00	39.51	Vertical
1682.5365	-45.20	-25.00	20.20	Vertical
7320.7728	-57.14	-25.00	32.14	Vertical
14585.2634	-49.54	-25.00	24.54	Vertical
17997.5999	-42.12	-25.00	17.12	Vertical
38.6819	-64.57	-25.00	39.57	Horizontal
762.7261	-62.43	-25.00	37.43	Horizontal
1753.3507	-45.44	-25.00	20.44	Horizontal
7350.1740	-59.12	-25.00	34.12	Horizontal
16396.1358	-45.60	-25.00	20.60	Horizontal
17996.3999	-47.11	-25.00	22.11	Horizontal



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**7.1.1.3. Test Channel = HCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
107.7009	-66.08	-25.00	41.08	Vertical
748.0784	-63.39	-25.00	38.39	Vertical
1738.1476	-45.22	-25.00	20.22	Vertical
5102.4841	-61.41	-25.00	36.41	Vertical
14487.4595	-49.64	-25.00	24.64	Vertical
17995.1998	-42.16	-25.00	17.16	Vertical
43.5322	-64.31	-25.00	39.31	Horizontal
601.1646	-64.26	-25.00	39.26	Horizontal
1796.9594	-44.50	-25.00	19.50	Horizontal
7476.1790	-57.98	-25.00	32.98	Horizontal
16397.3359	-45.84	-25.00	20.84	Horizontal
17992.1997	-46.77	-25.00	21.77	Horizontal

**Remark:**

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



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## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	-2.30	-0.000916	±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	-5.70	-0.002271	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-2.60	-0.001026	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-3.50	-0.001381	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-0.80	-0.000316	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	-1.90	-0.000742	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-2.80	-0.001094	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-10.20	-0.003984	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VL	NT	2.30	0.000916	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VN	NT	-1.60	-0.000637	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VH	NT	-1.10	-0.000438	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VL	NT	-5.90	-0.002327	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VH	NT	-8.00	-0.003156	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VL	NT	-6.10	-0.002383	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VN	NT	-13.10	-0.005117	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VH	NT	-0.60	-0.000234	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	1.00	0.000398	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	0.20	0.000080	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	-6.60	-0.002629	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	0.50	0.000197	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-6.70	-0.002643	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-6.80	-0.002682	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	-9.00	-0.003516	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	-8.80	-0.003438	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	-6.60	-0.002578	±2.5	PASS

### 8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
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Band7	20MHz	QPSK	20850	100RB#0	NV	-30	-1.30	-0.000518	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-2.20	-0.000876	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	-1.30	-0.000518	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	0.70	0.000279	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	-0.40	-0.000159	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	-1.30	-0.000518	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	-2.10	-0.000837	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	-7.60	-0.003028	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-3.60	-0.001420	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-5.30	-0.002091	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-8.40	-0.003314	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-9.20	-0.003629	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-5.70	-0.002249	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	0.30	0.000118	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	0.70	0.000276	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	2.40	0.000947	±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	-5.70	-0.002227	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-3.30	-0.001289	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-5.70	-0.002227	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-5.50	-0.002148	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	-11.10	-0.004336	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	-3.20	-0.001250	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-9.80	-0.003828	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-30	0.10	0.000040	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-20	4.80	0.001912	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	0	-1.50	-0.000598	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	10	-4.00	-0.001594	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	20	-0.10	-0.000040	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	30	-1.10	-0.000438	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	40	-0.30	-0.000120	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	50	-0.90	-0.000359	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-30	-11.10	-0.004379	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-20	-9.20	-0.003629	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	0	-6.20	-0.002446	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	10	-7.20	-0.002840	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	20	-3.40	-0.001341	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	30	-5.20	-0.002051	±2.5	PASS



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Band7	20MHz	64QAM	21100	100RB#0	NV	40	-9.50	-0.003748	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	50	0.50	0.000197	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-30	-1.80	-0.000703	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-20	-8.30	-0.003242	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	0	-4.80	-0.001875	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	10	-6.90	-0.002695	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	20	-4.10	-0.001602	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	30	-5.00	-0.001953	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	40	-5.60	-0.002188	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	50	-6.00	-0.002344	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	-1.60	-0.000637	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	-1.90	-0.000757	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	-4.60	-0.001833	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	-9.90	-0.003944	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	1.10	0.000438	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	30	-0.60	-0.000239	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	-5.30	-0.002112	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	-2.90	-0.001155	±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	-20	-3.80	-0.001499	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-2.00	-0.000789	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-3.00	-0.001183	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-2.50	-0.000986	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	-4.30	-0.001696	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	-3.70	-0.001460	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	-1.50	-0.000592	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	-5.40	-0.002109	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	-1.60	-0.000625	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	-2.80	-0.001094	±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	-1.00	-0.000391	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	-12.40	-0.004844	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	-11.30	-0.004414	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	-10.80	-0.004219	±2.5	PASS



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