



Appendix B

E-UTRA Band 7



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.04	21.64	33	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.92	21.52	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.97	21.57	33	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.03	20.63	33	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.02	20.62	33	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.06	20.66	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.12	20.72	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.93	21.53	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.08	21.68	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.93	21.53	33	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.10	20.7	33	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.10	20.7	33	PASS
Band7	5MHz	QPSK	21100	12RB#13	22.14	20.74	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.03	20.63	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.00	21.6	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.03	21.63	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.00	21.6	33	PASS
Band7	5MHz	QPSK	21425	12RB#13	22.12	20.72	33	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.00	20.6	33	PASS
Band7	5MHz	QPSK	21425	12RB#0	22.15	20.75	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.07	20.67	33	PASS
Band7	5MHz	64QAM	20775	1RB#0	20.93	19.53	33	PASS
Band7	5MHz	64QAM	20775	1RB#24	20.79	19.39	33	PASS
Band7	5MHz	64QAM	20775	1RB#12	20.82	19.42	33	PASS
Band7	5MHz	64QAM	20775	12RB#0	19.97	18.57	33	PASS
Band7	5MHz	64QAM	20775	12RB#6	19.88	18.48	33	PASS
Band7	5MHz	64QAM	20775	12RB#13	19.71	18.31	33	PASS
Band7	5MHz	64QAM	20775	25RB#0	20.00	18.6	33	PASS



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Band7	5MHz	64QAM	21100	1RB#0	20.97	19.57	33	PASS
Band7	5MHz	64QAM	21100	1RB#12	20.72	19.32	33	PASS
Band7	5MHz	64QAM	21100	1RB#24	20.77	19.37	33	PASS
Band7	5MHz	64QAM	21100	12RB#13	19.83	18.43	33	PASS
Band7	5MHz	64QAM	21100	12RB#6	19.98	18.58	33	PASS
Band7	5MHz	64QAM	21100	12RB#0	19.90	18.5	33	PASS
Band7	5MHz	64QAM	21100	25RB#0	19.94	18.54	33	PASS
Band7	5MHz	64QAM	21425	1RB#0	21.02	19.62	33	PASS
Band7	5MHz	64QAM	21425	1RB#12	20.83	19.43	33	PASS
Band7	5MHz	64QAM	21425	1RB#24	20.63	19.23	33	PASS
Band7	5MHz	64QAM	21425	12RB#0	20.02	18.62	33	PASS
Band7	5MHz	64QAM	21425	12RB#6	19.69	18.29	33	PASS
Band7	5MHz	64QAM	21425	12RB#13	19.99	18.59	33	PASS
Band7	5MHz	64QAM	21425	25RB#0	19.71	18.31	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.03	20.63	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.87	20.47	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.98	20.58	33	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.08	19.68	33	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.96	19.56	33	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.90	19.5	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.16	19.76	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.10	20.7	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.80	20.4	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.90	20.5	33	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.99	19.59	33	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.06	19.66	33	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.05	19.65	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.02	19.62	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.13	20.73	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.98	20.58	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.75	20.35	33	PASS
Band7	5MHz	16QAM	21425	12RB#0	21.15	19.75	33	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.80	19.4	33	PASS



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Band7	5MHz	16QAM	21425	12RB#13	21.14	19.74	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.80	19.4	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.22	21.82	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.01	21.61	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.21	21.81	33	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.05	20.65	33	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.10	20.7	33	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.03	20.63	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.09	20.69	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.16	21.76	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.08	21.68	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.19	21.79	33	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.02	20.62	33	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.00	20.6	33	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.02	20.62	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.06	20.66	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.03	21.63	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.22	21.82	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.09	21.69	33	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.10	20.7	33	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.90	20.5	33	PASS
Band7	10MHz	QPSK	21400	25RB#12	22.05	20.65	33	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.01	20.61	33	PASS
Band7	10MHz	64QAM	20800	1RB#24	20.97	19.57	33	PASS
Band7	10MHz	64QAM	20800	1RB#49	20.92	19.52	33	PASS
Band7	10MHz	64QAM	20800	1RB#0	21.05	19.65	33	PASS
Band7	10MHz	64QAM	20800	25RB#0	19.82	18.42	33	PASS
Band7	10MHz	64QAM	20800	25RB#12	19.95	18.55	33	PASS
Band7	10MHz	64QAM	20800	25RB#25	19.99	18.59	33	PASS
Band7	10MHz	64QAM	20800	50RB#0	19.98	18.58	33	PASS
Band7	10MHz	64QAM	21100	1RB#49	21.01	19.61	33	PASS
Band7	10MHz	64QAM	21100	1RB#0	20.98	19.58	33	PASS
Band7	10MHz	64QAM	21100	1RB#24	20.96	19.56	33	PASS



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Band7	10MHz	64QAM	21100	25RB#0	19.83	18.43	33	PASS
Band7	10MHz	64QAM	21100	25RB#12	19.94	18.54	33	PASS
Band7	10MHz	64QAM	21100	25RB#25	19.96	18.56	33	PASS
Band7	10MHz	64QAM	21100	50RB#0	20.00	18.6	33	PASS
Band7	10MHz	64QAM	21400	1RB#0	21.01	19.61	33	PASS
Band7	10MHz	64QAM	21400	1RB#49	21.03	19.63	33	PASS
Band7	10MHz	64QAM	21400	1RB#24	21.05	19.65	33	PASS
Band7	10MHz	64QAM	21400	25RB#25	19.95	18.55	33	PASS
Band7	10MHz	64QAM	21400	25RB#0	20.02	18.62	33	PASS
Band7	10MHz	64QAM	21400	25RB#12	20.01	18.61	33	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.00	18.6	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.10	20.7	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.08	20.68	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.14	20.74	33	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.00	19.6	33	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.12	19.72	33	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.17	19.77	33	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.14	19.74	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.17	20.77	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.16	20.76	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.05	20.65	33	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.98	19.58	33	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.06	19.66	33	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.15	19.75	33	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.15	19.75	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.18	20.78	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.15	20.75	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.13	20.73	33	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.05	19.65	33	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.10	19.7	33	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.14	19.74	33	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.16	19.76	33	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.17	21.77	33	PASS



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Band7	15MHz	QPSK	20825	1RB#38	23.04	21.64	33	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.04	21.64	33	PASS
Band7	15MHz	QPSK	20825	36RB#39	21.95	20.55	33	PASS
Band7	15MHz	QPSK	20825	36RB#18	22.01	20.61	33	PASS
Band7	15MHz	QPSK	20825	36RB#0	22.16	20.76	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.89	20.49	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.15	21.75	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.28	21.88	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.18	21.78	33	PASS
Band7	15MHz	QPSK	21100	36RB#0	21.94	20.54	33	PASS
Band7	15MHz	QPSK	21100	36RB#18	22.06	20.66	33	PASS
Band7	15MHz	QPSK	21100	36RB#39	22.01	20.61	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.90	20.5	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.11	21.71	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.13	21.73	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.27	21.87	33	PASS
Band7	15MHz	QPSK	21375	36RB#0	22.10	20.7	33	PASS
Band7	15MHz	QPSK	21375	36RB#18	22.15	20.75	33	PASS
Band7	15MHz	QPSK	21375	36RB#39	22.20	20.8	33	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.10	20.7	33	PASS
Band7	15MHz	64QAM	20825	1RB#74	21.11	19.71	33	PASS
Band7	15MHz	64QAM	20825	1RB#38	21.05	19.65	33	PASS
Band7	15MHz	64QAM	20825	1RB#0	20.96	19.56	33	PASS
Band7	15MHz	64QAM	20825	36RB#0	19.99	18.59	33	PASS
Band7	15MHz	64QAM	20825	36RB#18	19.93	18.53	33	PASS
Band7	15MHz	64QAM	20825	36RB#39	19.92	18.52	33	PASS
Band7	15MHz	64QAM	20825	75RB#0	19.79	18.39	33	PASS
Band7	15MHz	64QAM	21100	1RB#38	20.99	19.59	33	PASS
Band7	15MHz	64QAM	21100	1RB#74	20.90	19.5	33	PASS
Band7	15MHz	64QAM	21100	1RB#0	20.98	19.58	33	PASS
Band7	15MHz	64QAM	21100	36RB#39	20.09	18.69	33	PASS
Band7	15MHz	64QAM	21100	36RB#0	19.94	18.54	33	PASS
Band7	15MHz	64QAM	21100	36RB#18	19.96	18.56	33	PASS



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Band7	15MHz	64QAM	21100	75RB#0	19.96	18.56	33	PASS
Band7	15MHz	64QAM	21375	1RB#0	21.02	19.62	33	PASS
Band7	15MHz	64QAM	21375	1RB#38	21.13	19.73	33	PASS
Band7	15MHz	64QAM	21375	1RB#74	21.06	19.66	33	PASS
Band7	15MHz	64QAM	21375	36RB#18	20.08	18.68	33	PASS
Band7	15MHz	64QAM	21375	36RB#0	19.88	18.48	33	PASS
Band7	15MHz	64QAM	21375	36RB#39	20.08	18.68	33	PASS
Band7	15MHz	64QAM	21375	75RB#0	20.01	18.61	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.19	20.79	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.13	20.73	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.10	20.7	33	PASS
Band7	15MHz	16QAM	20825	36RB#0	21.17	19.77	33	PASS
Band7	15MHz	16QAM	20825	36RB#39	21.07	19.67	33	PASS
Band7	15MHz	16QAM	20825	36RB#18	21.06	19.66	33	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.98	19.58	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.08	20.68	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.06	20.66	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.15	20.75	33	PASS
Band7	15MHz	16QAM	21100	36RB#0	21.23	19.83	33	PASS
Band7	15MHz	16QAM	21100	36RB#18	21.10	19.7	33	PASS
Band7	15MHz	16QAM	21100	36RB#39	21.14	19.74	33	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.10	19.7	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.16	20.76	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.21	20.81	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.15	20.75	33	PASS
Band7	15MHz	16QAM	21375	36RB#0	21.16	19.76	33	PASS
Band7	15MHz	16QAM	21375	36RB#18	21.06	19.66	33	PASS
Band7	15MHz	16QAM	21375	36RB#39	21.17	19.77	33	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.13	19.73	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.22	21.82	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.16	21.76	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.13	21.73	33	PASS
Band7	20MHz	QPSK	20850	50RB#25	22.10	20.7	33	PASS



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Band7	20MHz	QPSK	20850	50RB#0	22.10	20.7	33	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.16	20.76	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.95	20.55	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.16	21.76	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.08	21.68	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.14	21.74	33	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.05	20.65	33	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.12	20.72	33	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.05	20.65	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.10	20.7	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.26	21.86	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.06	21.66	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.08	21.68	33	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.10	20.7	33	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.15	20.75	33	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.12	20.72	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.13	20.73	33	PASS
Band7	20MHz	64QAM	20850	1RB#0	20.98	19.58	33	PASS
Band7	20MHz	64QAM	20850	1RB#49	20.96	19.56	33	PASS
Band7	20MHz	64QAM	20850	1RB#99	20.99	19.59	33	PASS
Band7	20MHz	64QAM	20850	50RB#50	20.00	18.6	33	PASS
Band7	20MHz	64QAM	20850	50RB#0	20.03	18.63	33	PASS
Band7	20MHz	64QAM	20850	50RB#25	20.02	18.62	33	PASS
Band7	20MHz	64QAM	20850	100RB#0	19.89	18.49	33	PASS
Band7	20MHz	64QAM	21100	1RB#0	20.88	19.48	33	PASS
Band7	20MHz	64QAM	21100	1RB#49	20.94	19.54	33	PASS
Band7	20MHz	64QAM	21100	1RB#99	20.96	19.56	33	PASS
Band7	20MHz	64QAM	21100	50RB#0	19.99	18.59	33	PASS
Band7	20MHz	64QAM	21100	50RB#25	20.14	18.74	33	PASS
Band7	20MHz	64QAM	21100	50RB#50	19.90	18.5	33	PASS
Band7	20MHz	64QAM	21100	100RB#0	19.88	18.48	33	PASS
Band7	20MHz	64QAM	21350	1RB#99	20.85	19.45	33	PASS
Band7	20MHz	64QAM	21350	1RB#0	20.98	19.58	33	PASS



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Band7	20MHz	64QAM	21350	1RB#49	21.02	19.62	33	PASS
Band7	20MHz	64QAM	21350	50RB#0	20.01	18.61	33	PASS
Band7	20MHz	64QAM	21350	50RB#50	20.01	18.61	33	PASS
Band7	20MHz	64QAM	21350	50RB#25	19.98	18.58	33	PASS
Band7	20MHz	64QAM	21350	100RB#0	19.97	18.57	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.10	20.7	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.06	20.66	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.13	20.73	33	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.11	19.71	33	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.20	19.8	33	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.21	19.81	33	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.04	19.64	33	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.05	20.65	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.13	20.73	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.14	20.74	33	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.15	19.75	33	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.22	19.82	33	PASS
Band7	20MHz	16QAM	21100	50RB#50	21.01	19.61	33	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.03	18.63	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.03	20.63	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.10	20.7	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.11	20.71	33	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.12	19.72	33	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.14	19.74	33	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.10	19.7	33	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.05	19.65	33	PASS

Remark:

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

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

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



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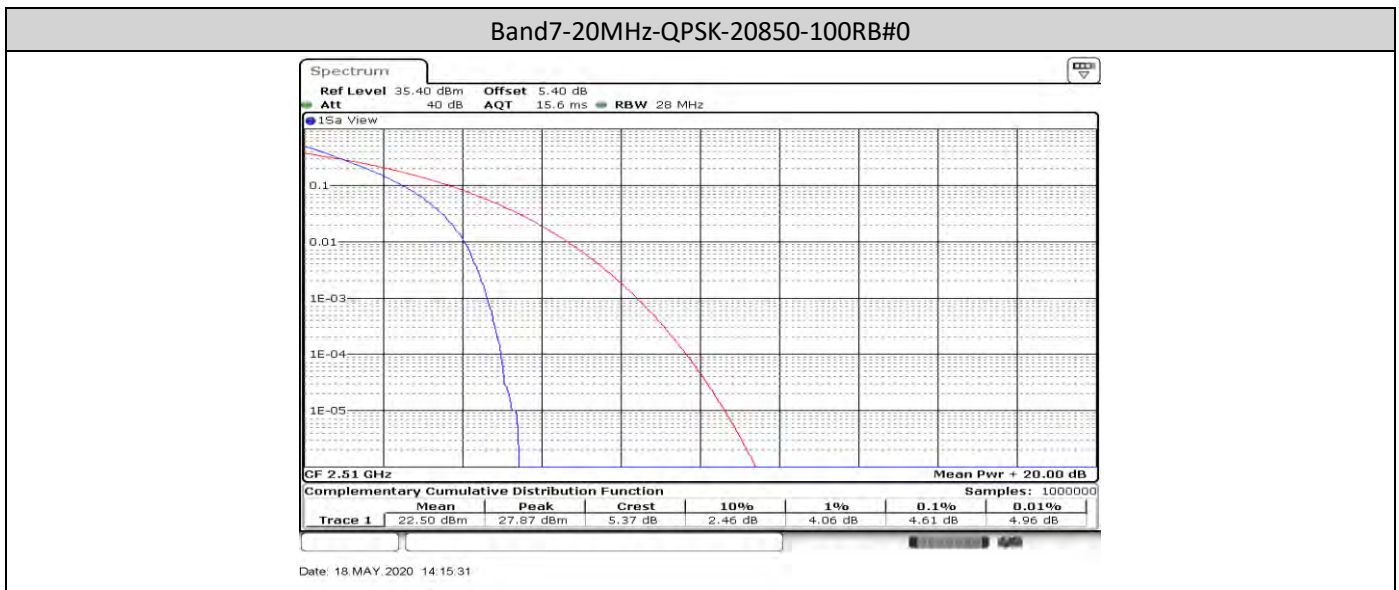


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	4.61	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.52	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.55	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.35	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.29	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.14	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.51	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.45	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.45	13	PASS

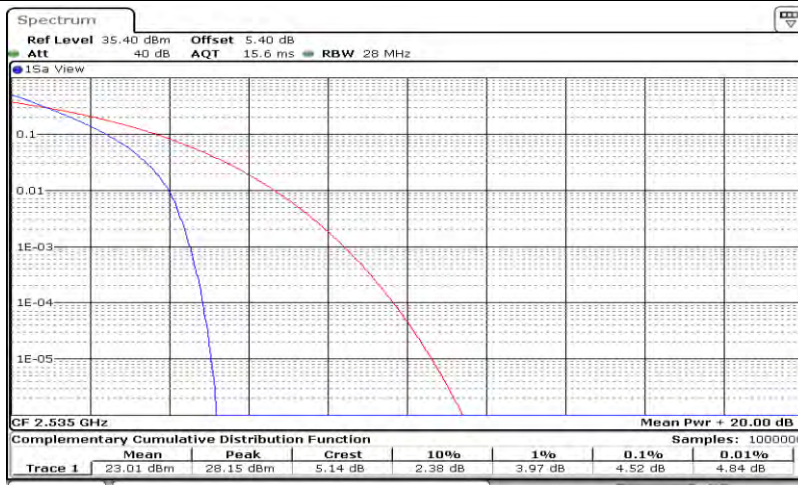
2.2. Test Plots



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



Date: 18 MAY 2020 14:15:54

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



Date: 18 MAY 2020 14:16:17



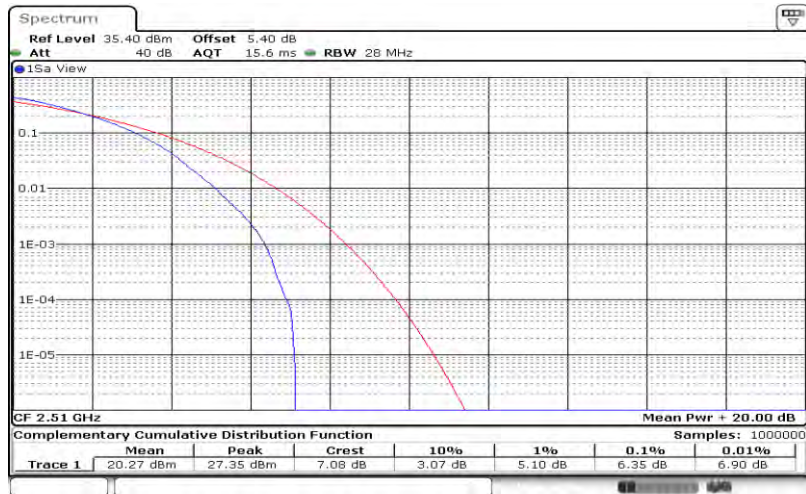
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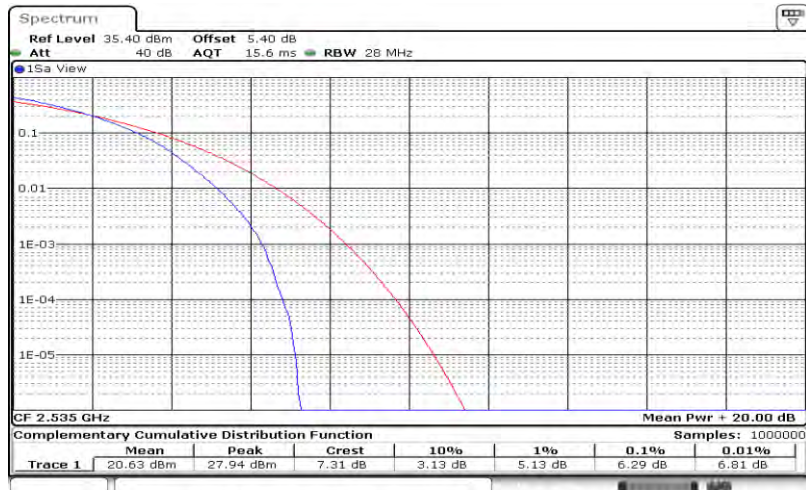
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Band7-20MHz-64QAM-20850-100RB#0



Date: 22.MAY 2020 10:57:45

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



Date: 22.MAY 2020 10:57:56



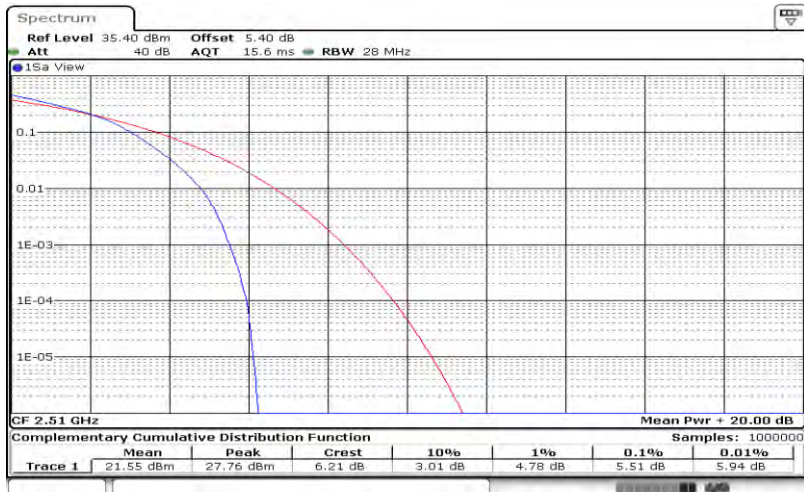
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Band7-20MHz-64QAM-21350-100RB#0



Date: 22.MAY.2020 10:58:08

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



Date: 18.MAY.2020 14:15:43

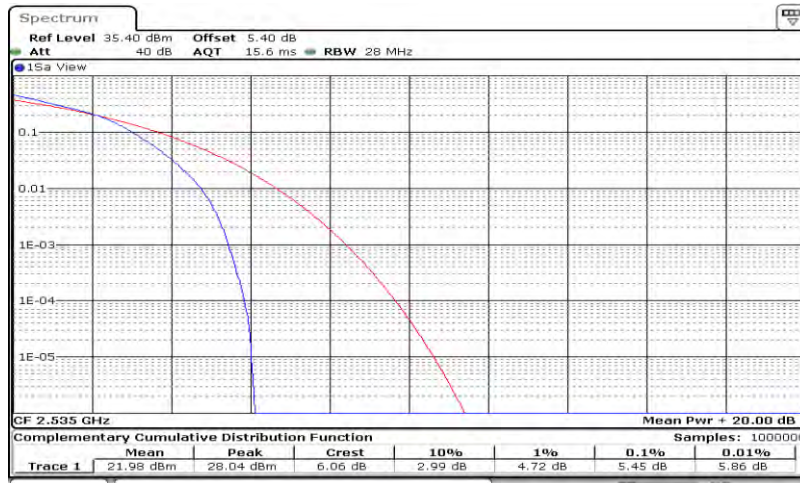


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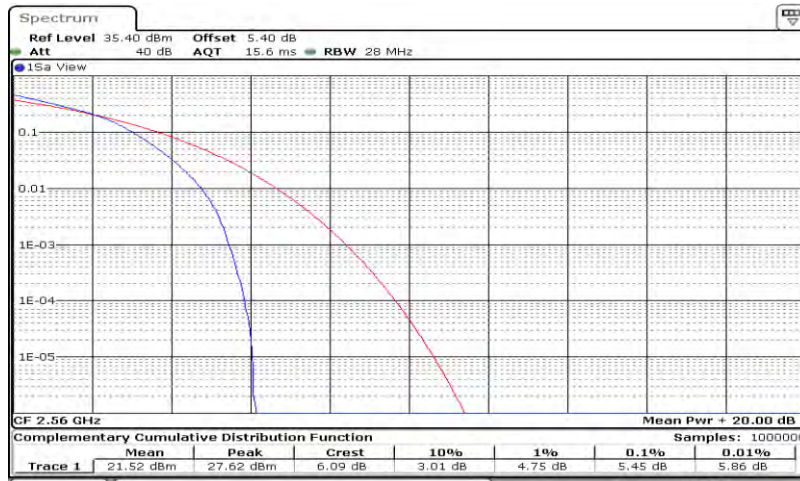


Band7-20MHz-16QAM-21100-100RB#0



Date: 18 MAY 2020 14:16:05

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



Date: 18 MAY 2020 14:16:28



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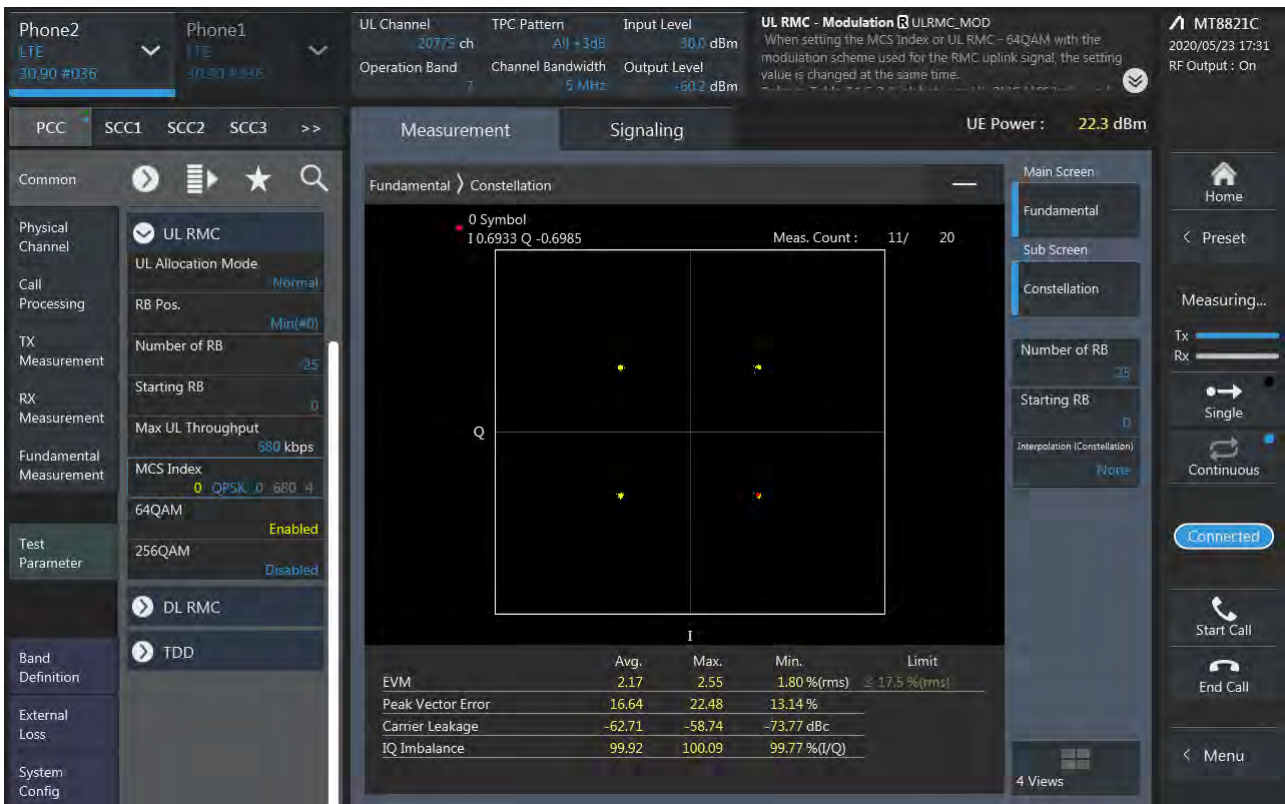


3. Modulation Characteristics

3.1. Test Band = LTE Band 7

3.1.1. Test Mode = LTE /TM1 20MHz

3.1.1.1. Test Channel = MCH



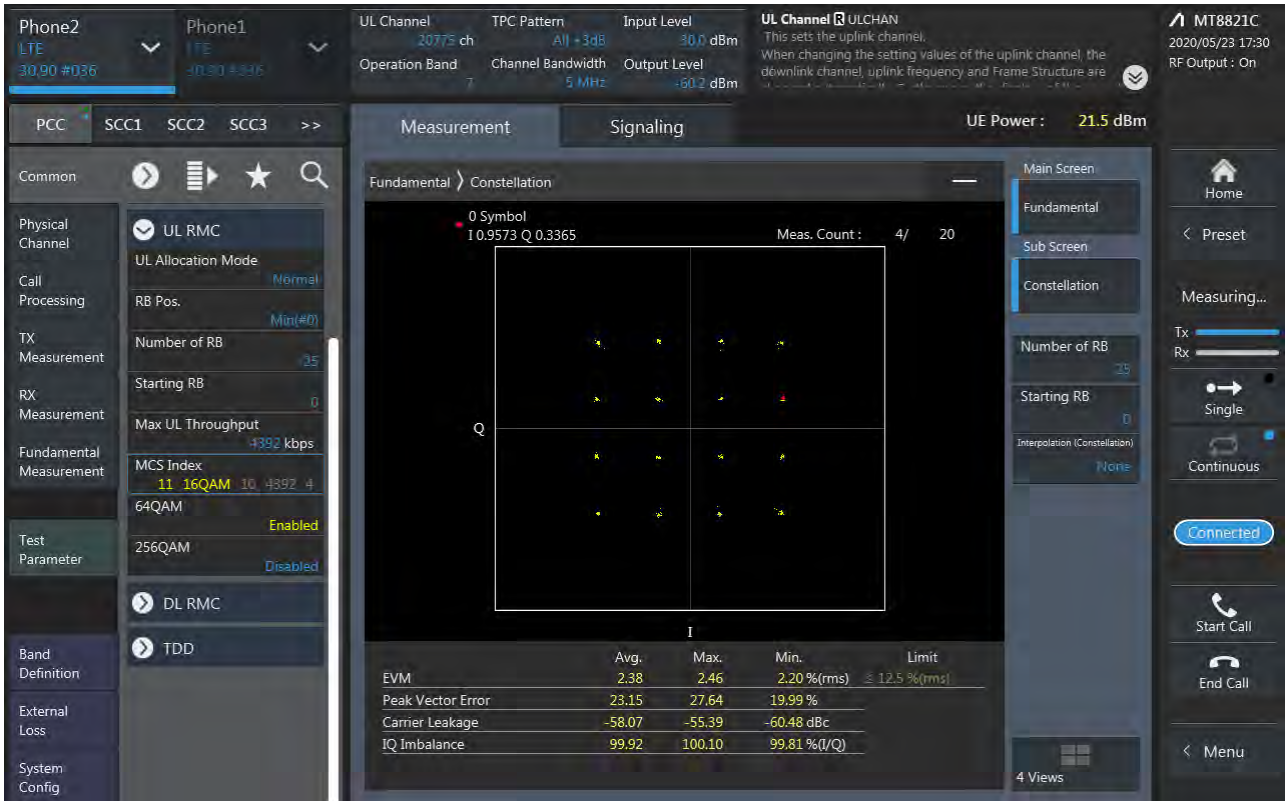
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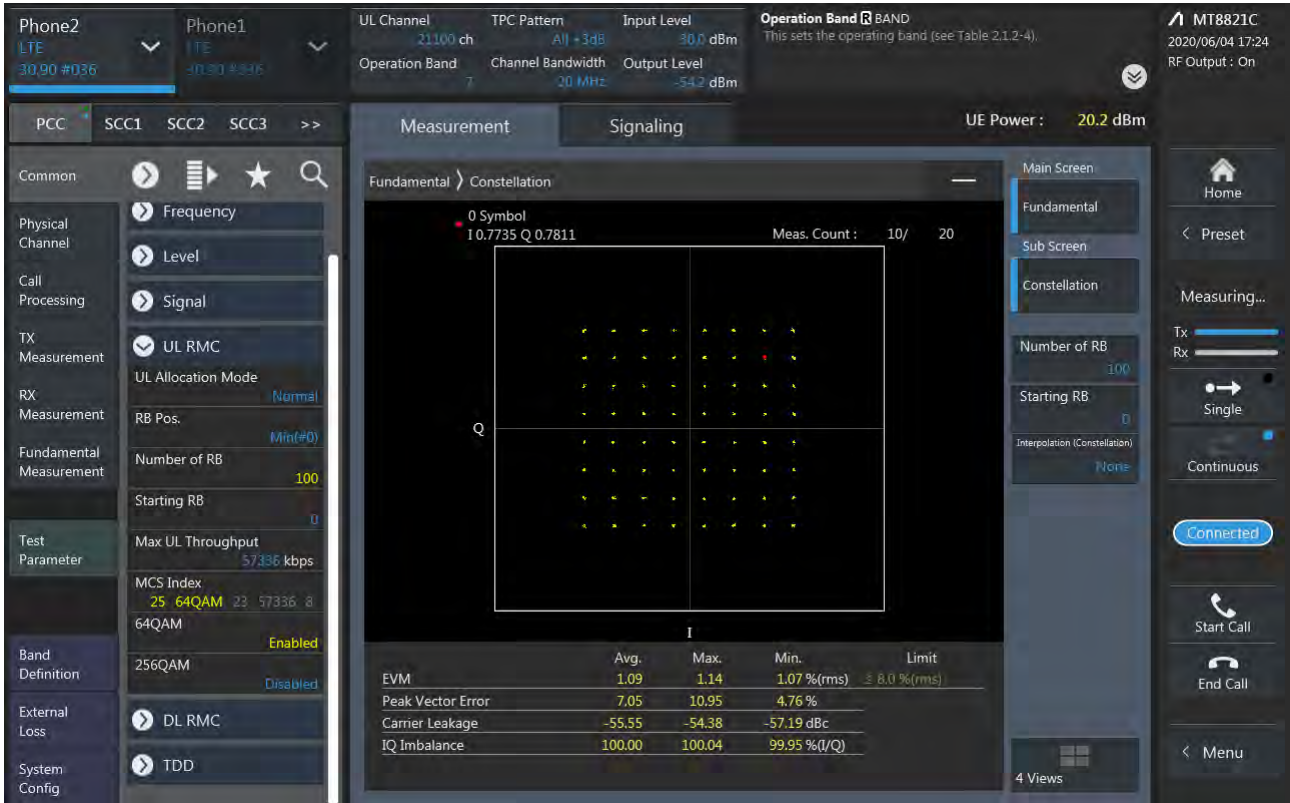
3.1.2. Test Mode = LTE /TM2 20MHz

3.1.2.1. Test Channel = MCH



3.1.3. Test Mode = LTE /TM3 20MHz

3.1.3.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.466	4.910	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.930	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.476	4.930	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.466	4.910	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.466	4.900	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.476	4.900	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.486	4.940	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.476	4.940	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.486	4.950	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.931	9.740	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.931	9.680	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.911	9.680	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.931	9.740	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	9.740	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.911	9.800	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.911	9.760	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.457	14.820	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.427	14.730	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.427	14.790	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.427	14.880	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.457	14.850	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.427	14.790	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.457	14.760	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.457	14.730	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.427	14.820	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.862	19.520	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.862	19.600	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.902	19.480	PASS



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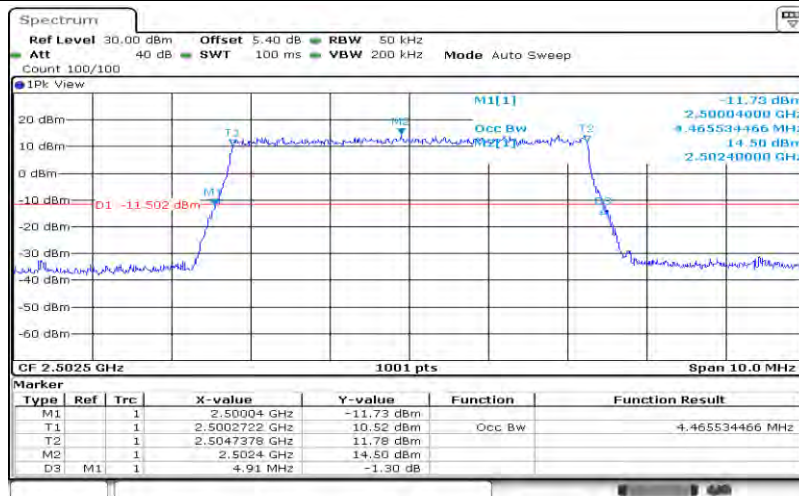
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Band7	20MHz	64QAM	20850	100RB#0	17.862	19.440	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.902	19.480	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.902	19.520	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.862	19.160	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.902	19.560	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.902	19.440	PASS

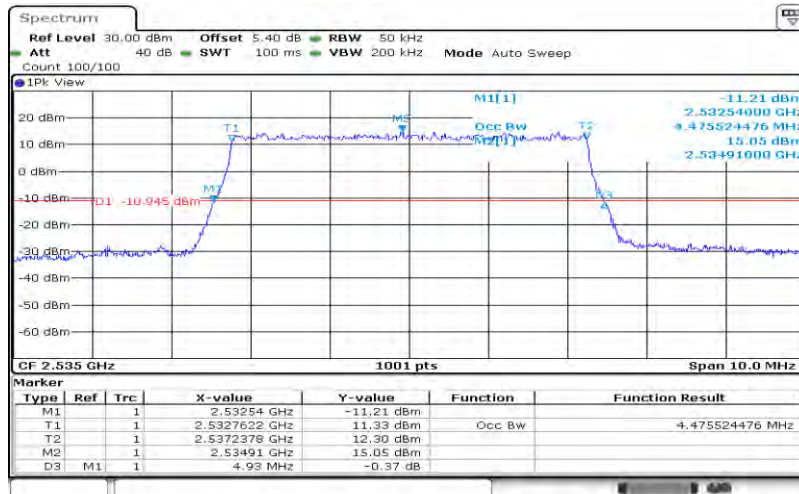
4.2. Test Plots

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



Date: 18 MAY 2020 13:53:43

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

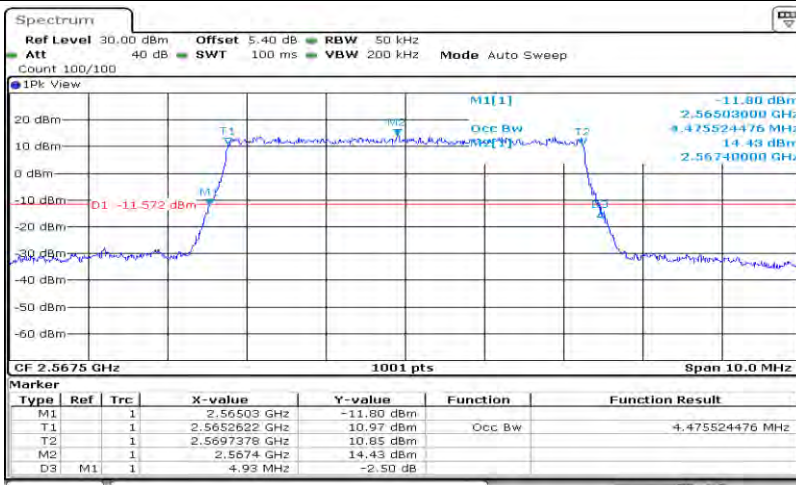


Date: 18 MAY 2020 13:54:23



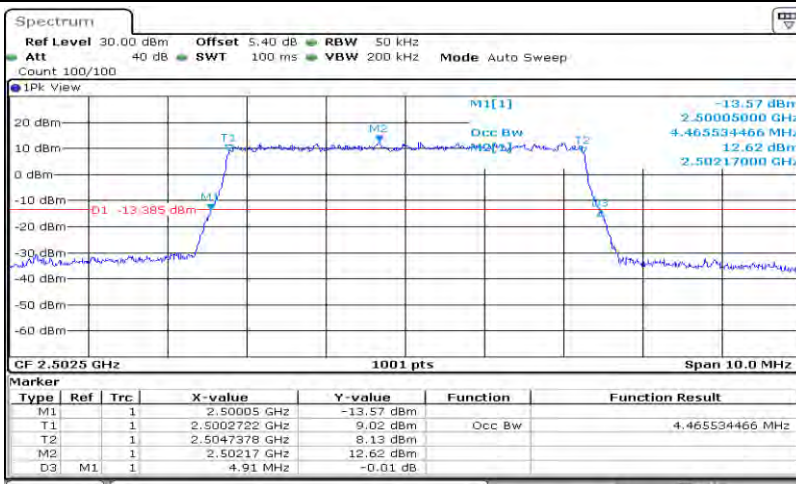
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Band7-5MHz-QPSK-21425-25RB#0-4.476



Date: 18 MAY 2020 13:55:03

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



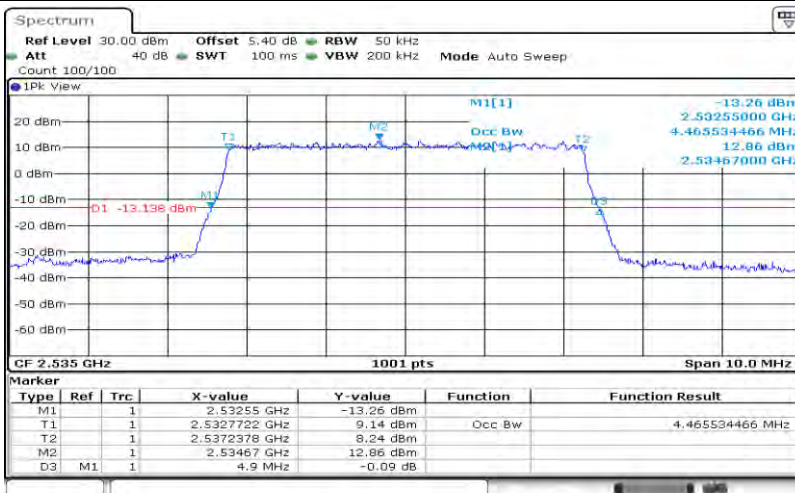
Date: 22 MAY 2020 10:46:04



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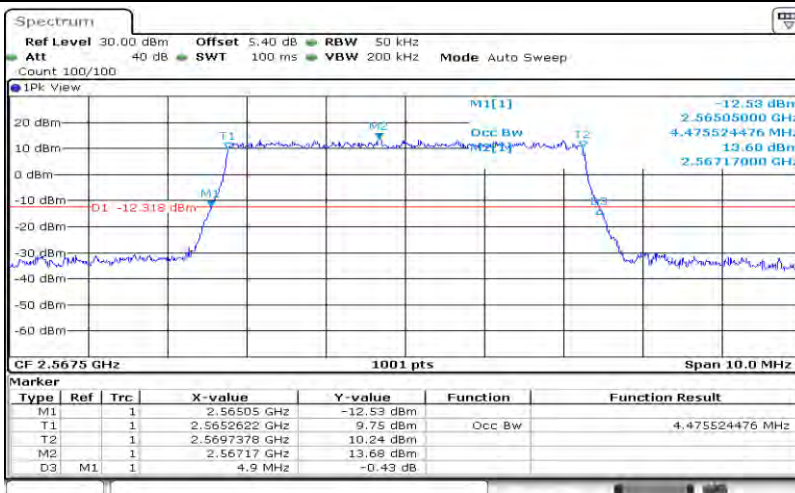


Band7-5MHz-64QAM-21100-25RB#0-4.466



Date: 22.MAY 2020 10:46:24

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



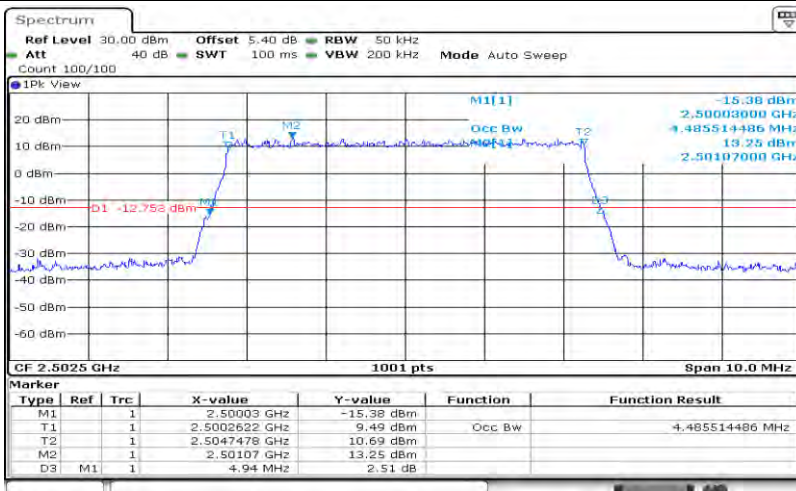
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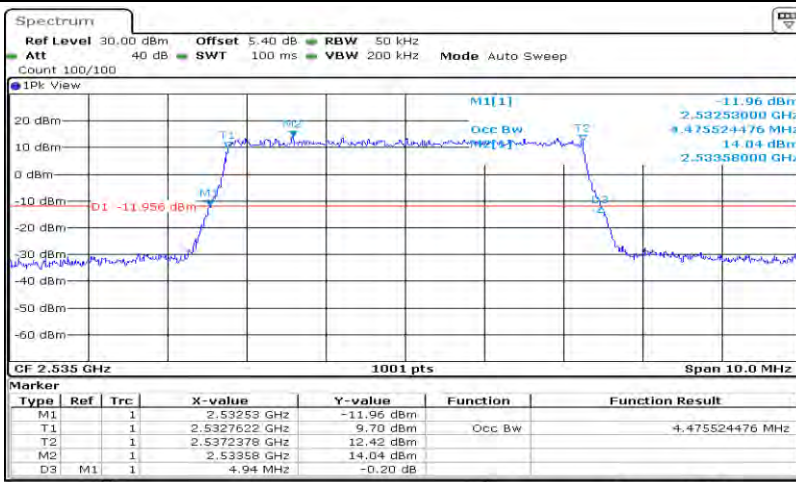


Band7-5MHz-16QAM-20775-25RB#0-4.486



Date: 18 MAY 2020 13:54:03

Band7-5MHz-16QAM-21100-25RB#0-4.476

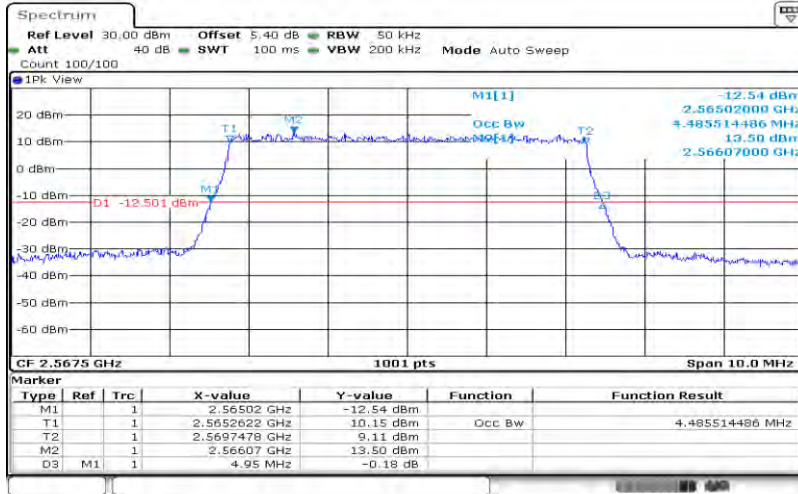


Date: 18 MAY 2020 13:54:43



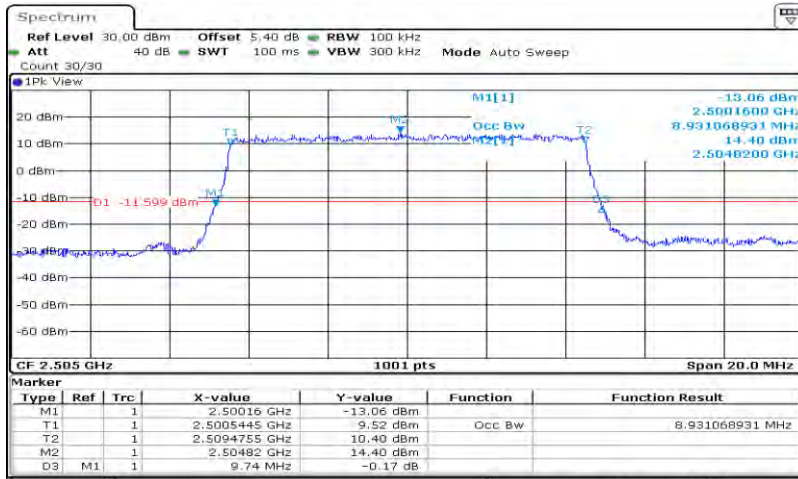
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Band7-5MHz-16QAM-21425-25RB#0-4.486



Date: 18.MAY 2020 13:55:22

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

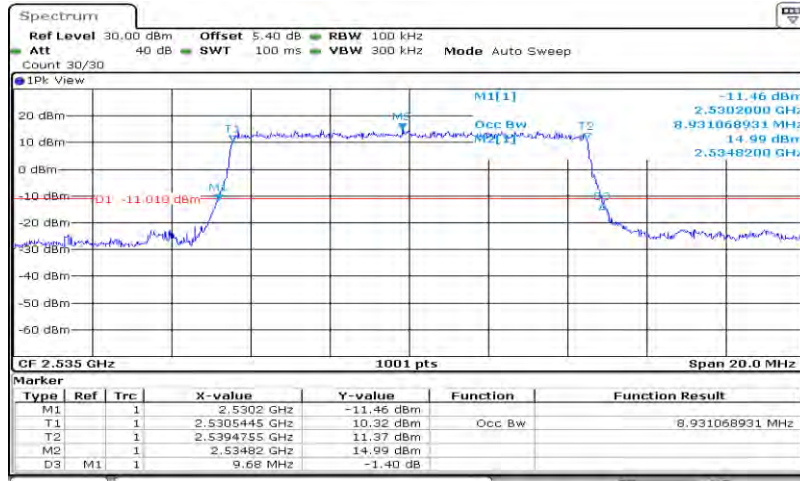


Date: 18.MAY 2020 13:55:40



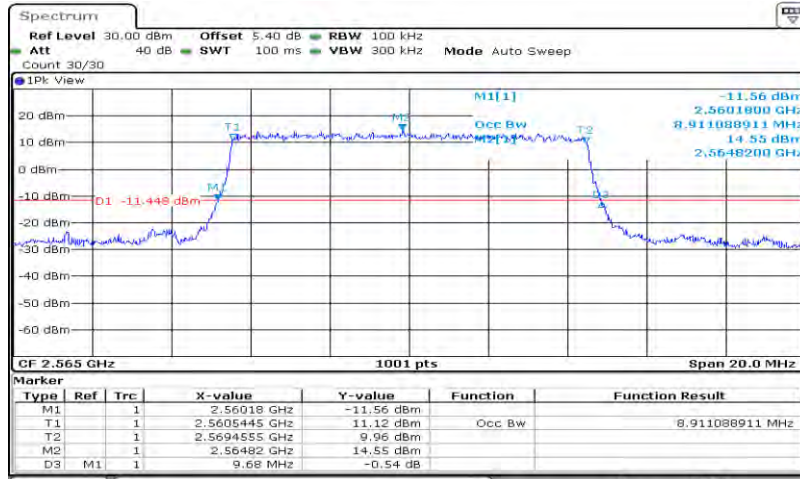
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Band7-10MHz-QPSK-21100-50RB#0-8.931



Date: 18 MAY 2020 13:56:05

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



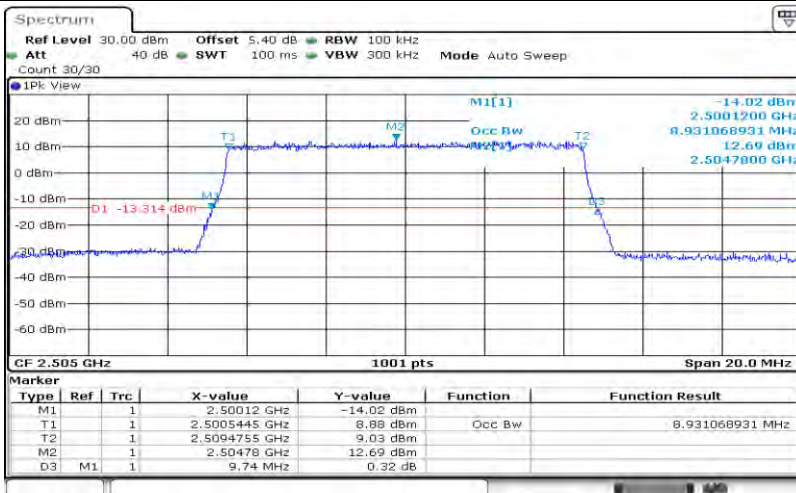
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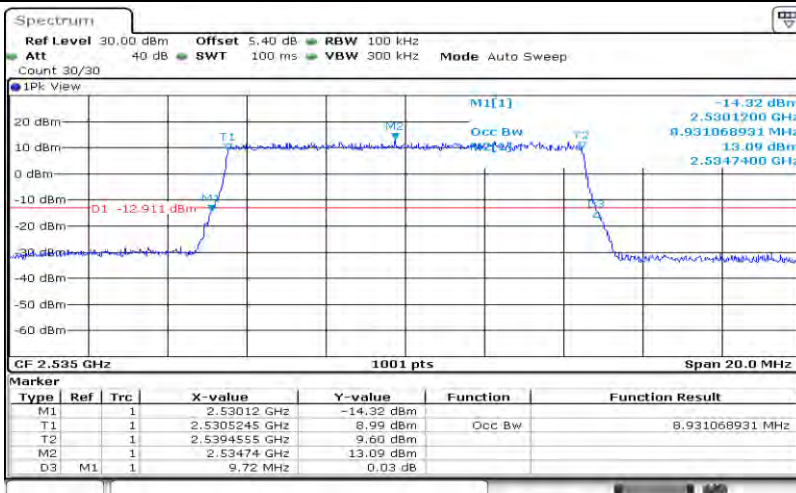


Band7-10MHz-64QAM-20800-50RB#0-8.931



Date: 22.MAY.2020 10:47:02

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



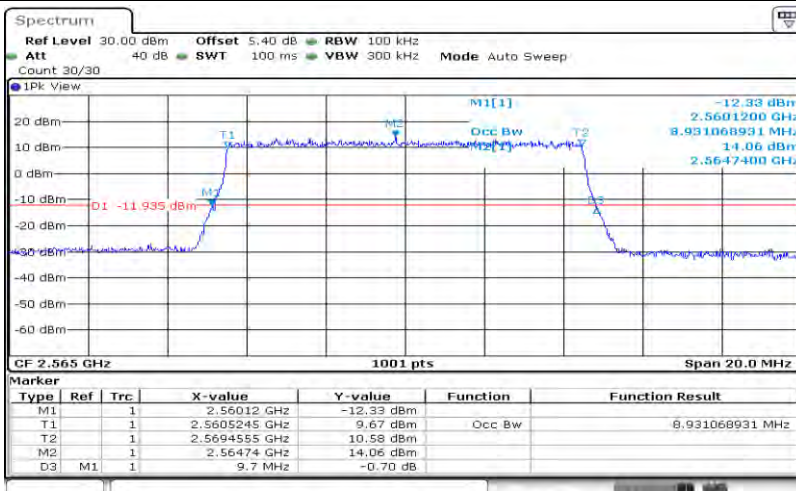
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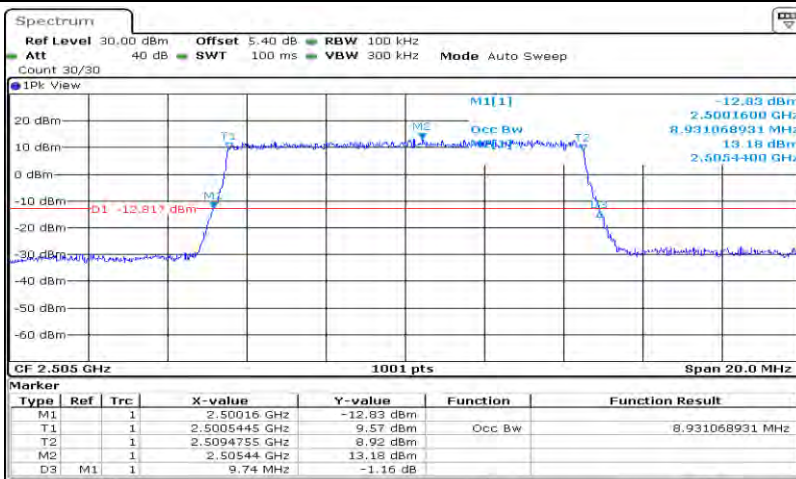


Band7-10MHz-64QAM-21400-50RB#0-8.931



Date: 22.MAY.2020 10:47:28

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



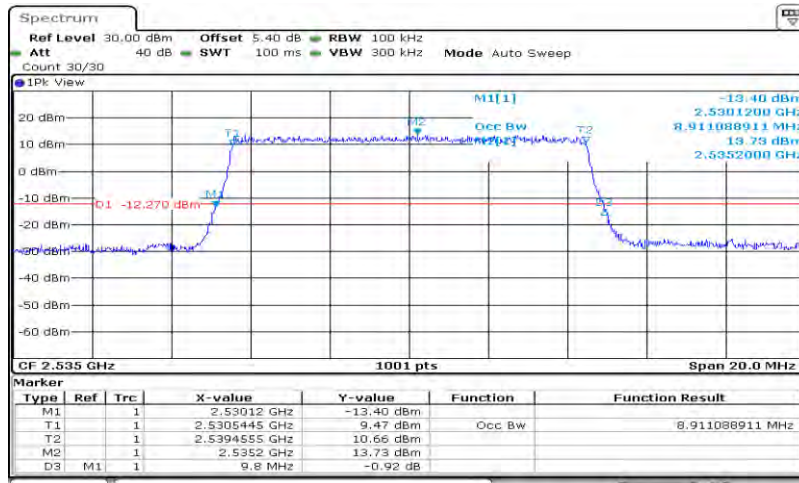
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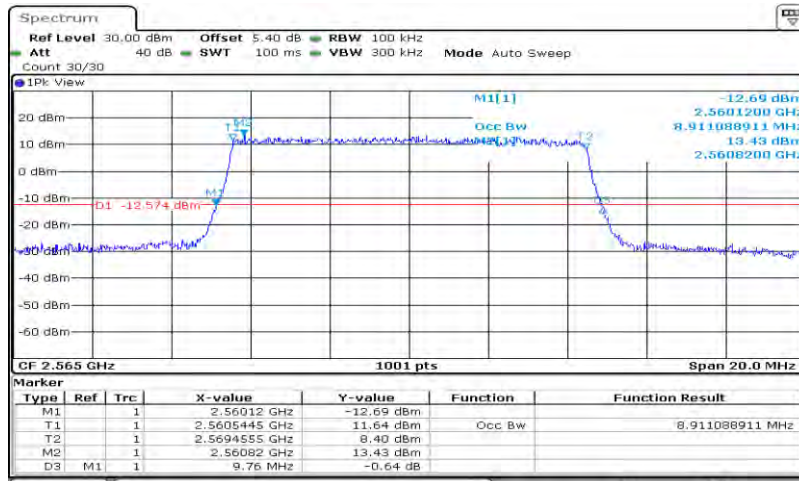


Band7-10MHz-16QAM-21100-50RB#0-8.911



Date: 18 MAY 2020 13:56:18

Band7-10MHz-16QAM-21400-50RB#0-8.911



Date: 18 MAY 2020 13:56:44



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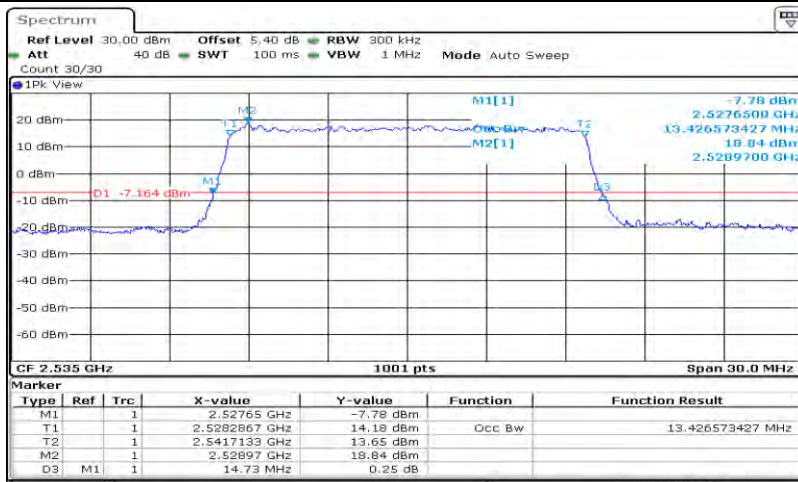


Band7-15MHz-QPSK-20825-75RB#0-13.457



Date: 18.MAY 2020 13:57:01

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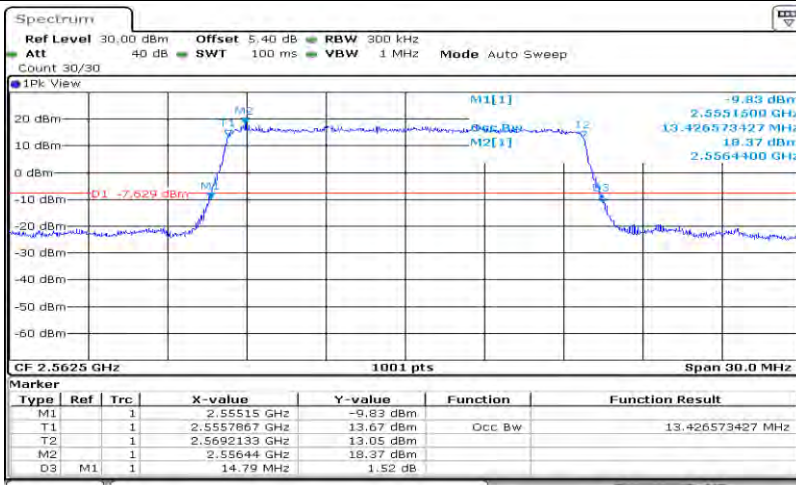


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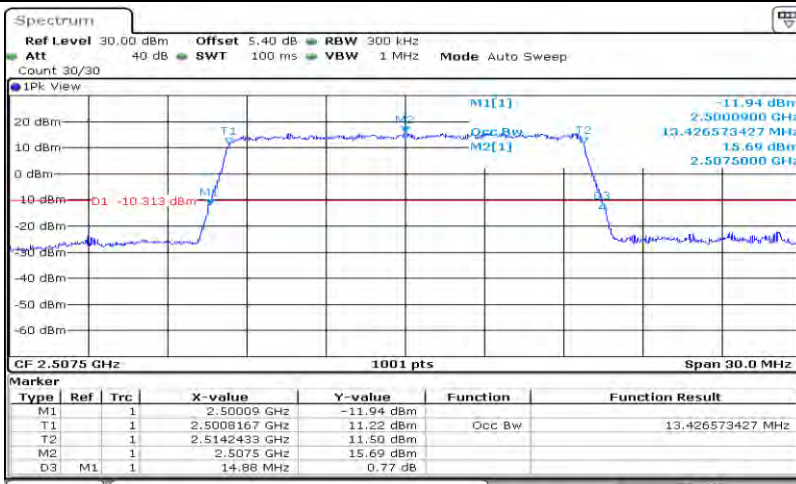
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Band7-15MHz-QPSK-21375-75RB#0-13.427



Date: 18.MAY.2020 13:57:52

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



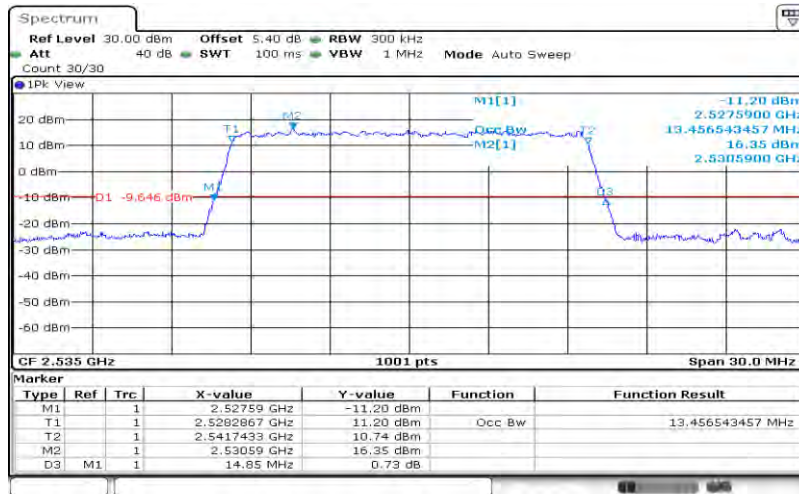
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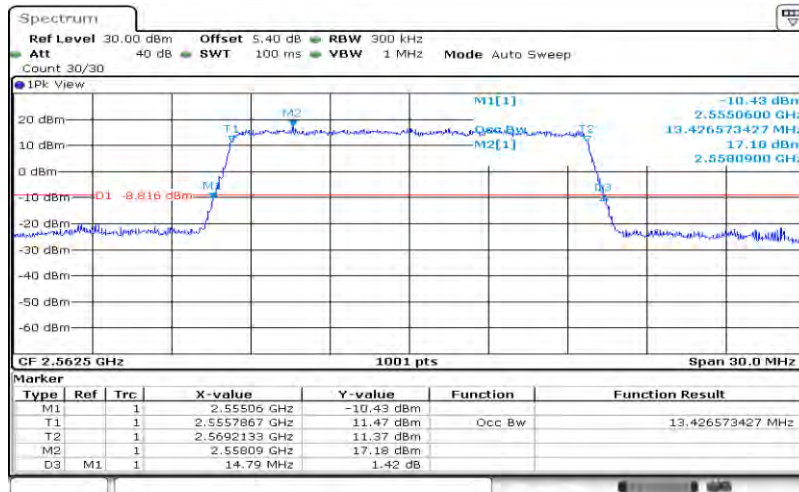


Band7-15MHz-64QAM-21100-75RB#0-13.457



Date: 22.MAY 2020 10:47:59

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



Date: 22.MAY 2020 10:48:12



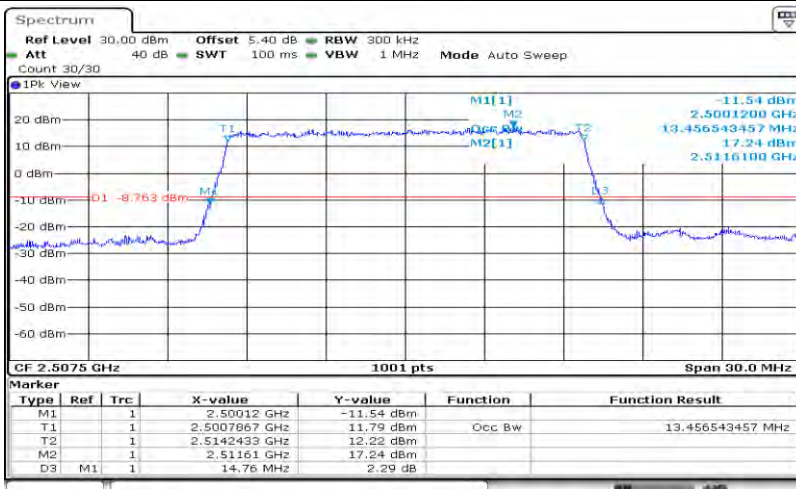
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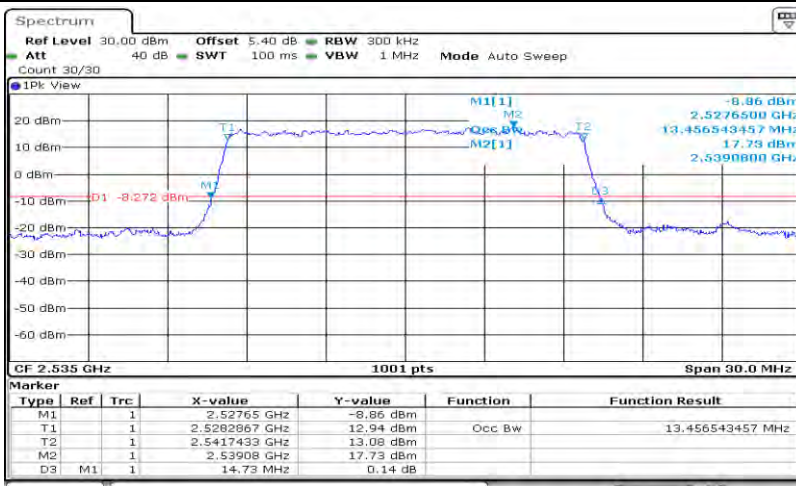


Band7-15MHz-16QAM-20825-75RB#0-13.457



Date: 18 MAY 2020 13:57:14

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



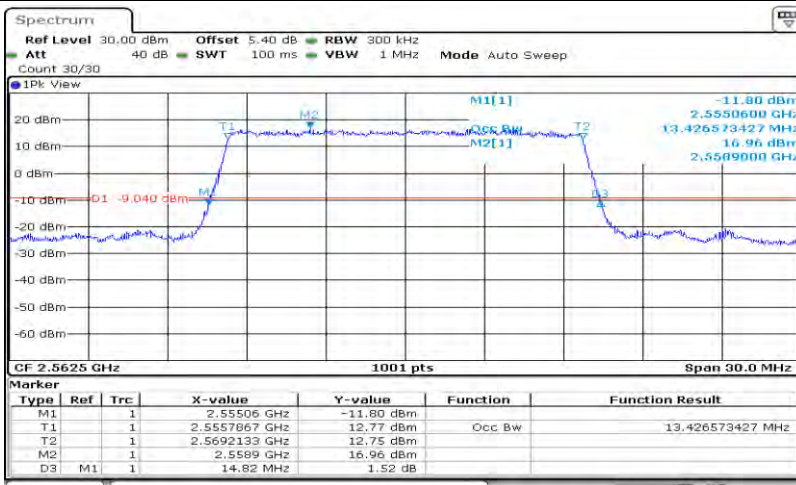
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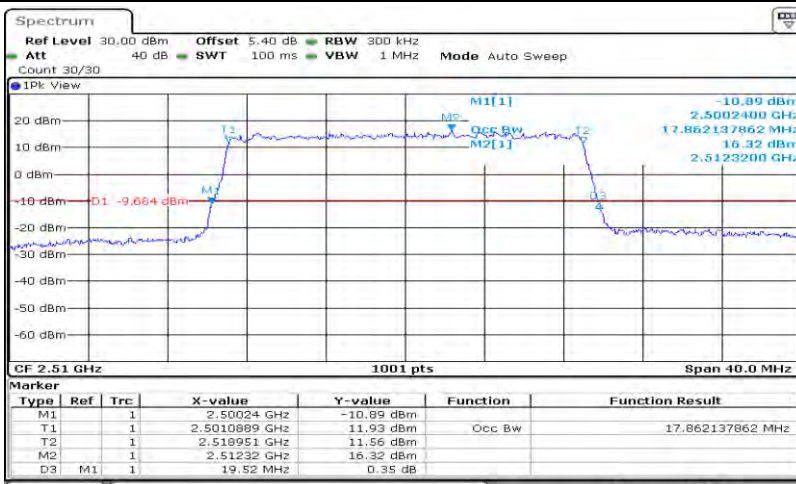


Band7-15MHz-16QAM-21375-75RB#0-13.427



Date: 18 MAY 2020 13:58:05

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



Date: 18 MAY 2020 13:58:23



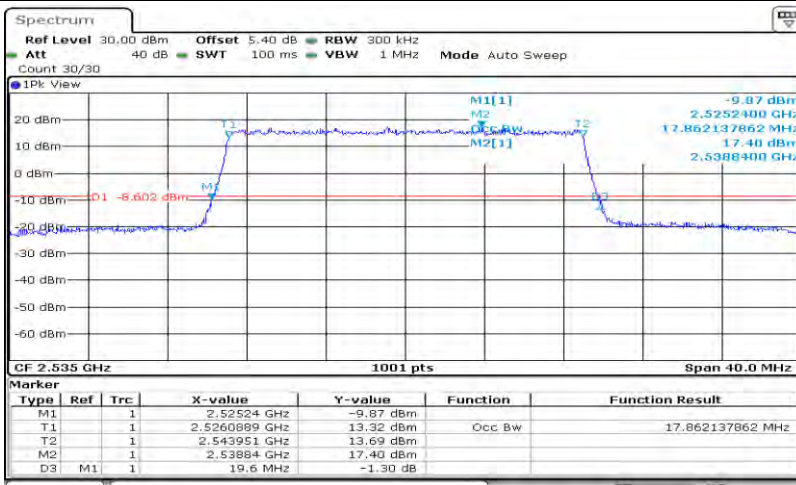
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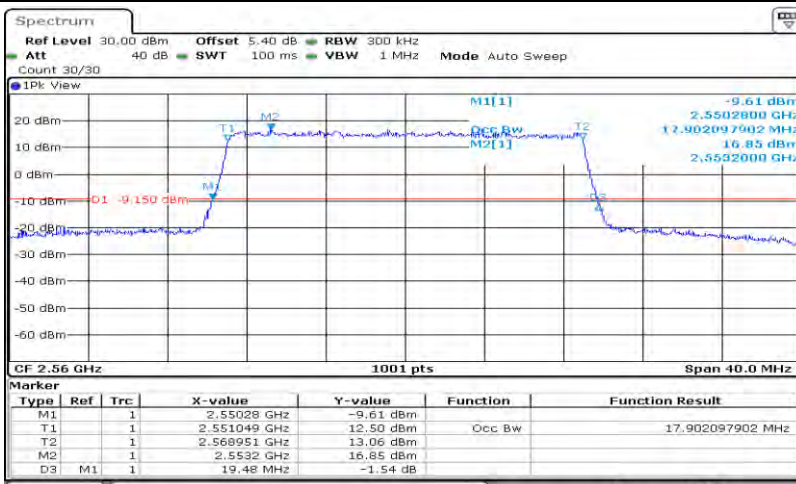


Band7-20MHz-QPSK-21100-100RB#0-17.862



Date: 18 MAY 2020 13:58:48

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

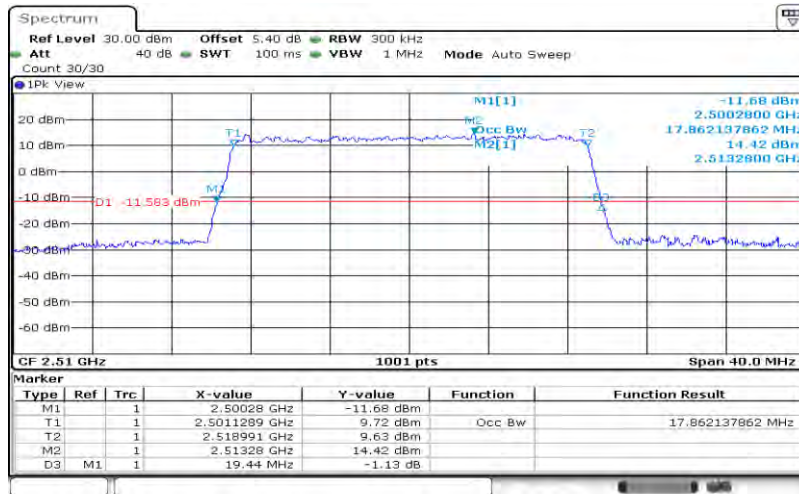


Date: 18 MAY 2020 13:59:14



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



Date: 22.MAY 2020 10:48:30

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



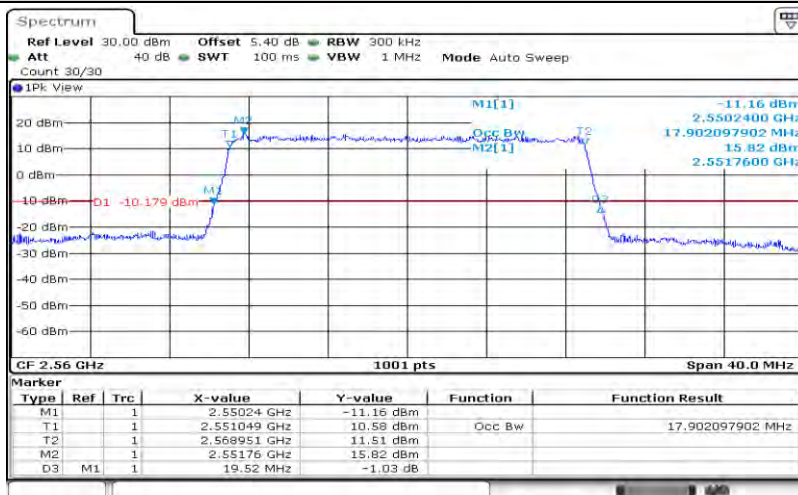
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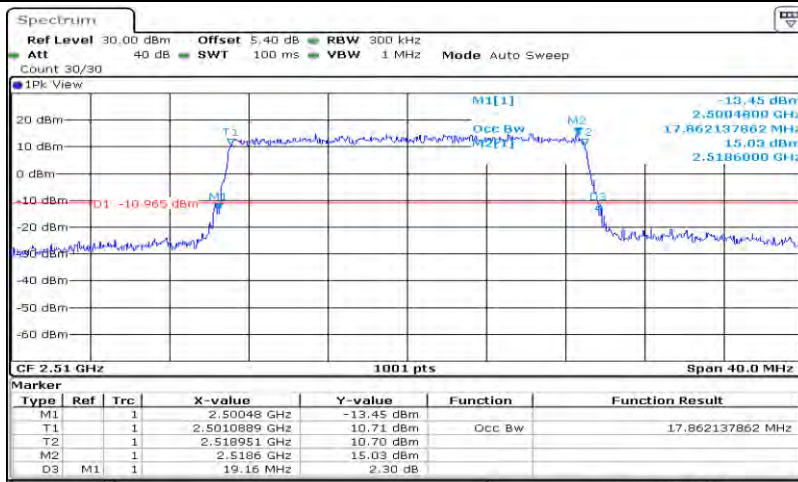


Band7-20MHz-64QAM-21350-100RB#0-17.902



Date: 22.MAY.2020 10:48:56

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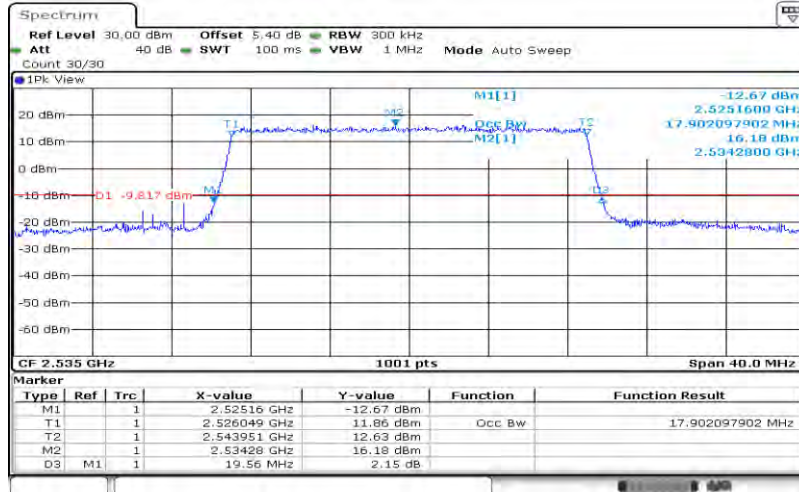


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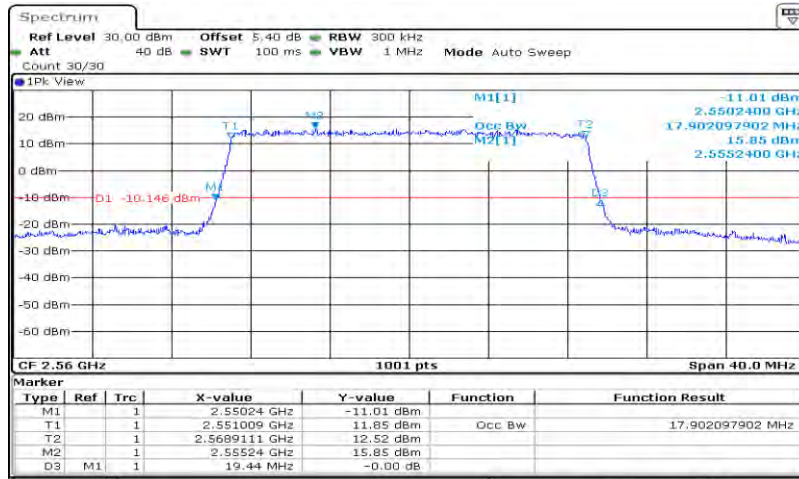
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Band7-20MHz-16QAM-21100-100RB#0-17.902



Date: 18.MAY 2020 13:59:01

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



Date: 18.MAY 2020 13:59:27

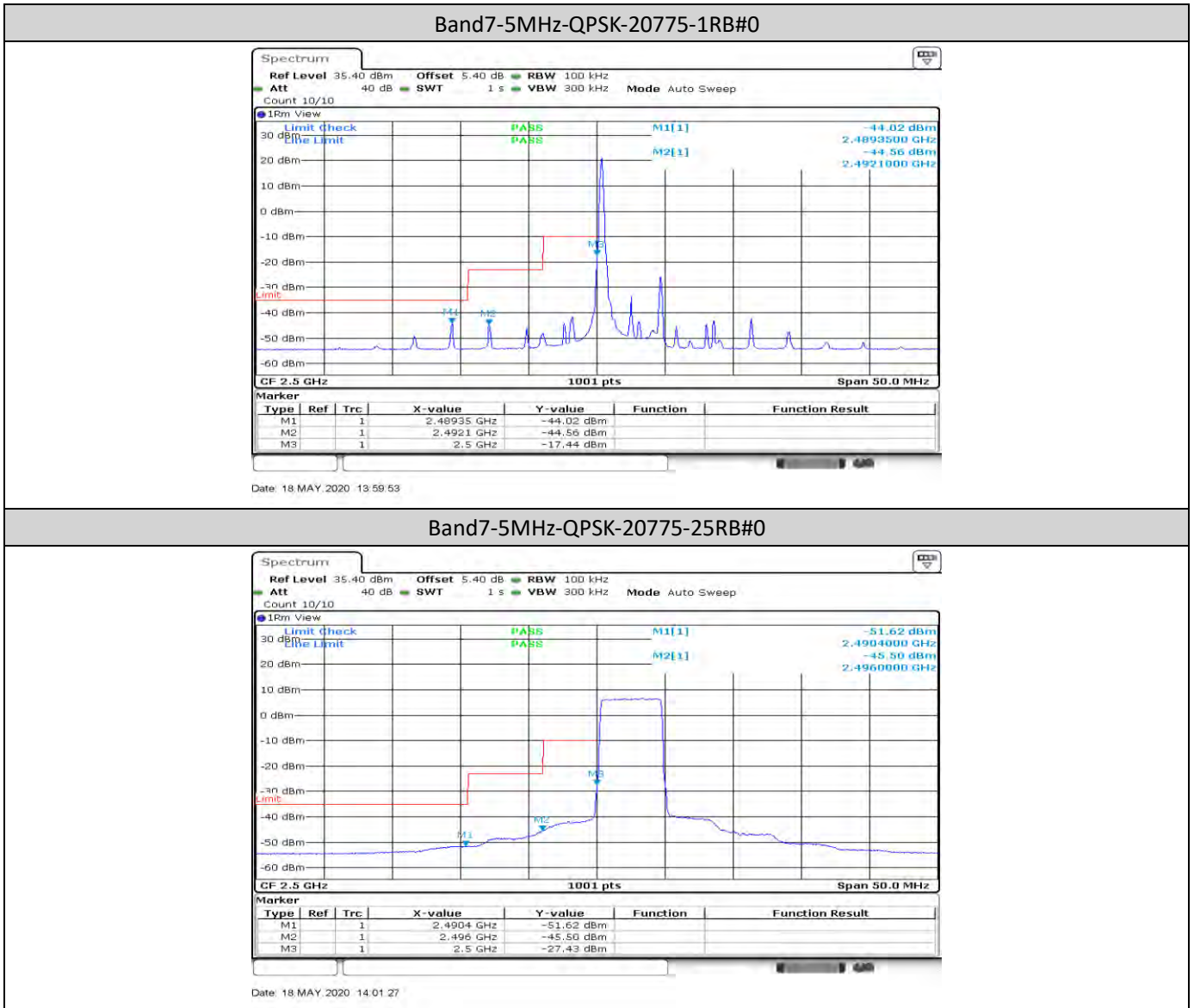


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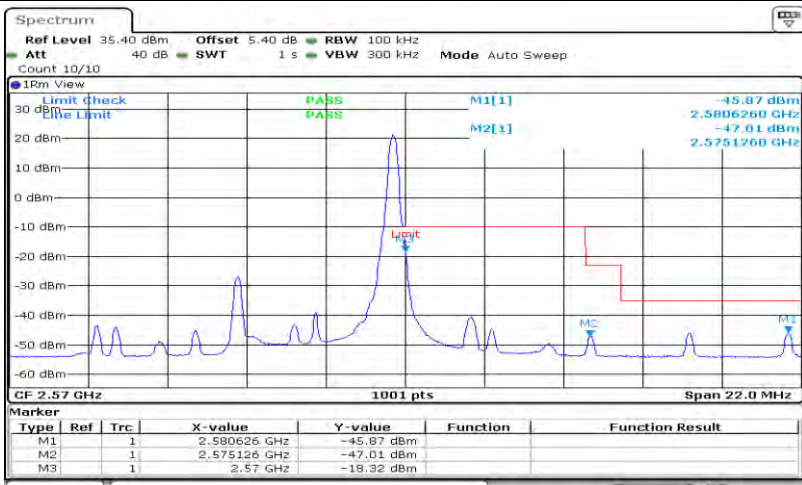


5. Band Edge Compliance

5.1. Test Plots

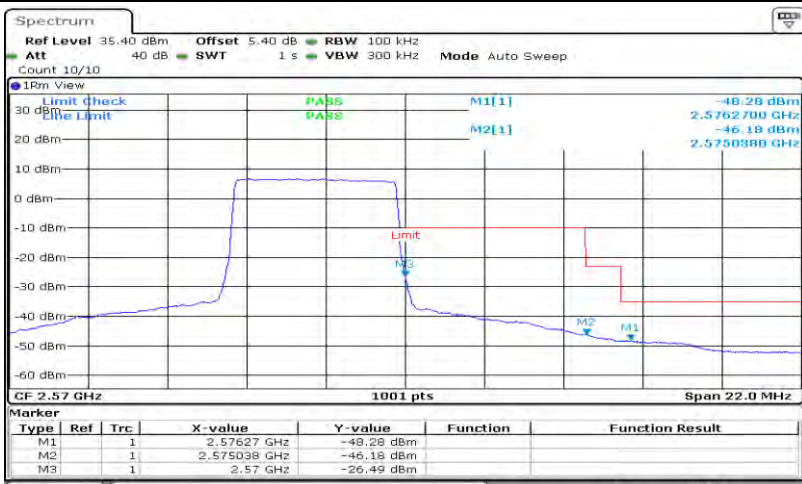


Band7-5MHz-QPSK-21425-1RB#24



Date: 18 MAY 2020 14:00:40

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



Date: 18 MAY 2020 14:02:09



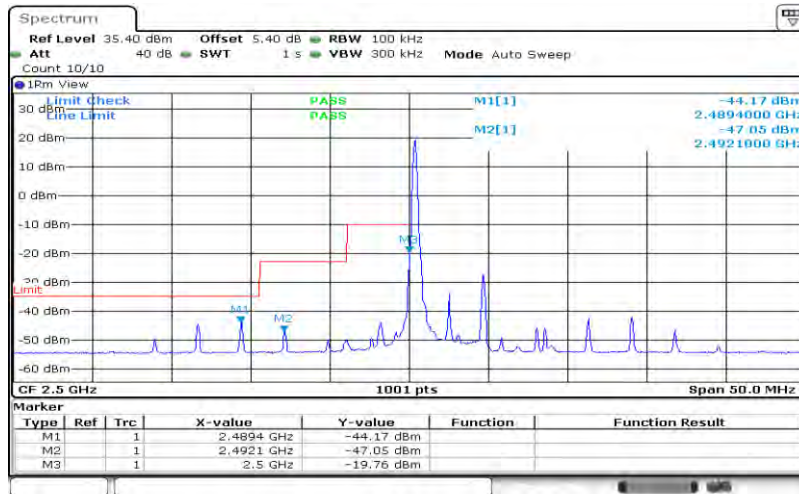
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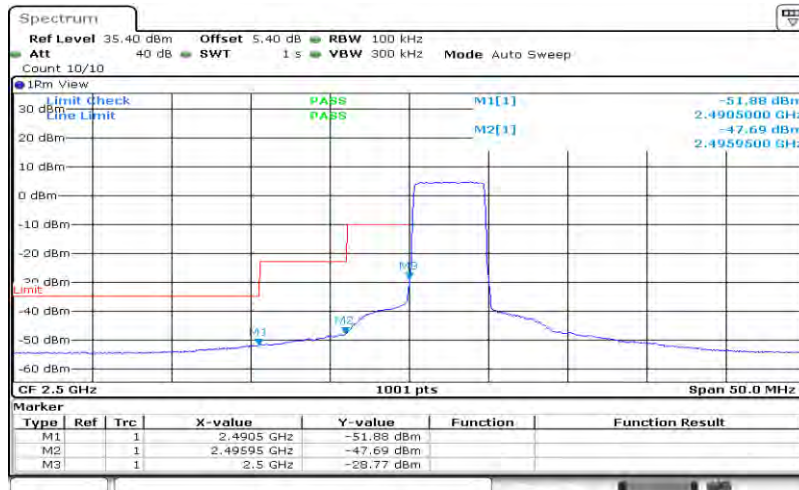
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Band7-5MHz-64QAM-20775-1RB#0



Date: 22.MAY 2020 10:49:23

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



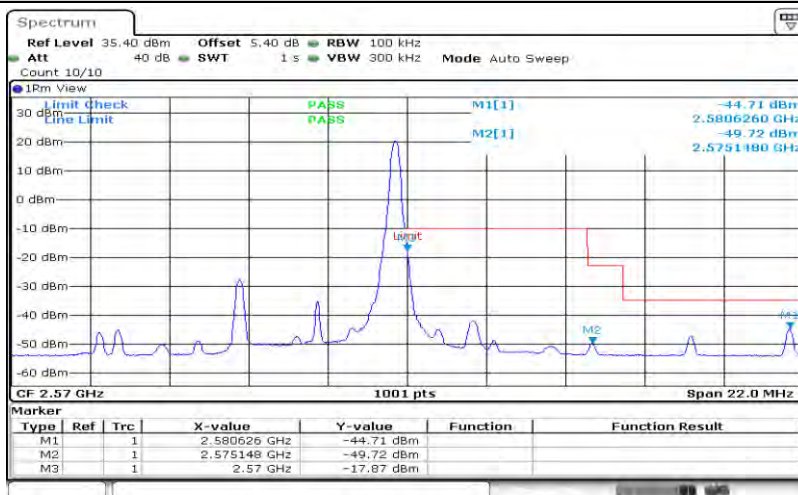
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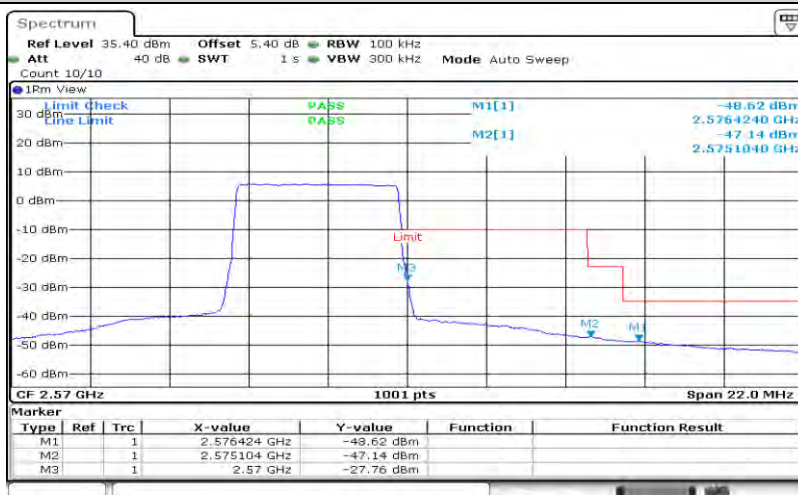


Band7-5MHz-64QAM-21425-1RB#24



Date: 22.MAY 2020 10:49:49

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

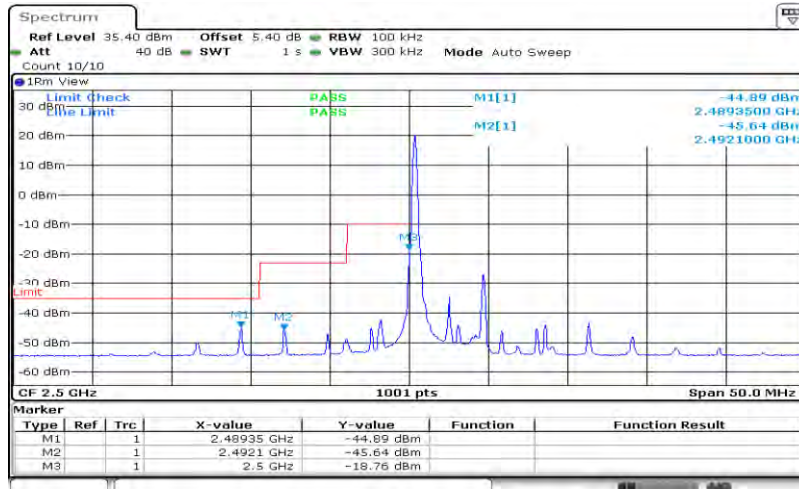


Date: 22.MAY 2020 10:50:36



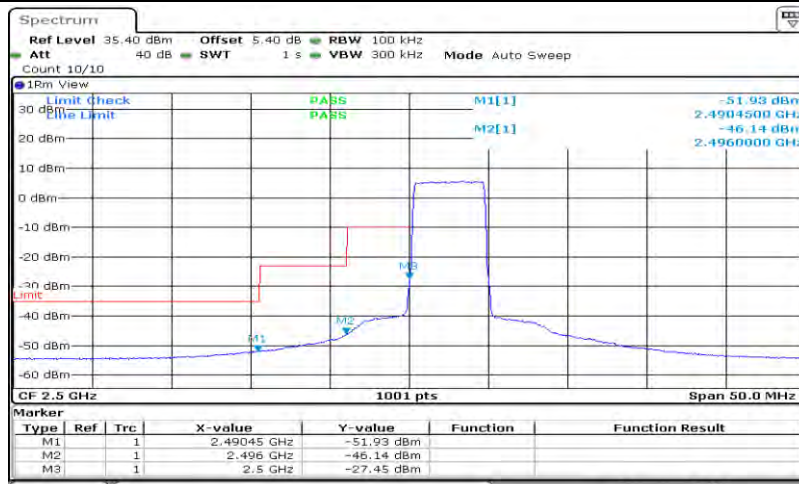
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Band7-5MHz-16QAM-20775-1RB#0



Date: 18.MAY 2020 14:00:14

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



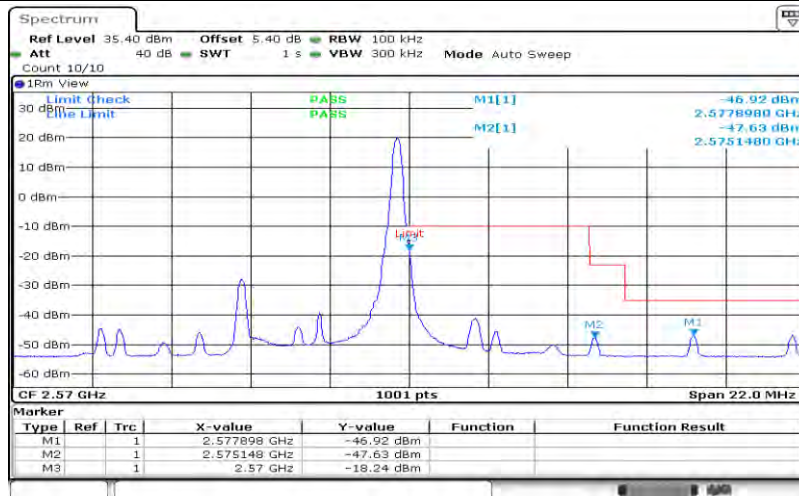
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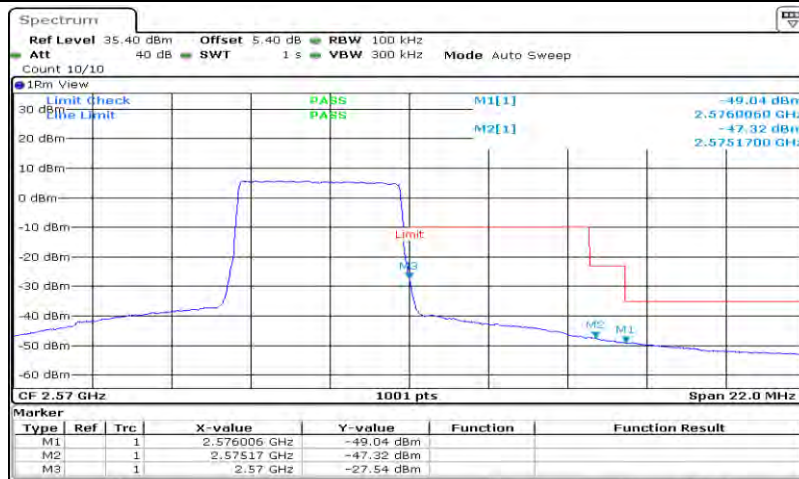


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Date: 18.MAY.2020 14:01:01

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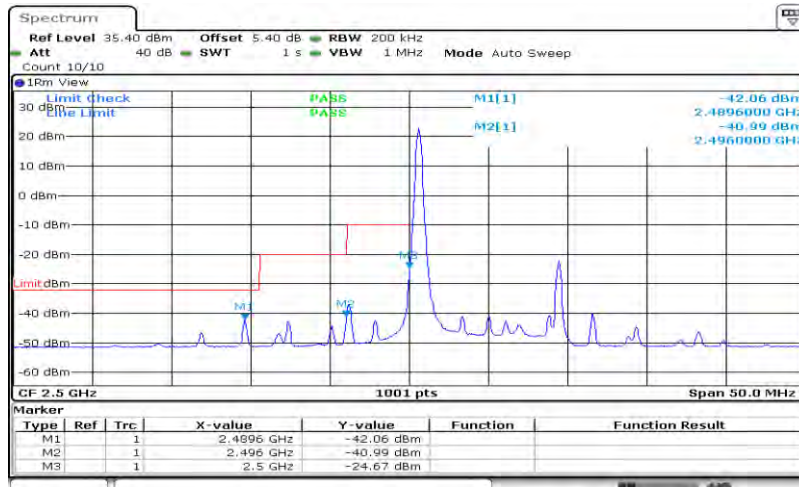


Date: 18.MAY.2020 14:02:31



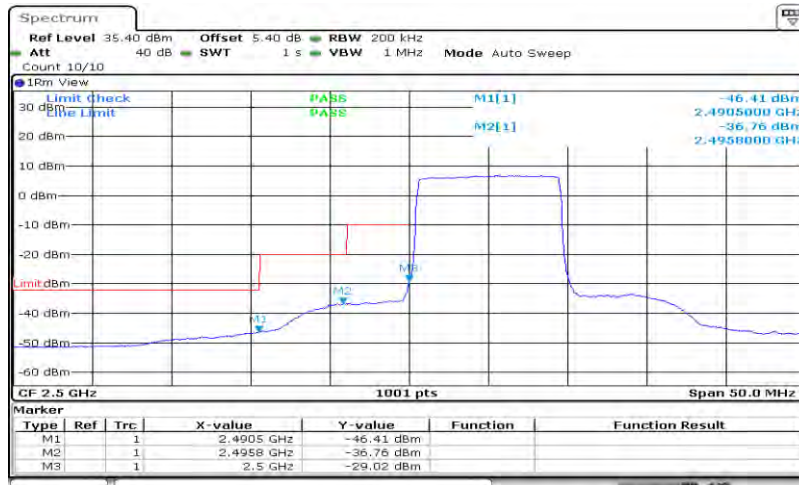
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Band7-10MHz-QPSK-20800-1RB#0



Date: 18 MAY 2020 14:02:57

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

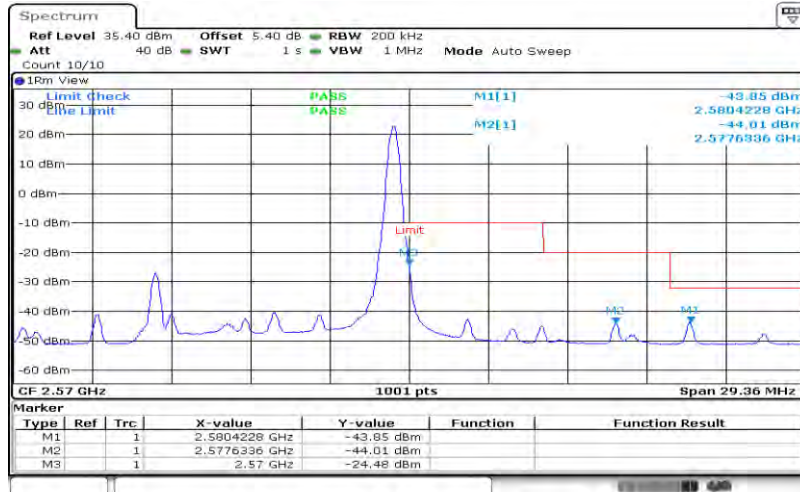


Date: 18 MAY 2020 14:04:30



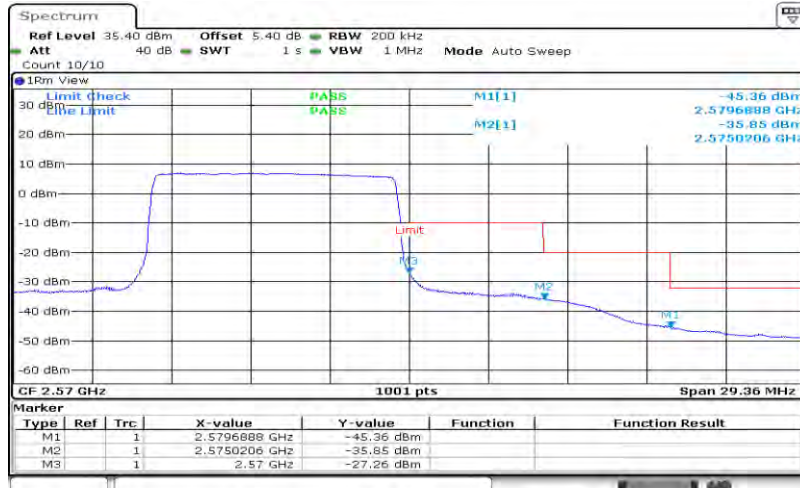
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Band7-10MHz-QPSK-21400-1RB#49



Date: 18 MAY 2020 14:03:43

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



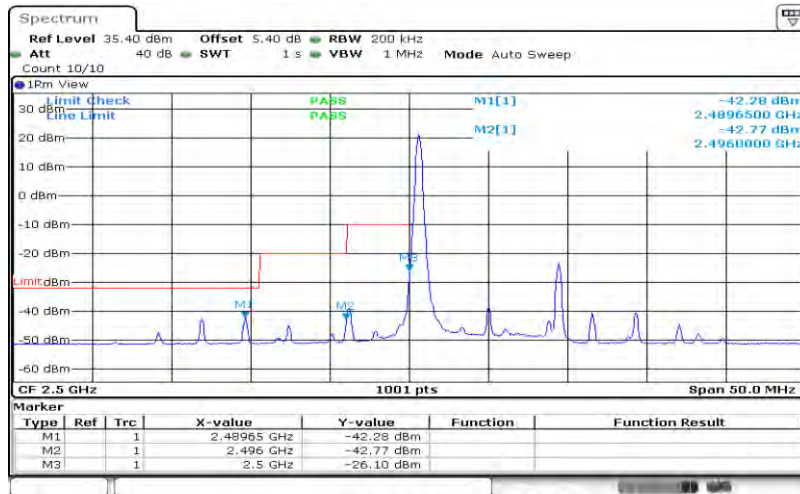
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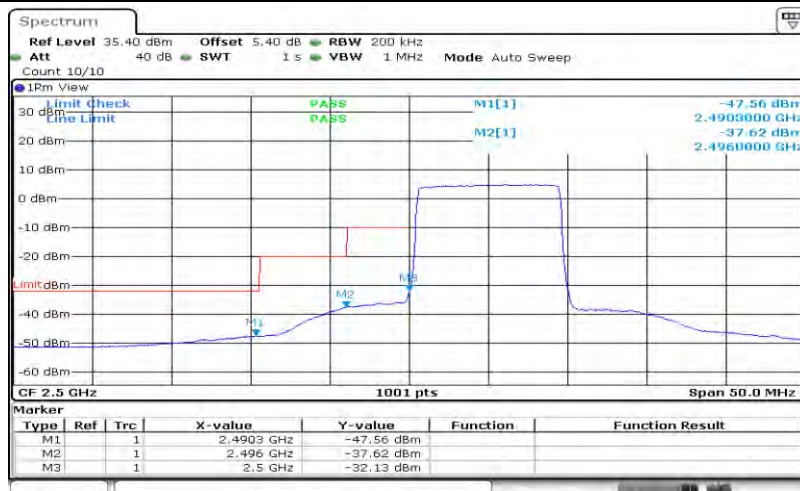


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Date: 22.MAY.2020 10:51:03

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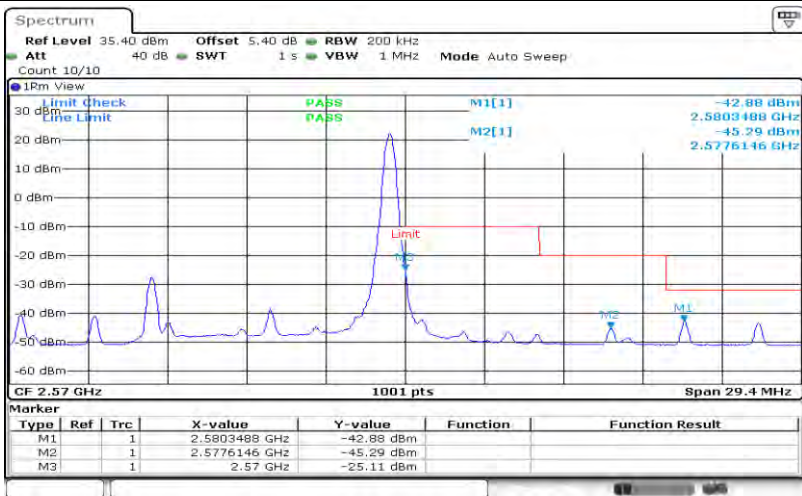
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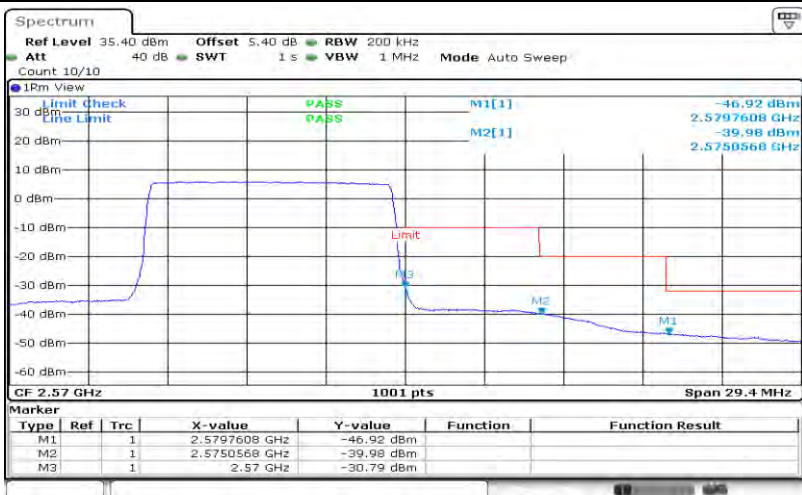


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Date: 22.MAY 2020 10:51:29

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

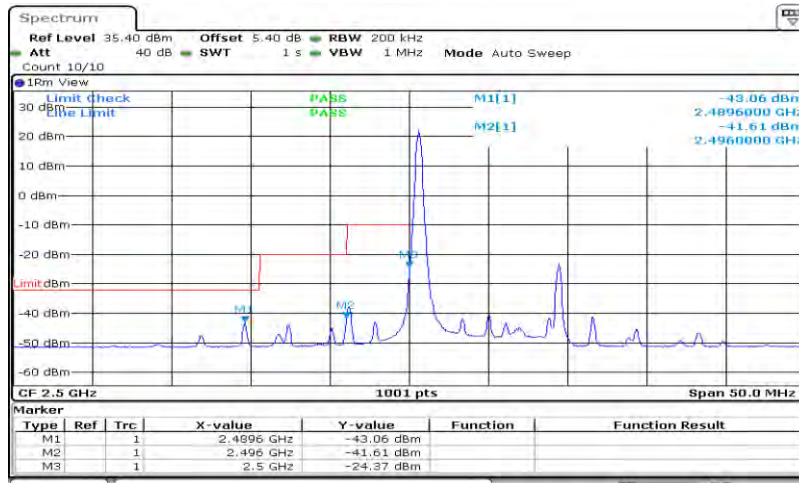


Date: 22.MAY 2020 10:52:17



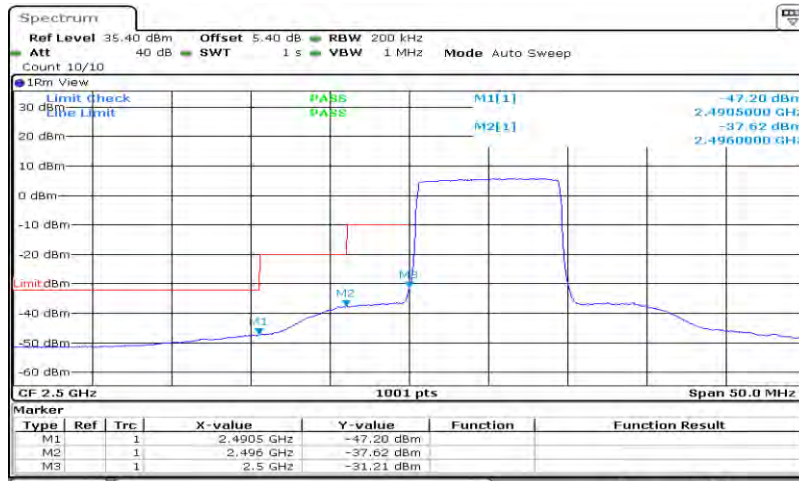
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Band7-10MHz-16QAM-20800-1RB#0



Date: 18 MAY 2020 14:03:18

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



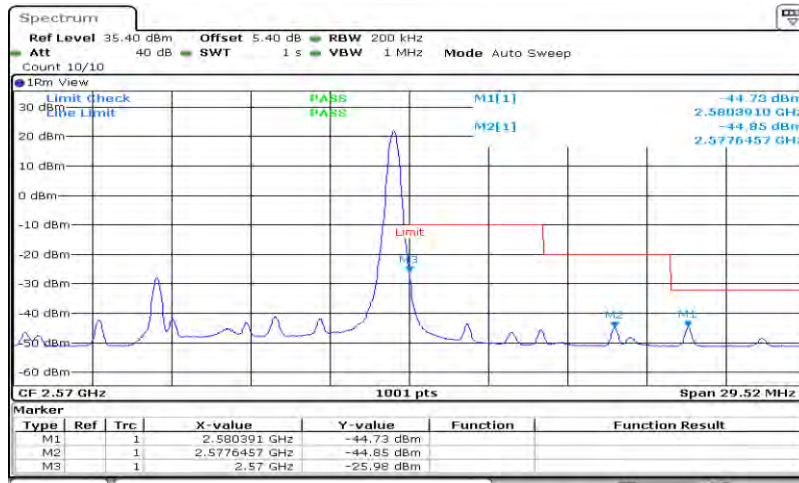
Date: 18 MAY 2020 14:04:51



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



Date: 18 MAY 2020 14:04:05

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

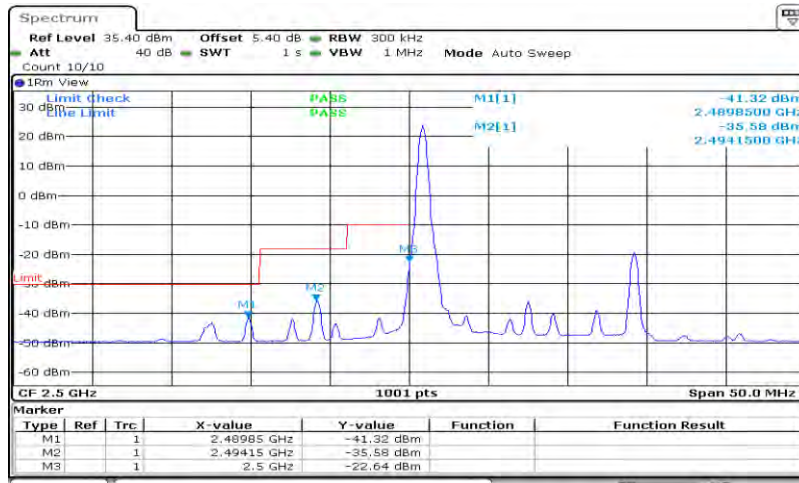


Date: 18 MAY 2020 14:05:34



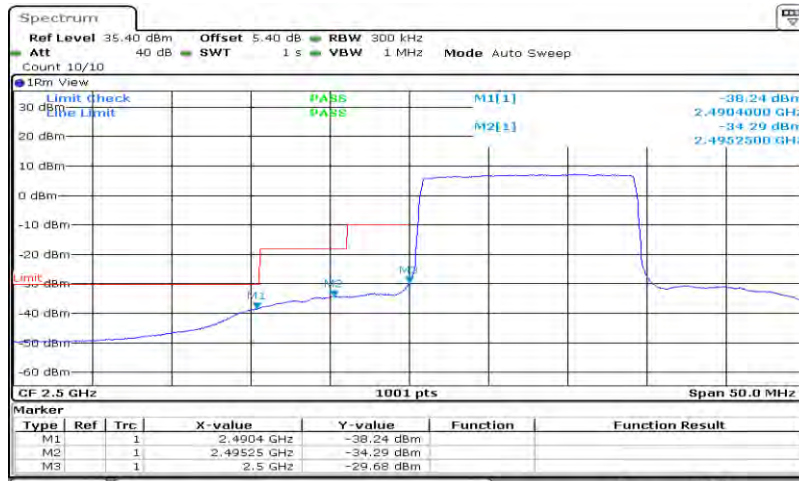
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Band7-15MHz-QPSK-20825-1RB#0



Date: 18 MAY 2020 14:06:00

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



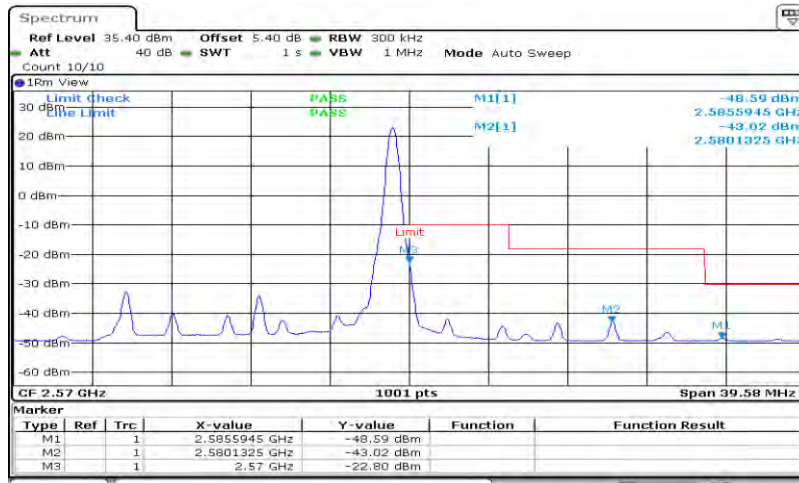
Date: 18 MAY 2020 14:07:33



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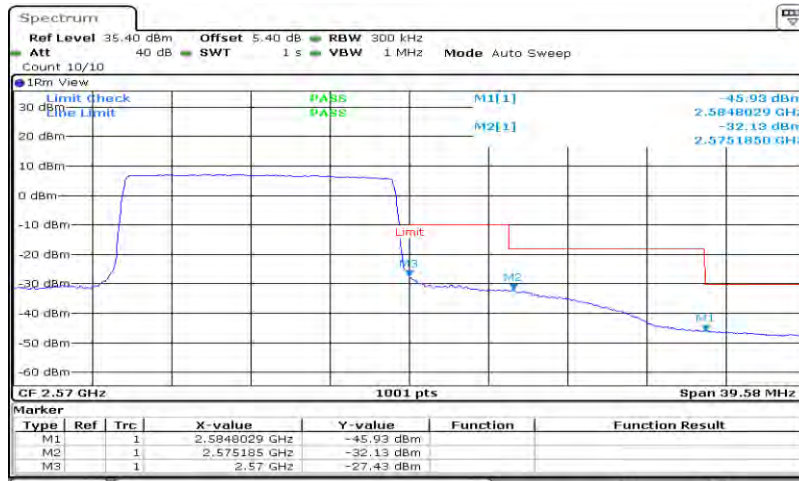


Band7-15MHz-QPSK-21375-1RB#74



Date: 18 MAY 2020 14:06:47

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



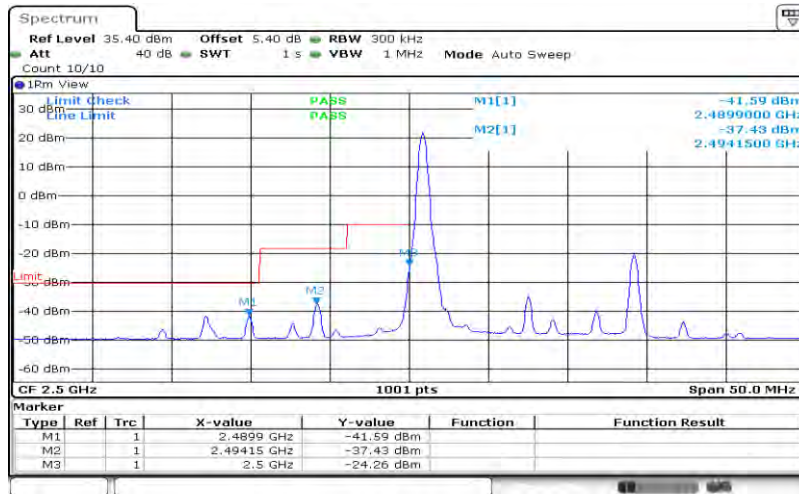
Date: 18 MAY 2020 14:08:16



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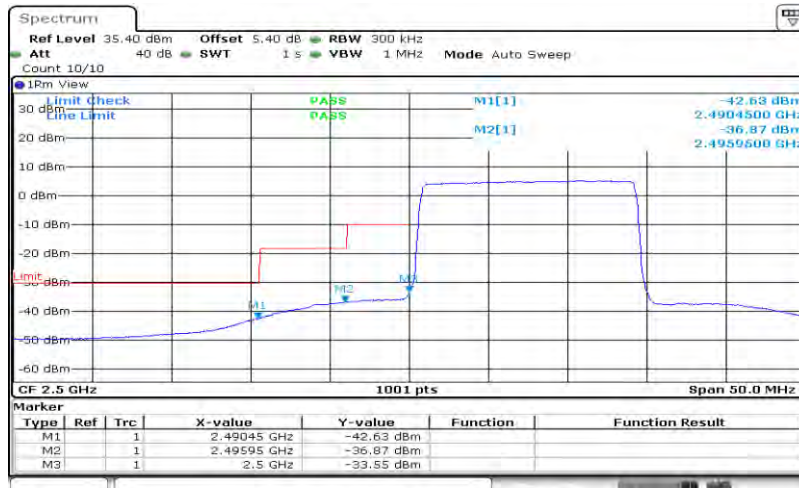


Band7-15MHz-64QAM-20825-1RB#0



Date: 22.MAY 2020 10:52:43

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



Date: 22.MAY 2020 10:53:35

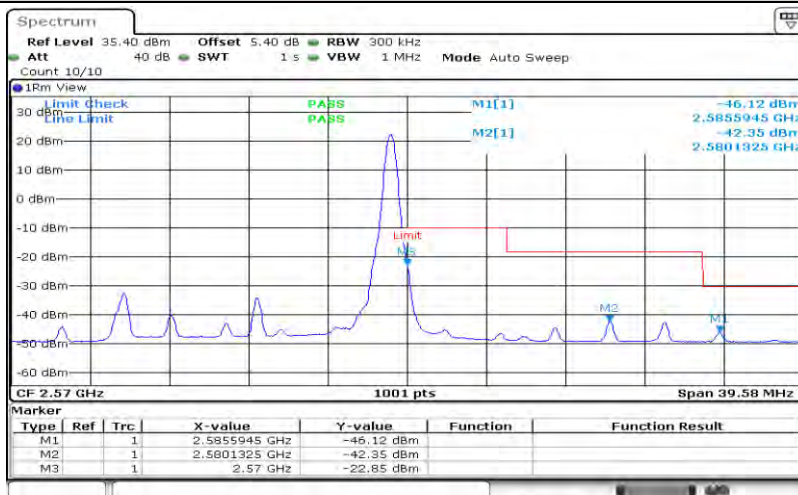


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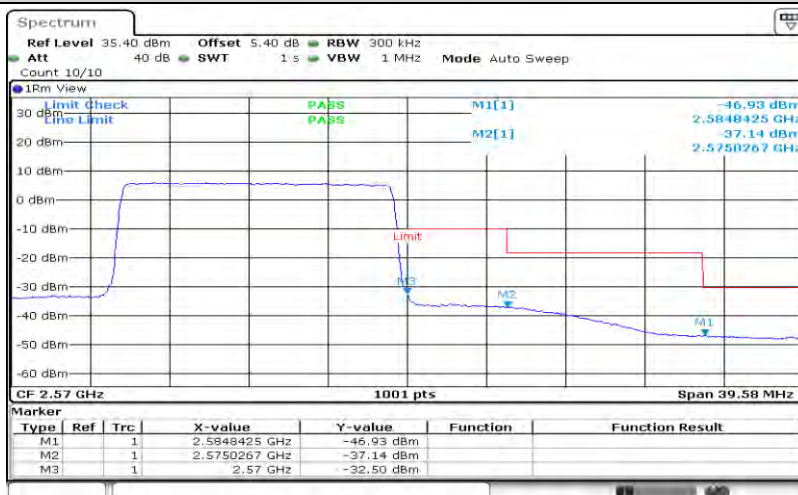


Band7-15MHz-64QAM-21375-1RB#74



Date: 22.MAY.2020 10:53:09

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

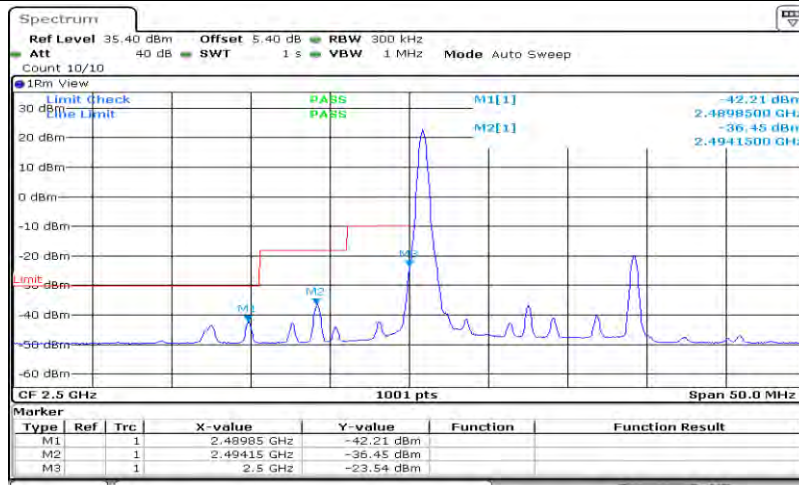


Date: 22.MAY.2020 10:53:57



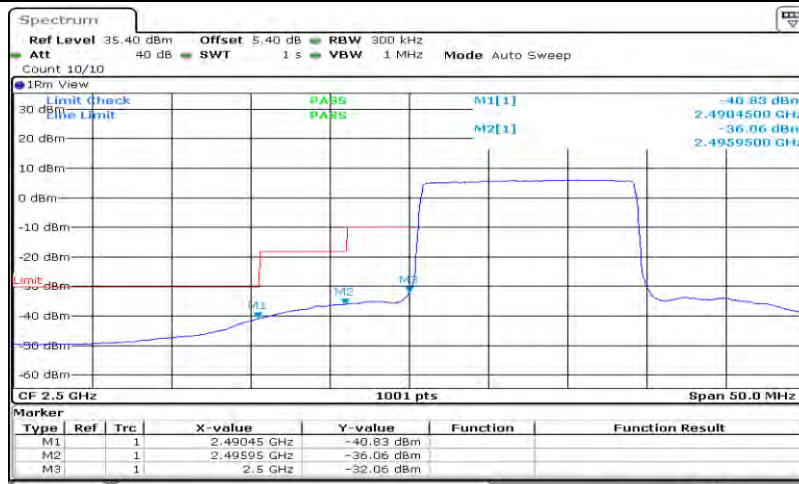
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Band7-15MHz-16QAM-20825-1RB#0



Date: 18.MAY 2020 14:06:21

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

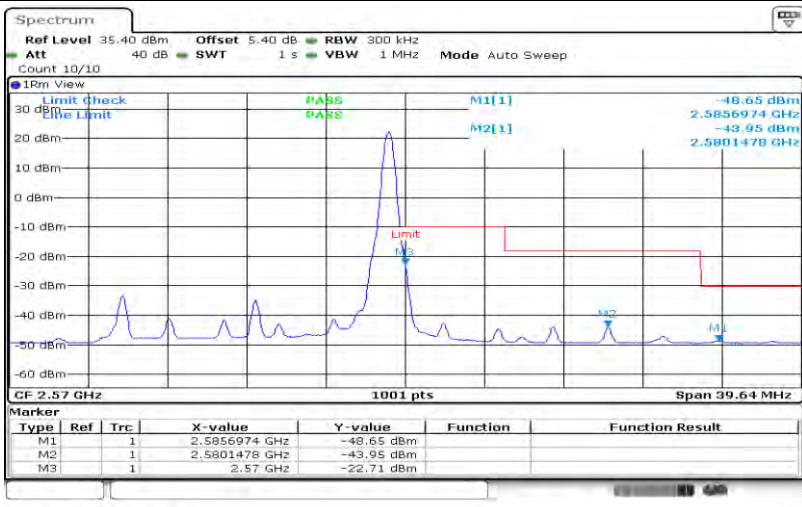


Date: 18.MAY 2020 14:07:55



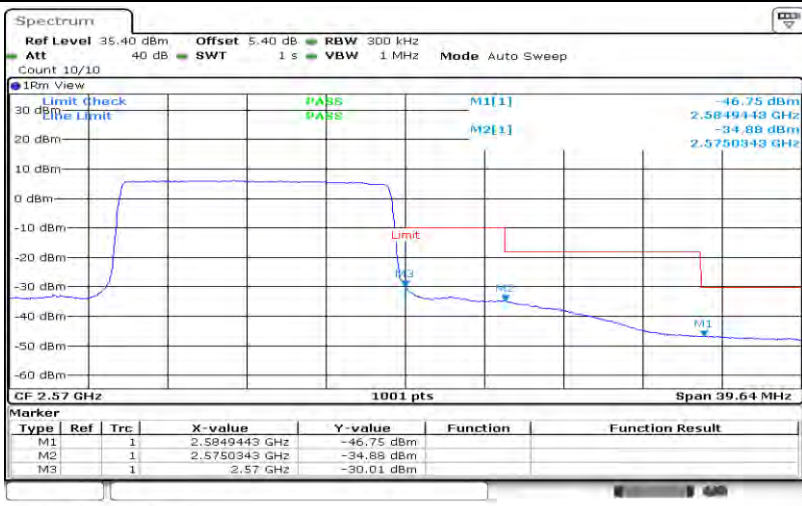
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Band7-15MHz-16QAM-21375-1RB#74



Date: 18 MAY 2020 14:07:08

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

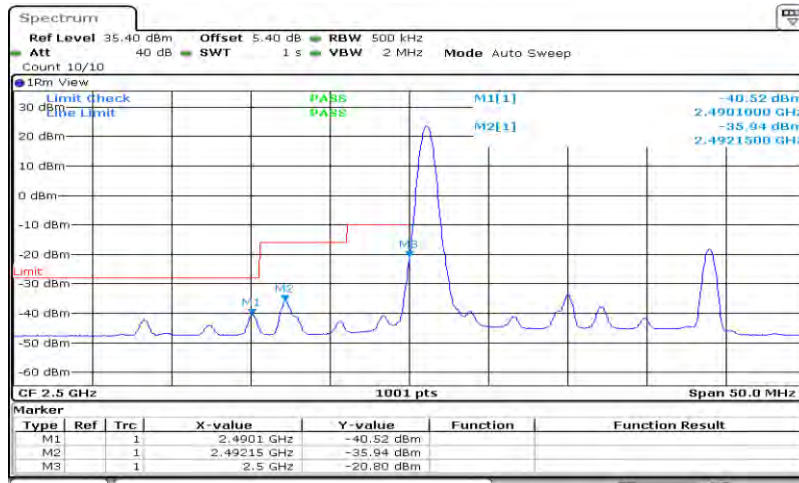


Date: 18 MAY 2020 14:08:37



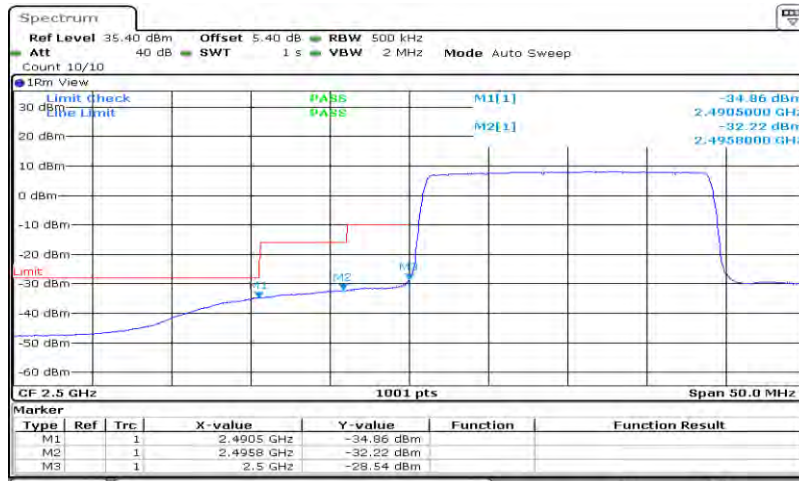
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Band7-20MHz-QPSK-20850-1RB#0



Date: 18 MAY 2020 14:09:03

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



Date: 18 MAY 2020 14:10:37

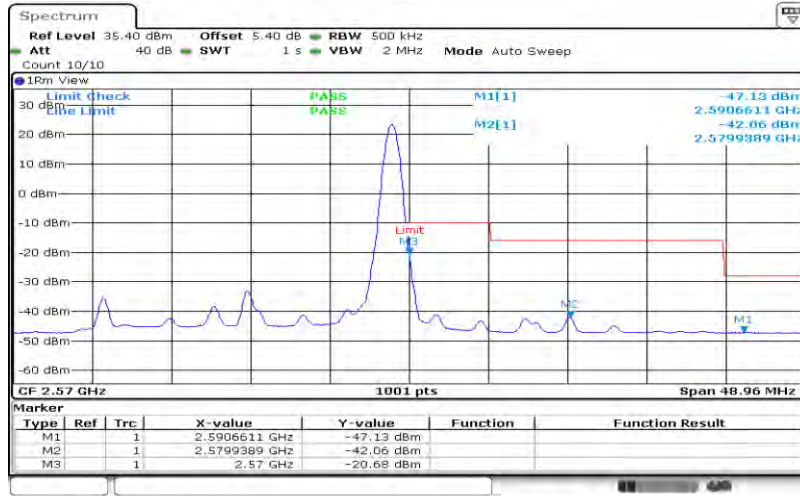


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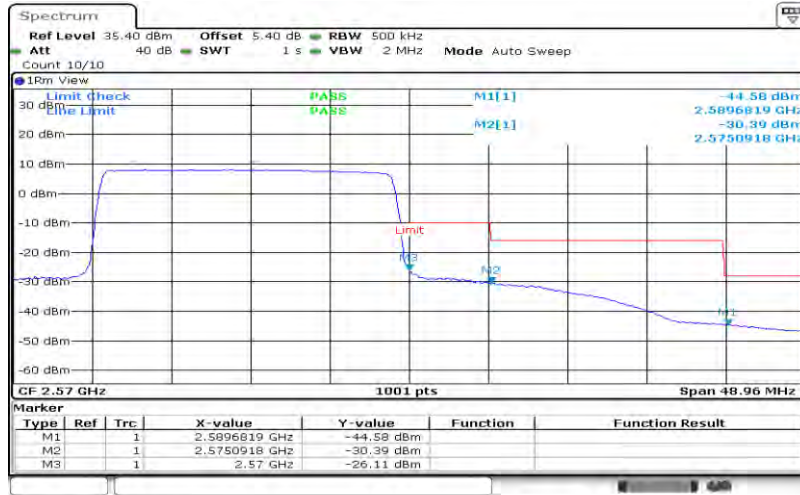
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Band7-20MHz-QPSK-21350-1RB#99

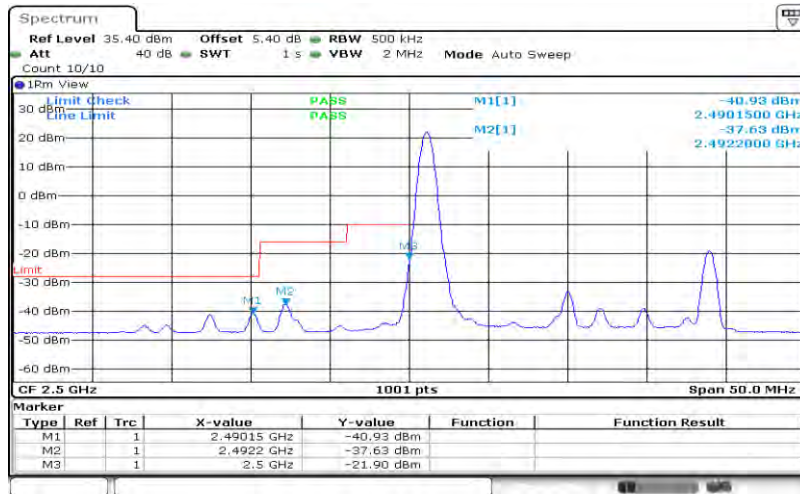


Band7-20MHz-QPSK-21350-100RB#0



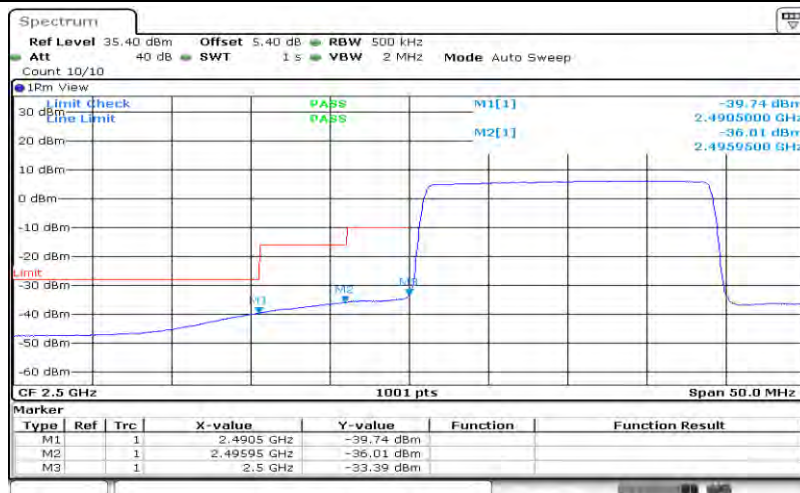
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Band7-20MHz-64QAM-20850-1RB#0



Date: 22.MAY 2020 10:54:24

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

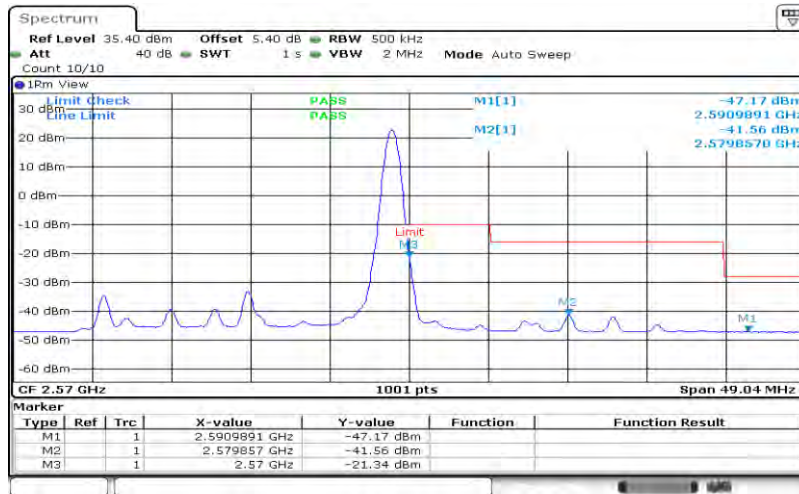


Date: 22.MAY 2020 10:55:16



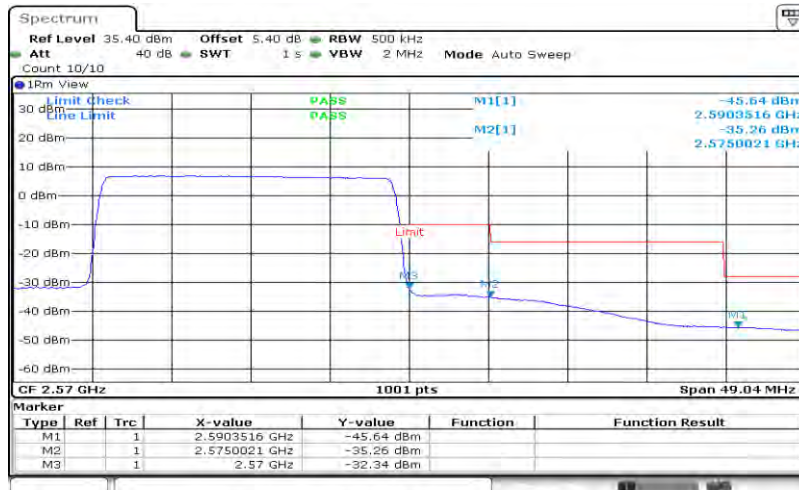
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Band7-20MHz-64QAM-21350-1RB#99



Date: 22.MAY 2020 10:54:50

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

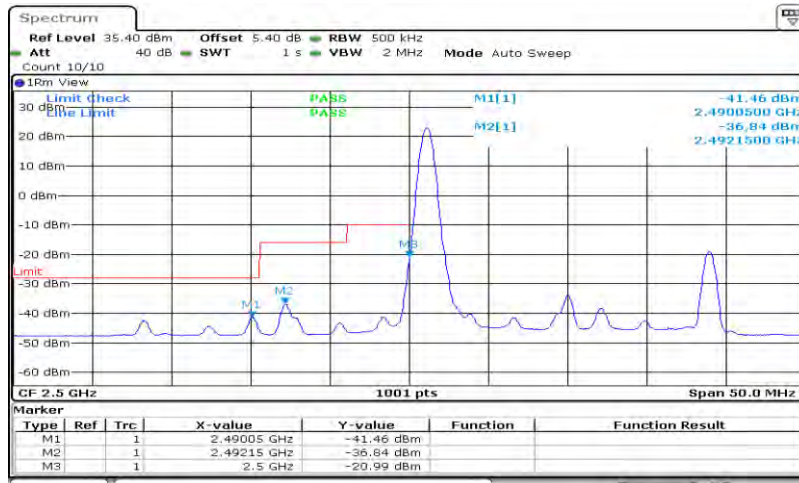


Date: 22.MAY 2020 10:55:37



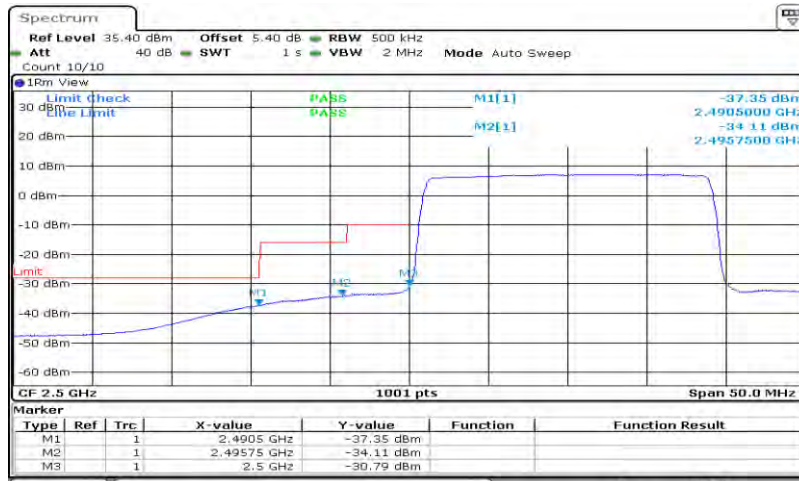
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Band7-20MHz-16QAM-20850-1RB#0



Date: 18 MAY 2020 14:09:24

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

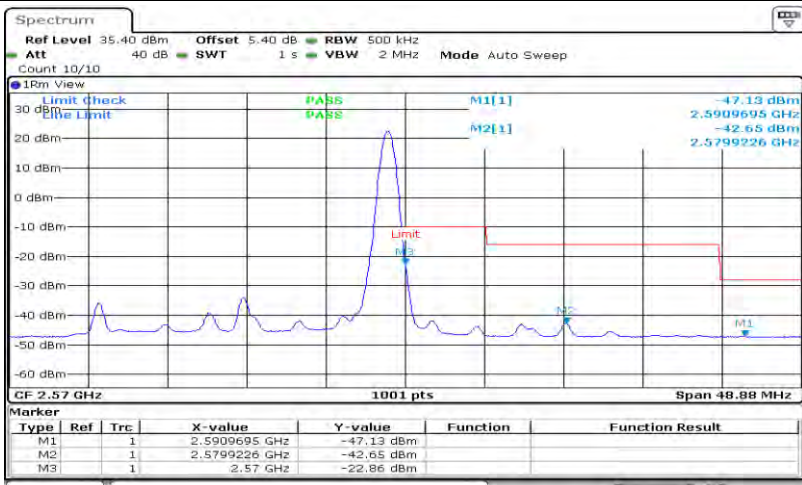


Date: 18 MAY 2020 14:10:58



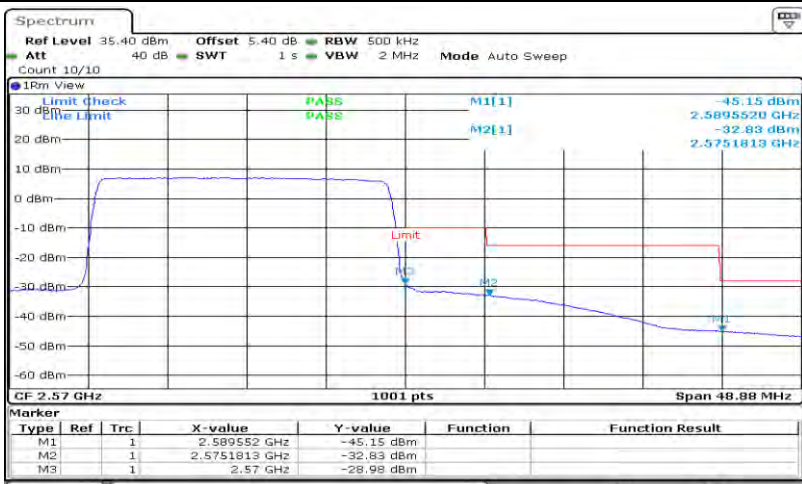
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Band7-20MHz-16QAM-21350-1RB#99



Date: 18 MAY 2020 14:10:11

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



Date: 18 MAY 2020 14:11:41



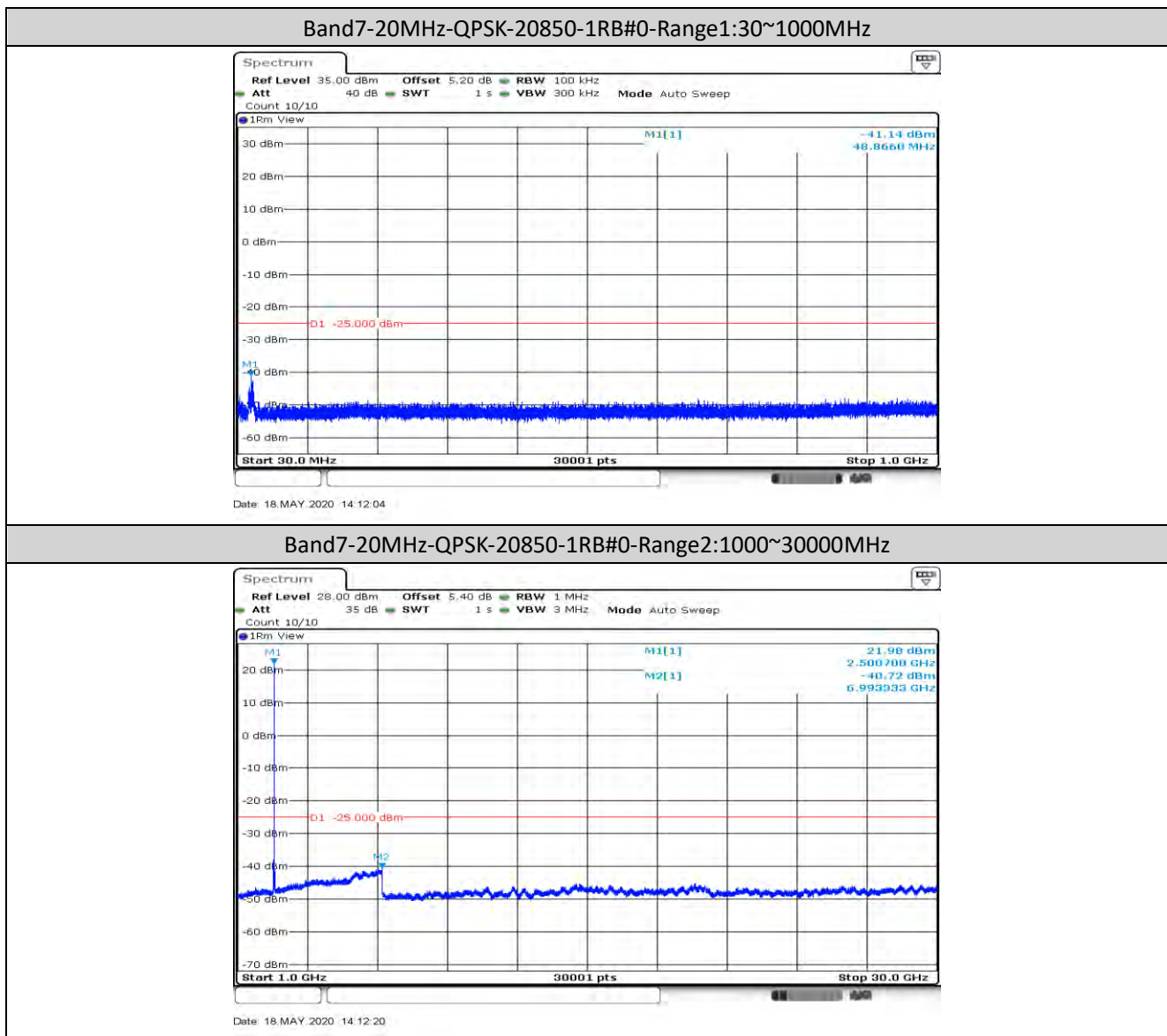
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6. Spurious Emission at Antenna Terminal

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

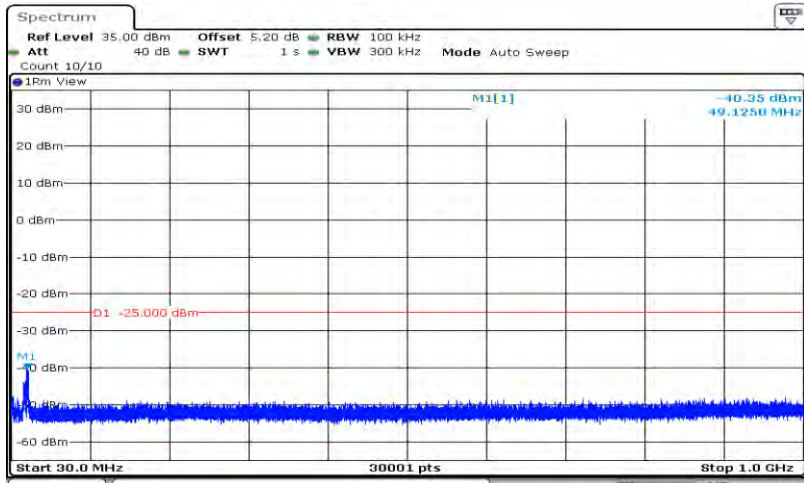


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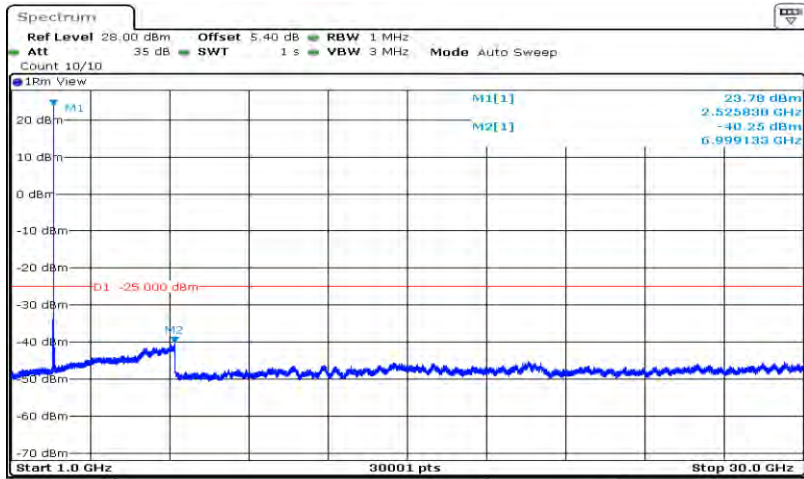
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Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



Date: 18.MAY.2020 14:13:14

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

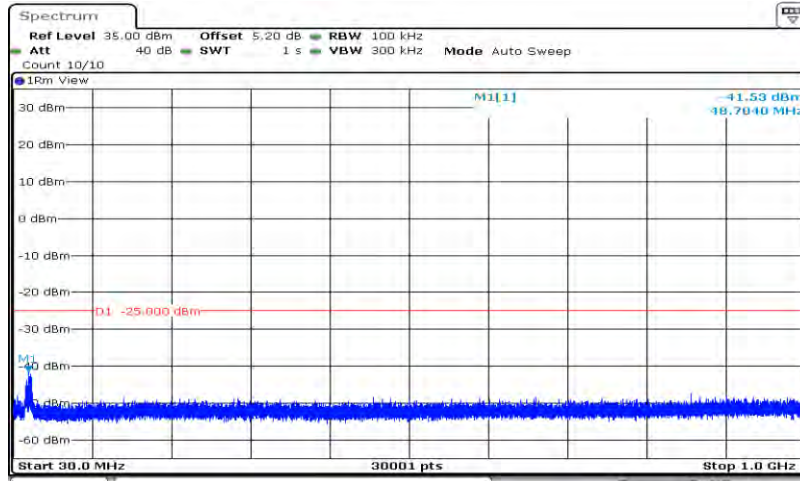


Date: 18.MAY.2020 14:13:31



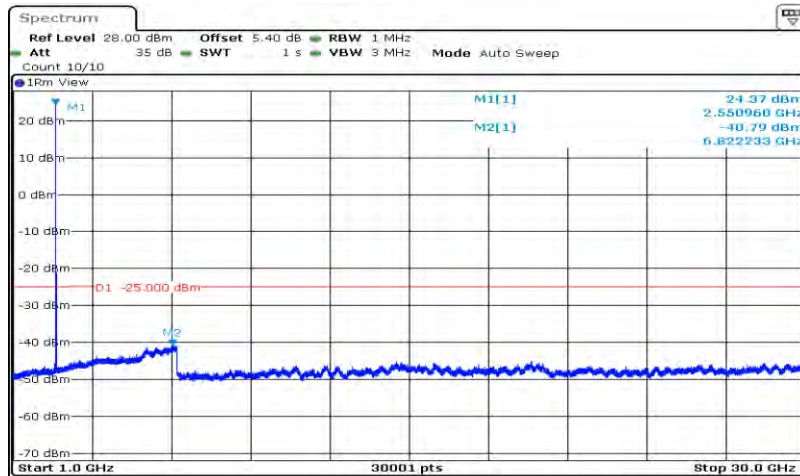
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Band7-20MHz-QPSK-21350-1RB#0-Range1:30~1000MHz



Date: 18 MAY 2020 14:14:25

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

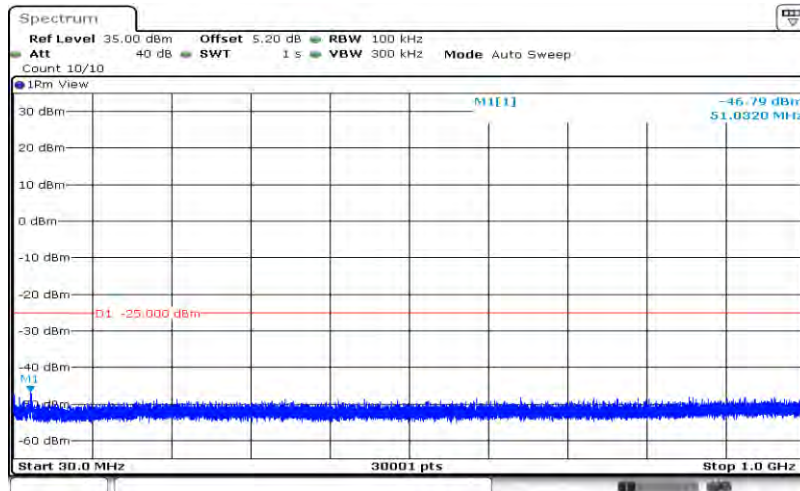


Date: 18 MAY 2020 14:14:41



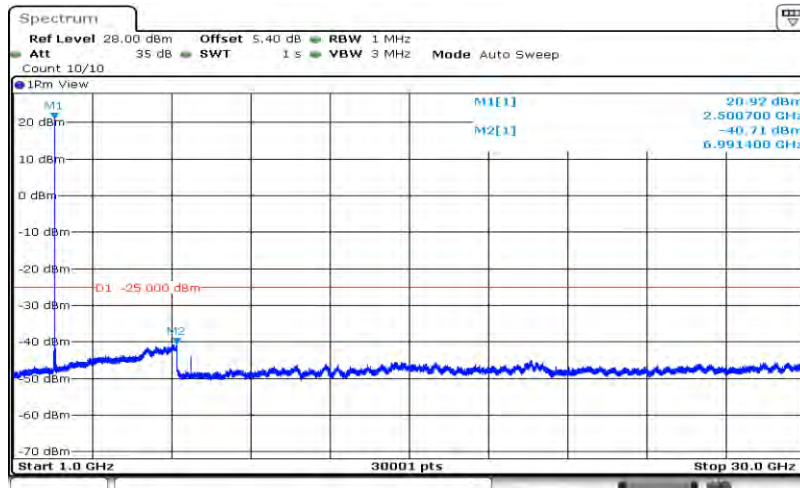
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Band7-20MHz-64QAM-20850-1RB#0-Range1:30~1000MHz



Date: 22.MAY 2020 11:03:05

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

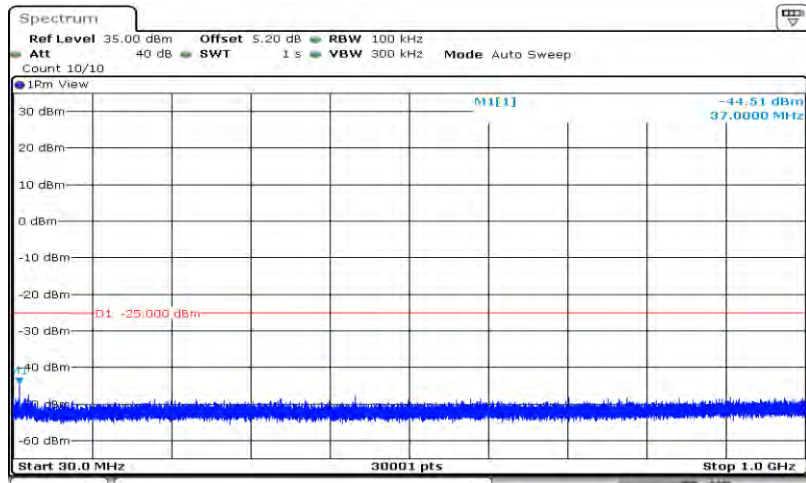


Date: 22.MAY 2020 11:03:22



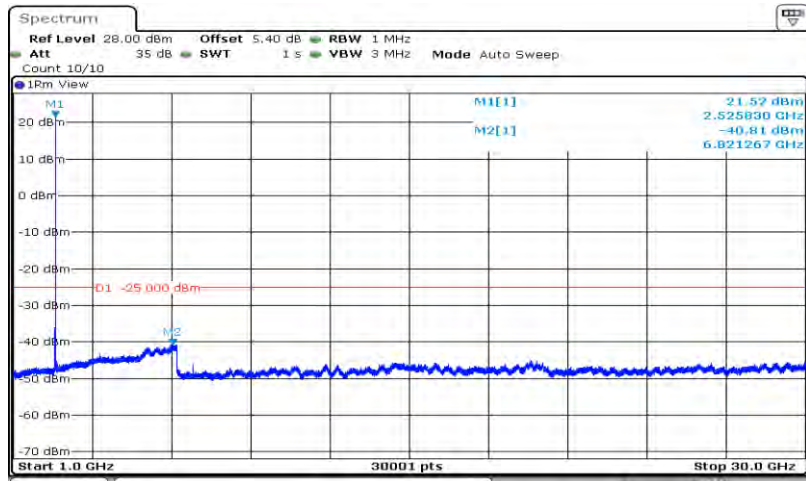
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Band7-20MHz-64QAM-21100-1RB#0-Range1:30~1000MHz



Date: 22.MAY 2020 11:03:41

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

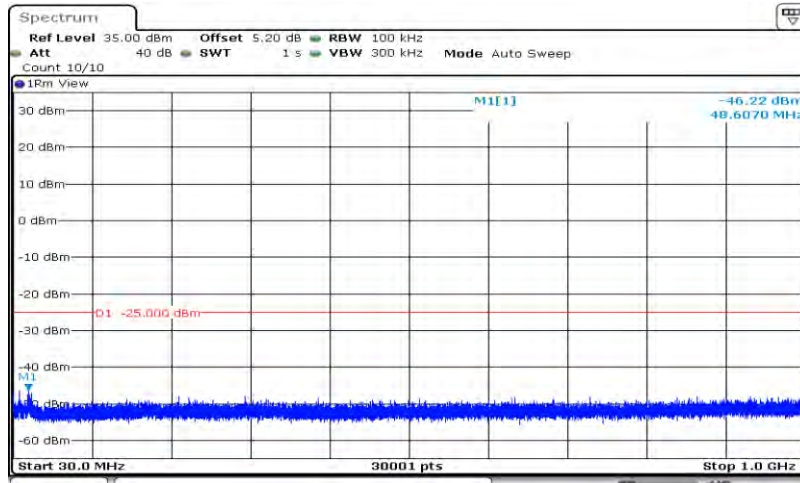


Date: 22.MAY 2020 11:03:57



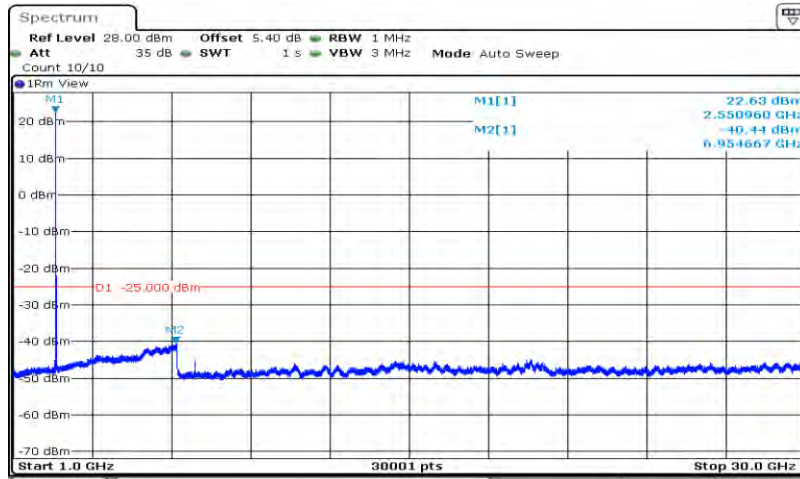
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Band7-20MHz-64QAM-21350-1RB#0-Range1:30~1000MHz



Date: 22.MAY.2020 11:04:16

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

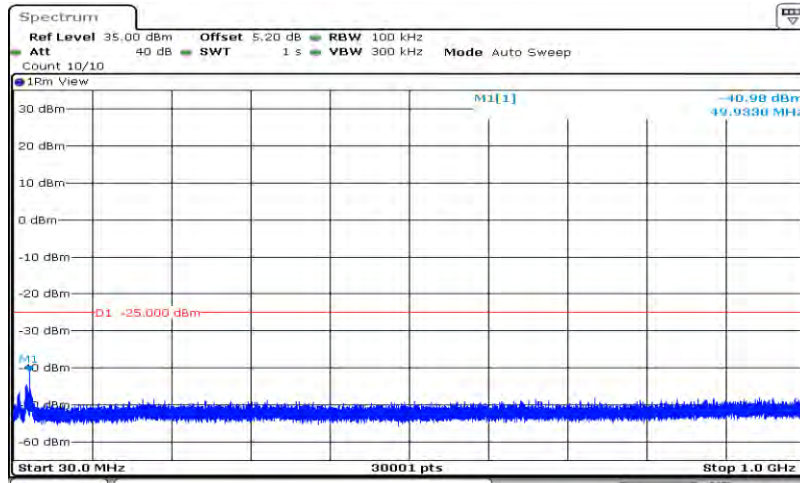


Date: 22.MAY.2020 11:04:32



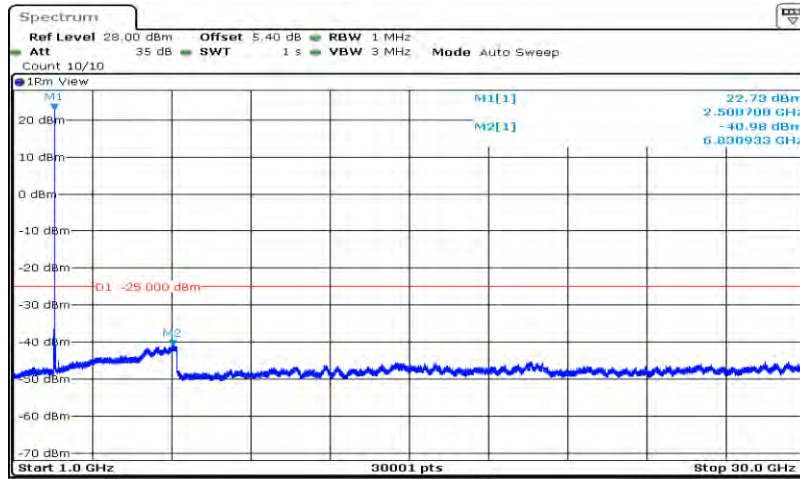
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Band7-20MHz-16QAM-20850-1RB#0-Range1:30~1000MHz



Date: 18.MAY.2020 14:12:39

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

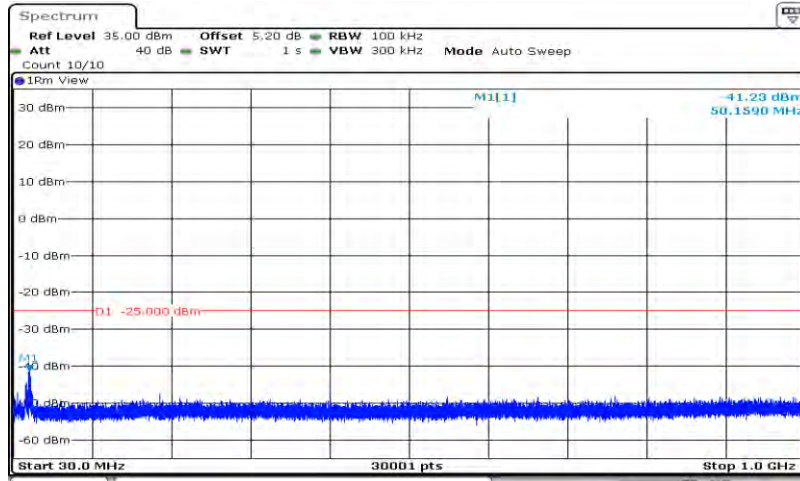


Date: 18.MAY.2020 14:12:55



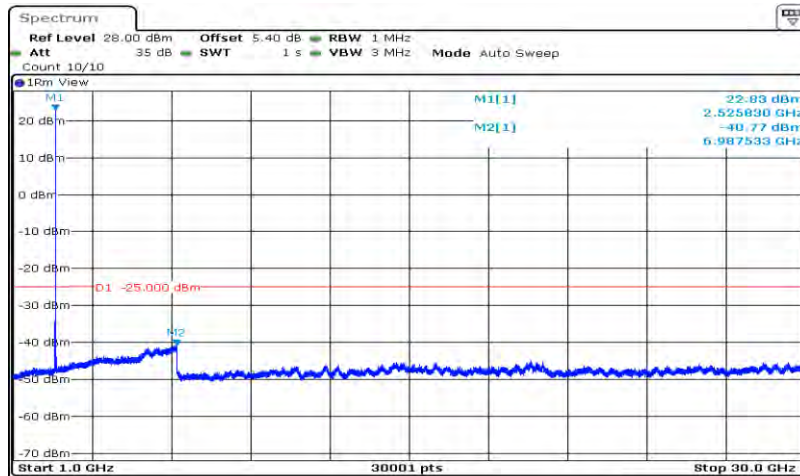
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Band7-20MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



Date: 18 MAY 2020 14:13:49

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

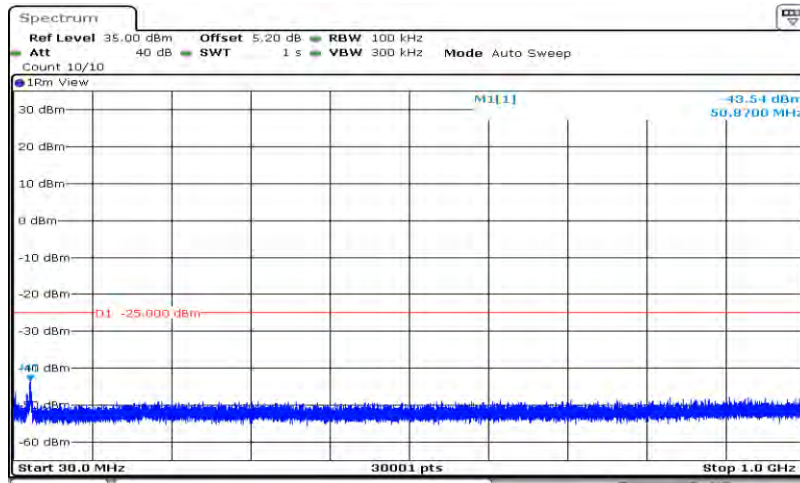


Date: 18 MAY 2020 14:14:06



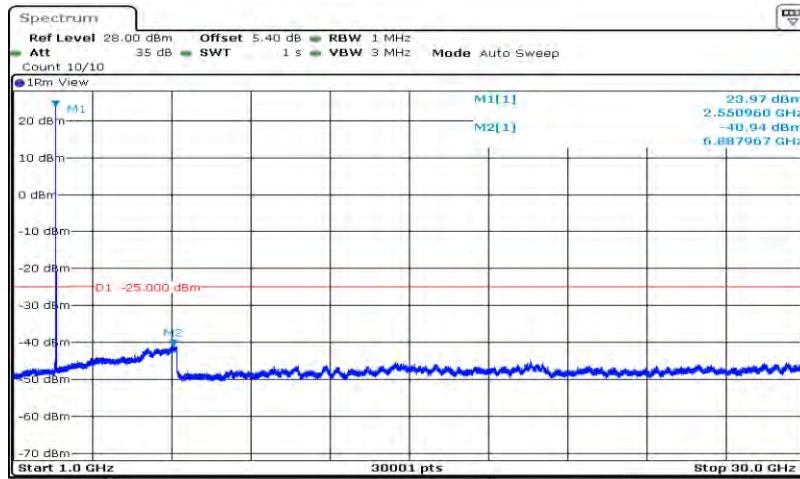
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Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1000MHz



Date: 18 MAY 2020 14:15:00

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



Date: 18 MAY 2020 14:15:16



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7. Field Strength of Spurious Radiation

7.1.1. Test Mode = LTE/TM1 20MHz

7.1.1.1. Test Channel = LCH

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
40.7190	-72.09	-65.29	-25.00	40.29	189	184	Horizontal
548.1029	-70.63	-64.28	-25.00	39.28	166	270	Horizontal
1802.1604	-70.48	-44.46	-25.00	19.46	274	328	Horizontal
5002.2801	-47.74	-54.96	-25.00	29.96	153	334	Horizontal
7503.1801	-47.27	-47.29	-25.00	22.29	197	356	Horizontal
16388.3355	-59.92	-45.68	-25.00	20.68	144	99	Horizontal
108.4769	-71.90	-65.84	-25.00	40.84	256	77	Vertical
1765.3531	-70.57	-45.35	-25.00	20.35	175	321	Vertical
5002.2801	-53.45	-60.61	-25.00	35.61	154	206	Vertical
7503.1801	-47.79	-47.73	-25.00	22.73	156	11	Vertical
14476.0590	-61.97	-49.65	-25.00	24.65	111	77	Vertical
17997.5999	-59.26	-41.44	-25.00	16.44	297	120	Vertical

7.1.1.2. Test Channel = MCH

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
40.7675	-71.74	-64.94	-25.00	39.94	296	286	Horizontal
1717.3435	-70.18	-45.99	-25.00	20.99	121	41	Horizontal
5052.0821	-46.93	-53.83	-25.00	28.83	178	334	Horizontal
7578.1831	-47.46	-48.01	-25.00	23.01	145	6	Horizontal
12630.3852	-59.25	-50.63	-25.00	25.63	194	27	Horizontal
16400.9360	-60.39	-45.96	-25.00	20.96	127	176	Horizontal
112.1146	-72.24	-66.02	-25.00	41.02	154	134	Vertical
1644.9290	-70.62	-45.80	-25.00	20.80	278	138	Vertical
5052.0821	-51.91	-58.98	-25.00	33.98	266	26	Vertical
7578.1831	-50.88	-51.24	-25.00	26.24	237	2	Vertical
14490.4596	-61.71	-49.28	-25.00	24.28	178	197	Vertical
17999.4000	-60.26	-42.40	-25.00	17.40	294	2	Vertical



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7.1.1.3. Test Channel = HCH

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
42.5621	-72.24	-65.35	-25.00	40.35	163	10	Horizontal
1592.5185	-70.55	-46.07	-25.00	21.07	154	29	Horizontal
5101.8841	-49.33	-55.93	-25.00	30.93	171	313	Horizontal
7653.7862	-46.98	-48.21	-25.00	23.21	159	10	Horizontal
12755.1902	-58.73	-49.72	-25.00	24.72	167	356	Horizontal
16399.7360	-60.60	-46.15	-25.00	21.15	207	244	Horizontal
112.2116	-72.21	-65.99	-25.00	40.99	263	26	Vertical
1674.1348	-70.49	-45.52	-25.00	20.52	222	155	Vertical
5102.4841	-54.17	-61.15	-25.00	36.15	221	5	Vertical
7653.1861	-46.02	-46.93	-25.00	21.93	294	5	Vertical
14492.8597	-62.29	-49.84	-25.00	24.84	263	270	Vertical
17998.8000	-59.57	-41.72	-25.00	16.72	174	5	Vertical

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 Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	4.20	0.001673	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	2.60	0.001036	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	3.50	0.001394	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-1.30	-0.000513	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-4.20	-0.001657	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-3.20	-0.001262	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	3.50	0.001367	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	1.50	0.000586	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	3.70	0.001445	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VL	NT	1.30	0.000518	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VN	NT	4.60	0.001833	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VH	NT	2.20	0.000876	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VL	NT	-4.00	-0.001578	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VN	NT	-0.90	-0.000355	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VH	NT	-3.40	-0.001341	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VL	NT	1.70	0.000664	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VN	NT	0.90	0.000352	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VH	NT	1.90	0.000742	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	1.20	0.000478	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	3.10	0.001235	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	3.00	0.001195	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-0.30	-0.000118	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-2.90	-0.001144	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	0.40	0.000158	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	1.50	0.000586	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	1.00	0.000391	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	-0.90	-0.000352	±2.5	PASS



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8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	3.10	0.001235	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	2.60	0.001036	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	3.00	0.001195	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	4.40	0.001753	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	3.90	0.001554	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	0.80	0.000319	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	3.50	0.001394	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	1.70	0.000677	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	0.10	0.000039	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-2.30	-0.000907	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-3.10	-0.001223	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	0.80	0.000316	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-1.90	-0.000750	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-3.10	-0.001223	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-2.80	-0.001105	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	2.10	0.000820	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	4.20	0.001641	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	2.40	0.000938	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	1.20	0.000469	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	3.00	0.001172	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	1.20	0.000469	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	1.90	0.000742	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	4.00	0.001563	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-30	2.60	0.001036	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-20	4.50	0.001793	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	0	0.90	0.000359	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	10	0.60	0.000239	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	20	1.40	0.000558	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	30	9.10	0.003625	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	40	2.30	0.000916	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	50	2.40	0.000956	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-30	-3.90	-0.001538	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-20	-3.70	-0.001460	±2.5	PASS



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Band7	20MHz	64QAM	21100	100RB#0	NV	0	-1.60	-0.000631	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	10	-4.50	-0.001775	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	20	-4.60	-0.001815	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	30	-1.90	-0.000750	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	40	-1.80	-0.000710	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	50	-4.50	-0.001775	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-30	2.30	0.000898	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-20	0.60	0.000234	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	0	0.80	0.000313	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	10	1.00	0.000391	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	20	0.10	0.000039	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	30	4.20	0.001641	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	40	1.50	0.000586	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	50	2.70	0.001055	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	3.50	0.001394	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	3.60	0.001434	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	3.20	0.001275	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	0.90	0.000359	±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	30	3.50	0.001394	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	0.90	0.000359	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	2.50	0.000996	±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	0.40	0.000158	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-2.70	-0.001065	±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	-0.50	-0.000197	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	-1.70	-0.000671	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	-2.70	-0.001065	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	-0.80	-0.000316	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	1.50	0.000586	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	2.90	0.001133	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	0.30	0.000117	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	-0.20	-0.000078	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	-1.20	-0.000469	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	0.70	0.000273	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	0.10	0.000039	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	1.50	0.000586	±2.5	PASS



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