



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#12	23.5	18.85	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.74	19.09	33	PASS
Band7	5MHz	QPSK	20775	1RB#0	23.54	18.89	33	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.67	18.02	33	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.79	18.14	33	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.66	18.01	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.69	18.04	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.66	19.01	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.69	19.04	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.63	18.98	33	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.76	18.11	33	PASS
Band7	5MHz	QPSK	21100	12RB#13	22.83	18.18	33	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.65	18	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.77	18.12	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.63	18.98	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.74	19.09	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.51	18.86	33	PASS
Band7	5MHz	QPSK	21425	12RB#13	22.79	18.14	33	PASS
Band7	5MHz	QPSK	21425	12RB#0	22.87	18.22	33	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.8	18.15	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.76	18.11	33	PASS
Band7	5MHz	64QAM	20775	1RB#24	21.62	16.97	33	PASS
Band7	5MHz	64QAM	20775	1RB#12	21.51	16.86	33	PASS
Band7	5MHz	64QAM	20775	1RB#0	21.48	16.83	33	PASS
Band7	5MHz	64QAM	20775	12RB#6	20.67	16.02	33	PASS
Band7	5MHz	64QAM	20775	12RB#0	20.77	16.12	33	PASS
Band7	5MHz	64QAM	20775	12RB#13	20.52	15.87	33	PASS



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Band7	5MHz	64QAM	20775	25RB#0	20.46	15.81	33	PASS
Band7	5MHz	64QAM	21100	1RB#0	21.65	17	33	PASS
Band7	5MHz	64QAM	21100	1RB#12	21.32	16.67	33	PASS
Band7	5MHz	64QAM	21100	1RB#24	21.45	16.8	33	PASS
Band7	5MHz	64QAM	21100	12RB#13	20.58	15.93	33	PASS
Band7	5MHz	64QAM	21100	12RB#0	20.77	16.12	33	PASS
Band7	5MHz	64QAM	21100	12RB#6	20.37	15.72	33	PASS
Band7	5MHz	64QAM	21100	25RB#0	20.5	15.85	33	PASS
Band7	5MHz	64QAM	21425	1RB#0	21.68	17.03	33	PASS
Band7	5MHz	64QAM	21425	1RB#12	21.49	16.84	33	PASS
Band7	5MHz	64QAM	21425	1RB#24	21.48	16.83	33	PASS
Band7	5MHz	64QAM	21425	12RB#13	20.59	15.94	33	PASS
Band7	5MHz	64QAM	21425	12RB#0	20.78	16.13	33	PASS
Band7	5MHz	64QAM	21425	12RB#6	20.53	15.88	33	PASS
Band7	5MHz	64QAM	21425	25RB#0	20.57	15.92	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.84	18.19	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.73	18.08	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.58	17.93	33	PASS
Band7	5MHz	16QAM	20775	12RB#0	22.05	17.4	33	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.77	17.12	33	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.71	17.06	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.65	17	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.74	18.09	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	23.2	18.55	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.77	18.12	33	PASS
Band7	5MHz	16QAM	21100	12RB#0	22.1	17.45	33	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.88	17.23	33	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.76	17.11	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.74	17.09	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.8	18.15	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	23.08	18.43	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.96	18.31	33	PASS
Band7	5MHz	16QAM	21425	12RB#0	22.02	17.37	33	PASS



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Band7	5MHz	16QAM	21425	12RB#13	21.85	17.2	33	PASS
Band7	5MHz	16QAM	21425	12RB#6	21.72	17.07	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.68	17.03	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.72	19.07	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.77	19.12	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.58	18.93	33	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.84	18.19	33	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.73	18.08	33	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.8	18.15	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.81	18.16	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.68	19.03	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.95	19.3	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.74	19.09	33	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.82	18.17	33	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.79	18.14	33	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.75	18.1	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.86	18.21	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.79	19.14	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.94	19.29	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.77	19.12	33	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.79	18.14	33	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.91	18.26	33	PASS
Band7	10MHz	QPSK	21400	25RB#12	22.94	18.29	33	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.87	18.22	33	PASS
Band7	10MHz	64QAM	20800	1RB#49	21.62	16.97	33	PASS
Band7	10MHz	64QAM	20800	1RB#24	21.5	16.85	33	PASS
Band7	10MHz	64QAM	20800	1RB#0	21.46	16.81	33	PASS
Band7	10MHz	64QAM	20800	25RB#0	20.63	15.98	33	PASS
Band7	10MHz	64QAM	20800	25RB#12	20.76	16.11	33	PASS
Band7	10MHz	64QAM	20800	25RB#25	20.54	15.89	33	PASS
Band7	10MHz	64QAM	20800	50RB#0	20.49	15.84	33	PASS
Band7	10MHz	64QAM	21100	1RB#49	21.67	17.02	33	PASS
Band7	10MHz	64QAM	21100	1RB#0	21.58	16.93	33	PASS



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Band7	10MHz	64QAM	21100	1RB#24	21.42	16.77	33	PASS
Band7	10MHz	64QAM	21100	25RB#0	20.61	15.96	33	PASS
Band7	10MHz	64QAM	21100	25RB#25	20.76	16.11	33	PASS
Band7	10MHz	64QAM	21100	25RB#12	20.37	15.72	33	PASS
Band7	10MHz	64QAM	21100	50RB#0	20.52	15.87	33	PASS
Band7	10MHz	64QAM	21400	1RB#49	21.65	17	33	PASS
Band7	10MHz	64QAM	21400	1RB#24	21.46	16.81	33	PASS
Band7	10MHz	64QAM	21400	1RB#0	21.48	16.83	33	PASS
Band7	10MHz	64QAM	21400	25RB#25	20.58	15.93	33	PASS
Band7	10MHz	64QAM	21400	25RB#12	20.79	16.14	33	PASS
Band7	10MHz	64QAM	21400	25RB#0	20.51	15.86	33	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.54	15.89	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.76	18.11	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.78	18.13	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.84	18.19	33	PASS
Band7	10MHz	16QAM	20800	25RB#0	22.06	17.41	33	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.76	17.11	33	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.9	17.25	33	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.84	17.19	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.8	18.15	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.97	18.32	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.84	18.19	33	PASS
Band7	10MHz	16QAM	21100	25RB#25	22.06	17.41	33	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.85	17.2	33	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.79	17.14	33	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.81	17.16	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.56	17.91	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.92	18.27	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	23.11	18.46	33	PASS
Band7	10MHz	16QAM	21400	25RB#0	22.08	17.43	33	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.84	17.19	33	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.79	17.14	33	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.94	17.29	33	PASS



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Band7	15MHz	QPSK	20825	1RB#74	23.6	18.95	33	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.63	18.98	33	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.72	19.07	33	PASS
Band7	15MHz	QPSK	20825	36RB#0	22.72	18.07	33	PASS
Band7	15MHz	QPSK	20825	36RB#39	22.82	18.17	33	PASS
Band7	15MHz	QPSK	20825	36RB#18	22.83	18.18	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.72	18.07	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.65	19	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.72	19.07	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.72	19.07	33	PASS
Band7	15MHz	QPSK	21100	36RB#0	22.72	18.07	33	PASS
Band7	15MHz	QPSK	21100	36RB#18	22.79	18.14	33	PASS
Band7	15MHz	QPSK	21100	36RB#39	22.83	18.18	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.77	18.12	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.65	19	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.87	19.22	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.72	19.07	33	PASS
Band7	15MHz	QPSK	21375	36RB#18	22.7	18.05	33	PASS
Band7	15MHz	QPSK	21375	36RB#39	22.83	18.18	33	PASS
Band7	15MHz	QPSK	21375	36RB#0	22.86	18.21	33	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.77	18.12	33	PASS
Band7	15MHz	64QAM	20825	1RB#74	21.76	17.11	33	PASS
Band7	15MHz	64QAM	20825	1RB#38	21.61	16.96	33	PASS
Band7	15MHz	64QAM	20825	1RB#0	21.58	16.93	33	PASS
Band7	15MHz	64QAM	20825	36RB#18	20.78	16.13	33	PASS
Band7	15MHz	64QAM	20825	36RB#0	20.89	16.24	33	PASS
Band7	15MHz	64QAM	20825	36RB#39	20.65	16	33	PASS
Band7	15MHz	64QAM	20825	75RB#0	20.61	15.96	33	PASS
Band7	15MHz	64QAM	21100	1RB#38	21.78	17.13	33	PASS
Band7	15MHz	64QAM	21100	1RB#0	21.43	16.78	33	PASS
Band7	15MHz	64QAM	21100	1RB#74	21.55	16.9	33	PASS
Band7	15MHz	64QAM	21100	36RB#39	20.72	16.07	33	PASS
Band7	15MHz	64QAM	21100	36RB#18	20.88	16.23	33	PASS



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Band7	15MHz	64QAM	21100	36RB#0	20.48	15.83	33	PASS
Band7	15MHz	64QAM	21100	75RB#0	20.62	15.97	33	PASS
Band7	15MHz	64QAM	21375	1RB#74	21.8	17.15	33	PASS
Band7	15MHz	64QAM	21375	1RB#38	21.61	16.96	33	PASS
Band7	15MHz	64QAM	21375	1RB#0	21.61	16.96	33	PASS
Band7	15MHz	64QAM	21375	36RB#39	20.73	16.08	33	PASS
Band7	15MHz	64QAM	21375	36RB#18	20.91	16.26	33	PASS
Band7	15MHz	64QAM	21375	36RB#0	20.65	16	33	PASS
Band7	15MHz	64QAM	21375	75RB#0	20.68	16.03	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.97	18.32	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	23	18.35	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.64	17.99	33	PASS
Band7	15MHz	16QAM	20825	36RB#18	22.07	17.42	33	PASS
Band7	15MHz	16QAM	20825	36RB#39	21.8	17.15	33	PASS
Band7	15MHz	16QAM	20825	36RB#0	21.89	17.24	33	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.79	17.14	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.64	17.99	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.84	18.19	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	23.05	18.4	33	PASS
Band7	15MHz	16QAM	21100	36RB#0	22.06	17.41	33	PASS
Band7	15MHz	16QAM	21100	36RB#39	21.77	17.12	33	PASS
Band7	15MHz	16QAM	21100	36RB#18	21.89	17.24	33	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.8	17.15	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.87	18.22	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	23.02	18.37	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.87	18.22	33	PASS
Band7	15MHz	16QAM	21375	36RB#0	22.03	17.38	33	PASS
Band7	15MHz	16QAM	21375	36RB#39	21.82	17.17	33	PASS
Band7	15MHz	16QAM	21375	36RB#18	21.85	17.2	33	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.79	17.14	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.53	18.88	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.71	19.06	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.62	18.97	33	PASS



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Band7	20MHz	QPSK	20850	50RB#0	22.69	18.04	33	PASS
Band7	20MHz	QPSK	20850	50RB#25	22.78	18.13	33	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.88	18.23	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.75	18.1	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.33	18.68	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.69	19.04	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.64	18.99	33	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.75	18.1	33	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.69	18.04	33	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.68	18.03	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.75	18.1	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.54	18.89	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.82	19.17	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.59	18.94	33	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.66	18.01	33	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.84	18.19	33	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.8	18.15	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.8	18.15	33	PASS
Band7	20MHz	64QAM	20850	1RB#0	21.9	17.25	33	PASS
Band7	20MHz	64QAM	20850	1RB#49	21.71	17.06	33	PASS
Band7	20MHz	64QAM	20850	1RB#99	21.68	17.03	33	PASS
Band7	20MHz	64QAM	20850	50RB#0	20.92	16.27	33	PASS
Band7	20MHz	64QAM	20850	50RB#25	20.99	16.34	33	PASS
Band7	20MHz	64QAM	20850	50RB#50	20.79	16.14	33	PASS
Band7	20MHz	64QAM	20850	100RB#0	20.73	16.08	33	PASS
Band7	20MHz	64QAM	21100	1RB#0	21.93	17.28	33	PASS
Band7	20MHz	64QAM	21100	1RB#49	21.55	16.9	33	PASS
Band7	20MHz	64QAM	21100	1RB#99	21.69	17.04	33	PASS
Band7	20MHz	64QAM	21100	50RB#50	20.82	16.17	33	PASS
Band7	20MHz	64QAM	21100	50RB#0	21	16.35	33	PASS
Band7	20MHz	64QAM	21100	50RB#25	20.61	15.96	33	PASS
Band7	20MHz	64QAM	21100	100RB#0	20.75	16.1	33	PASS
Band7	20MHz	64QAM	21350	1RB#49	21.95	17.3	33	PASS



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Band7	20MHz	64QAM	21350	1RB#99	21.72	17.07	33	PASS
Band7	20MHz	64QAM	21350	1RB#0	21.74	17.09	33	PASS
Band7	20MHz	64QAM	21350	50RB#0	20.85	16.2	33	PASS
Band7	20MHz	64QAM	21350	50RB#25	21.03	16.38	33	PASS
Band7	20MHz	64QAM	21350	50RB#50	20.77	16.12	33	PASS
Band7	20MHz	64QAM	21350	100RB#0	20.81	16.16	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.45	17.8	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.92	18.27	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	23.1	18.45	33	PASS
Band7	20MHz	16QAM	20850	50RB#0	22.03	17.38	33	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.84	17.19	33	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.81	17.16	33	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.82	17.17	33	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.31	17.66	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	23.02	18.37	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.54	17.89	33	PASS
Band7	20MHz	16QAM	21100	50RB#0	22.06	17.41	33	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.7	17.05	33	PASS
Band7	20MHz	16QAM	21100	50RB#50	21.81	17.16	33	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.73	17.08	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.92	18.27	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.94	18.29	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.99	18.34	33	PASS
Band7	20MHz	16QAM	21350	50RB#0	22.05	17.4	33	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.84	17.19	33	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.87	17.22	33	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.76	17.11	33	PASS

Remark:

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

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

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



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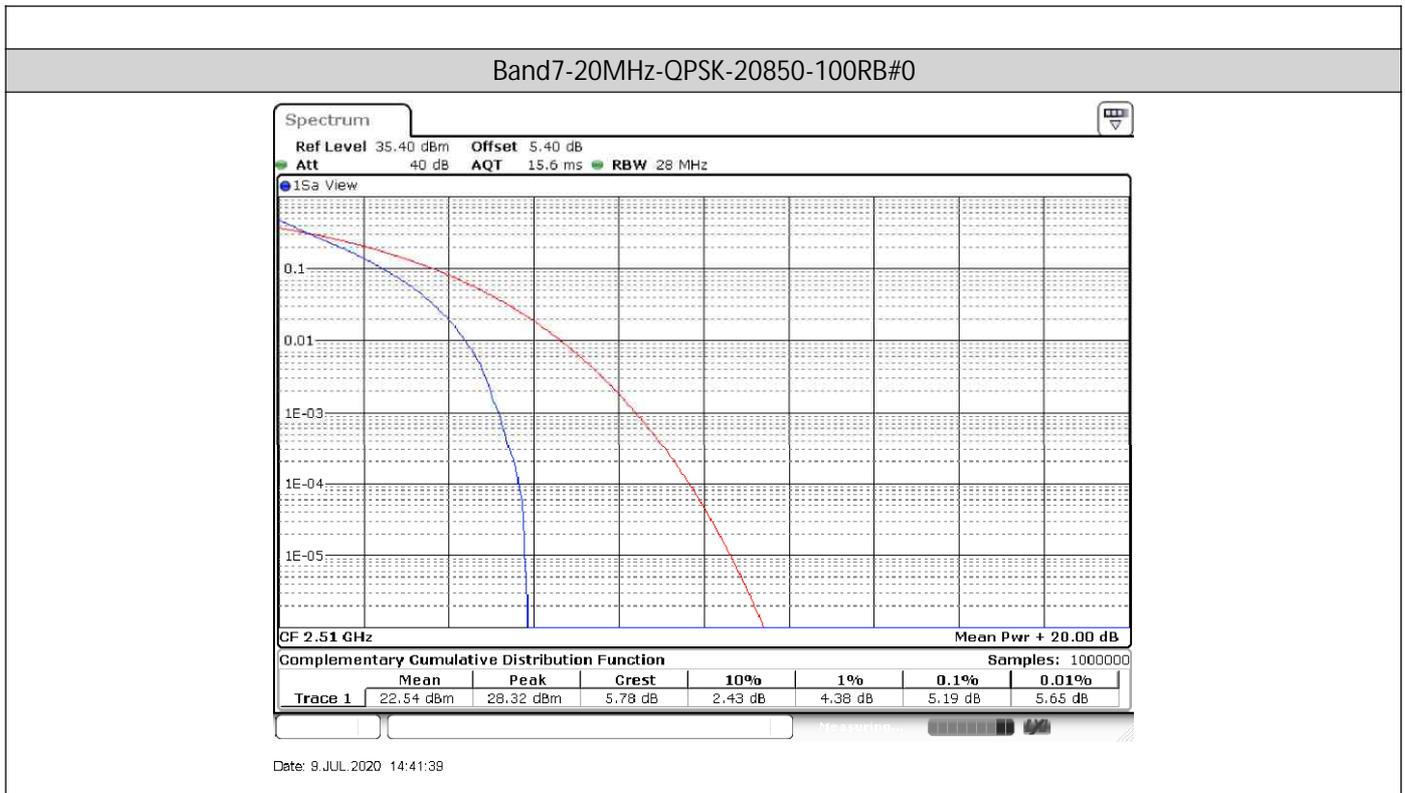


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.19	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.04	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.04	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.35	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.23	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.20	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.94	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.80	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.83	13	PASS

2.2. Test Plots

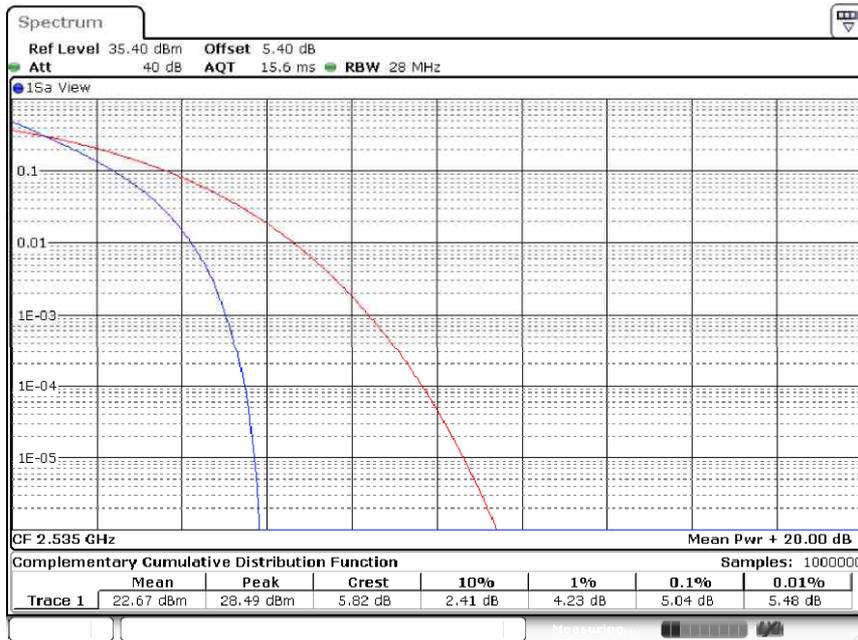


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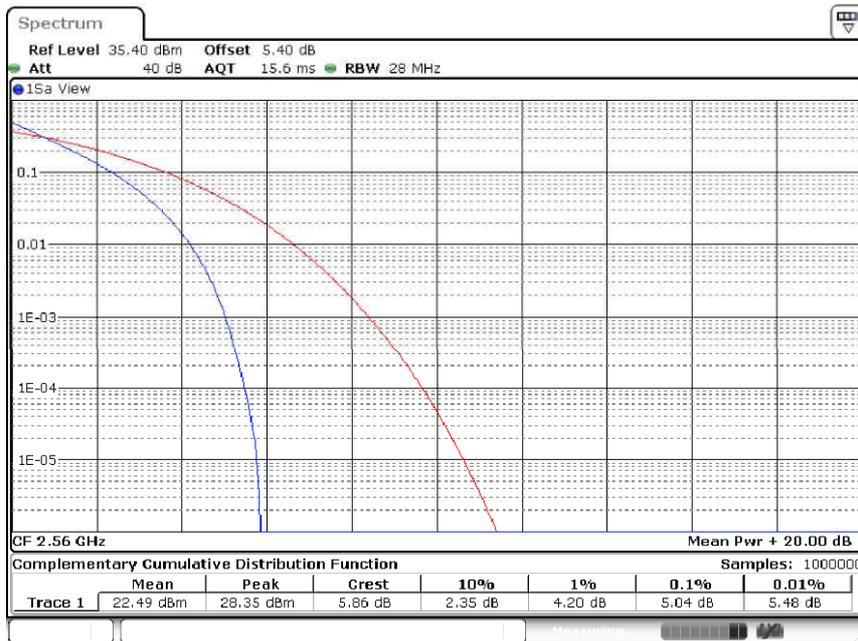
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Band7-20MHz-QPSK-21100-100RB#0



Date: 9.JUL.2020 14:42:01

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



Date: 9.JUL.2020 14:42:24



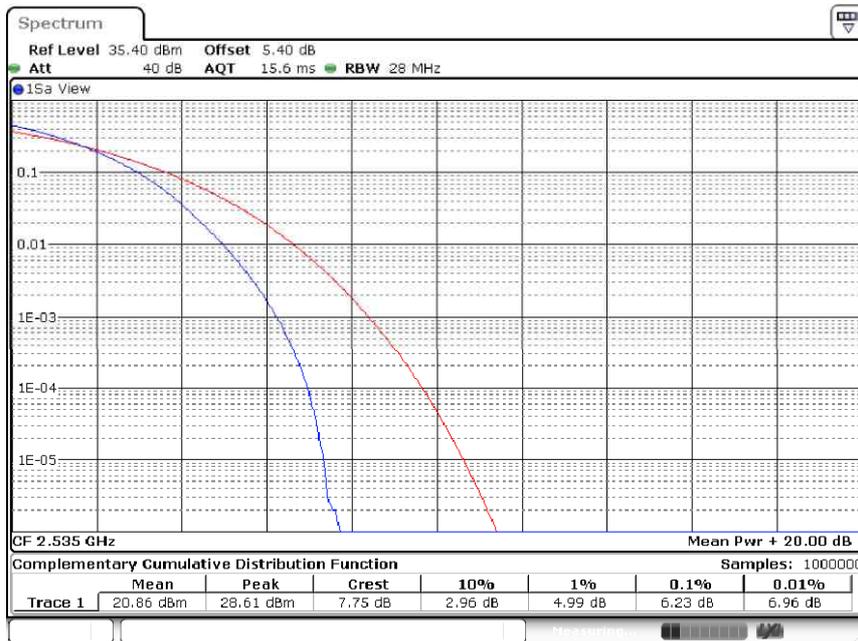
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Band7-20MHz-64QAM-20850-100RB#0



Date: 14.JUL.2020 08:27:03

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



Date: 14.JUL.2020 08:27:14



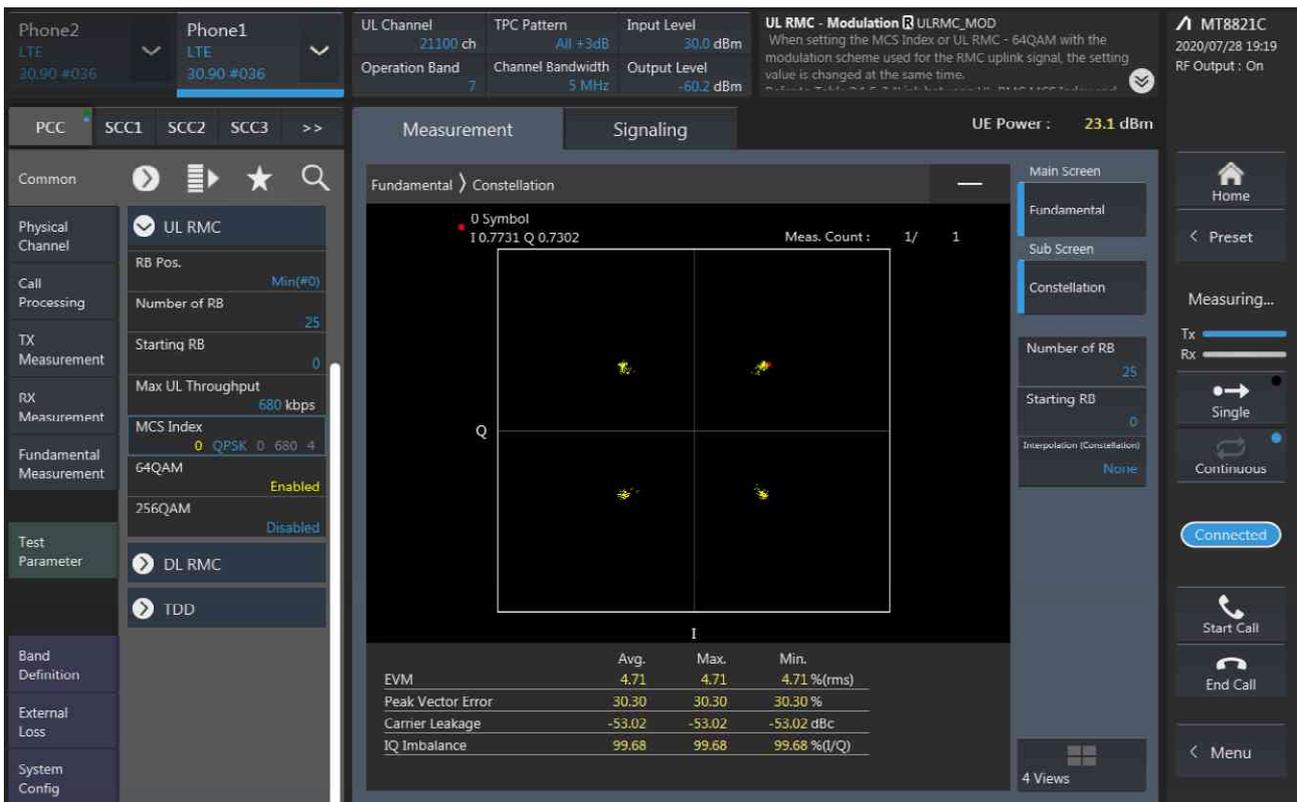
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH



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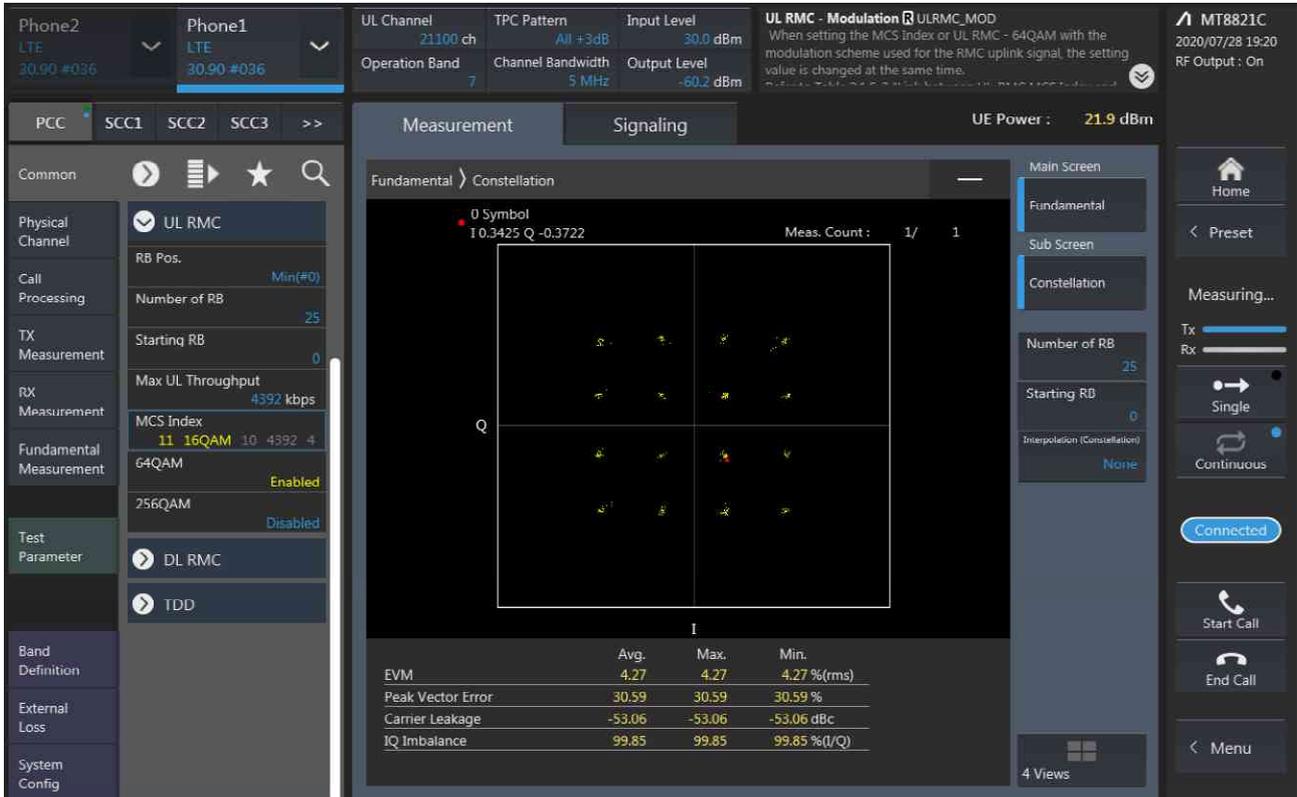
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3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH



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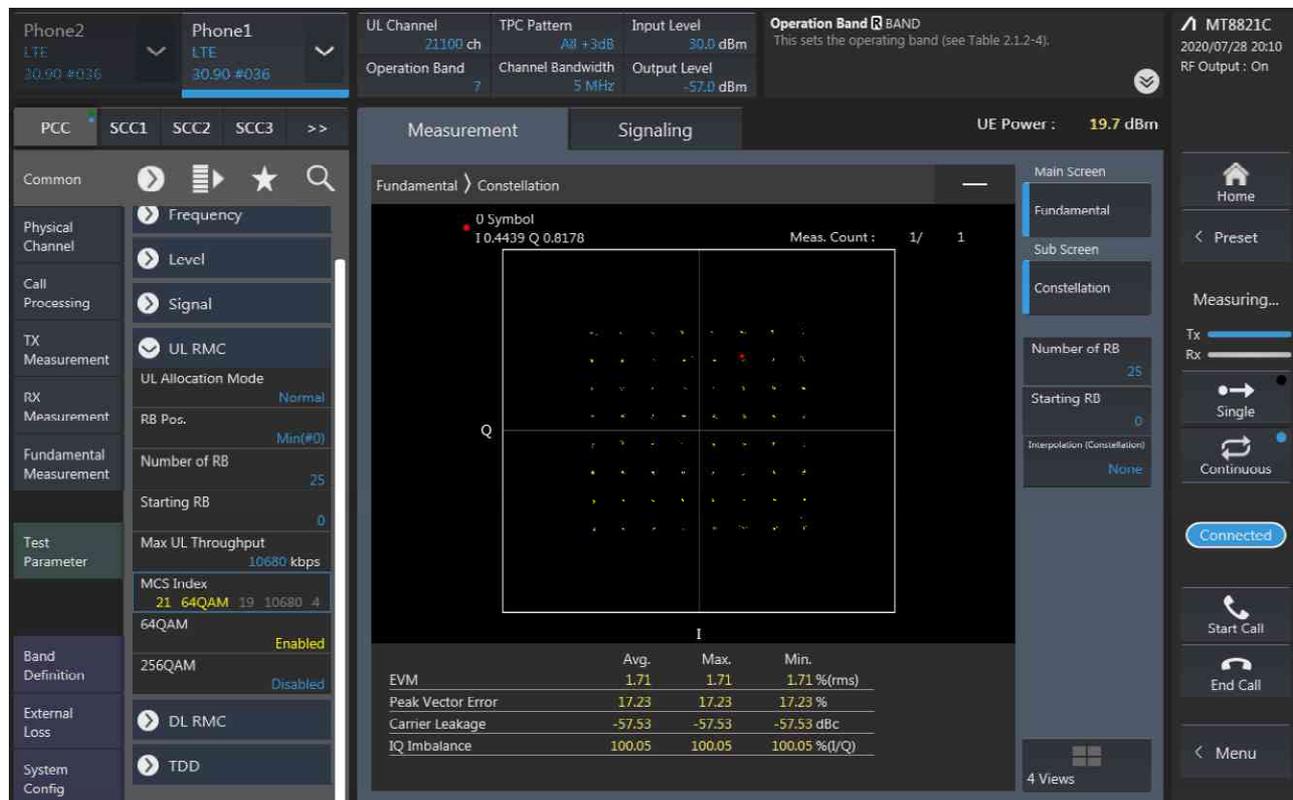
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3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH



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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.476	4.900	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.840	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.476	4.840	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.466	4.820	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.466	4.810	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.466	4.810	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.476	4.830	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.486	4.860	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.486	4.870	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.931	9.600	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.911	9.600	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.931	9.640	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.911	9.600	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.931	9.580	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.931	9.560	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.951	9.680	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.931	9.620	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.931	9.640	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.457	14.730	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.487	14.700	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.457	15.760	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.427	14.730	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.457	14.700	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.397	14.790	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.457	14.670	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.457	14.700	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.457	14.790	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.902	19.240	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.902	19.320	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.862	19.280	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.902	19.320	PASS



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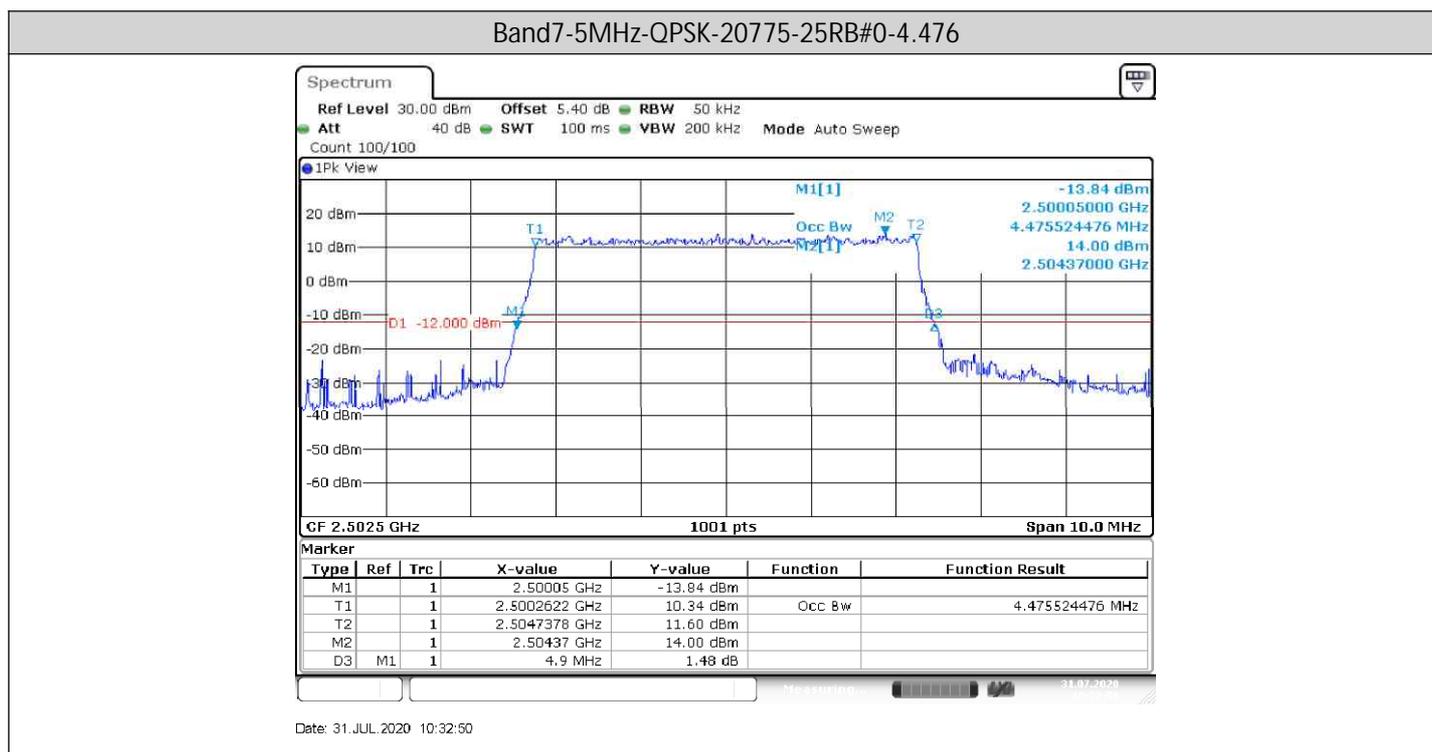
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Band7	20MHz	64QAM	21100	100RB#0	17.862	19.200	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.862	19.280	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.862	19.320	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.902	19.280	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.902	19.280	PASS

4.2. Test Plots



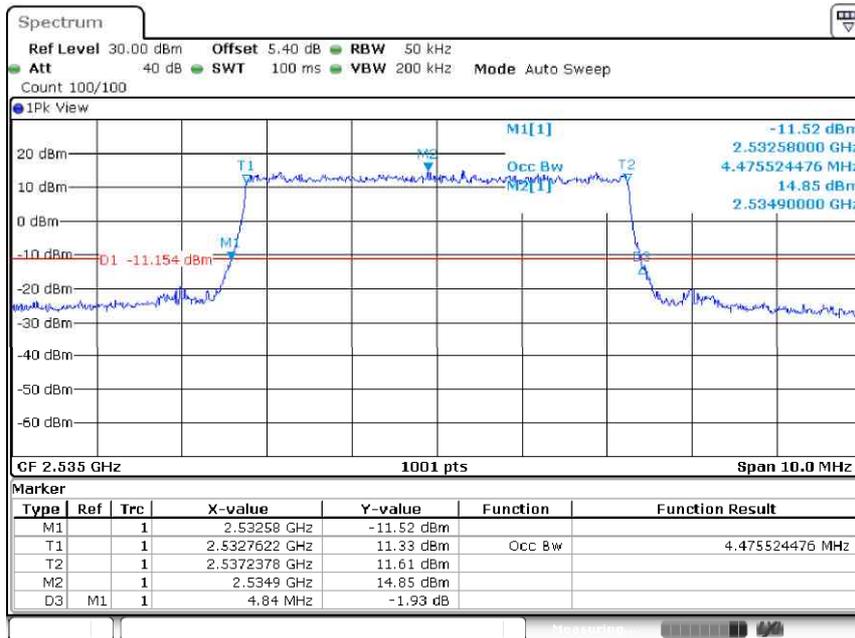
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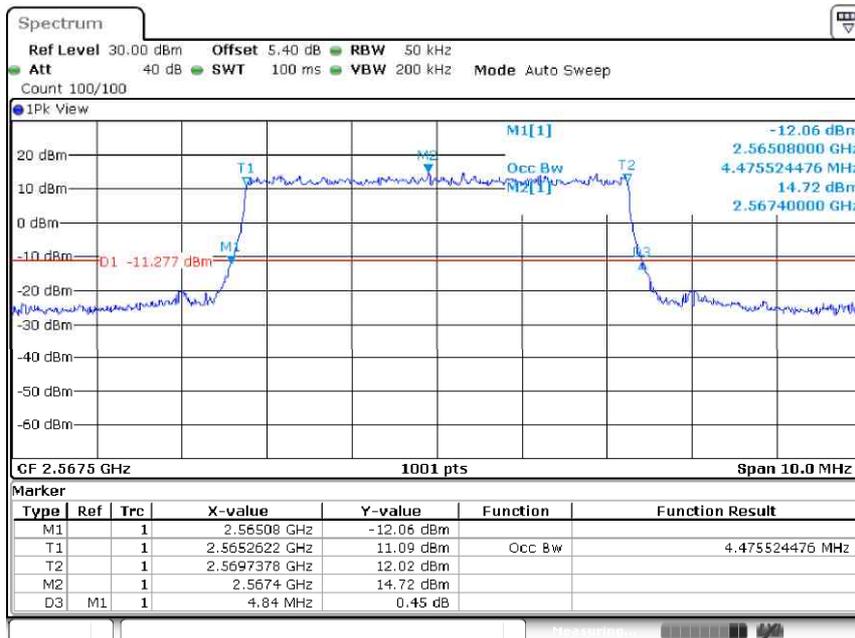


Band7-5MHz-QPSK-21100-25RB#0-4.476



Date: 9.JUL.2020 14:20:31

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



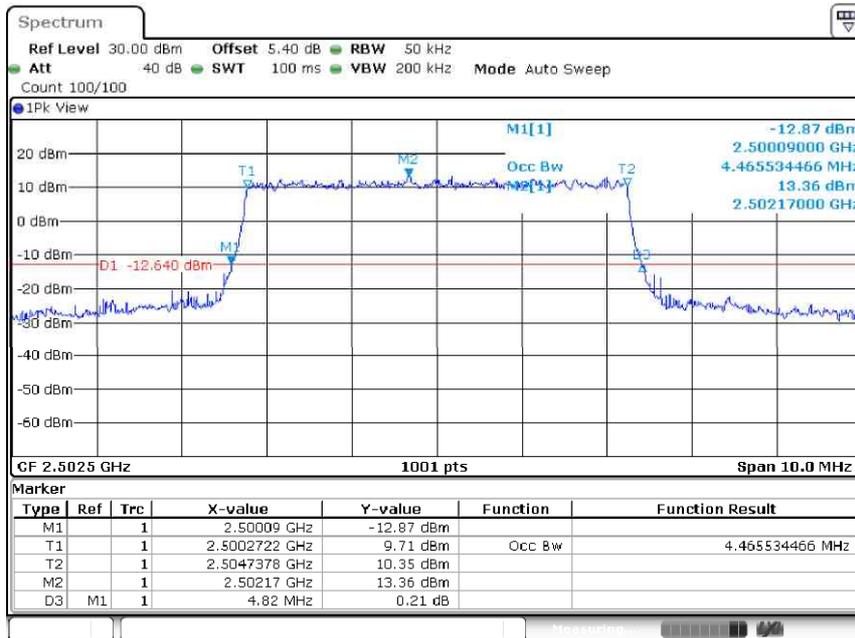
Date: 9.JUL.2020 14:21:10



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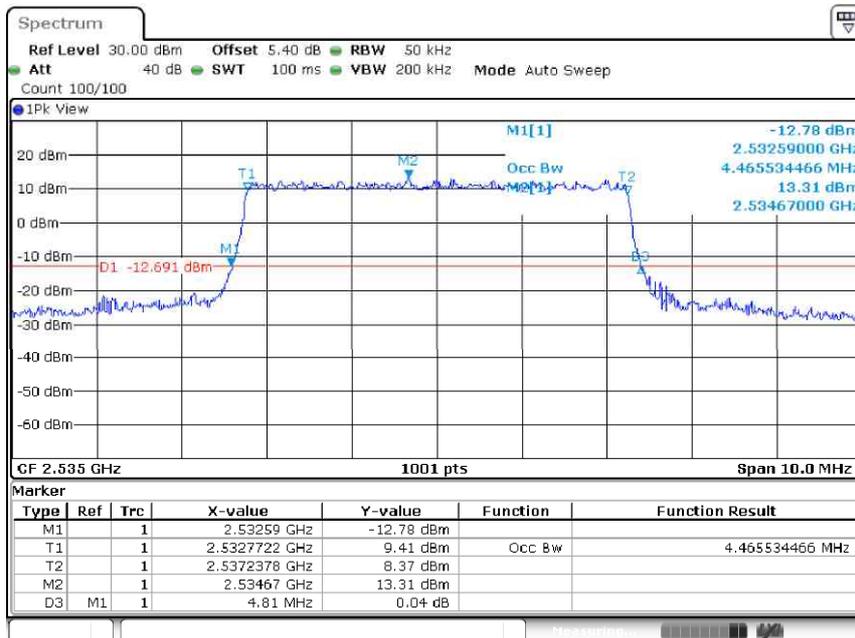


Band7-5MHz-64QAM-20775-25RB#0-4.466



Date: 14.JUL.2020 07:54:07

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



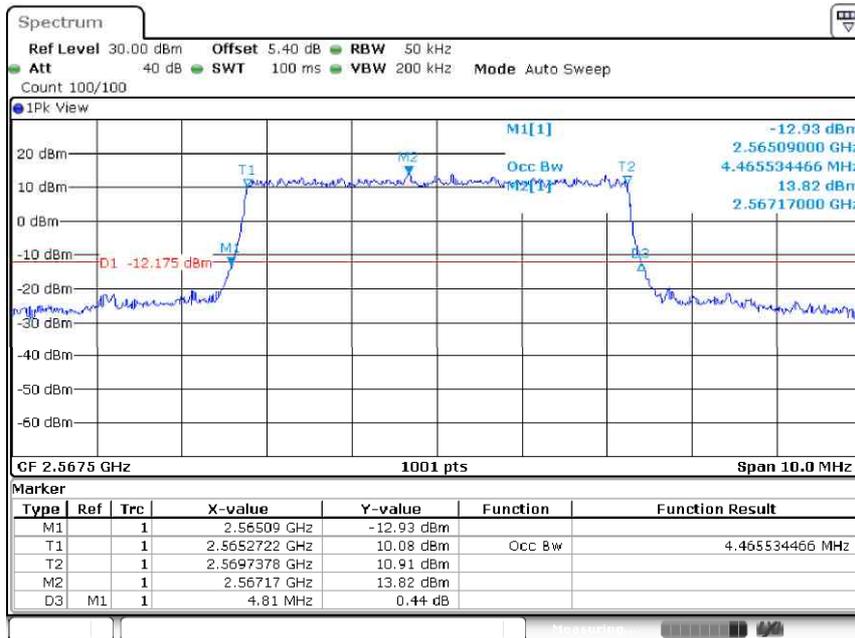
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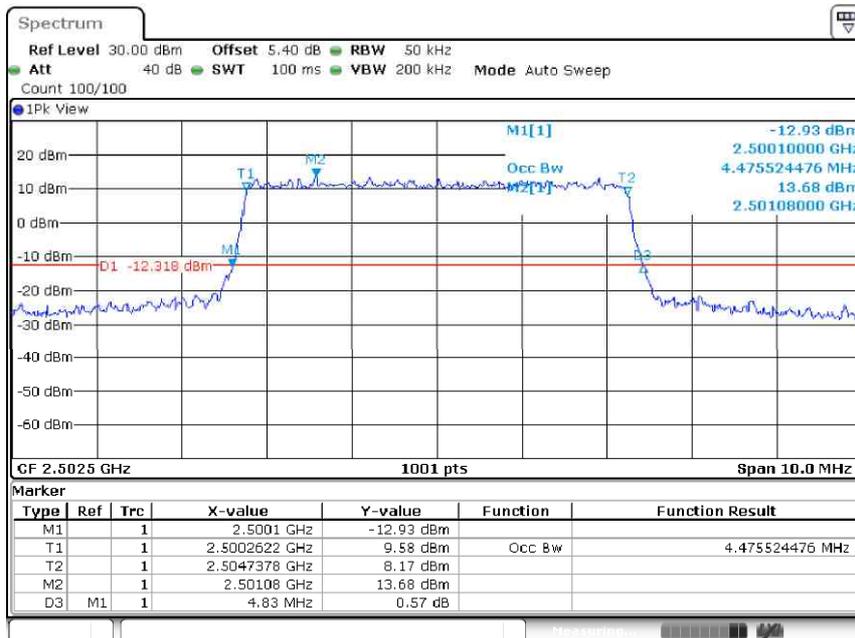


Band7-5MHz-64QAM-21425-25RB#0-4.466



Date: 14.JUL.2020 07:54:46

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



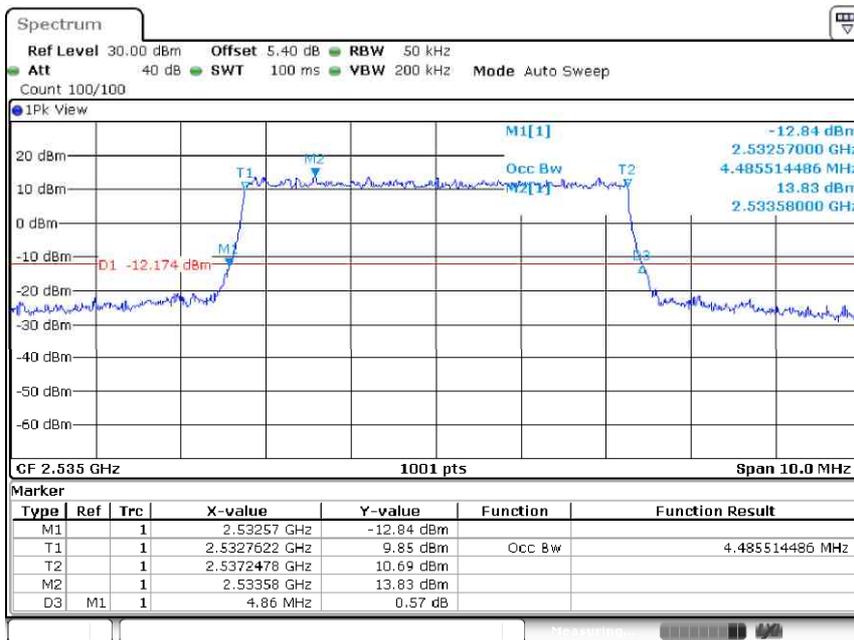
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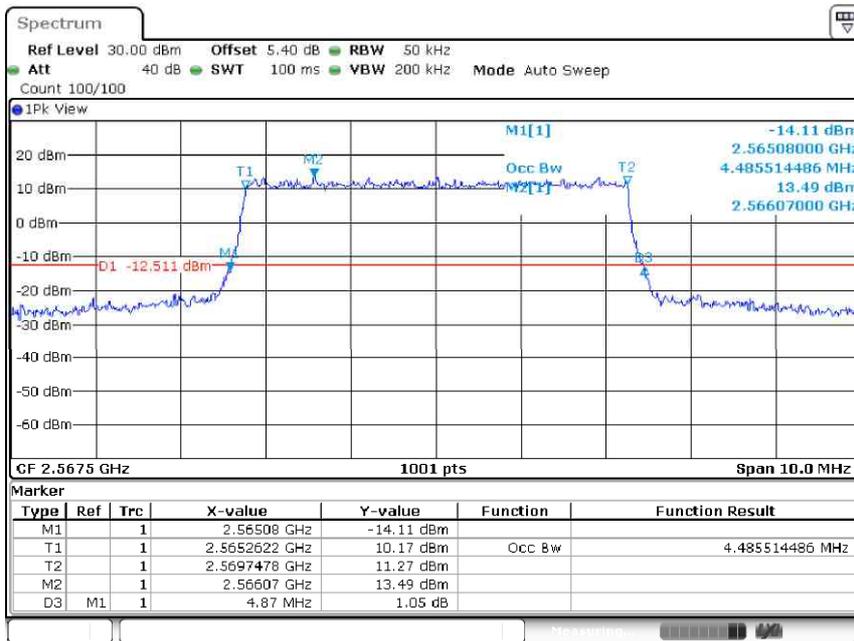


Band7-5MHz-16QAM-21100-25RB#0-4.486



Date: 9.JUL.2020 14:20:50

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



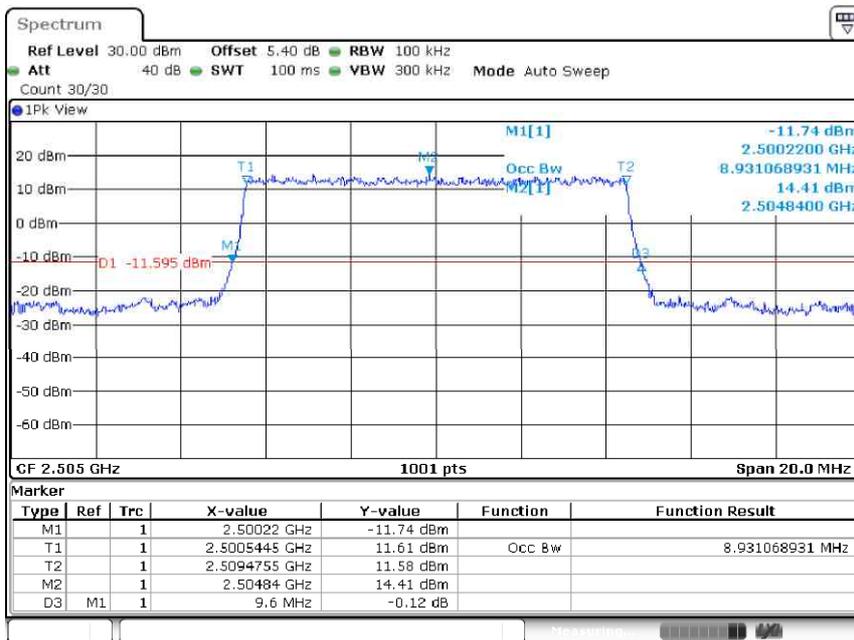
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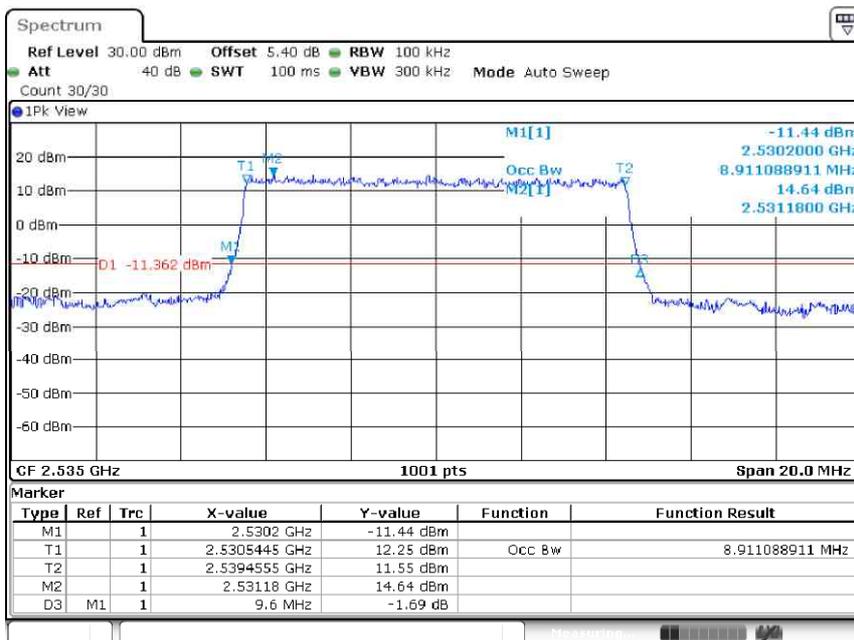


Band7-10MHz-QPSK-20800-50RB#0-8.931



Date: 9.JUL.2020 14:21:47

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



Date: 9.JUL.2020 14:22:13



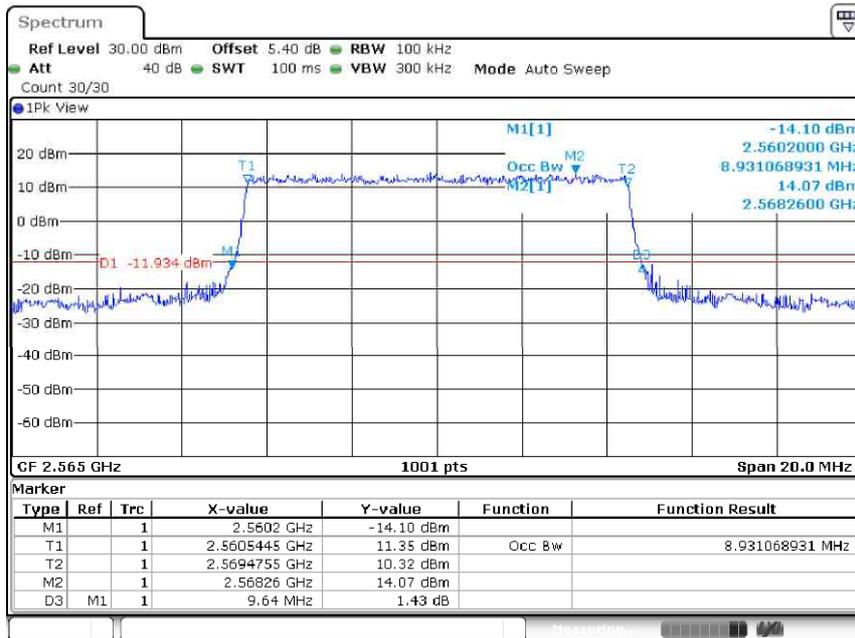
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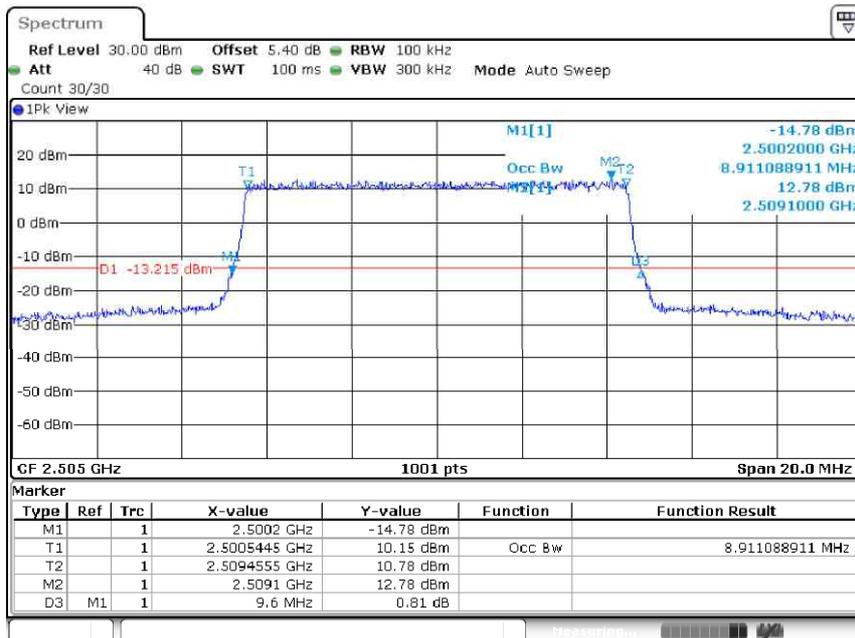


Band7-10MHz-QPSK-21400-50RB#0-8.931



Date: 9.JUL.2020 14:22:38

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



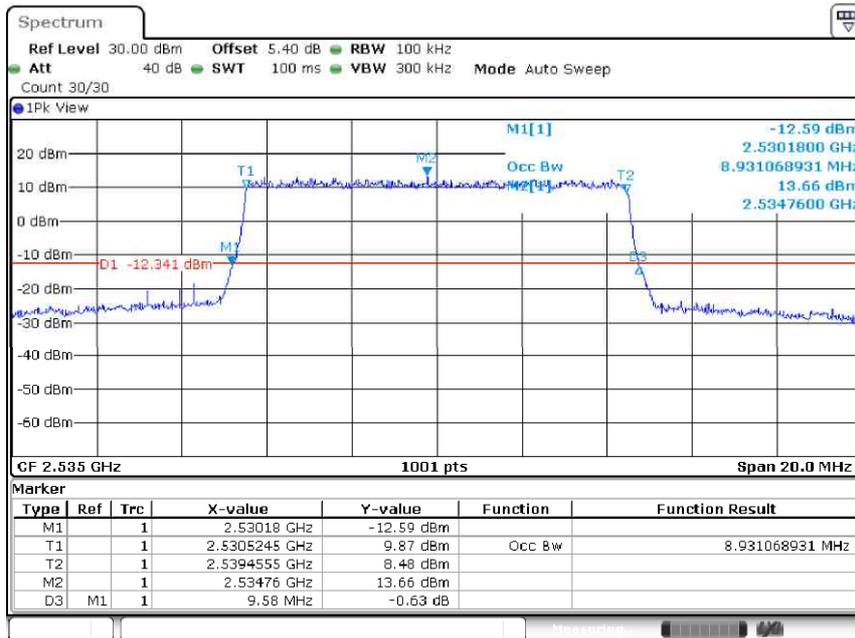
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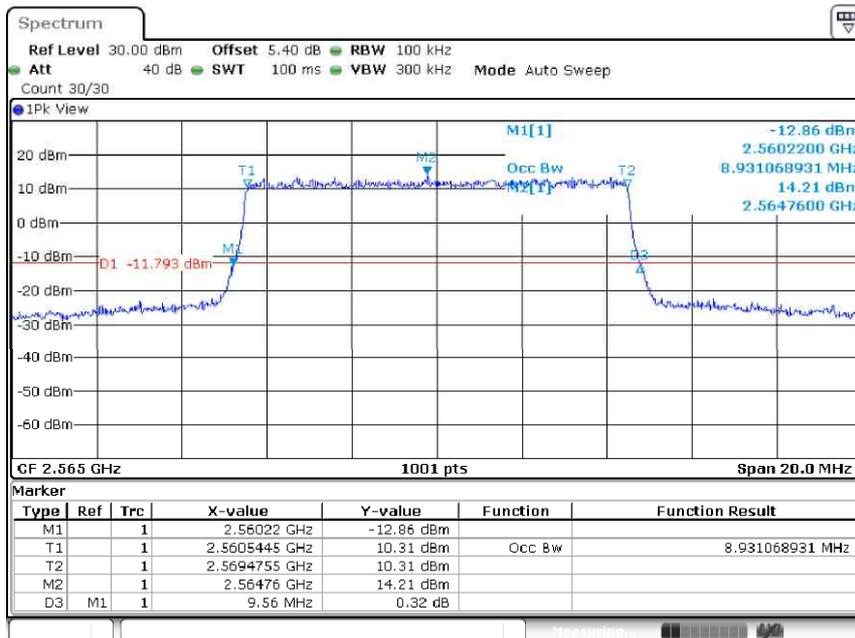


Band7-10MHz-64QAM-21100-50RB#0-8.931



Date: 14.JUL.2020 07:55:17

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



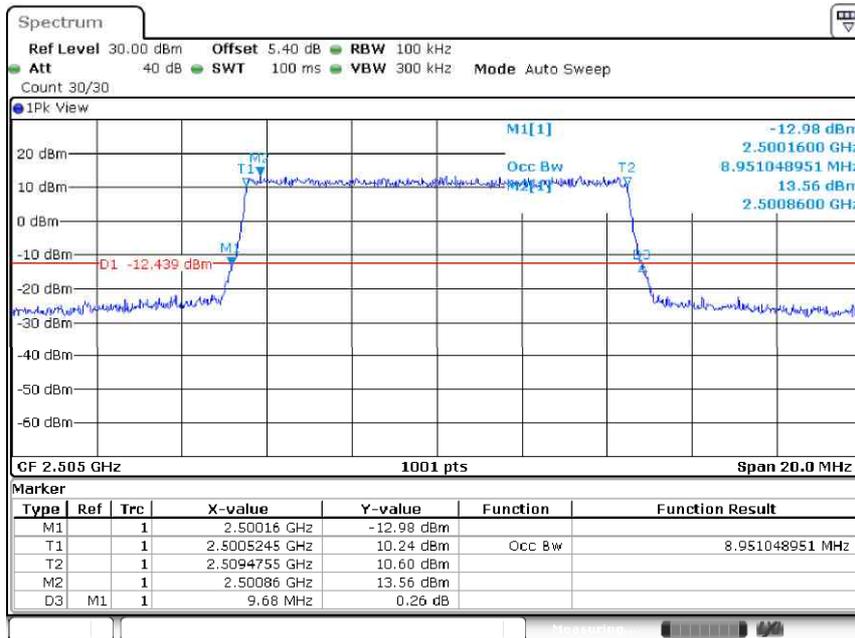
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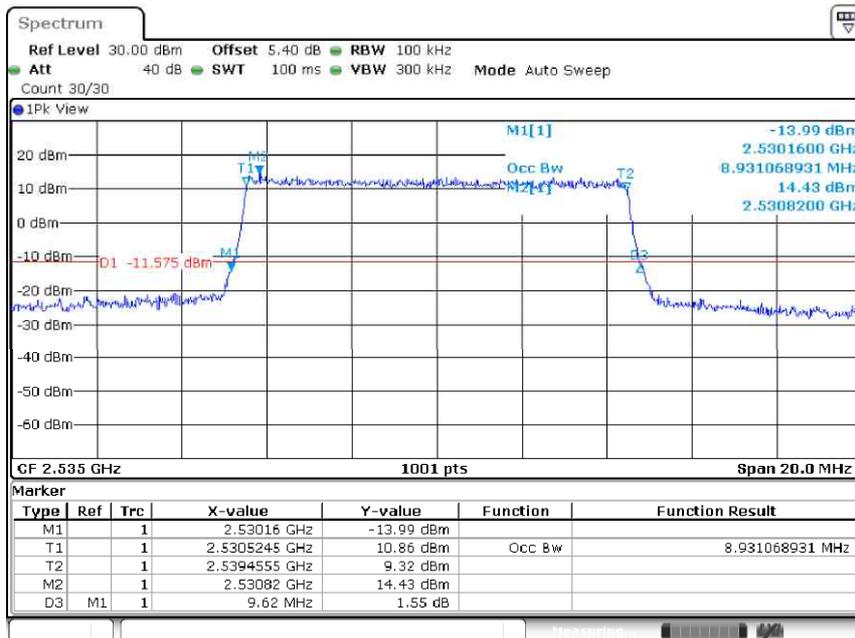


Band7-10MHz-16QAM-20800-50RB#0-8.951



Date: 9.JUL.2020 14:22:00

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



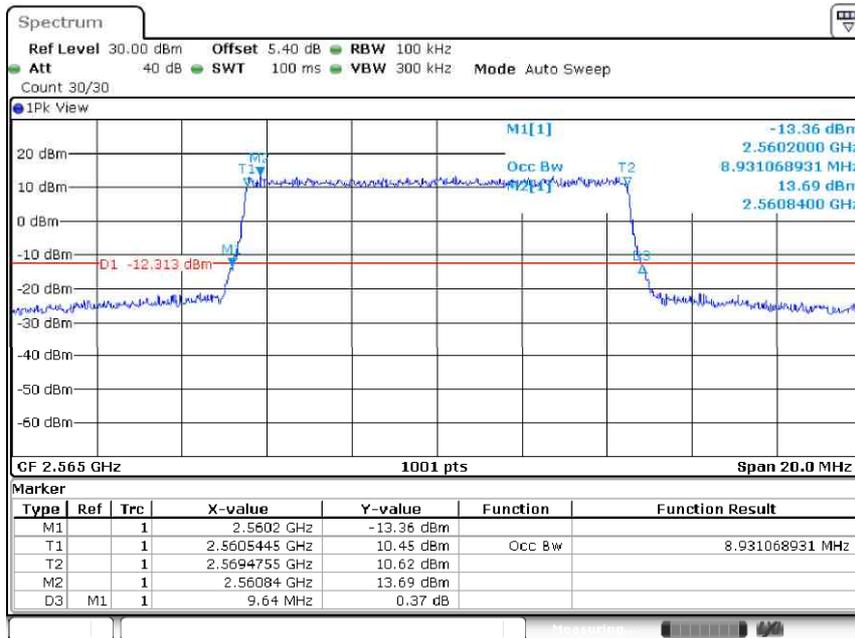
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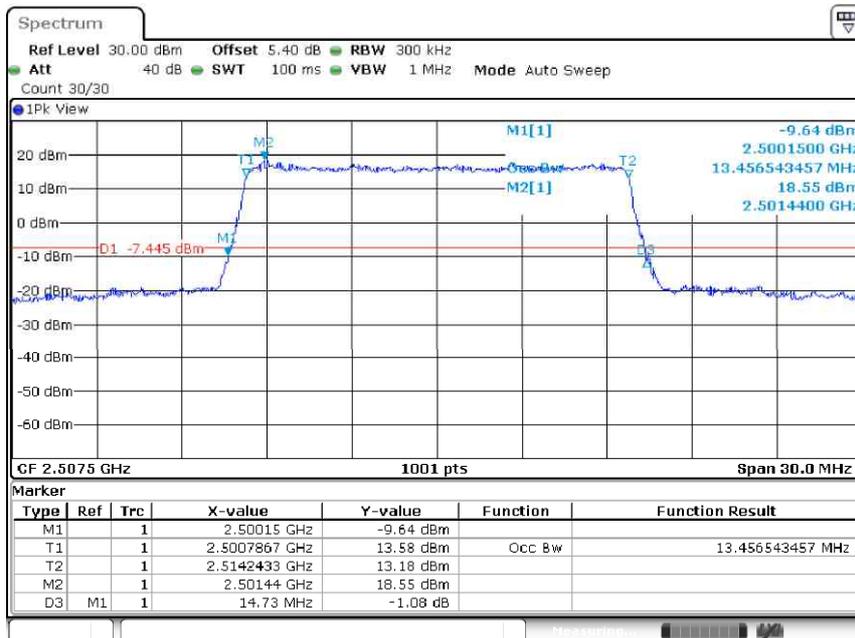


Band7-10MHz-16QAM-21400-50RB#0-8.931



Date: 9.JUL.2020 14:22:51

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



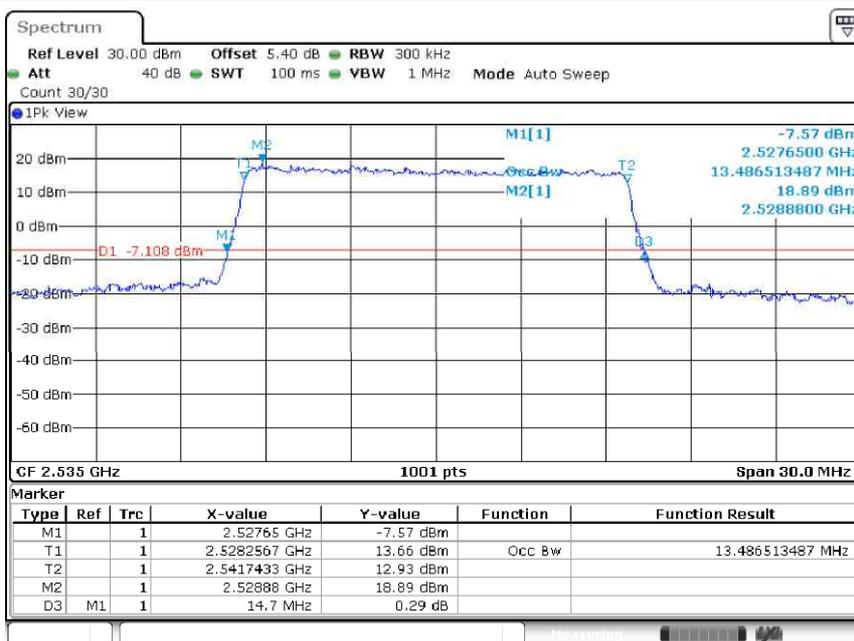
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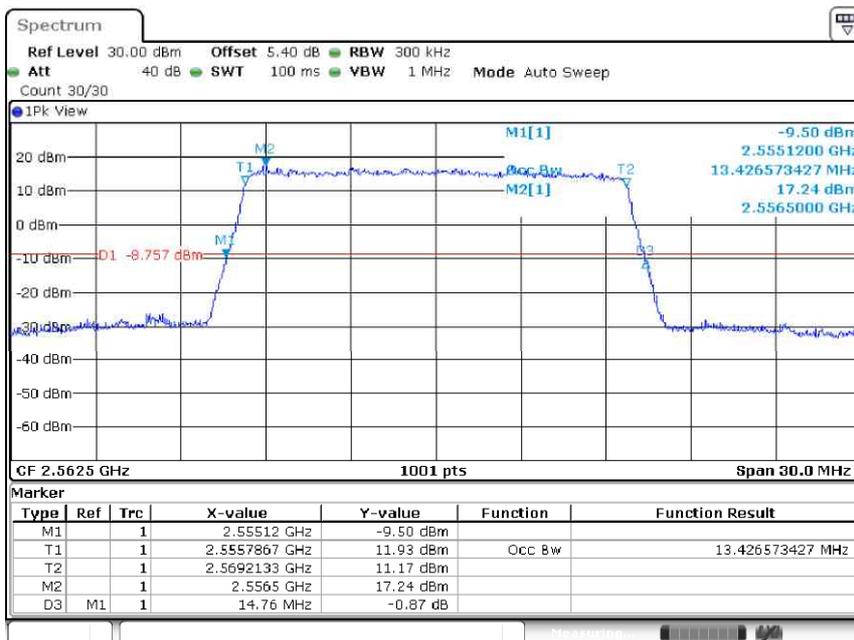


Band7-15MHz-QPSK-21100-75RB#0-13.487



Date: 9.JUL.2020 14:23:34

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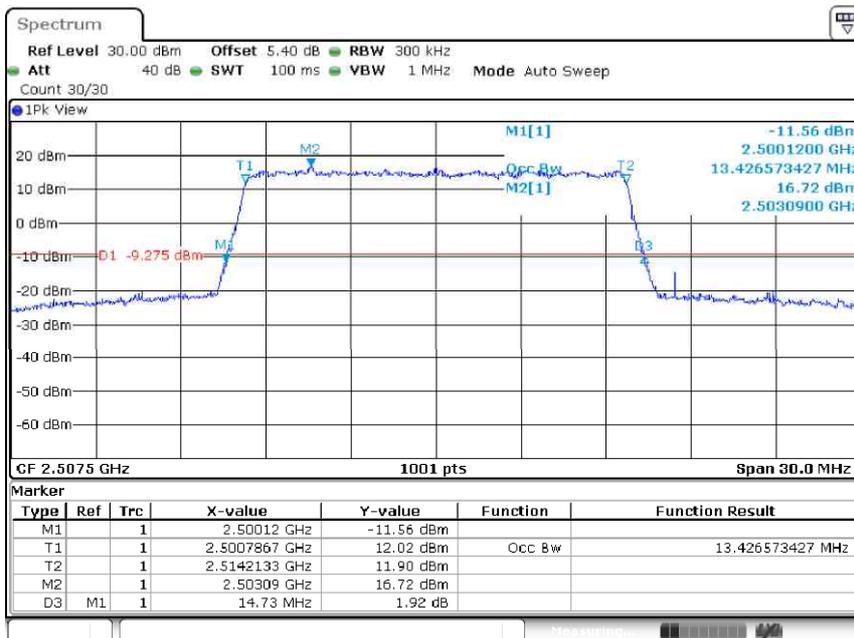
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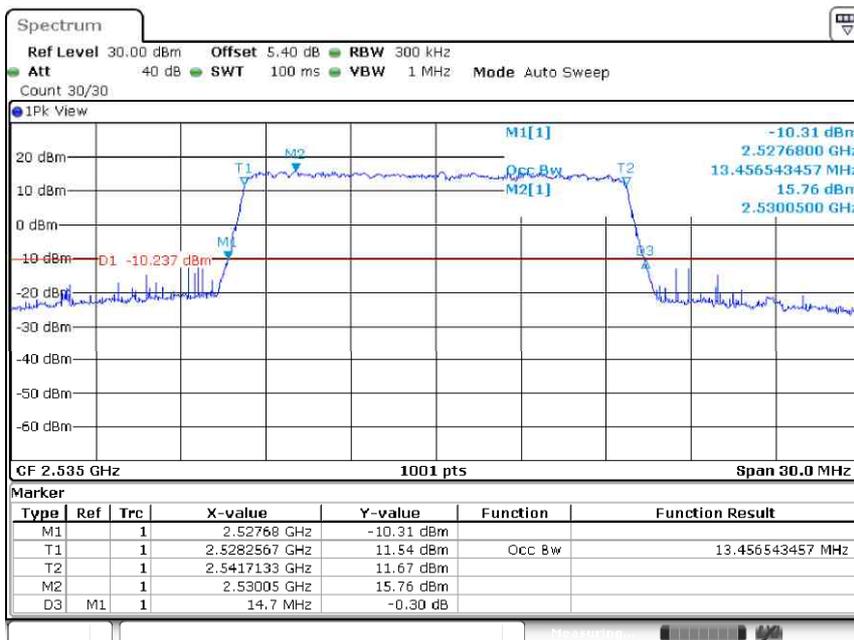


Band7-15MHz-64QAM-20825-75RB#0-13.427



Date: 14.JUL.2020 07:55:47

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



Date: 14.JUL.2020 07:56:00



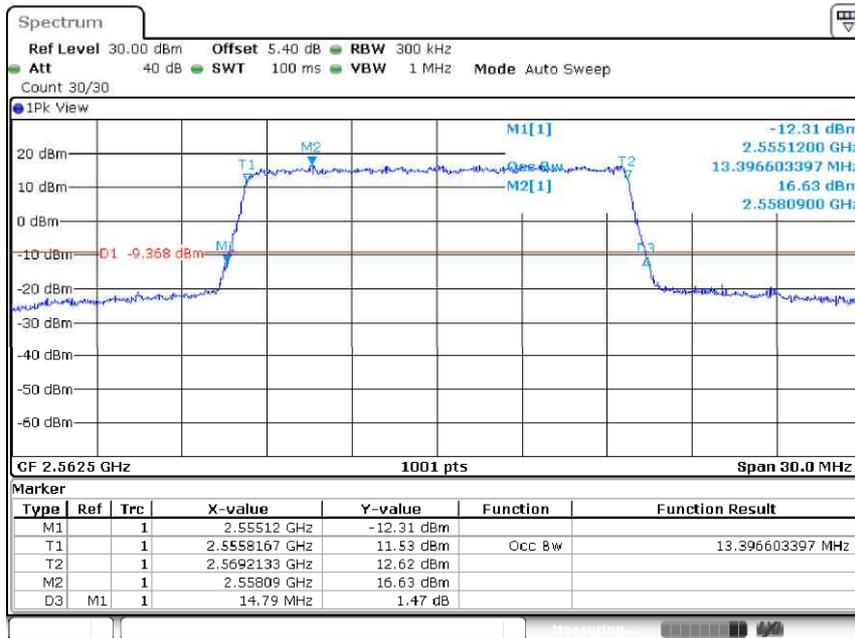
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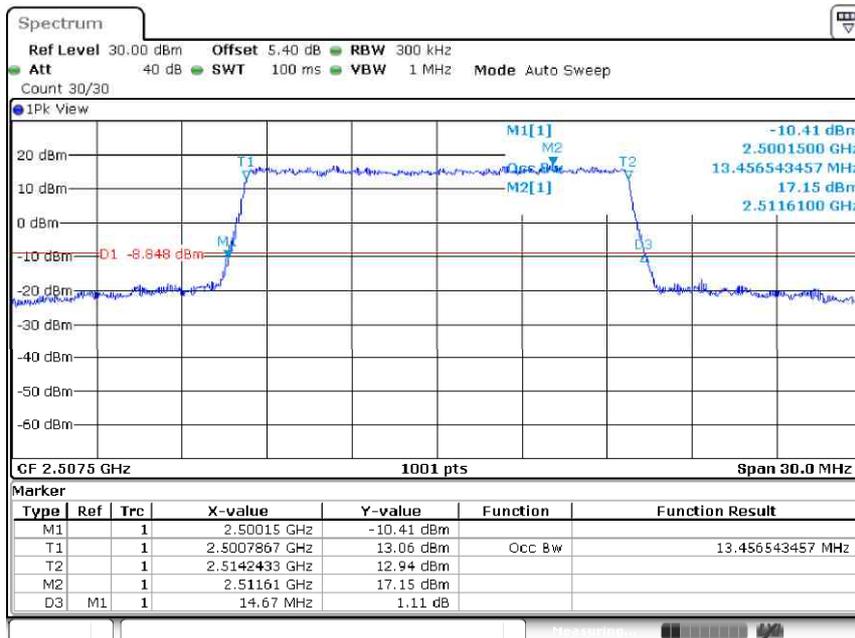


Band7-15MHz-64QAM-21375-75RB#0-13.397



Date: 14.JUL.2020 07:56:13

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



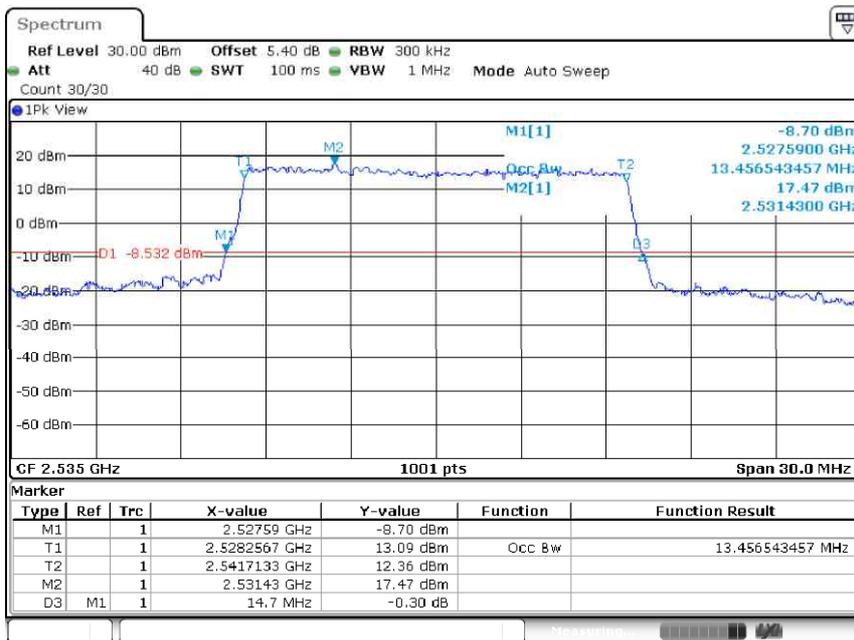
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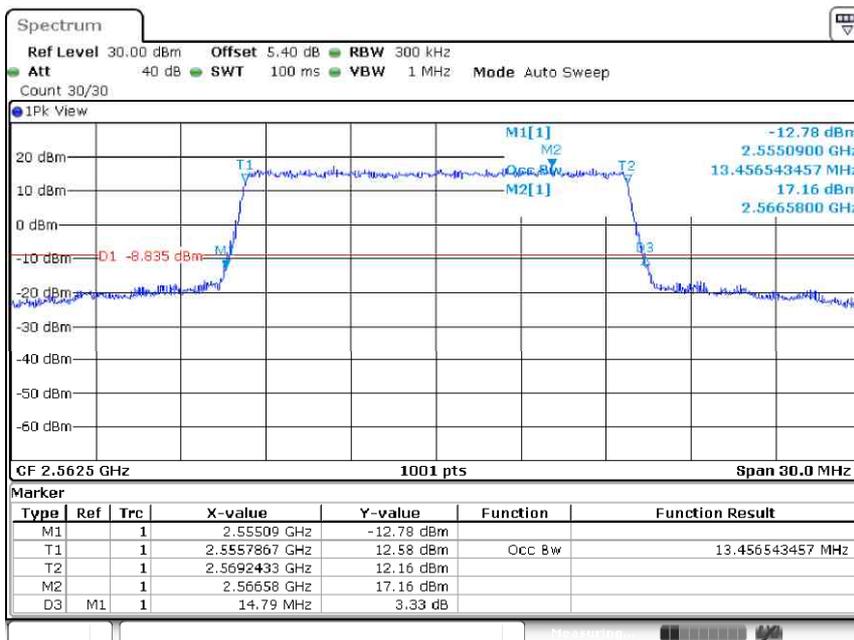


Band7-15MHz-16QAM-21100-75RB#0-13.457



Date: 9.JUL.2020 14:23:46

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

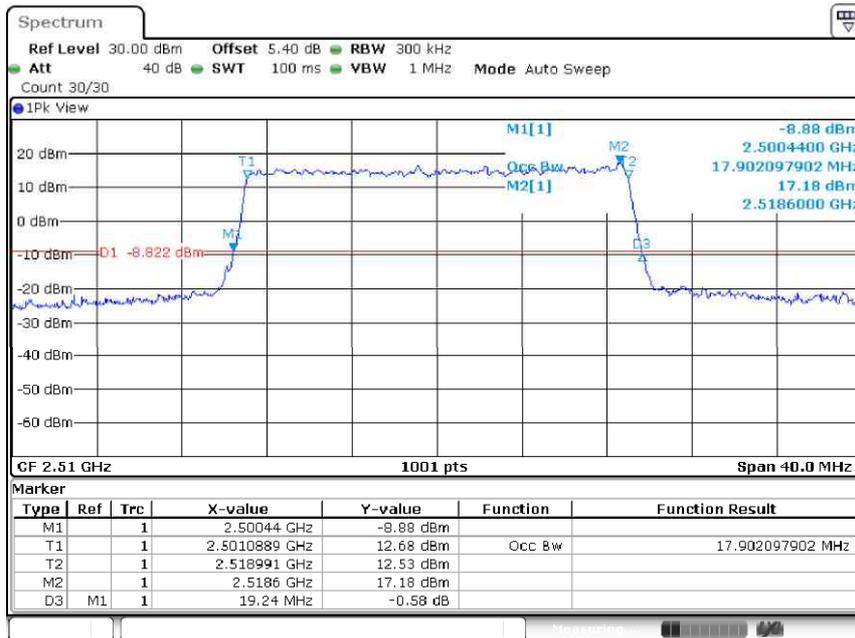


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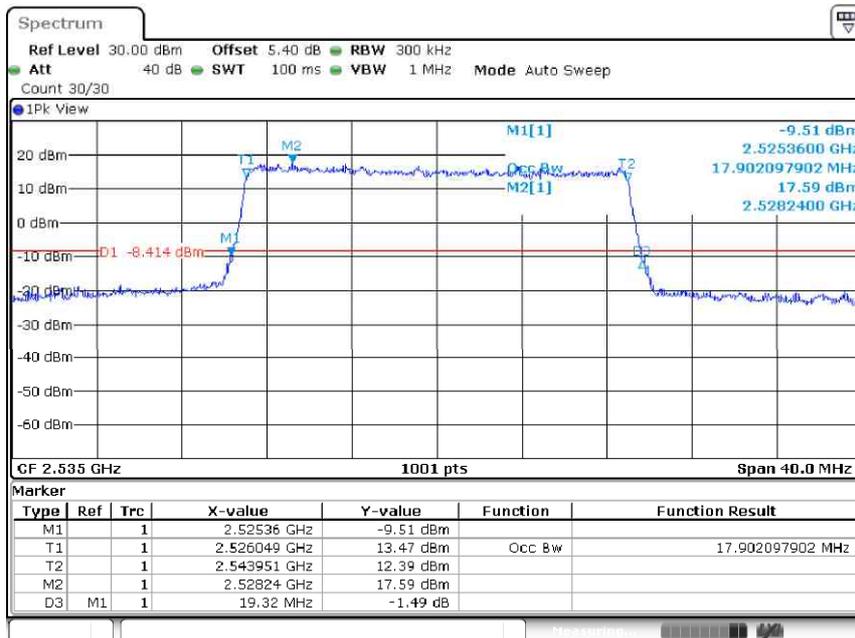
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Band7-20MHz-QPSK-20850-100RB#0-17.902



Date: 9.JUL.2020 14:24:29

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



Date: 9.JUL.2020 14:24:54



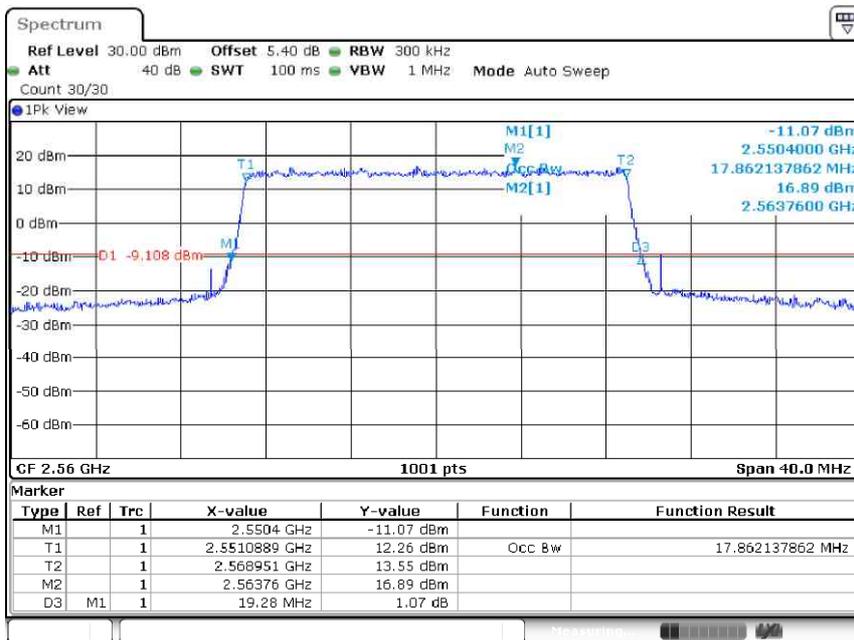
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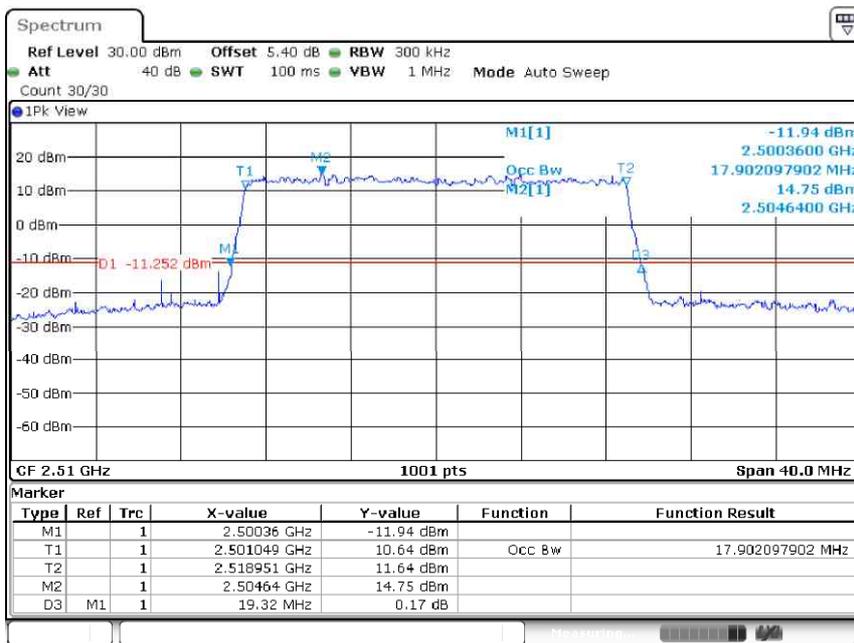


Band7-20MHz-QPSK-21350-100RB#0-17.862



Date: 9.JUL.2020 14:25:20

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



Date: 14.JUL.2020 07:56:30



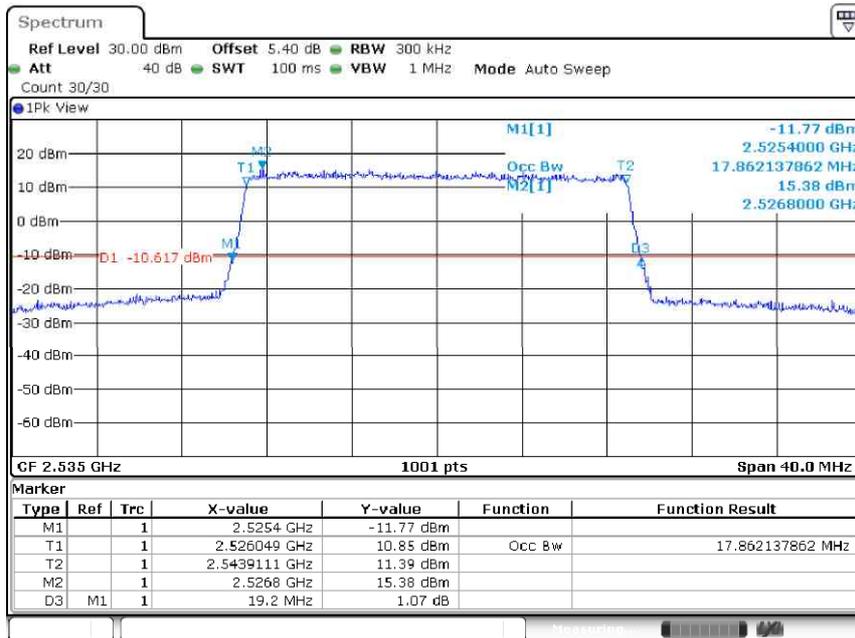
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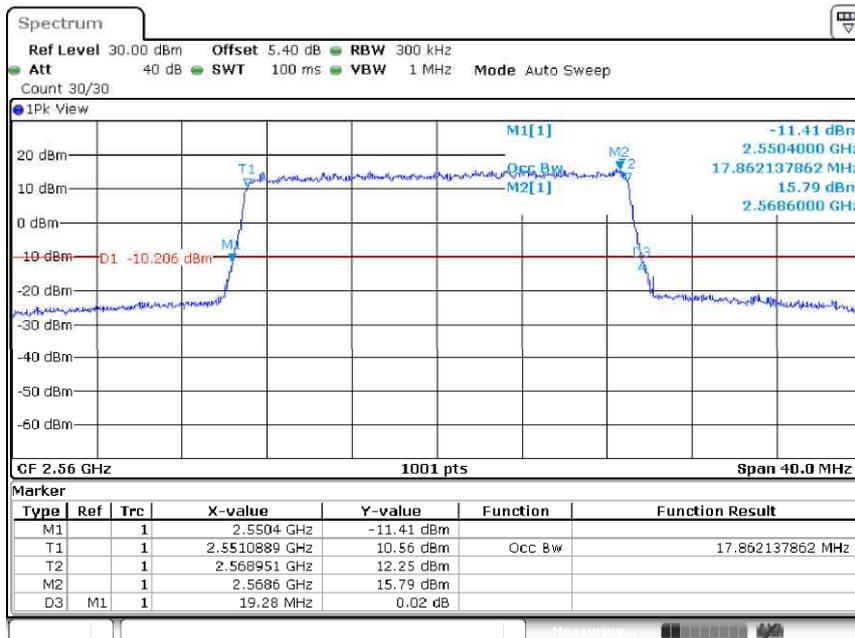


Band7-20MHz-64QAM-21100-100RB#0-17.862



Date: 14 JUL 2020 07:56:43

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



Date: 14 JUL 2020 07:56:56



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5. Band Edge Compliance

5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-54.12,-45.72,-15.19	PASS
Band7	5MHz	QPSK	20775	25RB#0	-48.93,-38.65,-26.92	PASS
Band7	5MHz	QPSK	21425	1RB#24	-52.40,-52.28,-15.40	PASS
Band7	5MHz	QPSK	21425	25RB#0	-41.69,-41.60,-26.80	PASS
Band7	5MHz	64QAM	20775	1RB#0	-53.96,-49.33,-16.37	PASS
Band7	5MHz	64QAM	20775	25RB#0	-50.93,-39.21,-28.36	PASS
Band7	5MHz	64QAM	21425	1RB#24	-53.12,-52.28,-15.81	PASS
Band7	5MHz	64QAM	21425	25RB#0	-43.32,-41.16,-27.15	PASS
Band7	5MHz	16QAM	20775	1RB#0	-54.09,-47.16,-16.34	PASS
Band7	5MHz	16QAM	20775	25RB#0	-49.64,-39.30,-26.88	PASS
Band7	5MHz	16QAM	21425	1RB#24	-52.75,-52.22,-15.74	PASS
Band7	5MHz	16QAM	21425	25RB#0	-42.70,-41.00,-26.86	PASS
Band7	10MHz	QPSK	20800	1RB#0	-47.71,-45.75,-17.67	PASS
Band7	10MHz	QPSK	20800	50RB#0	-42.20,-32.10,-28.66	PASS
Band7	10MHz	QPSK	21400	1RB#49	-50.68,-45.48,-17.71	PASS
Band7	10MHz	QPSK	21400	50RB#0	-41.52,-32.42,-27.77	PASS
Band7	10MHz	64QAM	20800	1RB#0	-50.46,-46.57,-19.09	PASS
Band7	10MHz	64QAM	20800	50RB#0	-41.86,-33.52,-29.53	PASS
Band7	10MHz	64QAM	21400	1RB#49	-49.77,-45.64,-18.55	PASS
Band7	10MHz	64QAM	21400	50RB#0	-40.88,-33.94,-28.35	PASS
Band7	10MHz	16QAM	20800	1RB#0	-48.52,-46.05,-17.74	PASS
Band7	10MHz	16QAM	20800	50RB#0	-41.18,-32.86,-29.14	PASS
Band7	10MHz	16QAM	21400	1RB#49	-50.67,-45.99,-19.47	PASS
Band7	10MHz	16QAM	21400	50RB#0	-41.49,-33.63,-28.51	PASS
Band7	15MHz	QPSK	20825	1RB#0	-47.11,-43.29,-19.33	PASS
Band7	15MHz	QPSK	20825	75RB#0	-34.92,-32.29,-29.73	PASS
Band7	15MHz	QPSK	21375	1RB#74	-49.12,-42.48,-19.43	PASS
Band7	15MHz	QPSK	21375	75RB#0	-41.61,-31.37,-28.56	PASS
Band7	15MHz	64QAM	20825	1RB#0	-47.66,-44.16,-20.27	PASS
Band7	15MHz	64QAM	20825	75RB#0	-38.37,-33.43,-31.12	PASS
Band7	15MHz	64QAM	21375	1RB#74	-49.02,-42.26,-19.84	PASS
Band7	15MHz	64QAM	21375	75RB#0	-41.10,-32.49,-29.61	PASS



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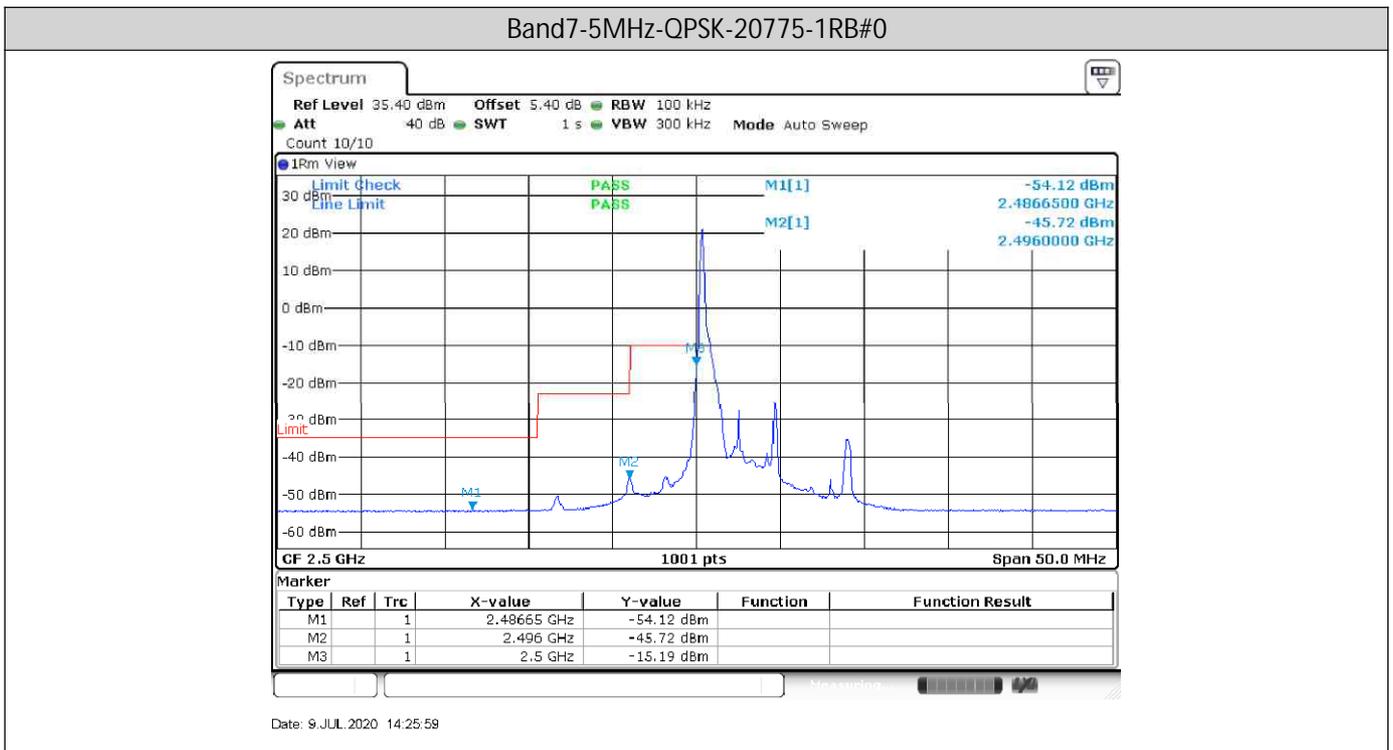
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Band7	15MHz	16QAM	20825	1RB#0	-47.25,-43.99,-20.43	PASS
Band7	15MHz	16QAM	20825	75RB#0	-36.69,-32.59,-30.08	PASS
Band7	15MHz	16QAM	21375	1RB#74	-49.07,-43.25,-19.25	PASS
Band7	15MHz	16QAM	21375	75RB#0	-41.71,-31.90,-28.99	PASS
Band7	20MHz	QPSK	20850	1RB#0	-43.09,-39.78,-18.34	PASS
Band7	20MHz	QPSK	20850	100RB#0	-33.27,-30.93,-28.86	PASS
Band7	20MHz	QPSK	21350	1RB#99	-47.02,-42.05,-18.62	PASS
Band7	20MHz	QPSK	21350	100RB#0	-42.00,-30.45,-27.80	PASS
Band7	20MHz	64QAM	20850	1RB#0	-46.12,-43.67,-19.98	PASS
Band7	20MHz	64QAM	20850	100RB#0	-34.46,-31.54,-29.64	PASS
Band7	20MHz	64QAM	21350	1RB#99	-46.94,-42.61,-19.25	PASS
Band7	20MHz	64QAM	21350	100RB#0	-40.30,-30.83,-28.72	PASS
Band7	20MHz	16QAM	20850	1RB#0	-45.44,-43.22,-18.80	PASS
Band7	20MHz	16QAM	20850	100RB#0	-34.04,-31.25,-29.25	PASS
Band7	20MHz	16QAM	21350	1RB#99	-47.02,-42.57,-20.81	PASS
Band7	20MHz	16QAM	21350	100RB#0	-40.89,-30.68,-28.38	PASS

5.2. Test Plots

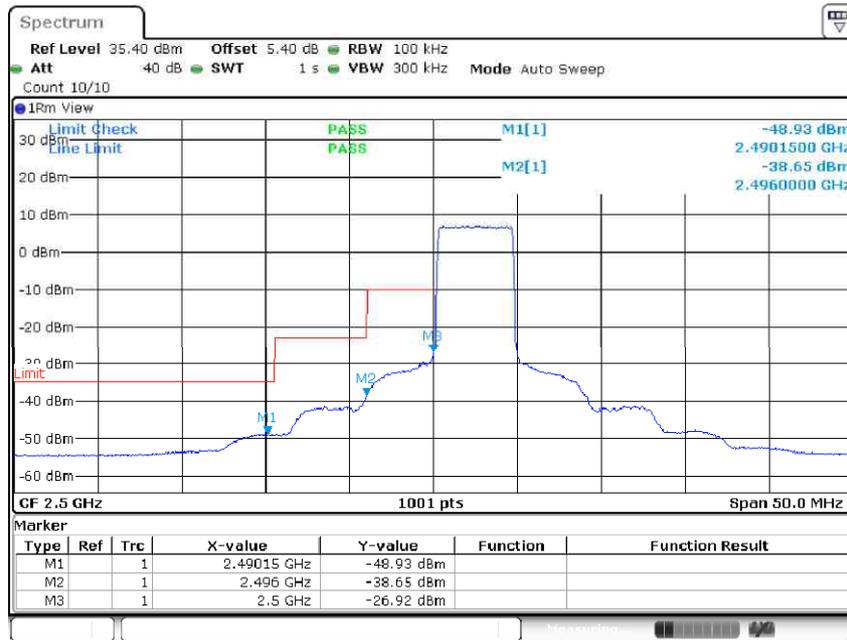


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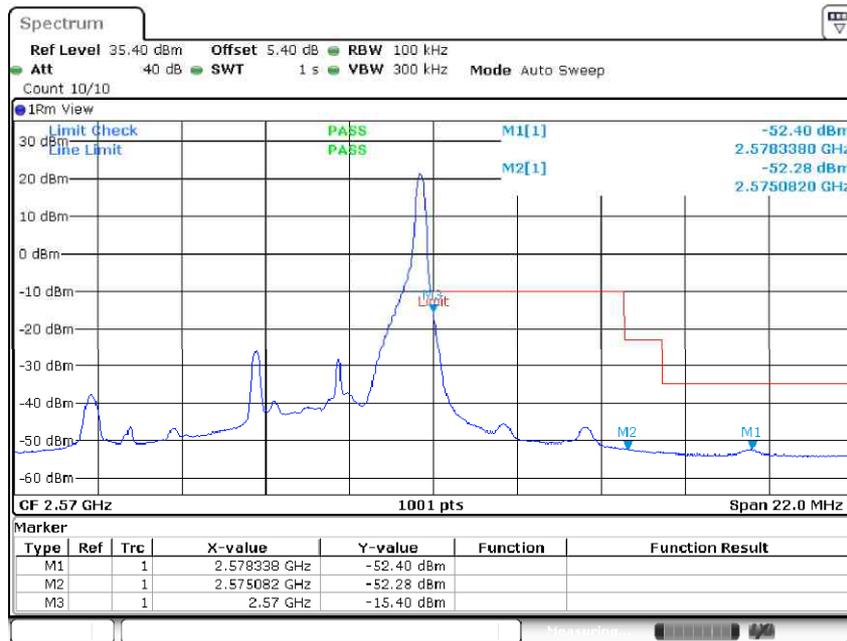


Band7-5MHz-QPSK-20775-25RB#0



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



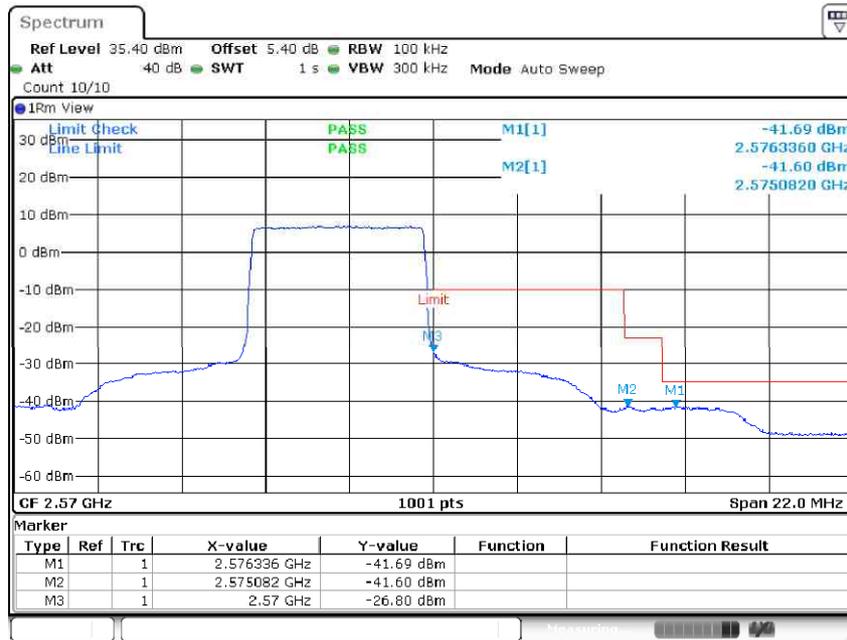
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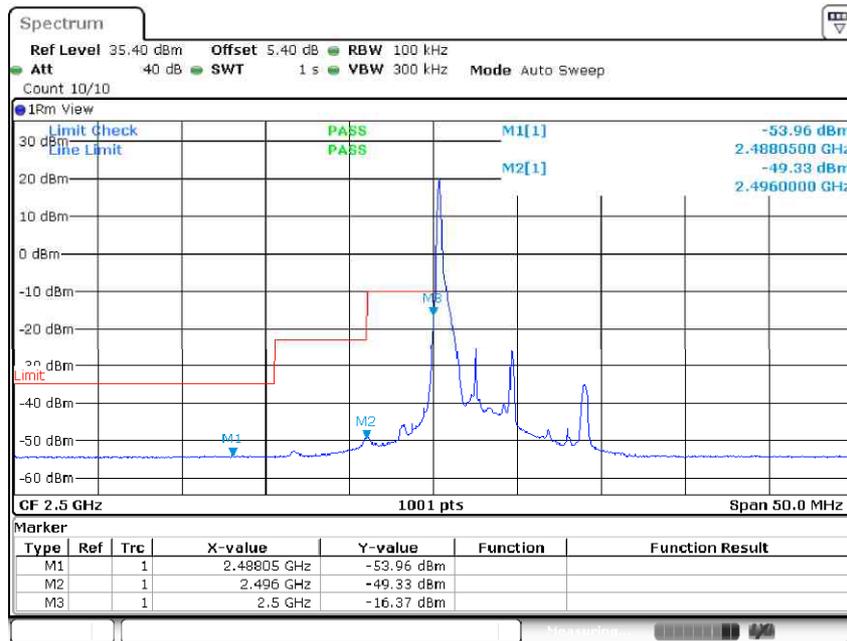


Band7-5MHz-QPSK-21425-25RB#0



Date: 9 JUL 2020 14:28:14

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



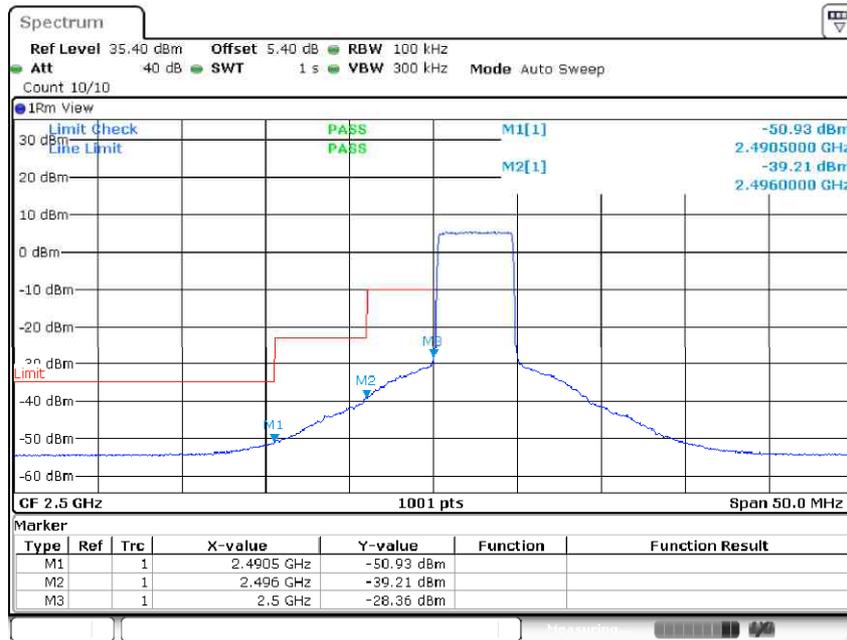
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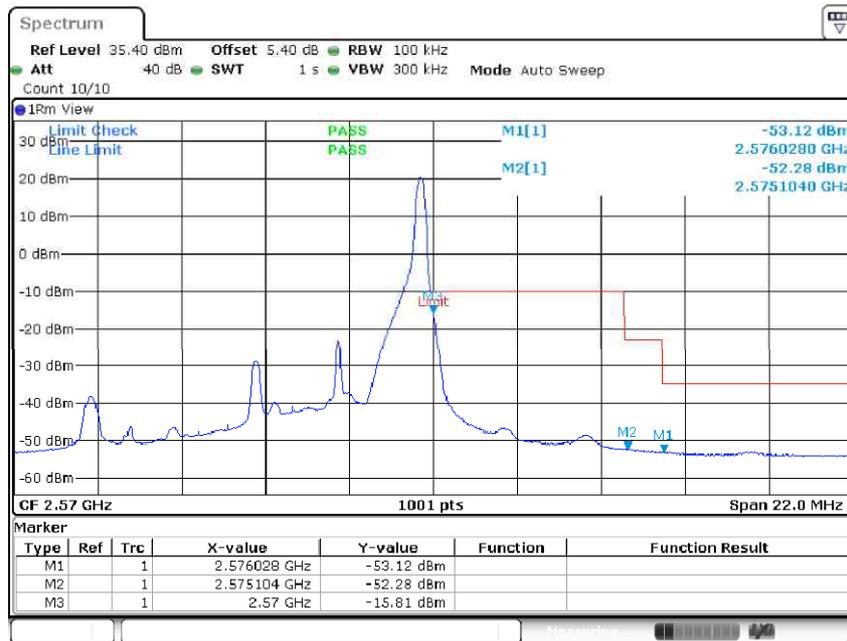


Band7-5MHz-64QAM-20775-25RB#0



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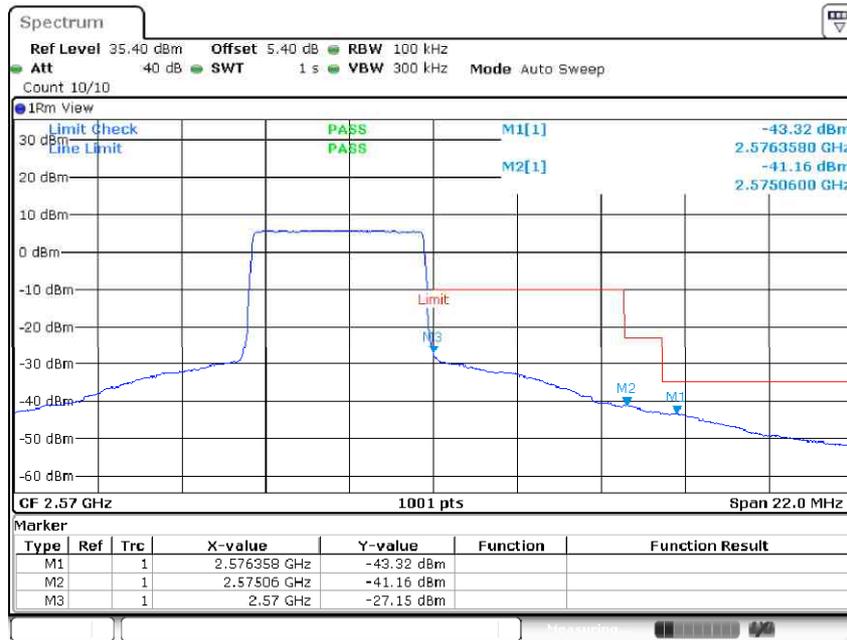
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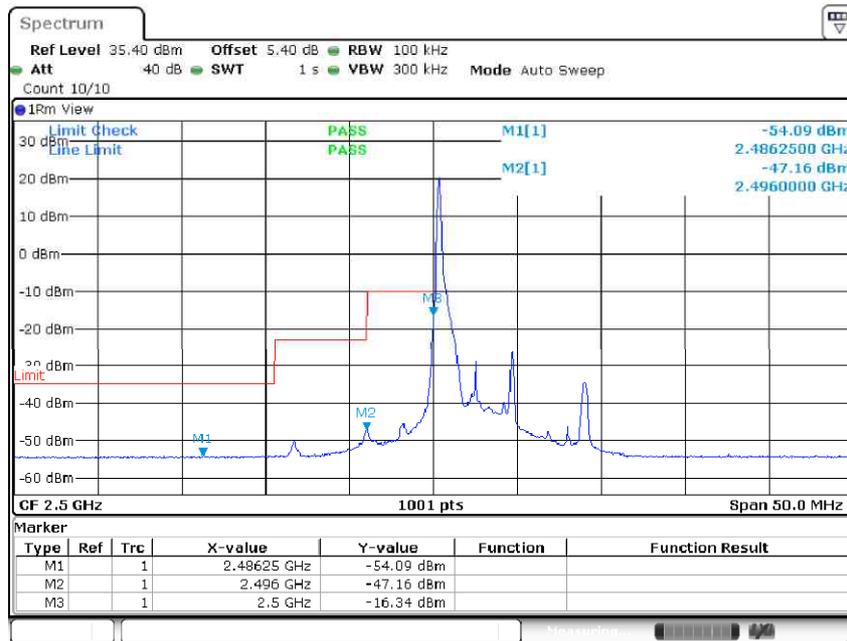


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Band7-5MHz-16QAM-20775-1RB#0



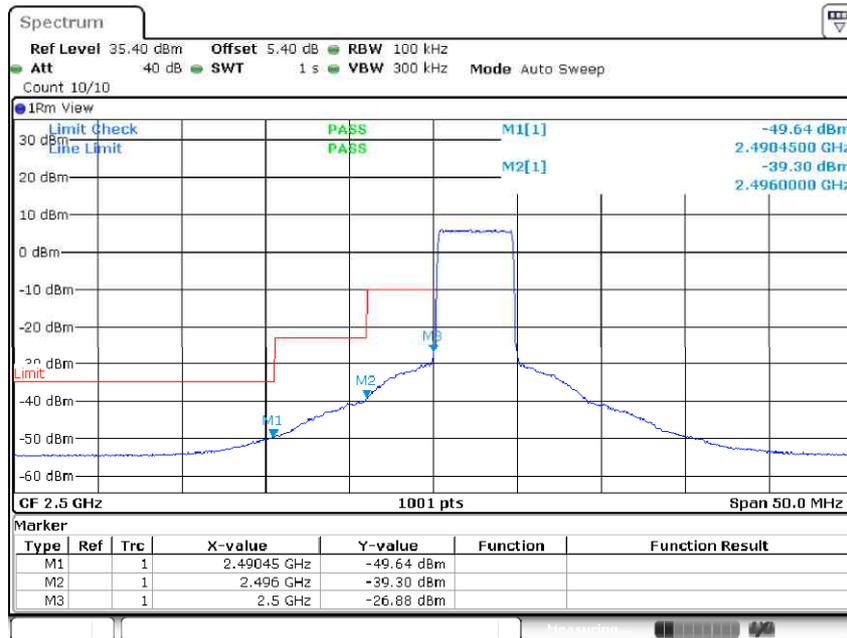
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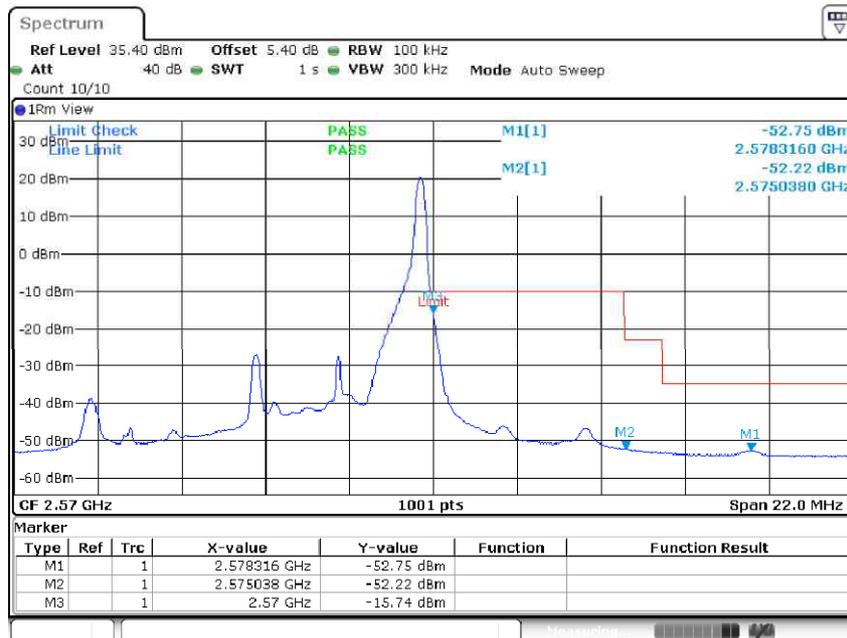


Band7-5MHz-16QAM-20775-25RB#0



Date: 9 JUL 2020 14:27:53

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



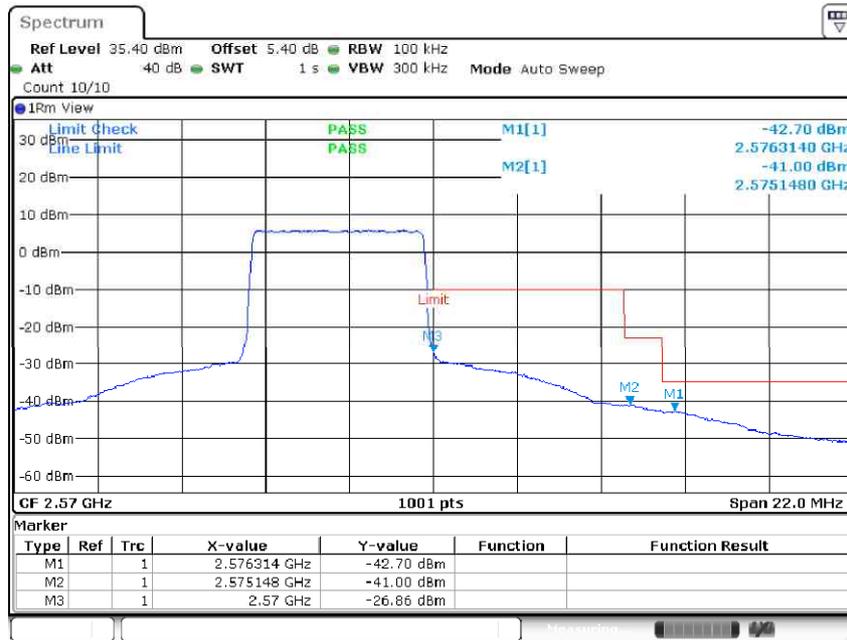
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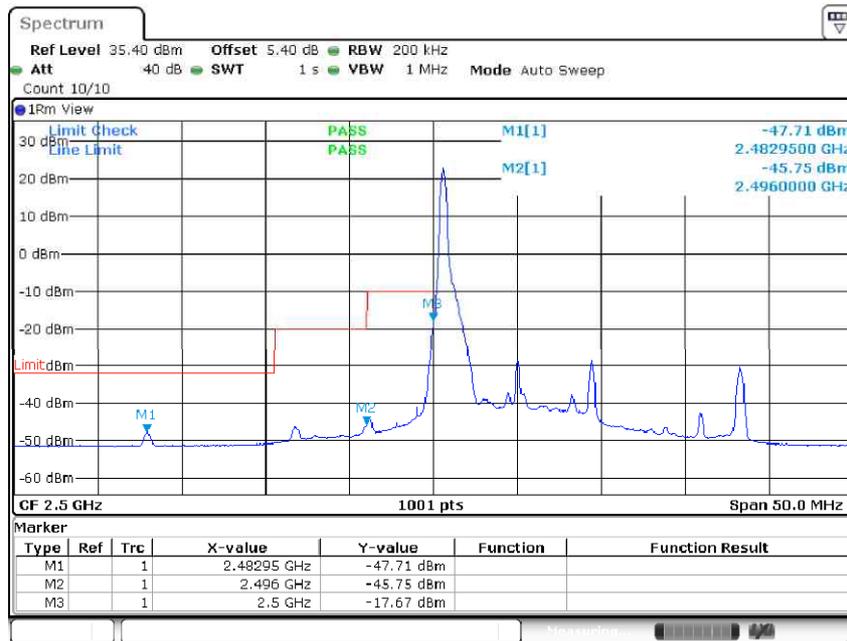


Band7-5MHz-16QAM-21425-25RB#0



Date: 9 JUL 2020 14:28:36

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



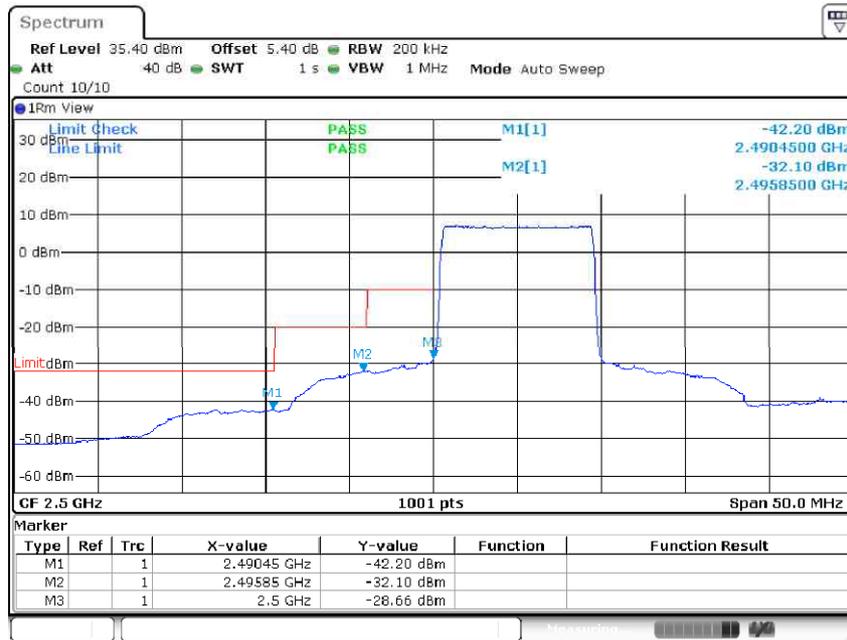
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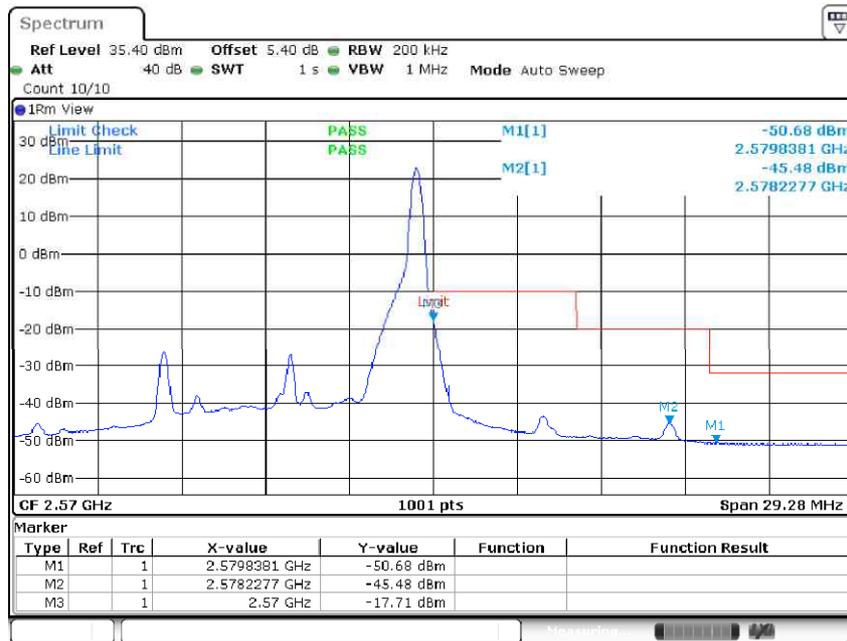


Band7-10MHz-QPSK-20800-50RB#0



Date: 9 JUL 2020 14:30:35

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



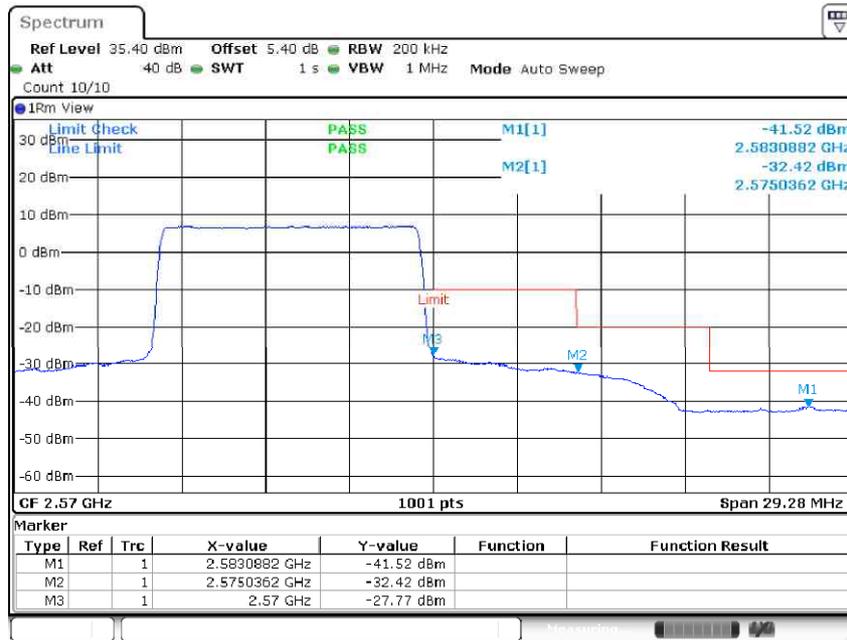
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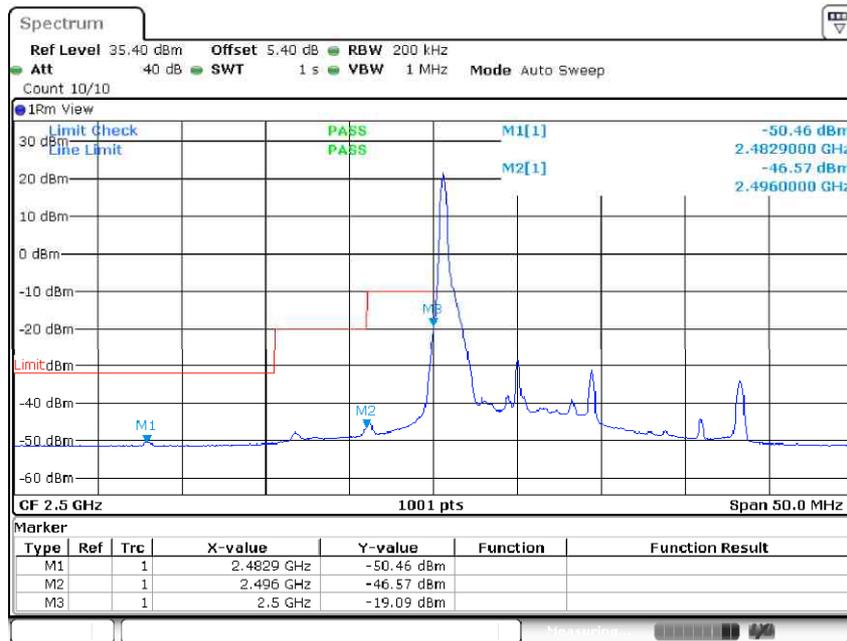


Band7-10MHz-QPSK-21400-50RB#0



Date: 9 JUL 2020 14:31:18

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



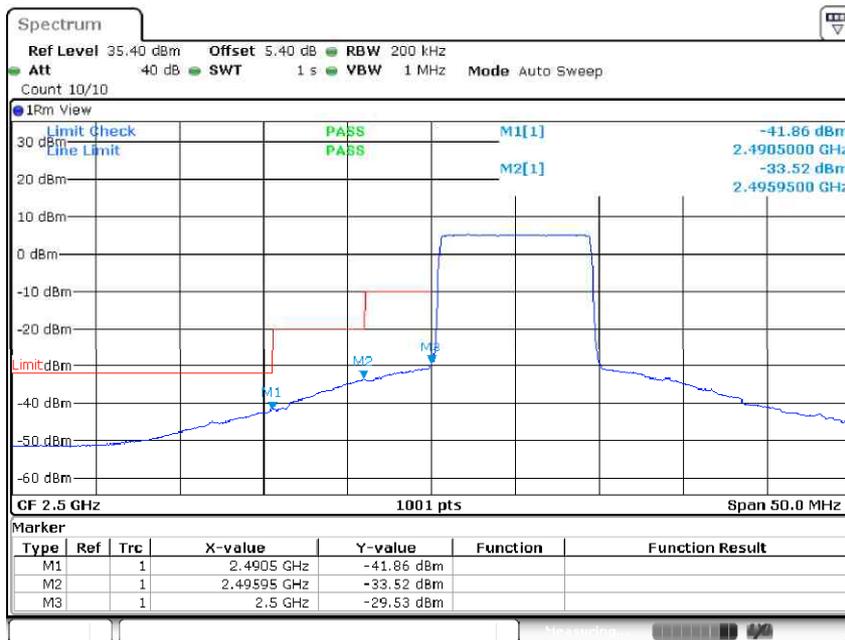
Date: 14 JUL 2020 08:01:18



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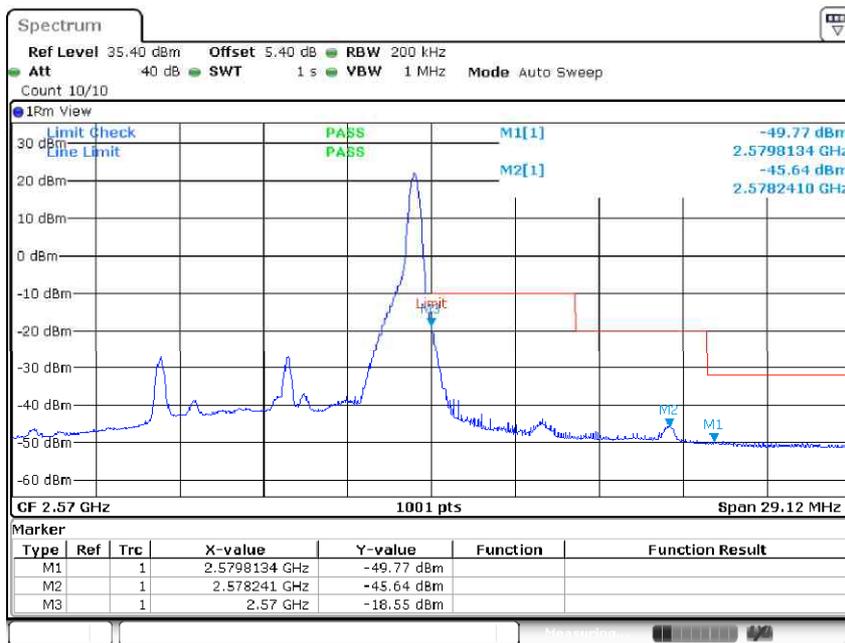


Band7-10MHz-64QAM-20800-50RB#0



Date: 14 JUL 2020 08:02:10

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



Date: 14 JUL 2020 08:01:44



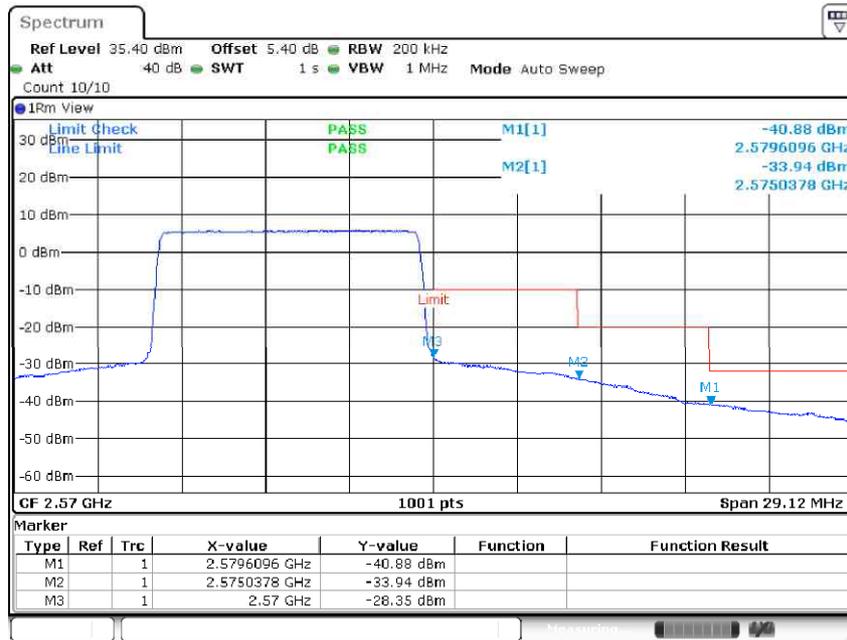
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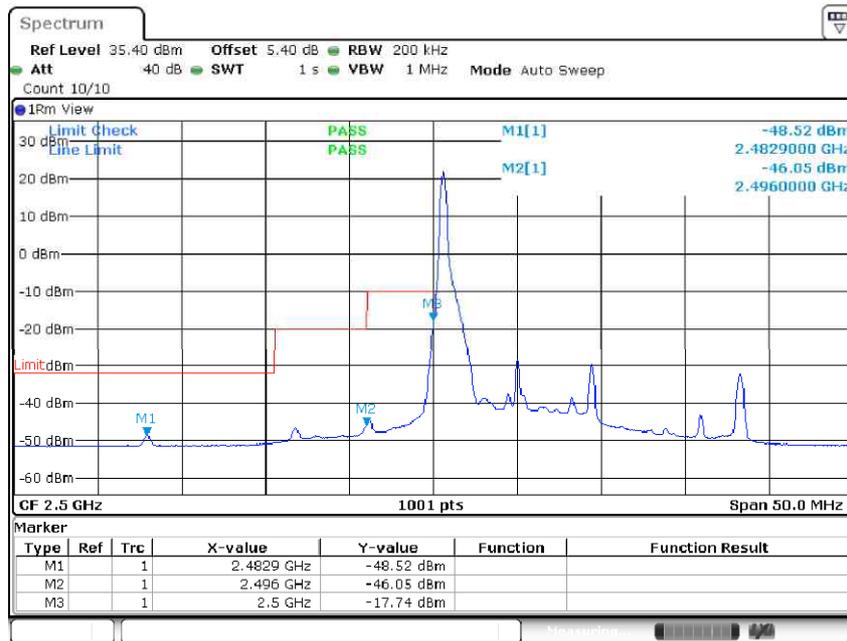


Band7-10MHz-64QAM-21400-50RB#0



Date: 14 JUL 2020 08:02:31

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



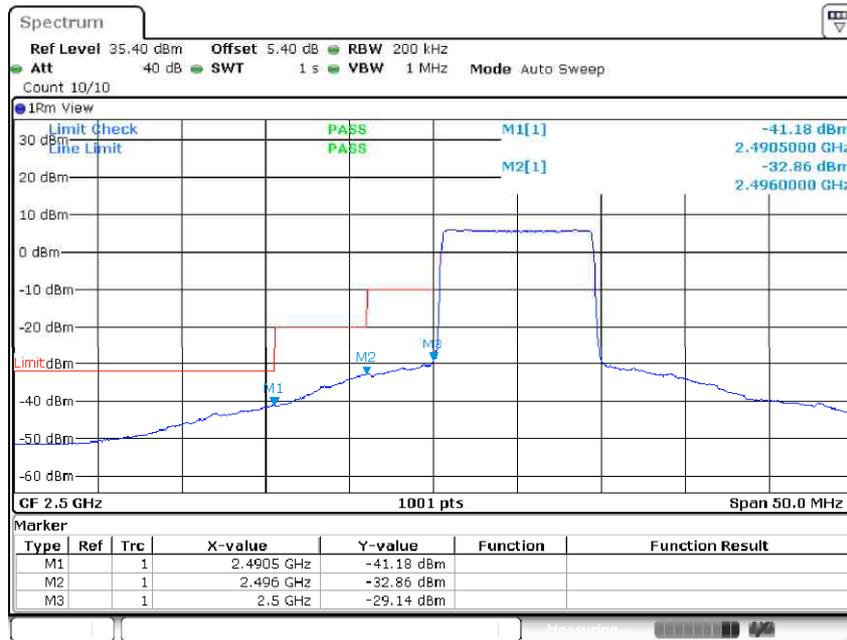
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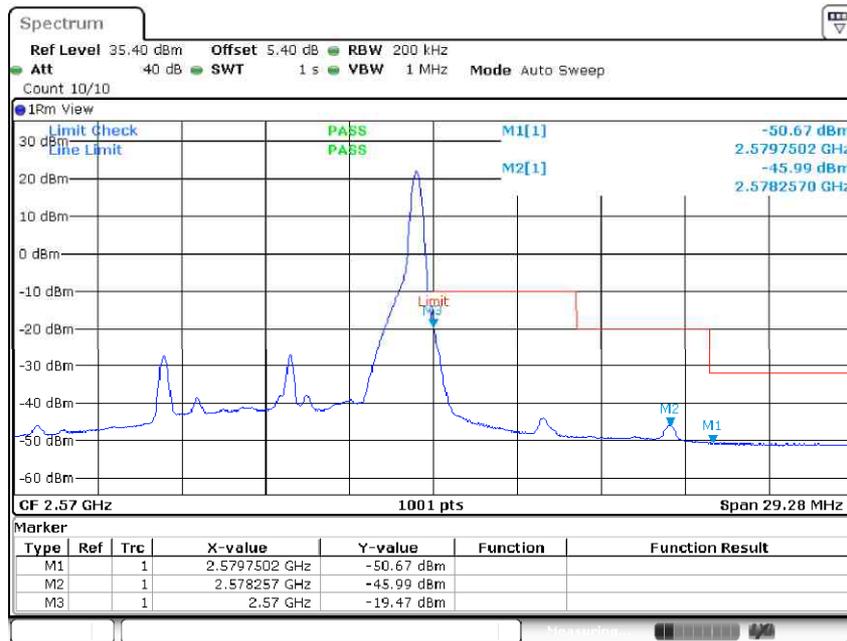


Band7-10MHz-16QAM-20800-50RB#0



Date: 9 JUL 2020 14:30:56

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



Date: 9 JUL 2020 14:30:10



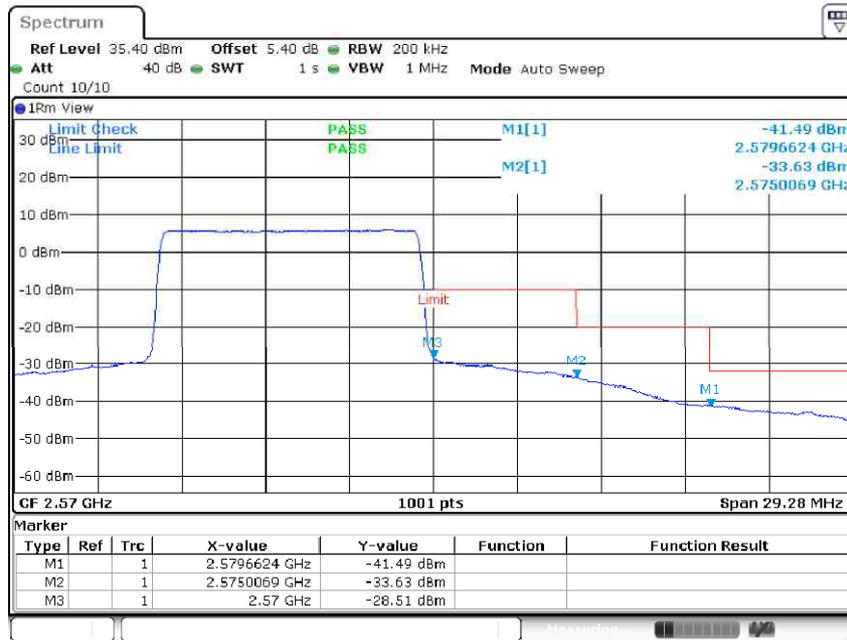
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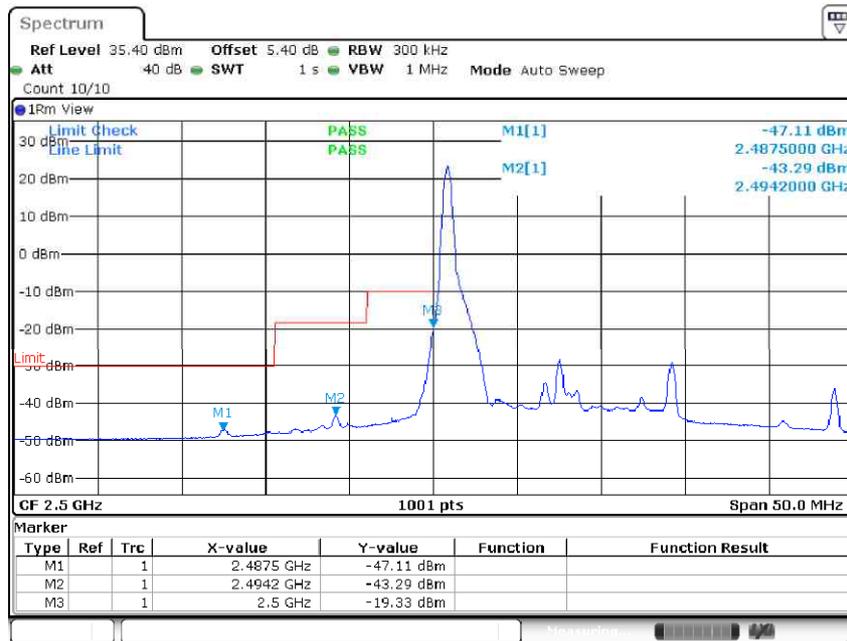


Band7-10MHz-16QAM-21400-50RB#0



Date: 9 JUL 2020 14:31:39

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



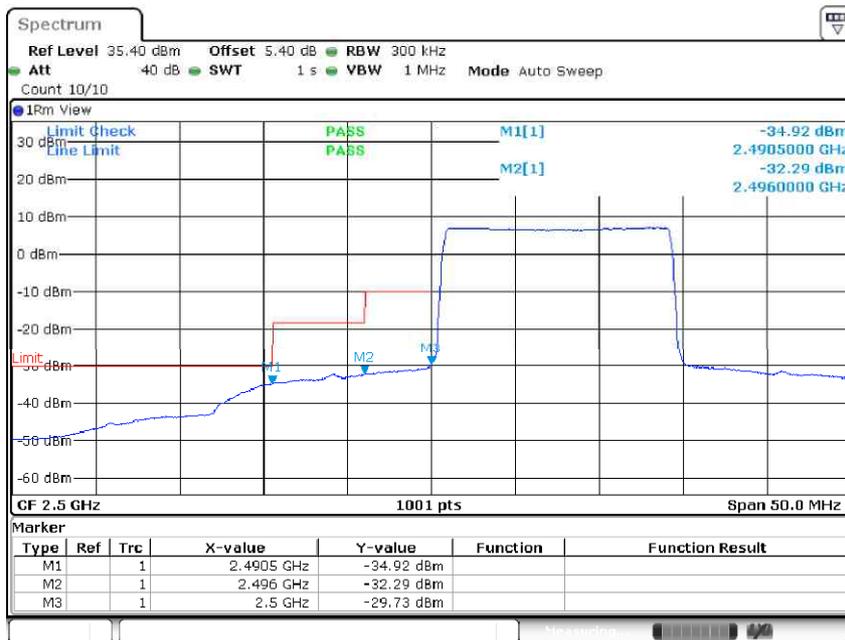
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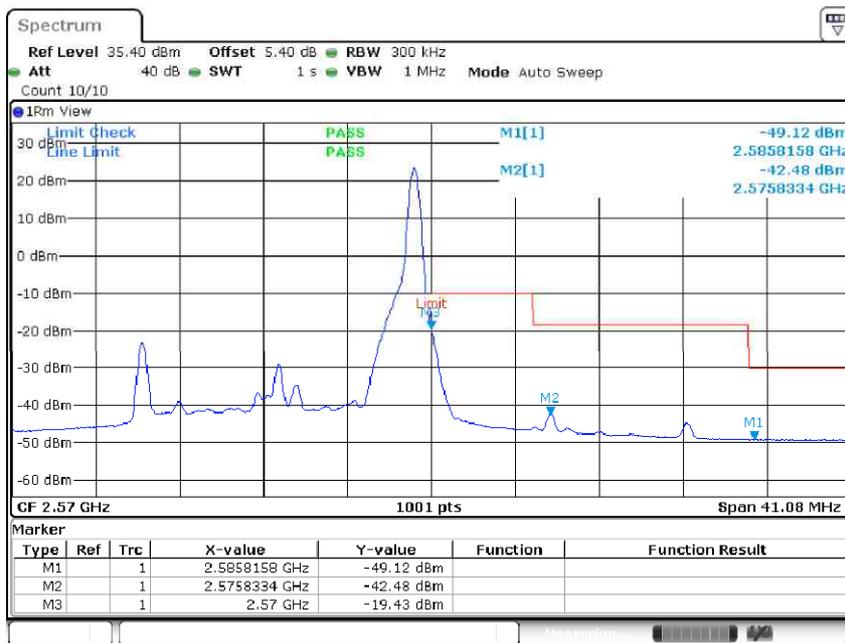


Band7-15MHz-QPSK-20825-75RB#0



Date: 9 JUL 2020 14:33:38

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



Date: 9 JUL 2020 14:32:51



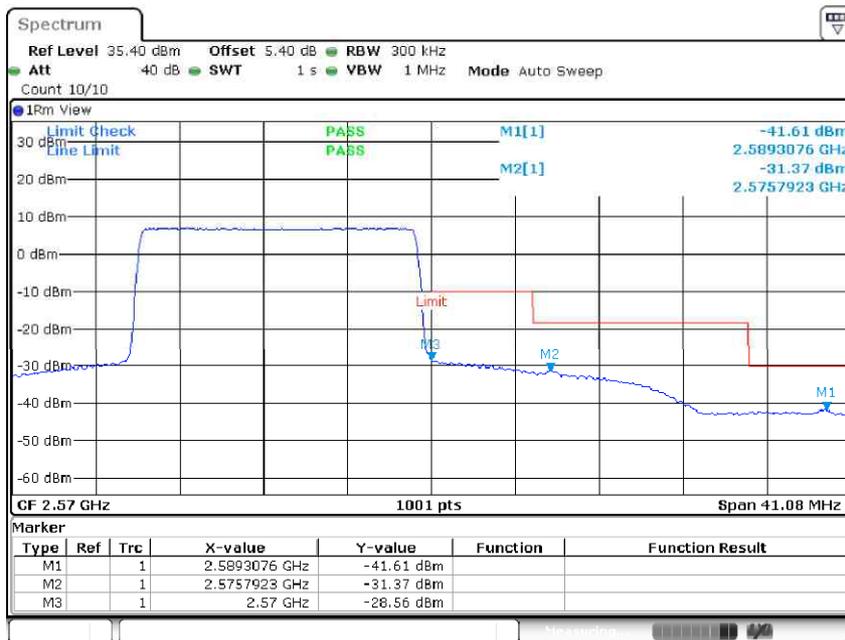
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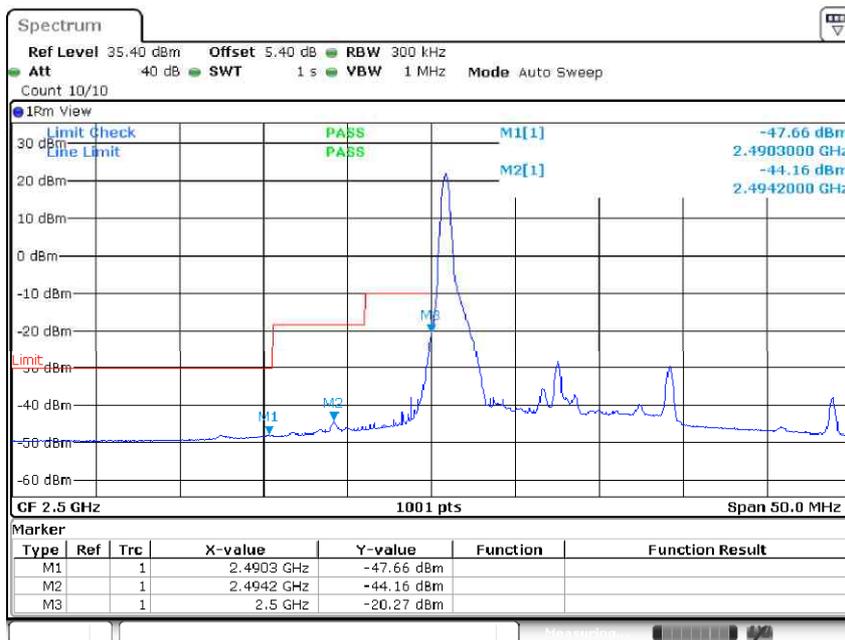


Band7-15MHz-QPSK-21375-75RB#0



Date: 9 JUL 2020 14:34:21

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



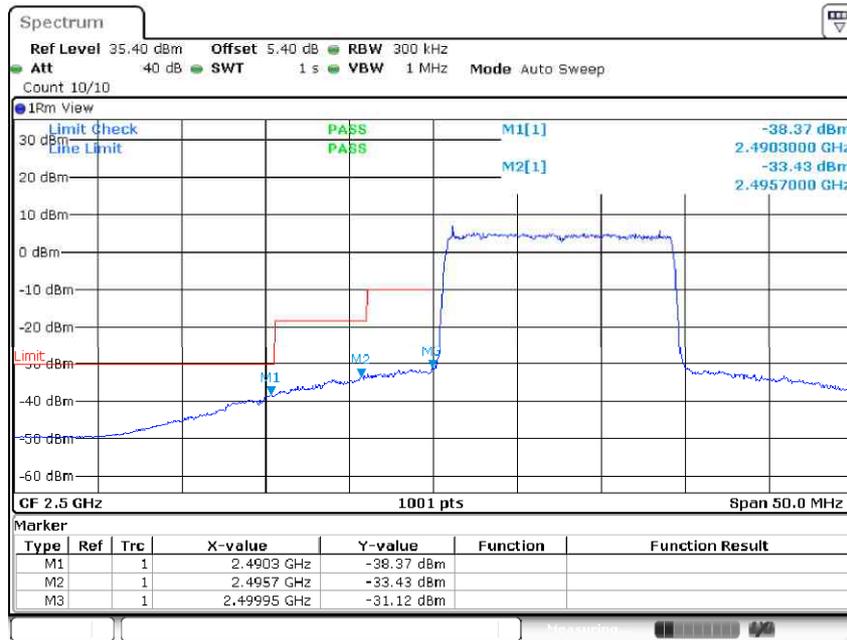
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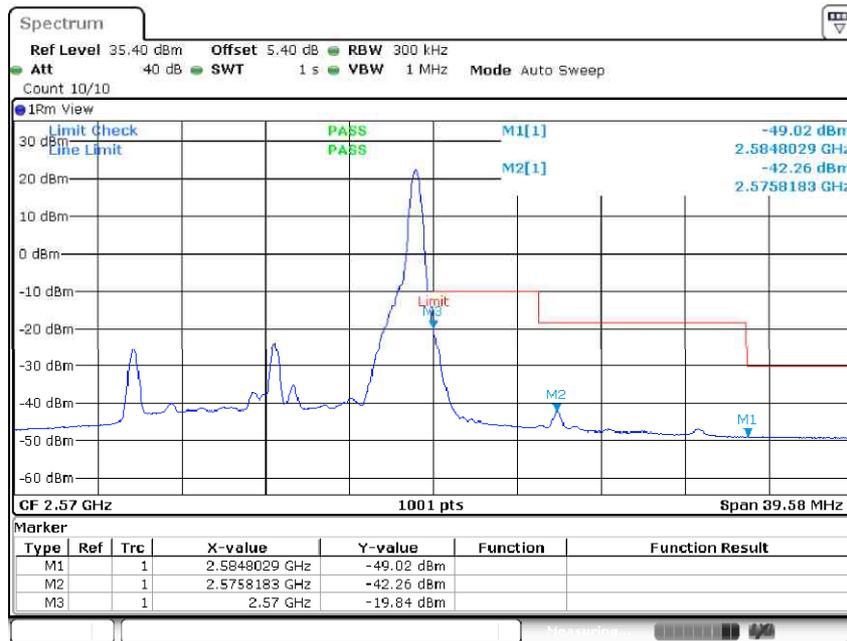


Band7-15MHz-64QAM-20825-75RB#0



Date: 14 JUL 2020 08:20:44

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



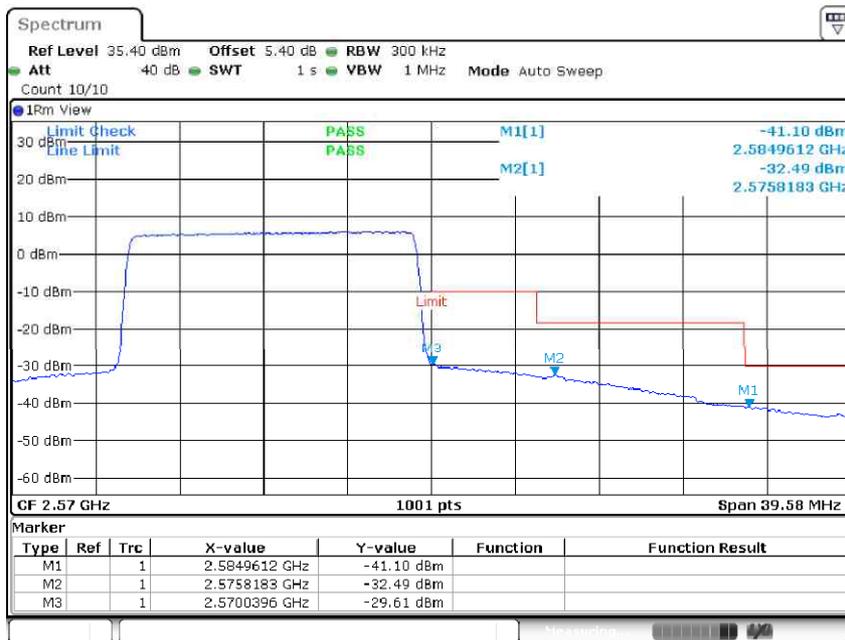
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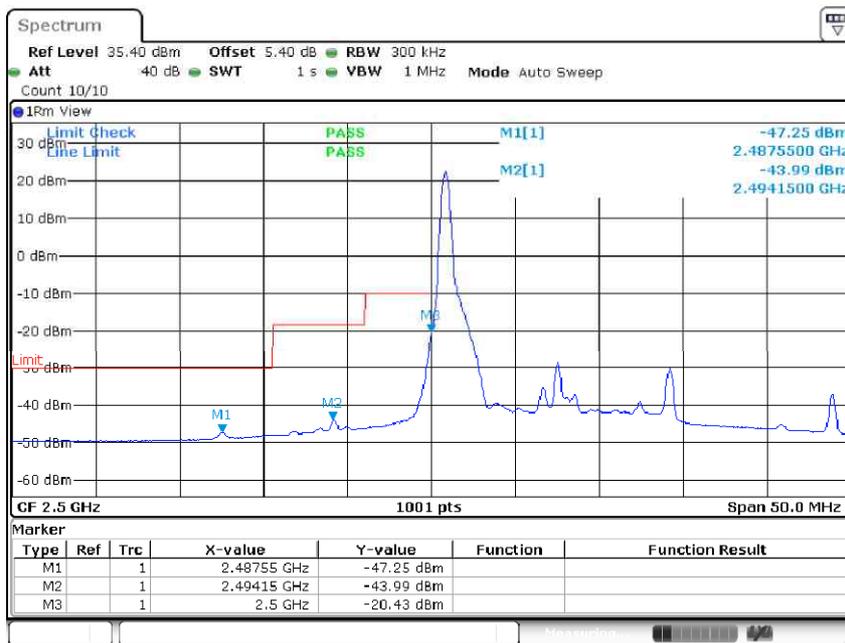


Band7-15MHz-64QAM-21375-75RB#0



Date: 14 JUL 2020 08:21:05

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



Date: 9 JUL 2020 14:32:26



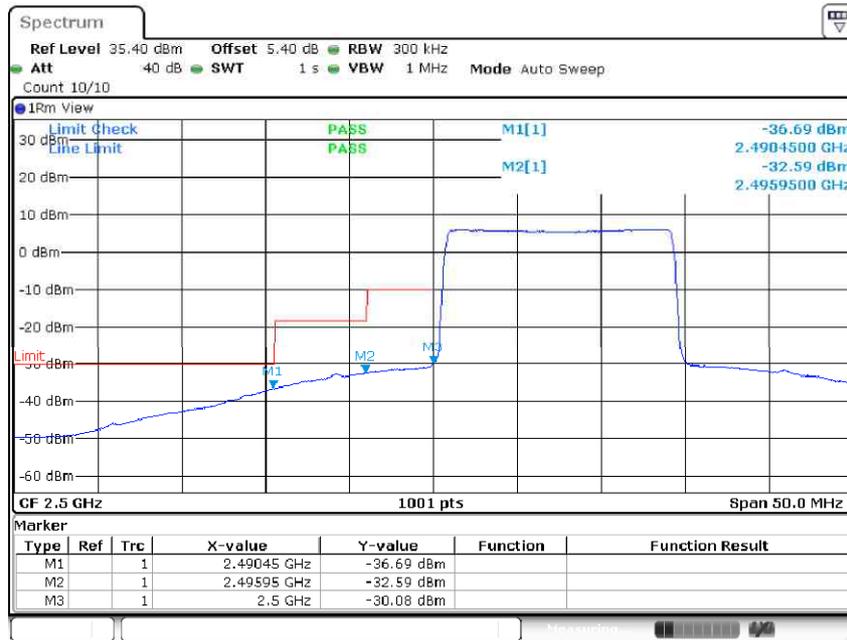
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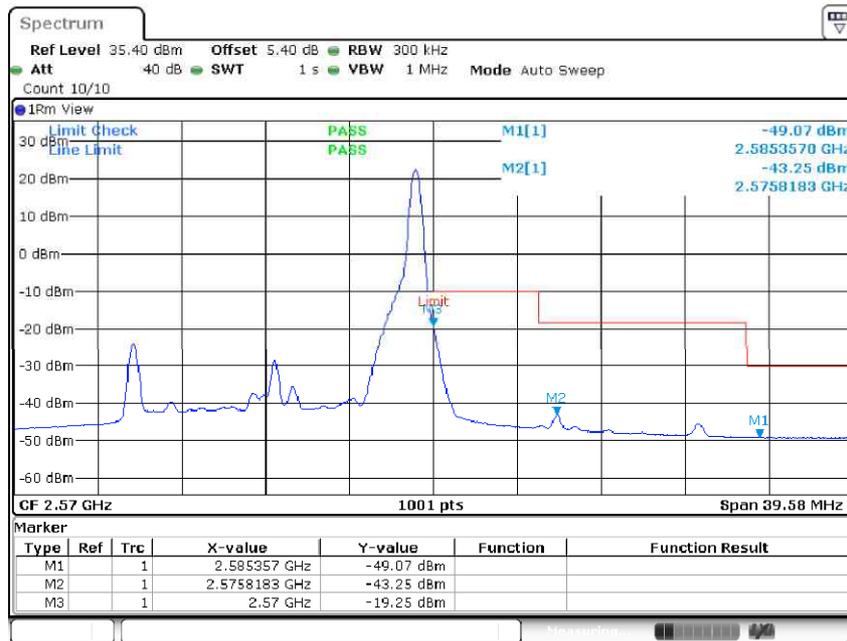


Band7-15MHz-16QAM-20825-75RB#0



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



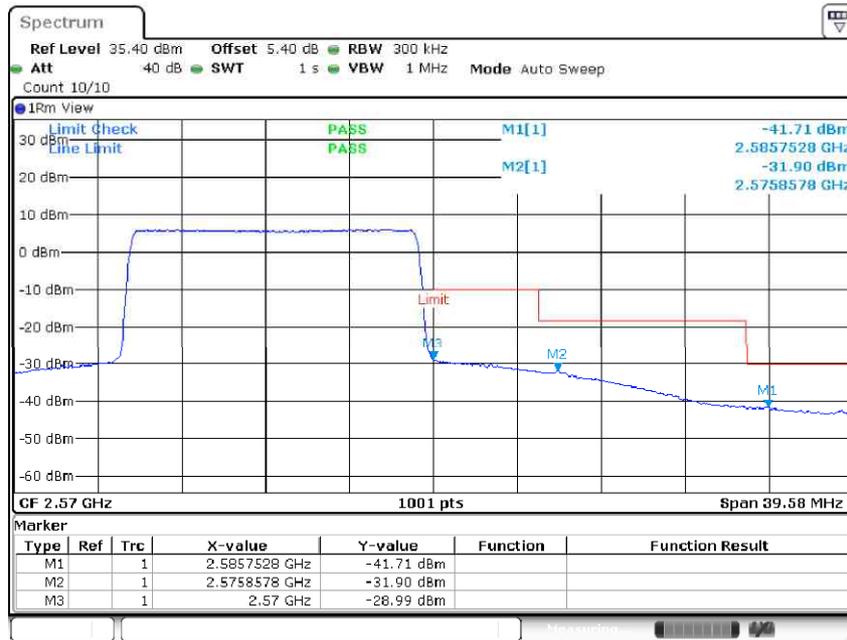
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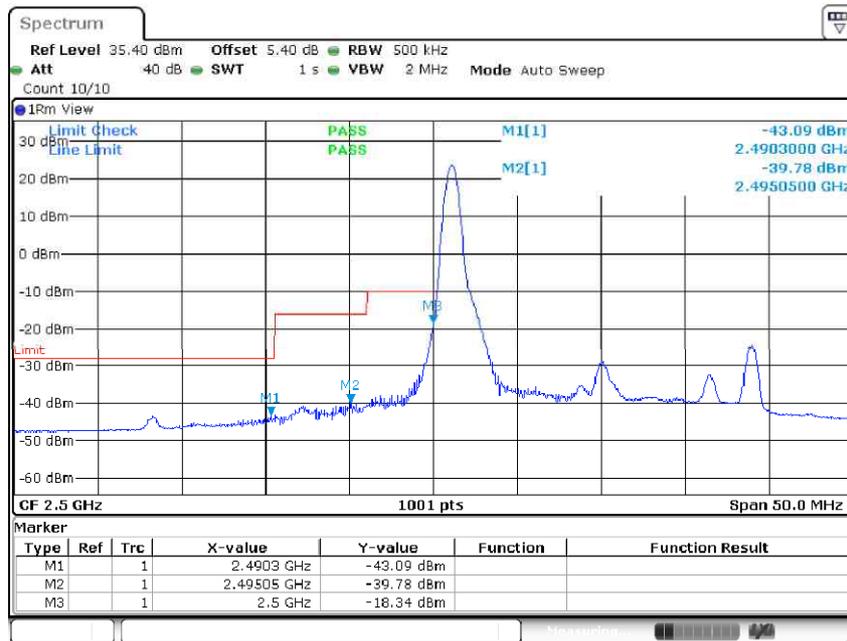


Band7-15MHz-16QAM-21375-75RB#0



Date: 9 JUL 2020 14:34:42

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



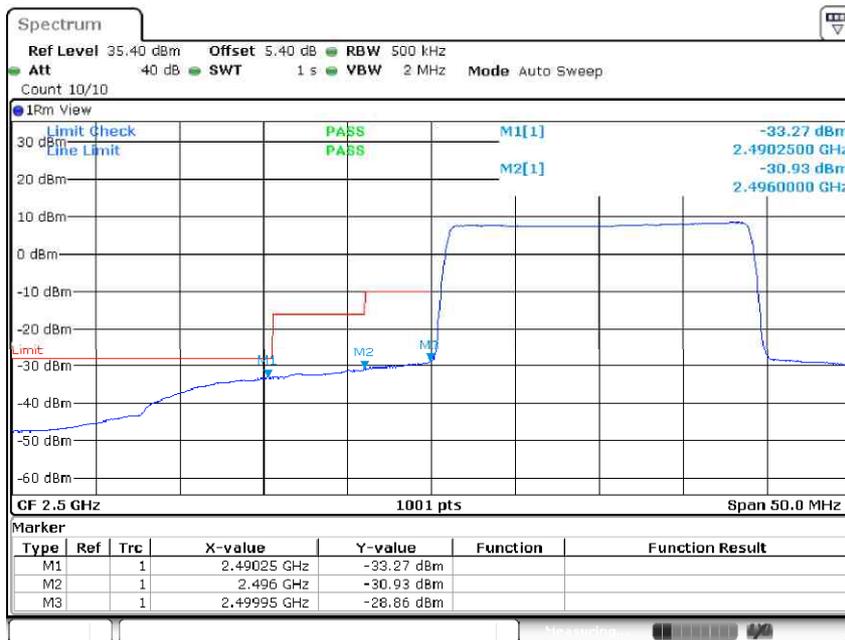
Date: 9 JUL 2020 14:35:13



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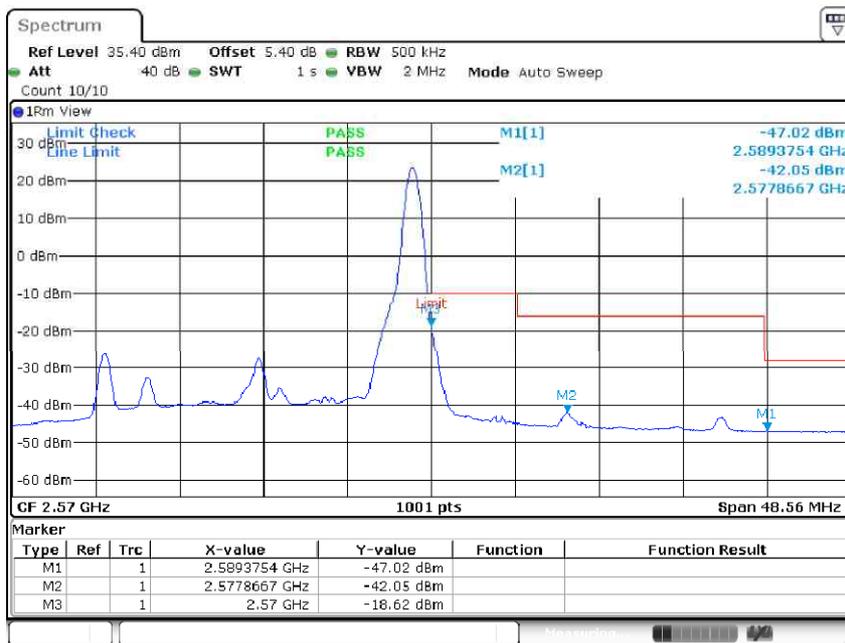


Band7-20MHz-QPSK-20850-100RB#0



Date: 9 JUL 2020 14:36:46

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



Date: 9 JUL 2020 14:35:59



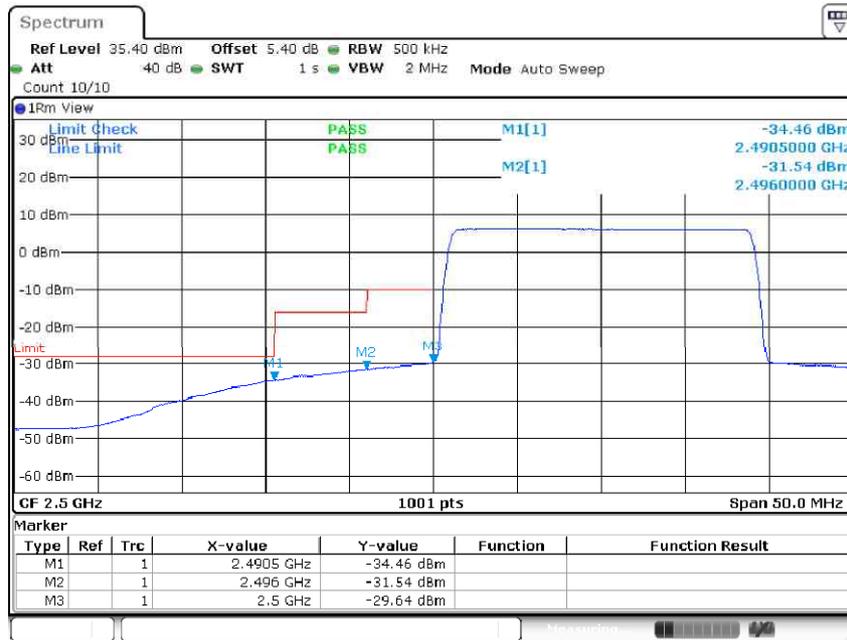
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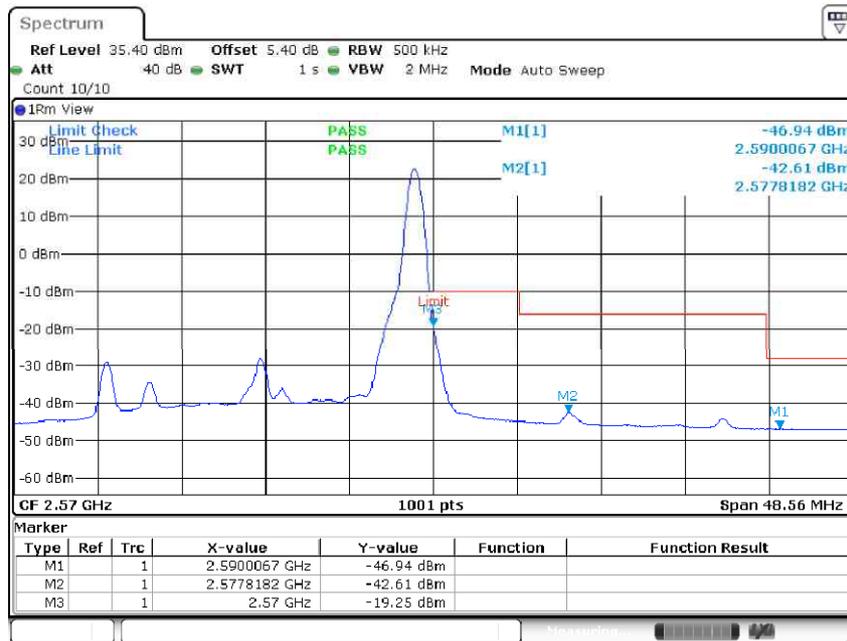


Band7-20MHz-64QAM-20850-100RB#0



Date: 14 JUL 2020 08:22:23

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



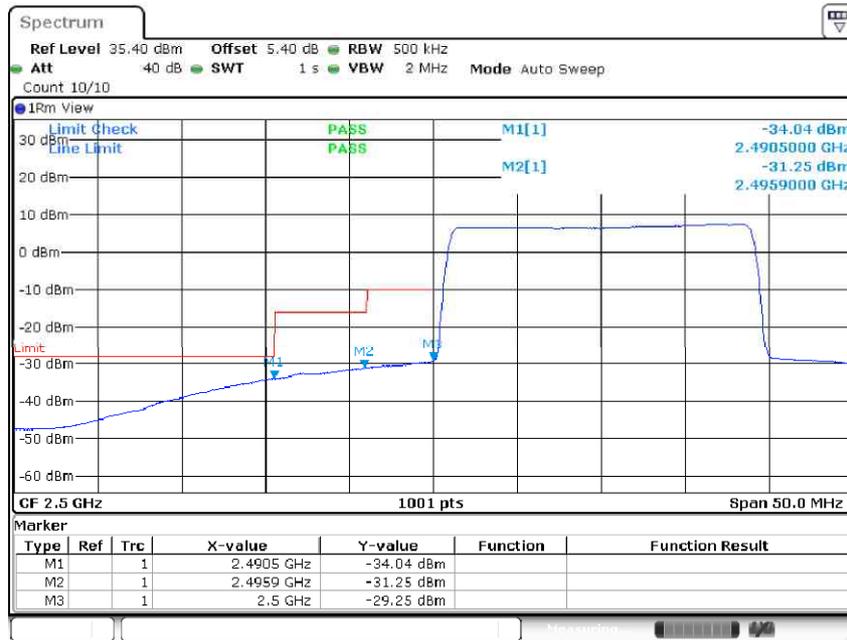
Date: 14 JUL 2020 08:21:57



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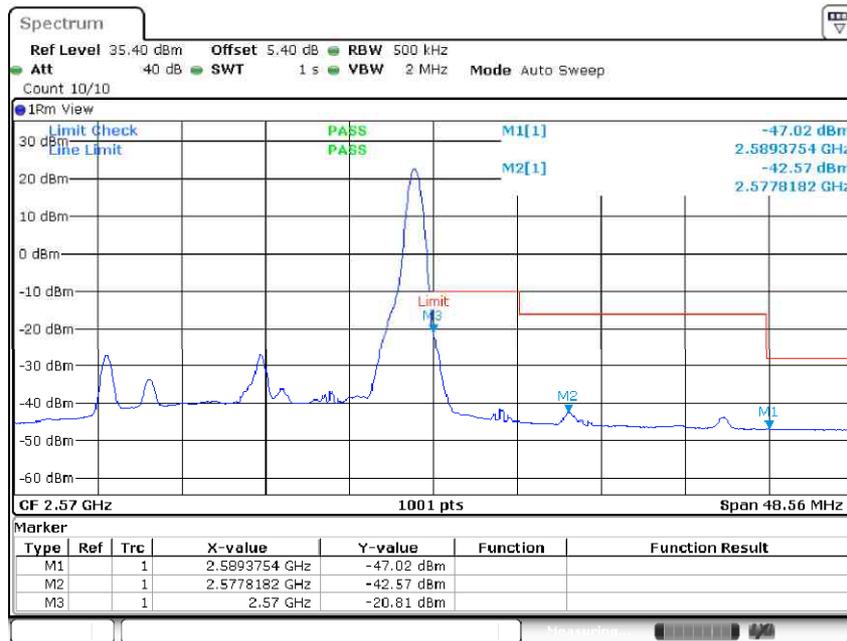


Band7-20MHz-16QAM-20850-100RB#0



Date: 9 JUL 2020 14:37:07

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



Date: 9 JUL 2020 14:36:20



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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.

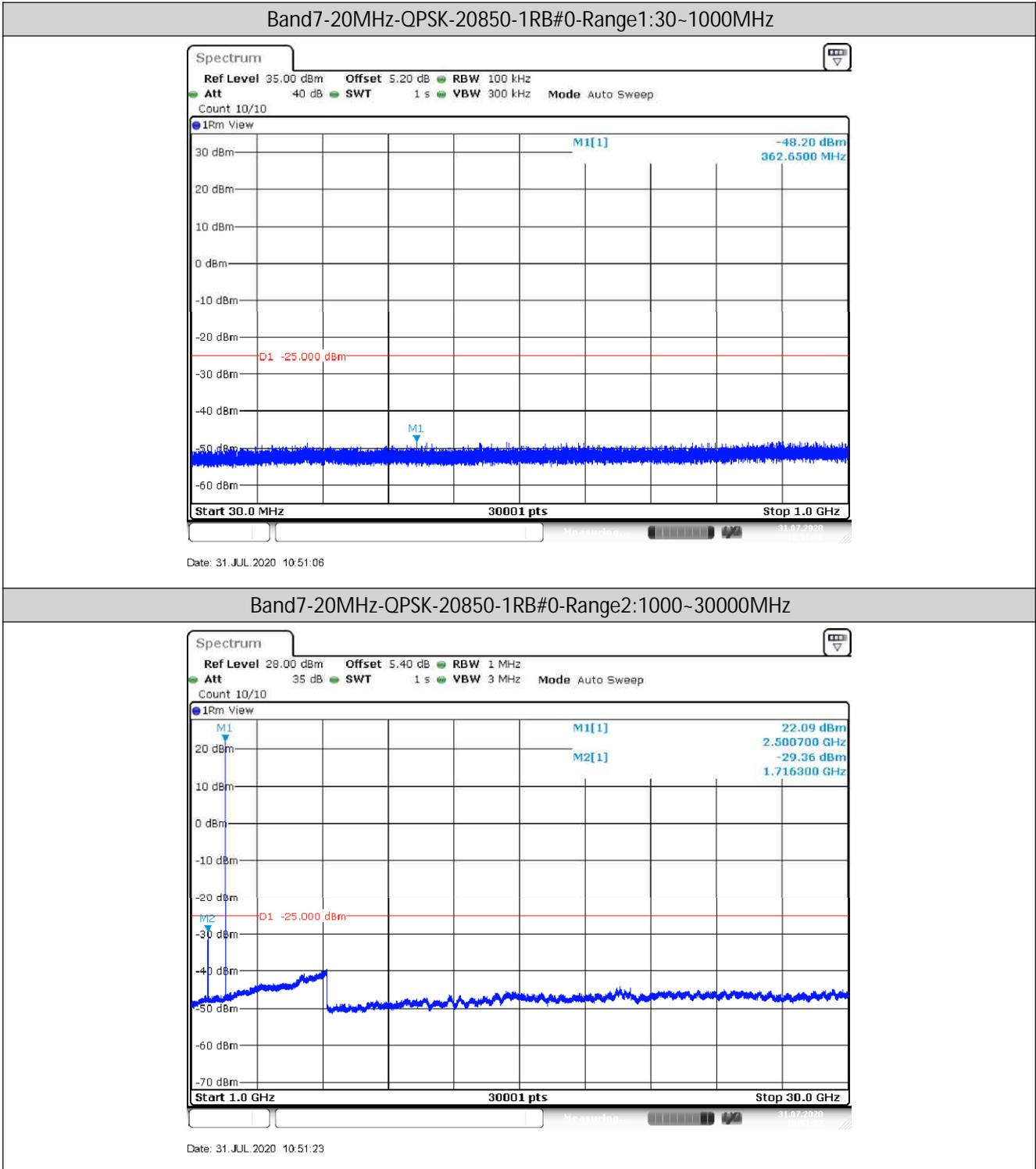
Remark2: only the worst case data displayed in this report.



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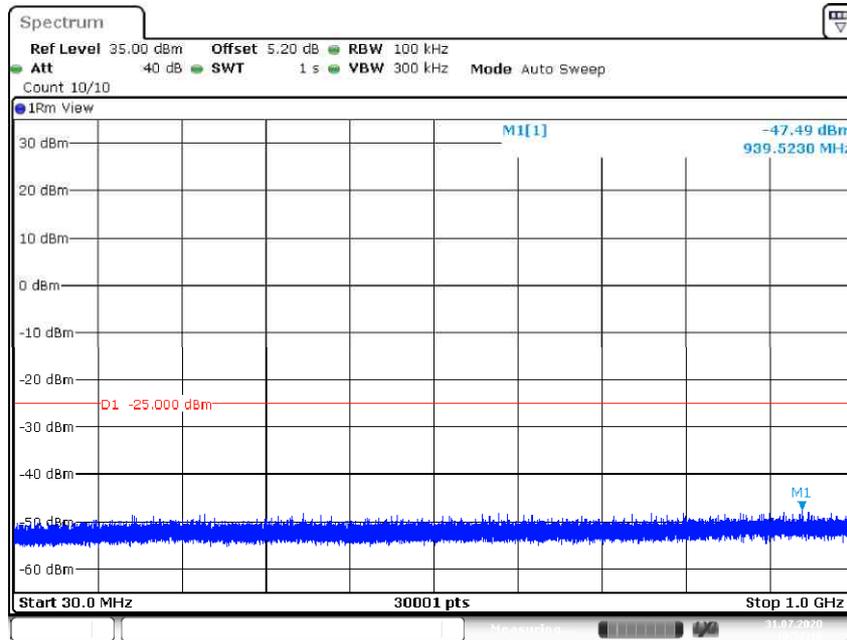
6.1. Test Plots



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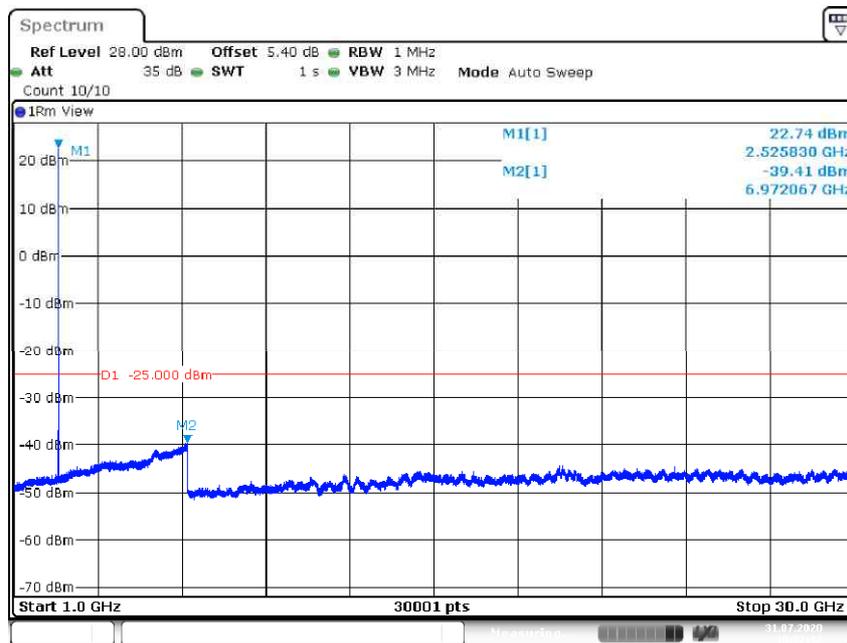


Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



Date: 31 JUL 2020 10:52:16

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



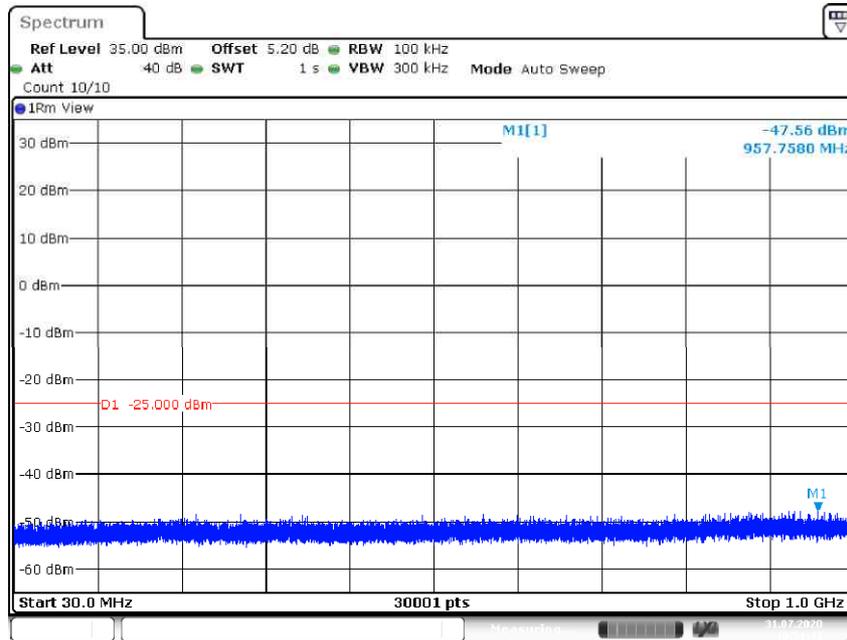
Date: 31 JUL 2020 10:52:33



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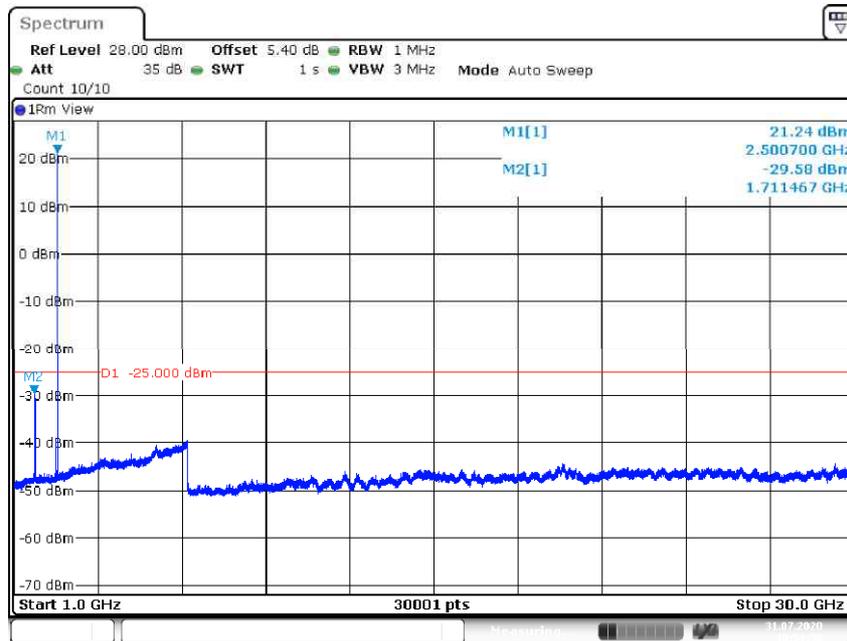


Band7-20MHz-16QAM-20850-1RB#0-Range1:30-1000MHz



Date: 31 JUL 2020 10:51:41

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



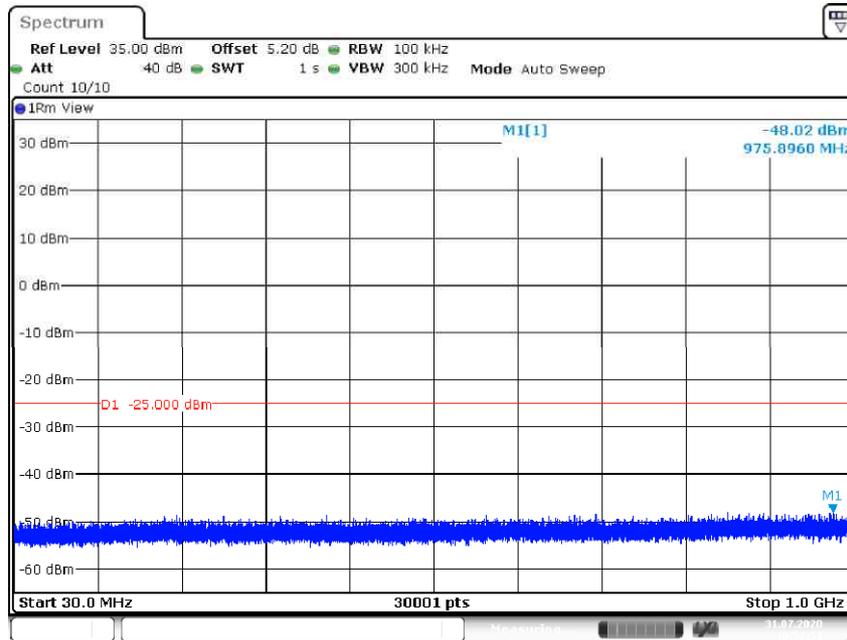
Date: 31 JUL 2020 10:51:58



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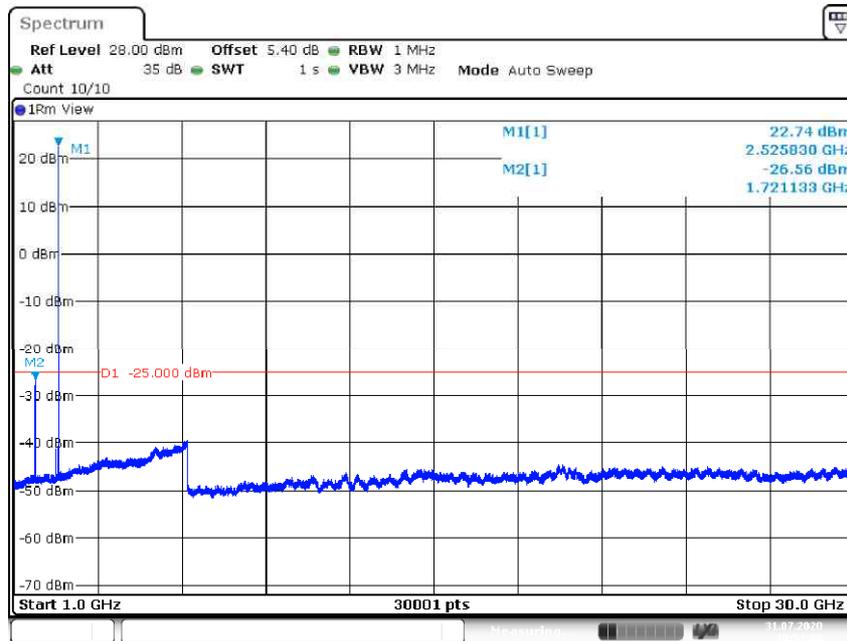


Band7-20MHz-16QAM-21100-1RB#0-Range1:30-1000MHz



Date: 31 JUL 2020 10:52:51

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



Date: 31 JUL 2020 10:53:07



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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.9830	-73.34	-25.00	48.34	Vertical
110.5140	-65.72	-25.00	40.72	Vertical
484.4677	-67.38	-25.00	42.38	Vertical
1786.9574	-45.09	-25.00	20.09	Vertical
7336.3735	-57.38	-25.00	32.38	Vertical
17998.8000	-41.57	-25.00	16.57	Vertical
42.4166	-63.90	-25.00	38.90	Horizontal
252.4806	-69.34	-25.00	44.34	Horizontal
591.9491	-65.10	-25.00	40.10	Horizontal
1950.9902	-44.46	-25.00	19.46	Horizontal
7464.7786	-58.23	-25.00	33.23	Horizontal
16381.1352	-45.83	-25.00	20.83	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
52.9416	-73.17	-25.00	48.17	Vertical
111.3871	-64.77	-25.00	39.77	Vertical
461.5746	-67.91	-25.00	42.91	Vertical
1779.7560	-45.22	-25.00	20.22	Vertical
8011.4005	-57.51	-25.00	32.51	Vertical
17993.3997	-41.93	-25.00	16.93	Vertical
43.1927	-64.74	-25.00	39.74	Horizontal
233.3222	-68.53	-25.00	43.53	Horizontal
716.4063	-63.47	-25.00	38.47	Horizontal
1763.3527	-45.72	-25.00	20.72	Horizontal
7366.3747	-58.14	-25.00	33.14	Horizontal
16398.5359	-46.03	-25.00	21.03	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
47.5094	-73.66	-25.00	48.66	Vertical
115.2673	-66.15	-25.00	41.15	Vertical
384.6982	-67.96	-25.00	42.96	Vertical
1642.1284	-45.53	-25.00	20.53	Vertical
7362.7745	-57.79	-25.00	32.79	Vertical
17995.7998	-42.14	-25.00	17.14	Vertical
47.1699	-65.09	-25.00	40.09	Horizontal
240.8885	-69.20	-25.00	44.20	Horizontal
666.6428	-64.43	-25.00	39.43	Horizontal
1794.5589	-44.44	-25.00	19.44	Horizontal
7938.7976	-58.25	-25.00	33.25	Horizontal
16388.3355	-45.71	-25.00	20.71	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	4.70	0.001873	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	-3.10	-0.001235	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	2.80	0.001116	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-1.10	-0.000434	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-2.40	-0.000947	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-7.80	-0.003077	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	-4.40	-0.001719	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-19.00	-0.007422	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-10.10	-0.003945	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VL	NT	0.20	0.000080	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VN	NT	1.30	0.000518	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VH	NT	-7.50	-0.002988	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VL	NT	3.20	0.001262	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VN	NT	-0.50	-0.000197	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VH	NT	-1.80	-0.000710	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VL	NT	-9.20	-0.003594	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VN	NT	-7.00	-0.002734	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VH	NT	-9.50	-0.003711	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	-7.40	-0.002948	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	5.50	0.002191	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	-0.90	-0.000359	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	3.00	0.001183	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-7.10	-0.002801	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-3.00	-0.001183	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	-2.30	-0.000898	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	-3.70	-0.001445	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	-8.00	-0.003125	±2.5	PASS



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8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	3.20	0.001275	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-3.50	-0.001394	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	-5.46	-0.002175	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	1.70	0.000677	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-6.50	-0.002590	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	-4.70	-0.001873	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	-4.00	-0.001594	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	-0.60	-0.000239	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	4.00	0.001594	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-12.00	-0.004734	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	2.50	0.000986	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	5.37	0.002118	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	7.70	0.003037	±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	0.20	0.000079	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-1.10	-0.000434	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-2.50	-0.000986	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-1.00	-0.000394	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-0.90	-0.000352	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-4.80	-0.001875	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	-5.98	-0.002336	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-9.10	-0.003555	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-12.30	-0.004805	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-6.20	-0.002422	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	-11.50	-0.004492	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	-10.50	-0.004102	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-8.20	-0.003203	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-30	-6.80	-0.002709	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-20	-4.60	-0.001833	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-10	-5.99	-0.002343	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	0	-4.60	-0.001833	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	10	-4.20	-0.001673	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	20	-6.20	-0.002470	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	30	-2.20	-0.000876	±2.5	PASS



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Band7	20MHz	64QAM	20850	100RB#0	NV	40	0.60	0.000239	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	50	2.60	0.001036	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-30	-0.60	-0.000237	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-20	2.60	0.001026	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-10	3.06	0.001207	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	0	0.70	0.000276	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	10	1.80	0.000710	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	20	0.00	0.000000	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	30	-2.20	-0.000868	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	40	1.70	0.000671	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	50	-3.50	-0.001381	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-30	-12.20	-0.004766	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-20	-5.00	-0.001953	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-10	-12.08	-0.004719	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	0	-12.70	-0.004961	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	10	-14.30	-0.005586	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	20	-8.20	-0.003203	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	30	-8.70	-0.003398	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	40	-8.70	-0.003398	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	50	-2.00	-0.000781	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	4.80	0.001912	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	6.70	0.002669	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-10	-7.40	-0.002948	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	-13.10	-0.005219	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	-2.30	-0.000916	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	0.50	0.000199	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	30	-3.40	-0.001355	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	-7.50	-0.002988	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	-8.80	-0.003506	±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	-20	-12.30	-0.004852	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-10	-5.84	-0.002304	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-7.90	-0.003116	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-0.50	-0.000197	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-13.30	-0.005247	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	-6.00	-0.002367	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	-7.50	-0.002959	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	-8.90	-0.003511	±2.5	PASS



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Band7	20MHz	16QAM	21350	100RB#0	NV	-30	-10.60	-0.004141	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	-7.30	-0.002852	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-10	-6.78	-0.002648	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	-4.50	-0.001758	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	-6.90	-0.002695	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	-2.80	-0.001094	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	-5.70	-0.002227	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	-5.40	-0.002109	±2.5	PASS



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