



Appendix B

E-UTRA Band 7



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth h	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.09	27.09	33	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.18	27.18	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.19	27.19	33	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.27	26.27	33	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.23	26.23	33	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.30	26.3	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.32	26.32	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.22	27.22	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.18	27.18	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.20	27.2	33	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.29	26.29	33	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.27	26.27	33	PASS
Band7	5MHz	QPSK	21100	12RB#13	22.32	26.32	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.34	26.34	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.00	27	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.96	26.96	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.05	27.05	33	PASS
Band7	5MHz	QPSK	21425	12RB#13	22.12	26.12	33	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.16	26.16	33	PASS
Band7	5MHz	QPSK	21425	12RB#0	22.11	26.11	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.15	26.15	33	PASS
Band7	5MHz	64QAM	20775	1RB#0	22.22	26.22	33	PASS
Band7	5MHz	64QAM	20775	1RB#24	22.41	26.41	33	PASS
Band7	5MHz	64QAM	20775	1RB#12	22.28	26.28	33	PASS
Band7	5MHz	64QAM	20775	12RB#0	21.32	25.32	33	PASS
Band7	5MHz	64QAM	20775	12RB#6	21.38	25.38	33	PASS
Band7	5MHz	64QAM	20775	12RB#13	21.37	25.37	33	PASS



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Band7	5MHz	64QAM	20775	25RB#0	21.36	25.36	33	PASS
Band7	5MHz	64QAM	21100	1RB#0	22.35	26.35	33	PASS
Band7	5MHz	64QAM	21100	1RB#12	22.43	26.43	33	PASS
Band7	5MHz	64QAM	21100	1RB#24	22.34	26.34	33	PASS
Band7	5MHz	64QAM	21100	12RB#13	21.44	25.44	33	PASS
Band7	5MHz	64QAM	21100	12RB#6	21.41	25.41	33	PASS
Band7	5MHz	64QAM	21100	12RB#0	21.37	25.37	33	PASS
Band7	5MHz	64QAM	21100	25RB#0	21.46	25.46	33	PASS
Band7	5MHz	64QAM	21425	1RB#0	22.69	26.69	33	PASS
Band7	5MHz	64QAM	21425	1RB#12	22.69	26.69	33	PASS
Band7	5MHz	64QAM	21425	1RB#24	22.62	26.62	33	PASS
Band7	5MHz	64QAM	21425	12RB#0	21.72	25.72	33	PASS
Band7	5MHz	64QAM	21425	12RB#6	21.69	25.69	33	PASS
Band7	5MHz	64QAM	21425	12RB#13	21.69	25.69	33	PASS
Band7	5MHz	64QAM	21425	25RB#0	21.71	25.71	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.25	26.25	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.29	26.29	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.33	26.33	33	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.31	25.31	33	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.28	25.28	33	PASS
Band7	5MHz	16QAM	20775	12RB#0	21.20	25.2	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.25	25.25	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.30	26.3	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.32	26.32	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.33	26.33	33	PASS
Band7	5MHz	16QAM	21100	12RB#0	21.19	25.19	33	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.32	25.32	33	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.25	25.25	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.26	25.26	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.16	26.16	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.17	26.17	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.29	26.29	33	PASS
Band7	5MHz	16QAM	21425	12RB#0	21.14	25.14	33	PASS



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Band7	5MHz	16QAM	21425	12RB#6	21.15	25.15	33	PASS
Band7	5MHz	16QAM	21425	12RB#13	21.17	25.17	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.06	25.06	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.12	27.12	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.99	26.99	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.12	27.12	33	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.25	26.25	33	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.26	26.26	33	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.28	26.28	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.25	26.25	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.00	27	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.08	27.08	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.18	27.18	33	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.27	26.27	33	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.33	26.33	33	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.26	26.26	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.28	26.28	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.96	26.96	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.90	26.9	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.00	27	33	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.06	26.06	33	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.12	26.12	33	PASS
Band7	10MHz	QPSK	21400	25RB#12	22.15	26.15	33	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.14	26.14	33	PASS
Band7	10MHz	64QAM	20800	1RB#24	22.19	26.19	33	PASS
Band7	10MHz	64QAM	20800	1RB#49	22.27	26.27	33	PASS
Band7	10MHz	64QAM	20800	1RB#0	22.27	26.27	33	PASS
Band7	10MHz	64QAM	20800	25RB#0	21.34	25.34	33	PASS
Band7	10MHz	64QAM	20800	25RB#12	21.31	25.31	33	PASS
Band7	10MHz	64QAM	20800	25RB#25	21.27	25.27	33	PASS
Band7	10MHz	64QAM	20800	50RB#0	21.31	25.31	33	PASS
Band7	10MHz	64QAM	21100	1RB#49	22.32	26.32	33	PASS
Band7	10MHz	64QAM	21100	1RB#0	22.34	26.34	33	PASS





Band7	10MHz	64QAM	21100	1RB#24	22.25	26.25	33	PASS
Band7	10MHz	64QAM	21100	25RB#0	21.39	25.39	33	PASS
Band7	10MHz	64QAM	21100	25RB#12	21.38	25.38	33	PASS
Band7	10MHz	64QAM	21100	25RB#25	21.34	25.34	33	PASS
Band7	10MHz	64QAM	21100	50RB#0	21.36	25.36	33	PASS
Band7	10MHz	64QAM	21400	1RB#0	22.79	26.79	33	PASS
Band7	10MHz	64QAM	21400	1RB#49	22.65	26.65	33	PASS
Band7	10MHz	64QAM	21400	1RB#24	22.55	26.55	33	PASS
Band7	10MHz	64QAM	21400	25RB#25	21.62	25.62	33	PASS
Band7	10MHz	64QAM	21400	25RB#0	21.70	25.7	33	PASS
Band7	10MHz	64QAM	21400	25RB#12	21.68	25.68	33	PASS
Band7	10MHz	64QAM	21400	50RB#0	21.68	25.68	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.36	26.36	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.23	26.23	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.39	26.39	33	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.19	25.19	33	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.19	25.19	33	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.21	25.21	33	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.17	25.17	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.30	26.3	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.27	26.27	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.11	26.11	33	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.20	25.2	33	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.13	25.13	33	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.23	25.23	33	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.19	25.19	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.29	26.29	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.14	26.14	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.08	26.08	33	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.11	25.11	33	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.11	25.11	33	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.03	25.03	33	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.07	25.07	33	PASS



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Band7	15MHz	QPSK	20825	1RB#74	23.24	27.24	33	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.26	27.26	33	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.27	27.27	33	PASS
Band7	15MHz	QPSK	20825	36RB#39	22.41	26.41	33	PASS
Band7	15MHz	QPSK	20825	36RB#18	22.38	26.38	33	PASS
Band7	15MHz	QPSK	20825	36RB#0	22.35	26.35	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.38	26.38	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.24	27.24	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.22	27.22	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.21	27.21	33	PASS
Band7	15MHz	QPSK	21100	36RB#0	22.43	26.43	33	PASS
Band7	15MHz	QPSK	21100	36RB#18	22.40	26.4	33	PASS
Band7	15MHz	QPSK	21100	36RB#39	22.34	26.34	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.39	26.39	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.23	27.23	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.15	27.15	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.11	27.11	33	PASS
Band7	15MHz	QPSK	21375	36RB#0	22.34	26.34	33	PASS
Band7	15MHz	QPSK	21375	36RB#18	22.28	26.28	33	PASS
Band7	15MHz	QPSK	21375	36RB#39	22.24	26.24	33	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.30	26.3	33	PASS
Band7	15MHz	64QAM	20825	1RB#74	22.36	26.36	33	PASS
Band7	15MHz	64QAM	20825	1RB#38	22.40	26.4	33	PASS
Band7	15MHz	64QAM	20825	1RB#0	22.38	26.38	33	PASS
Band7	15MHz	64QAM	20825	36RB#0	21.35	25.35	33	PASS
Band7	15MHz	64QAM	20825	36RB#18	21.39	25.39	33	PASS
Band7	15MHz	64QAM	20825	36RB#39	21.43	25.43	33	PASS
Band7	15MHz	64QAM	20825	75RB#0	21.39	25.39	33	PASS
Band7	15MHz	64QAM	21100	1RB#38	22.37	26.37	33	PASS
Band7	15MHz	64QAM	21100	1RB#74	22.40	26.4	33	PASS
Band7	15MHz	64QAM	21100	1RB#0	22.43	26.43	33	PASS
Band7	15MHz	64QAM	21100	36RB#39	21.41	25.41	33	PASS
Band7	15MHz	64QAM	21100	36RB#0	21.45	25.45	33	PASS



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Band7	15MHz	64QAM	21100	36RB#18	21.46	25.46	33	PASS
Band7	15MHz	64QAM	21100	75RB#0	21.44	25.44	33	PASS
Band7	15MHz	64QAM	21375	1RB#0	22.86	26.86	33	PASS
Band7	15MHz	64QAM	21375	1RB#38	22.75	26.75	33	PASS
Band7	15MHz	64QAM	21375	1RB#74	22.83	26.83	33	PASS
Band7	15MHz	64QAM	21375	36RB#18	21.77	25.77	33	PASS
Band7	15MHz	64QAM	21375	36RB#0	21.76	25.76	33	PASS
Band7	15MHz	64QAM	21375	36RB#39	21.75	25.75	33	PASS
Band7	15MHz	64QAM	21375	75RB#0	21.80	25.8	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.49	26.49	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.42	26.42	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.57	26.57	33	PASS
Band7	15MHz	16QAM	20825	36RB#0	21.32	25.32	33	PASS
Band7	15MHz	16QAM	20825	36RB#39	21.38	25.38	33	PASS
Band7	15MHz	16QAM	20825	36RB#18	21.39	25.39	33	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.38	25.38	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.37	26.37	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.35	26.35	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.35	26.35	33	PASS
Band7	15MHz	16QAM	21100	36RB#0	21.33	25.33	33	PASS
Band7	15MHz	16QAM	21100	36RB#18	21.35	25.35	33	PASS
Band7	15MHz	16QAM	21100	36RB#39	21.31	25.31	33	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.33	25.33	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.49	26.49	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.29	26.29	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.24	26.24	33	PASS
Band7	15MHz	16QAM	21375	36RB#0	21.30	25.3	33	PASS
Band7	15MHz	16QAM	21375	36RB#18	21.32	25.32	33	PASS
Band7	15MHz	16QAM	21375	36RB#39	21.25	25.25	33	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.28	25.28	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.29	27.29	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.26	27.26	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.31	27.31	33	PASS



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Band7	20MHz	QPSK	20850	50RB#25	22.48	26.48	33	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.40	26.4	33	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.49	26.49	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.38	26.38	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.19	27.19	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.32	27.32	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.27	27.27	33	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.47	26.47	33	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.44	26.44	33	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.44	26.44	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.45	26.45	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.15	27.15	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.33	27.33	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.04	27.04	33	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.37	26.37	33	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.44	26.44	33	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.24	26.24	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.31	26.31	33	PASS
Band7	20MHz	64QAM	20850	1RB#0	22.47	26.47	33	PASS
Band7	20MHz	64QAM	20850	1RB#49	22.39	26.39	33	PASS
Band7	20MHz	64QAM	20850	1RB#99	22.38	26.38	33	PASS
Band7	20MHz	64QAM	20850	50RB#50	21.48	25.48	33	PASS
Band7	20MHz	64QAM	20850	50RB#0	21.46	25.46	33	PASS
Band7	20MHz	64QAM	20850	50RB#25	21.47	25.47	33	PASS
Band7	20MHz	64QAM	20850	100RB#0	21.43	25.43	33	PASS
Band7	20MHz	64QAM	21100	1RB#0	22.46	26.46	33	PASS
Band7	20MHz	64QAM	21100	1RB#49	22.37	26.37	33	PASS
Band7	20MHz	64QAM	21100	1RB#99	22.39	26.39	33	PASS
Band7	20MHz	64QAM	21100	50RB#0	21.49	25.49	33	PASS
Band7	20MHz	64QAM	21100	50RB#25	21.53	25.53	33	PASS
Band7	20MHz	64QAM	21100	50RB#50	21.50	25.5	33	PASS
Band7	20MHz	64QAM	21100	100RB#0	21.44	25.44	33	PASS
Band7	20MHz	64QAM	21350	1RB#99	22.66	26.66	33	PASS



Band7	20MHz	64QAM	21350	1RB#0	22.71	26.71	33	PASS
Band7	20MHz	64QAM	21350	1RB#49	22.72	26.72	33	PASS
Band7	20MHz	64QAM	21350	50RB#0	21.78	25.78	33	PASS
Band7	20MHz	64QAM	21350	50RB#50	21.73	25.73	33	PASS
Band7	20MHz	64QAM	21350	50RB#25	21.79	25.79	33	PASS
Band7	20MHz	64QAM	21350	100RB#0	21.73	25.73	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.50	26.5	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.60	26.6	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.55	26.55	33	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.36	25.36	33	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.42	25.42	33	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.48	25.48	33	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.40	25.4	33	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.47	26.47	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.47	26.47	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.37	26.37	33	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.40	25.4	33	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.37	25.37	33	PASS
Band7	20MHz	16QAM	21100	50RB#50	21.34	25.34	33	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.34	25.34	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.48	26.48	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.31	26.31	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.40	26.4	33	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.20	25.2	33	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.36	25.36	33	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.42	25.42	33	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.31	25.31	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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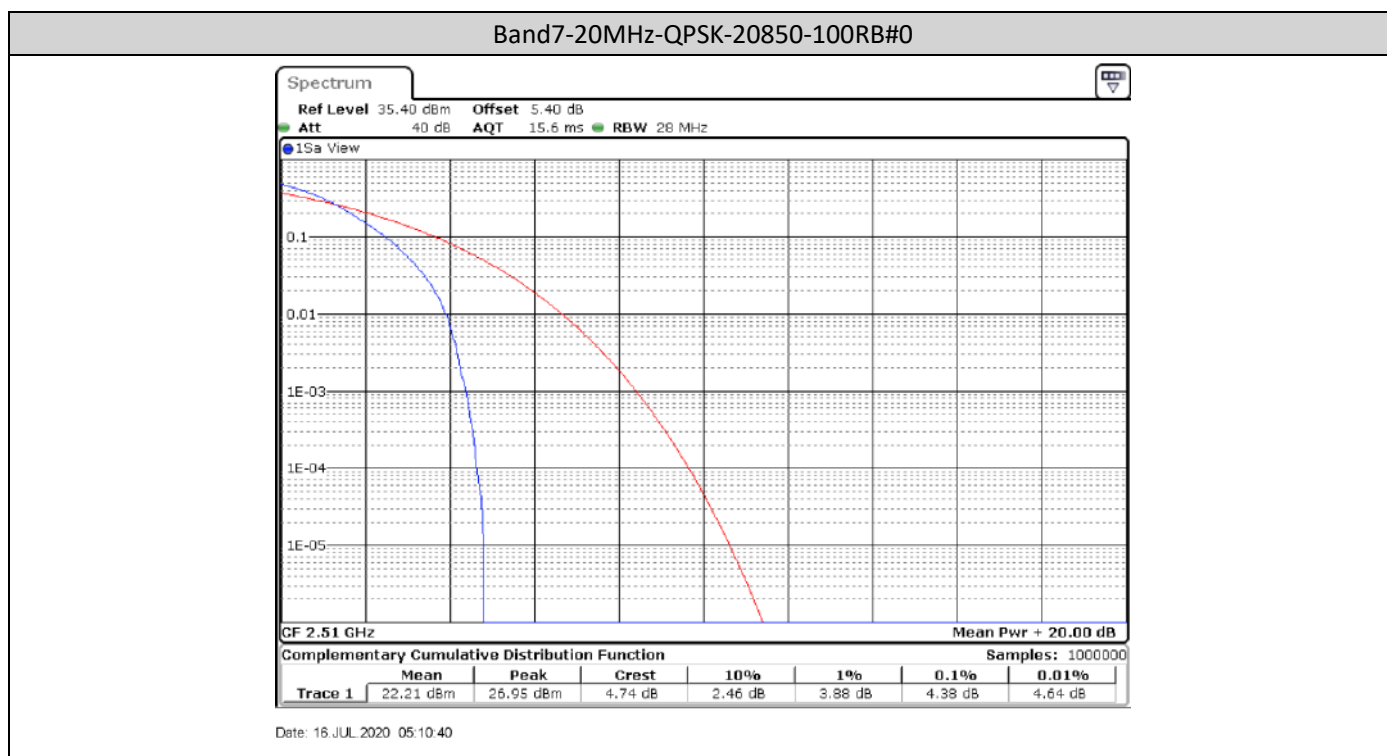


2. Peak-to-Average Ratio (CCDF)

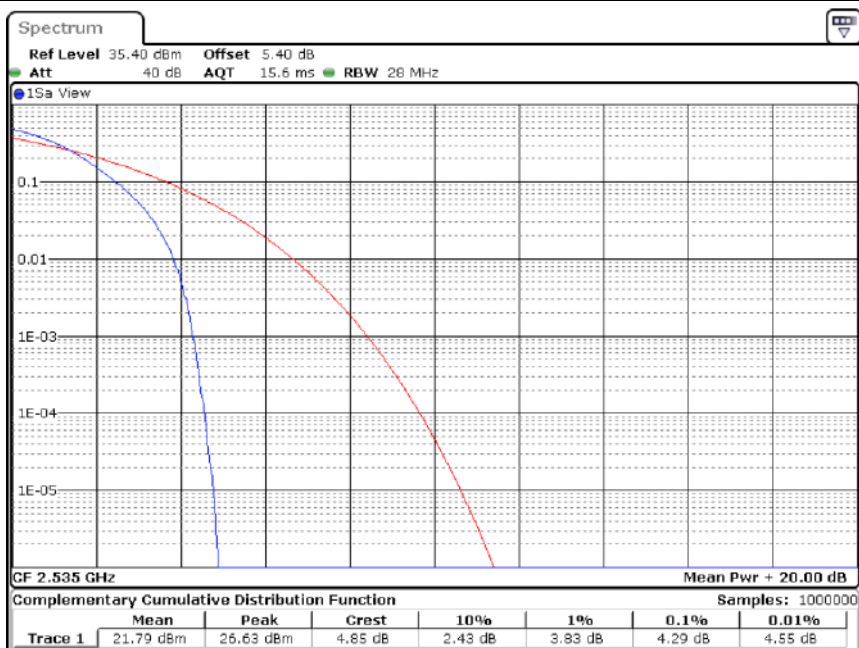
2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	4.38	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.29	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.35	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	5.62	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	4.99	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	5.74	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.48	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.33	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.45	13	PASS

2.2. Test Plots

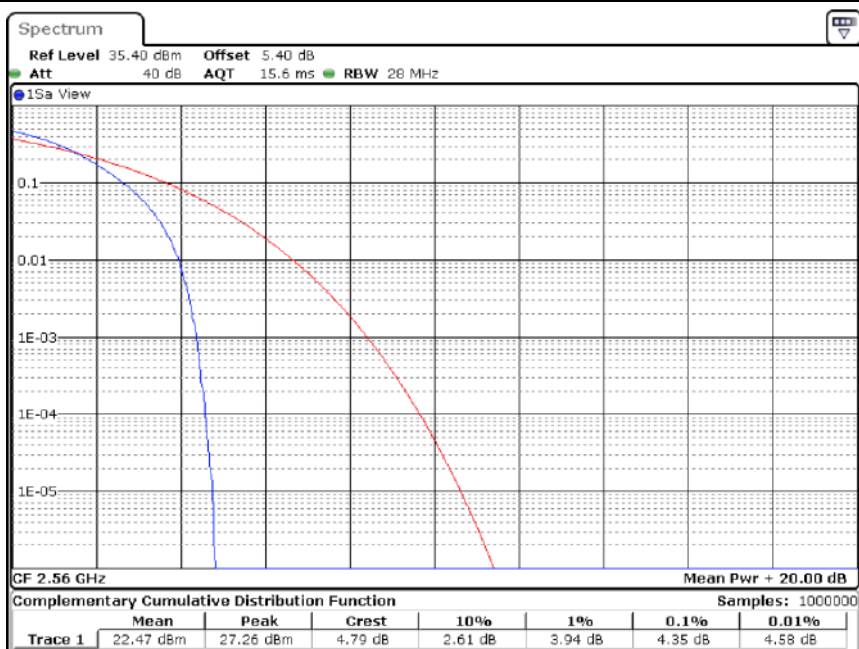


Band7-20MHz-QPSK-21100-100RB#0



Date: 16 JUL 2020 05:11:03

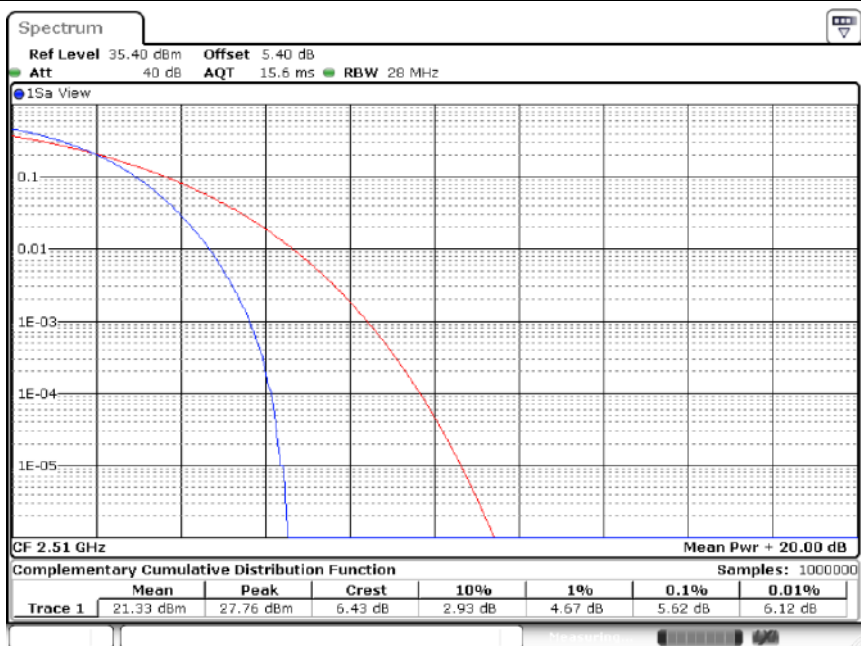
Band7-20MHz-QPSK-21350-100RB#0



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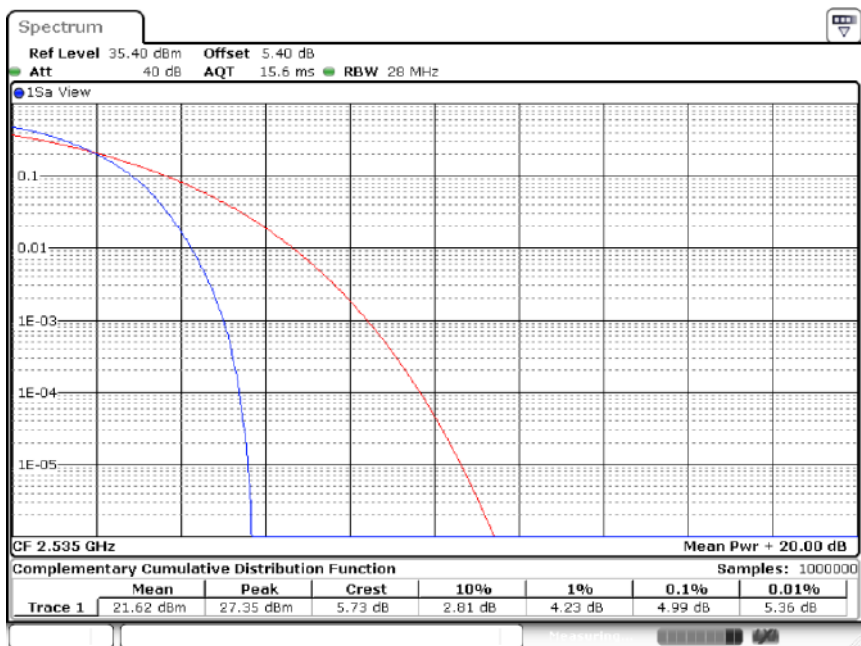


Band7-20MHz-64QAM-20850-100RB#0



Date: 11 AUG 2020 00:11:32

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



Date: 11 AUG 2020 00:11:43



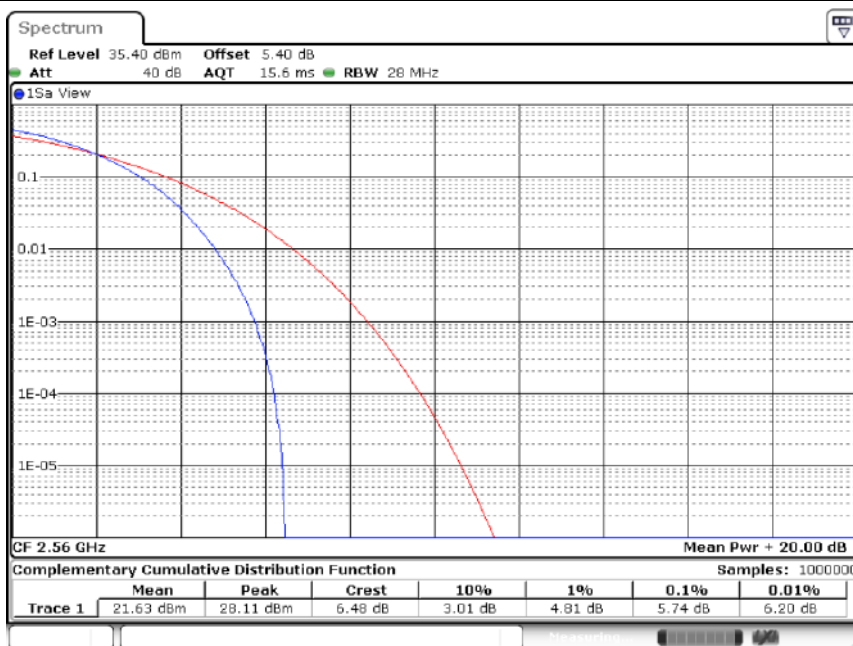
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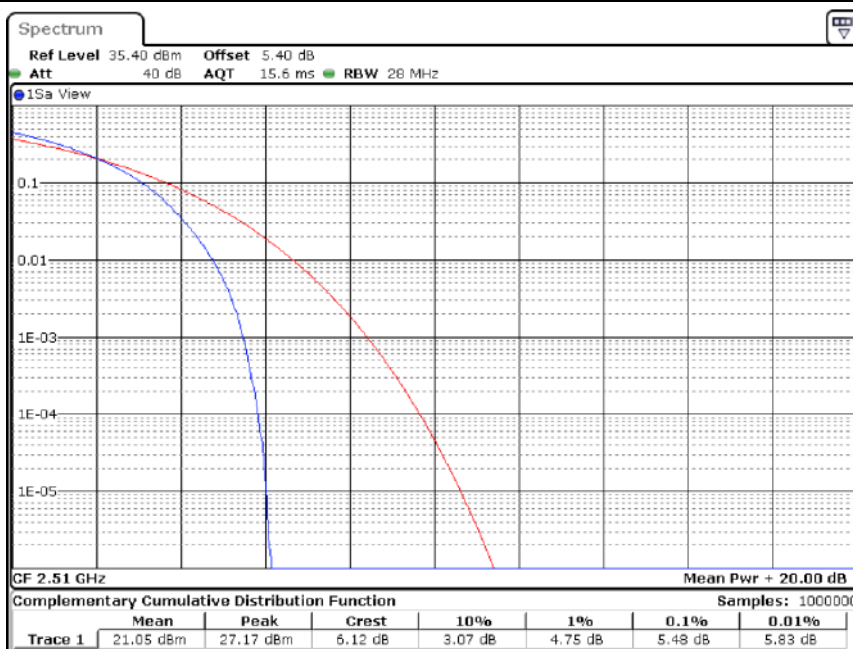
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Band7-20MHz-64QAM-21350-100RB#0



Date: 11 AUG 2020 00:11:55

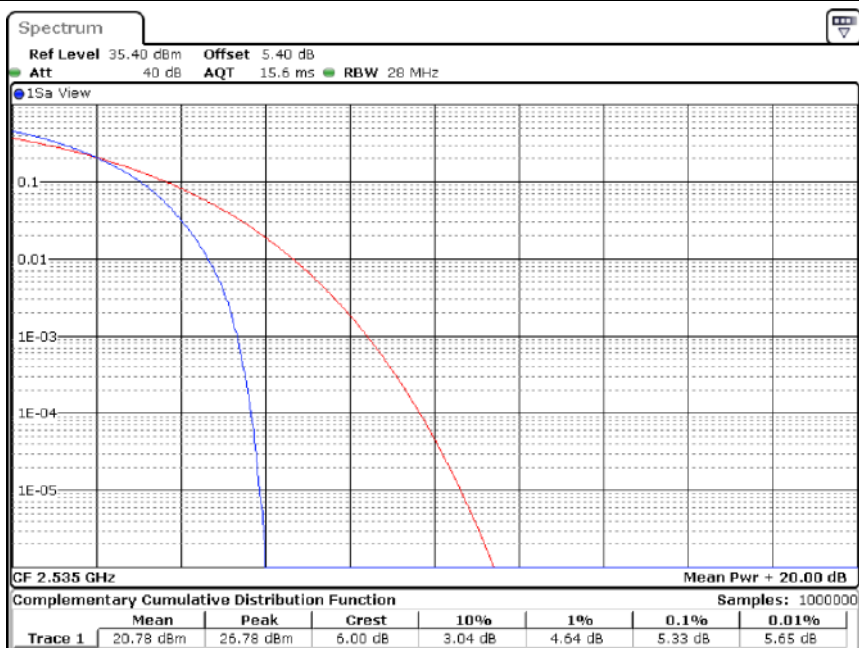
Band7-20MHz-16QAM-20850-100RB#0



Date: 16 JUL 2020 05:10:51

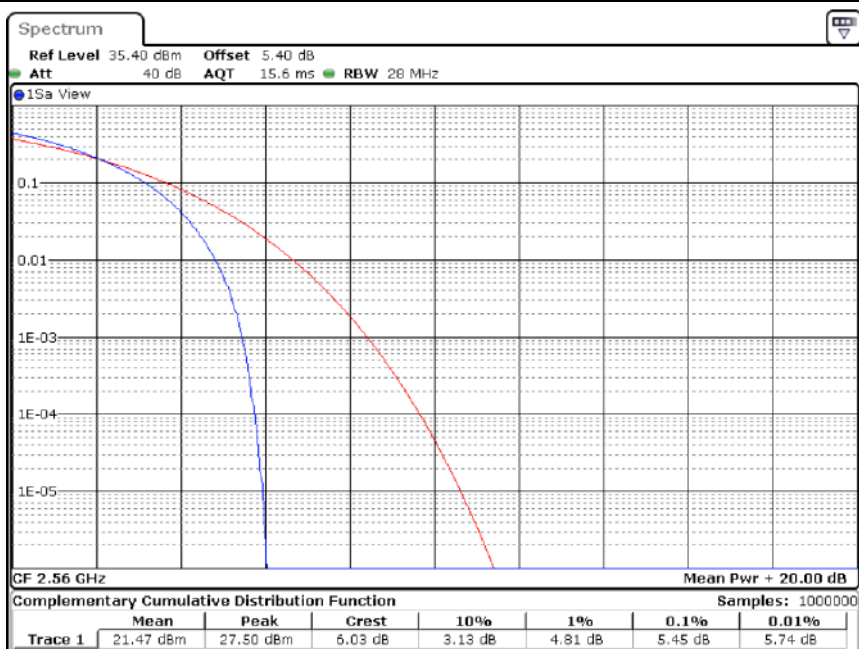


Band7-20MHz-16QAM-21100-100RB#0



Date: 16 JUL 2020 05:11:15

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



Date: 16 JUL 2020 05:11:38



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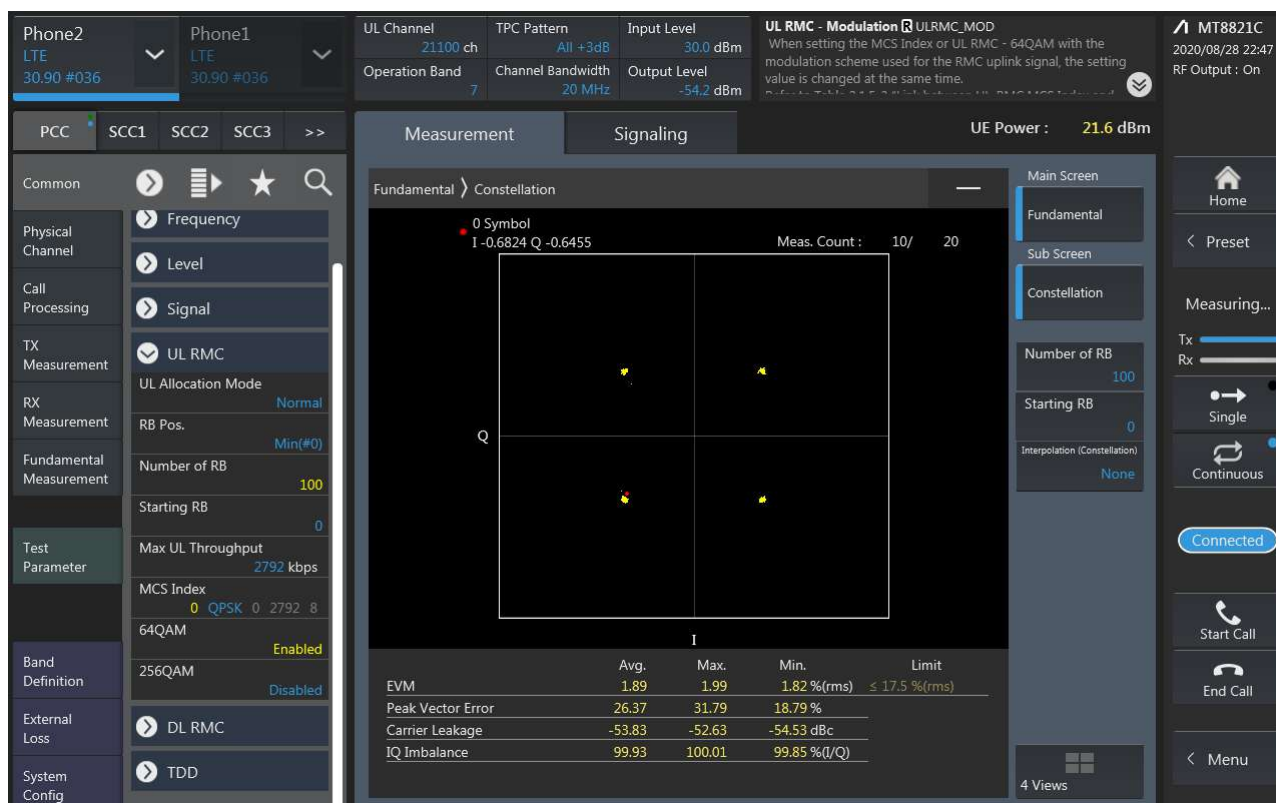
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

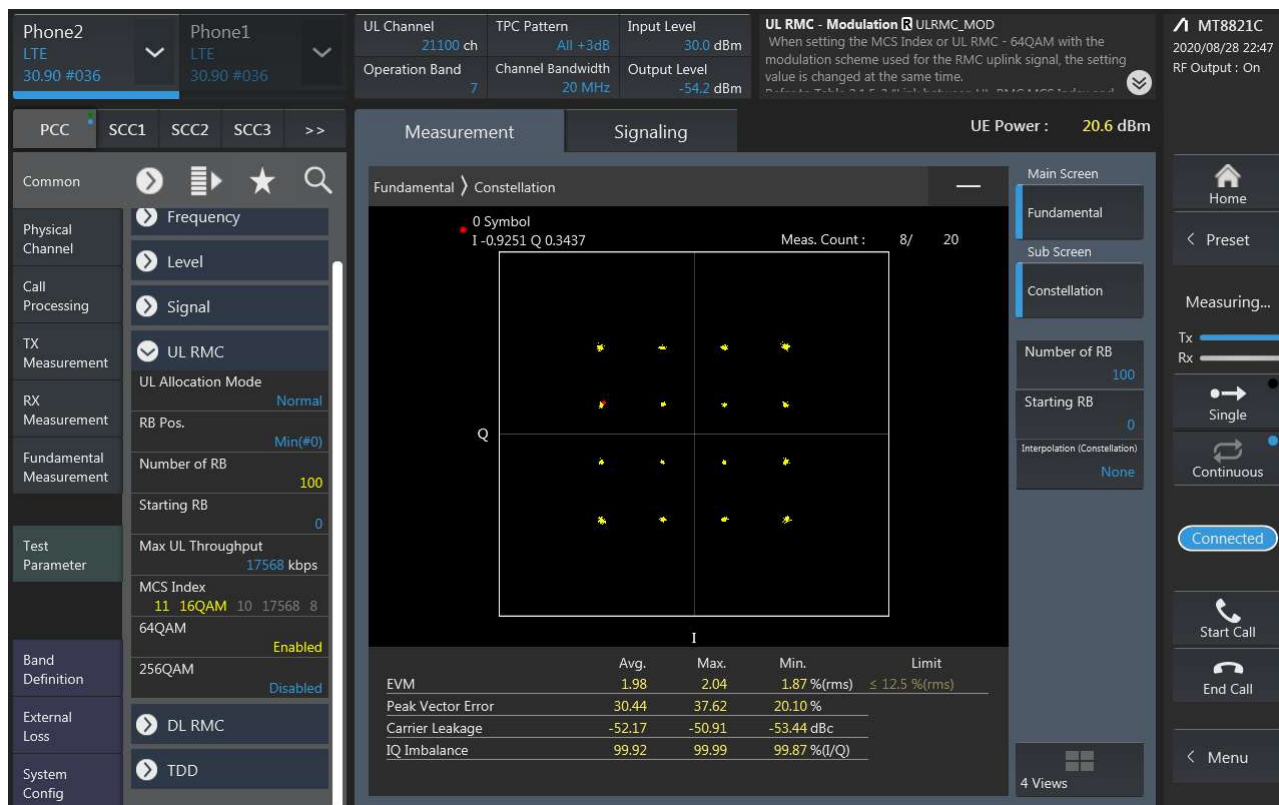
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH



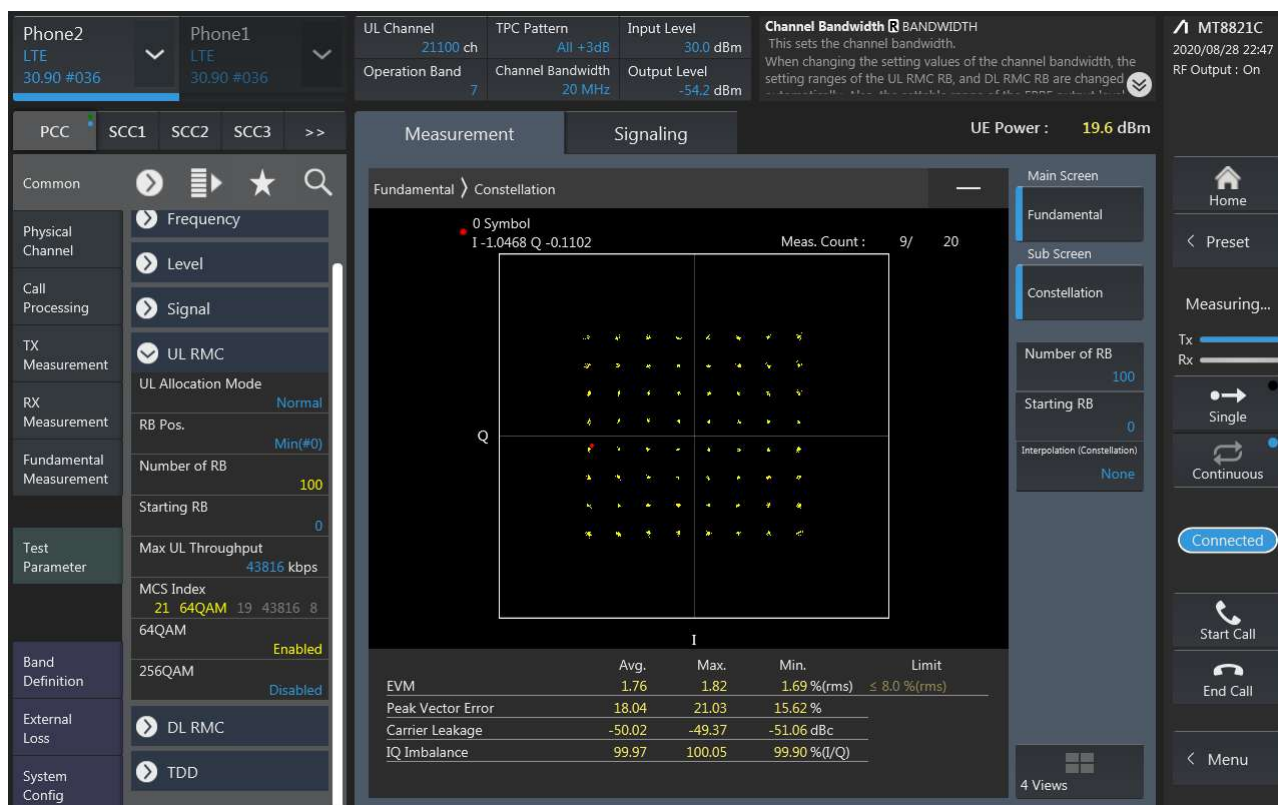
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3.3. Test Mode = LTE /TM3 20MHz

3.3.1.Test Channel = MCH





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	4.890	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.870	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.466	4.880	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.476	4.720	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.496	5.030	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.486	4.800	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.476	4.890	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.486	4.930	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.486	4.920	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.931	9.620	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.931	9.640	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.931	9.660	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.931	9.700	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.951	9.800	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.911	9.640	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.931	9.700	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.931	9.720	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.931	9.700	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.457	14.730	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.457	14.670	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.427	14.730	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.427	14.820	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.457	14.820	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.457	14.700	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.427	14.700	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.457	14.700	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.457	14.730	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.862	19.400	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.902	19.560	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.902	19.480	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.862	19.320	PASS



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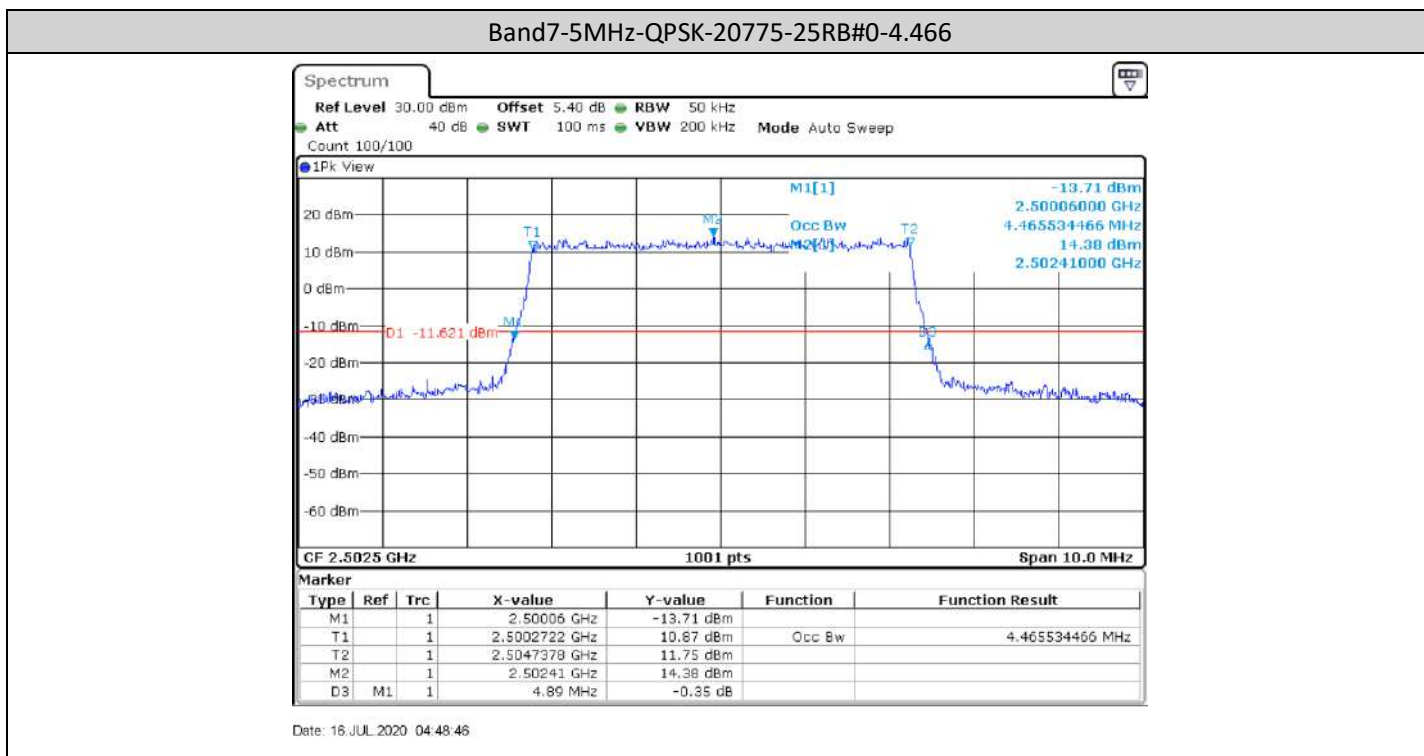
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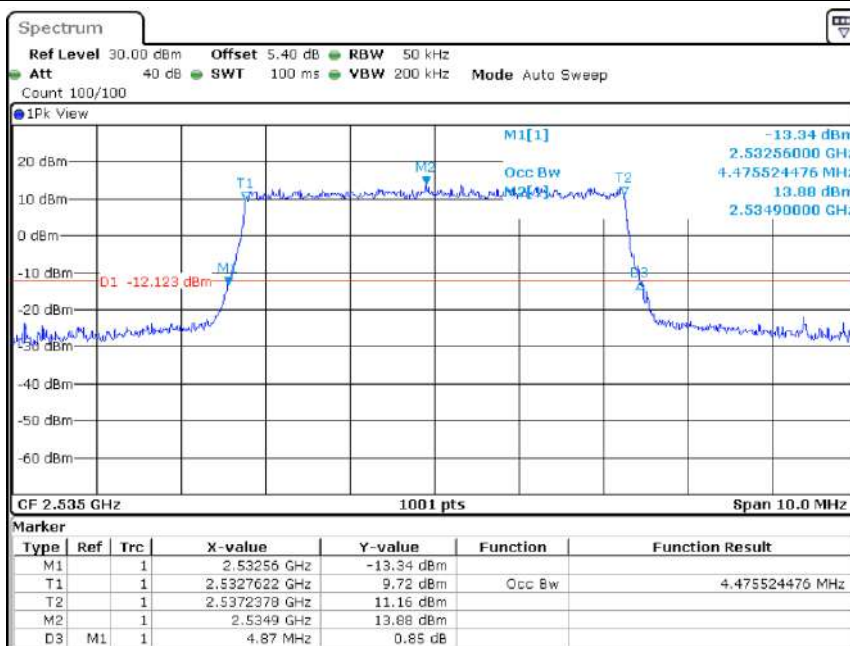
Band7	20MHz	64QAM	21100	100RB#0	17.942	19.600	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.902	19.440	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.862	19.280	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.862	19.440	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.902	19.480	PASS

4.2. Test Plots



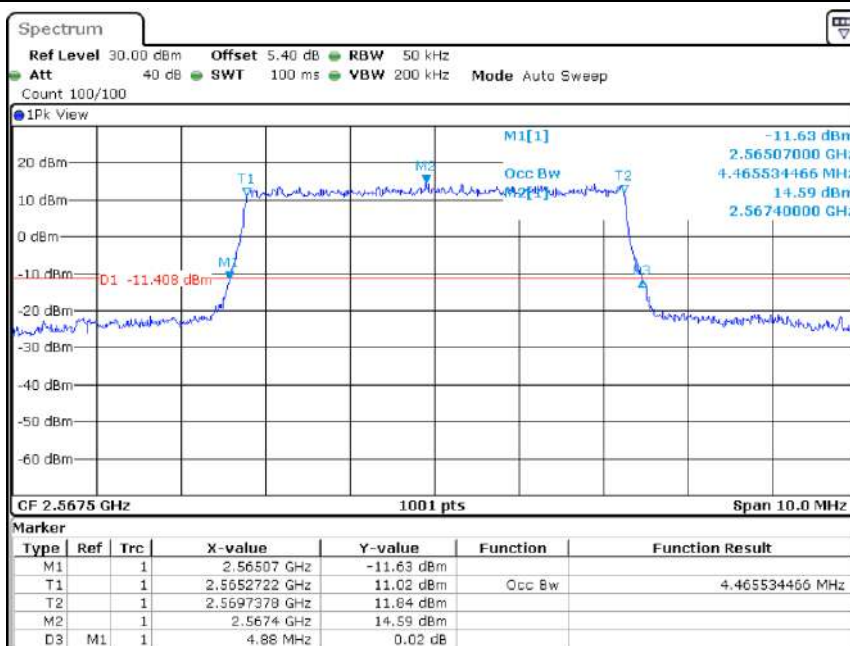
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Band7-5MHz-QPSK-21100-25RB#0-4.476



Date: 16 JUL 2020 04:49:25

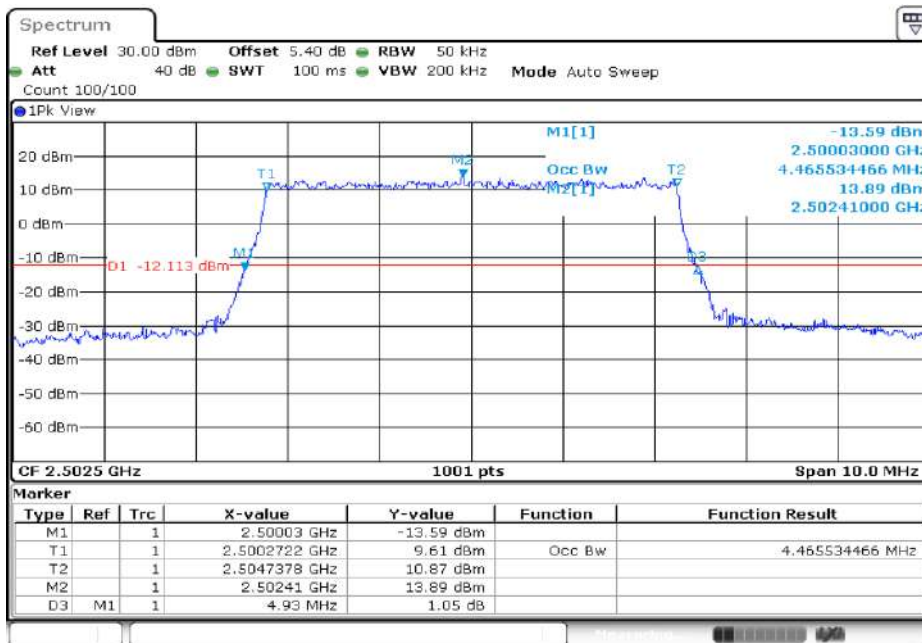
Band7-5MHz-QPSK-21425-25RB#0-4.466



Date: 16 JUL 2020 04:50:05

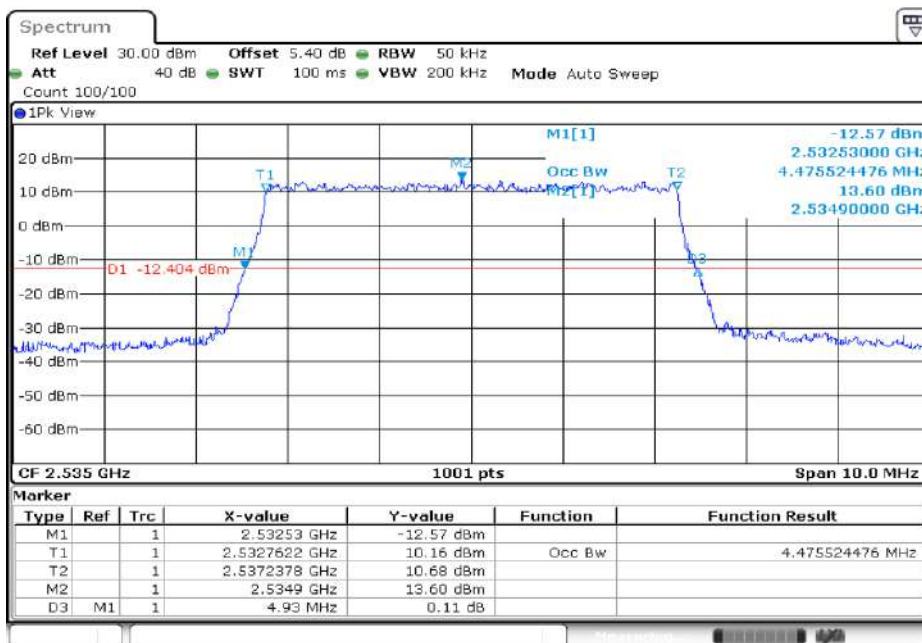


Band7-5MHz-64QAM-20775-25RB#0-4.465



Date: 27 JUN 2020 14:01:45

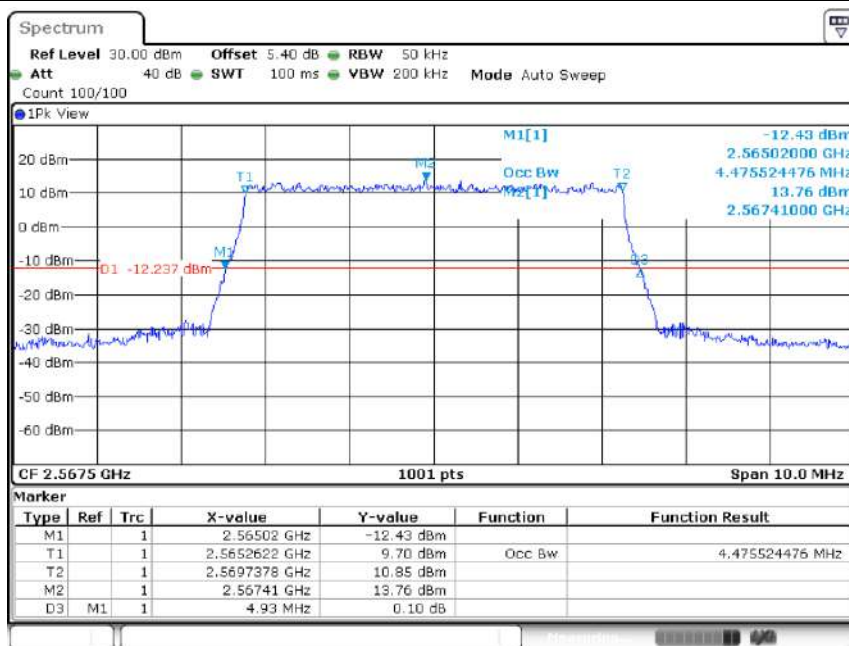
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Date: 27 JUN 2020 14:02:24

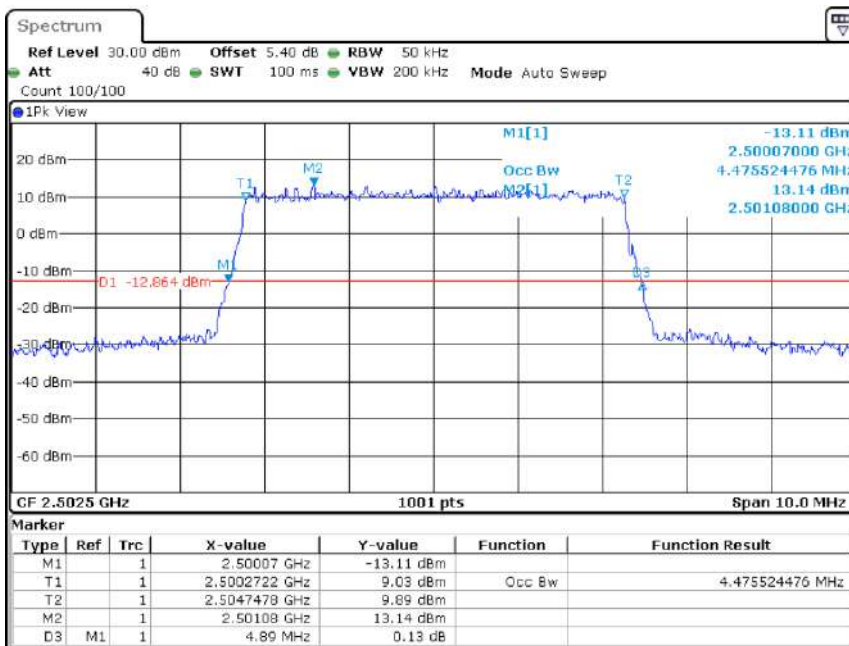


Band7-5MHz-64QAM-21425-25RB#0-4.475



Date: 27 JUN 2020 14:03:05

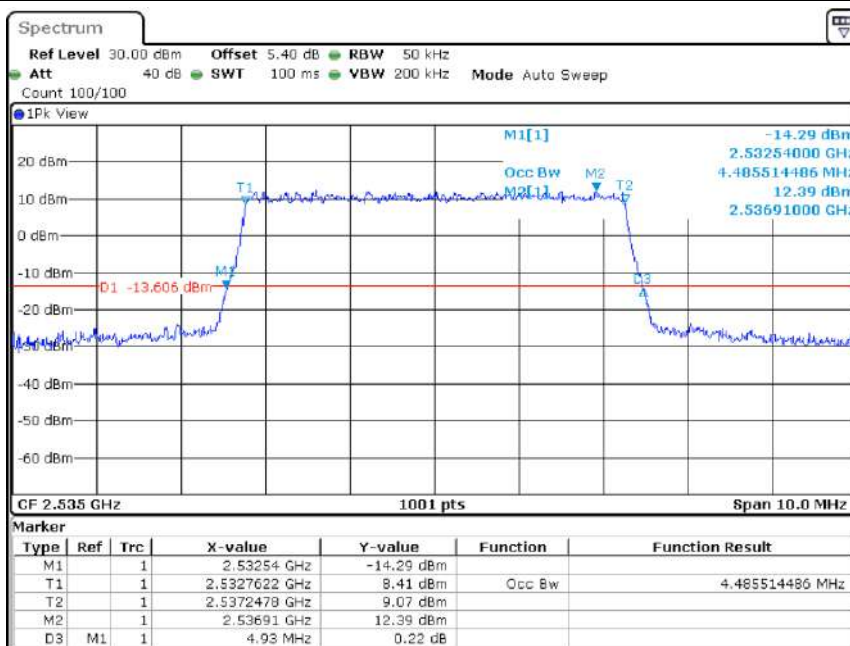
Band7-5MHz-16QAM-20775-25RB#0-4.476



Date: 16 JUL 2020 04:49:05

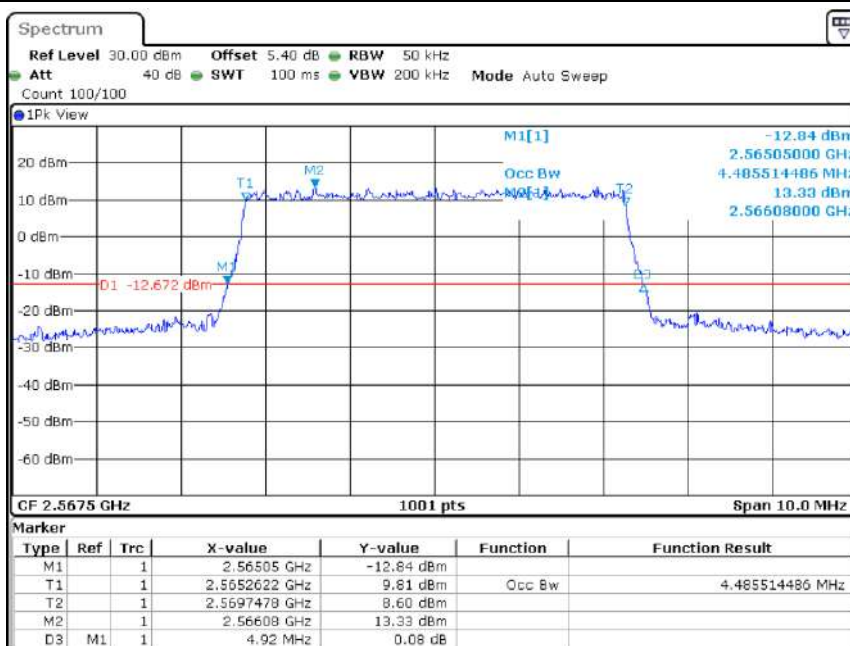


Band7-5MHz-16QAM-21100-25RB#0-4.486



Date: 16 JUL 2020 04:49:45

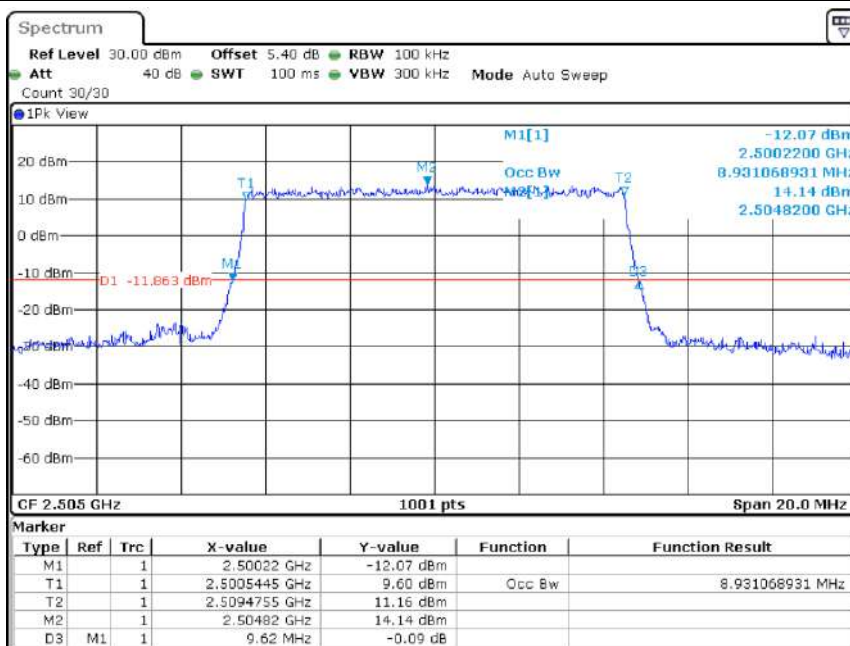
Band7-5MHz-16QAM-21425-25RB#0-4.486



Date: 16 JUL 2020 04:50:24

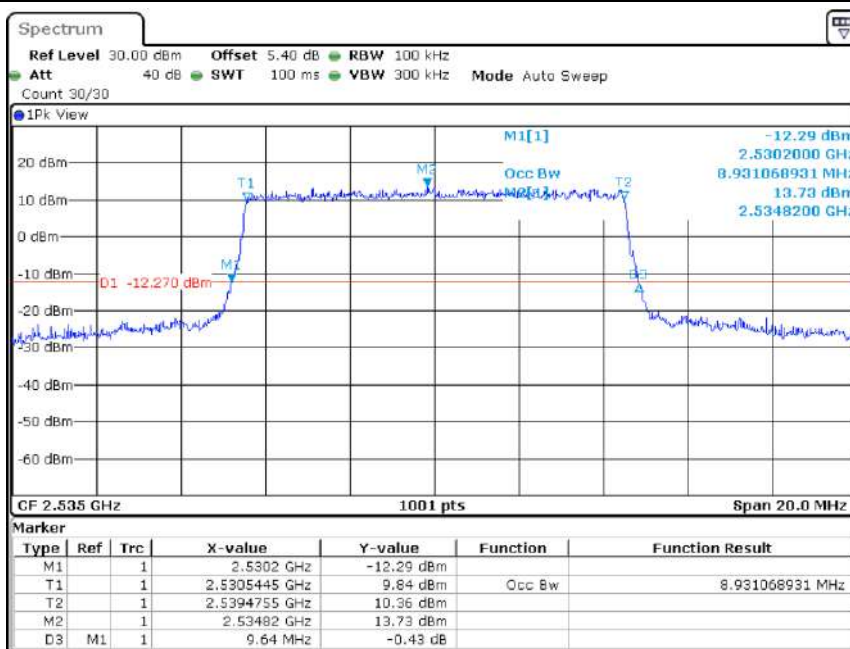


Band7-10MHz-QPSK-20800-50RB#0-8.931



Date: 16 JUL 2020 04:50:42

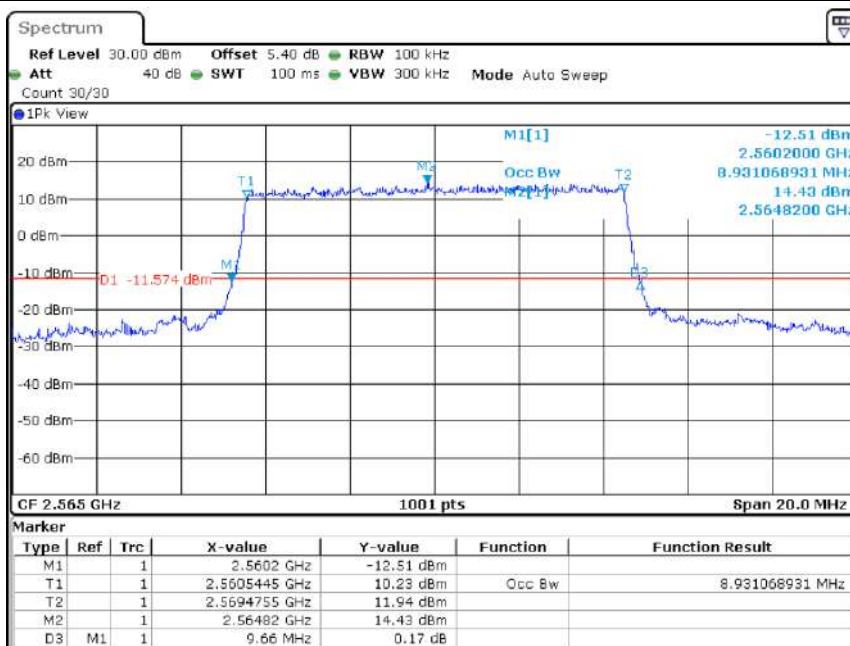
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Date: 16 JUL 2020 04:51:08

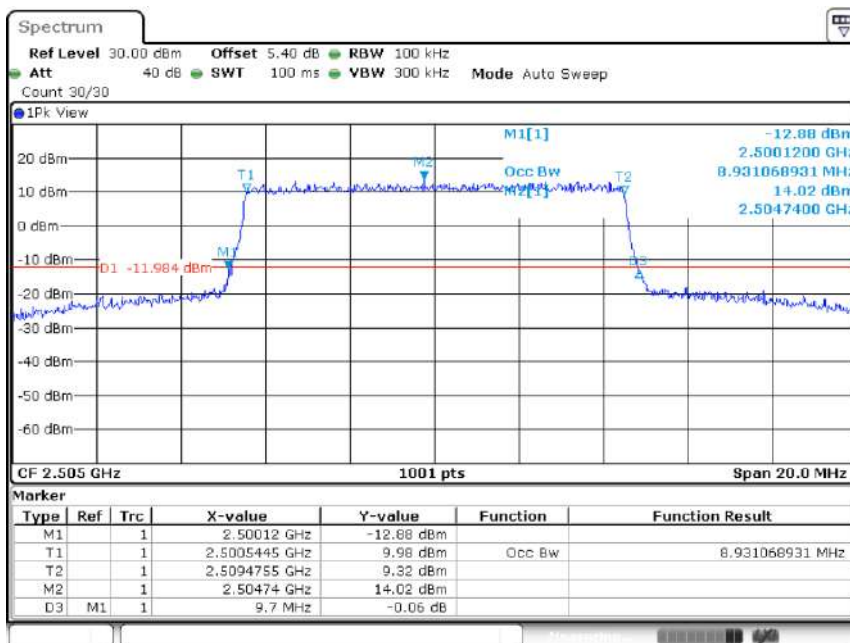


Band7-10MHz-QPSK-21400-50RB#0-8.931



Date: 18 JUL 2020 04:51:33

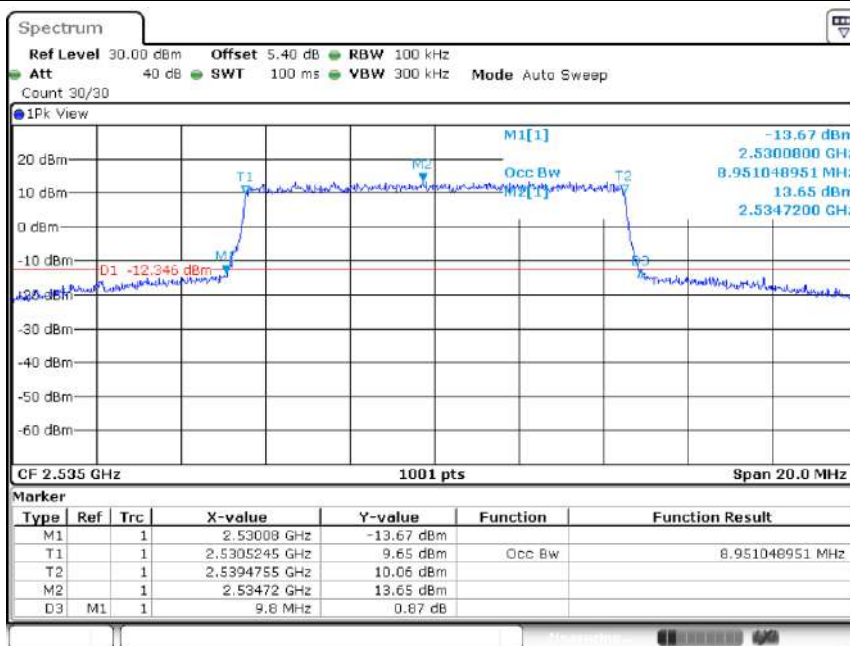
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Date: 11 AUG 2020 00:00:34

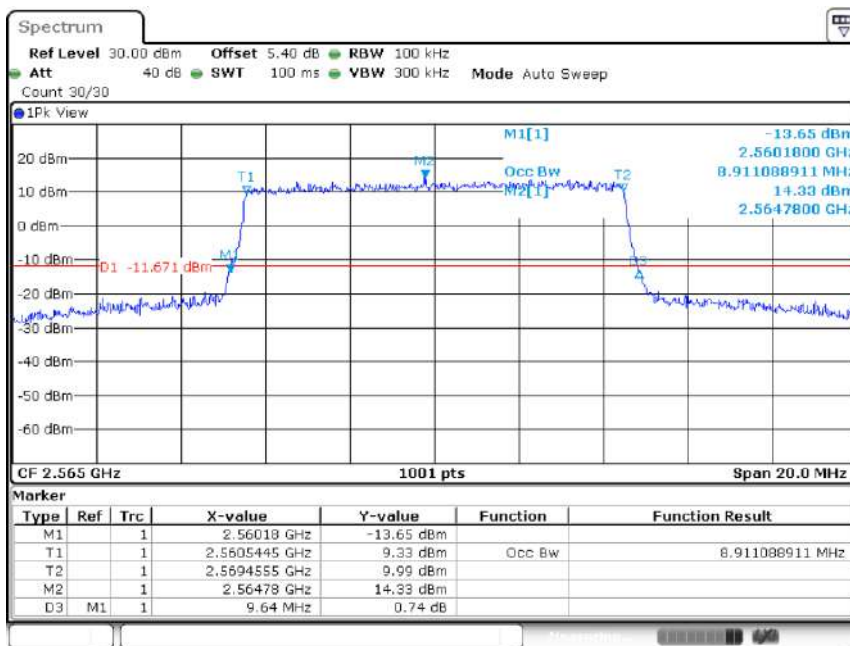


Band7-10MHz-64QAM-21100-50RB#0-8.951



Date: 11 AUG 2020 00:00:47

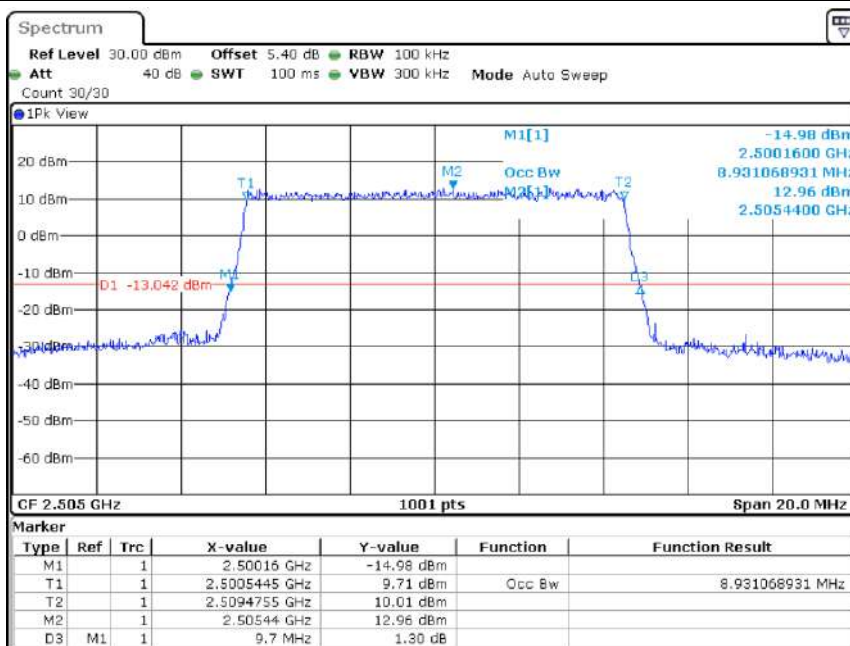
Band7-10MHz-64QAM-21400-50RB#0-8.911



Date: 11 AUG 2020 00:01:00

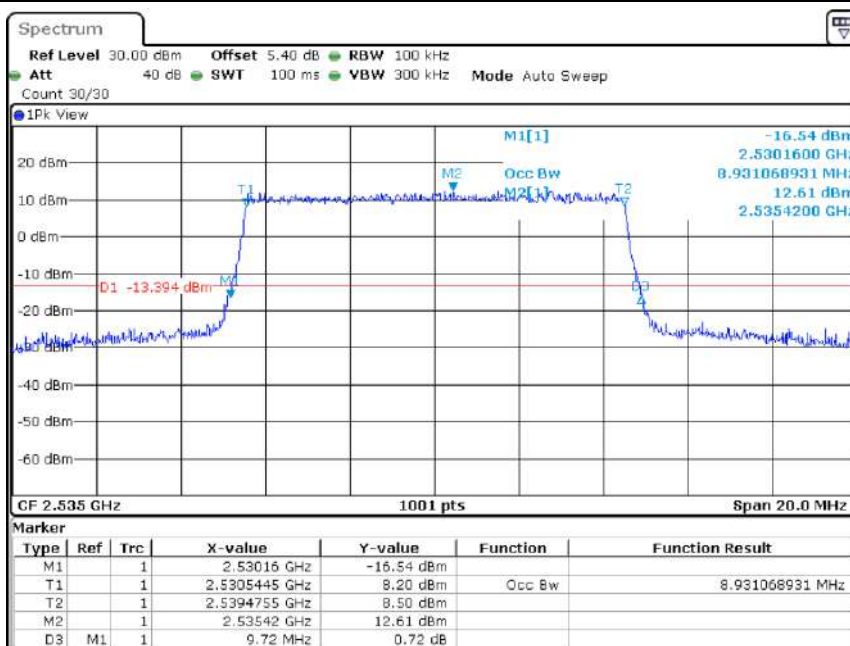


Band7-10MHz-16QAM-20800-50RB#0-8.931



Date: 16 JUL 2020 04:50:55

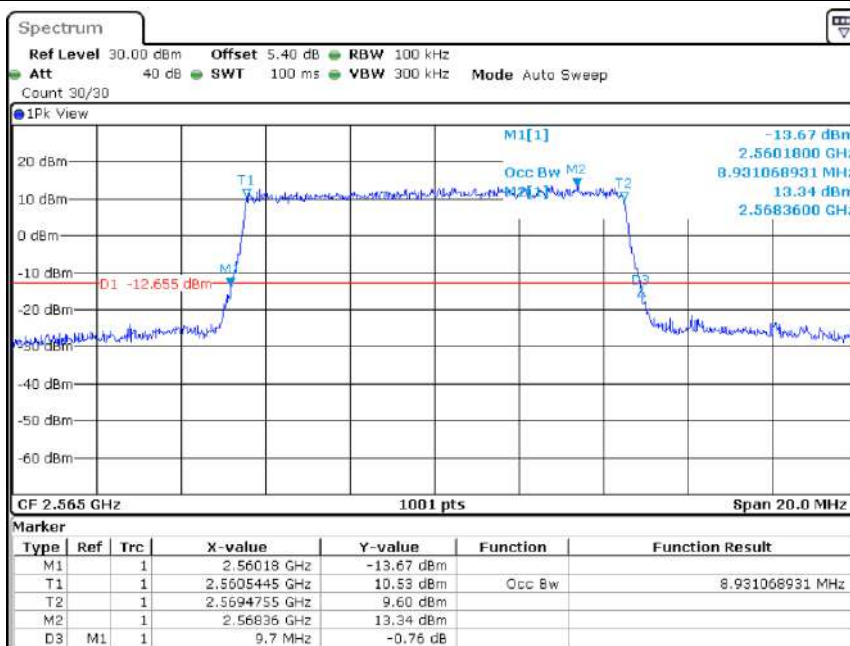
Band7-10MHz-16QAM-21100-50RB#0-8.931



Date: 16 JUL 2020 04:51:20

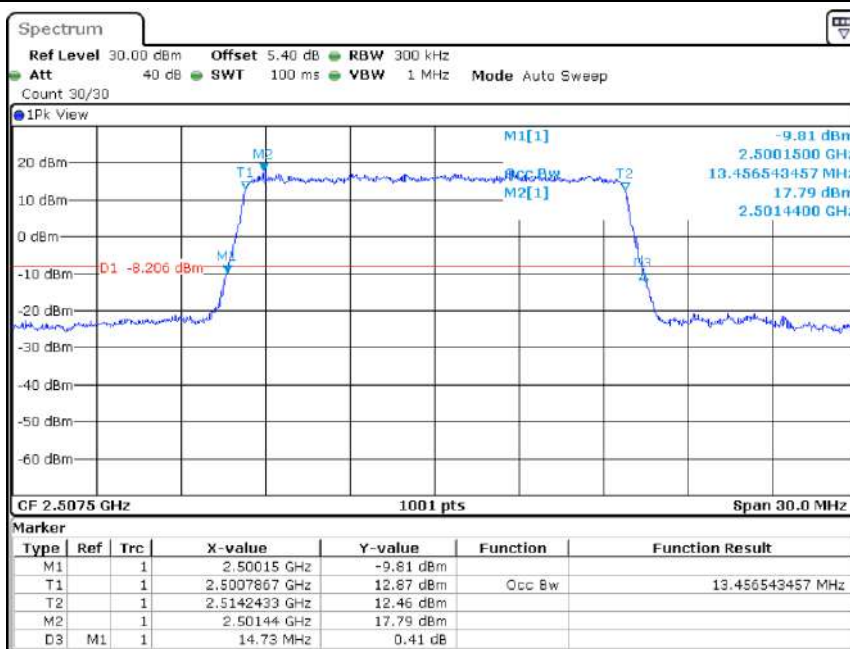


Band7-10MHz-16QAM-21400-50RB#0-8.931



Date: 16 JUL 2020 04:51:46

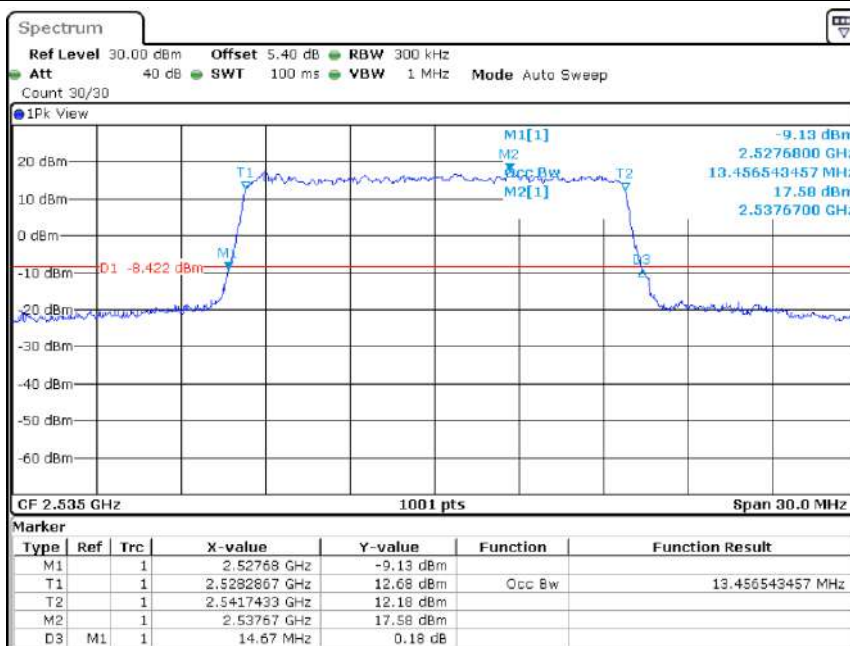
Band7-15MHz-QPSK-20825-75RB#0-13.457



Date: 16 JUL 2020 04:52:04

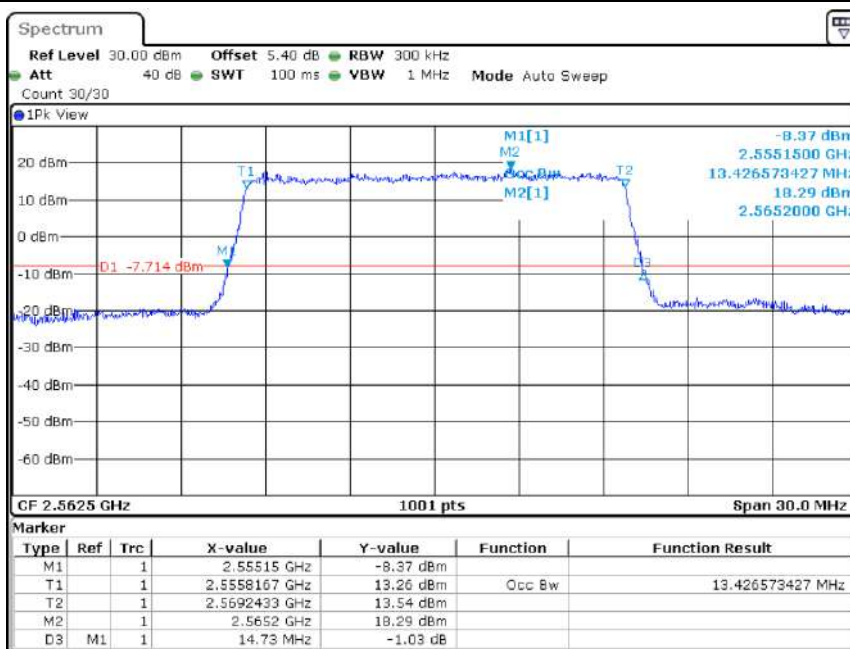


Band7-15MHz-QPSK-21100-75RB#0-13.457



Date: 16 JUL 2020 04:52:29

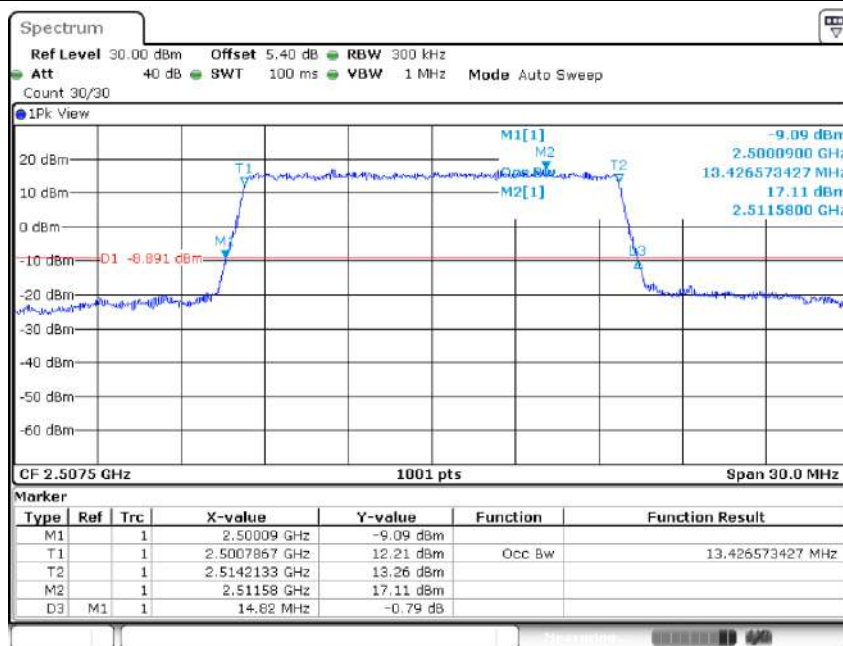
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Date: 16 JUL 2020 04:52:55

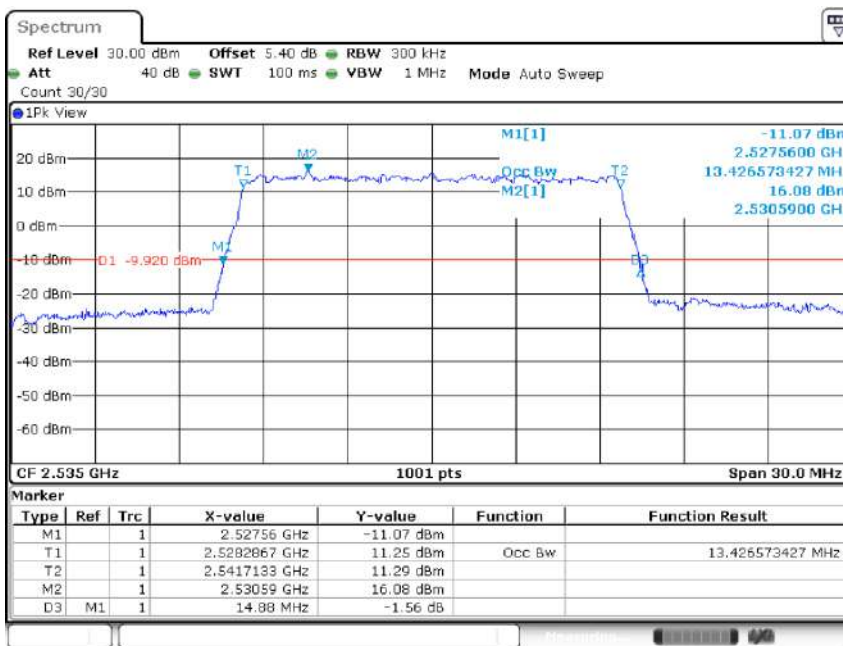


Band7-15MHz-64QAM-20825-75RB#0-13.427



Date: 14 AUG 2020 23:21:37

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



Date: 15 AUG 2020 02:20:53



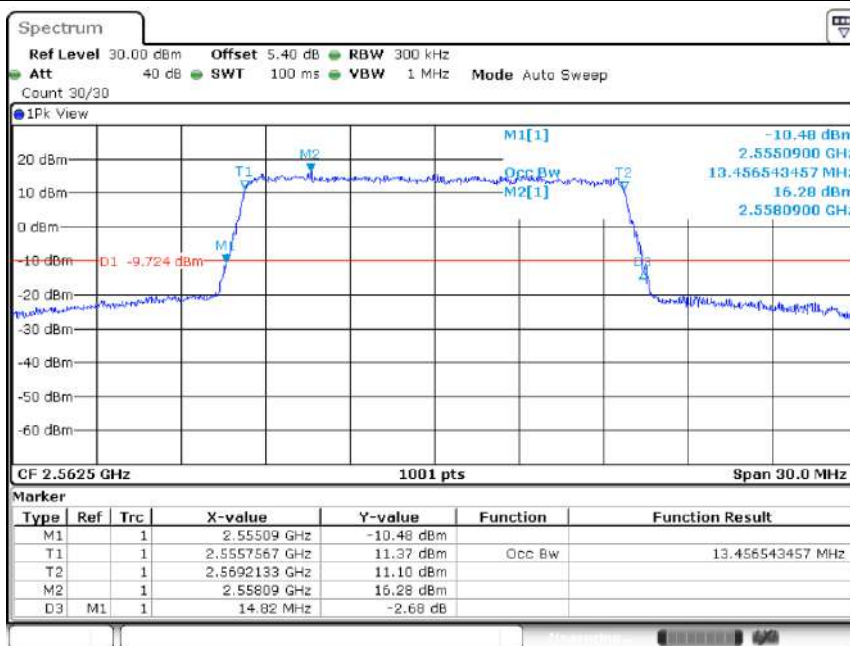
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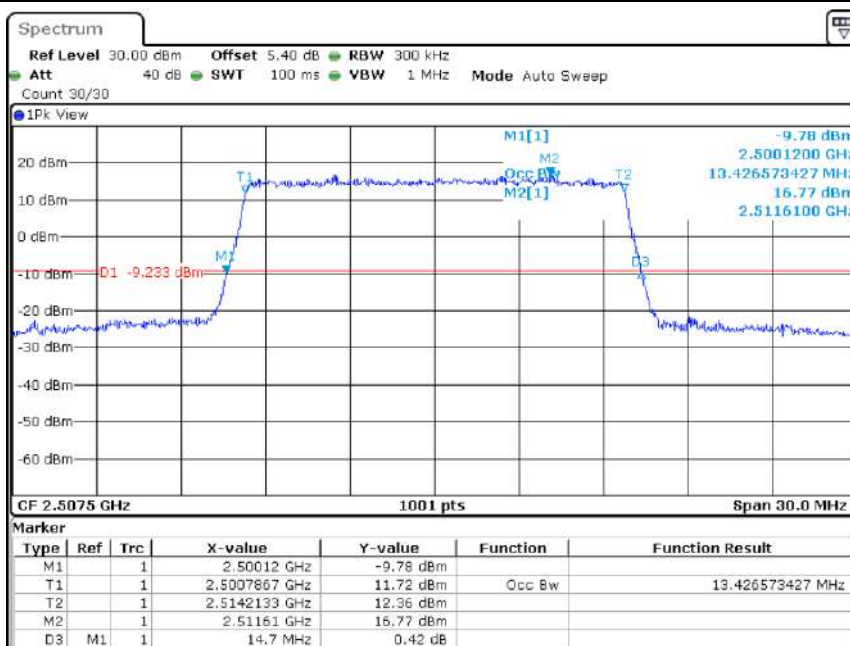
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中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 15.AUG.2020 02:21:06

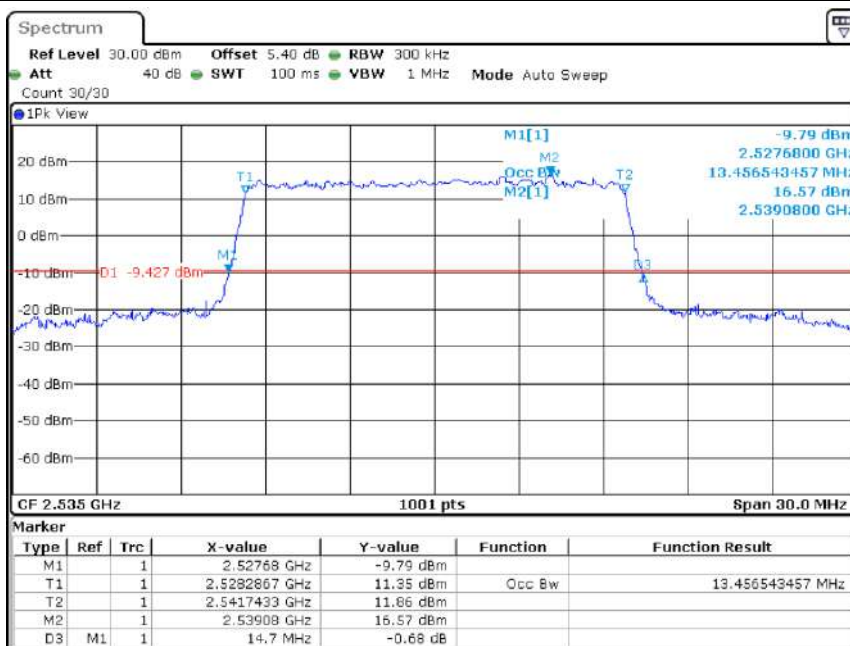
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Date: 16.JUL.2020 04:52:16

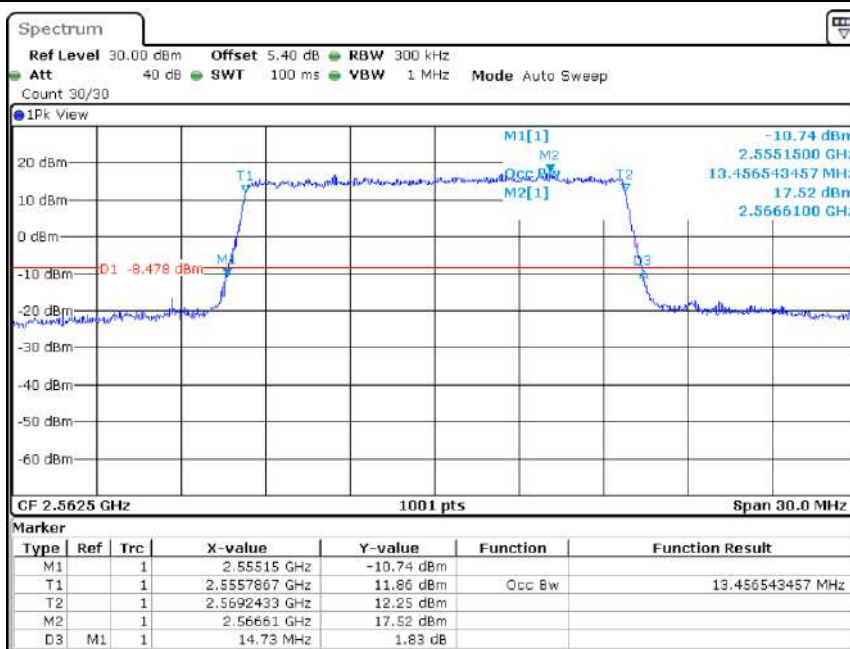


Band7-15MHz-16QAM-21100-75RB#0-13.457



Date: 16 JUL 2020 04:52:42

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



Date: 16 JUL 2020 04:53:08



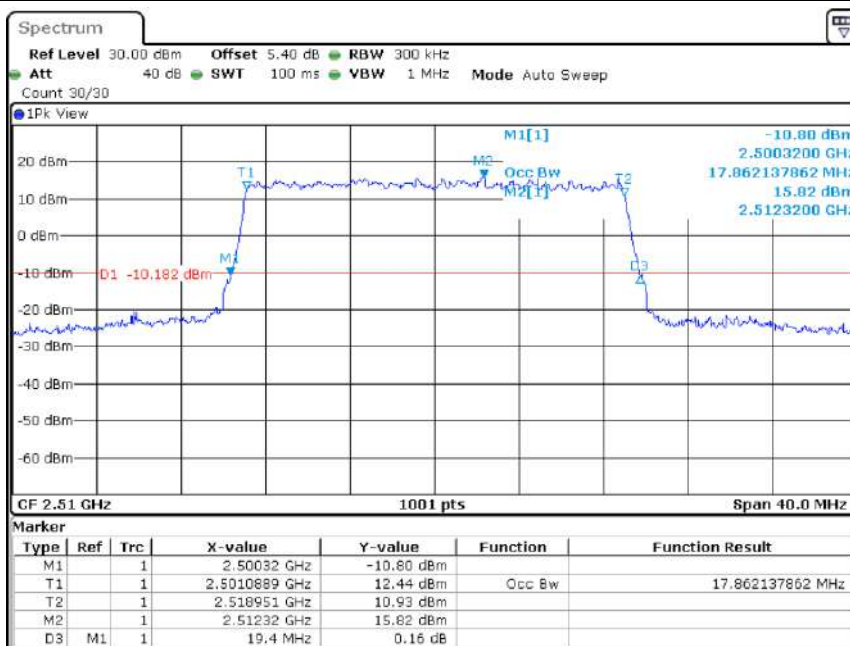
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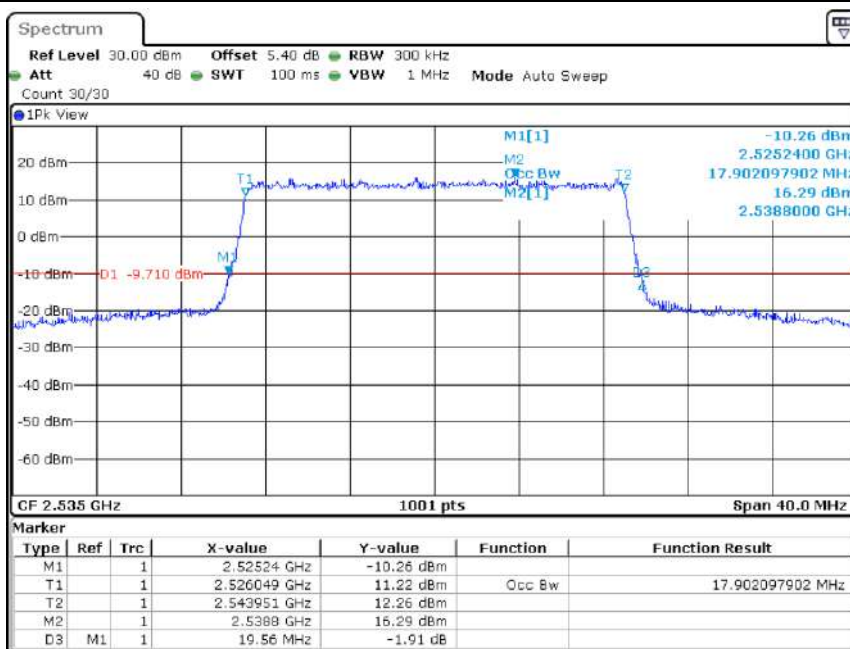
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中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 16 JUL 2020 04:53:25

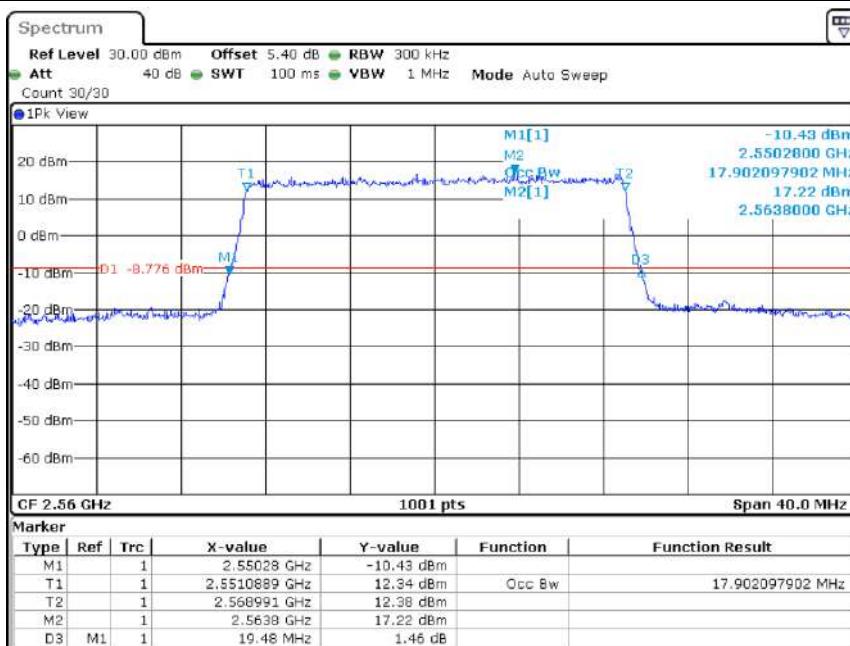
Band7-20MHz-QPSK-21100-100RB#0-17.902



Date: 16 JUL 2020 04:53:51

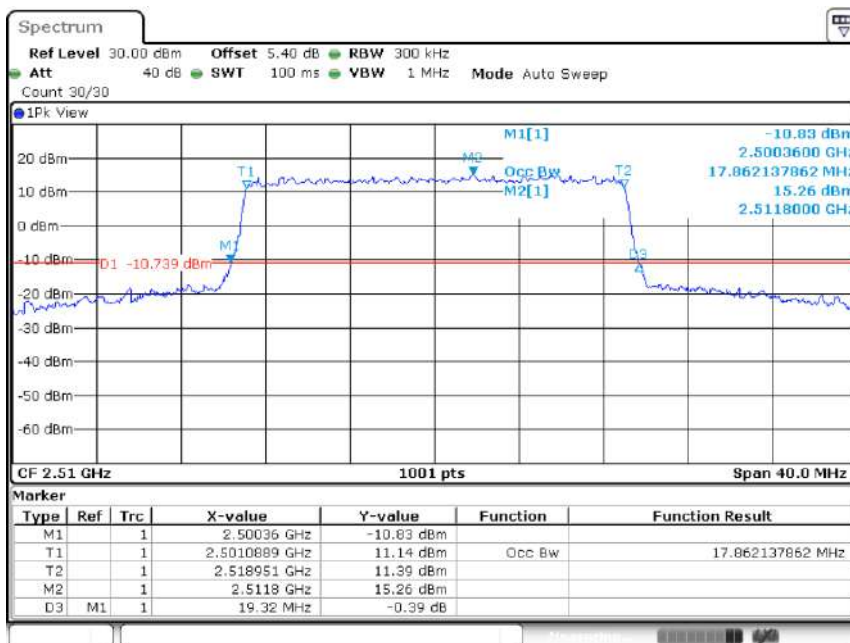


Band7-20MHz-QPSK-21350-100RB#0-17.902



Date: 18 JUL 2020 04:54:16

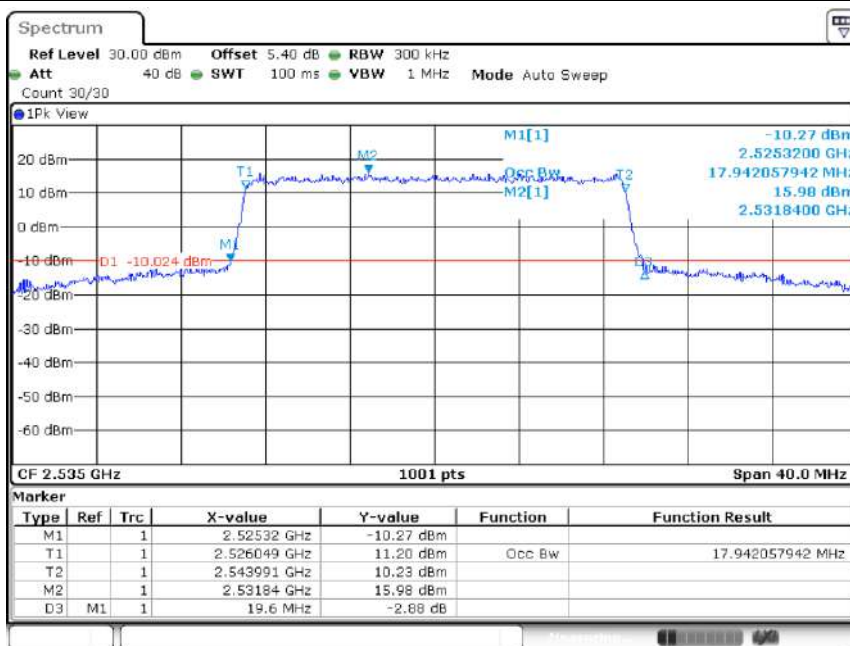
Band7-20MHz-64QAM-20850-100RB#0-17.862



Date: 11 AUG 2020 00:02:05

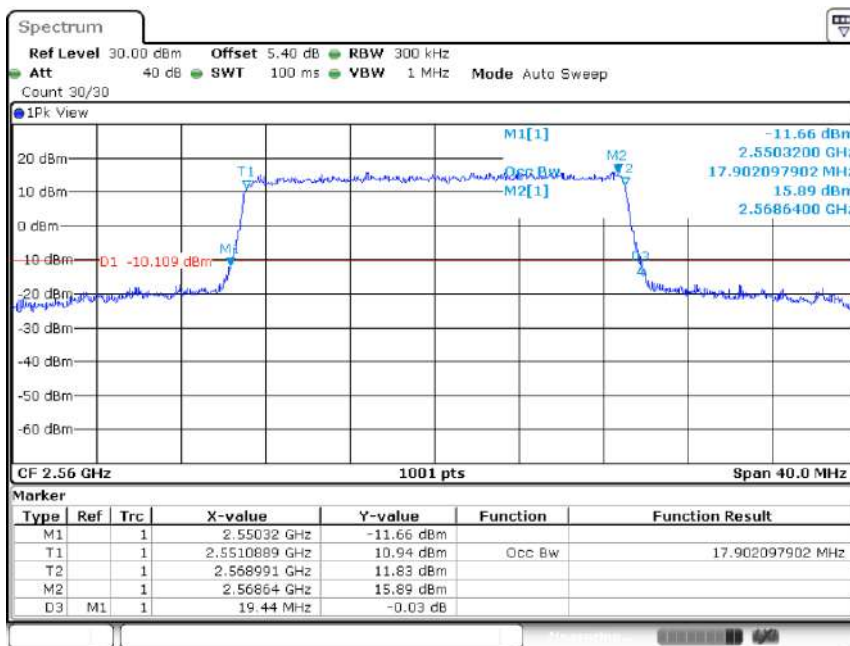


Band7-20MHz-64QAM-21100-100RB#0-17.942



Date: 11 AUG 2020 00:02:18

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



Date: 11 AUG 2020 00:02:31



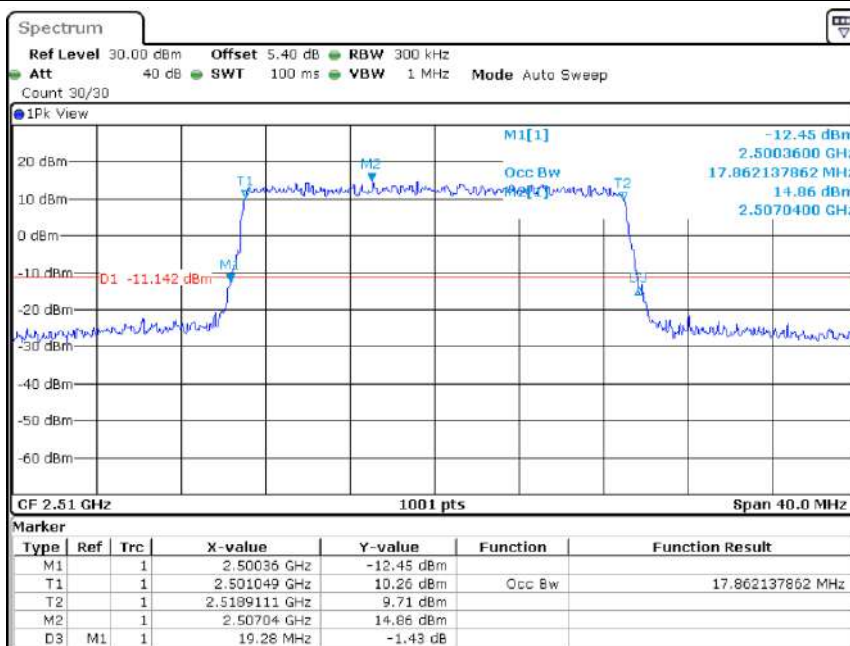
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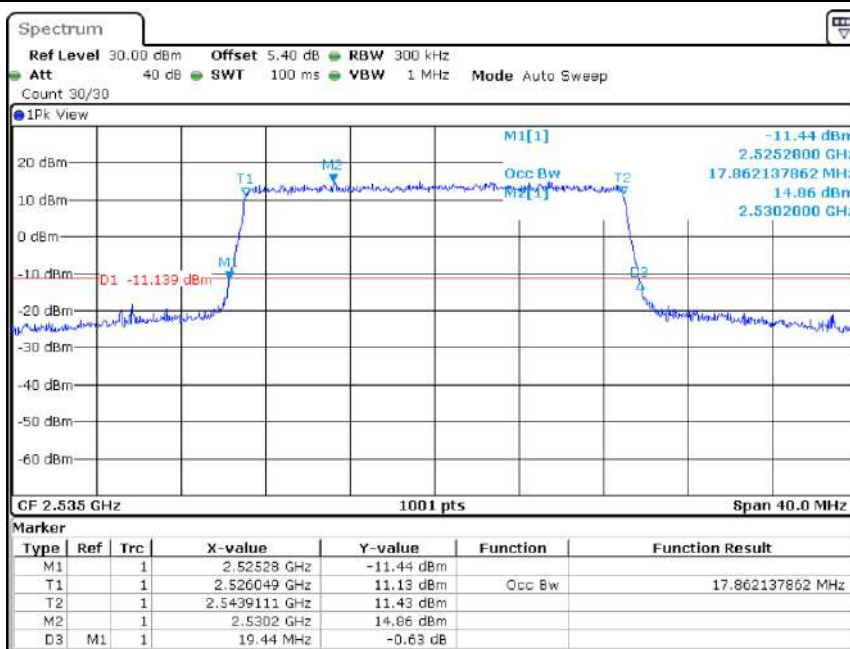
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Band7-20MHz-16QAM-20850-100RB#0-17.862



Date: 16 JUL 2020 04:53:38

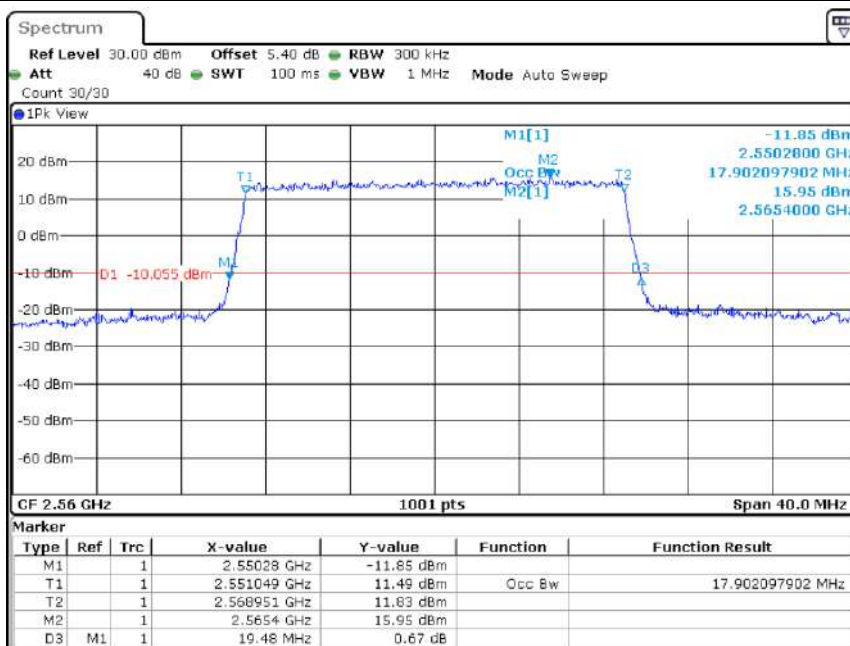
Band7-20MHz-16QAM-21100-100RB#0-17.862



Date: 16 JUL 2020 04:54:03



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

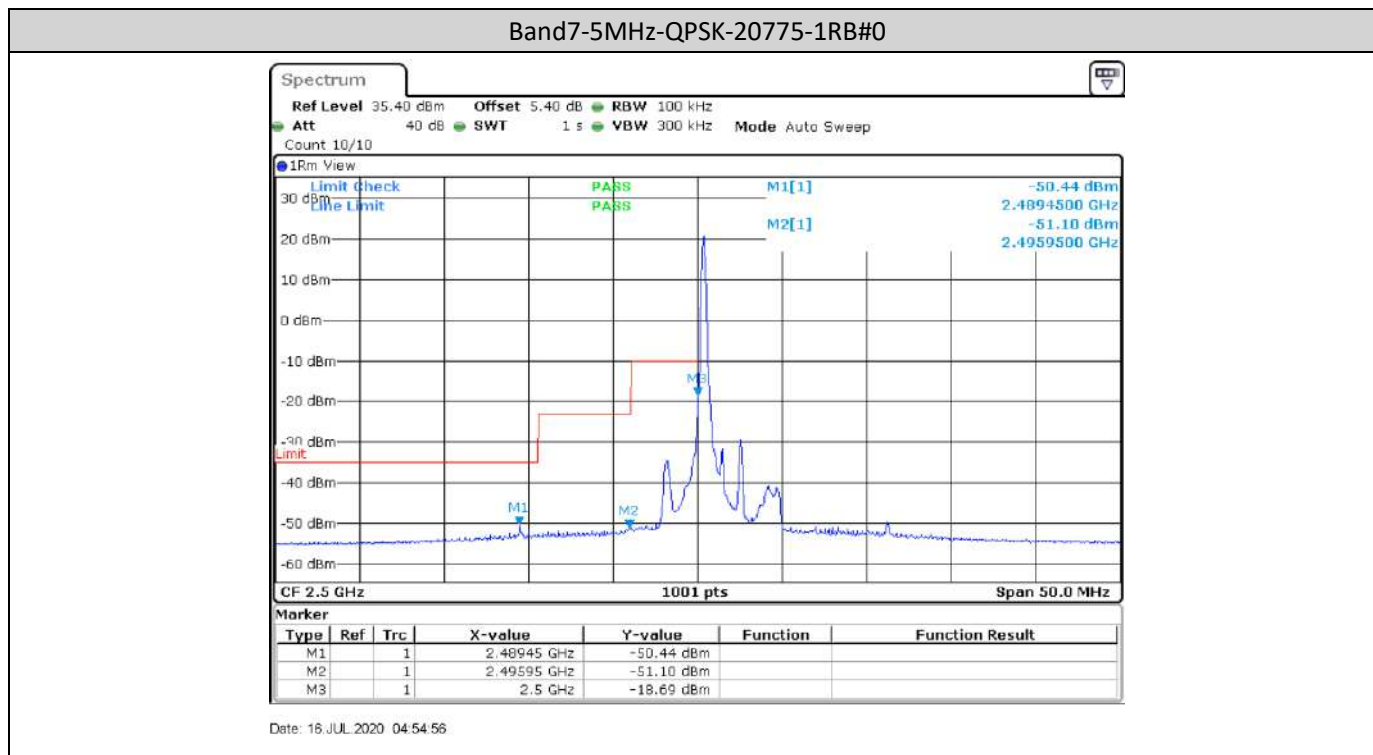


Date: 18 JUL 2020 04:54:29



5. Band Edge Compliance

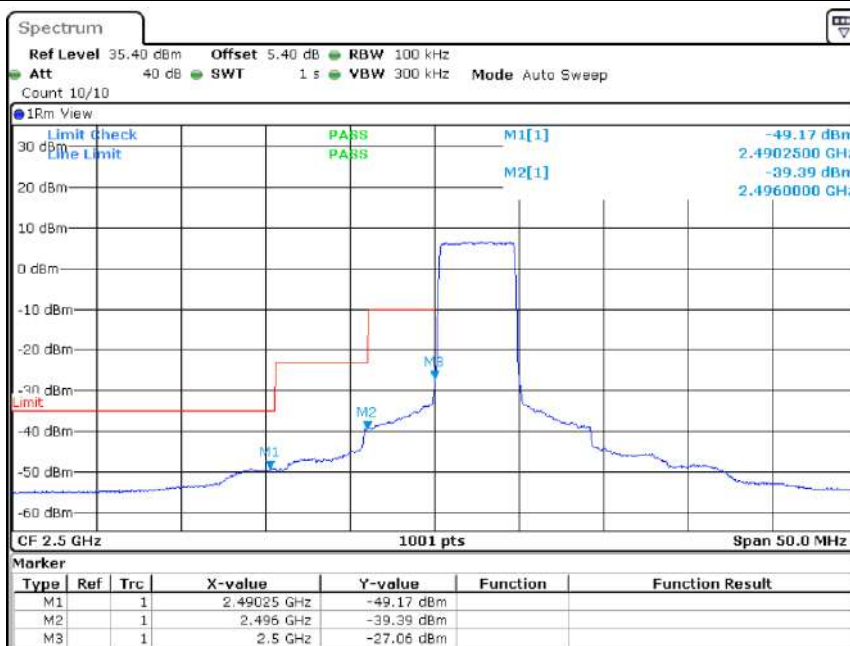
5.1. Test Plots



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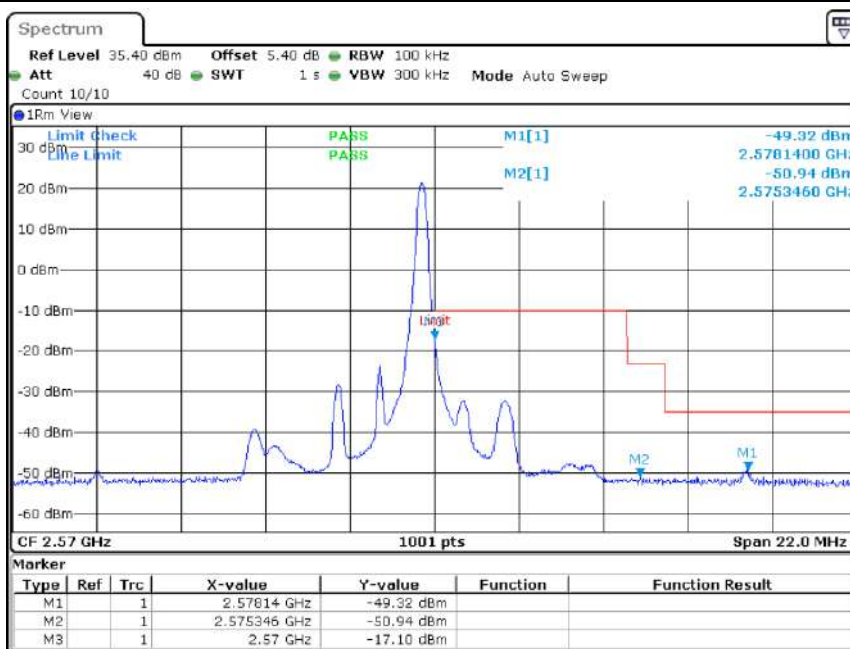
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Band7-5MHz-QPSK-20775-25RB#0



Date: 16 JUL 2020 04:56:29

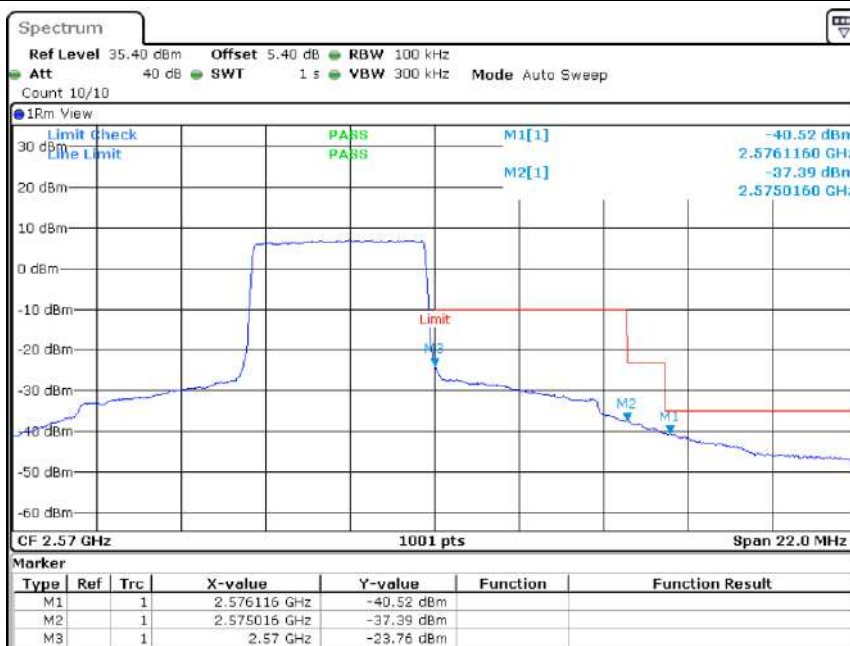
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Date: 16 JUL 2020 04:55:42

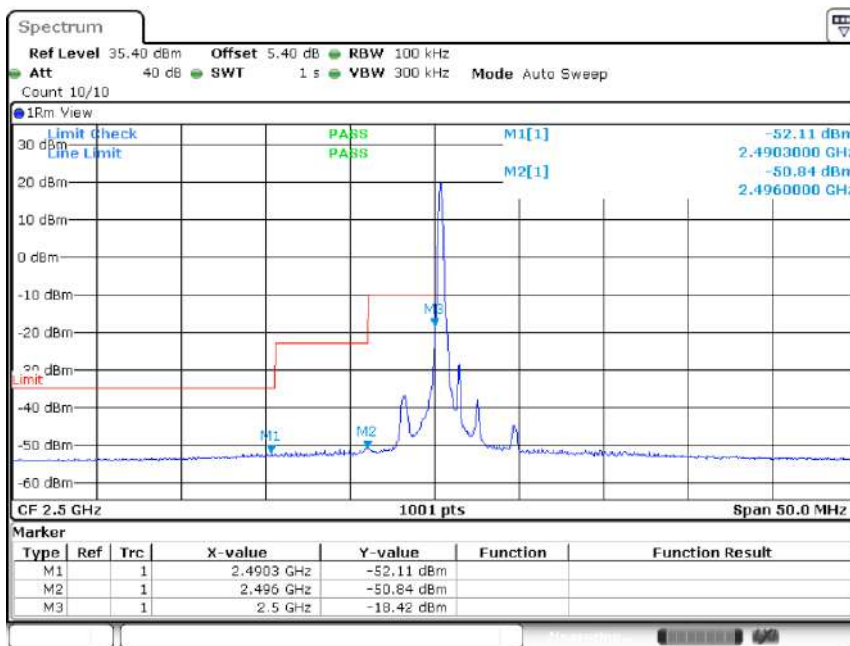


Band7-5MHz-QPSK-21425-25RB#0



Date: 18 JUL 2020 04:57:12

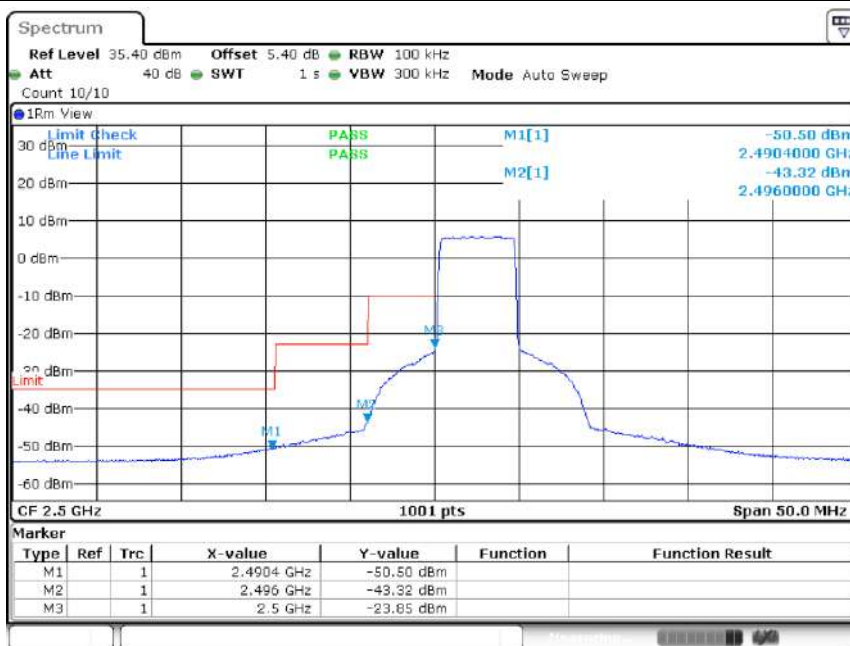
Band7-5MHz-64QAM-20775-1RB#0



Date: 11 AUG 2020 00:03:00

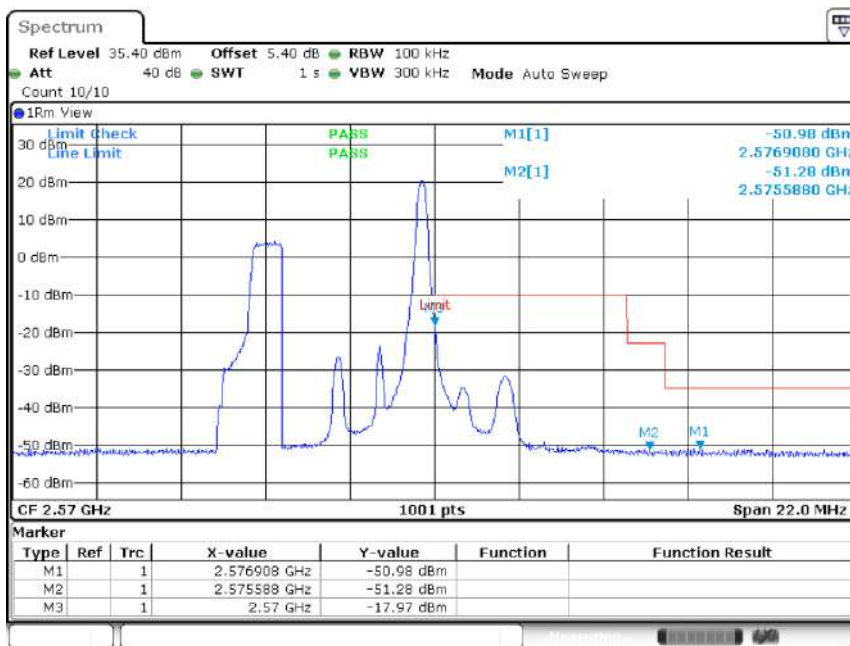


Band7-5MHz-64QAM-20775-25RB#0



Date: 11 AUG 2020 00:03:54

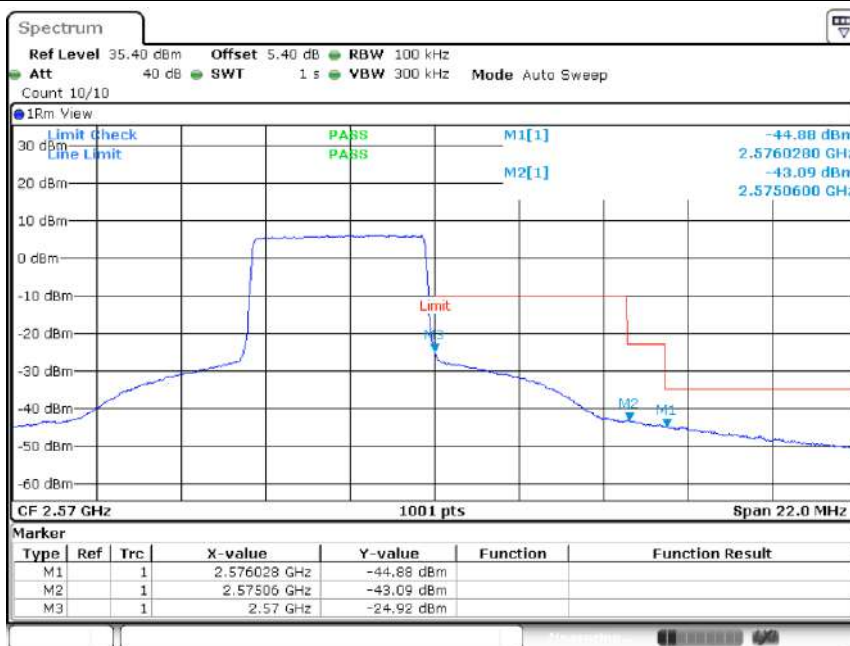
Band7-5MHz-64QAM-21425-1RB#24



Date: 11 AUG 2020 00:03:27

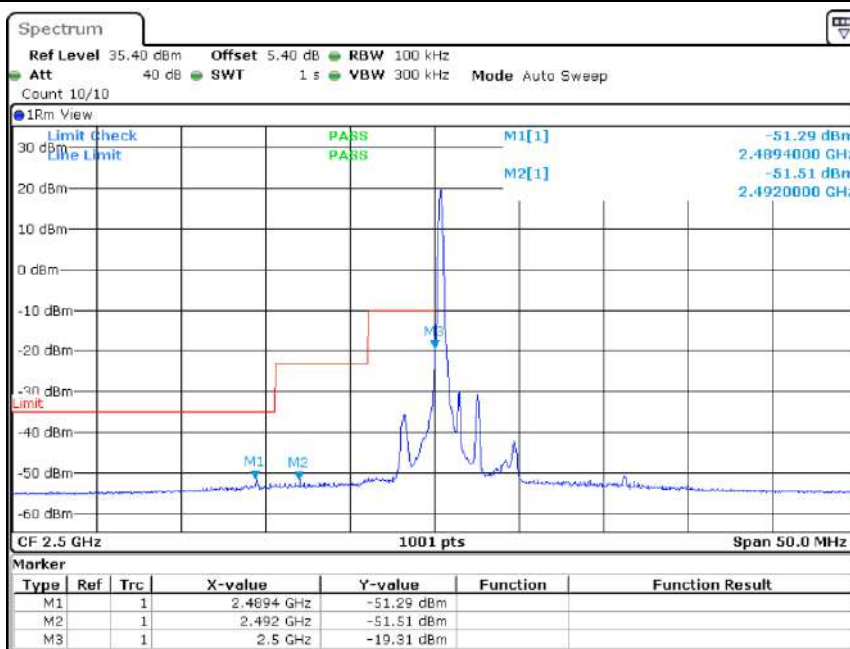


Band7-5MHz-64QAM-21425-25RB#0



Date: 11 AUG 2020 00:04:15

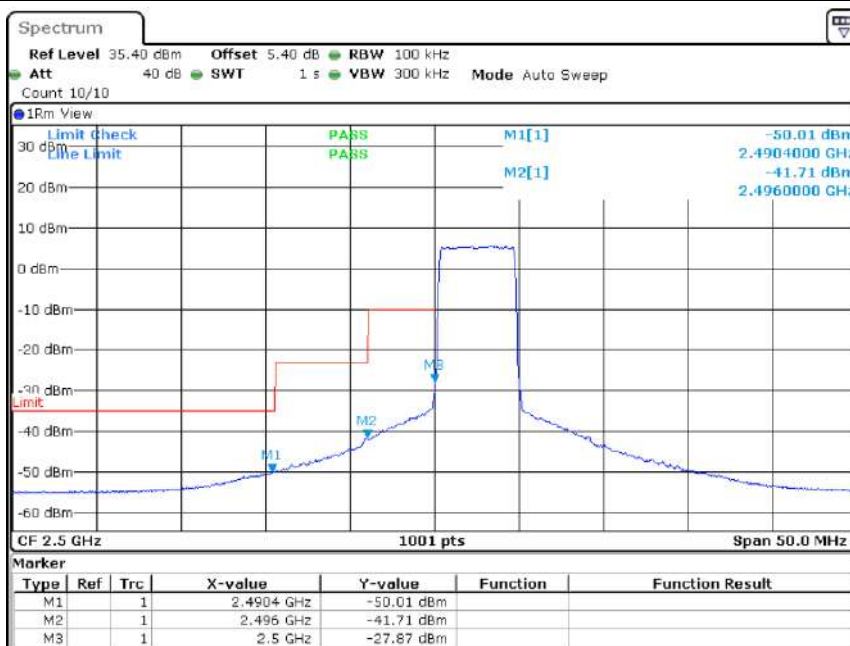
Band7-5MHz-16QAM-20775-1RB#0



Date: 16 JUL 2020 04:55:17

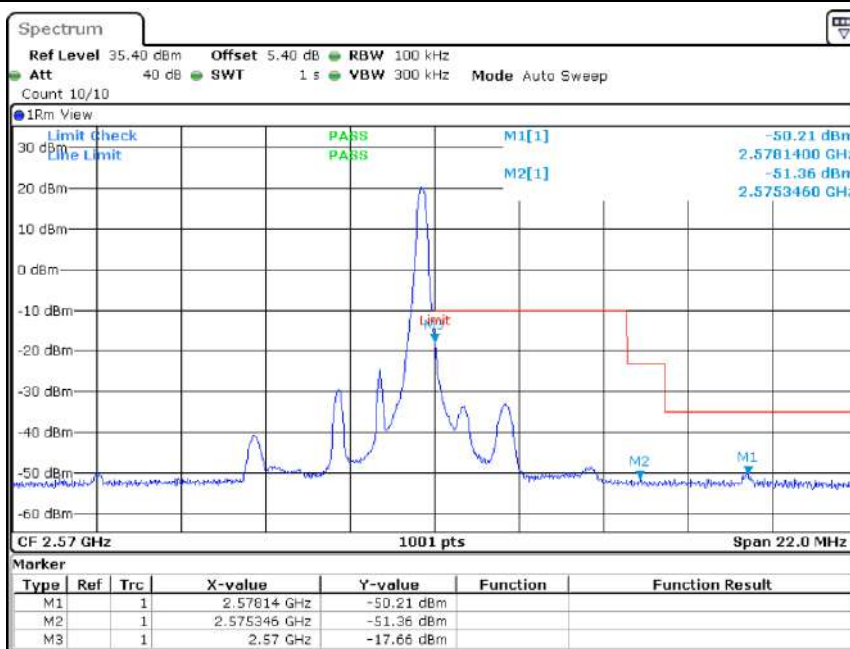


Band7-5MHz-16QAM-20775-25RB#0



Date: 16 JUL 2020 04:56:51

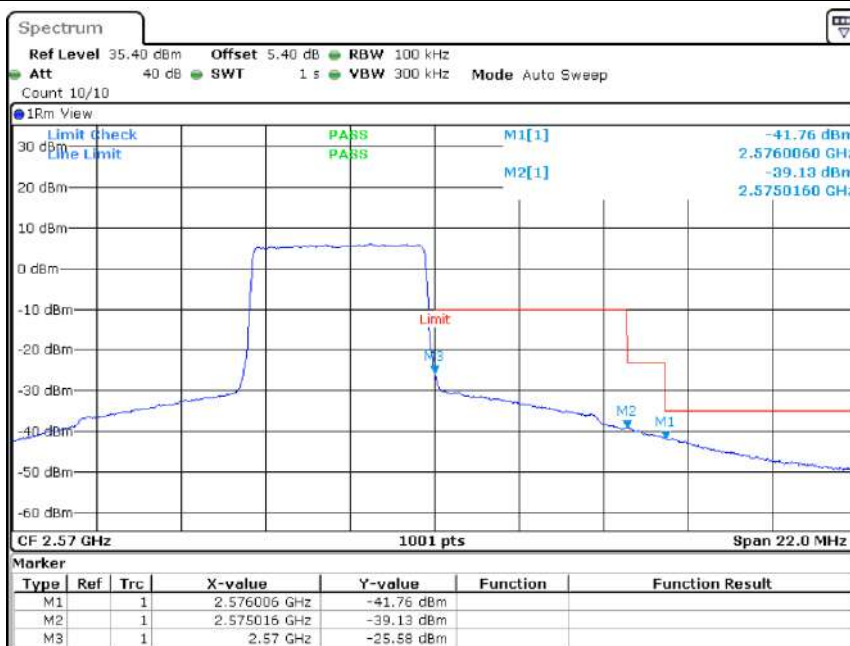
Band7-5MHz-16QAM-21425-1RB#24



Date: 16 JUL 2020 04:56:04

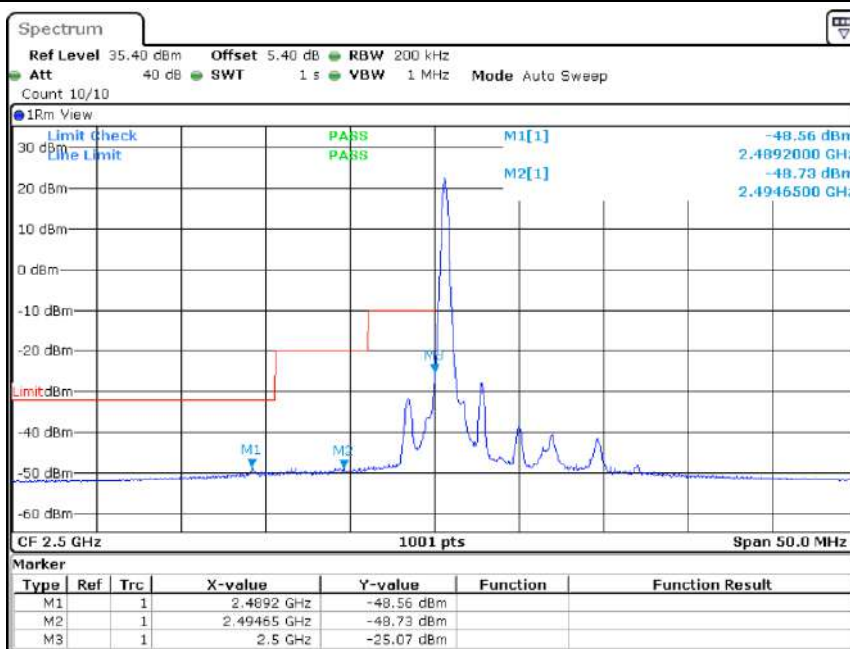


Band7-5MHz-16QAM-21425-25RB#0



Date: 16 JUL 2020 04:57:33

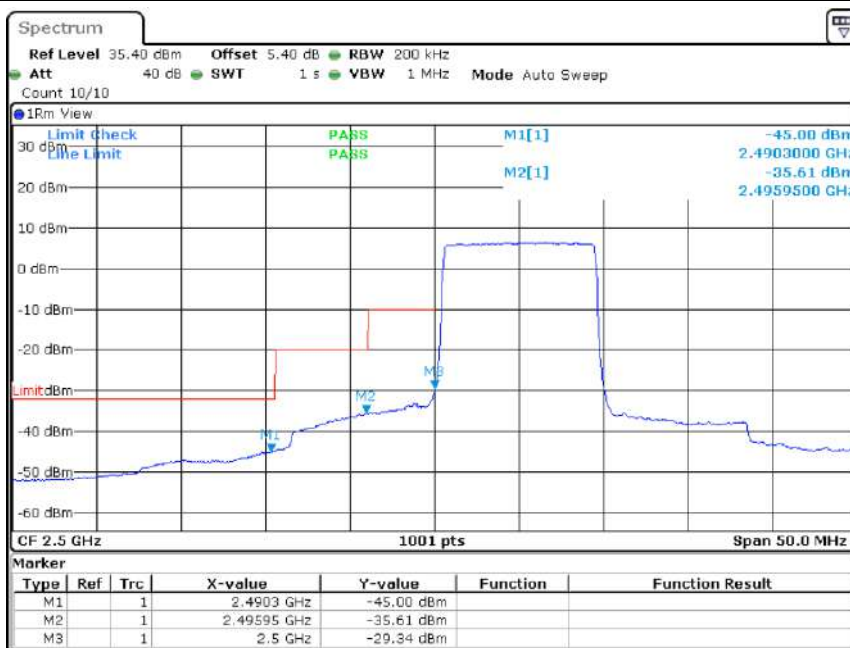
Band7-10MHz-QPSK-20800-1RB#0



Date: 16 JUL 2020 04:58:00

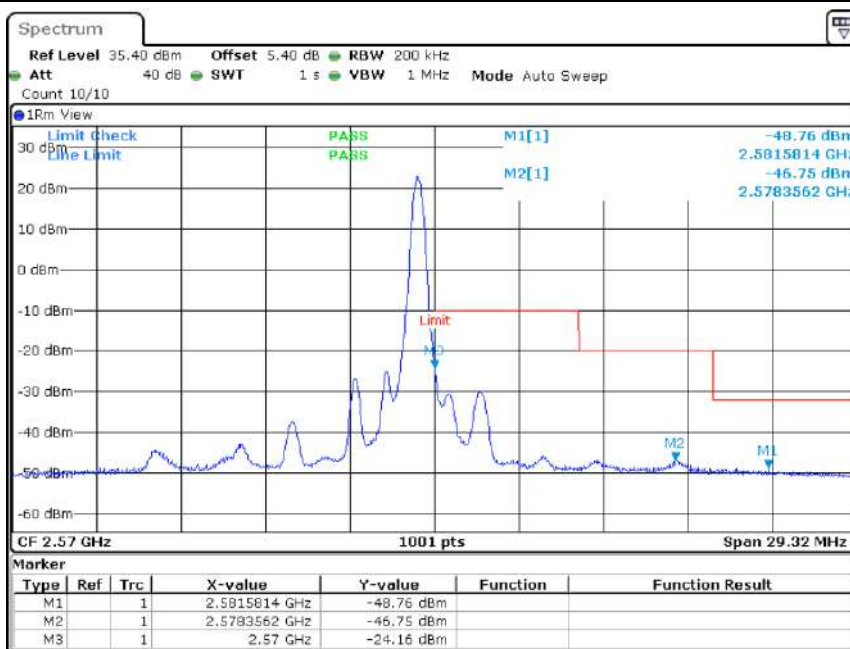


Band7-10MHz-QPSK-20800-50RB#0



Date: 16 JUL 2020 04:59:33

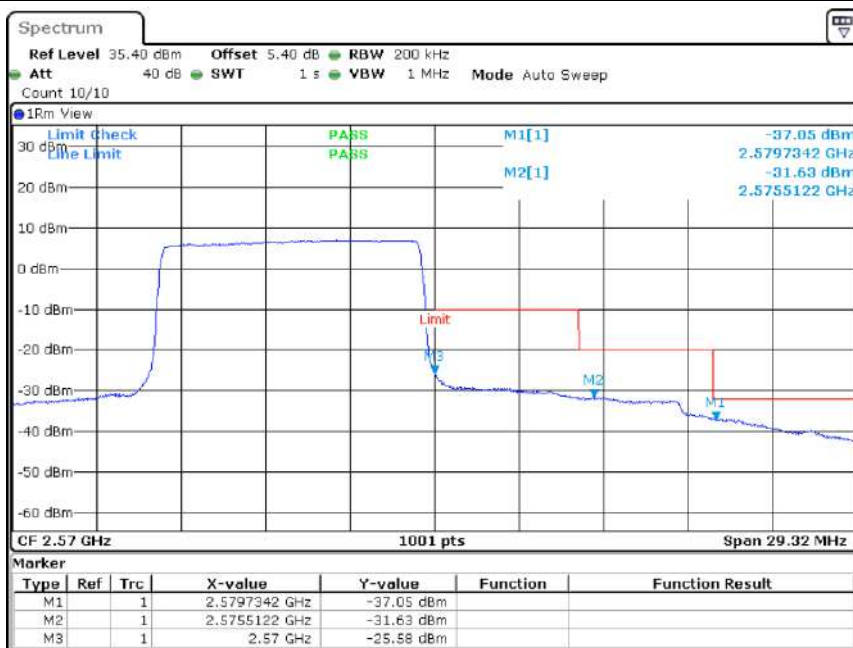
Band7-10MHz-QPSK-21400-1RB#49



Date: 16 JUL 2020 04:58:47

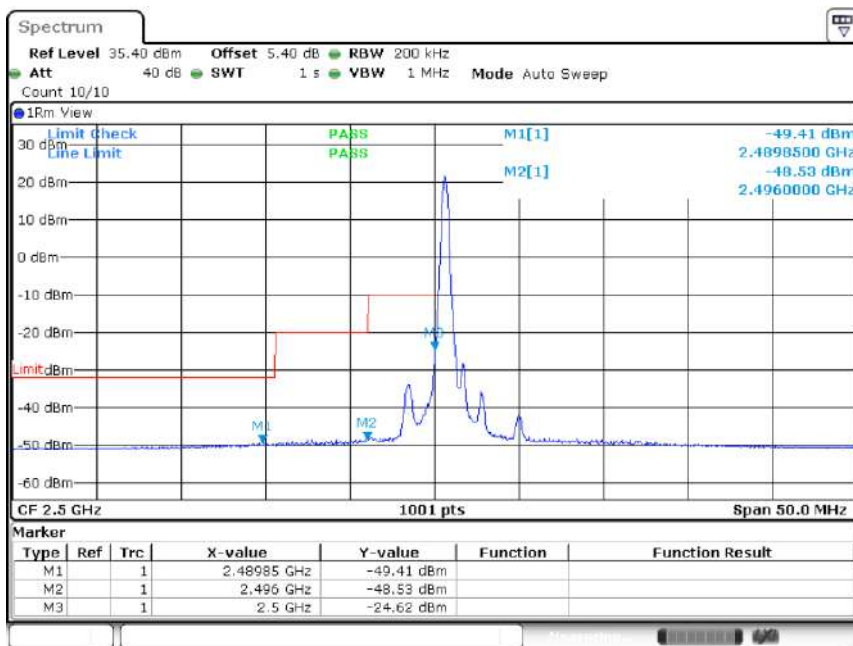


Band7-10MHz-QPSK-21400-50RB#0



Date: 18 JUL 2020 05:00:17

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



Date: 11 AUG 2020 00:04:43



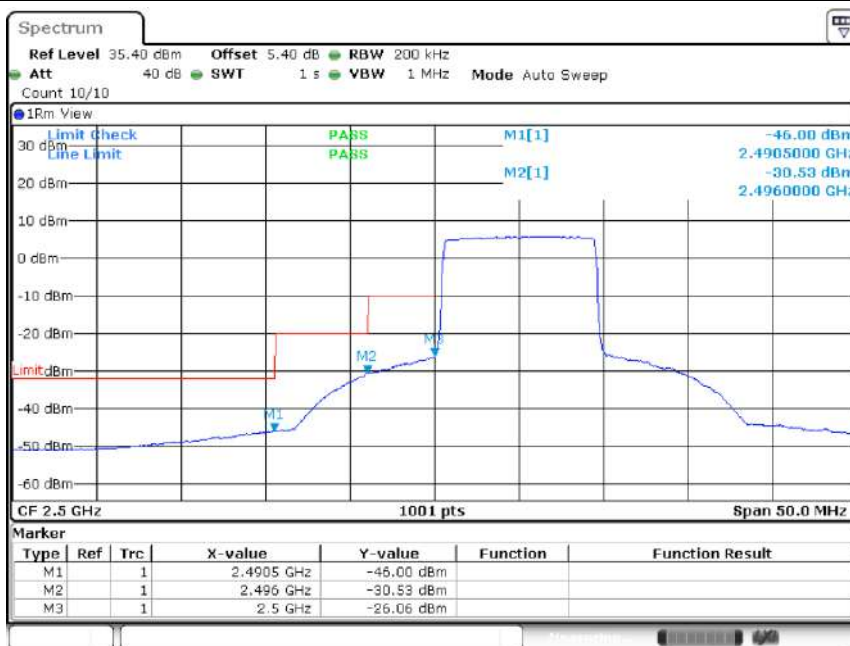
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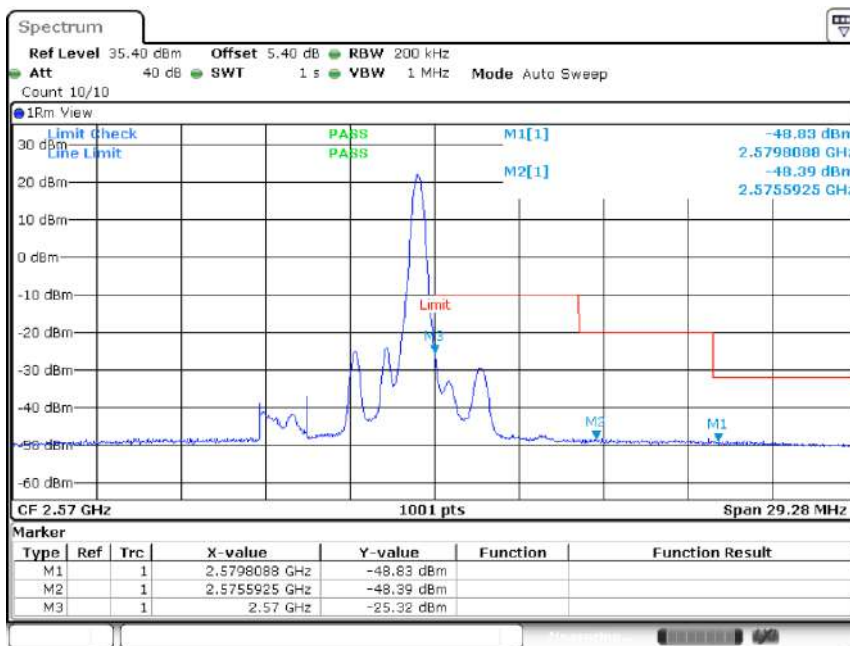
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Band7-10MHz-64QAM-20800-50RB#0



Date: 11 AUG 2020 00:05:37

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



Date: 11 AUG 2020 00:05:10



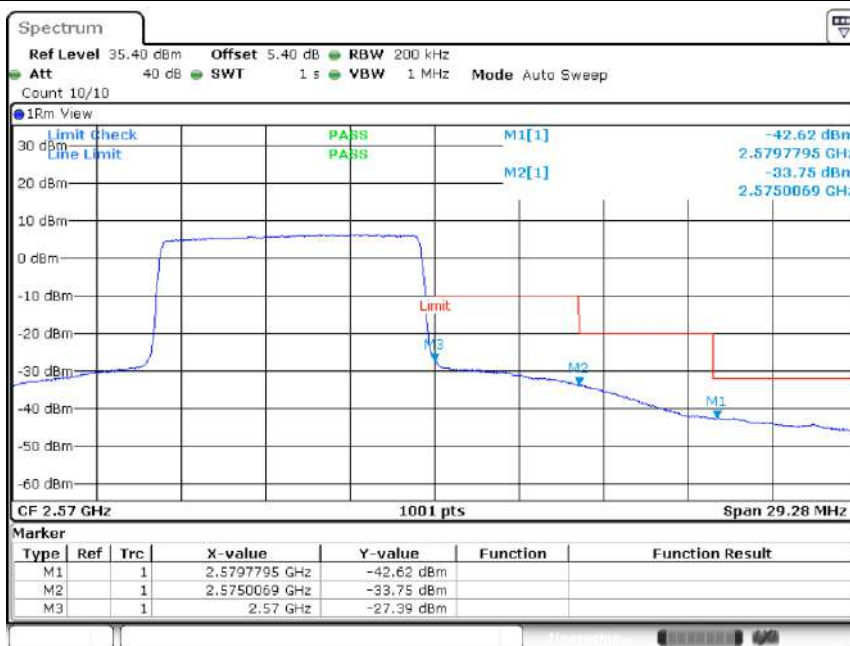
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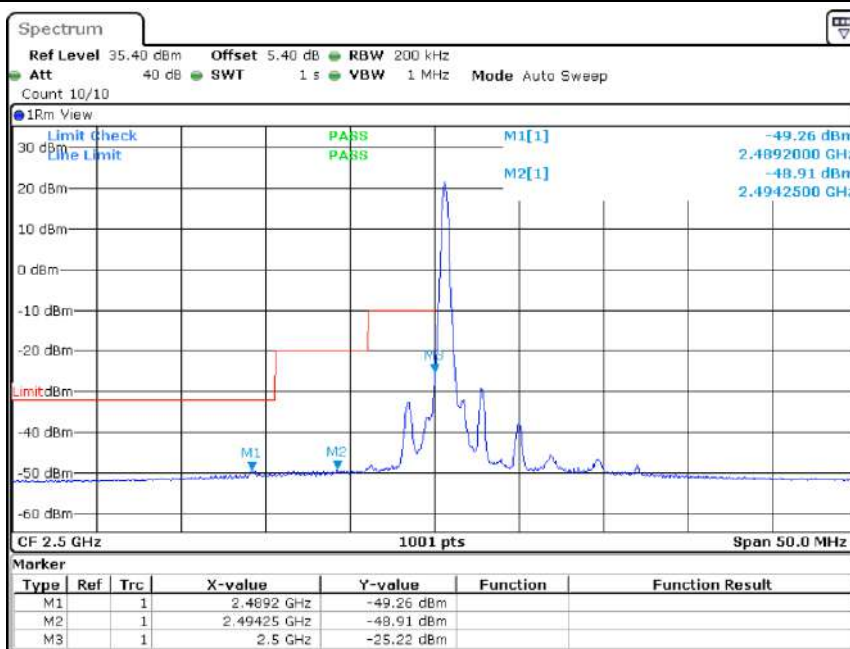
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Band7-10MHz-64QAM-21400-50RB#0



Date: 11.AUG.2020 00:05:58

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

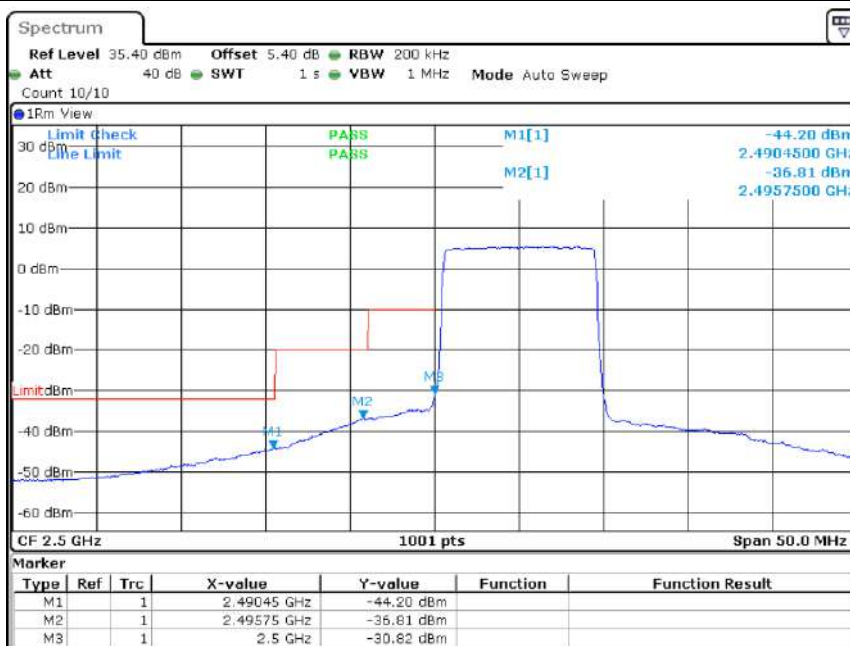


Date: 16.JUL.2020 04:58:21



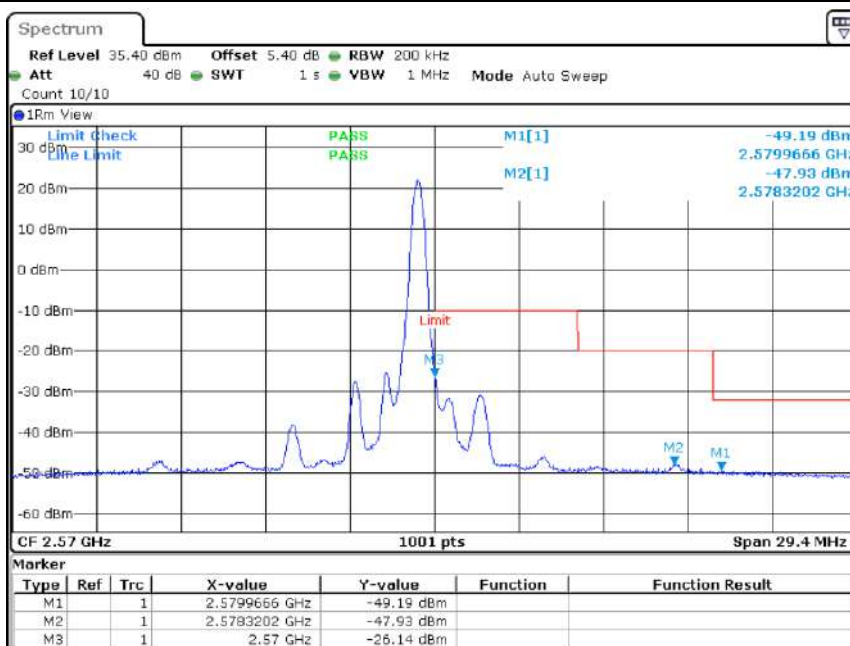
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Band7-10MHz-16QAM-20800-50RB#0



Date: 16 JUL 2020 04:59:55

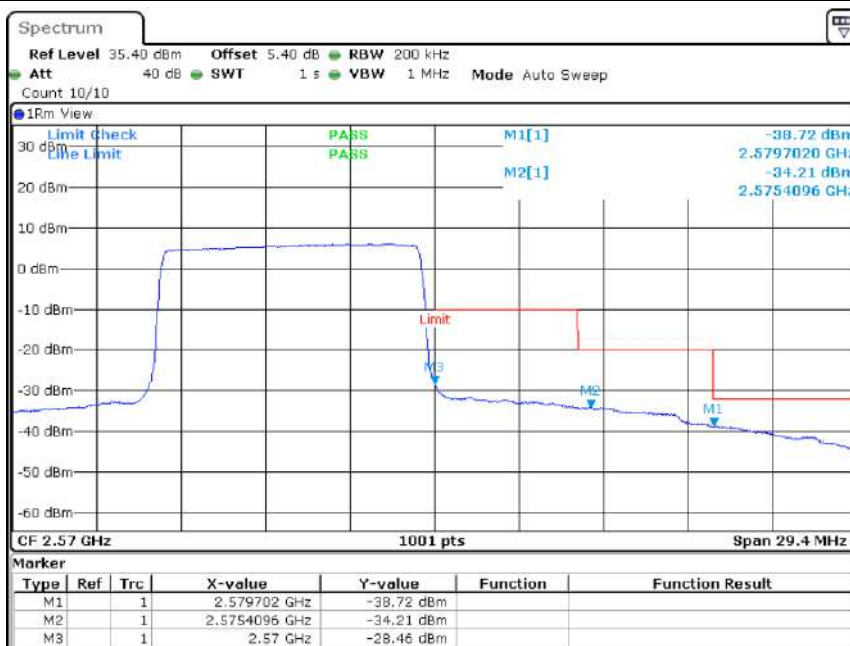
Band7-10MHz-16QAM-21400-1RB#49



Date: 16 JUL 2020 04:59:08

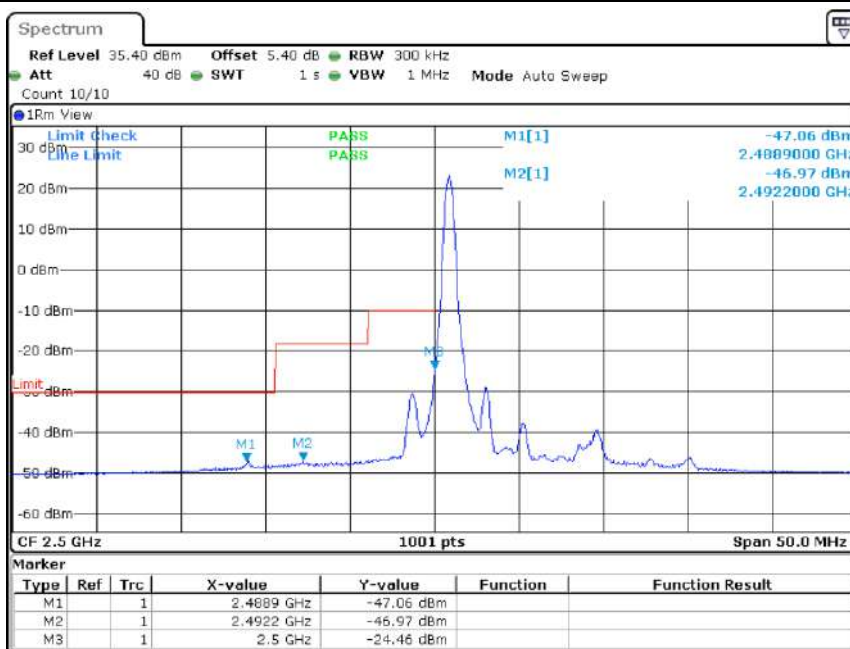


Band7-10MHz-16QAM-21400-50RB#0



Date: 16 JUL 2020 05:00:38

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



Date: 16 JUL 2020 05:01:04



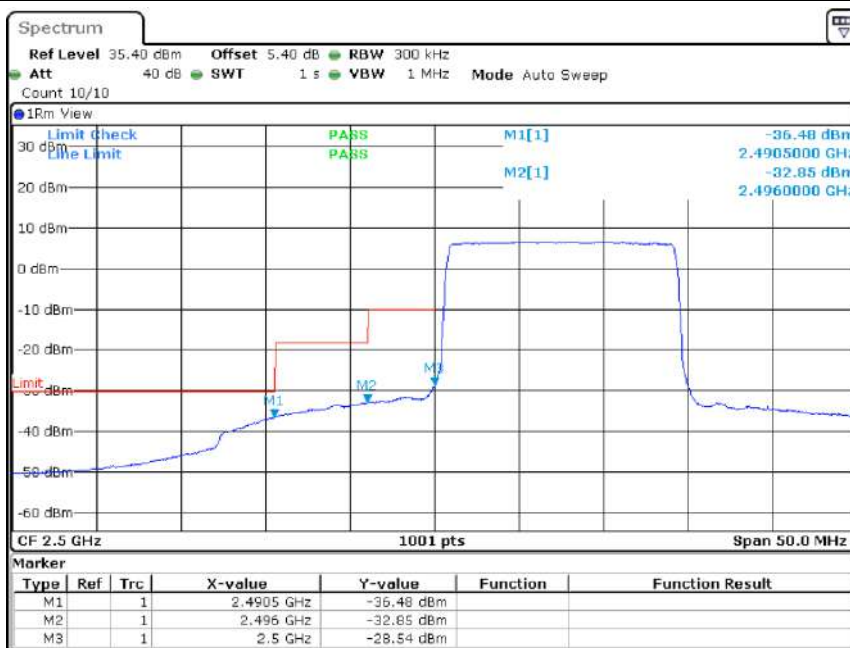
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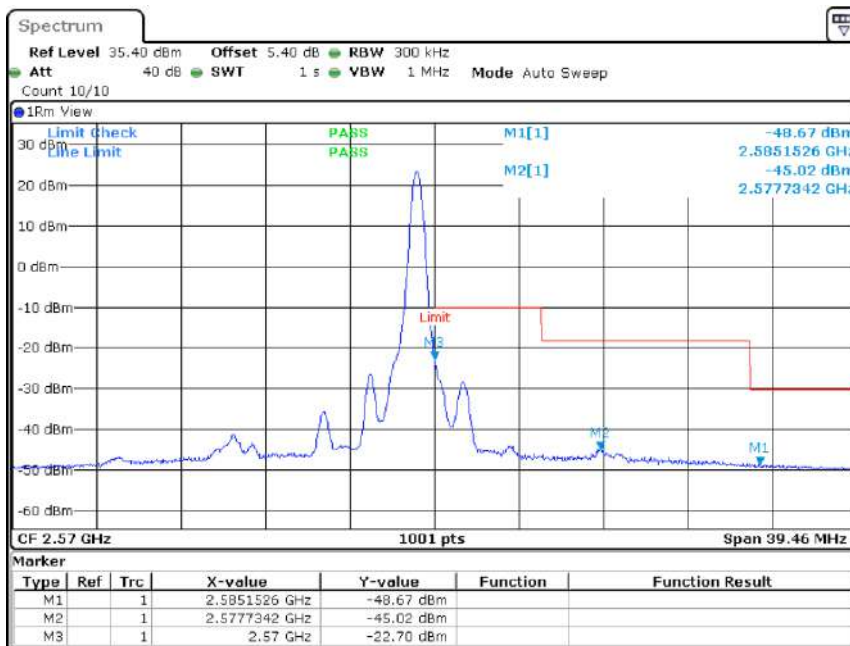
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Band7-15MHz-QPSK-20825-75RB#0



Date: 16 JUL 2020 05:02:38

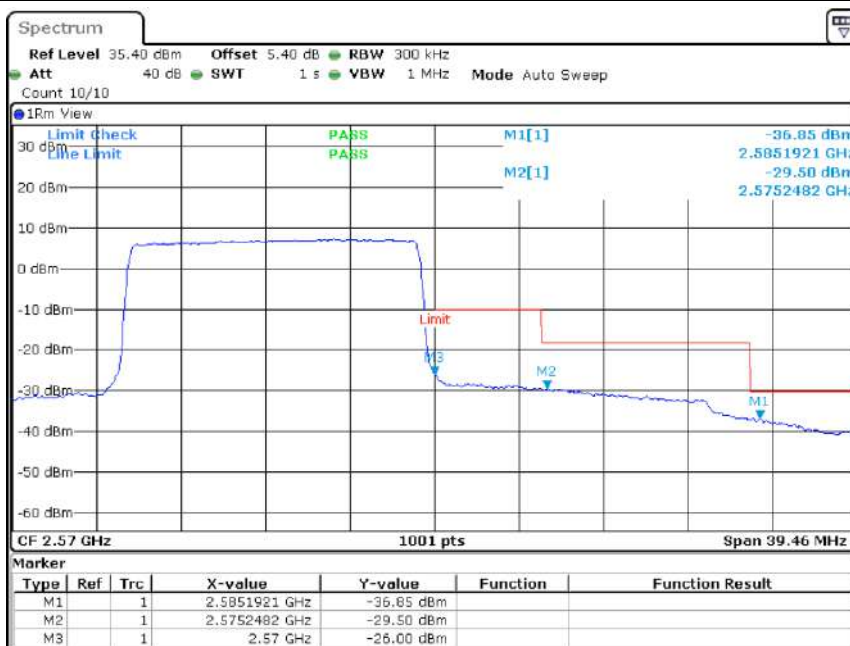
Band7-15MHz-QPSK-21375-1RB#74



Date: 16 JUL 2020 05:01:51

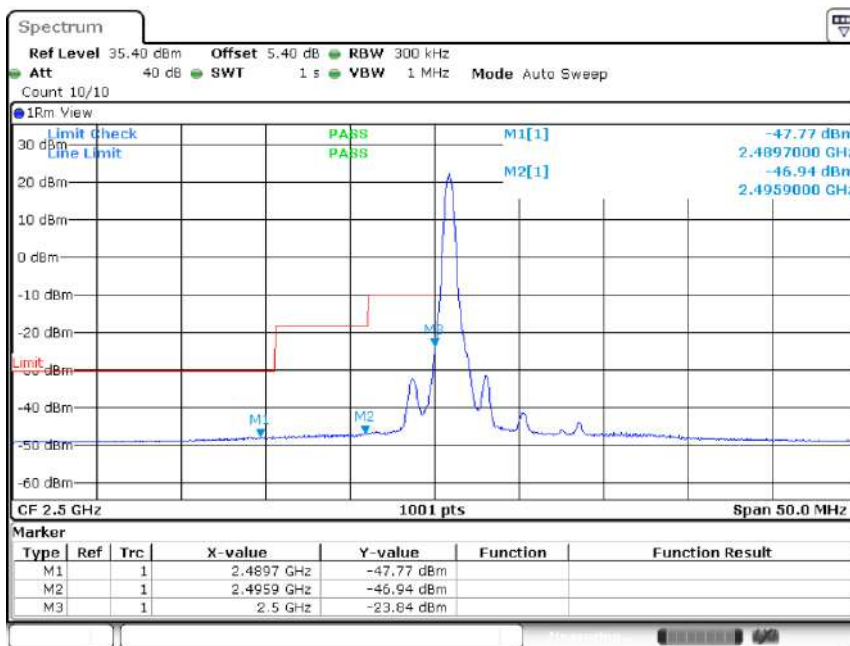


Band7-15MHz-QPSK-21375-75RB#0



Date: 18 JUL 2020 05:03:22

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



Date: 11 AUG 2020 00:06:26



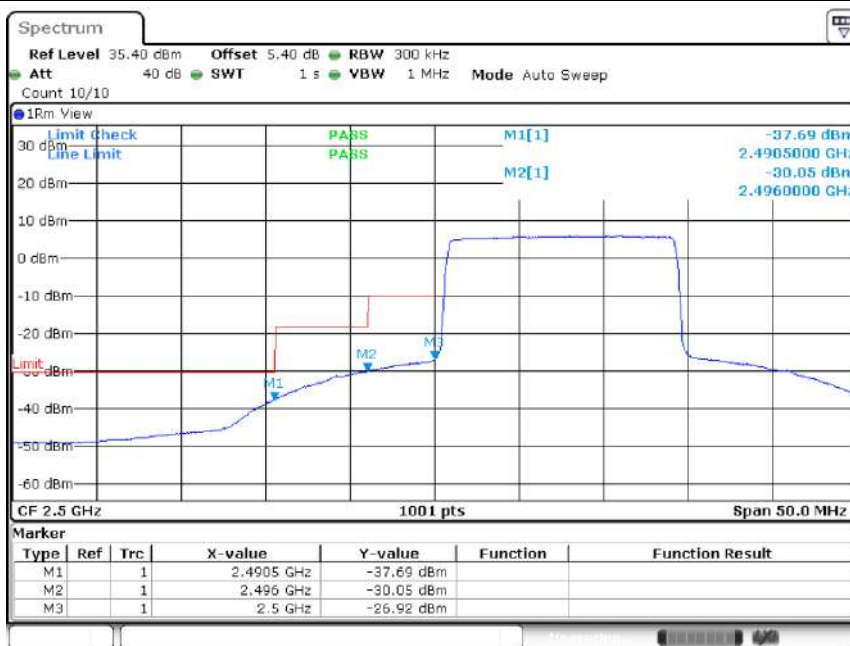
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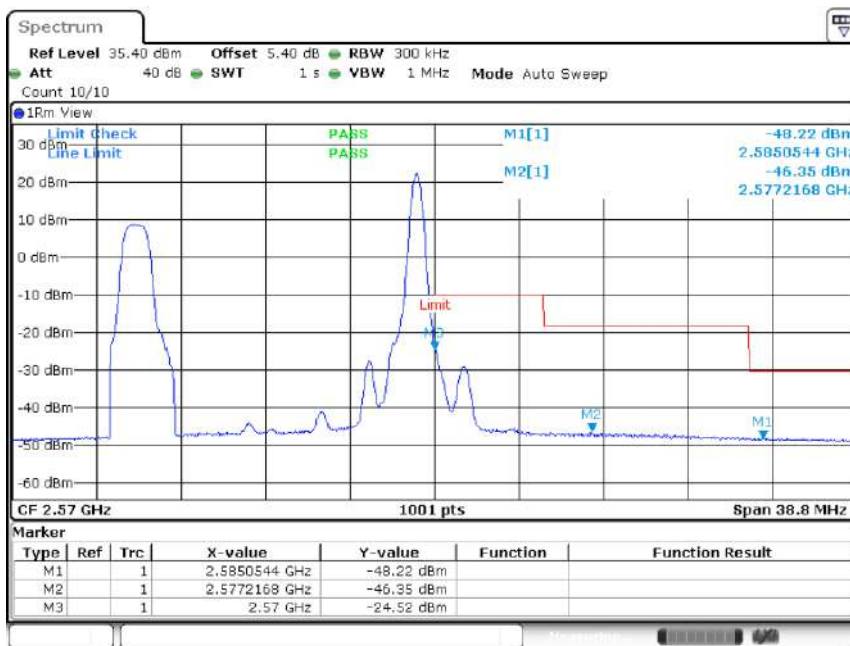
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Band7-15MHz-64QAM-20825-75RB#0



Date: 11 AUG 2020 00:07:20

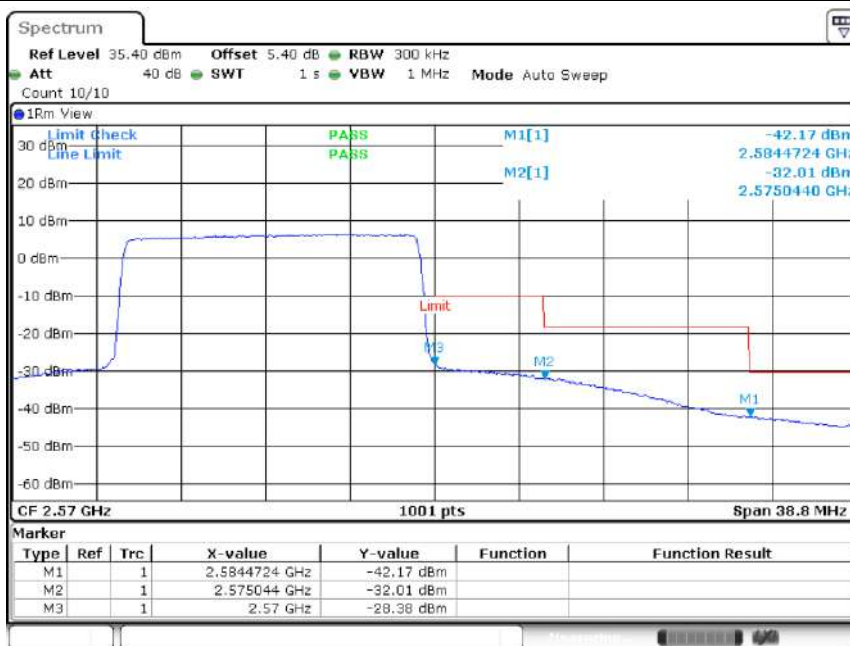
Band7-15MHz-64QAM-21375-1RB#74



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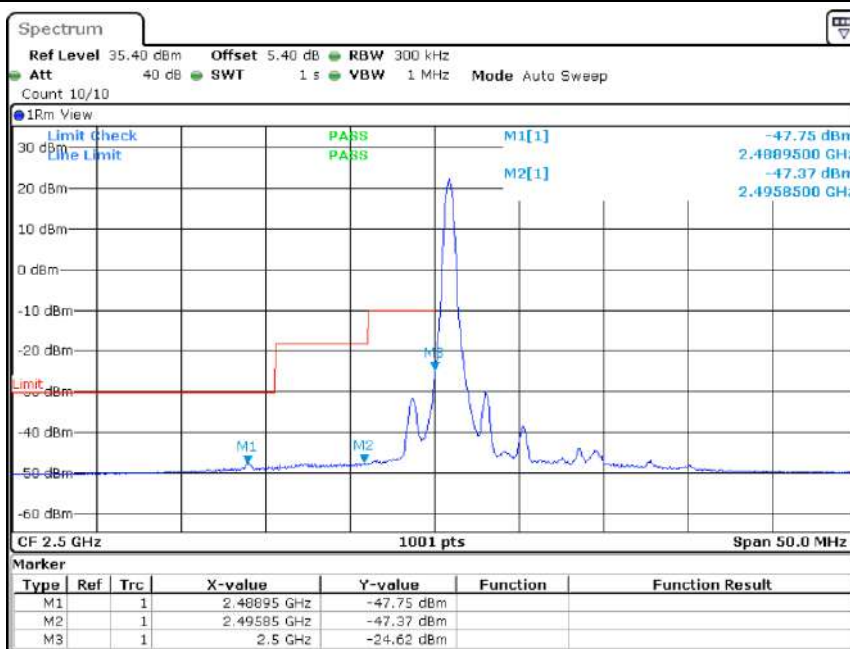


Band7-15MHz-64QAM-21375-75RB#0



Date: 11 AUG 2020 00:07:41

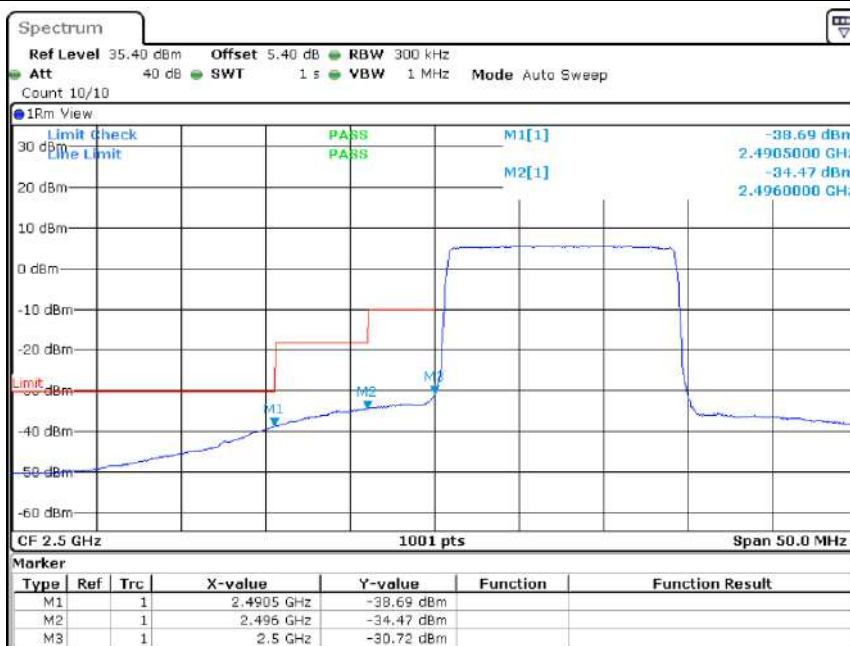
Band7-15MHz-16QAM-20825-1RB#0



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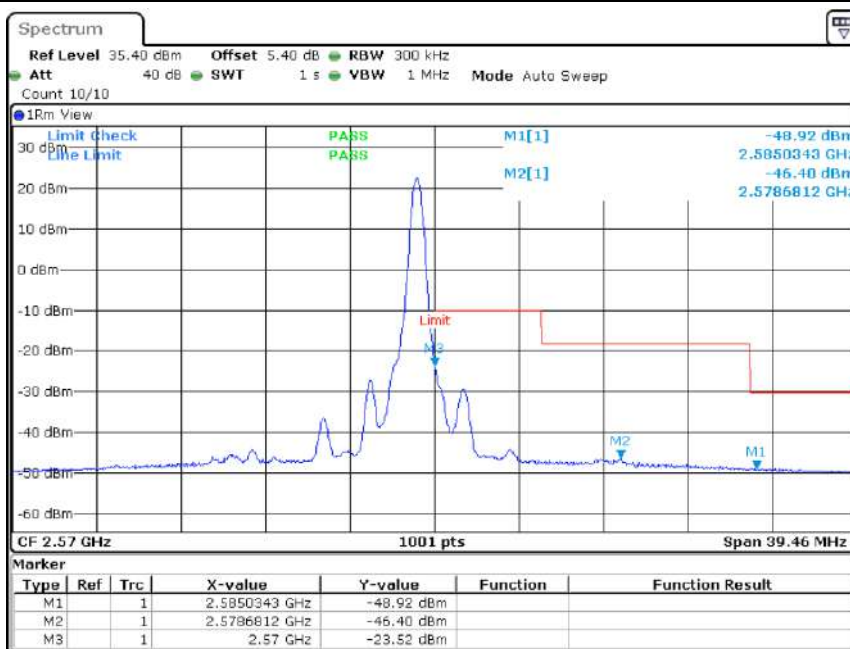


Band7-15MHz-16QAM-20825-75RB#0



Date: 16 JUL 2020 05:03:00

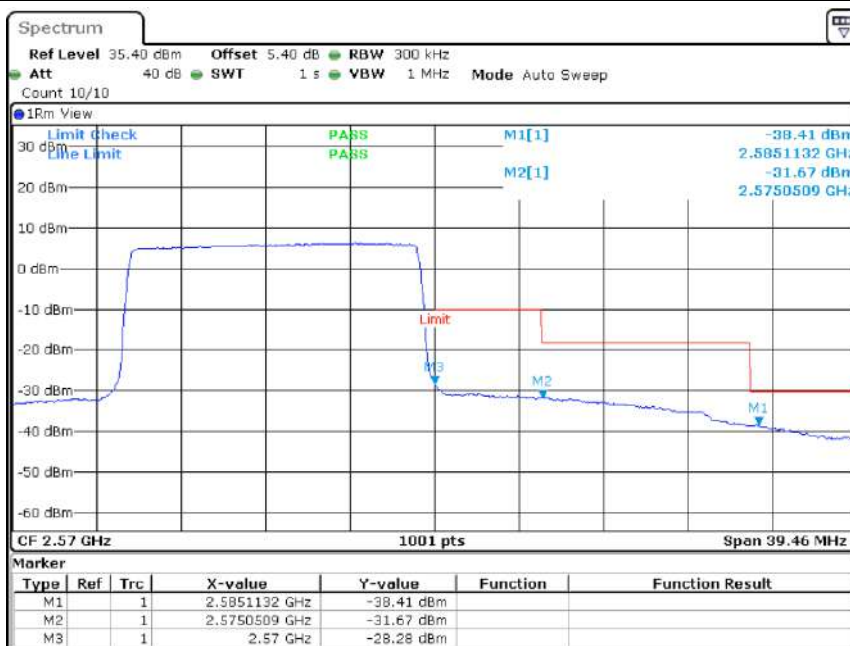
Band7-15MHz-16QAM-21375-1RB#74



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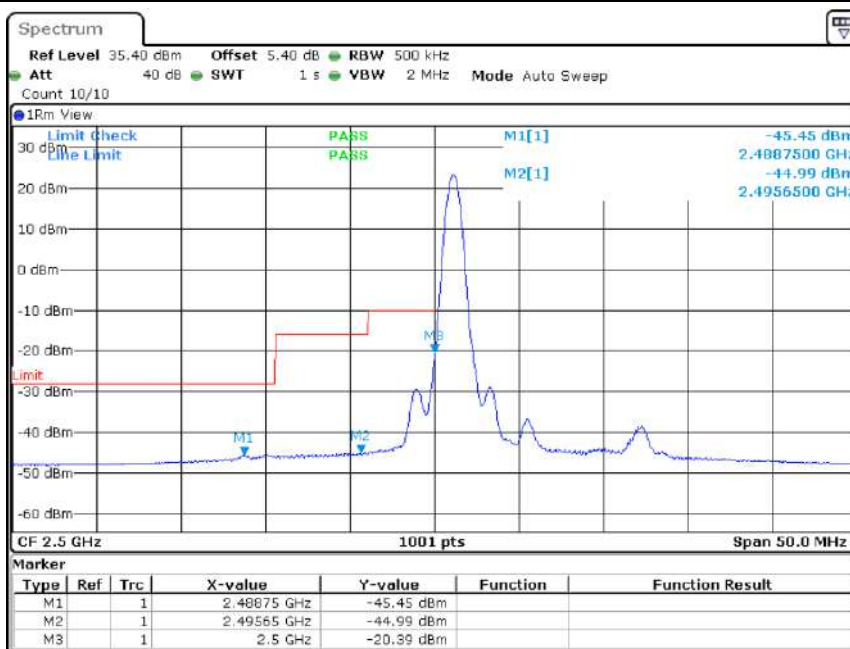


Band7-15MHz-16QAM-21375-75RB#0



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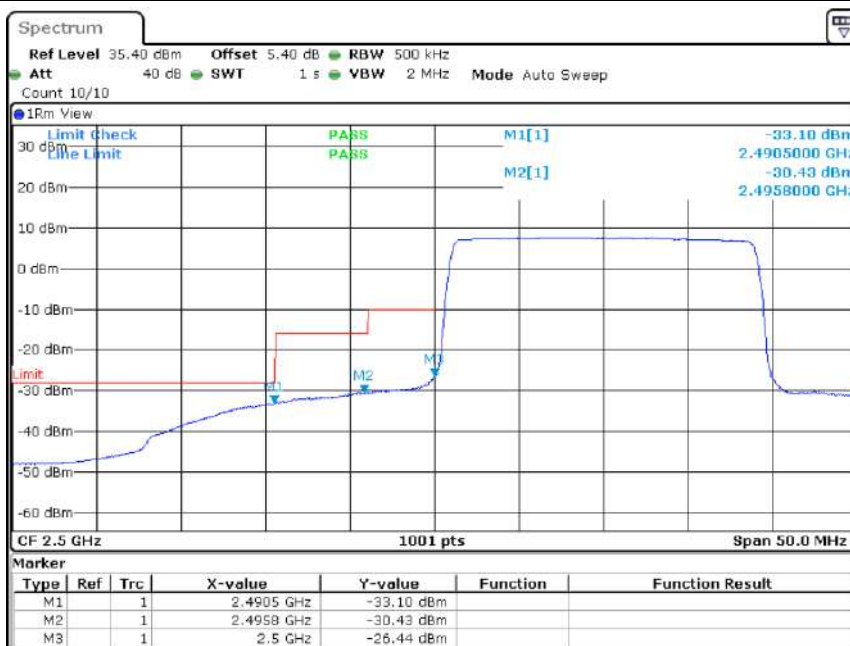
Band7-20MHz-QPSK-20850-1RB#0



Date: 16 JUL 2020 05:04:09

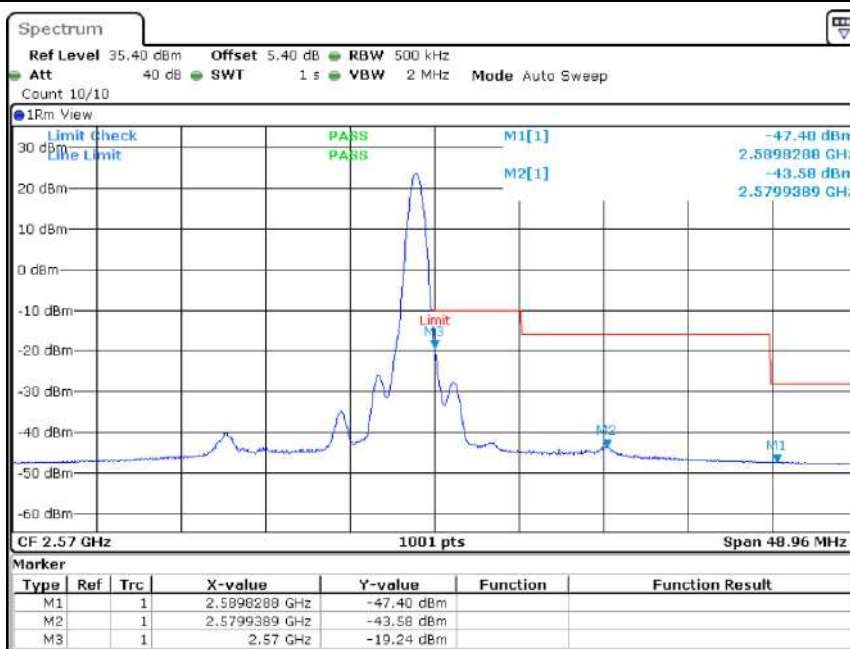


Band7-20MHz-QPSK-20850-100RB#0



Date: 16 JUL 2020 05:05:44

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



Date: 16 JUL 2020 05:04:57

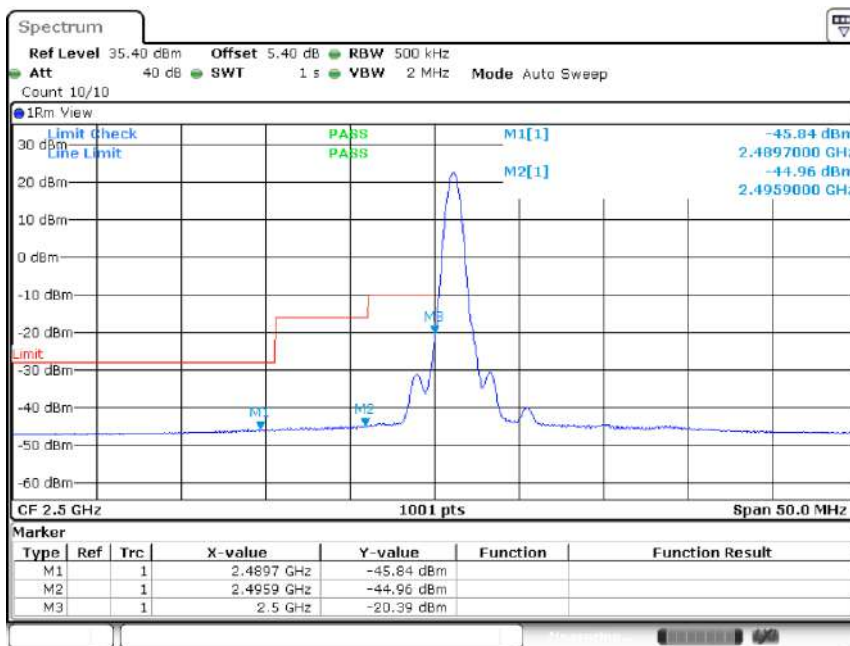


Band7-20MHz-QPSK-21350-100RB#0



Date: 18 JUL 2020 05:06:27

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



Date: 11 AUG 2020 00:08:09



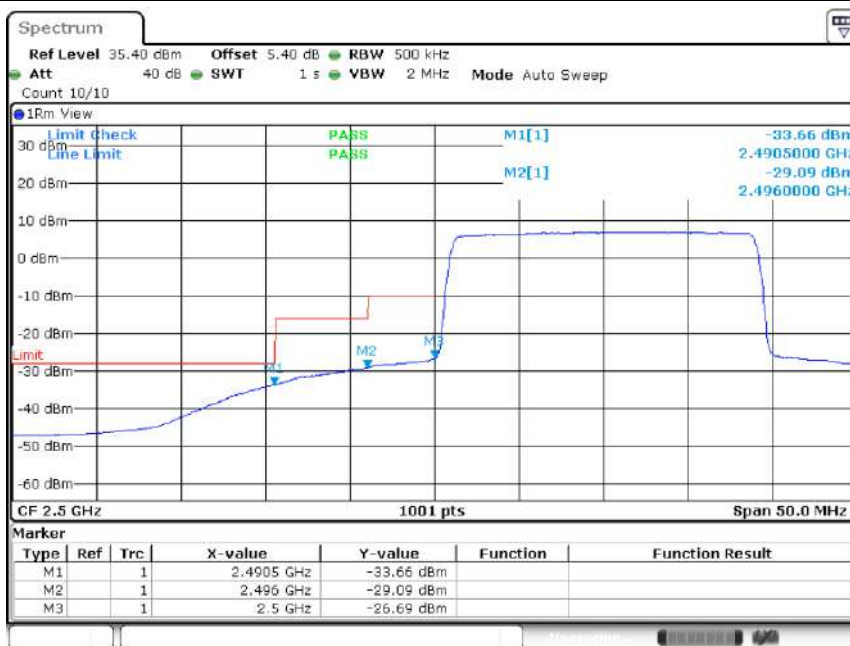
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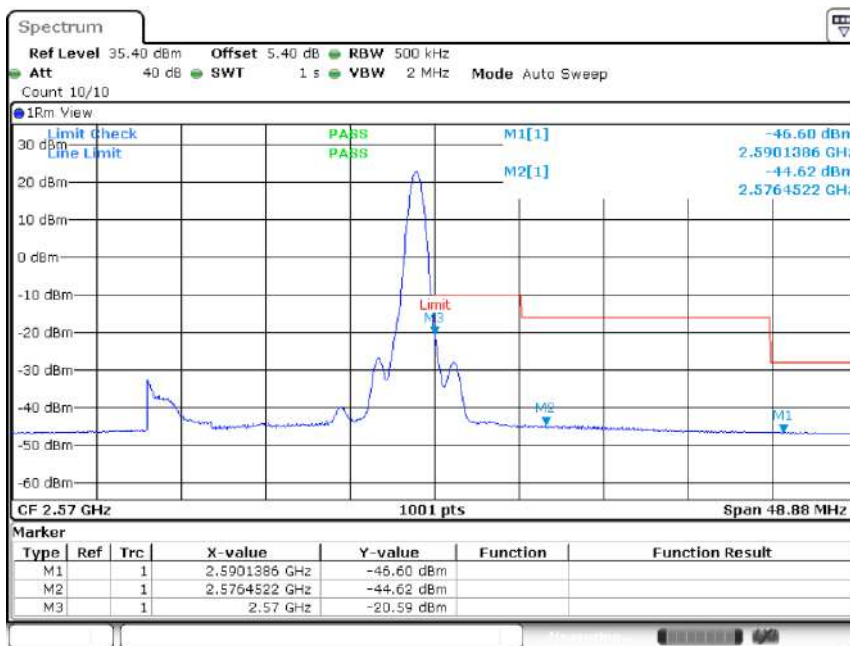
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Band7-20MHz-64QAM-20850-100RB#0



Date: 11 AUG 2020 00:09:03

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



Date: 11 AUG 2020 00:08:36



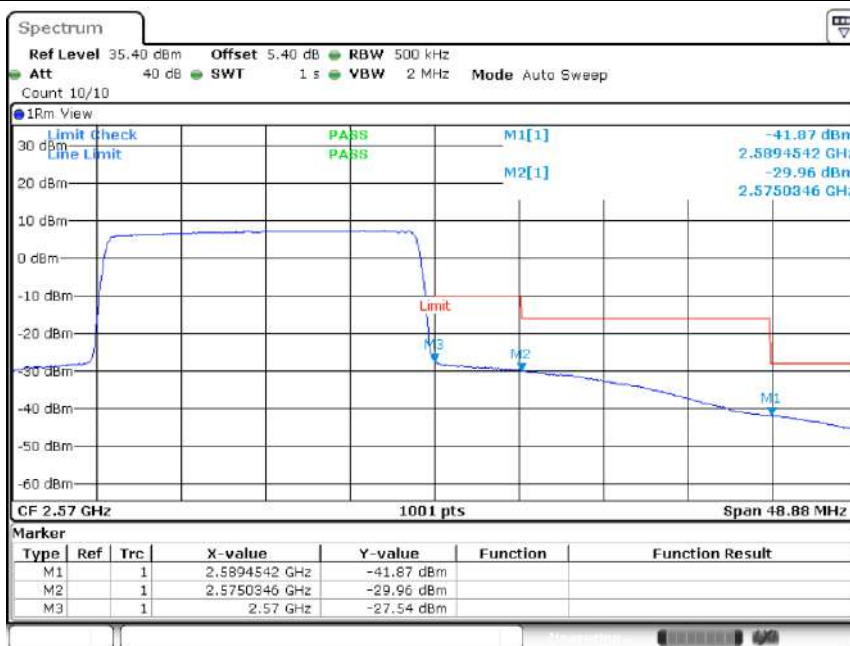
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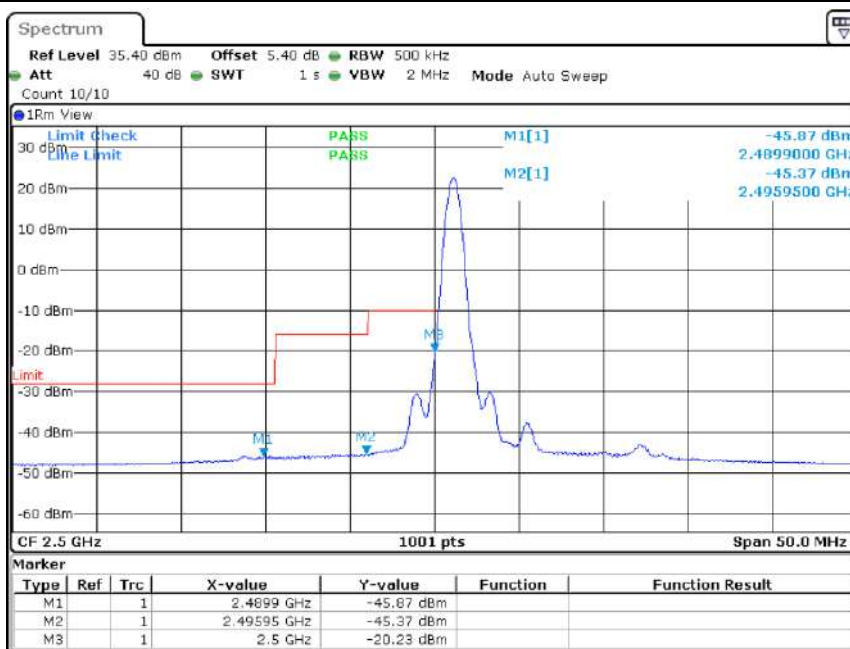
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Band7-20MHz-64QAM-21350-100RB#0



Date: 11 AUG 2020 00:09:24

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



Date: 16 JUL 2020 05:04:30



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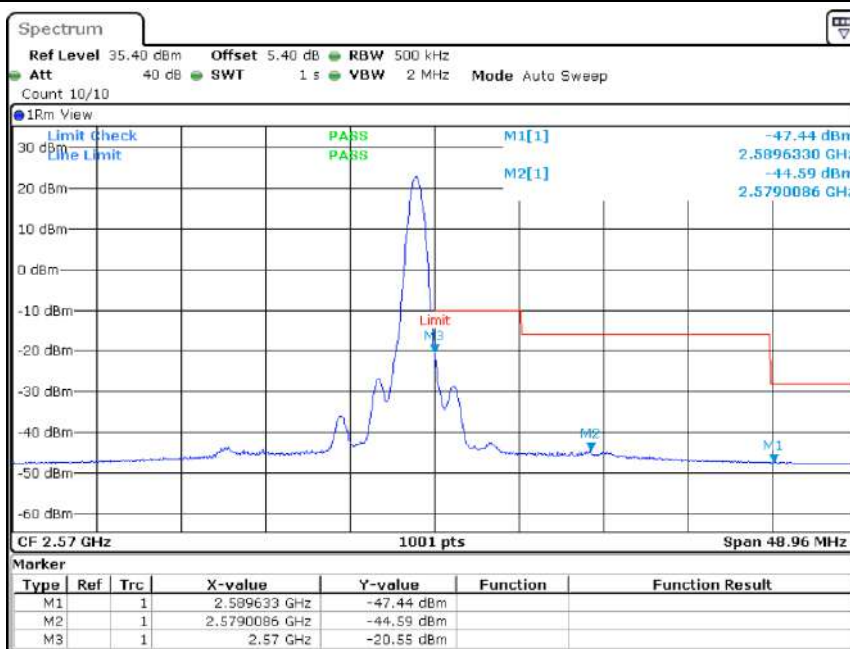
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Band7-20MHz-16QAM-20850-100RB#0



Date: 16 JUL 2020 05:06:05

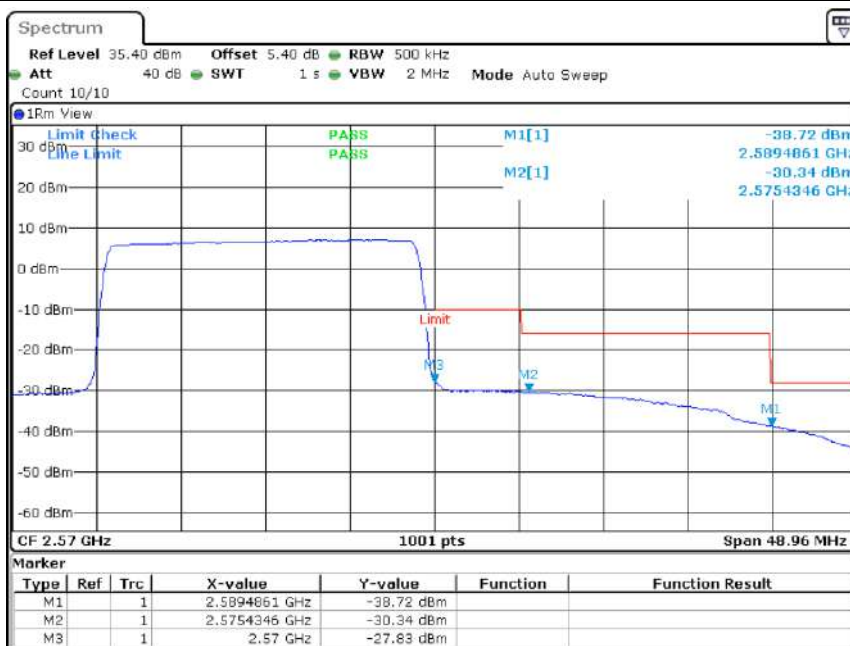
Band7-20MHz-16QAM-21350-1RB#99



Date: 16 JUL 2020 05:05:18



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



Date: 18 JUL 2020 05:08:48



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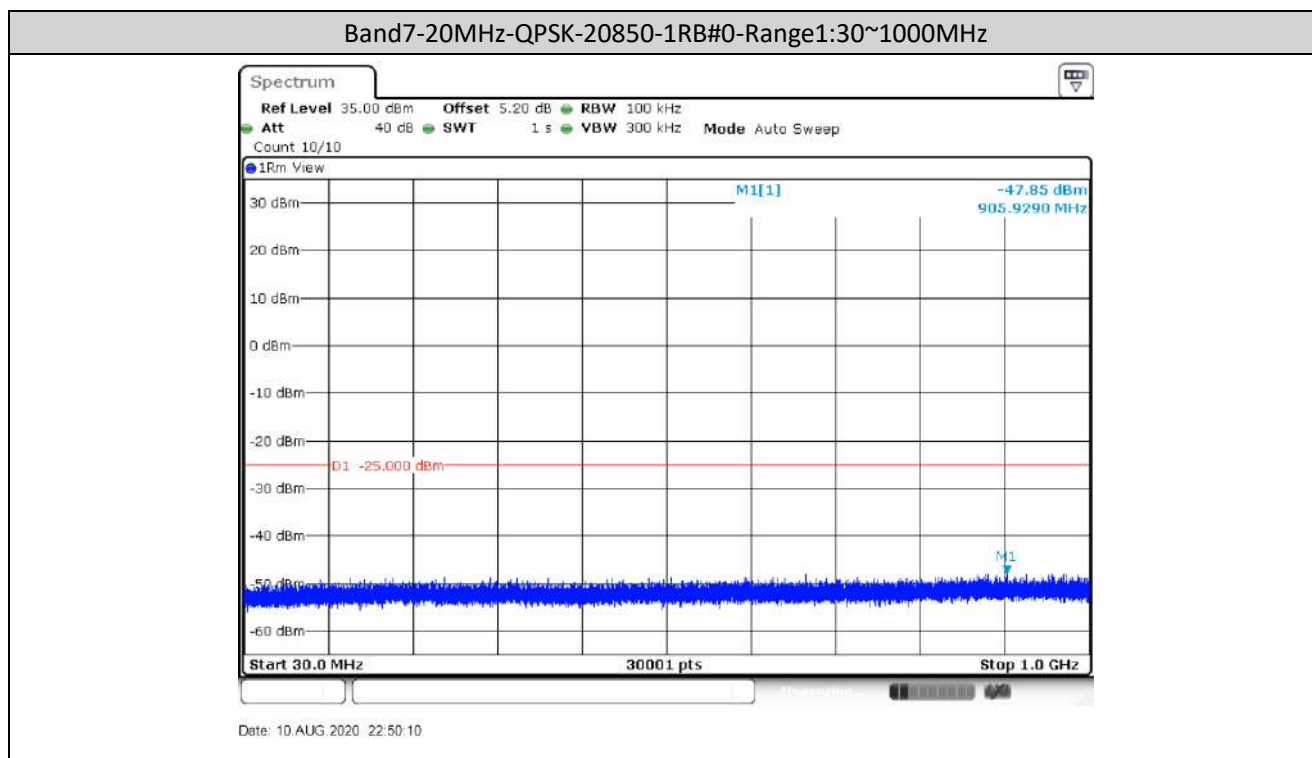
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6. Spurious Emission at Antenna Terminal

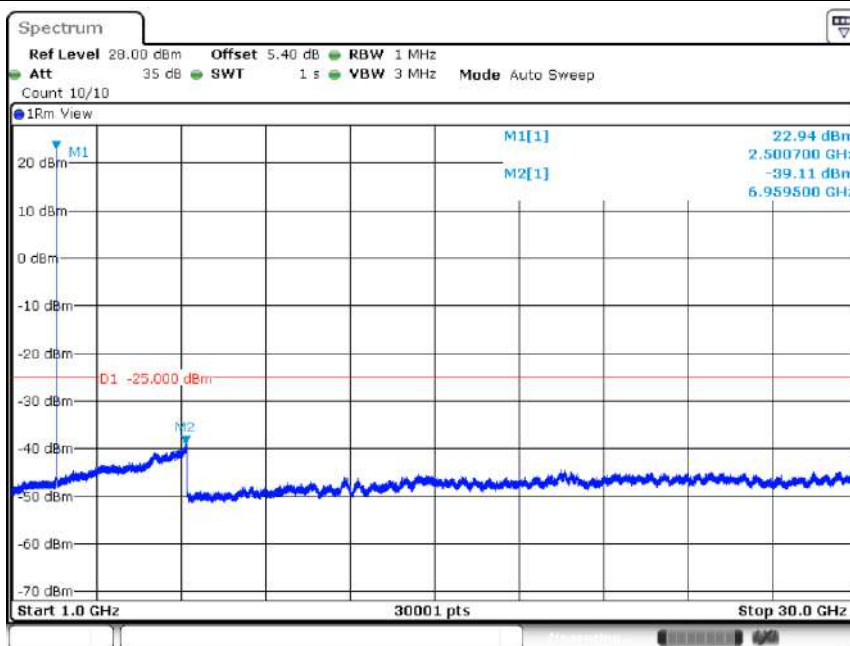
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =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

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

6.1. Test Plots

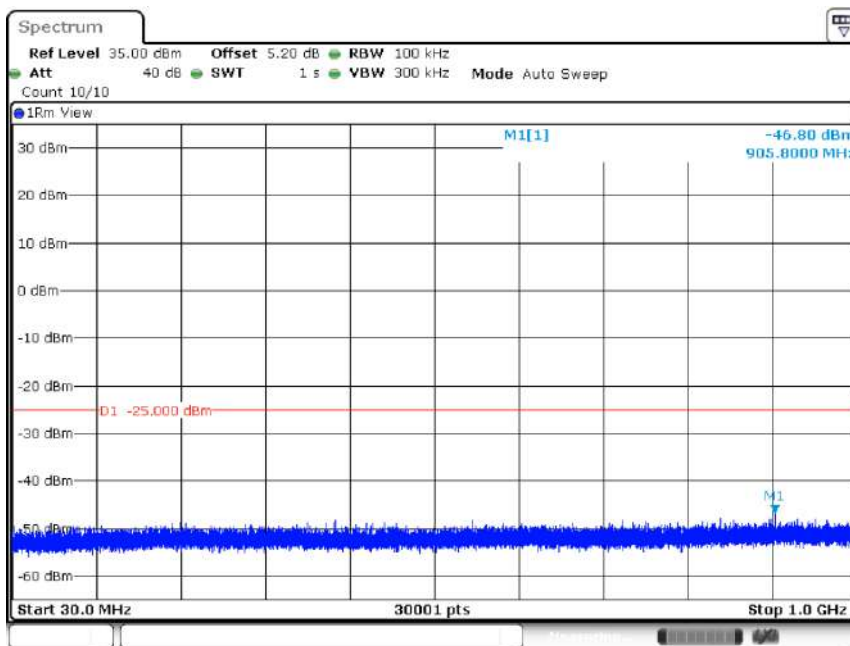


Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~30000MHz



Date: 10.AUG.2020 22:50:26

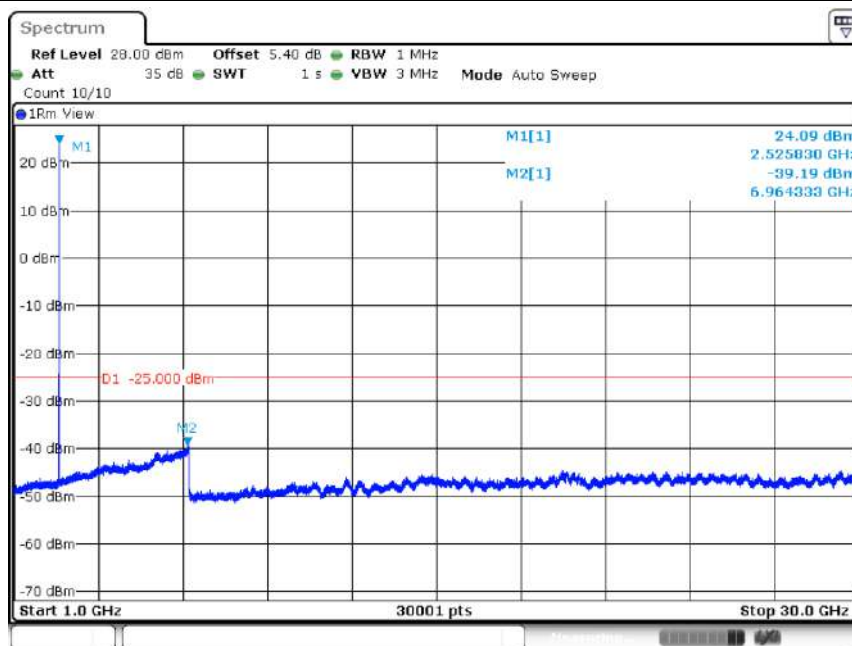
Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



Date: 10.AUG.2020 22:51:20

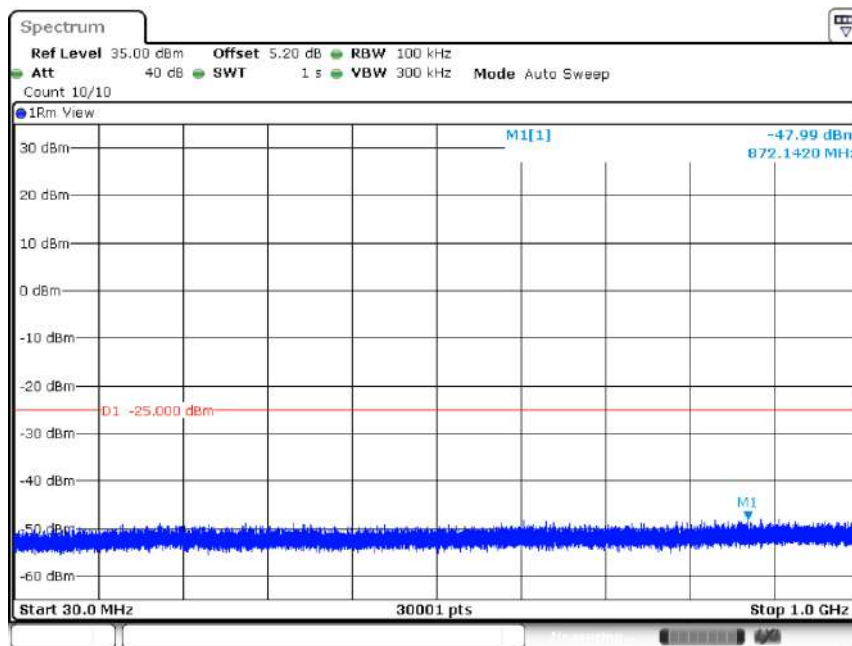


Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~30000MHz



Date: 10.AUG 2020 22:51:37

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



Date: 10.AUG 2020 22:52:31



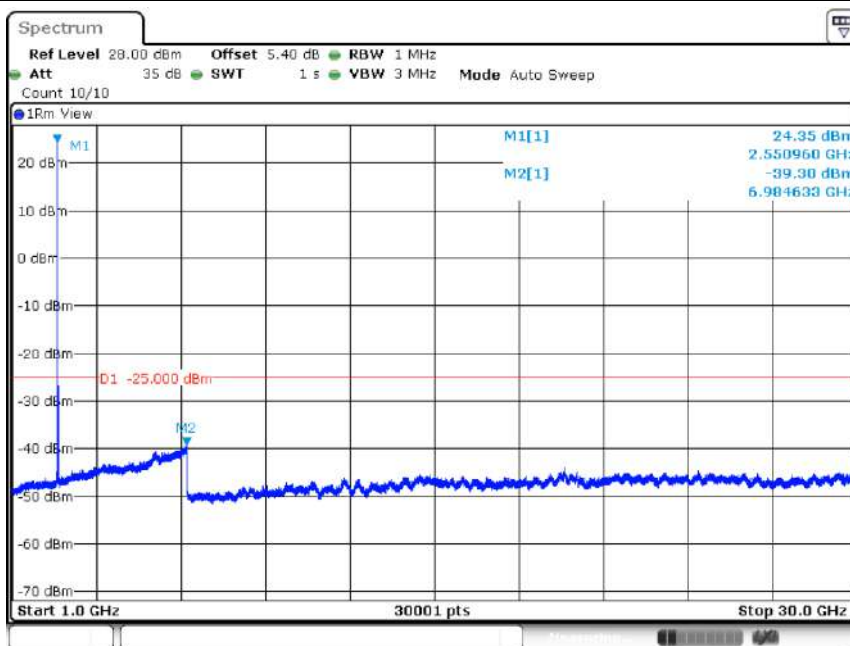
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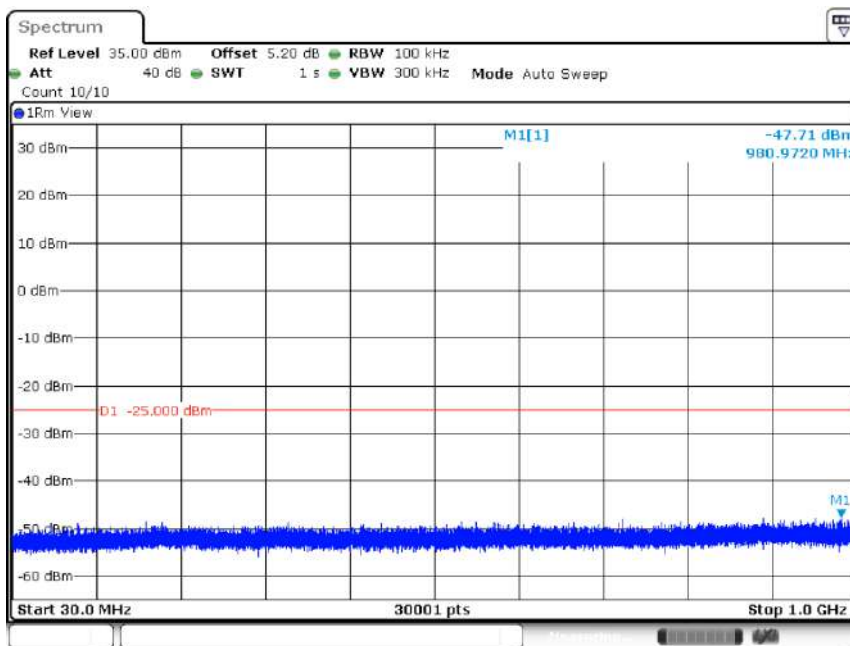
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Band7-20MHz-QPSK-21350-1RB#0-Range2:1000~30000MHz



Date: 10.AUG 2020 22:52:47

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



Date: 11.AUG 2020 00:09:48



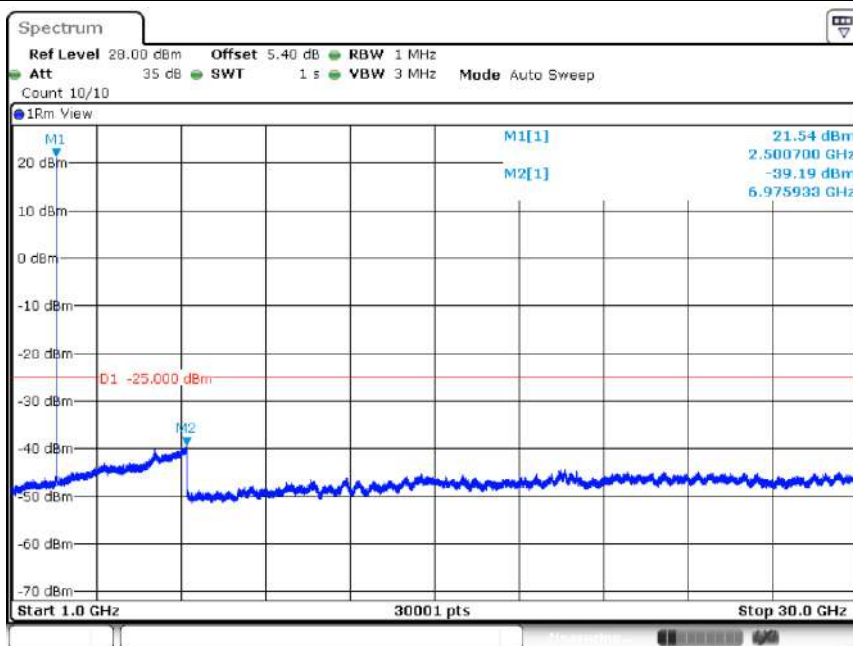
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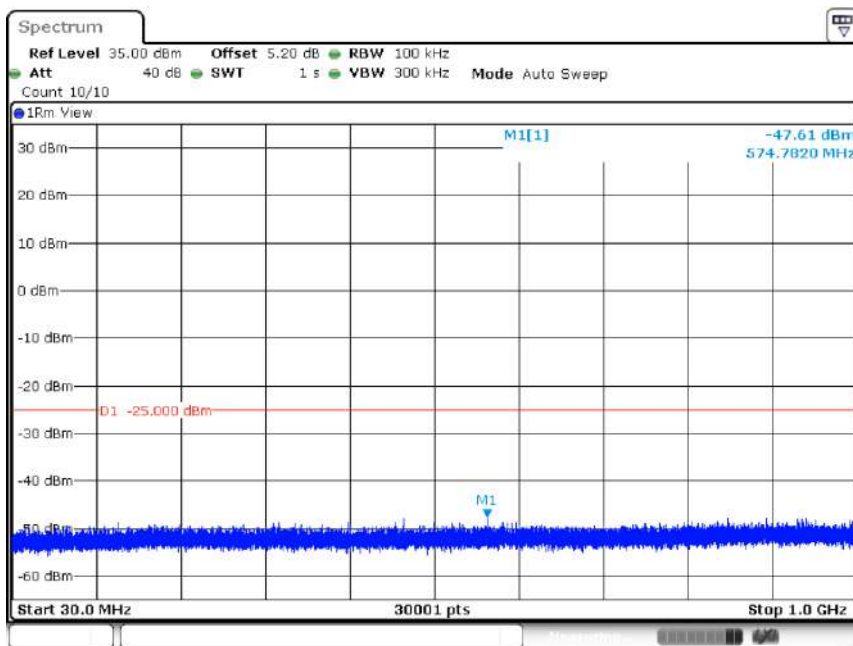
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Band7-20MHz-64QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 11 AUG 2020 00:10:05

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



Date: 11 AUG 2020 00:10:24



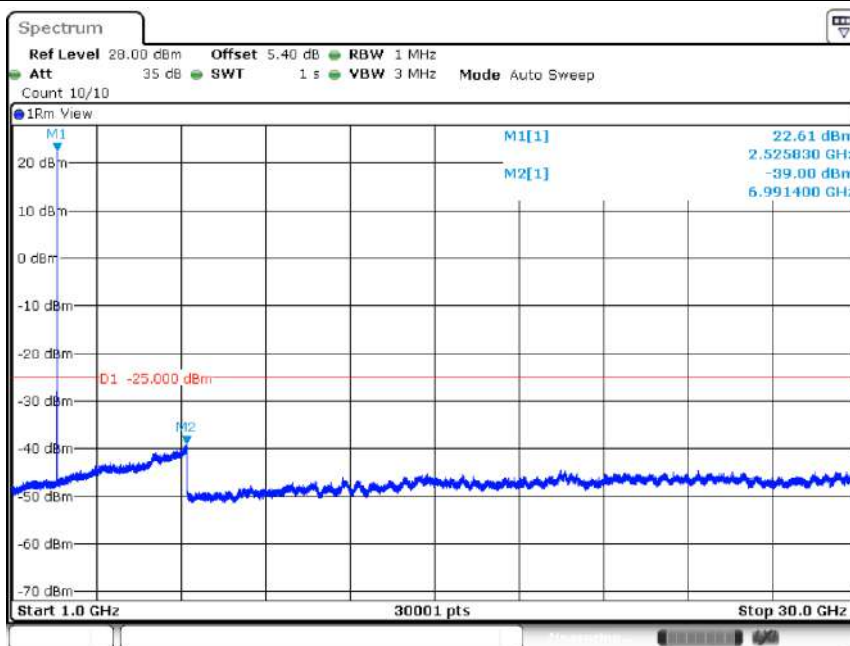
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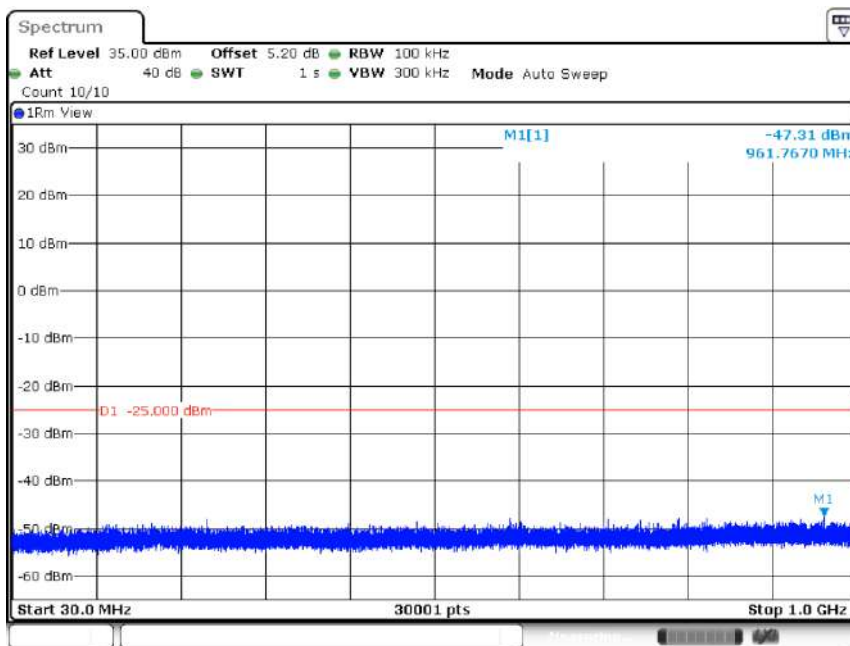
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Band7-20MHz-64QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 11 AUG 2020 00:10:40

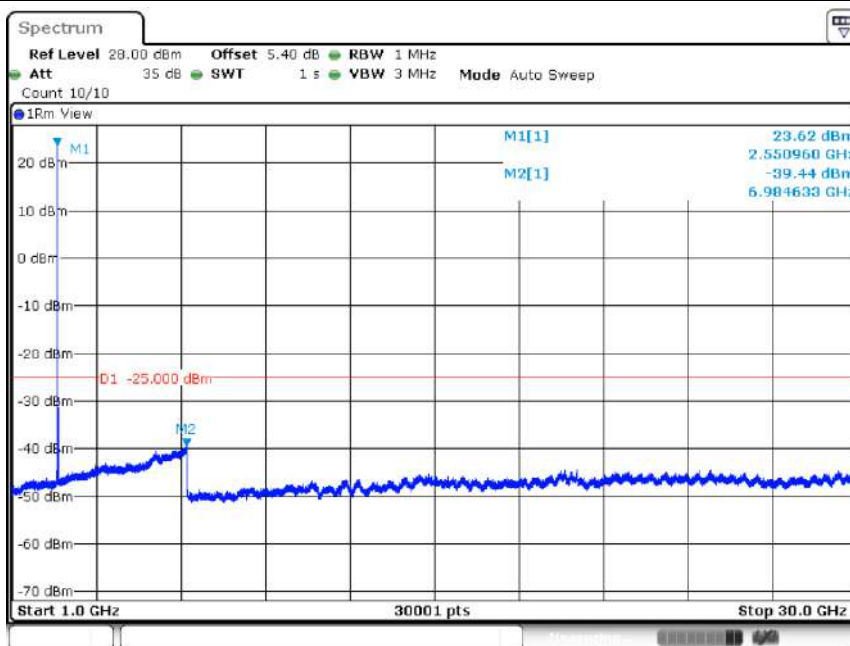
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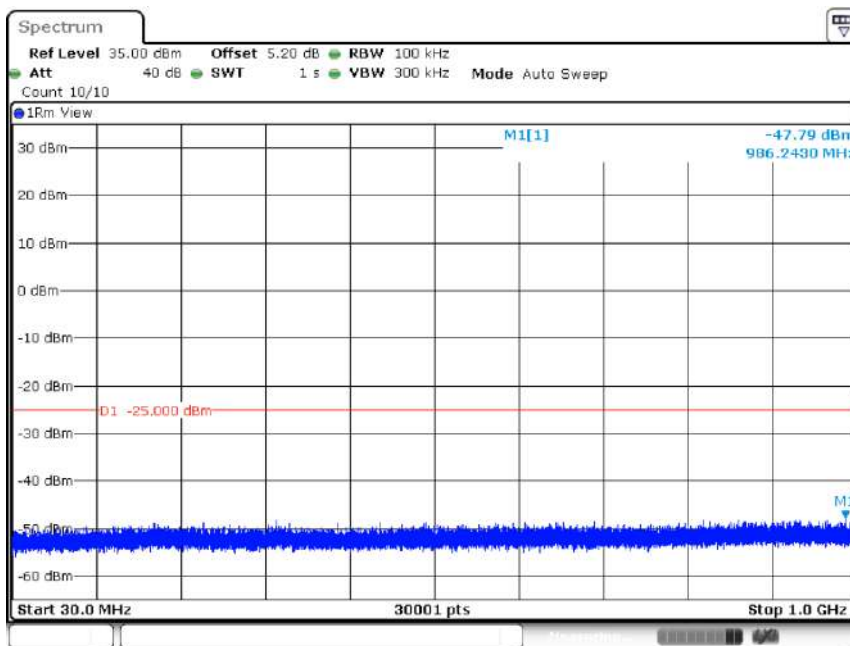


Band7-20MHz-64QAM-21350-1RB#0-Range2:1000~30000MHz



Date: 11 AUG 2020 00:11:15

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



Date: 10 AUG 2020 22:50:45



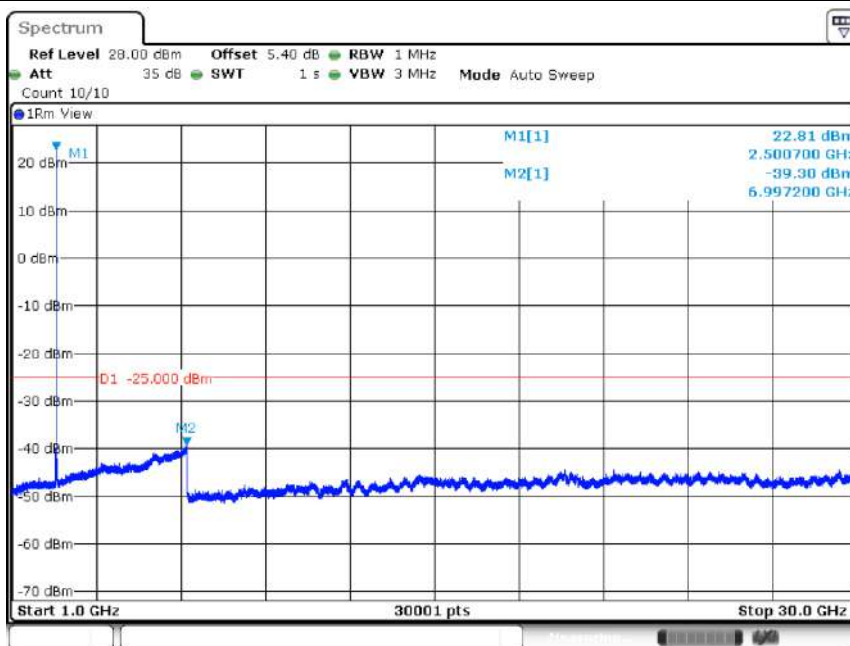
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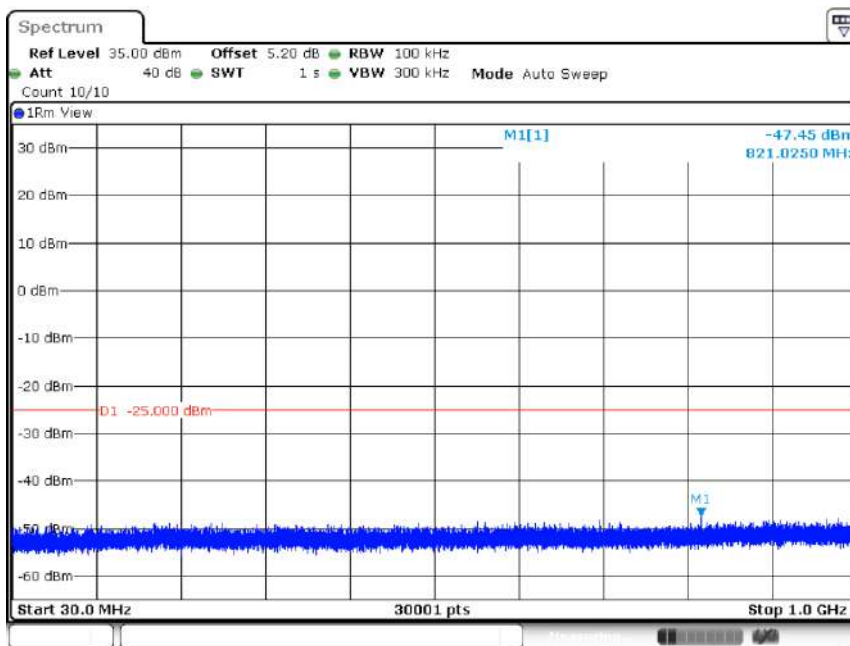
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Band7-20MHz-16QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 10.AUG.2020 22:51:01

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



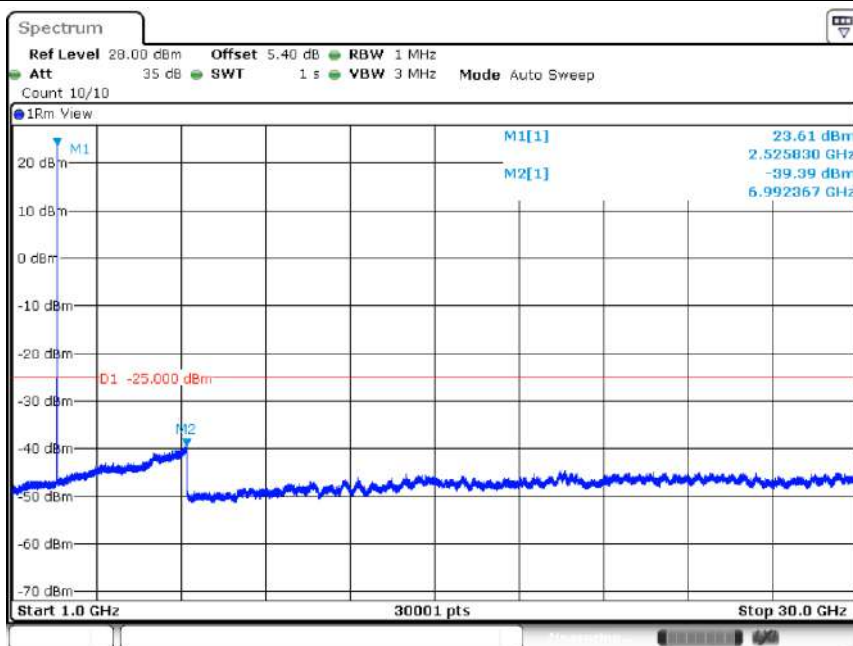
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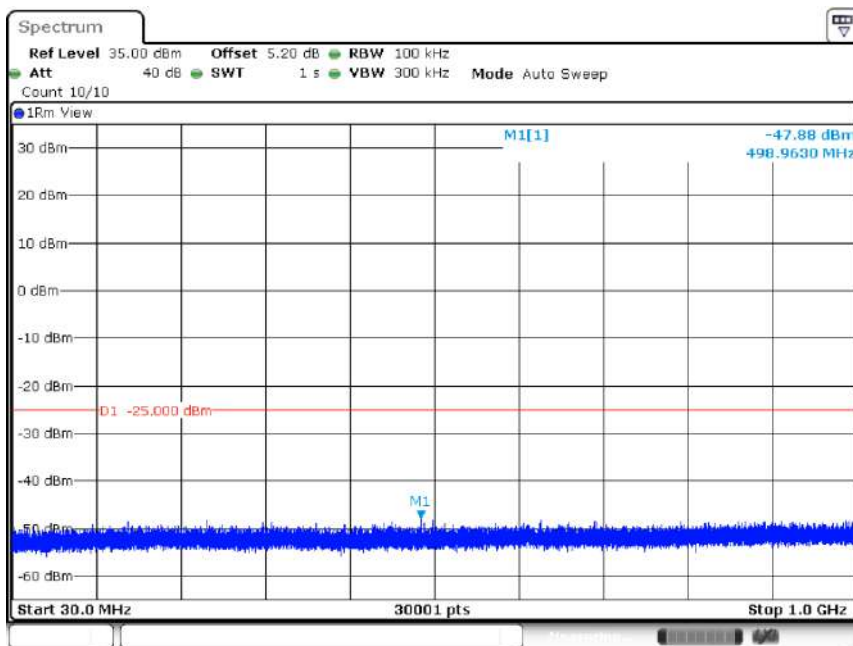
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Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 10.AUG.2020 22:52:12

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



Date: 10.AUG.2020 22:53:06



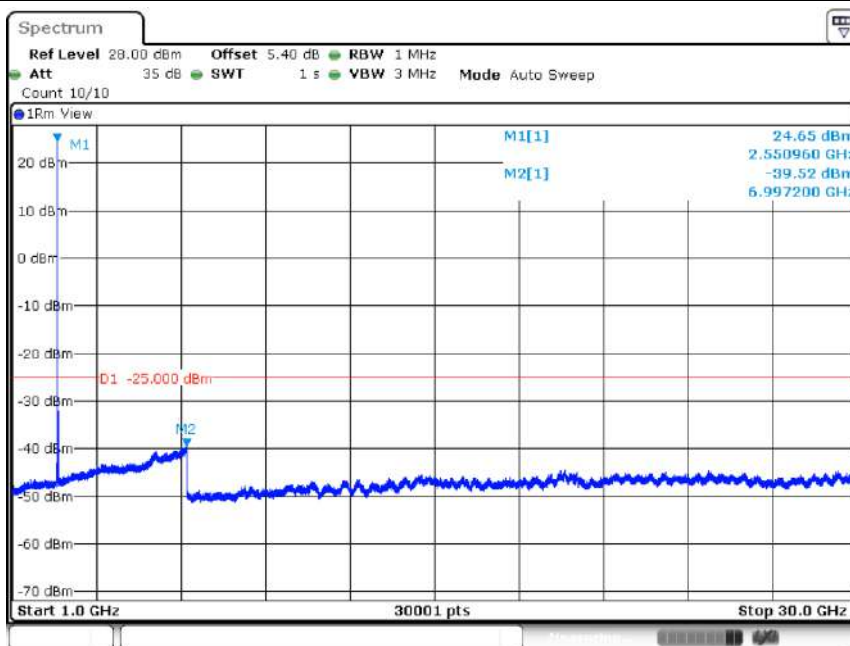
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Band7-20MHz-16QAM-21350-1RB#0-Range2:1000~30000MHz



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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)	Height [cm]	Angle [°]	Polarization
73.9917	-65.81	-25.00	40.81	254	99	Vertical
390.2760	-68.85	-25.00	43.85	156	99	Vertical
1280.8562	-49.28	-25.00	24.28	196	313	Vertical
5002.2801	-48.50	-25.00	23.50	321	271	Vertical
10004.0802	-51.58	-25.00	26.58	262	185	Vertical
17997.5999	-42.40	-25.00	17.40	244	56	Vertical
42.9501	-64.53	-25.00	39.53	171	202	Horizontal
225.5133	-68.67	-25.00	43.67	185	137	Horizontal
638.8509	-64.15	-25.00	39.15	196	114	Horizontal
1780.1560	-43.45	-25.00	18.45	213	276	Horizontal
5002.2801	-54.74	-25.00	29.74	262	224	Horizontal
16409.3364	-45.44	-25.00	20.44	196	202	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
74.4767	-65.41	-25.00	40.41	185	270	Vertical
343.2772	-68.77	-25.00	43.77	154	141	Vertical
1488.0976	-47.71	-25.00	22.71	163	123	Vertical
5052.0821	-47.19	-25.00	22.19	231	270	Vertical
10104.2842	-51.19	-25.00	26.19	262	162	Vertical
17998.1999	-42.54	-25.00	17.54	224	312	Vertical
47.2184	-64.81	-25.00	39.81	185	313	Horizontal
245.7873	-68.76	-25.00	43.76	196	120	Horizontal
620.8565	-64.85	-25.00	39.85	321	13	Horizontal
1798.1596	-44.59	-25.00	19.59	262	144	Horizontal
5052.0821	-53.14	-25.00	28.14	264	205	Horizontal
16374.5350	-46.12	-25.00	21.12	184	334	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
73.9917	-65.18	-25.00	40.18	188	120	Vertical
340.2215	-69.93	-25.00	44.93	184	270	Vertical
1234.8470	-49.48	-25.00	24.48	232	359	Vertical
5101.8841	-45.18	-25.00	20.18	259	270	Vertical
10204.4882	-50.45	-25.00	25.45	196	185	Vertical
17998.8000	-42.38	-25.00	17.38	321	270	Vertical
42.9987	-64.61	-25.00	39.61	165	4	Horizontal
229.9755	-69.28	-25.00	44.28	185	47	Horizontal
514.2967	-66.56	-25.00	41.56	174	155	Horizontal
1621.7243	-46.01	-25.00	21.01	196	77	Horizontal
5101.8841	-54.68	-25.00	29.68	231	222	Horizontal
16398.5359	-46.02	-25.00	21.02	262	287	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	-19.50	-0.007769	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	-15.20	-0.006056	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	-16.90	-0.006733	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-5.40	-0.002130	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	7.30	0.002880	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-9.90	-0.003905	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	-1.70	-0.000664	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-5.50	-0.002148	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-6.70	-0.002617	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VL	NT	-15.40	-0.006135	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VN	NT	-15.60	-0.006215	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VH	NT	-14.50	-0.005777	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VL	NT	9.50	0.003748	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VN	NT	-13.70	-0.005404	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VH	NT	-12.30	-0.004852	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VL	NT	0.70	0.000273	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VN	NT	-5.60	-0.002188	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VH	NT	-7.00	-0.002734	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	-7.80	-0.003108	±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	-9.80	-0.003904	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	0.10	0.000039	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-2.60	-0.001026	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-1.30	-0.000513	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	7.40	0.002891	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	-2.30	-0.000898	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	1.90	0.000742	±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	-6.20	-0.002470	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-13.90	-0.005538	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	-10.50	-0.004183	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	-16.30	-0.006494	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-11.90	-0.004741	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	-10.00	-0.003984	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	-4.60	-0.001833	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	-12.20	-0.004861	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	-5.60	-0.002231	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-2.30	-0.000907	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-8.80	-0.003471	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-7.60	-0.002998	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	2.60	0.001026	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	1.70	0.000671	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	6.00	0.002367	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-7.90	-0.003116	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-2.40	-0.000947	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	0.30	0.000118	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-3.90	-0.001523	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	2.20	0.000859	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	-4.10	-0.001602	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-3.10	-0.001211	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	0.30	0.000117	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	6.60	0.002578	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	-2.90	-0.001133	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	0.00	0.000000	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-9.80	-0.003828	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-30	-16.20	-0.006454	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-20	-13.00	-0.005179	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-10	-9.80	-0.003904	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	0	-1.90	-0.000757	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	10	-5.70	-0.002271	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	20	-6.60	-0.002629	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	30	-4.50	-0.001793	±2.5	PASS



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Band7	20MHz	64QAM	20850	100RB#0	NV	40	-4.20	-0.001673	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	50	-9.40	-0.003745	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-30	-11.70	-0.004615	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-20	-5.30	-0.002091	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-10	-6.50	-0.002564	±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	-13.60	-0.005365	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	20	-1.80	-0.000710	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	30	6.40	0.002525	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	40	-0.70	-0.000276	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	50	-13.60	-0.005365	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-30	3.60	0.001406	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-20	-9.40	-0.003672	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-10	5.40	0.002109	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	0	4.10	0.001602	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	10	-9.20	-0.003594	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	20	-8.10	-0.003164	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	30	-4.90	-0.001914	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	40	1.70	0.000664	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	50	-6.80	-0.002656	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	-15.60	-0.006215	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	-12.60	-0.005020	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-10	-13.50	-0.005378	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	-7.80	-0.003108	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	-19.80	-0.007888	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	-3.30	-0.001315	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	30	-17.70	-0.007052	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	-2.70	-0.001076	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	-14.50	-0.005777	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	-8.00	-0.003156	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-6.80	-0.002682	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-10	5.30	0.002091	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	3.70	0.001460	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-2.10	-0.000828	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	4.70	0.001854	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	-1.20	-0.000473	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	5.00	0.001972	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	-3.60	-0.001420	±2.5	PASS



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Band7	20MHz	16QAM	21350	100RB#0	NV	-30	6.30	0.002461	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	2.30	0.000898	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-10	4.30	0.001680	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	0.90	0.000352	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	6.70	0.002617	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	-6.10	-0.002383	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	4.00	0.001563	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	-7.90	-0.003086	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	-7.70	-0.003008	±2.5	PASS

The End

