

Appendix B

E-UTRA Band 7



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Shenzhen Branch Testing Center IEC Laboratory

1 Effective (Isotropic) Radiated Power

1.1. Test Result

For ANT1:

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.64	25.06	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.51	24.93	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.31	24.73	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.63	24.05	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.61	24.03	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.59	24.01	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.59	24.01	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.12	24.54	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.33	24.75	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.16	24.58	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.40	23.82	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.48	23.9	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#13	22.40	23.82	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.33	23.75	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.41	24.83	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.48	24.9	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.40	24.82	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#0	22.50	23.92	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.63	24.05	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#13	22.42	23.84	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.47	23.89	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	21.45	22.87	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	21.42	22.84	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	21.45	22.87	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#0	20.68	22.1	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#6	20.78	22.2	33.00	PASS

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Band7	5MHz	64QAM	20775	12RB#13	20.72	22.14	33.00	PASS
Band7	5MHz	64QAM	20775	25RB#0	20.63	22.05	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	21.60	23.02	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	21.94	23.36	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	21.92	23.34	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#0	20.38	21.8	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#6	20.47	21.89	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#13	20.51	21.93	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	20.50	21.92	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	21.55	22.97	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	21.44	22.86	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	21.46	22.88	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#0	20.50	21.92	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#6	20.64	22.06	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#13	20.31	21.73	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	20.53	21.95	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.48	23.9	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.41	23.83	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.51	23.93	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.70	23.12	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#0	21.79	23.21	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.69	23.11	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.63	23.05	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.56	23.98	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.91	24.33	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.95	24.37	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.43	22.85	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#0	21.50	22.92	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.56	22.98	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.47	22.89	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.61	24.03	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.49	23.91	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.52	23.94	33.00	PASS

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Band7	5MHz	16QAM	21425	12RB#0	21.49	22.91	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#6	21.60	23.02	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#13	21.35	22.77	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.53	22.95	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.51	24.93	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.72	25.14	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.54	24.96	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.59	24.01	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.61	24.03	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.62	24.04	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.75	24.17	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.46	24.88	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.73	25.15	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.22	24.64	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.45	23.87	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.41	23.83	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.45	23.87	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.52	23.94	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.37	24.79	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.43	24.85	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.31	24.73	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.59	24.01	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.47	23.89	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#12	22.55	23.97	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.46	23.88	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	21.63	23.05	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	21.84	23.26	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	21.77	23.19	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#0	20.76	22.18	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#12	20.72	22.14	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#25	20.68	22.1	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	20.79	22.21	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	21.22	22.64	33.00	PASS

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Band7	10MHz	64QAM	21100	1RB#49	21.29	22.71	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#24	21.63	23.05	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#25	20.58	22	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#0	20.44	21.86	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#12	20.59	22.01	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	20.54	21.96	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	21.55	22.97	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	21.52	22.94	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	21.34	22.76	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#0	20.62	22.04	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#25	20.64	22.06	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#12	20.53	21.95	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.59	22.01	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.66	24.08	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.87	24.29	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.83	24.25	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.75	23.17	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.73	23.15	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.67	23.09	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.78	23.2	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.27	23.69	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.25	23.67	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.68	24.1	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.57	22.99	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.50	22.92	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.57	22.99	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.60	23.02	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.51	23.93	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.53	23.95	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.33	23.75	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.67	23.09	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.62	23.04	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.56	22.98	33.00	PASS

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Band7	10MHz	16QAM	21400	50RB#0	21.59	23.01	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.51	24.93	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.59	25.01	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.49	24.91	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#0	22.60	24.02	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#18	22.63	24.05	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#39	22.58	24	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.57	23.99	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.27	24.69	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.29	24.71	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.17	24.59	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#0	22.38	23.8	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#18	22.36	23.78	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#39	22.42	23.84	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.43	23.85	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.33	24.75	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.33	24.75	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.36	24.78	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#0	22.50	23.92	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#18	22.45	23.87	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#39	22.51	23.93	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.50	23.92	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	21.73	23.15	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	21.86	23.28	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	21.47	22.89	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#0	20.70	22.12	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#18	20.77	22.19	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#39	20.71	22.13	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	20.57	21.99	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	21.83	23.25	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	21.31	22.73	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	21.43	22.85	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#0	20.46	21.88	33.00	PASS

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Band7	15MHz	64QAM	21100	36RB#18	20.45	21.87	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#39	20.36	21.78	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	20.44	21.86	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	21.79	23.21	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	21.82	23.24	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#38	21.58	23	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#0	20.53	21.95	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#18	20.42	21.84	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#39	20.45	21.87	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	20.55	21.97	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.69	24.11	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.83	24.25	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.53	23.95	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#18	21.74	23.16	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#0	21.73	23.15	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#39	21.68	23.1	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.63	23.05	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.88	24.3	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.32	23.74	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.44	23.86	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#39	21.45	22.87	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#0	21.47	22.89	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#18	21.38	22.8	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.49	22.91	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.83	24.25	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.81	24.23	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.54	23.96	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#0	21.50	22.92	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#18	21.48	22.9	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#39	21.44	22.86	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.56	22.98	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.33	24.75	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.75	25.17	33.00	PASS

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Band7	20MHz	QPSK	20850	1RB#0	23.76	25.18	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.59	24.01	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#25	22.64	24.06	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.62	24.04	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.65	24.07	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.23	24.65	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.35	24.77	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.99	24.41	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.51	23.93	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.46	23.88	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.34	23.76	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.37	23.79	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.01	24.43	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.45	24.87	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.98	24.4	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.63	24.05	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.37	23.79	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.35	23.77	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.40	23.82	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	21.65	23.07	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	21.78	23.2	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	21.68	23.1	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#0	20.67	22.09	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#25	20.67	22.09	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#50	20.61	22.03	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	20.70	22.12	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	21.42	22.84	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	21.89	23.31	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	21.40	22.82	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#50	20.53	21.95	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#0	20.55	21.97	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#25	20.51	21.93	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	20.54	21.96	33.00	PASS

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Band7	20MHz	64QAM	21350	1RB#49	21.50	22.92	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#0	21.79	23.21	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	21.16	22.58	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#0	20.56	21.98	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#50	20.47	21.89	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#25	20.40	21.82	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	20.51	21.93	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.87	24.29	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.99	24.41	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.32	23.74	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.68	23.1	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.64	23.06	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.72	23.14	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.68	23.1	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.07	23.49	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.68	24.1	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.27	23.69	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#50	21.53	22.95	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.50	22.92	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.44	22.86	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.40	22.82	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.66	24.08	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.57	23.99	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.19	23.61	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.53	22.95	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.58	23	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.47	22.89	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.58	23	33.00	PASS

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For ANT2:

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.49	24.04	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.56	24.11	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.39	23.94	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.52	23.07	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.53	23.08	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.47	23.02	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.51	23.06	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.43	23.98	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.40	23.95	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.15	23.7	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.26	22.81	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.53	23.08	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#13	22.41	22.96	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.42	22.97	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.31	23.86	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.54	24.09	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.34	23.89	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#0	22.45	23	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.50	23.05	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#13	22.57	23.12	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.44	22.99	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	21.45	22	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	21.58	22.13	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	21.35	21.9	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#0	20.59	21.14	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#6	20.58	21.13	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#13	20.63	21.18	33.00	PASS
Band7	5MHz	64QAM	20775	25RB#0	20.49	21.04	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	21.38	21.93	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	22.00	22.55	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	21.20	21.75	33.00	PASS

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Band7	5MHz	64QAM	21100	12RB#0	20.42	20.97	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#6	20.51	21.06	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#13	20.42	20.97	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	20.51	21.06	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	21.23	21.78	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	21.49	22.04	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	21.40	21.95	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#0	20.55	21.1	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#6	20.70	21.25	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#13	20.64	21.19	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	20.55	21.1	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.51	23.06	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.61	23.16	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.40	22.95	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.56	22.11	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#0	21.64	22.19	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.66	22.21	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.51	22.06	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.34	22.89	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.99	23.54	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.16	22.71	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.42	21.97	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#0	21.50	22.05	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.47	22.02	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.49	22.04	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.26	22.81	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.51	23.06	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.46	23.01	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#0	21.60	22.15	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#6	21.70	22.25	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#13	21.62	22.17	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.56	22.11	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.40	23.95	33.00	PASS

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Band7	10MHz	QPSK	20800	1RB#49	23.50	24.05	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.51	24.06	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.51	23.06	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.49	23.04	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.60	23.15	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.67	23.22	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.27	23.82	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.67	24.22	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.14	23.69	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.44	22.99	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.37	22.92	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.38	22.93	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.40	22.95	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.37	23.92	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.69	24.24	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.34	23.89	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.52	23.07	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.57	23.12	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#12	22.61	23.16	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.53	23.08	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	21.73	22.28	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	21.63	22.18	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	21.66	22.21	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#0	20.61	21.16	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#12	20.57	21.12	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#25	20.58	21.13	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	20.65	21.2	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	21.52	22.07	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	21.47	22.02	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#24	21.59	22.14	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#25	20.50	21.05	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#0	20.39	20.94	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#12	20.51	21.06	33.00	PASS

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Band7	10MHz	64QAM	21100	50RB#0	20.60	21.15	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	21.51	22.06	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	21.41	21.96	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	21.44	21.99	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#0	20.63	21.18	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#25	20.65	21.2	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#12	20.72	21.27	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.58	21.13	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.72	23.27	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.61	23.16	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.62	23.17	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.67	22.22	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.62	22.17	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.61	22.16	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.64	22.19	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.57	23.12	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.52	23.07	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.55	23.1	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.46	22.01	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.43	21.98	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.53	22.08	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.56	22.11	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.51	23.06	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.46	23.01	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.49	23.04	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.64	22.19	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.61	22.16	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.68	22.23	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.59	22.14	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.35	23.9	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.39	23.94	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.24	23.79	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#0	22.51	23.06	33.00	PASS

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Band7	15MHz	QPSK	20825	36RB#18	22.54	23.09	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#39	22.44	22.99	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.45	23	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.32	23.87	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.22	23.77	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.23	23.78	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#0	22.43	22.98	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#18	22.35	22.9	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#39	22.46	23.01	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.38	22.93	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.18	23.73	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.43	23.98	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.35	23.9	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#0	22.50	23.05	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#18	22.39	22.94	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#39	22.51	23.06	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.48	23.03	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	21.54	22.09	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	21.63	22.18	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	21.37	21.92	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#0	20.52	21.07	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#18	20.58	21.13	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#39	20.57	21.12	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	20.62	21.17	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	21.40	21.95	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	21.97	22.52	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	21.14	21.69	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#0	20.48	21.03	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#18	20.42	20.97	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#39	20.48	21.03	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	20.47	21.02	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	21.37	21.92	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	21.46	22.01	33.00	PASS

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Band7	15MHz	64QAM	21375	1RB#38	21.36	21.91	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#0	20.56	21.11	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#18	20.49	21.04	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#39	20.55	21.1	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	20.58	21.13	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.57	23.12	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.69	23.24	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.33	22.88	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#18	21.58	22.13	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#0	21.63	22.18	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#39	21.57	22.12	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.60	22.15	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.37	22.92	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.93	23.48	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.19	22.74	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#39	21.47	22.02	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#0	21.48	22.03	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#18	21.44	21.99	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.43	21.98	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.41	22.96	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.42	22.97	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.40	22.95	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#0	21.61	22.16	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#18	21.53	22.08	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#39	21.56	22.11	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.61	22.16	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.18	23.73	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.52	24.07	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.19	23.74	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.60	23.15	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#25	22.53	23.08	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.48	23.03	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.49	23.04	33.00	PASS

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Band7	20MHz	QPSK	21100	1RB#0	23.08	23.63	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.28	23.83	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.99	23.54	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.35	22.9	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.44	22.99	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.39	22.94	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.34	22.89	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.01	23.56	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.47	24.02	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.22	23.77	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.58	23.13	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.46	23.01	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.52	23.07	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.47	23.02	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	21.53	22.08	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	21.82	22.37	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	21.20	21.75	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#0	20.66	21.21	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#25	20.56	21.11	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#50	20.52	21.07	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	20.60	21.15	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	21.60	22.15	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	21.84	22.39	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	21.55	22.1	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#50	20.64	21.19	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#0	20.63	21.18	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#25	20.51	21.06	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	20.59	21.14	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#49	21.37	21.92	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#0	22.00	22.55	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	21.20	21.75	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#0	20.65	21.2	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#50	20.48	21.03	33.00	PASS

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Band7	20MHz	64QAM	21350	50RB#25	20.49	21.04	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	20.53	21.08	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.30	22.85	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.77	23.32	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.43	22.98	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.61	22.16	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.58	22.13	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.51	22.06	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.50	22.05	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.61	23.16	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.45	23	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.41	22.96	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#50	21.55	22.1	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.43	21.98	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.51	22.06	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.53	22.08	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.24	22.79	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.56	23.11	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.77	23.32	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.68	22.23	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.54	22.09	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.49	22.04	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.52	22.07	33.00	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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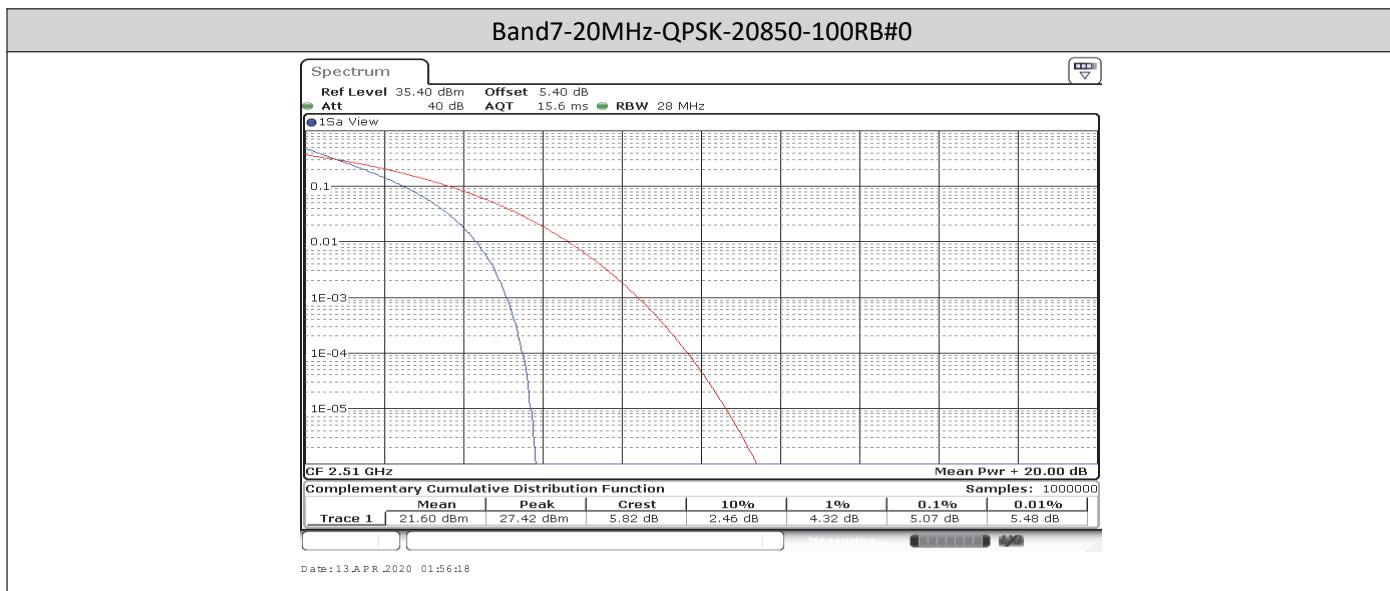
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2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.07	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.48	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.16	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.38	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.67	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.35	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.91	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.32	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	4.52	13	PASS

2.2. Test Plots



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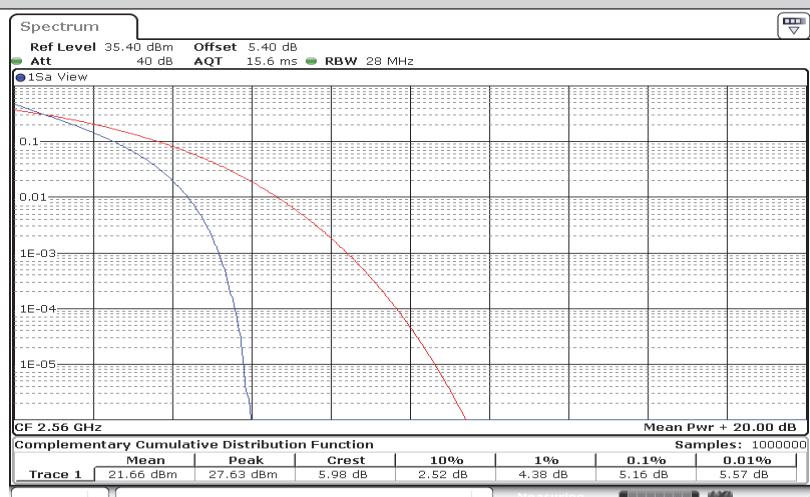
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Band7-20MHz-QPSK-21100-100RB#0



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



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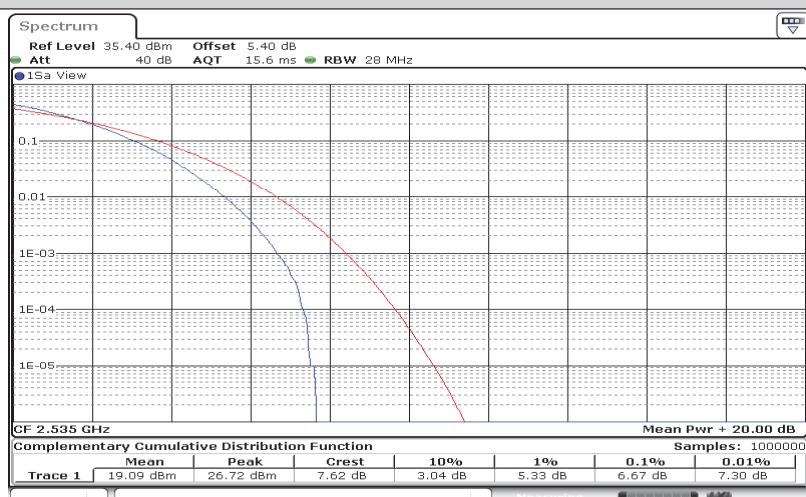


Band7-20MHz-64QAM-20850-100RB#0



Date: 6.MAY.2020 11:49:11

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



Date: 6.MAY.2020 11:49:26

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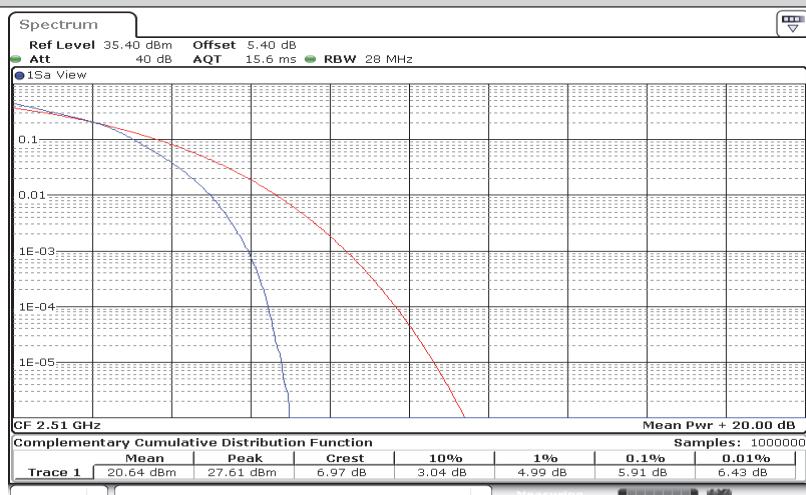


Band7-20MHz-64QAM-21350-100RB#0



Date: 6.MAY.2020 11:49:42

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



Date: 13.APR.2020 01:56:33

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



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



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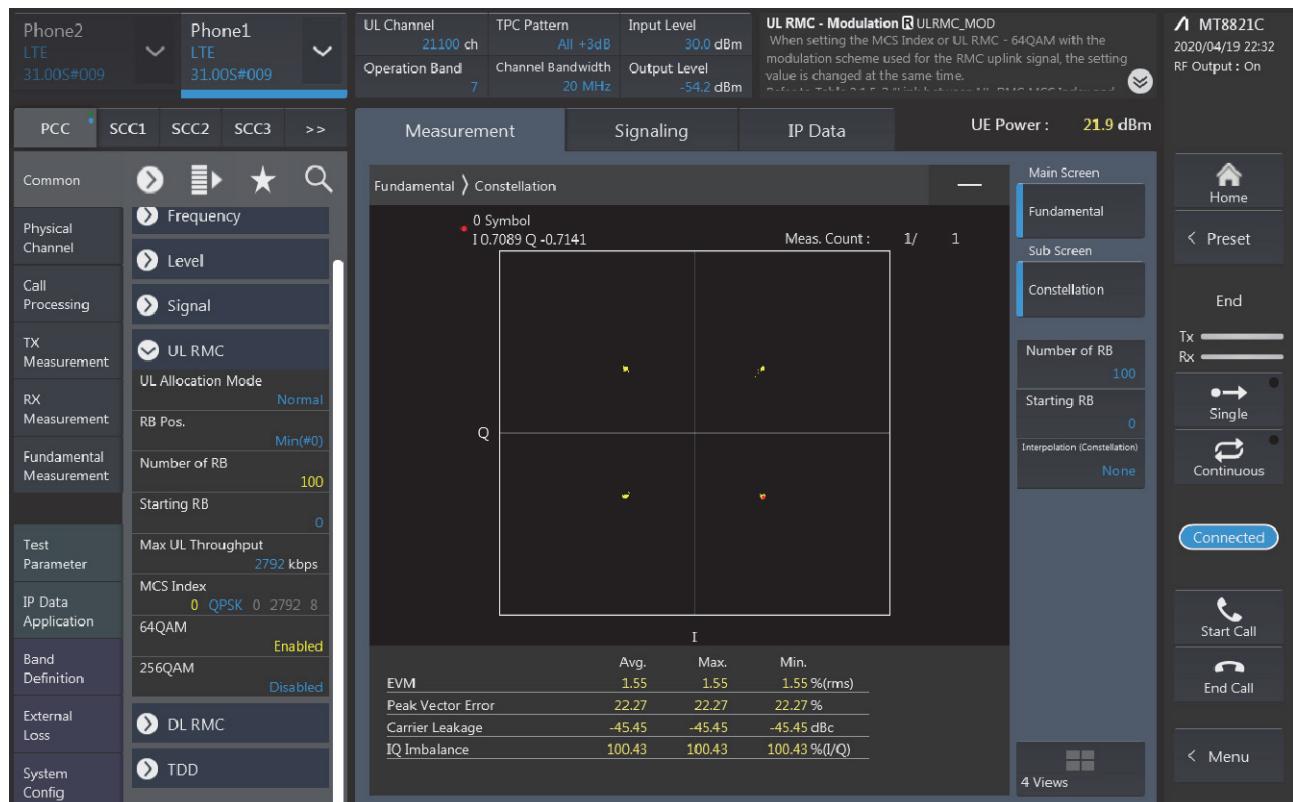


3. Modulation Characteristics

3.1. Test Band = LTE Band 7

3.1.1. Test Mode = LTE /TM1 20MHz

3.1.1.1. Test Channel = MCH



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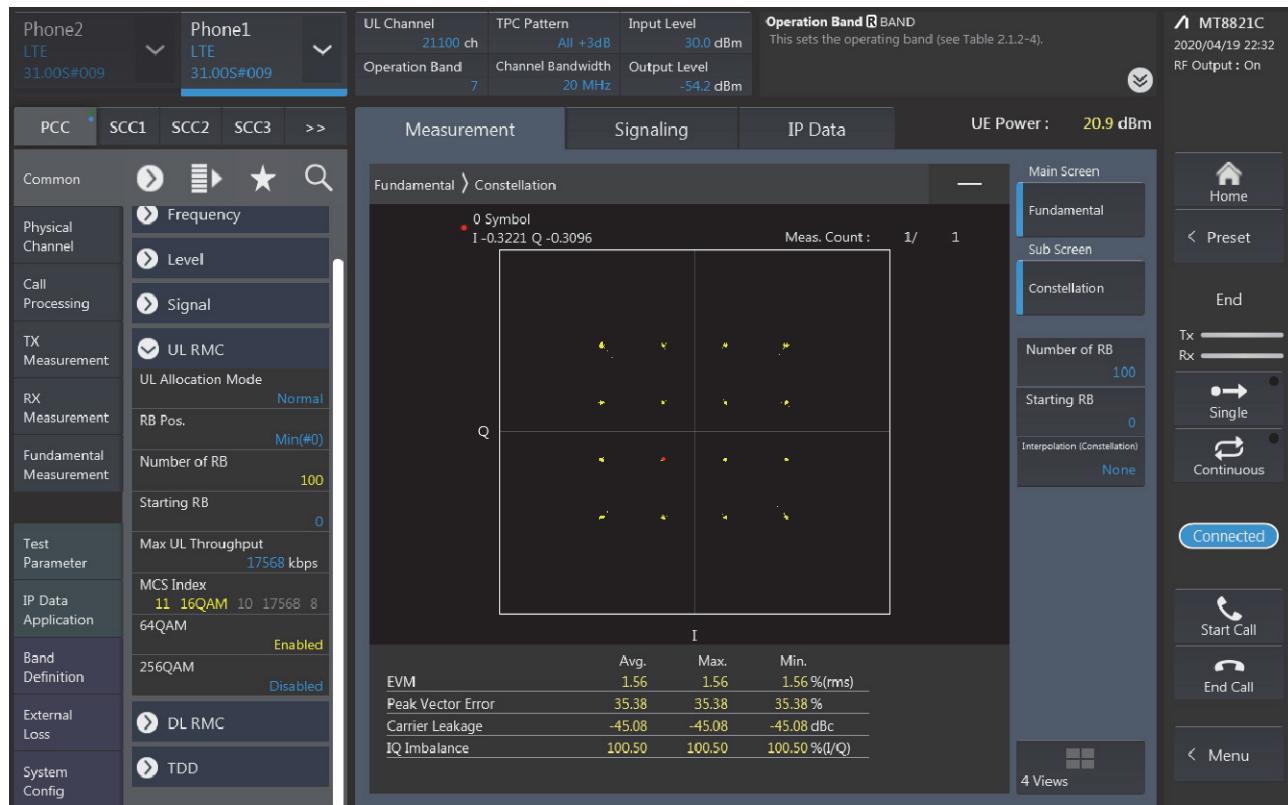


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3.1.2. Test Mode = LTE /TM2 20MHz

3.1.2.1. Test Channel = MCH



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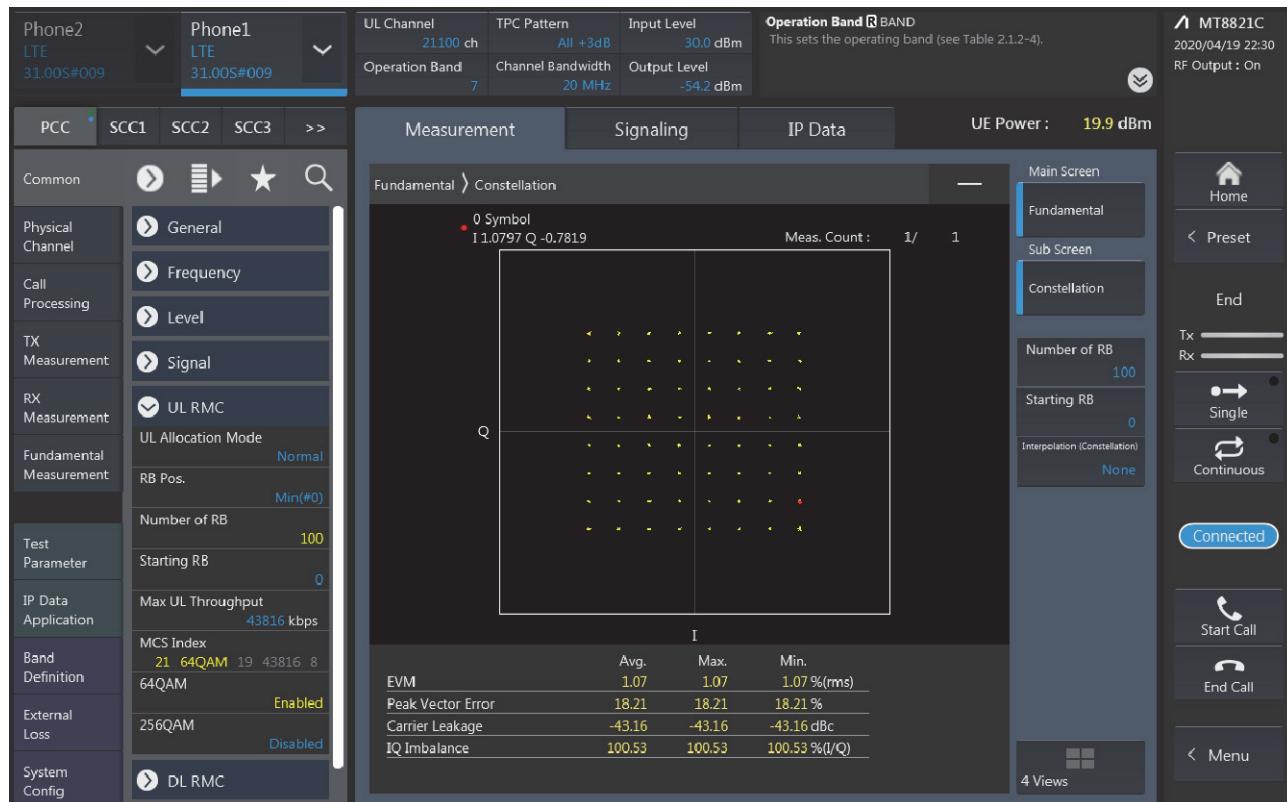


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3.1.3. Test Mode = LTE /TM3 20MHz

3.1.3.1. Test Channel = MCH



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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.476	4.770	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.750	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.476	4.820	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.466	4.840	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.476	4.730	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.476	4.940	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.486	4.770	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.486	4.760	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.486	4.740	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.991	9.520	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.951	9.400	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.971	9.460	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.971	9.420	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.951	9.520	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.931	9.580	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.951	9.460	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.931	9.620	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.991	9.540	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.606	14.580	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.606	14.580	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.576	14.490	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.576	14.520	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.457	14.700	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.427	14.700	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.457	15.090	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.576	14.520	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.576	14.490	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.022	19.120	PASS
Band7	20MHz	QPSK	21100	100RB#0	18.062	19.080	PASS
Band7	20MHz	QPSK	21350	100RB#0	18.062	19.080	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.902	19.240	PASS

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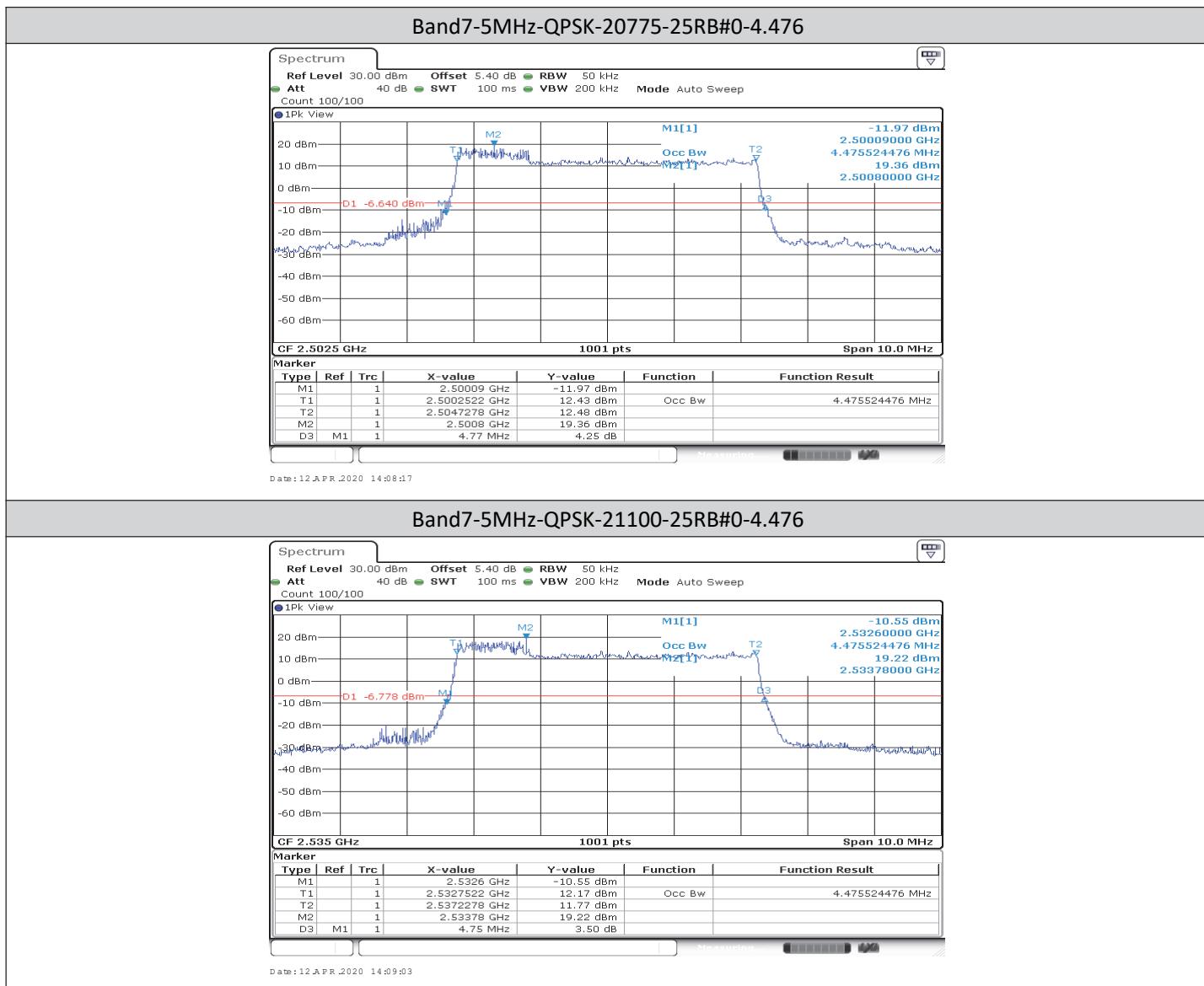


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Band7	20MHz	64QAM	21100	100RB#0	18.022	18.960	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.902	20.400	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.022	19.120	PASS
Band7	20MHz	16QAM	21100	100RB#0	18.022	19.200	PASS
Band7	20MHz	16QAM	21350	100RB#0	18.022	19.000	PASS

4.2. Test Plots



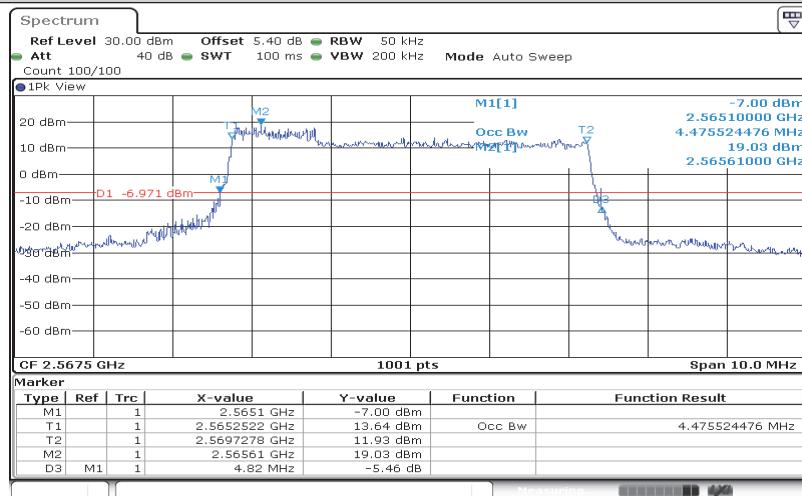
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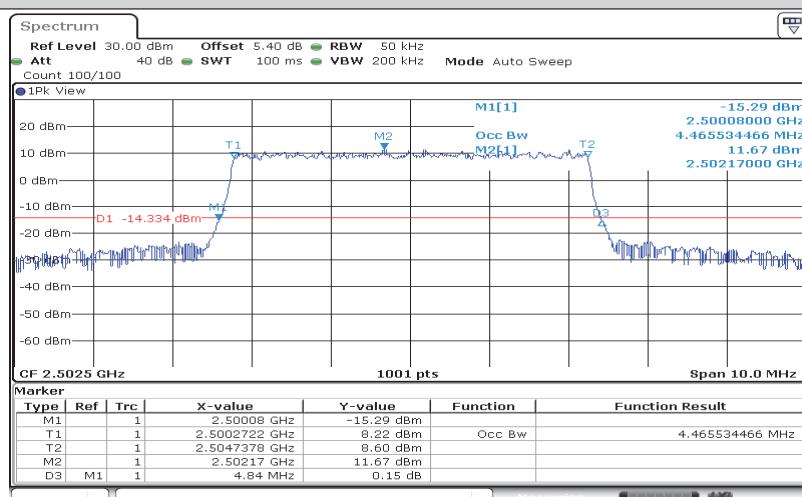


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Band7-5MHz-QPSK-21425-25RB#0-4.476



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



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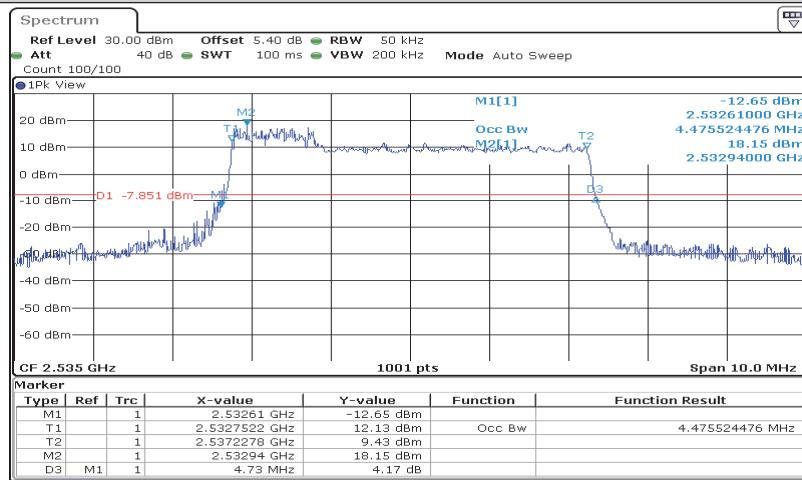
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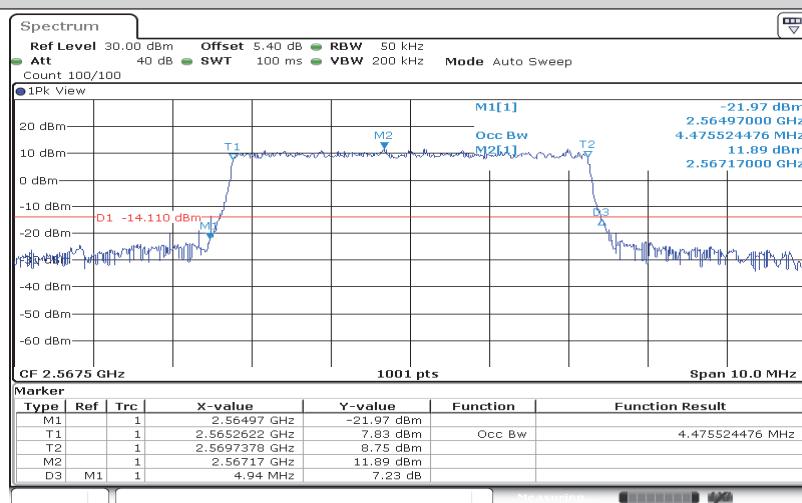
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Band7-5MHz-64QAM-21100-25RB#0-4.476



Date: 6.MAY.2020 08:31:21

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



Date: 6.MAY.2020 08:31:42

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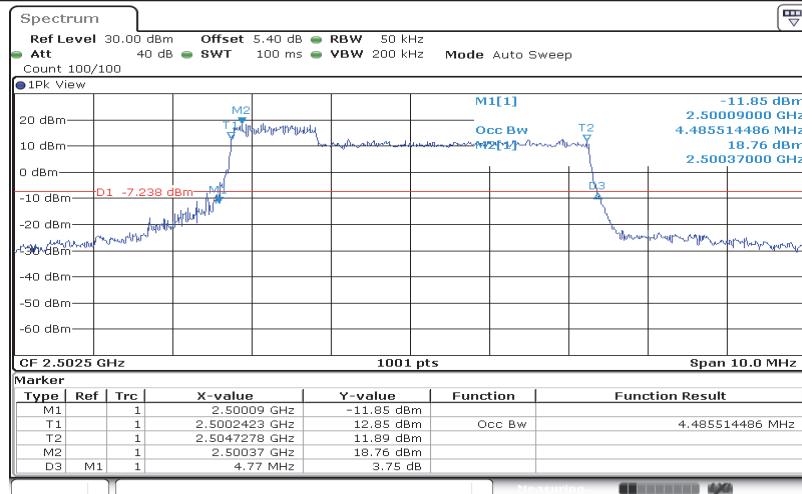
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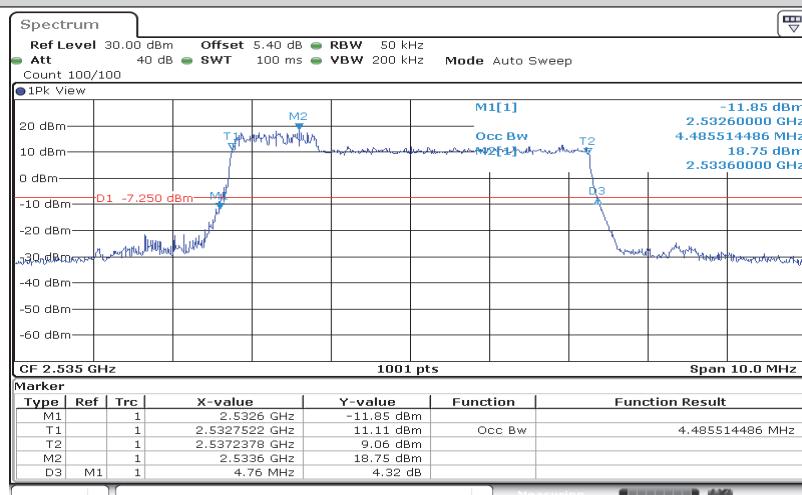
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Band7-5MHz-16QAM-20775-25RB#0-4.486



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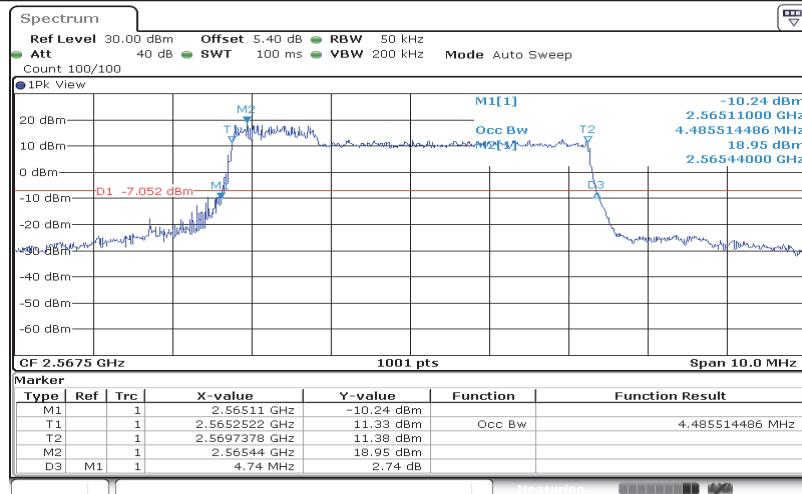


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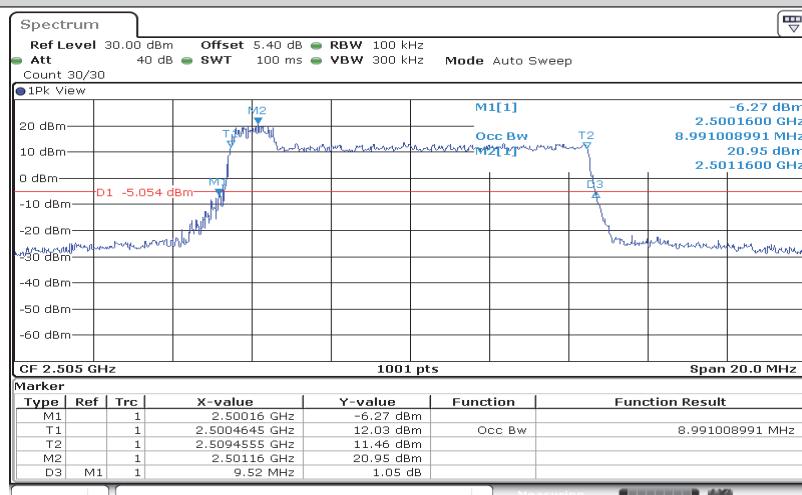
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Band7-5MHz-16QAM-21425-25RB#0-4.486



Band7-10MHz-QPSK-20800-50RB#0-8.991



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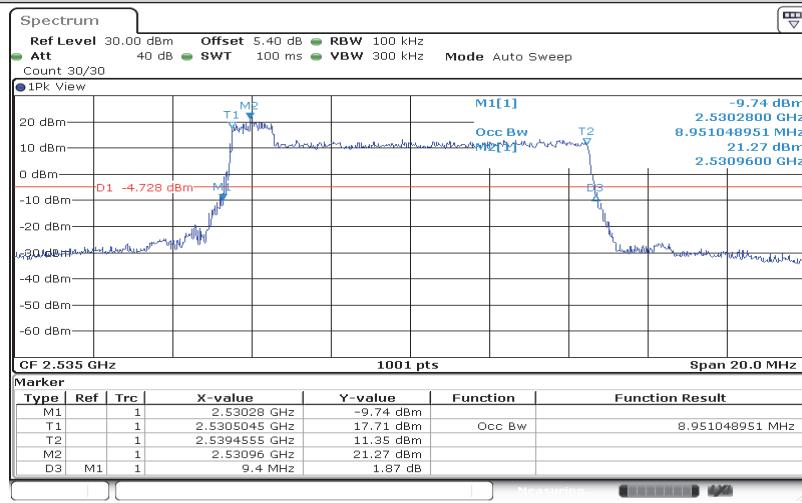
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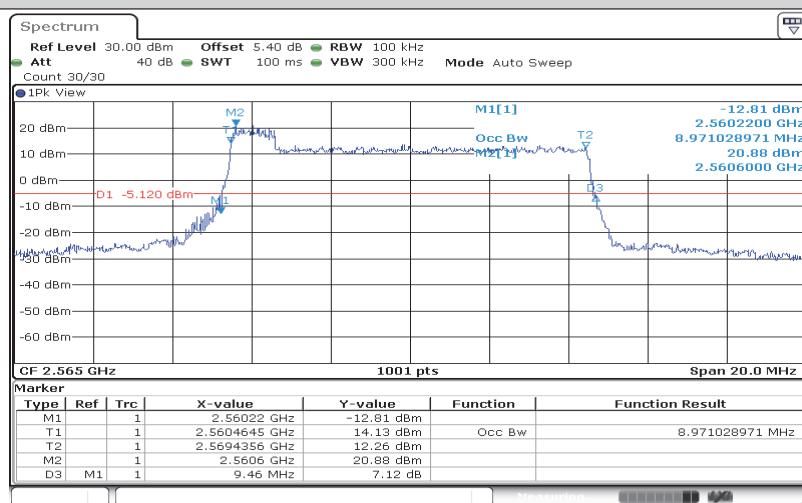
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Band7-10MHz-QPSK-21100-50RB#0-8.951



Band7-10MHz-QPSK-21400-50RB#0-8.971

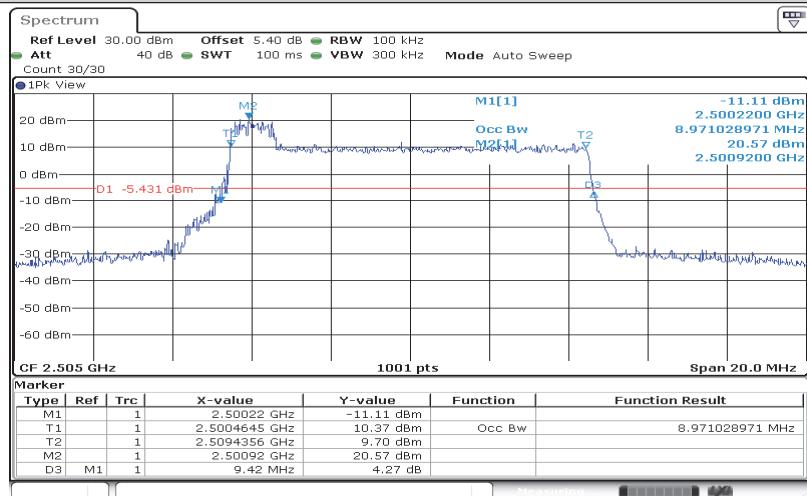


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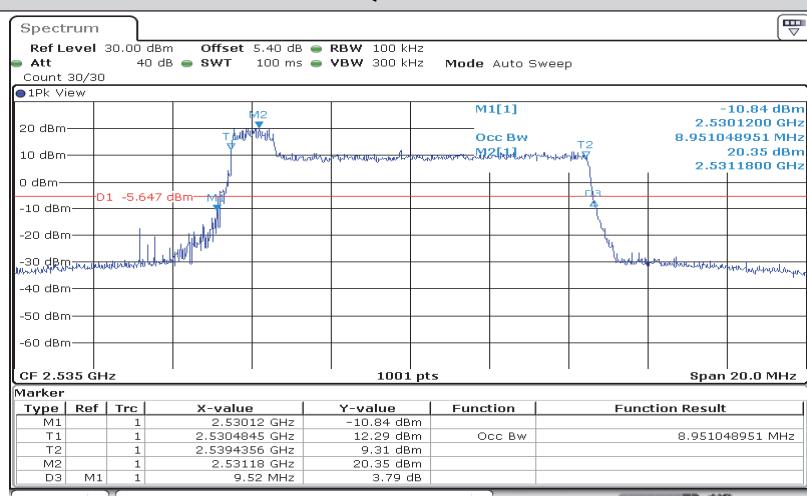
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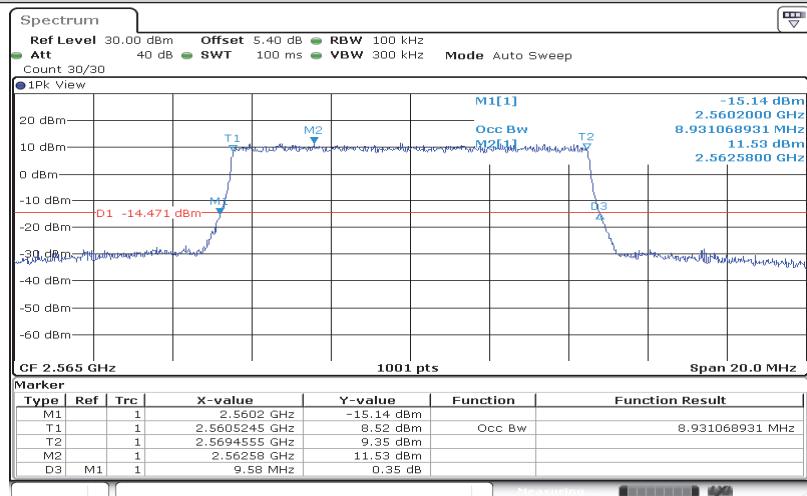


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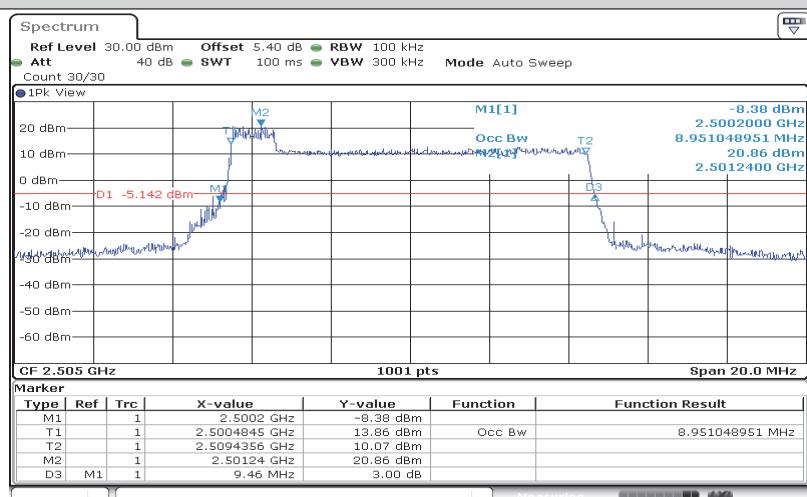
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Band7-10MHz-64QAM-21400-50RB#0-8.931



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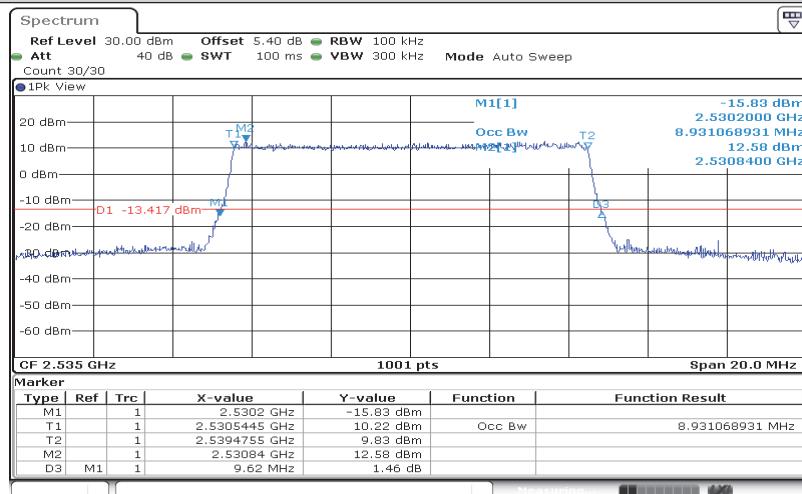
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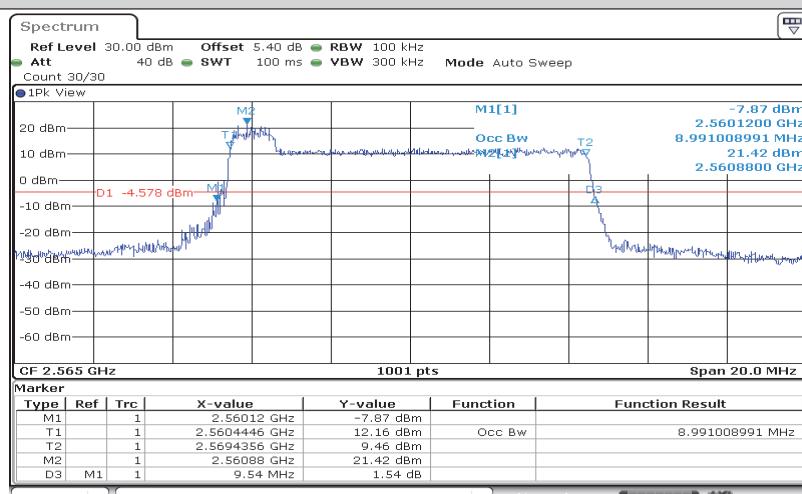
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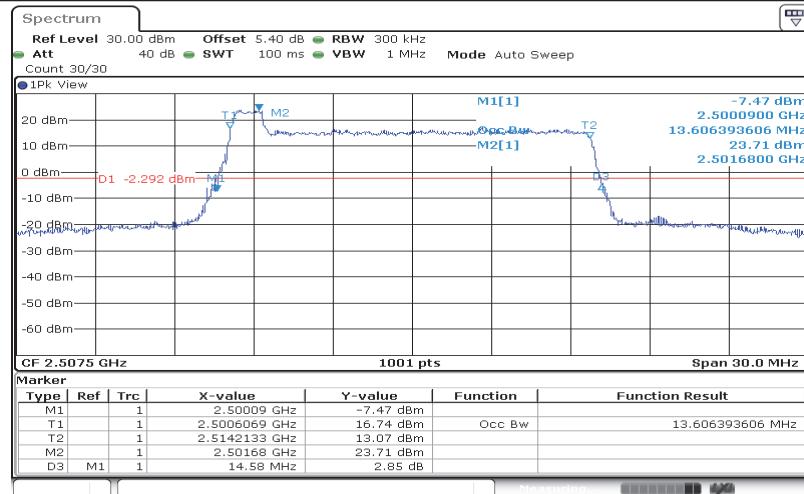
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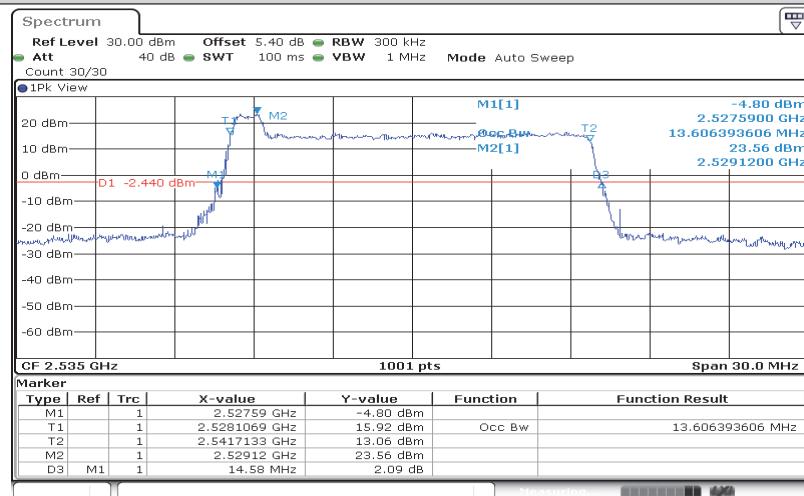
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Band7-15MHz-QPSK-20825-75RB#0-13.606



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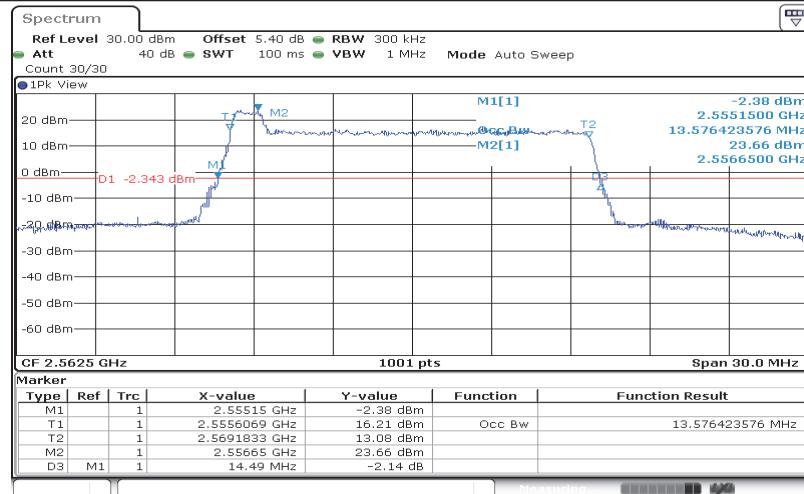


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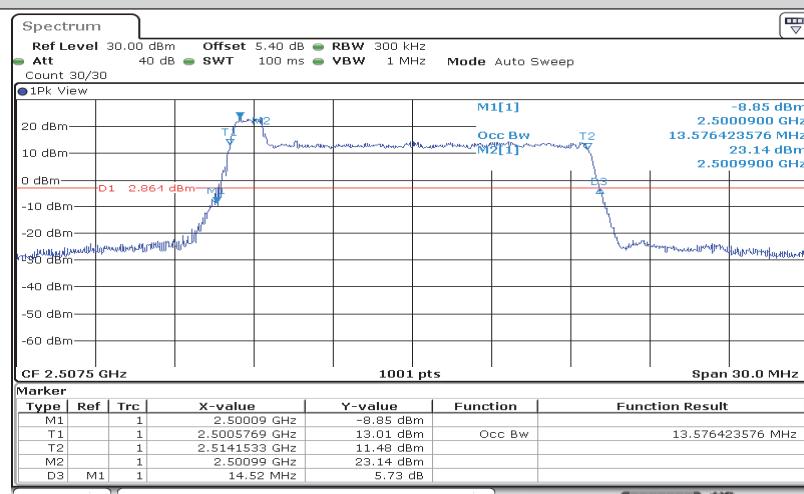
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Band7-15MHz-QPSK-21375-75RB#0-13.576



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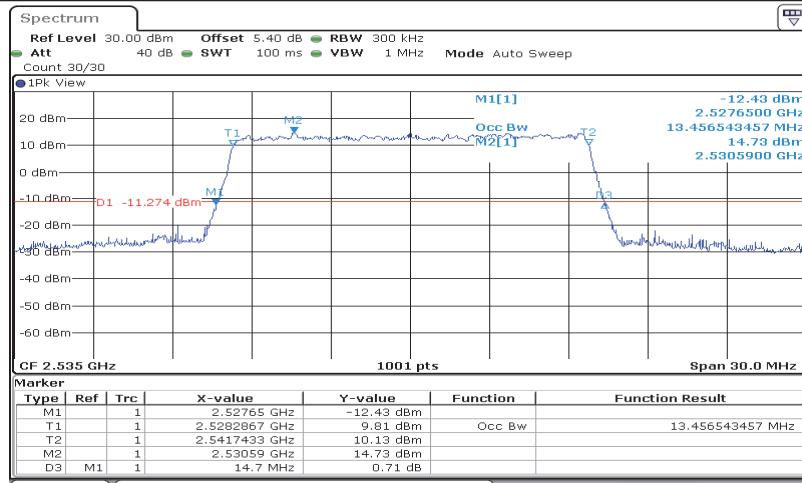


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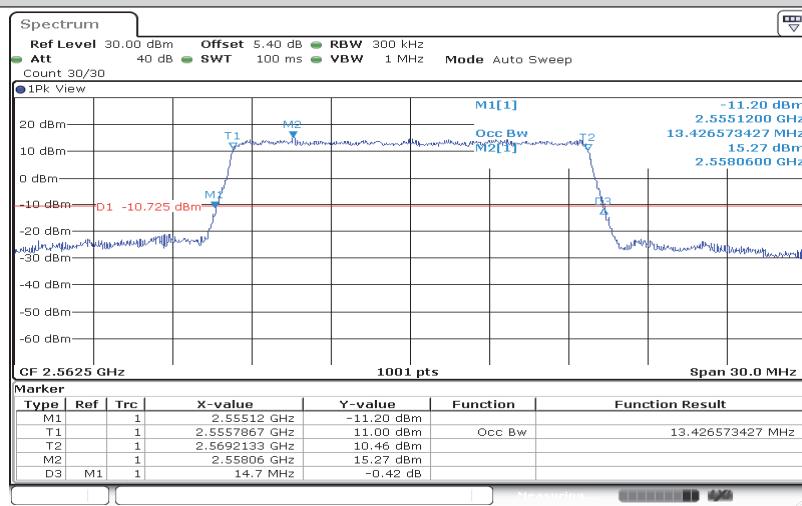


Band7-15MHz-64QAM-21100-75RB#0-13.457



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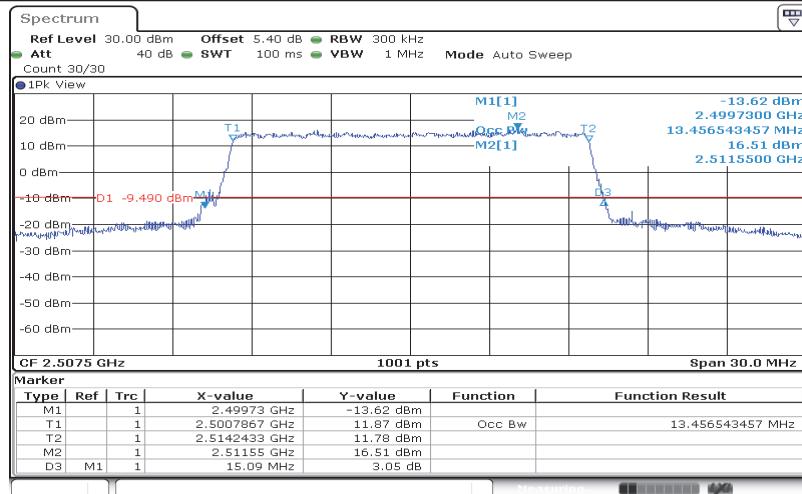
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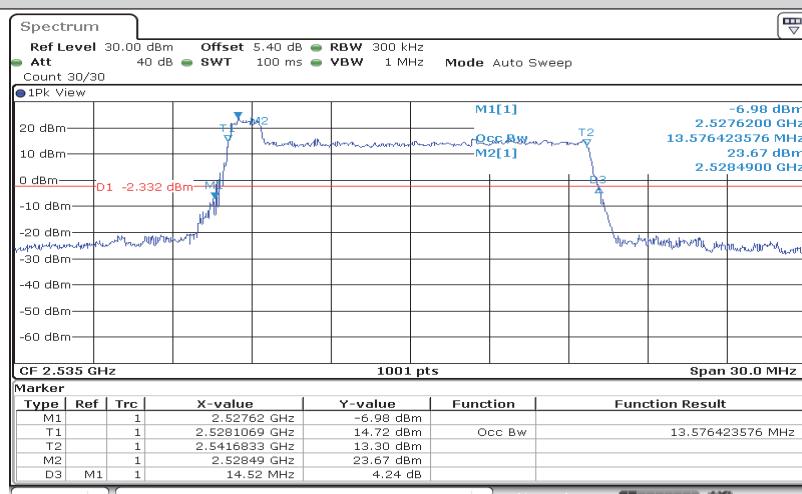
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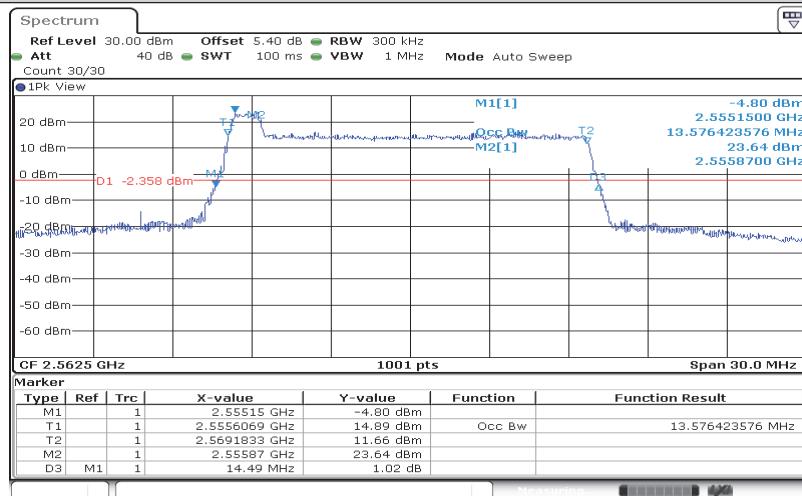
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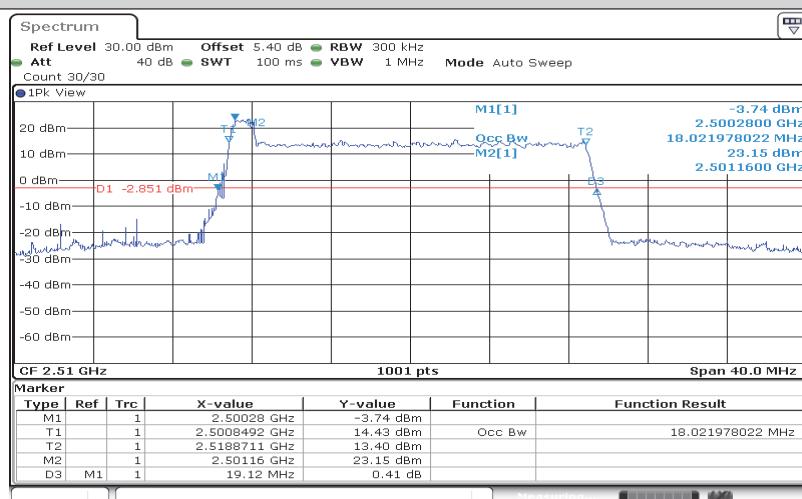
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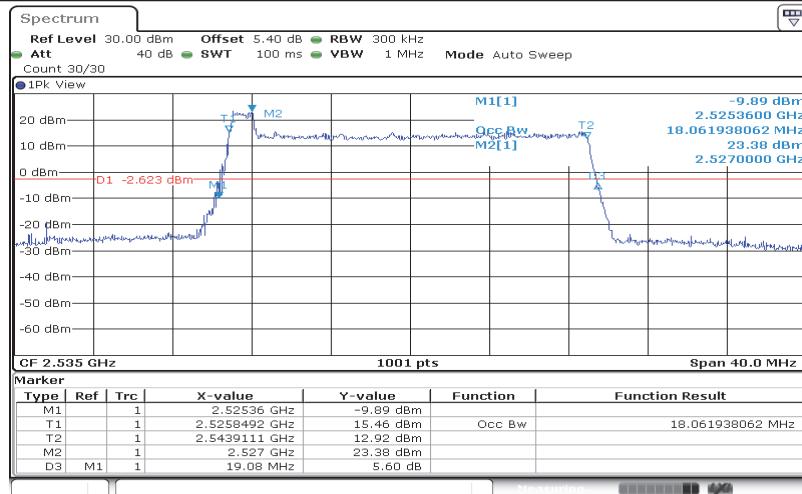


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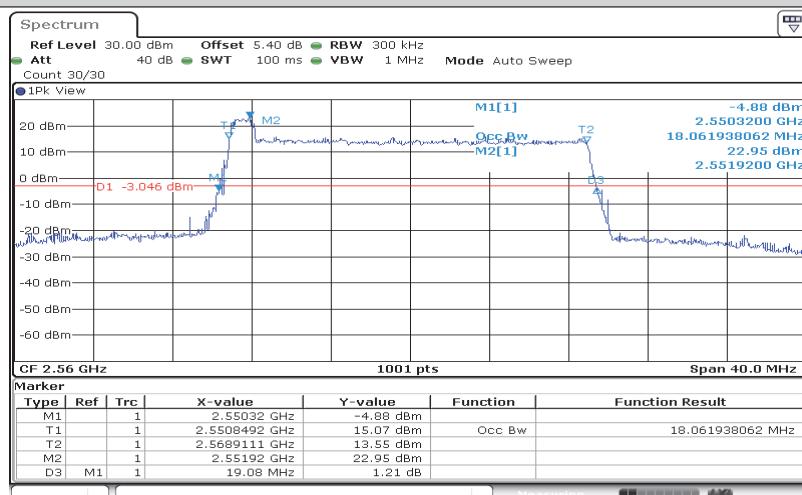
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Band7-20MHz-QPSK-21100-100RB#0-18.062



Band7-20MHz-QPSK-21350-100RB#0-18.062



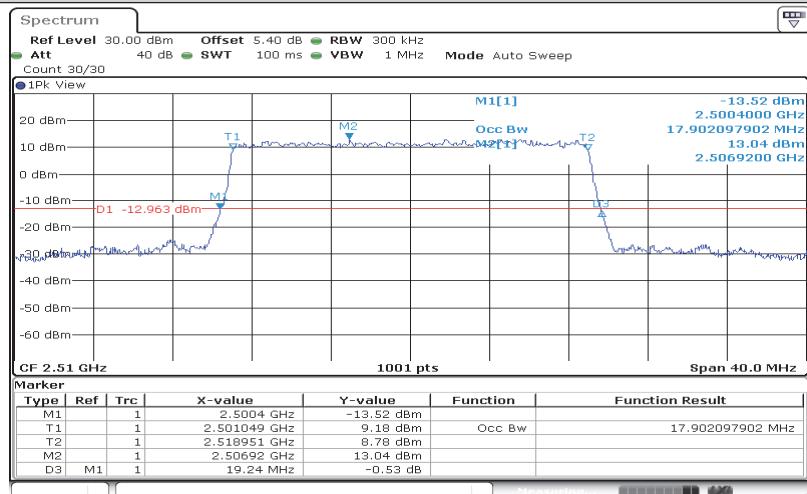
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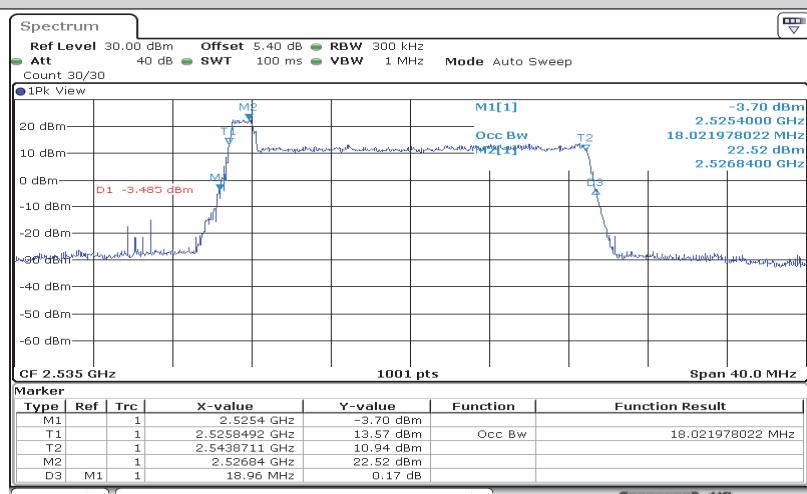


Band7-20MHz-64QAM-20850-100RB#0-17.902



Date: 6.MAY.2020 08:33:31

Band7-20MHz-64QAM-21100-100RB#0-18.022



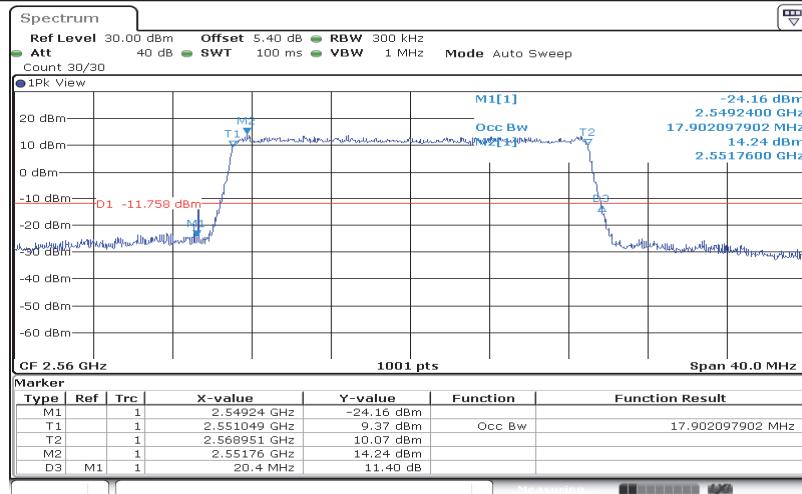
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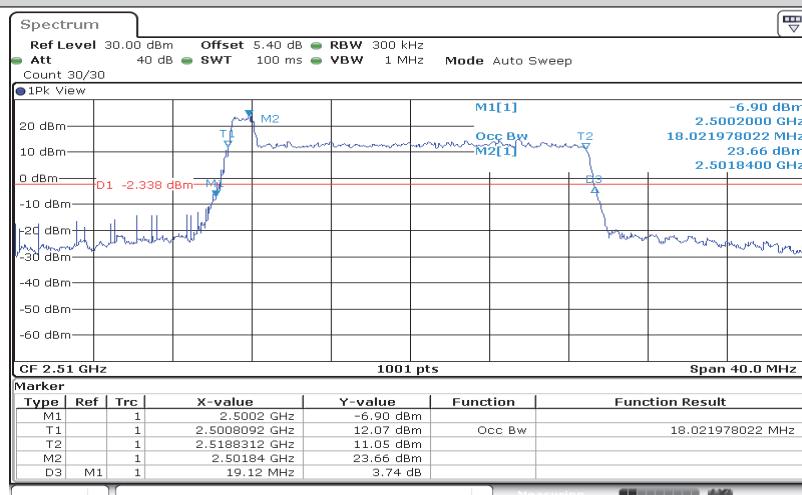


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Band7-20MHz-16QAM-20850-100RB#0-18.022



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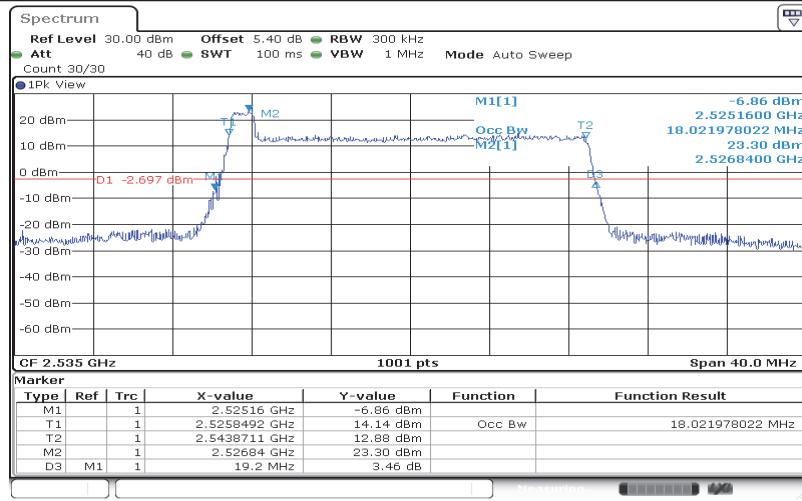
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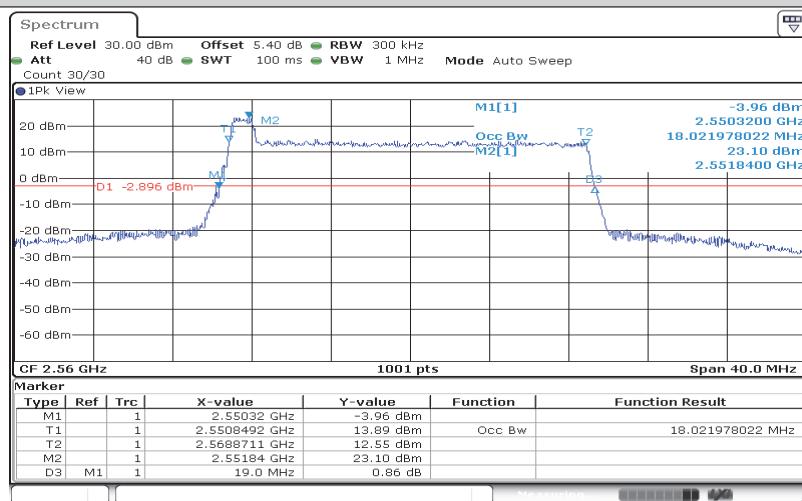
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5. Band Edge Compliance

5.1. Test Plots

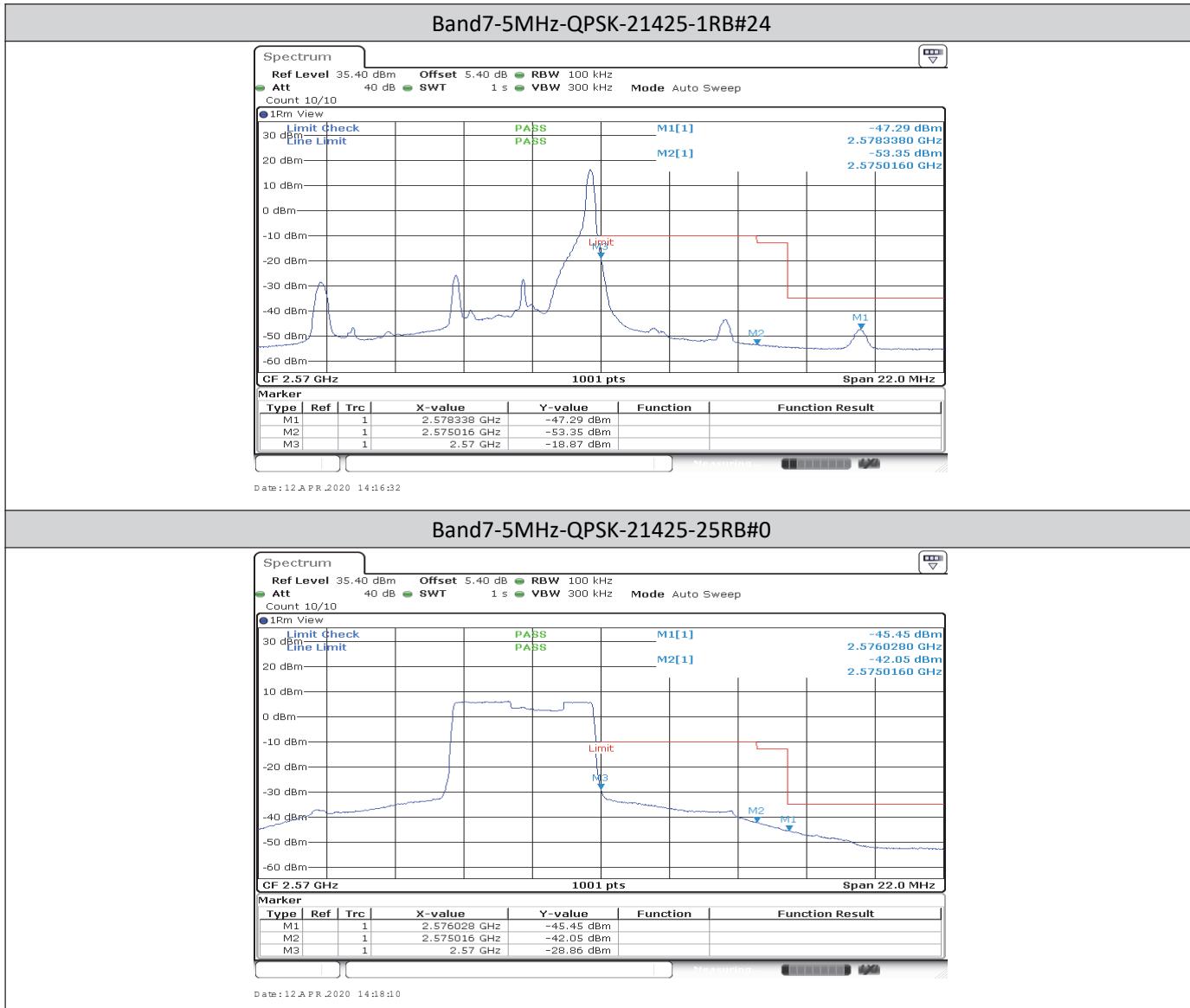


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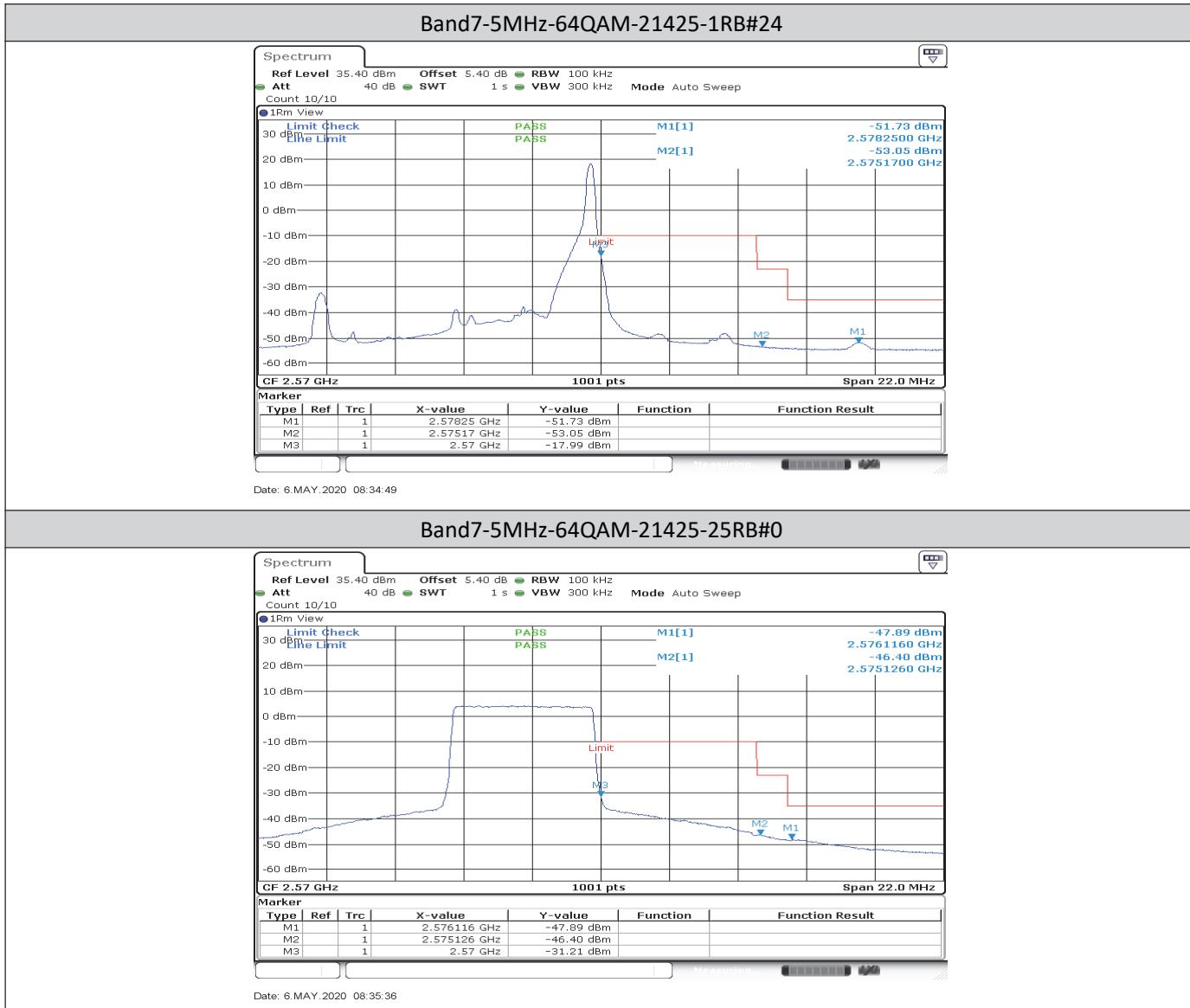




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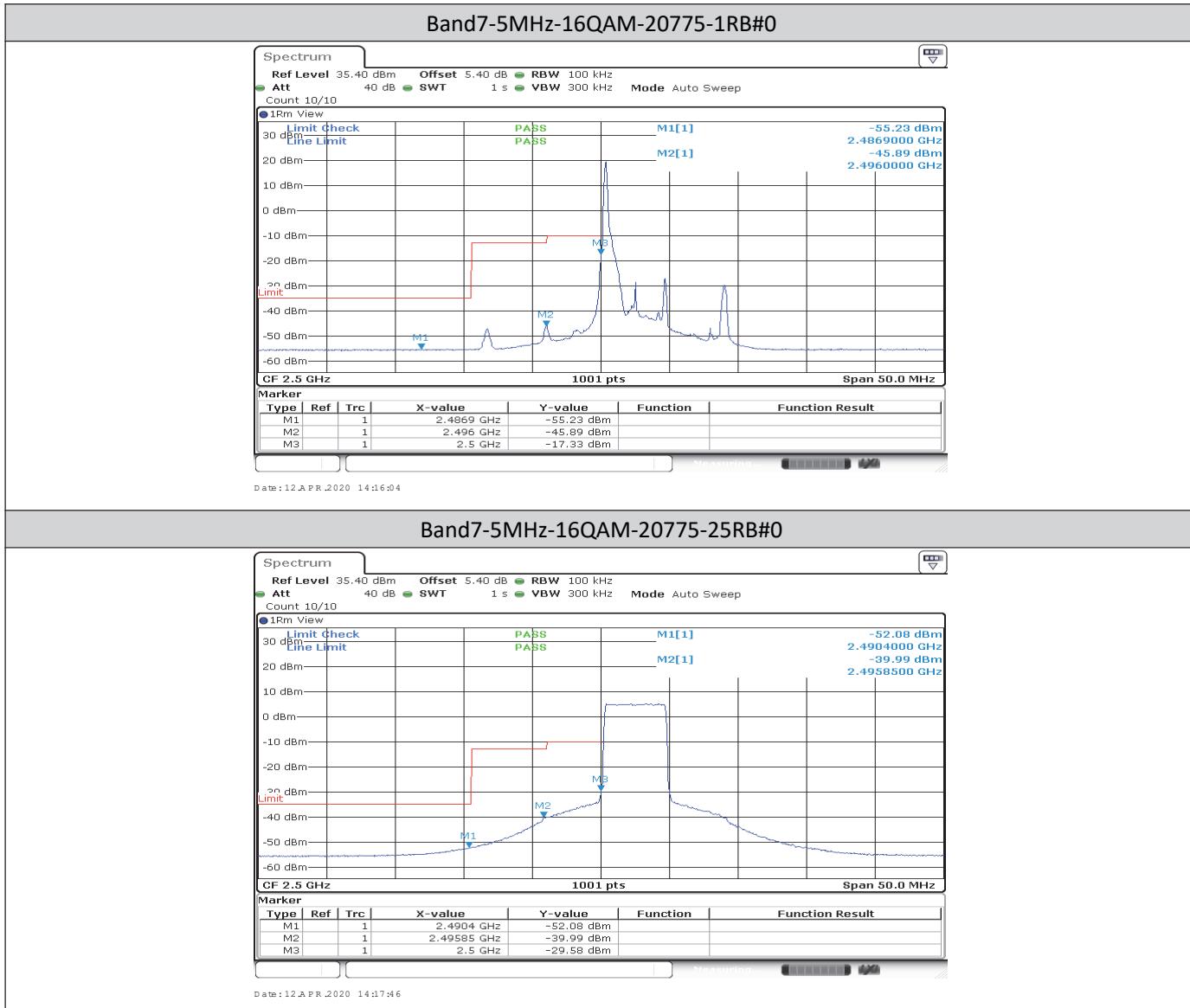
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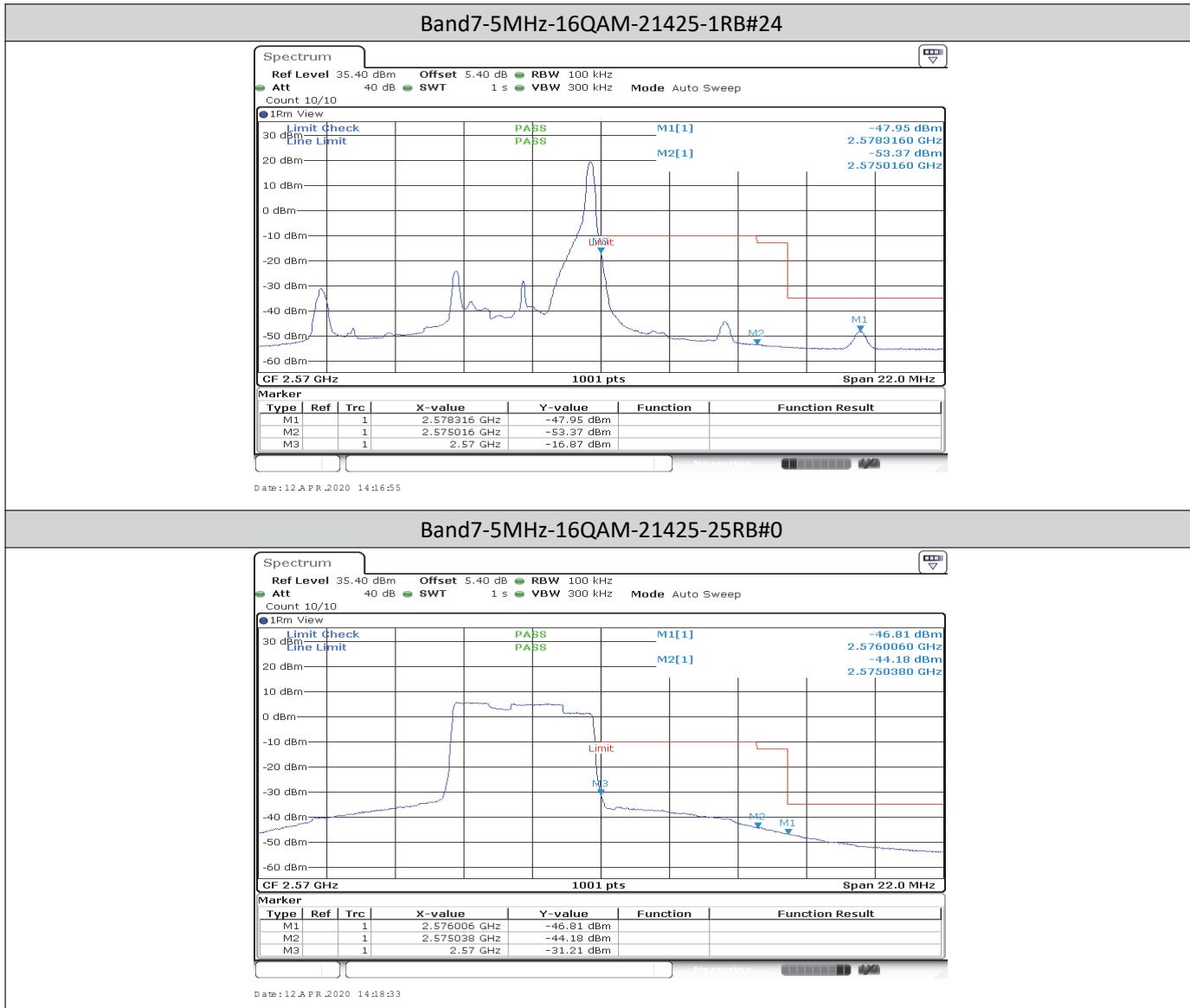
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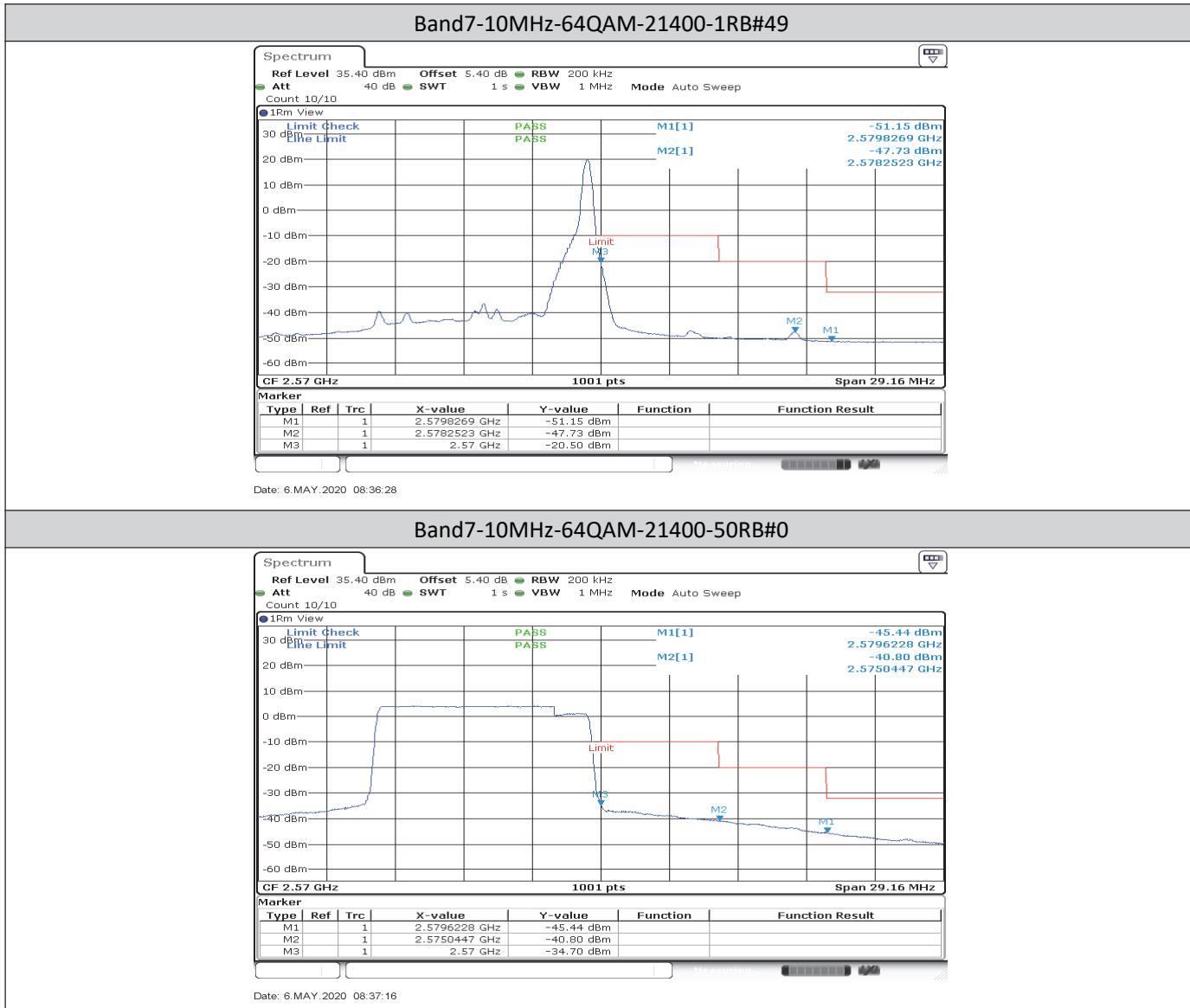
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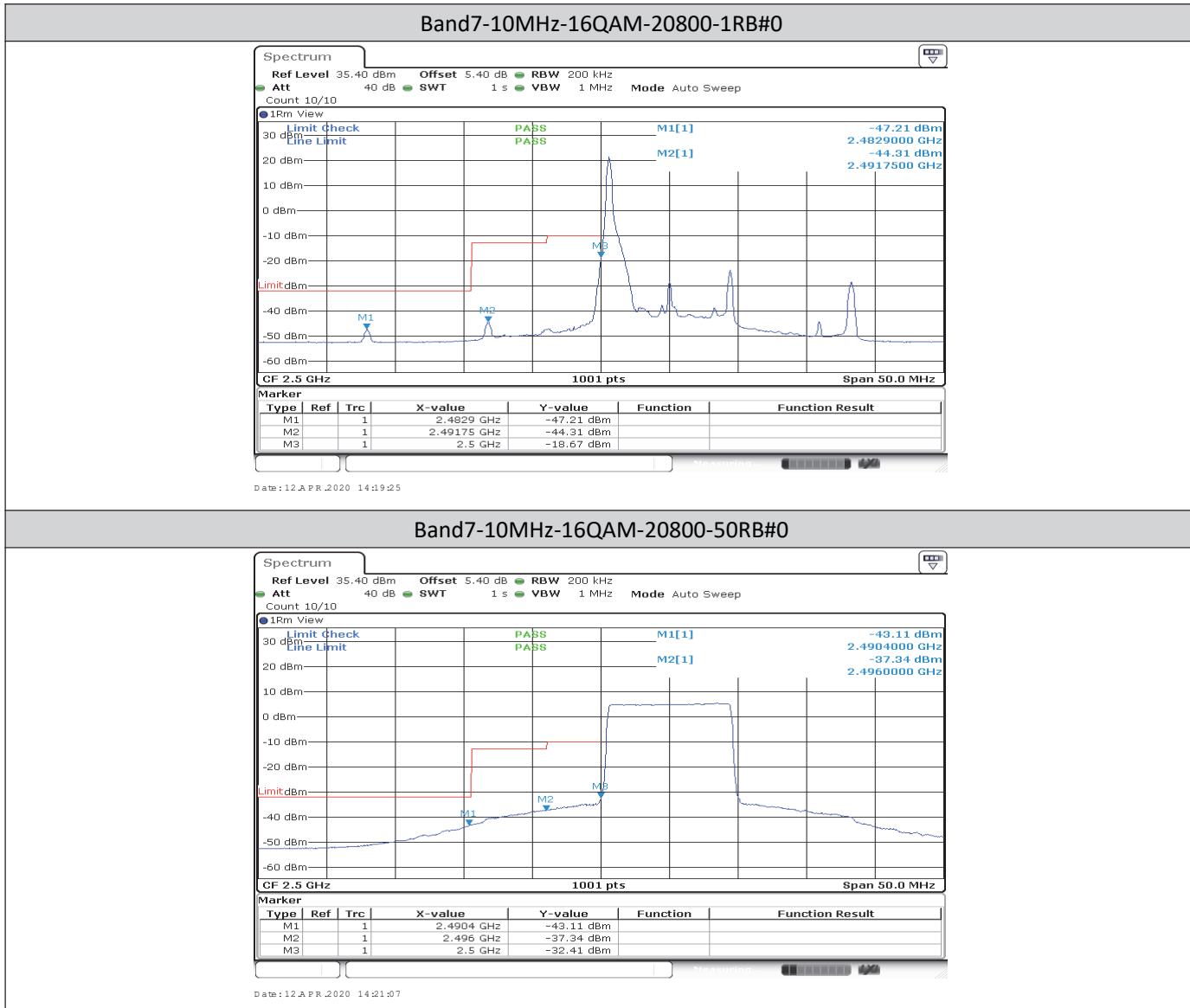
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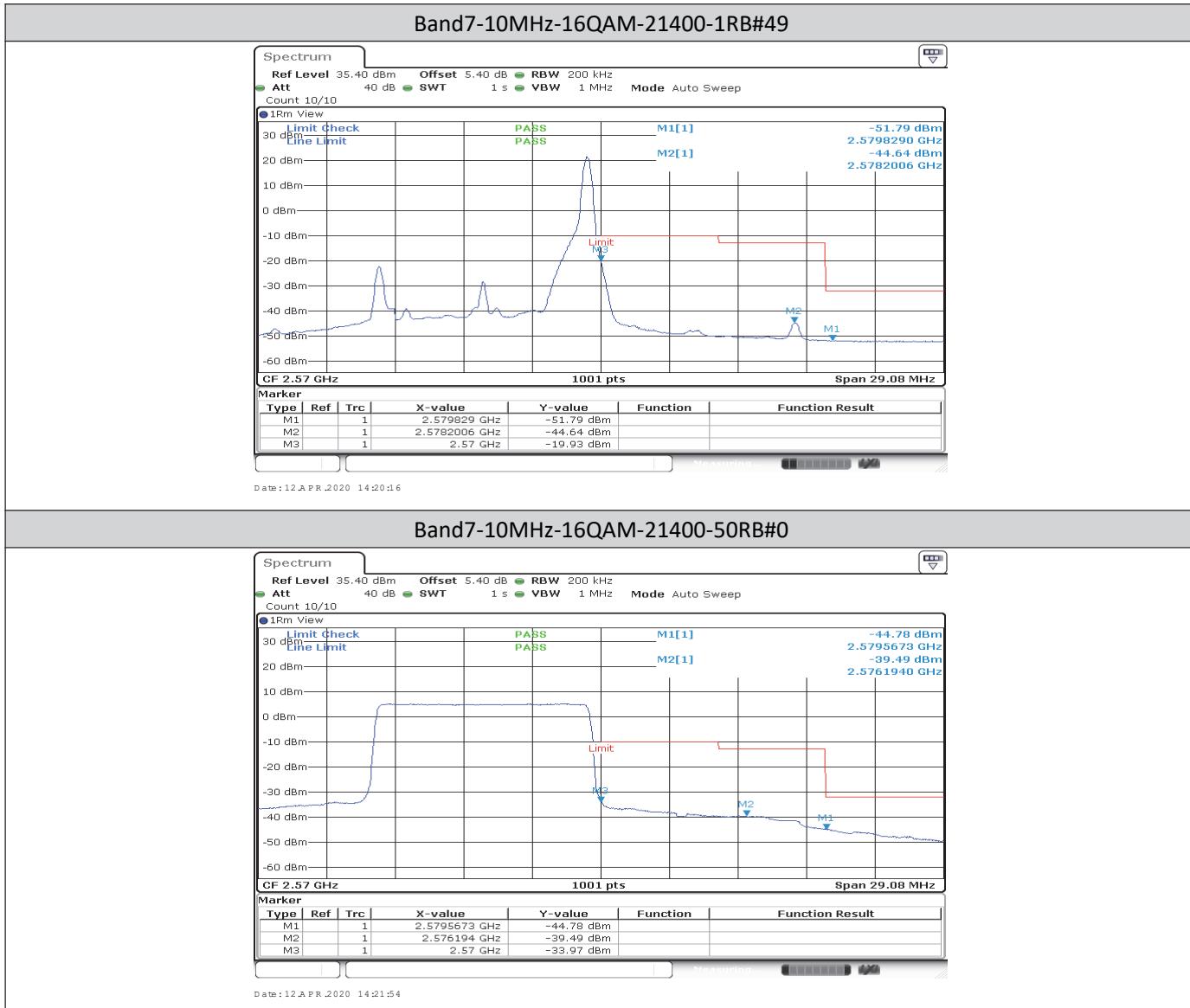
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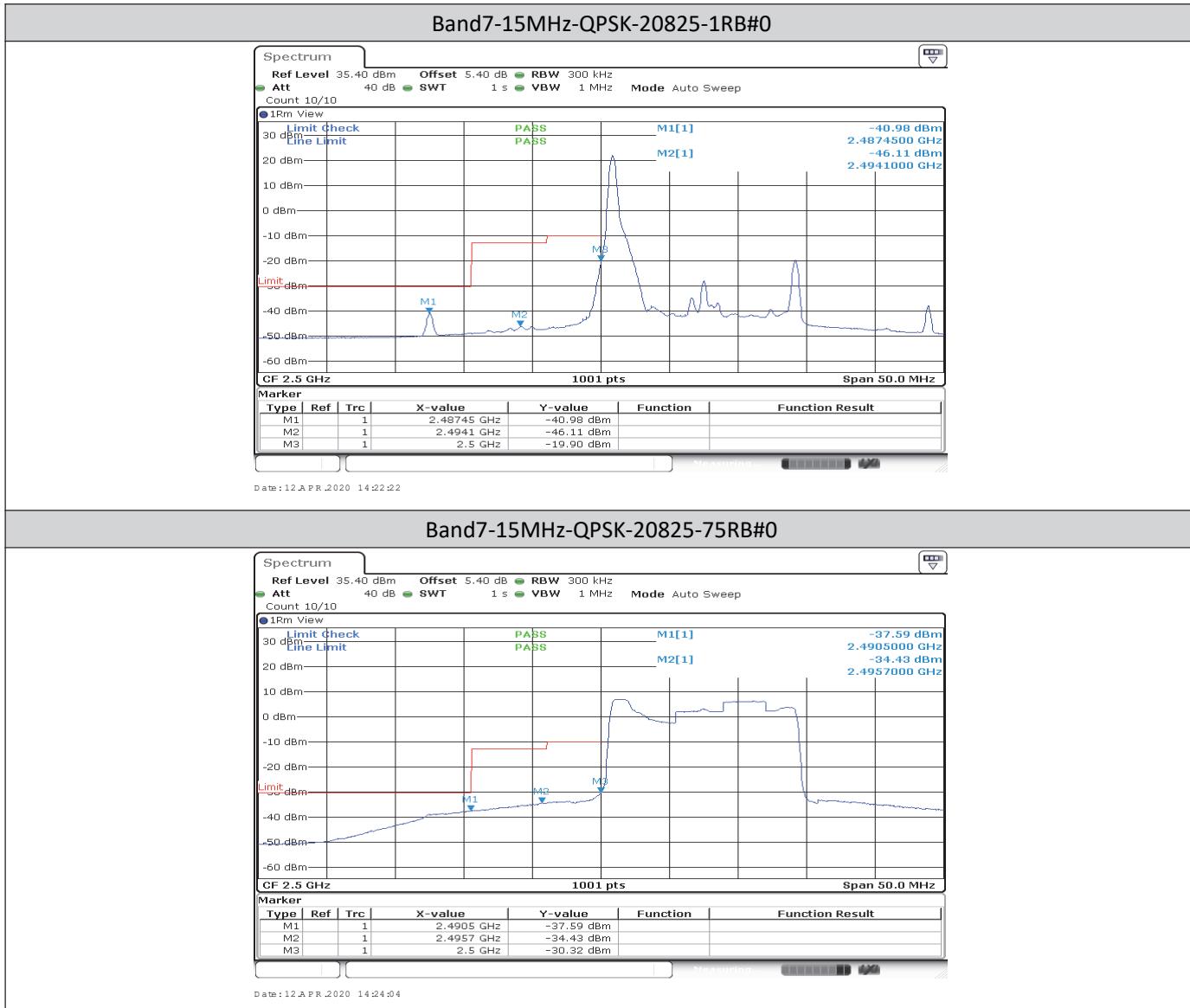




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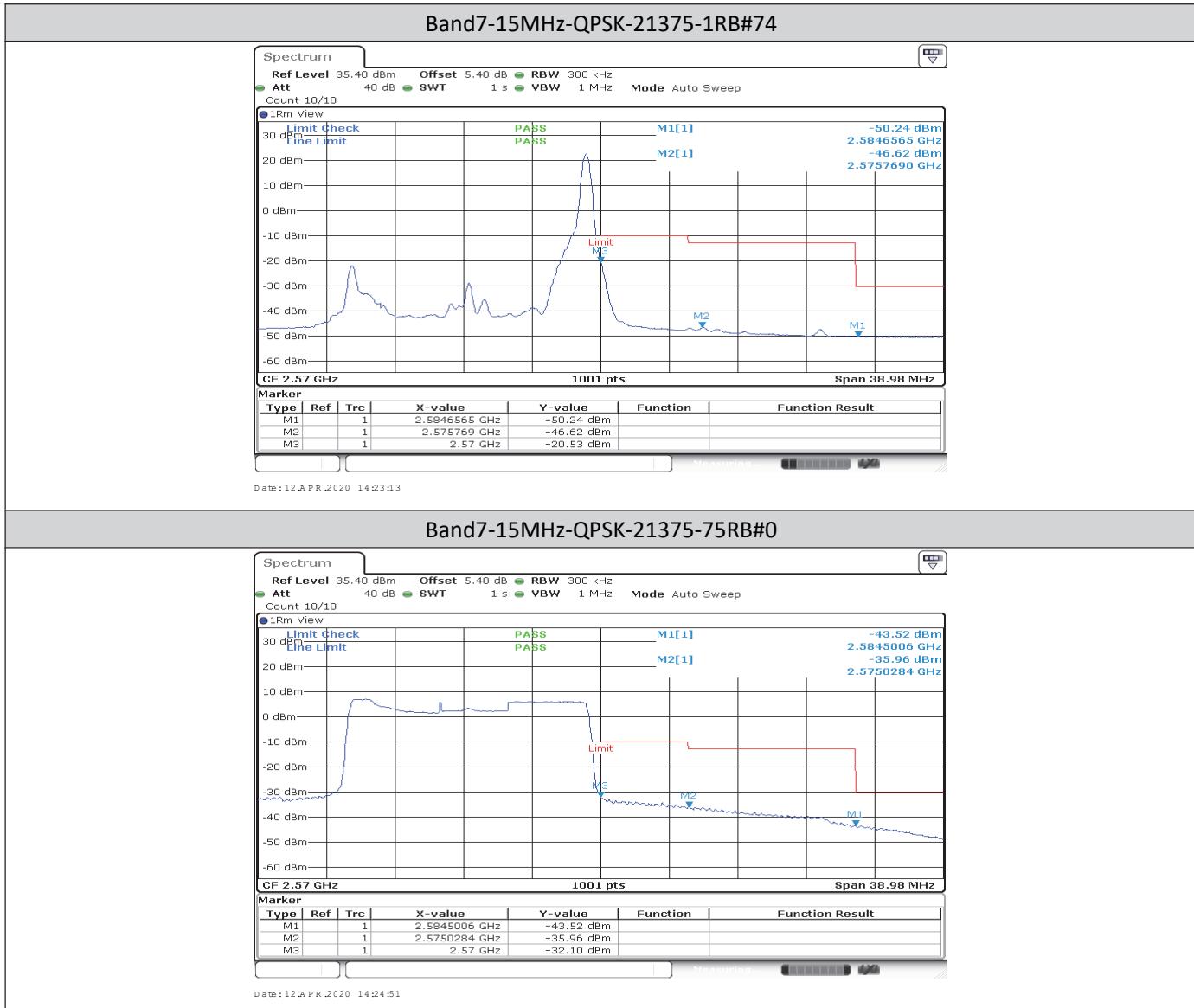




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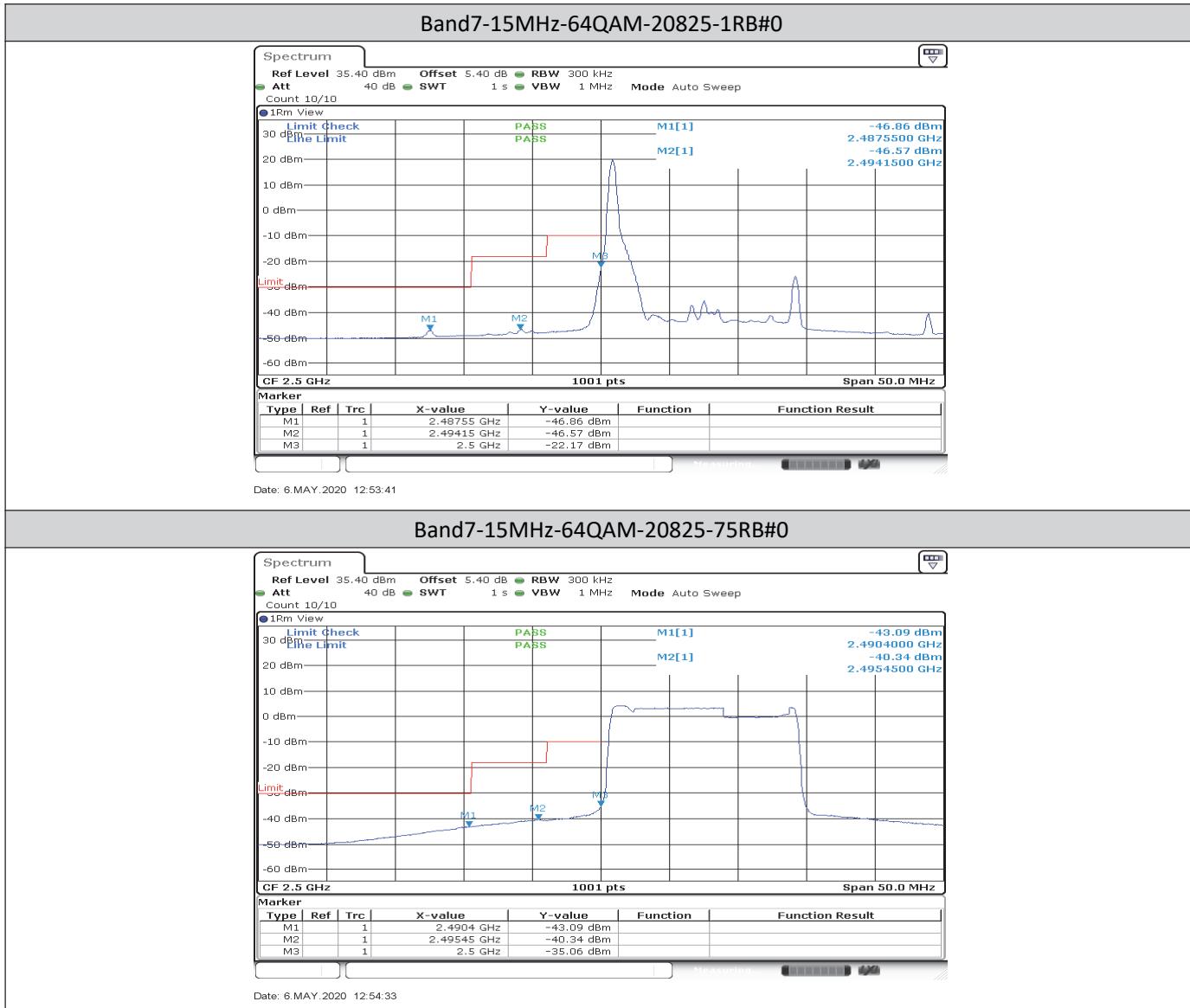
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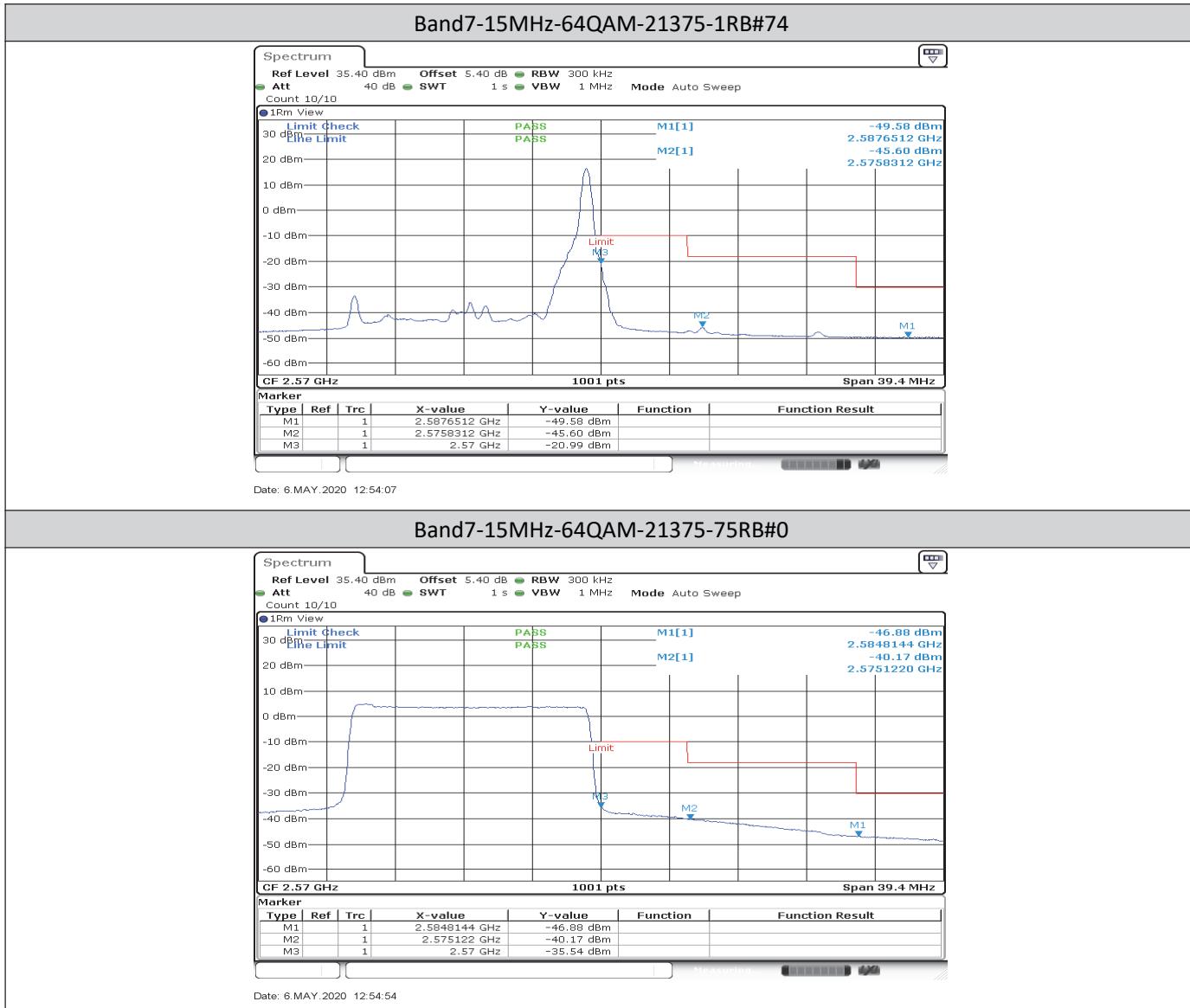
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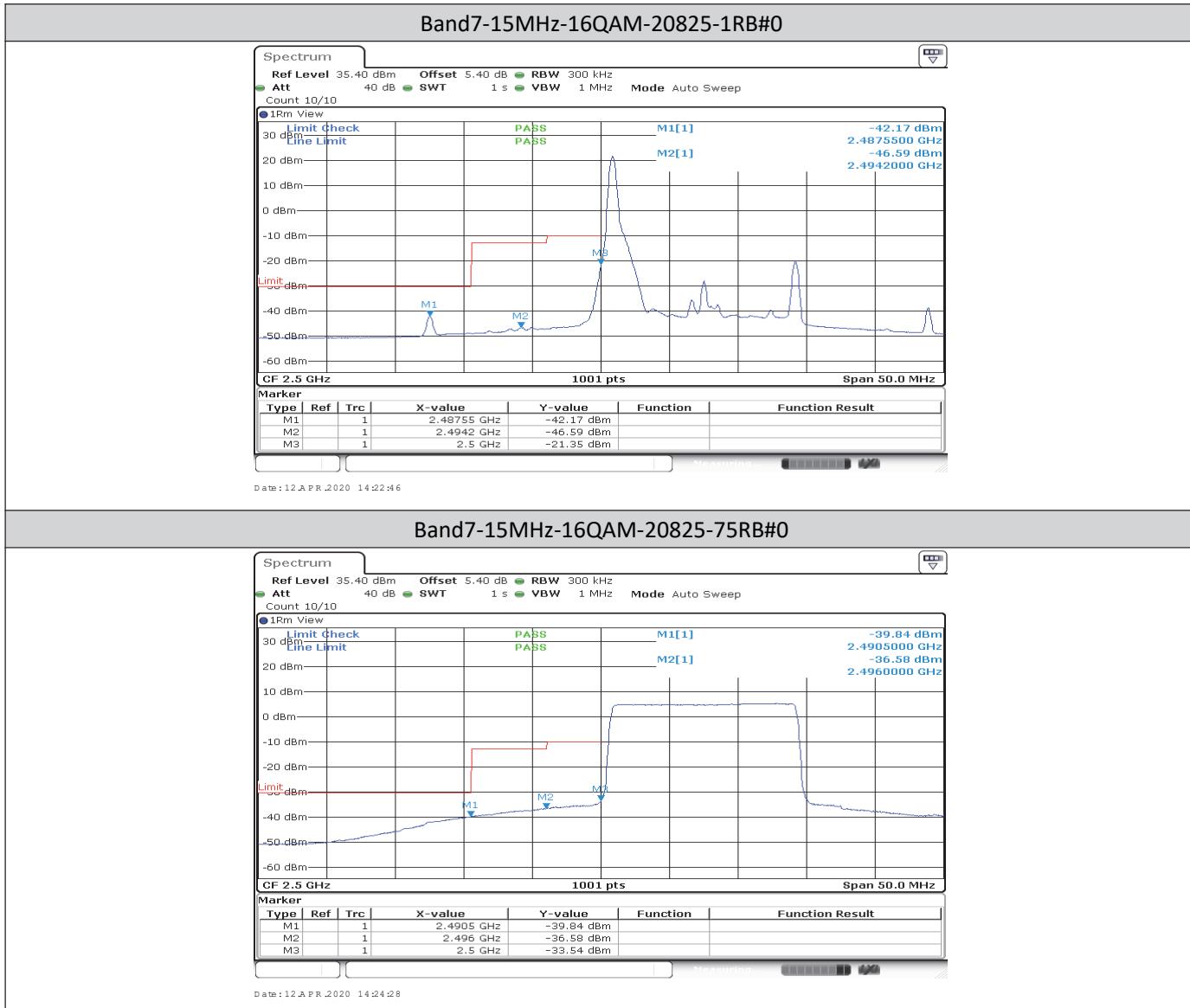




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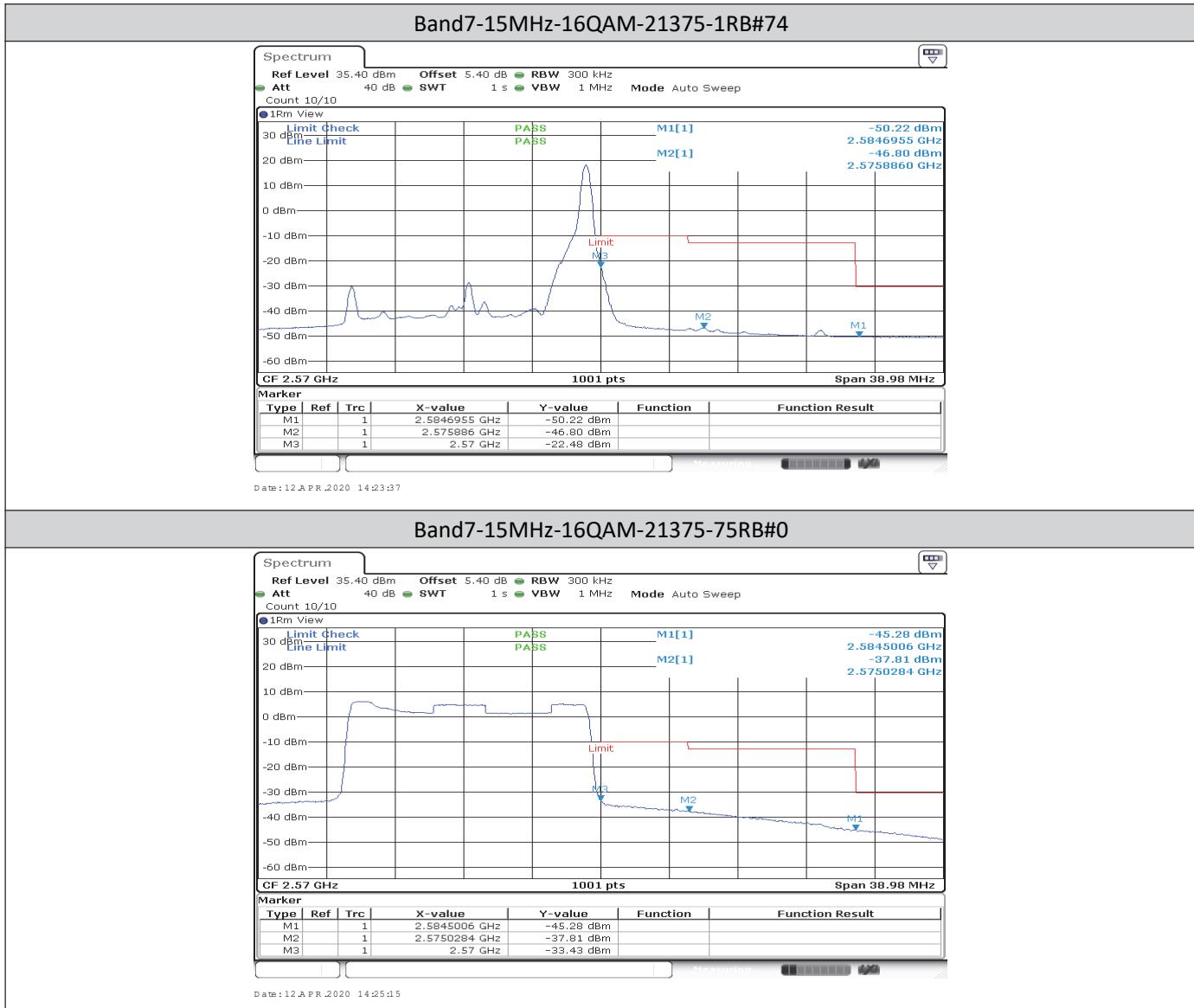
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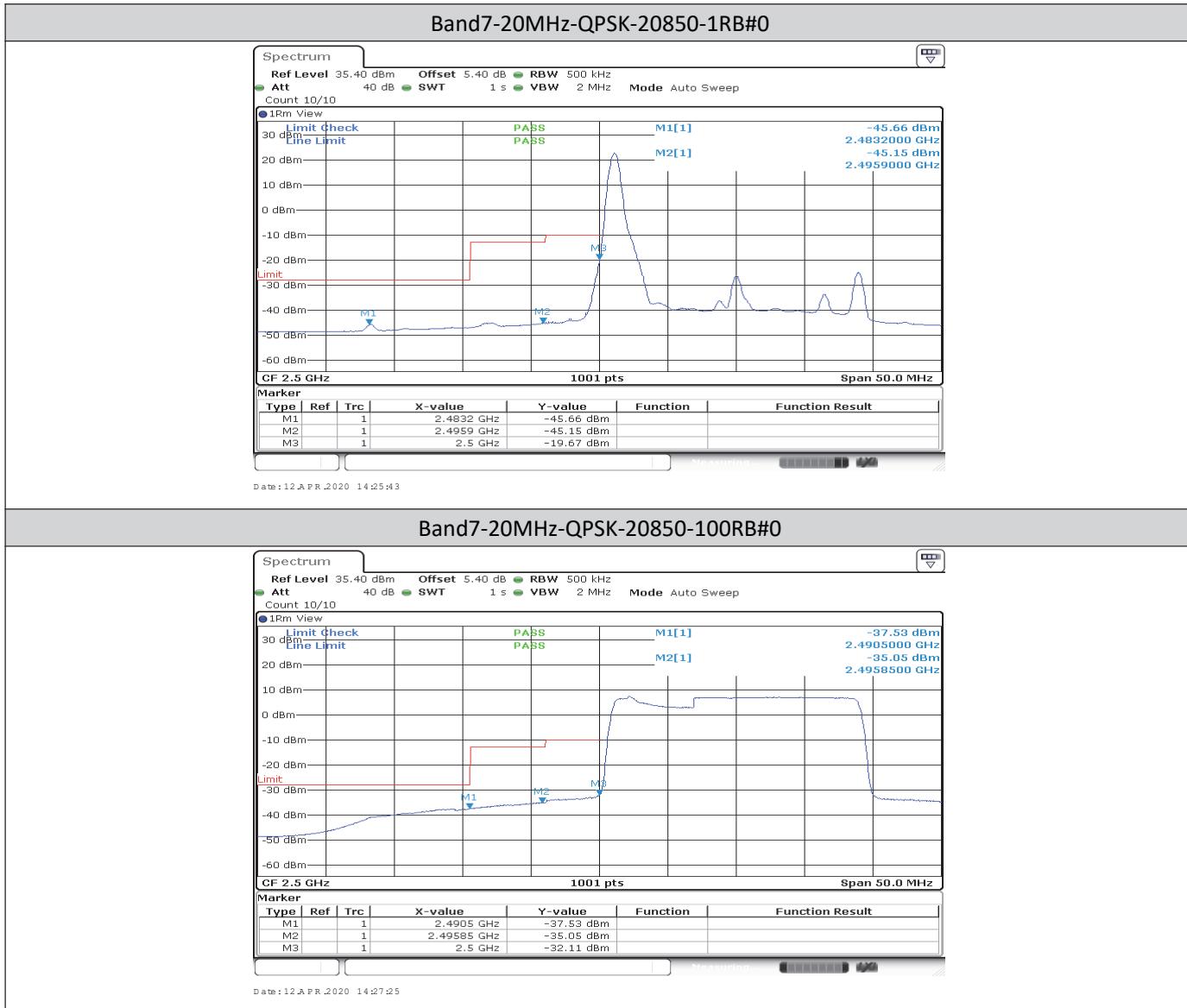


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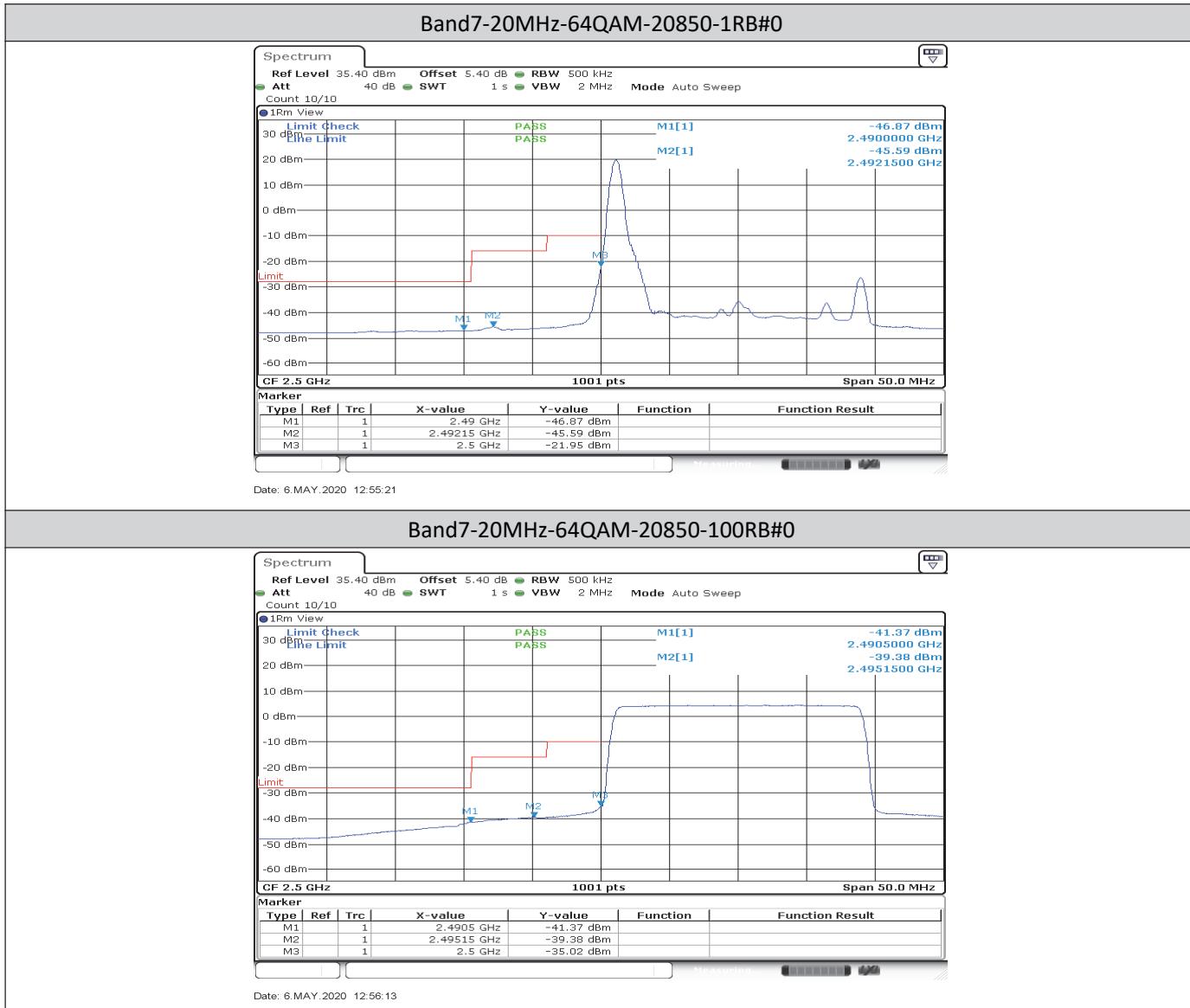


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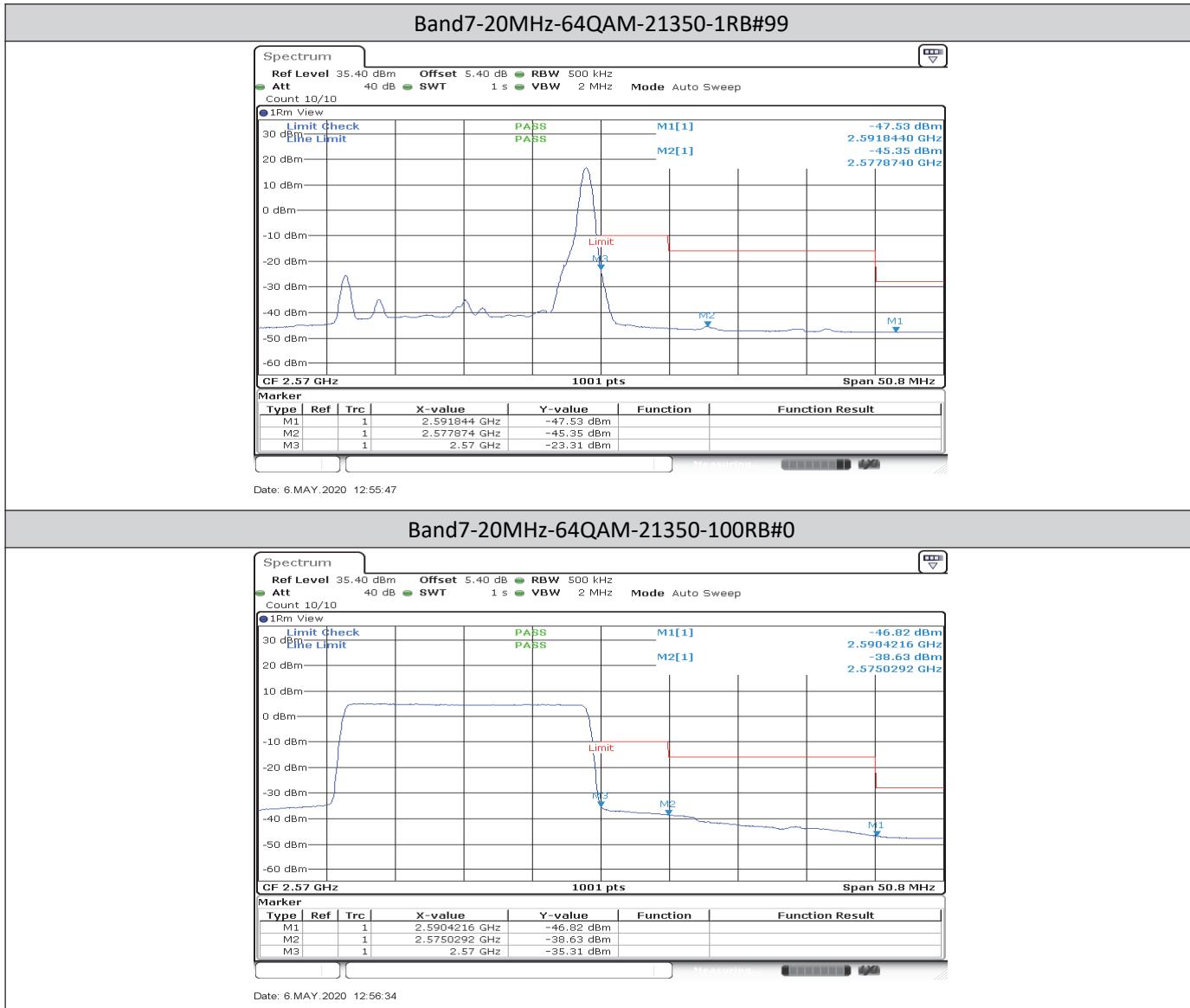
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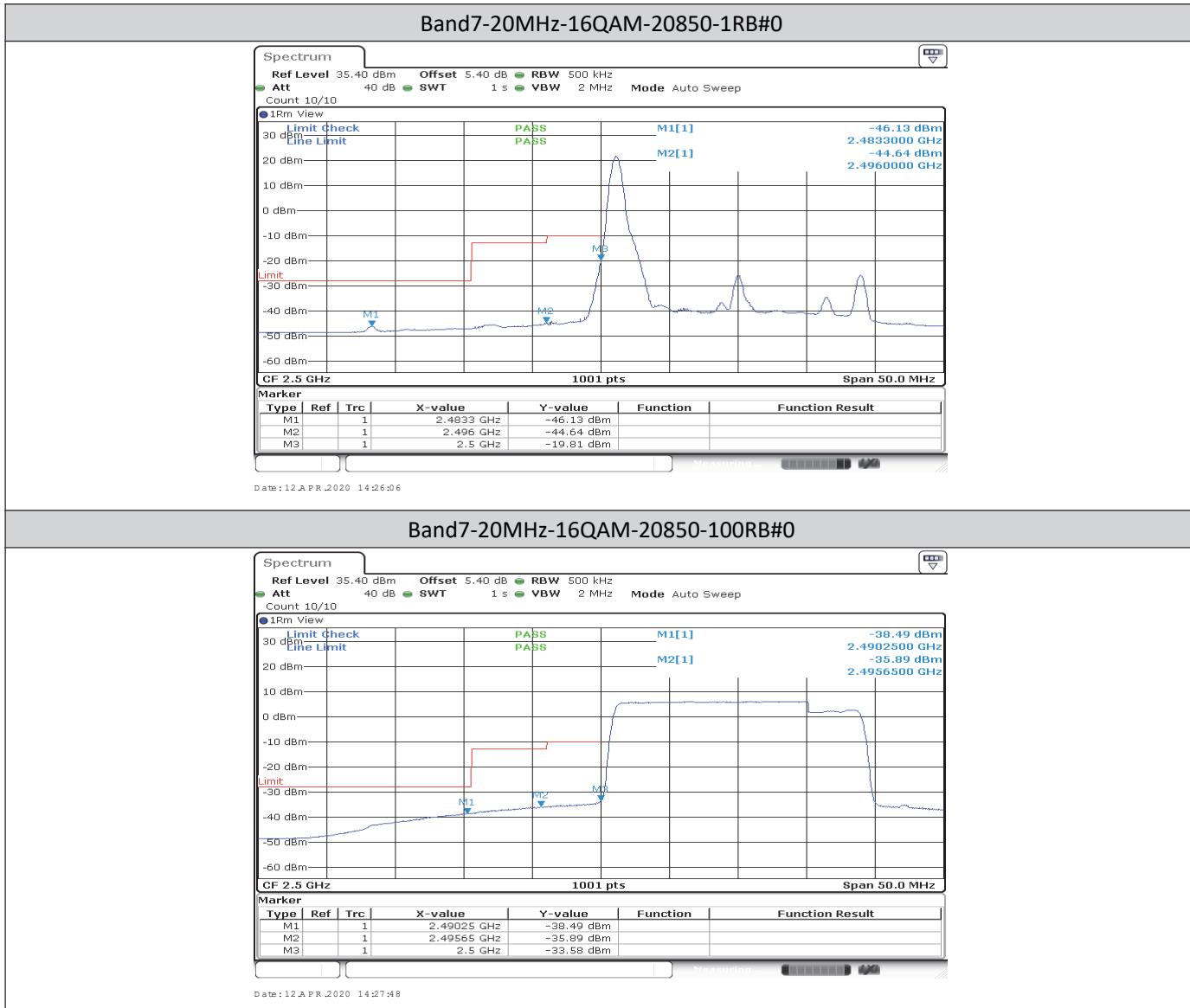




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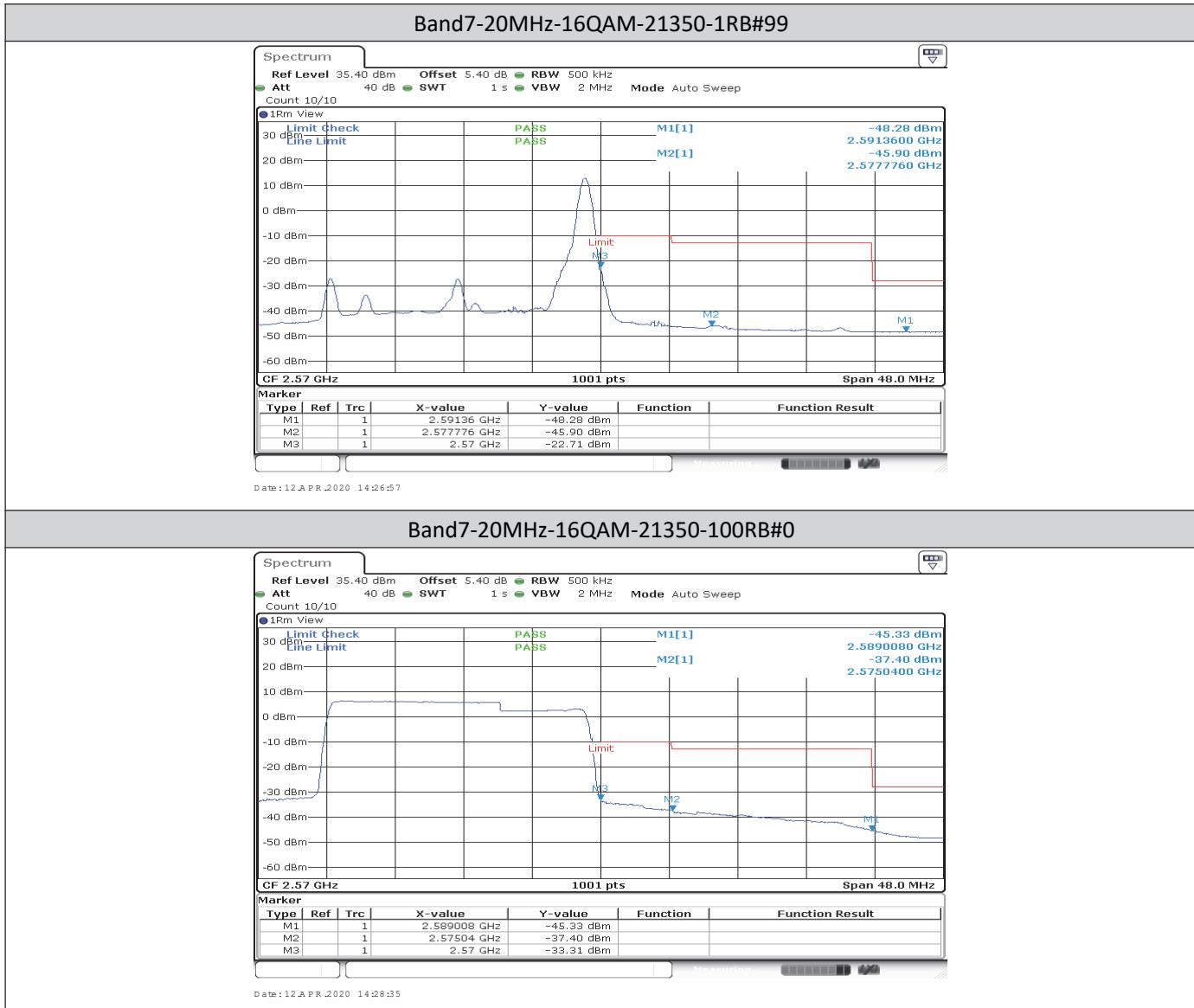




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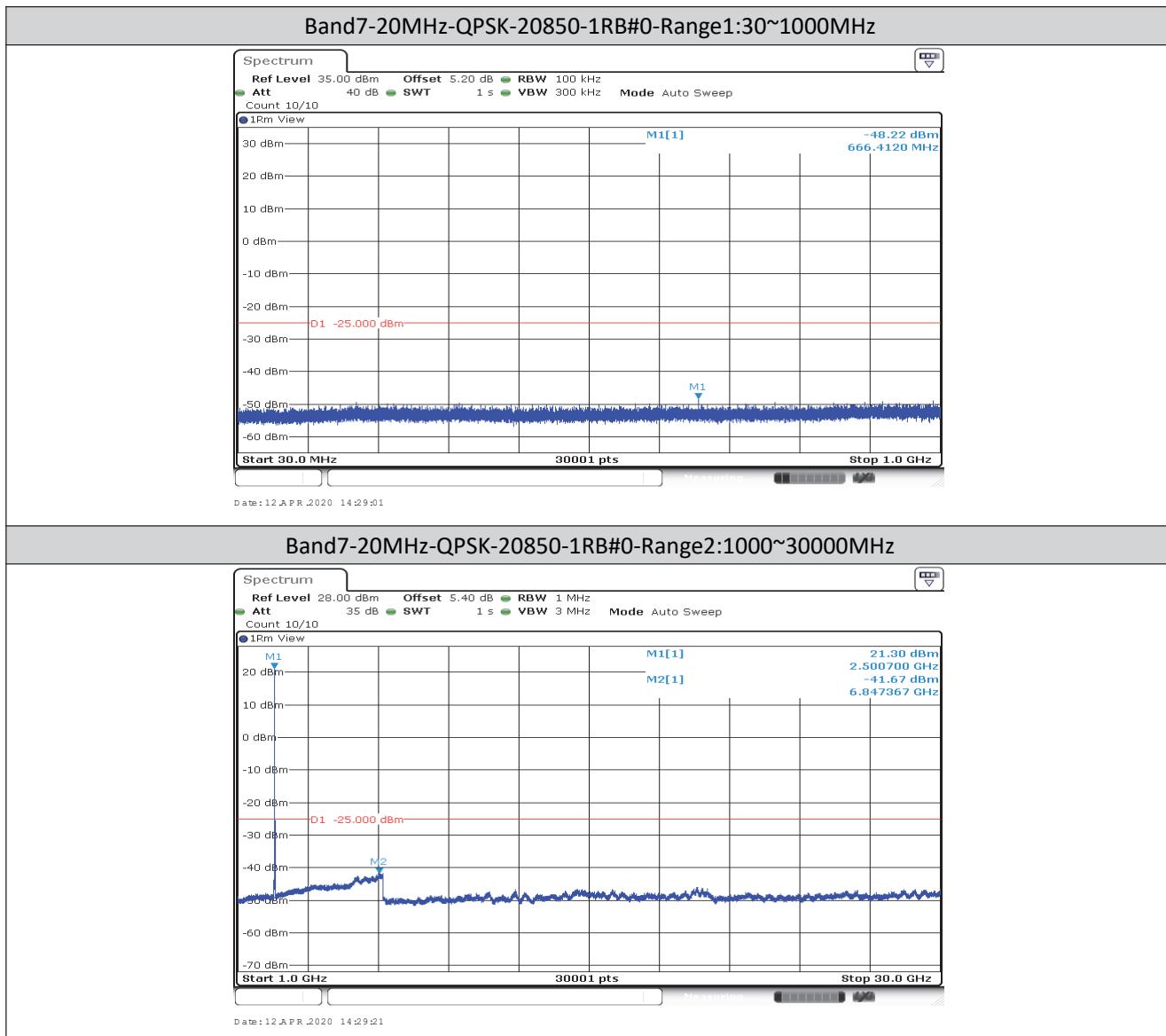


6. Spurious Emission at Antenna Terminal

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 $< \text{RBW}/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

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

6.1. Test Plots

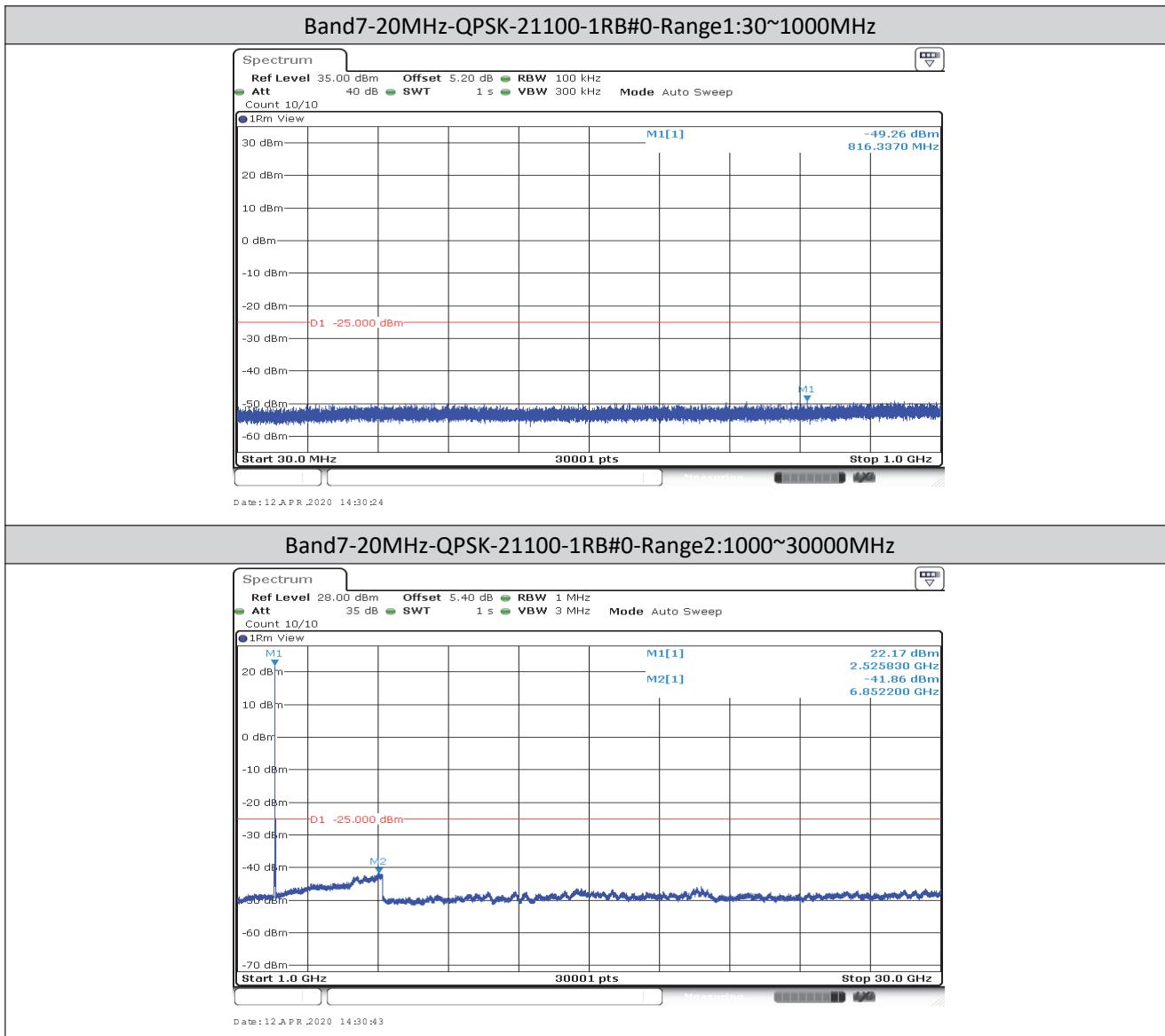


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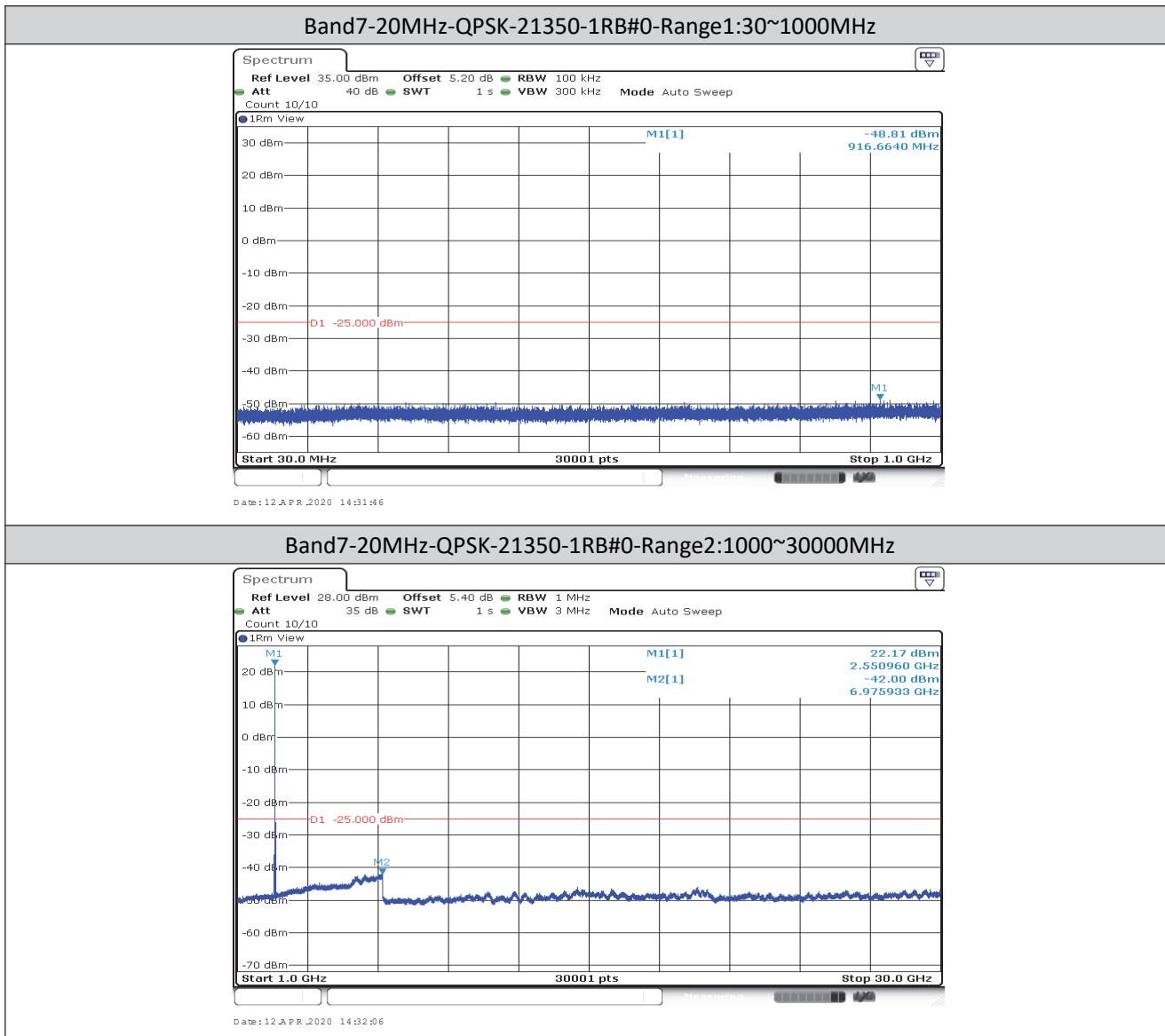
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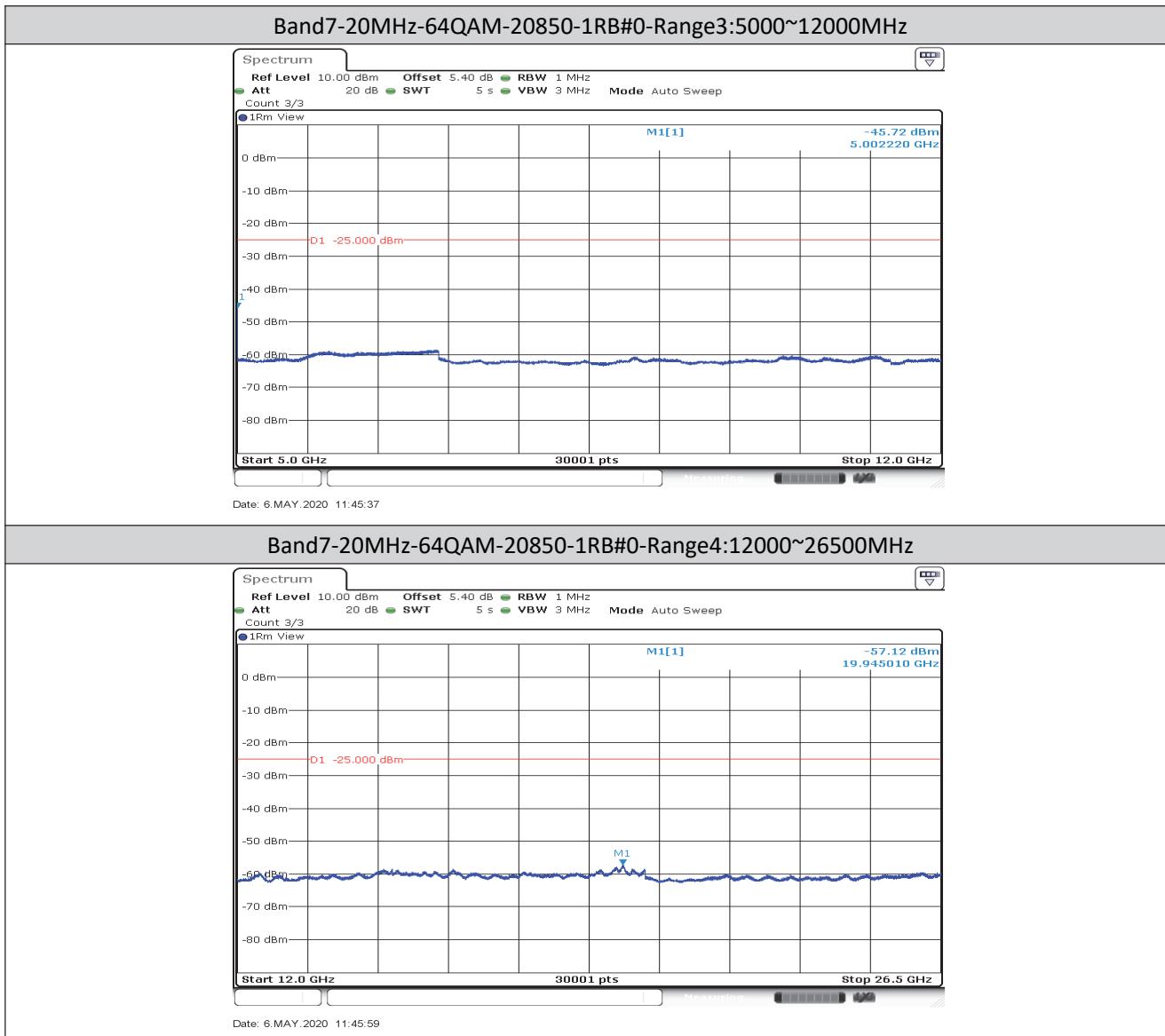


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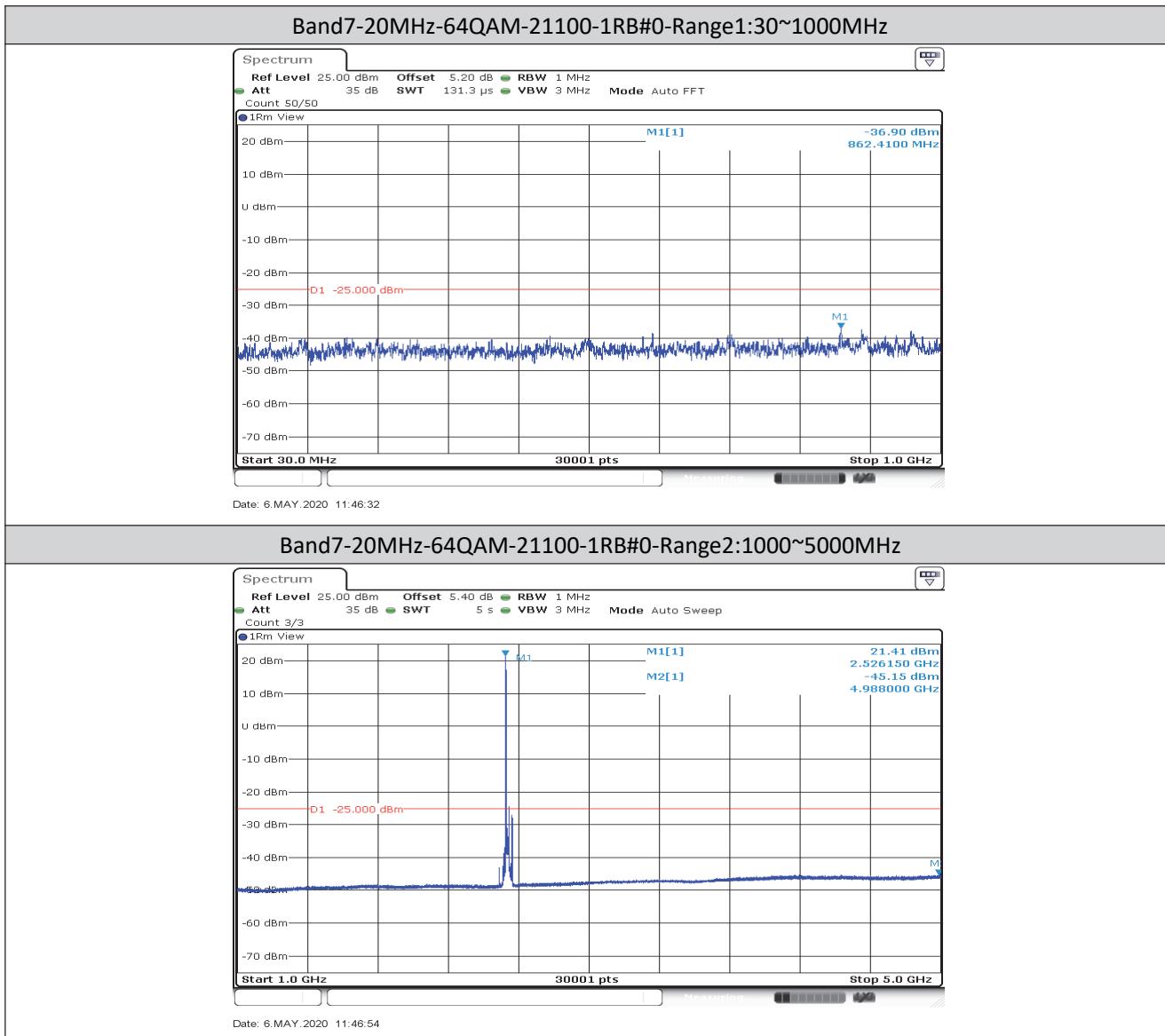
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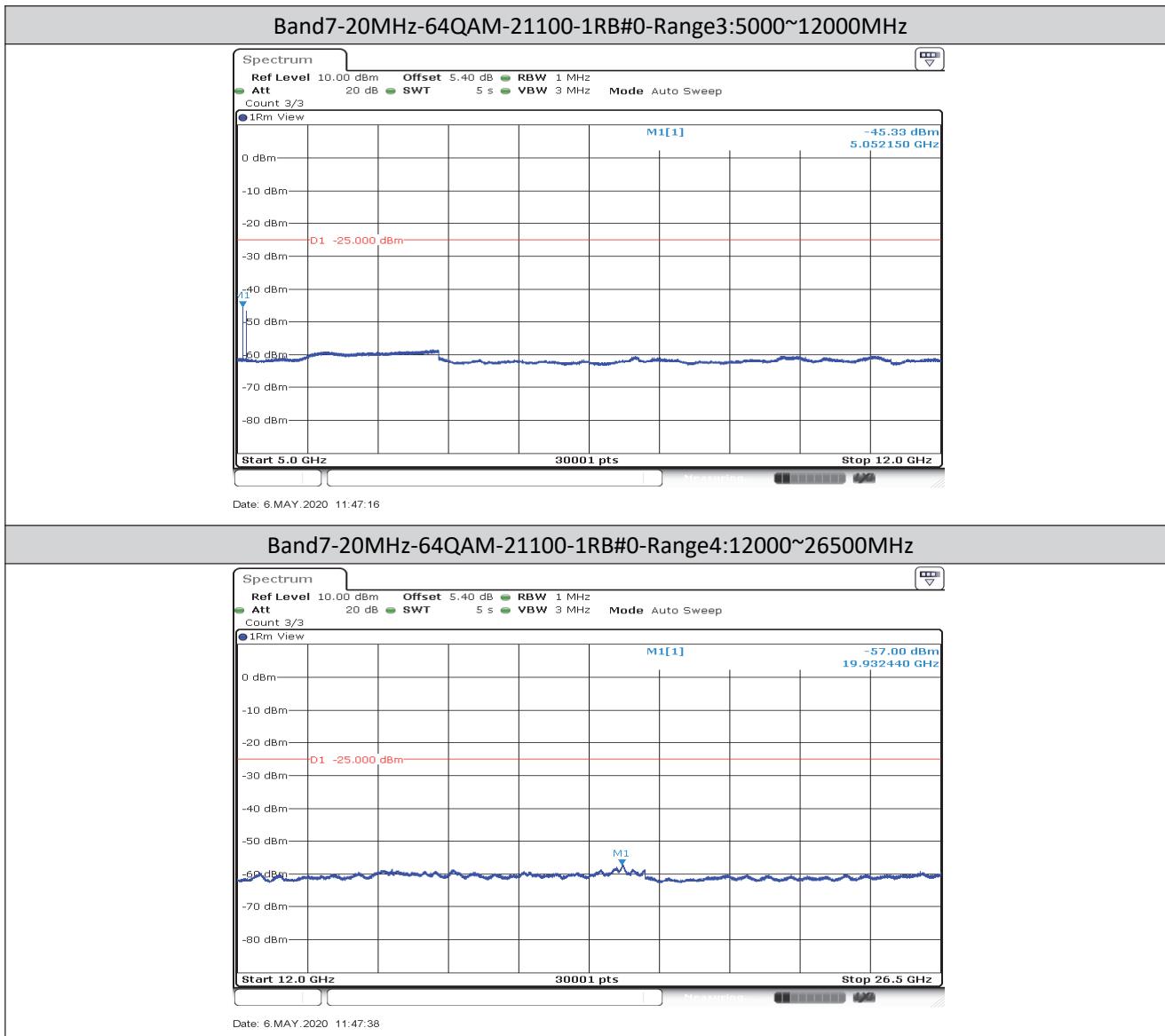




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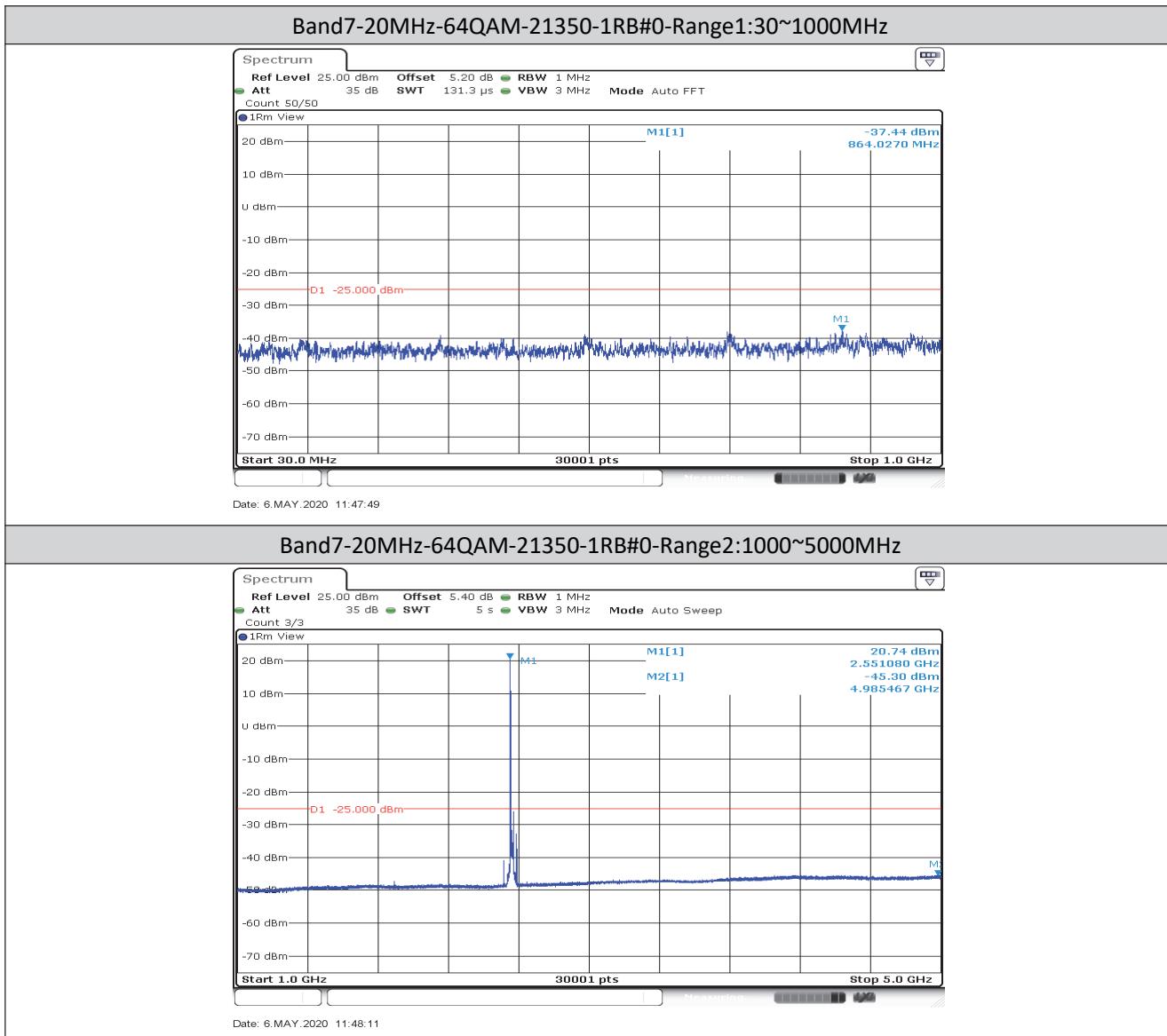


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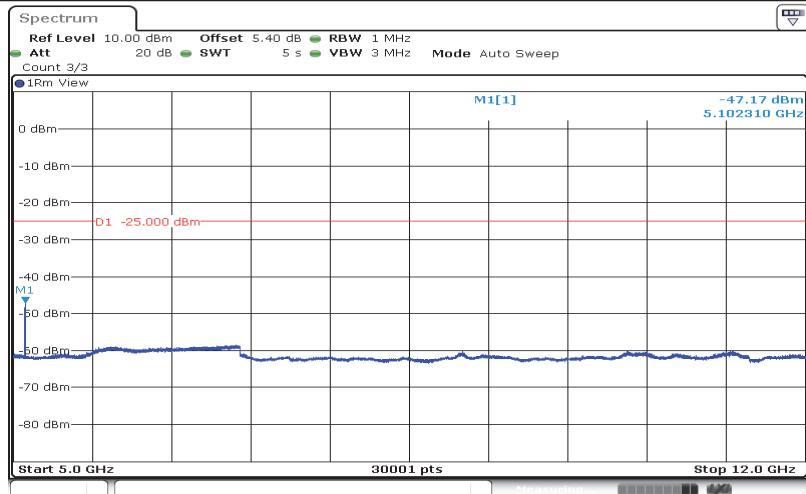
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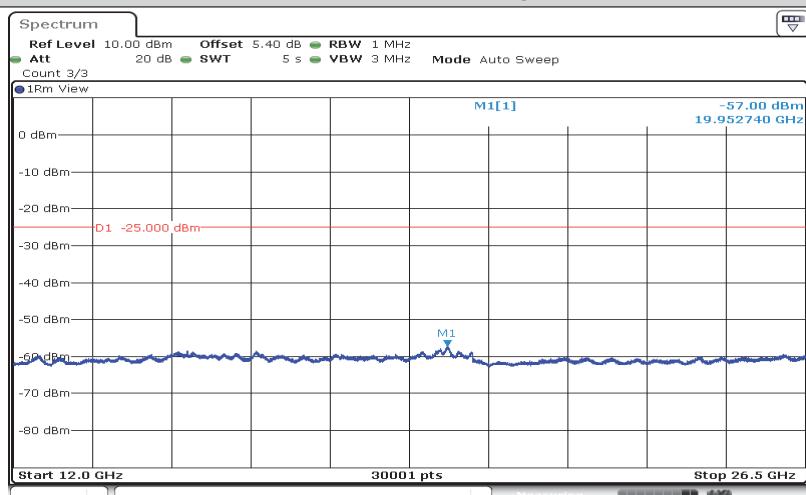


Band7-20MHz-64QAM-21350-1RB#0-Range3:5000~12000MHz



Date: 6.MAY.2020 11:48:33

Band7-20MHz-64QAM-21350-1RB#0-Range4:12000~26500MHz



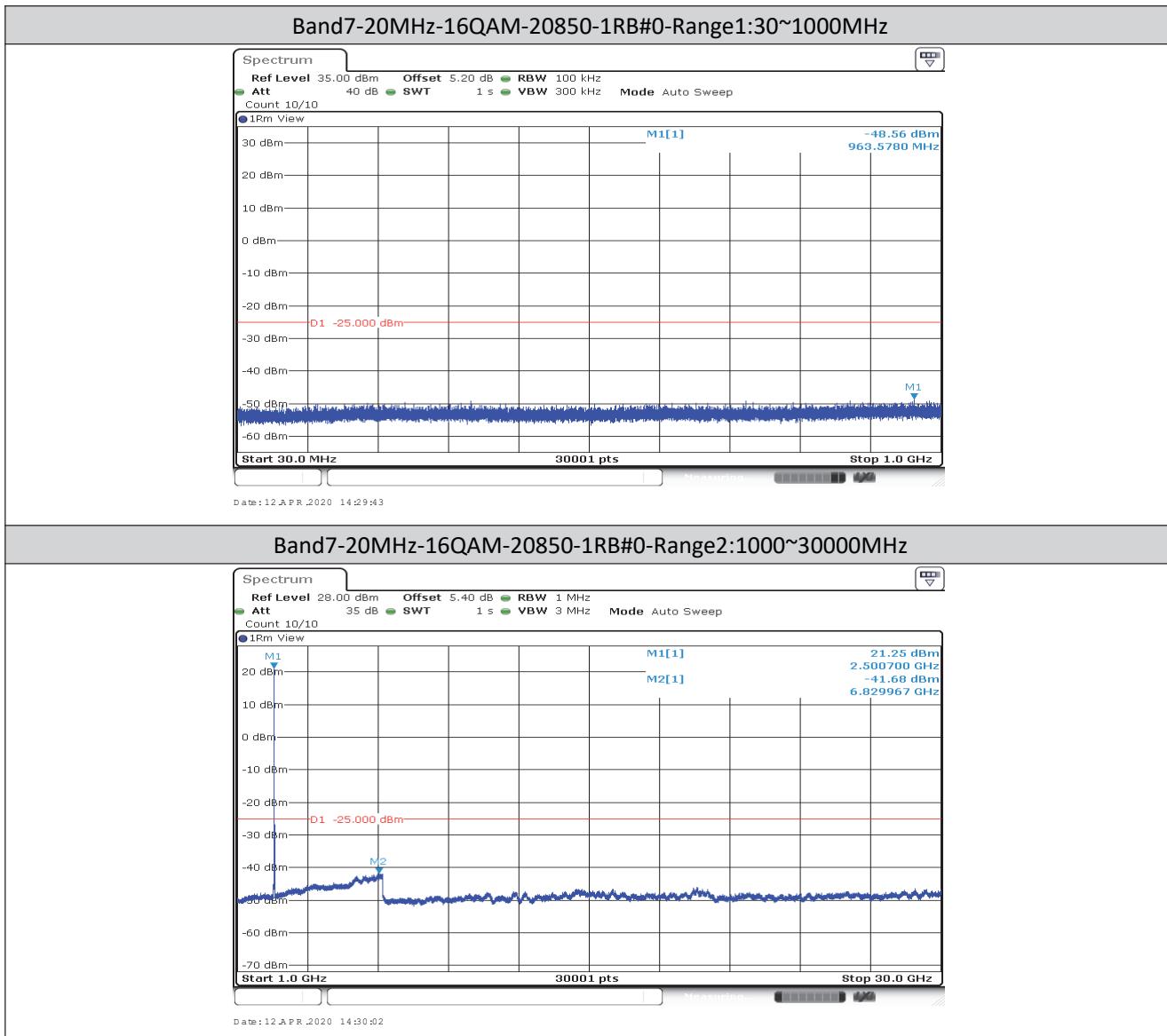
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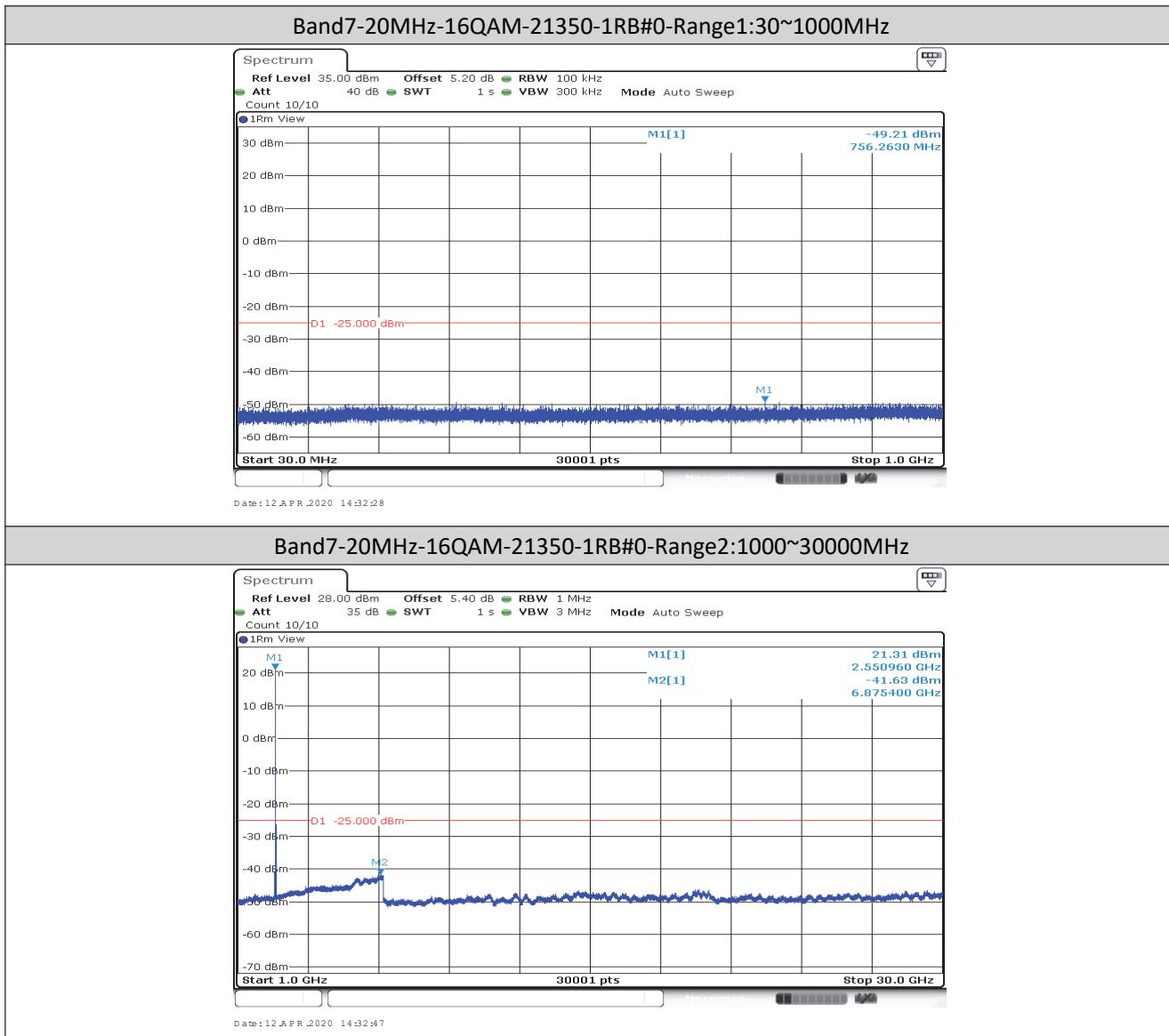
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7. Field Strength of Spurious Radiation

7.1. Test Band = LTE Band 7

7.1.1. Test Mode =LTE/TM1 20MHz

7.1.1.1. Test Channel = LCH(Down Antenna)

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.650000	-79.14	-25.00	54.14	Vertical
118.750000	-87.03	-25.00	62.03	Vertical
934.366667	-75.23	-25.00	50.23	Vertical
5033.525000	-64.83	-25.00	39.83	Vertical
7462.900000	-62.84	-25.00	37.84	Vertical
10516.275000	-61.14	-25.00	36.14	Vertical
64.450000	-76.12	-25.00	51.12	Horizontal
628.658333	-80.39	-25.00	55.39	Horizontal
967.091667	-74.43	-25.00	49.43	Horizontal
5044.575000	-64.50	-25.00	39.50	Horizontal
7683.250000	-62.63	-25.00	37.63	Horizontal
10020.650000	-61.60	-25.00	36.60	Horizontal

7.1.1.2. Test Channel = MCH(Down Antenna)

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.300000	-74.75	-25.00	49.75	Vertical
615.962500	-80.21	-25.00	55.21	Vertical
948.345833	-74.74	-25.00	49.74	Vertical
5081.950000	-64.92	-25.00	39.92	Vertical
7672.850000	-62.61	-25.00	37.61	Vertical
10510.425000	-61.19	-25.00	36.19	Vertical
63.950000	-78.83	-25.00	53.83	Horizontal
344.000000	-83.69	-25.00	58.69	Horizontal
948.850000	-74.91	-25.00	49.91	Horizontal
5065.375000	-64.49	-25.00	39.49	Horizontal
7590.625000	-62.99	-25.00	37.99	Horizontal
10329.725000	-61.21	-25.00	36.21	Horizontal

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7.1.1.3. Test Channel = HCH(Down Antenna)

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
65.650000	-77.57	-25.00	52.57	Vertical
124.950000	-86.03	-25.00	61.03	Vertical
933.220833	-75.22	-25.00	50.22	Vertical
5093.975000	-64.59	-25.00	39.59	Vertical
7813.900000	-62.19	-25.00	37.19	Vertical
10478.250000	-61.28	-25.00	36.28	Vertical
62.750000	-75.42	-25.00	50.42	Horizontal
295.250000	-85.20	-25.00	60.20	Horizontal
972.225000	-73.98	-25.00	48.98	Horizontal
5063.750000	-64.69	-25.00	39.69	Horizontal
7771.975000	-62.68	-25.00	37.68	Horizontal
10645.300000	-61.17	-25.00	36.17	Horizontal

7.1.1.4. Test Channel = LCH(Up Antenna)

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.400000	-79.37	-25.00	54.37	Vertical
339.500000	-81.85	-25.00	56.85	Vertical
952.745833	-75.57	-25.00	50.57	Vertical
5185.300000	-64.79	-25.00	39.79	Vertical
7507.425000	-62.66	-25.00	37.66	Vertical
10663.175000	-60.59	-25.00	35.59	Vertical
62.550000	-75.10	-25.00	50.10	Horizontal
268.600000	-84.92	-25.00	59.92	Horizontal
959.300000	-74.51	-25.00	49.51	Horizontal
5142.725000	-64.73	-25.00	39.73	Horizontal
7498.650000	-62.54	-25.00	37.54	Horizontal
10645.950000	-60.92	-25.00	35.92	Horizontal

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7.1.1.5. Test Channel = MCH(Up Antenna)

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.100000	-79.31	-25.00	54.31	Vertical
344.750000	-81.41	-25.00	56.41	Vertical
936.062500	-75.38	-25.00	50.38	Vertical
5379.000000	-64.56	-25.00	39.56	Vertical
7689.750000	-62.55	-25.00	37.55	Vertical
10644.325000	-60.62	-25.00	35.62	Vertical
62.550000	-74.81	-25.00	49.81	Horizontal
270.000000	-85.50	-25.00	60.50	Horizontal
977.495833	-74.13	-25.00	49.13	Horizontal
3508.950000	-67.20	-25.00	42.20	Horizontal
5130.050000	-64.23	-25.00	39.23	Horizontal
7940.000000	-61.55	-25.00	36.55	Horizontal

7.1.1.6. Test Channel = HCH(Up Antenna)

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
65.100000	-79.20	-25.00	54.20	Vertical
344.900000	-81.20	-25.00	56.20	Vertical
1000.500000	-69.45	-25.00	44.45	Vertical
5144.675000	-64.58	-25.00	39.58	Vertical
7089.475000	-62.70	-25.00	37.70	Vertical
10608.900000	-60.26	-25.00	35.26	Vertical
55.950000	-74.65	-25.00	49.65	Horizontal
263.450000	-85.75	-25.00	60.75	Horizontal
957.145833	-75.03	-25.00	50.03	Horizontal
4984.450000	-65.48	-25.00	40.48	Horizontal
7990.375000	-62.55	-25.00	37.55	Horizontal
10614.425000	-60.86	-25.00	35.86	Horizontal

Remark:

- 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.
- 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.
- 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	-11.20	-0.004462	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	5.90	0.002351	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	-15.80	-0.006295	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-10.80	-0.004260	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	6.20	0.002446	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	7.10	0.002801	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	4.20	0.001641	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-1.50	-0.000586	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-14.00	-0.005469	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	-11.10	-0.004422	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	17.50	0.006972	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	-11.60	-0.004622	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-6.80	-0.002682	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-8.20	-0.003235	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-14.90	-0.005878	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	11.80	0.004609	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	1.60	0.000625	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	-0.70	-0.000273	±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	-2.80	-0.001116	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-7.20	-0.002869	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	-8.30	-0.003307	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-0.30	-0.000120	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	-4.50	-0.001793	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	8.90	0.003546	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	-12.80	-0.005100	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	1.20	0.000478	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	7.70	0.003037	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-8.50	-0.003353	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	9.90	0.003905	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	2.50	0.000986	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-10.50	-0.004142	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-11.90	-0.004694	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-19.00	-0.007495	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	9.90	0.003905	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-3.10	-0.001211	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-1.80	-0.000703	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-14.10	-0.005508	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	8.40	0.003281	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	11.10	0.004336	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	-5.60	-0.002188	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	-1.90	-0.000742	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-13.50	-0.005273	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	-9.90	-0.003944	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	4.10	0.001633	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	-16.70	-0.006653	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	6.40	0.002550	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	-18.80	-0.007490	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	30	-0.20	-0.000080	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	-9.70	-0.003865	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	3.90	0.001554	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	1.30	0.000513	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-22.00	-0.008679	±2.5	PASS

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Band7	20MHz	16QAM	21100	100RB#0	NV	0	-2.60	-0.001026	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-5.00	-0.001972	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	0.20	0.000079	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	-1.50	-0.000592	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	-3.90	-0.001538	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	-11.90	-0.004694	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	-2.60	-0.001016	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	-14.80	-0.005781	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	-2.40	-0.000938	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	-9.90	-0.003867	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	-8.20	-0.003203	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	-9.60	-0.003750	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	-6.90	-0.002695	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	-7.00	-0.002734	±2.5	PASS

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