



Appendix B

E-UTRA Band 7



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1 Effective (Isotropic) Radiated Power

1.1. Test Result (Up Antenna)

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	17.70	20	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	17.71	20.01	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	17.74	20.04	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#6	17.85	20.15	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#0	17.92	20.22	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#13	17.95	20.25	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	17.84	20.14	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	17.62	19.92	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	17.75	20.05	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	17.67	19.97	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#0	17.78	20.08	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#6	17.78	20.08	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#13	17.86	20.16	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	17.78	20.08	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	17.71	20.01	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	17.63	19.93	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	17.72	20.02	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#13	17.88	20.18	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#6	17.86	20.16	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#0	17.85	20.15	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	17.82	20.12	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	17.53	19.83	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	17.75	20.05	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	17.63	19.93	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#0	17.92	20.22	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#6	17.74	20.04	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#13	17.78	20.08	33.00	PASS



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Band7	5MHz	64QAM	20775	25RB#0	17.82	20.12	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	17.45	19.75	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	17.59	19.89	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	17.42	19.72	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#13	17.85	20.15	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#6	17.70	20	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#0	17.62	19.92	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	17.79	20.09	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	17.42	19.72	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	17.55	19.85	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	17.92	20.22	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#0	17.81	20.11	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#6	17.71	20.01	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#13	17.70	20	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	17.77	20.07	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	17.92	20.22	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	17.88	20.18	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	17.92	20.22	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#13	17.95	20.25	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#6	18.00	20.3	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#0	17.93	20.23	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	18.00	20.3	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	17.82	20.12	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	18.01	20.31	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	17.79	20.09	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#0	17.83	20.13	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#6	17.86	20.16	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#13	17.91	20.21	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	17.91	20.21	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	17.70	20	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	18.02	20.32	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	18.02	20.32	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#0	17.85	20.15	33.00	PASS



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Band7	5MHz	16QAM	21425	12RB#6	17.92	20.22	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#13	17.90	20.2	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	17.80	20.1	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	17.73	20.03	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	17.66	19.96	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	17.64	19.94	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#12	17.94	20.24	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#0	17.98	20.28	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#25	17.97	20.27	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	17.92	20.22	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	17.56	19.86	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	17.52	19.82	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	17.78	20.08	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#25	17.75	20.05	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#0	17.84	20.14	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#12	17.81	20.11	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	17.82	20.12	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	17.55	19.85	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	17.57	19.87	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	17.89	20.19	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#25	17.74	20.04	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#0	17.84	20.14	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#12	17.89	20.19	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	17.92	20.22	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	17.75	20.05	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	17.69	19.99	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	17.72	20.02	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#0	17.88	20.18	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#12	17.93	20.23	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#25	17.84	20.14	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	17.89	20.19	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	17.77	20.07	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	17.72	20.02	33.00	PASS



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Band7	10MHz	64QAM	21100	1RB#24	17.71	20.01	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#0	17.67	19.97	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#12	17.70	20	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#25	17.80	20.1	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	17.78	20.08	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	17.77	20.07	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	17.69	19.99	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	17.71	20.01	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#25	17.52	19.82	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#0	17.71	20.01	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#12	17.82	20.12	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	17.60	19.9	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	17.84	20.14	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	17.85	20.15	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	17.85	20.15	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#12	17.86	20.16	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#0	17.97	20.27	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#25	17.98	20.28	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	18.01	20.31	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	17.67	19.97	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	17.98	20.28	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	18.01	20.31	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#0	17.79	20.09	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#25	17.85	20.15	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#12	17.89	20.19	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	17.79	20.09	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	17.72	20.02	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	17.84	20.14	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	17.95	20.25	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#0	17.80	20.1	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#12	17.88	20.18	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#25	17.88	20.18	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	17.76	20.06	33.00	PASS



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Band7	15MHz	QPSK	20825	1RB#74	17.97	20.27	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	17.89	20.19	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	17.86	20.16	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#39	17.99	20.29	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#18	17.98	20.28	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#0	18.03	20.33	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	18.01	20.31	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	17.86	20.16	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	17.79	20.09	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	17.86	20.16	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#0	17.82	20.12	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#18	17.90	20.2	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#39	17.94	20.24	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	17.85	20.15	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	17.69	19.99	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	17.74	20.04	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	17.81	20.11	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#0	17.76	20.06	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#18	17.90	20.2	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#39	17.98	20.28	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	17.79	20.09	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	17.46	19.76	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	17.89	20.19	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	17.77	20.07	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#0	17.81	20.11	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#18	17.60	19.9	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#39	17.74	20.04	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	17.62	19.92	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	17.52	19.82	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	17.59	19.89	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	17.89	20.19	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#39	17.53	19.83	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#0	17.72	20.02	33.00	PASS



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Band7	15MHz	64QAM	21100	36RB#18	17.51	19.81	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	17.60	19.9	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	17.74	20.04	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#38	17.75	20.05	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	17.59	19.89	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#18	17.56	19.86	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#0	17.51	19.81	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#39	17.62	19.92	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	17.62	19.92	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	18.08	20.38	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	18.03	20.33	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	17.87	20.17	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#0	18.01	20.31	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#39	18.05	20.35	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#18	18.04	20.34	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	18.00	20.3	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	17.67	19.97	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	17.64	19.94	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	18.00	20.3	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#0	17.92	20.22	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#18	17.80	20.1	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#39	17.98	20.28	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	17.83	20.13	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	17.94	20.24	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	18.01	20.31	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	18.01	20.31	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#0	17.82	20.12	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#18	17.85	20.15	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#39	18.03	20.33	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	17.82	20.12	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	17.85	20.15	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	17.74	20.04	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	17.80	20.1	33.00	PASS



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Band7	20MHz	QPSK	20850	50RB#25	18.00	20.3	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#0	17.95	20.25	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#50	17.97	20.27	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.92	20.22	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	17.76	20.06	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	17.71	20.01	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	17.83	20.13	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#0	17.77	20.07	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#25	17.94	20.24	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	17.88	20.18	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.76	20.06	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	17.59	19.89	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	17.68	19.98	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	17.73	20.03	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#25	17.90	20.2	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#0	17.90	20.2	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#50	17.98	20.28	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.97	20.27	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	17.89	20.19	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	17.99	20.29	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	17.77	20.07	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#50	17.75	20.05	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#0	17.72	20.02	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#25	17.74	20.04	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.63	19.93	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	17.90	20.2	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	17.79	20.09	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	17.71	20.01	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#0	17.60	19.9	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#25	17.59	19.89	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#50	17.89	20.19	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.48	19.78	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	17.71	20.01	33.00	PASS



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Band7	20MHz	64QAM	21350	1RB#0	17.78	20.08	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#49	17.66	19.96	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#0	17.70	20	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#50	17.63	19.93	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#25	17.75	20.05	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.72	20.02	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	18.11	20.41	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	18.00	20.3	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	18.00	20.3	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#0	18.02	20.32	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	18.00	20.3	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#50	18.03	20.33	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.03	20.33	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	18.05	20.35	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	18.02	20.32	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	18.03	20.33	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#0	17.88	20.18	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#25	17.87	20.17	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#50	17.99	20.29	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.74	20.04	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	18.01	20.31	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	18.04	20.34	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	18.10	20.4	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#50	17.88	20.18	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#25	17.86	20.16	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#0	18.09	20.39	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.85	20.15	33.00	PASS



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1.2. Test Result (Down Antenna)

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.92	24.12	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.96	24.16	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.91	24.11	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.05	23.25	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.09	23.29	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.04	23.24	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.08	23.28	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.01	24.21	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.93	24.13	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.99	24.19	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.09	23.29	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.05	23.25	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#13	22.13	23.33	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.09	23.29	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.05	24.25	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.09	24.29	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.03	24.23	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#13	22.16	23.36	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.19	23.39	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#0	22.20	23.4	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.22	23.42	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	21.68	22.88	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	21.56	22.76	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	21.52	22.72	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#0	20.49	21.69	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#6	20.54	21.74	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#13	20.53	21.73	33.00	PASS
Band7	5MHz	64QAM	20775	25RB#0	20.53	21.73	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	21.53	22.73	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	21.77	22.97	33.00	PASS



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Band7	5MHz	64QAM	21100	1RB#24	21.59	22.79	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#13	20.54	21.74	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#6	20.53	21.73	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#0	20.52	21.72	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	20.62	21.82	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	21.85	23.05	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	21.81	23.01	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	21.75	22.95	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#0	20.69	21.89	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#6	20.74	21.94	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#13	20.65	21.85	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	20.71	21.91	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.35	23.55	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.24	23.44	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.15	23.35	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.11	22.31	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.12	22.32	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#0	21.14	22.34	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.05	22.25	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.20	23.4	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.07	23.27	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.27	23.47	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#0	21.05	22.25	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.11	22.31	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.12	22.32	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.12	22.32	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.39	23.59	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.28	23.48	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.30	23.5	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#0	21.26	22.46	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#6	21.20	22.4	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#13	21.17	22.37	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.25	22.45	33.00	PASS



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Band7	10MHz	QPSK	20800	1RB#49	22.82	24.02	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.89	24.09	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.85	24.05	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.12	23.32	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.02	23.22	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.05	23.25	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.00	23.2	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.99	24.19	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.92	24.12	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.01	24.21	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.11	23.31	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.02	23.22	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.08	23.28	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.10	23.3	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.03	24.23	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.04	24.24	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.09	24.29	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.15	23.35	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.17	23.37	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#12	22.18	23.38	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.15	23.35	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	21.73	22.93	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	21.79	22.99	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	21.66	22.86	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#0	20.60	21.8	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#12	20.50	21.7	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#25	20.51	21.71	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	20.57	21.77	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	21.56	22.76	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	21.69	22.89	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#24	21.83	23.03	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#0	20.53	21.73	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#12	20.60	21.8	33.00	PASS



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Band7	10MHz	64QAM	21100	25RB#25	20.59	21.79	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	20.58	21.78	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	21.85	23.05	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	21.81	23.01	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	21.86	23.06	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#25	20.73	21.93	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#0	20.70	21.9	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#12	20.80	22	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.78	21.98	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.32	23.52	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.99	23.19	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.02	23.22	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.09	22.29	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.06	22.26	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.11	22.31	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.09	22.29	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.37	23.57	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.33	23.53	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.21	23.41	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.02	22.22	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.12	22.32	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.10	22.3	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.12	22.32	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.36	23.56	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.33	23.53	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.31	23.51	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.13	22.33	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.20	22.4	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.28	22.48	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.08	22.28	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.98	24.18	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.97	24.17	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.00	24.2	33.00	PASS



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Band7	15MHz	QPSK	20825	36RB#39	22.06	23.26	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#18	22.14	23.34	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#0	22.12	23.32	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.07	23.27	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.01	24.21	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.04	24.24	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.06	24.26	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#0	22.11	23.31	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#18	22.16	23.36	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#39	22.05	23.25	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.18	23.38	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.10	24.3	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.23	24.43	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.06	24.26	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#0	22.23	23.43	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#18	22.21	23.41	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#39	22.17	23.37	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.15	23.35	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	21.65	22.85	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	21.66	22.86	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	21.47	22.67	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#0	20.53	21.73	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#18	20.50	21.7	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#39	20.40	21.6	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	20.56	21.76	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	21.78	22.98	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	21.23	22.43	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	21.63	22.83	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#39	20.58	21.78	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#0	20.50	21.7	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#18	20.57	21.77	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	20.54	21.74	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	21.73	22.93	33.00	PASS





Band7	15MHz	64QAM	21375	1RB#38	21.90	23.1	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	21.75	22.95	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#18	20.72	21.92	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#0	20.69	21.89	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#39	20.73	21.93	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	20.73	21.93	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.11	23.31	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.35	23.55	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.28	23.48	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#0	21.08	22.28	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#39	21.06	22.26	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#18	21.09	22.29	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.01	22.21	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.37	23.57	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.23	23.43	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.26	23.46	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#0	21.15	22.35	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#18	21.20	22.4	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#39	21.10	22.3	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.08	22.28	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.39	23.59	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.28	23.48	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.25	23.45	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#0	21.19	22.39	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#18	21.22	22.42	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#39	21.20	22.4	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.11	22.31	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.05	24.25	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.10	24.3	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.05	24.25	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#25	22.14	23.34	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.05	23.25	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.10	23.3	33.00	PASS





Band7	20MHz	QPSK	20850	100RB#0	22.06	23.26	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.01	24.21	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.96	24.16	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.04	24.24	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.03	23.23	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.10	23.3	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.03	23.23	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.16	23.36	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.08	24.28	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.22	24.42	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.05	24.25	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.27	23.47	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.26	23.46	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.24	23.44	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.09	23.29	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	21.51	22.71	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	21.74	22.94	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	21.41	22.61	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#50	20.46	21.66	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#0	20.55	21.75	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#25	20.53	21.73	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	20.56	21.76	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	21.67	22.87	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	21.80	23	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	21.25	22.45	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#0	20.58	21.78	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#25	20.63	21.83	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#50	20.43	21.63	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	20.51	21.71	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	21.67	22.87	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#0	21.61	22.81	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#49	21.89	23.09	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#0	20.70	21.9	33.00	PASS



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Band7	20MHz	64QAM	21350	50RB#50	20.75	21.95	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#25	20.64	21.84	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	20.69	21.89	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.17	23.37	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.16	23.36	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.13	23.33	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.08	22.28	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.10	22.3	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.05	22.25	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.06	22.26	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.38	23.58	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.25	23.45	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.34	23.54	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.13	22.33	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.12	22.32	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#50	21.13	22.33	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.15	22.35	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.48	23.68	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.37	23.57	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.42	23.62	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.18	22.38	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.24	22.44	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.15	22.35	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.16	22.36	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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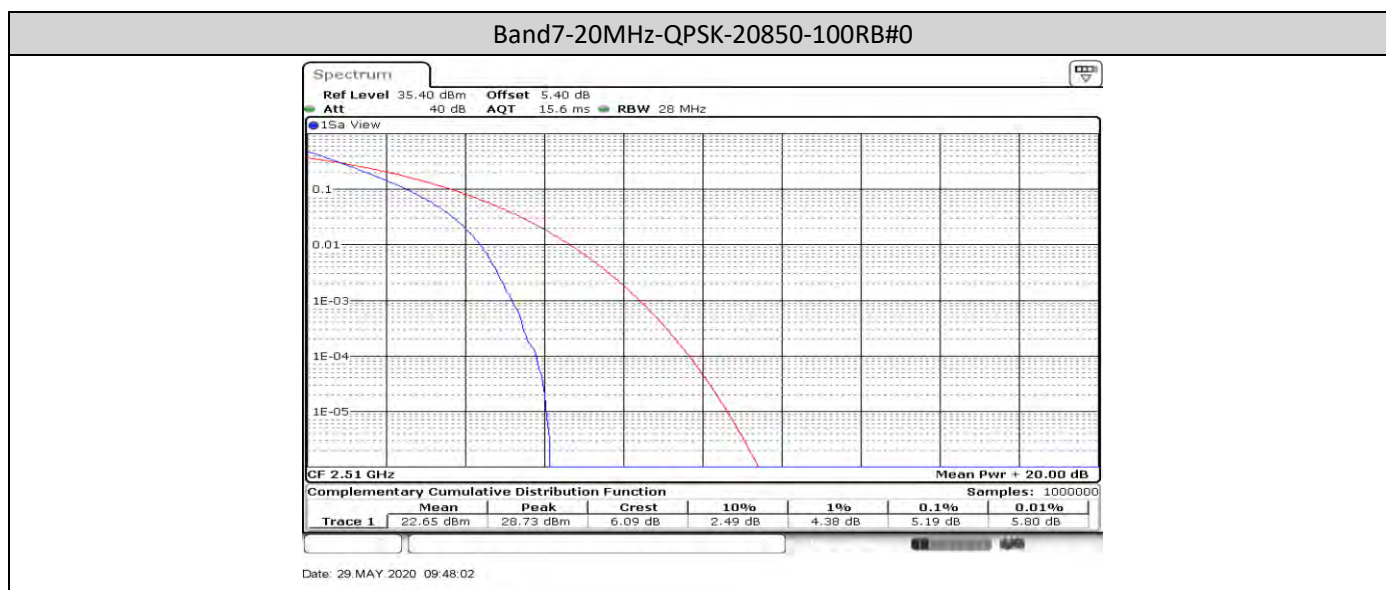


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.19	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.28	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.25	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.67	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.72	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.64	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.03	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.09	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.03	13	PASS

2.2. Test Plots





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



Date: 29 MAY 2020 09:48:25

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



Date: 29 MAY 2020 09:48:47





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



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



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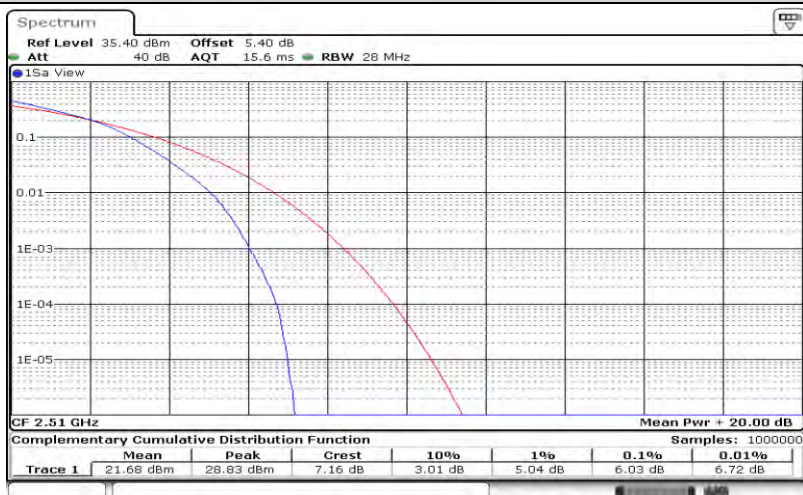


Band7-20MHz-64QAM-21350-100RB#0



Date: 31.MAY.2020 12:51:13

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



Date: 29.MAY.2020 09:48:14



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



Date: 29 MAY 2020 09:48:36

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



Date: 29 MAY 2020 09:48:58



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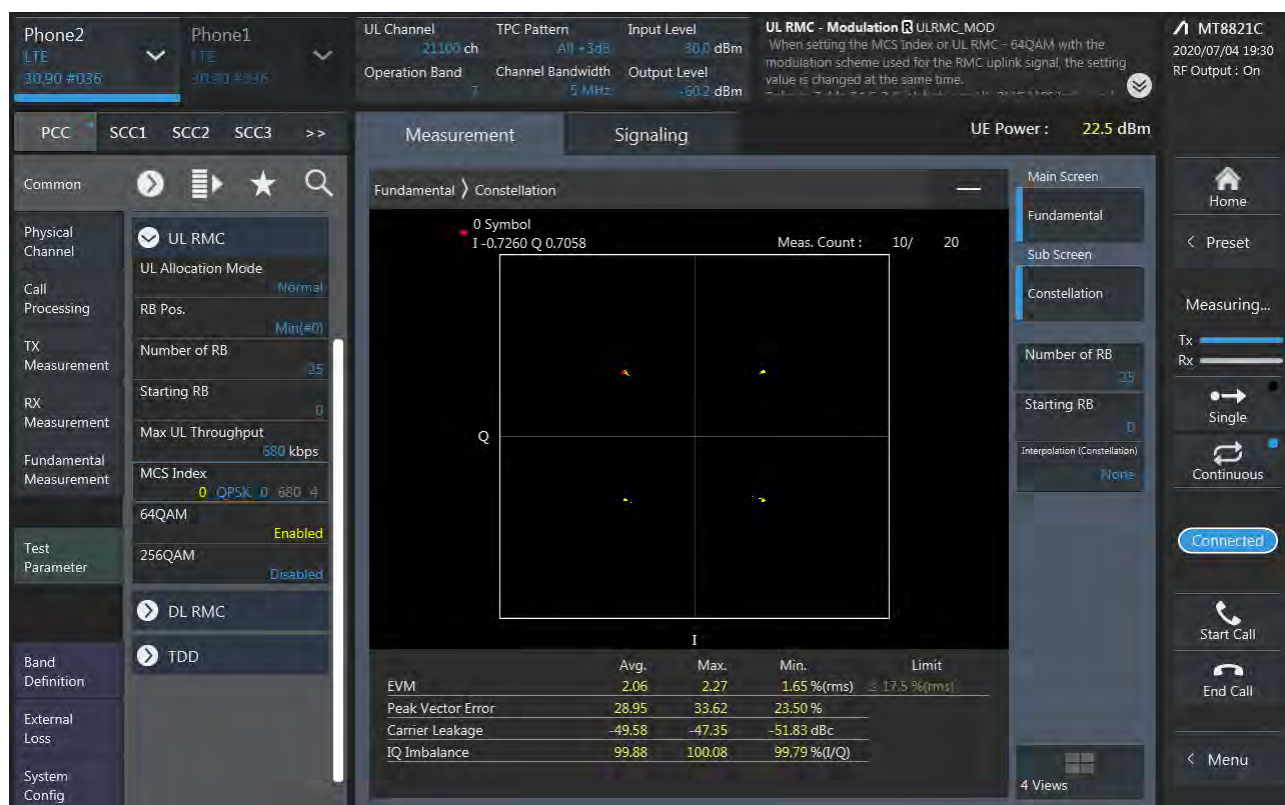


3. Modulation Characteristics

3.1. Test Band = LTE Band 7

3.1.1. Test Mode = LTE /TM1 20MHz

3.1.1.1. Test Channel = MCH



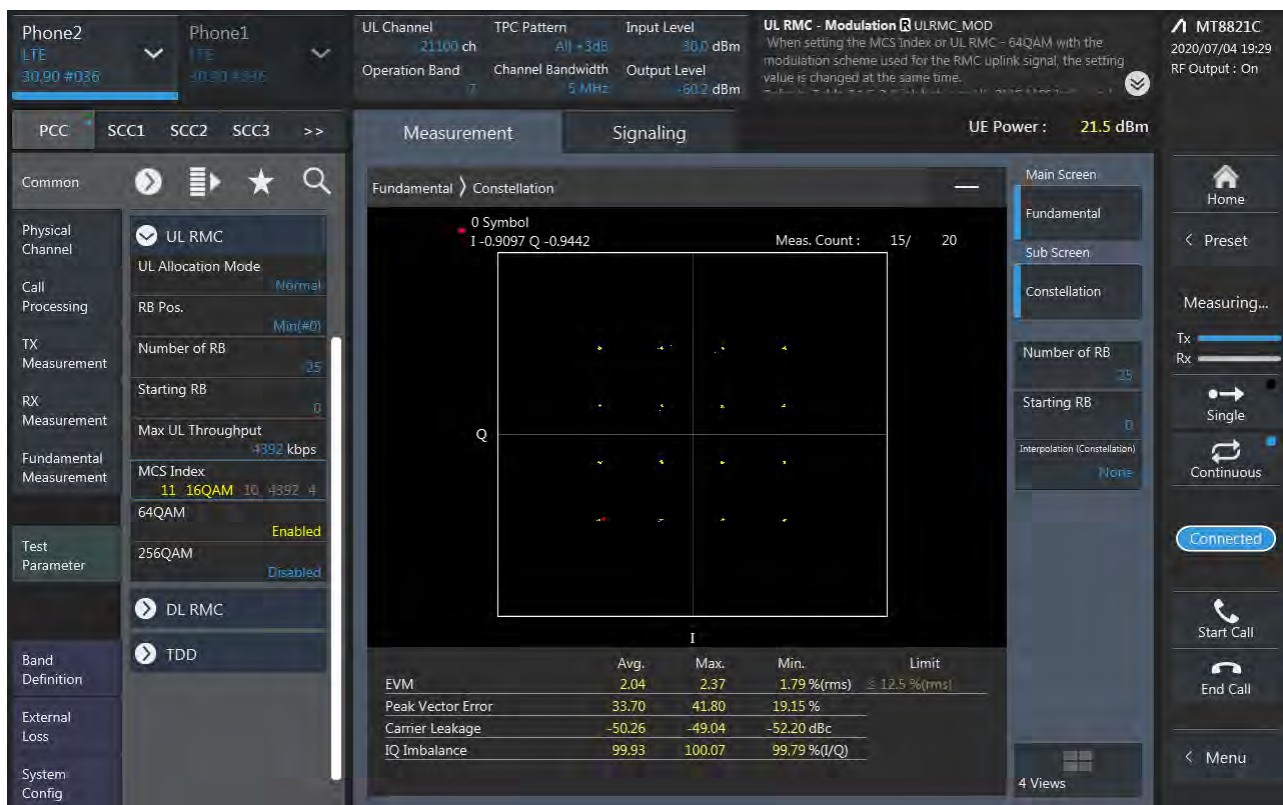
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3.1.2. Test Mode = LTE /TM2 20MHz

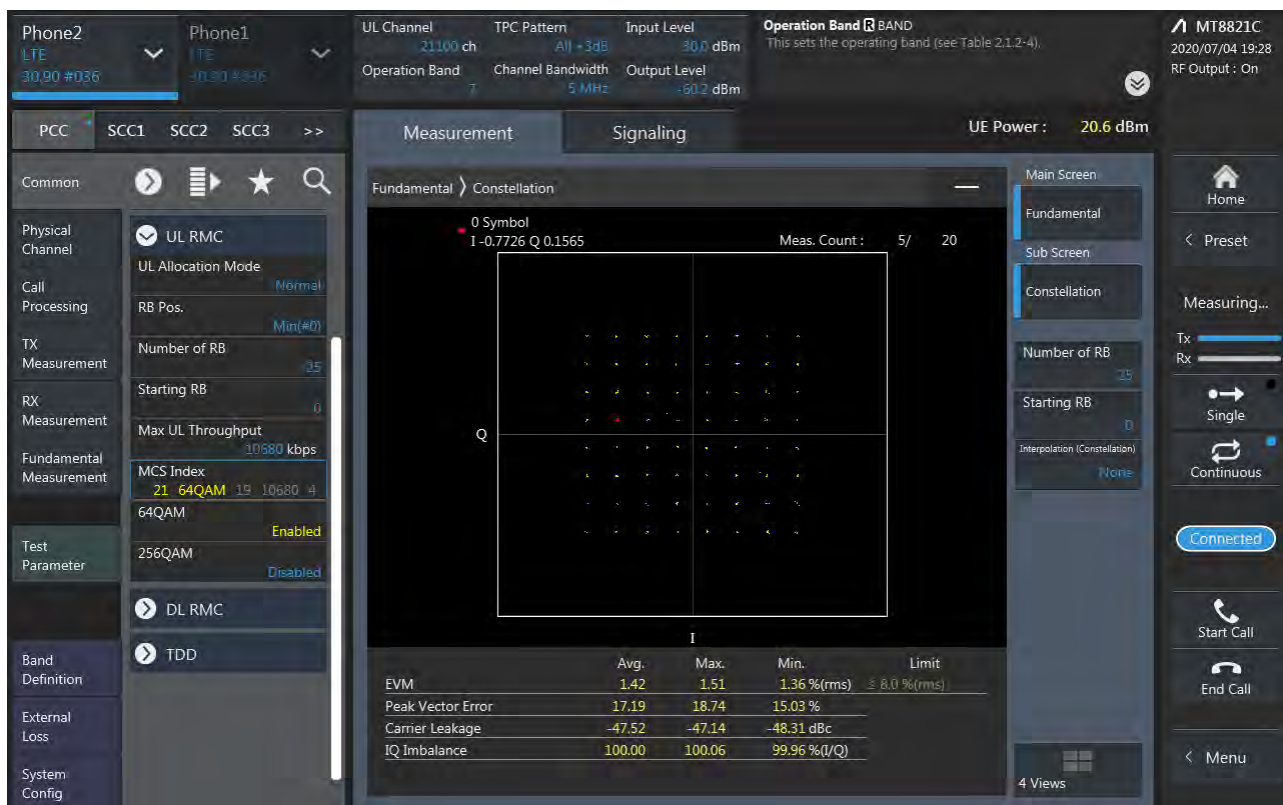
3.1.2.1. Test Channel = MCH





3.1.3. Test Mode = LTE /TM3 20MHz

3.1.3.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.466	4.890	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.890	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.466	4.900	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.466	4.890	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.466	4.880	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.466	4.890	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.486	4.910	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.486	4.910	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.486	4.930	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.931	9.660	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.911	9.640	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.931	9.640	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.931	9.640	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.911	9.600	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.911	9.640	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.911	9.720	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.911	9.660	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.911	9.680	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.457	14.730	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.427	14.700	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.457	14.760	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.457	14.820	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.397	14.760	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.427	14.760	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.457	14.730	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.427	14.640	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.427	14.730	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.862	19.400	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.862	19.320	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.902	19.400	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.862	19.520	PASS



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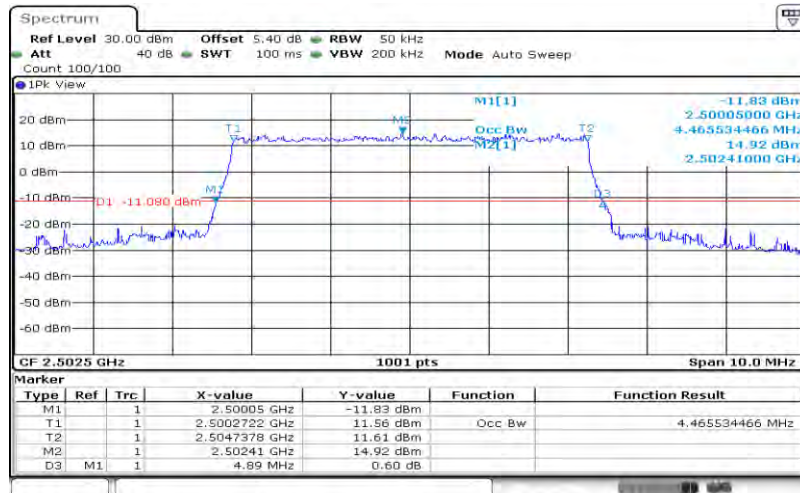
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Band7	20MHz	64QAM	21100	100RB#0	17.862	19.360	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.862	19.360	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.862	19.280	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.862	19.360	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.862	19.400	PASS

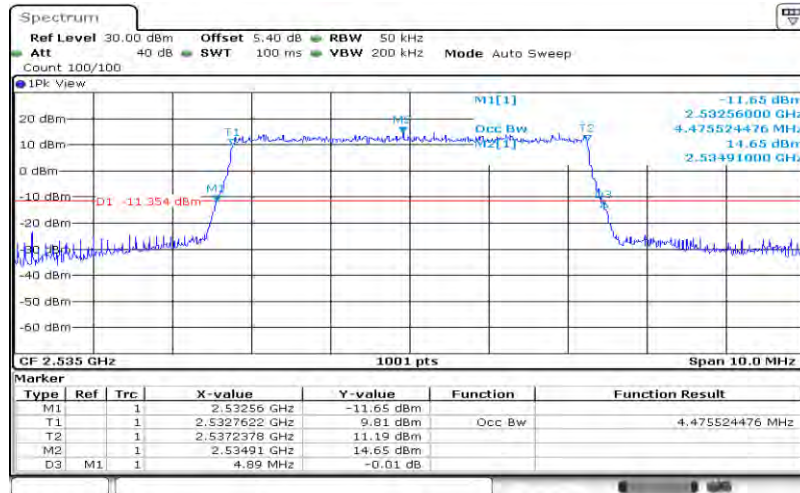
4.2. Test Plots

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



Date: 29 MAY 2020 09:28:11

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



Date: 29 MAY 2020 09:28:51

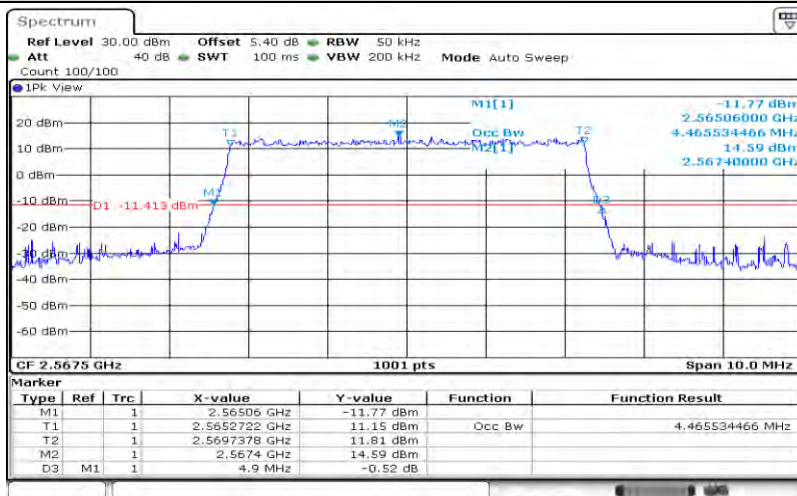


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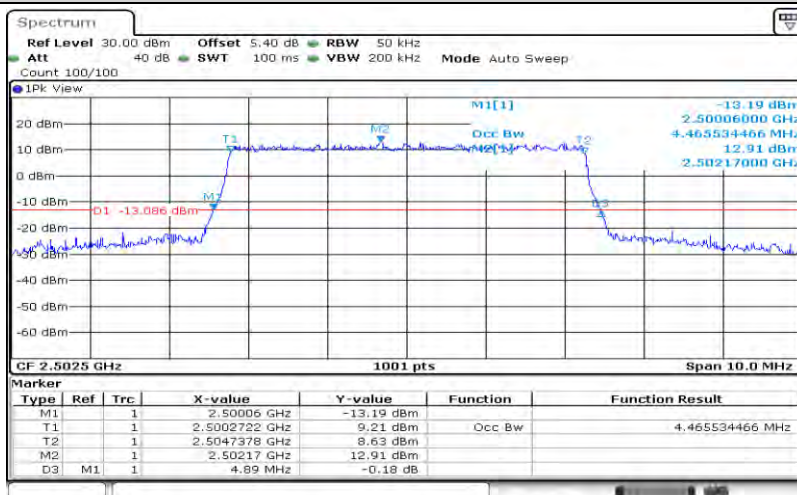


Band7-5MHz-QPSK-21425-25RB#0-4.466



Date: 29 MAY 2020 09:27:31

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



Date: 31 MAY 2020 12:38:19

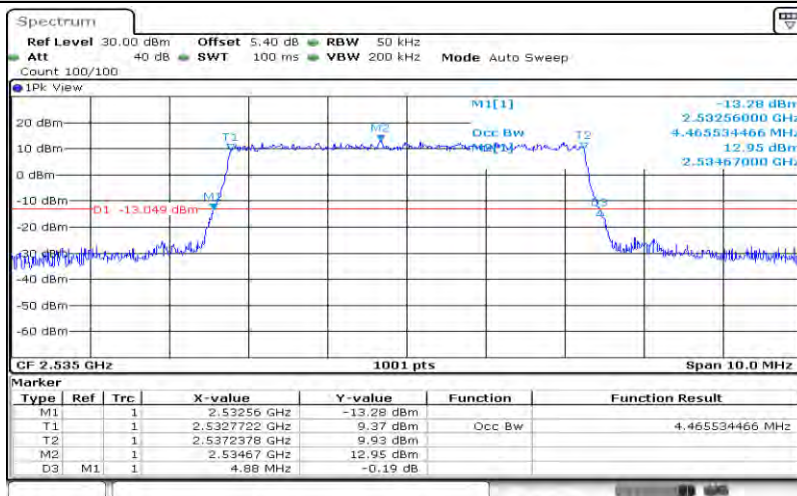


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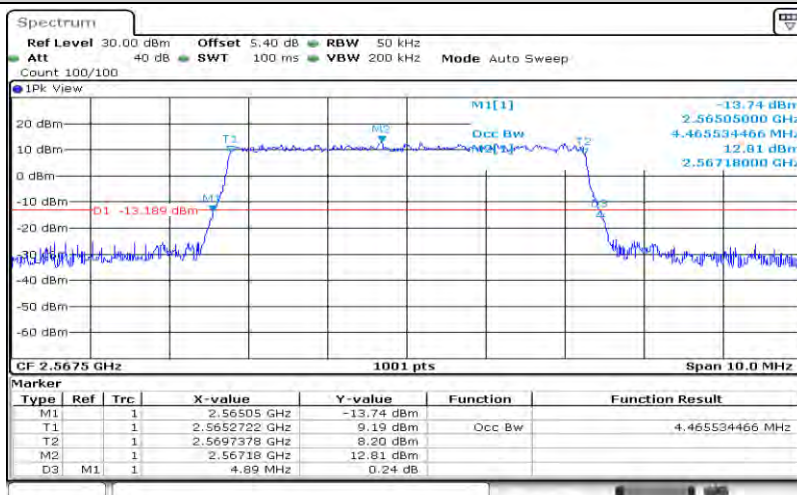


Band7-5MHz-64QAM-21100-25RB#0-4.466



Date: 31.MAY 2020 12:38:39

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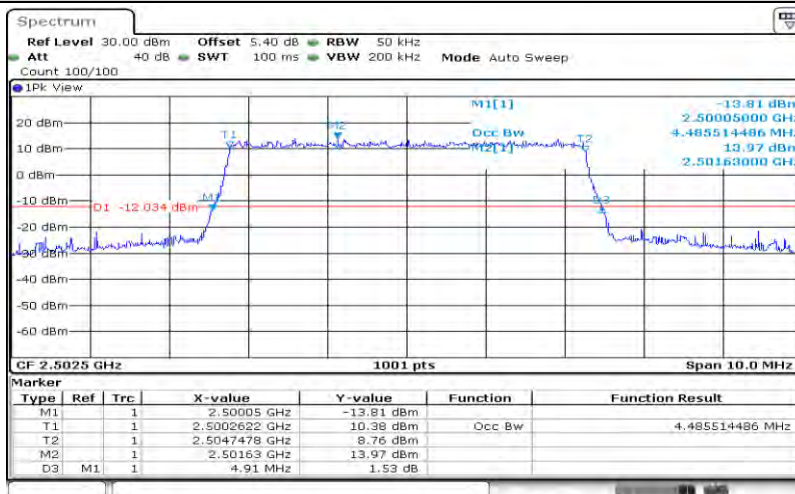


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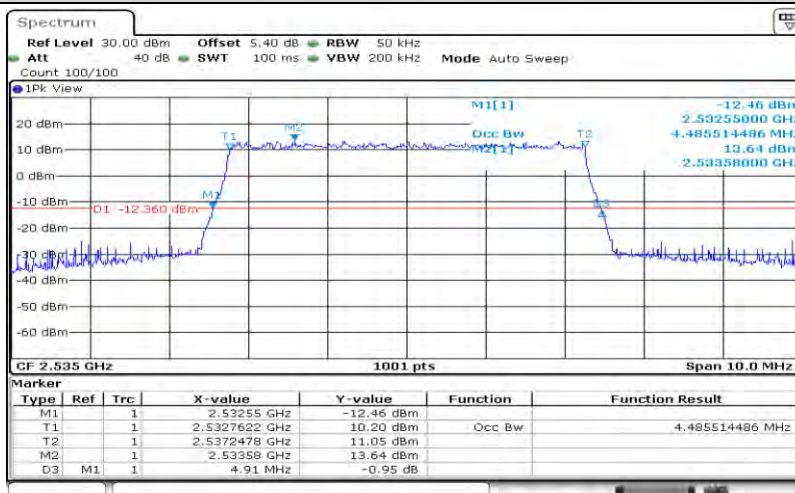


Band7-5MHz-16QAM-20775-25RB#0-4.486



Date: 29 MAY 2020 09:28:31

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



Date: 29 MAY 2020 09:27:11

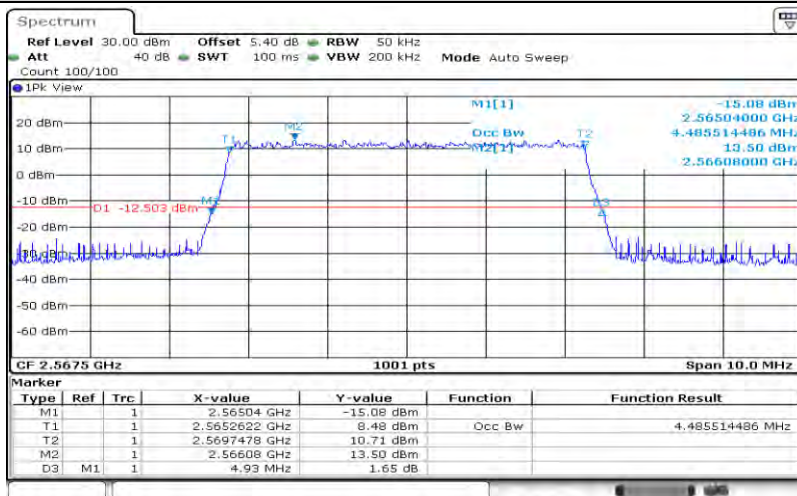


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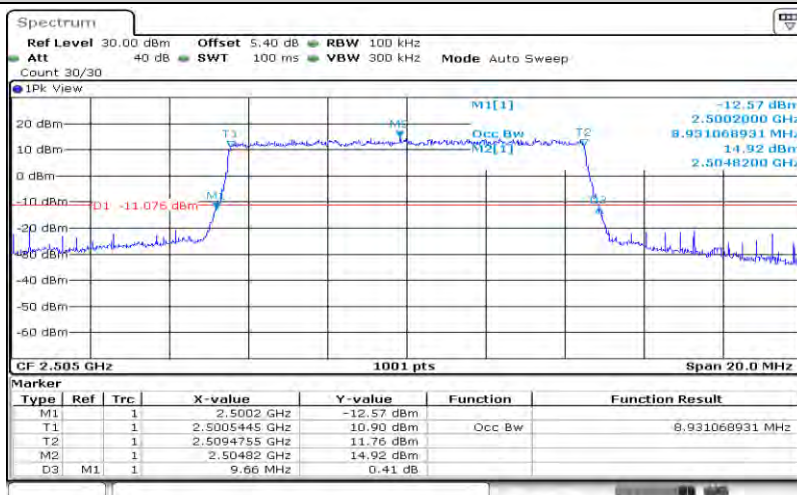


Band7-5MHz-16QAM-21425-25RB#0-4.486



Date: 29 MAY 2020 09:27:50

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



Date: 29 MAY 2020 09:28:08

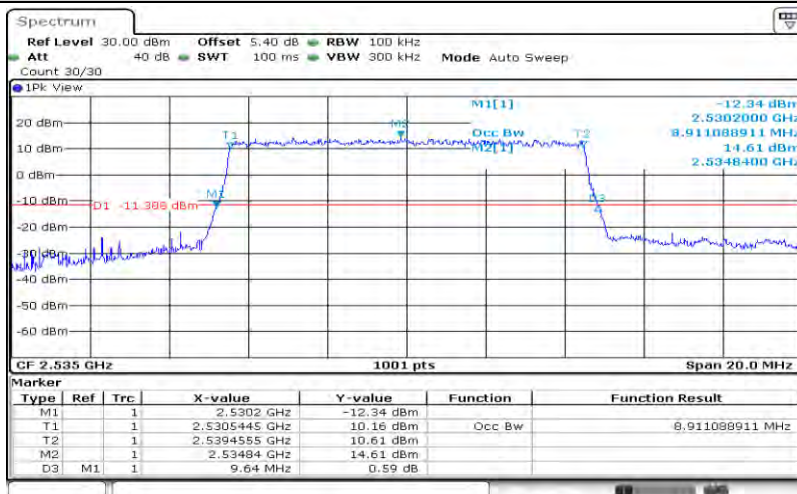


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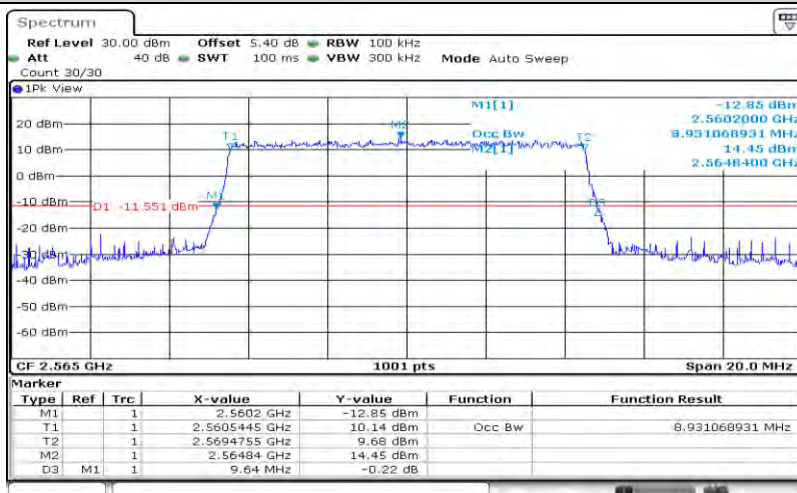


Band7-10MHz-QPSK-21100-50RB#0-8.911



Date: 29 MAY 2020 09:28:34

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



Date: 29 MAY 2020 09:29:00

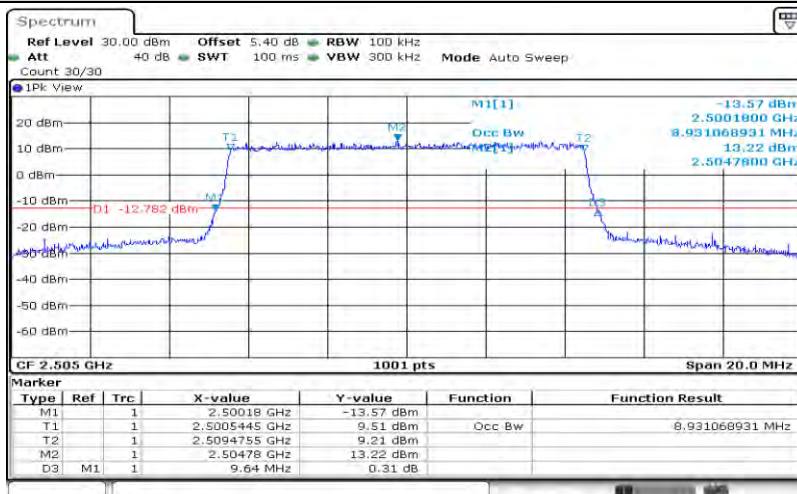


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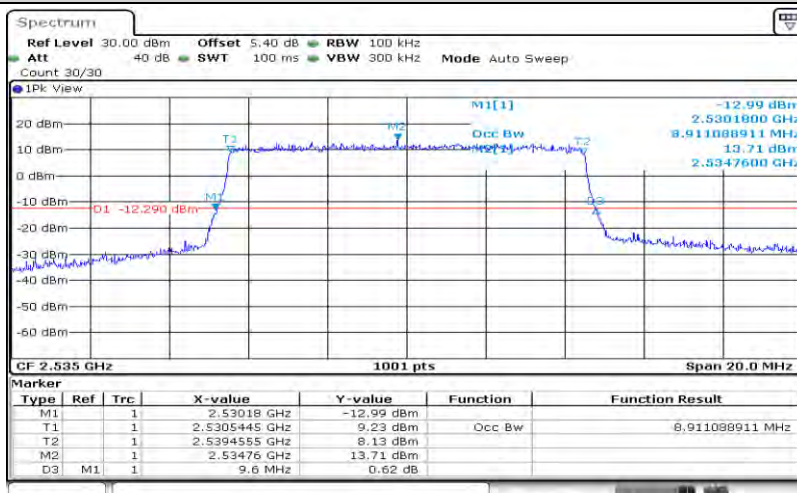


Band7-10MHz-64QAM-20800-50RB#0-8.931



Date: 31.MAY 2020 12:39:18

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



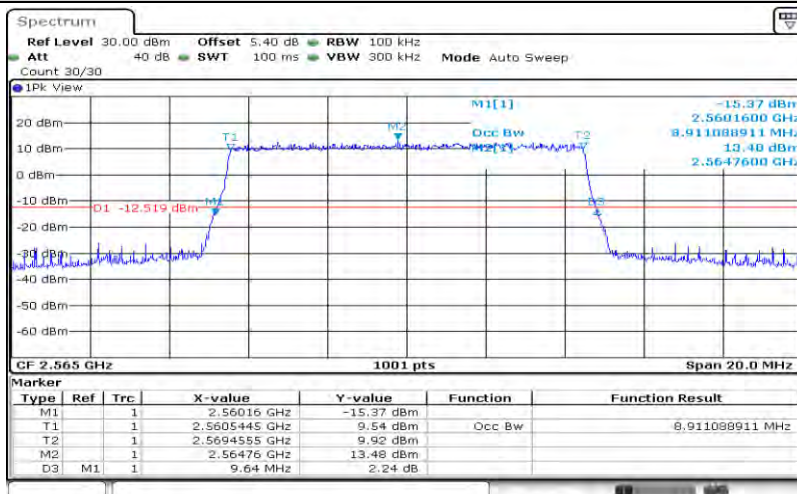
Date: 31.MAY 2020 12:39:31



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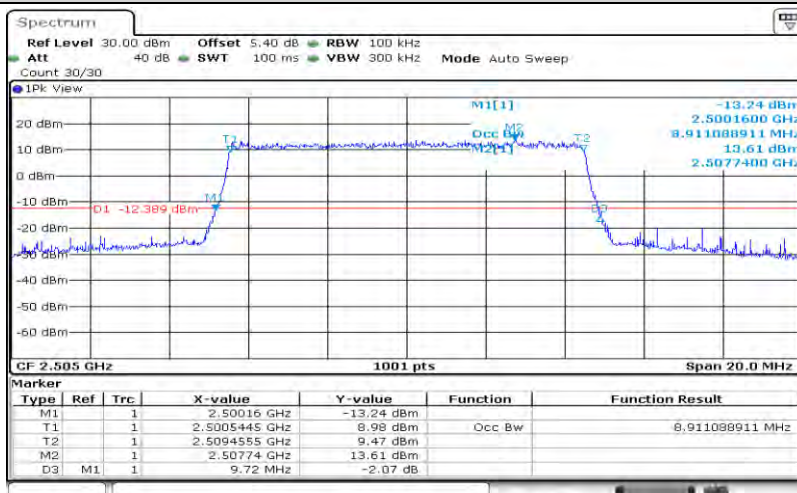
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Band7-10MHz-64QAM-21400-50RB#0-8.911



Date: 31 MAY 2020 12:39:44

Band7-10MHz-16QAM-20800-50RB#0-8.911



Date: 29 MAY 2020 09:28:21



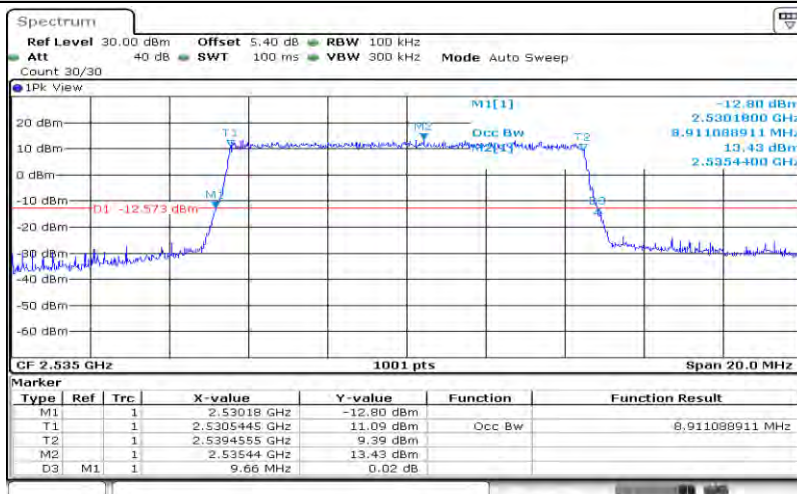
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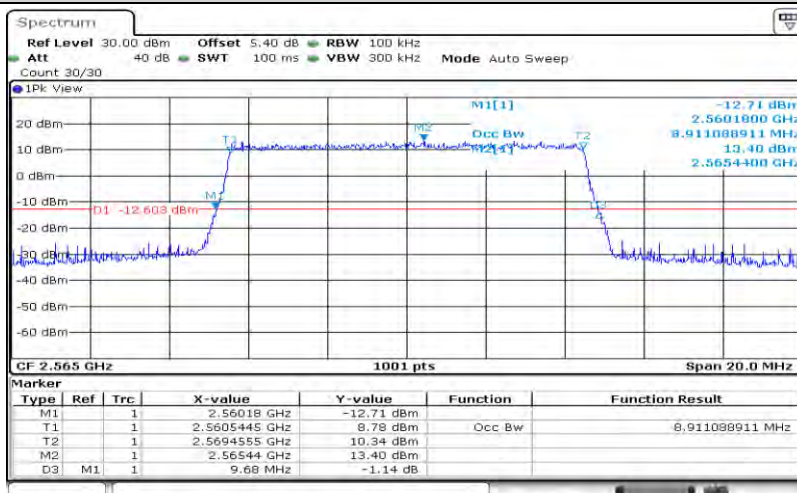


Band7-10MHz-16QAM-21100-50RB#0-8.911



Date: 29 MAY 2020 09:28:47

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

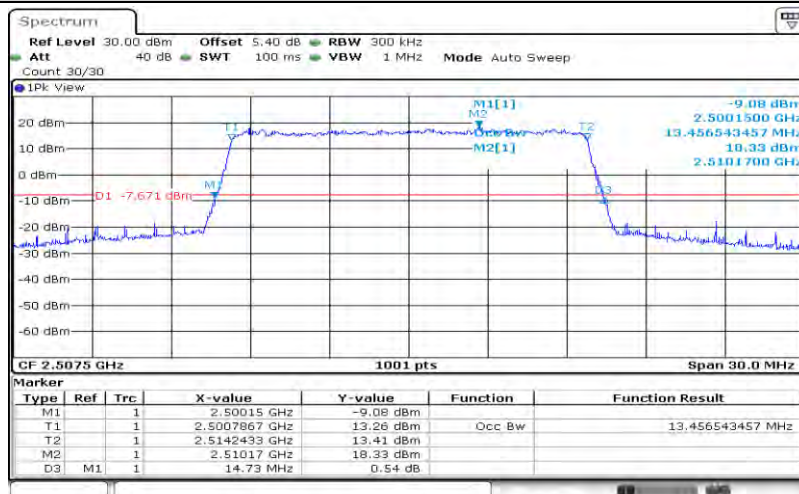


Date: 29 MAY 2020 09:29:12



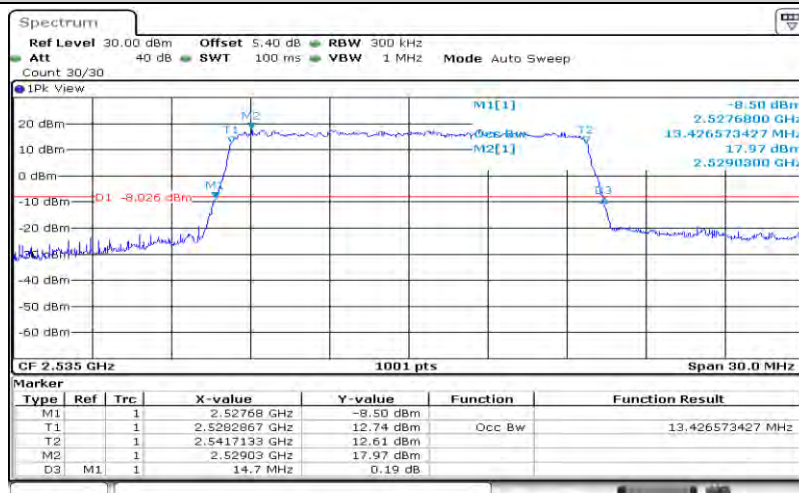


Band7-15MHz-QPSK-20825-75RB#0-13.457



Date: 29 MAY 2020 09:29:30

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



Date: 29 MAY 2020 09:29:56



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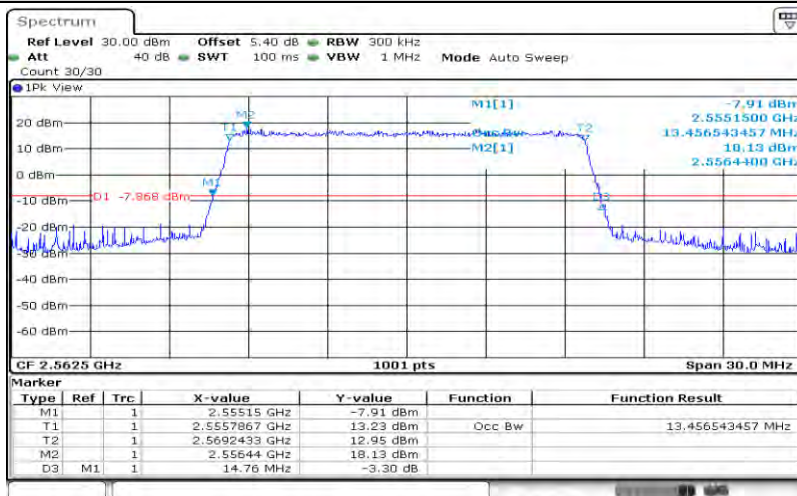
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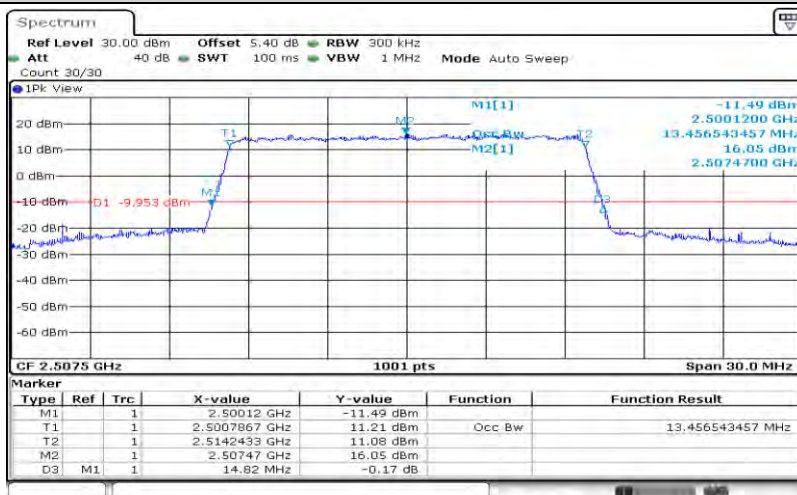


Band7-15MHz-QPSK-21375-75RB#0-13.457



Date: 29 MAY 2020 09:30:21

Band7-15MHz-64QAM-20825-75RB#0-13.457



Date: 31 MAY 2020 12:40:02



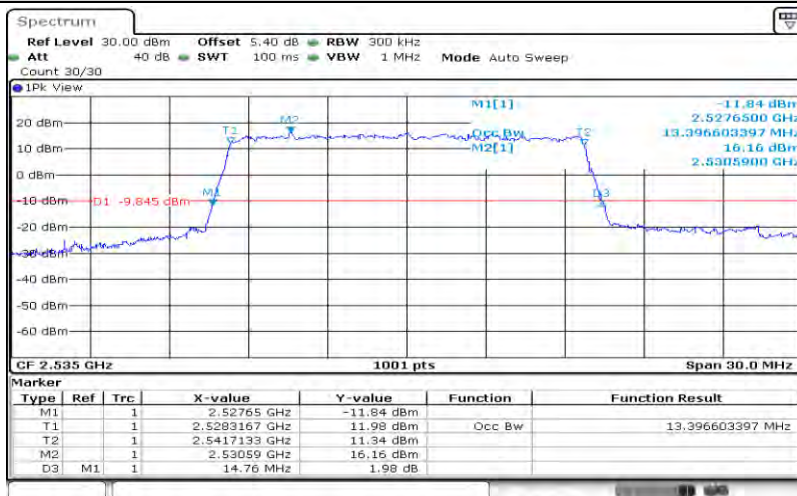
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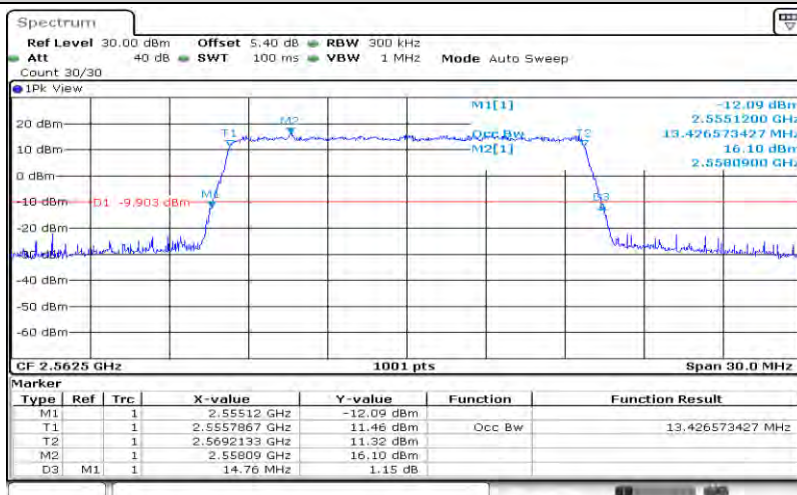


Band7-15MHz-64QAM-21100-75RB#0-13.397



Date: 31.MAY 2020 12:40:15

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



Date: 31.MAY 2020 12:40:28

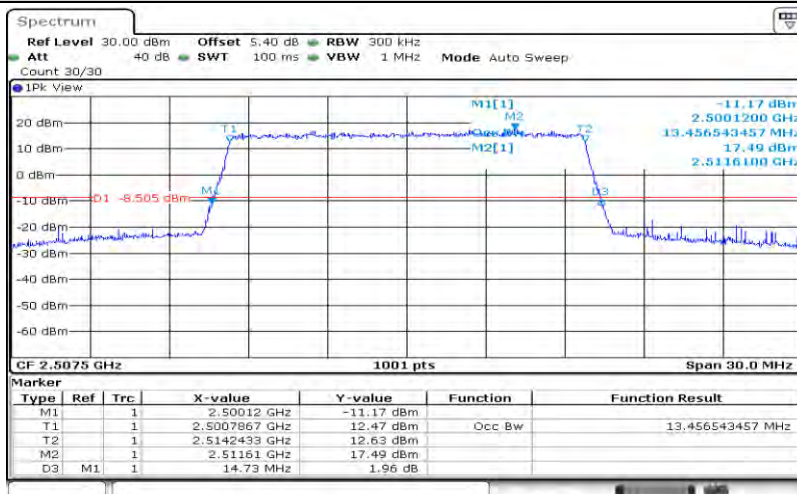


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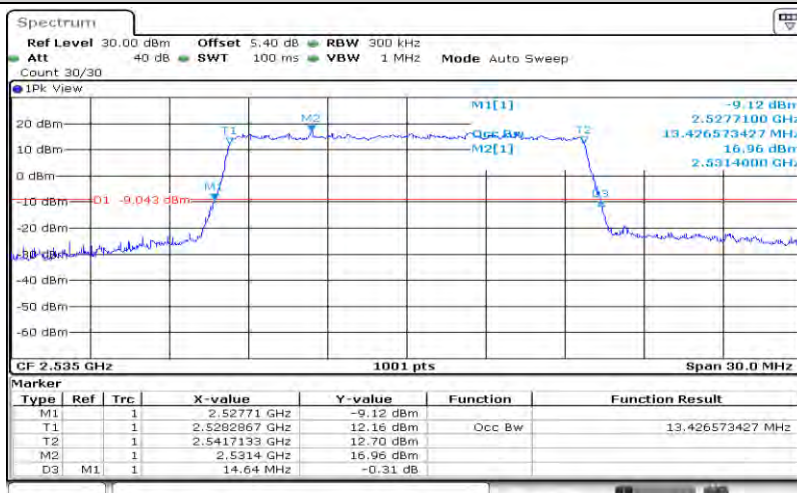


Band7-15MHz-16QAM-20825-75RB#0-13.457



Date: 29 MAY 2020 09:29:43

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



Date: 29 MAY 2020 09:30:08



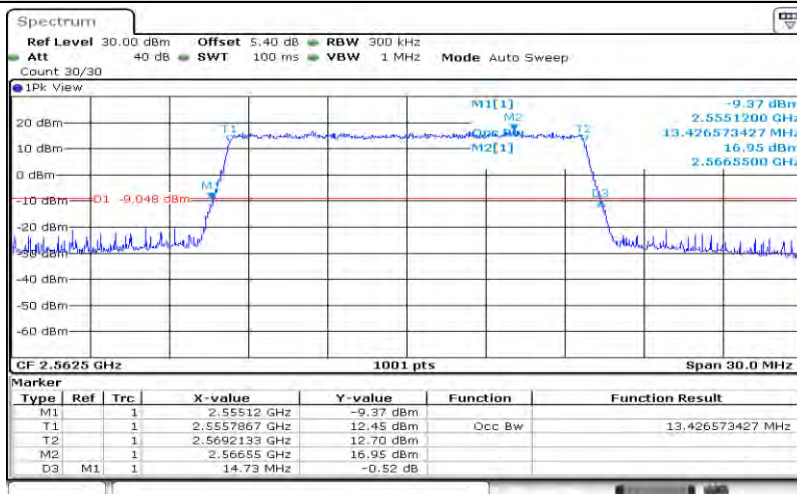
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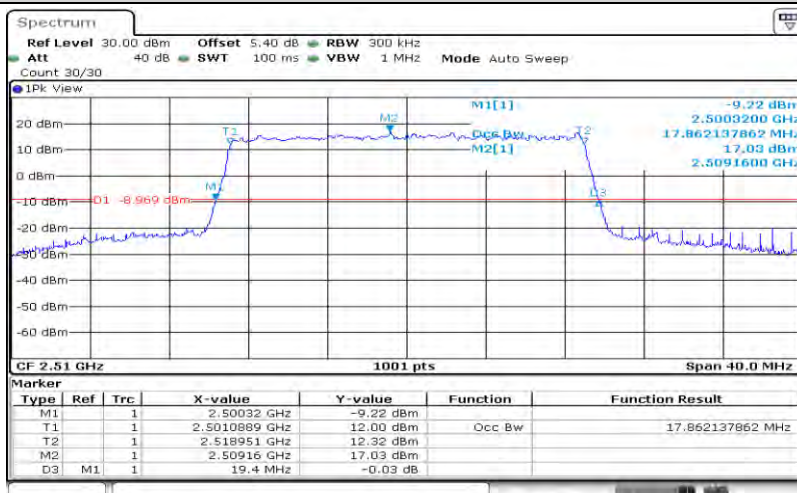
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Band7-15MHz-16QAM-21375-75RB#0-13.427



Date: 29 MAY 2020 09:30:34

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



Date: 29 MAY 2020 09:30:52



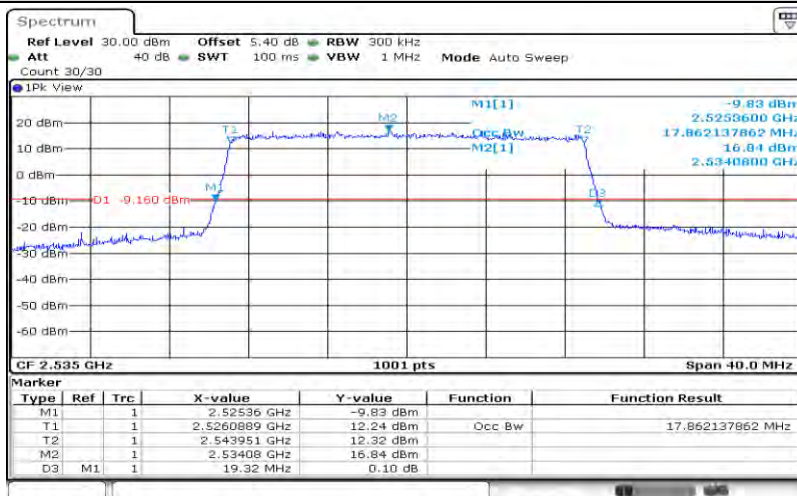
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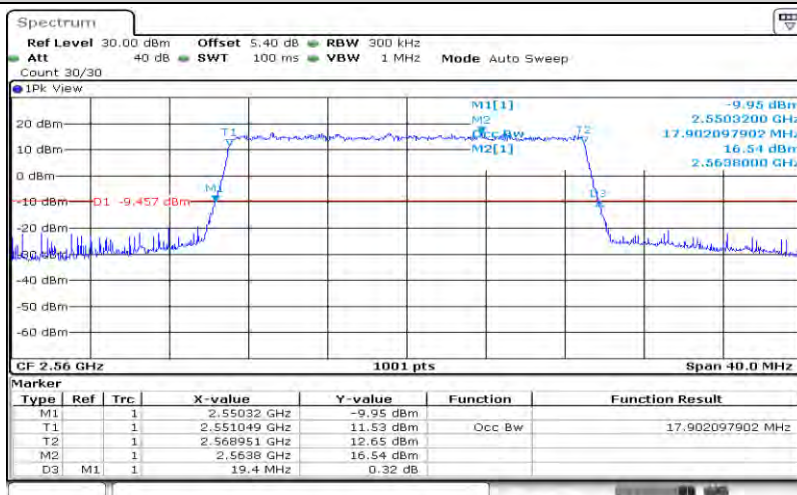


Band7-20MHz-QPSK-21100-100RB#0-17.862



Date: 29 MAY 2020 09:31:17

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



Date: 29 MAY 2020 09:31:43



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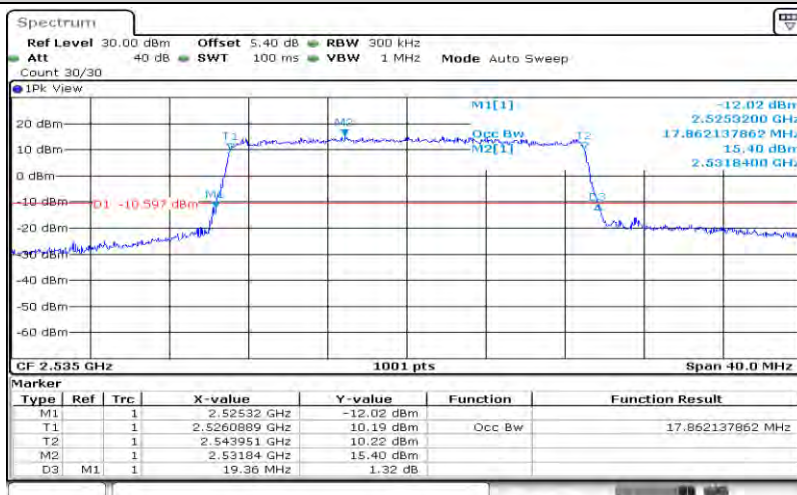


Band7-20MHz-64QAM-20850-100RB#0-17.862



Date: 31.MAY 2020 12:40:46

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



Date: 31.MAY 2020 12:40:59



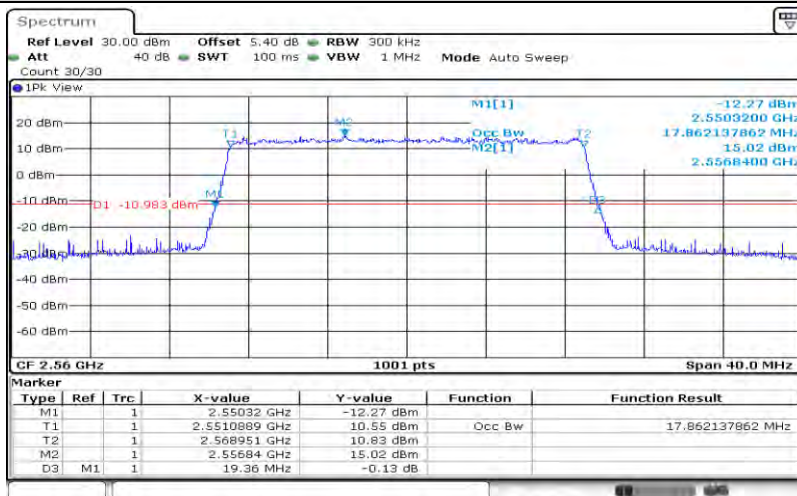
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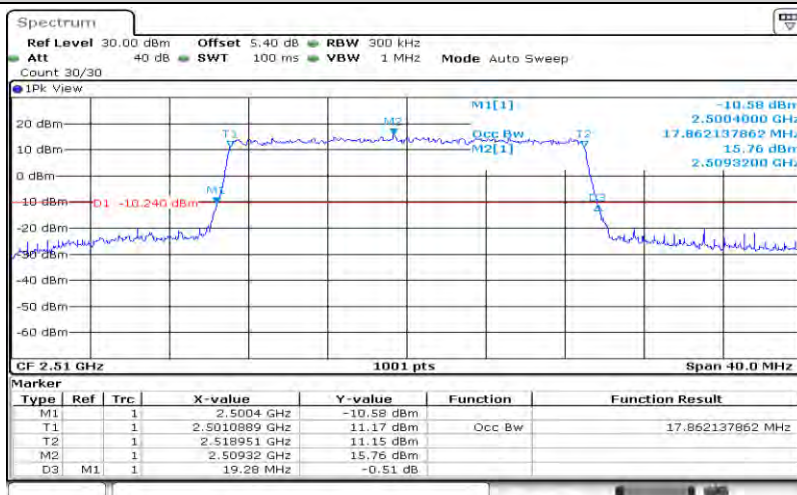


Band7-20MHz-64QAM-21350-100RB#0-17.862



Date: 31.MAY 2020 12:41:12

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



Date: 29 MAY 2020 09:31:04



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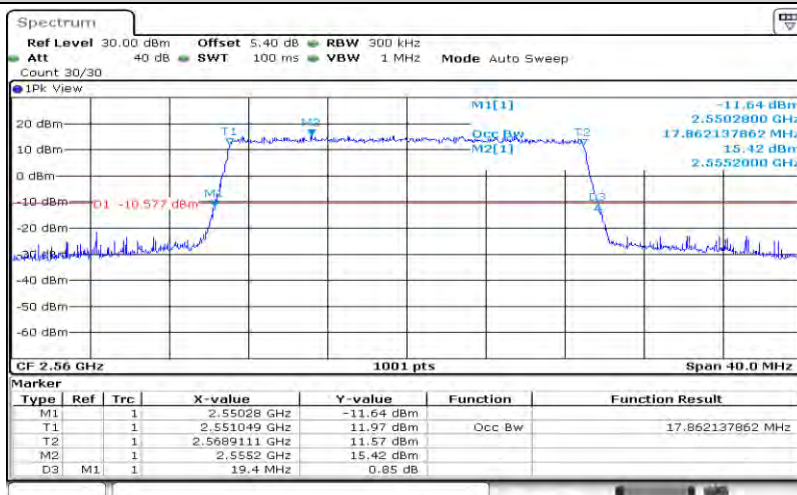


Band7-20MHz-16QAM-21100-100RB#0-17.862



Date: 29 MAY 2020 09:31:30

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



Date: 29 MAY 2020 09:31:56



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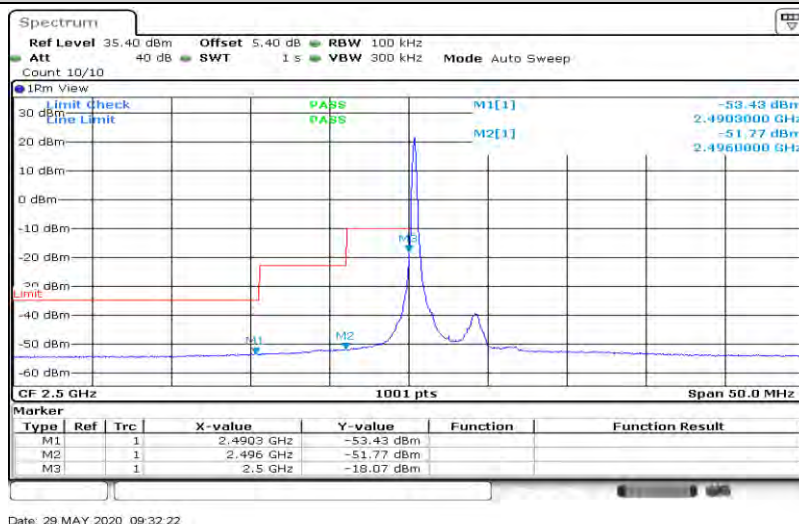
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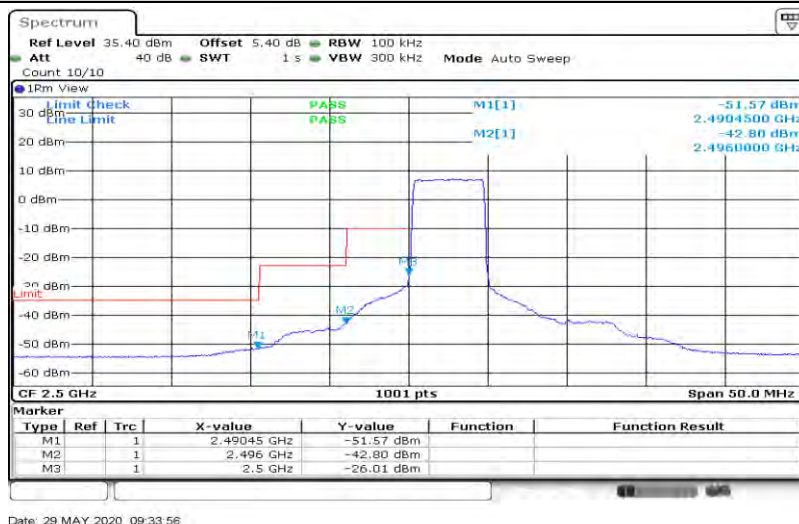
5. Band Edge Compliance

5.1. Test Plots

Band7-5MHz-QPSK-20775-1RB#0



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

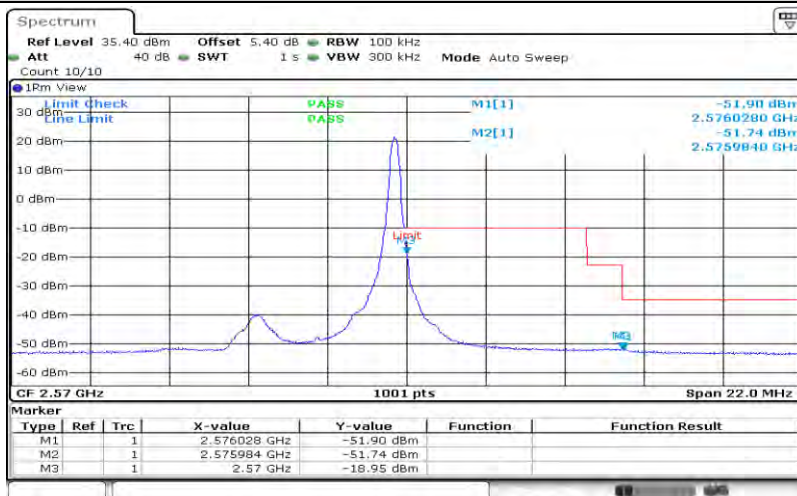


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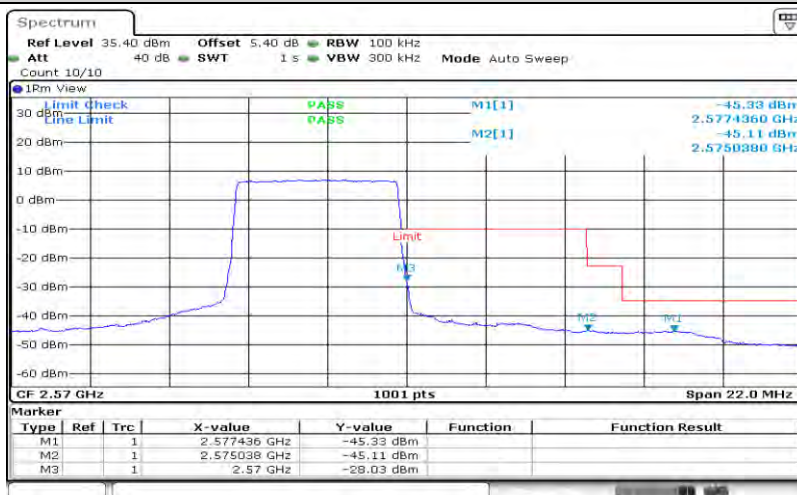


Band7-5MHz-QPSK-21425-1RB#24



Date: 29 MAY 2020 09:33:09

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



Date: 29 MAY 2020 09:34:39



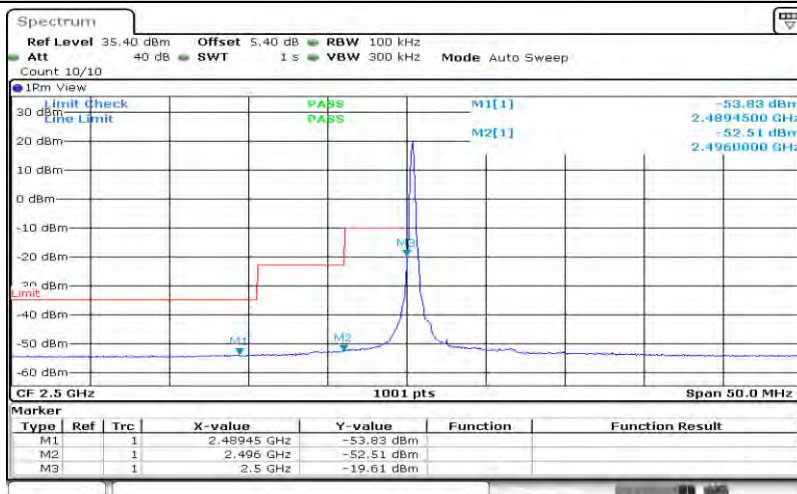
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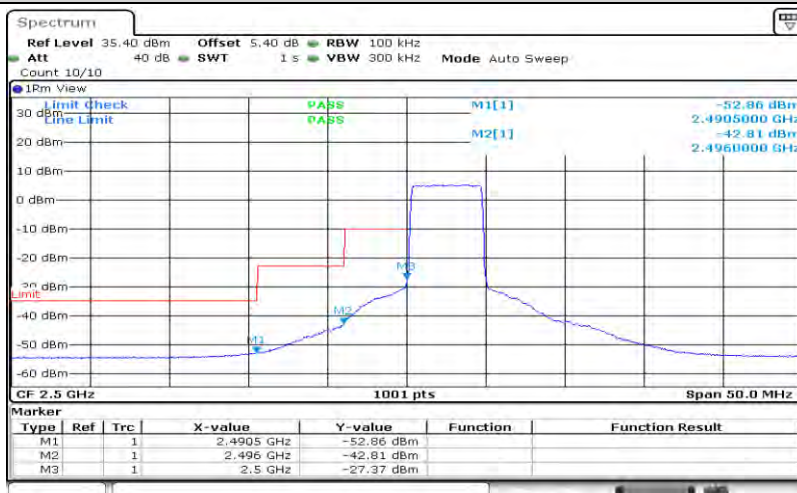


Band7-5MHz-64QAM-20775-1RB#0



Date: 31.MAY.2020 12:41:39

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Date: 31.MAY.2020 12:42:31

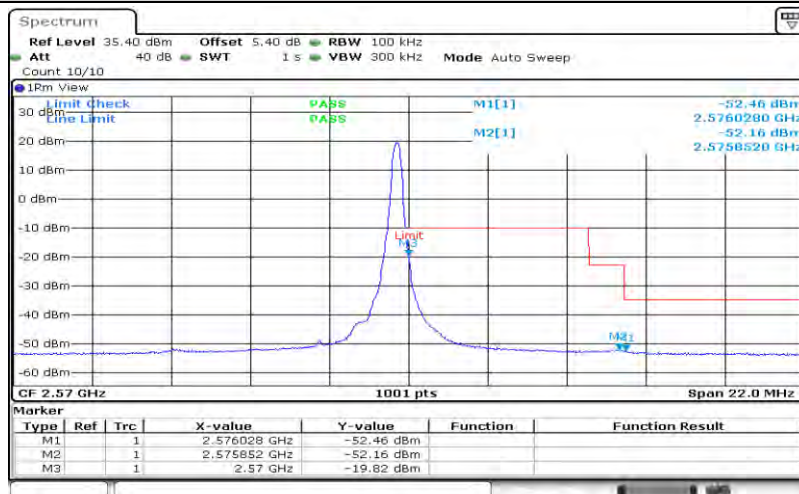


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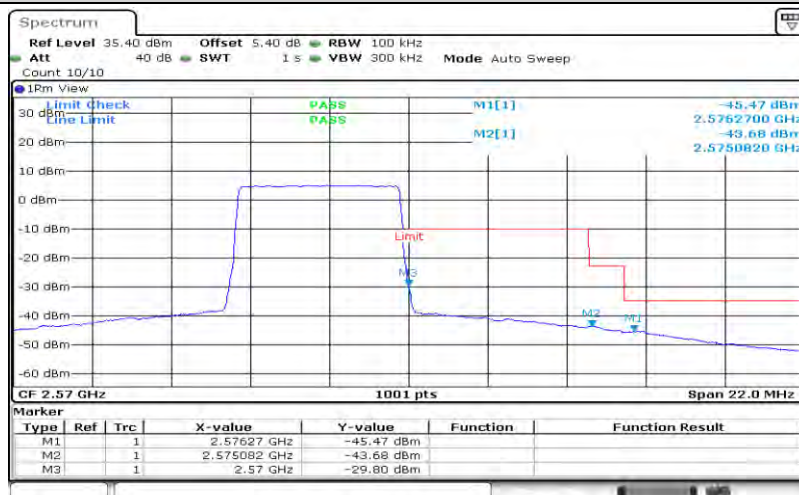
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Band7-5MHz-64QAM-21425-1RB#24



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

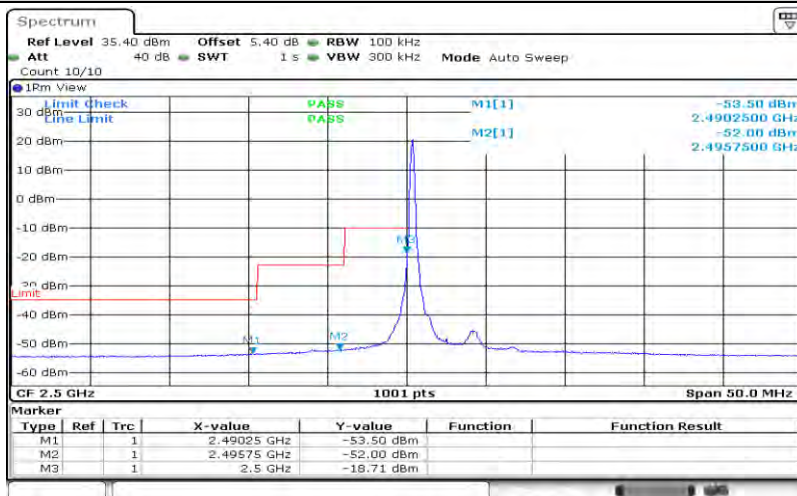


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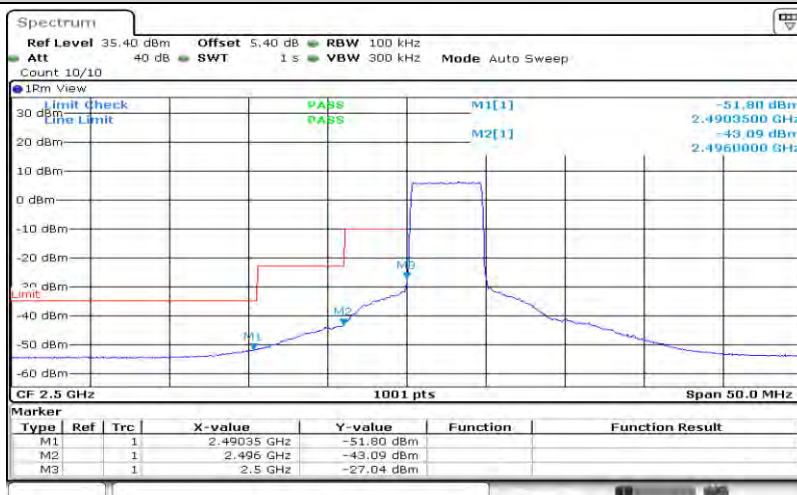


Band7-5MHz-16QAM-20775-1RB#0



Date: 29 MAY 2020 09:32:43

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



Date: 29 MAY 2020 09:34:17

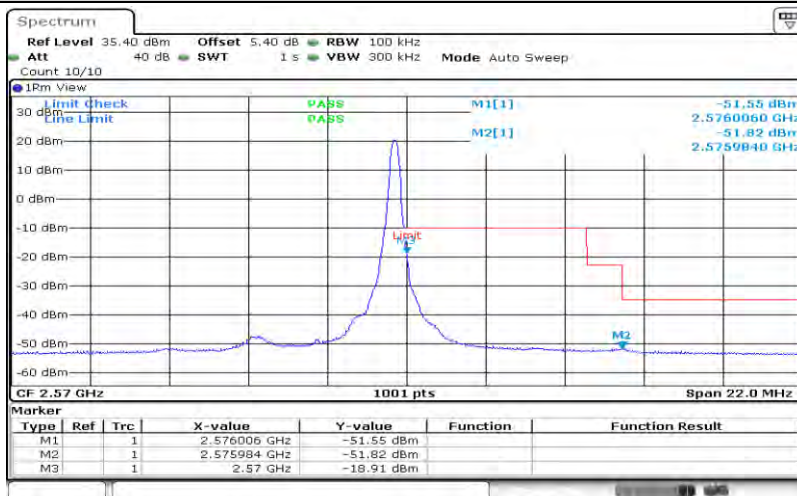


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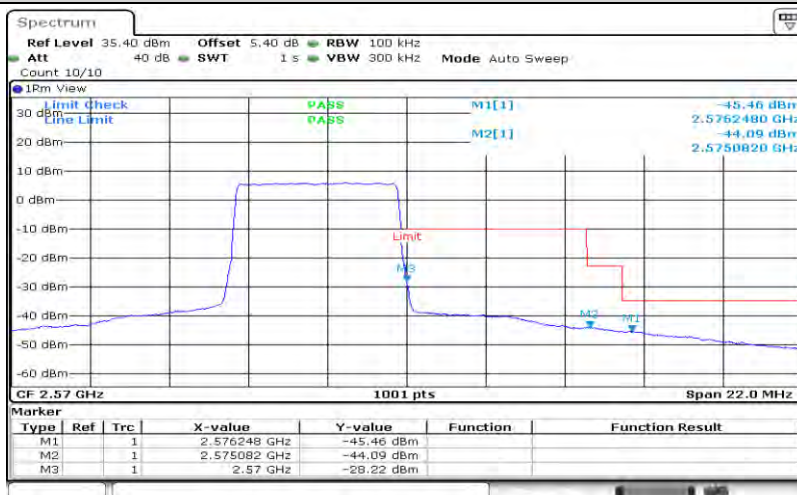


Band7-5MHz-16QAM-21425-1RB#24



Date: 29 MAY 2020 09:33:30

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



Date: 29 MAY 2020 09:35:00

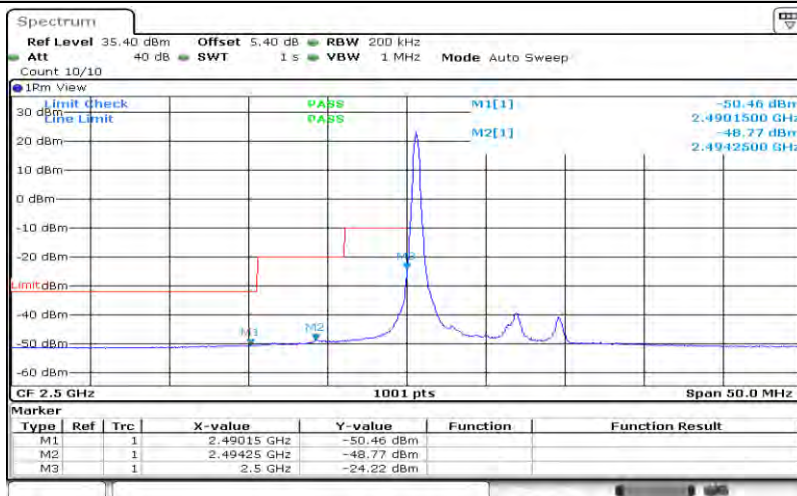


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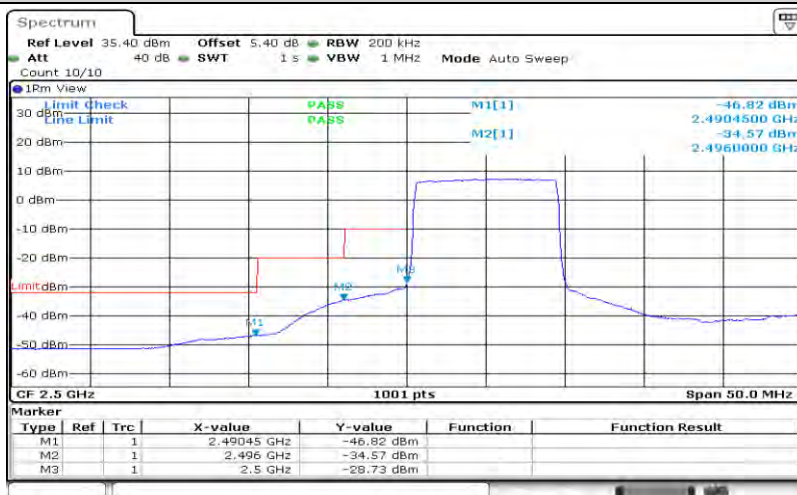


Band7-10MHz-QPSK-20800-1RB#0



Date: 29 MAY 2020 09:35:26

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



Date: 29 MAY 2020 09:37:00

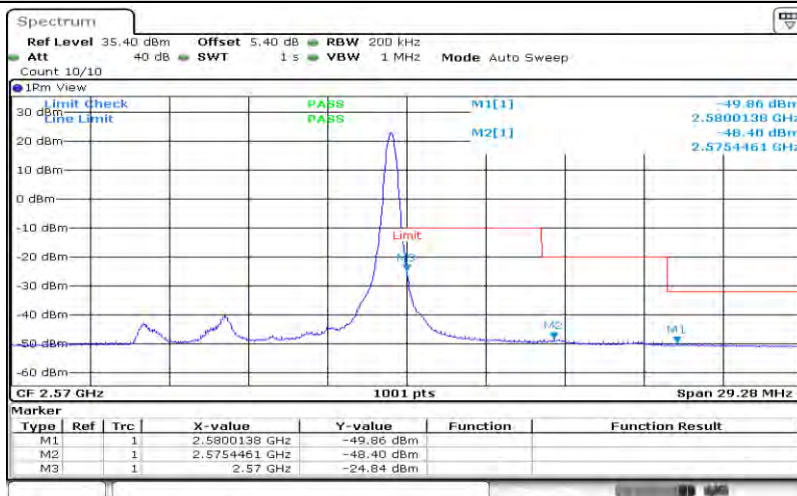


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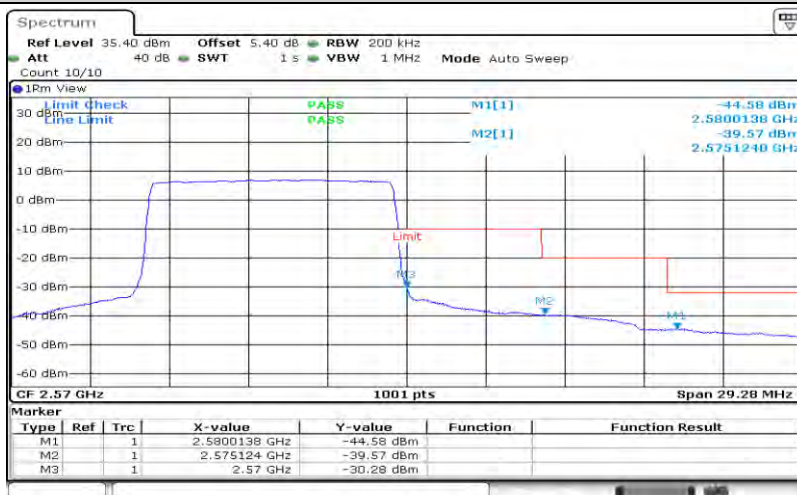


Band7-10MHz-QPSK-21400-1RB#49



Date: 29 MAY 2020 09:36:13

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



Date: 29 MAY 2020 09:37:43

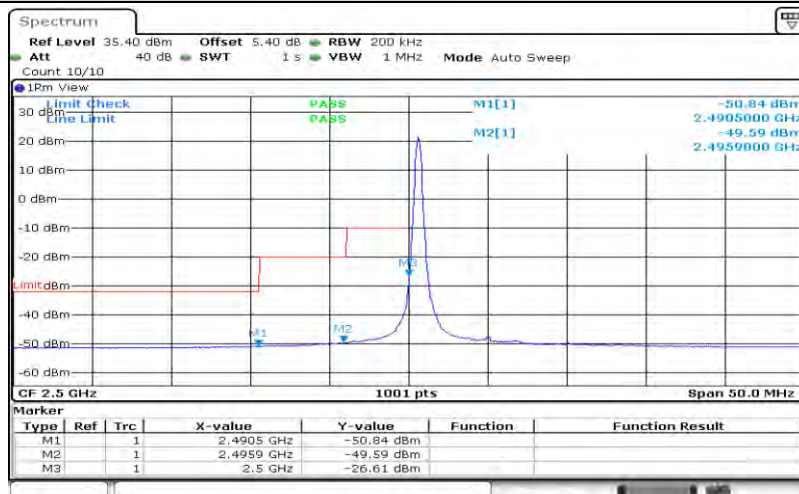


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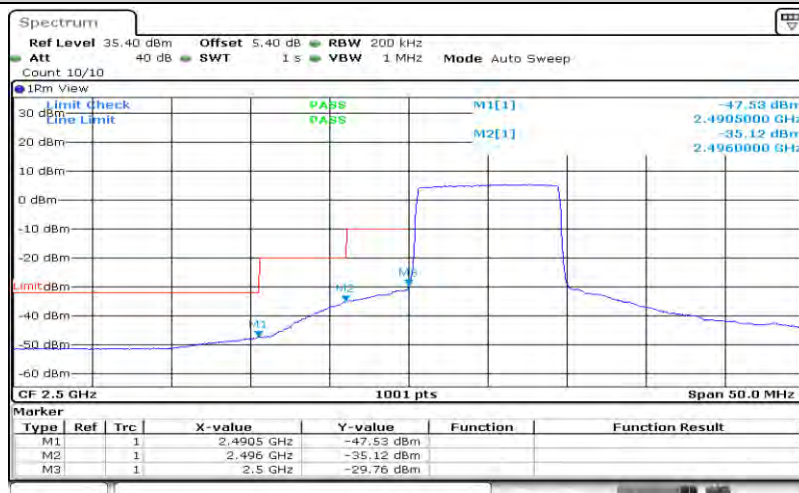


Band7-10MHz-64QAM-20800-1RB#0



Date: 31.MAY 2020 12:43:19

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

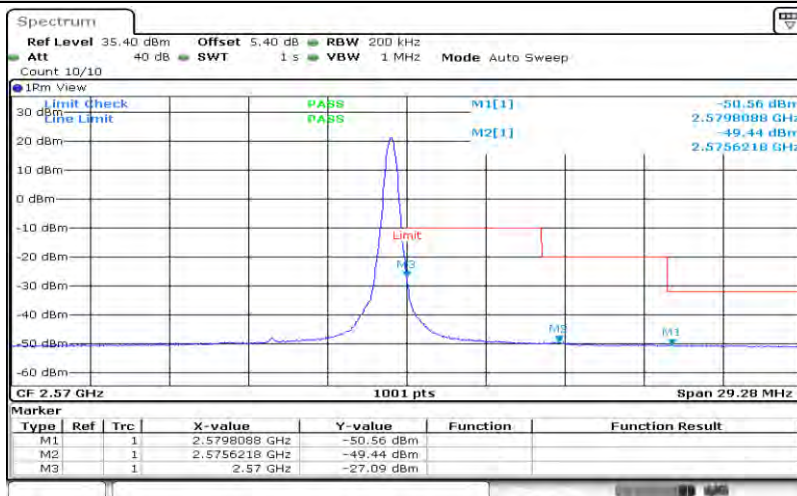


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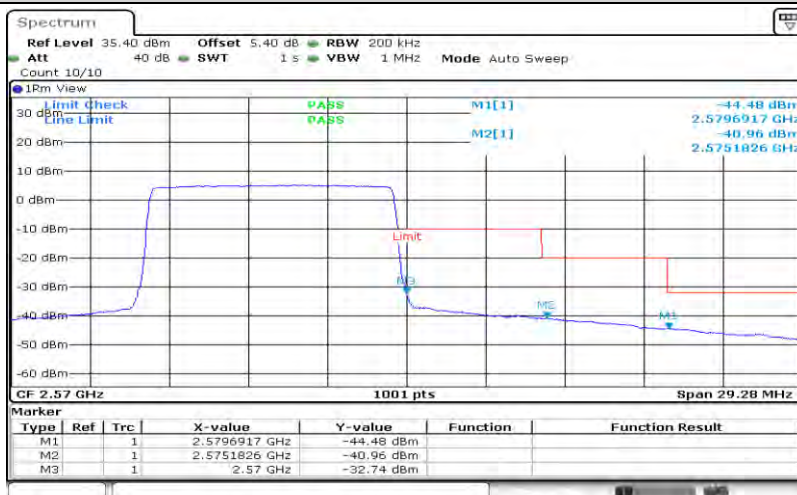




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Band7-10MHz-64QAM-21400-50RB#0

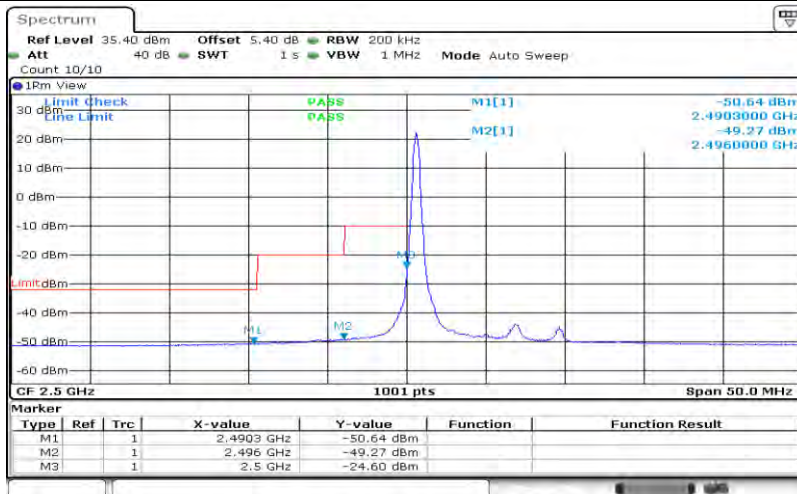


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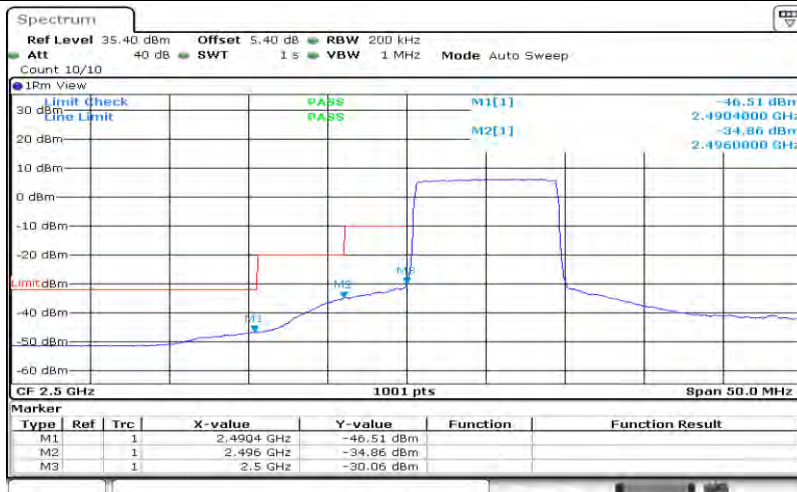


Band7-10MHz-16QAM-20800-1RB#0



Date: 29 MAY 2020 09:35:48

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



Date: 29 MAY 2020 09:37:21



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Shenzhen Branch Laboratory

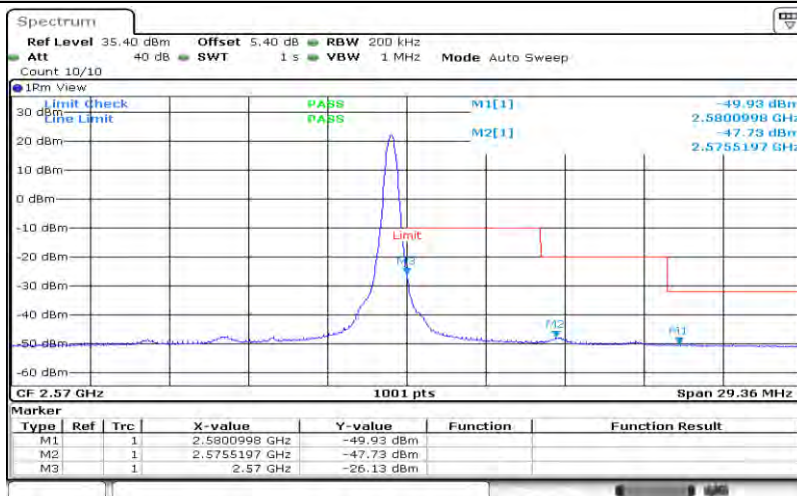
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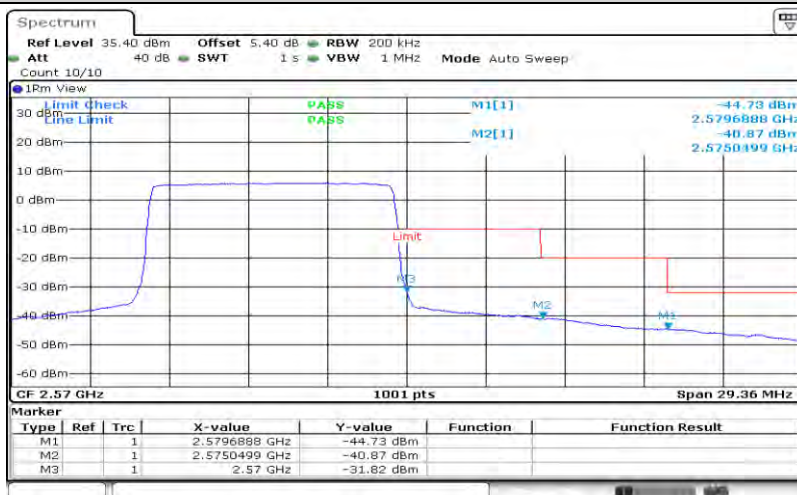


Band7-10MHz-16QAM-21400-1RB#49



Date: 29 MAY 2020 09:36:35

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



Date: 29 MAY 2020 09:38:04



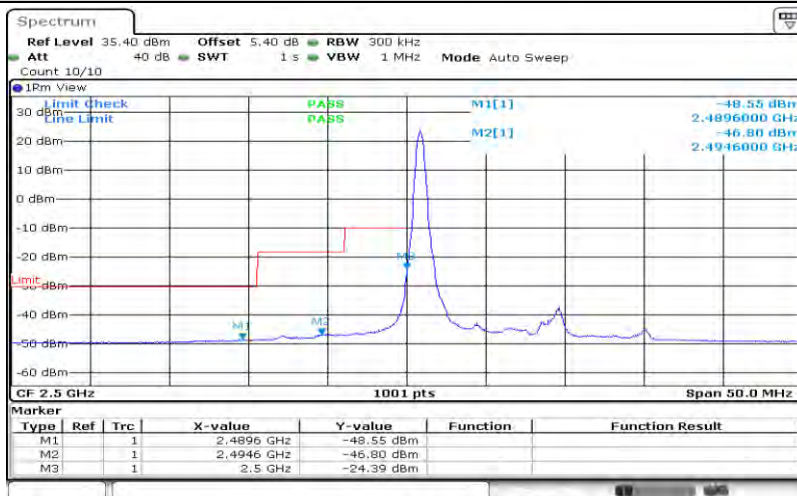
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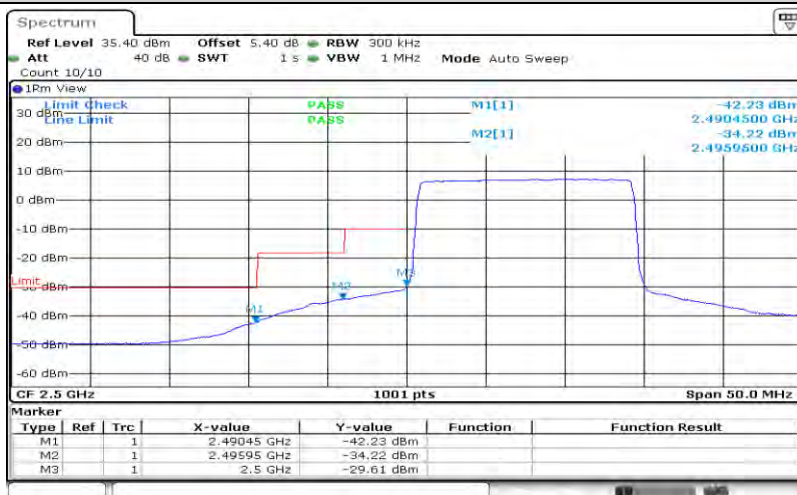


Band7-15MHz-QPSK-20825-1RB#0



Date: 29 MAY 2020 09:38:30

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



Date: 29 MAY 2020 09:40:04

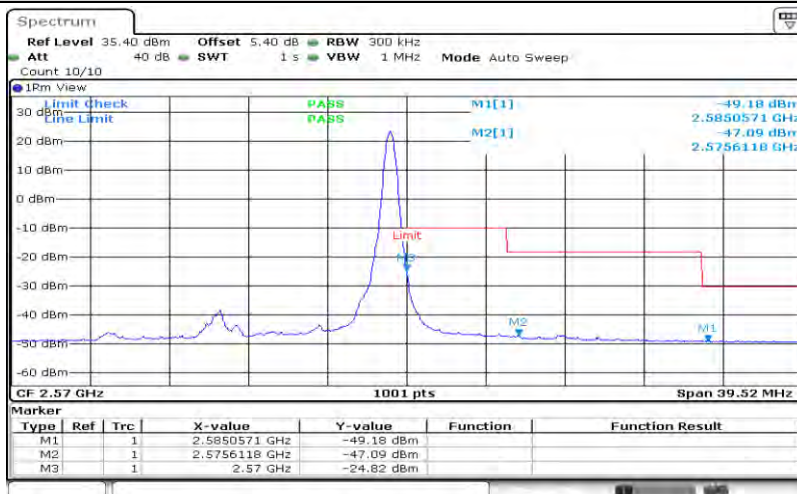


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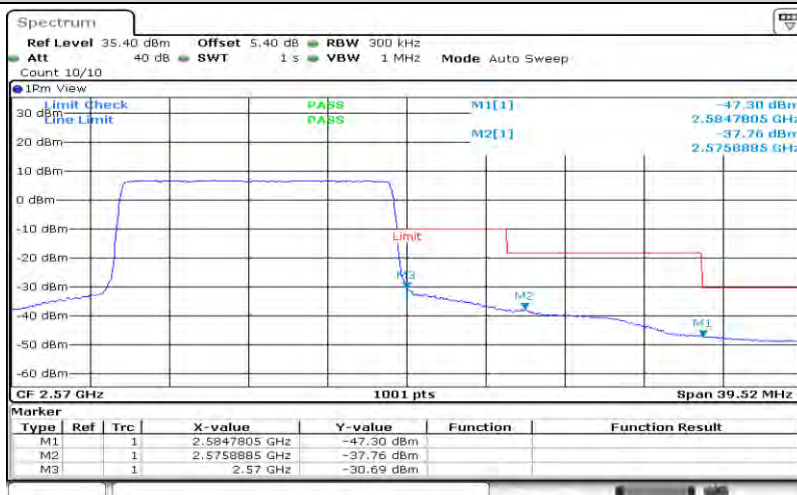


Band7-15MHz-QPSK-21375-1RB#74



Date: 29 MAY 2020 09:39:17

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



Date: 29 MAY 2020 09:40:46

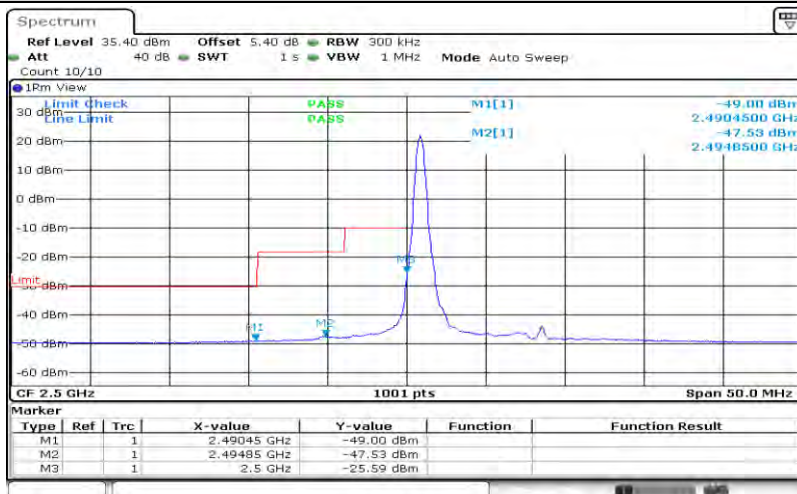


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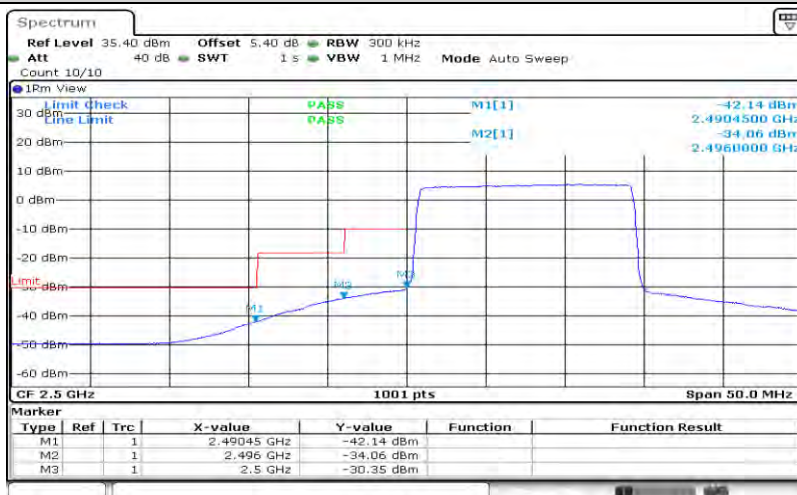


Band7-15MHz-64QAM-20825-1RB#0



Date: 31.MAY.2020 12:45:03

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



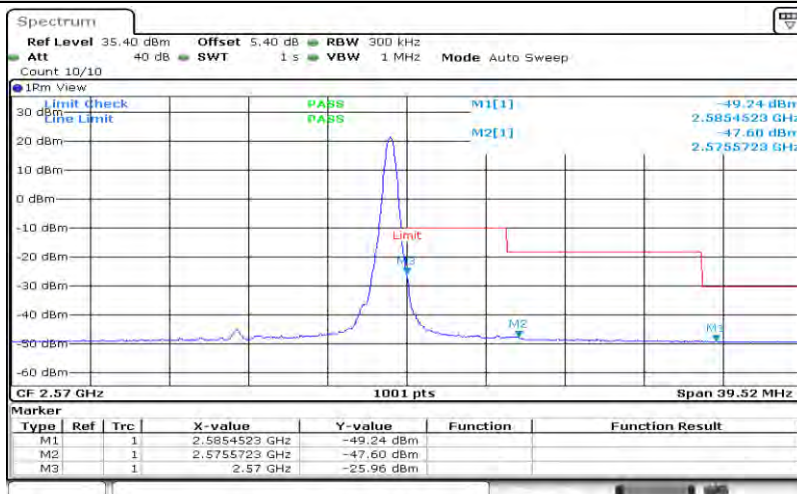
Date: 31.MAY.2020 12:46:03



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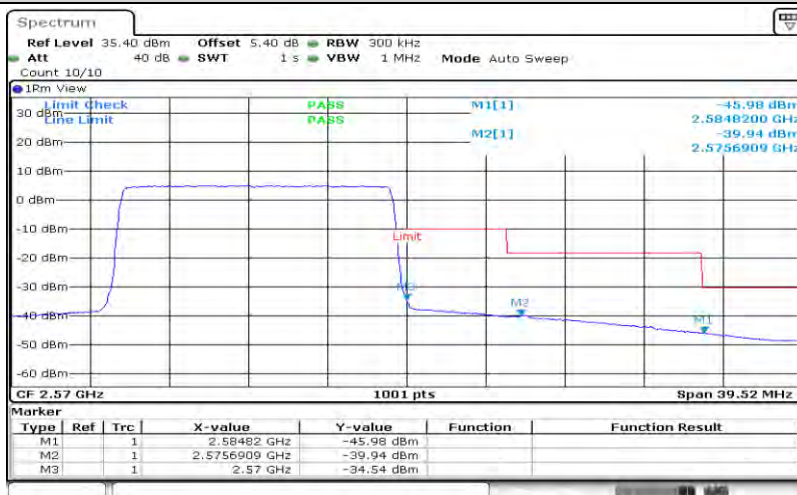
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Band7-15MHz-64QAM-21375-1RB#74



Date: 31 MAY 2020 12:45:37

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



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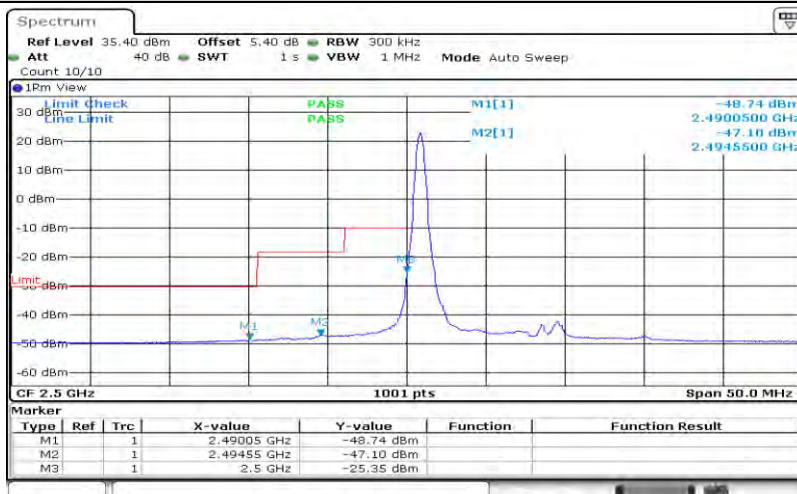
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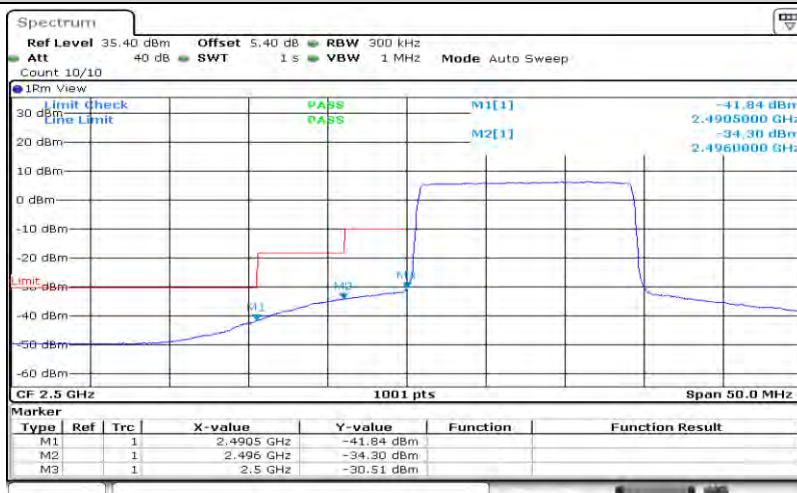


Band7-15MHz-16QAM-20825-1RB#0



Date: 29 MAY 2020 09:38:51

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



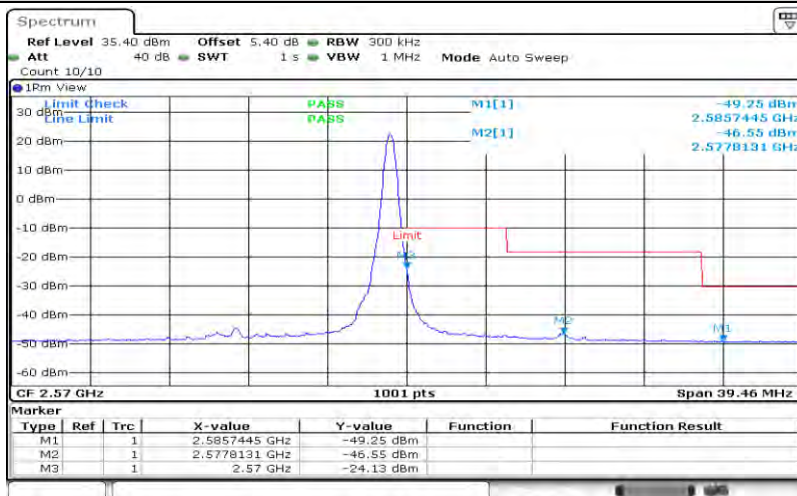
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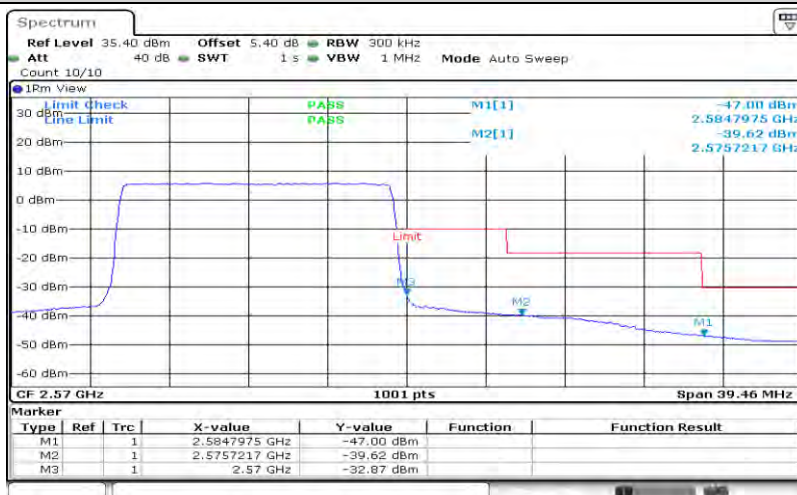
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Band7-15MHz-16QAM-21375-1RB#74



Date: 29 MAY 2020 09:39:38

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



Date: 29 MAY 2020 09:41:07

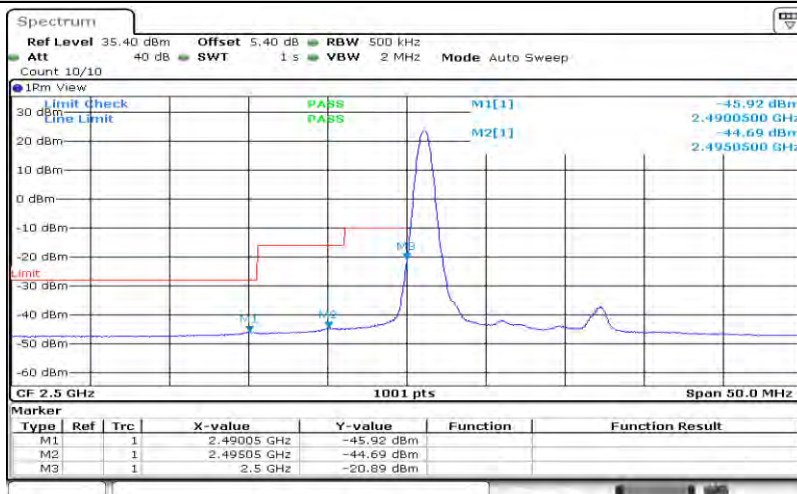


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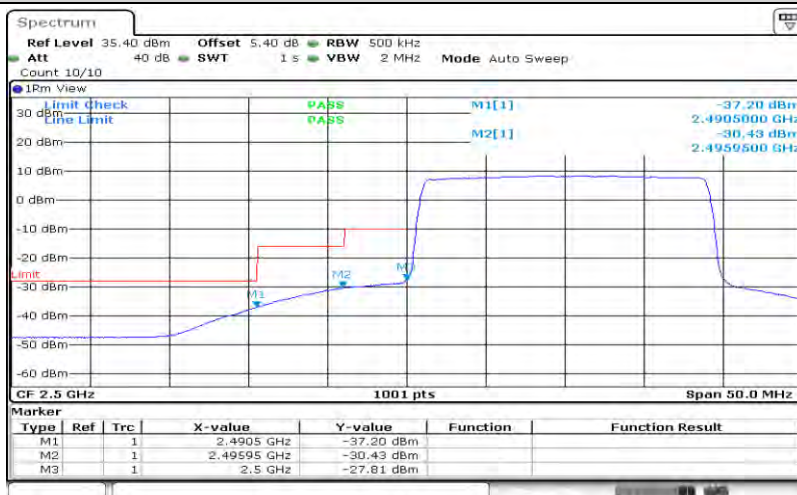


Band7-20MHz-QPSK-20850-1RB#0



Date: 29 MAY 2020 09:41:33

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



Date: 29 MAY 2020 09:43:07



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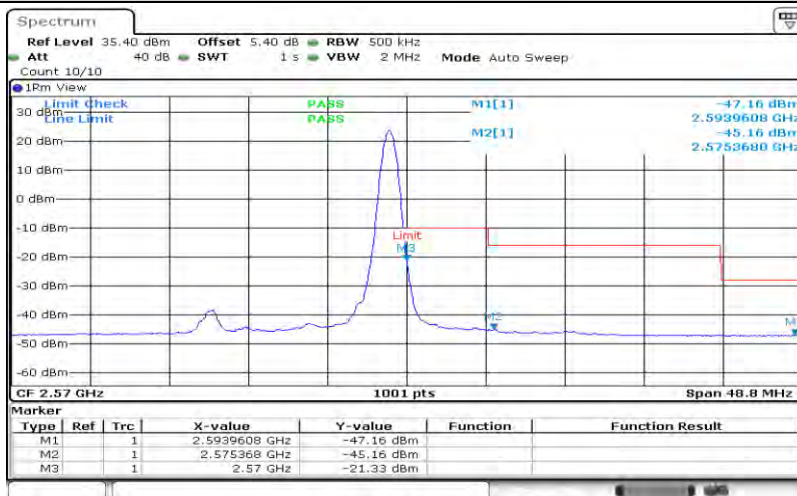
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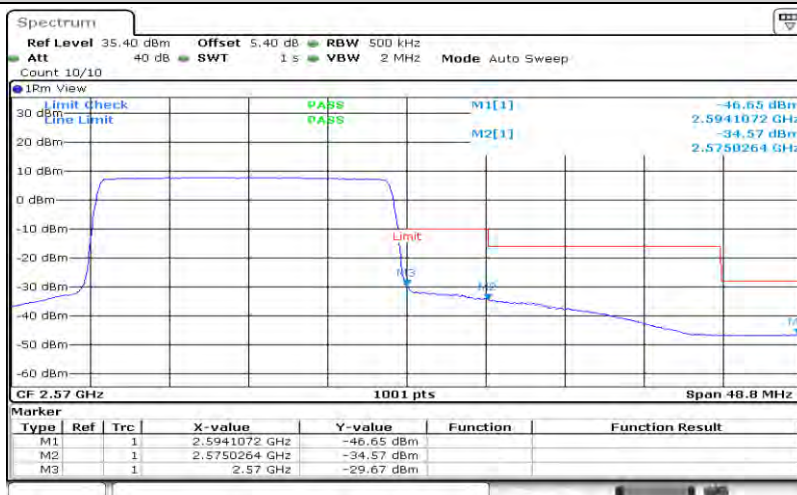


Band7-20MHz-QPSK-21350-1RB#99



Date: 29 MAY 2020 09:42:20

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



Date: 29 MAY 2020 09:43:49

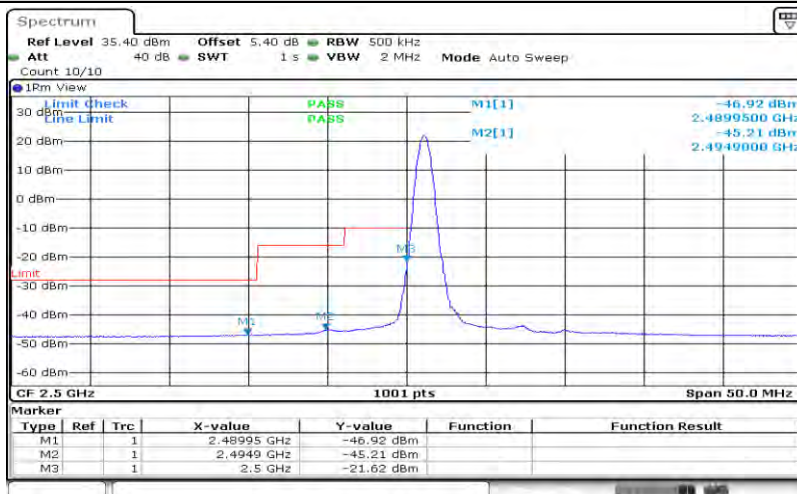


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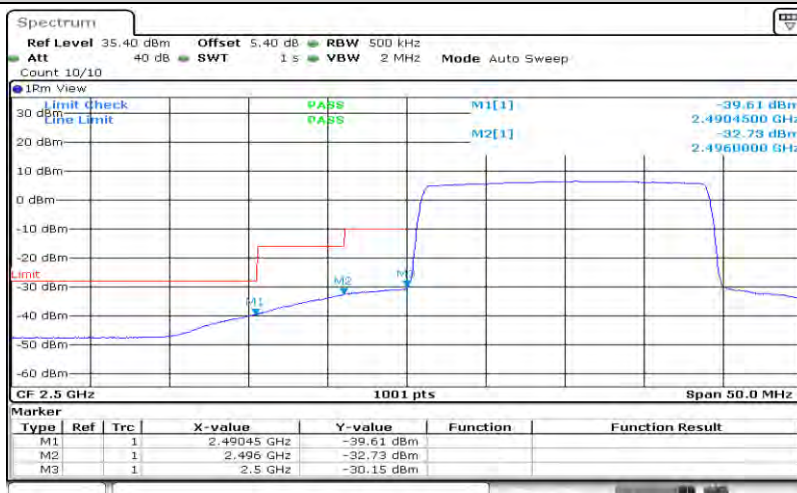


Band7-20MHz-64QAM-20850-1RB#0



Date: 31.MAY 2020 12:46:54

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



Date: 31.MAY 2020 12:47:58

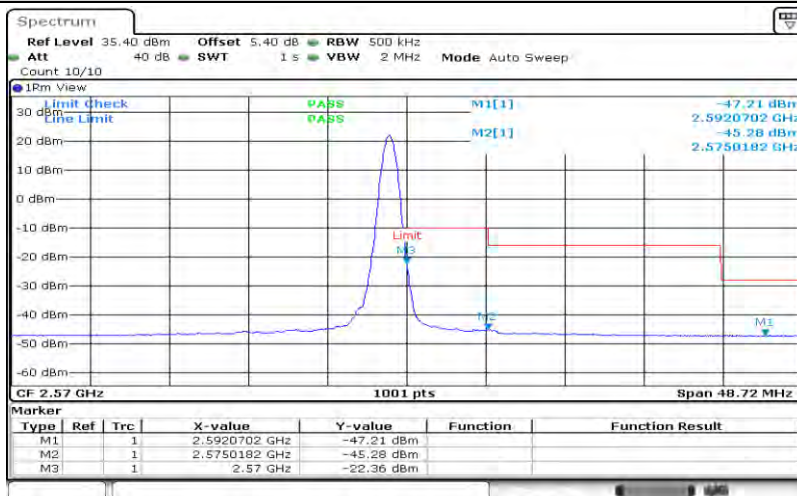


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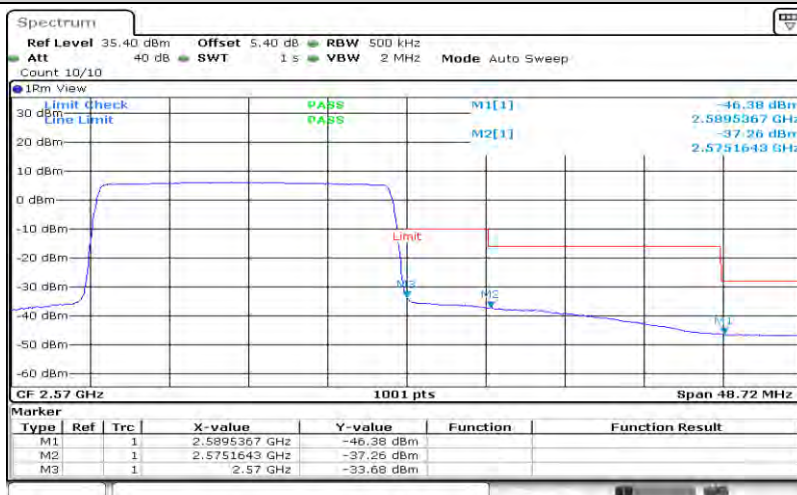


Band7-20MHz-64QAM-21350-1RB#99



Date: 31.MAY 2020 12:47:21

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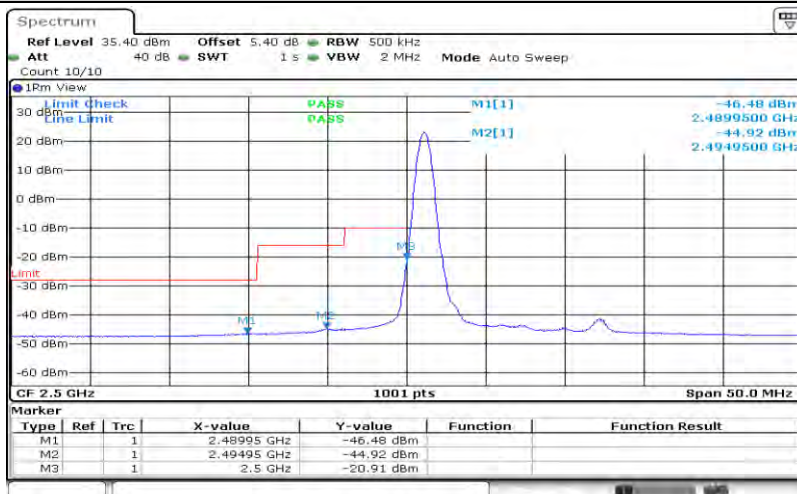


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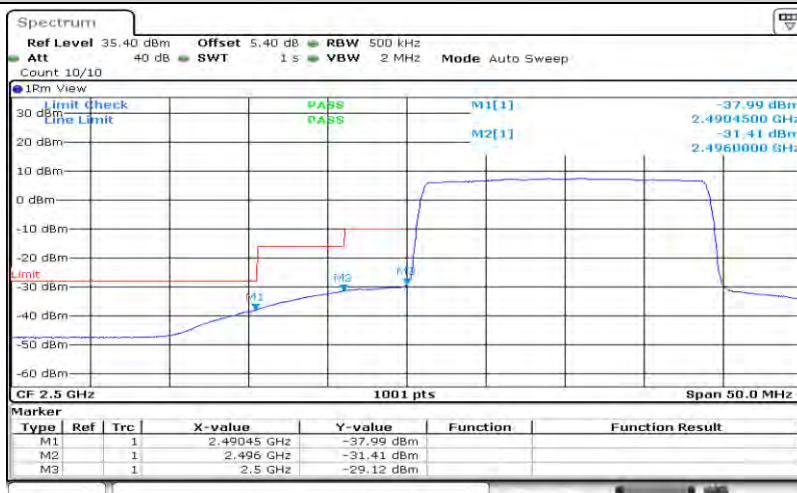


Band7-20MHz-16QAM-20850-1RB#0



Date: 29 MAY 2020 09:41:54

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



Date: 29 MAY 2020 09:43:28



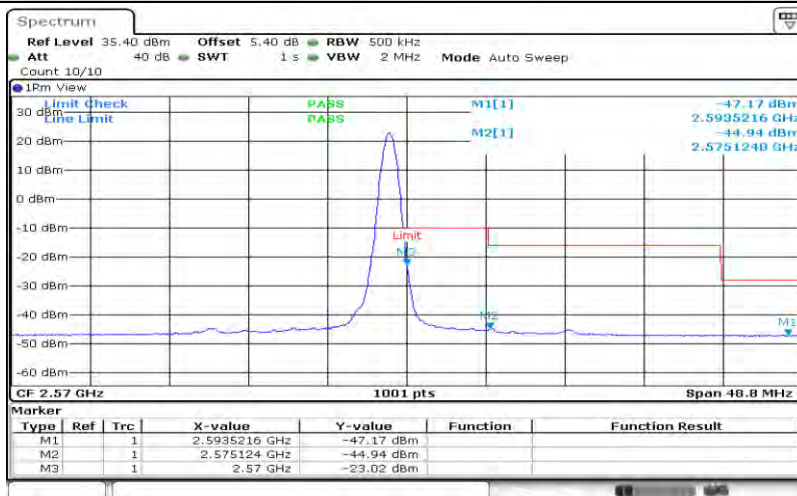
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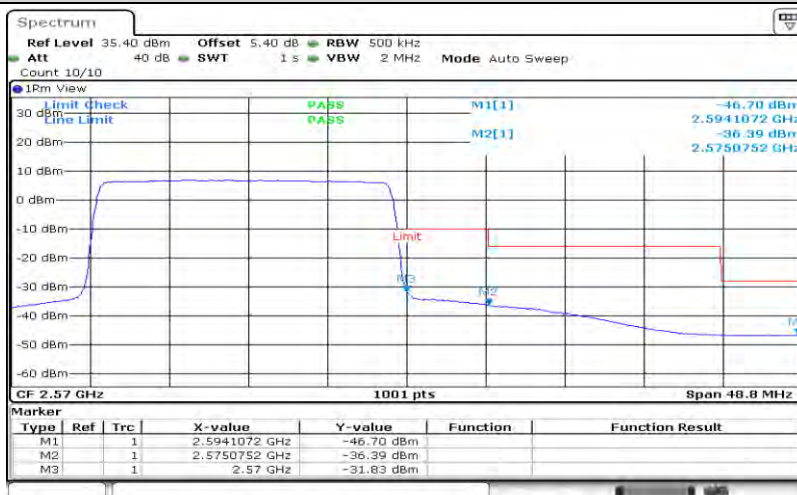


Band7-20MHz-16QAM-21350-1RB#99



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



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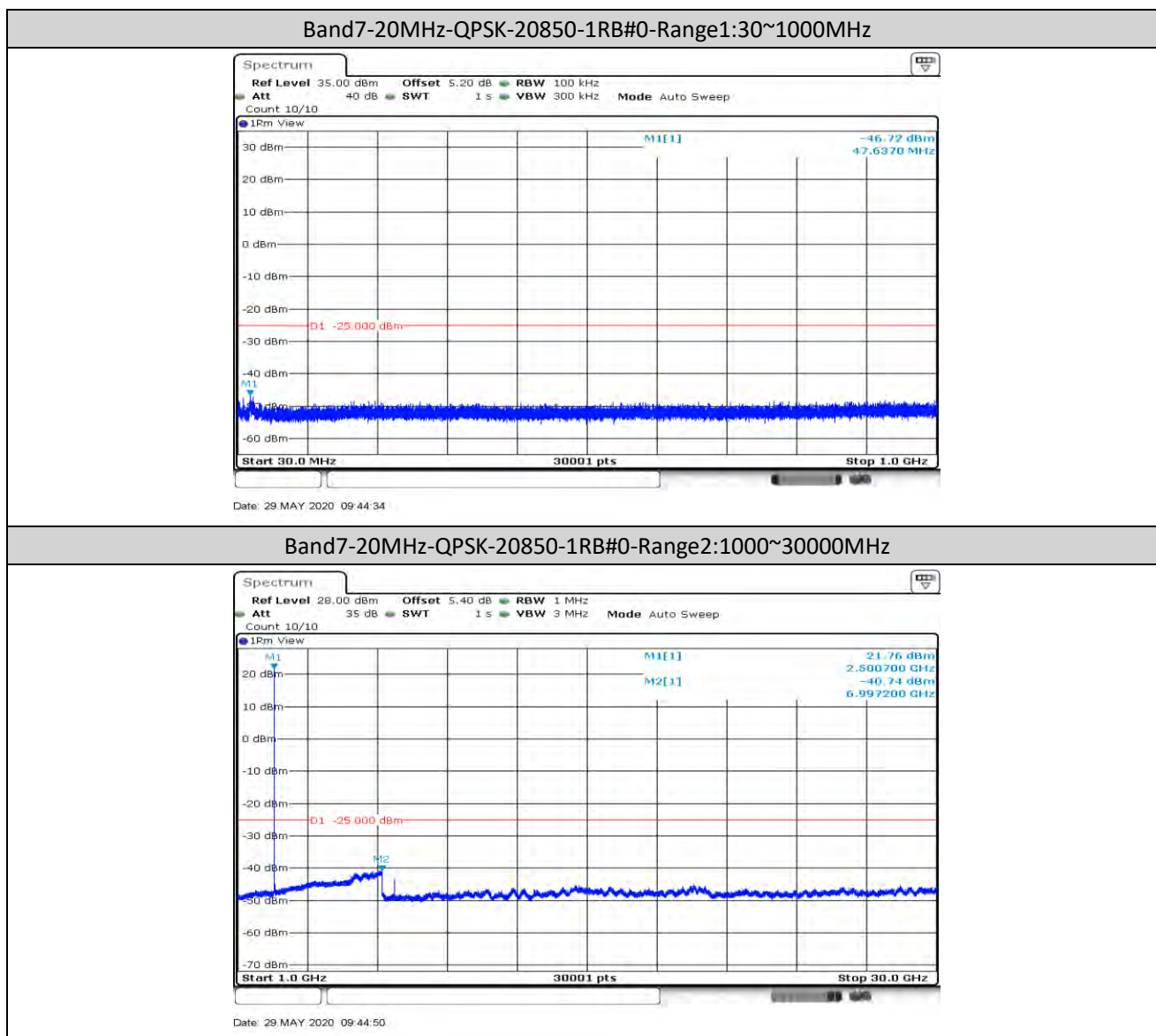
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6. Spurious Emission at Antenna Terminal

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.

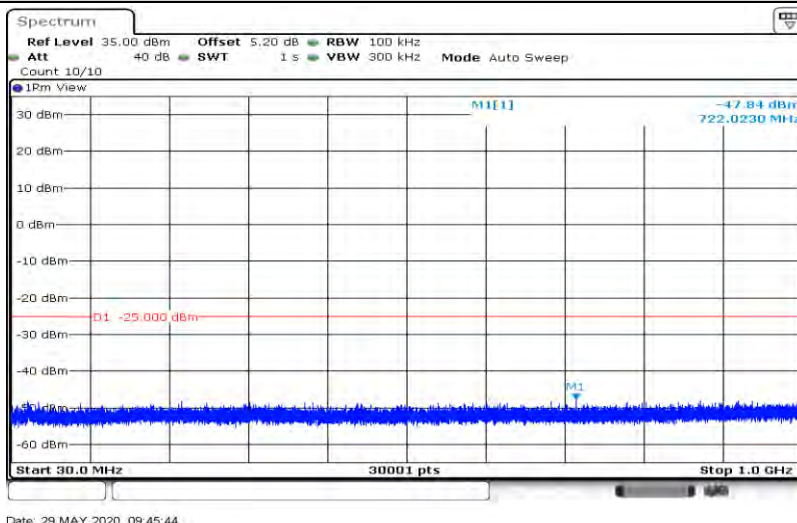
6.1. Test Plots



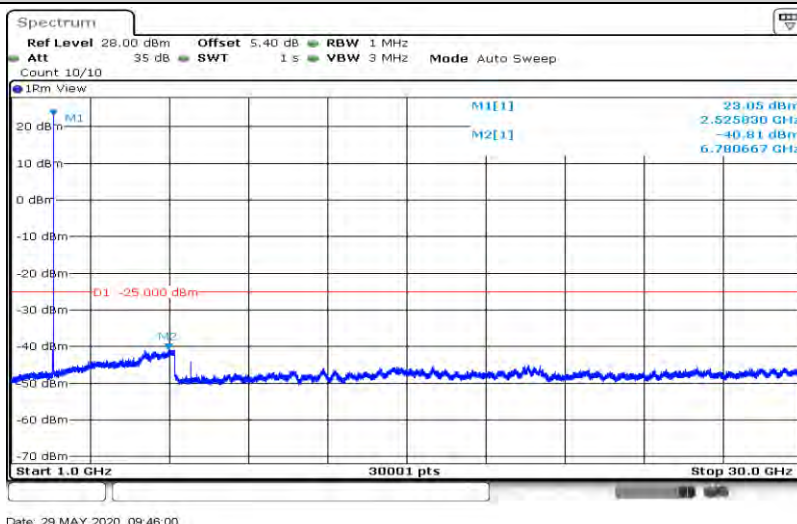
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Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



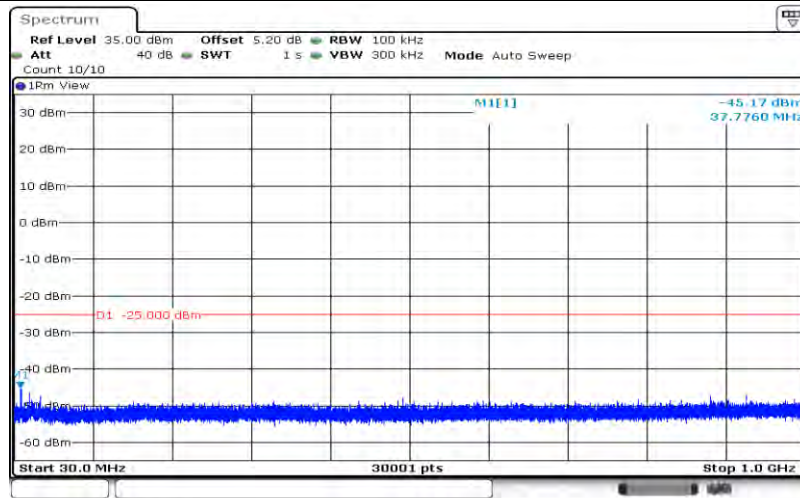
Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~30000MHz



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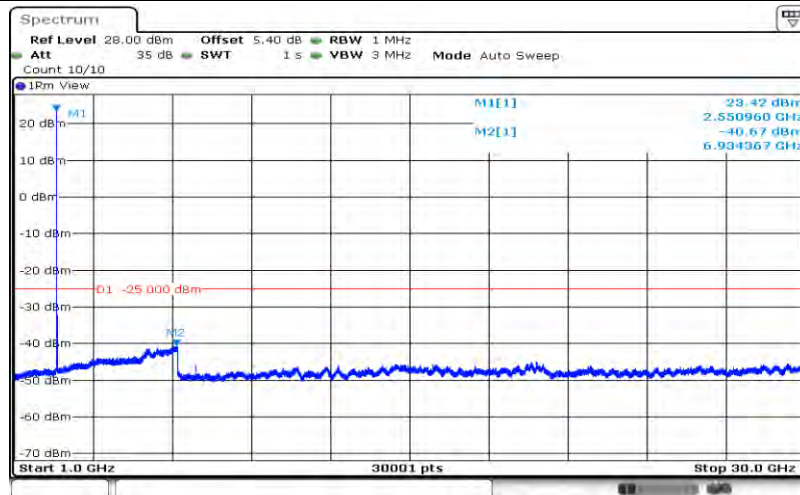
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Band7-20MHz-QPSK-21350-1RB#0-Range1:30~1000MHz



Date: 29 MAY 2020 09:46:56

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

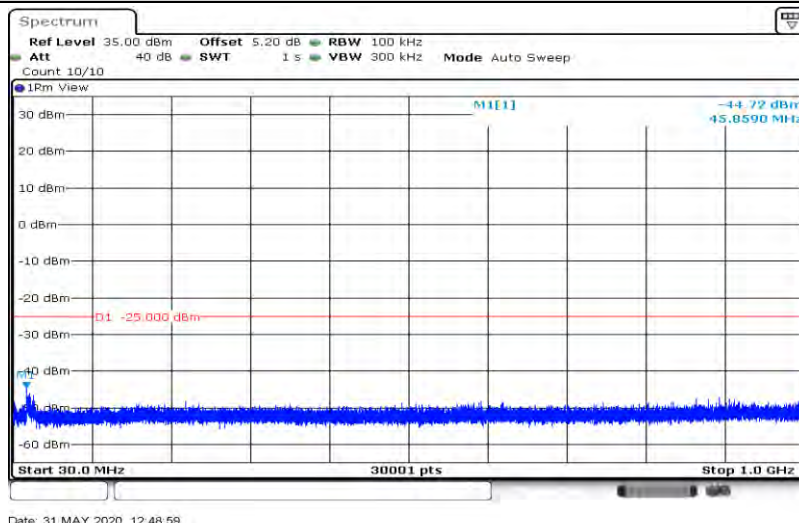


Date: 29 MAY 2020 09:47:12

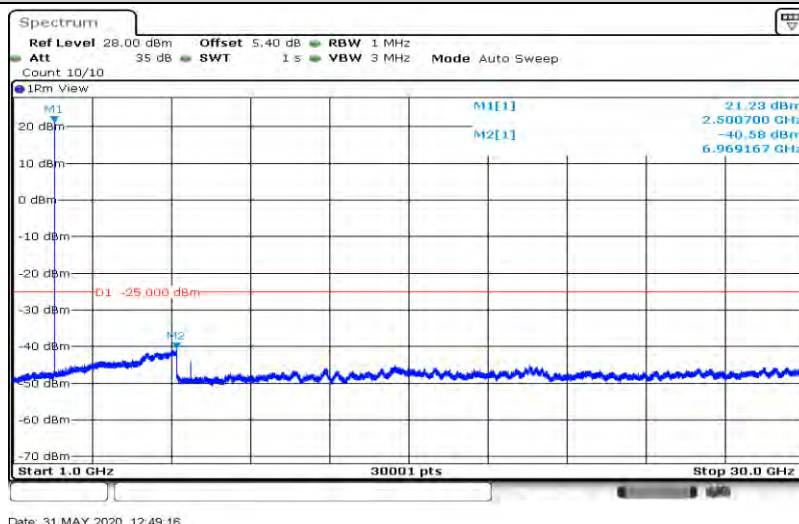


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Band7-20MHz-64QAM-20850-1RB#0-Range1:30~1000MHz

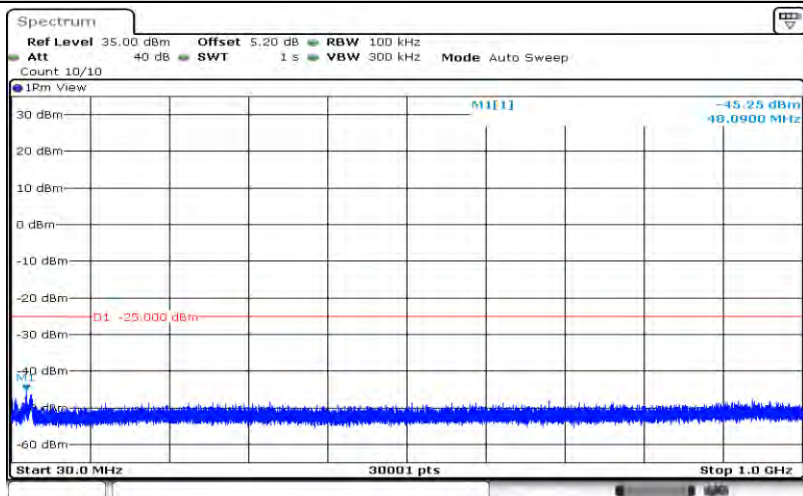


Band7-20MHz-64QAM-20850-1RB#0-Range2:1000~30000MHz



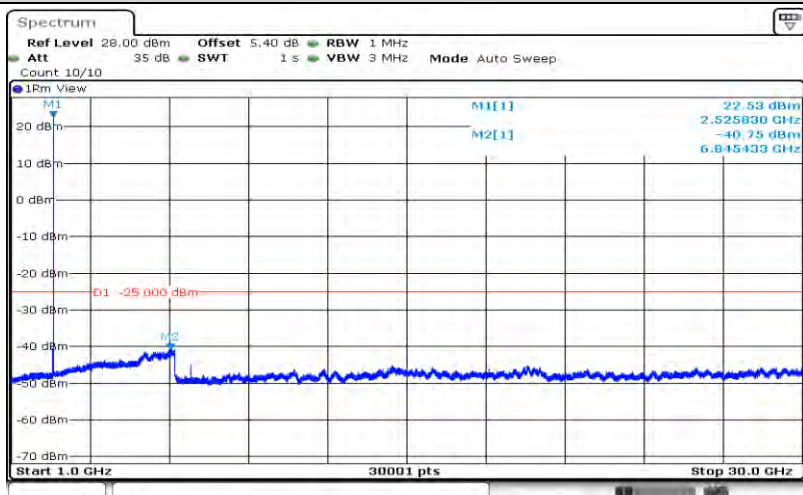
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Band7-20MHz-64QAM-21100-1RB#0-Range1:30~1000MHz



Date: 31.MAY 2020 12:49:35

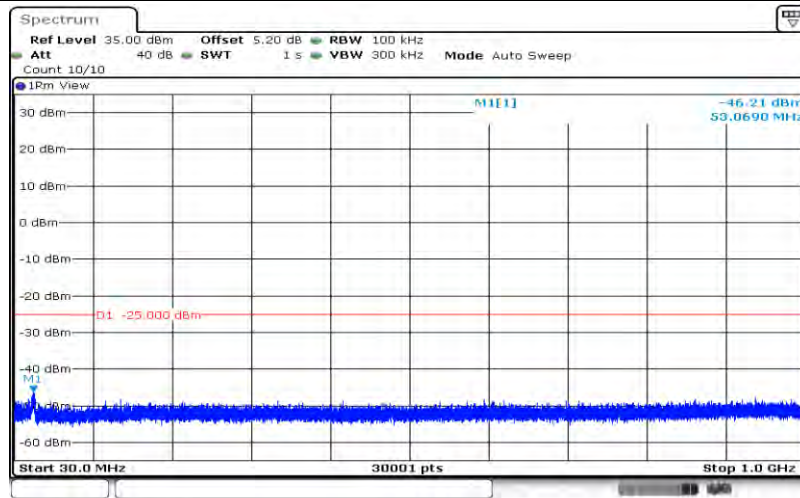
Band7-20MHz-64QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 31.MAY 2020 12:49:51

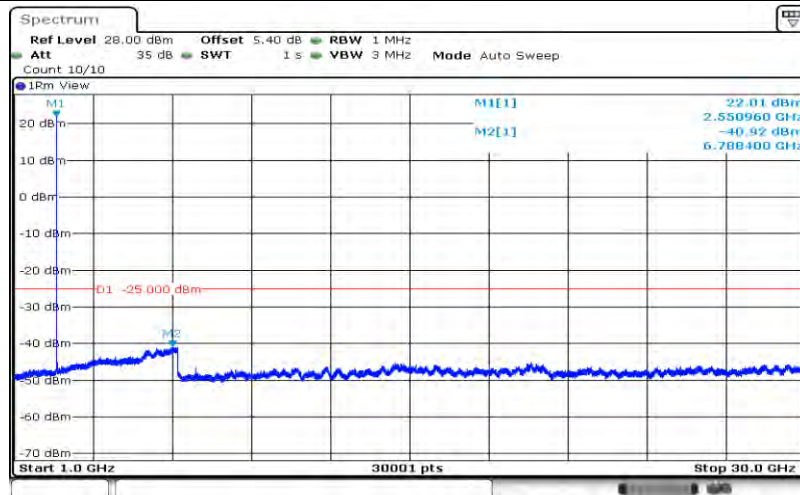


Band7-20MHz-64QAM-21350-1RB#0-Range1:30~1000MHz



Date: 31.MAY 2020 12:50:10

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



Date: 31.MAY 2020 12:50:27

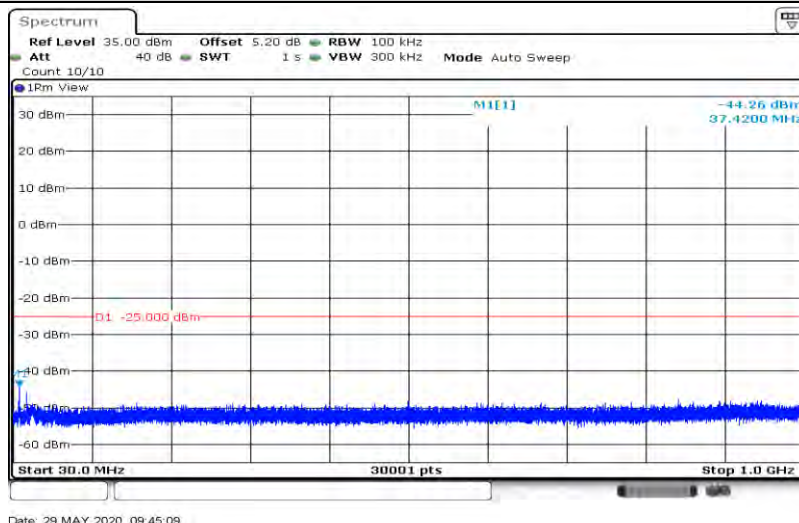


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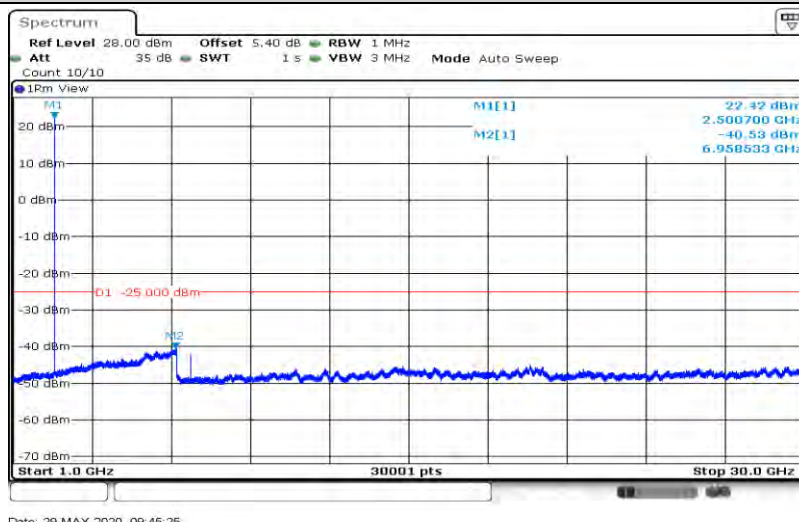


Band7-20MHz-16QAM-20850-1RB#0-Range1:30~1000MHz



Date: 29 MAY 2020 09:45:09

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



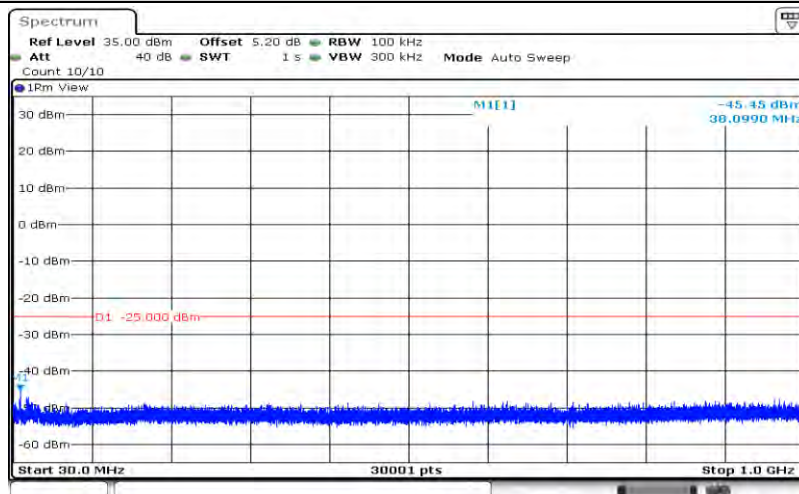
Date: 29 MAY 2020 09:45:25



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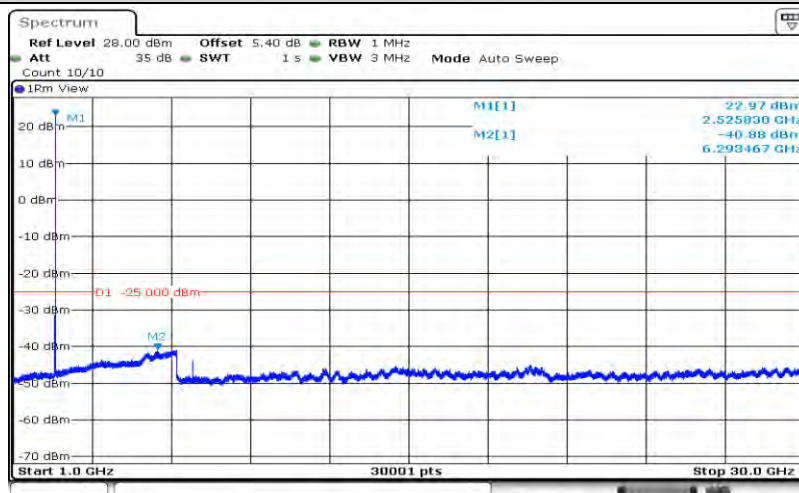
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Band7-20MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



Date: 29 MAY 2020 09:46:19

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



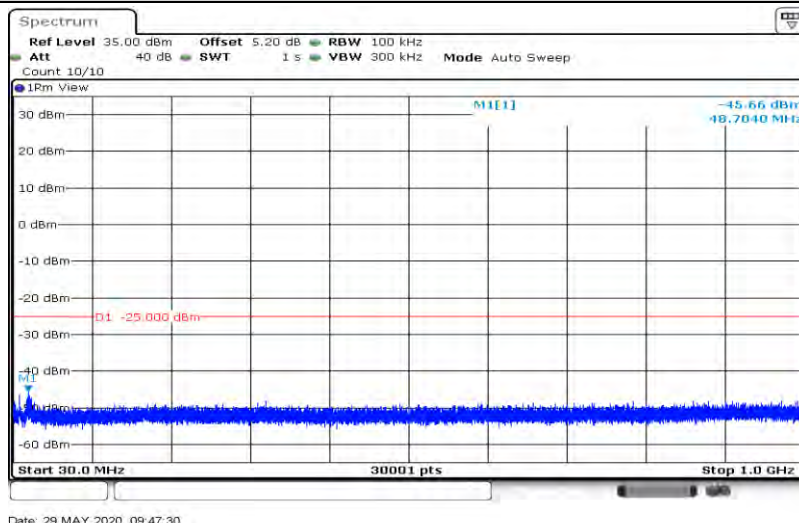
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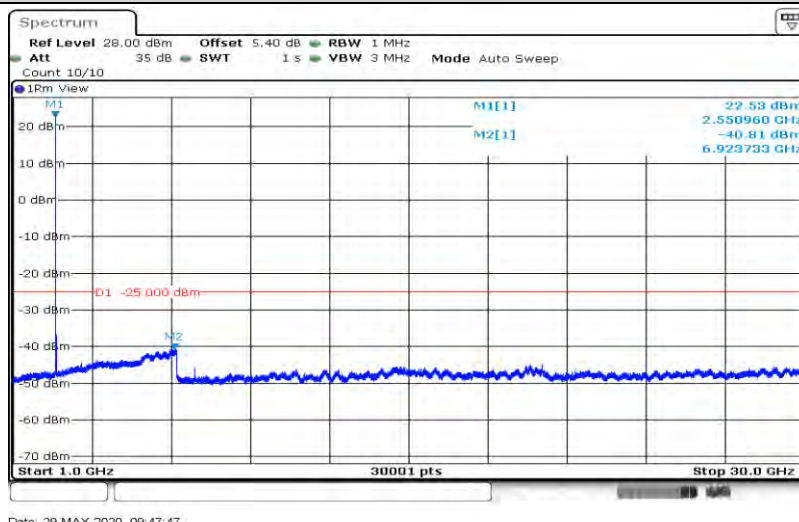
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Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1000MHz



Date: 29 MAY 2020 09:47:30

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



Date: 29 MAY 2020 09:47:47



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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(Down Antenna)

7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
65.650000	-72.15	-25.00	47.15	157	183	Vertical
191.450000	-80.47	-25.00	55.47	277	285	Vertical
931.341667	-75.69	-25.00	50.69	223	86	Vertical
5002.000000	-61.84	-25.00	36.84	237	177	Vertical
7503.200000	-49.38	-25.00	24.38	258	262	Vertical
10090.525000	-62.06	-25.00	37.06	229	117	Vertical
62.900000	-73.81	-25.00	48.81	292	48	Horizontal
191.500000	-68.84	-25.00	43.84	252	159	Horizontal
931.708333	-74.75	-25.00	49.75	183	214	Horizontal
5002.000000	-59.37	-25.00	34.37	182	143	Horizontal
7503.200000	-56.00	-25.00	31.00	206	181	Horizontal
10083.050000	-62.55	-25.00	37.55	158	185	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
65.600000	-72.97	-25.00	47.97	278	266	Vertical
191.650000	-78.93	-25.00	53.93	278	263	Vertical
947.979167	-75.05	-25.00	50.05	152	232	Vertical
5052.050000	-59.73	-25.00	34.73	234	103	Vertical
7578.600000	-47.94	-25.00	22.94	200	82	Vertical
10078.175000	-62.02	-25.00	37.02	168	236	Vertical
62.450000	-74.22	-25.00	49.22	215	113	Horizontal
191.550000	-68.53	-25.00	43.53	182	287	Horizontal
954.854167	-74.81	-25.00	49.81	254	332	Horizontal
5051.725000	-58.29	-25.00	33.29	264	103	Horizontal
7577.950000	-57.59	-25.00	32.59	300	64	Horizontal
10104.175000	-61.48	-25.00	36.48	287	15	Horizontal



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7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
66.300000	-72.77	-25.00	47.77	283	337	Vertical
191.450000	-79.31	-25.00	54.31	150	327	Vertical
974.333333	-75.75	-25.00	50.75	172	306	Vertical
5101.775000	-62.04	-25.00	37.04	238	312	Vertical
7653.025000	-47.57	-25.00	22.57	268	0	Vertical
10079.475000	-62.49	-25.00	37.49	186	177	Vertical
63.900000	-73.53	-25.00	48.53	200	331	Horizontal
191.400000	-68.65	-25.00	43.65	268	273	Horizontal
948.391667	-75.64	-25.00	50.64	256	23	Horizontal
5102.100000	-60.08	-25.00	35.08	214	271	Horizontal
7653.350000	-56.82	-25.00	31.82	189	247	Horizontal
10593.300000	-61.68	-25.00	36.68	175	35	Horizontal

7.1.2. Test Mode = LTE/TM1 20MHz(Up Antenna)

7.1.2.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
65.650000	-71.54	-25.00	46.54	164	42	Vertical
191.550000	-80.70	-25.00	55.70	171	146	Vertical
924.833333	-75.55	-25.00	50.55	201	263	Vertical
5049.775000	-65.08	-25.00	40.08	241	317	Vertical
7503.525000	-63.39	-25.00	38.39	191	324	Vertical
10004.075000	-62.18	-25.00	37.18	213	156	Vertical
62.000000	-73.79	-25.00	48.79	278	253	Horizontal
191.500000	-69.89	-25.00	44.89	173	50	Horizontal
946.833333	-75.05	-25.00	50.05	259	92	Horizontal
5094.300000	-65.03	-25.00	40.03	232	151	Horizontal
7536.675000	-63.58	-25.00	38.58	165	286	Horizontal
10004.400000	-61.74	-25.00	36.74	253	21	Horizontal



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7.1.2.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
71.900000	-72.54	-25.00	47.54	246	52	Vertical
191.550000	-80.36	-25.00	55.36	248	62	Vertical
952.425000	-75.15	-25.00	50.15	269	132	Vertical
5012.400000	-64.58	-25.00	39.58	178	245	Vertical
7720.300000	-62.64	-25.00	37.64	161	337	Vertical
10104.500000	-60.87	-25.00	35.87	203	97	Vertical
63.600000	-73.43	-25.00	48.43	164	237	Horizontal
191.500000	-70.23	-25.00	45.23	252	347	Horizontal
937.162500	-75.51	-25.00	50.51	257	348	Horizontal
5078.700000	-65.25	-25.00	40.25	186	59	Horizontal
7743.050000	-62.85	-25.00	37.85	214	87	Horizontal
10104.500000	-61.06	-25.00	36.06	154	58	Horizontal

7.1.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
65.050000	-72.56	-25.00	47.56	234	177	Vertical
191.500000	-81.09	-25.00	56.09	163	315	Vertical
958.658333	-74.94	-25.00	49.94	177	166	Vertical
5173.600000	-65.98	-25.00	40.98	295	275	Vertical
7878.900000	-62.50	-25.00	37.50	157	215	Vertical
10629.050000	-61.20	-25.00	36.20	286	16	Vertical
62.850000	-74.12	-25.00	49.12	270	358	Horizontal
191.450000	-69.78	-25.00	44.78	189	280	Horizontal
953.250000	-75.21	-25.00	50.21	152	298	Horizontal
5157.350000	-65.12	-25.00	40.12	296	243	Horizontal
7524.325000	-63.23	-25.00	38.23	263	214	Horizontal
10099.950000	-62.27	-25.00	37.27	233	94	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	-15.60	-0.006215	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	-4.70	-0.001873	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	-16.40	-0.006534	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	4.10	0.001617	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	4.80	0.001893	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-5.70	-0.002249	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	-6.40	-0.002500	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-9.60	-0.003750	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-9.70	-0.003789	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VL	NT	-10.90	-0.004343	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VN	NT	-6.10	-0.002430	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VH	NT	-15.10	-0.006016	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VL	NT	4.40	0.001736	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VN	NT	-8.90	-0.003511	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VH	NT	-1.10	-0.000434	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VL	NT	-8.80	-0.003438	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VN	NT	-3.30	-0.001289	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VH	NT	-7.70	-0.003008	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	-11.70	-0.004661	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	-17.60	-0.007012	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	-17.20	-0.006853	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	2.60	0.001026	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-6.40	-0.002525	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-2.00	-0.000789	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	-2.50	-0.000977	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	1.70	0.000664	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	1.40	0.000547	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
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Band7	20MHz	QPSK	20850	100RB#0	NV	-30	-12.40	-0.004940	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-3.60	-0.001434	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	-10.00	-0.003984	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-15.70	-0.006255	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	-18.80	-0.007490	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	-5.30	-0.002112	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	-8.20	-0.003267	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	-11.60	-0.004622	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-0.50	-0.000197	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	1.90	0.000750	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	3.40	0.001341	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	5.20	0.002051	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	5.90	0.002327	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	8.00	0.003156	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-11.60	-0.004576	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-9.40	-0.003708	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-10.70	-0.004180	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	5.20	0.002031	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-1.10	-0.000430	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-6.10	-0.002383	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	0.20	0.000078	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	-8.70	-0.003398	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	1.20	0.000469	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-5.60	-0.002188	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-30	-16.80	-0.006693	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-20	-19.70	-0.007849	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	0	-2.60	-0.001036	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	10	-4.70	-0.001873	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	20	-6.40	-0.002550	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	30	-7.90	-0.003147	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	40	-11.00	-0.004382	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	50	-16.80	-0.006693	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-30	-6.30	-0.002485	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-20	-2.50	-0.000986	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	0	-2.40	-0.000947	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	10	-3.60	-0.001420	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	20	-5.10	-0.002012	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	30	-7.50	-0.002959	±2.5	PASS



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Band7	20MHz	64QAM	21100	100RB#0	NV	40	-11.70	-0.004615	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	50	6.30	0.002485	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-30	-0.40	-0.000156	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-20	-8.20	-0.003203	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	0	5.80	0.002266	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	10	3.70	0.001445	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	20	4.40	0.001719	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	30	3.70	0.001445	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	40	1.40	0.000547	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	50	-2.10	-0.000820	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	-4.60	-0.001833	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	-13.10	-0.005219	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	-3.70	-0.001474	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	-13.70	-0.005458	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	-7.50	-0.002988	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	30	-1.90	-0.000757	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	-16.60	-0.006614	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	-12.30	-0.004900	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	-7.30	-0.002880	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	5.10	0.002012	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-3.30	-0.001302	±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	20	-6.60	-0.002604	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	0.10	0.000039	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	5.40	0.002130	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	-8.90	-0.003511	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	-4.10	-0.001602	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	6.80	0.002656	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	-0.80	-0.000313	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	7.70	0.003008	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	-3.80	-0.001484	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	0.90	0.000352	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	4.30	0.001680	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	7.60	0.002969	±2.5	PASS



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