



# Appendix B

## E-UTRA Band 7



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# 1 Effective (Isotropic) Radiated Power

## 1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.98	20.73	30.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.04	20.79	30.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.85	20.60	30.00	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.04	19.79	30.00	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.13	19.88	30.00	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.09	19.84	30.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.14	19.89	30.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.91	20.66	30.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.98	20.73	30.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.84	20.59	30.00	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.91	19.66	30.00	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.99	19.74	30.00	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.92	19.67	30.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.84	19.59	30.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.00	20.75	30.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.11	20.86	30.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.01	20.76	30.00	PASS
Band7	5MHz	QPSK	21425	12RB#13	22.08	19.83	30.00	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.18	19.93	30.00	PASS
Band7	5MHz	QPSK	21425	12RB#0	22.12	19.87	30.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.11	19.86	30.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	21.06	18.81	30.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	21.41	19.16	30.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	21.15	18.90	30.00	PASS
Band7	5MHz	64QAM	20775	12RB#0	19.94	17.69	30.00	PASS
Band7	5MHz	64QAM	20775	12RB#6	20.05	17.80	30.00	PASS
Band7	5MHz	64QAM	20775	12RB#13	19.95	17.70	30.00	PASS
Band7	5MHz	64QAM	20775	25RB#0	20.01	17.76	30.00	PASS



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Band7	5MHz	64QAM	21100	1RB#0	20.85	18.60	30.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	21.14	18.89	30.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	20.86	18.61	30.00	PASS
Band7	5MHz	64QAM	21100	12RB#13	19.69	17.44	30.00	PASS
Band7	5MHz	64QAM	21100	12RB#6	19.91	17.66	30.00	PASS
Band7	5MHz	64QAM	21100	12RB#0	20.02	17.77	30.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	19.97	17.72	30.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	21.62	19.37	30.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	21.19	18.94	30.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	21.23	18.98	30.00	PASS
Band7	5MHz	64QAM	21425	12RB#0	20.03	17.78	30.00	PASS
Band7	5MHz	64QAM	21425	12RB#6	20.06	17.81	30.00	PASS
Band7	5MHz	64QAM	21425	12RB#13	20.08	17.83	30.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	20.13	17.88	30.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.20	19.95	30.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.50	20.25	30.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.22	19.97	30.00	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.99	18.74	30.00	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.20	18.95	30.00	PASS
Band7	5MHz	16QAM	20775	12RB#0	21.07	18.82	30.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.07	18.82	30.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.96	19.71	30.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.22	19.97	30.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.98	19.73	30.00	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.83	18.58	30.00	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.01	18.76	30.00	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.11	18.86	30.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.08	18.83	30.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.70	20.45	30.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.30	20.05	30.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.30	20.05	30.00	PASS
Band7	5MHz	16QAM	21425	12RB#0	21.10	18.85	30.00	PASS
Band7	5MHz	16QAM	21425	12RB#6	21.21	18.96	30.00	PASS



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Band7	5MHz	16QAM	21425	12RB#13	21.14	18.89	30.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.25	19.00	30.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.08	20.83	30.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.16	20.91	30.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.99	20.74	30.00	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.08	19.83	30.00	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.99	19.74	30.00	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.08	19.83	30.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.09	19.84	30.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.78	20.53	30.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.09	20.84	30.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.89	20.64	30.00	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.03	19.78	30.00	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.97	19.72	30.00	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.00	19.75	30.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.08	19.83	30.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.03	20.78	30.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.29	21.04	30.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.95	20.70	30.00	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.13	19.88	30.00	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.15	19.90	30.00	PASS
Band7	10MHz	QPSK	21400	25RB#12	22.06	19.81	30.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.12	19.87	30.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	21.70	19.45	30.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	20.92	18.67	30.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	21.36	19.11	30.00	PASS
Band7	10MHz	64QAM	20800	25RB#0	20.06	17.81	30.00	PASS
Band7	10MHz	64QAM	20800	25RB#12	19.96	17.71	30.00	PASS
Band7	10MHz	64QAM	20800	25RB#25	20.01	17.76	30.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	20.07	17.82	30.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	20.95	18.70	30.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	21.19	18.94	30.00	PASS
Band7	10MHz	64QAM	21100	1RB#24	21.45	19.20	30.00	PASS



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Band7	10MHz	64QAM	21100	25RB#12	19.84	17.59	30.00	PASS
Band7	10MHz	64QAM	21100	25RB#25	19.94	17.69	30.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	19.95	17.70	30.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	21.58	19.33	30.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	21.57	19.32	30.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	21.13	18.88	30.00	PASS
Band7	10MHz	64QAM	21400	25RB#25	20.15	17.90	30.00	PASS
Band7	10MHz	64QAM	21400	25RB#0	20.18	17.93	30.00	PASS
Band7	10MHz	64QAM	21400	25RB#12	19.94	17.69	30.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.04	17.79	30.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.75	20.50	30.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.99	19.74	30.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.50	20.25	30.00	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.11	18.86	30.00	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.06	18.81	30.00	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.09	18.84	30.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.16	18.91	30.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.07	19.82	30.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.28	20.03	30.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.52	20.27	30.00	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.97	18.72	30.00	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.93	18.68	30.00	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.05	18.80	30.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.01	18.76	30.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.68	20.43	30.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.68	20.43	30.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.19	19.94	30.00	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.21	18.96	30.00	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.30	19.05	30.00	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.08	18.83	30.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.18	18.93	30.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.92	20.67	30.00	PASS



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Band7	15MHz	QPSK	20825	1RB#38	23.05	20.80	30.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.86	20.61	30.00	PASS
Band7	15MHz	QPSK	20825	36RB#39	22.04	19.79	30.00	PASS
Band7	15MHz	QPSK	20825	36RB#18	22.09	19.84	30.00	PASS
Band7	15MHz	QPSK	20825	36RB#0	22.06	19.81	30.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.09	19.84	30.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.80	20.55	30.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.93	20.68	30.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.82	20.57	30.00	PASS
Band7	15MHz	QPSK	21100	36RB#0	21.99	19.74	30.00	PASS
Band7	15MHz	QPSK	21100	36RB#18	22.00	19.75	30.00	PASS
Band7	15MHz	QPSK	21100	36RB#39	21.94	19.69	30.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.91	19.66	30.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.86	20.61	30.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.08	20.83	30.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.94	20.69	30.00	PASS
Band7	15MHz	QPSK	21375	36RB#0	22.13	19.88	30.00	PASS
Band7	15MHz	QPSK	21375	36RB#18	22.05	19.80	30.00	PASS
Band7	15MHz	QPSK	21375	36RB#39	22.16	19.91	30.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.16	19.91	30.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	21.32	19.07	30.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	21.45	19.20	30.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	21.33	19.08	30.00	PASS
Band7	15MHz	64QAM	20825	36RB#0	19.96	17.71	30.00	PASS
Band7	15MHz	64QAM	20825	36RB#18	19.98	17.73	30.00	PASS
Band7	15MHz	64QAM	20825	36RB#39	19.96	17.71	30.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	19.99	17.74	30.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	21.40	19.15	30.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	21.28	19.03	30.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	20.71	18.46	30.00	PASS
Band7	15MHz	64QAM	21100	36RB#39	19.85	17.60	30.00	PASS
Band7	15MHz	64QAM	21100	36RB#0	19.94	17.69	30.00	PASS
Band7	15MHz	64QAM	21100	36RB#18	19.92	17.67	30.00	PASS



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Band7	15MHz	64QAM	21100	75RB#0	19.88	17.63	30.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	20.66	18.41	30.00	PASS
Band7	15MHz	64QAM	21375	1RB#38	21.38	19.13	30.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	21.32	19.07	30.00	PASS
Band7	15MHz	64QAM	21375	36RB#18	19.94	17.69	30.00	PASS
Band7	15MHz	64QAM	21375	36RB#0	20.08	17.83	30.00	PASS
Band7	15MHz	64QAM	21375	36RB#39	19.99	17.74	30.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	20.06	17.81	30.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.43	20.18	30.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.55	20.30	30.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.40	20.15	30.00	PASS
Band7	15MHz	16QAM	20825	36RB#0	21.03	18.78	30.00	PASS
Band7	15MHz	16QAM	20825	36RB#39	21.06	18.81	30.00	PASS
Band7	15MHz	16QAM	20825	36RB#18	21.09	18.84	30.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.08	18.83	30.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.46	20.21	30.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.38	20.13	30.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.82	19.57	30.00	PASS
Band7	15MHz	16QAM	21100	36RB#0	20.91	18.66	30.00	PASS
Band7	15MHz	16QAM	21100	36RB#18	21.02	18.77	30.00	PASS
Band7	15MHz	16QAM	21100	36RB#39	20.99	18.74	30.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.96	18.71	30.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.74	19.49	30.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.47	20.22	30.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.40	20.15	30.00	PASS
Band7	15MHz	16QAM	21375	36RB#0	21.09	18.84	30.00	PASS
Band7	15MHz	16QAM	21375	36RB#18	21.17	18.92	30.00	PASS
Band7	15MHz	16QAM	21375	36RB#39	21.14	18.89	30.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.12	18.87	30.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.03	20.78	30.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.15	20.90	30.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.64	20.39	30.00	PASS
Band7	20MHz	QPSK	20850	50RB#25	22.16	19.91	30.00	PASS



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Band7	20MHz	QPSK	20850	50RB#0	22.14	19.89	30.00	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.00	19.75	30.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.98	19.73	30.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.87	20.62	30.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.03	20.78	30.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.83	20.58	30.00	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.00	19.75	30.00	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.98	19.73	30.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.94	19.69	30.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.94	19.69	30.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.81	20.56	30.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.17	20.92	30.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.91	20.66	30.00	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.02	19.77	30.00	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.15	19.90	30.00	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.04	19.79	30.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.07	19.82	30.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	21.18	18.93	30.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	21.25	19.00	30.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	21.21	18.96	30.00	PASS
Band7	20MHz	64QAM	20850	50RB#50	20.13	17.88	30.00	PASS
Band7	20MHz	64QAM	20850	50RB#0	20.10	17.85	30.00	PASS
Band7	20MHz	64QAM	20850	50RB#25	20.03	17.78	30.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	20.07	17.82	30.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	21.10	18.85	30.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	21.37	19.12	30.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	21.05	18.80	30.00	PASS
Band7	20MHz	64QAM	21100	50RB#0	20.05	17.80	30.00	PASS
Band7	20MHz	64QAM	21100	50RB#25	20.03	17.78	30.00	PASS
Band7	20MHz	64QAM	21100	50RB#50	20.06	17.81	30.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	20.11	17.86	30.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	21.25	19.00	30.00	PASS
Band7	20MHz	64QAM	21350	1RB#0	21.64	19.39	30.00	PASS



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Band7	20MHz	64QAM	21350	1RB#49	21.41	19.16	30.00	PASS
Band7	20MHz	64QAM	21350	50RB#0	20.19	17.94	30.00	PASS
Band7	20MHz	64QAM	21350	50RB#50	20.24	17.99	30.00	PASS
Band7	20MHz	64QAM	21350	50RB#25	20.23	17.98	30.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	20.06	17.81	30.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.65	20.40	30.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.81	20.56	30.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.57	20.32	30.00	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.08	18.83	30.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.14	18.89	30.00	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.05	18.80	30.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.04	18.79	30.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.70	20.45	30.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.24	19.99	30.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.20	19.95	30.00	PASS
Band7	20MHz	16QAM	21100	50RB#0	20.99	18.74	30.00	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.06	18.81	30.00	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.93	18.68	30.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.01	18.76	30.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.25	20.00	30.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.41	20.16	30.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.04	19.79	30.00	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.19	18.94	30.00	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.19	18.94	30.00	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.16	18.91	30.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.15	18.90	30.00	PASS

Remark:

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

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

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



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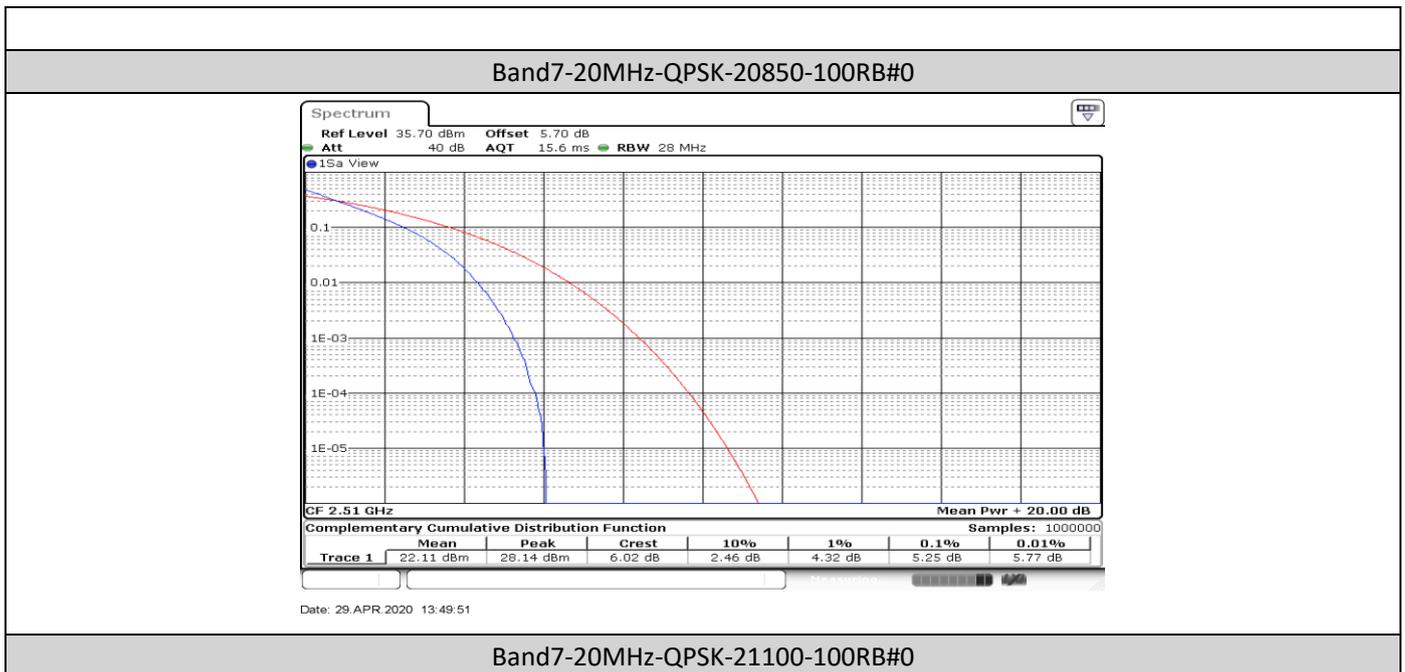


## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

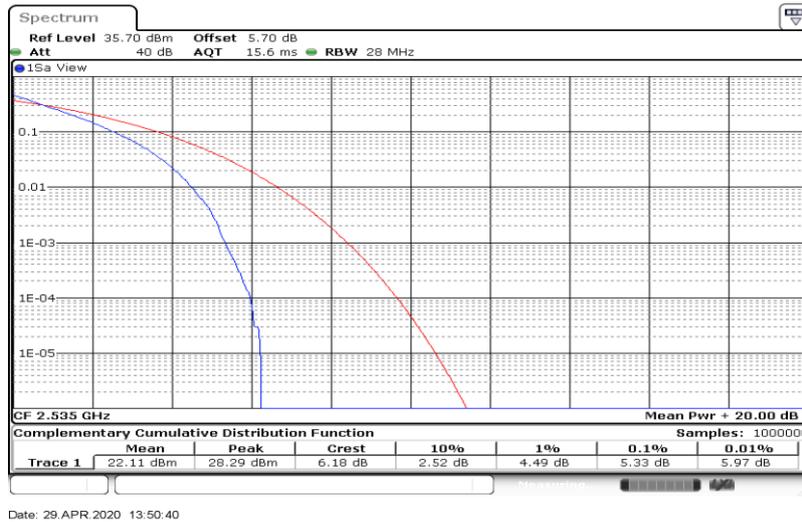
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.25	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.33	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.28	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	8.38	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.52	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.43	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.06	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.14	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.12	13	PASS

### 2.2. Test Plots

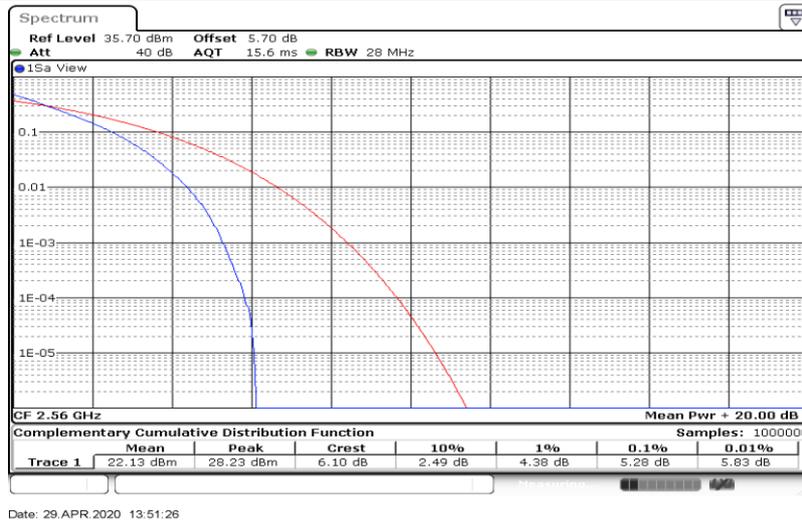


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Band7-20MHz-QPSK-21350-100RB#0



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



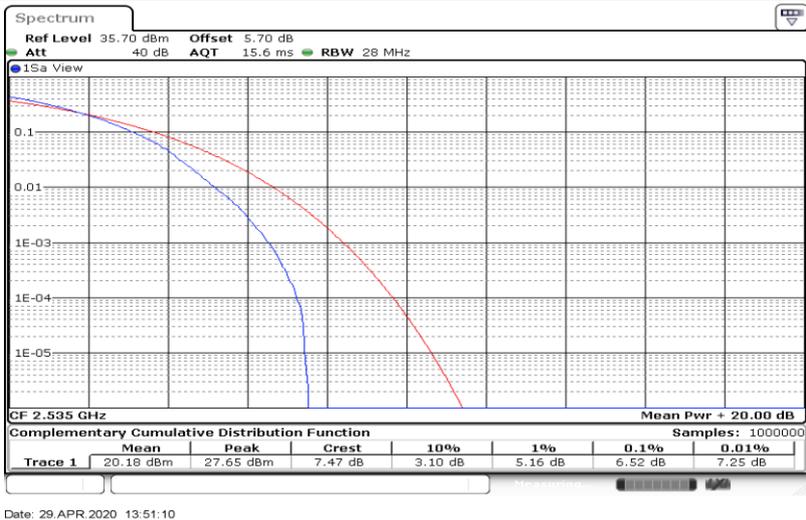
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Band7-20MHz-64QAM-21100-100RB#0



Date: 29.APR.2020 13:51:10

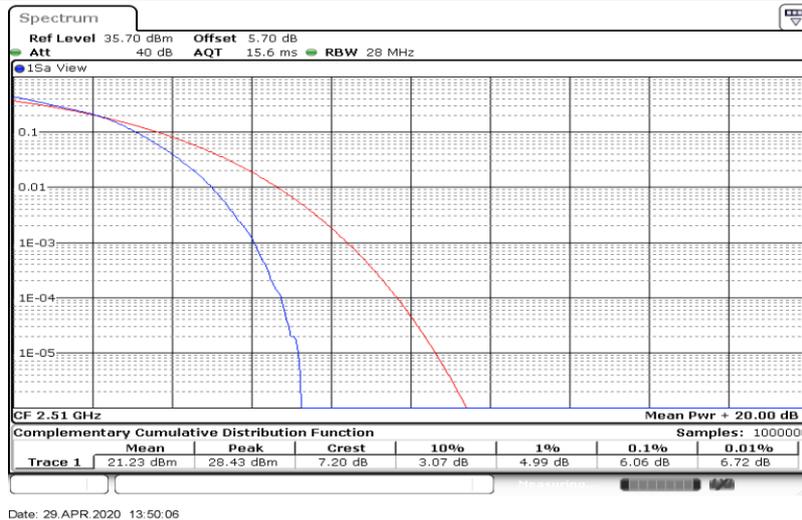
Band7-20MHz-64QAM-21350-100RB#0



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



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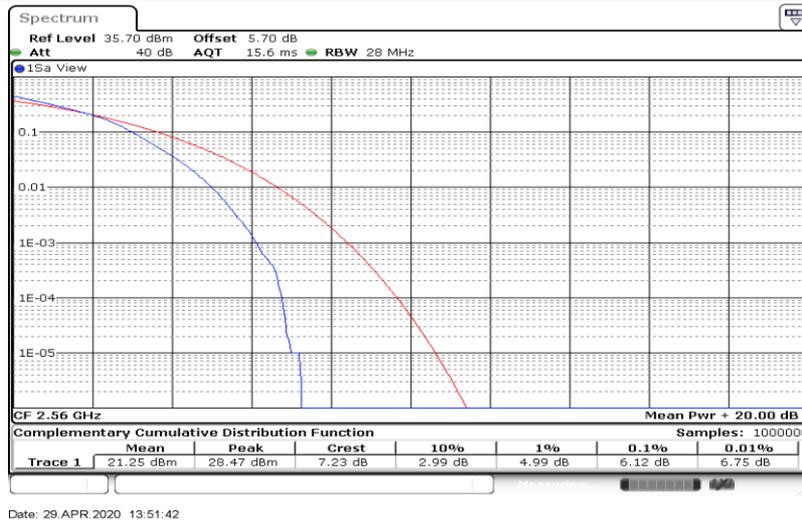
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Band7-20MHz-16QAM-21350-100RB#0



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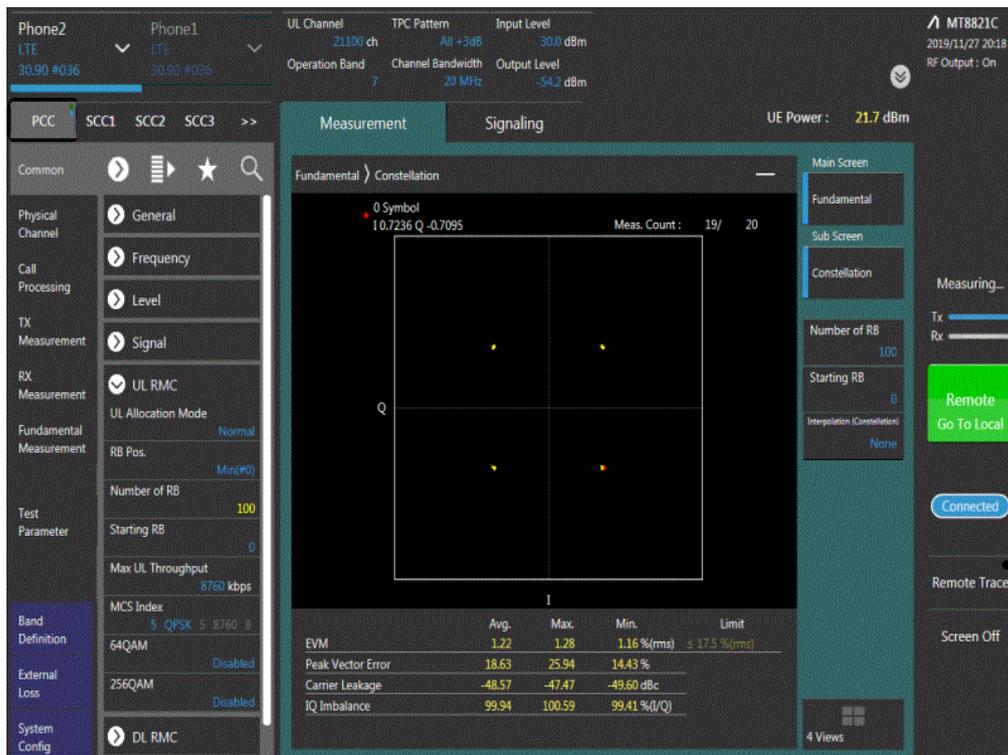


### 3. Modulation Characteristics

#### 3.1. Test Band = LTE Band 7

#### 3.1.1. Test Mode = LTE /TM1 20MHz

#### 3.1.1.1. Test Channel = MCH



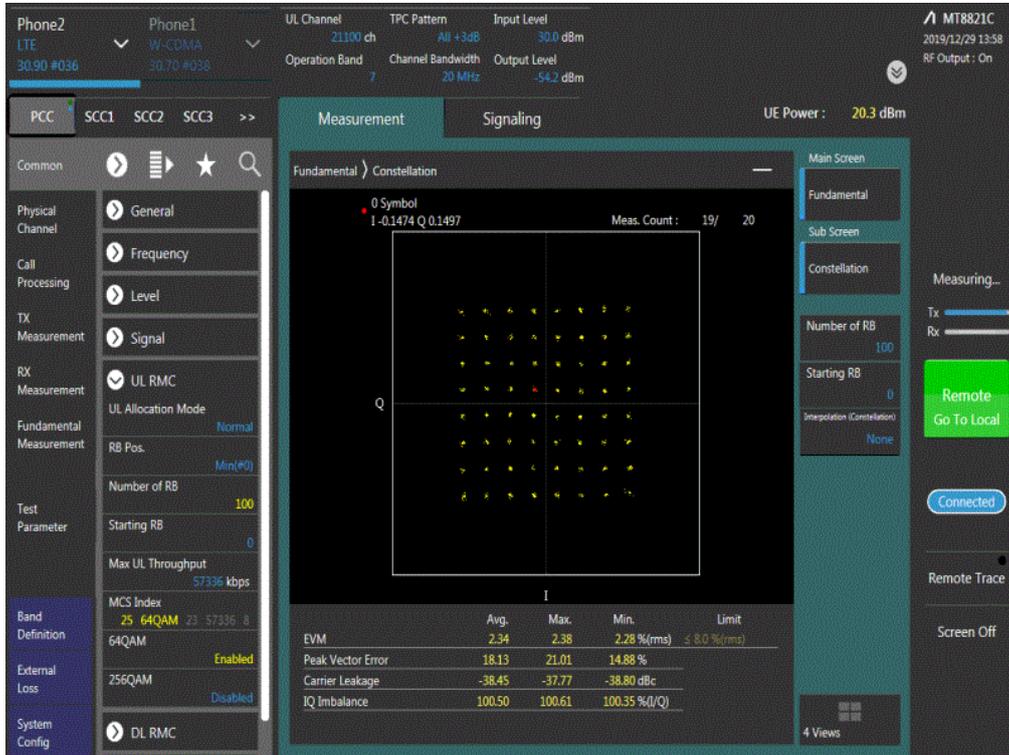
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### 3.1.3. Test Mode = LTE /TM3 20MHz

#### 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	4.780	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.780	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.486	4.730	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.476	4.770	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.476	4.740	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.476	4.740	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.486	4.770	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.486	4.770	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.476	4.750	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.951	9.400	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.971	9.400	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.951	9.540	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.931	9.460	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.951	9.440	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.911	9.560	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.951	9.460	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.951	9.460	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.971	9.380	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.636	14.640	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.606	14.490	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.546	14.580	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.606	14.490	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.546	14.430	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.516	14.490	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.576	14.430	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.576	14.430	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.576	14.430	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.062	19.120	PASS
Band7	20MHz	QPSK	21100	100RB#0	18.102	19.120	PASS
Band7	20MHz	QPSK	21350	100RB#0	18.062	19.080	PASS
Band7	20MHz	64QAM	20850	100RB#0	18.062	19.000	PASS
Band7	20MHz	64QAM	21100	100RB#0	18.062	19.080	PASS



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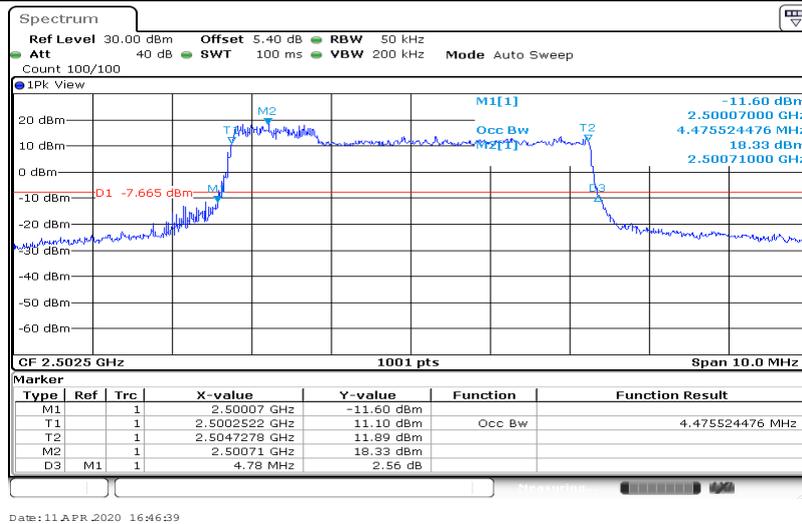
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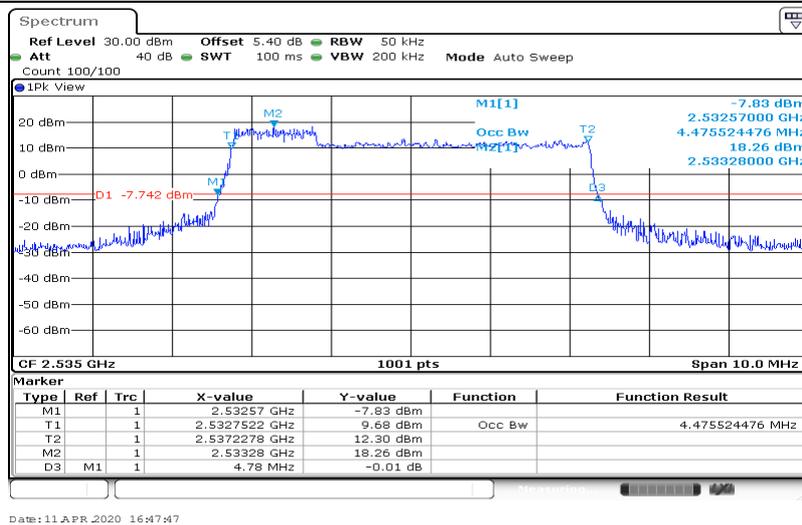
Band7	20MHz	64QAM	21350	100RB#0	18.062	19.080	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.062	19.120	PASS
Band7	20MHz	16QAM	21100	100RB#0	18.022	19.000	PASS
Band7	20MHz	16QAM	21350	100RB#0	18.022	18.960	PASS

## 4.2. Test Plots

Band7-5MHz-QPSK-20775-25RB#0-4.476



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



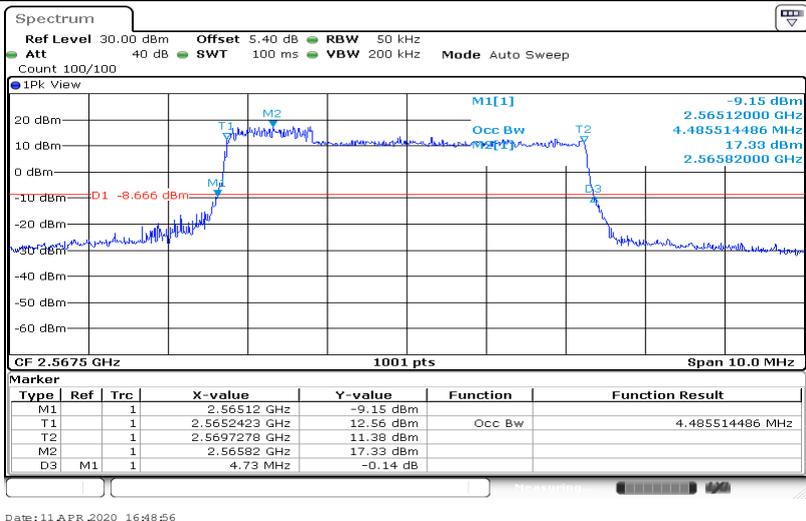
Band7-5MHz-QPSK-21425-25RB#0-4.486



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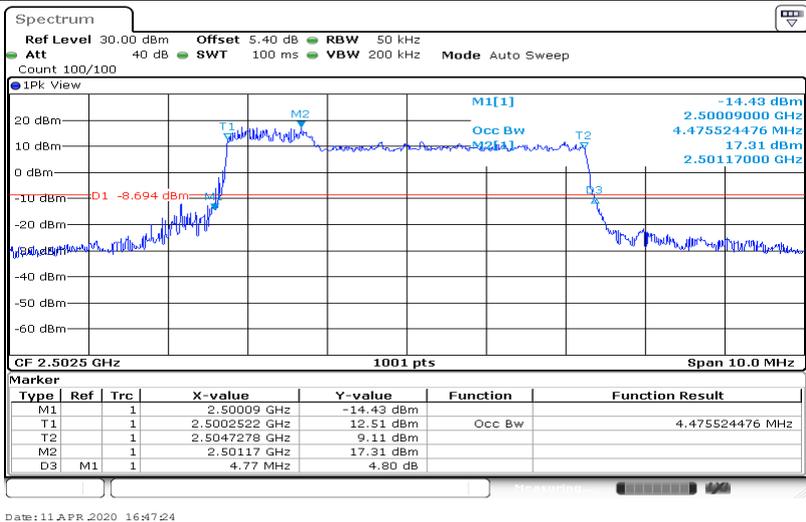
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Date: 11 APR 2020 16:48:56

Band7-5MHz-64QAM-20775-25RB#0-4.476

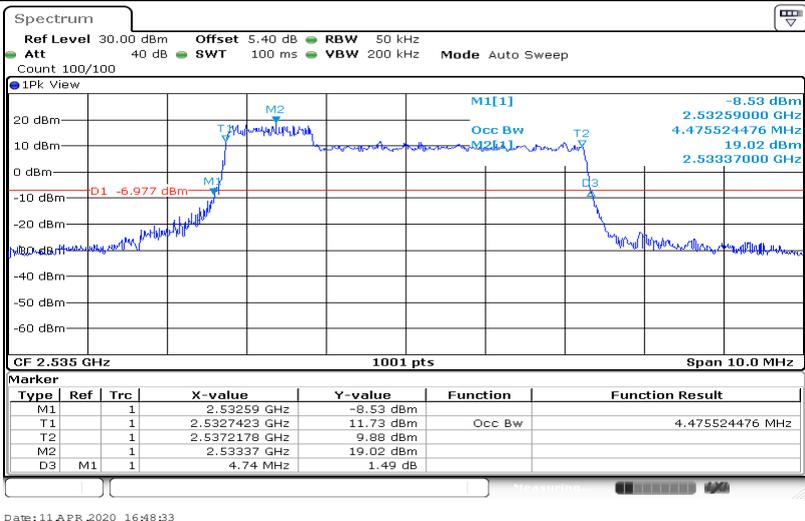


Date: 11 APR 2020 16:47:24

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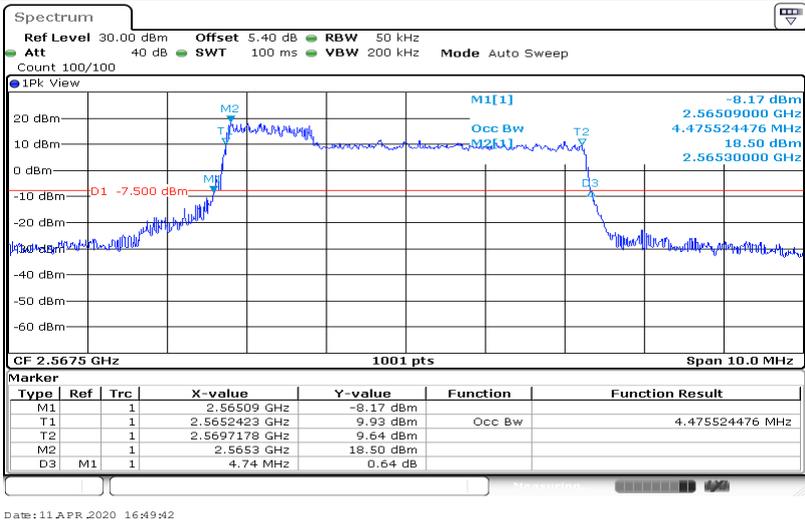


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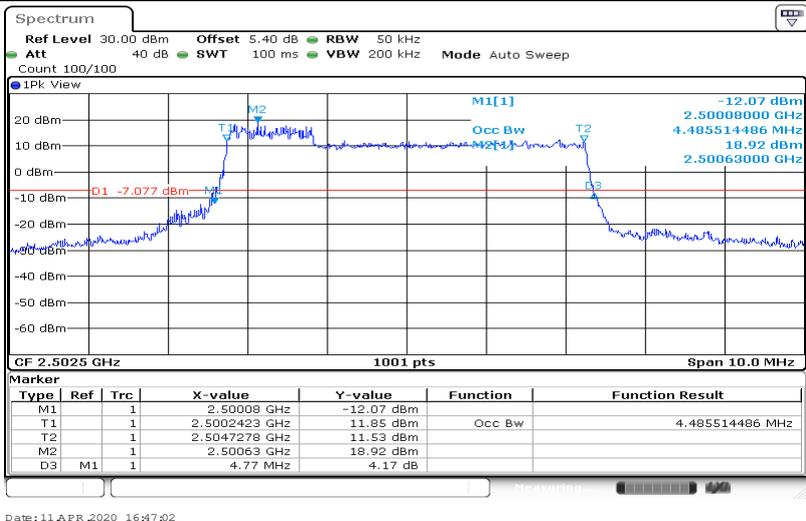


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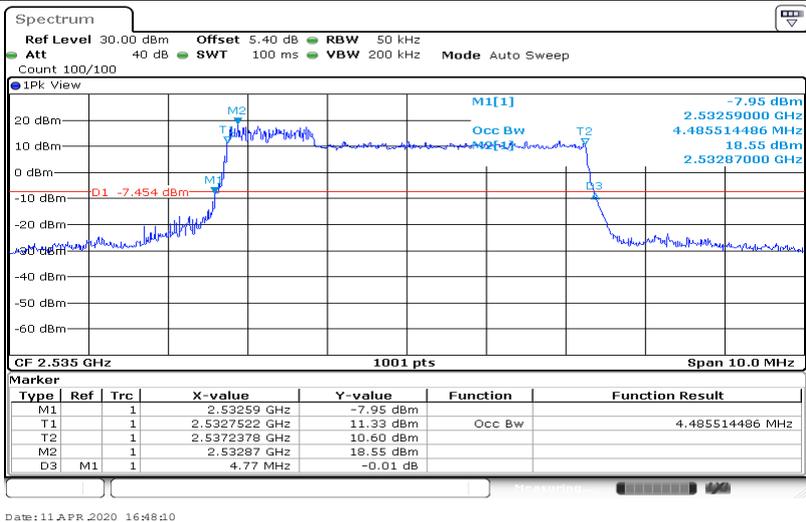
Band7-5MHz-16QAM-20775-25RB#0-4.486



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



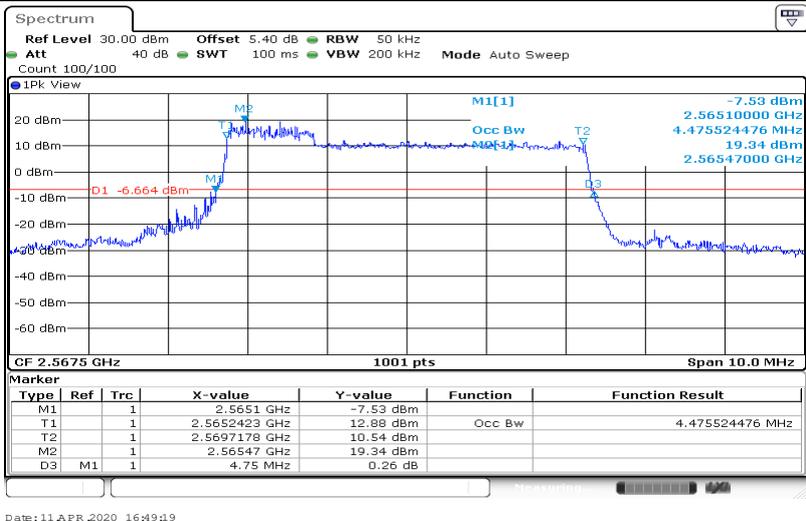
Band7-5MHz-16QAM-21425-25RB#0-4.476



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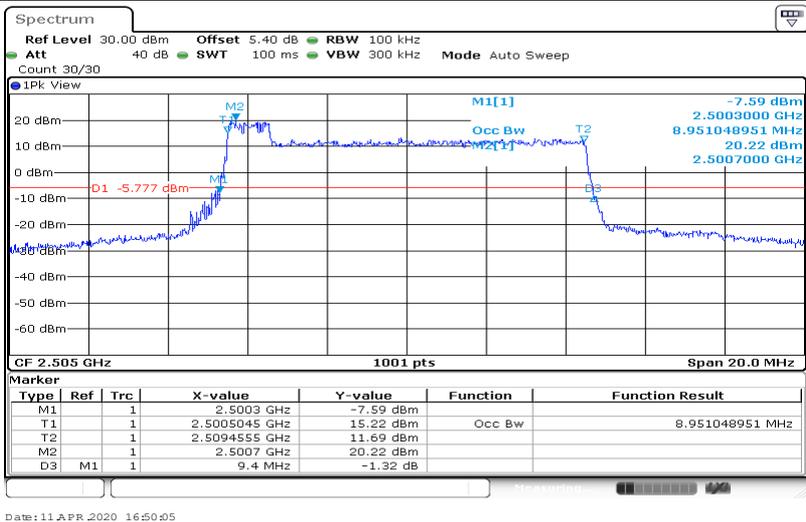
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Date: 11 APR 2020 16:49:19

Band7-10MHz-QPSK-20800-50RB#0-8.951

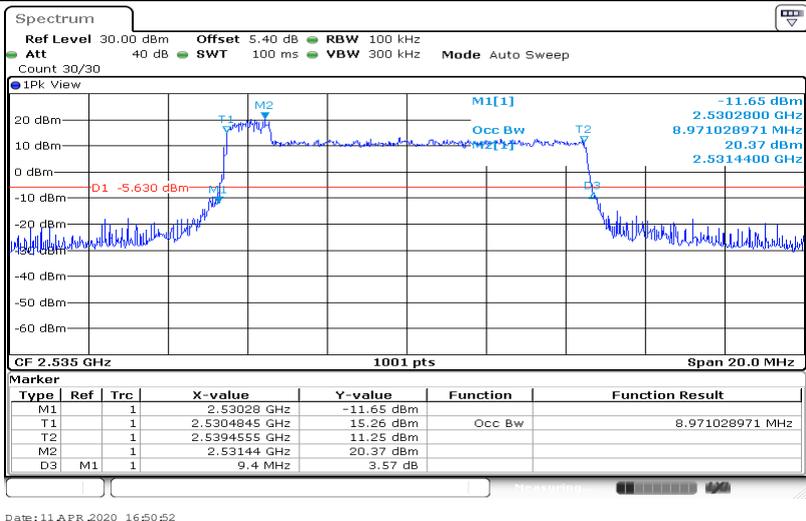


Date: 11 APR 2020 16:50:05

Band7-10MHz-QPSK-21100-50RB#0-8.971

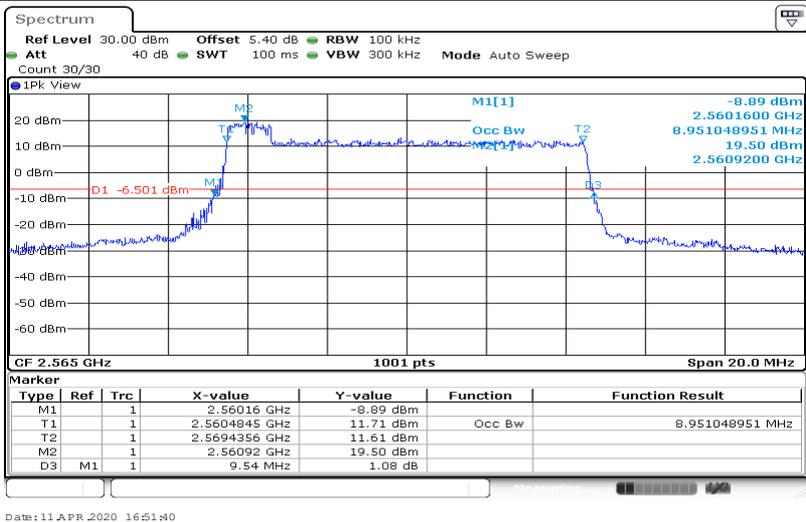


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Band7-10MHz-QPSK-21400-50RB#0-8.951



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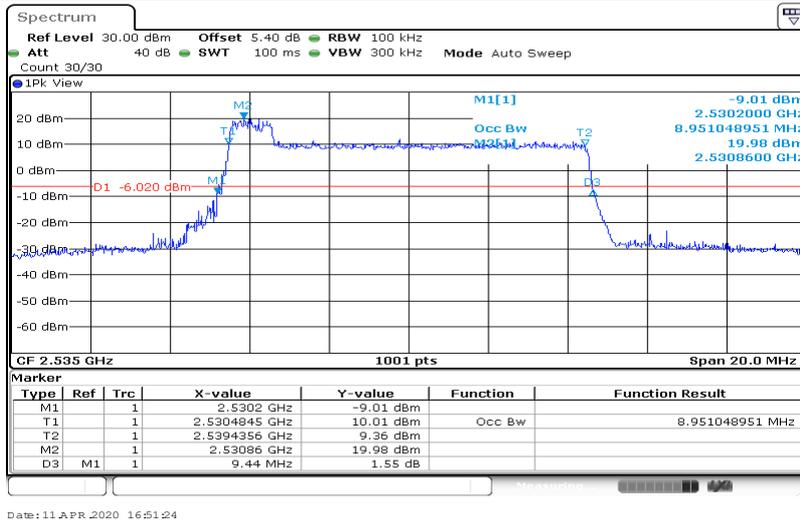
Band7-10MHz-64QAM-20800-50RB#0-8.931



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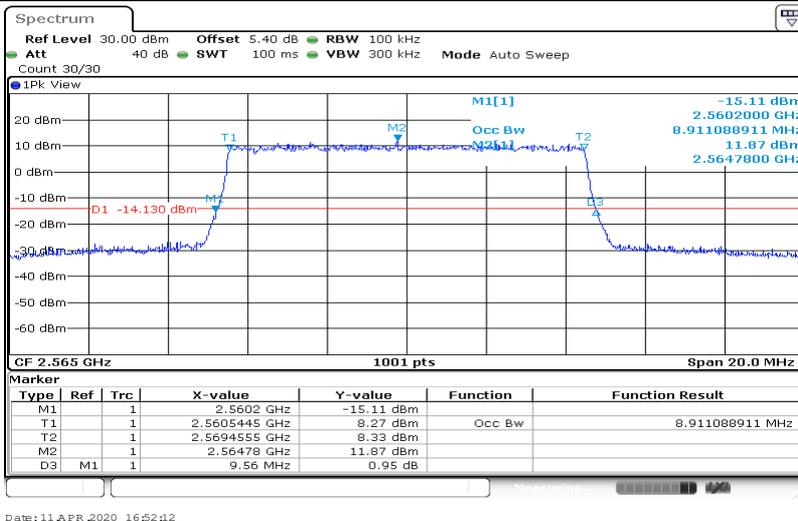
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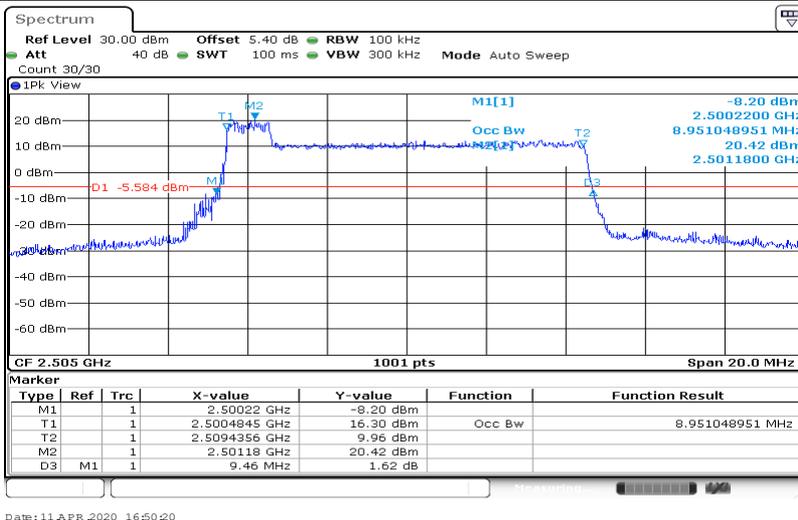
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Band7-10MHz-16QAM-20800-50RB#0-8.951



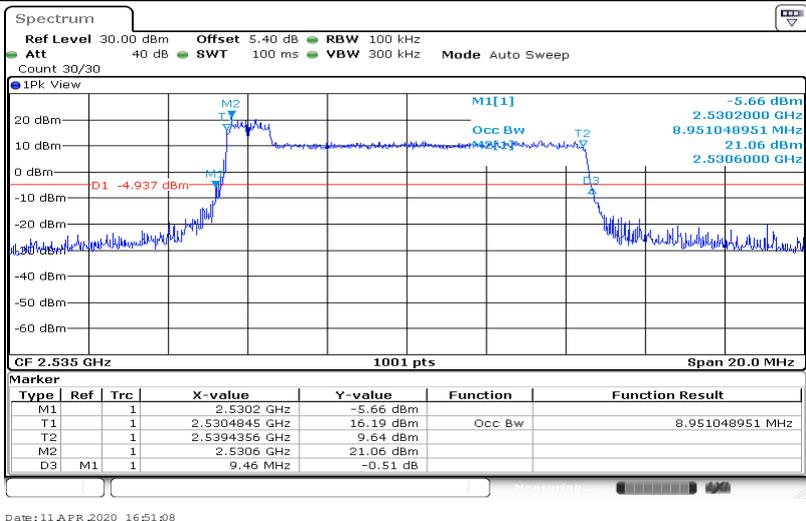
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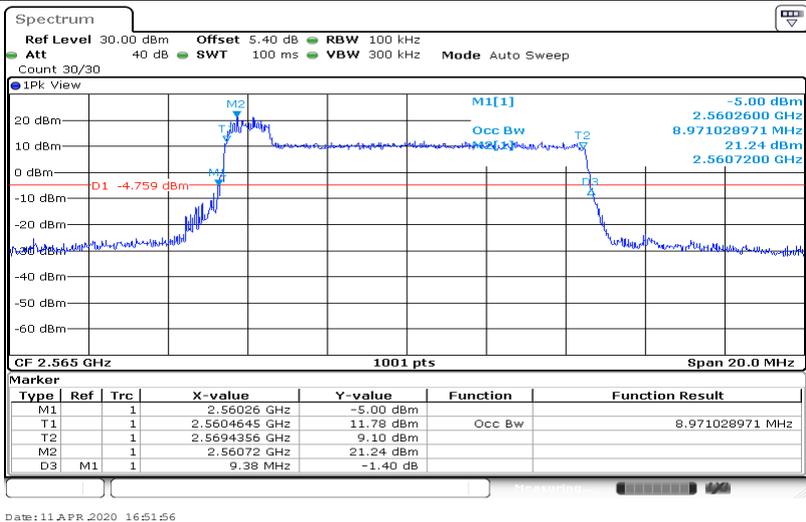
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Band7-10MHz-16QAM-21400-50RB#0-8.971

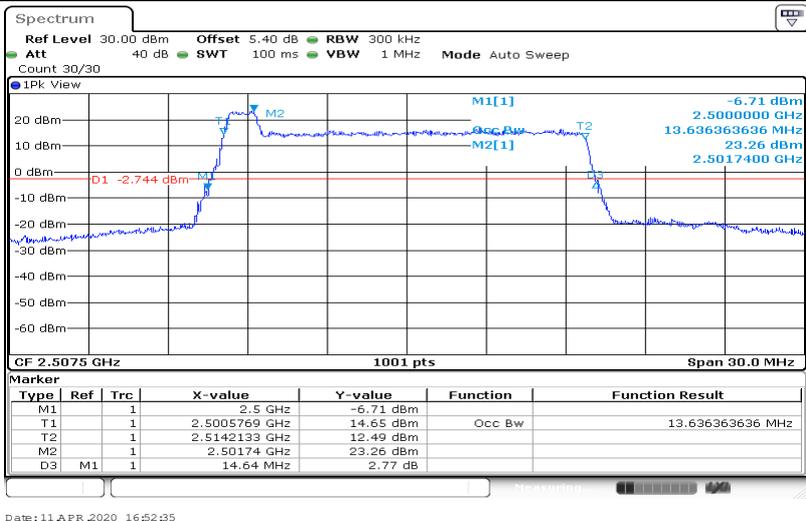


Date: 11 APR 2020 16:51:56

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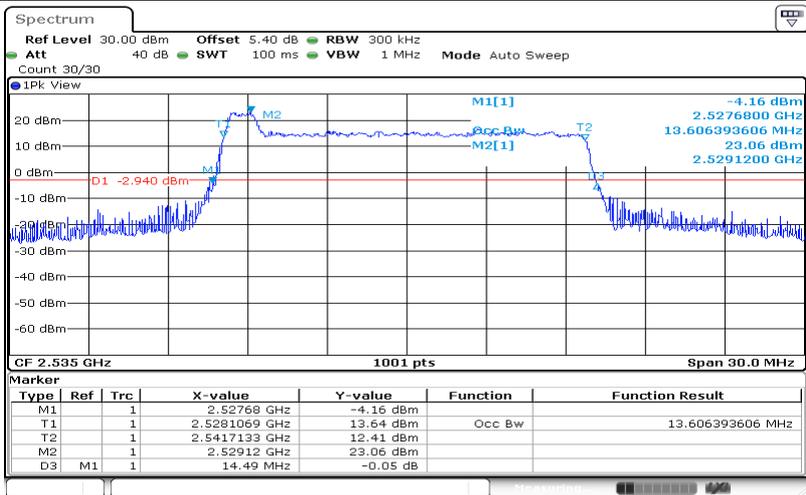


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Band7-15MHz-QPSK-21100-75RB#0-13.606

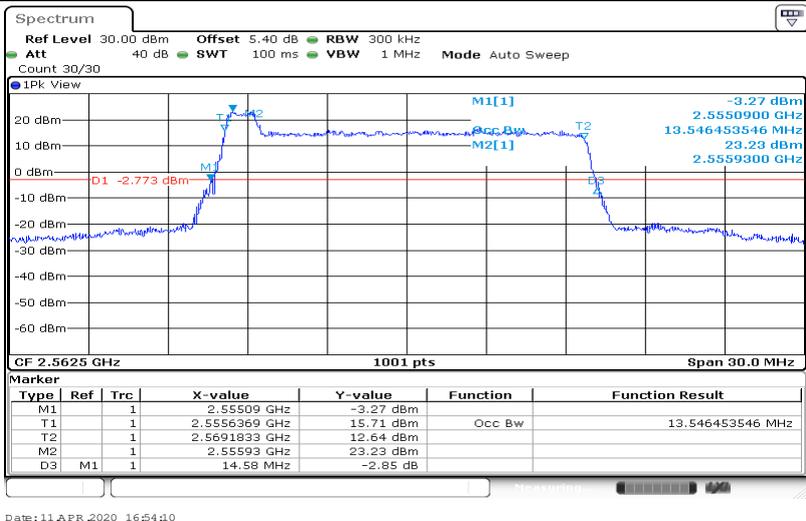


Date: 11 APR 2020 16:53:22

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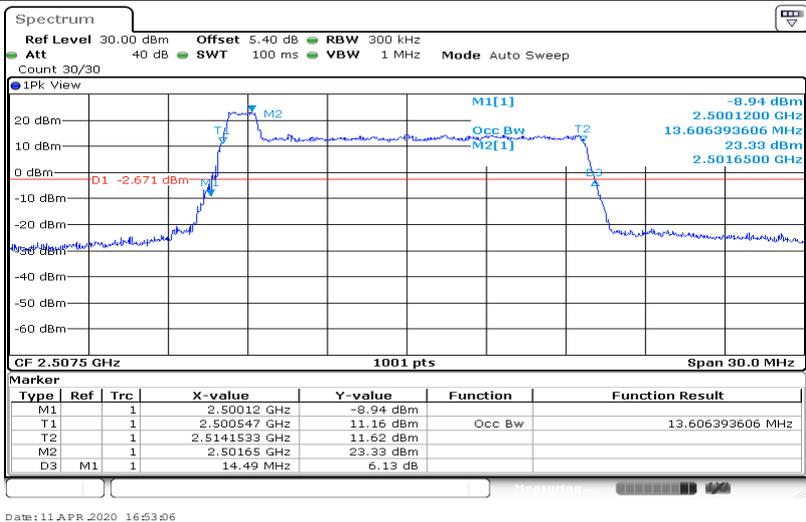


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Date: 11 APR 2020 16:54:10

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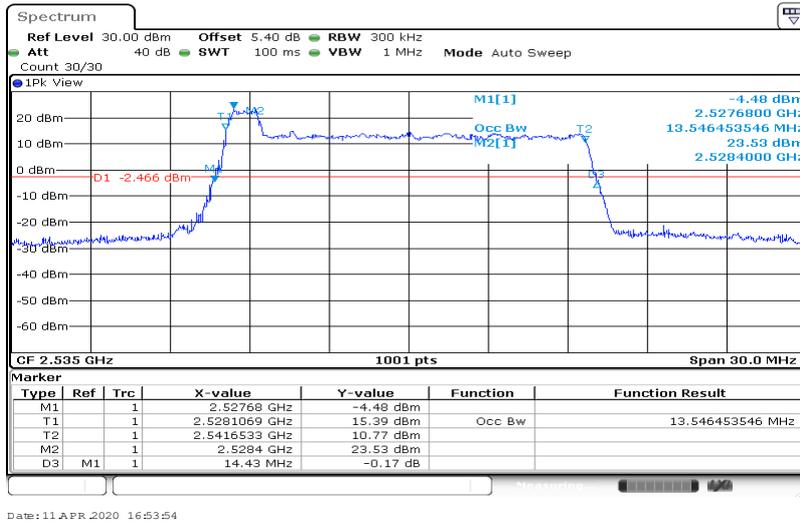


Date: 11 APR 2020 16:53:06

Band7-15MHz-64QAM-21100-75RB#0-13.546

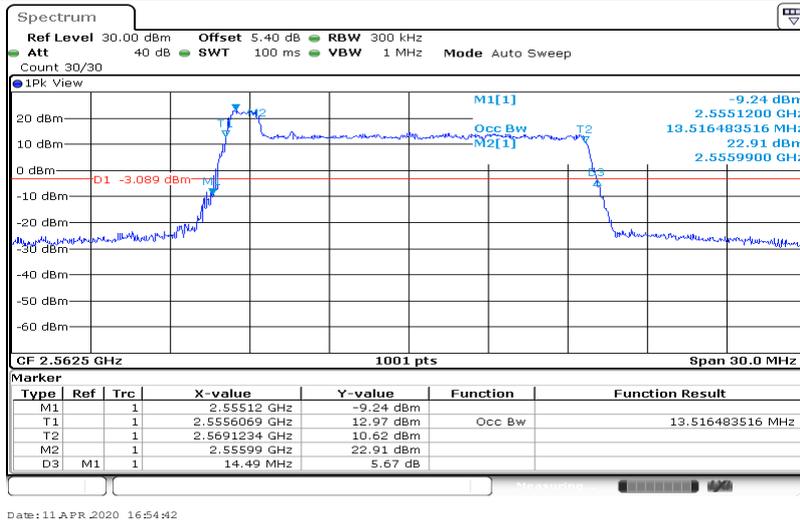


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Date: 11 APR 2020 16:53:54

Band7-15MHz-64QAM-21375-75RB#0-13.516



Date: 11 APR 2020 16:54:42

Band7-15MHz-16QAM-20825-75RB#0-13.576

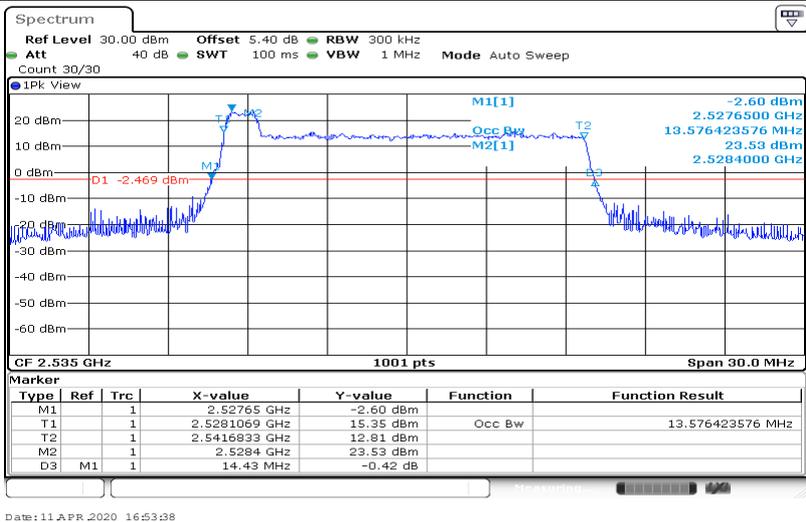


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Band7-15MHz-16QAM-21100-75RB#0-13.576

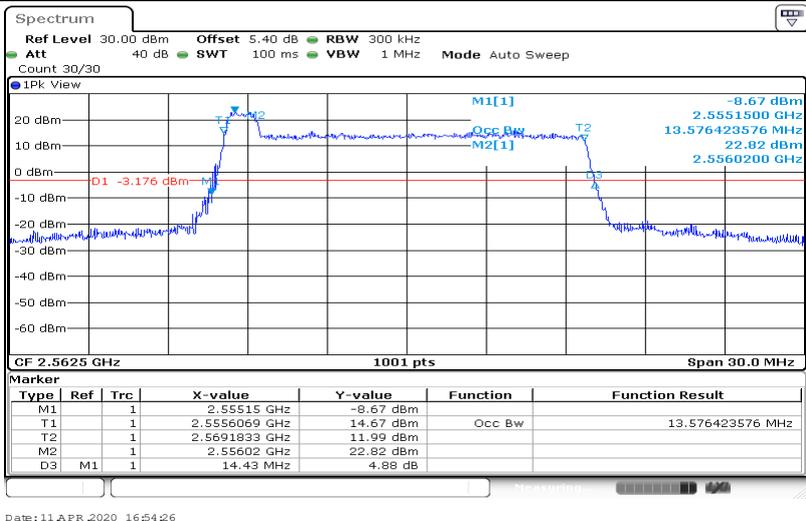


Date: 11 APR 2020 16:53:38

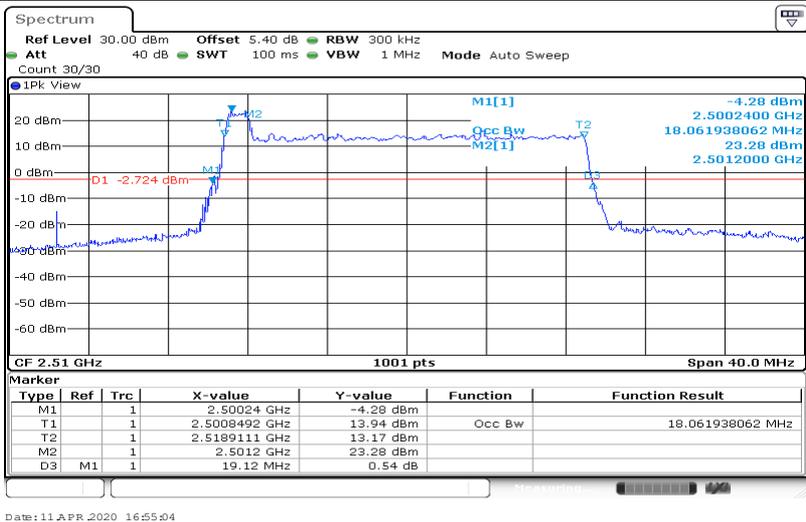
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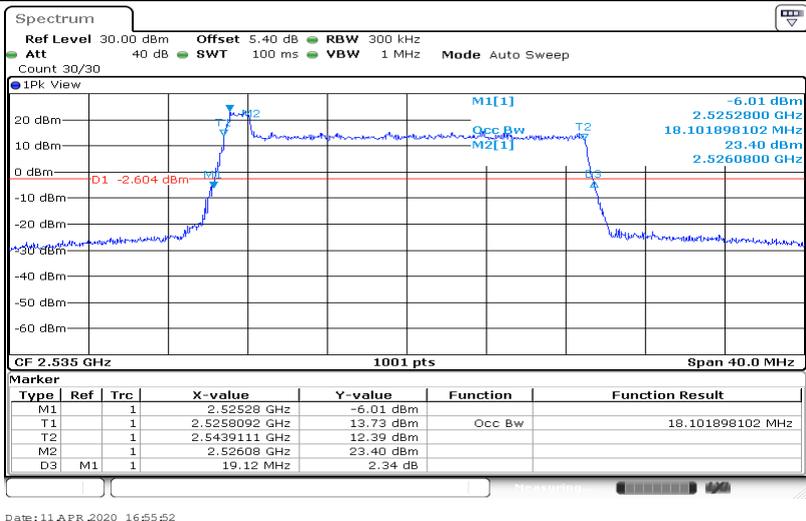
Band7-20MHz-QPSK-20850-100RB#0-18.062



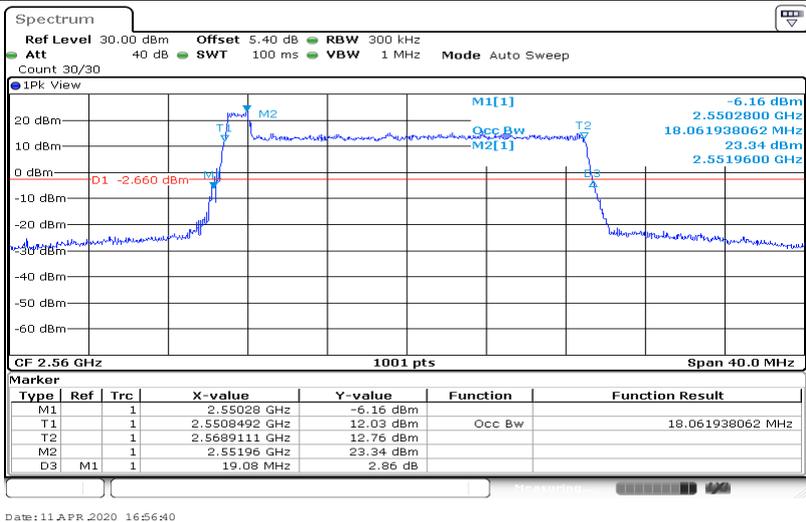
Band7-20MHz-QPSK-21100-100RB#0-18.102



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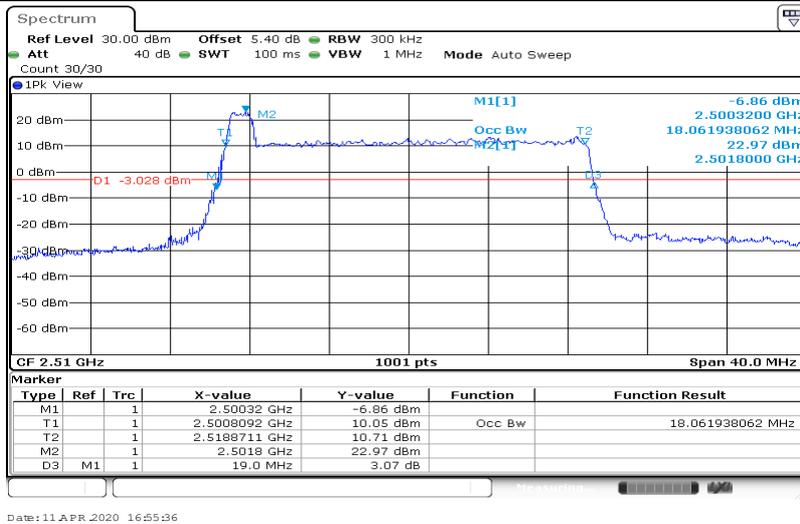
Band7-20MHz-QPSK-21350-100RB#0-18.062



Band7-20MHz-64QAM-20850-100RB#0-18.062

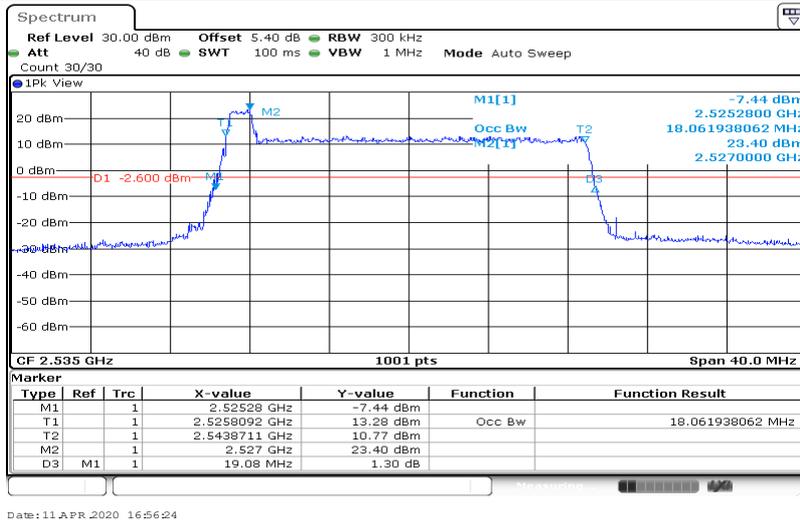


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Date: 11 APR 2020 16:55:36

Band7-20MHz-64QAM-21100-100RB#0-18.062

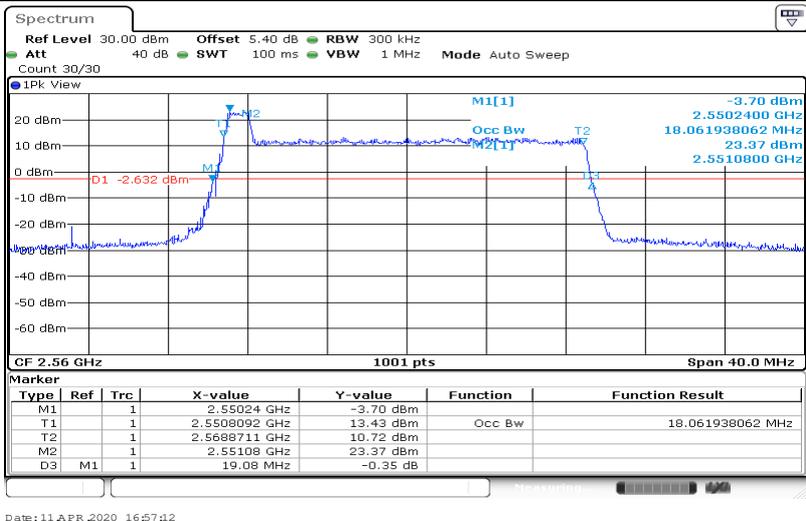


Date: 11 APR 2020 16:56:24

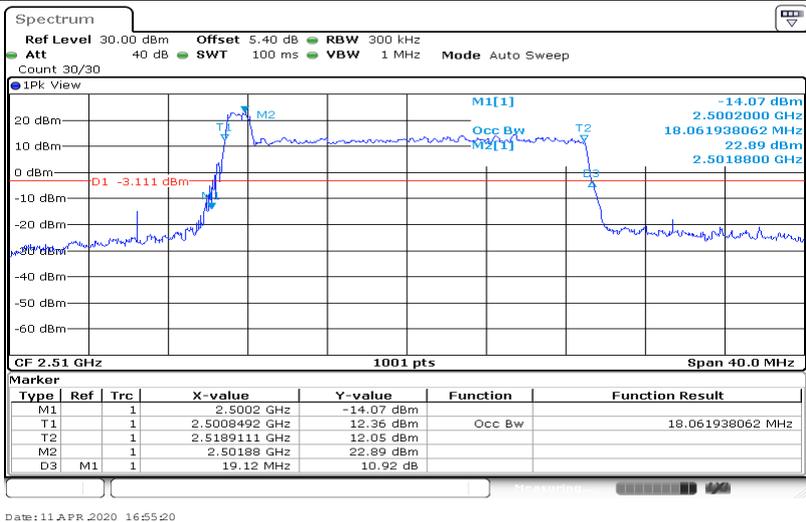
Band7-20MHz-64QAM-21350-100RB#0-18.062



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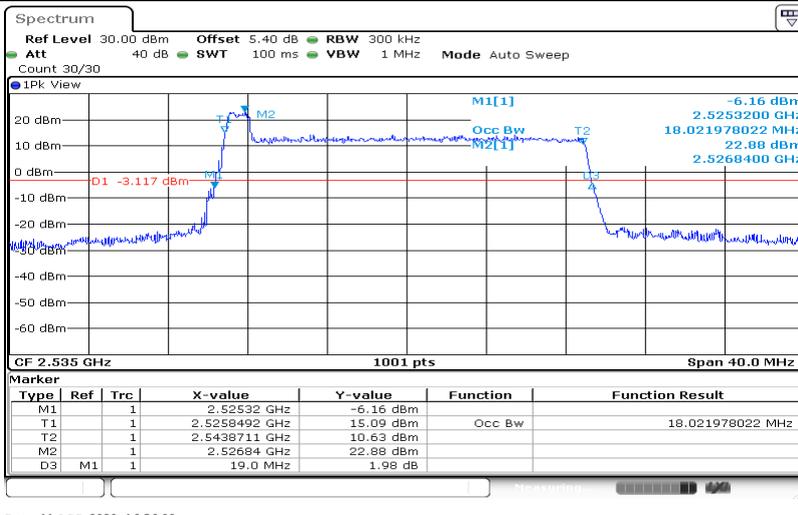
Band7-20MHz-16QAM-20850-100RB#0-18.062



Band7-20MHz-16QAM-21100-100RB#0-18.022

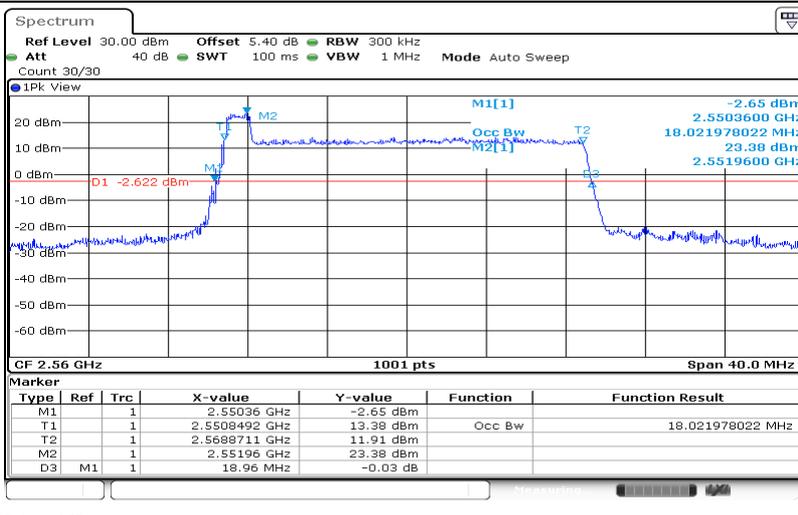


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Band7-20MHz-16QAM-21350-100RB#0-18.022



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## 5. Band Edge Compliance

### 5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-55.29,-46.14,-16.68	PASS
Band7	5MHz	QPSK	20775	25RB#0	-49.83,-38.17,-27.08	PASS
Band7	5MHz	QPSK	21425	1RB#24	-44.05,-53.49,-17.70	PASS
Band7	5MHz	QPSK	21425	25RB#0	-44.36,-43.04,-29.61	PASS
Band7	5MHz	64QAM	20775	1RB#0	-55.32,-49.08,-18.17	PASS
Band7	5MHz	64QAM	20775	25RB#0	-50.42,-40.53,-31.17	PASS
Band7	5MHz	64QAM	21425	1RB#24	-49.61,-53.93,-18.30	PASS
Band7	5MHz	64QAM	21425	25RB#0	-46.18,-43.95,-31.43	PASS
Band7	5MHz	16QAM	20775	1RB#0	-55.16,-45.95,-17.37	PASS
Band7	5MHz	16QAM	20775	25RB#0	-50.07,-39.72,-29.09	PASS
Band7	5MHz	16QAM	21425	1RB#24	-45.43,-53.63,-17.50	PASS
Band7	5MHz	16QAM	21425	25RB#0	-44.41,-42.26,-30.38	PASS
Band7	10MHz	QPSK	20800	1RB#0	-50.38,-46.75,-19.22	PASS
Band7	10MHz	QPSK	20800	50RB#0	-44.89,-34.86,-29.23	PASS
Band7	10MHz	QPSK	21400	1RB#49	-51.77,-47.11,-19.42	PASS
Band7	10MHz	QPSK	21400	50RB#0	-43.70,-36.56,-31.27	PASS
Band7	10MHz	64QAM	20800	1RB#0	-51.88,-47.97,-20.97	PASS
Band7	10MHz	64QAM	20800	50RB#0	-44.27,-39.02,-32.91	PASS
Band7	10MHz	64QAM	21400	1RB#49	-51.86,-47.86,-23.75	PASS
Band7	10MHz	64QAM	21400	50RB#0	-43.49,-38.78,-33.58	PASS
Band7	10MHz	16QAM	20800	1RB#0	-50.66,-47.13,-18.82	PASS
Band7	10MHz	16QAM	20800	50RB#0	-43.54,-37.63,-30.85	PASS
Band7	10MHz	16QAM	21400	1RB#49	-51.85,-48.13,-20.98	PASS
Band7	10MHz	16QAM	21400	50RB#0	-41.93,-37.87,-33.81	PASS
Band7	15MHz	QPSK	20825	1RB#0	-44.70,-45.51,-20.98	PASS
Band7	15MHz	QPSK	20825	75RB#0	-38.81,-34.51,-30.62	PASS
Band7	15MHz	QPSK	21375	1RB#74	-50.29,-44.50,-25.69	PASS
Band7	15MHz	QPSK	21375	75RB#0	-44.81,-35.69,-31.71	PASS
Band7	15MHz	64QAM	20825	1RB#0	-46.48,-47.06,-22.41	PASS
Band7	15MHz	64QAM	20825	75RB#0	-41.53,-39.12,-33.98	PASS
Band7	15MHz	64QAM	21375	1RB#74	-50.37,-47.52,-30.47	PASS
Band7	15MHz	64QAM	21375	75RB#0	-44.49,-38.53,-34.15	PASS
Band7	15MHz	16QAM	20825	1RB#0	-44.77,-45.88,-21.75	PASS



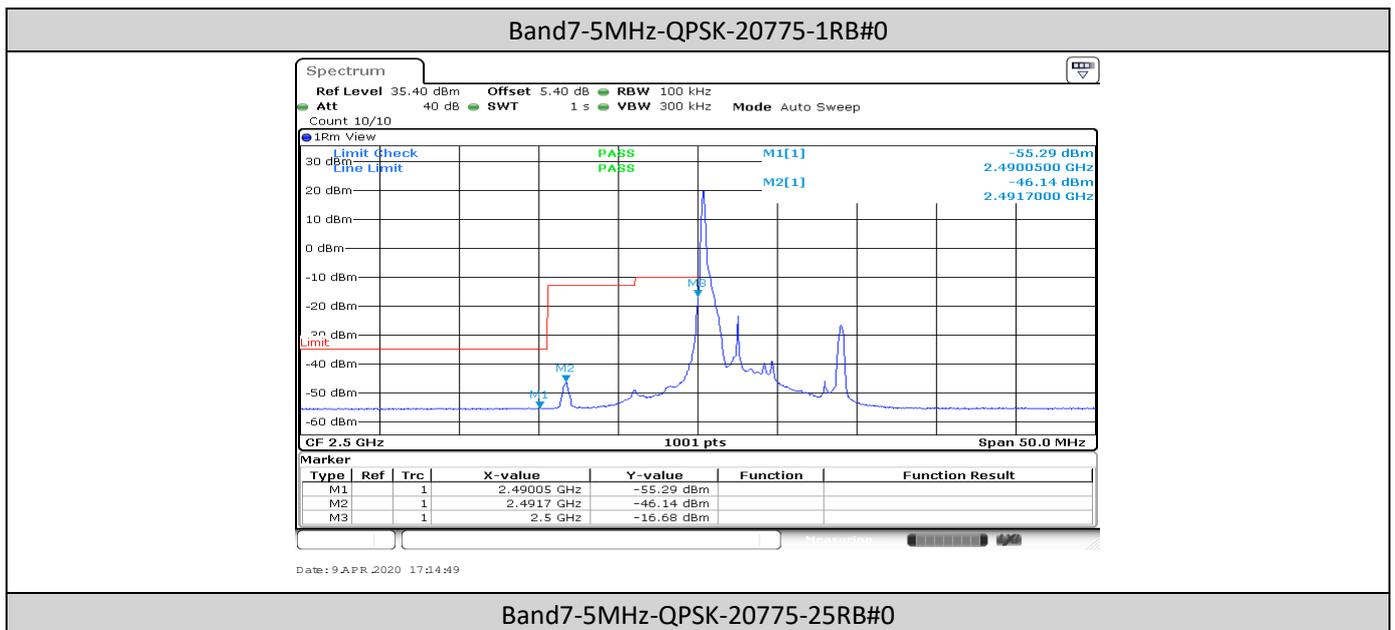
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Band7	15MHz	16QAM	20825	75RB#0	-40.89,-36.63,-33.23	PASS
Band7	15MHz	16QAM	21375	1RB#74	-50.37,-45.20,-20.84	PASS
Band7	15MHz	16QAM	21375	75RB#0	-43.55,-36.47,-32.95	PASS
Band7	20MHz	QPSK	20850	1RB#0	-47.42,-45.30,-19.80	PASS
Band7	20MHz	QPSK	21350	1RB#99	-48.31,-43.85,-22.31	PASS
Band7	20MHz	QPSK	21350	100RB#0	-45.87,-33.99,-30.35	PASS
Band7	20MHz	64QAM	20850	1RB#0	-47.87,-46.90,-34.45	PASS
Band7	20MHz	64QAM	21350	1RB#99	-48.30,-44.79,-21.96	PASS
Band7	20MHz	64QAM	21350	100RB#0	-45.75,-35.91,-33.20	PASS
Band7	20MHz	16QAM	20850	1RB#0	-47.43,-45.00,-20.31	PASS
Band7	20MHz	16QAM	21350	1RB#99	-48.31,-43.81,-21.82	PASS
Band7	20MHz	16QAM	21350	100RB#0	-44.87,-35.76,-32.74	PASS

## 5.2. Test Plots



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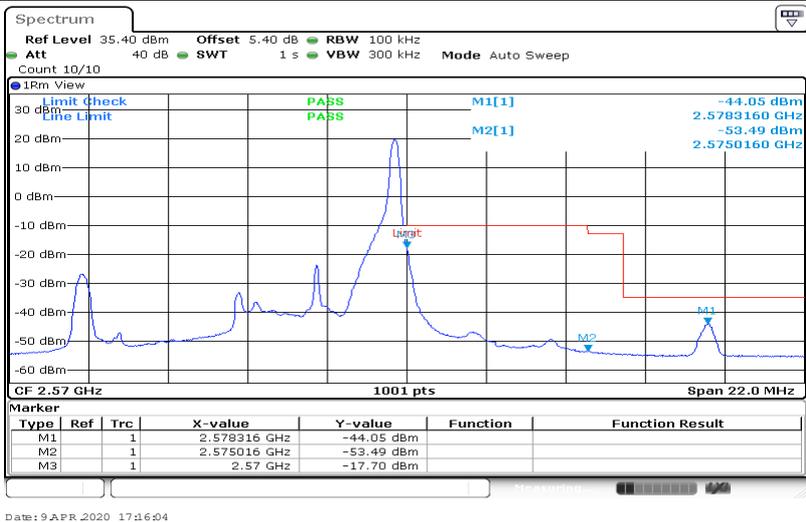
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Band7-5MHz-QPSK-21425-1RB#24

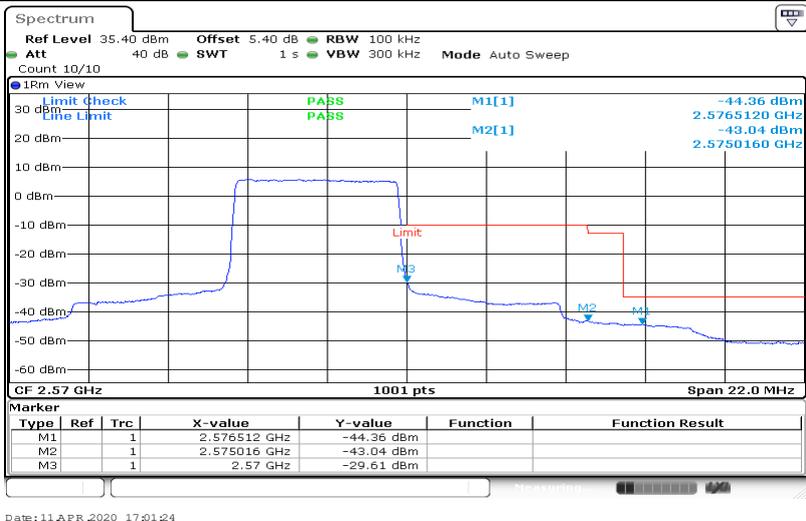


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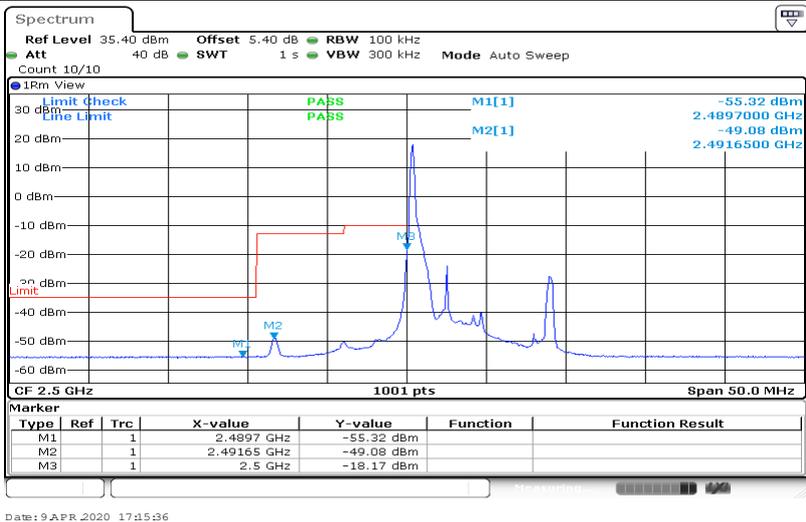
Band7-5MHz-QPSK-21425-25RB#0



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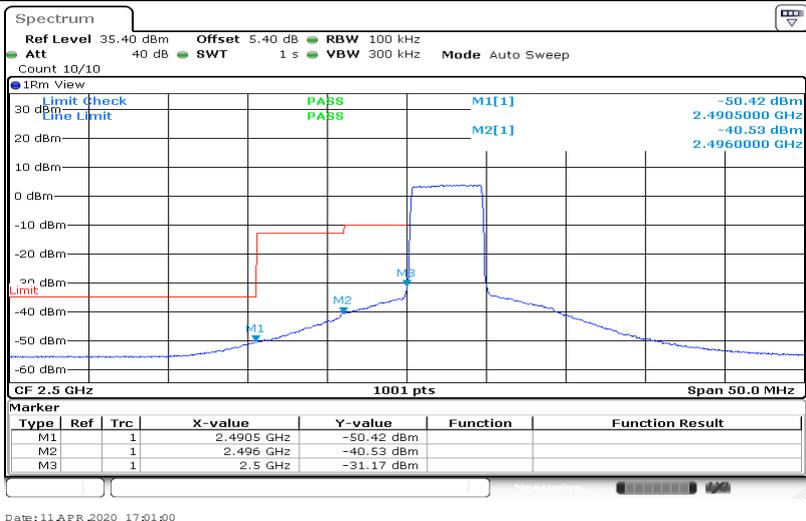
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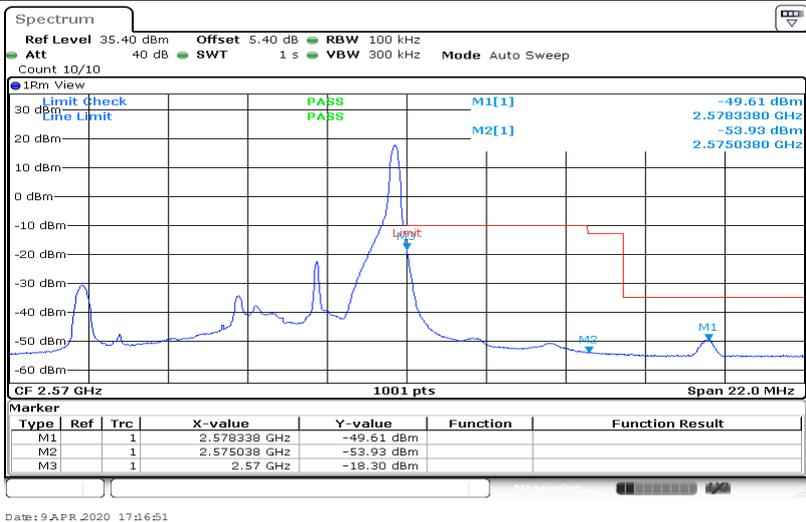
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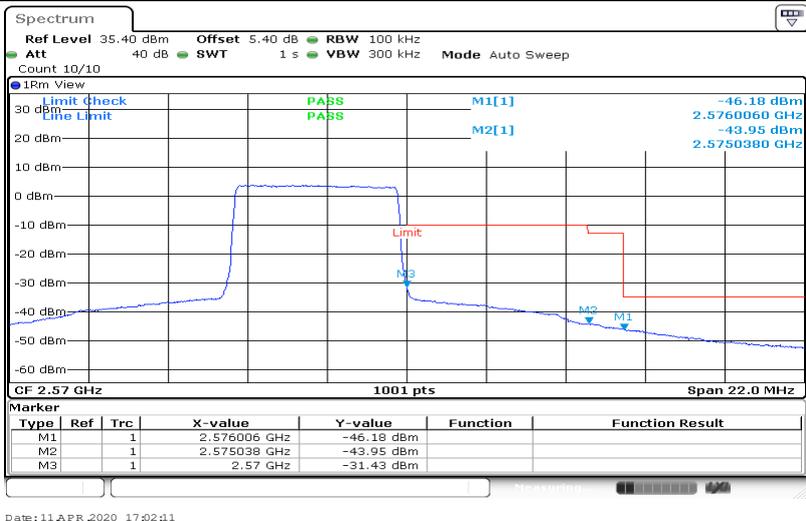
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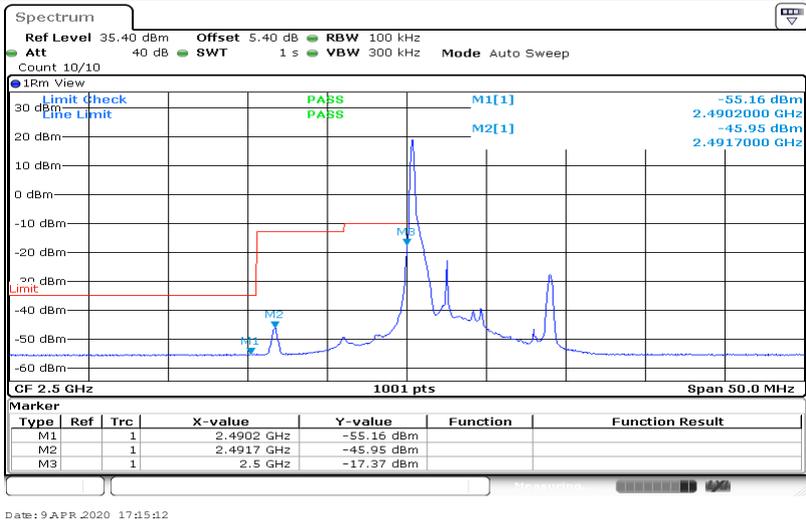
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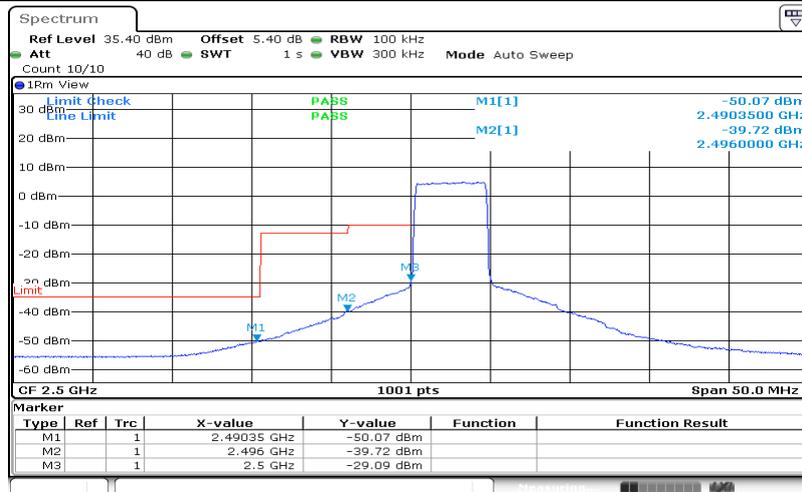


Date: 9 APR 2020 17:15:12

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

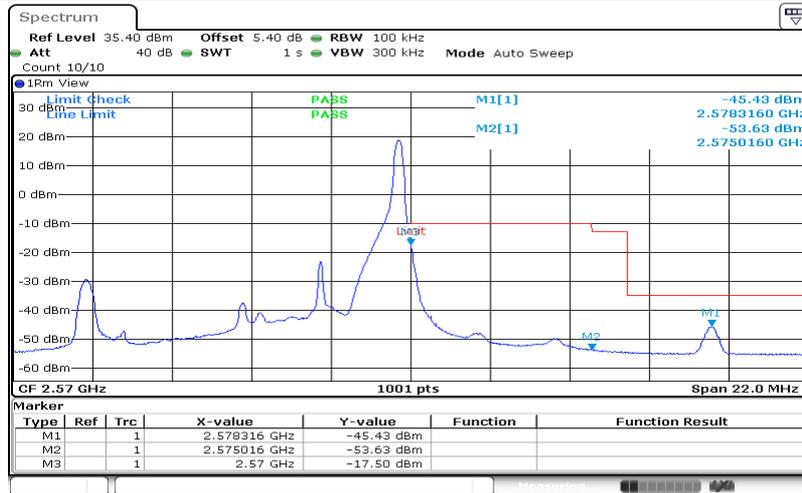


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Date: 11 APR 2020 17:00:37

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



Date: 9 APR 2020 17:16:28

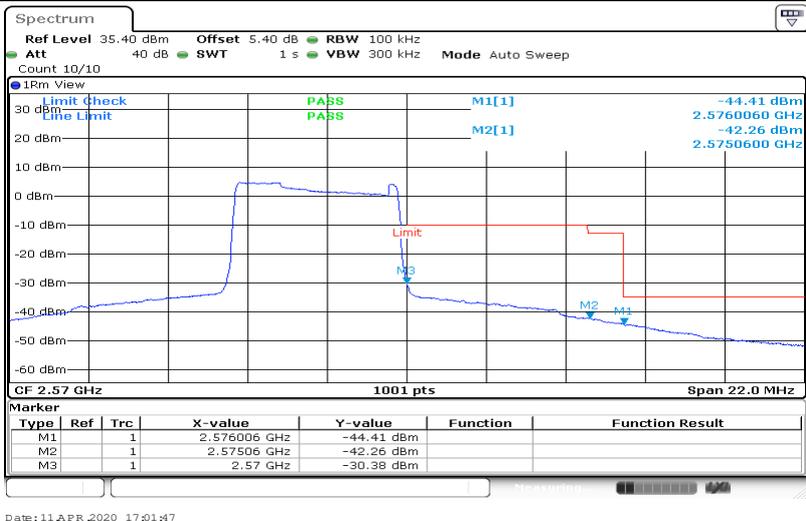
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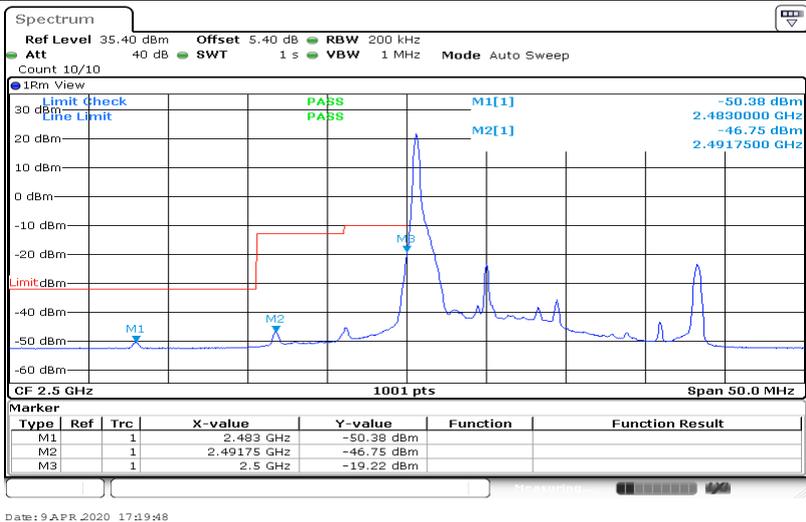
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Date: 11 APR 2020 17:01:47

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



Date: 9 APR 2020 17:19:48

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



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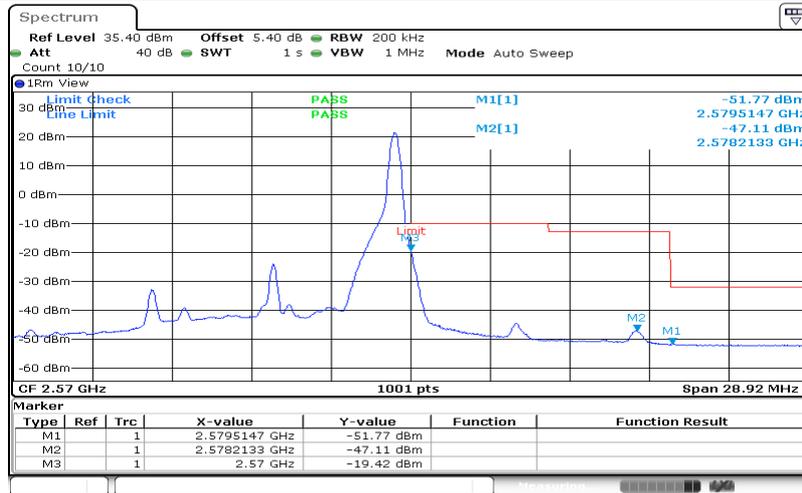
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Date: 12 APR 2020 02:56:43

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



Date: 9 APR 2020 17:21:03

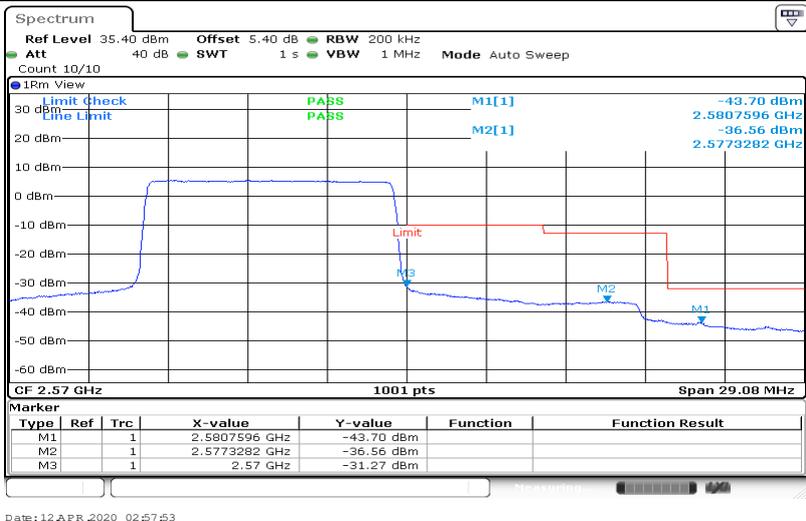
Band7-10MHz-QPSK-21400-50RB#0



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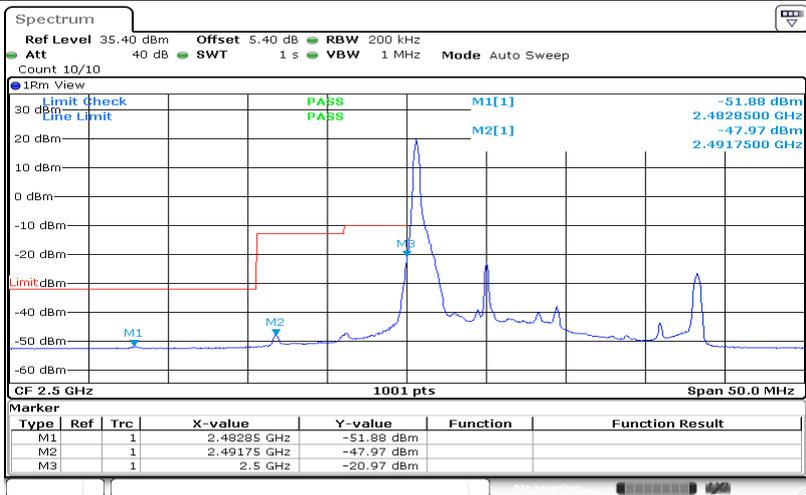
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Date: 12 APR 2020 02:57:53

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

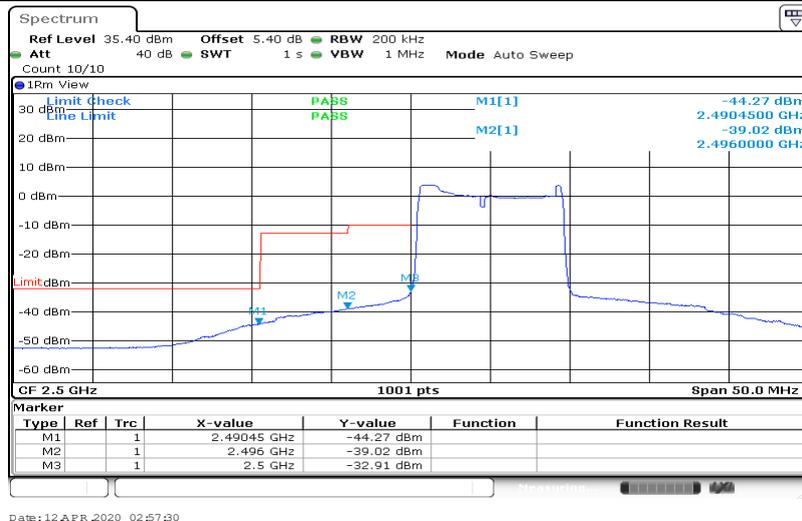


Date: 9 APR 2020 17:20:35

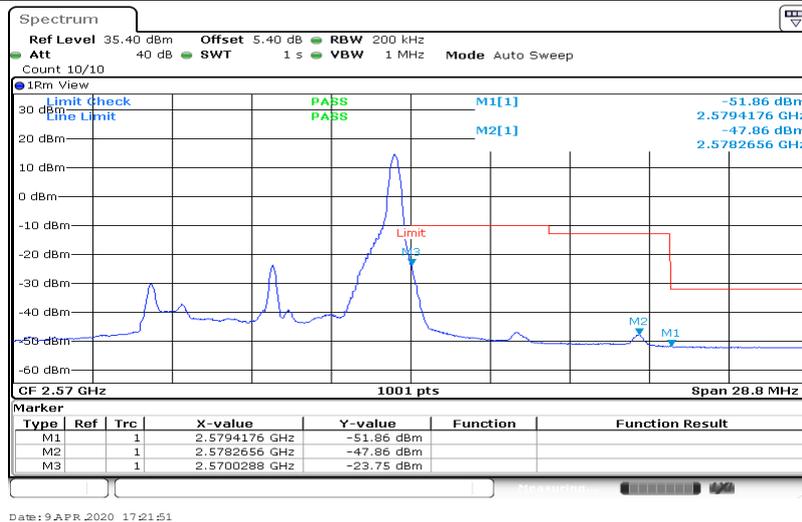
Band7-10MHz-64QAM-20800-50RB#0



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



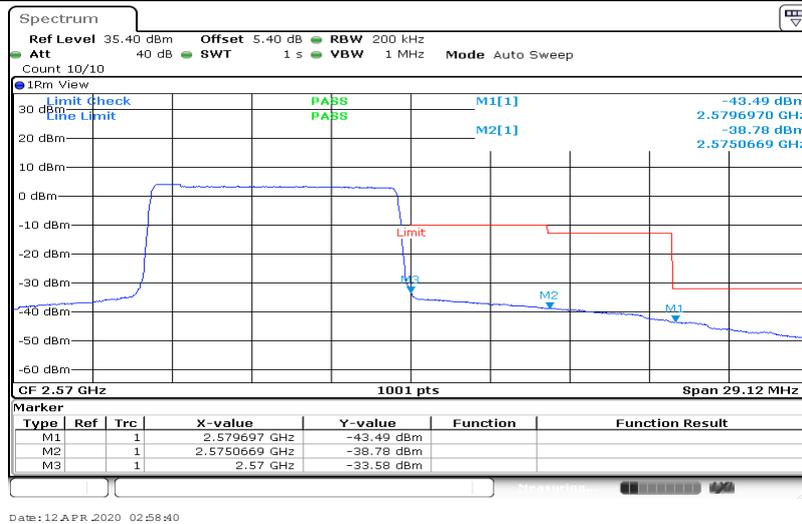
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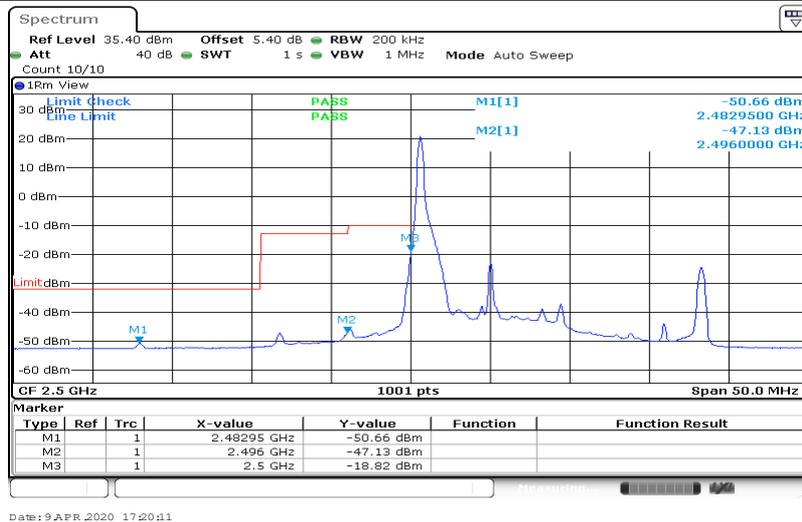
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Band7-10MHz-16QAM-20800-1RB#0



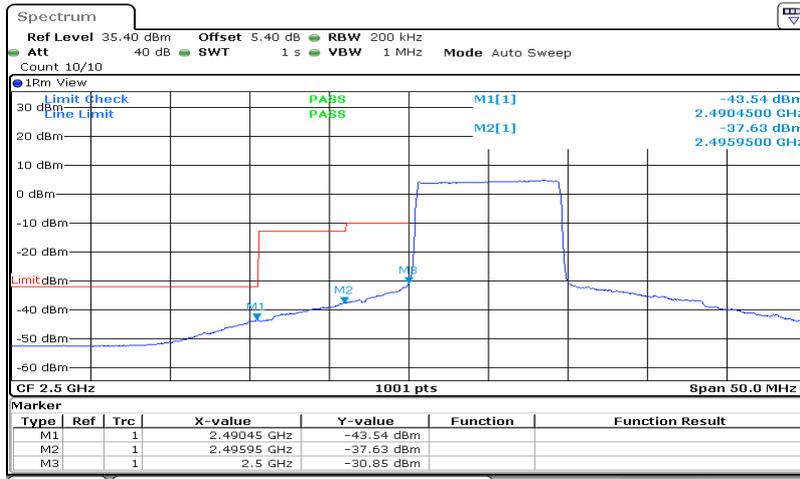
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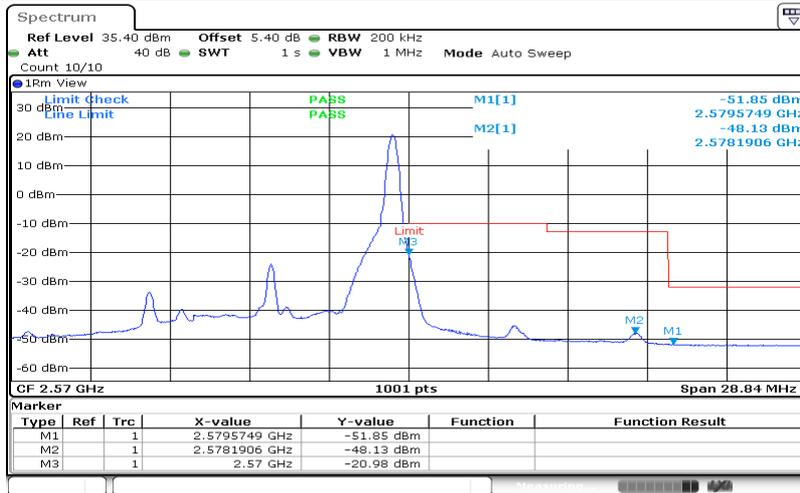
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Date: 12 APR 2020 02:57:07

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

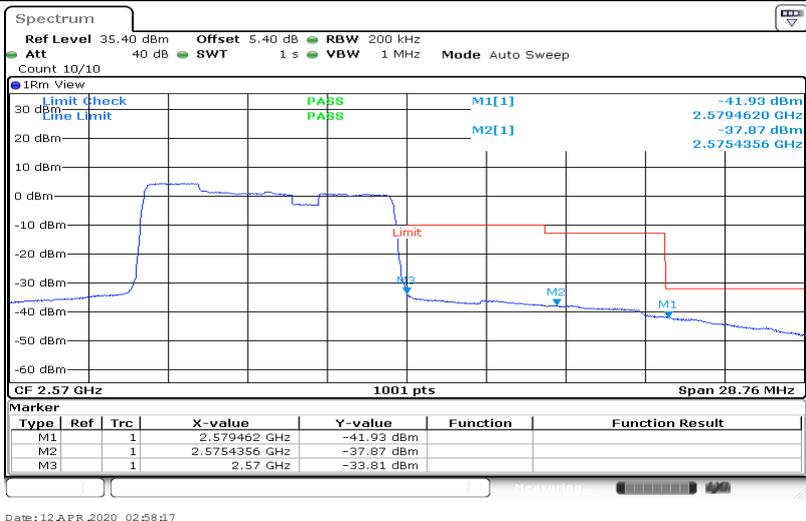


Date: 9 APR 2020 17:21:27

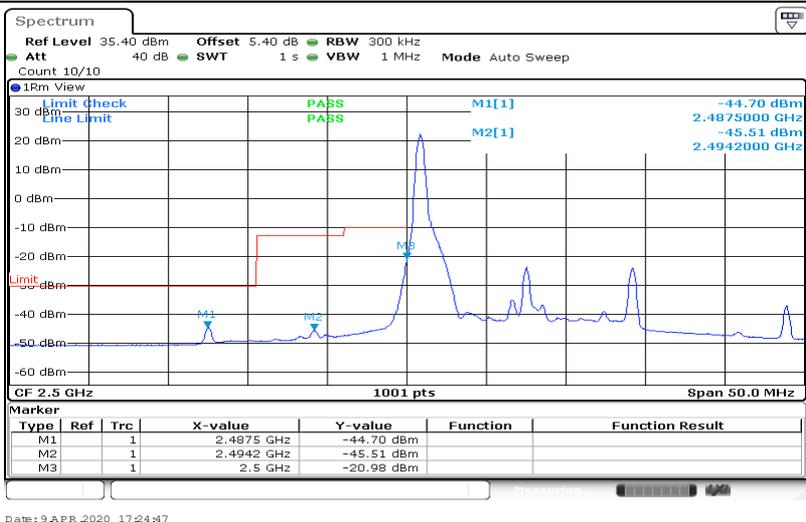
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Band7-15MHz-QPSK-20825-1RB#0



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



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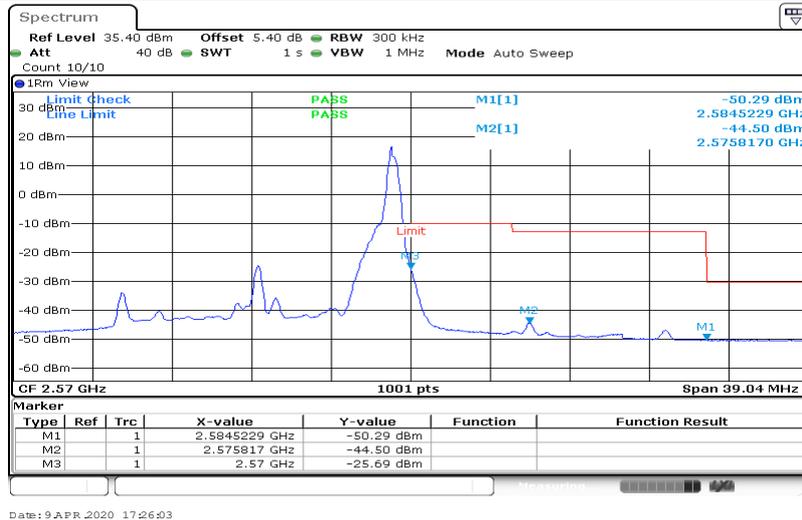
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Date: 12 APR 2020 03:01:39

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

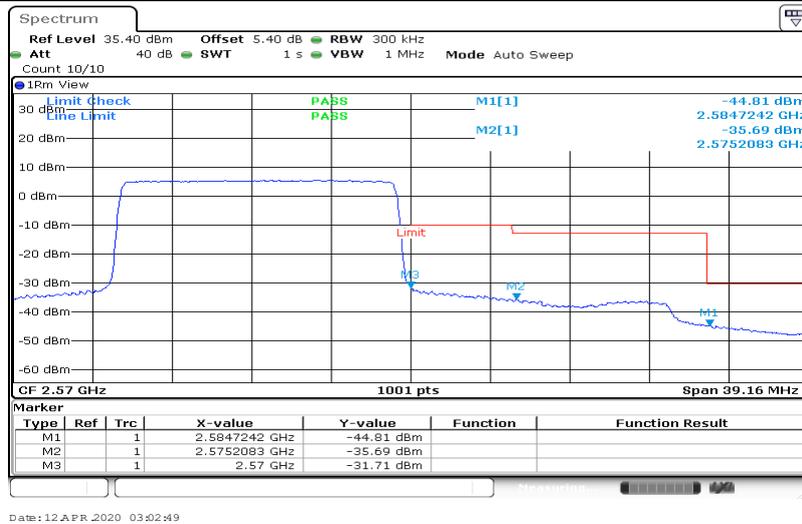


Date: 9 APR 2020 17:26:03

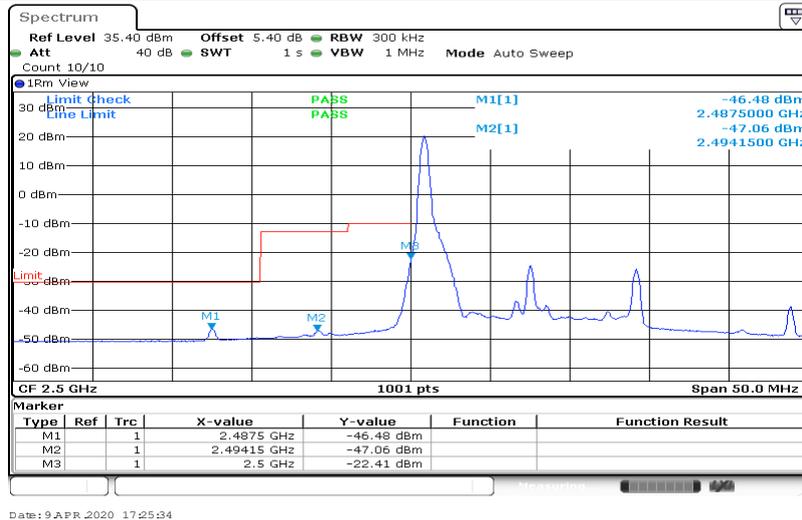
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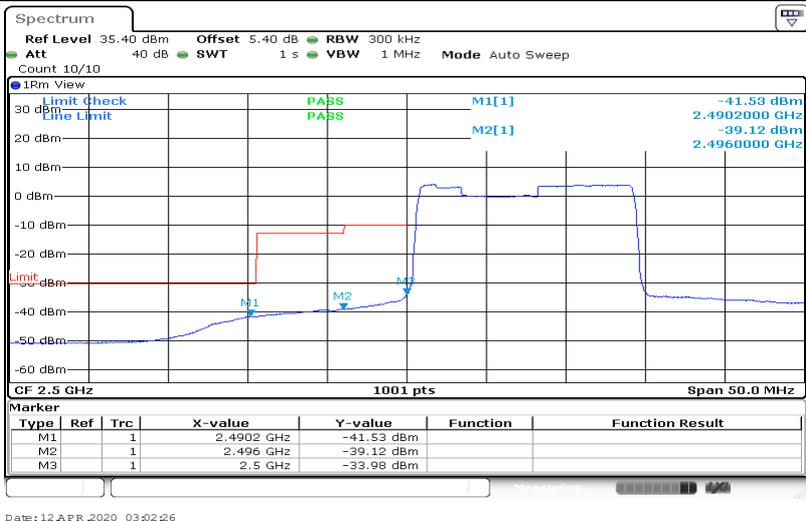
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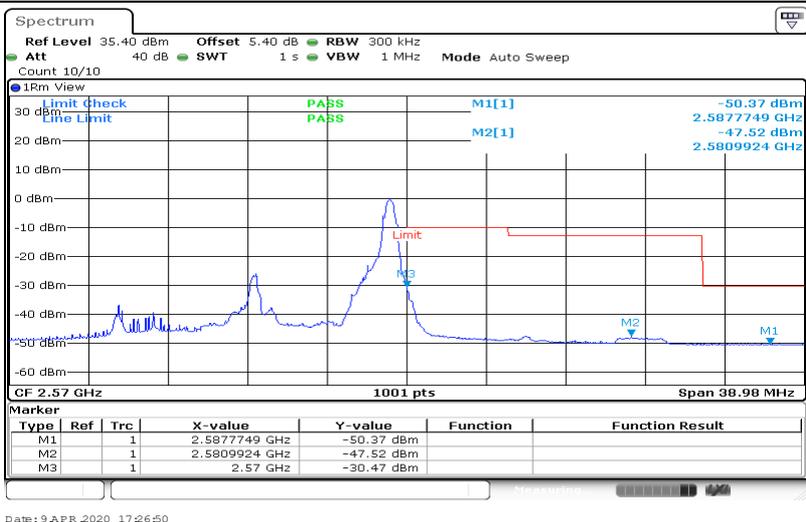
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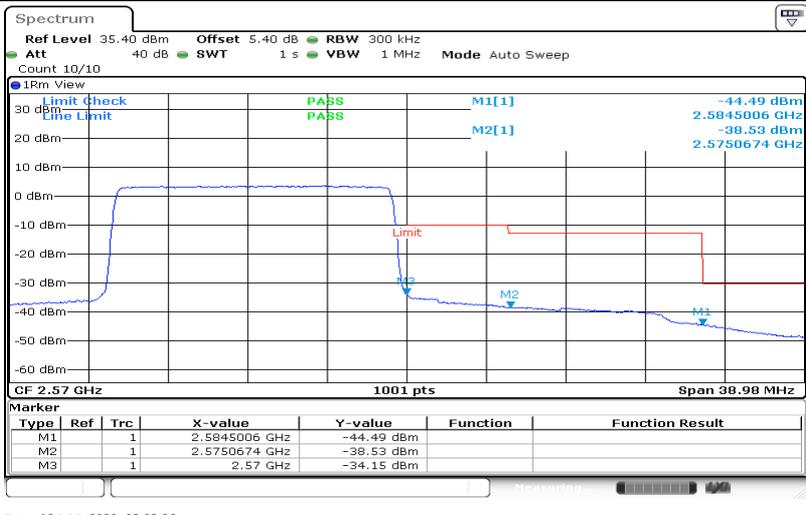
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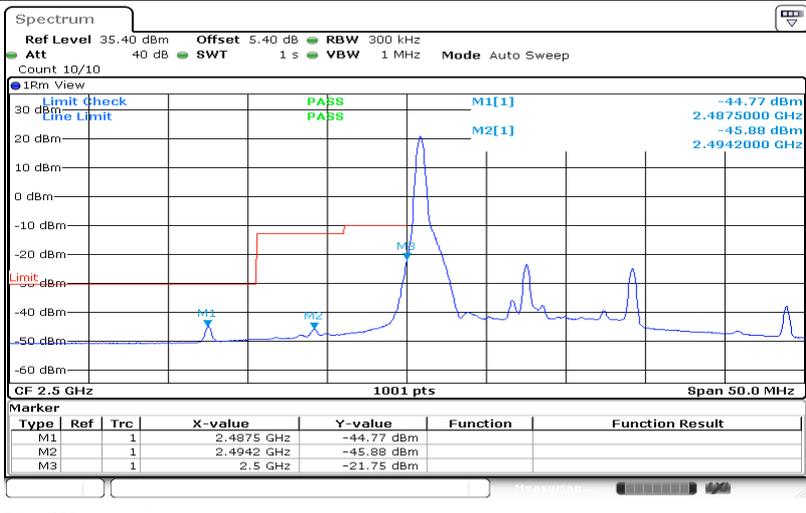


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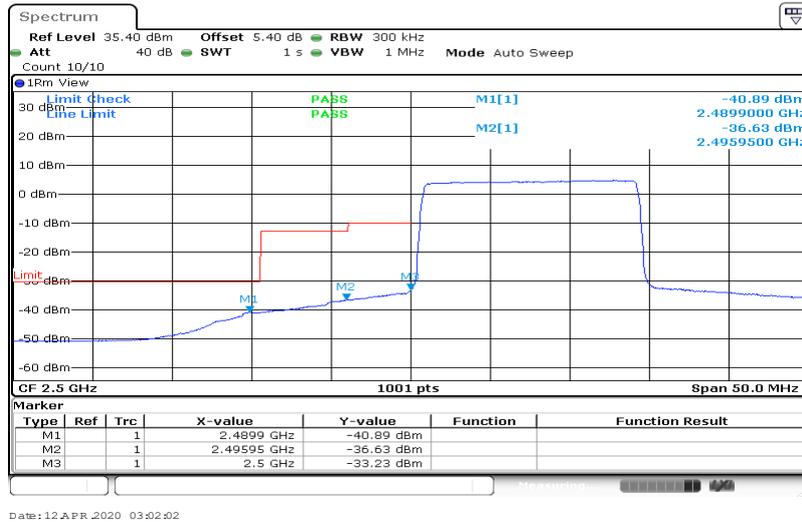


Date: 9 APR 2020 17:25:10

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

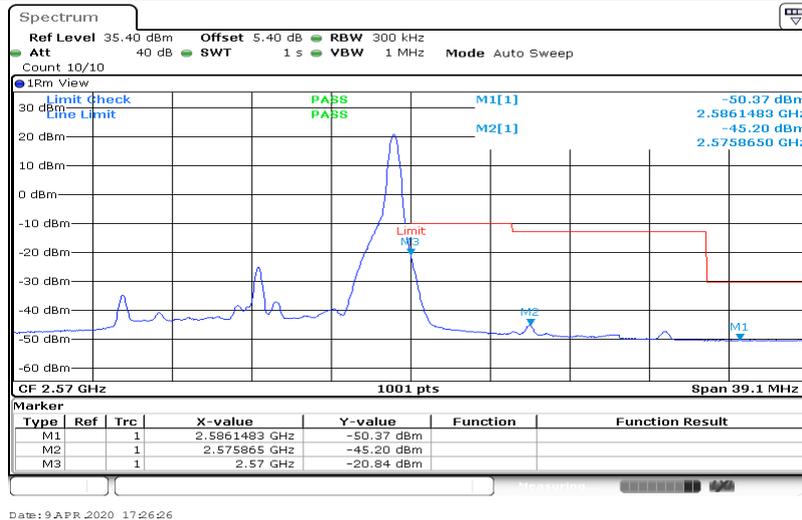


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Date: 12 APR 2020 03:02:02

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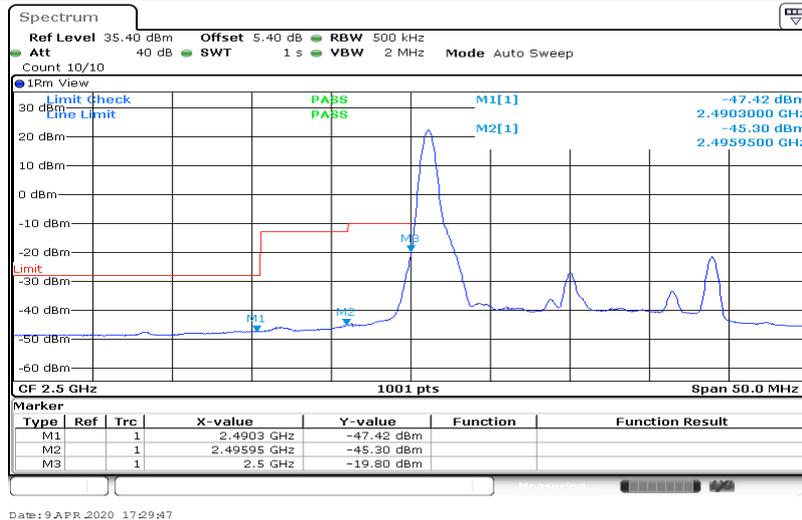
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Band7-20MHz-QPSK-20850-1RB#0



Date: 9 APR 2020 17:29:47

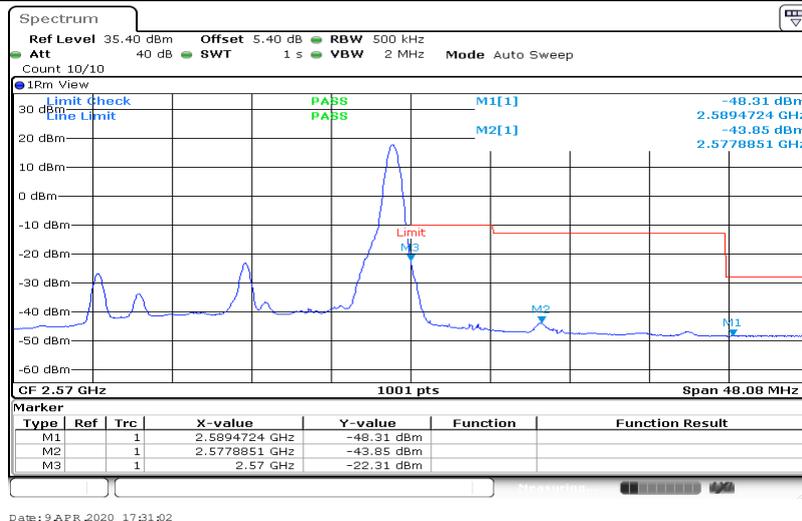
Band7-20MHz-QPSK-21350-1RB#99



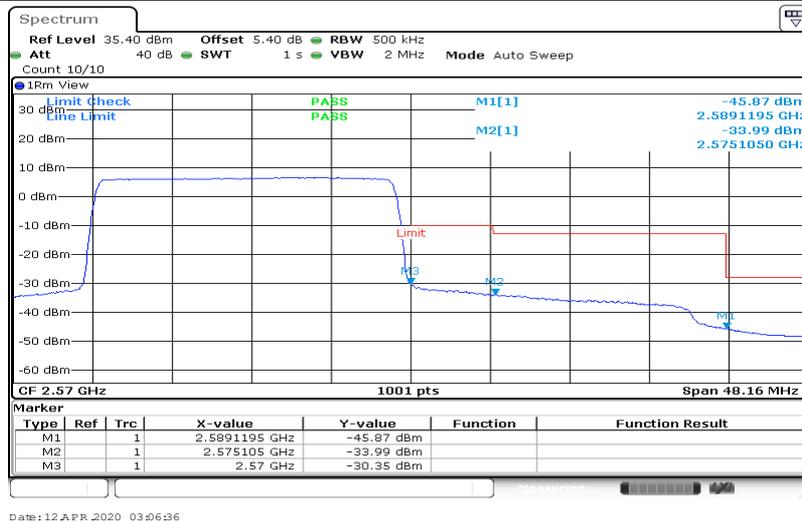
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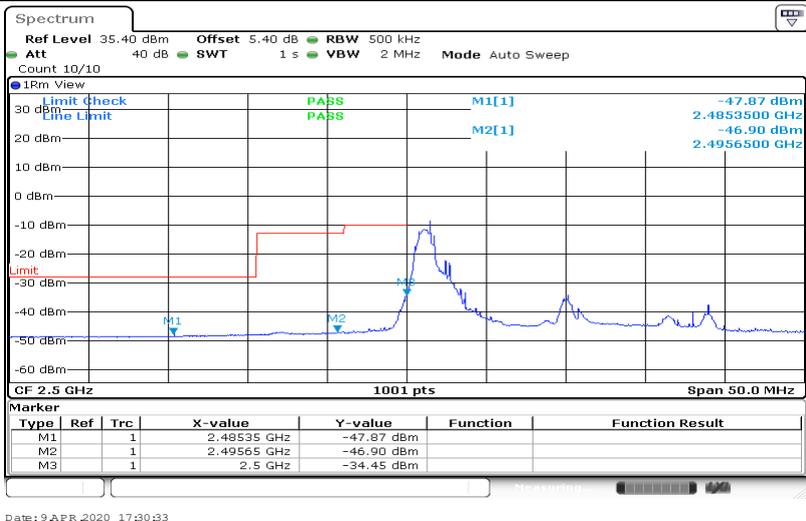
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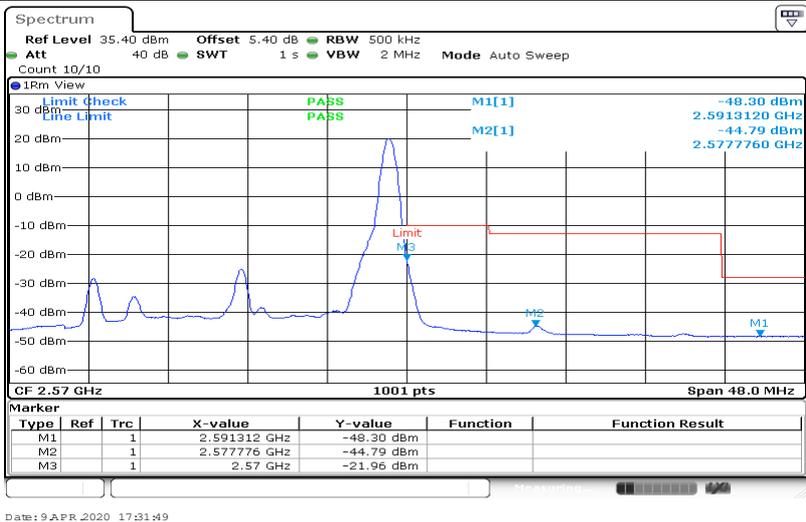
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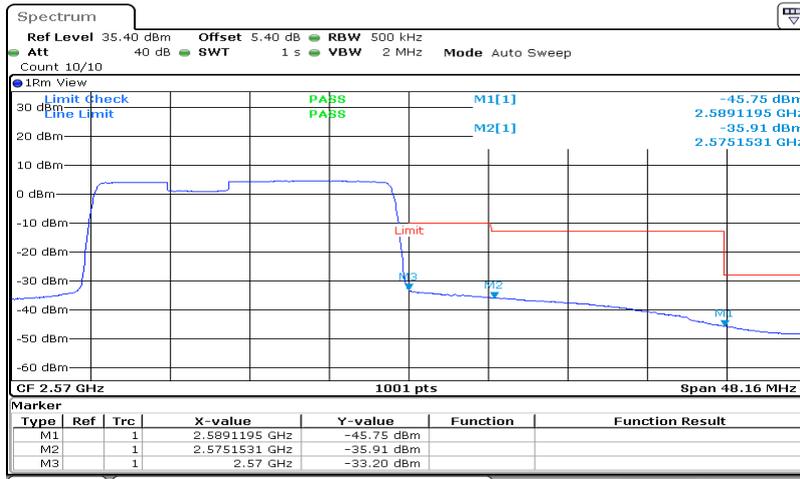
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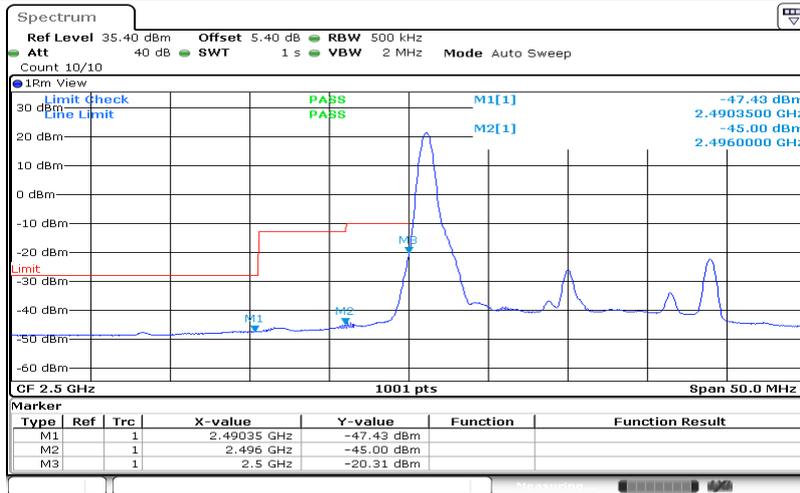
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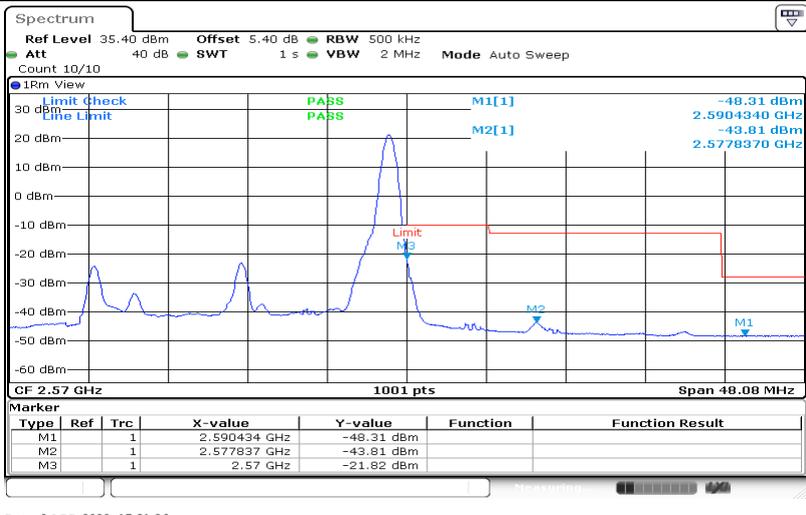


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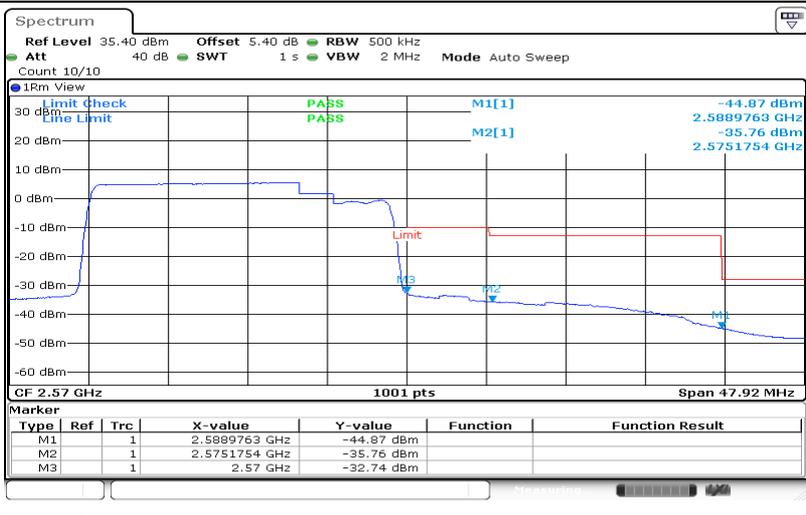


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Band7-20MHz-16QAM-21350-100RB#0



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## 6. Spurious Emission at Antenna Terminal

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

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

### 6.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	20MHz	QPSK	20850	1RB#0	Range1:30~1000MHz	-49.05	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range2:1000~30000MHz	-42.24	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-49.3	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range2:1000~30000MHz	-41.78	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range1:30~1000MHz	-48.86	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range2:1000~30000MHz	-41.95	PASS
Band7	20MHz	64QAM	20850	1RB#0	Range1:30~1000MHz	-48.66	PASS
Band7	20MHz	64QAM	20850	1RB#0	Range2:1000~30000MHz	-41.87	PASS
Band7	20MHz	64QAM	21100	1RB#0	Range1:30~1000MHz	-48.74	PASS
Band7	20MHz	64QAM	21100	1RB#0	Range2:1000~30000MHz	-41.6	PASS
Band7	20MHz	64QAM	21350	1RB#0	Range1:30~1000MHz	-48.9	PASS
Band7	20MHz	64QAM	21350	1RB#0	Range2:1000~30000MHz	-41.77	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range1:30~1000MHz	-49.26	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range2:1000~30000MHz	-41.65	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-48.71	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range2:1000~30000MHz	-41.84	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range1:30~1000MHz	-48.92	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range2:1000~30000MHz	-41.74	PASS

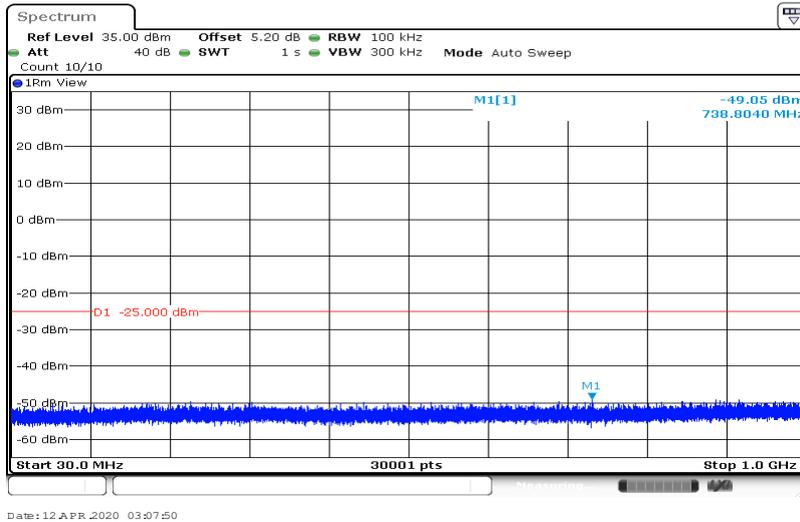
### 6.2. Test Plots

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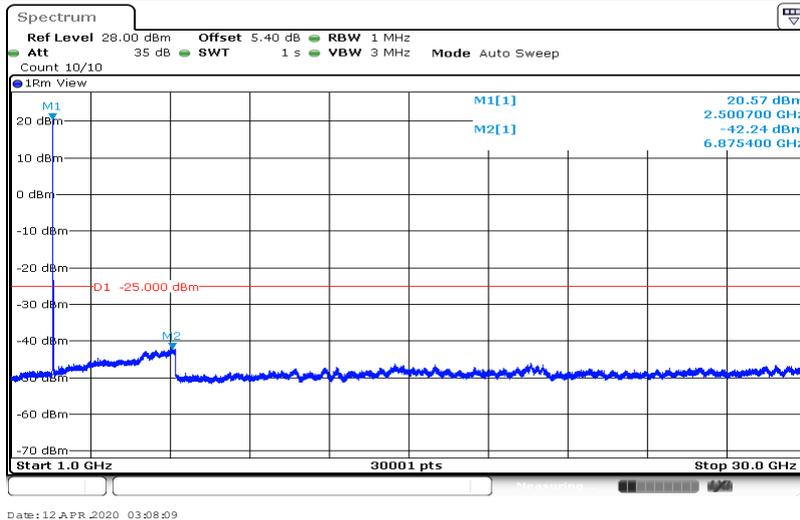


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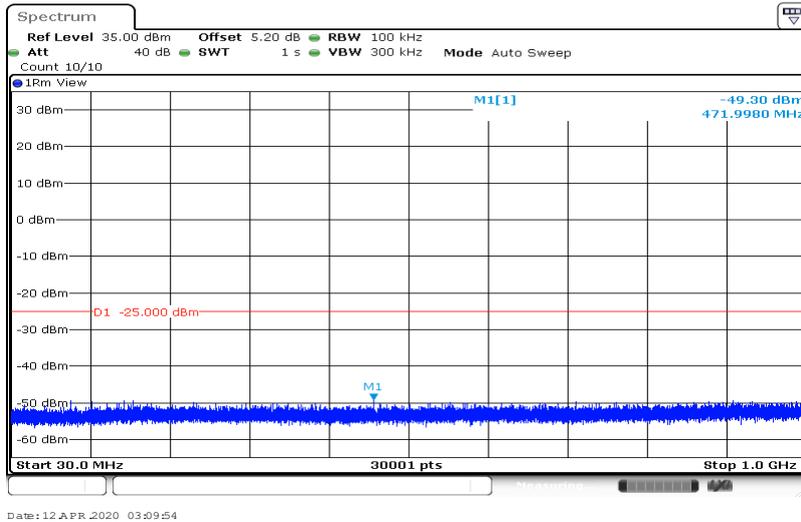
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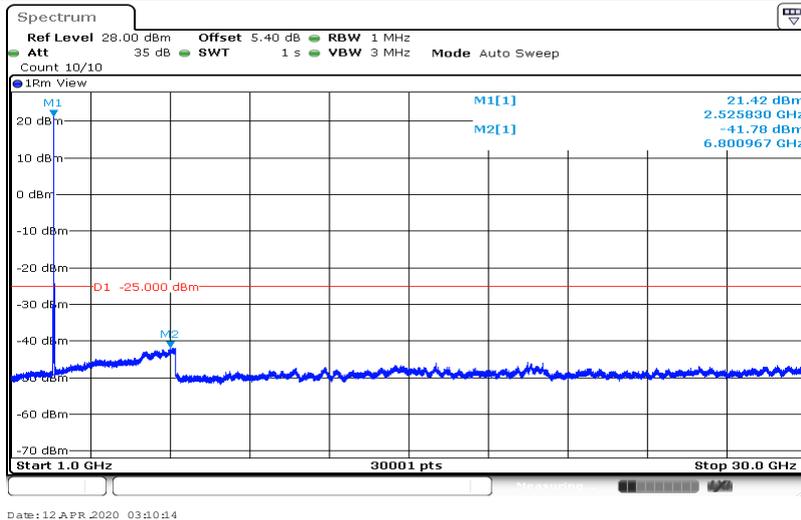
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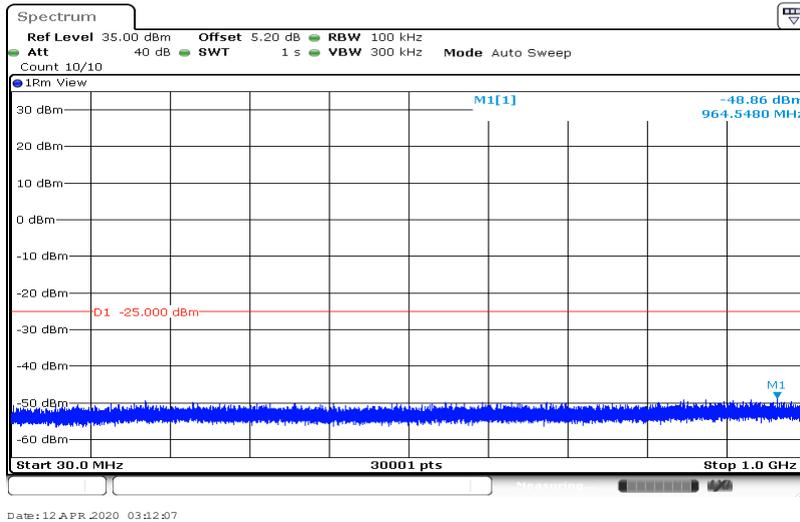
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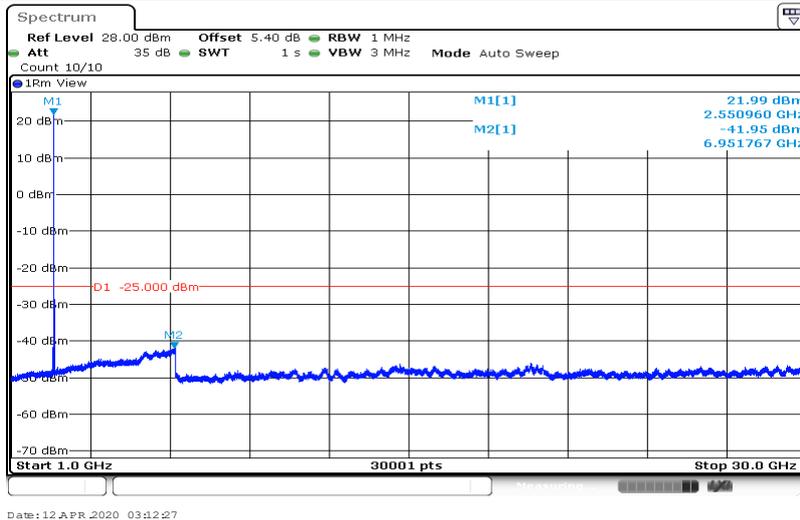
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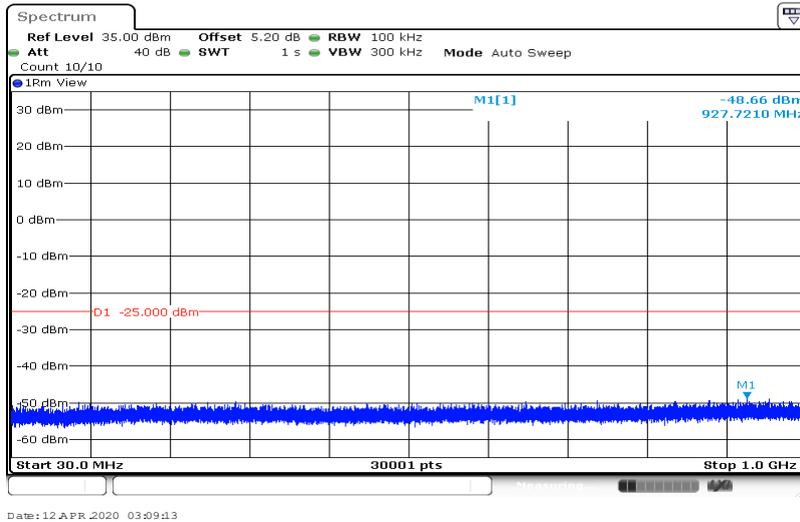
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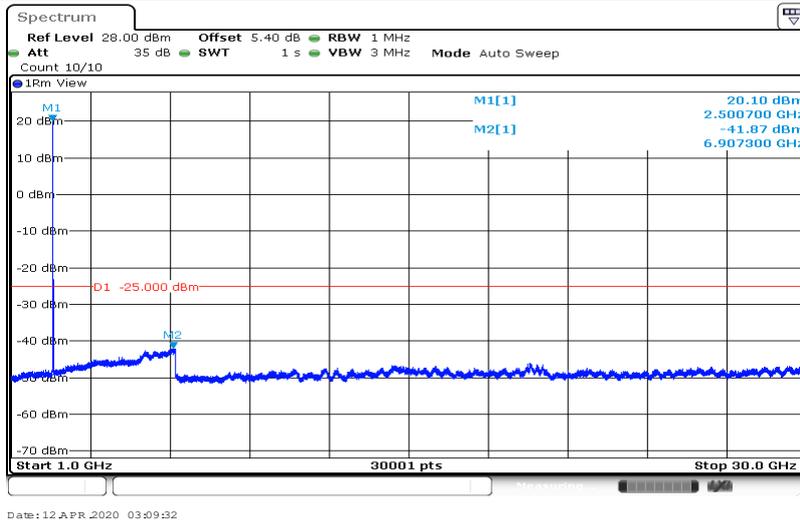
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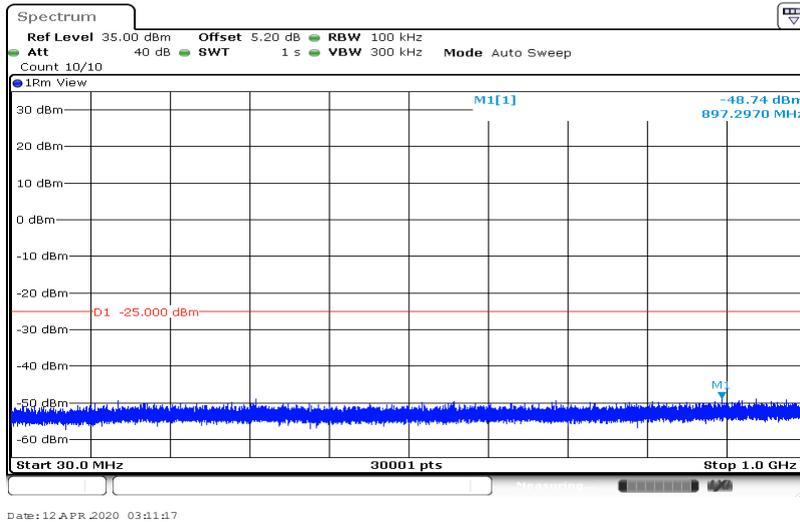
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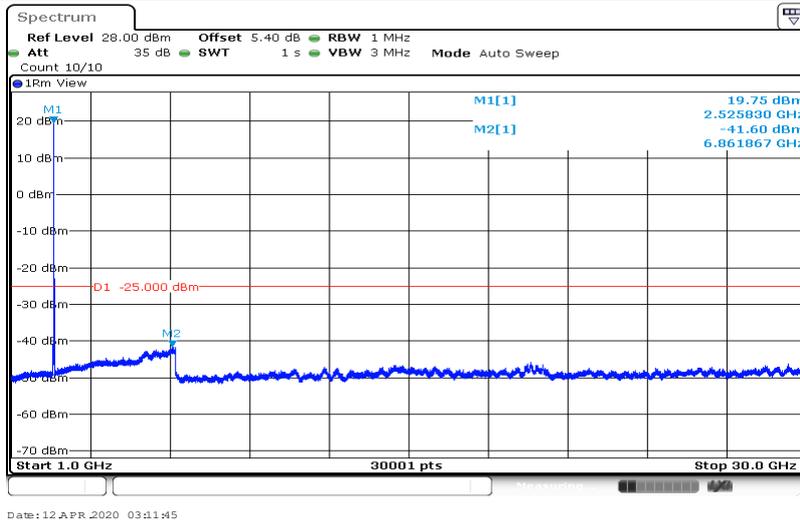
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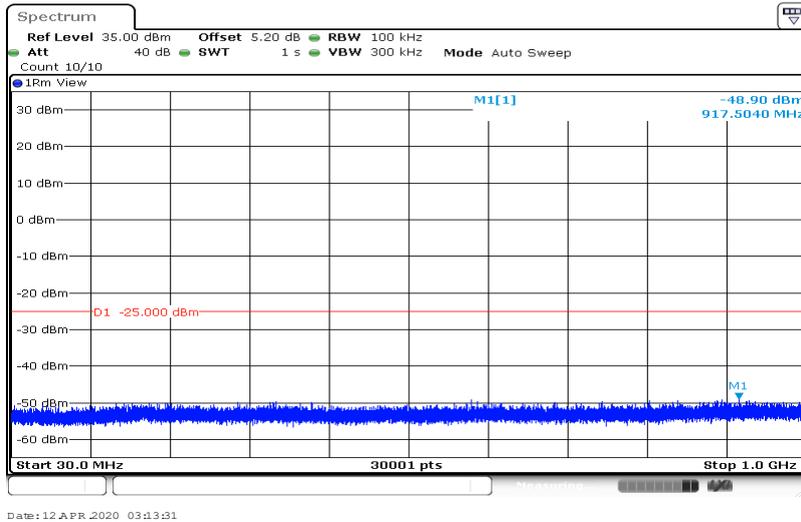
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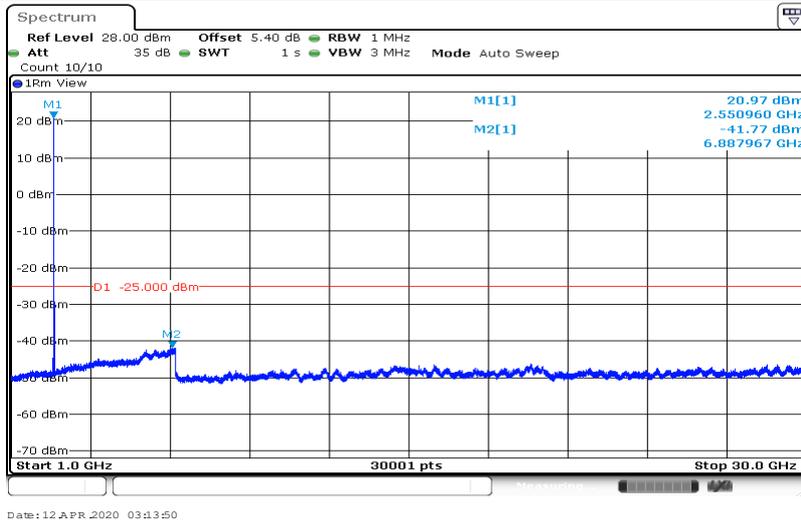
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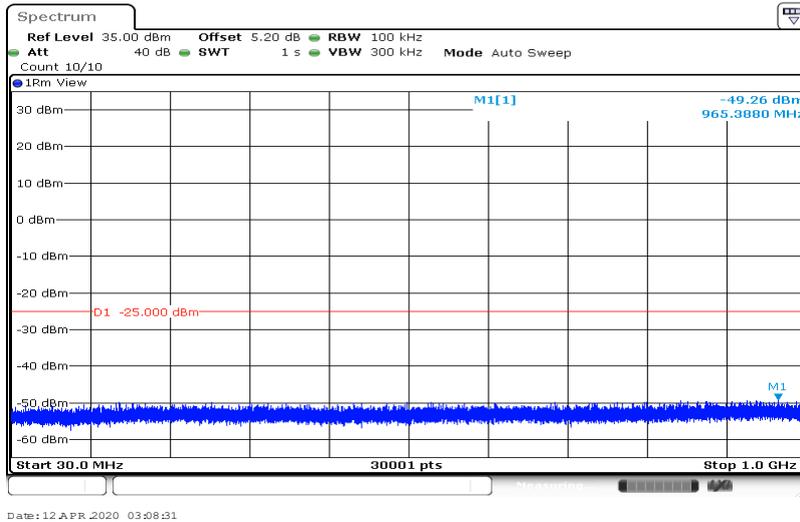
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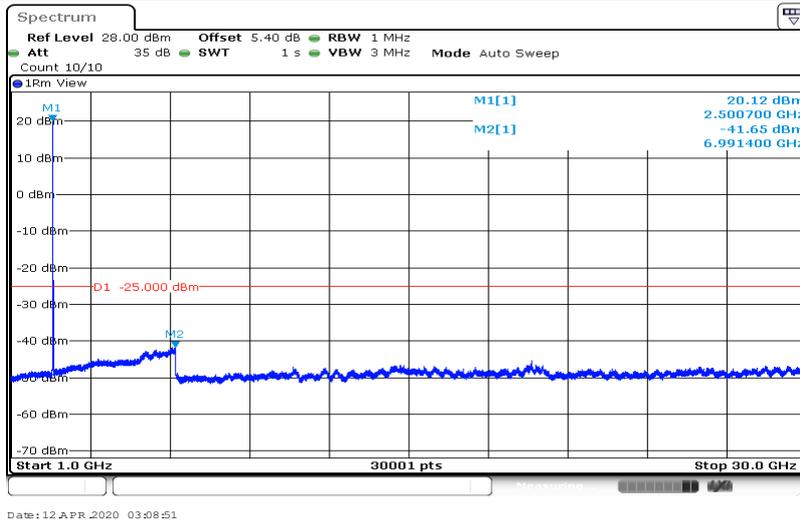
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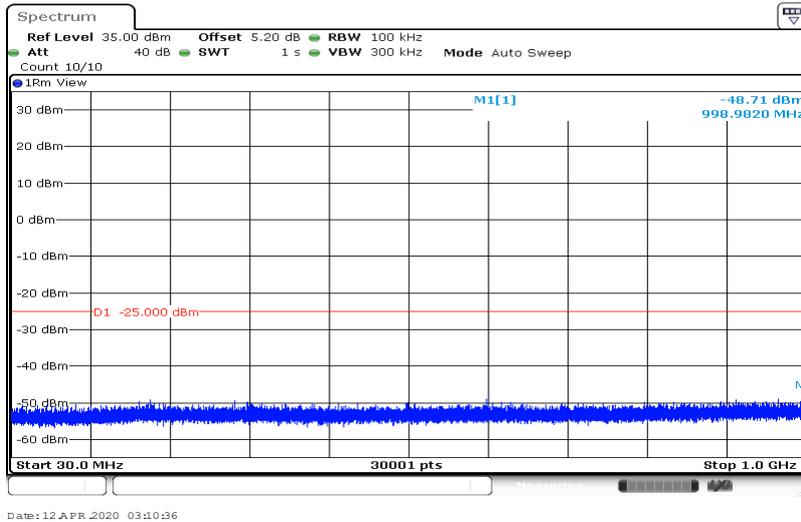
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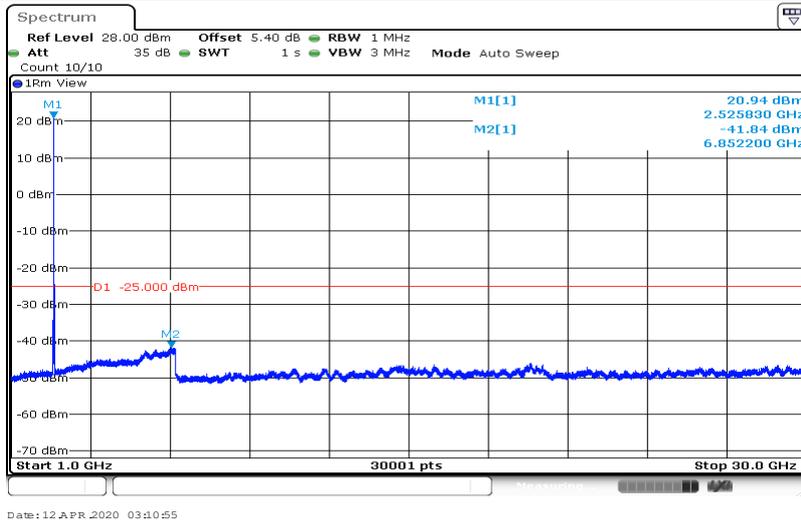
**Band7-20MHz-16QAM-21100-1RB#0-Range1:30~1000MHz**



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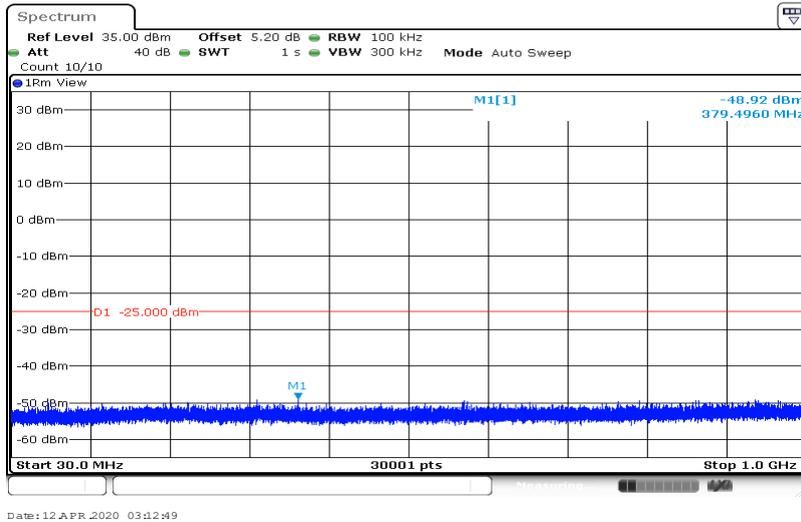
**Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~30000MHz**



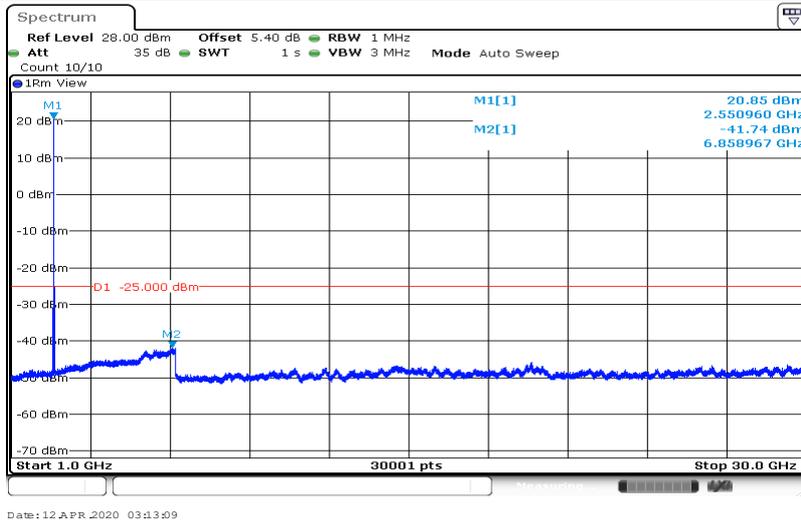
**Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1000MHz**



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



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## 7. Field Strength of Spurious Radiation

### 7.1.1. Test Mode = LTE/TM1 20MHz(Down Ant)

#### 7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
53.9117	-72.62	-25.00	47.62	Vertical
107.2159	-65.95	-25.00	40.95	Vertical
439.7485	-67.25	-25.00	42.25	Vertical
2948.7898	-39.13	-25.00	14.13	Vertical
7944.7978	-57.09	-25.00	32.09	Vertical
17993.9998	-40.99	-25.00	15.99	Vertical
45.0843	-64.31	-25.00	39.31	Horizontal
241.8101	-69.21	-25.00	44.21	Horizontal
619.3530	-63.83	-25.00	38.83	Horizontal
2987.9976	-39.43	-25.00	14.43	Horizontal
7503.1801	-52.09	-25.00	27.09	Horizontal
16365.5346	-44.77	-25.00	19.77	Horizontal

#### 7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
51.8261	-71.73	-25.00	46.73	Vertical
110.8535	-65.23	-25.00	40.23	Vertical
454.6387	-67.34	-25.00	42.34	Vertical
2985.5971	-39.45	-25.00	14.45	Vertical
7578.1831	-56.20	-25.00	31.20	Vertical
17997.5999	-40.36	-25.00	15.36	Vertical
45.8118	-64.61	-25.00	39.61	Horizontal
231.2851	-68.84	-25.00	43.84	Horizontal
506.9728	-65.68	-25.00	40.68	Horizontal
2995.5991	-39.49	-25.00	14.49	Horizontal
7578.1831	-54.36	-25.00	29.36	Horizontal
16386.5355	-44.72	-25.00	19.72	Horizontal

#### 7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.3525	-71.85	-25.00	46.85	Vertical



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110.2230	-65.28	-25.00	40.28	Vertical
620.3715	-64.66	-25.00	39.66	Vertical
2954.3909	-39.35	-25.00	14.35	Vertical
7349.5740	-56.45	-25.00	31.45	Vertical
17994.5998	-40.79	-25.00	15.79	Vertical
44.8417	-64.16	-25.00	39.16	Horizontal
232.2066	-68.92	-25.00	43.92	Horizontal
599.4185	-64.52	-25.00	39.52	Horizontal
2981.5963	-39.20	-25.00	14.20	Horizontal
7653.1861	-56.12	-25.00	31.12	Horizontal
16399.1360	-44.67	-25.00	19.67	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	-10.10	-0.004024	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	-18.30	-0.007291	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	-7.90	-0.003147	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	5.00	0.001972	±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	-5.00	-0.001972	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	-4.40	-0.001719	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-2.80	-0.001094	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-1.90	-0.000742	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VL	NT	-16.40	-0.006534	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VN	NT	-16.00	-0.006375	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VH	NT	-12.00	-0.004781	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VL	NT	8.20	0.003235	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VN	NT	-3.30	-0.001302	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VH	NT	7.30	0.002880	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VL	NT	3.10	0.001211	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VN	NT	-8.10	-0.003164	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VH	NT	-1.30	-0.000508	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	-17.20	-0.006853	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	-12.90	-0.005139	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	-17.40	-0.006932	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	6.30	0.002485	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	1.80	0.000710	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-10.60	-0.004181	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	-8.20	-0.003203	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	-7.80	-0.003047	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	-2.60	-0.001016	±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	-12.80	-0.005100	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-16.50	-0.006574	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	-16.00	-0.006375	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-7.10	-0.002829	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	-17.00	-0.006773	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	-2.90	-0.001155	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	-19.00	-0.007570	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	-18.40	-0.007331	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	0.10	0.000039	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	3.40	0.001341	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	5.80	0.002288	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-9.20	-0.003629	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-4.70	-0.001854	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	5.20	0.002051	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-4.10	-0.001617	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	0.30	0.000118	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-10.00	-0.003906	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-5.50	-0.002148	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	6.10	0.002383	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-8.10	-0.003164	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-1.00	-0.000391	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	6.00	0.002344	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	7.80	0.003047	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-7.00	-0.002734	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-30	-3.40	-0.001355	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-20	-14.50	-0.005777	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	0	-16.20	-0.006454	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	10	-4.50	-0.001793	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	20	-15.10	-0.006016	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	30	-14.00	-0.005578	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	40	-18.00	-0.007171	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	50	-6.10	-0.002430	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-30	-1.90	-0.000750	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-20	1.80	0.000710	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	0	5.90	0.002327	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	10	-1.20	-0.000473	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	20	2.90	0.001144	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	30	6.10	0.002406	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	40	7.70	0.003037	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	50	8.30	0.003274	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-30	6.30	0.002461	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-20	2.00	0.000781	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	0	4.20	0.001641	±2.5	PASS



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Band7	20MHz	64QAM	21350	100RB#0	NV	10	-7.40	-0.002891	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	20	7.10	0.002773	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	30	-0.20	-0.000078	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	40	2.00	0.000781	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	50	4.20	0.001641	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	-18.30	-0.007291	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	-8.50	-0.003386	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	-16.50	-0.006574	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	-15.30	-0.006096	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	-19.00	-0.007570	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	30	-18.00	-0.007171	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	-17.10	-0.006813	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	-14.10	-0.005618	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	-6.10	-0.002406	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-4.00	-0.001578	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-3.40	-0.001341	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-3.50	-0.001381	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-6.50	-0.002564	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	-9.60	-0.003787	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	4.70	0.001854	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	3.80	0.001499	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	-0.10	-0.000039	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	-2.90	-0.001133	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	-4.40	-0.001719	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	-9.90	-0.003867	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	5.80	0.002266	±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	3.80	0.001484	±2.5	PASS



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