



Appendix B

E-UTRA Band 7



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

DOWN ANTENNA:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	19.76	18.36	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	19.85	18.45	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	19.82	18.42	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#0	19.71	18.31	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#6	19.80	18.4	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#13	19.74	18.34	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	19.74	18.34	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	20.22	18.82	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	20.19	18.79	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	20.30	18.9	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#0	20.19	18.79	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#6	20.34	18.94	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#13	20.42	19.02	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	20.30	18.9	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	20.67	19.27	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	20.79	19.39	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	20.60	19.2	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#0	20.78	19.38	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#6	20.81	19.41	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#13	20.78	19.38	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	20.73	19.33	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	20.13	18.73	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	19.89	18.49	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	19.92	18.52	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#0	19.63	18.23	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#6	19.72	18.32	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#13	19.78	18.38	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	19.60	18.2	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	20.55	19.15	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	20.44	19.04	33.00	PASS



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Band7	5MHz	16QAM	21100	1RB#24	20.45	19.05	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.05	18.65	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.19	18.79	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.06	18.66	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.20	18.8	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.08	19.68	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	20.79	19.39	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	20.72	19.32	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.52	19.12	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.52	19.12	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#13	20.50	19.1	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.57	19.17	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	21.13	19.73	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	21.18	19.78	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	21.30	19.9	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.11	19.71	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.22	19.82	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.40	20	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.29	19.89	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	21.62	20.22	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	21.63	20.23	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	21.75	20.35	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.69	20.29	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.72	20.32	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.71	20.31	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.75	20.35	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.01	20.61	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.13	20.73	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.14	20.74	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.08	20.68	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#12	22.16	20.76	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.15	20.75	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.14	20.74	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.16	19.76	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.46	20.06	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.12	19.72	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.09	19.69	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.21	19.81	33.00	PASS



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Band7	10MHz	16QAM	20800	25RB#25	21.29	19.89	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.17	19.77	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.77	20.37	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.75	20.35	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.21	20.81	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.64	20.24	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.63	20.23	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.58	20.18	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.58	20.18	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.43	21.03	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.13	20.73	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.47	21.07	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.94	20.54	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#12	22.11	20.71	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.86	20.46	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	22.02	20.62	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	21.14	19.74	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	21.31	19.91	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	21.39	19.99	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#0	21.13	19.73	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#18	21.29	19.89	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#37	21.38	19.98	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.27	19.87	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	21.51	20.11	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	21.59	20.19	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	21.66	20.26	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#0	21.65	20.25	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#18	21.72	20.32	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#37	21.78	20.38	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.71	20.31	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	21.84	20.44	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.00	20.6	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.12	20.72	33.00	PASS
Band7	15MHz	QPSK	21375	38RB#0	22.08	20.68	33.00	PASS
Band7	15MHz	QPSK	21375	38RB#18	22.20	20.8	33.00	PASS
Band7	15MHz	QPSK	21375	38RB#37	22.14	20.74	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.07	20.67	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.56	20.16	33.00	PASS



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Band7	15MHz	16QAM	20825	1RB#38	21.81	20.41	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.34	19.94	33.00	PASS
Band7	15MHz	16QAM	20825	38RB#0	21.01	19.61	33.00	PASS
Band7	15MHz	16QAM	20825	38RB#18	21.20	19.8	33.00	PASS
Band7	15MHz	16QAM	20825	38RB#37	21.17	19.77	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.07	19.67	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.91	20.51	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.74	20.34	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.12	20.72	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#0	21.57	20.17	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#18	21.40	20	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#37	21.56	20.16	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.54	20.14	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.21	20.81	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.32	20.92	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.97	20.57	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#0	21.88	20.48	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#18	22.05	20.65	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#37	21.96	20.56	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.87	20.47	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	21.16	19.76	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	21.32	19.92	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	21.44	20.04	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#0	21.17	19.77	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.27	19.87	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.33	19.93	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.27	19.87	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	21.38	19.98	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	21.67	20.27	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	21.64	20.24	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.57	20.17	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.78	20.38	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.63	20.23	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.63	20.23	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	21.75	20.35	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.07	20.67	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.15	20.75	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.98	20.58	33.00	PASS



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Band7	20MHz	QPSK	21350	50RB#25	22.03	20.63	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.10	20.7	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.15	20.75	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.30	19.9	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.77	20.37	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.63	20.23	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.07	19.67	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.25	19.85	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.23	19.83	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.07	19.67	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.48	20.08	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.81	20.41	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.19	20.79	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.38	19.98	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.53	20.13	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#50	21.56	20.16	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.54	20.14	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.60	20.2	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.45	21.05	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.24	20.84	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.81	20.41	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.98	20.58	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#50	22.07	20.67	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.86	20.46	33.00	PASS



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UP ANTENNA:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	20.47	18.97	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	20.41	18.91	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	20.42	18.92	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#0	20.45	18.95	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#6	20.49	18.99	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#13	20.40	18.90	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	20.46	18.96	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	20.94	19.44	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	21.16	19.66	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	21.11	19.61	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.05	19.55	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.06	19.56	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.18	19.68	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.12	19.62	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	21.93	20.43	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	21.97	20.47	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.01	20.51	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.99	20.49	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.09	20.59	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.99	20.49	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.97	20.47	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	20.74	19.24	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	20.54	19.04	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	20.83	19.33	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#0	19.45	17.95	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#6	19.54	18.04	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#13	19.43	17.93	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	19.41	17.91	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.11	19.61	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.42	19.92	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.40	19.90	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.07	18.57	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.24	18.74	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.15	18.65	33.00	PASS



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Band7	5MHz	16QAM	21100	25RB#0	20.23	18.73	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.70	20.20	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.09	20.59	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.12	20.62	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#0	21.09	19.59	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#6	21.09	19.59	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#13	21.02	19.52	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.13	19.63	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	20.46	18.96	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	20.43	18.93	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	20.44	18.94	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#0	20.45	18.95	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#12	20.47	18.97	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#25	20.59	19.09	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	20.52	19.02	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	20.91	19.41	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	20.99	19.49	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	21.20	19.70	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.10	19.60	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.11	19.61	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.09	19.59	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.05	19.55	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	21.81	20.31	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	21.88	20.38	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	21.89	20.39	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.01	20.51	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.98	20.48	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.01	20.51	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.96	20.46	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	20.74	19.24	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	20.82	19.32	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	20.67	19.17	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#0	19.45	17.95	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#12	19.61	18.11	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#25	19.66	18.16	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	19.47	17.97	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.06	19.56	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.17	19.67	33.00	PASS



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Band7	10MHz	16QAM	21100	1RB#49	21.64	20.14	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.09	18.59	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.26	18.76	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.18	18.68	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.18	18.68	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.76	20.26	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.11	20.61	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.12	20.62	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.97	19.47	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.01	19.51	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.96	19.46	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.97	19.47	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	20.41	18.91	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	20.53	19.03	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	20.48	18.98	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#0	20.47	18.97	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#18	20.47	18.97	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#37	20.71	19.21	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	20.46	18.96	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	20.86	19.36	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	20.96	19.46	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	21.24	19.74	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#0	21.16	19.66	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#18	21.05	19.55	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#37	21.19	19.69	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.06	19.56	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	21.54	20.04	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	21.81	20.31	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	21.96	20.46	33.00	PASS
Band7	15MHz	QPSK	21375	38RB#0	21.77	20.27	33.00	PASS
Band7	15MHz	QPSK	21375	38RB#18	21.85	20.35	33.00	PASS
Band7	15MHz	QPSK	21375	38RB#37	21.94	20.44	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.73	20.23	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	20.71	19.21	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	20.65	19.15	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.06	19.56	33.00	PASS
Band7	15MHz	16QAM	20825	38RB#0	19.42	17.92	33.00	PASS
Band7	15MHz	16QAM	20825	38RB#18	19.48	17.98	33.00	PASS



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Band7	15MHz	16QAM	20825	38RB#37	19.74	18.24	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	19.53	18.03	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.02	19.52	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.15	19.65	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.24	19.74	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#0	20.05	18.55	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#18	20.09	18.59	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#37	20.28	18.78	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.30	18.80	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.43	19.93	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.77	20.27	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.02	20.52	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#0	20.70	19.20	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#18	20.89	19.39	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#37	20.81	19.31	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.83	19.33	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	20.46	18.96	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	20.54	19.04	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	20.61	19.11	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#0	20.48	18.98	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#25	20.55	19.05	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#50	20.79	19.29	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	20.52	19.02	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	20.73	19.23	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	21.22	19.72	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	21.24	19.74	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.05	19.55	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.14	19.64	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.18	19.68	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.14	19.64	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	21.29	19.79	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	21.68	20.18	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	21.88	20.38	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.67	20.17	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.83	20.33	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#50	21.77	20.27	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.71	20.21	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	20.68	19.18	33.00	PASS



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Band7	20MHz	16QAM	20850	1RB#49	20.65	19.15	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.13	19.63	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#0	19.42	17.92	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	19.58	18.08	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#50	19.67	18.17	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	19.51	18.01	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	20.96	19.46	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.42	19.92	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.43	19.93	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#0	20.07	18.57	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#25	20.05	18.55	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.36	18.86	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.17	18.67	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.94	20.44	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.95	20.45	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.00	20.50	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#0	20.60	19.10	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.79	19.29	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.72	19.22	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.71	19.21	33.00	PASS



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ANT2:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0			33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12			33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24			33.00	PASS
Band7	5MHz	QPSK	20775	12RB#0			33.00	PASS
Band7	5MHz	QPSK	20775	12RB#6			33.00	PASS
Band7	5MHz	QPSK	20775	12RB#13			33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0			33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0			33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12			33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24			33.00	PASS
Band7	5MHz	QPSK	21100	12RB#0			33.00	PASS
Band7	5MHz	QPSK	21100	12RB#6			33.00	PASS
Band7	5MHz	QPSK	21100	12RB#13			33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0			33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0			33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12			33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24			33.00	PASS
Band7	5MHz	QPSK	21425	12RB#0			33.00	PASS
Band7	5MHz	QPSK	21425	12RB#6			33.00	PASS
Band7	5MHz	QPSK	21425	12RB#13			33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0			33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0			33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12			33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24			33.00	PASS
Band7	5MHz	16QAM	20775	12RB#0			33.00	PASS
Band7	5MHz	16QAM	20775	12RB#6			33.00	PASS
Band7	5MHz	16QAM	20775	12RB#13			33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0			33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0			33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12			33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24			33.00	PASS
Band7	5MHz	16QAM	21100	12RB#0			33.00	PASS
Band7	5MHz	16QAM	21100	12RB#6			33.00	PASS
Band7	5MHz	16QAM	21100	12RB#13			33.00	PASS



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Band7	5MHz	16QAM	21100	25RB#0			33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0			33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12			33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24			33.00	PASS
Band7	5MHz	16QAM	21425	12RB#0			33.00	PASS
Band7	5MHz	16QAM	21425	12RB#6			33.00	PASS
Band7	5MHz	16QAM	21425	12RB#13			33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0			33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0			33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24			33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49			33.00	PASS
Band7	10MHz	QPSK	20800	25RB#0			33.00	PASS
Band7	10MHz	QPSK	20800	25RB#12			33.00	PASS
Band7	10MHz	QPSK	20800	25RB#25			33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0			33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0			33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24			33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49			33.00	PASS
Band7	10MHz	QPSK	21100	25RB#0			33.00	PASS
Band7	10MHz	QPSK	21100	25RB#12			33.00	PASS
Band7	10MHz	QPSK	21100	25RB#25			33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0			33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0			33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24			33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49			33.00	PASS
Band7	10MHz	QPSK	21400	25RB#0			33.00	PASS
Band7	10MHz	QPSK	21400	25RB#12			33.00	PASS
Band7	10MHz	QPSK	21400	25RB#25			33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0			33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0			33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24			33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49			33.00	PASS
Band7	10MHz	16QAM	20800	25RB#0			33.00	PASS
Band7	10MHz	16QAM	20800	25RB#12			33.00	PASS
Band7	10MHz	16QAM	20800	25RB#25			33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0			33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0			33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24			33.00	PASS



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Band7	10MHz	16QAM	21100	1RB#49			33.00	PASS
Band7	10MHz	16QAM	21100	25RB#0			33.00	PASS
Band7	10MHz	16QAM	21100	25RB#12			33.00	PASS
Band7	10MHz	16QAM	21100	25RB#25			33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0			33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0			33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24			33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49			33.00	PASS
Band7	10MHz	16QAM	21400	25RB#0			33.00	PASS
Band7	10MHz	16QAM	21400	25RB#12			33.00	PASS
Band7	10MHz	16QAM	21400	25RB#25			33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0			33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0			33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38			33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74			33.00	PASS
Band7	15MHz	QPSK	20825	38RB#0			33.00	PASS
Band7	15MHz	QPSK	20825	38RB#18			33.00	PASS
Band7	15MHz	QPSK	20825	38RB#37			33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0			33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0			33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38			33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74			33.00	PASS
Band7	15MHz	QPSK	21100	38RB#0			33.00	PASS
Band7	15MHz	QPSK	21100	38RB#18			33.00	PASS
Band7	15MHz	QPSK	21100	38RB#37			33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0			33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0			33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38			33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74			33.00	PASS
Band7	15MHz	QPSK	21375	38RB#0			33.00	PASS
Band7	15MHz	QPSK	21375	38RB#18			33.00	PASS
Band7	15MHz	QPSK	21375	38RB#37			33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0			33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0			33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38			33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74			33.00	PASS
Band7	15MHz	16QAM	20825	38RB#0			33.00	PASS
Band7	15MHz	16QAM	20825	38RB#18			33.00	PASS



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Band7	15MHz	16QAM	20825	38RB#37			33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0			33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0			33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38			33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74			33.00	PASS
Band7	15MHz	16QAM	21100	38RB#0			33.00	PASS
Band7	15MHz	16QAM	21100	38RB#18			33.00	PASS
Band7	15MHz	16QAM	21100	38RB#37			33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0			33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0			33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38			33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74			33.00	PASS
Band7	15MHz	16QAM	21375	38RB#0			33.00	PASS
Band7	15MHz	16QAM	21375	38RB#18			33.00	PASS
Band7	15MHz	16QAM	21375	38RB#37			33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0			33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0			33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49			33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99			33.00	PASS
Band7	20MHz	QPSK	20850	50RB#0			33.00	PASS
Band7	20MHz	QPSK	20850	50RB#25			33.00	PASS
Band7	20MHz	QPSK	20850	50RB#50			33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0			33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0			33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49			33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99			33.00	PASS
Band7	20MHz	QPSK	21100	50RB#0			33.00	PASS
Band7	20MHz	QPSK	21100	50RB#25			33.00	PASS
Band7	20MHz	QPSK	21100	50RB#50			33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0			33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0			33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49			33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99			33.00	PASS
Band7	20MHz	QPSK	21350	50RB#0			33.00	PASS
Band7	20MHz	QPSK	21350	50RB#25			33.00	PASS
Band7	20MHz	QPSK	21350	50RB#50			33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0			33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0			33.00	PASS



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Band7	20MHz	16QAM	20850	1RB#49			33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99			33.00	PASS
Band7	20MHz	16QAM	20850	50RB#0			33.00	PASS
Band7	20MHz	16QAM	20850	50RB#25			33.00	PASS
Band7	20MHz	16QAM	20850	50RB#50			33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0			33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0			33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49			33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99			33.00	PASS
Band7	20MHz	16QAM	21100	50RB#0			33.00	PASS
Band7	20MHz	16QAM	21100	50RB#25			33.00	PASS
Band7	20MHz	16QAM	21100	50RB#50			33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0			33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0			33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49			33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99			33.00	PASS
Band7	20MHz	16QAM	21350	50RB#0			33.00	PASS
Band7	20MHz	16QAM	21350	50RB#25			33.00	PASS
Band7	20MHz	16QAM	21350	50RB#50			33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0			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]



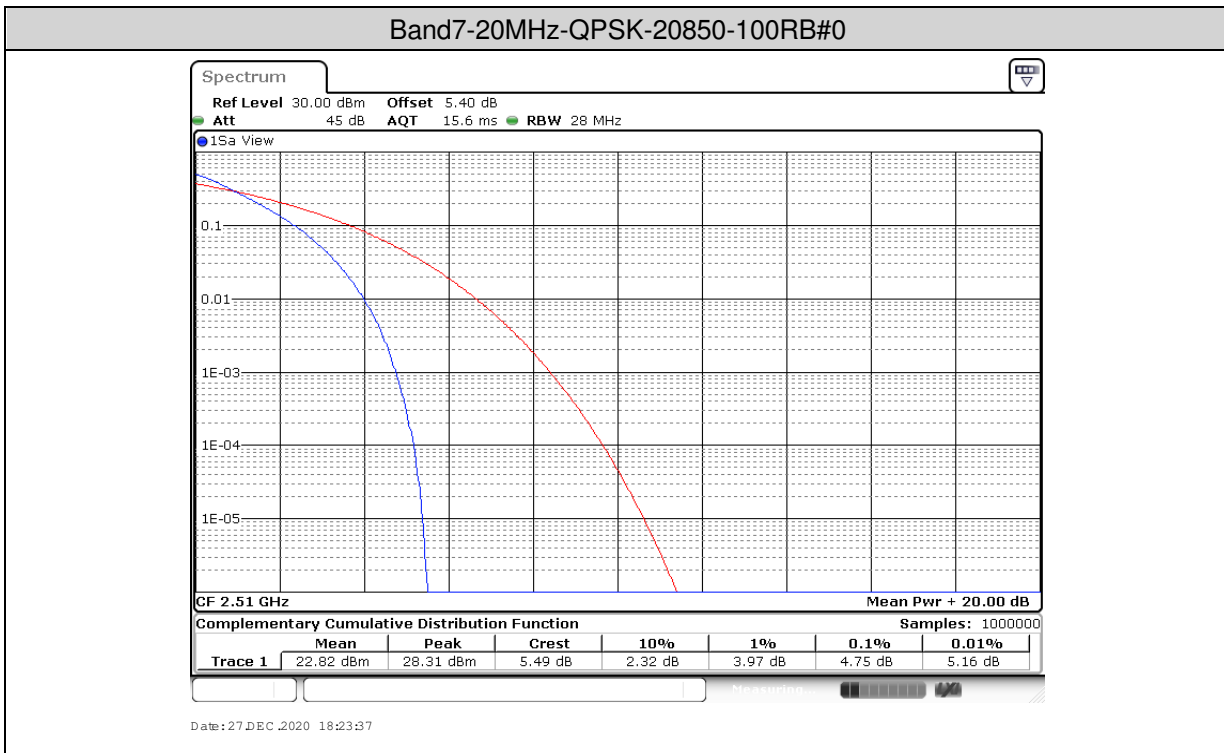
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2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	4.75	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.78	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.70	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.59	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.62	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.59	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.03	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.06	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.09	13	PASS

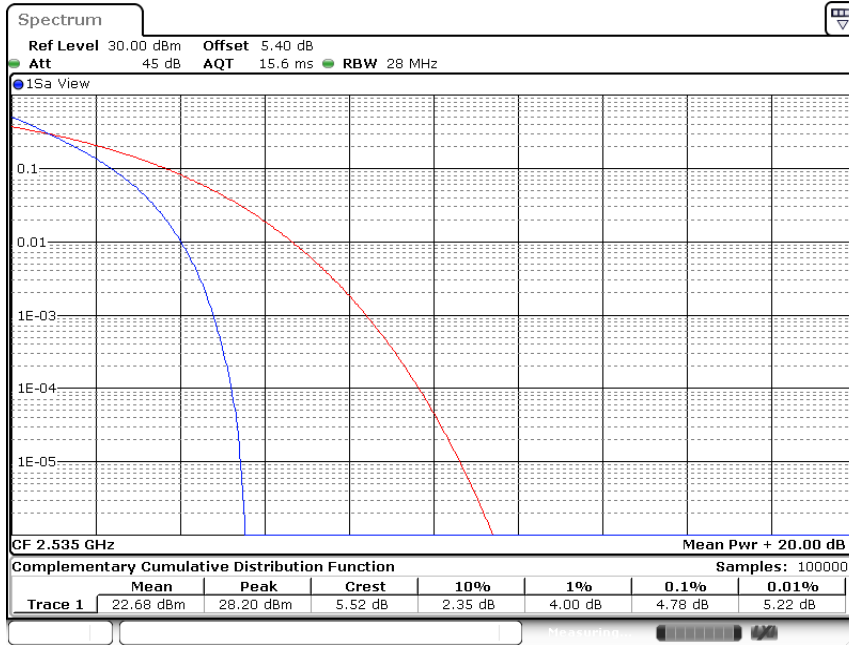
2.2. Test Plots



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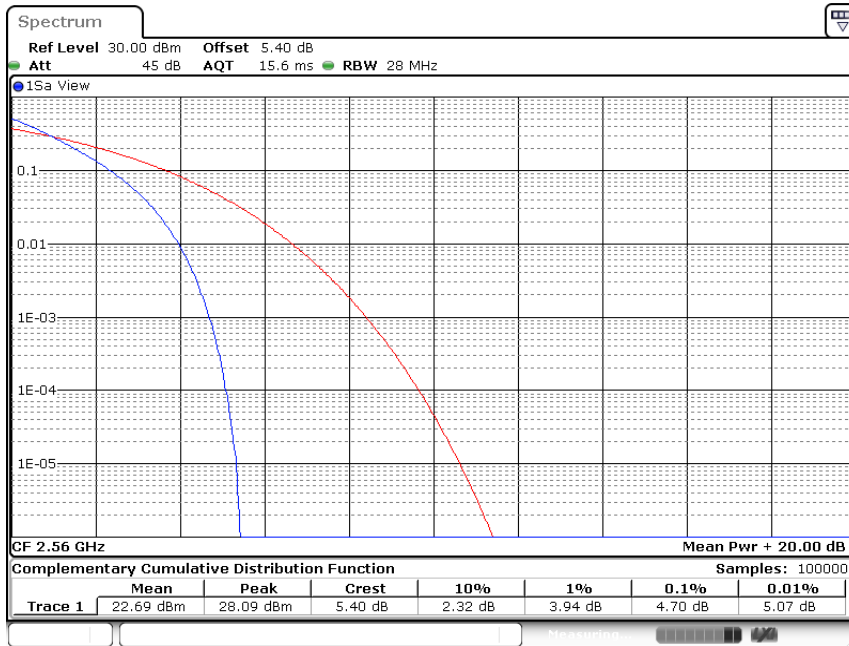
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Band7-20MHz-QPSK-21100-100RB#0



Date: 27 DEC 2020 18:24:10

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

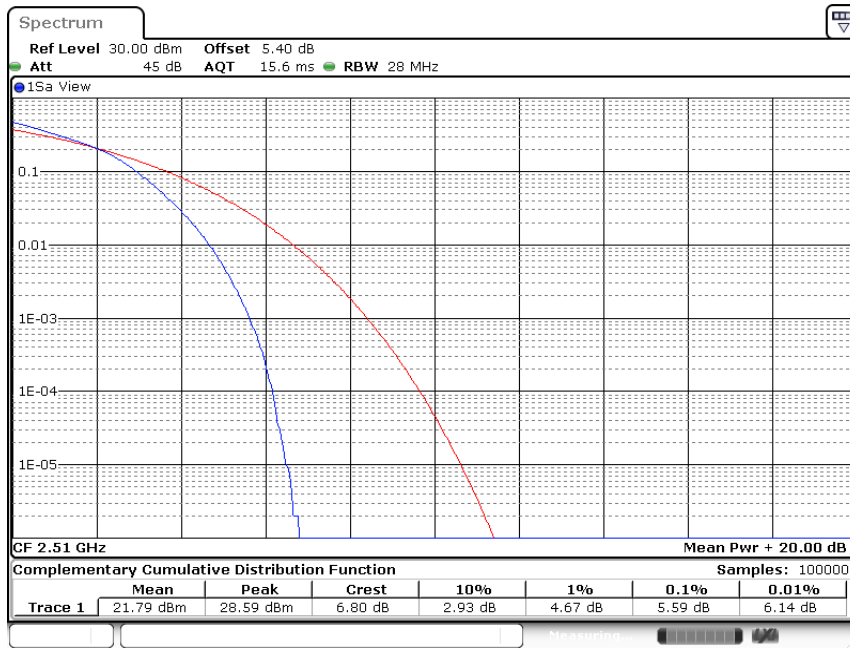


Date: 27 DEC 2020 18:24:43



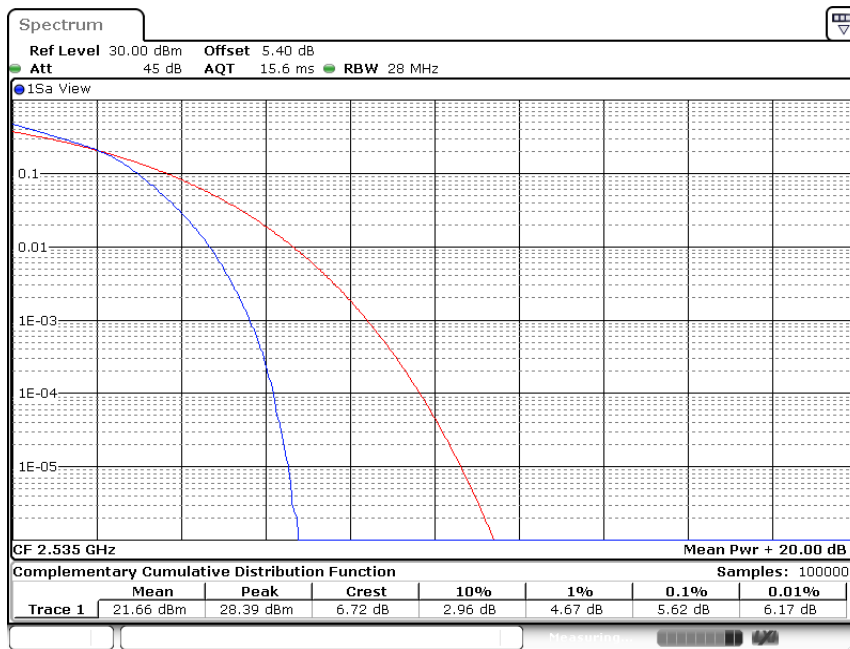
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Band7-20MHz-16QAM-20850-100RB#0



Date: 27 DEC 2020 18:23:54

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



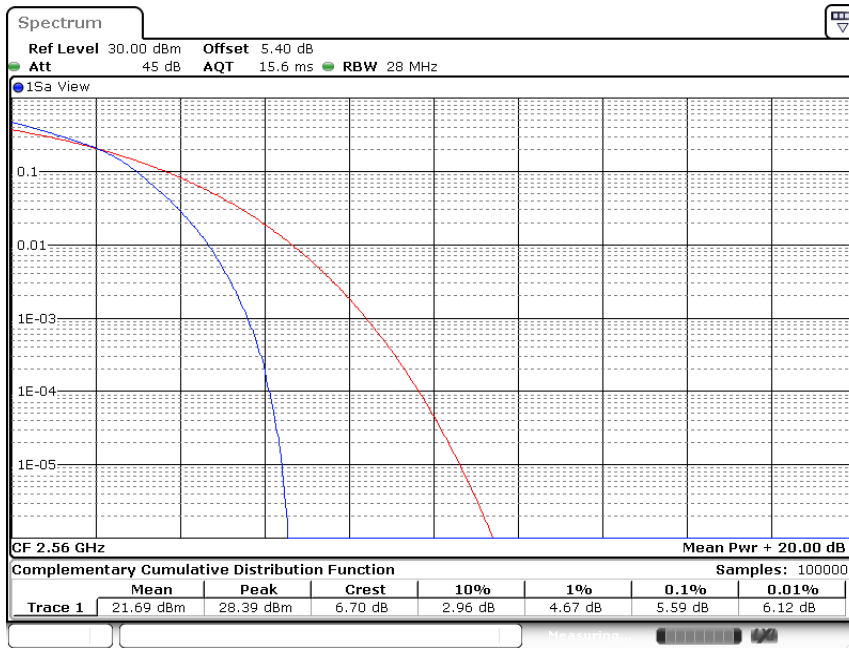
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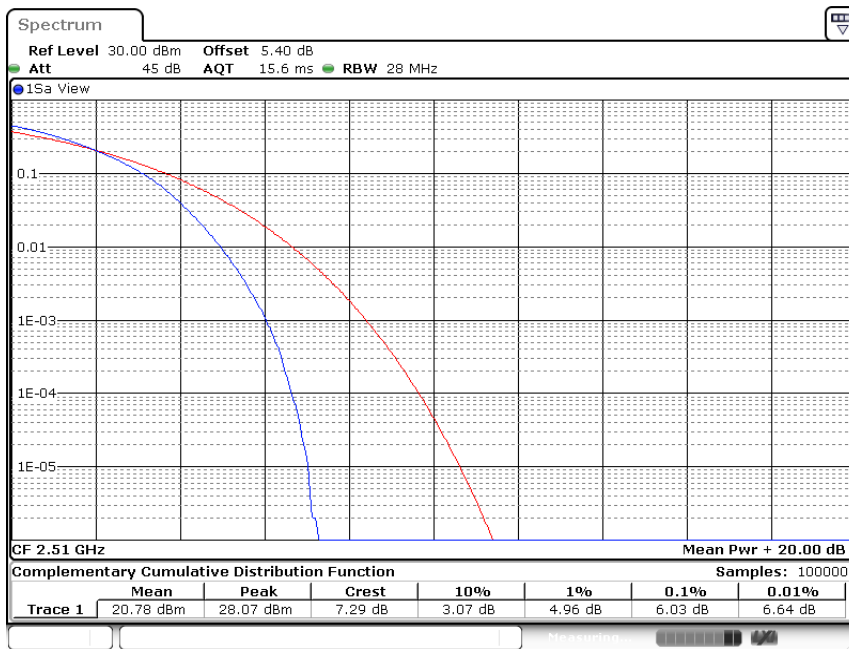
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Band7-20MHz-16QAM-21350-100RB#0



Date: 27 DEC 2020 18:24:59

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

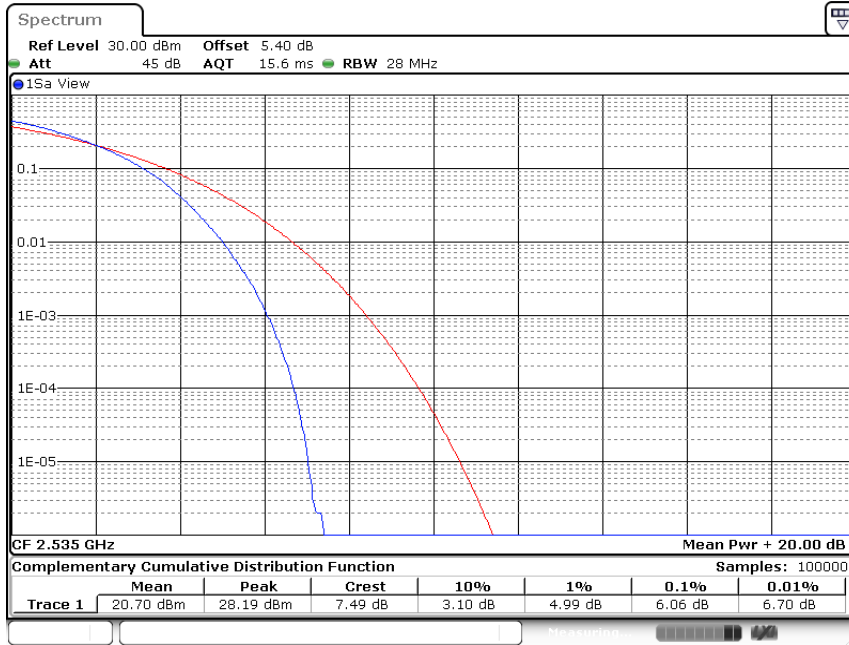


Date: 29 DEC 2020 20:42:03



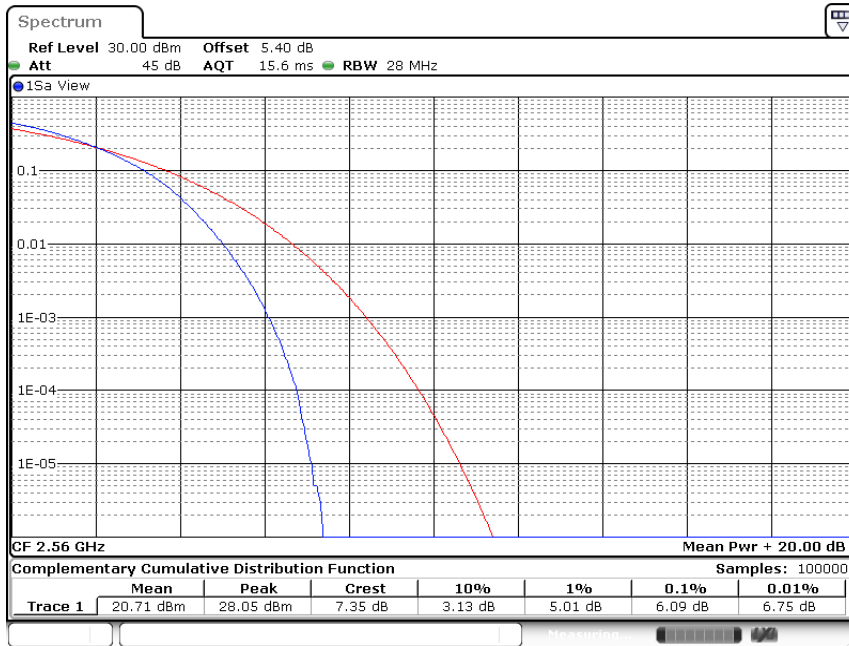
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Band7-20MHz-64QAM-21100-100RB#0



Date: 29 DEC 2020 20:42:20

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



Date: 29 DEC 2020 20:42:36



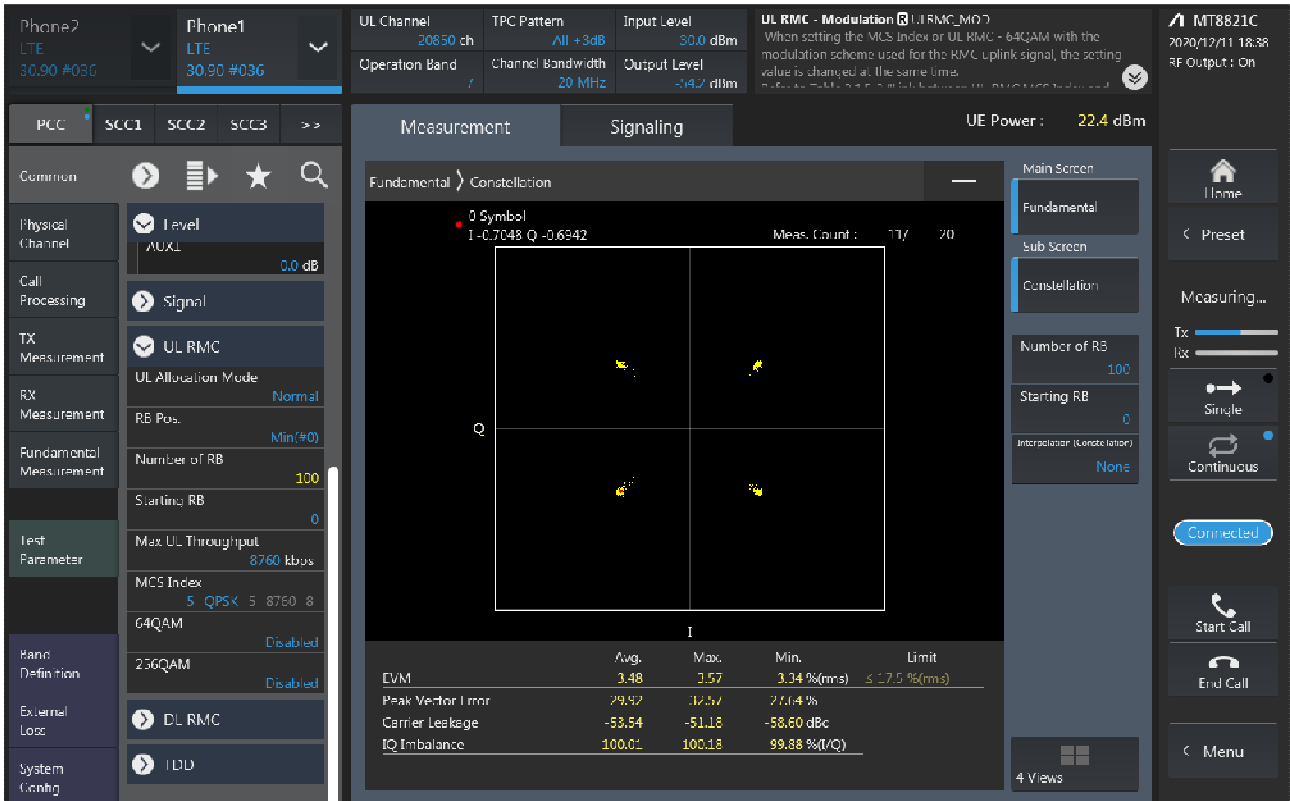
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3. Modulation Characteristics

3.1. Test Band = LTE Band 7

3.1.1. Test Mode = LTE /TM1 20MHz

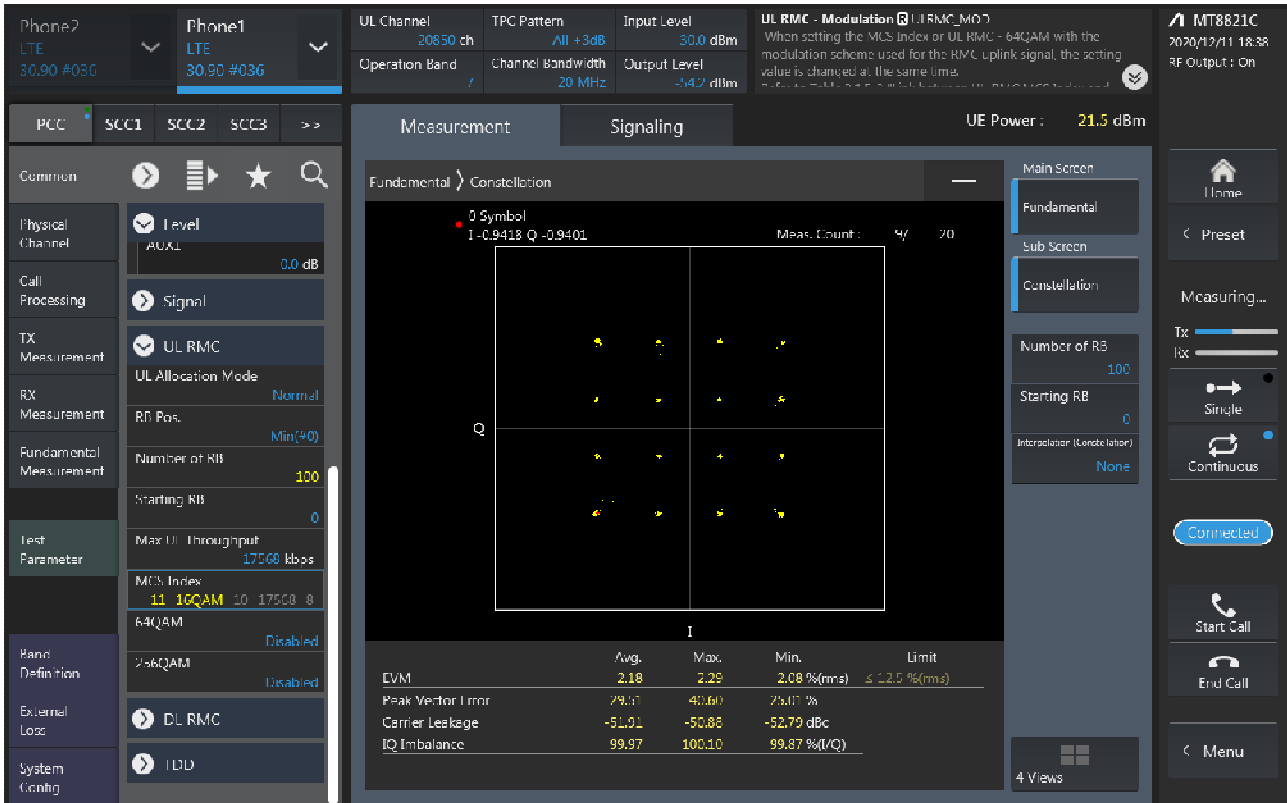
3.1.1.1. Test Channel = MCH



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3.1.2. Test Mode = LTE /TM2 20MHz

3.1.2.1. Test Channel = MCH

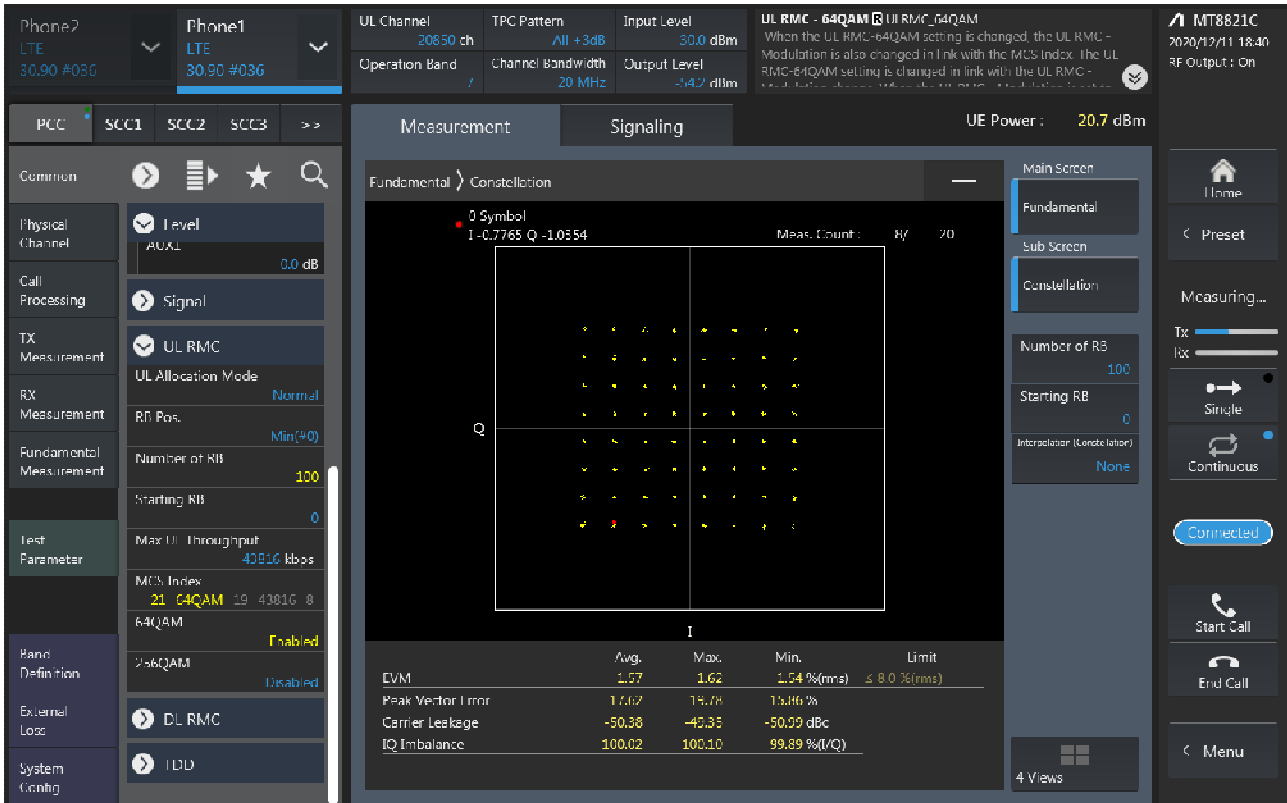


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3.1.3. Test Mode = LTE /TM3 20MHz

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	4.466	4.830	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.850	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.476	4.890	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.466	4.870	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.476	4.850	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.476	4.900	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.476	4.830	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.466	4.800	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.476	4.810	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.931	9.640	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.951	9.600	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.931	9.640	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.931	9.640	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.931	9.600	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.931	9.560	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.951	9.560	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.931	9.620	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.931	9.600	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.487	14.700	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.457	15.150	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.457	14.670	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.457	14.640	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.457	14.760	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.457	14.700	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.457	14.760	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.457	15.060	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.397	14.700	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.902	19.120	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.902	19.240	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.822	19.240	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.942	19.240	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.902	19.320	PASS



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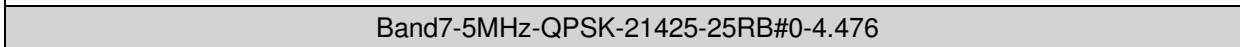
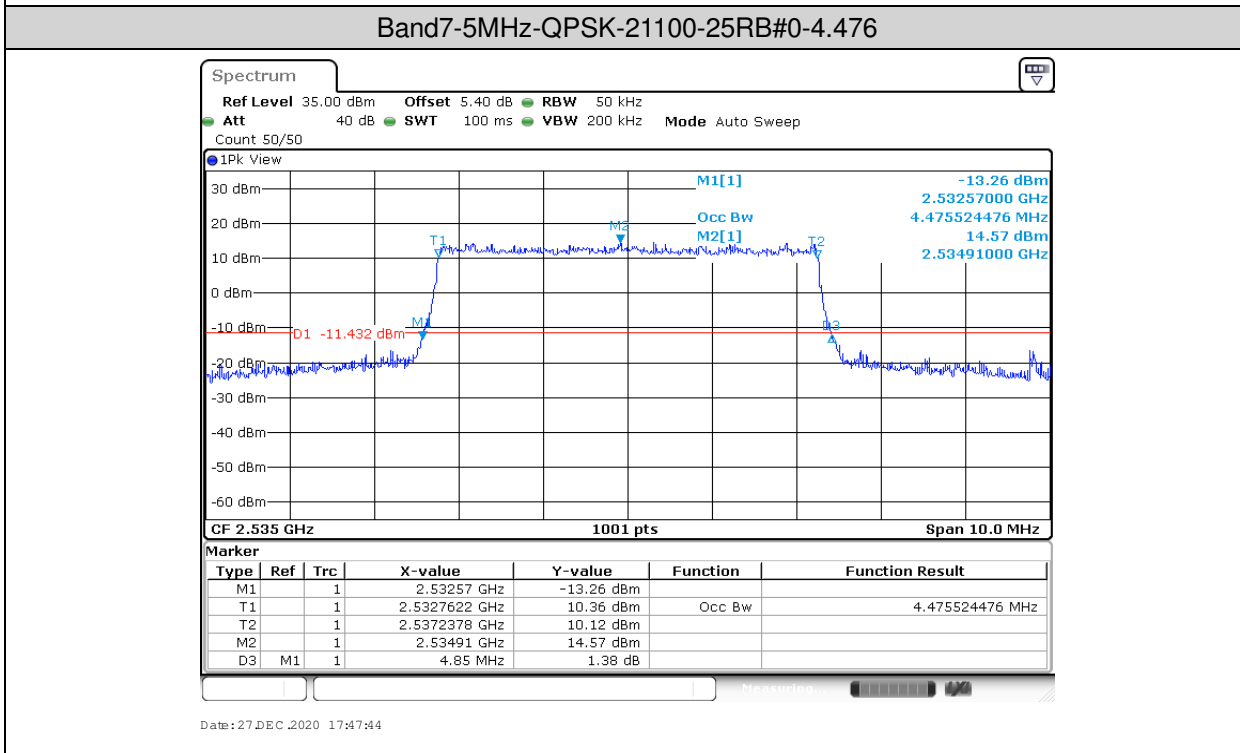
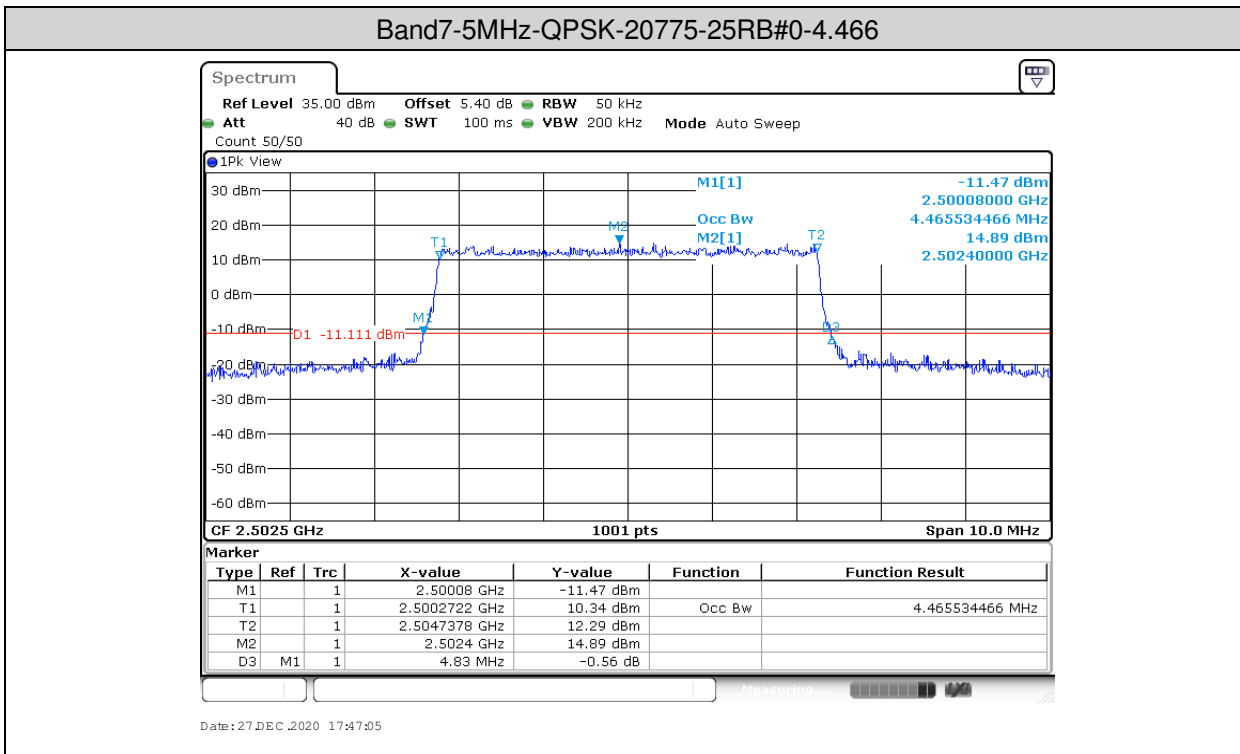
Band7	20MHz	16QAM	21350	100RB#0	17.862	19.240	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.902	19.280	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.942	19.240	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.822	19.280	PASS



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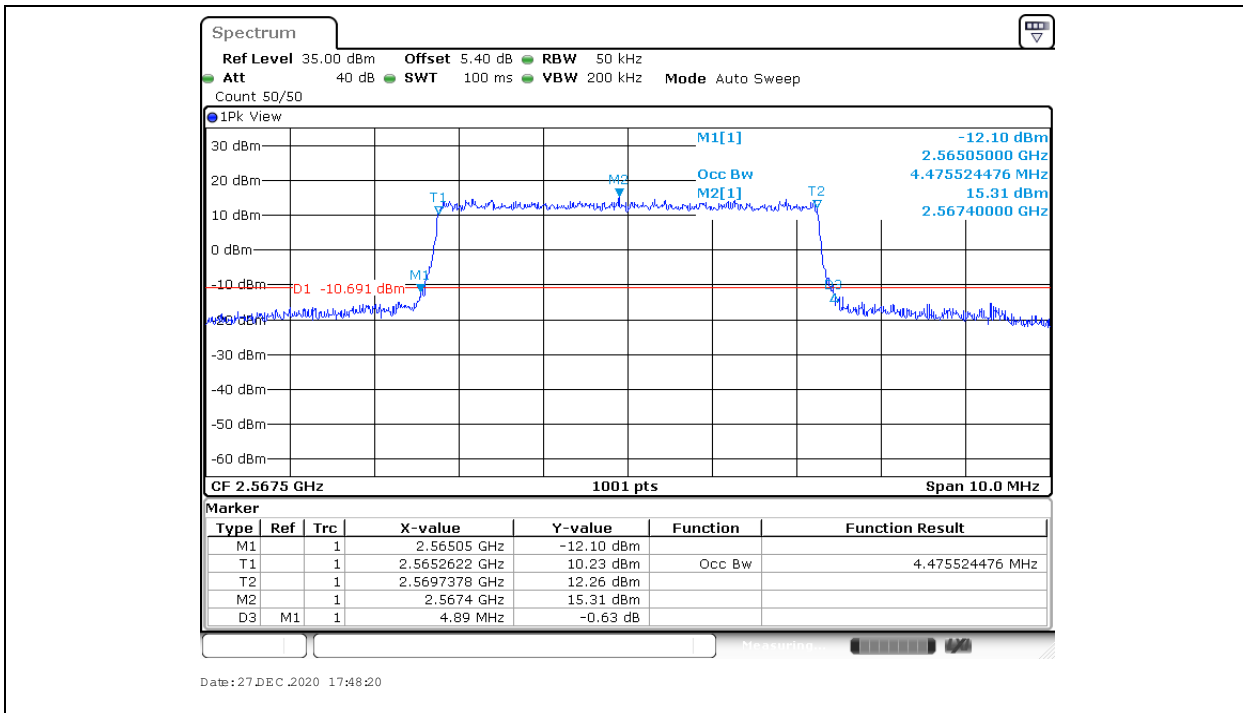
4.2. Test Plots



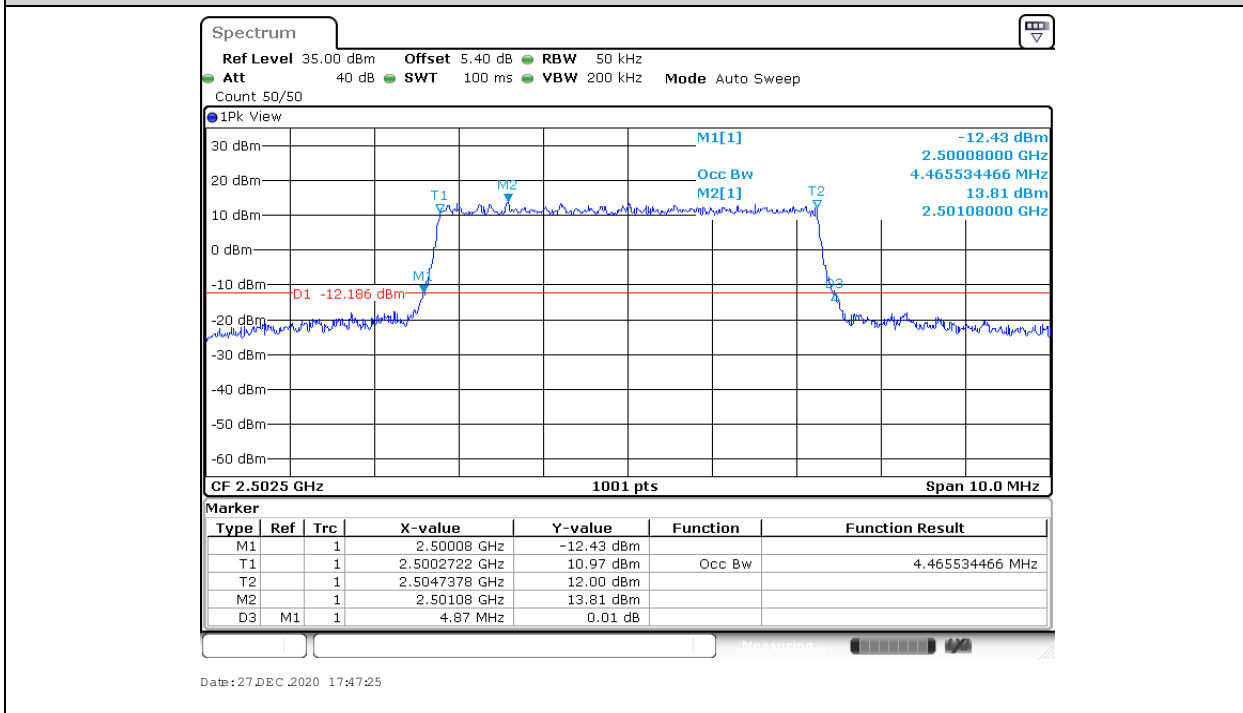
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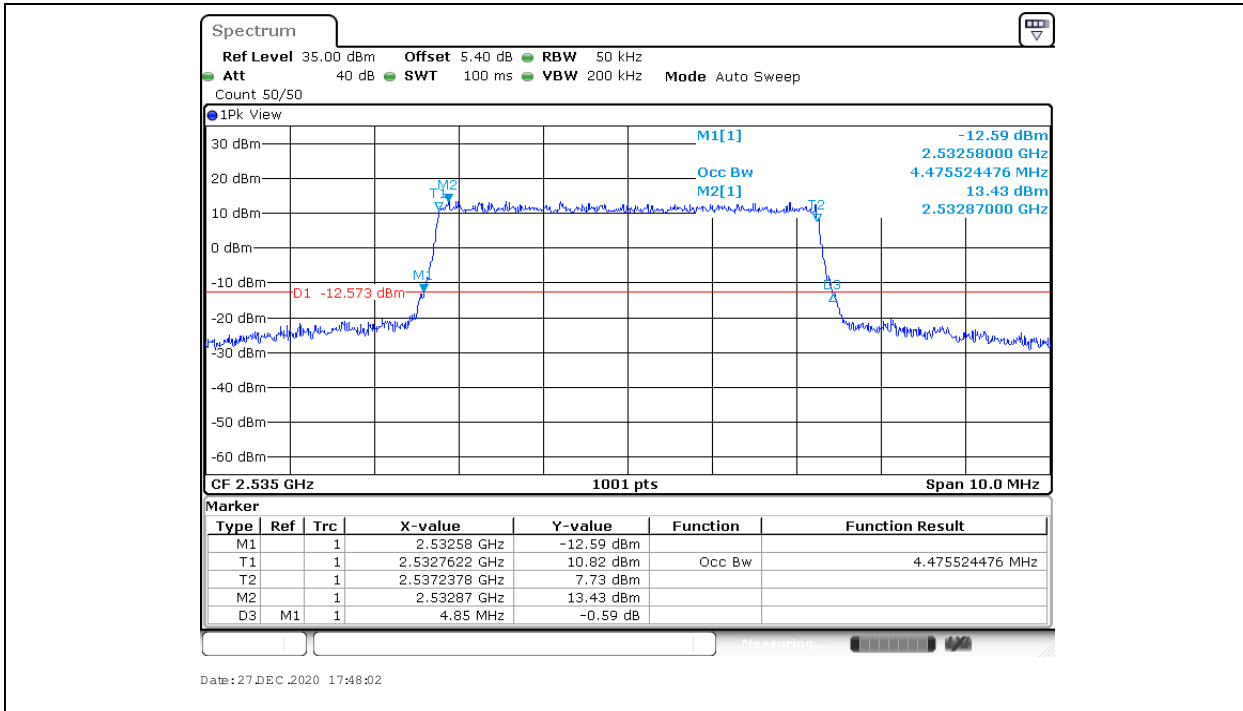
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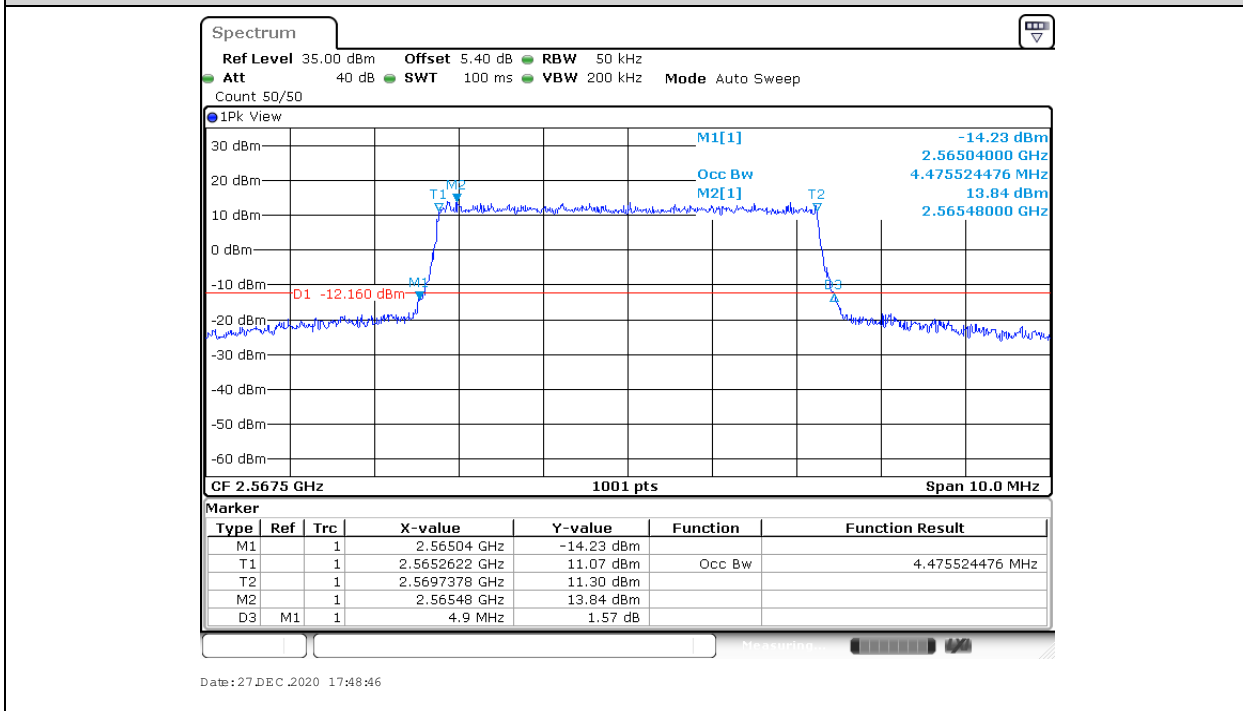
Band7-5MHz-16QAM-21100-25RB#0-4.476



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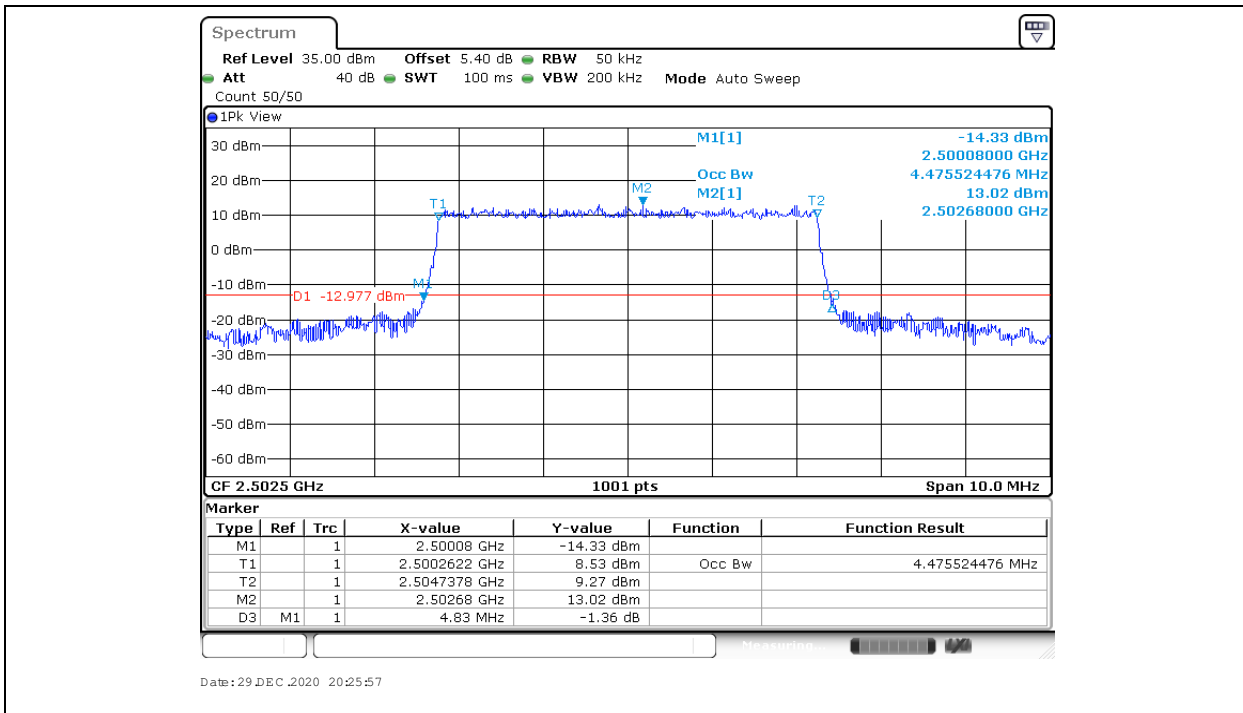
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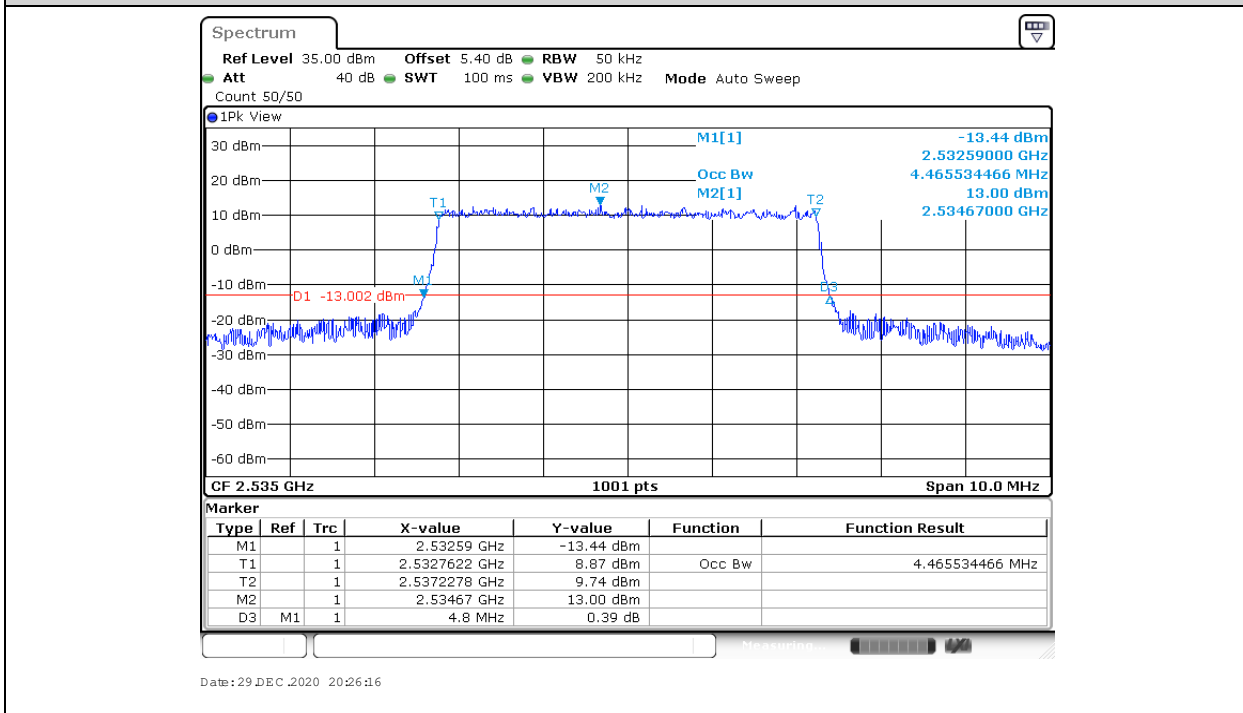
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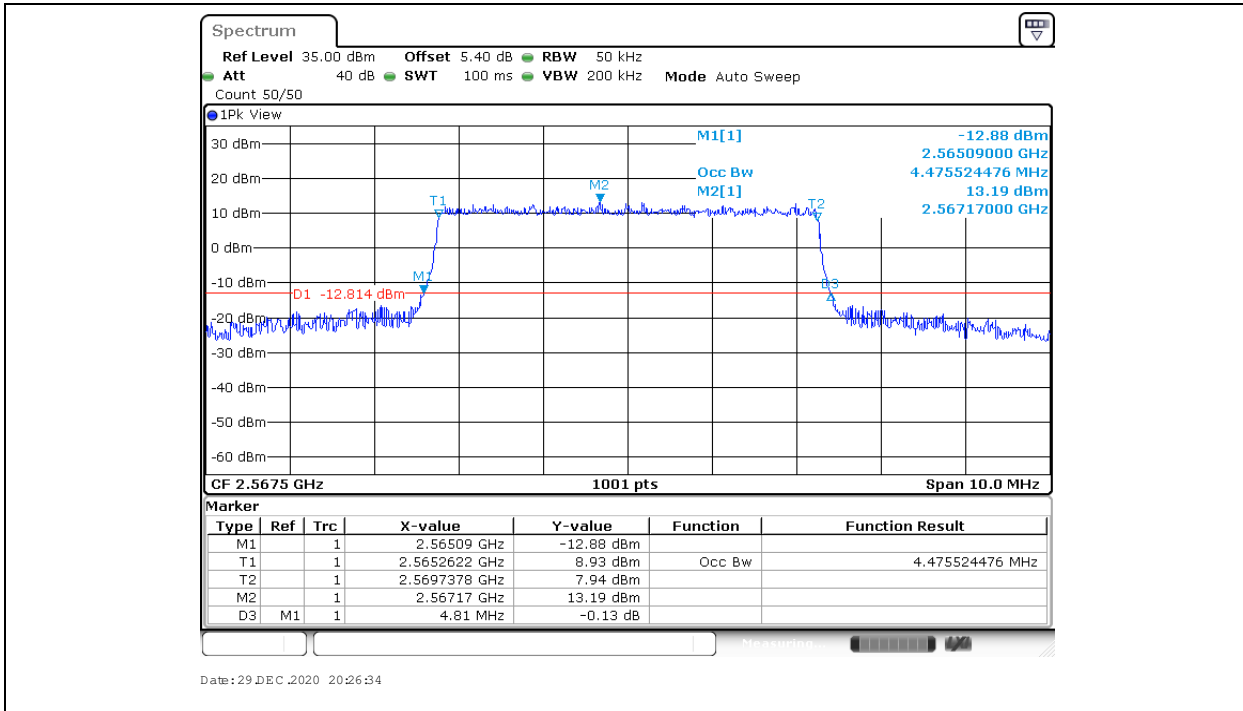
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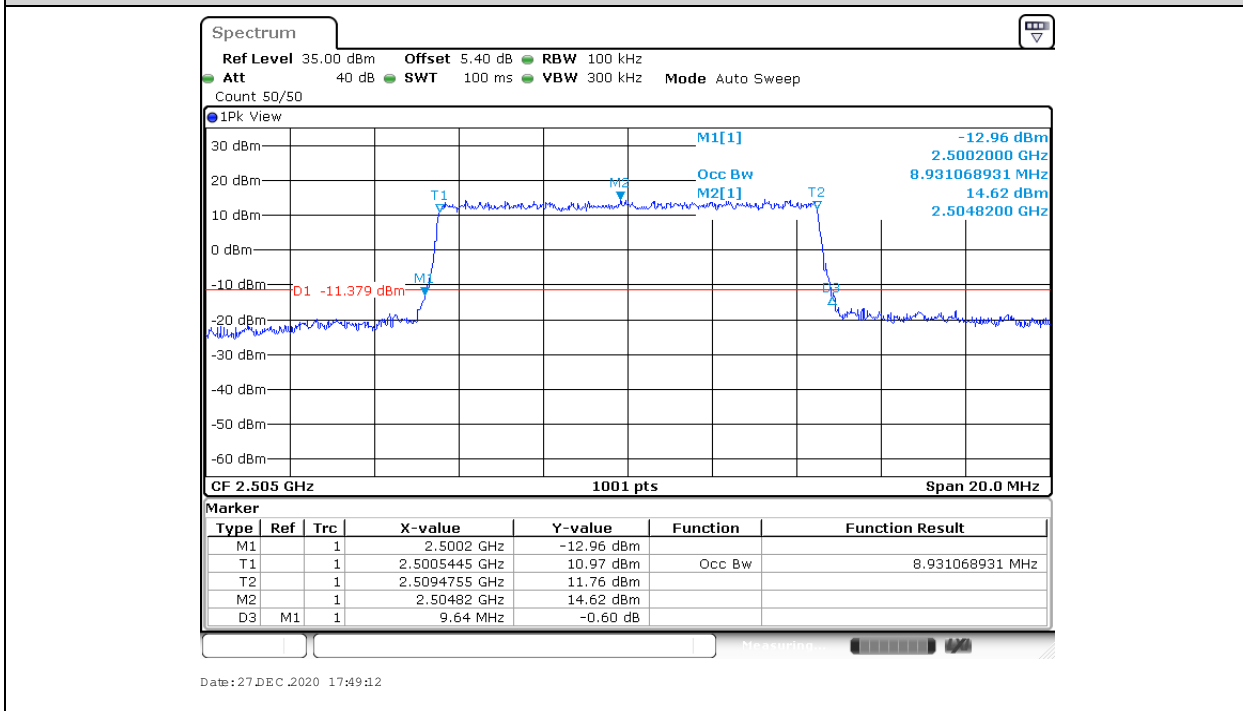
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Band7-10MHz-QPSK-20800-50RB#0-8.931

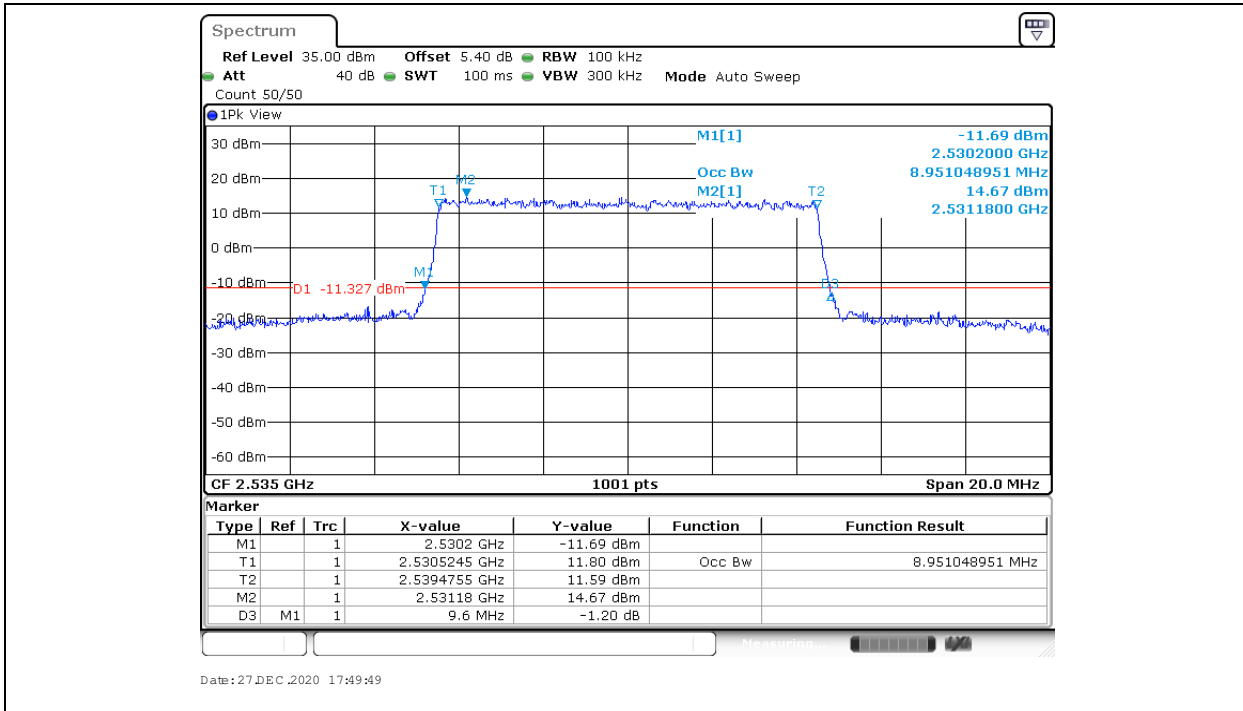


Band7-10MHz-QPSK-21100-50RB#0-8.951

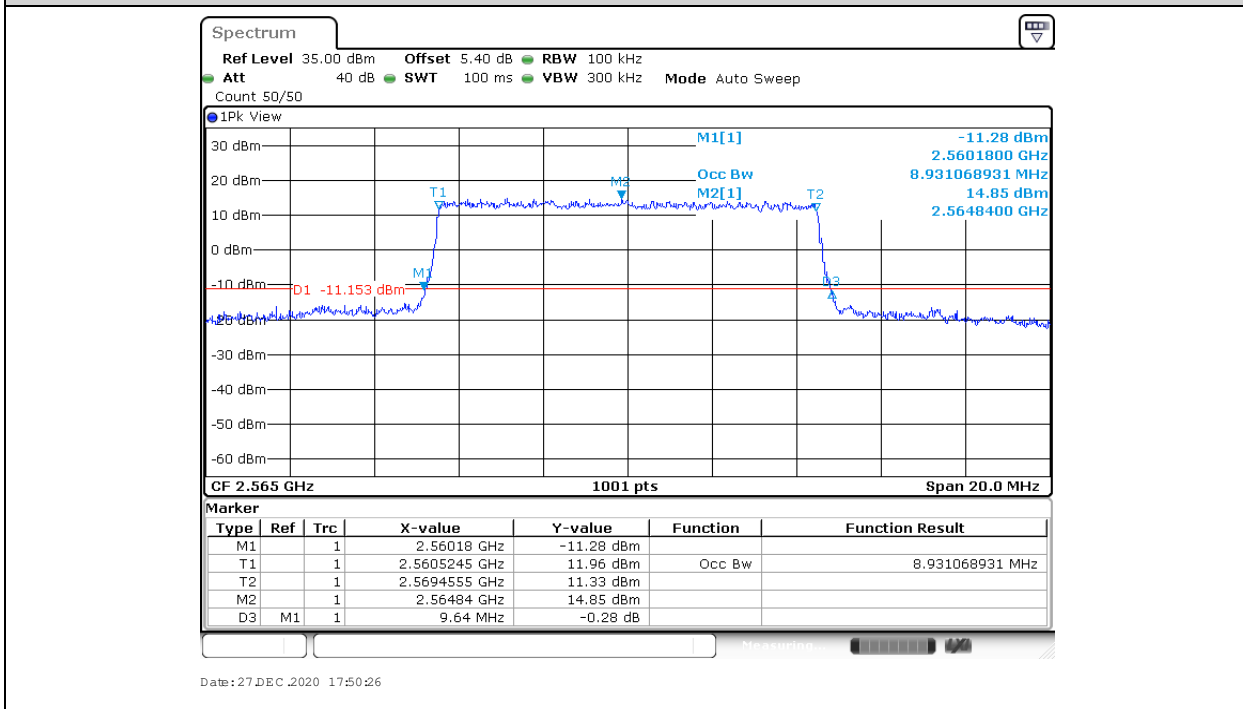


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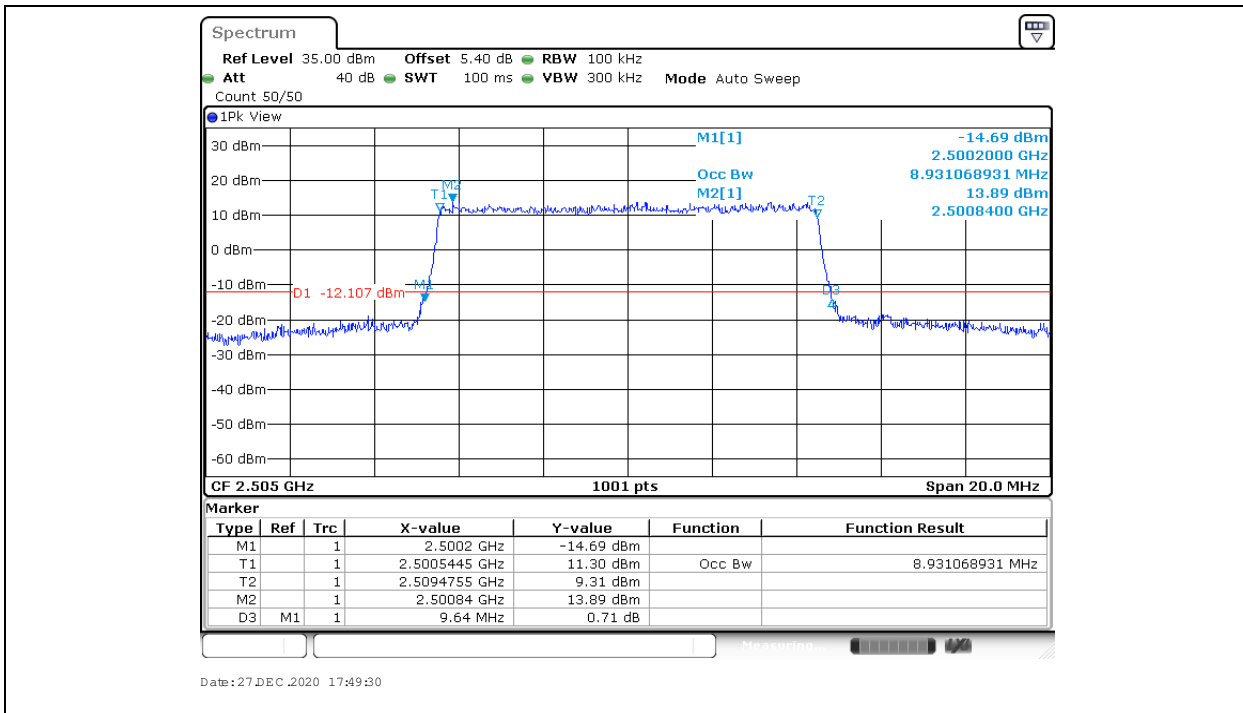
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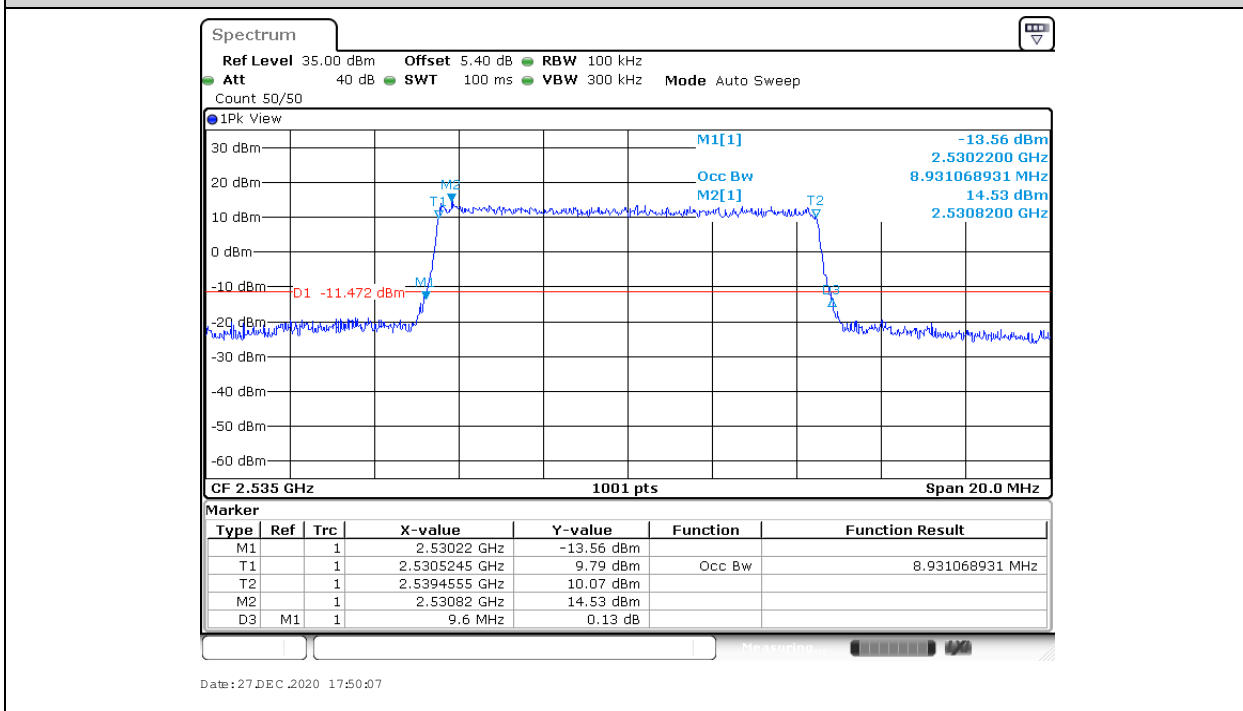
Band7-10MHz-16QAM-20800-50RB#0-8.931



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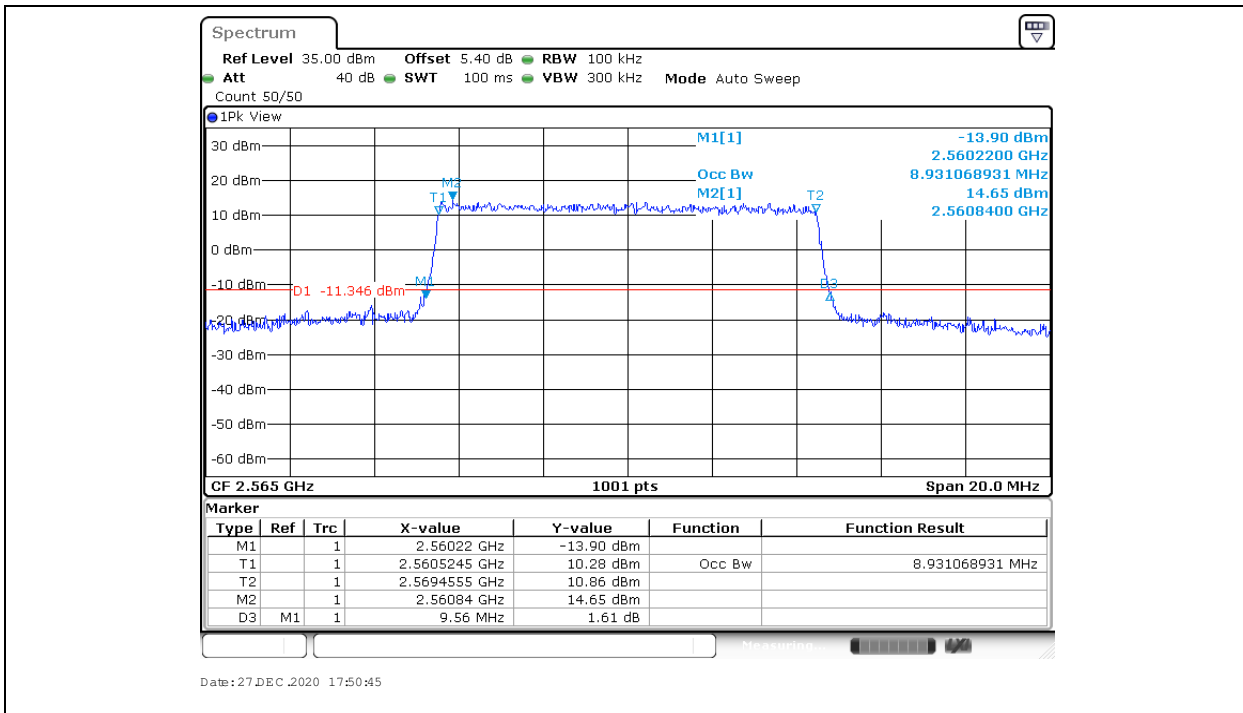
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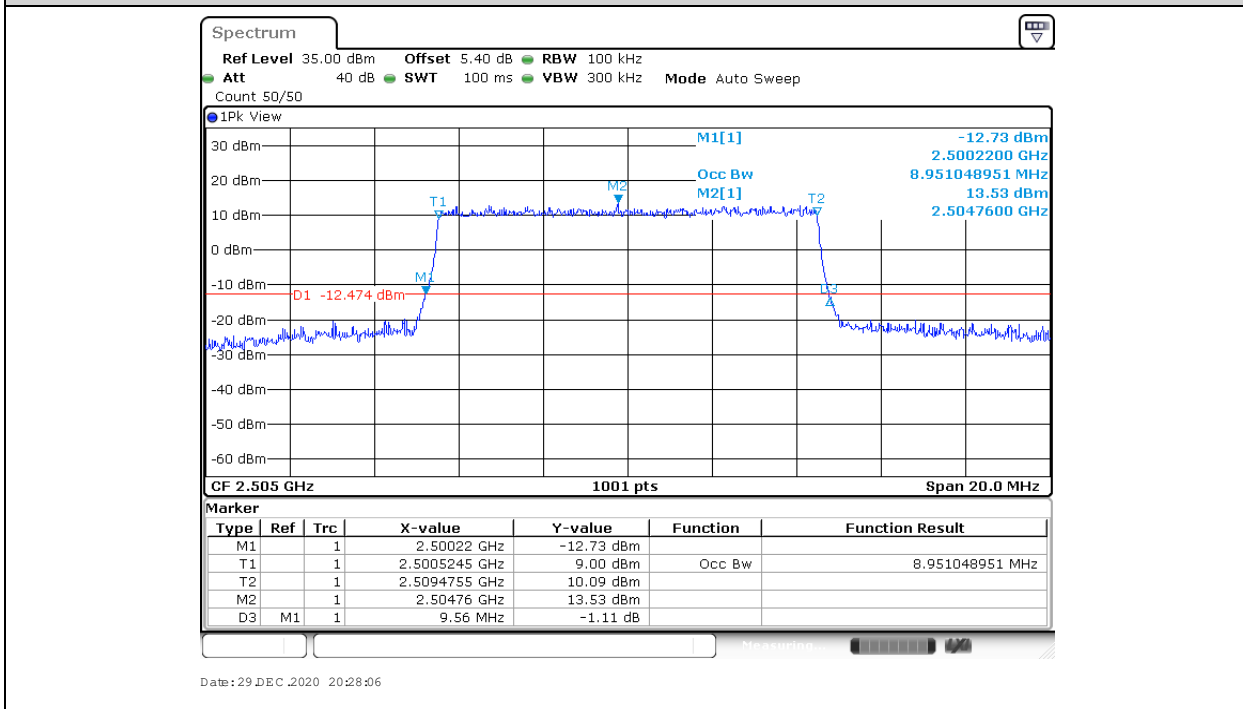
Band7-10MHz-16QAM-21400-50RB#0-8.931



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Band7-10MHz-64QAM-20800-50RB#0-8.951

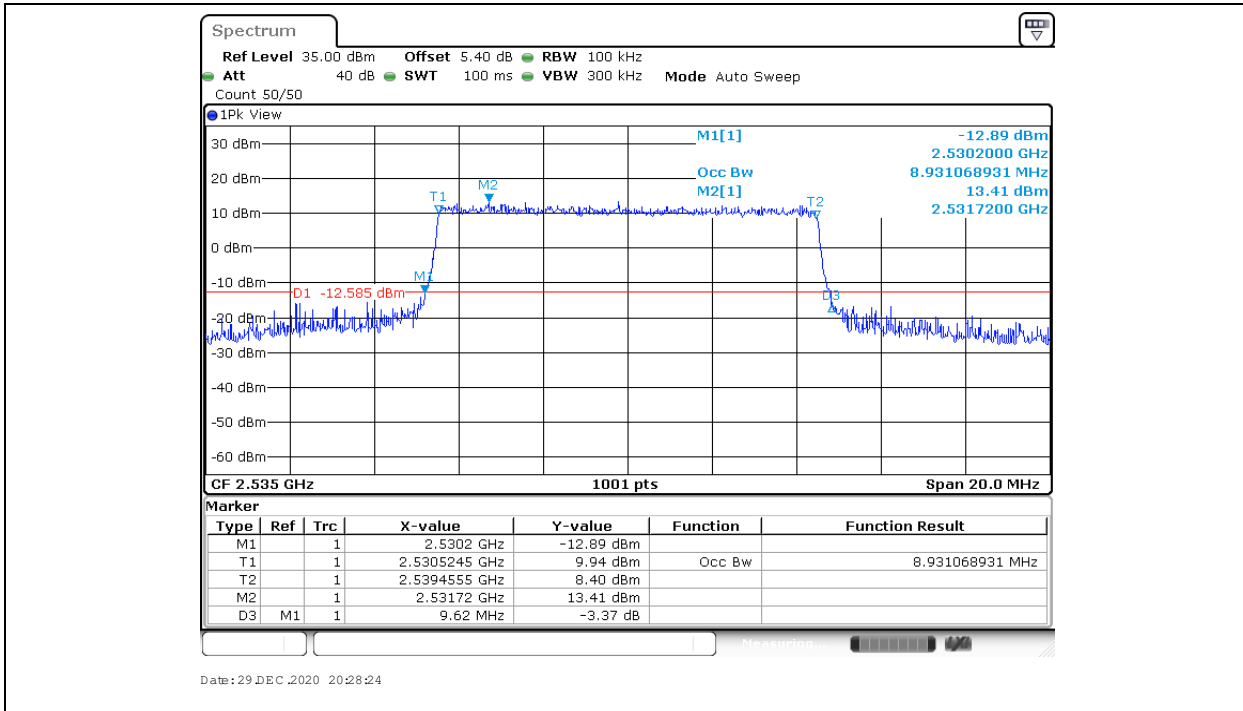


Band7-10MHz-64QAM-21100-50RB#0-8.931

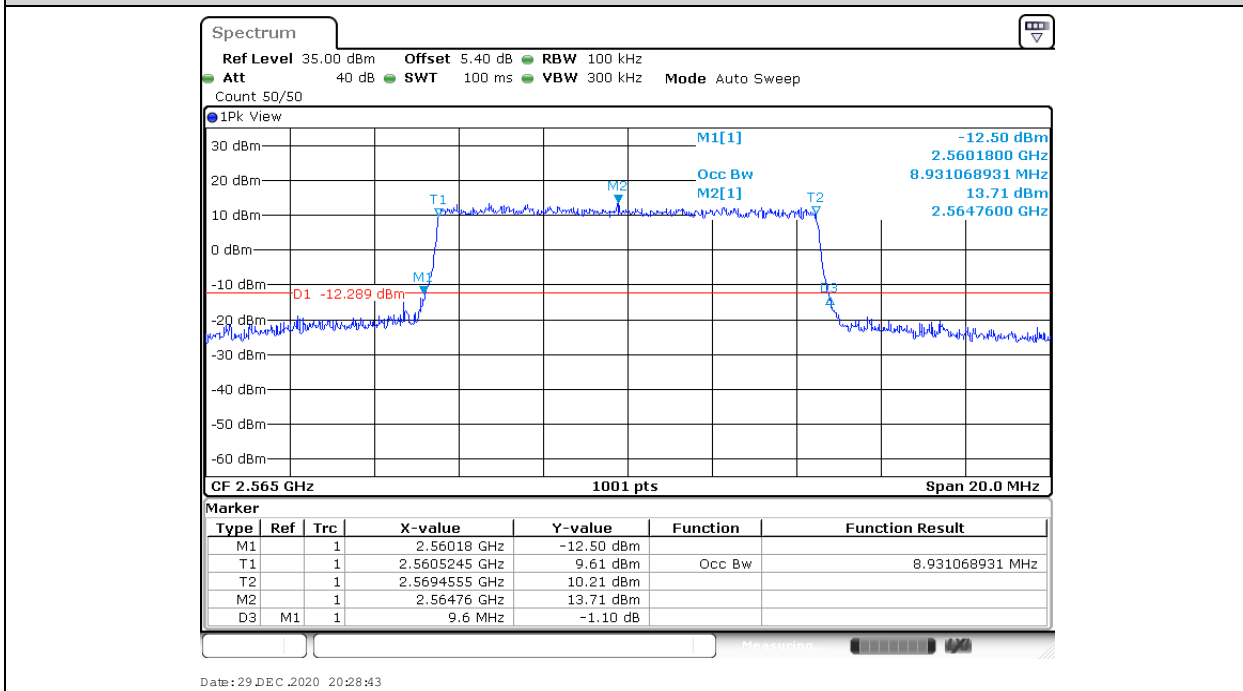


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Band7-10MHz-64QAM-21400-50RB#0-8.931

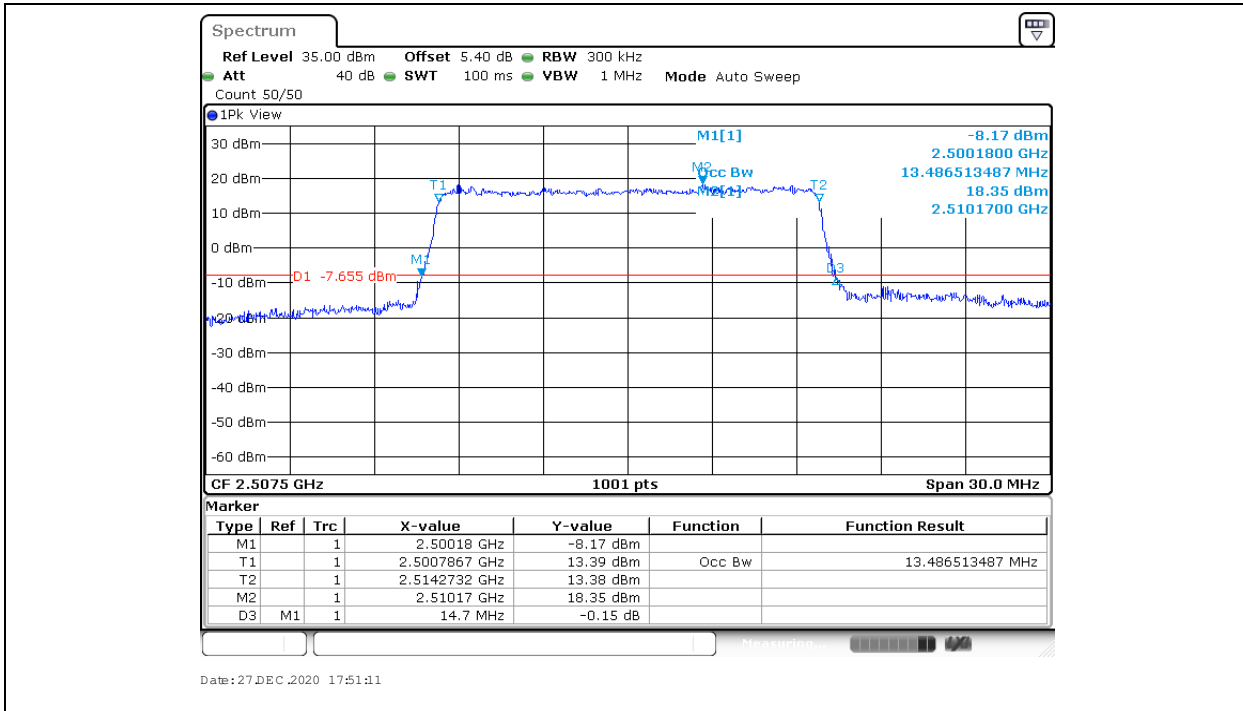


Band7-15MHz-QPSK-20825-75RB#0-13.487

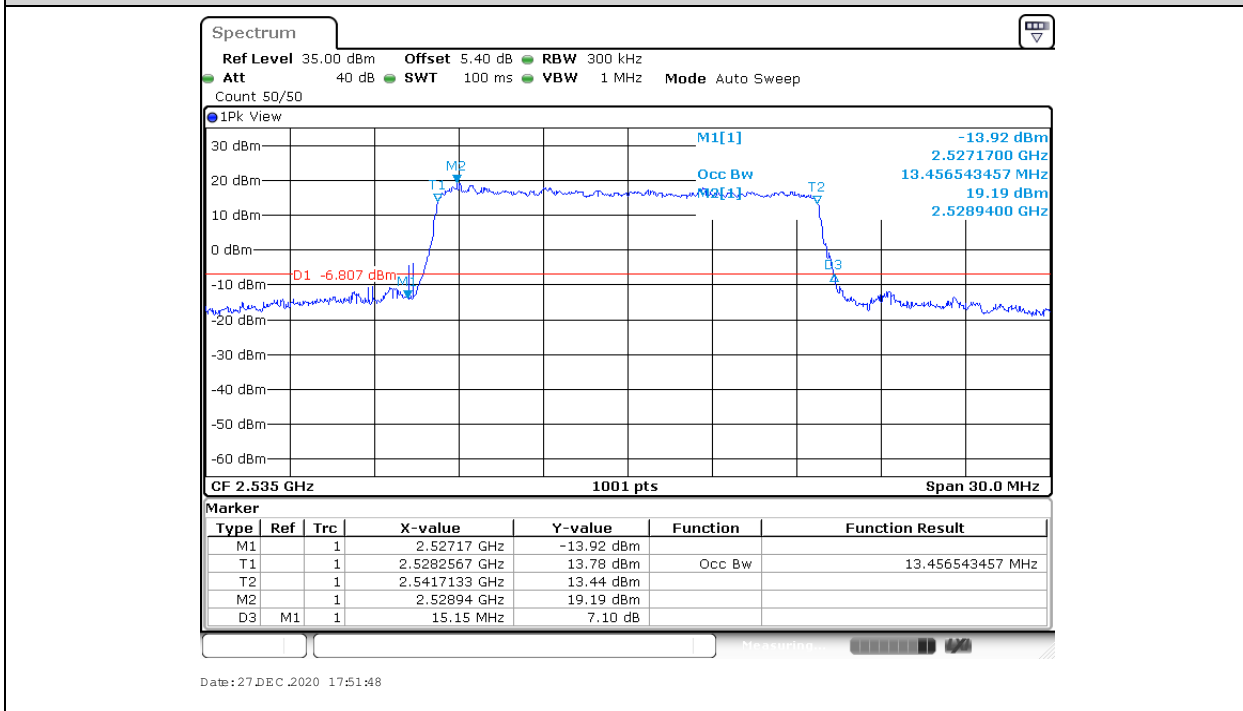


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Band7-15MHz-QPSK-21100-75RB#0-13.457

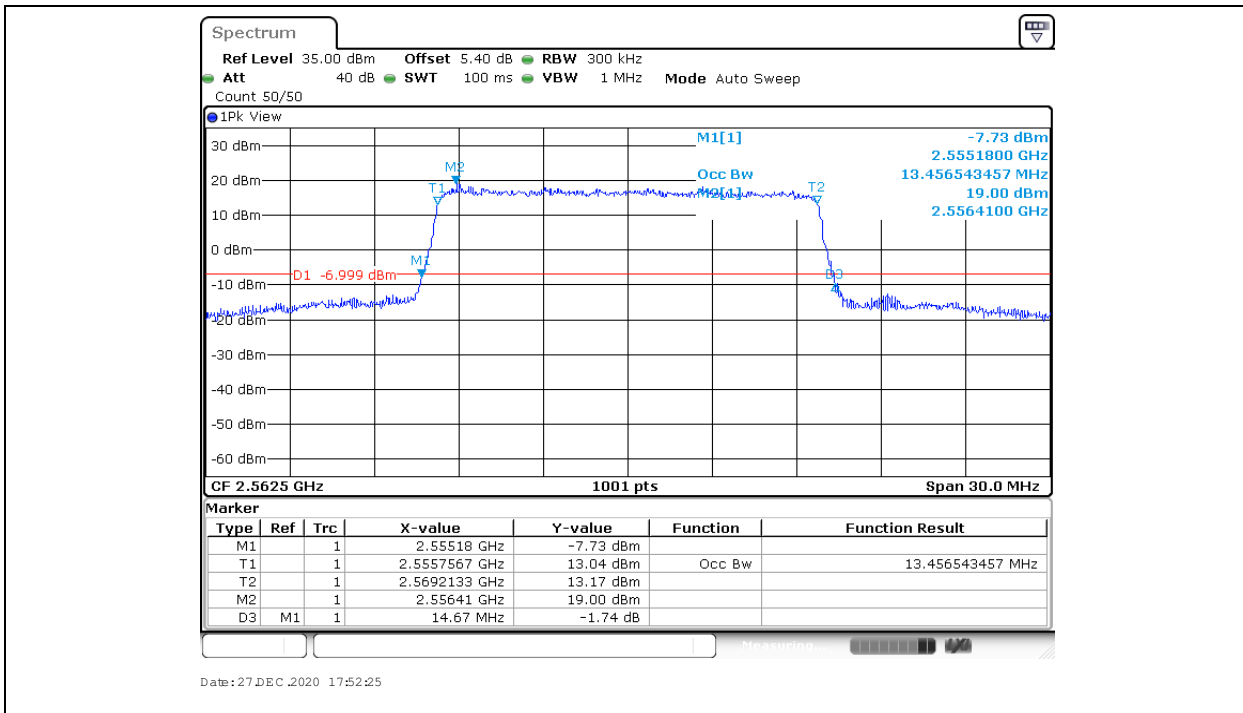


Band7-15MHz-QPSK-21375-75RB#0-13.457

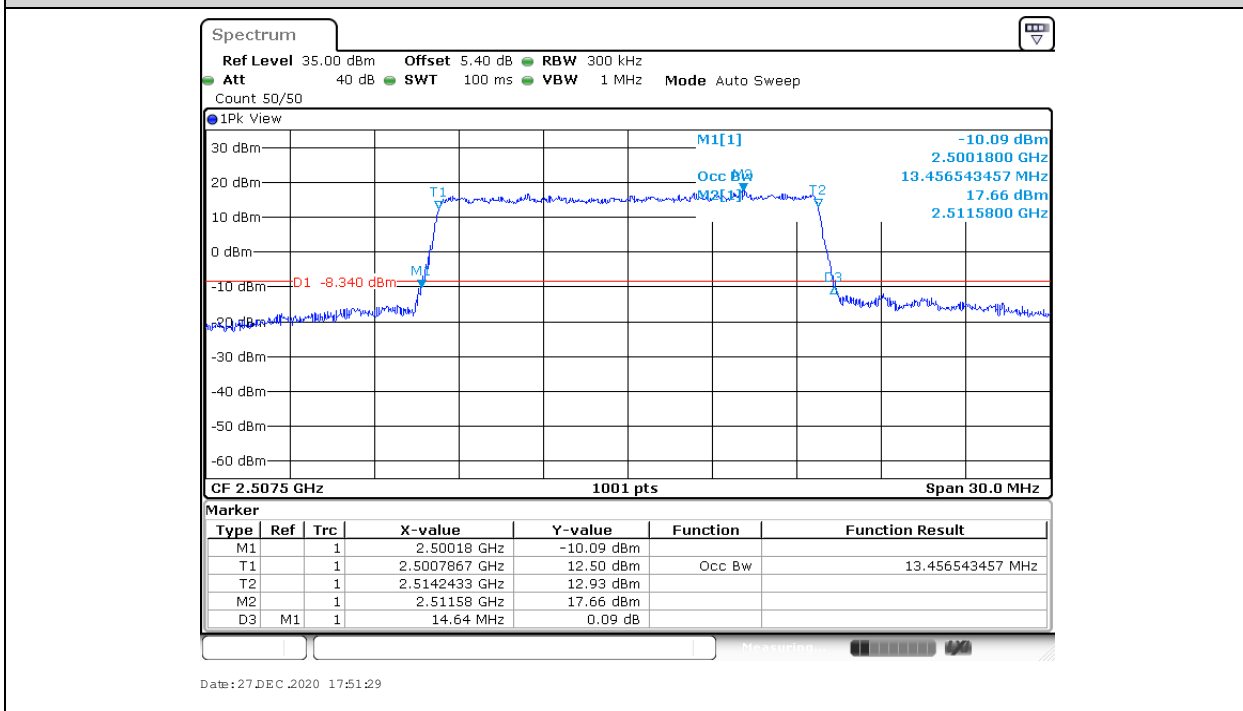


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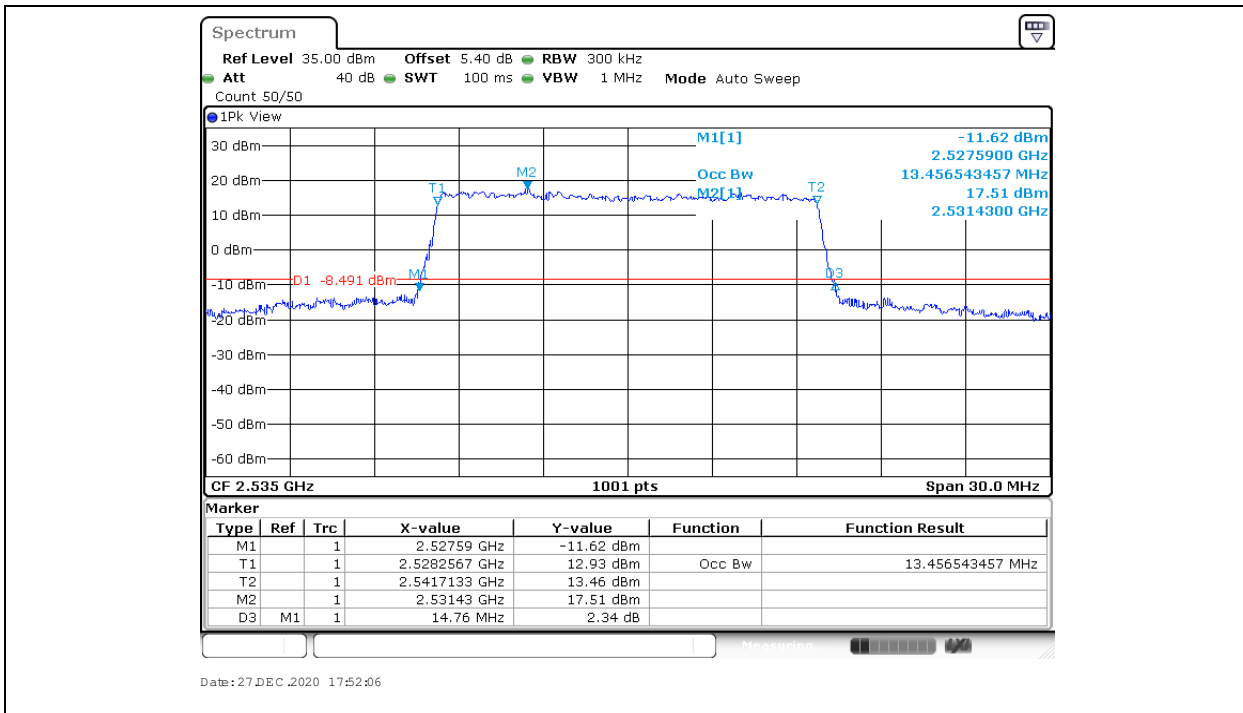
Band7-15MHz-16QAM-20825-75RB#0-13.457



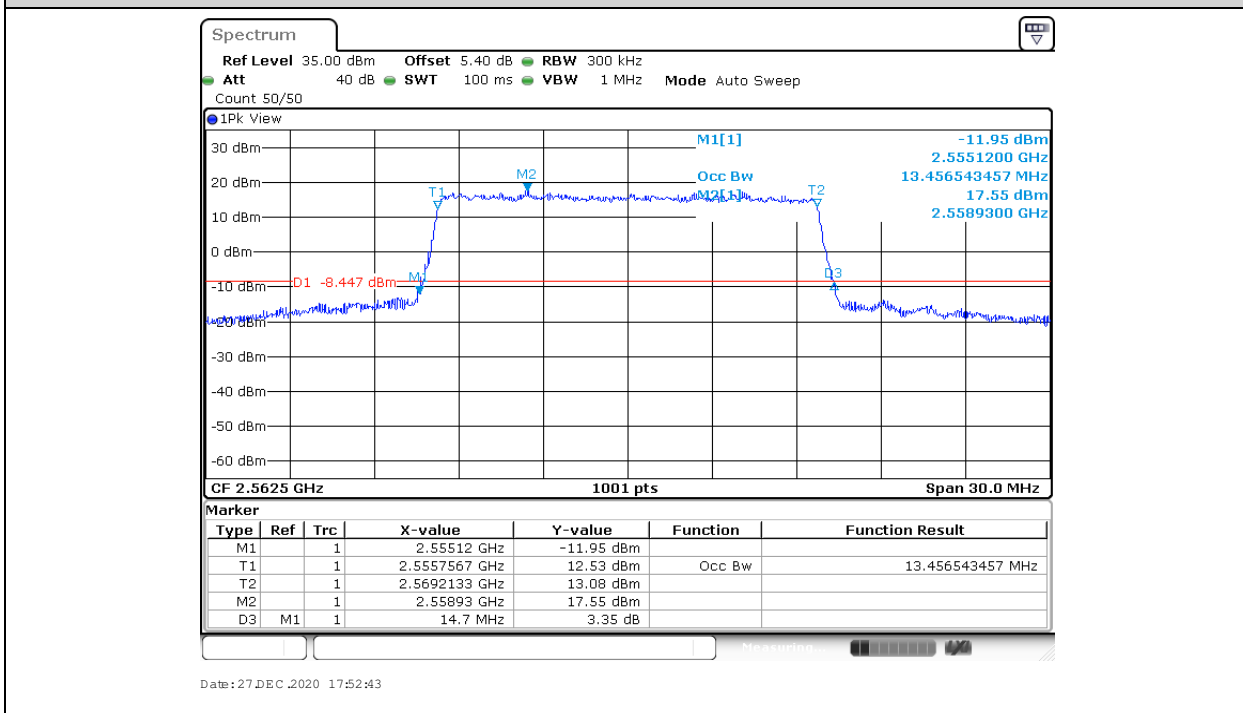
Band7-15MHz-16QAM-21100-75RB#0-13.457



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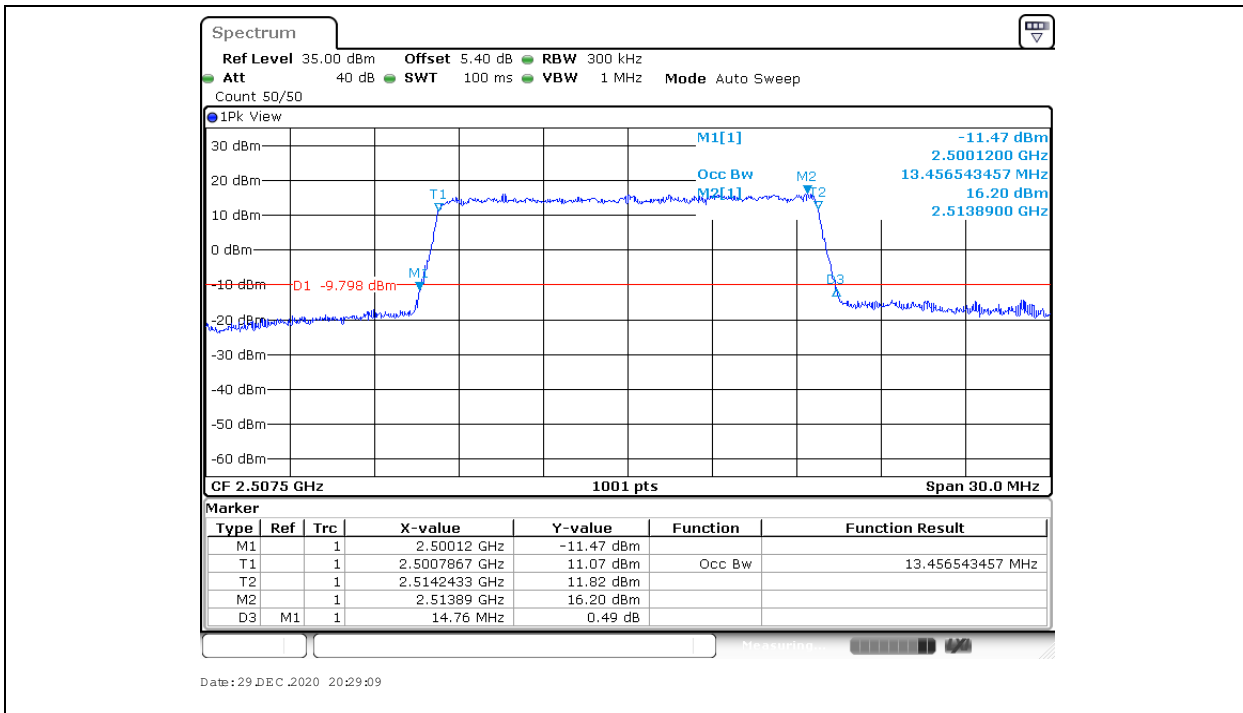
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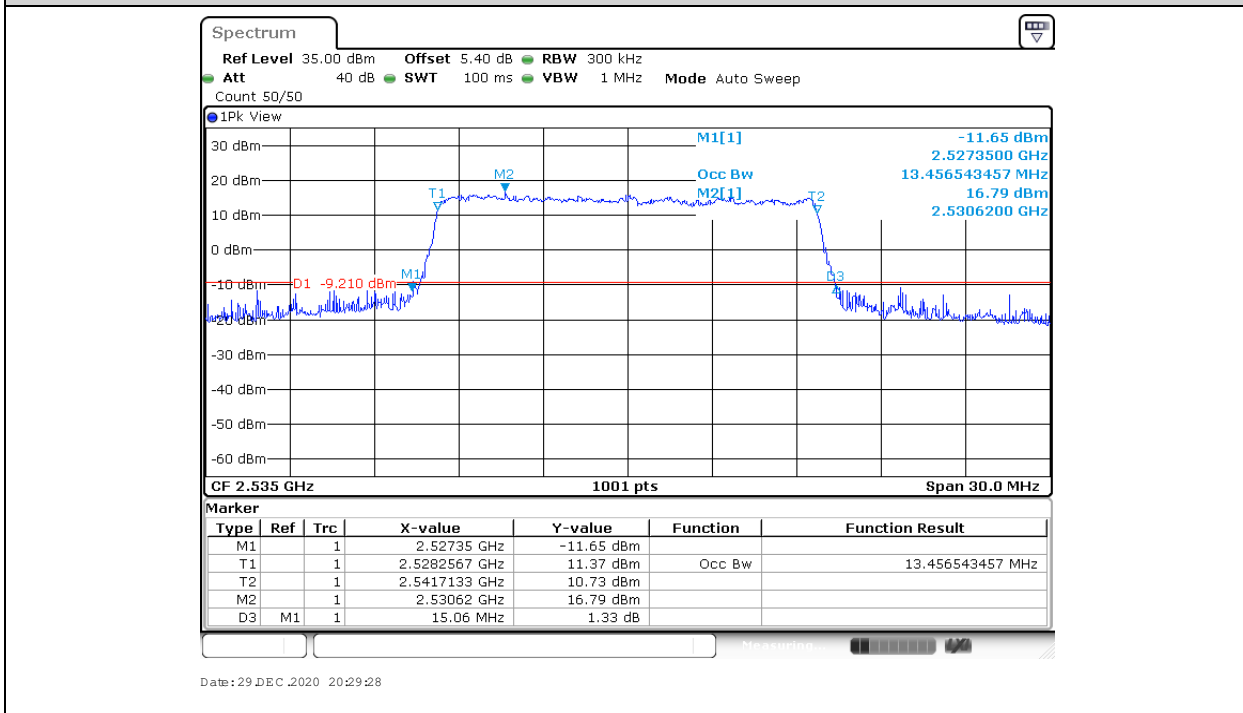
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Band7-15MHz-64QAM-21100-75RB#0-13.457

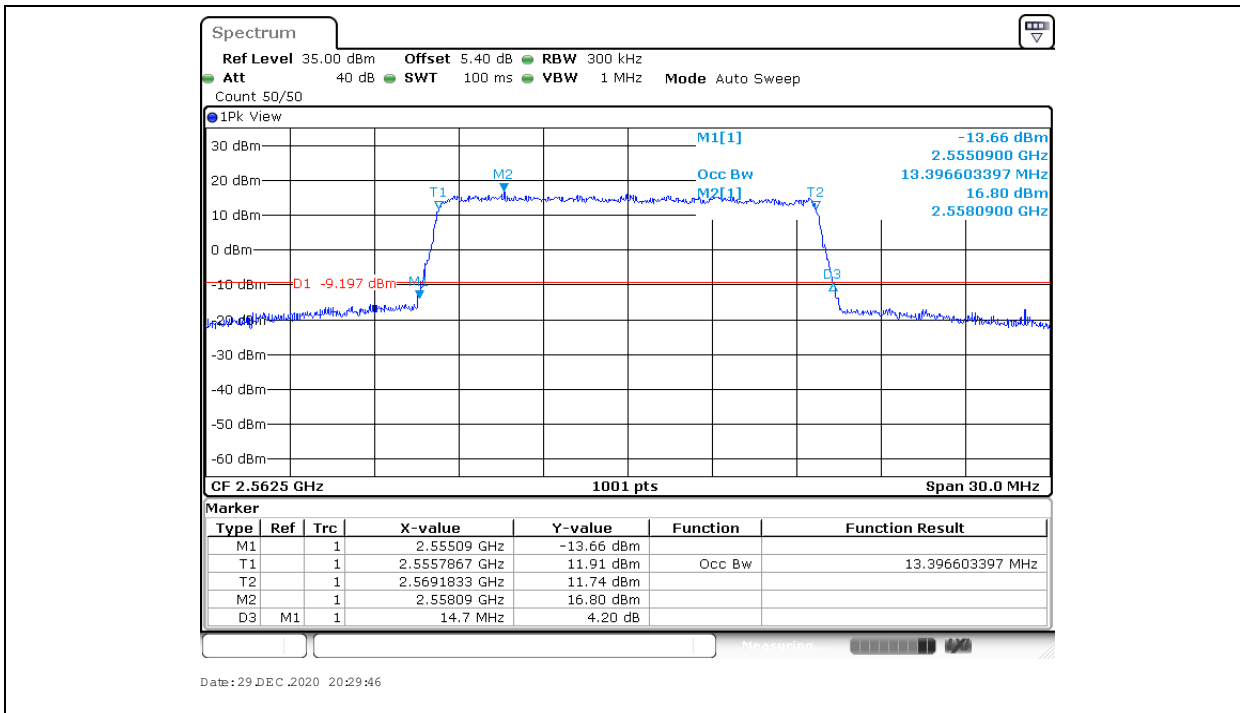


Band7-15MHz-64QAM-21375-75RB#0-13.397

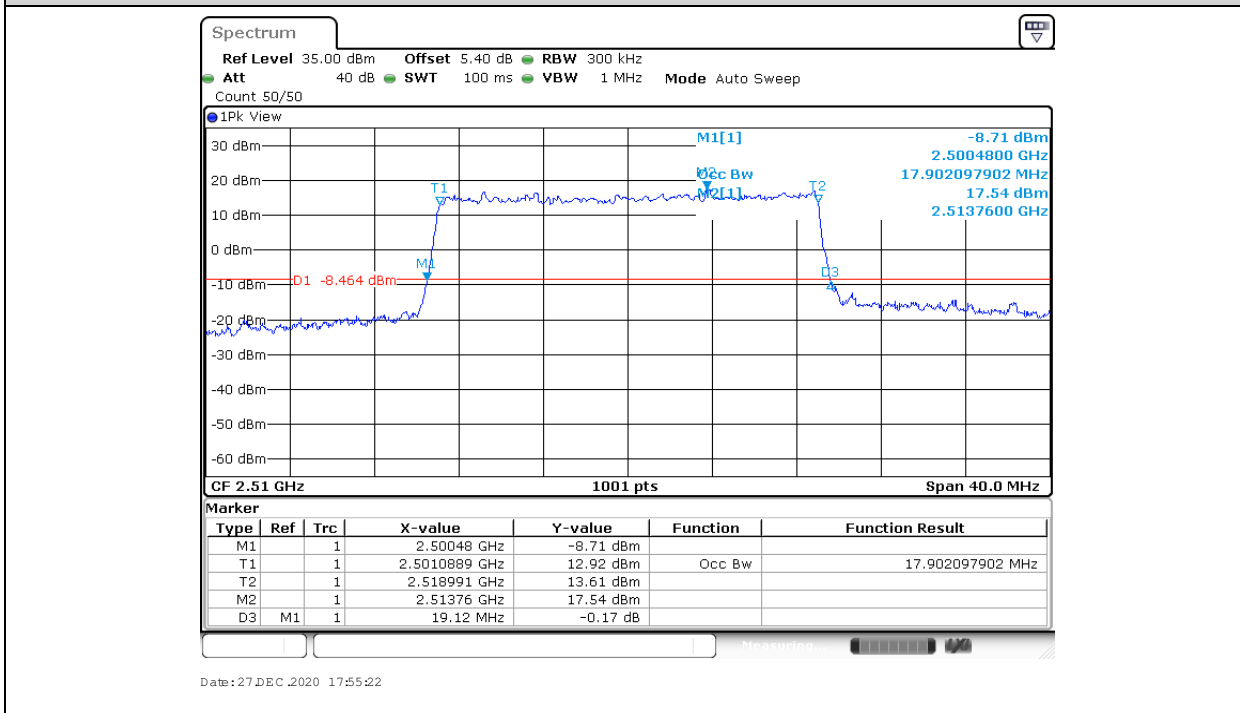


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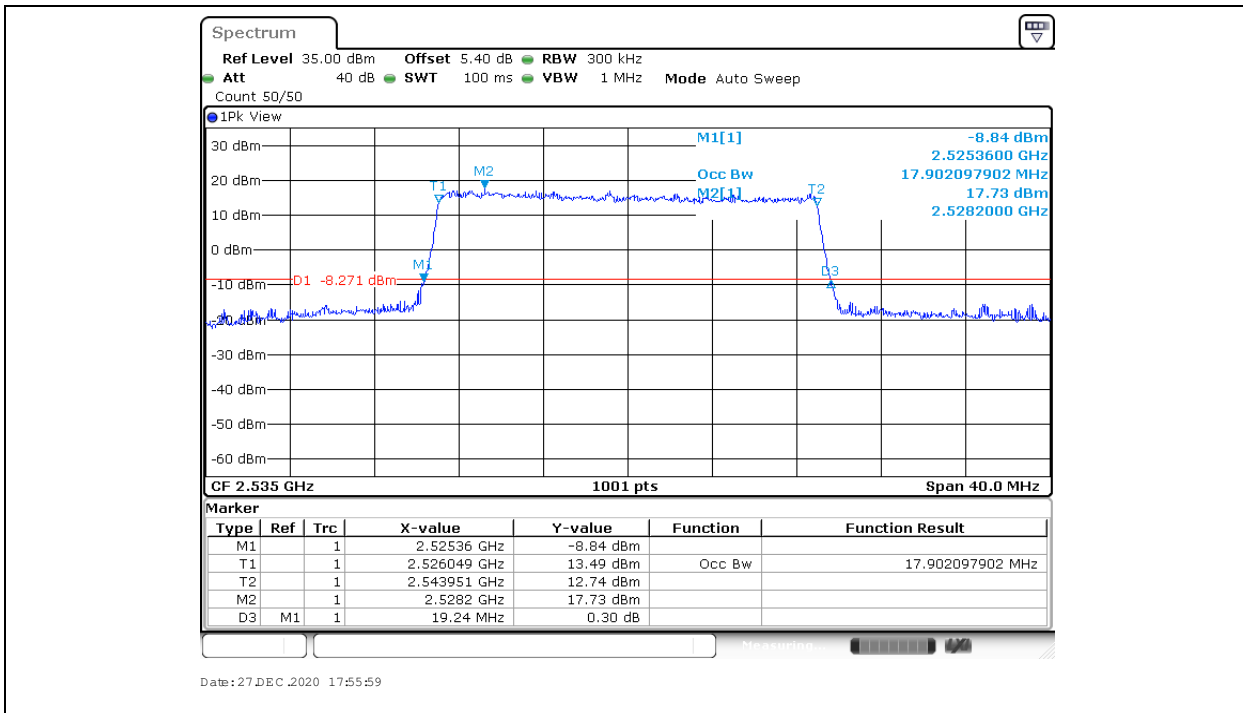
Band7-20MHz-QPSK-20850-100RB#0-17.902



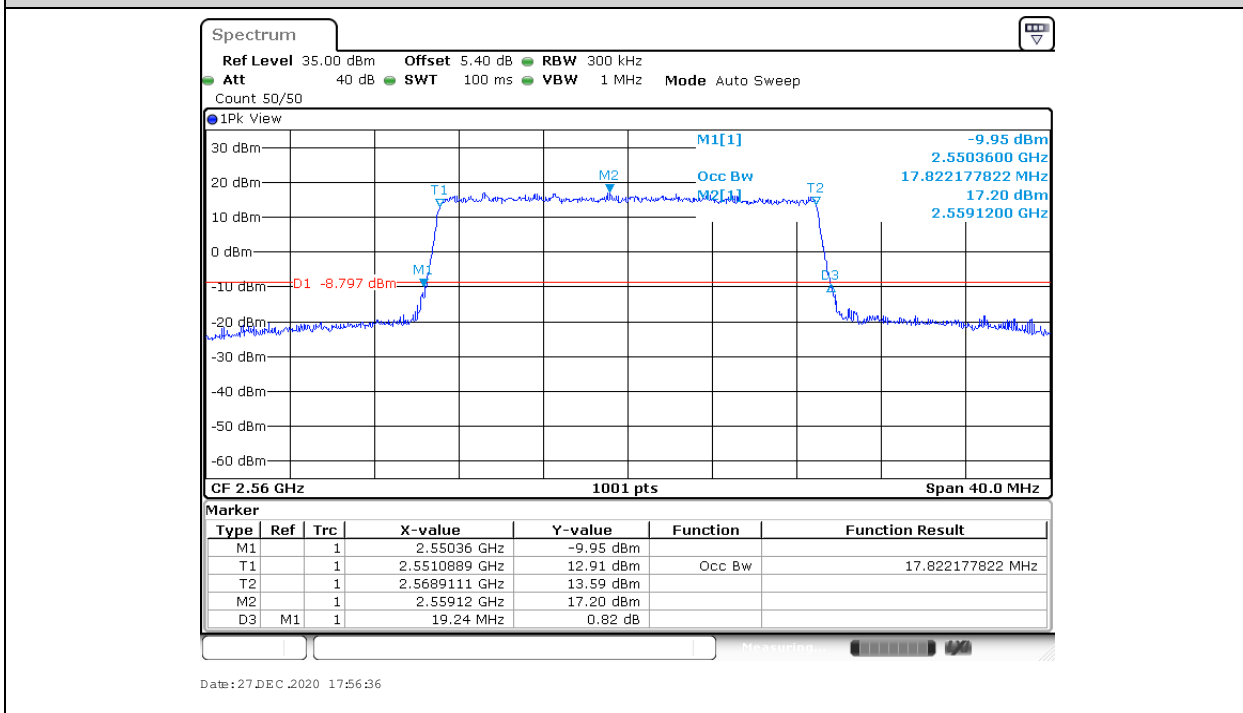
Band7-20MHz-QPSK-21100-100RB#0-17.902



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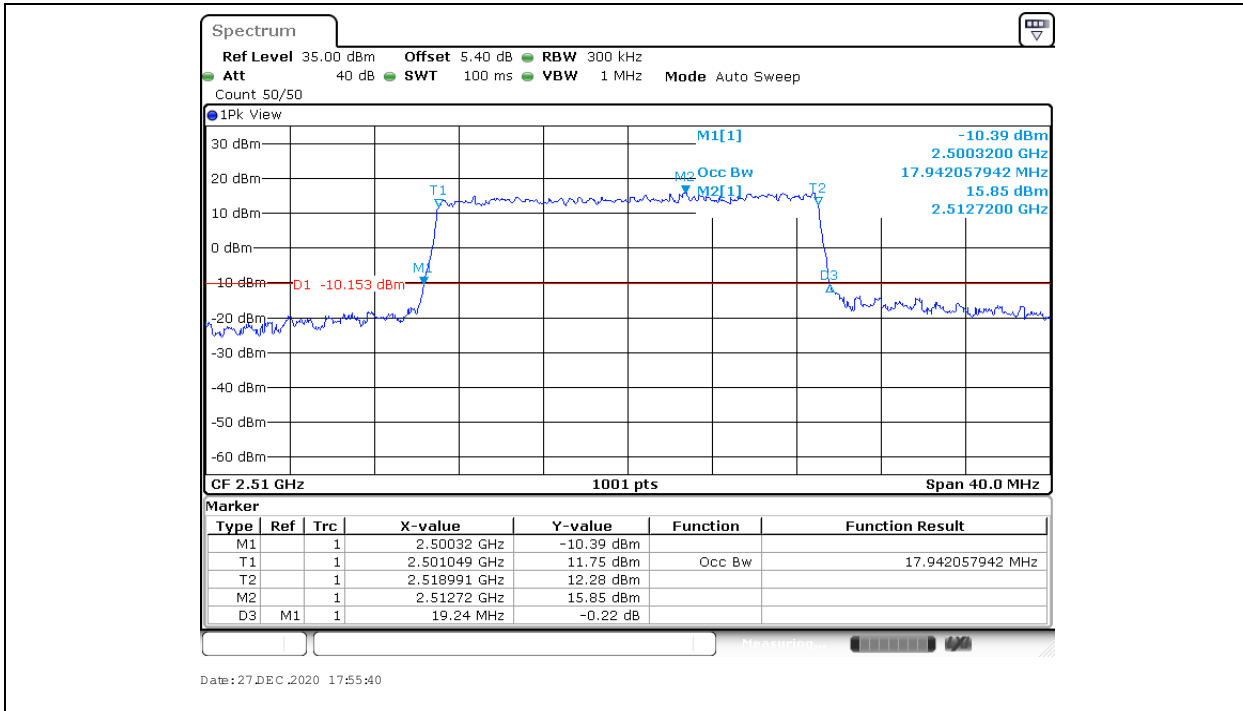
Band7-20MHz-QPSK-21350-100RB#0-17.822



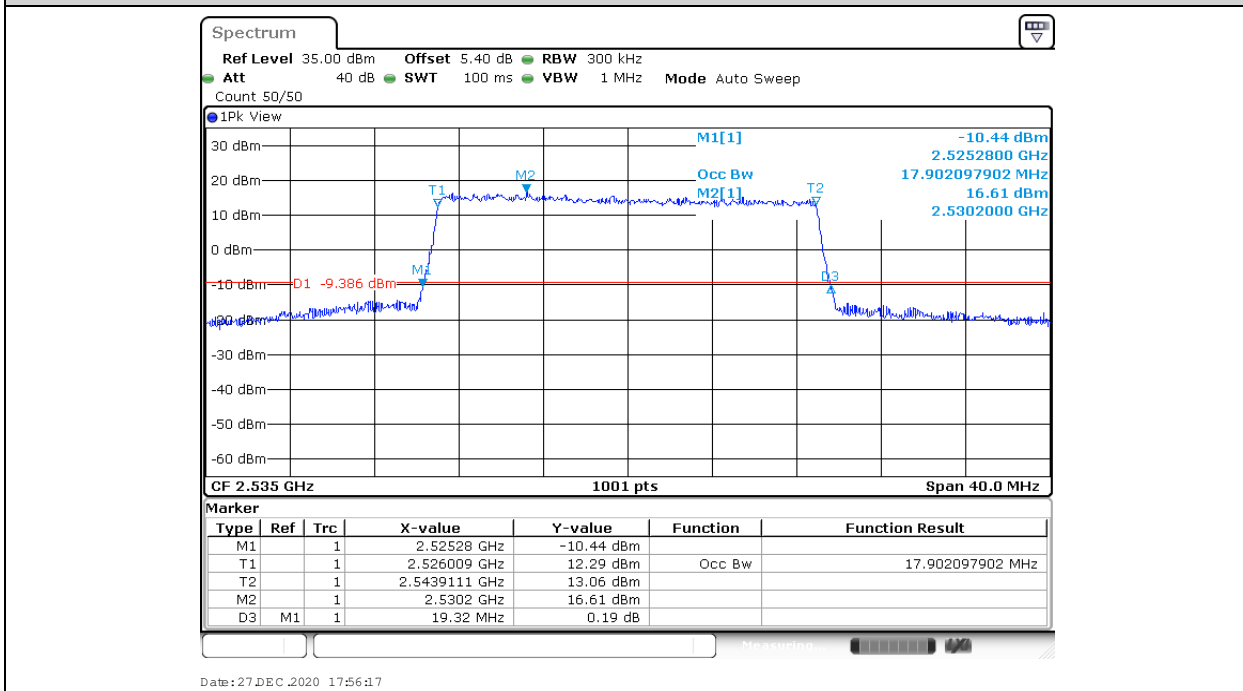
Band7-20MHz-16QAM-20850-100RB#0-17.942



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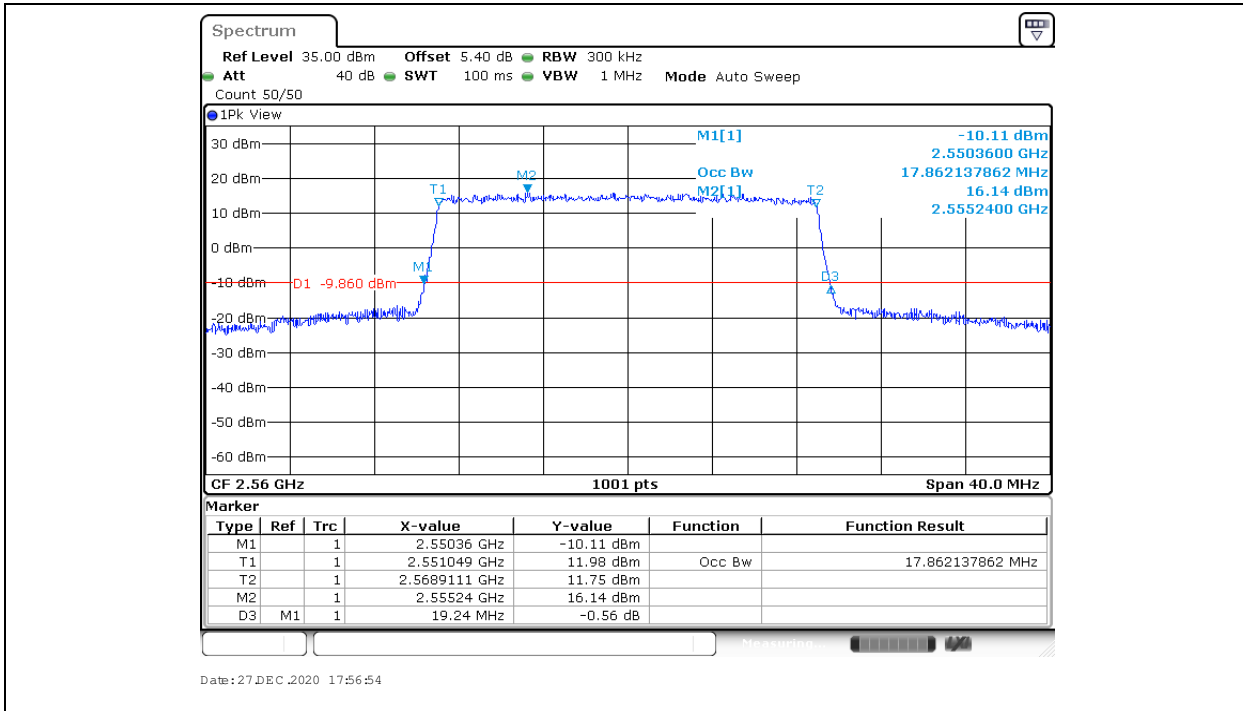
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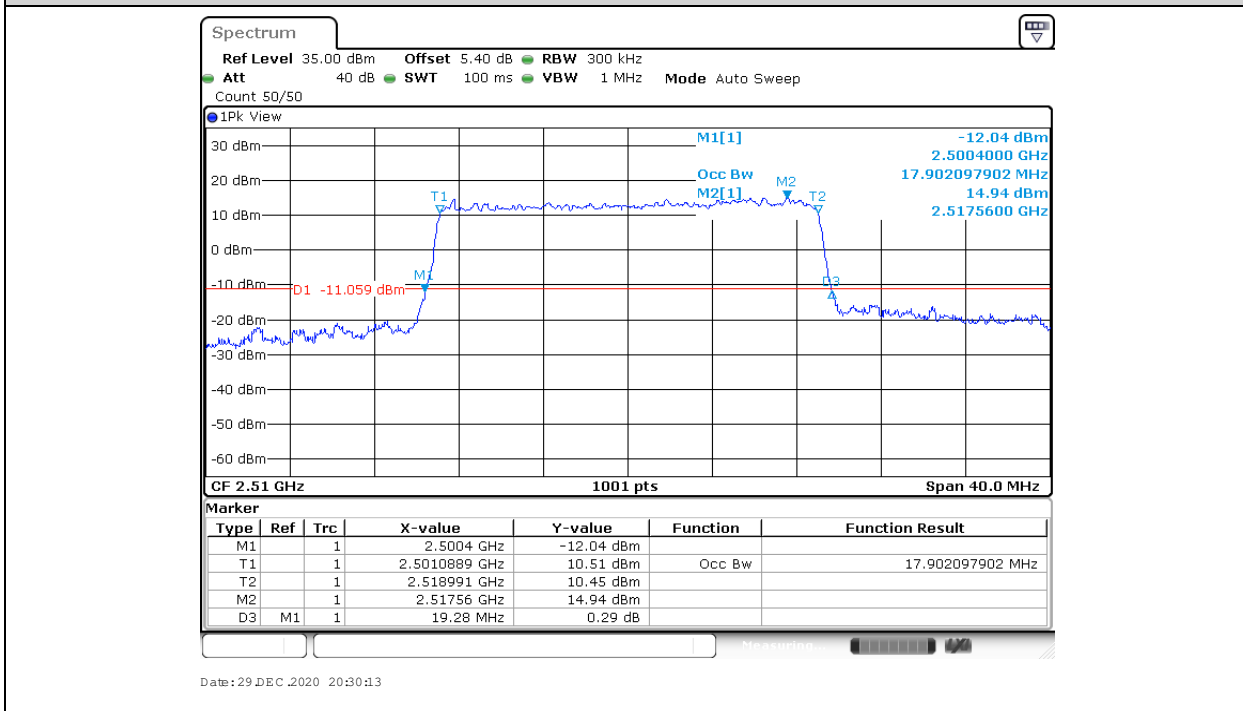
Band7-20MHz-16QAM-21350-100RB#0-17.862



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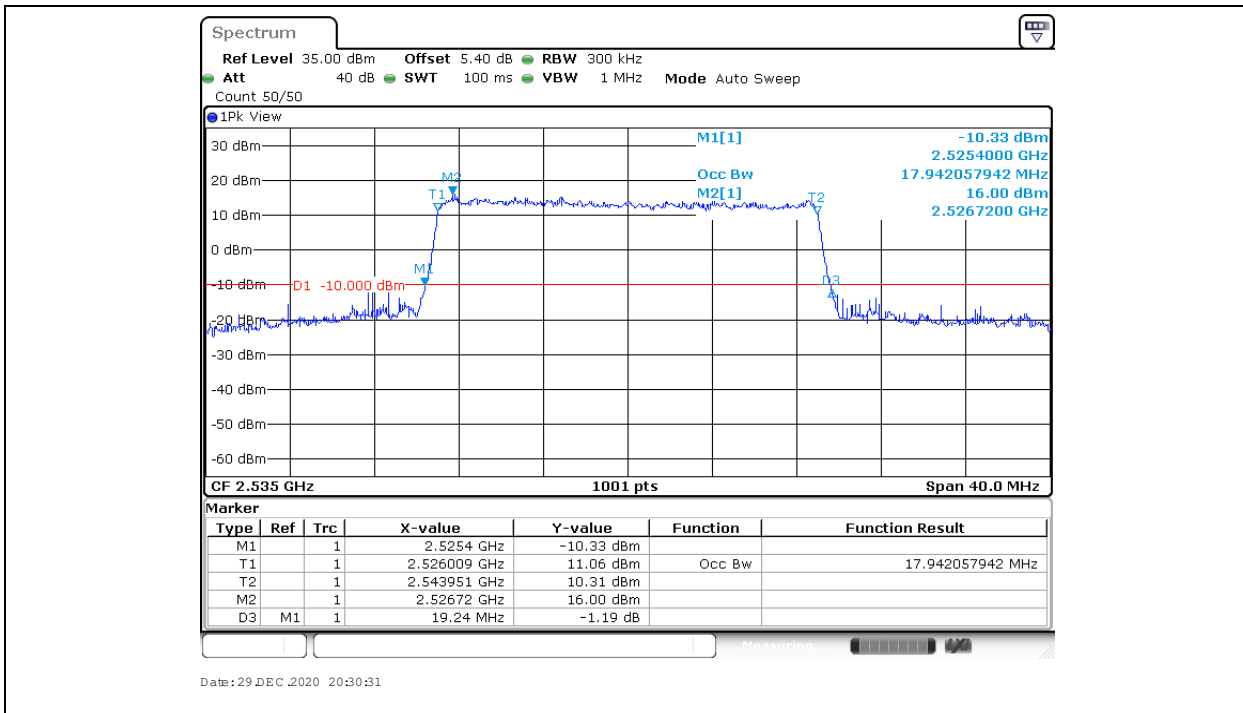
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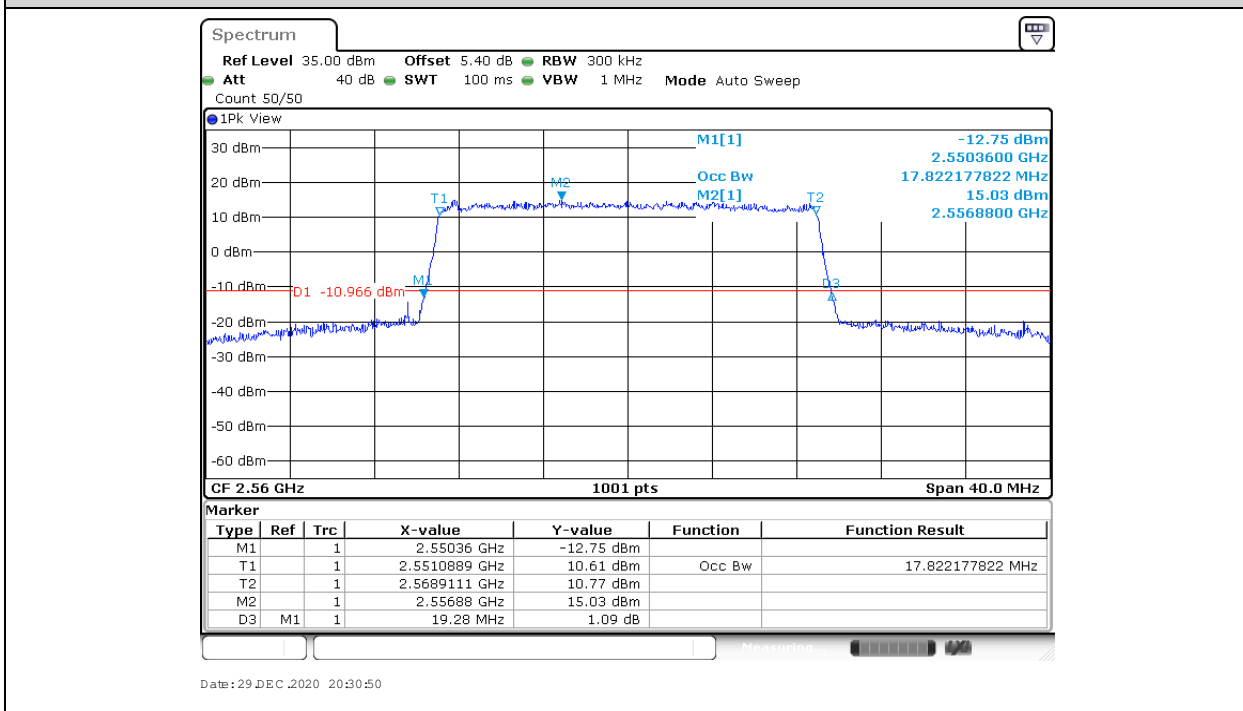
Band7-20MHz-64QAM-21100-100RB#0-17.942



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Band7-20MHz-64QAM-21350-100RB#0-17.822

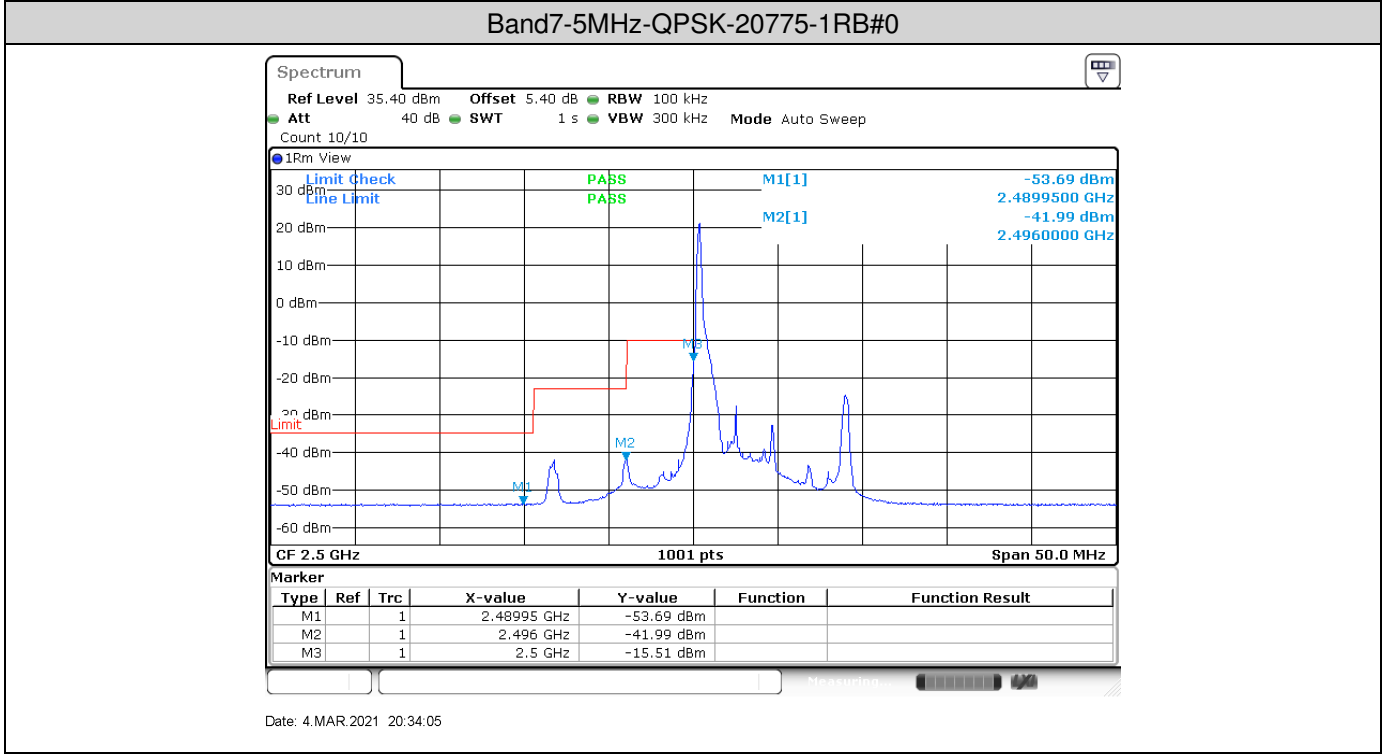


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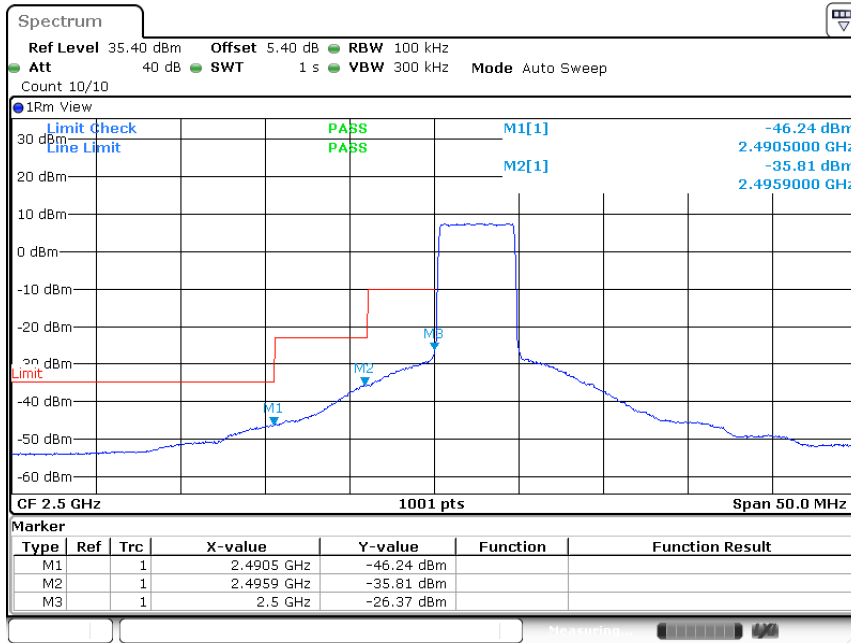
5.1. Test Plots



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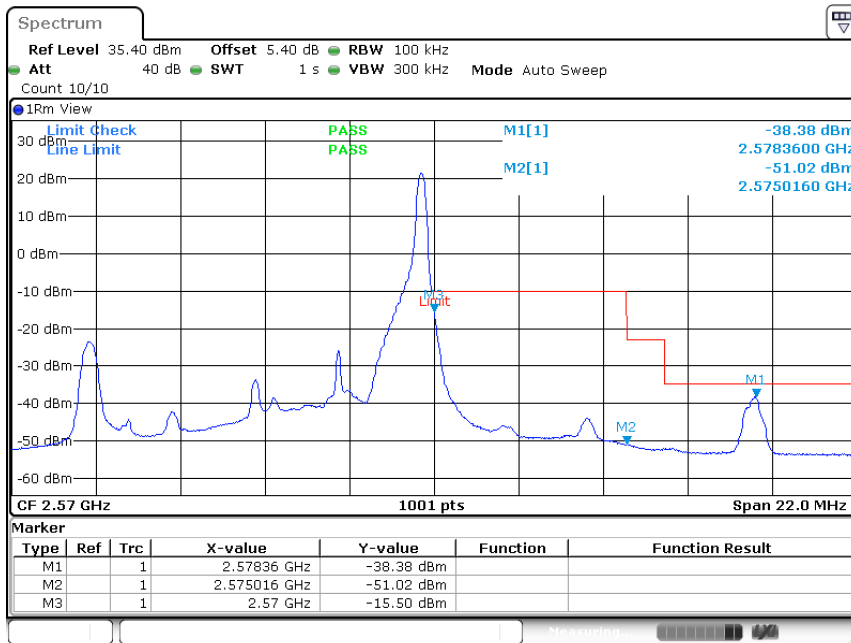
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Band7-5MHz-QPSK-20775-25RB#0



Date: 4.MAR.2021 20:35:38

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

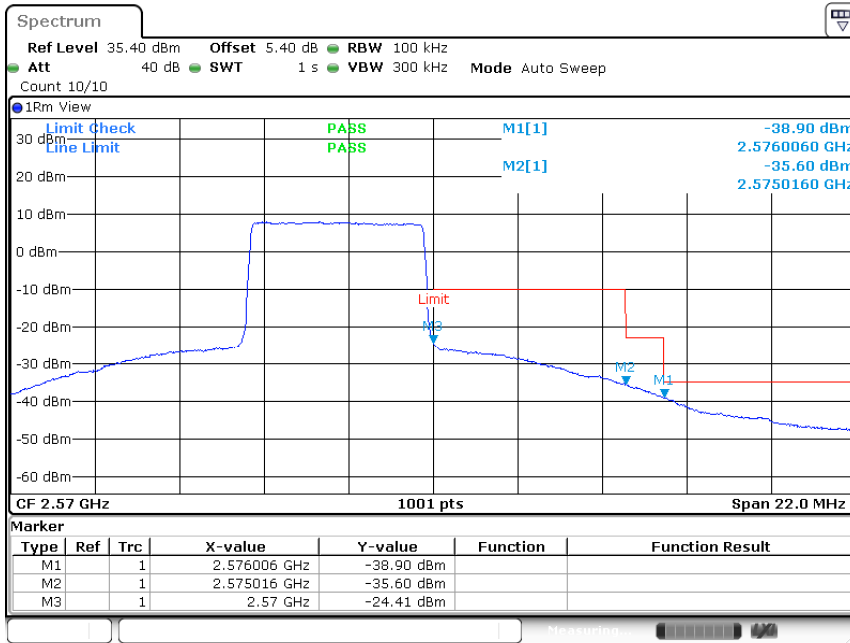


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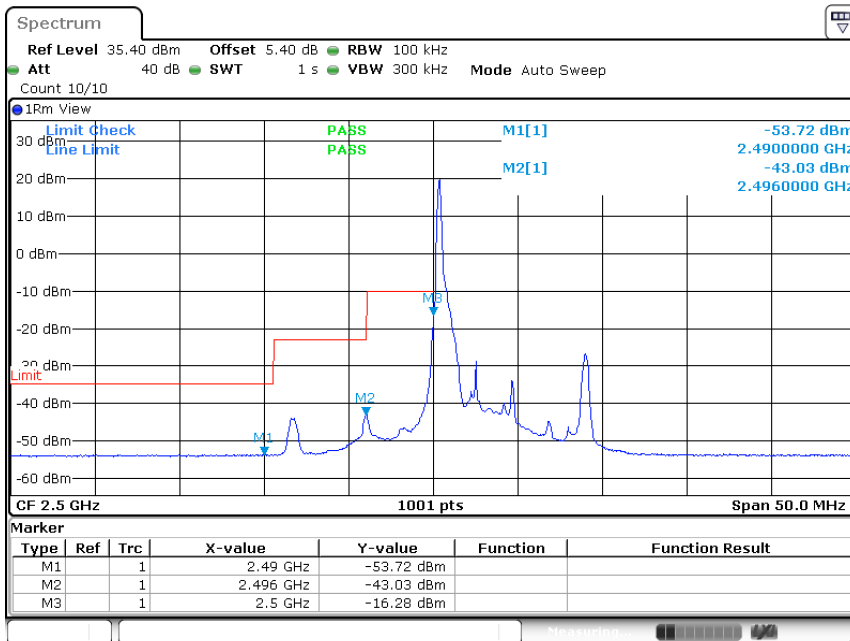
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Band7-5MHz-QPSK-21425-25RB#0



Date: 4.MAR.2021 20:36:21

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

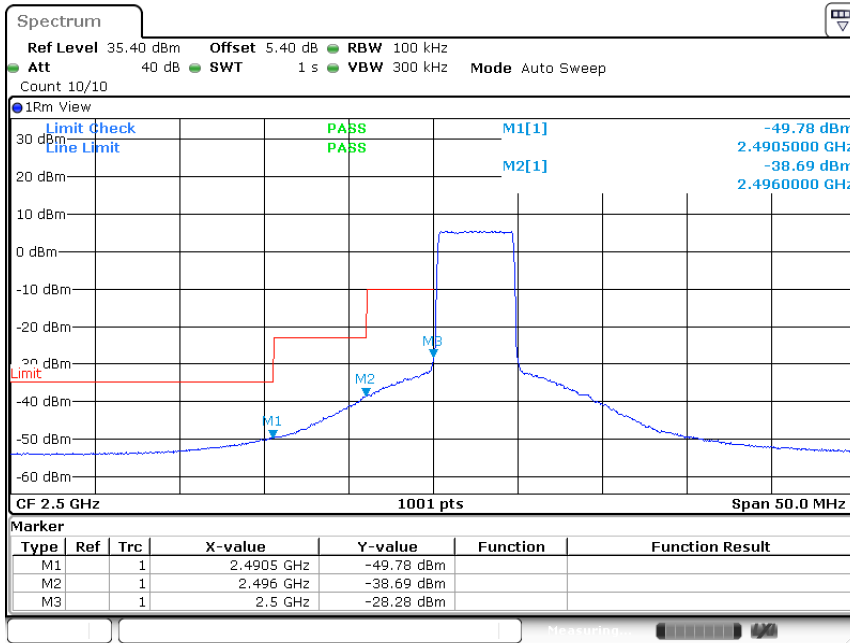


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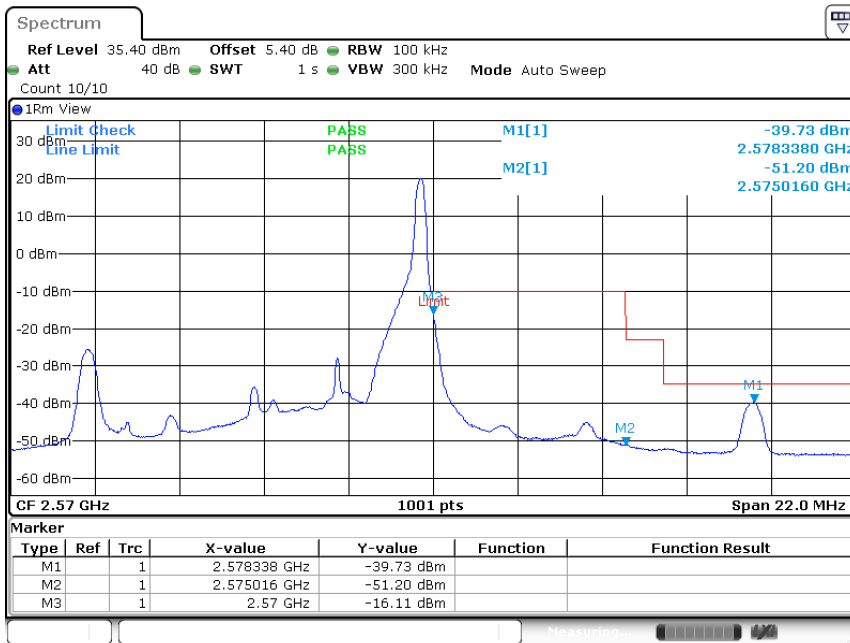
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Band7-5MHz-64QAM-20775-25RB#0



Date: 4.MAR.2021 20:51:19

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

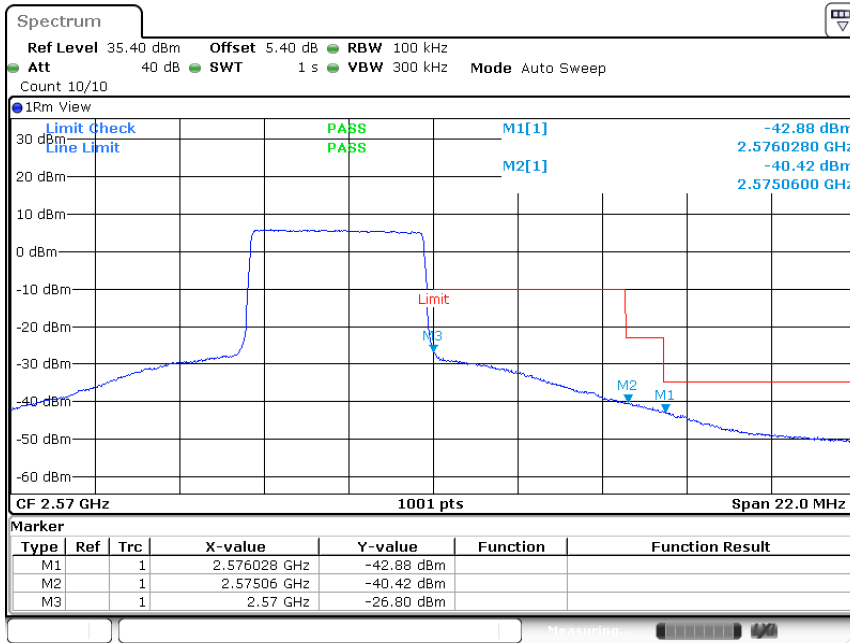


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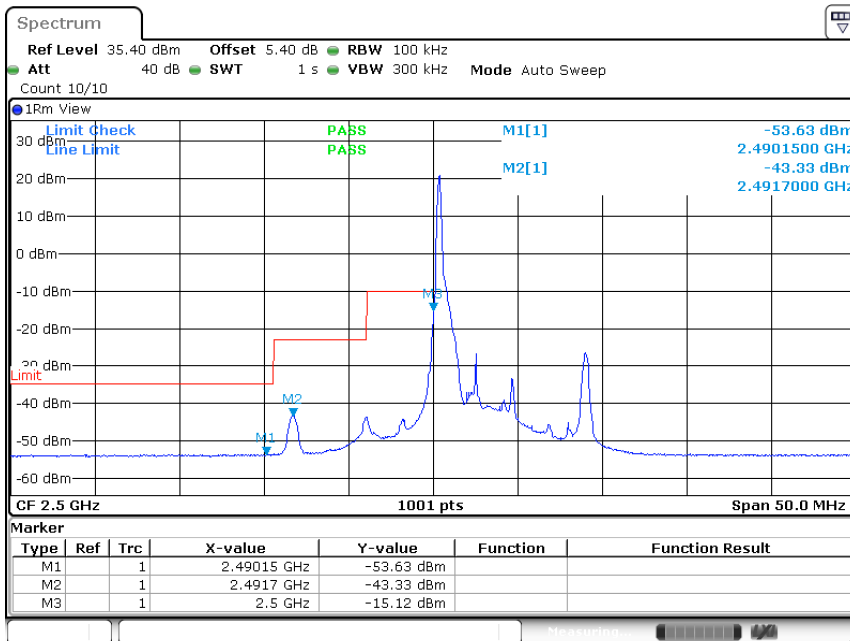
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Band7-5MHz-64QAM-21425-25RB#0



Date: 4.MAR.2021 20:51:41

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

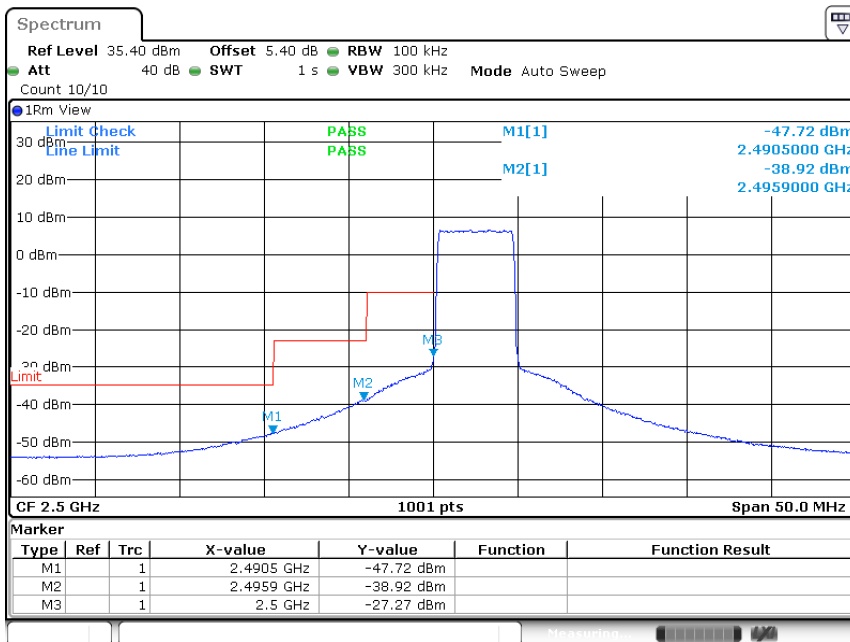


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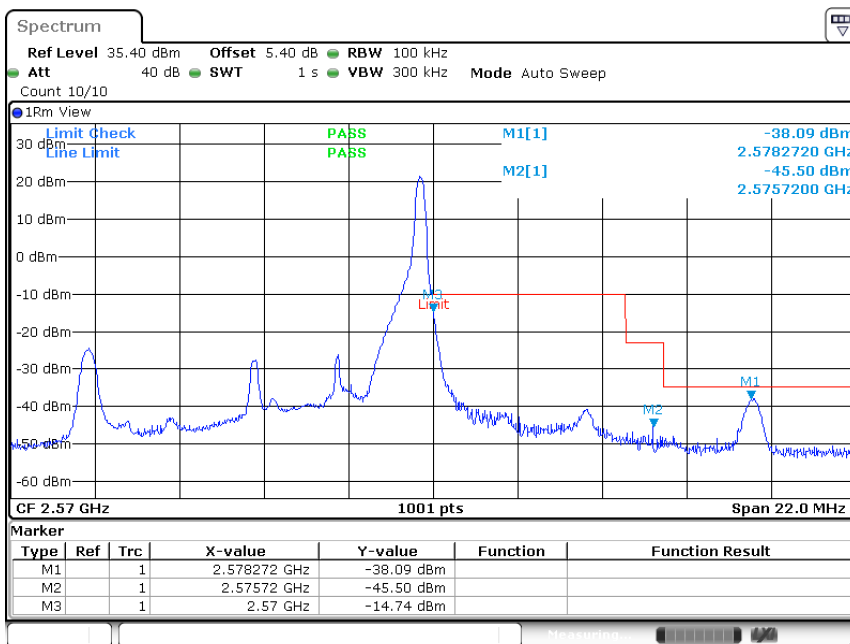
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Band7-5MHz-16QAM-20775-25RB#0



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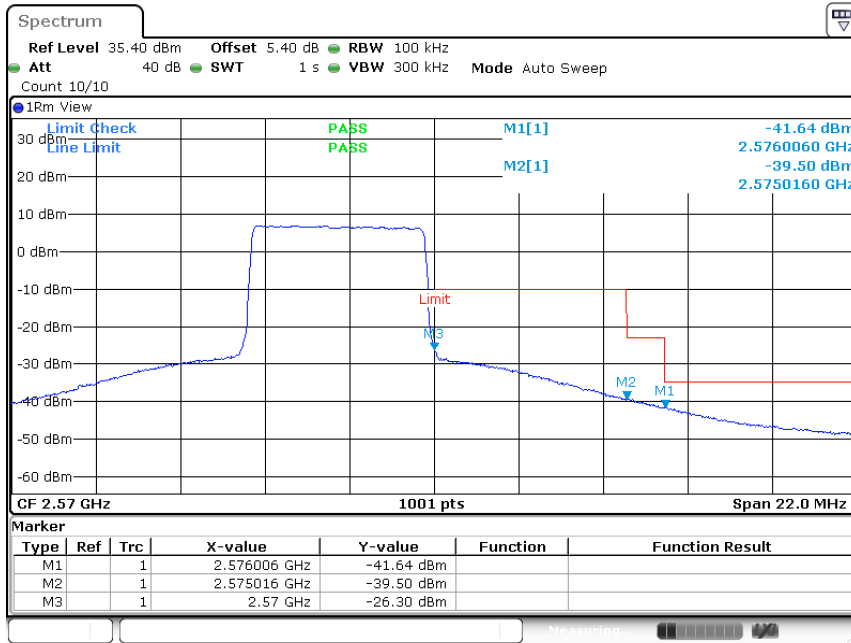


Date: 4.MAR.2021 20:35:13



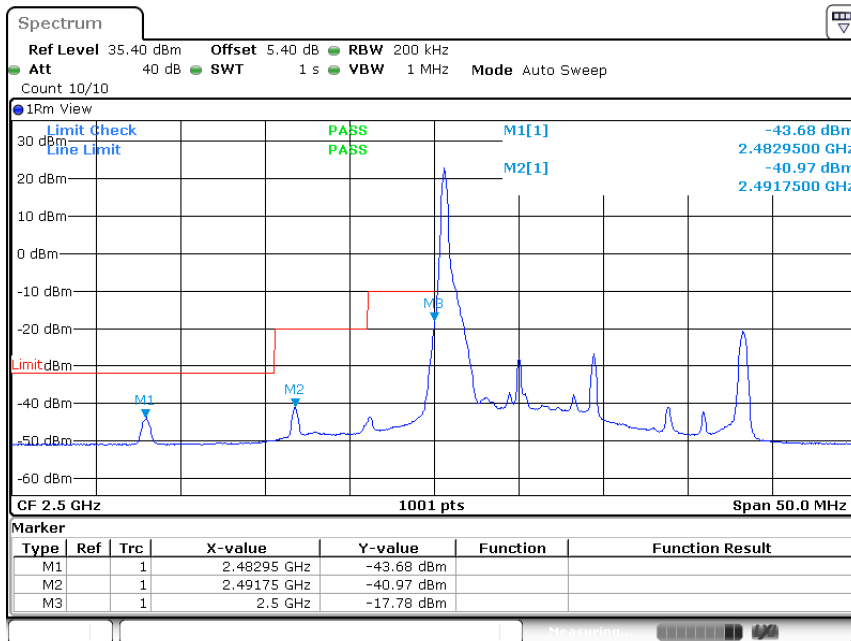
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Band7-5MHz-16QAM-21425-25RB#0



Date: 4.MAR.2021 20:36:42

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

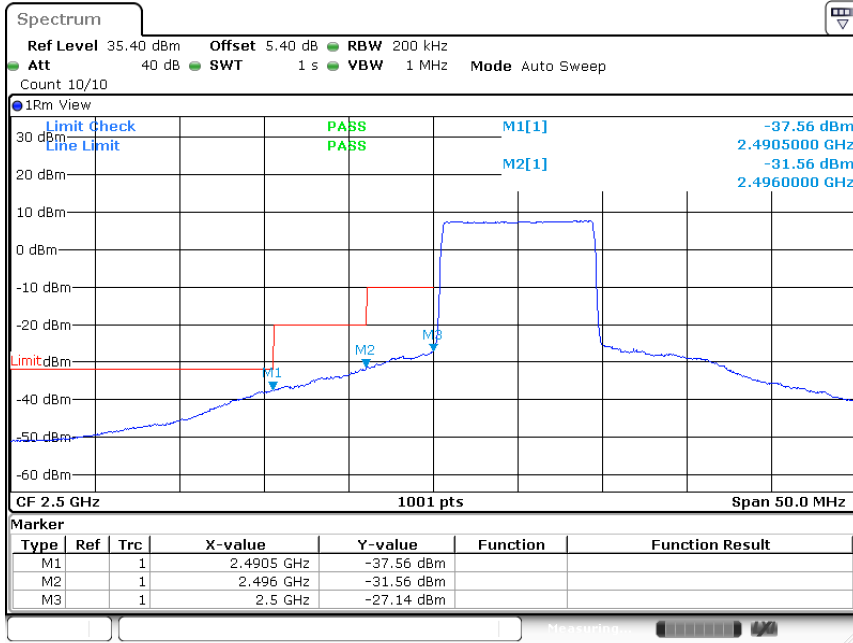


Date: 4.MAR.2021 20:37:08



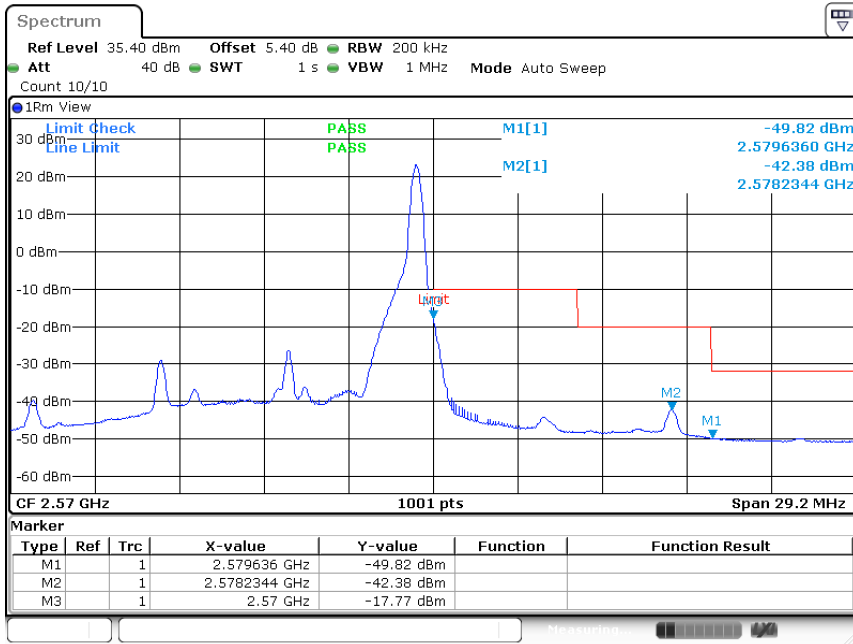
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Band7-10MHz-QPSK-20800-50RB#0



Date: 4.MAR.2021 20:38:41

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

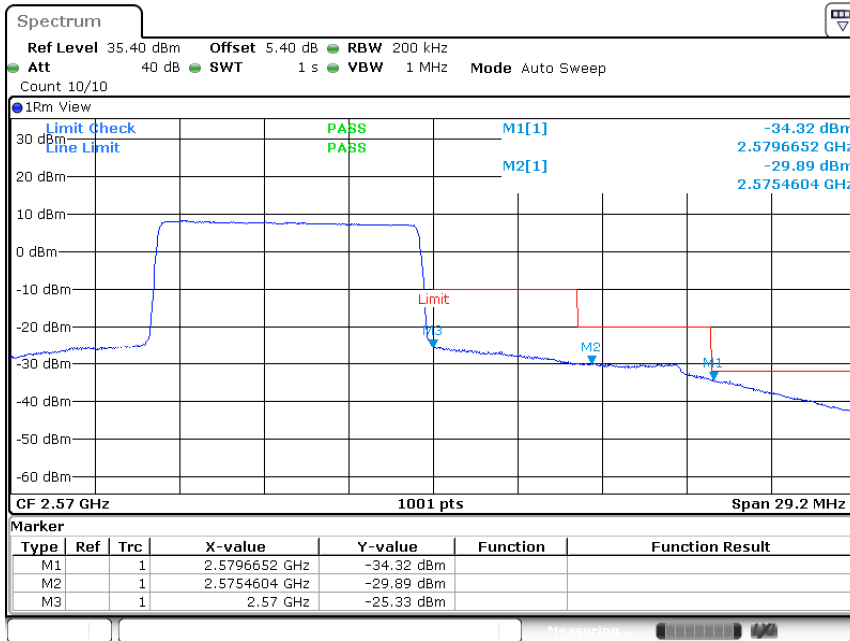


Date: 4.MAR.2021 20:37:54



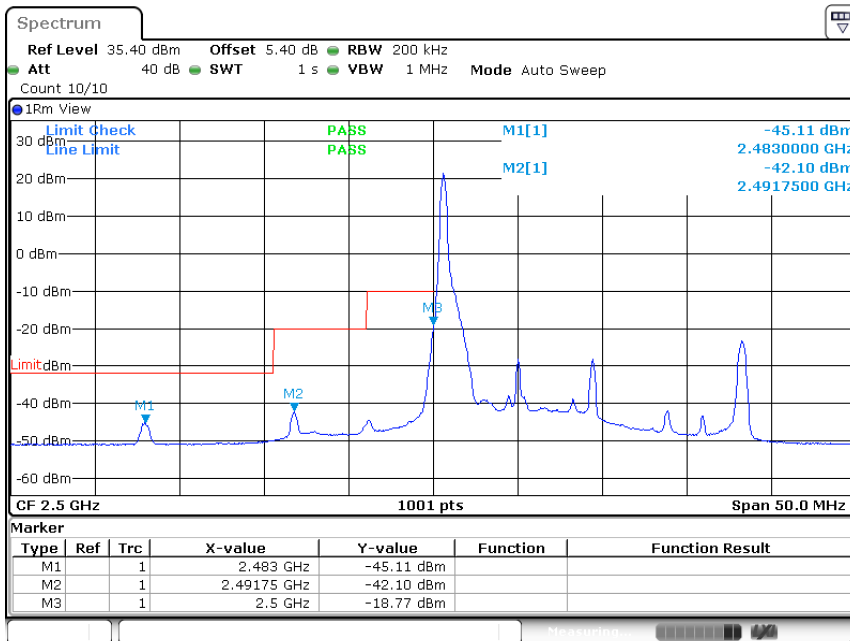
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Band7-10MHz-QPSK-21400-50RB#0



Date: 4.MAR.2021 20:39:23

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

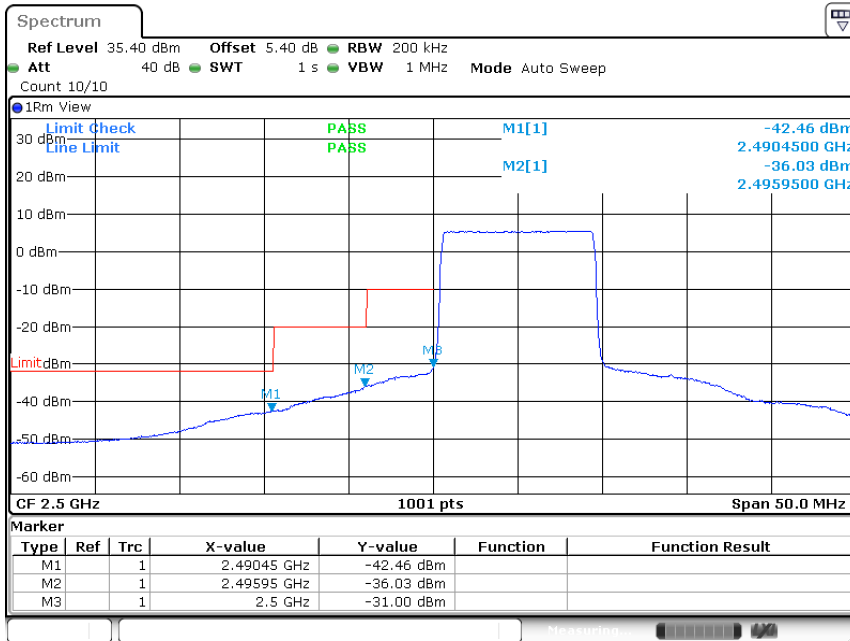


Date: 4.MAR.2021 20:52:07



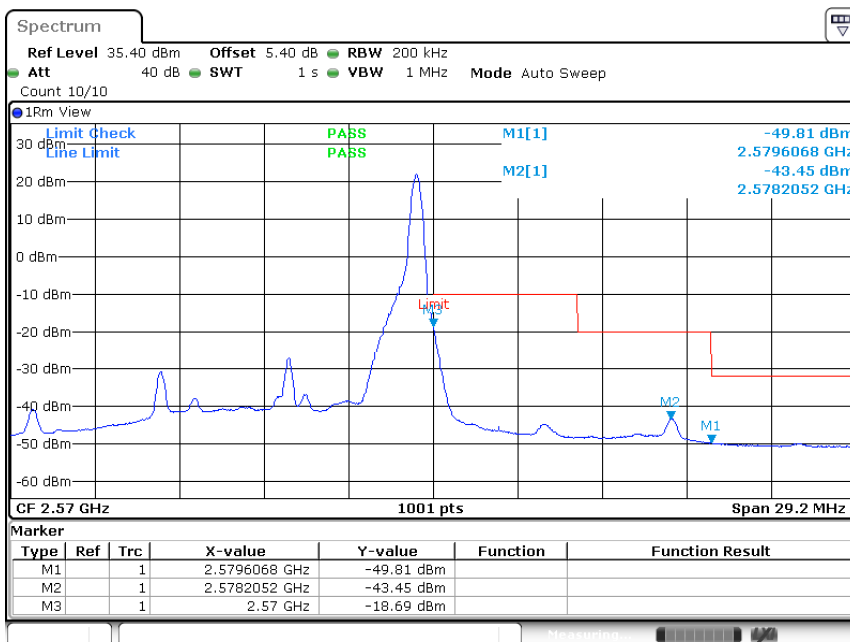
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Band7-10MHz-64QAM-20800-50RB#0



Date: 4.MAR.2021 20:52:59

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

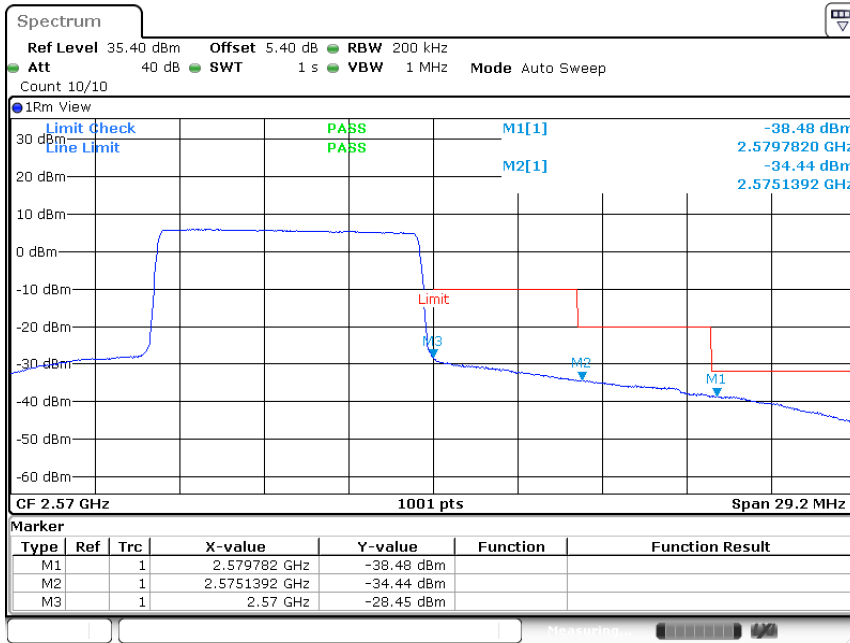


Date: 4.MAR.2021 20:52:33



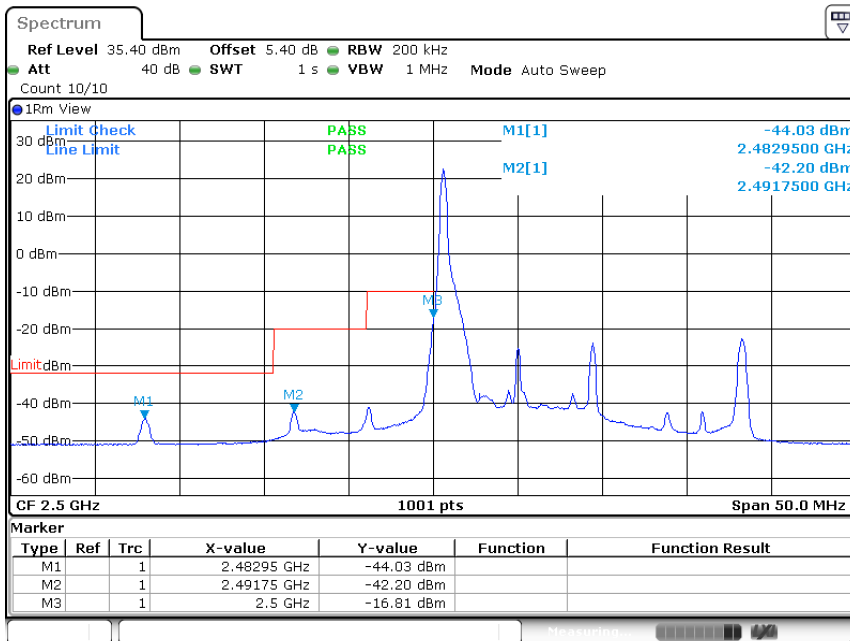
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Band7-10MHz-64QAM-21400-50RB#0



Date: 4.MAR.2021 20:53:20

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

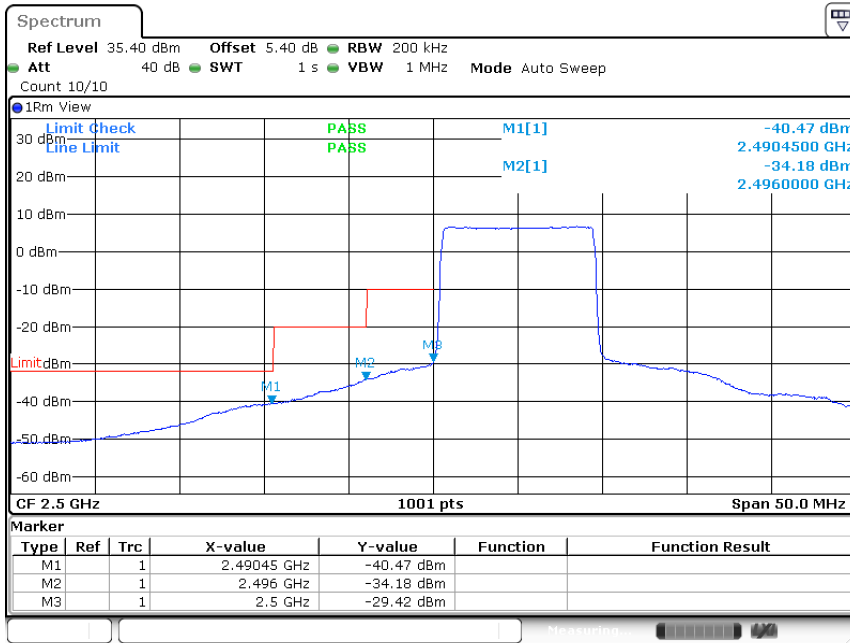


Date: 4.MAR.2021 20:37:29



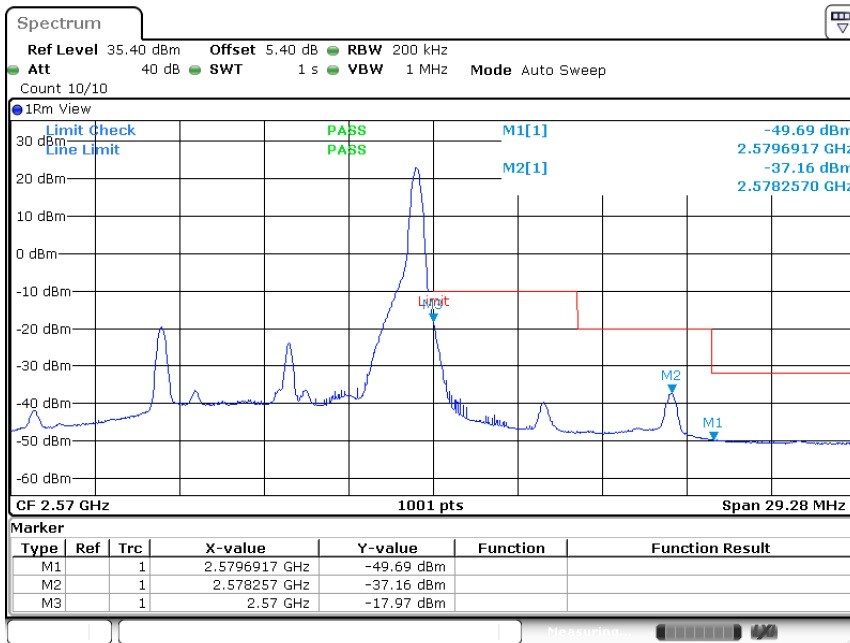
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Band7-10MHz-16QAM-20800-50RB#0



Date: 4.MAR.2021 20:39:02

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

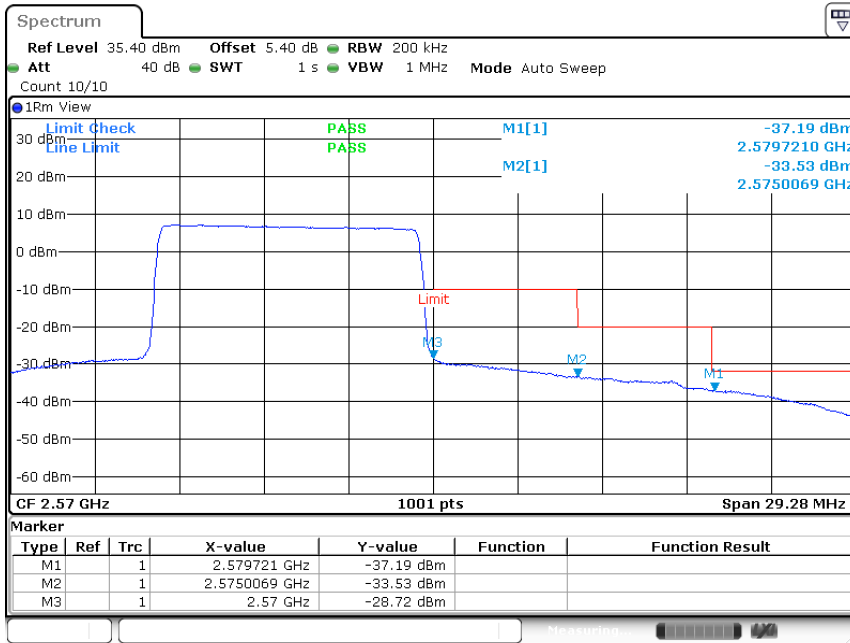


Date: 4.MAR.2021 20:38:16



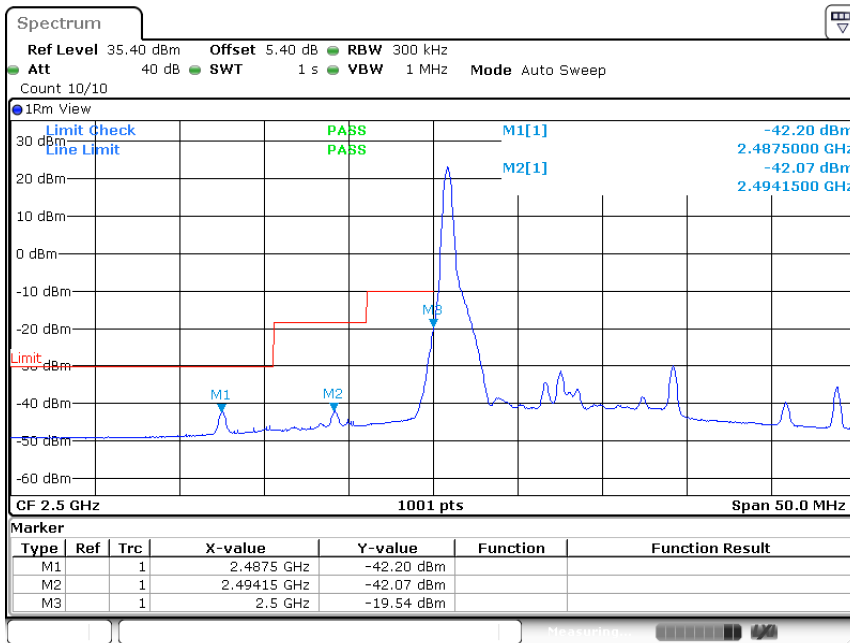
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Band7-10MHz-16QAM-21400-50RB#0



Date: 4.MAR.2021 20:39:45

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

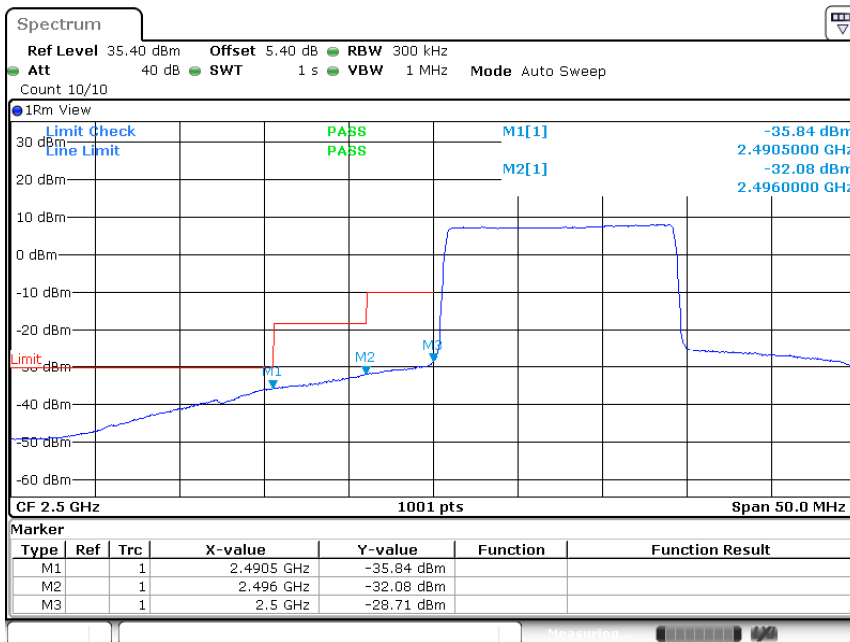


Date: 4.MAR.2021 20:40:11



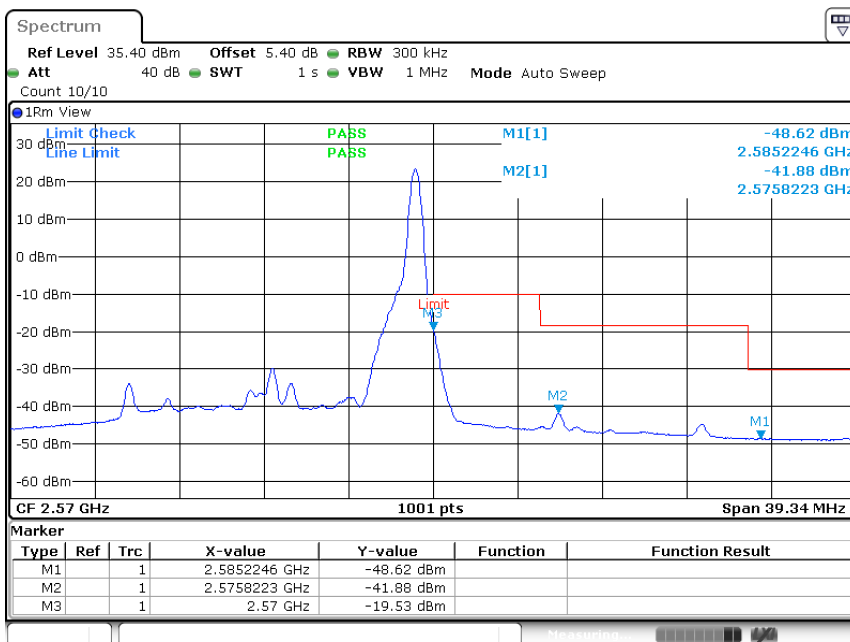
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Band7-15MHz-QPSK-20825-75RB#0



Date: 4.MAR.2021 20:41:44

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

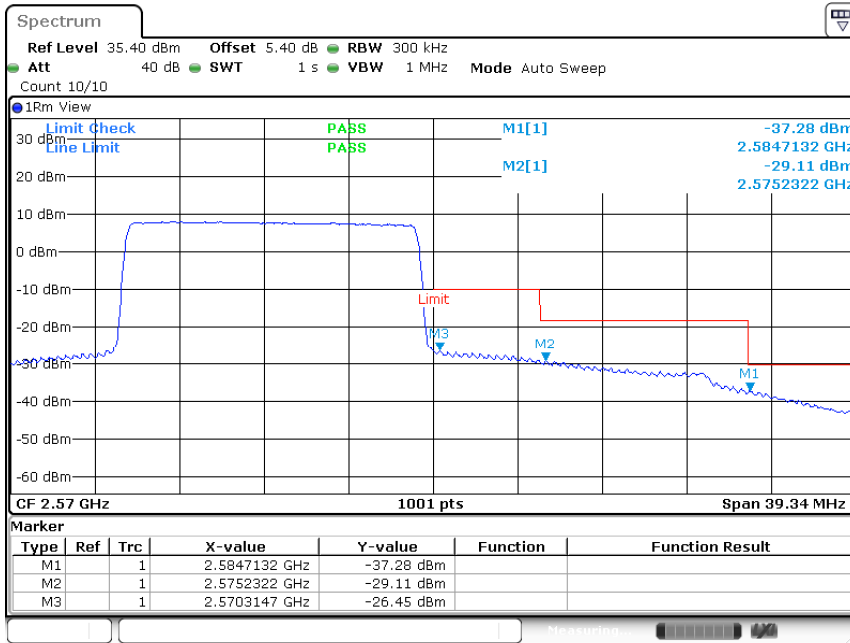


Date: 4.MAR.2021 20:40:57



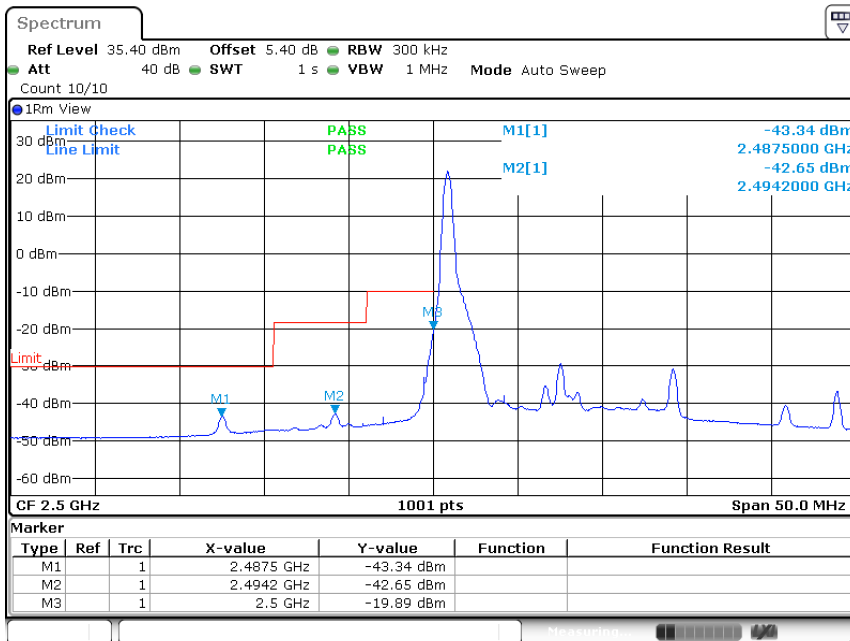
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Band7-15MHz-QPSK-21375-75RB#0



Date: 4.MAR.2021 20:42:28

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

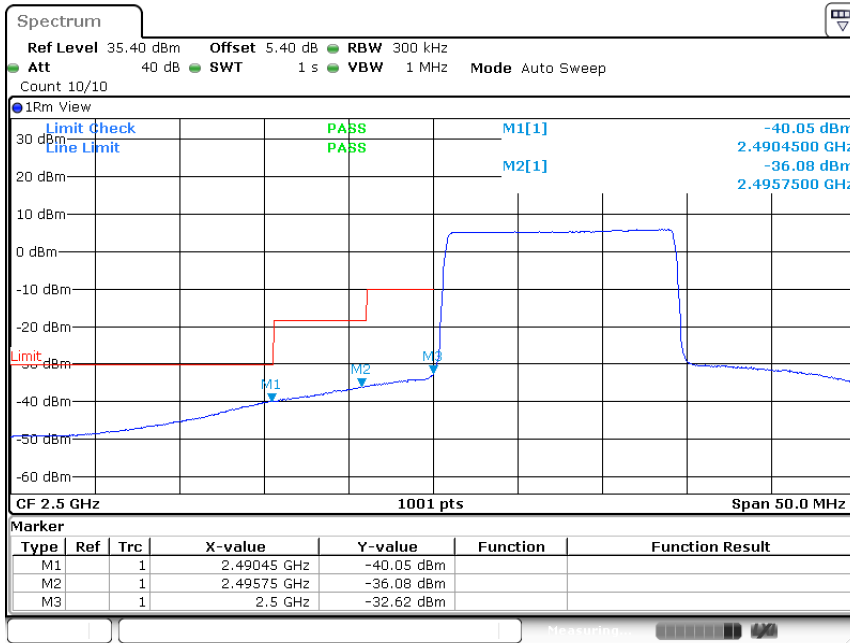


Date: 4.MAR.2021 20:53:46



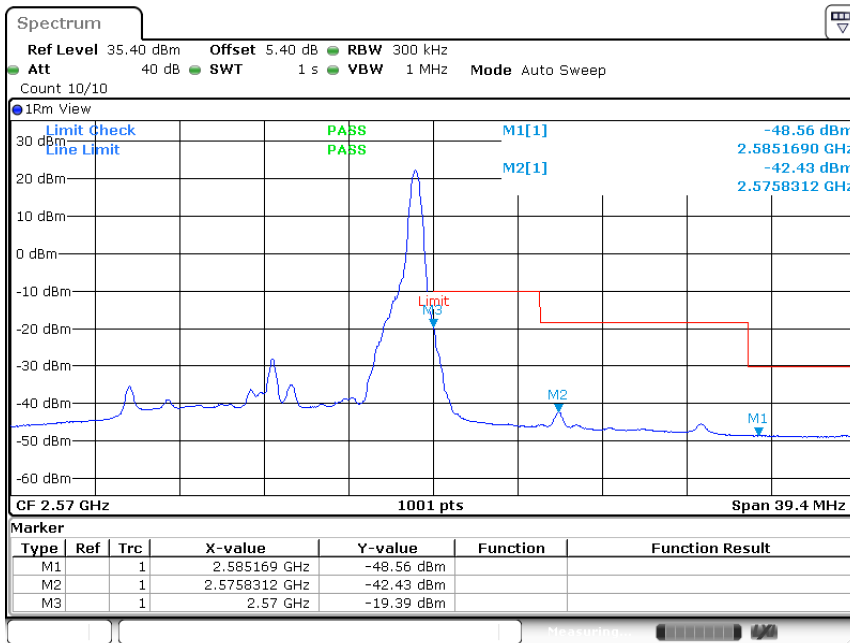
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Band7-15MHz-64QAM-20825-75RB#0



Date: 4.MAR.2021 20:54:37

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

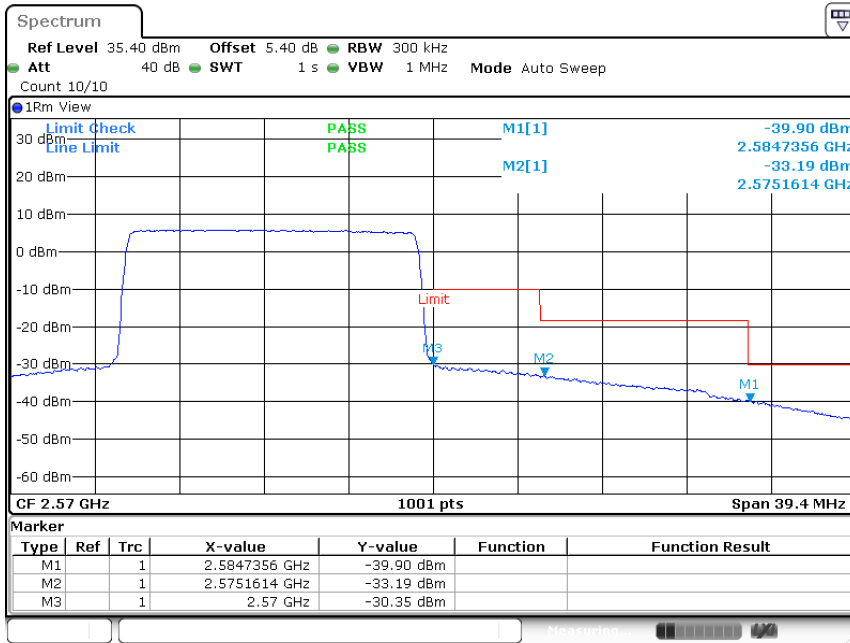


Date: 4.MAR.2021 20:54:12



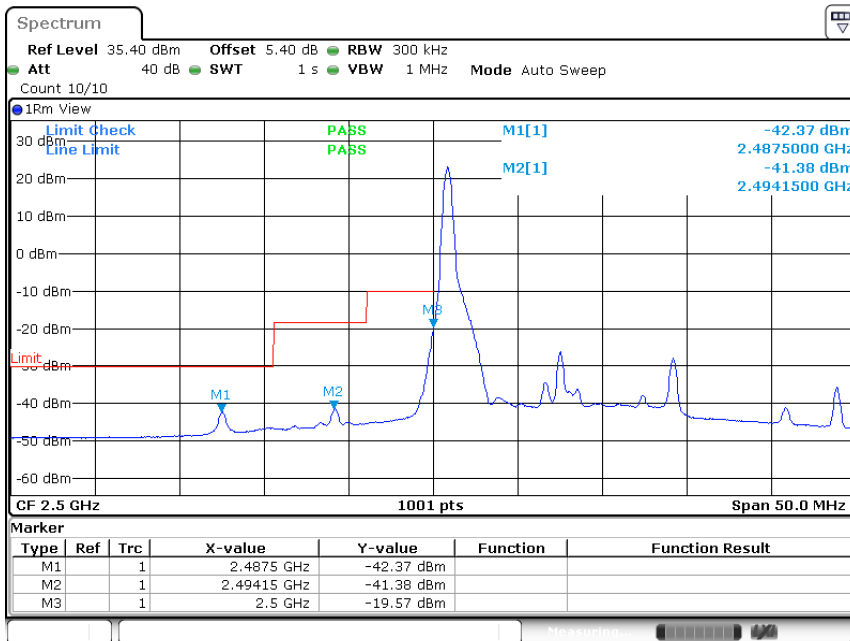
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Band7-15MHz-64QAM-21375-75RB#0



Date: 4.MAR.2021 20:54:59

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

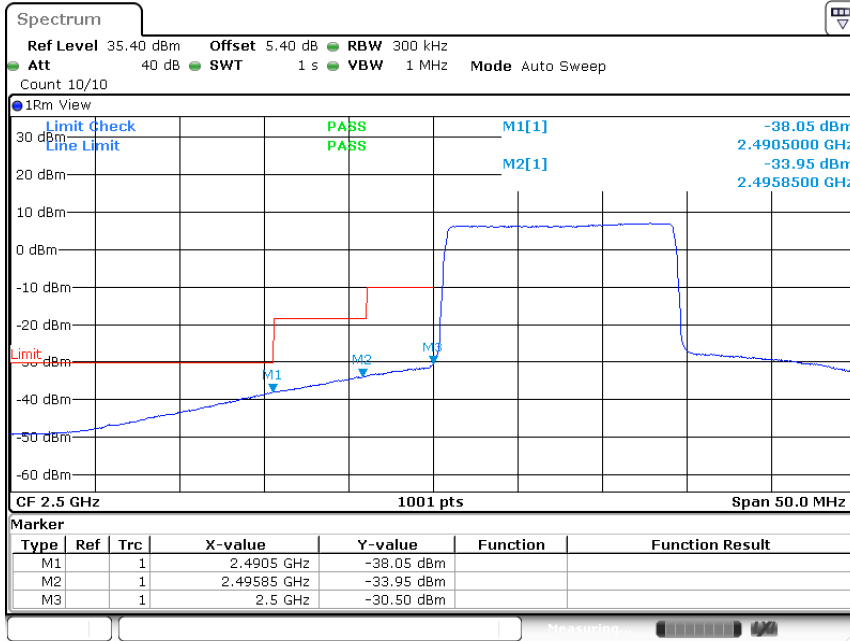


Date: 4.MAR.2021 20:40:32



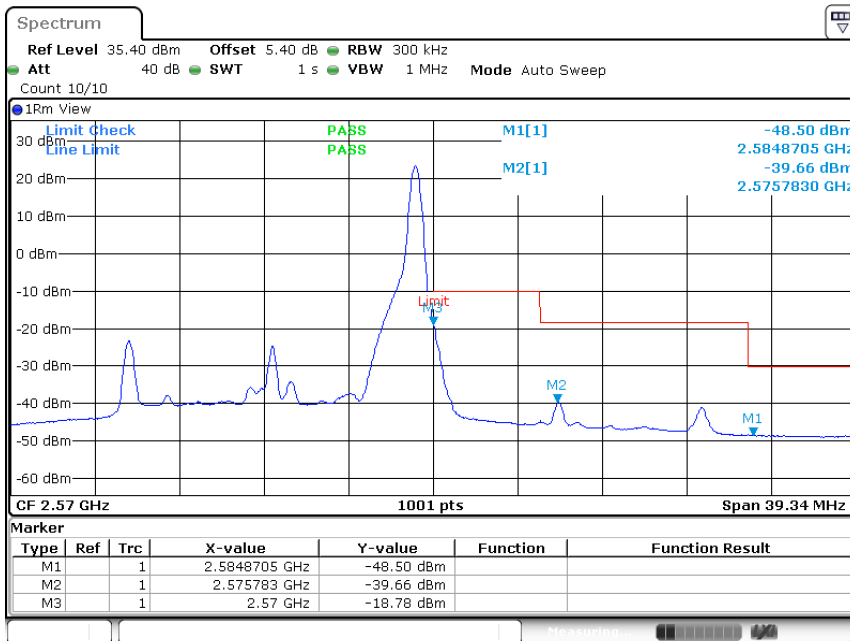
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Band7-15MHz-16QAM-20825-75RB#0



Date: 4.MAR.2021 20:42:06

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

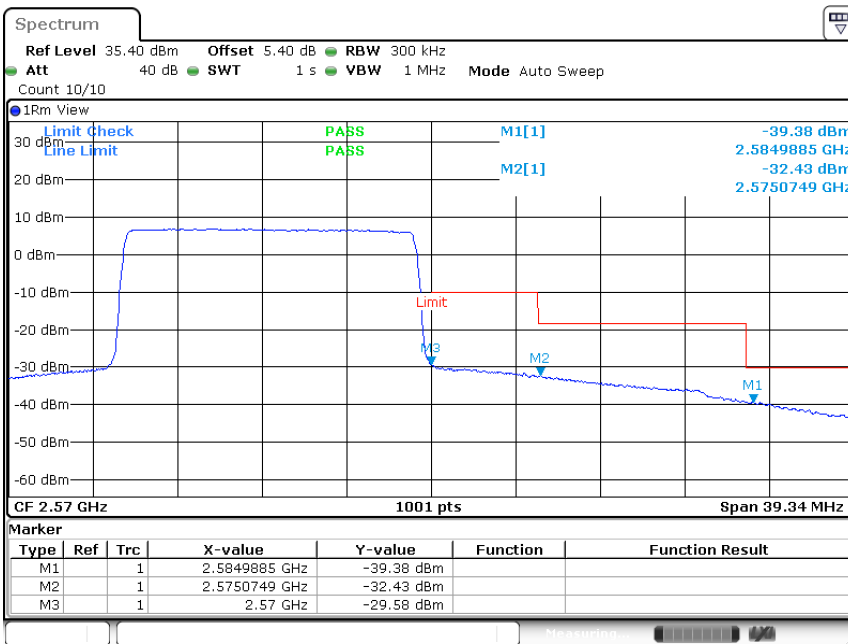


Date: 4.MAR.2021 20:41:19



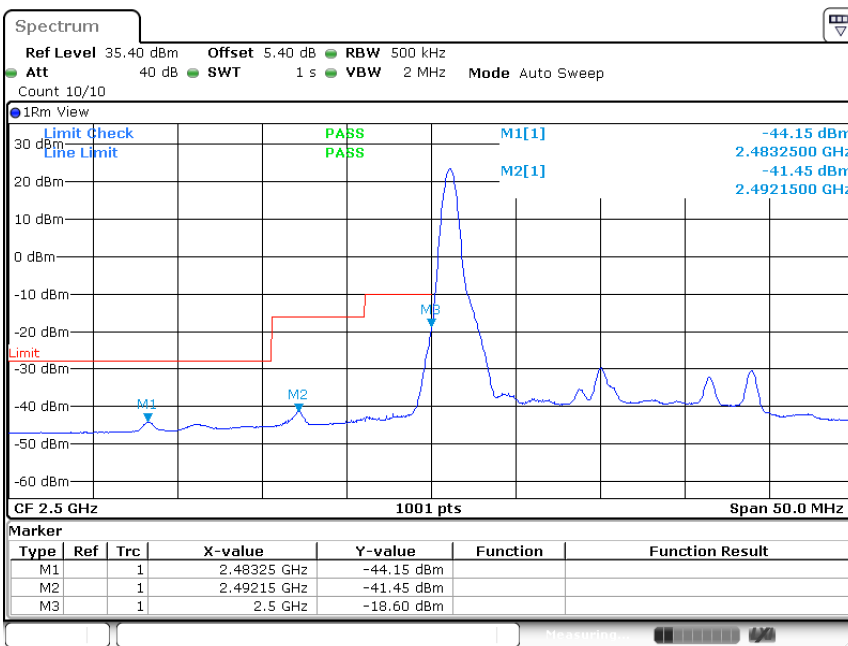
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Band7-15MHz-16QAM-21375-75RB#0



Date: 4.MAR.2021 20:42:49

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

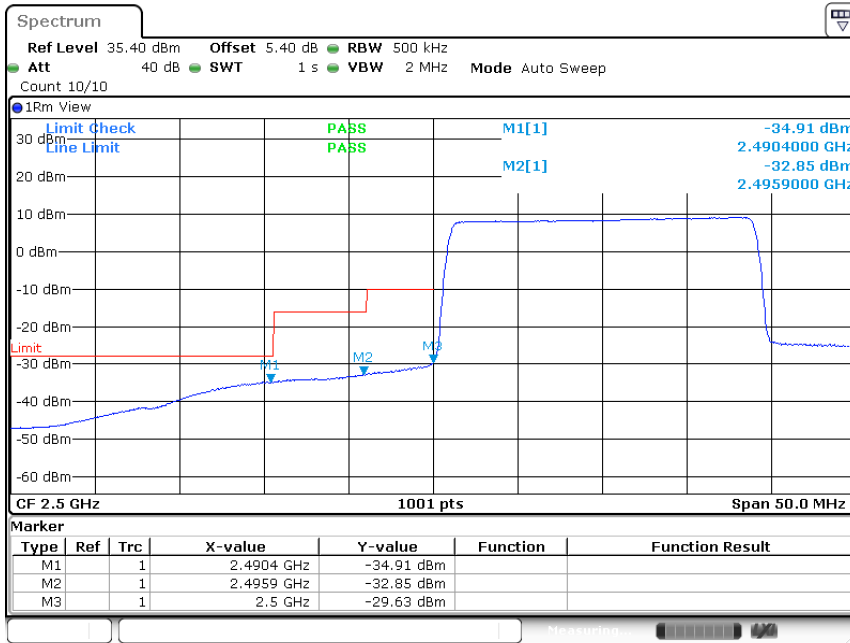


Date: 4.MAR.2021 20:43:15



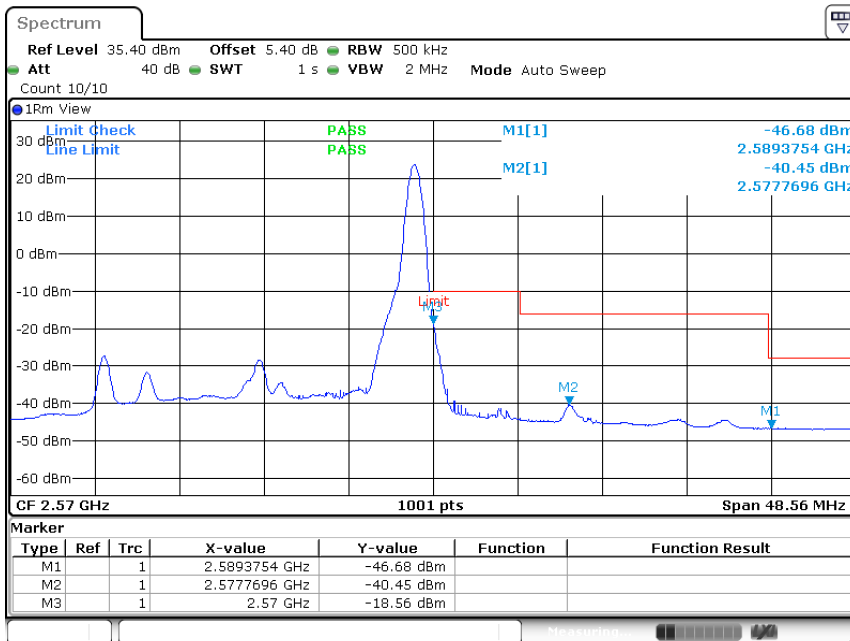
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Band7-20MHz-QPSK-20850-100RB#0



Date: 4.MAR.2021 20:44:49

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

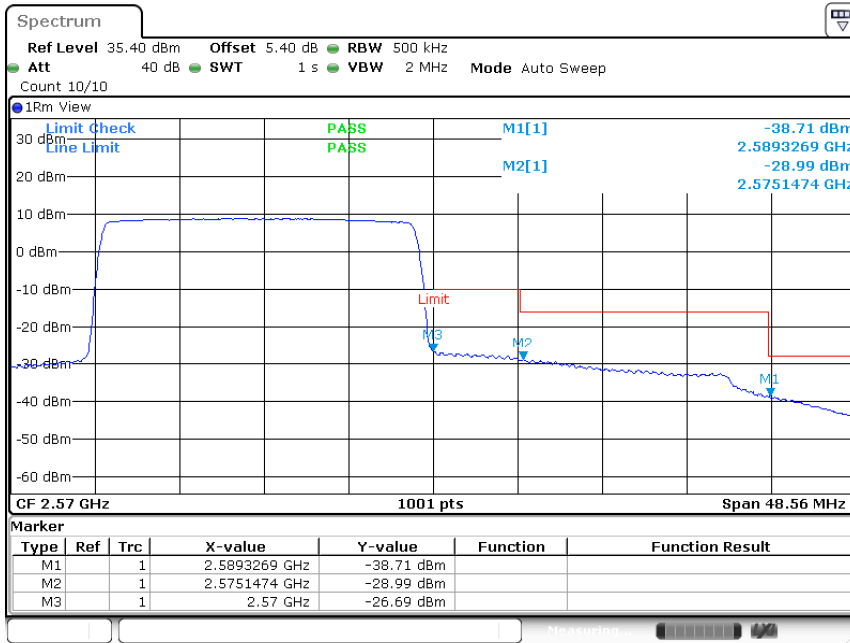


Date: 4.MAR.2021 20:44:01



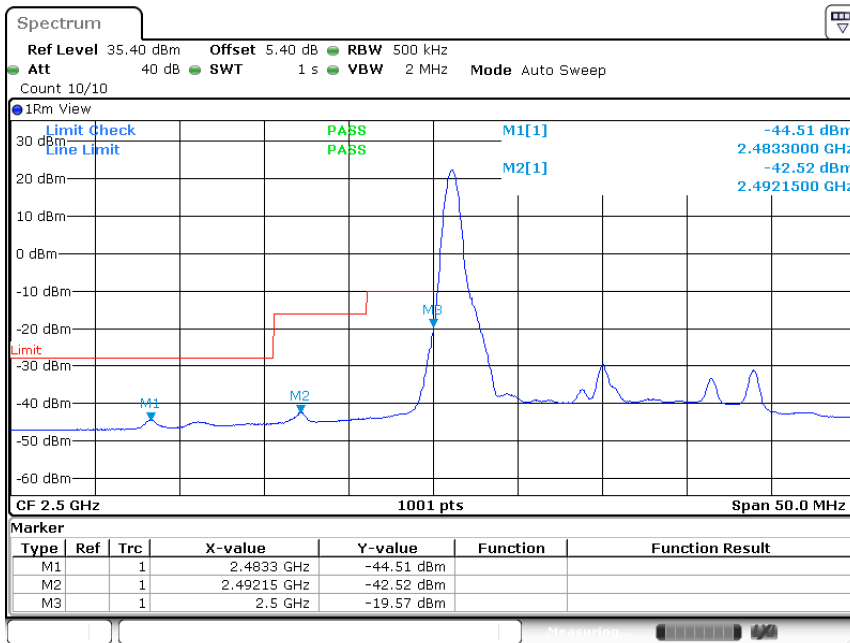
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Band7-20MHz-QPSK-21350-100RB#0



Date: 4.MAR.2021 20:45:31

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

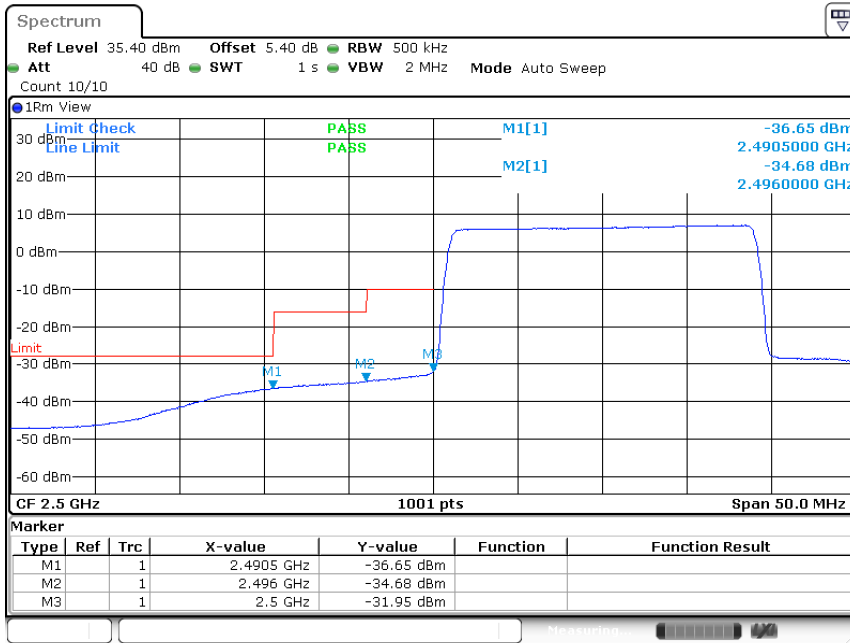


Date: 4.MAR.2021 20:55:25



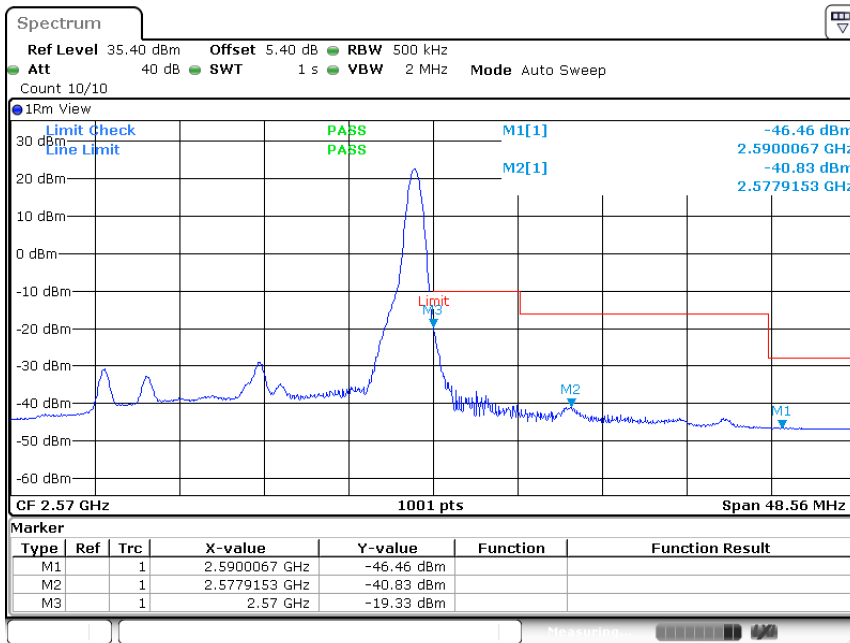
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Band7-20MHz-64QAM-20850-100RB#0



Date: 4.MAR.2021 20:56:17

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

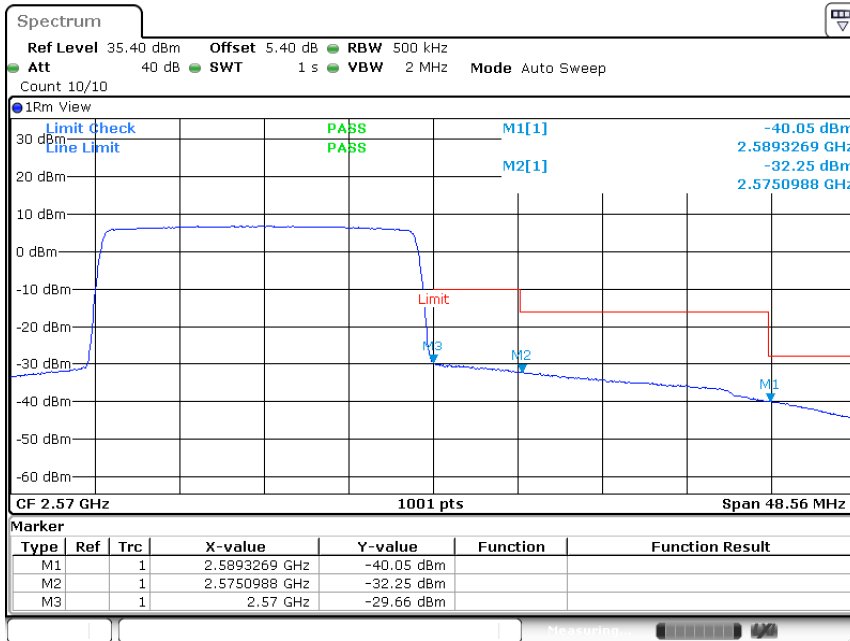


Date: 4.MAR.2021 20:55:51



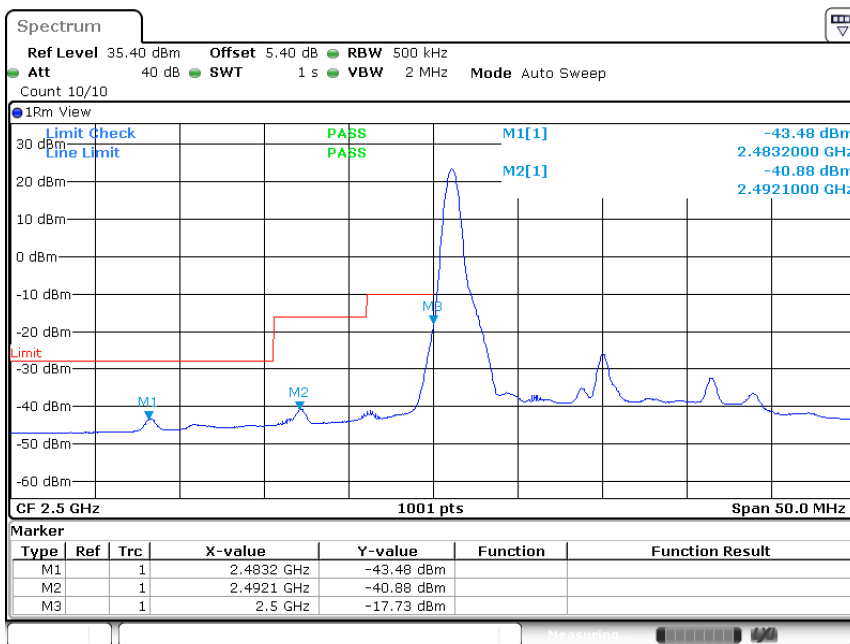
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Band7-20MHz-64QAM-21350-100RB#0



Date: 4.MAR.2021 20:56:38

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

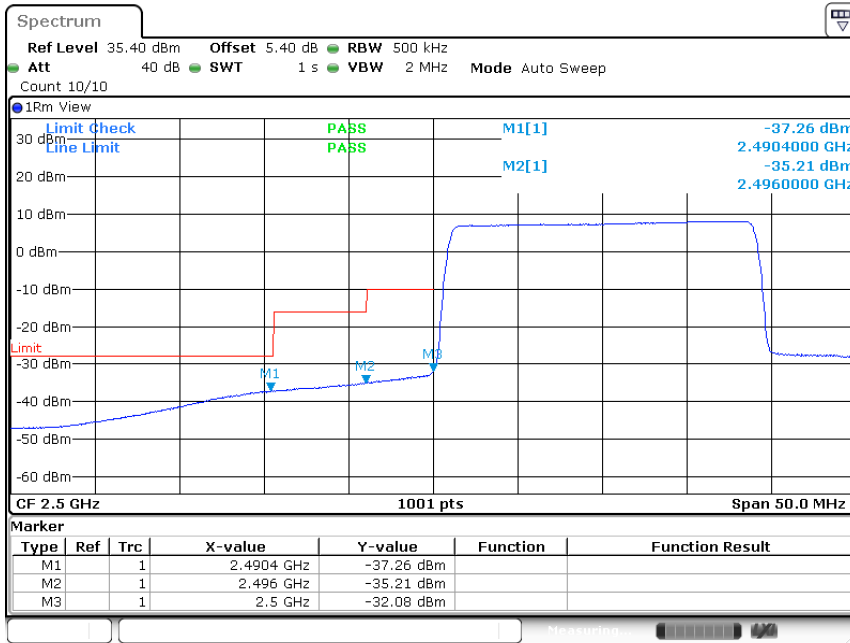


Date: 4.MAR.2021 20:43:36



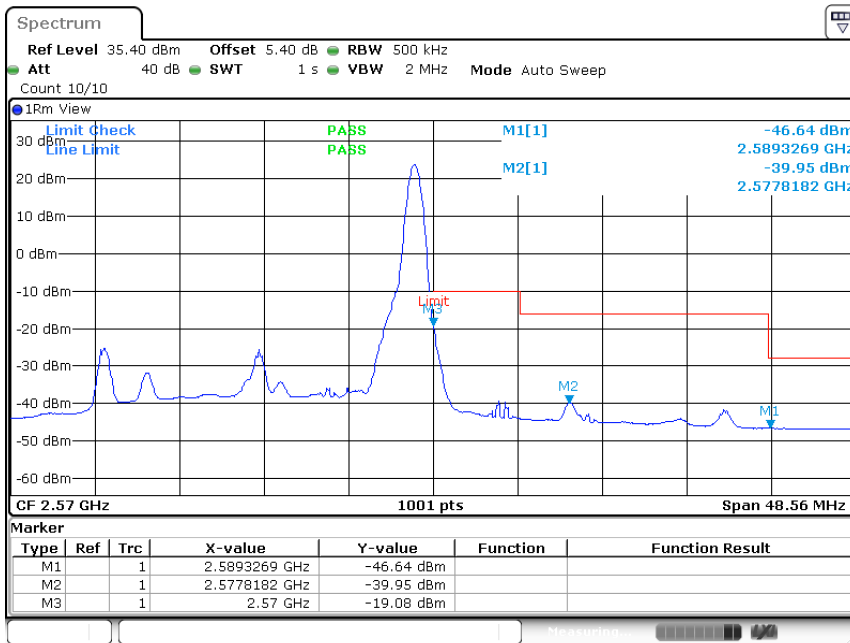
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Band7-20MHz-16QAM-20850-100RB#0



Date: 4.MAR.2021 20:45:10

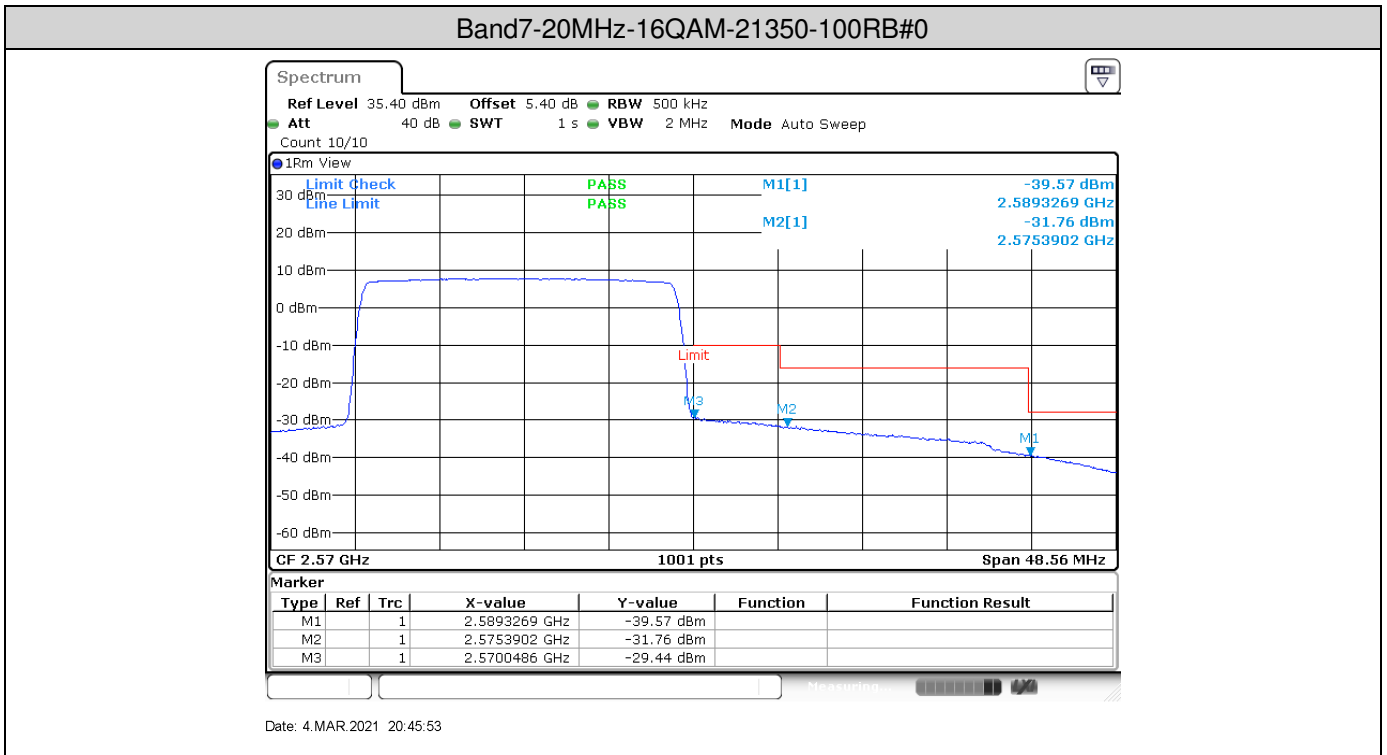
Band7-20MHz-16QAM-21350-1RB#99



Date: 4.MAR.2021 20:44:23



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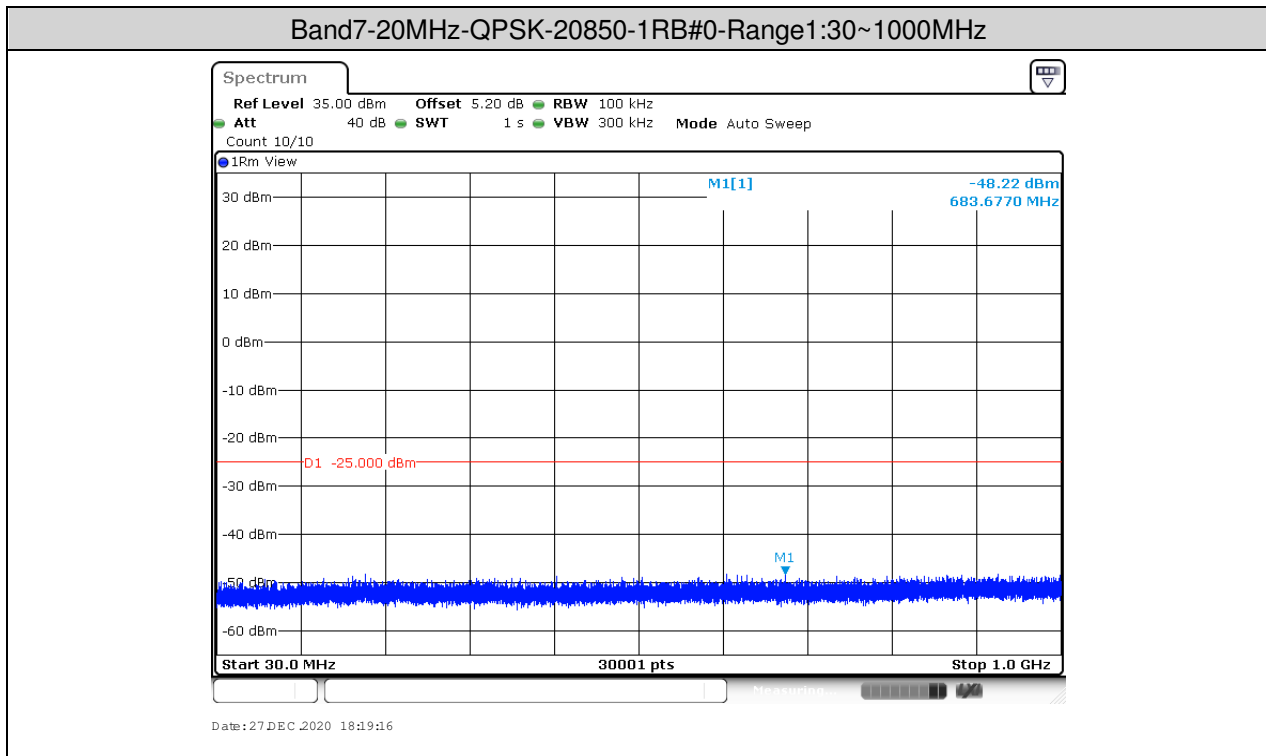
6. Spurious Emission at Antenna Terminal

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: 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.

Remark3: 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 had been displayed.

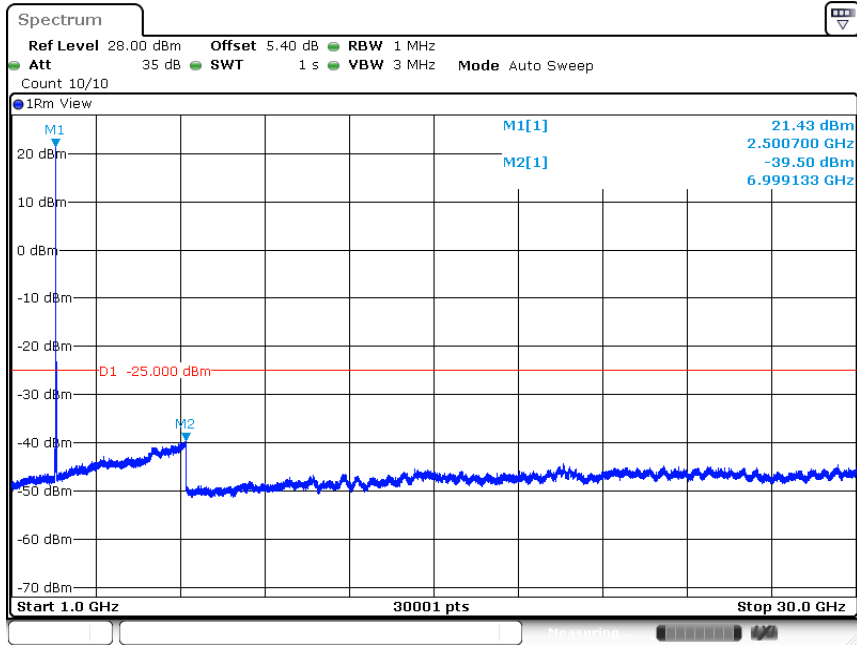
6.1. Test Plots



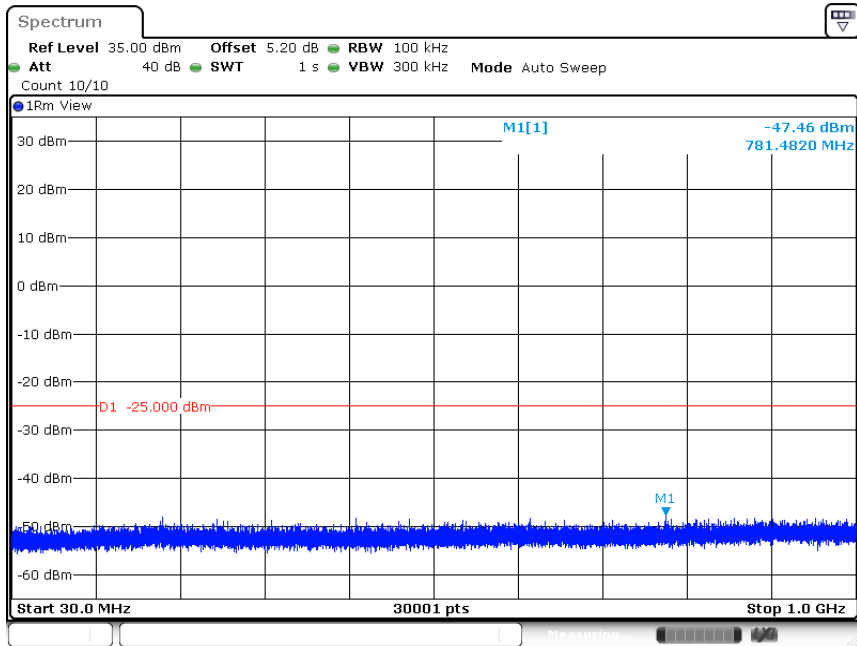
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Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~30000MHz



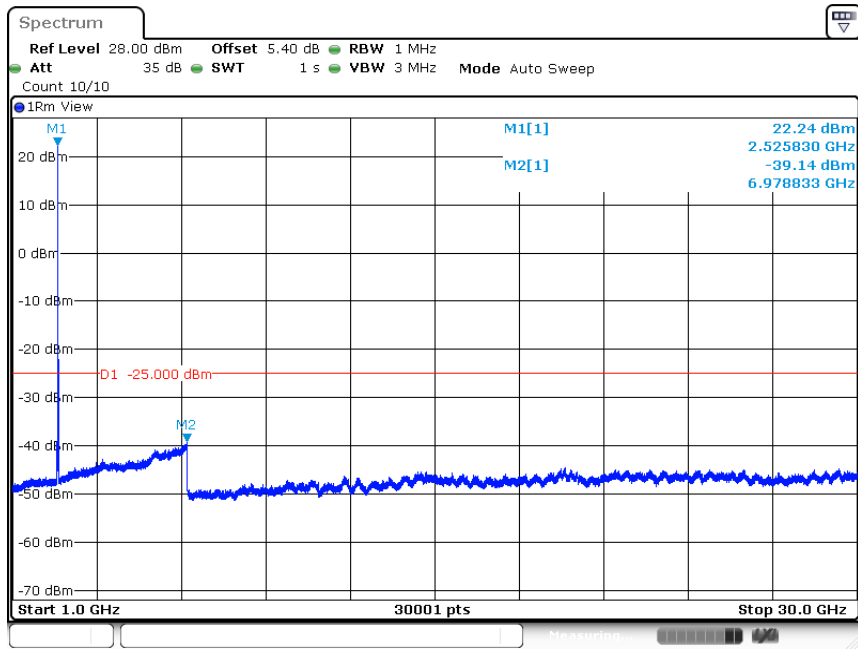
Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



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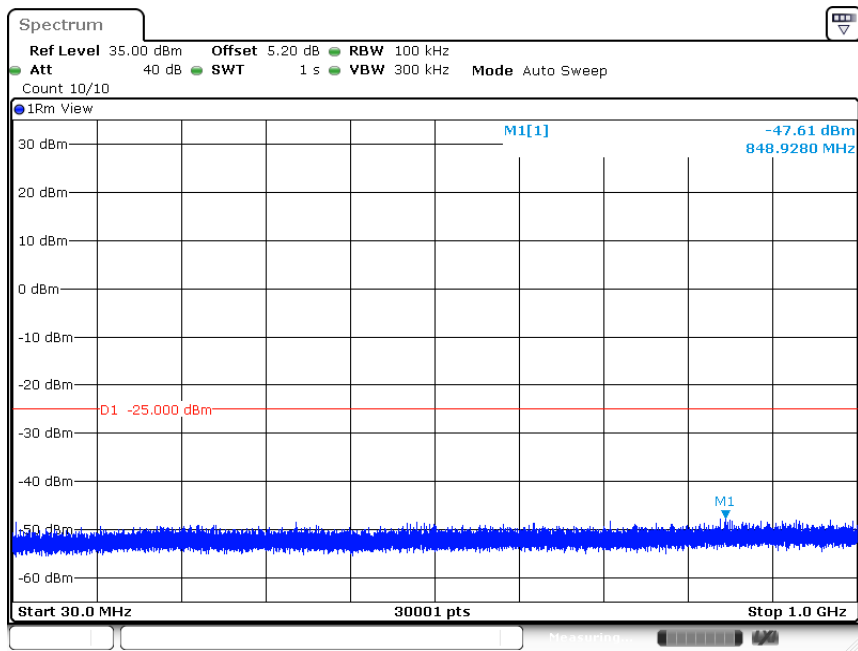
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Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~30000MHz



Date: 27 DEC 2020 18:21:04

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

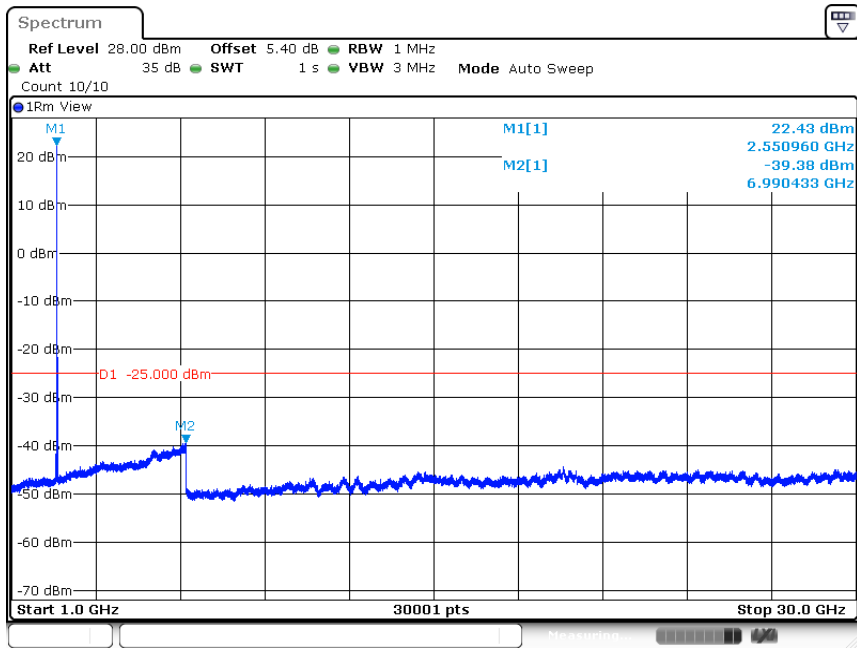


Date: 27 DEC 2020 18:22:13

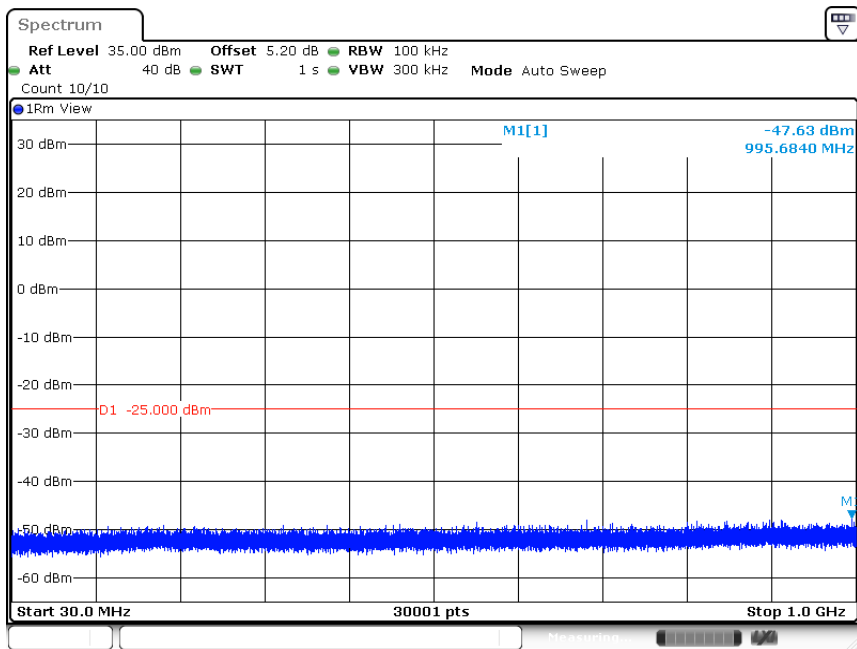


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Band7-20MHz-QPSK-21350-1RB#0-Range2:1000~30000MHz

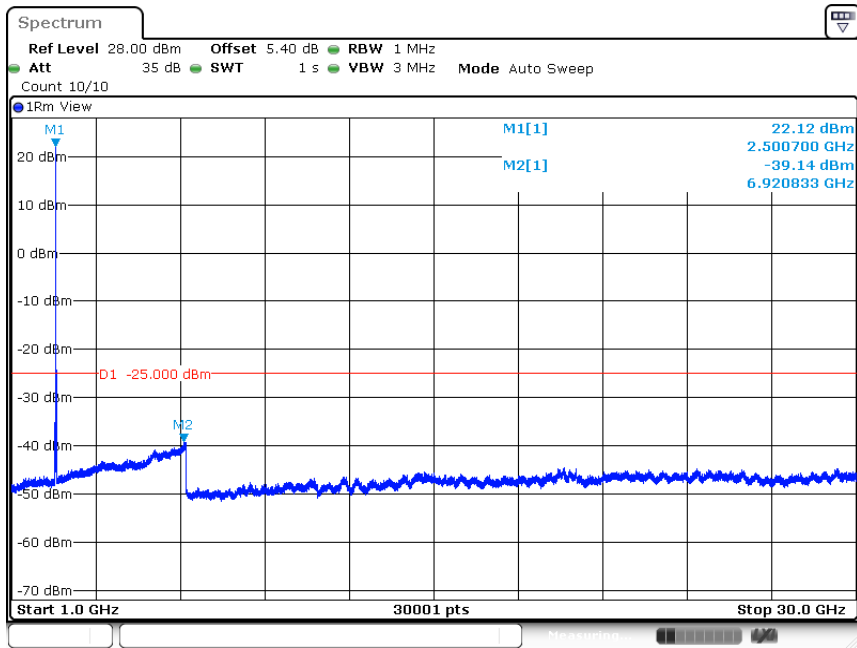


Band7-20MHz-16QAM-20850-1RB#0-Range1:30~1000MHz

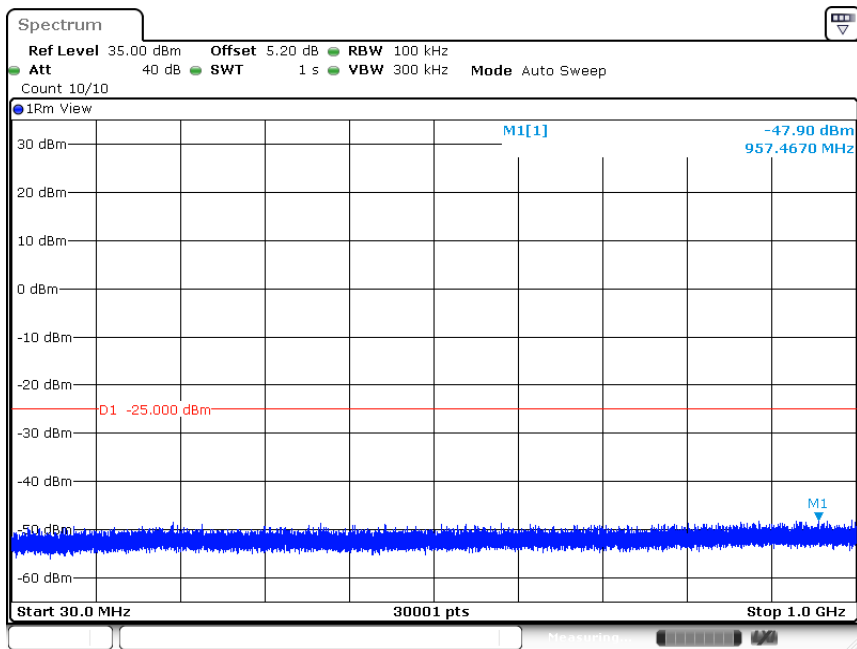


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Band7-20MHz-16QAM-20850-1RB#0-Range2:1000~30000MHz

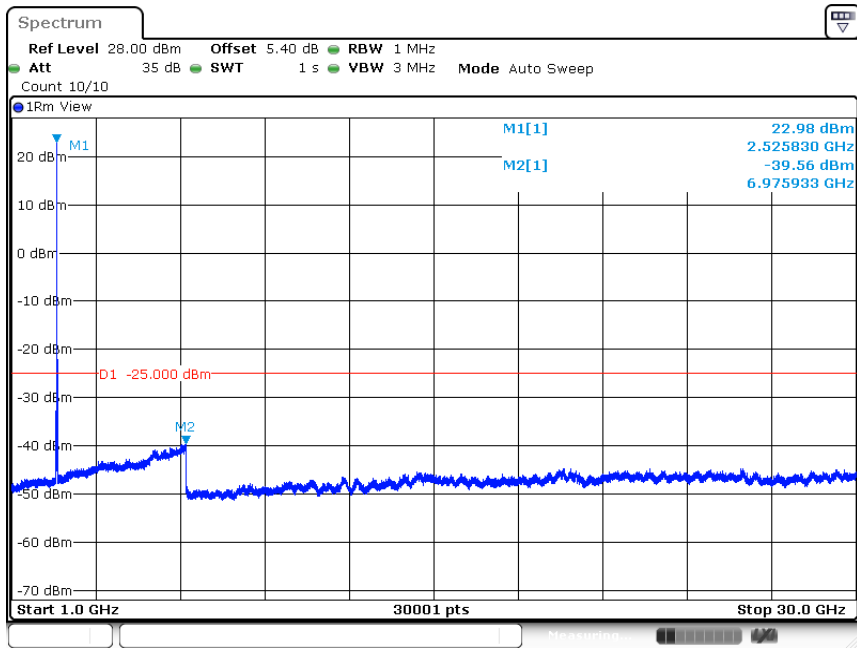


Band7-20MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



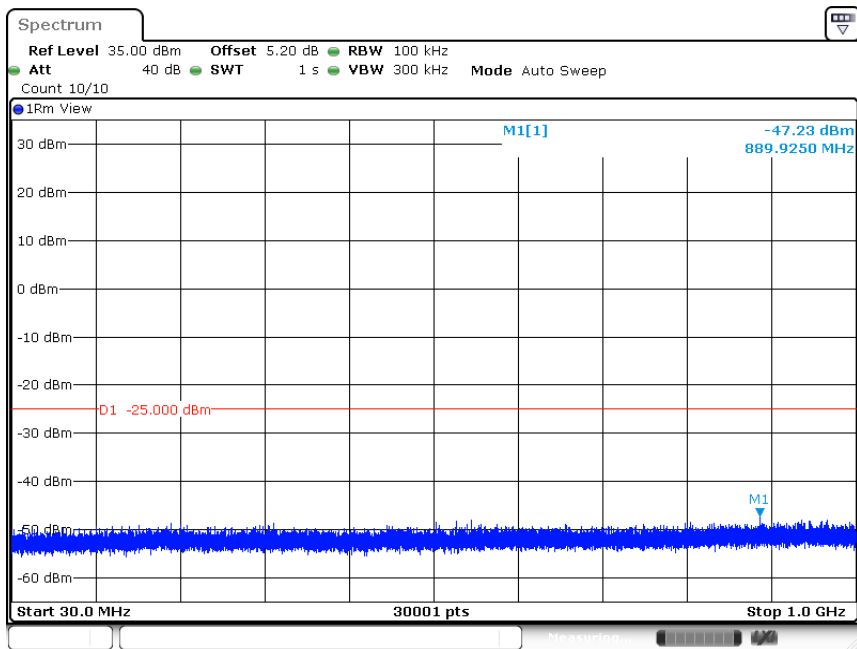
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Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 27 DEC 2020 18:21:49

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

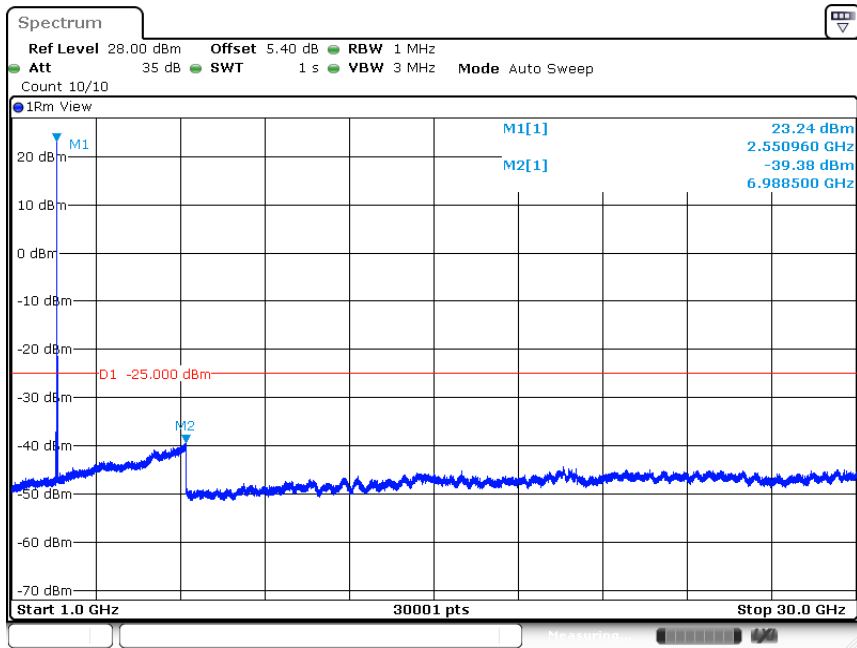


Date: 27 DEC 2020 18:22:57



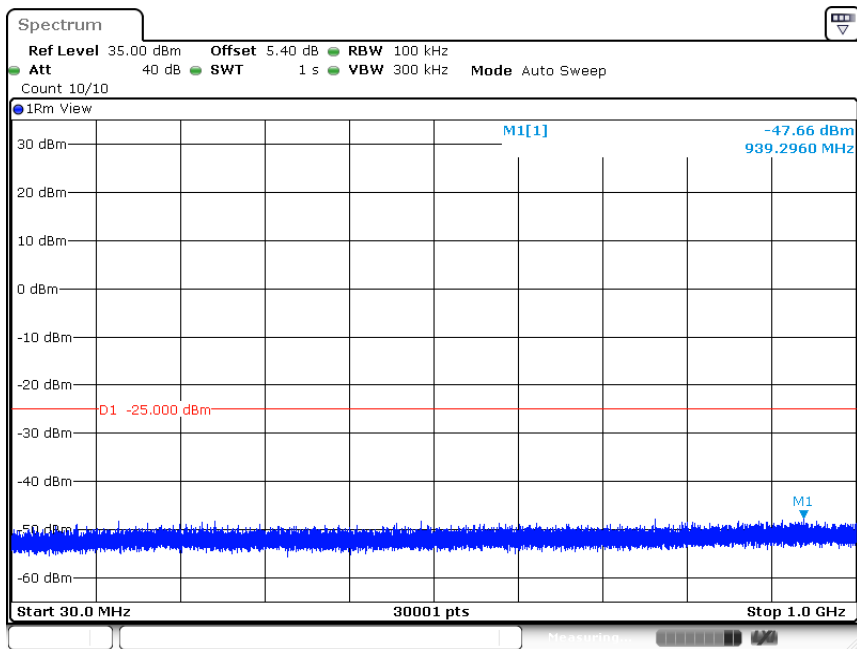
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Band7-20MHz-16QAM-21350-1RB#0-Range2:1000~30000MHz



Date: 27 DEC 2020 18:23:17

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

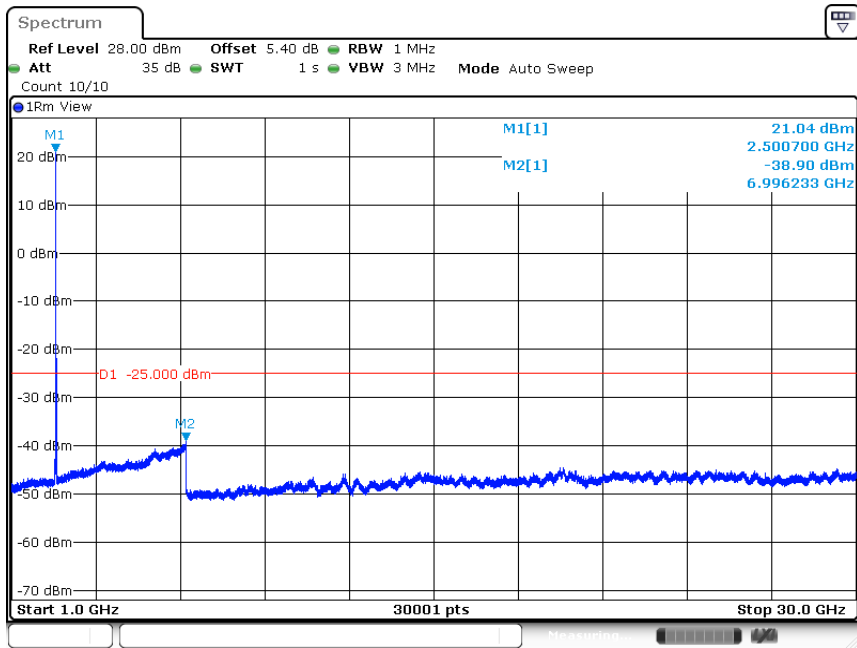


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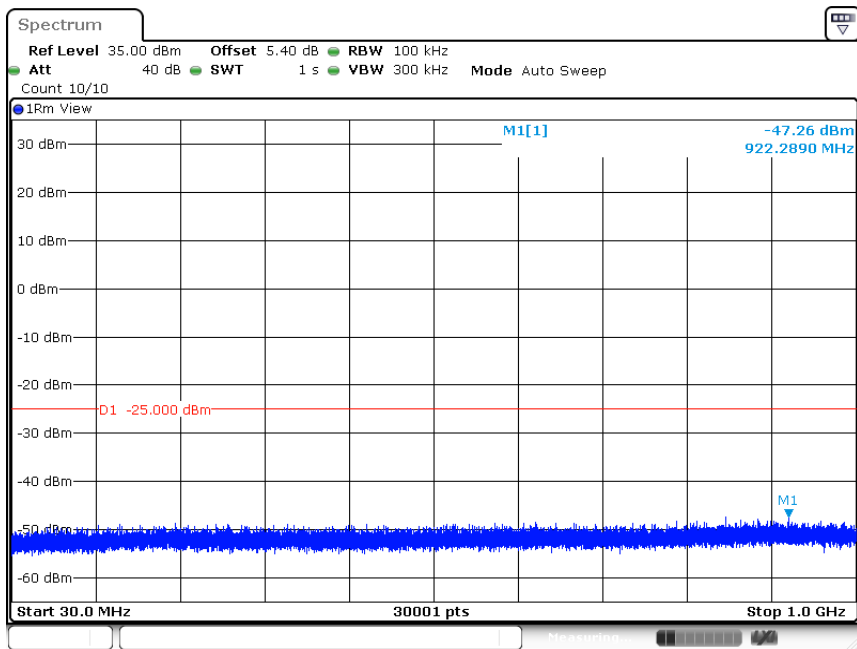


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Band7-20MHz-64QAM-20850-1RB#0-Range2:1000~30000MHz

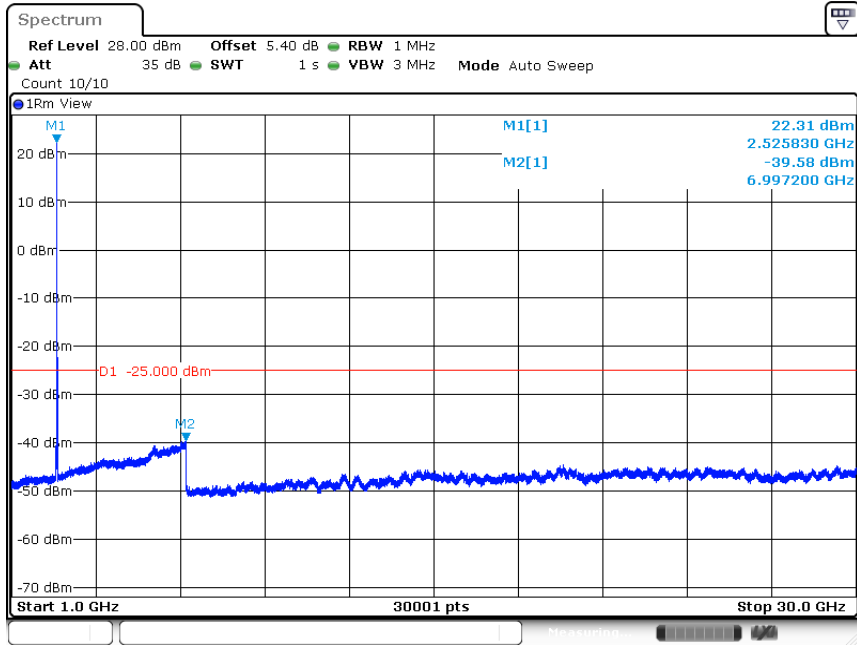


Band7-20MHz-64QAM-21100-1RB#0-Range1:30~1000MHz

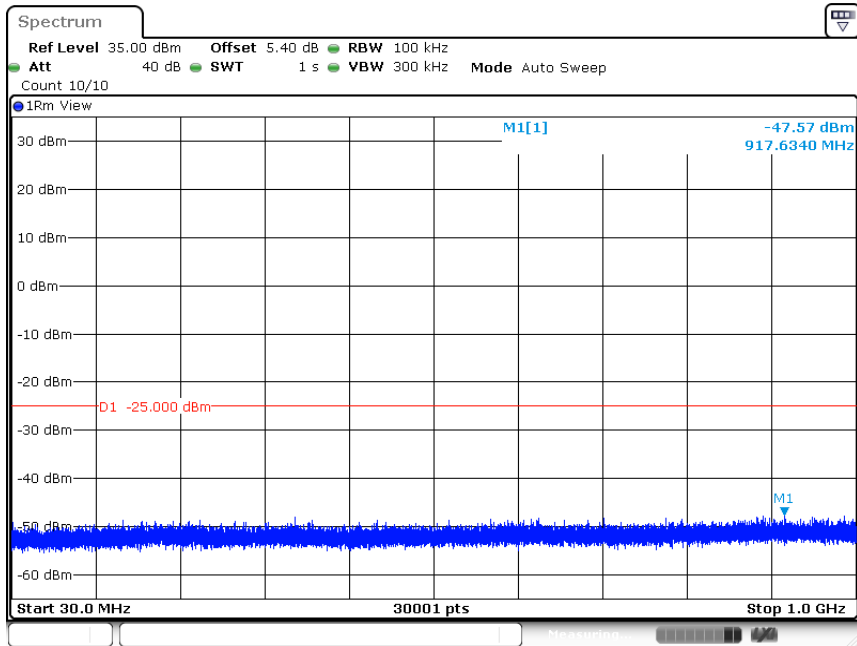


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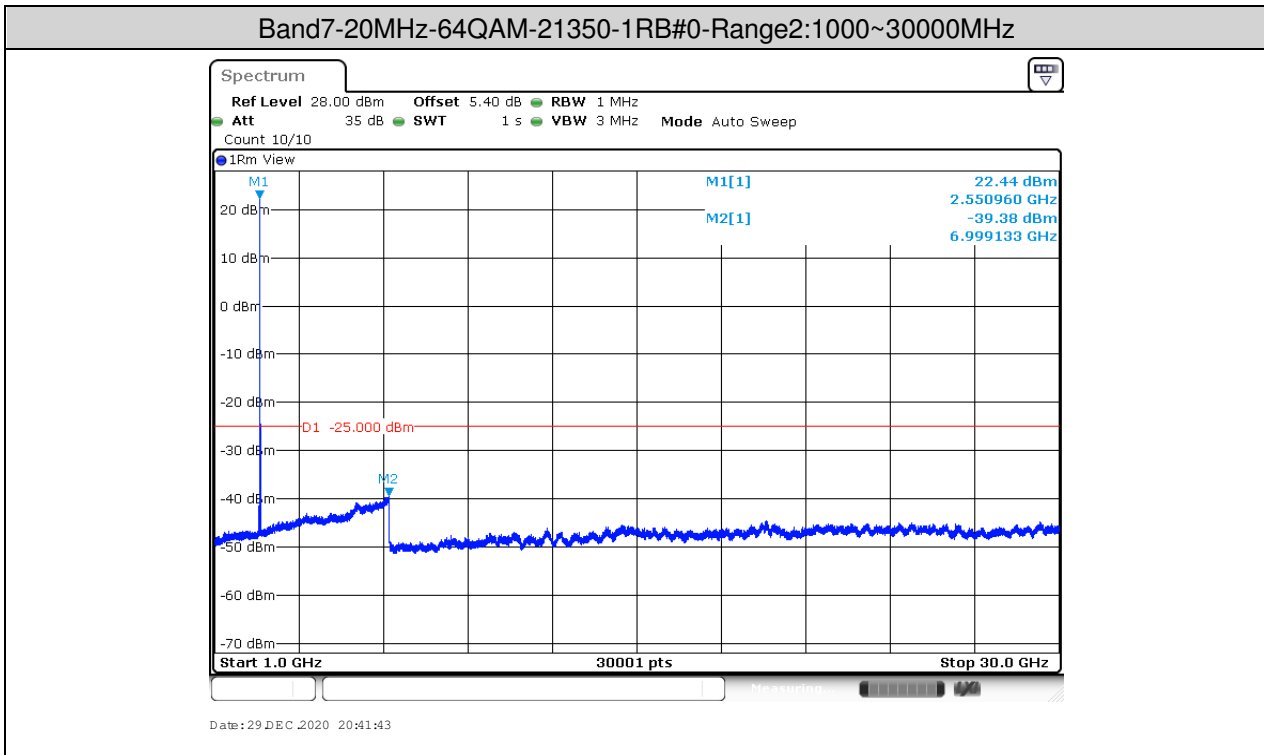
Band7-20MHz-64QAM-21100-1RB#0-Range2:1000~30000MHz



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



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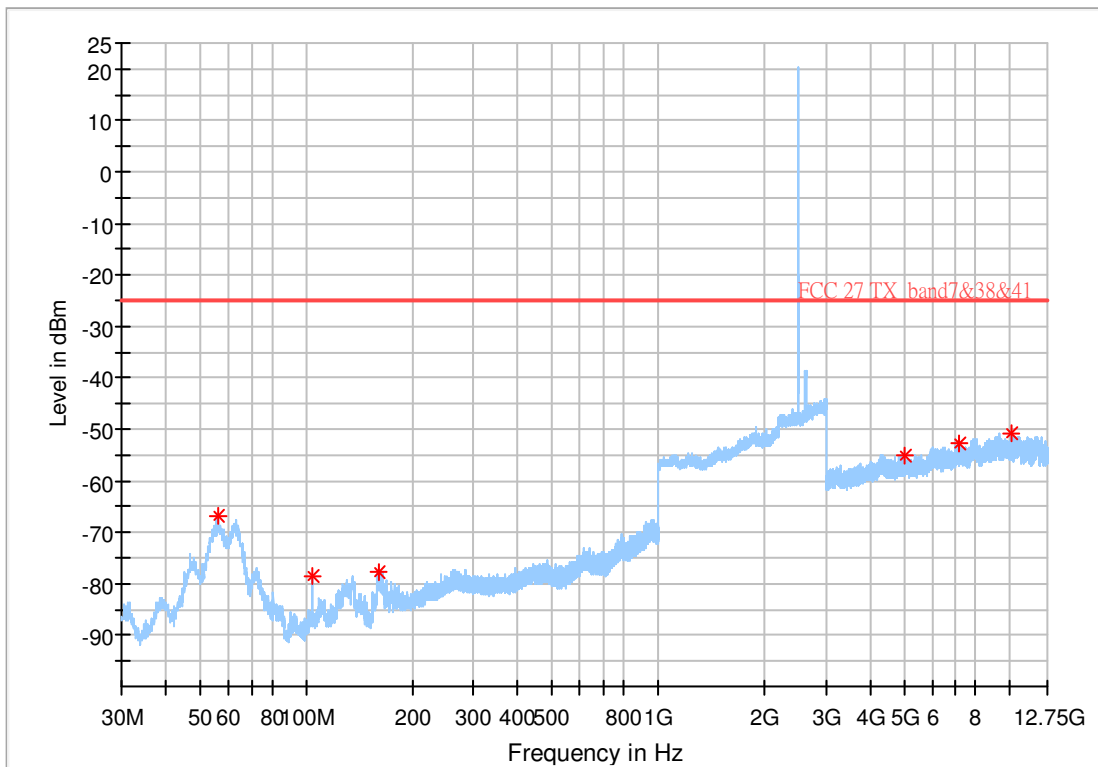
7. Field Strength of Spurious Radiation

7.1. Test Band = LTE Band 7(DOWN ANTENNA)

7.1.1. Test Mode =LTE/TM1 5MHz

7.1.1.1. Test Channel = LCH

Full Spectrum



Critical_Freqs

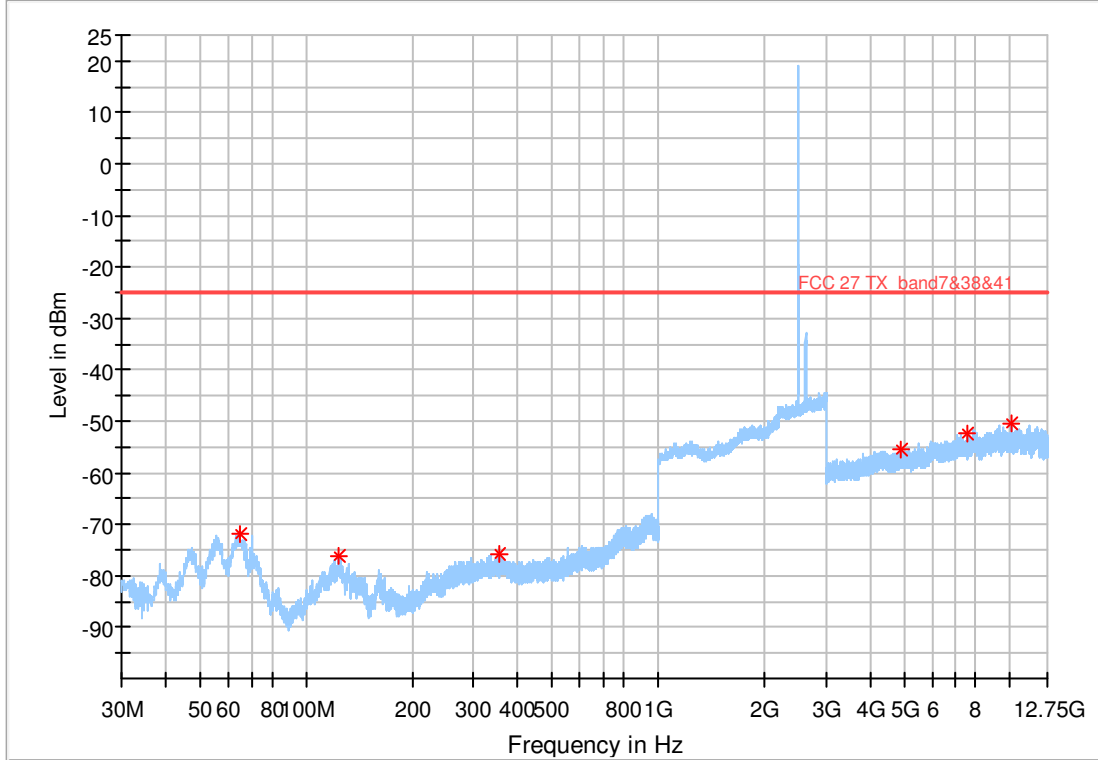
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
56.100000	-66.79	-25.00	41.79	---	---	200.0	H	302.0	-97.0
104.250000	-78.69	-25.00	53.69	---	---	200.0	H	283.0	-109.6
160.350000	-77.70	-25.00	52.70	---	---	200.0	H	125.0	-108.4
5000.050000	-55.21	-25.00	30.21	---	---	200.0	H	87.0	-101.5
7120.350000	-52.75	-25.00	27.75	---	---	200.0	H	236.0	-99.0
10001.150000	-50.60	-25.00	25.60	---	---	200.0	H	63.0	-97.0



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Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB)
65.150000	-71.95	-13.00	58.95	---	---	200.0	V	0.0	-99.7
124.450000	-76.20	-13.00	63.20	---	---	200.0	V	67.0	-103.5
353.100000	-75.65	-13.00	62.65	---	---	200.0	V	0.0	-101.4
4920.425000	-55.42	-13.00	42.42	---	---	200.0	V	165.0	-101.7
7495.725000	-52.48	-13.00	39.48	---	---	200.0	V	37.0	-99.0
10001.150000	-50.51	-13.00	37.51	---	---	200.0	V	61.0	-96.9

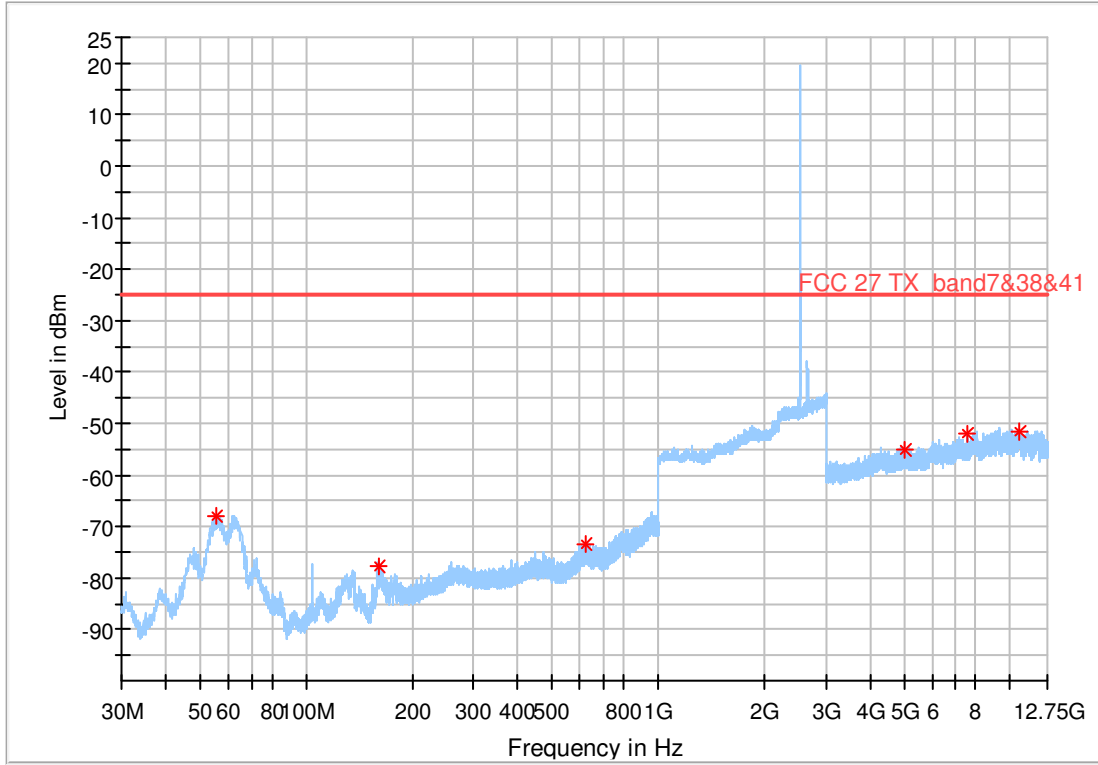


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7.1.1.2. Test Channel = MCH

Full Spectrum



Critical_Freqs

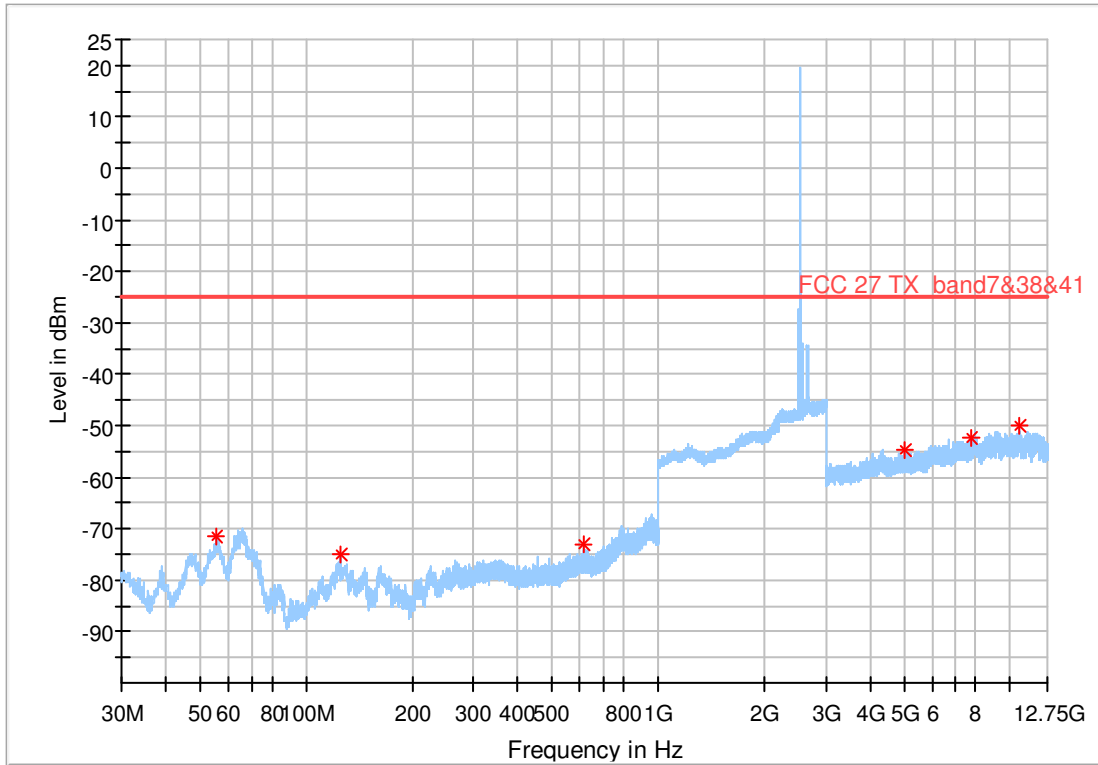
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
55.550000	-67.80	-25.00	42.80	---	---	200.0	H	163.0	-97.3
160.850000	-77.75	-25.00	52.75	---	---	200.0	H	100.0	-108.3
620.637500	-73.36	-25.00	48.36	---	---	200.0	H	239.0	-97.9
5022.800000	-55.21	-25.00	30.21	---	---	200.0	H	324.0	-101.5
7512.300000	-52.08	-25.00	27.08	---	---	200.0	H	267.0	-99.1
10648.550000	-51.42	-25.00	26.42	---	---	200.0	H	278.0	-96.4



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Full Spectrum



Critical_Freqs

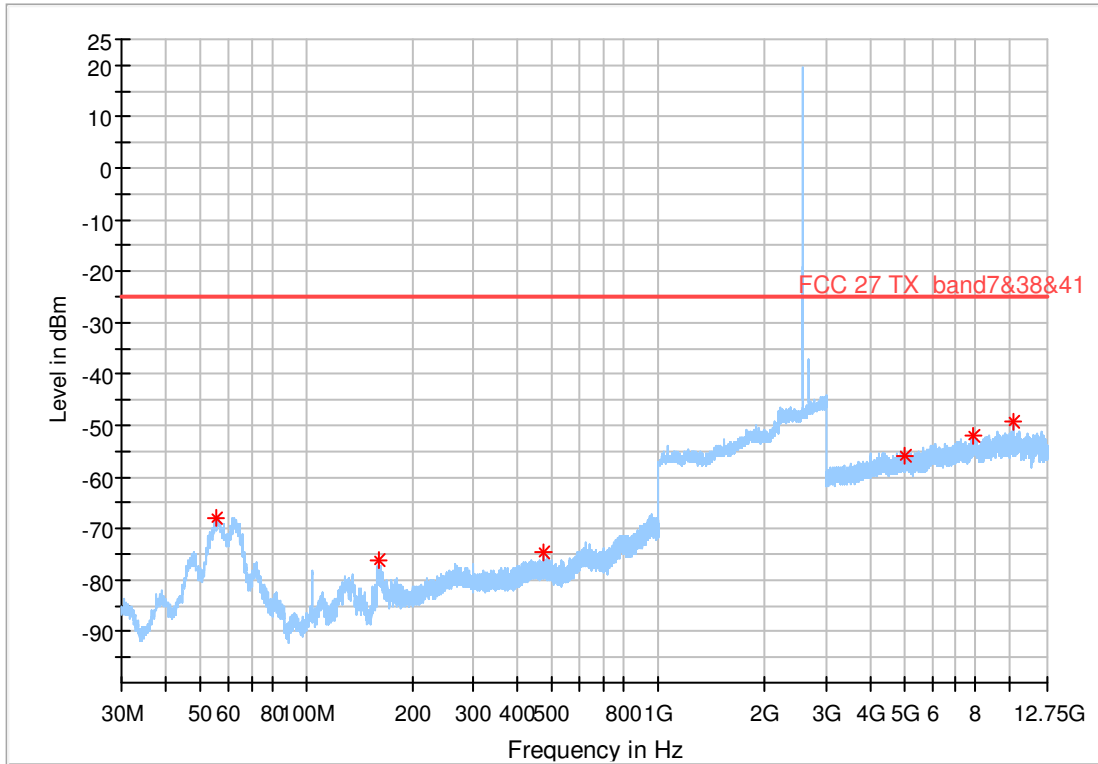
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
55.550000	-71.30	-25.00	46.30	---	---	200.0	V	140.0	-101.8
125.000000	-74.93	-25.00	49.93	---	---	200.0	V	359.0	-103.8
613.441667	-73.05	-25.00	48.05	---	---	200.0	V	193.0	-99.0
5042.625000	-54.69	-25.00	29.69	---	---	200.0	V	0.0	-101.6
7758.650000	-52.18	-25.00	27.18	---	---	200.0	V	52.0	-97.7
10618.325000	-50.17	-25.00	25.17	---	---	200.0	V	228.0	-96.3



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7.1.1.3. Test Channel = HCH

Full Spectrum



Critical_Freqs

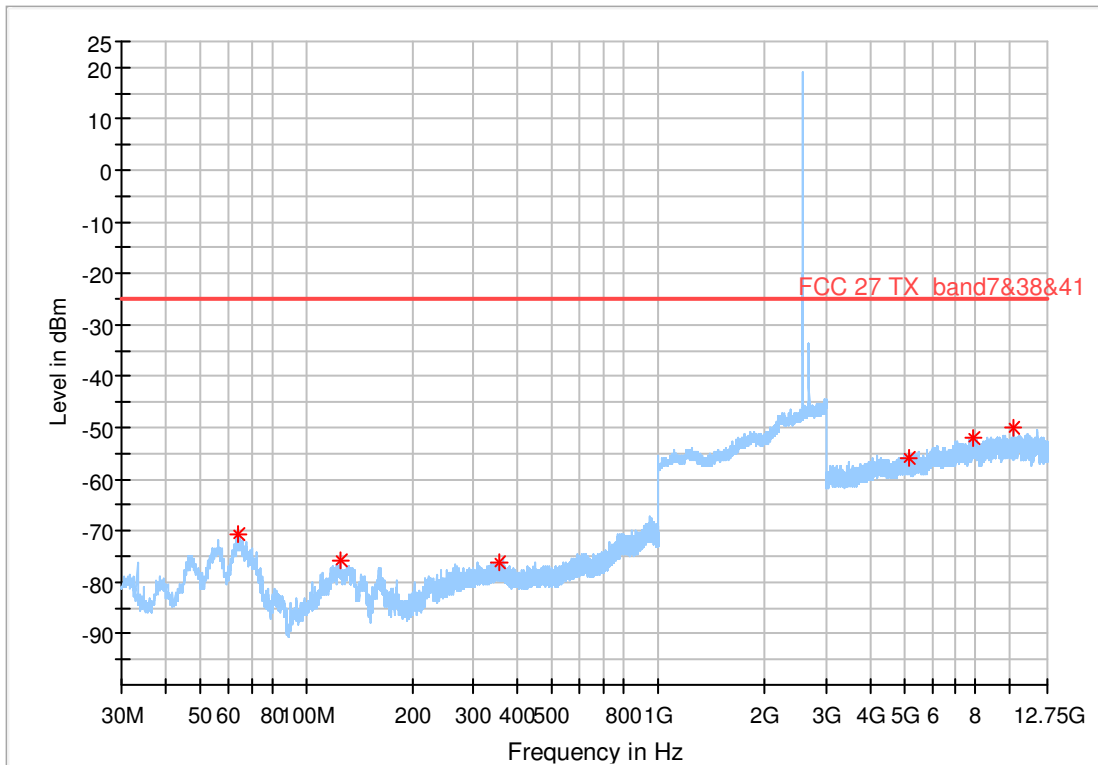
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
55.350000	-68.10	-25.00	43.10	---	---	200.0	H	273.0	-97.5
160.900000	-76.33	-25.00	51.33	---	---	200.0	H	106.0	-108.3
473.375000	-74.64	-25.00	49.64	---	---	200.0	H	59.0	-100.7
5027.350000	-55.77	-25.00	30.77	---	---	200.0	H	271.0	-101.5
7807.075000	-51.83	-25.00	26.83	---	---	200.0	H	85.0	-97.7
10261.150000	-49.19	-25.00	24.19	---	---	200.0	H	61.0	-96.5



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Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.850000	-70.79	-25.00	45.79	---	---	200.0	V	181.0	-100.0
124.950000	-75.64	-25.00	50.64	---	---	200.0	V	8.0	-103.7
354.300000	-76.36	-25.00	51.37	---	---	200.0	V	264.0	-101.4
5146.300000	-55.67	-25.00	30.67	---	---	200.0	V	168.0	-101.7
7809.350000	-51.78	-25.00	26.78	---	---	200.0	V	63.0	-97.8
10261.475000	-49.89	-25.00	24.89	---	---	200.0	V	63.0	-96.5

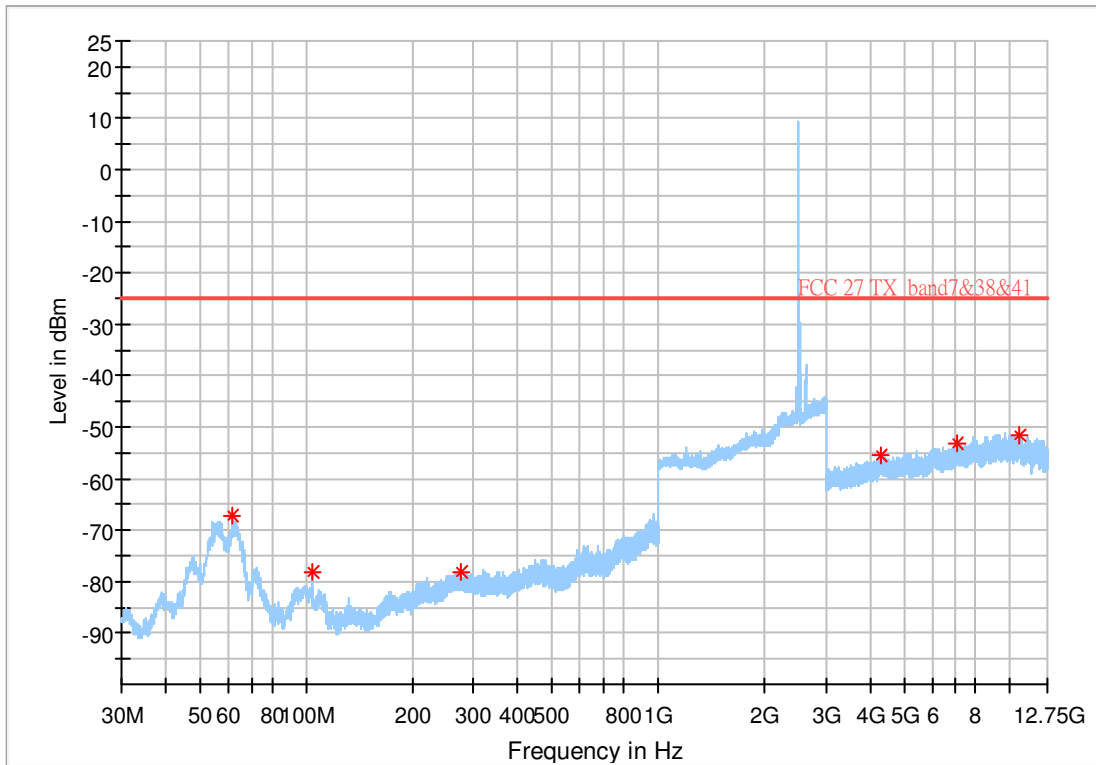


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7.1.2. Test Mode = LTE/TM1 20MHz

7.1.2.1. Test Channel = LCH

Full Spectrum



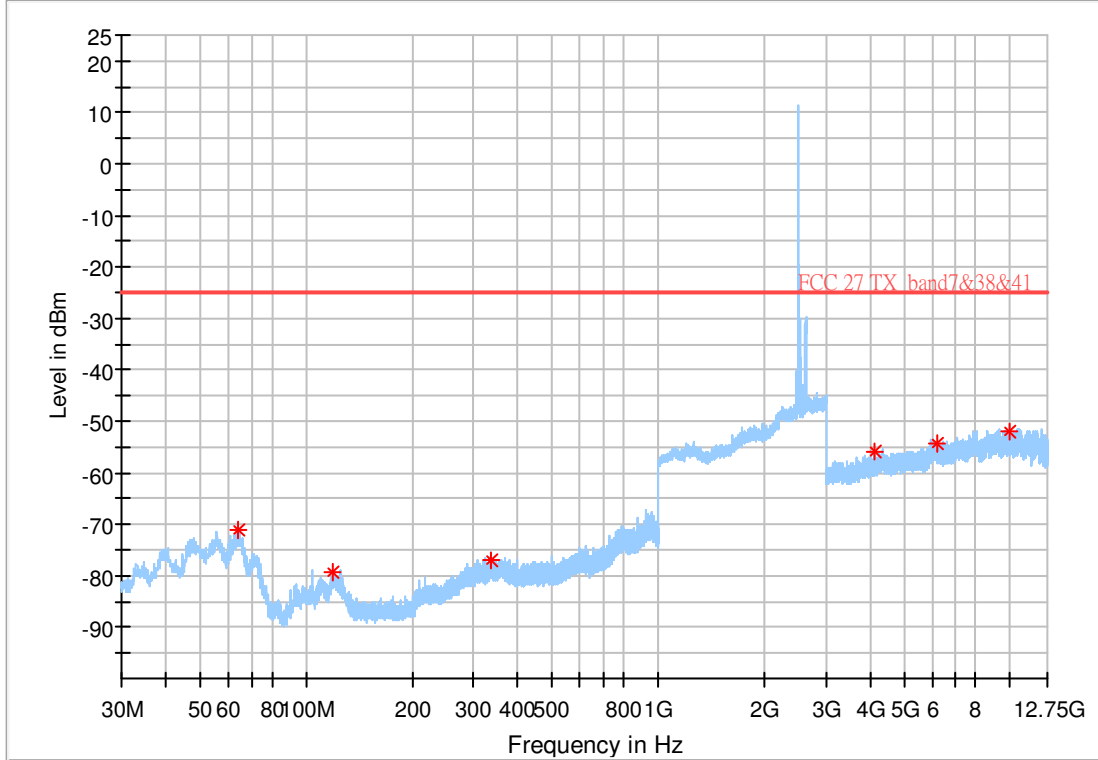
Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
62.100000	-67.27	-25.00	42.27	---	---	200.0	H	123.0	-95.0
104.300000	-78.15	-25.00	53.15	---	---	200.0	H	114.0	-109.6
274.750000	-78.29	-25.00	53.29	---	---	200.0	H	132.0	-102.5
4262.300000	-55.61	-25.00	30.61	---	---	200.0	H	38.0	-102.6
7022.850000	-53.20	-25.00	28.20	---	---	200.0	H	142.0	-99.0
10601.100000	-51.74	-25.00	26.74	---	---	200.0	H	27.0	-96.4



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Full Spectrum



Critical_Freqs

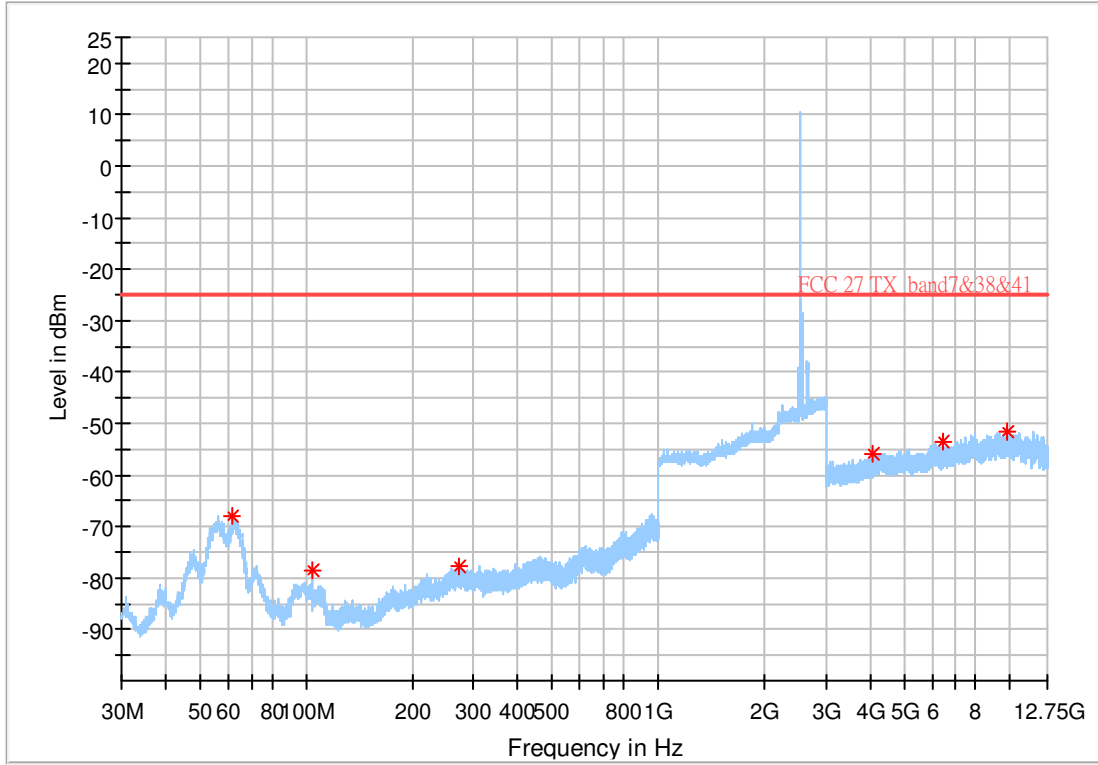
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.950000	-71.16	-25.00	46.16	---	---	200.0	V	149.0	-100.0
119.650000	-79.40	-25.00	54.40	---	---	200.0	V	58.0	-103.8
335.200000	-77.07	-25.00	52.07	---	---	200.0	V	58.0	-101.9
4139.775000	-55.83	-25.00	30.83	---	---	200.0	V	74.0	-103.0
6228.875000	-54.38	-25.00	29.38	---	---	200.0	V	142.0	-99.9
9879.600000	-51.98	-25.00	26.98	---	---	200.0	V	63.0	-96.9



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7.1.2.2. Test Channel = MCH

Full Spectrum



Critical_Freqs

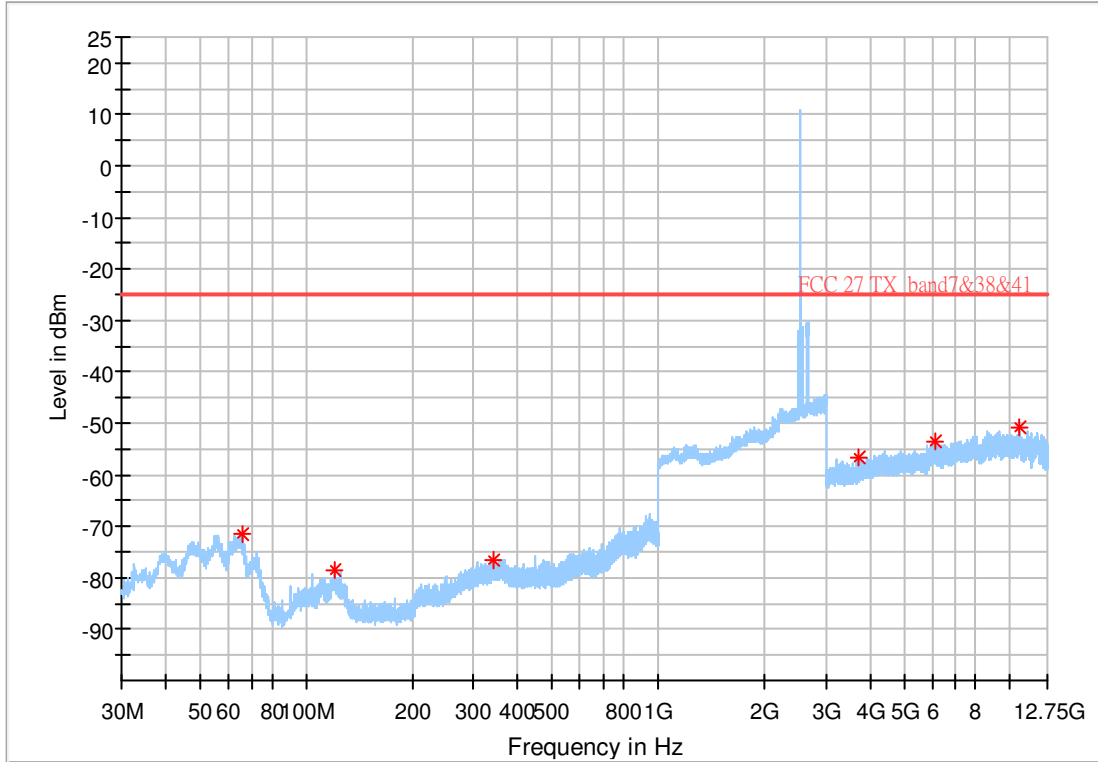
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
61.400000	-67.93	-25.00	42.93	---	---	200.0	H	1.0	-95.0
104.300000	-78.57	-25.00	53.57	---	---	200.0	H	167.0	-109.6
270.900000	-77.65	-25.00	52.65	---	---	200.0	H	149.0	-102.3
4091.350000	-55.73	-25.00	30.73	---	---	200.0	H	40.0	-103.1
6483.675000	-53.50	-25.00	28.50	---	---	200.0	H	6.0	-99.4
9767.150000	-51.73	-25.00	26.73	---	---	200.0	H	62.0	-97.0



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Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
65.700000	-71.56	-25.00	46.56	---	---	200.0	V	180.0	-99.8
120.400000	-78.67	-25.00	53.67	---	---	200.0	V	0.0	-103.7
341.700000	-76.73	-25.00	51.73	---	---	200.0	V	40.0	-101.8
3717.925000	-56.69	-25.00	31.69	---	---	200.0	V	62.0	-104.4
6091.075000	-53.33	-25.00	28.33	---	---	200.0	V	84.0	-99.7
10625.150000	-50.63	-25.00	25.63	---	---	200.0	V	51.0	-96.3

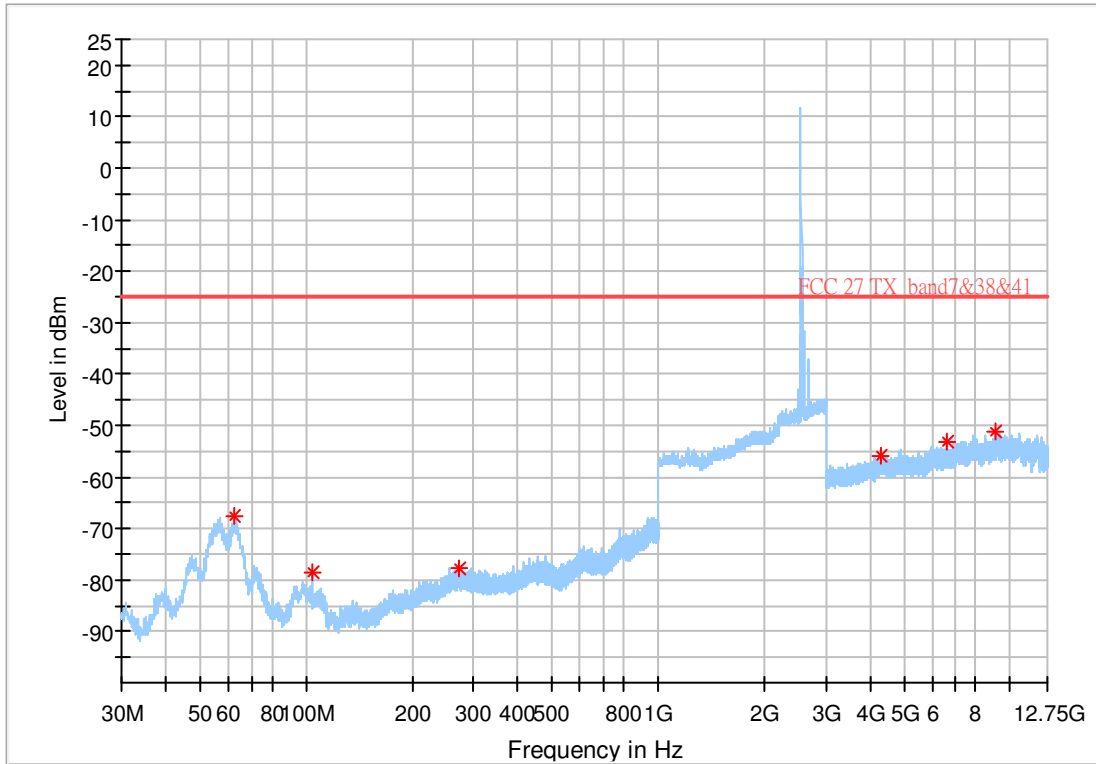


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7.1.2.3. Test Channel = HCH

Full Spectrum



Critical_Freqs

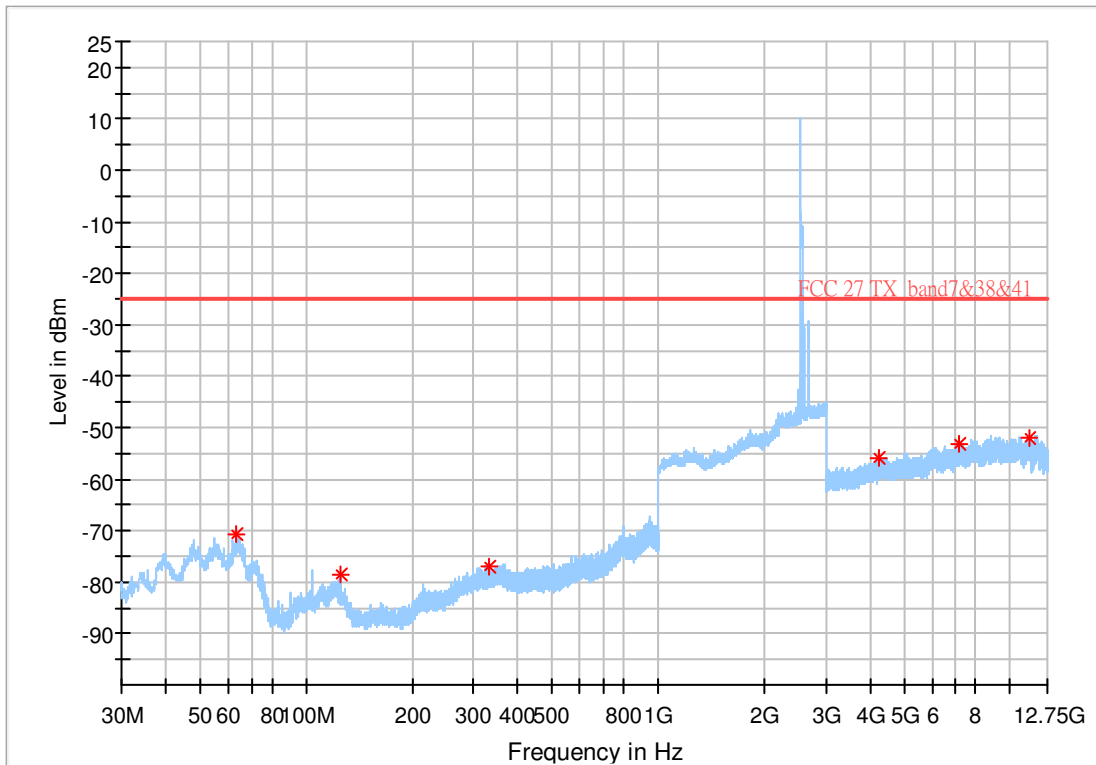
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
62.800000	-67.49	-25.00	42.49	---	---	200.0	H	180.0	-95.5
104.250000	-78.61	-25.00	53.61	---	---	200.0	H	124.0	-109.6
270.750000	-77.79	-25.00	52.79	---	---	200.0	H	106.0	-102.3
4266.200000	-56.02	-25.00	31.02	---	---	200.0	H	179.0	-102.6
6646.825000	-53.23	-25.00	28.23	---	---	200.0	H	0.0	-99.5
9113.575000	-51.20	-25.00	26.20	---	---	200.0	H	50.0	-96.8



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Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.650000	-70.80	-25.00	45.80	---	---	200.0	V	115.0	-100.1
125.000000	-78.49	-25.00	53.49	---	---	200.0	V	11.0	-103.8
332.900000	-76.95	-25.00	51.95	---	---	200.0	V	115.0	-101.9
4238.900000	-55.70	-25.00	30.70	---	---	200.0	V	97.0	-102.8
7158.700000	-53.31	-25.00	28.31	---	---	200.0	V	74.0	-99.2
11268.650000	-51.93	-25.00	26.93	---	---	200.0	V	131.0	-96.2



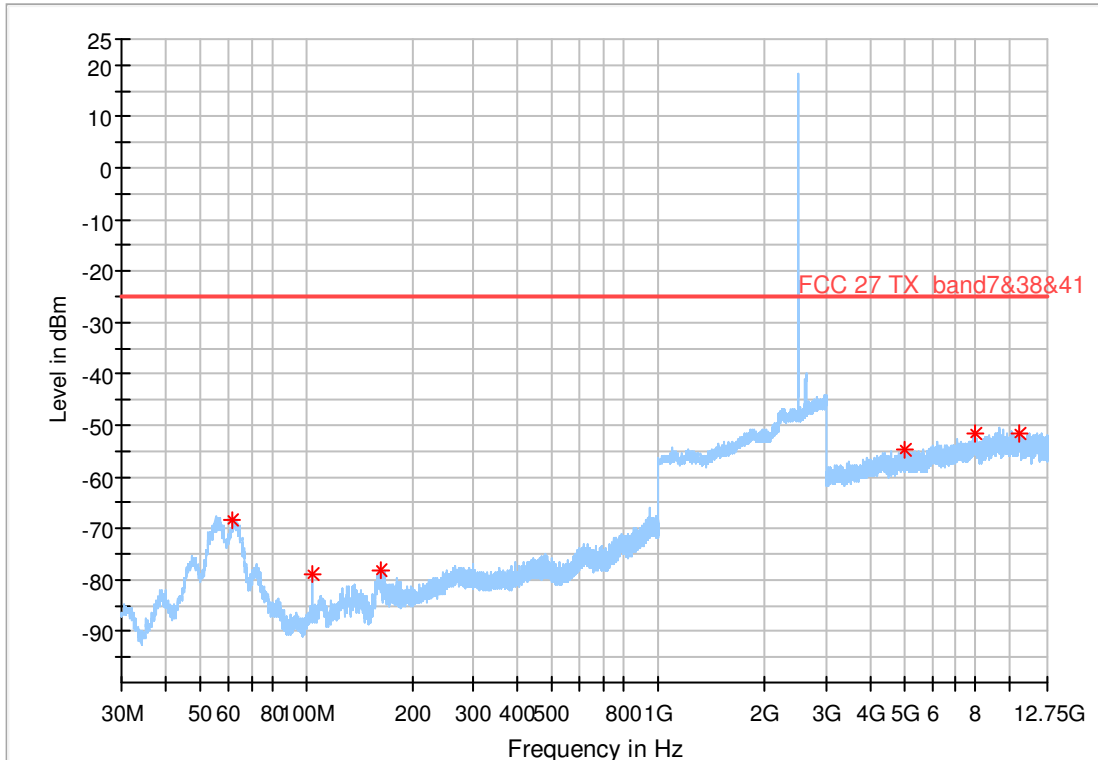
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7.2. Test Band = LTE Band 7(UP ANTENNA)

7.2.1. Test Mode =LTE/TM1 5MHz

7.2.1.1. Test Channel = LCH

Full Spectrum



Critical_Freqs

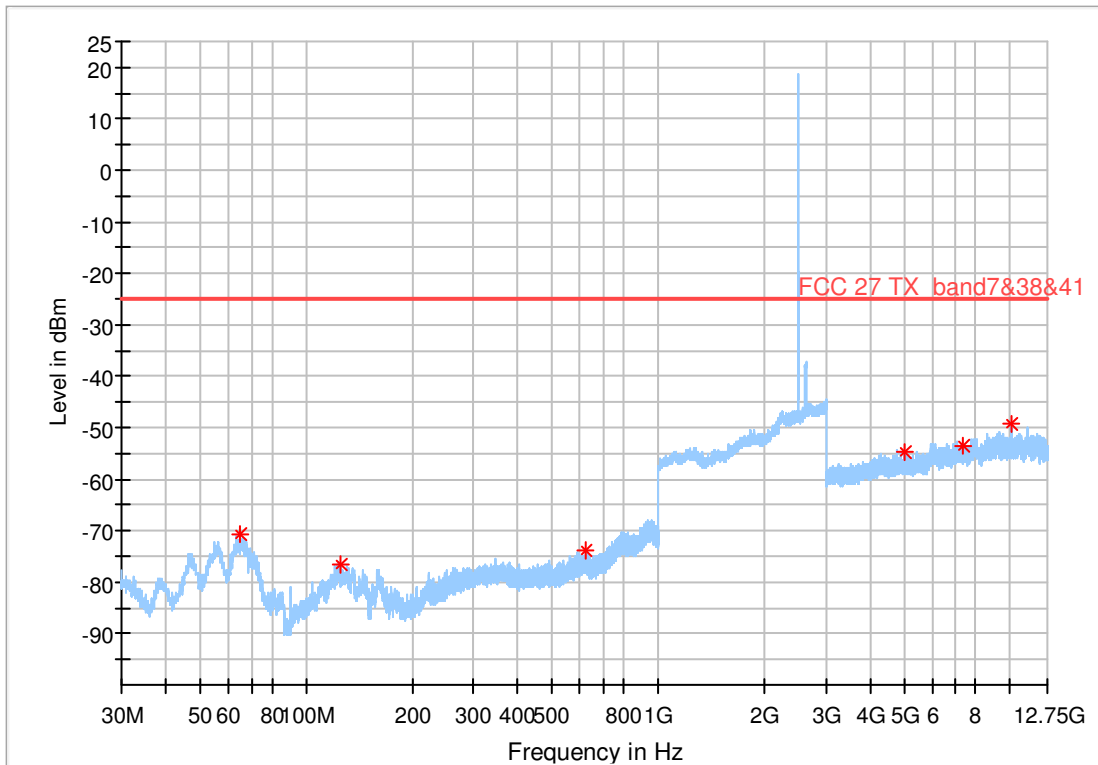
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
61.750000	-68.33	-25.00	43.33	---	---	200.0	H	0.0	-95.0
104.300000	-78.80	-25.00	53.80	---	---	200.0	H	265.0	-109.6
162.850000	-77.94	-25.00	52.94	---	---	200.0	H	91.0	-107.9
5000.700000	-54.56	-25.00	29.56	---	---	200.0	H	37.0	-101.5
7924.400000	-51.63	-25.00	26.63	---	---	200.0	H	187.0	-97.8
10585.500000	-51.61	-25.00	26.61	---	---	200.0	H	61.0	-96.5



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Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
64.900000	-70.87	-25.00	45.87	---	---	200.0	V	152.0	-99.8
124.950000	-76.38	-25.00	51.38	---	---	200.0	V	42.0	-103.7
621.829167	-73.87	-25.00	48.87	---	---	200.0	V	138.0	-99.0
5003.300000	-54.71	-25.00	29.71	---	---	200.0	V	280.0	-101.6
7373.525000	-53.59	-25.00	28.59	---	---	200.0	V	144.0	-99.5
10001.150000	-49.05	-25.00	24.05	---	---	200.0	V	63.0	-96.9

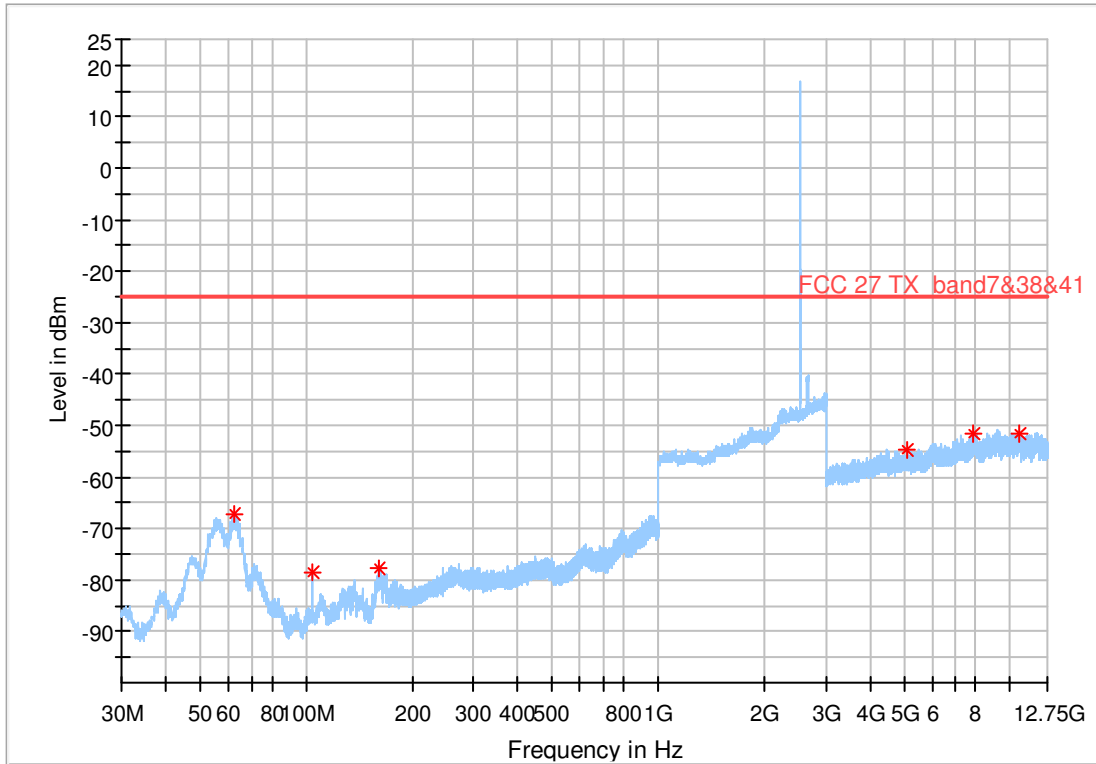


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7.2.1.2. Test Channel = MCH

Full Spectrum



Critical_Freqs

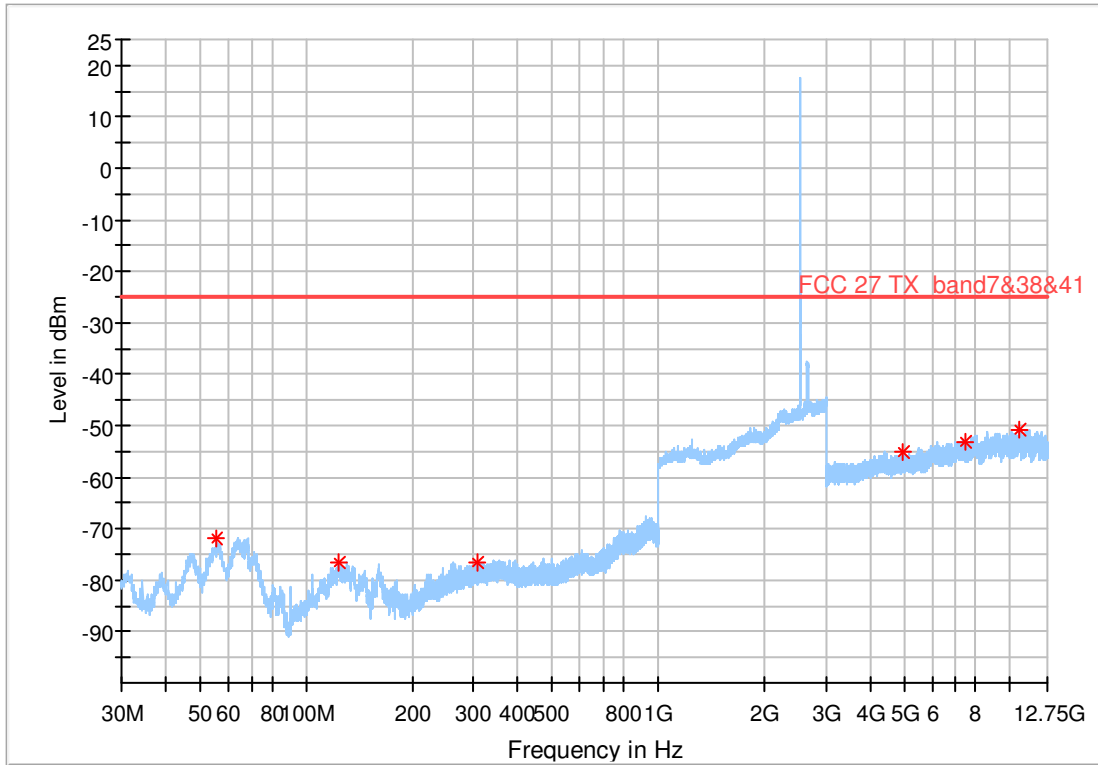
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Poi	Azimuth (deg)	Corr. (dB)
62.450000	-67.33	-25.00	42.33	---	---	200.0	H	120.0	-95.1
104.300000	-78.46	-25.00	53.46	---	---	200.0	H	230.0	-109.6
161.850000	-77.82	-25.00	52.82	---	---	200.0	H	102.0	-108.1
5091.700000	-54.52	-25.00	29.52	---	---	200.0	H	13.0	-101.6
7829.825000	-51.56	-25.00	26.56	---	---	200.0	H	48.0	-97.8
10583.550000	-51.46	-25.00	26.46	---	---	200.0	H	245.0	-96.5



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Full Spectrum



Critical_Freqs

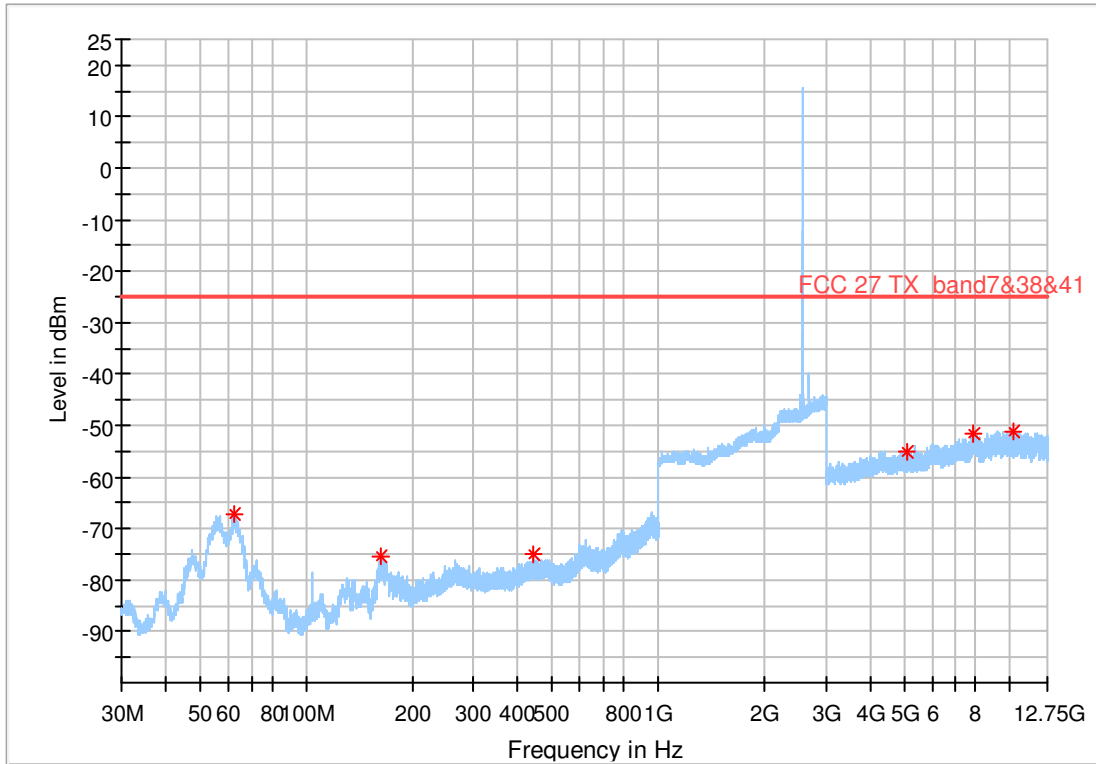
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
55.700000	-71.76	-25.00	46.76	---	---	200.0	V	9.0	-101.7
123.600000	-76.58	-25.00	51.58	---	---	200.0	V	339.0	-103.1
308.150000	-76.76	-25.00	51.76	---	---	200.0	V	164.0	-102.2
4935.050000	-55.18	-25.00	30.18	---	---	200.0	V	269.0	-101.7
7477.850000	-53.11	-25.00	28.11	---	---	200.0	V	154.0	-99.0
10586.150000	-50.93	-25.00	25.93	---	---	200.0	V	223.0	-96.4



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7.2.1.3. Test Channel = HCH

Full Spectrum



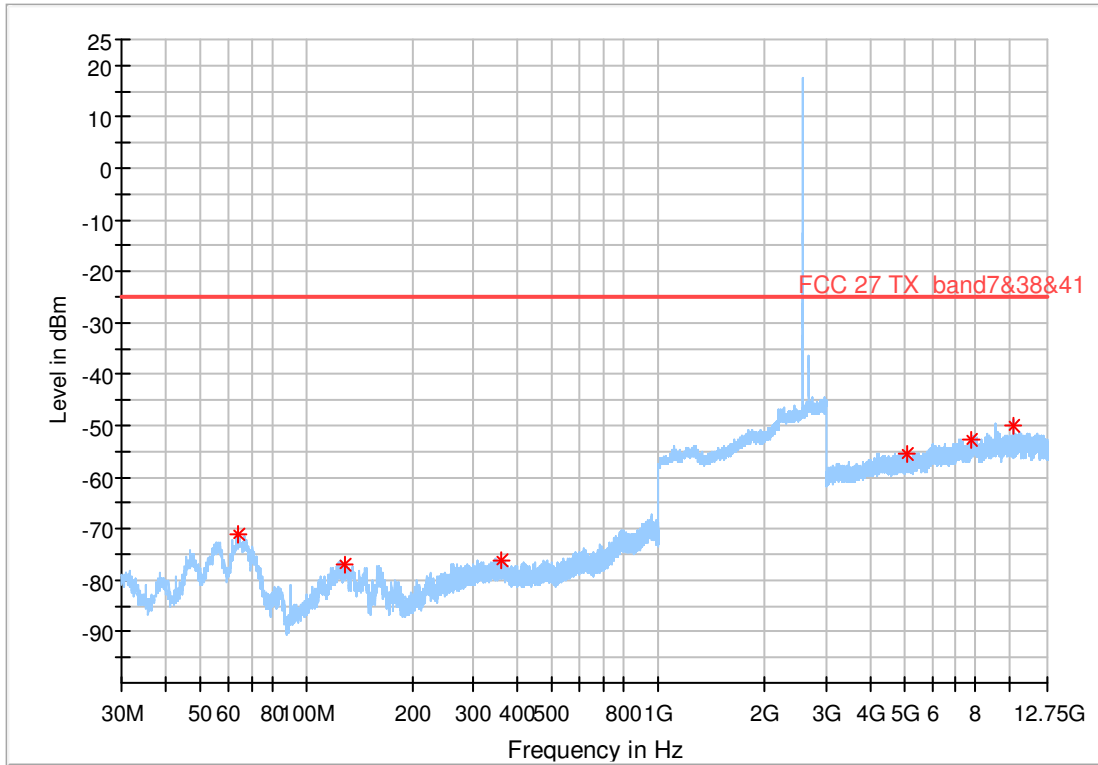
Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
62.250000	-67.35	-25.00	42.35	---	---	200.0	H	38.0	-95.0
163.500000	-75.40	-25.00	50.40	---	---	200.0	H	110.0	-107.8
444.000000	-75.14	-25.00	50.14	---	---	200.0	H	110.0	-100.7
5059.200000	-54.89	-25.00	29.89	---	---	200.0	H	188.0	-101.6
7870.125000	-51.65	-25.00	26.65	---	---	200.0	H	37.0	-97.8
10261.150000	-50.98	-25.00	25.98	---	---	200.0	H	61.0	-96.5



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Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
64.300000	-70.97	-25.00	45.97	---	---	200.0	V	166.0	-99.9
128.600000	-76.89	-25.00	51.89	---	---	200.0	V	20.0	-105.4
356.450000	-76.35	-25.00	51.35	---	---	200.0	V	230.0	-101.3
5100.475000	-55.47	-25.00	30.47	---	---	200.0	V	290.0	-101.7
7762.550000	-52.57	-25.00	27.57	---	---	200.0	V	268.0	-97.7
10261.150000	-49.88	-25.00	24.88	---	---	200.0	V	73.0	-96.5

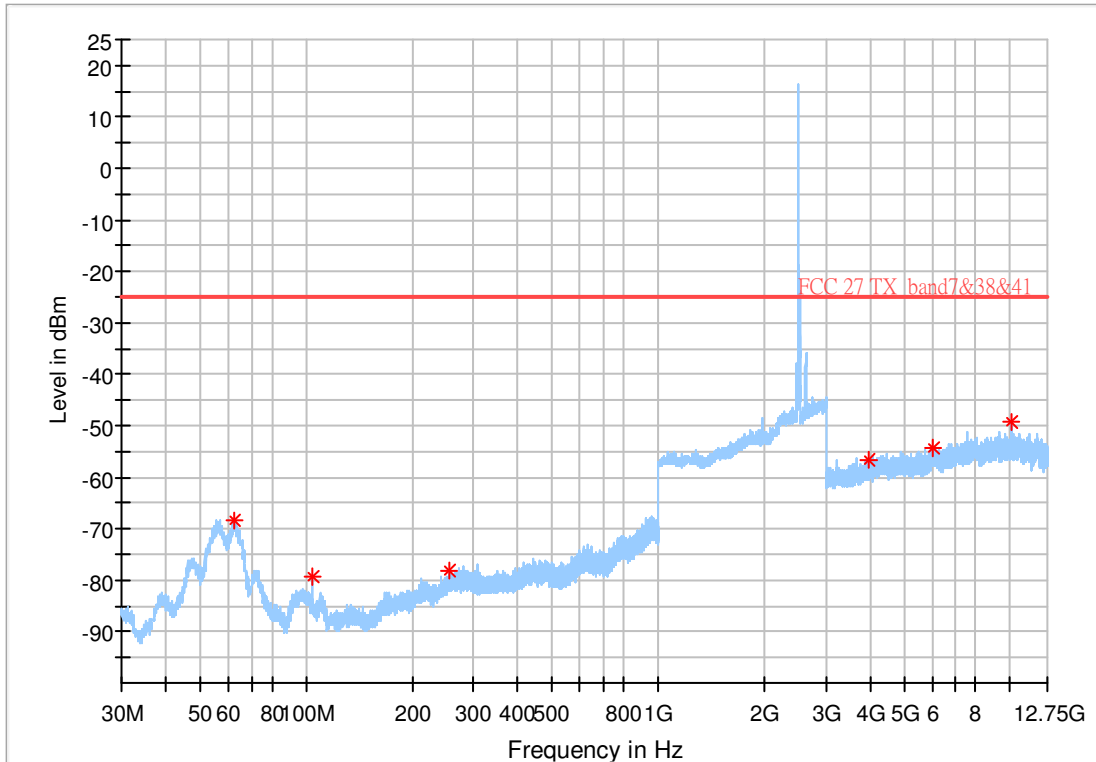


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7.2.2. Test Mode = LTE/TM1 20MHz

7.2.2.1. Test Channel = LCH

Full Spectrum



Critical_Freqs

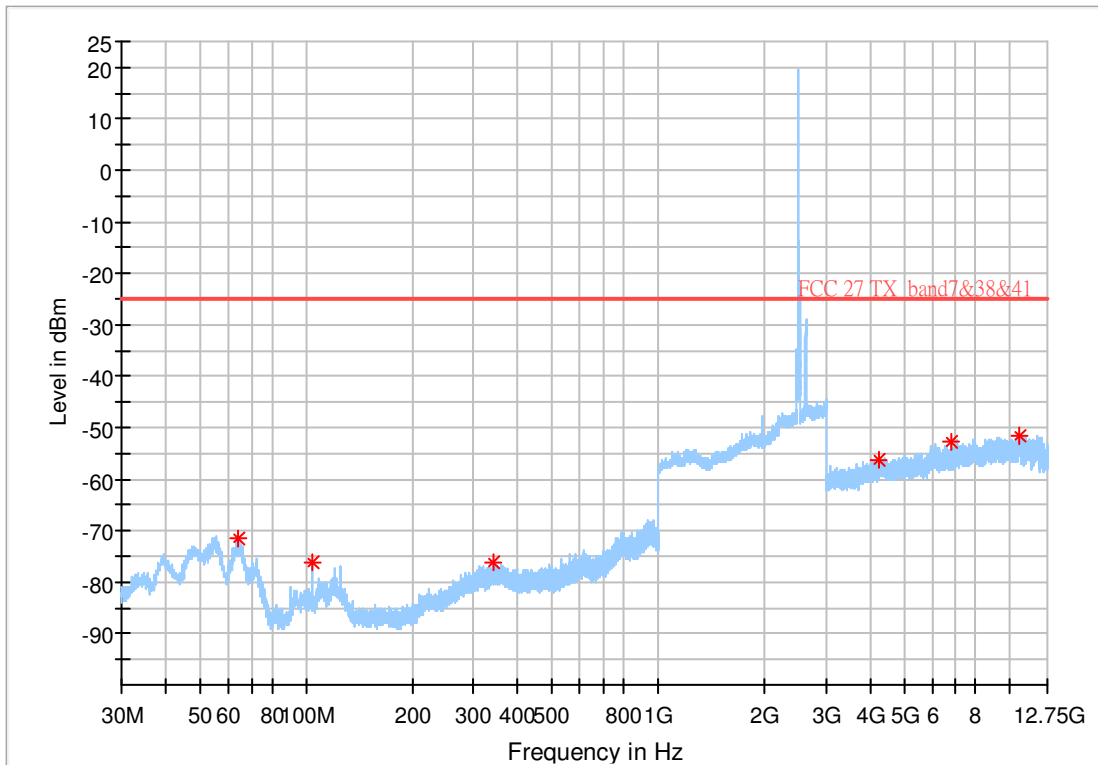
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
62.500000	-68.40	-25.00	43.40	---	---	200.0	H	122.0	-95.1
104.200000	-79.27	-25.00	54.27	---	---	200.0	H	180.0	-109.6
253.600000	-78.13	-25.00	53.13	---	---	200.0	H	0.0	-103.3
3945.750000	-56.79	-25.00	31.79	---	---	200.0	H	62.0	-103.6
6040.375000	-54.40	-25.00	29.40	---	---	200.0	H	73.0	-99.8
10004.400000	-49.22	-25.00	24.22	---	---	200.0	H	143.0	-97.0



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Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.900000	-71.50	-25.00	46.50	---	---	200.0	V	0.0	-100.0
104.300000	-76.29	-25.00	51.29	---	---	200.0	V	159.0	-106.8
340.100000	-76.32	-25.00	51.32	---	---	200.0	V	169.0	-101.8
4205.750000	-56.43	-25.00	31.43	---	---	200.0	V	0.0	-102.9
6822.650000	-52.80	-25.00	27.80	---	---	200.0	V	13.0	-99.2
10640.425000	-51.68	-25.00	26.68	---	---	200.0	V	47.0	-96.3

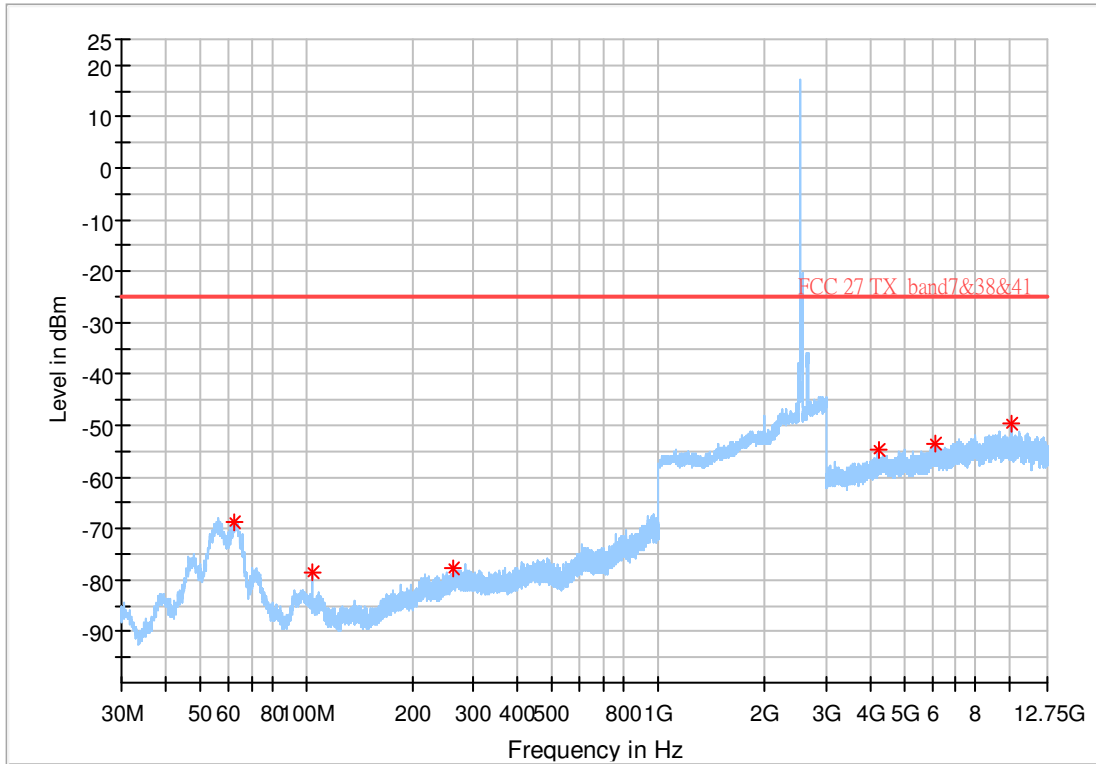


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7.2.2.2. Test Channel = MCH

Full Spectrum



Critical_Freqs

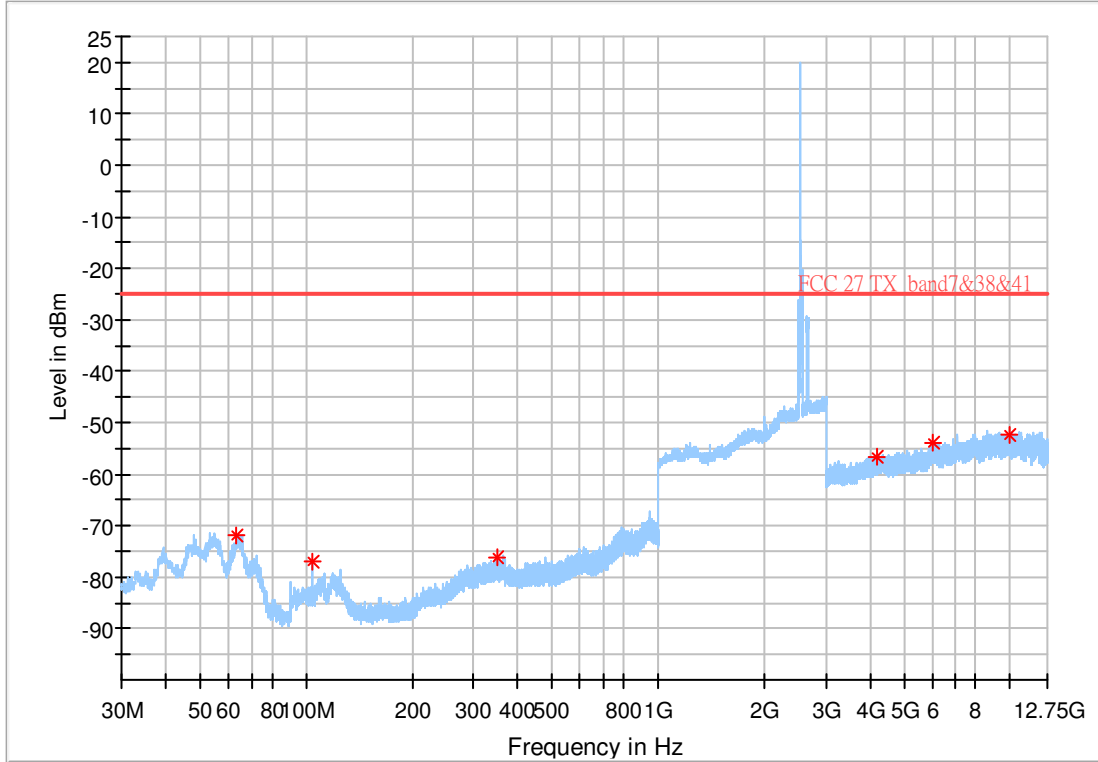
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
62.300000	-68.86	-25.00	43.86	---	---	200.0	H	61.0	-95.0
104.300000	-78.62	-25.00	53.62	---	---	200.0	H	144.0	-109.6
261.300000	-77.92	-25.00	52.92	---	---	200.0	H	172.0	-102.7
4223.625000	-54.79	-25.00	29.79	---	---	200.0	H	95.0	-102.9
6147.300000	-53.58	-25.00	28.58	---	---	200.0	H	165.0	-99.9
10104.500000	-49.64	-25.00	24.64	---	---	200.0	H	107.0	-97.0



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Full Spectrum



Critical_Freqs

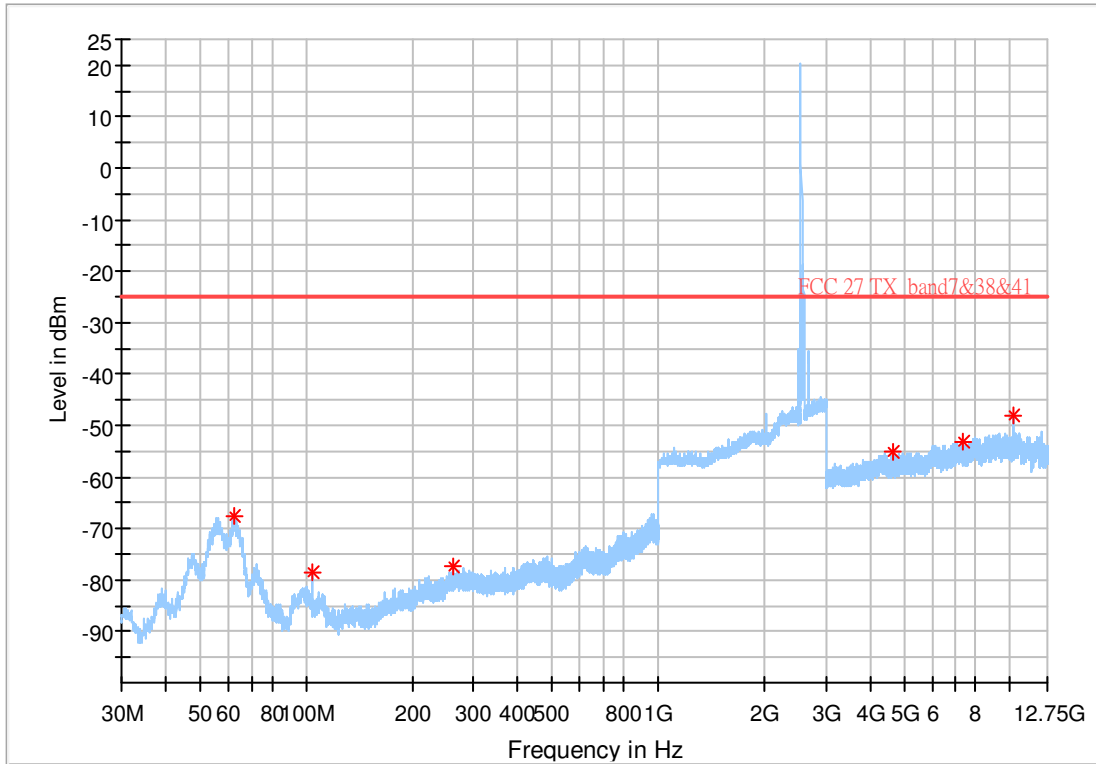
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.700000	-71.95	-25.00	46.95	---	---	200.0	V	140.0	-100.1
104.250000	-77.10	-25.00	52.10	---	---	200.0	V	0.0	-106.8
347.350000	-76.36	-25.00	51.36	---	---	200.0	V	40.0	-101.6
4178.450000	-56.78	-25.00	31.78	---	---	200.0	V	62.0	-103.0
6040.700000	-54.03	-25.00	29.03	---	---	200.0	V	50.0	-99.7
9894.875000	-52.37	-25.00	27.37	---	---	200.0	V	154.0	-97.0



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7.2.2.3. Test Channel = HCH

Full Spectrum



Critical_Freqs

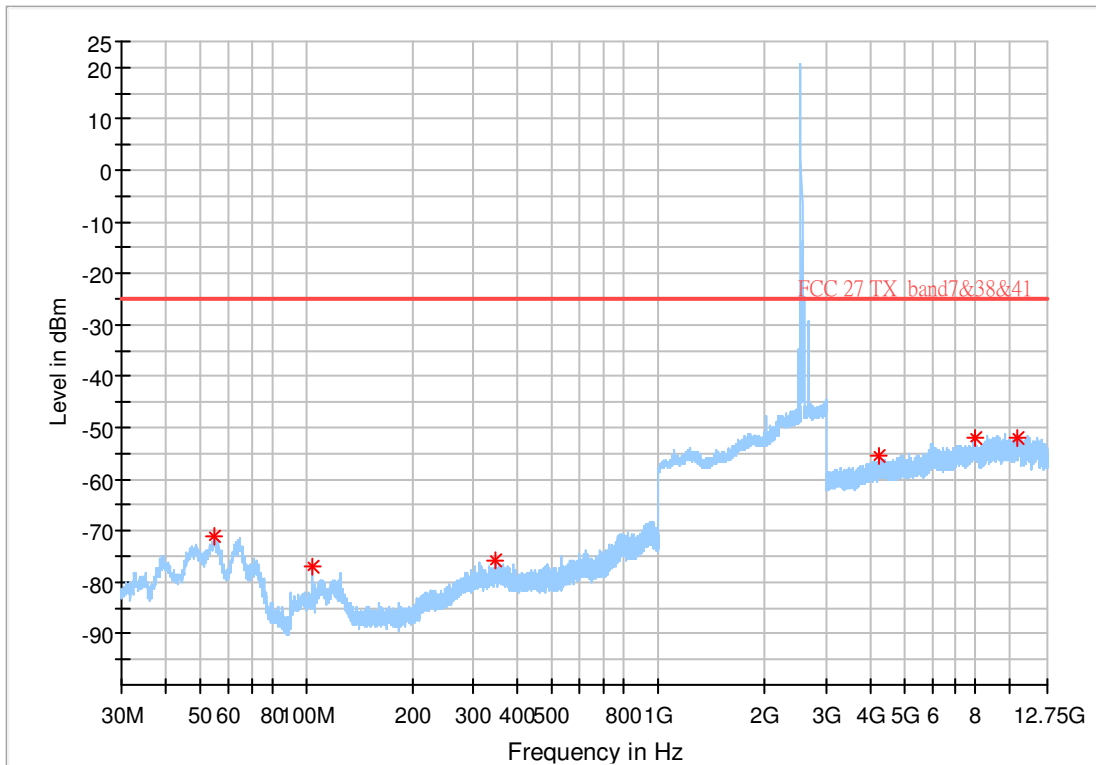
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
62.200000	-67.70	-25.00	42.70	---	---	200.0	H	180.0	-95.0
104.200000	-78.55	-25.00	53.55	---	---	200.0	H	178.0	-109.6
260.800000	-77.40	-25.00	52.40	---	---	200.0	H	79.0	-102.7
4627.275000	-55.23	-25.00	30.23	---	---	200.0	H	73.0	-102.5
7337.125000	-53.07	-25.00	28.07	---	---	200.0	H	0.0	-99.6
10204.600000	-48.12	-25.00	23.12	---	---	200.0	H	142.0	-96.9



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Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
54.950000	-71.16	-25.00	46.16	---	---	200.0	V	179.0	-102.2
104.300000	-76.88	-25.00	51.88	---	---	200.0	V	0.0	-106.8
344.800000	-75.97	-25.00	50.97	---	---	200.0	V	179.0	-101.7
4249.300000	-55.60	-25.00	30.60	---	---	200.0	V	142.0	-102.8
7950.400000	-51.78	-25.00	26.78	---	---	200.0	V	29.0	-98.0
10505.875000	-51.94	-25.00	26.94	---	---	200.0	V	107.0	-96.4

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 above 12.75G and 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		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	6.70	0.002669	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	-15.60	-0.006215	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	-15.60	-0.006215	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-2.70	-0.001065	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-10.80	-0.004260	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	2.80	0.001105	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	3.10	0.001211	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-9.20	-0.003594	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-17.70	-0.006914	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	-5.00	-0.001992	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	-18.00	-0.007171	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	8.50	0.003386	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	4.30	0.001696	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-25.80	-0.010178	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-18.70	-0.007377	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	-9.20	-0.003594	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	-19.70	-0.007695	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	-10.50	-0.004102	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VL	NT	-17.40	-0.006932	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VN	NT	0.90	0.000359	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VH	NT	-8.90	-0.003546	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VL	NT	-5.50	-0.002170	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VN	NT	-14.80	-0.005838	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VH	NT	-23.30	-0.009191	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VL	NT	10.10	0.003945	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VN	NT	-16.70	-0.006523	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VH	NT	-6.70	-0.002617	±2.5	PASS



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8.2. Frequency Vs Temperature

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	4.70	0.001873	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-5.30	-0.002112	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	17.90	0.007131	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	0.20	0.000080	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-11.80	-0.004701	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	-4.10	-0.001633	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	-16.50	-0.006574	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	7.60	0.003028	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	-26.00	-0.010359	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-16.40	-0.006469	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	6.50	0.002564	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	8.30	0.003274	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-7.70	-0.003037	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-14.00	-0.005523	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	2.50	0.000986	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	8.30	0.003274	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-19.80	-0.007811	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	8.20	0.003235	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-2.00	-0.000781	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	3.40	0.001328	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	-14.00	-0.005469	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-21.30	-0.008320	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-29.50	-0.011523	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-18.80	-0.007344	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	-17.80	-0.006953	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	9.40	0.003672	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-21.60	-0.008438	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	-7.20	-0.002869	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	4.60	0.001833	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-10	14.00	0.005578	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	-15.00	-0.005976	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	-18.40	-0.007331	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	7.40	0.002948	±2.5	PASS



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Band7	20MHz	16QAM	20850	100RB#0	NV	30	-4.60	-0.001833	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	-10.20	-0.004064	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	0.10	0.000040	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	-9.70	-0.003826	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-0.70	-0.000276	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-10	-4.90	-0.001933	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	16.40	0.006469	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	8.10	0.003195	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	2.40	0.000947	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	5.30	0.002091	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	-11.50	-0.004536	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	5.60	0.002209	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	2.40	0.000938	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	-10.20	-0.003984	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-10	4.70	0.001836	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	-17.00	-0.006641	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	-4.50	-0.001758	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	9.50	0.003711	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	1.70	0.000664	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	1.80	0.000703	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	0.20	0.000078	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-30	-2.80	-0.001116	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-20	-21.10	-0.008406	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-10	-14.10	-0.005618	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	0	-1.40	-0.000558	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	10	-25.00	-0.009960	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	20	-17.20	-0.006853	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	30	-26.60	-0.010598	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	40	1.80	0.000717	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	50	-19.40	-0.007729	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-30	-12.90	-0.005089	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-20	8.10	0.003195	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-10	10.70	0.004221	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	0	7.80	0.003077	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	10	11.80	0.004655	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	20	-23.10	-0.009112	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	30	-13.80	-0.005444	±2.5	PASS



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Band7	20MHz	64QAM	21100	100RB#0	NV	40	8.00	0.003156	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	50	-4.70	-0.001854	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-30	4.20	0.001641	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-20	9.30	0.003633	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-10	9.60	0.003750	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	0	-0.90	-0.000352	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	10	-1.30	-0.000508	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	20	-18.10	-0.007070	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	30	-23.10	-0.009023	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	40	-20.70	-0.008086	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	50	2.10	0.000820	±2.5	PASS

The End



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