



Appendix

LTE CA_7C





Effective (Isotropic) Radiated Power Output Data

Test Result

ANT2:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	12RB#0-0RB#0	23.50	22.3	30.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	1RB#0-0RB#0	23.24	22.04	30.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	12RB#0-0RB#0	23.58	22.38	30.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	1RB#0-0RB#0	23.40	22.2	30.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	12RB#0-0RB#0	23.73	22.53	30.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	1RB#0-0RB#0	23.56	22.36	30.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	12RB#0-0RB#0	22.56	21.36	30.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	1RB#0-0RB#0	22.71	21.51	30.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	12RB#0-0RB#0	22.65	21.45	30.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	1RB#0-0RB#0	22.88	21.68	30.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	12RB#0-0RB#0	22.78	21.58	30.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	1RB#0-0RB#0	22.98	21.78	30.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	12RB#0-0RB#0	21.51	20.31	30.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	1RB#0-0RB#0	21.47	20.27	30.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	12RB#0-0RB#0	21.56	20.36	30.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	1RB#0-0RB#0	21.53	20.33	30.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	12RB#0-0RB#0	21.71	20.51	30.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	1RB#0-0RB#0	21.75	20.55	30.00	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	1RB#0-0RB#0	23.60	22.4	30.00	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	1RB#0-0RB#0	23.79	22.59	30.00	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	1RB#0-0RB#0	23.91	22.71	30.00	PASS
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	1RB#0-0RB#0	22.89	21.69	30.00	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	1RB#0-0RB#0	23.07	21.87	30.00	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	1RB#0-0RB#0	23.23	22.03	30.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	1RB#0-0RB#0	21.89	20.69	30.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	1RB#0-0RB#0	21.89	20.69	30.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	1RB#0-0RB#0	22.03	20.83	30.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	16RB#0-0RB#0	23.70	22.5	30.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	1RB#0-0RB#0	23.54	22.34	30.00	PASS



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7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	16RB#0-0RB#0	23.75	22.55	30.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	1RB#0-0RB#0	23.54	22.34	30.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	16RB#0-0RB#0	23.92	22.72	30.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	1RB#0-0RB#0	23.64	22.44	30.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	16RB#0-0RB#0	22.76	21.56	30.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	1RB#0-0RB#0	22.87	21.67	30.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	16RB#0-0RB#0	22.83	21.63	30.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	1RB#0-0RB#0	23.03	21.83	30.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	16RB#0-0RB#0	22.99	21.79	30.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	1RB#0-0RB#0	23.24	22.04	30.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	16RB#0-0RB#0	21.69	20.49	30.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	1RB#0-0RB#0	21.81	20.61	30.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	16RB#0-0RB#0	21.74	20.54	30.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	1RB#0-0RB#0	21.81	20.61	30.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	16RB#0-0RB#0	21.94	20.74	30.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	1RB#0-0RB#0	21.97	20.77	30.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	16RB#0-0RB#0	23.67	22.47	30.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	1RB#0-0RB#0	23.47	22.27	30.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	16RB#0-0RB#0	23.56	22.36	30.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	1RB#0-0RB#0	-34.65	-35.85	30.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	16RB#0-0RB#0	23.75	22.55	30.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	1RB#0-0RB#0	23.49	22.29	30.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	16RB#0-0RB#0	22.73	21.53	30.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	1RB#0-0RB#0	22.79	21.59	30.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	16RB#0-0RB#0	22.65	21.45	30.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	1RB#0-0RB#0	22.82	21.62	30.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	16RB#0-0RB#0	22.87	21.67	30.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	1RB#0-0RB#0	22.90	21.7	30.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	16RB#0-0RB#0	21.66	20.46	30.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	1RB#0-0RB#0	21.62	20.42	30.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	16RB#0-0RB#0	21.60	20.4	30.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	1RB#0-0RB#0	21.71	20.51	30.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	16RB#0-0RB#0	21.80	20.6	30.00	PASS



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7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	1RB#0-0RB#0	21.81	20.61	30.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	12RB#0-0RB#0	23.47	22.27	30.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	1RB#0-0RB#0	23.34	22.14	30.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	12RB#0-0RB#0	23.47	22.27	30.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	1RB#0-0RB#0	23.35	22.15	30.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	12RB#0-0RB#0	23.70	22.5	30.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	1RB#0-0RB#0	23.46	22.26	30.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	12RB#0-0RB#0	22.54	21.34	30.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	1RB#0-0RB#0	22.75	21.55	30.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	12RB#0-0RB#0	22.56	21.36	30.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	1RB#0-0RB#0	22.87	21.67	30.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	12RB#0-0RB#0	22.79	21.59	30.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	1RB#0-0RB#0	22.88	21.68	30.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	12RB#0-0RB#0	21.58	20.38	30.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	1RB#0-0RB#0	21.64	20.44	30.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	12RB#0-0RB#0	21.56	20.36	30.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	1RB#0-0RB#0	21.62	20.42	30.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	12RB#0-0RB#0	21.78	20.58	30.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	1RB#0-0RB#0	21.76	20.56	30.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	18RB#0-0RB#0	23.40	22.2	30.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	1RB#0-0RB#0	23.16	21.96	30.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	18RB#0-0RB#0	23.32	22.12	30.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	1RB#0-0RB#0	23.07	21.87	30.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	18RB#0-0RB#0	23.52	22.32	30.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	1RB#0-0RB#0	23.27	22.07	30.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	18RB#0-0RB#0	22.47	21.27	30.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	1RB#0-0RB#0	22.58	21.38	30.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	18RB#0-0RB#0	22.44	21.24	30.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	1RB#0-0RB#0	22.63	21.43	30.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	18RB#0-0RB#0	22.62	21.42	30.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	1RB#0-0RB#0	22.71	21.51	30.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	18RB#0-0RB#0	21.45	20.25	30.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	1RB#0-0RB#0	21.54	20.34	30.00	PASS



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7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	18RB#0-0RB#0	21.39	20.19	30.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	1RB#0-0RB#0	21.32	20.12	30.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	18RB#0-0RB#0	21.58	20.38	30.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	1RB#0-0RB#0	21.55	20.35	30.00	PASS



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ANT4:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	12RB#0-0RB#0	21.68	19.52	30.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	1RB#0-0RB#0	21.44	19.28	30.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	12RB#0-0RB#0	21.72	19.56	30.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	1RB#0-0RB#0	21.50	19.34	30.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	12RB#0-0RB#0	21.73	19.57	30.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	1RB#0-0RB#0	21.56	19.4	30.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	12RB#0-0RB#0	20.86	18.7	30.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	1RB#0-0RB#0	20.61	18.45	30.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	12RB#0-0RB#0	20.75	18.59	30.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	1RB#0-0RB#0	20.68	18.52	30.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	12RB#0-0RB#0	20.78	18.62	30.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	1RB#0-0RB#0	20.58	18.42	30.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	12RB#0-0RB#0	19.71	17.55	30.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	1RB#0-0RB#0	19.57	17.41	30.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	12RB#0-0RB#0	19.86	17.7	30.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	1RB#0-0RB#0	19.53	17.37	30.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	12RB#0-0RB#0	19.71	17.55	30.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	1RB#0-0RB#0	19.45	17.29	30.00	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	1RB#0-0RB#0	21.60	19.44	30.00	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	1RB#0-0RB#0	21.79	19.63	30.00	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	1RB#0-0RB#0	21.69	19.53	30.00	PASS
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	1RB#0-0RB#0	21.59	19.43	30.00	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	1RB#0-0RB#0	21.67	19.51	30.00	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	1RB#0-0RB#0	21.63	19.47	30.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	1RB#0-0RB#0	20.79	18.63	30.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	1RB#0-0RB#0	20.67	18.51	30.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	1RB#0-0RB#0	20.83	18.67	30.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	16RB#0-0RB#0	21.61	19.45	30.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	1RB#0-0RB#0	21.42	19.26	30.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	16RB#0-0RB#0	21.78	19.62	30.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	1RB#0-0RB#0	21.51	19.35	30.00	PASS



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7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	16RB#0-0RB#0	21.70	19.54	30.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	1RB#0-0RB#0	21.48	19.32	30.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	16RB#0-0RB#0	20.87	18.71	30.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	1RB#0-0RB#0	20.55	18.39	30.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	16RB#0-0RB#0	20.83	18.67	30.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	1RB#0-0RB#0	20.76	18.6	30.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	16RB#0-0RB#0	20.68	18.52	30.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	1RB#0-0RB#0	20.60	18.44	30.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	16RB#0-0RB#0	19.65	17.49	30.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	1RB#0-0RB#0	19.57	17.41	30.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	16RB#0-0RB#0	19.91	17.75	30.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	1RB#0-0RB#0	19.54	17.38	30.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	16RB#0-0RB#0	19.70	17.54	30.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	1RB#0-0RB#0	19.39	17.23	30.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	16RB#0-0RB#0	21.68	19.52	30.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	1RB#0-0RB#0	21.42	19.26	30.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	16RB#0-0RB#0	21.57	19.41	30.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	1RB#0-0RB#0	21.53	19.37	30.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	16RB#0-0RB#0	21.67	19.51	30.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	1RB#0-0RB#0	21.68	19.52	30.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	16RB#0-0RB#0	20.99	18.83	30.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	1RB#0-0RB#0	20.64	18.48	30.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	16RB#0-0RB#0	20.70	18.54	30.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	1RB#0-0RB#0	20.60	18.44	30.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	16RB#0-0RB#0	20.82	18.66	30.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	1RB#0-0RB#0	20.63	18.47	30.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	16RB#0-0RB#0	19.66	17.5	30.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	1RB#0-0RB#0	19.53	17.37	30.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	16RB#0-0RB#0	19.83	17.67	30.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	1RB#0-0RB#0	19.47	17.31	30.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	16RB#0-0RB#0	19.75	17.59	30.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	1RB#0-0RB#0	19.61	17.45	30.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	12RB#0-0RB#0	21.59	19.43	30.00	PASS



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7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	1RB#0-0RB#0	21.50	19.34	30.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	12RB#0-0RB#0	21.66	19.5	30.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	1RB#0-0RB#0	21.54	19.38	30.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	12RB#0-0RB#0	21.68	19.52	30.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	1RB#0-0RB#0	21.62	19.46	30.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	12RB#0-0RB#0	20.97	18.81	30.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	1RB#0-0RB#0	20.59	18.43	30.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	12RB#0-0RB#0	20.64	18.48	30.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	1RB#0-0RB#0	20.67	18.51	30.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	12RB#0-0RB#0	20.90	18.74	30.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	1RB#0-0RB#0	20.72	18.56	30.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	12RB#0-0RB#0	19.66	17.5	30.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	1RB#0-0RB#0	19.50	17.34	30.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	12RB#0-0RB#0	19.94	17.78	30.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	1RB#0-0RB#0	19.42	17.26	30.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	12RB#0-0RB#0	19.71	17.55	30.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	1RB#0-0RB#0	19.58	17.42	30.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	18RB#0-0RB#0	21.57	19.41	30.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	1RB#0-0RB#0	21.51	19.35	30.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	18RB#0-0RB#0	21.61	19.45	30.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	1RB#0-0RB#0	21.57	19.41	30.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	18RB#0-0RB#0	21.58	19.42	30.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	1RB#0-0RB#0	21.76	19.6	30.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	18RB#0-0RB#0	20.96	18.8	30.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	1RB#0-0RB#0	20.70	18.54	30.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	18RB#0-0RB#0	20.65	18.49	30.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	1RB#0-0RB#0	20.72	18.56	30.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	18RB#0-0RB#0	20.66	18.5	30.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	1RB#0-0RB#0	20.59	18.43	30.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	18RB#0-0RB#0	19.77	17.61	30.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	1RB#0-0RB#0	19.60	17.44	30.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	18RB#0-0RB#0	19.80	17.64	30.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	1RB#0-0RB#0	19.54	17.38	30.00	PASS



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7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	18RB#0-0RB#0	19.82	17.66	30.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	1RB#0-0RB#0	19.73	17.57	30.00	PASS

Remark:

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

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

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





Peak-to-Average Ratio(CCDF)

Test Result

Test Band	Modulation	Test Mode	Test Channel	PCC RB Config	SCC RB Config	Measured [dB]	Limit [dB]	Verdict
CA_7C	QPSK	100RB+100RB	21048+20850	100RB#0	100RB#0	6.20	13.00	PASS
CA_7C	QPSK	100RB+100RB	21199+21001	100RB#0	100RB#0	6.17	13.00	PASS
CA_7C	QPSK	100RB+100RB	21350+21152	100RB#0	100RB#0	5.30	13.00	PASS
CA_7C	16QAM	100RB+100RB	21048+20850	100RB#0	100RB#0	5.39	13.00	PASS
CA_7C	16QAM	100RB+100RB	21199+21001	100RB#0	100RB#0	6.23	13.00	PASS
CA_7C	16QAM	100RB+100RB	21350+21152	100RB#0	100RB#0	6.32	13.00	PASS
CA_7C	64QAM	100RB+100RB	21048+20850	100RB#0	100RB#0	5.62	13.00	PASS
CA_7C	64QAM	100RB+100RB	21199+21001	100RB#0	100RB#0	6.38	13.00	PASS
CA_7C	64QAM	100RB+100RB	21350+21152	100RB#0	100RB#0	6.52	13.00	PASS

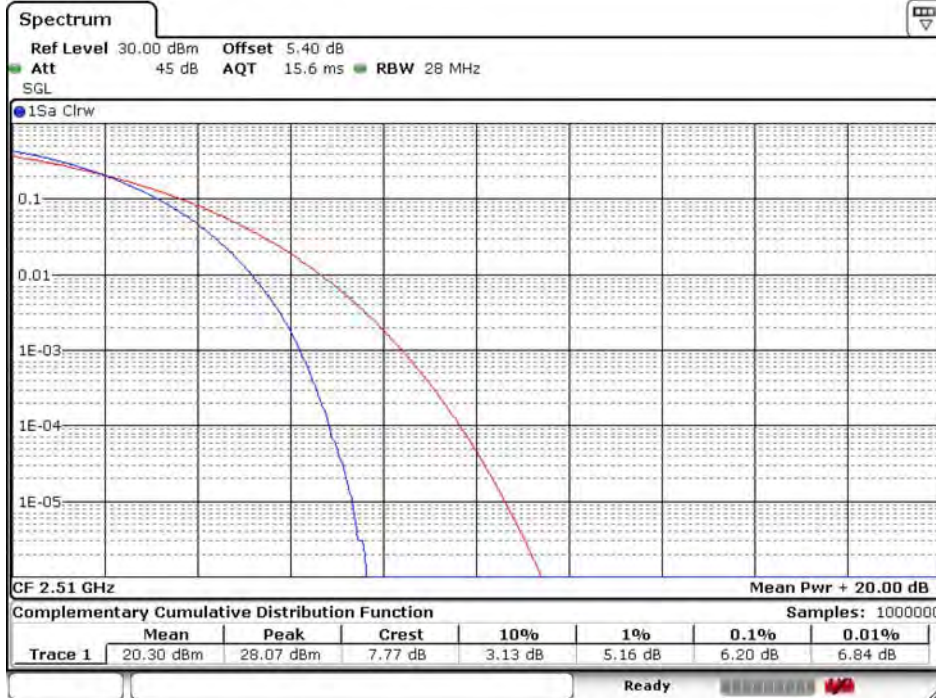


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Test Graphs

CA_7C_100RB+100RB_QPSK_21048+20850_100RB#0+100RB#0



Date: 22.JUL.2021 14:16:29

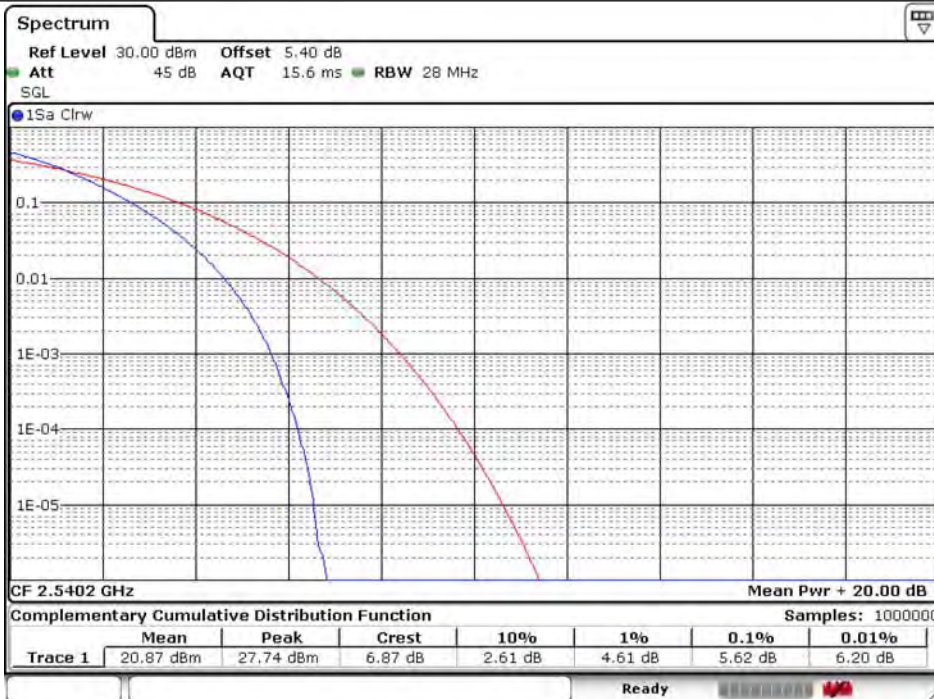


CA 7C 100RB+100RB QPSK 21199+21001 100RB#0+100RB#0



Date: 22.JUL.2021 14:18:03

CA 7C 100RB+100RB QPSK 21350+21152 100RB#0+100RB#0



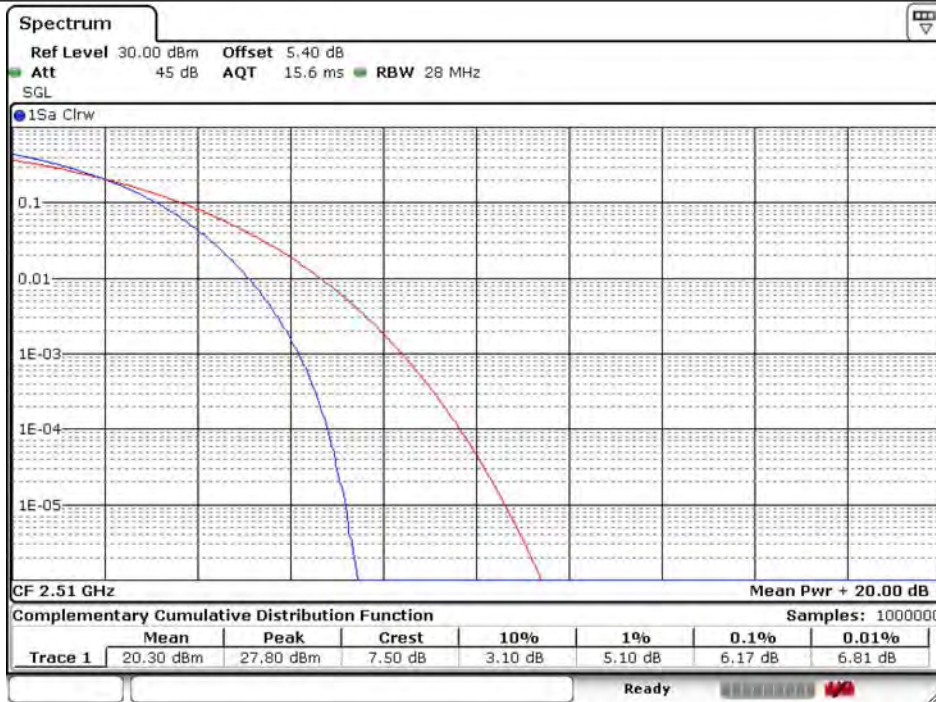
Date: 22.JUL.2021 14:20:06



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CA 7C 100RB+100RB 16QAM 21048+20850 100RB#0+100RB#0



Date: 22.JUL.2021 14:16:42

CA 7C 100RB+100RB 16QAM 21199+21001 100RB#0+100RB#0



Date: 22.JUL.2021 14:18:21

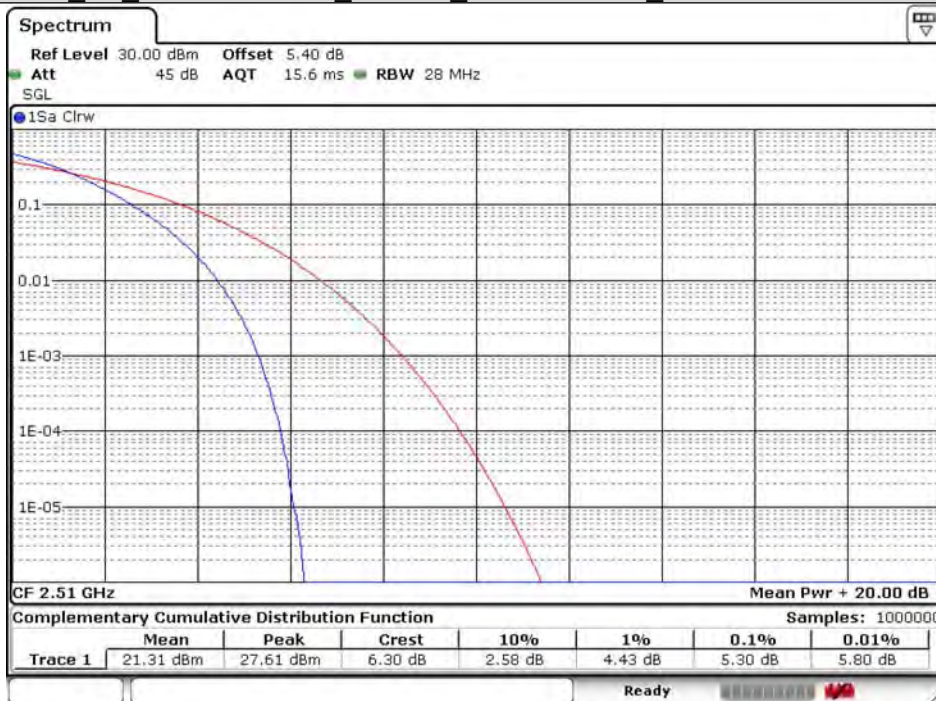


CA 7C 100RB+100RB 16QAM 21350+21152 100RB#0+100RB#0



Date: 22.JUL.2021 14:19:51

CA 7C 100RB+100RB 64QAM 21048+20850 100RB#0+100RB#0



Date: 22.JUL.2021 14:16:54

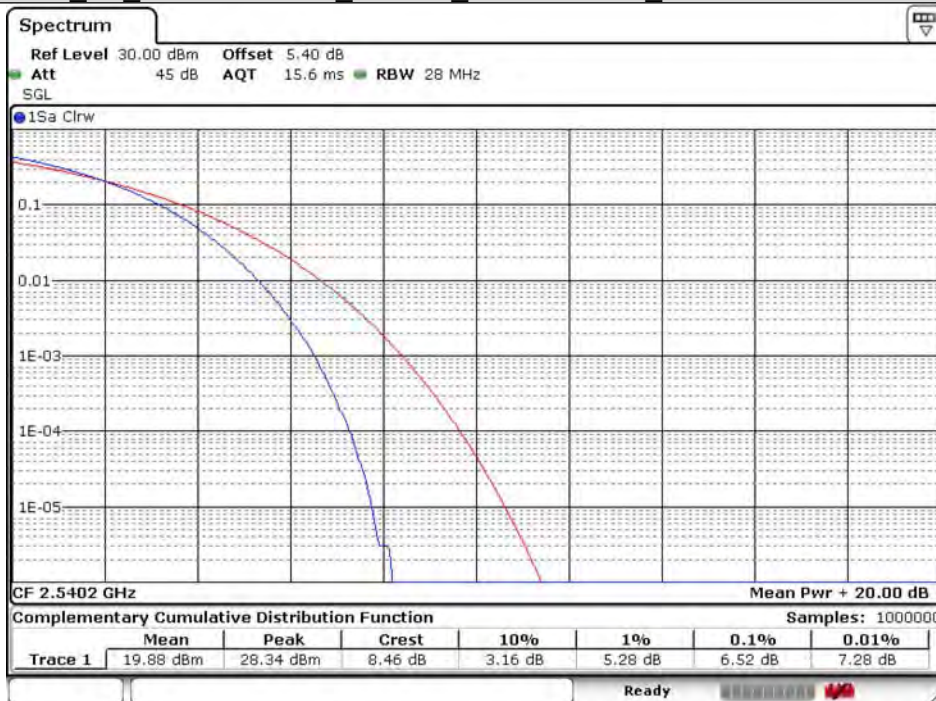


CA 7C 100RB+100RB 64QAM 21199+21001 100RB#0+100RB#0



Date: 22.JUL.2021 14:18:32

CA 7C 100RB+100RB 64QAM 21350+21152 100RB#0+100RB#0



Date: 22.JUL.2021 14:19:38

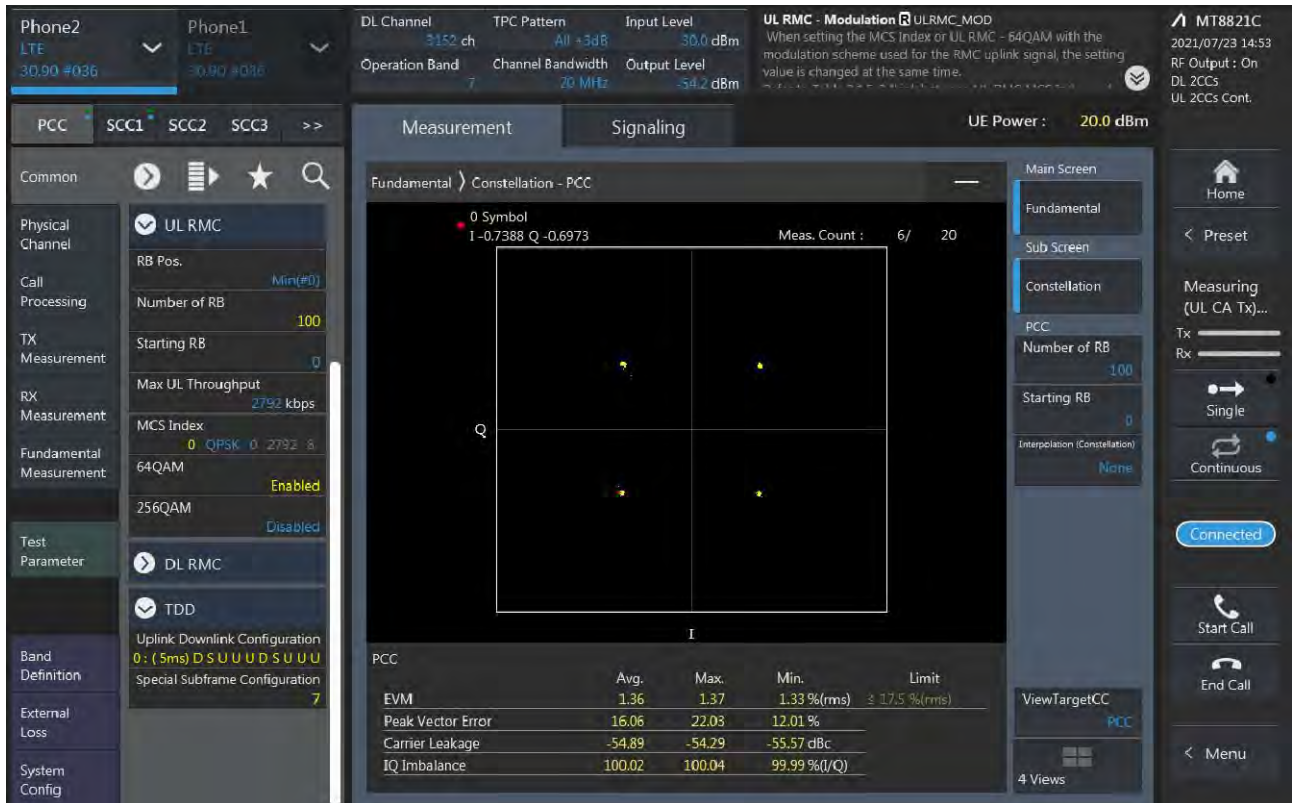


Modulation Characteristics For LTE

Test Band = LTE Band CA_7C

Test Mode = LTE /QPSK 100RB+100RB

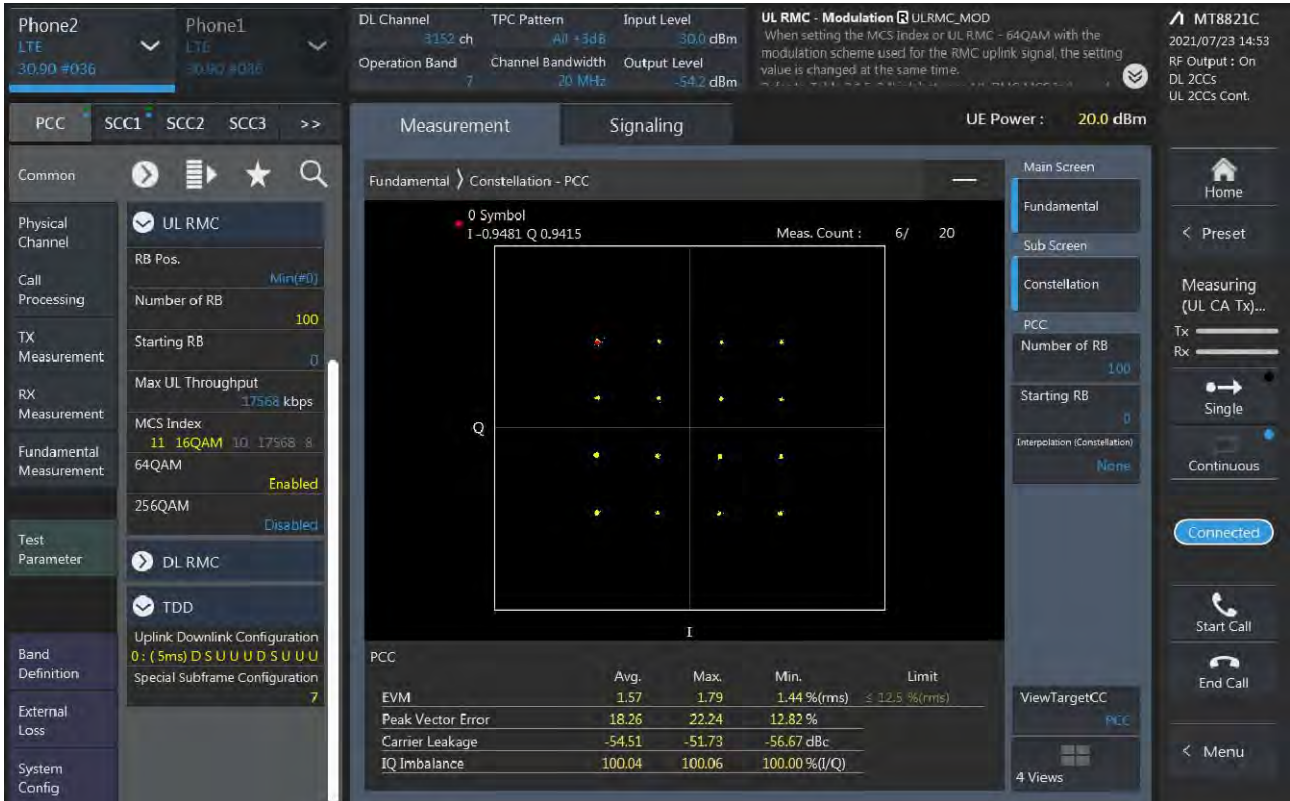
Test Channel = 20850+20994





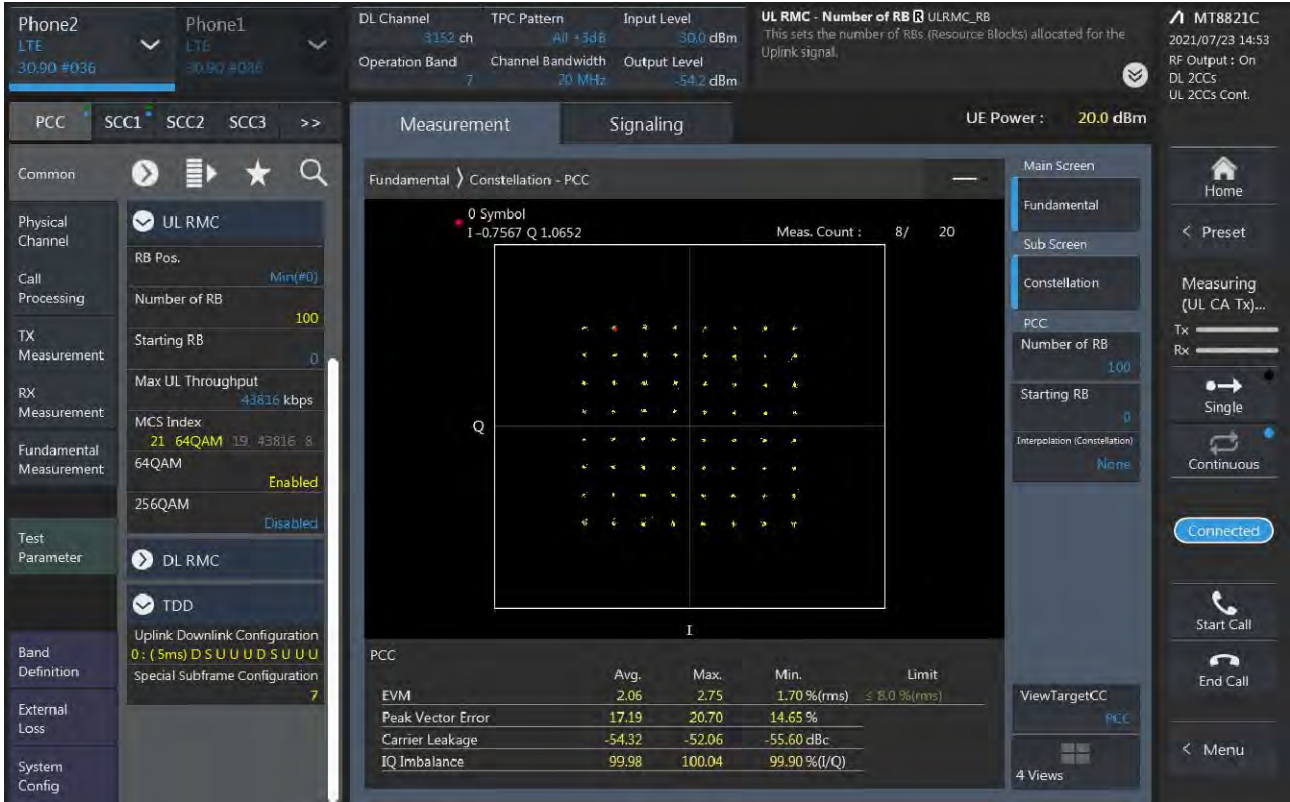
Test Mode = LTE /16QAM 100RB+100RB

Test Channel =20850+20994





Test Mode = LTE /64QAM 100RB+100RB
Test Channel = 20850+20994





26dB Bandwidth and Occupied Bandwidth Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	50RB#0-100RB#0	27.496	28.590	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	27.556	28.590	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	50RB#0-100RB#0	27.466	28.590	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	27.526	28.590	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	27.586	28.590	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	50RB#0-100RB#0	27.526	28.590	PASS
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	50RB#0-100RB#0	27.496	28.590	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	50RB#0-100RB#0	27.586	28.560	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	50RB#0-100RB#0	27.496	28.590	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	75RB#0-50RB#0	22.989	23.975	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	23.038	24.000	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	75RB#0-50RB#0	23.013	24.000	PASS
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	75RB#0-50RB#0	22.964	23.950	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	75RB#0-50RB#0	23.038	23.975	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	75RB#0-50RB#0	22.964	23.950	PASS
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	75RB#0-50RB#0	22.989	23.975	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	75RB#0-50RB#0	23.063	24.000	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	75RB#0-50RB#0	23.013	24.000	PASS
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	75RB#0-75RB#0	28.096	29.250	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	75RB#0-75RB#0	28.246	29.280	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	75RB#0-75RB#0	28.156	29.220	PASS
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	75RB#0-75RB#0	28.126	29.220	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	75RB#0-75RB#0	28.216	29.220	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	75RB#0-75RB#0	28.126	29.220	PASS
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	75RB#0-75RB#0	28.126	29.220	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	75RB#0-75RB#0	28.246	29.280	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	75RB#0-75RB#0	28.156	29.220	PASS
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	75RB#0-100RB#0	32.359	33.950	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	75RB#0-100RB#0	32.569	34.055	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	75RB#0-100RB#0	32.429	33.985	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	75RB#0-100RB#0	32.359	34.020	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	75RB#0-100RB#0	32.569	33.985	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	75RB#0-100RB#0	32.499	34.020	PASS
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	75RB#0-100RB#0	32.359	33.985	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	75RB#0-100RB#0	32.534	33.985	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	75RB#0-100RB#0	32.394	33.880	PASS
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	100RB#0-50RB#0	27.556	28.650	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	27.646	28.650	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	27.616	28.650	PASS
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	100RB#0-50RB#0	27.526	28.650	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	100RB#0-50RB#0	27.616	28.710	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	100RB#0-50RB#0	27.586	28.650	PASS
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	100RB#0-50RB#0	27.586	28.650	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	100RB#0-50RB#0	27.646	28.710	PASS

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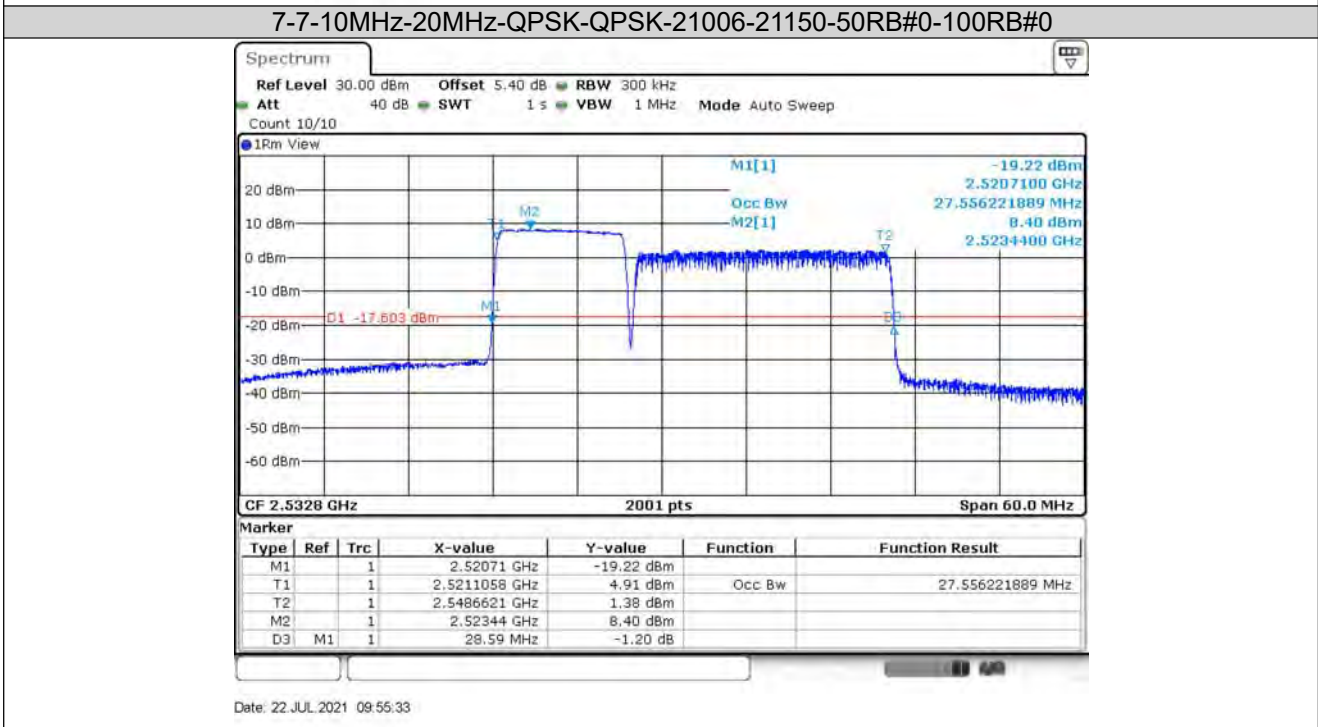
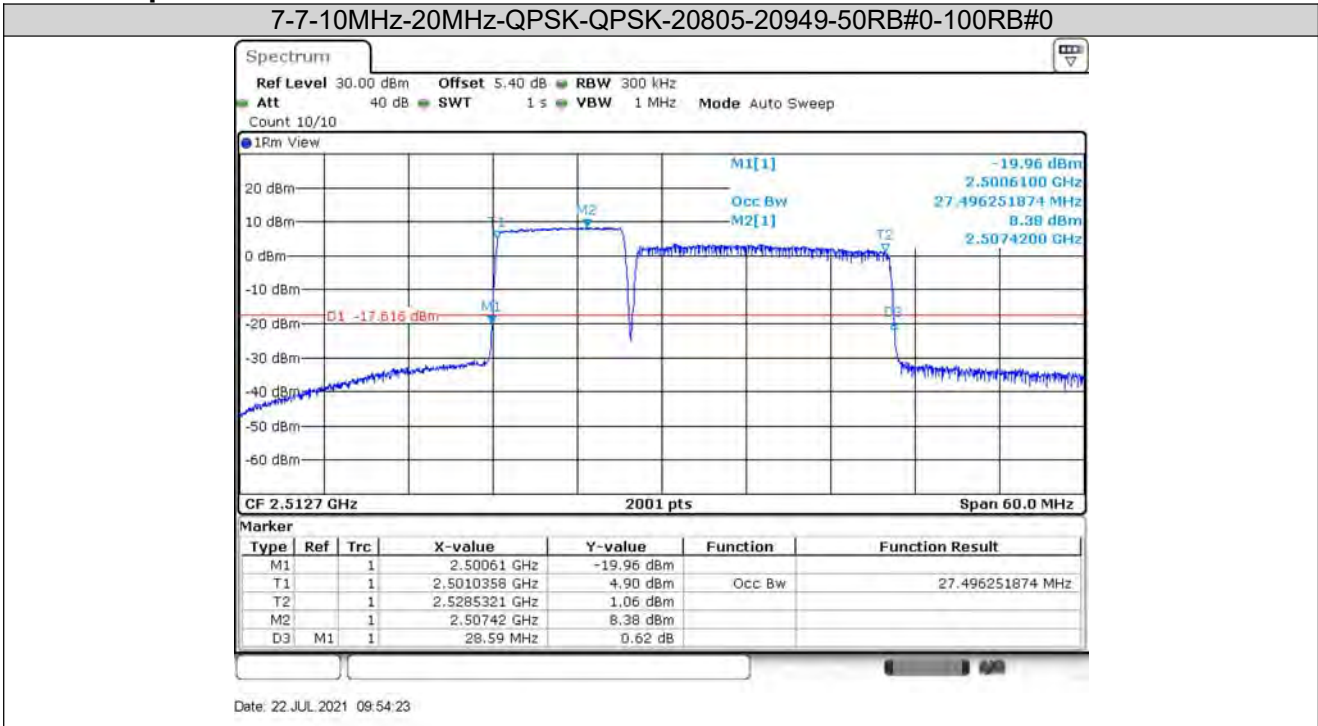
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	100RB#0-50RB#0	27.616	28.650	PASS
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	100RB#0-75RB#0	32.499	34.020	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	32.604	34.090	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	100RB#0-75RB#0	32.499	34.055	PASS
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	100RB#0-75RB#0	32.464	34.020	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	100RB#0-75RB#0	32.604	34.055	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	100RB#0-75RB#0	32.499	34.020	PASS
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	100RB#0-75RB#0	32.464	34.020	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	100RB#0-75RB#0	32.604	34.090	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	100RB#0-75RB#0	32.499	34.020	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	37.261	38.920	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	37.461	39.040	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	37.381	39.000	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	100RB#0-100RB#0	37.261	38.960	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	100RB#0-100RB#0	37.501	39.040	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	100RB#0-100RB#0	37.381	39.000	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	100RB#0-100RB#0	37.301	38.880	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	100RB#0-100RB#0	37.501	39.040	PASS
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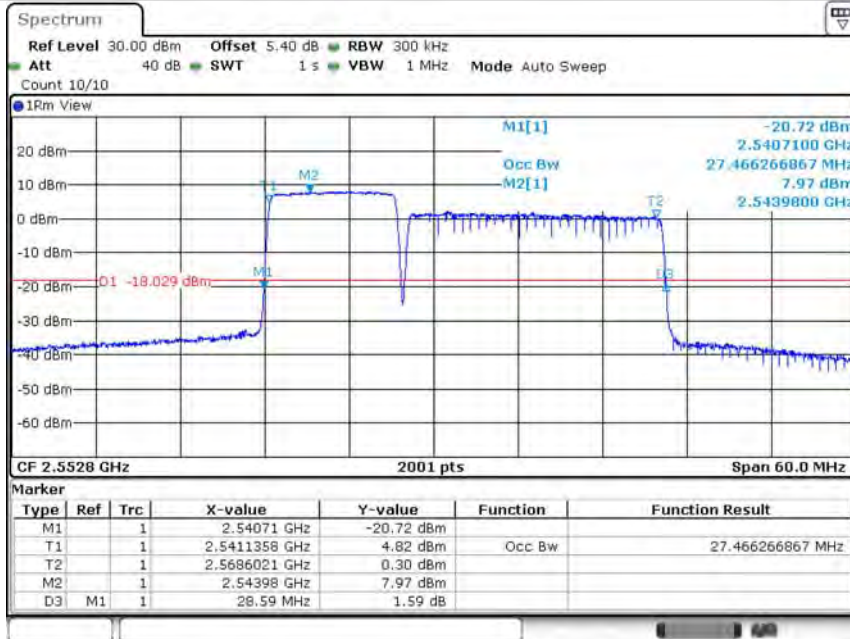
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Test Graphs

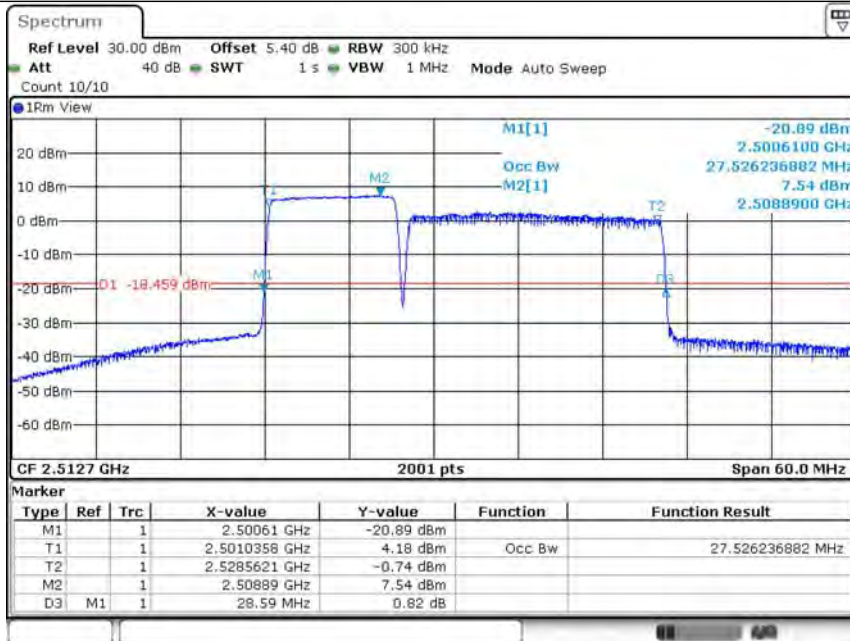


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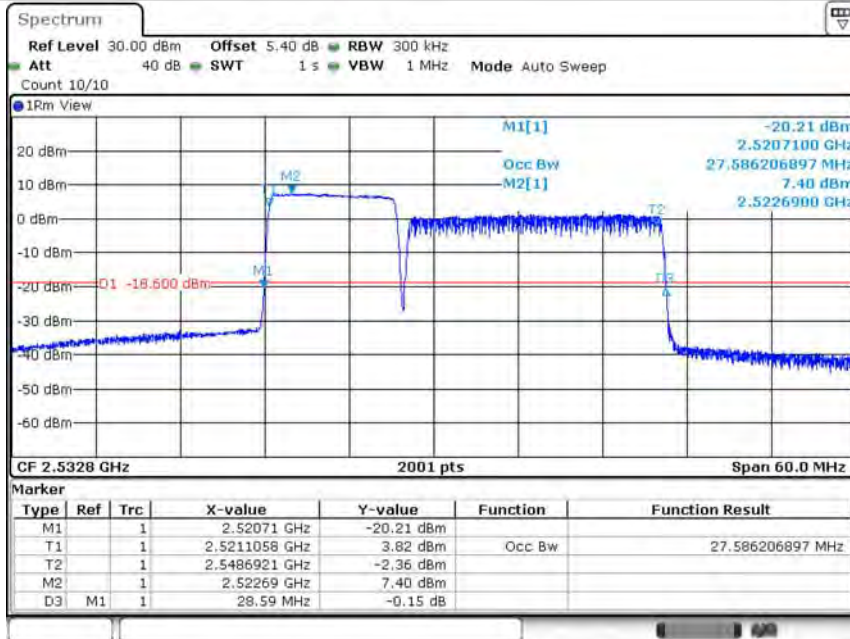
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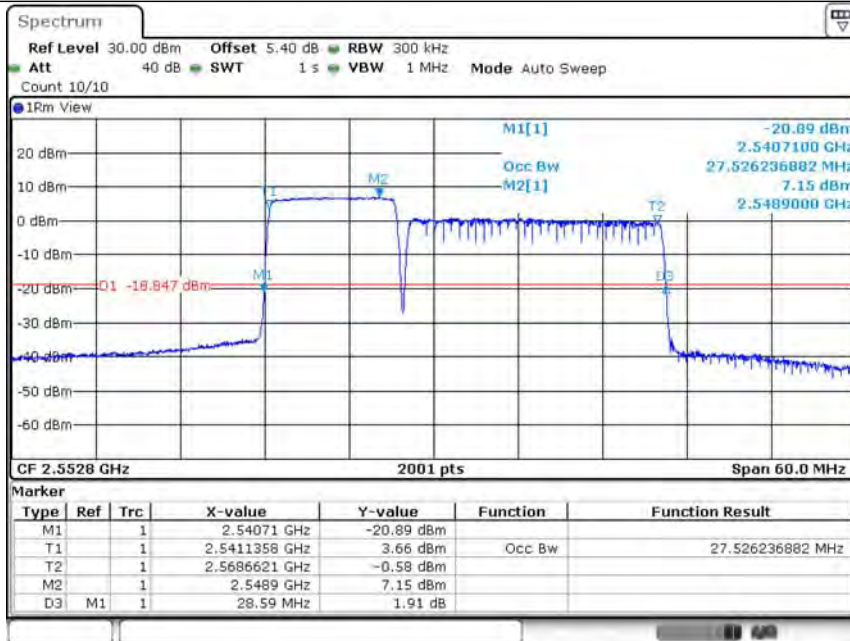


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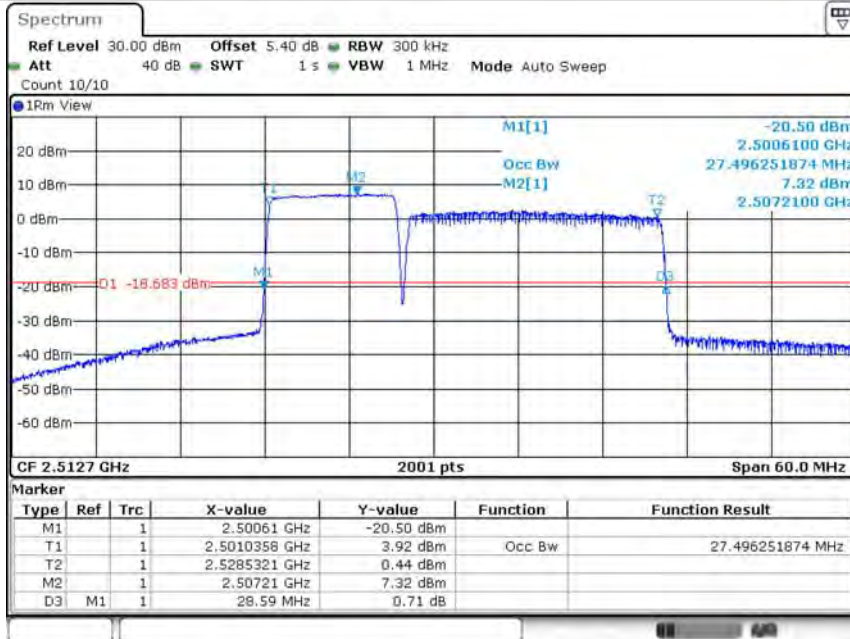
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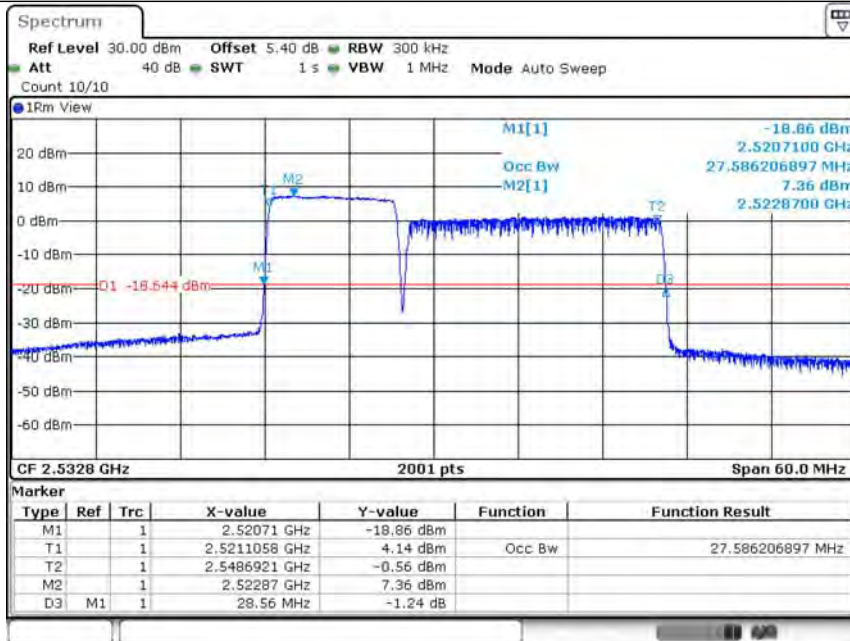


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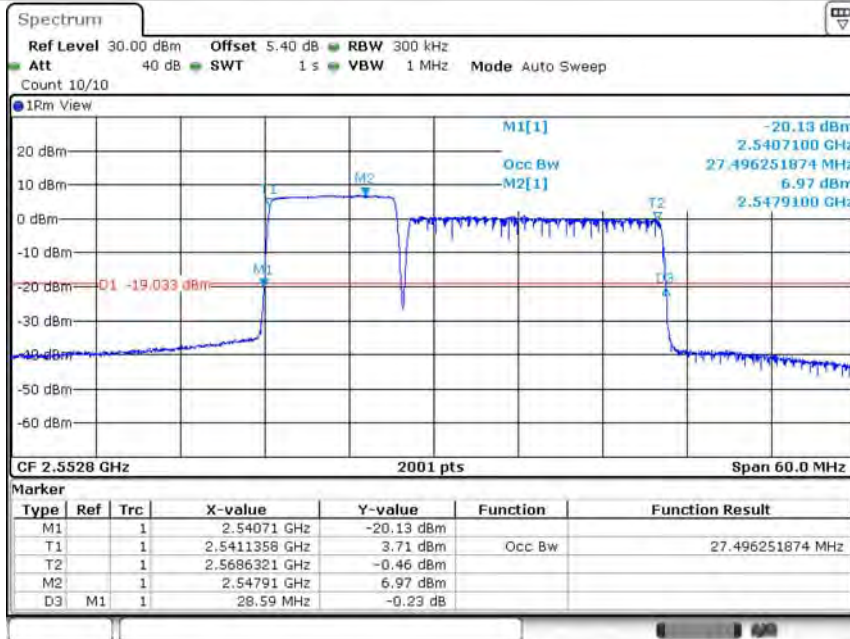
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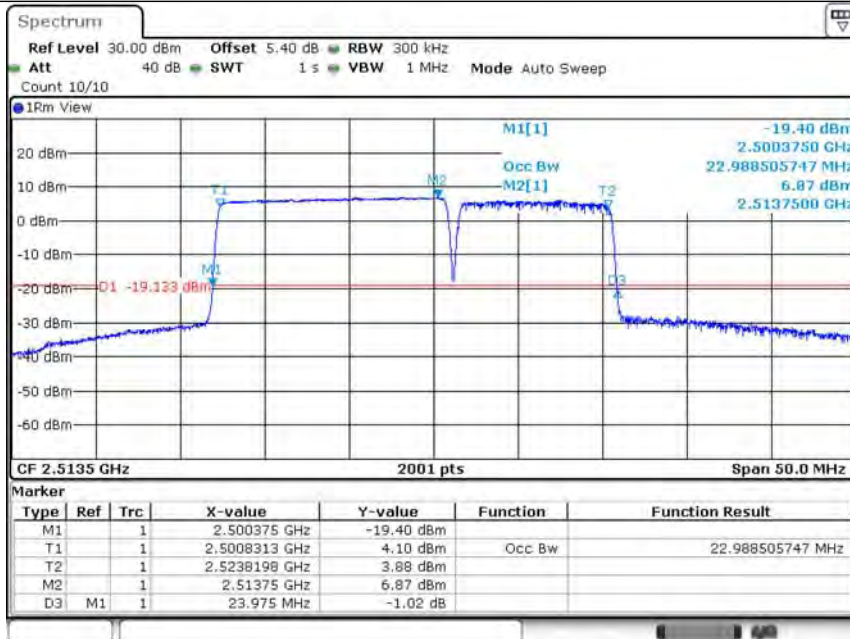


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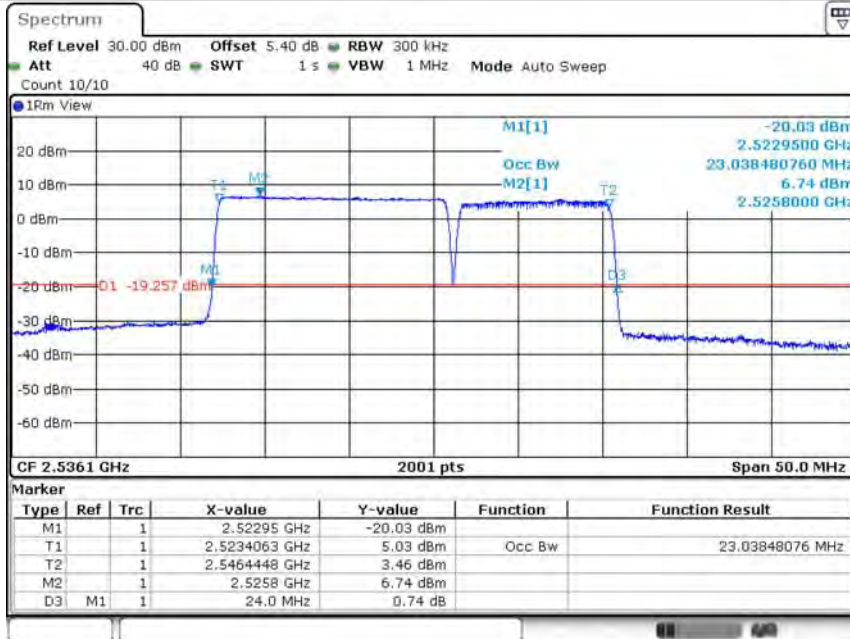
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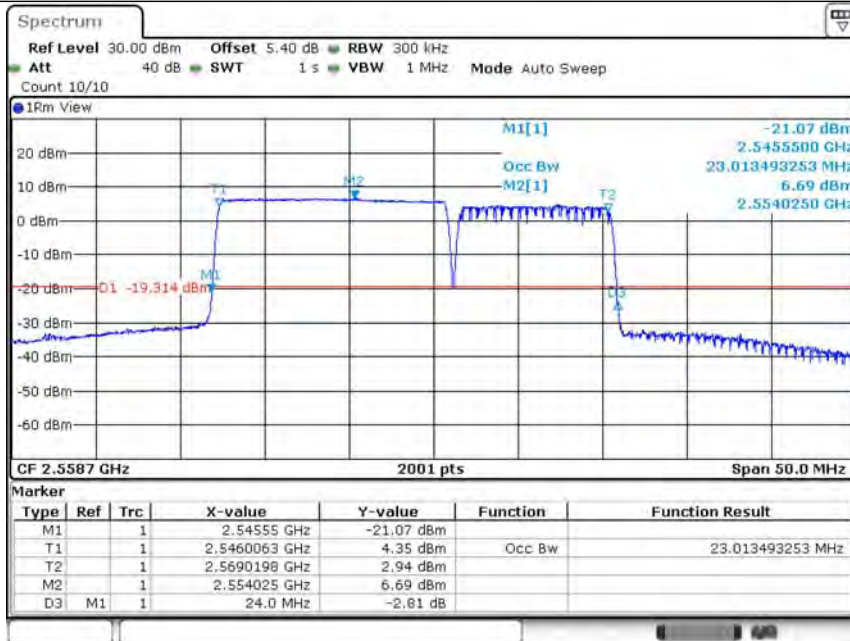


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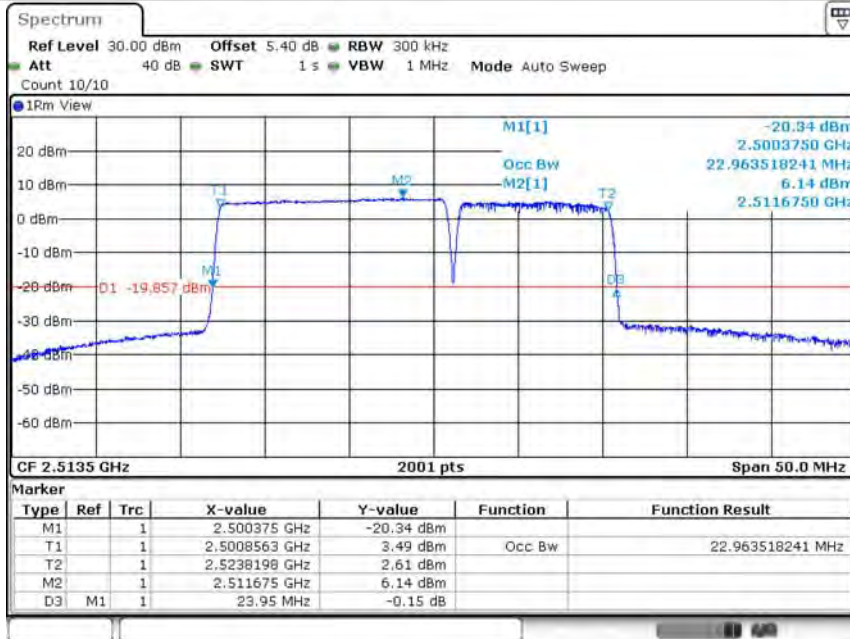
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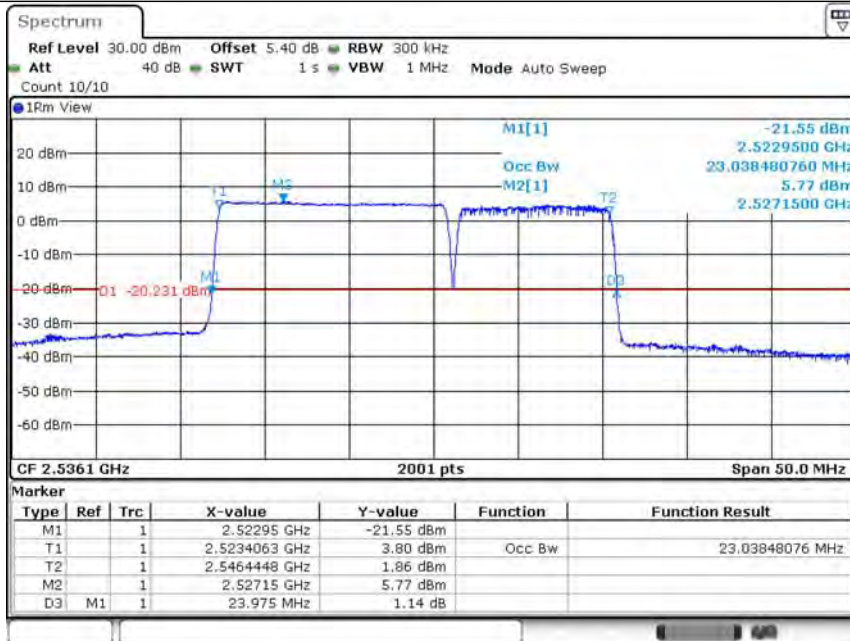


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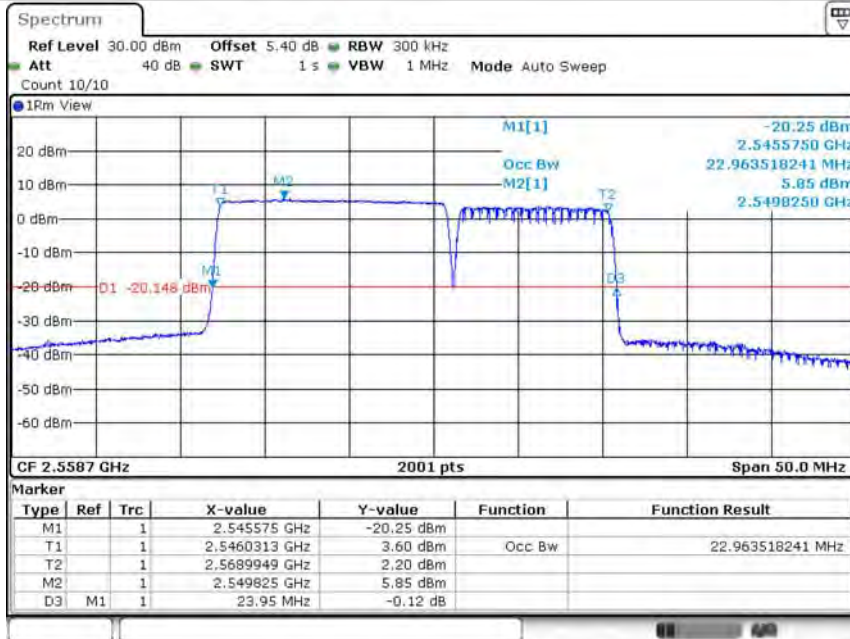
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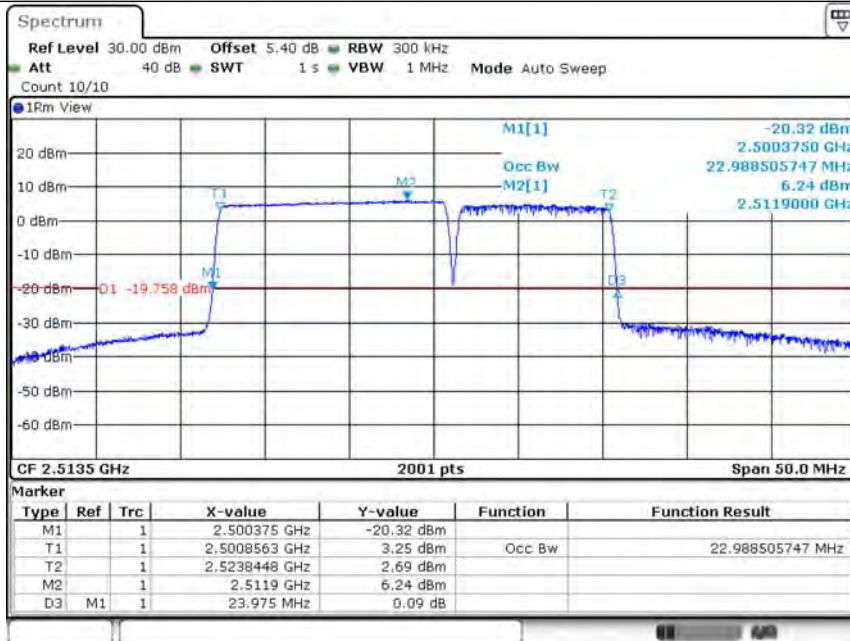


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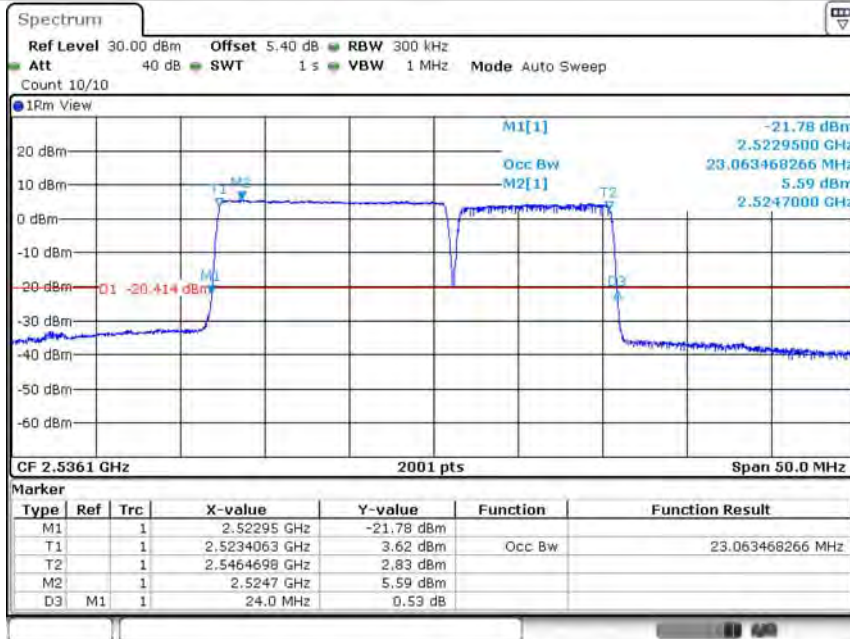
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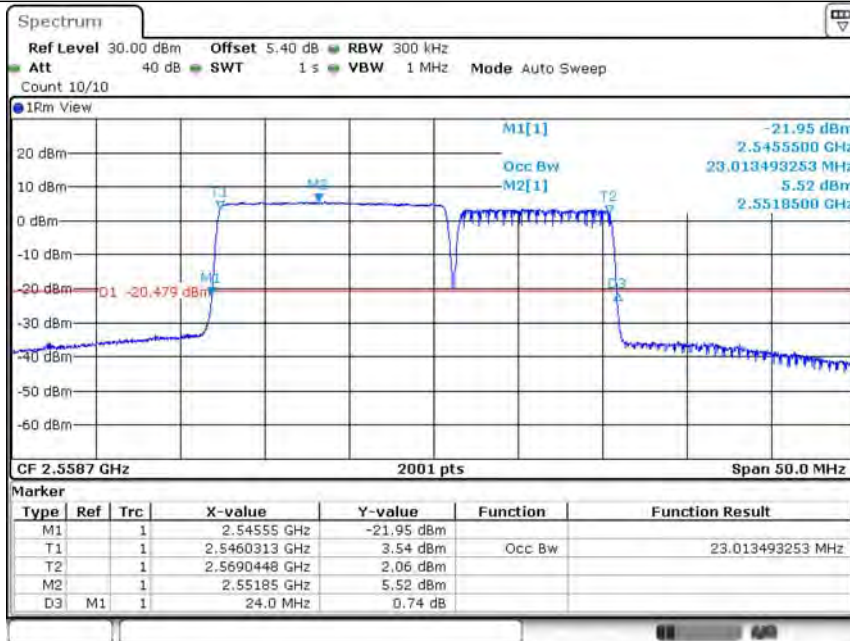


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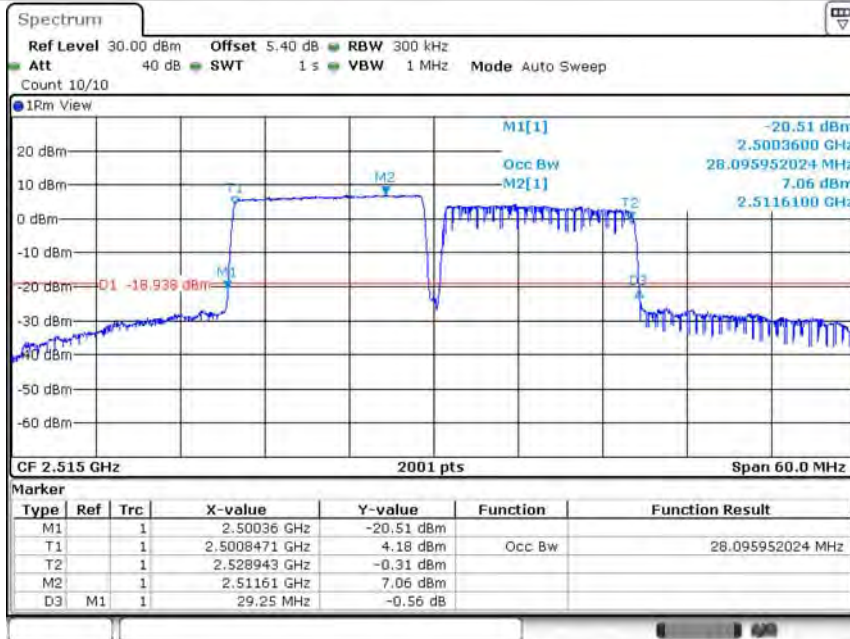
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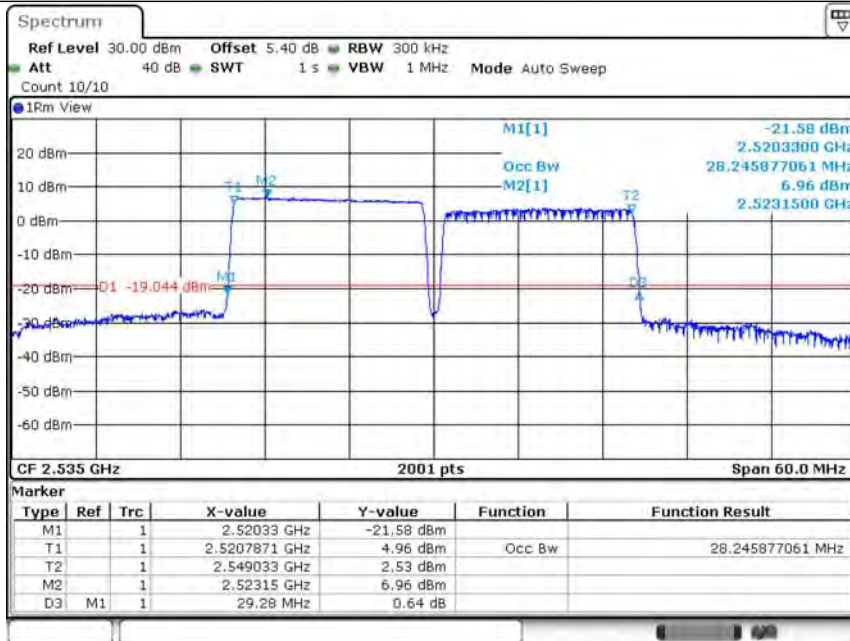


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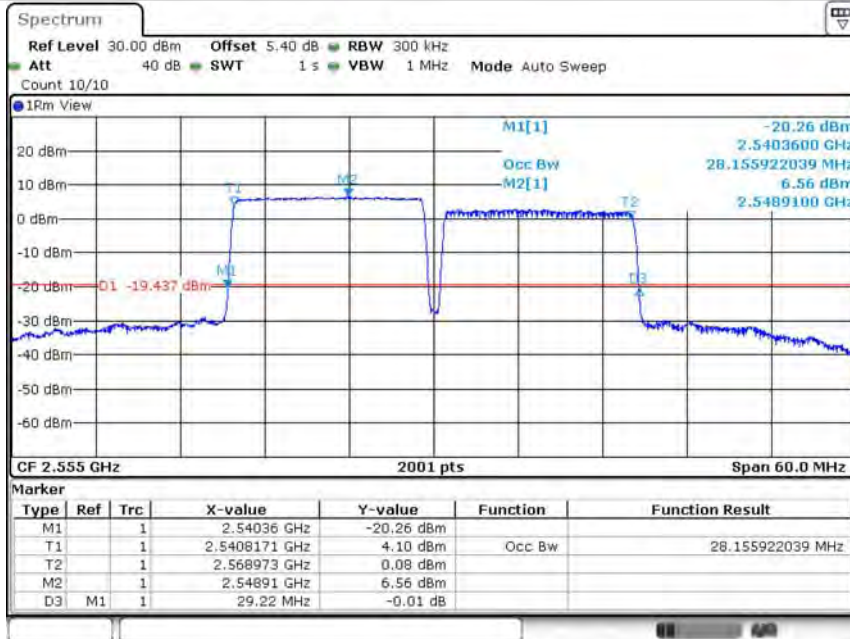
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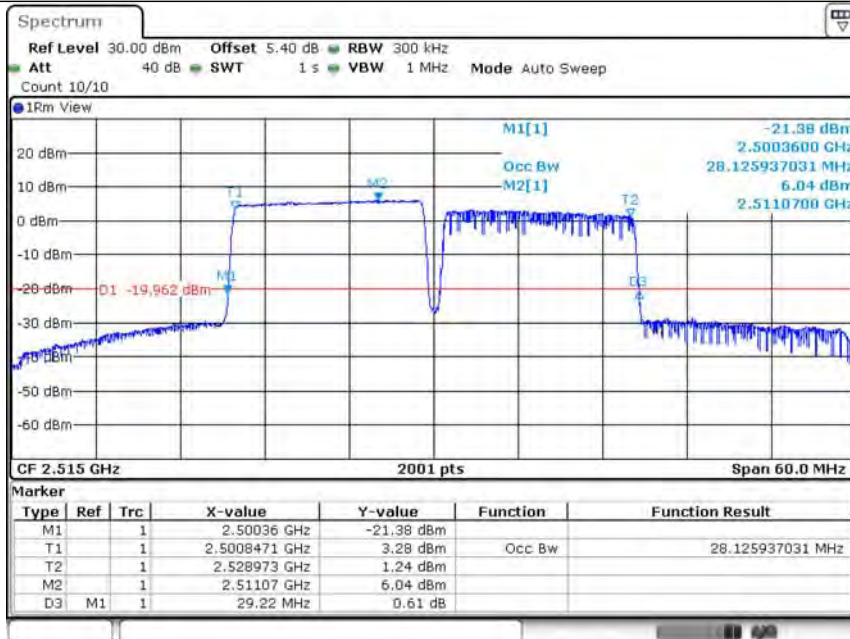


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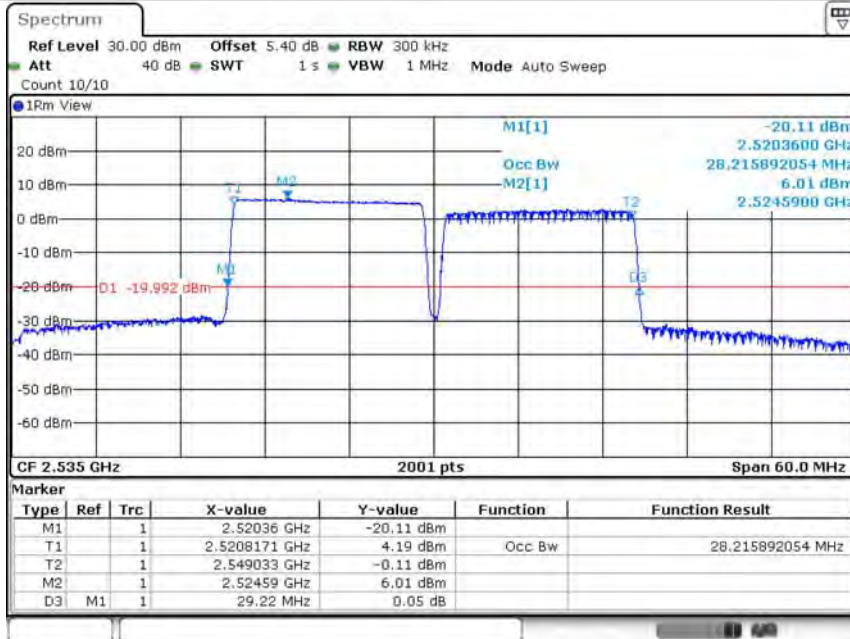
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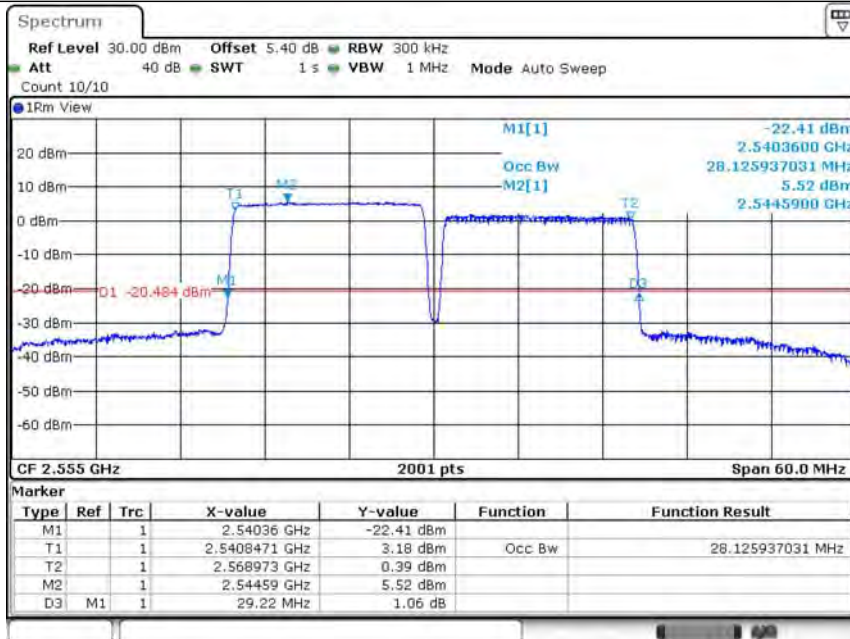


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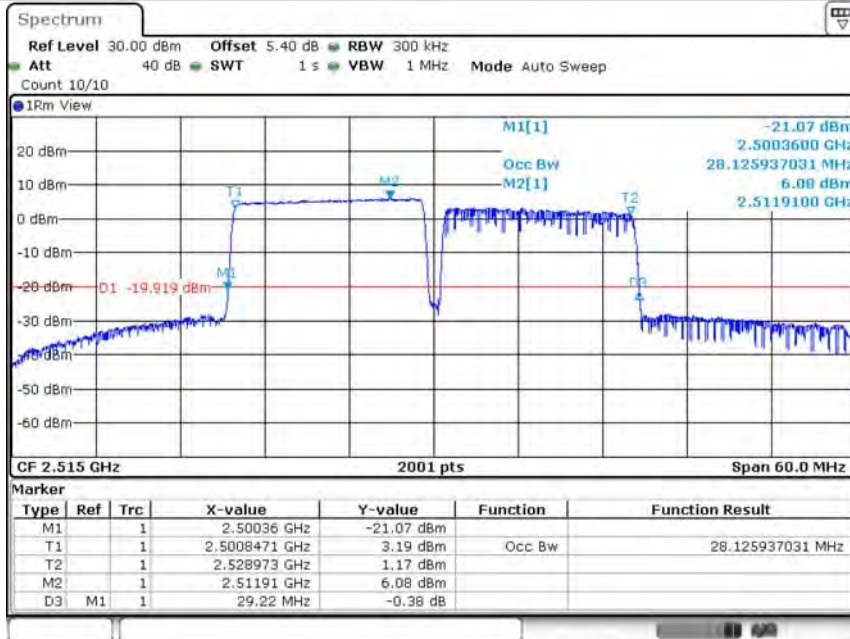
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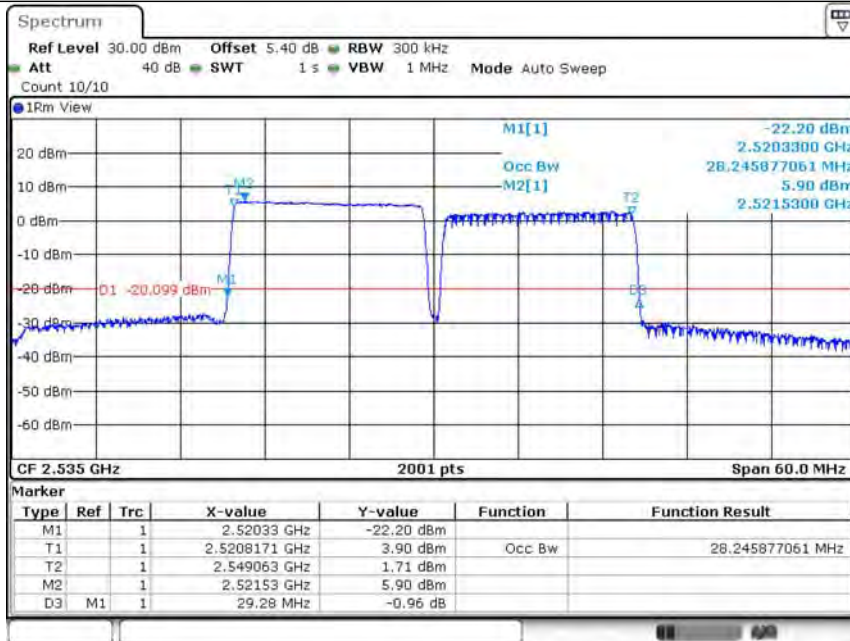


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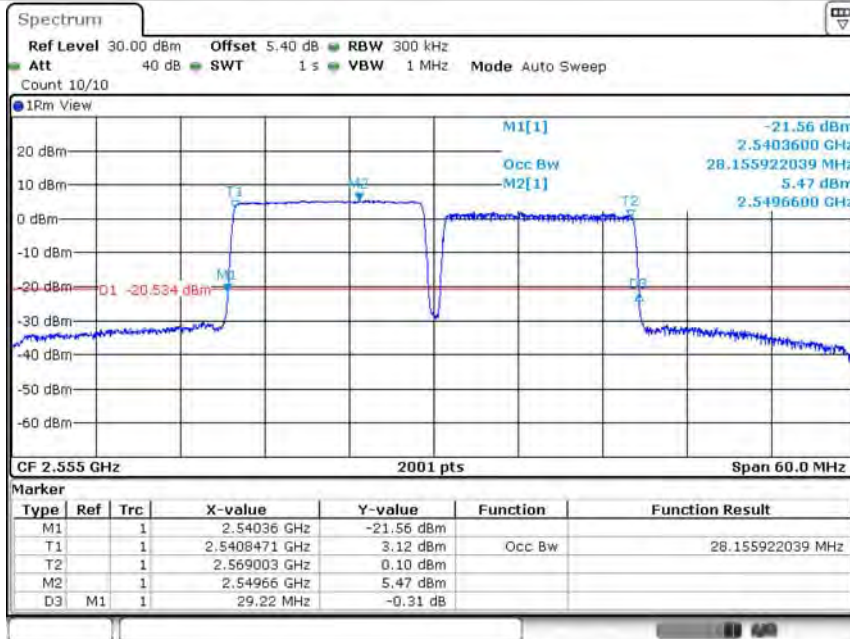
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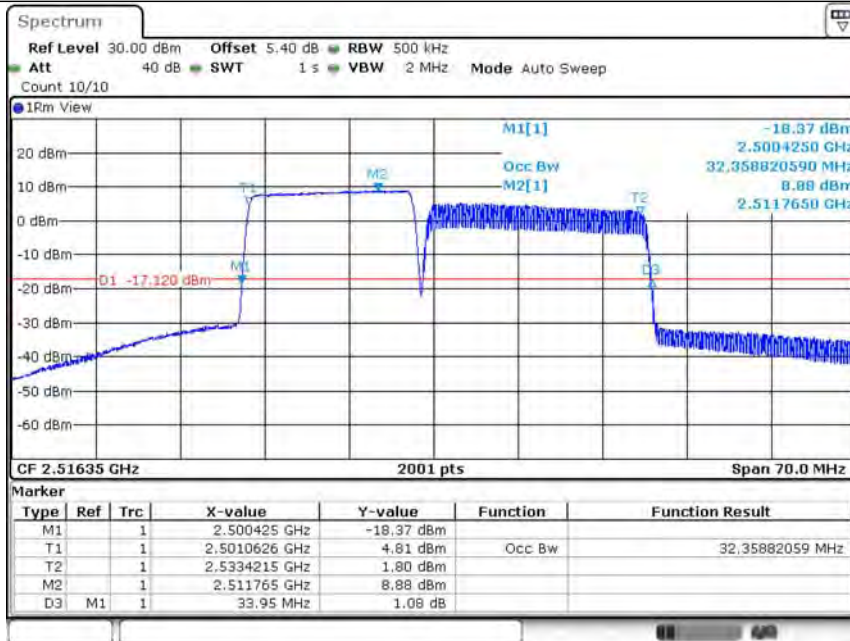


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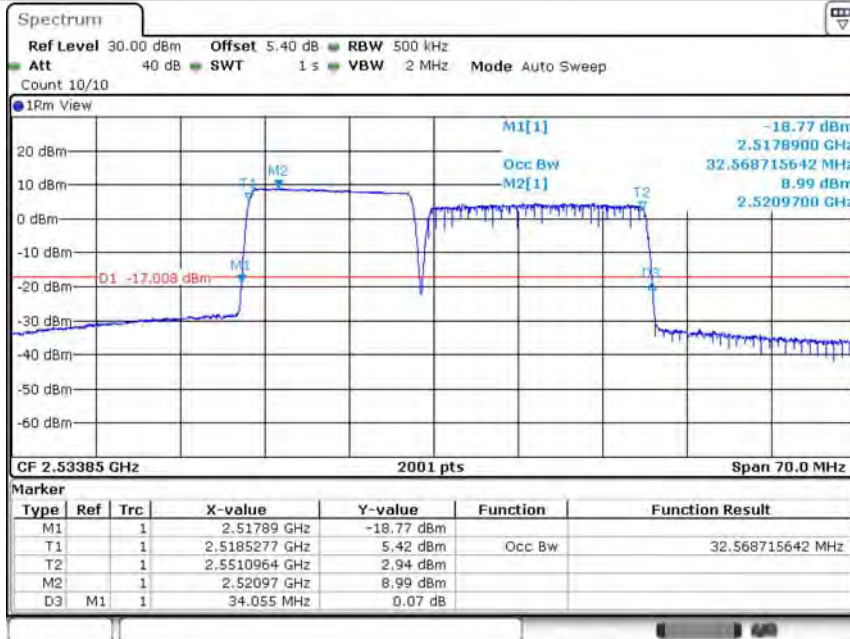
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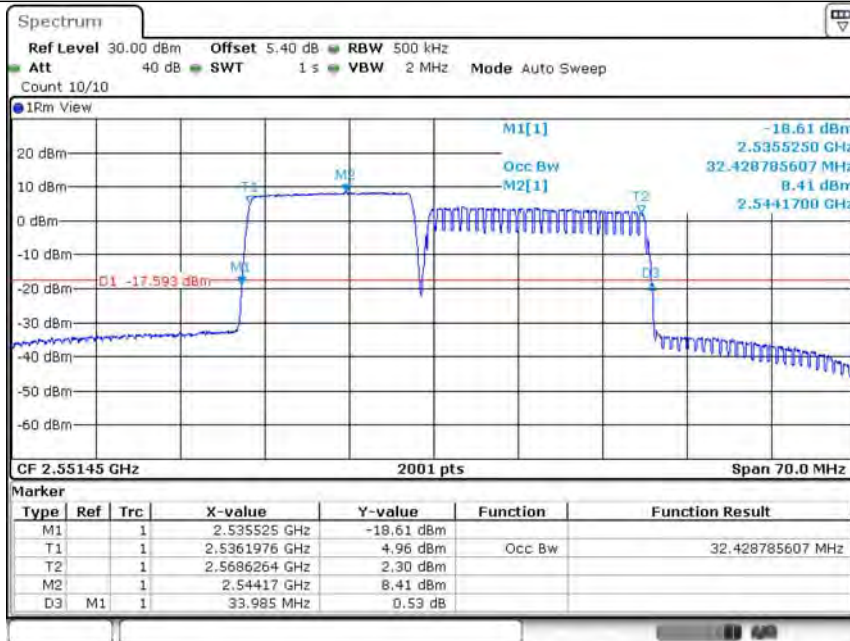


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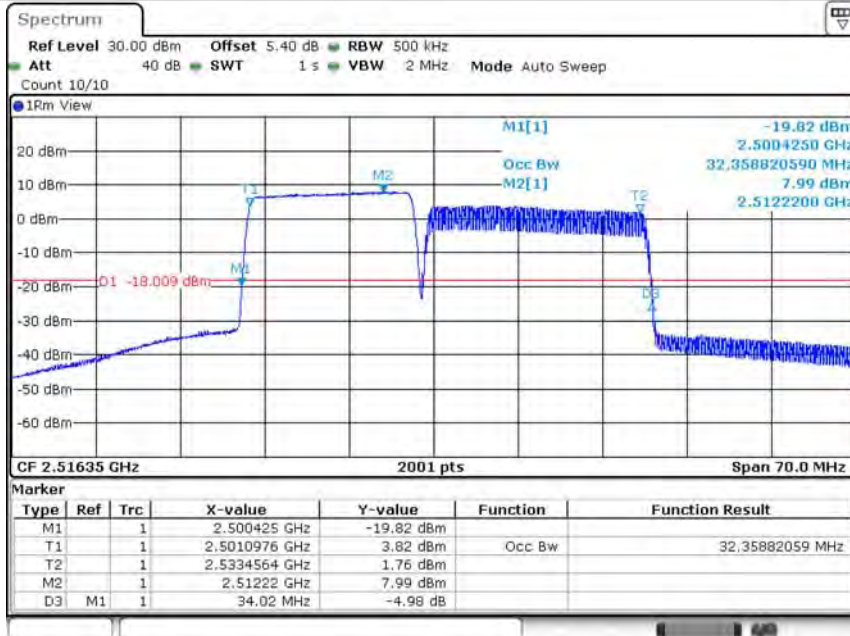
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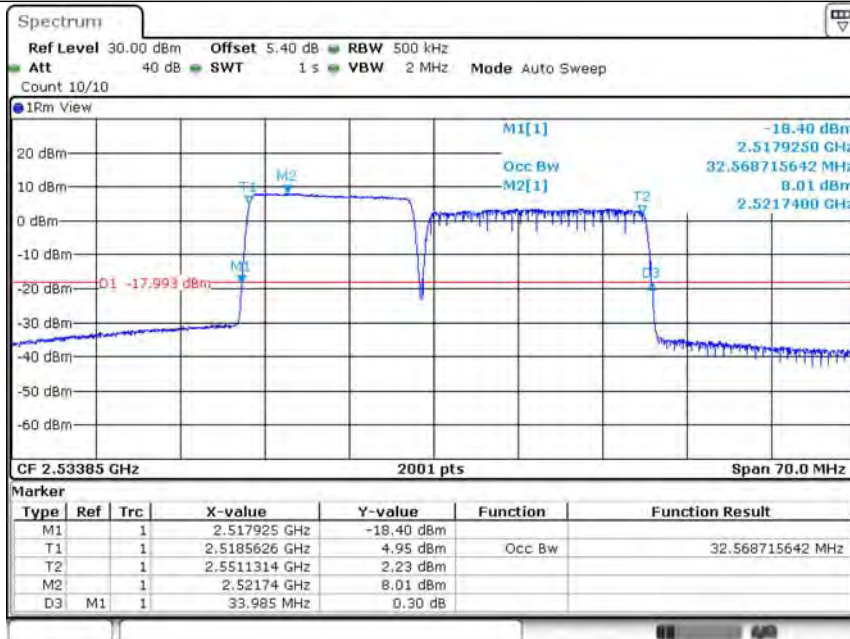


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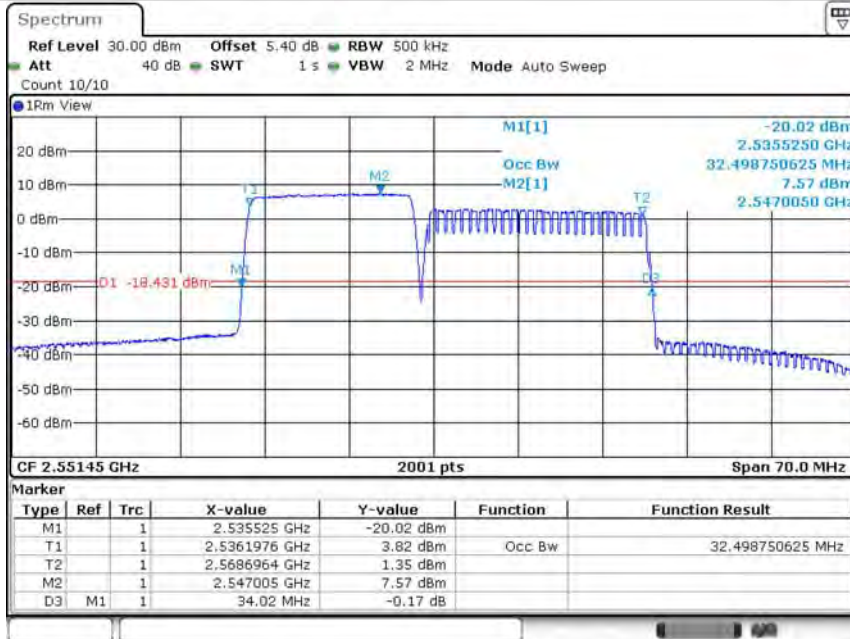
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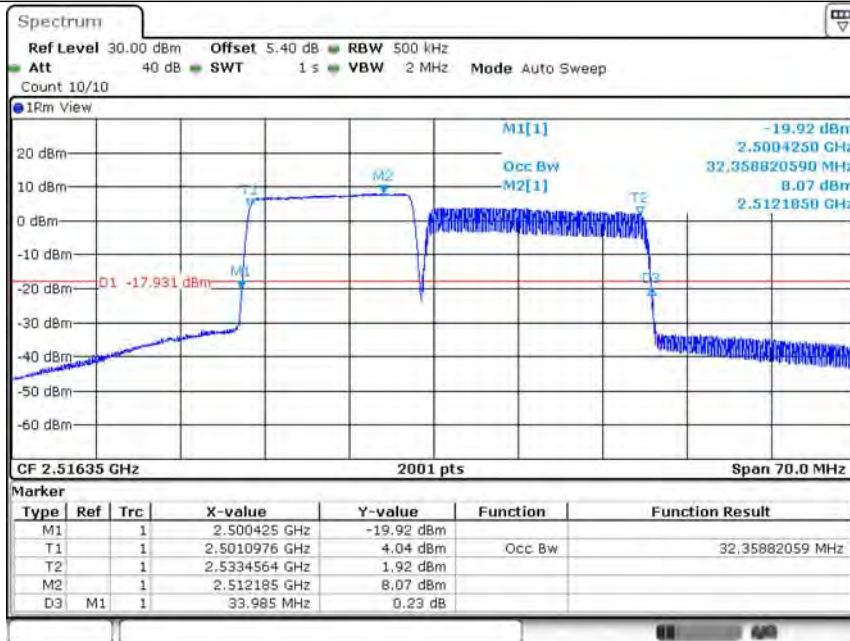


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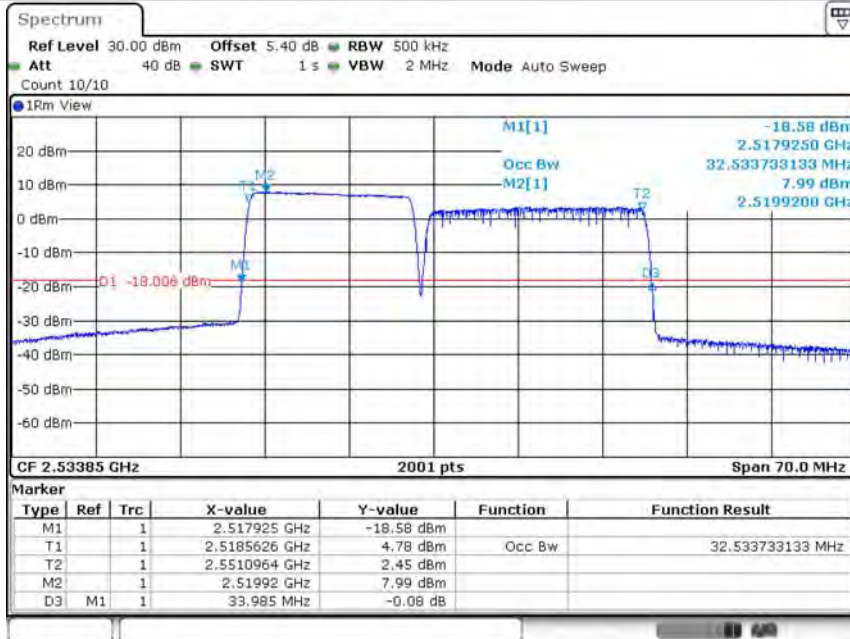
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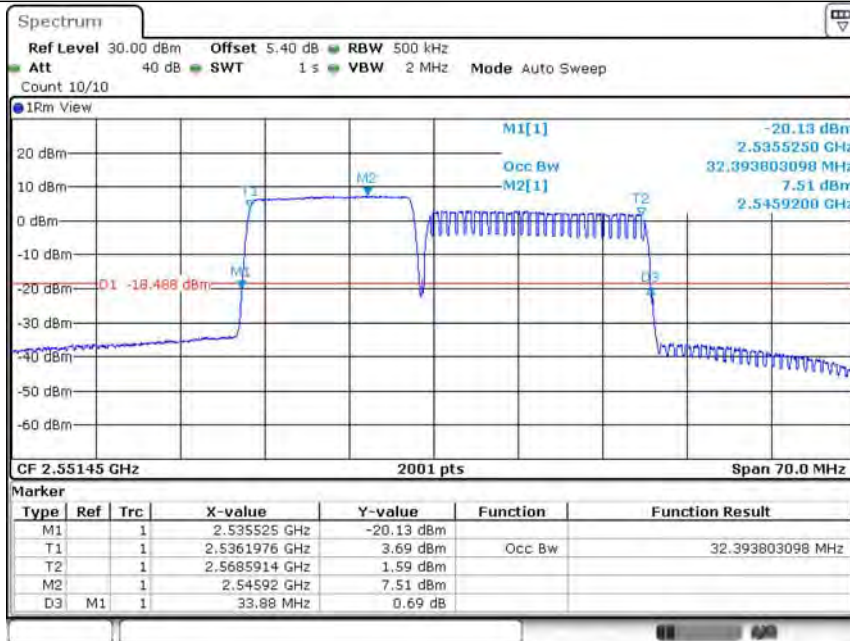


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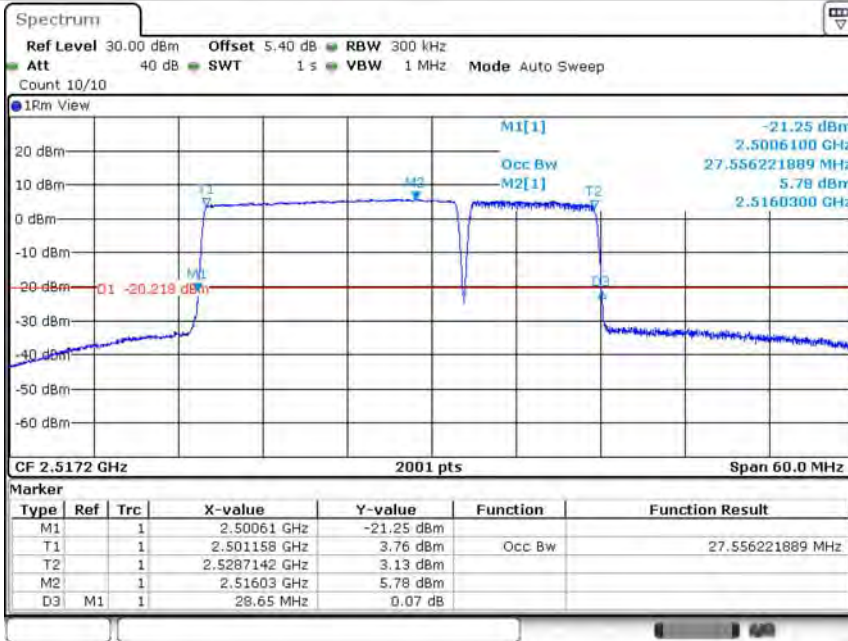
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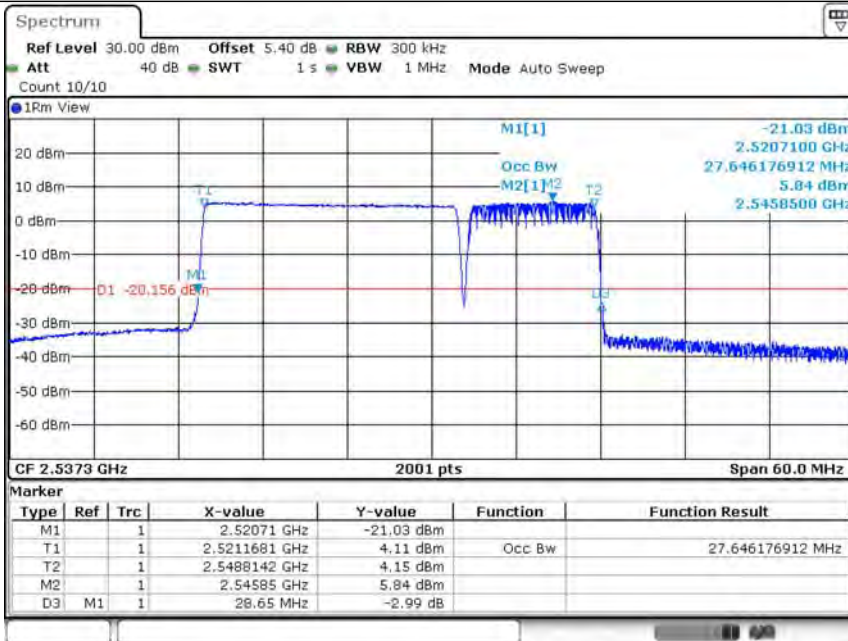


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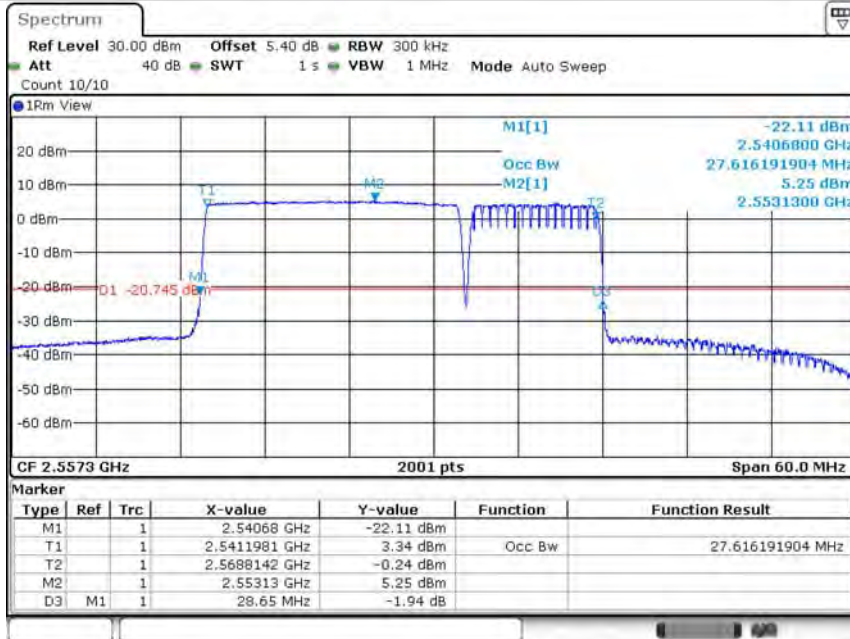
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Date: 22 JUL 2021 10:03:35



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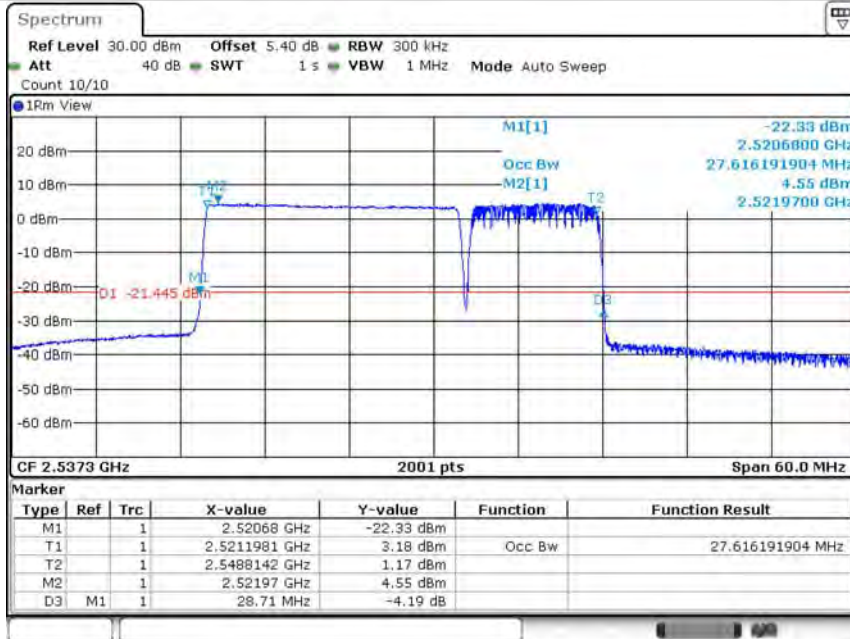
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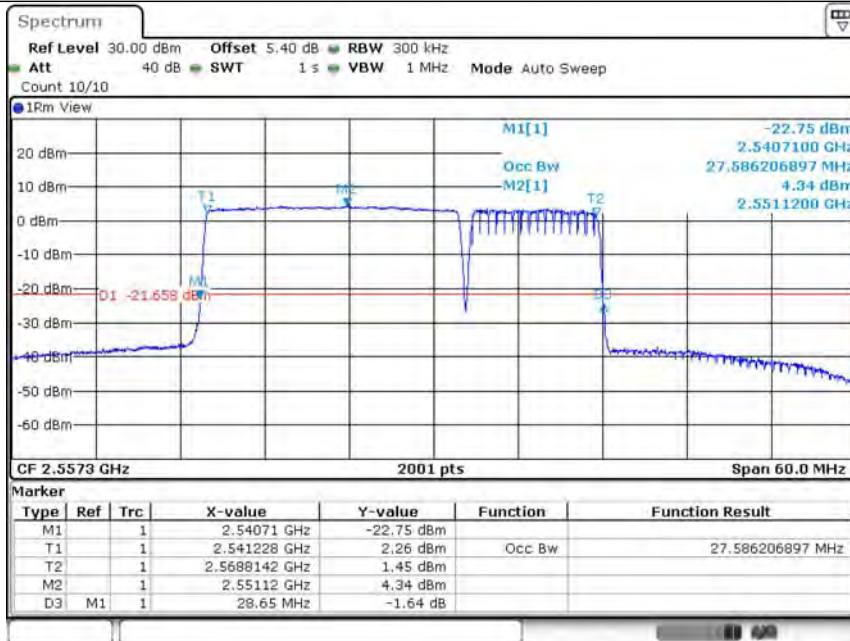


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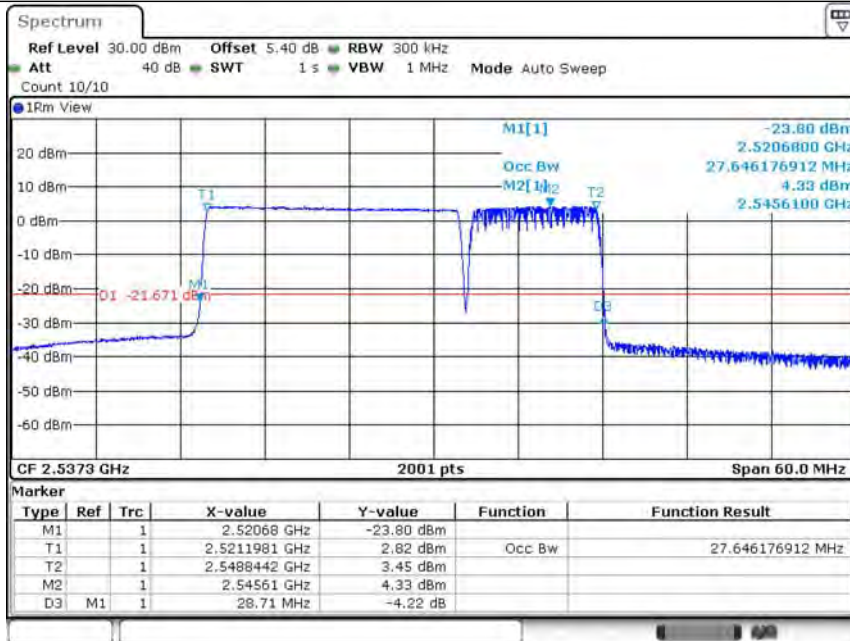


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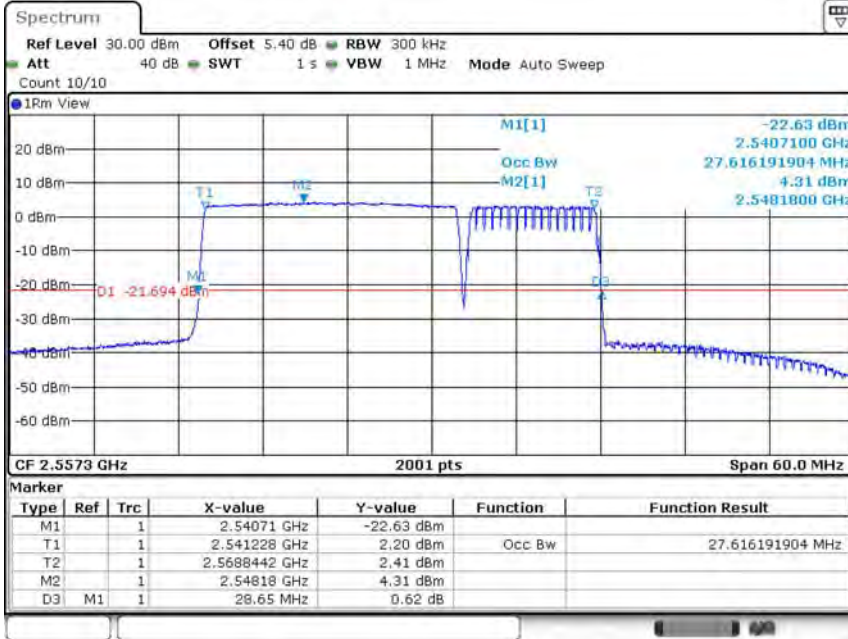
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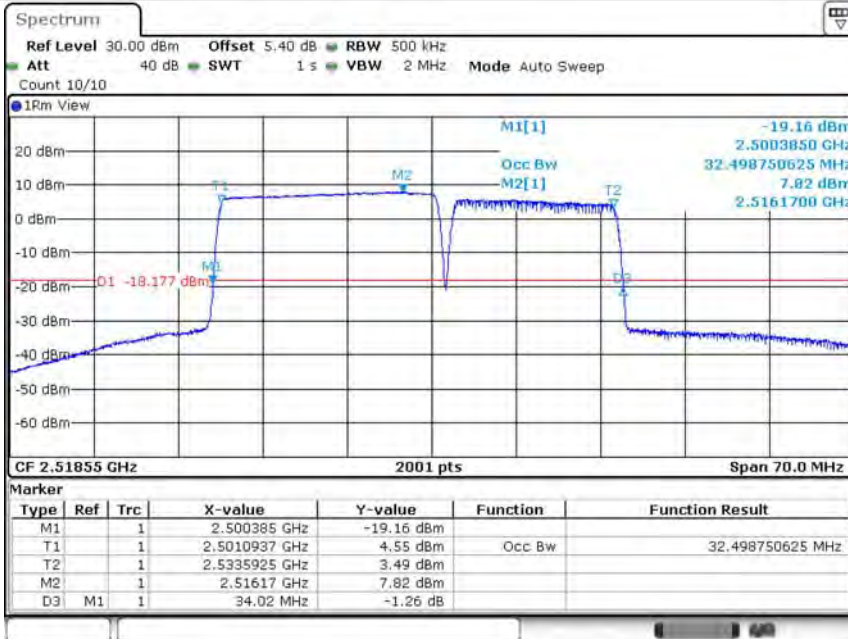


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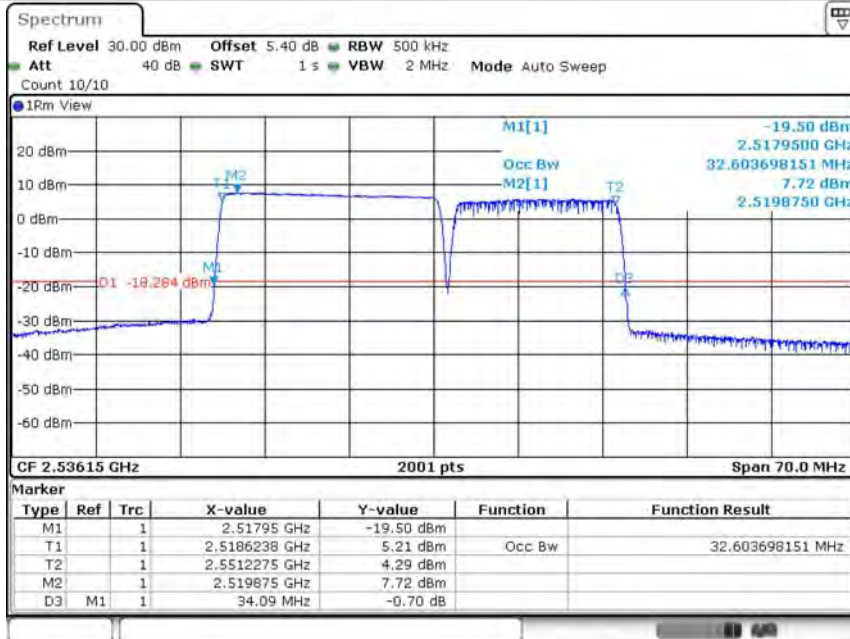
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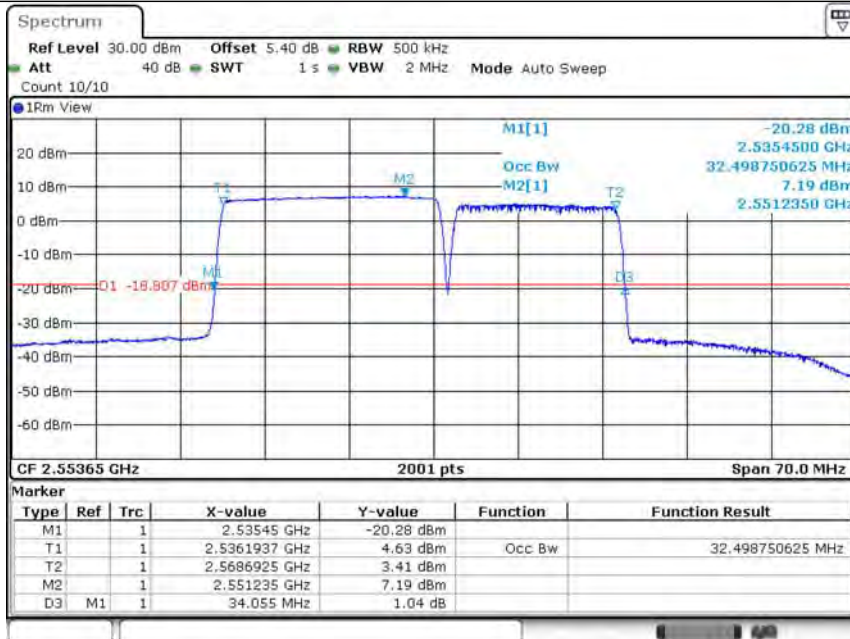


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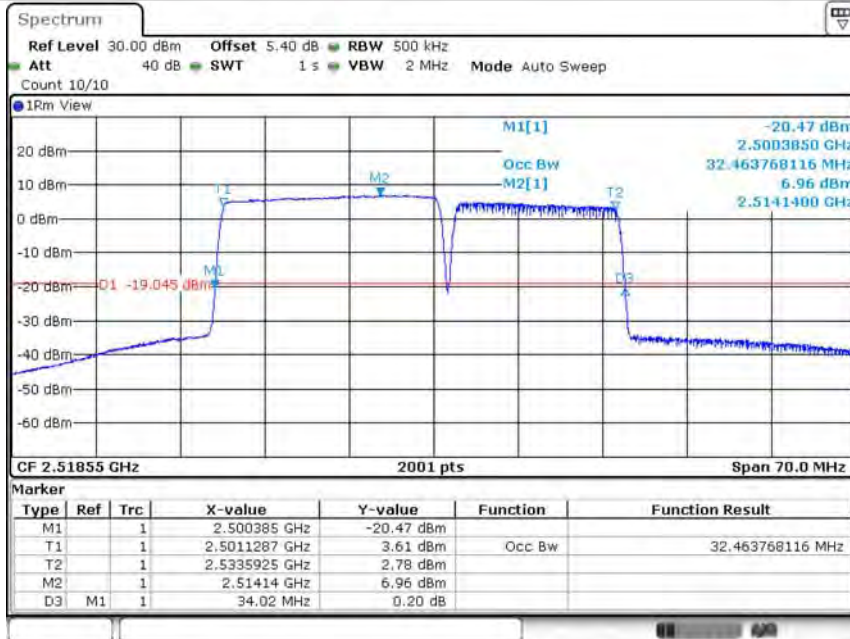
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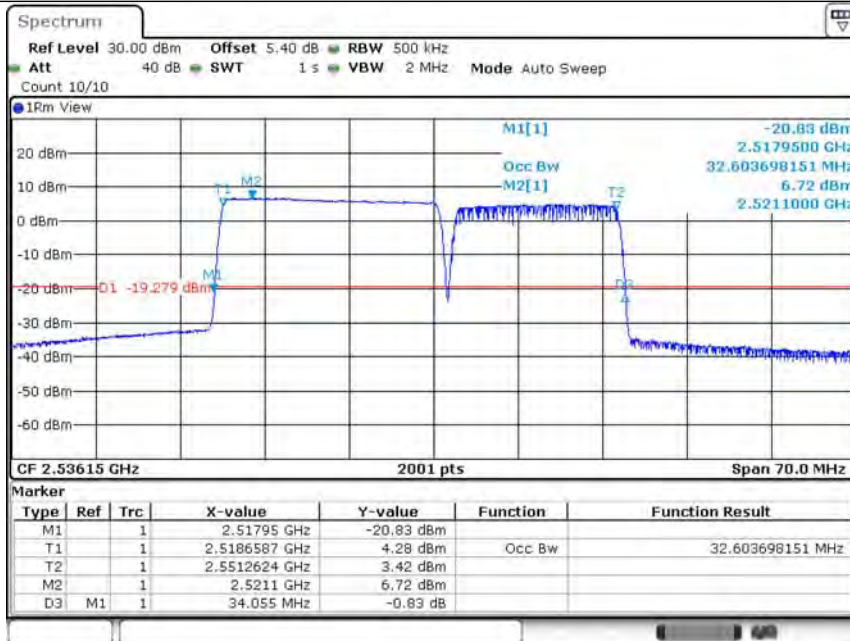


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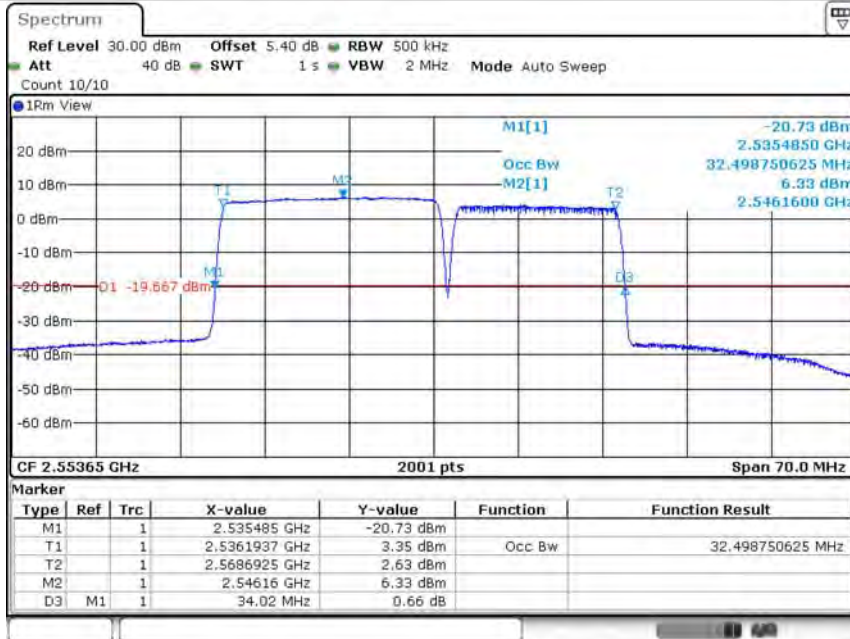
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Date: 22 JUL 2021 20:37:26

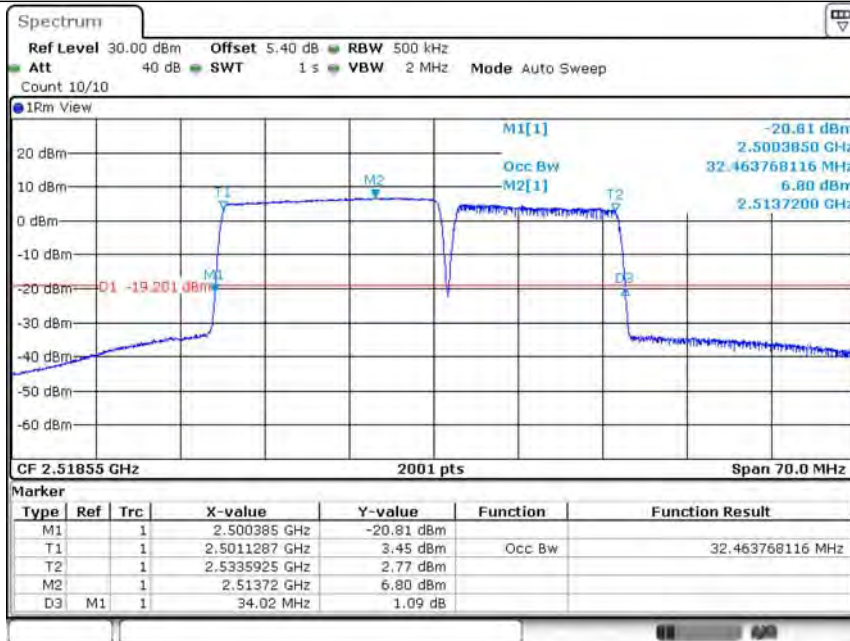


7-7-20MHz-15MHz-16QAM-16QAM-21201-21372-100RB#0-75RB#0



Date: 22 JUL 2021 20:38:36

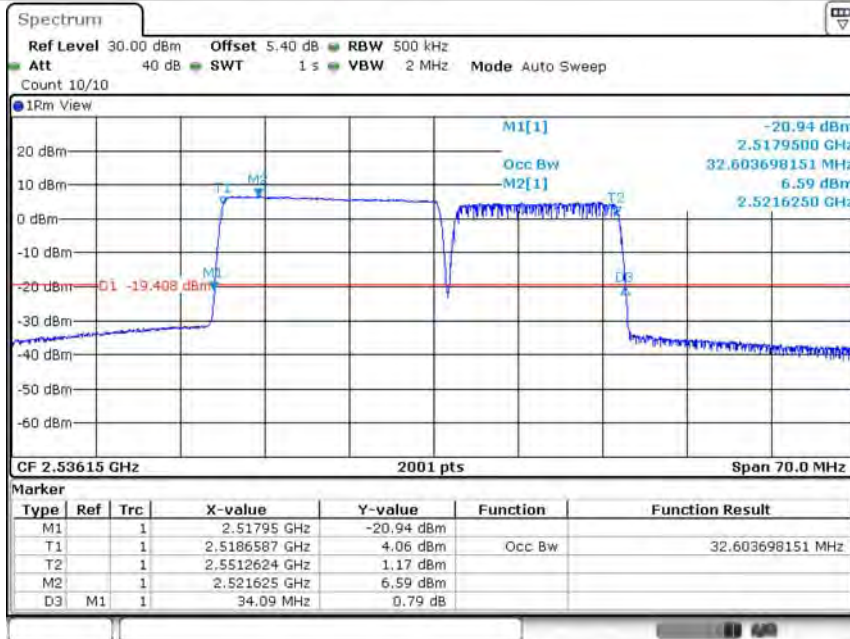
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Date: 22 JUL 2021 21:18:38

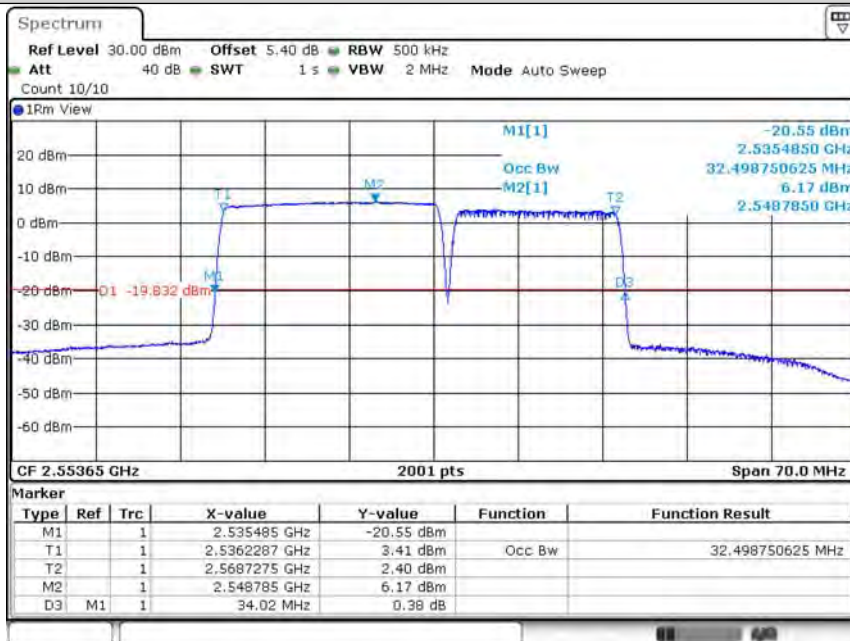


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Date: 22 JUL 2021 21:19:14

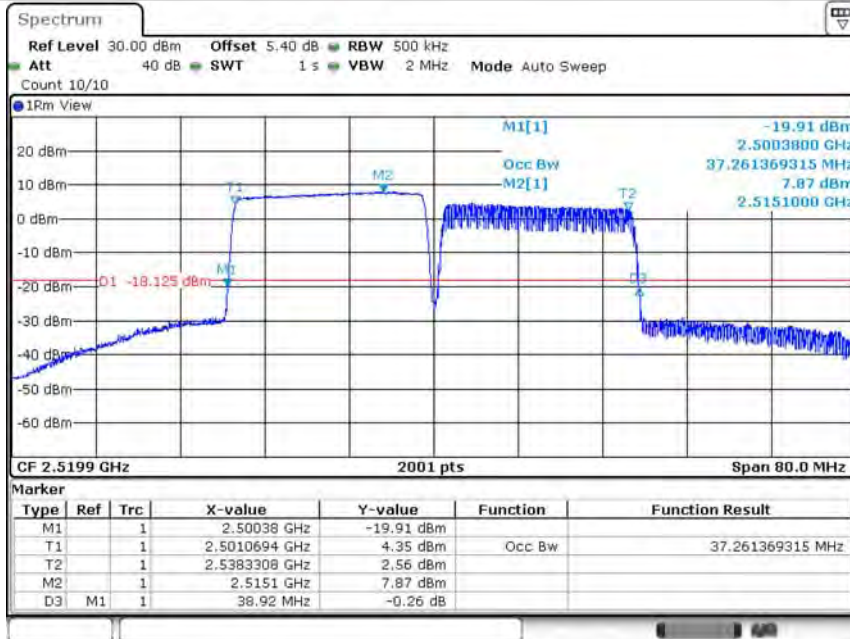
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Date: 22 JUL 2021 21:19:49

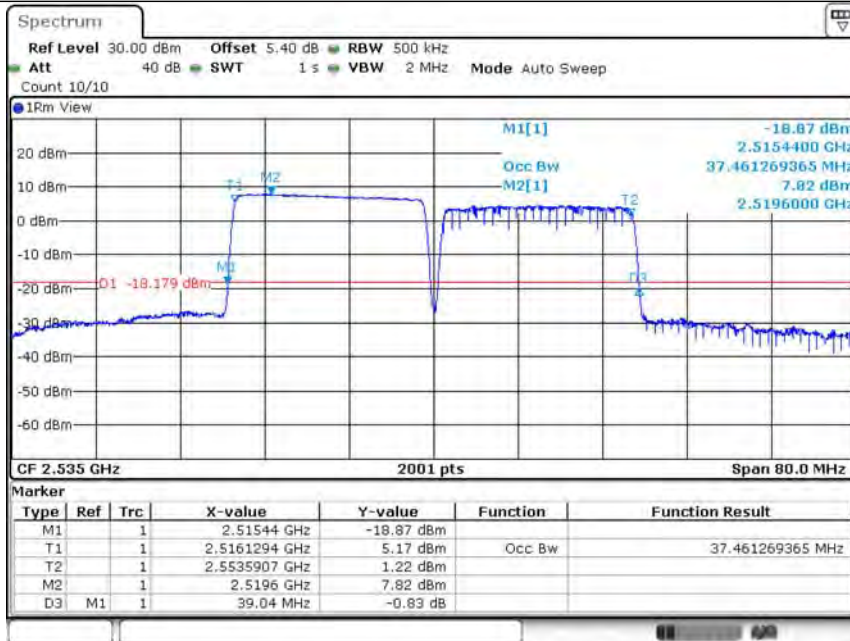


7-7-20MHz-20MHz-QPSK-QPSK-20850-21048-100RB#0-100RB#0



Date: 22 JUL 2021 20:39:25

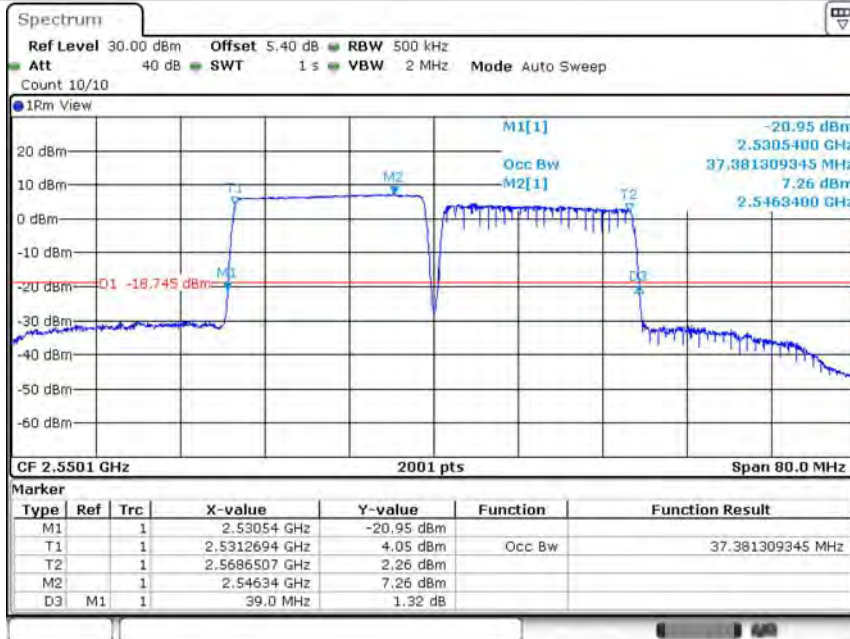
7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-100RB#0-100RB#0



Date: 22 JUL 2021 20:40:35

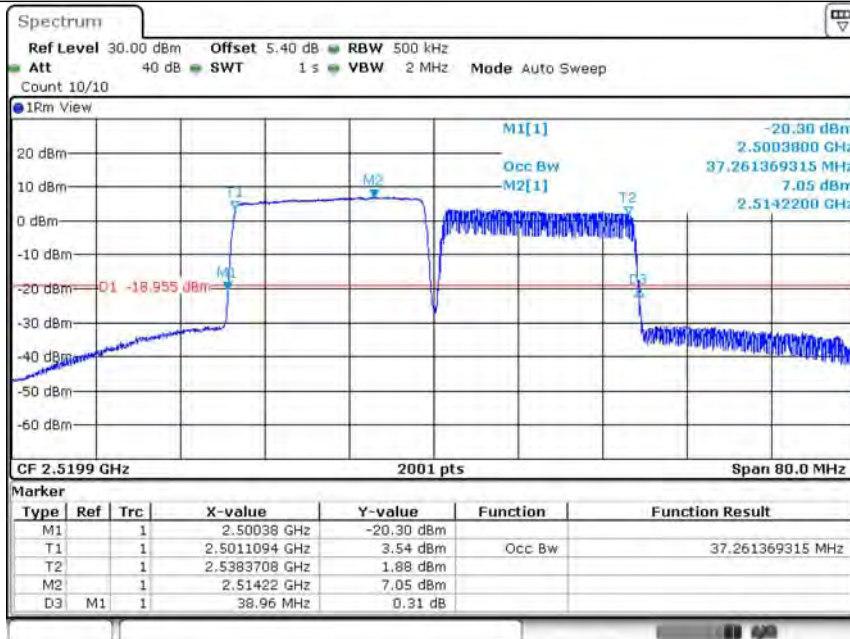


7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-100RB#0-100RB#0



Date: 22 JUL 2021 20:41:45

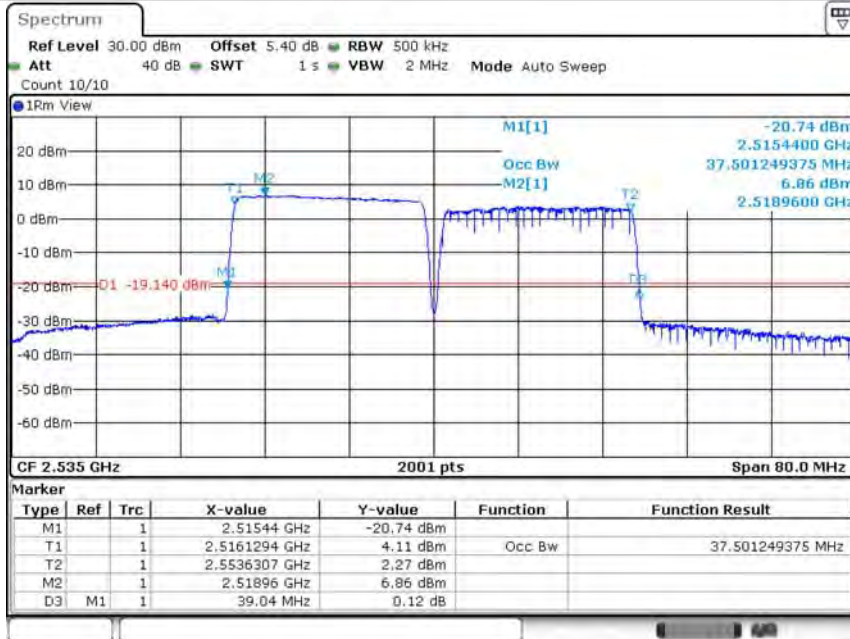
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Date: 22 JUL 2021 20:40:00

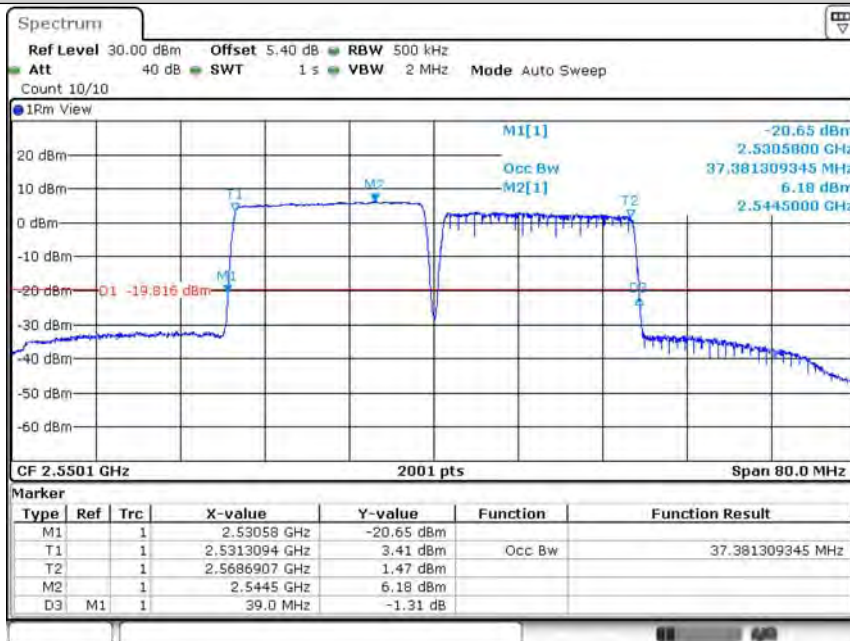


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Date: 22 JUL 2021 20:41:10

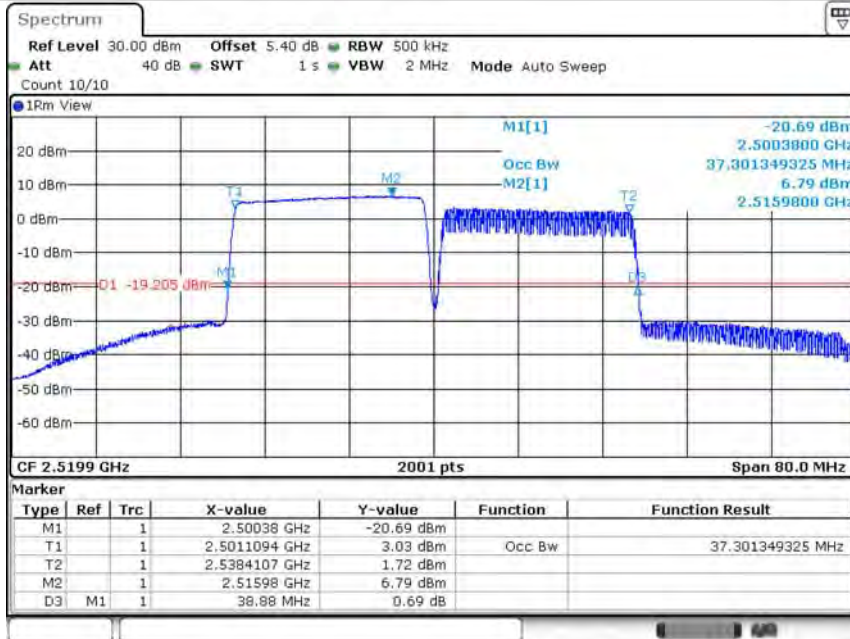
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Date: 22 JUL 2021 20:42:19

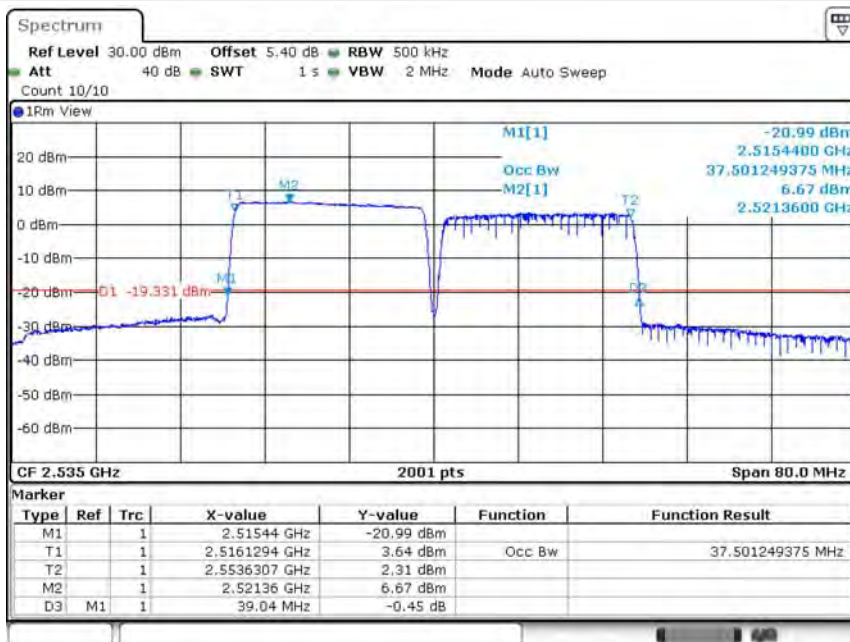


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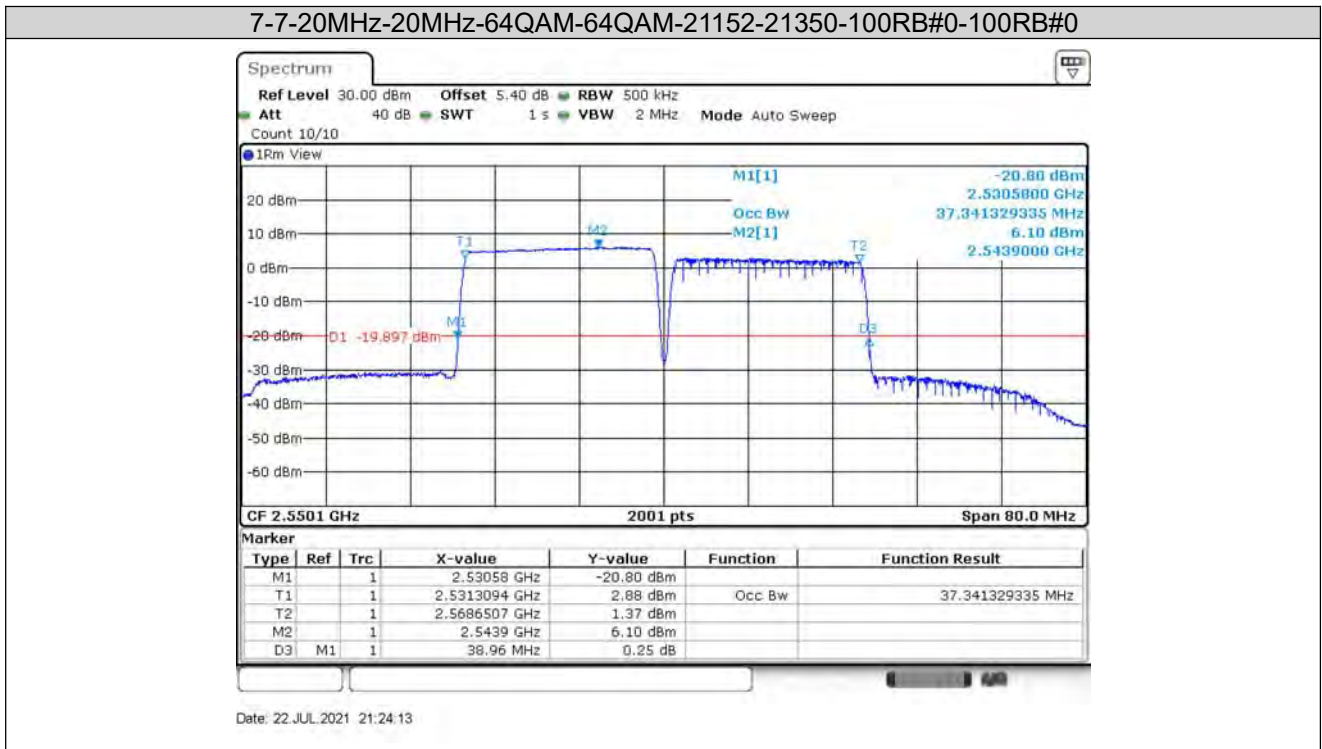
Date: 22 JUL 2021 21:23:03

7-7-20MHz-20MHz-64QAM-64QAM-21001-21199-100RB#0-100RB#0

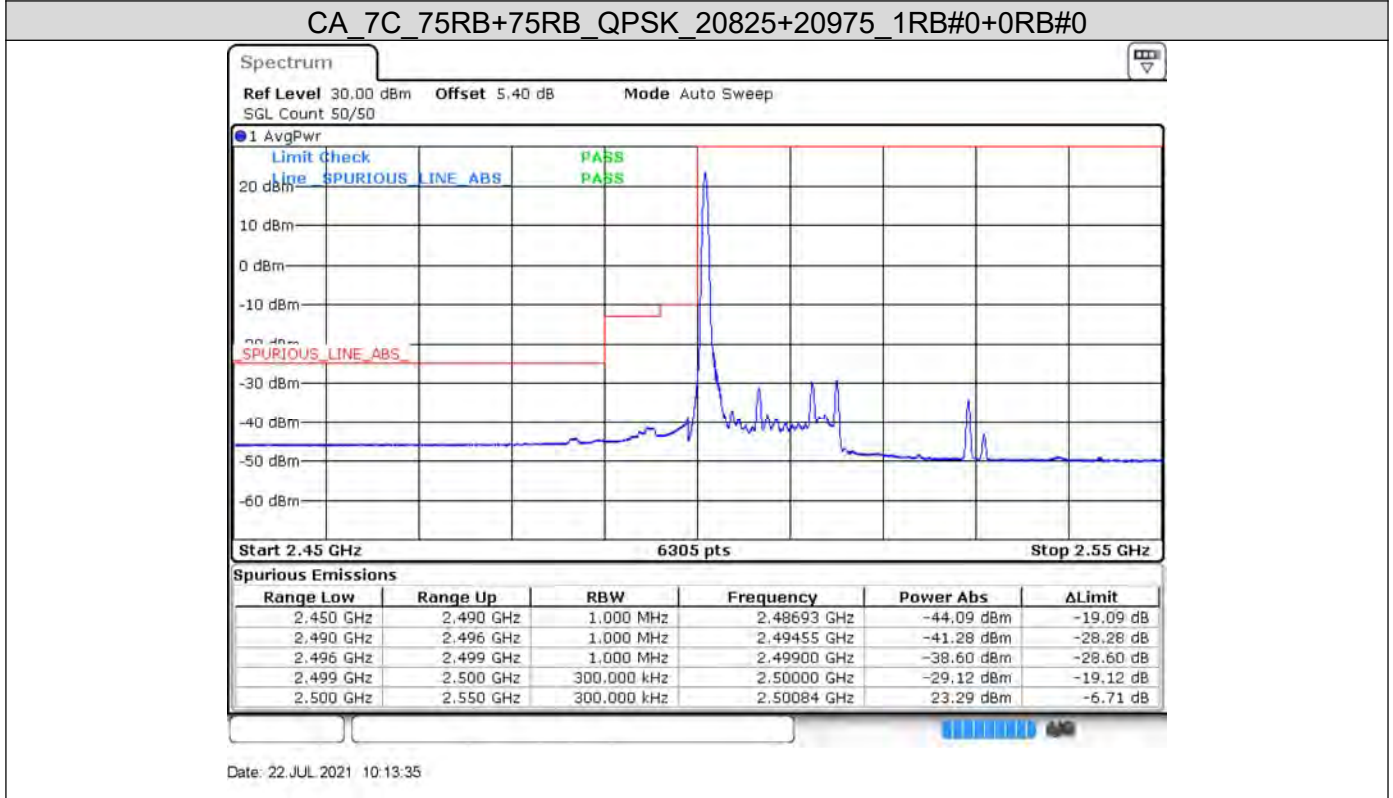


Date: 22 JUL 2021 21:23:38



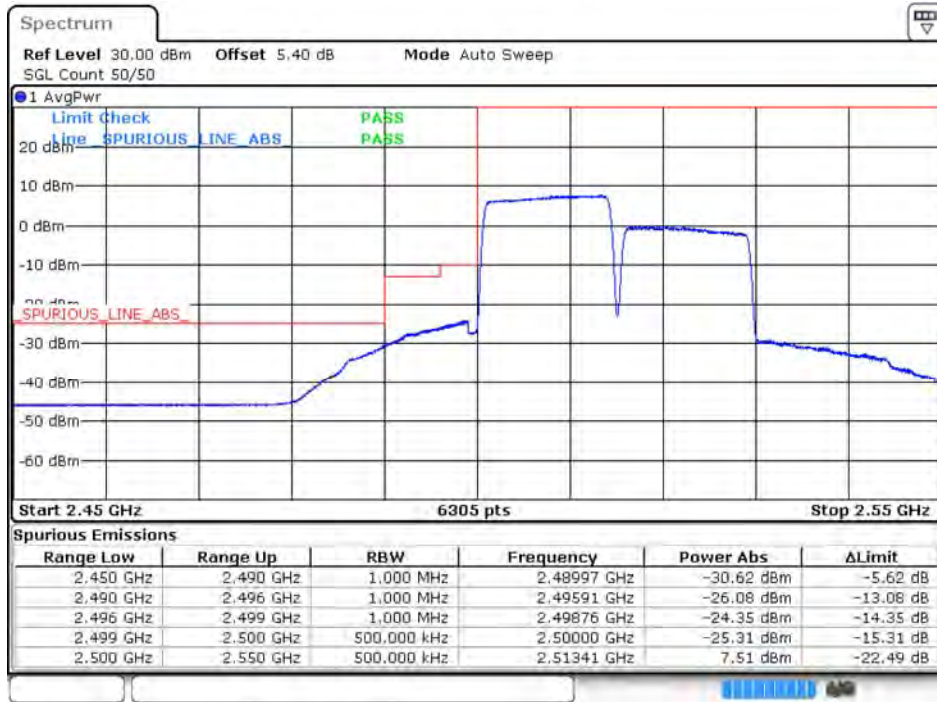


Band Edge Test Graphs



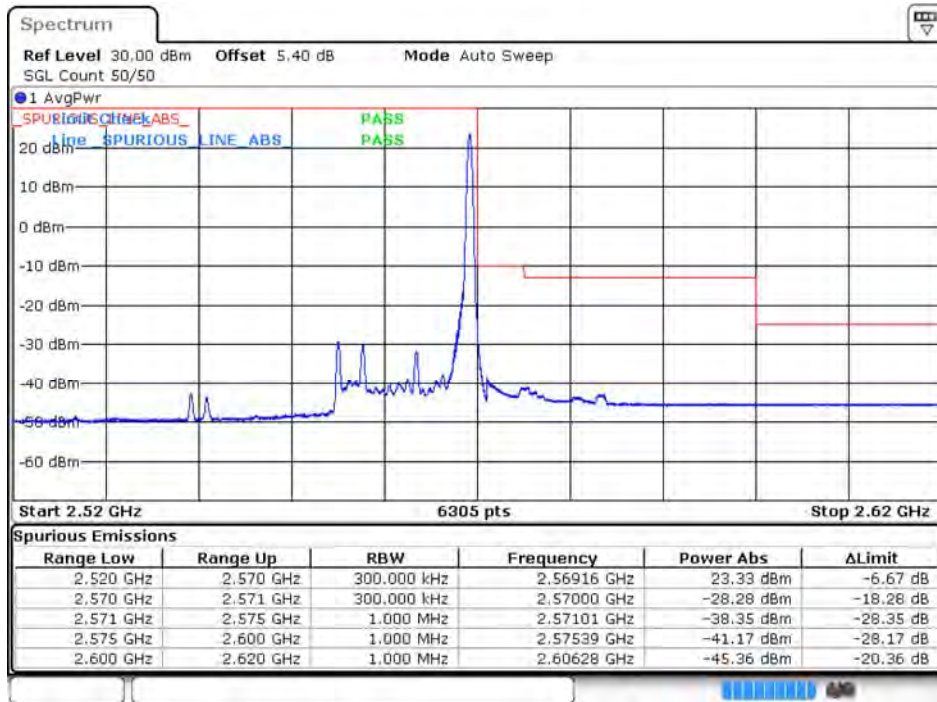
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CA_7C_75RB+75RB_QPSK_20825+20975_75RB#0+75RB#0



Date: 22 JUL 2021 10:14:07

CA_7C_75RB+75RB_QPSK_21225+21375_0RB#0+1RB#74



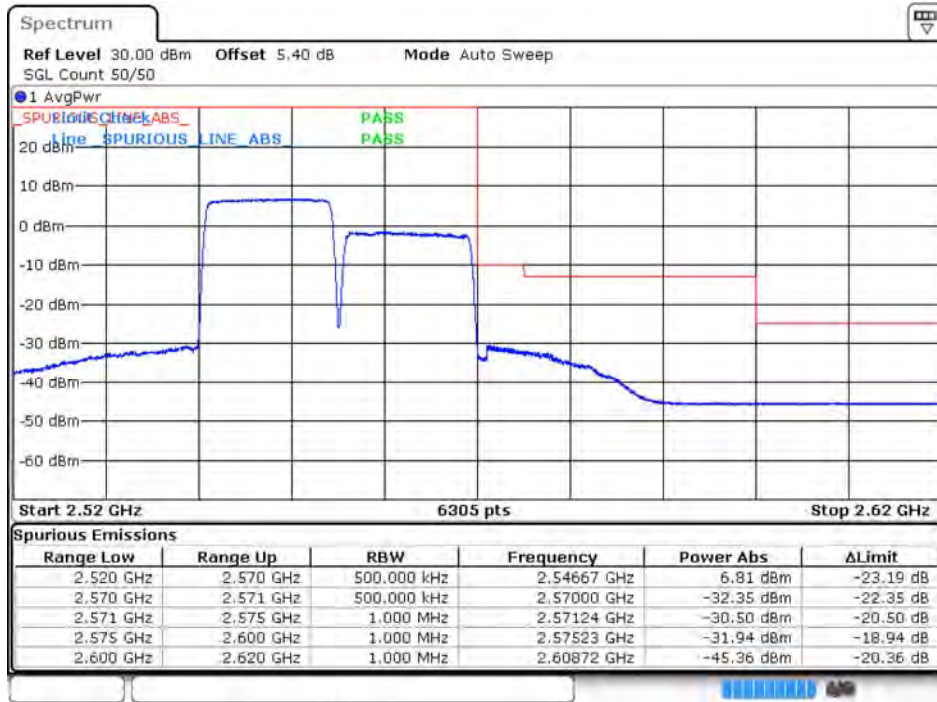
Date: 22 JUL 2021 10:23:34



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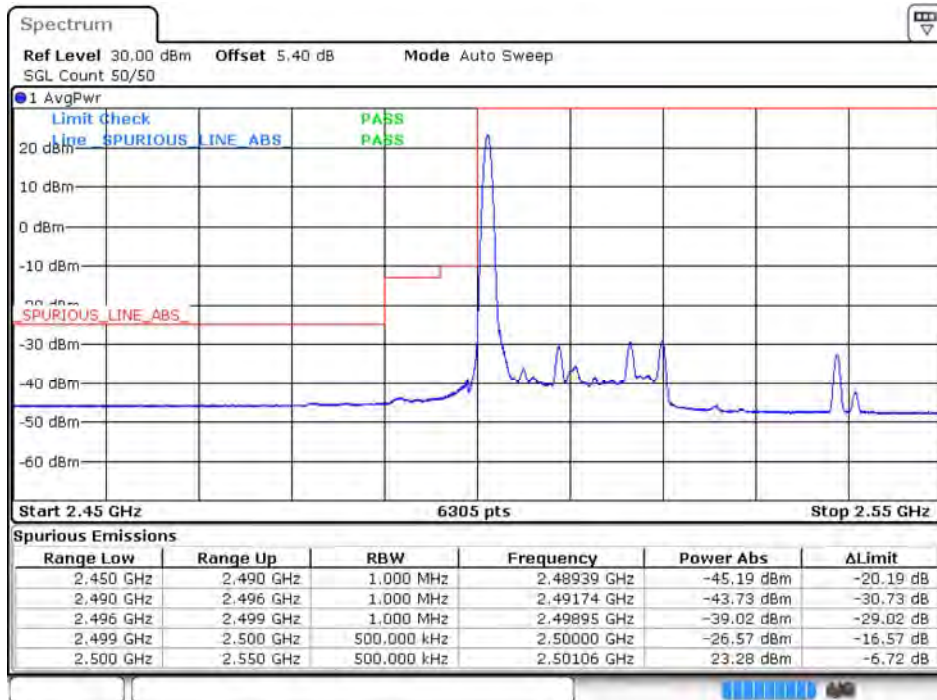
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CA_7C_75RB+75RB_QPSK_21225+21375_75RB#0+75RB#0



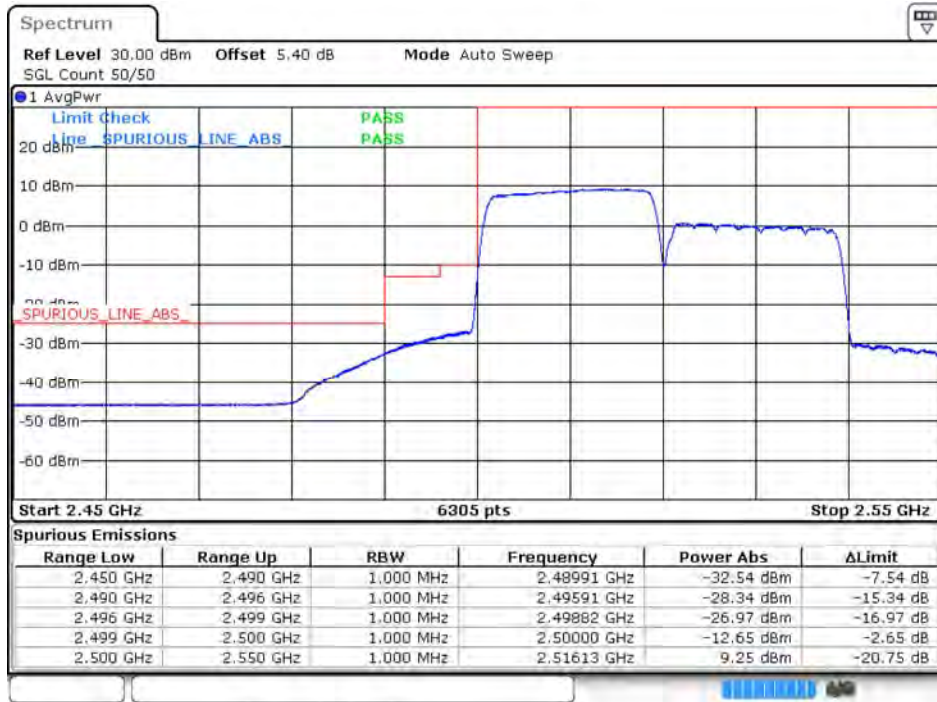
Date: 22 JUL 2021 10:24:14

CA_7C_100RB+100RB_QPSK_20850+21048_1RB#0+0RB#0



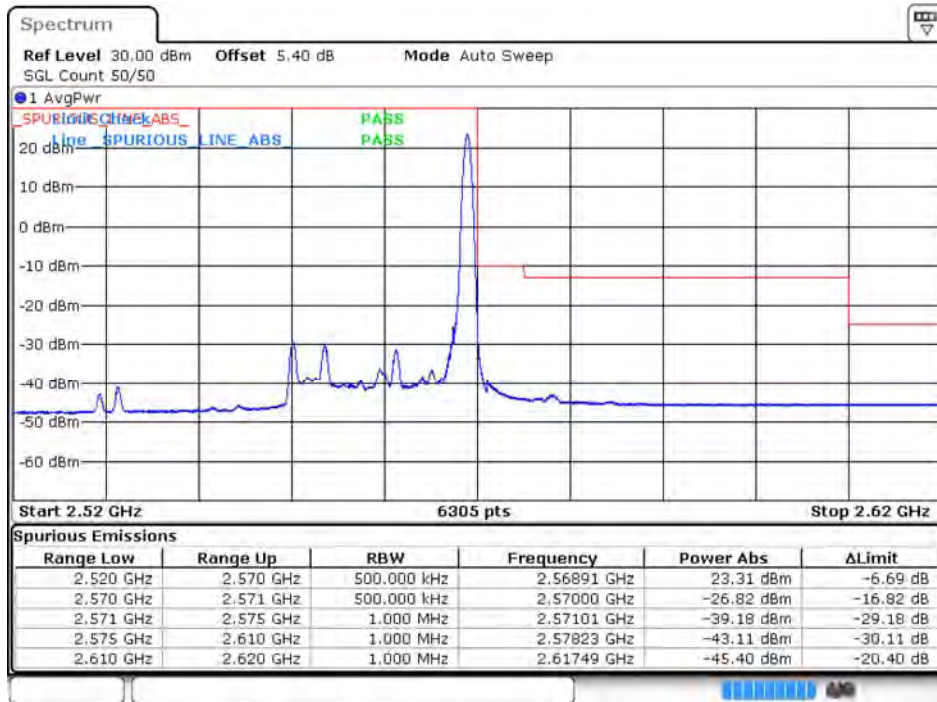
Date: 22 JUL 2021 10:25:55

CA_7C_100RB+100RB_QPSK_20850+21048_100RB#0+100RB#0



Date: 22 JUL 2021 10:26:28

CA_7C_100RB+100RB_QPSK_21152+21350_0RB#0+1RB#99



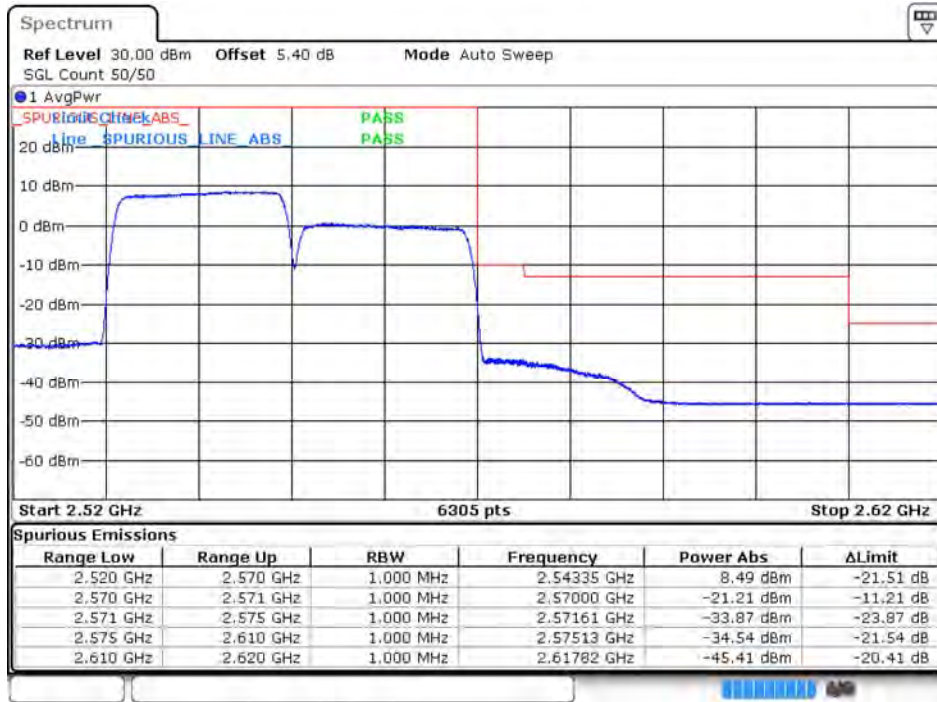
Date: 22 JUL 2021 10:26:48



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CA_7C_100RB+100RB_QPSK_21152+21350_100RB#0+100RB#0



Date: 22 JUL 2021 10:27:24



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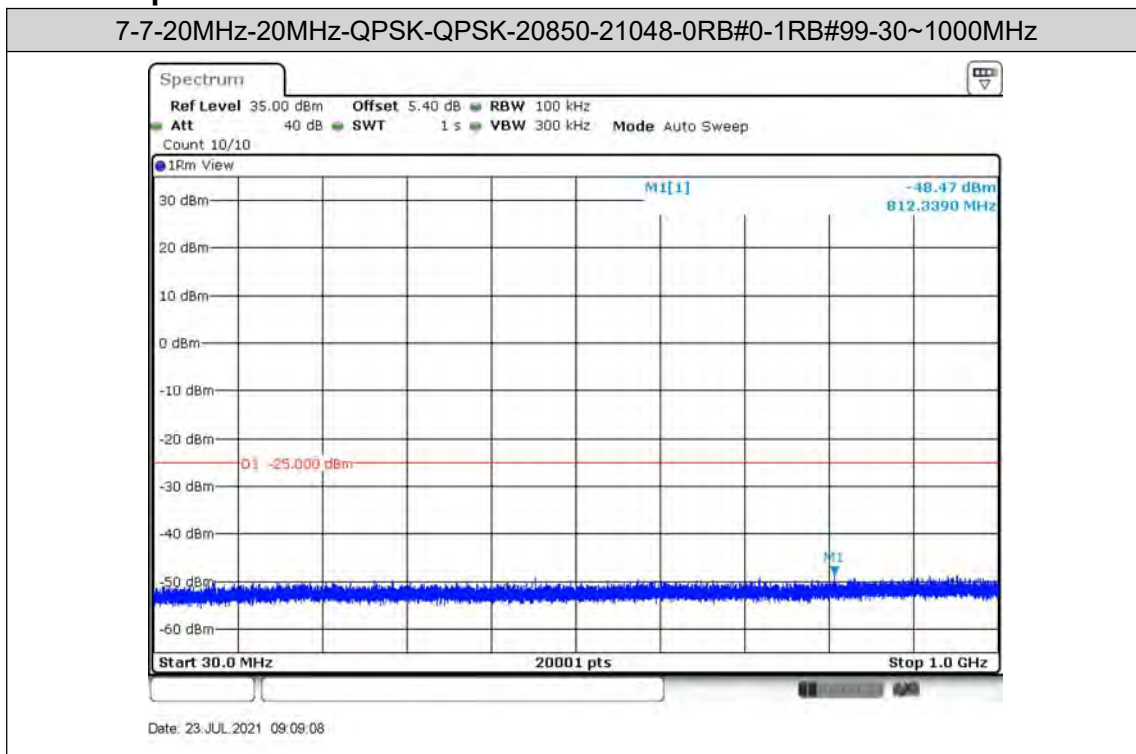
Conducted Spurious Emission

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.

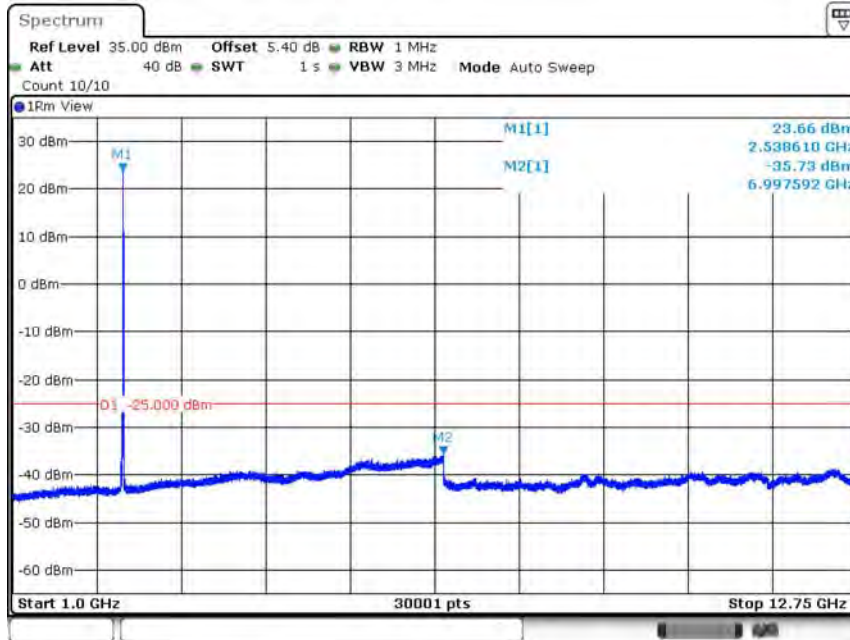
Remark3: The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed

Test Graphs



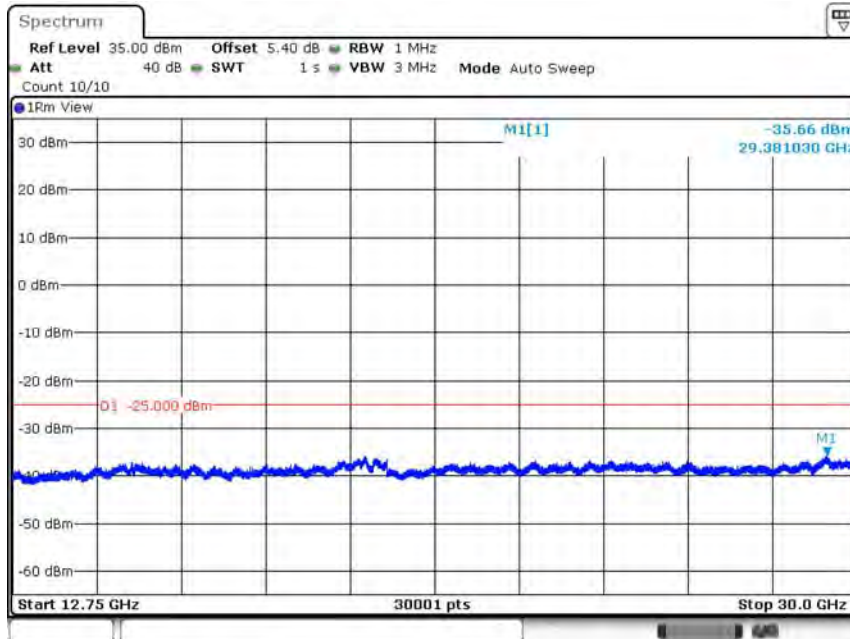
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7-7-20MHz-20MHz-QPSK-QPSK-20850-21048-0RB#0-1RB#99-1000~12750MHz



Date: 23 JUL 2021 09:09:24

7-7-20MHz-20MHz-QPSK-QPSK-20850-21048-0RB#0-1RB#99-12750~30000MHz



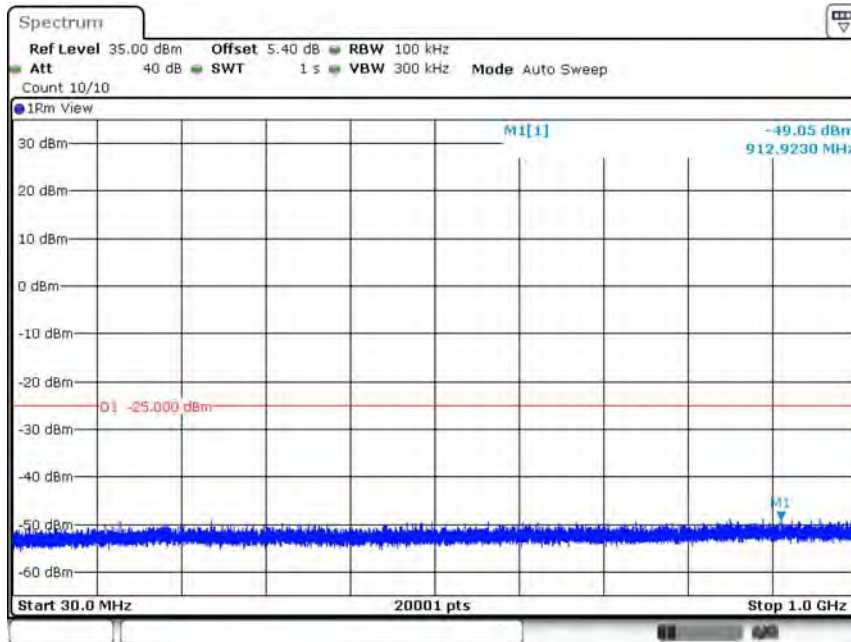
Date: 23 JUL 2021 09:09:39



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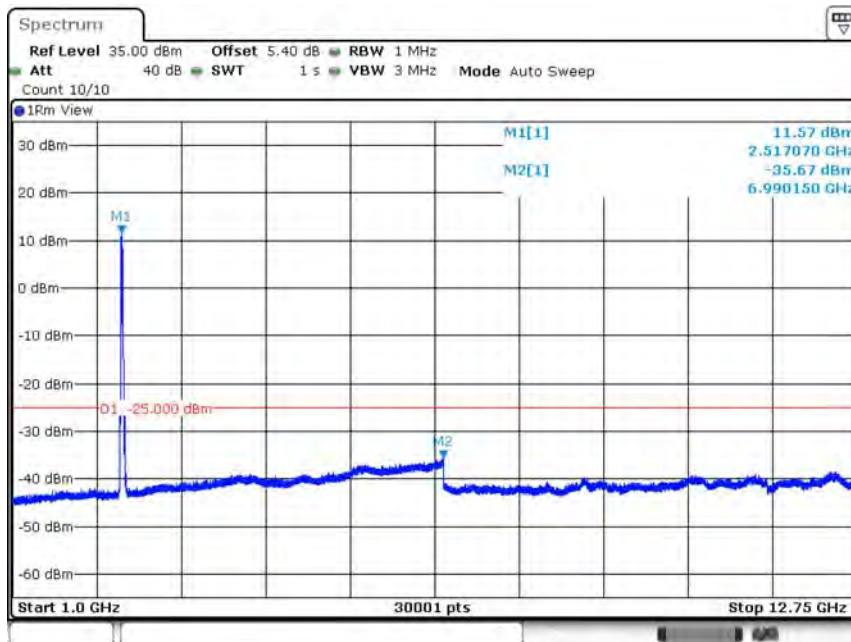
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7-7-20MHz-20MHz-QPSK-QPSK-20850-21048-100RB#0-100RB#0-30~1000MHz



Date: 23.JUL.2021 09:10:18

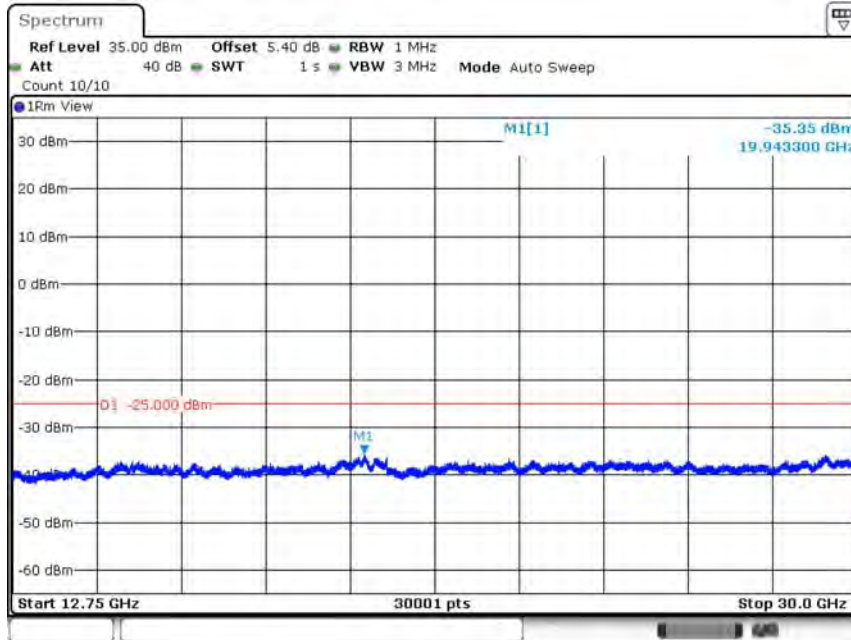
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Date: 23.JUL.2021 09:10:34

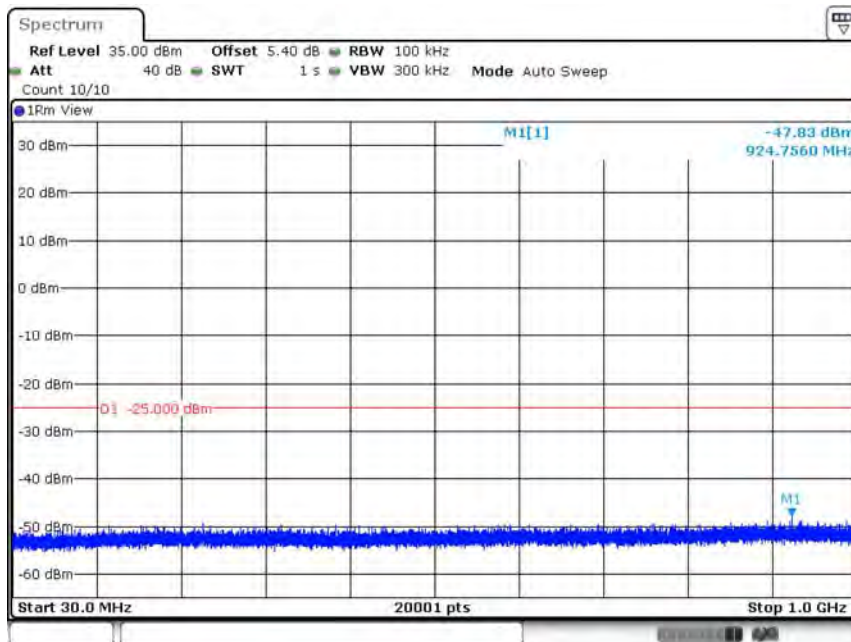


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Date: 23 JUL 2021 09:10:49

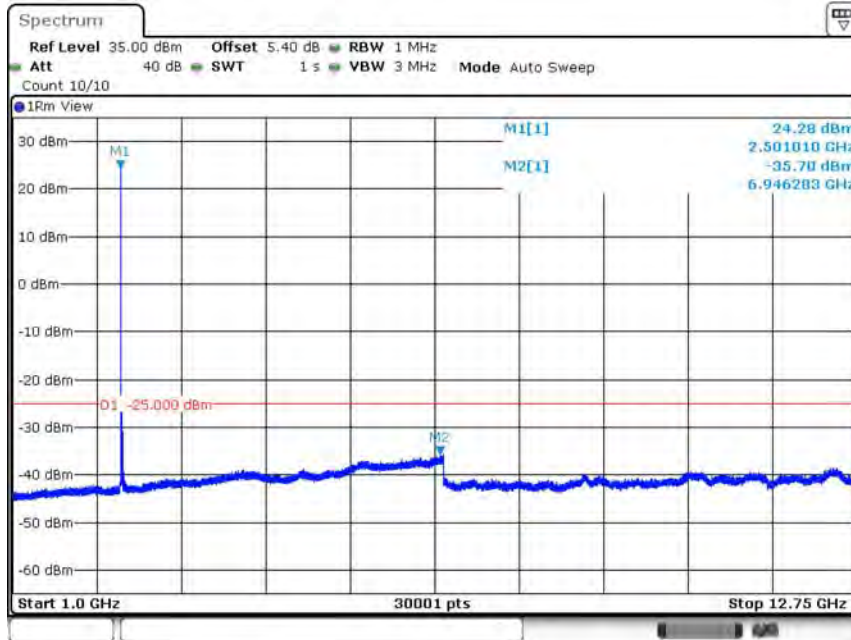
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Date: 23 JUL 2021 09:08:00

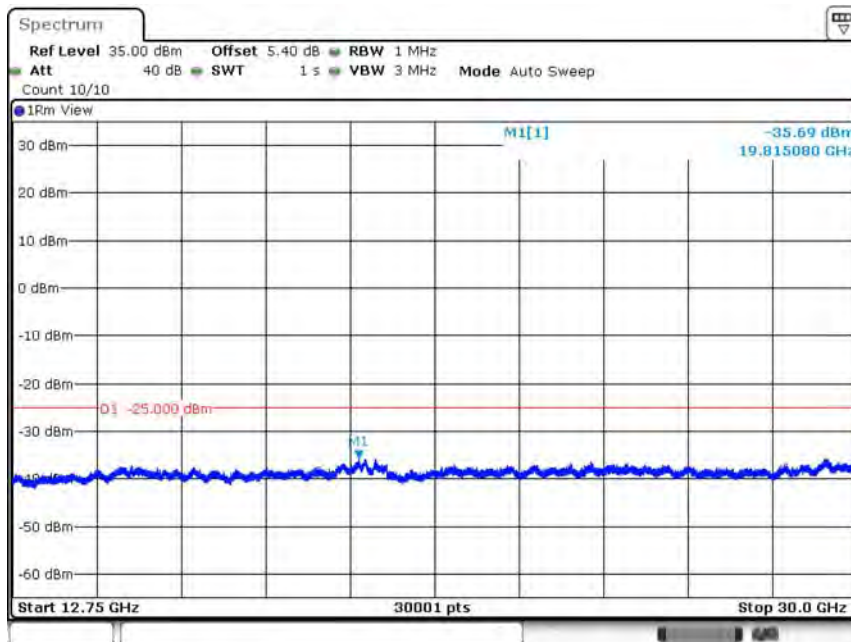


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Date: 23 JUL 2021 09:08:16

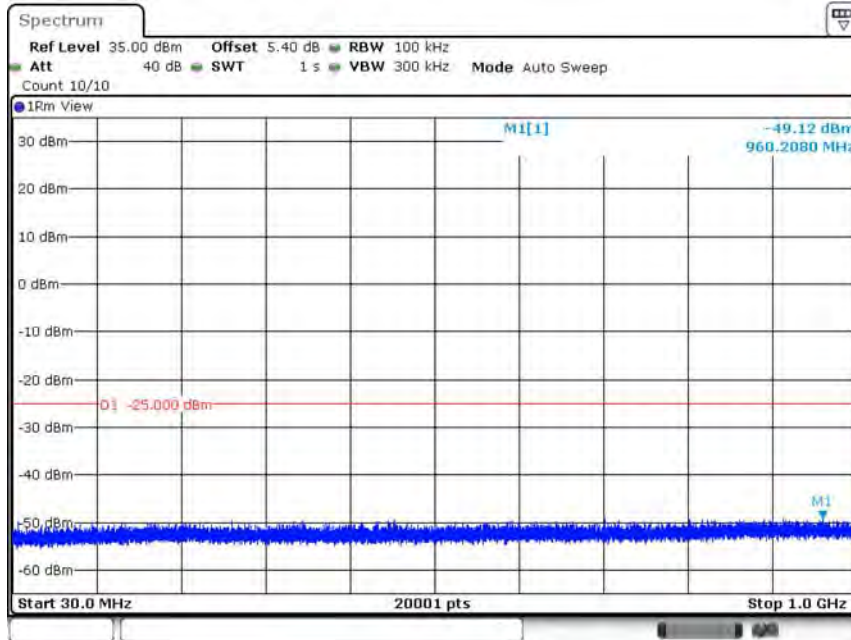
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Date: 23 JUL 2021 09:08:31

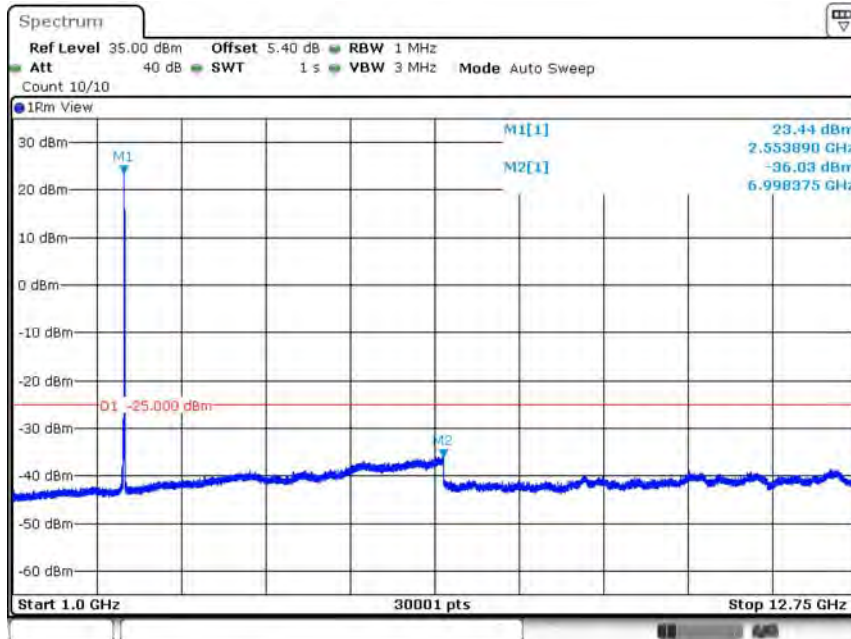


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Date: 23.JUL.2021 09:13:56

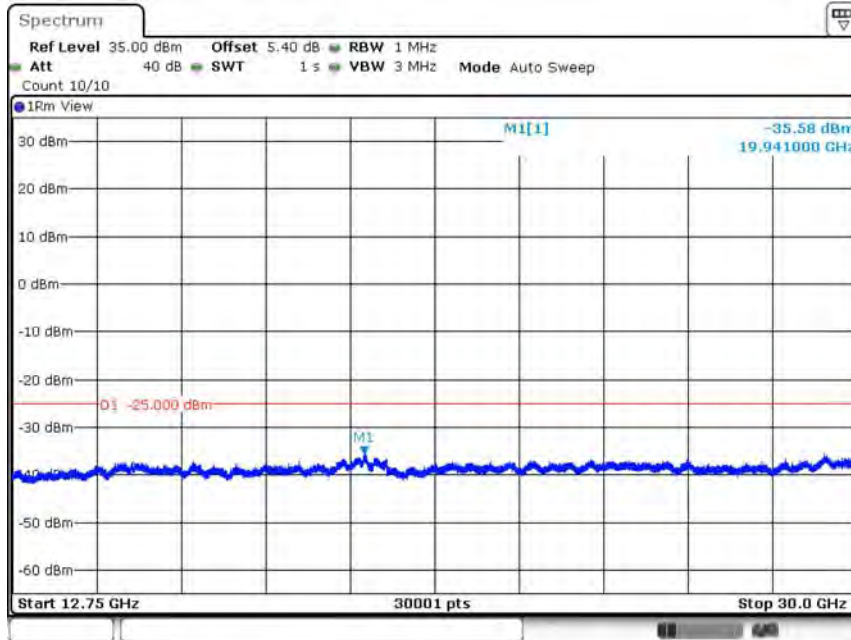
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Date: 23.JUL.2021 09:14:11

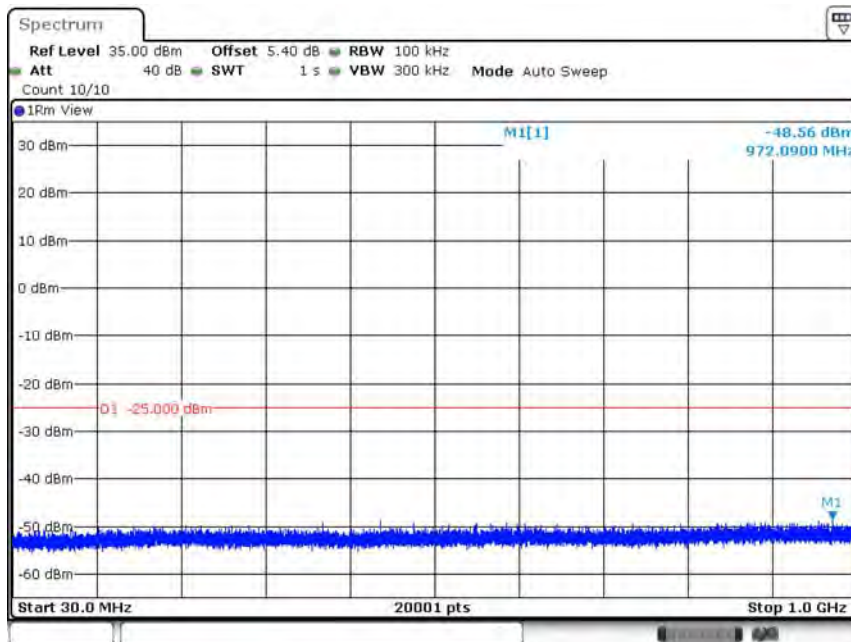


7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-0RB#0-1RB#99-12750~30000MHz



Date: 23 JUL 2021 09:14:26

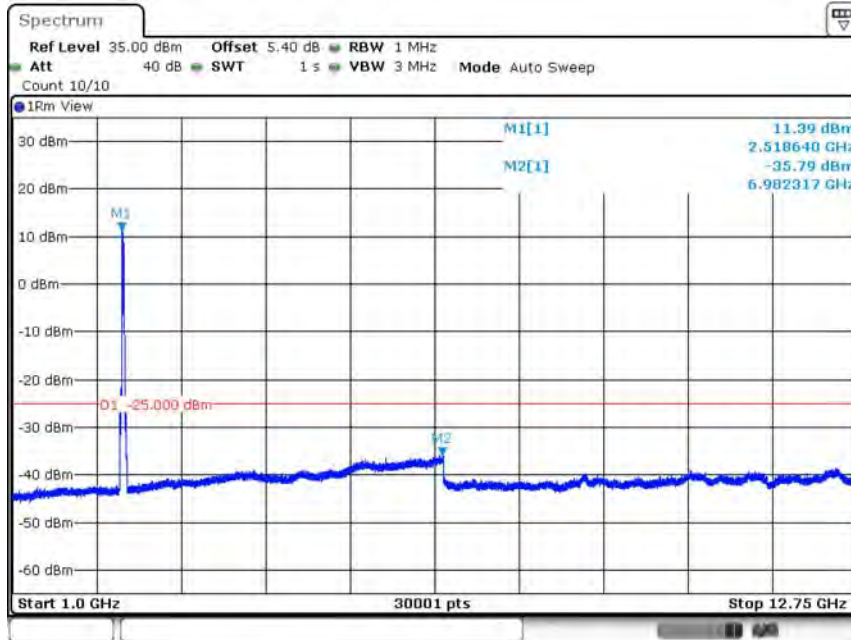
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Date: 23 JUL 2021 09:15:04

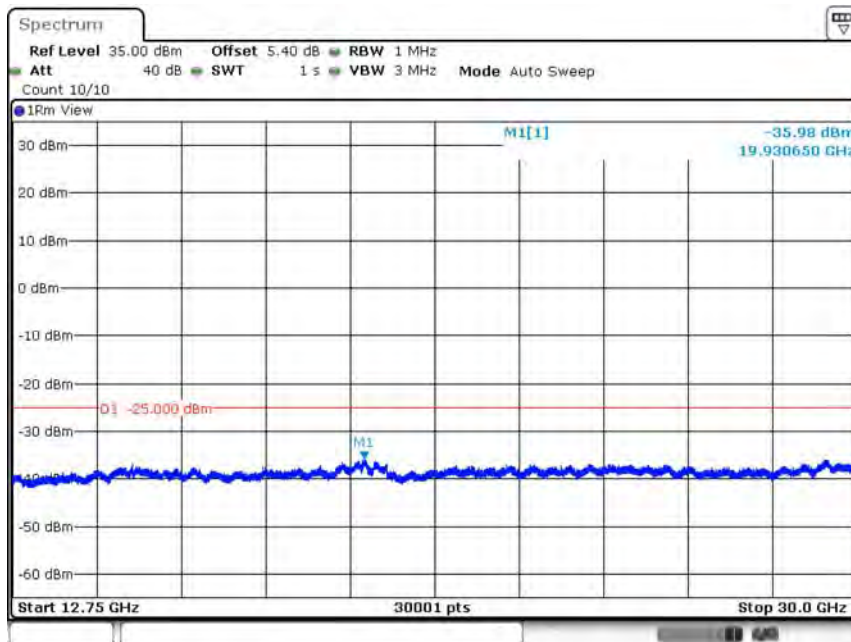


7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-100RB#0-100RB#0-1000~12750MHz



Date: 23 JUL 2021 09:15:19

7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-100RB#0-100RB#0-12750~30000MHz

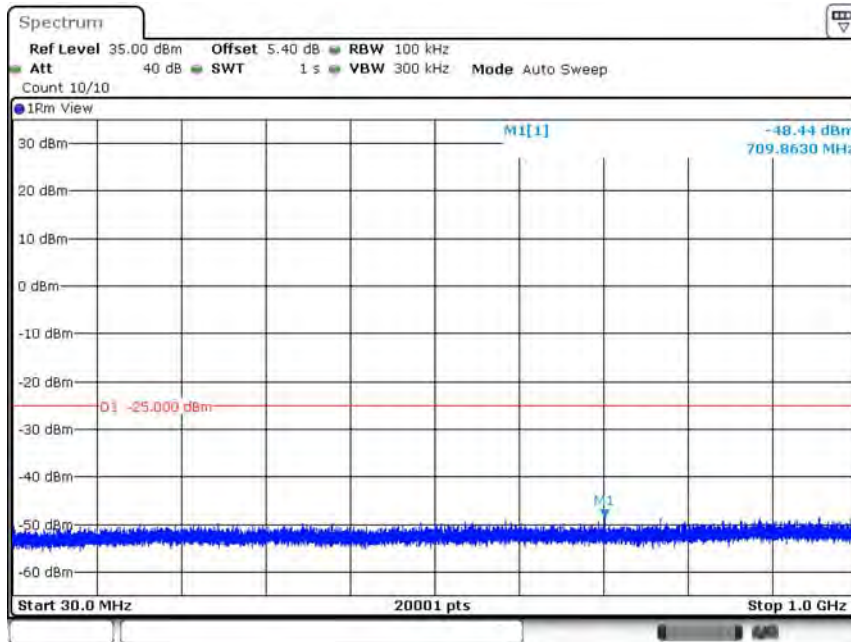


Date: 23 JUL 2021 09:15:34



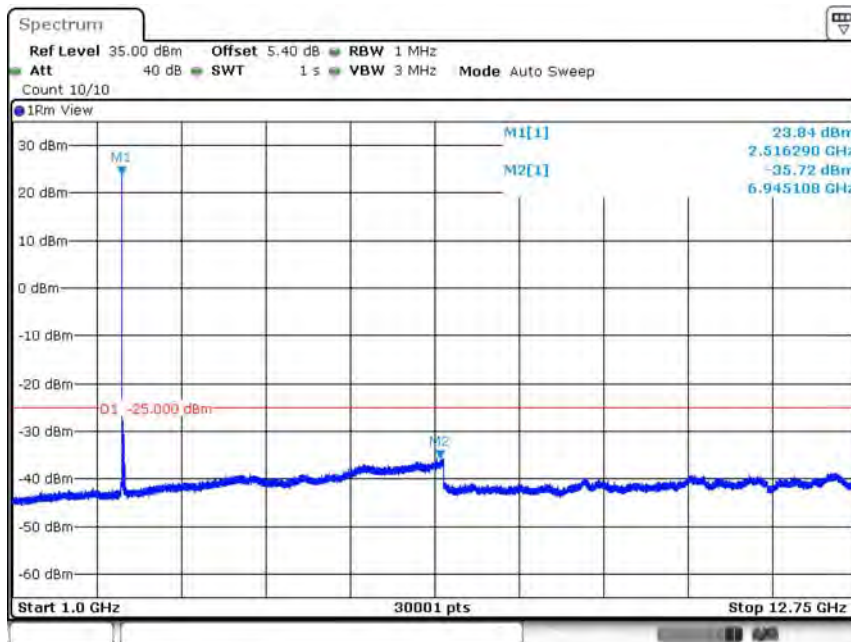
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7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-1RB#0-0RB#0-30~1000MHz



Date: 23 JUL 2021 09:12:47

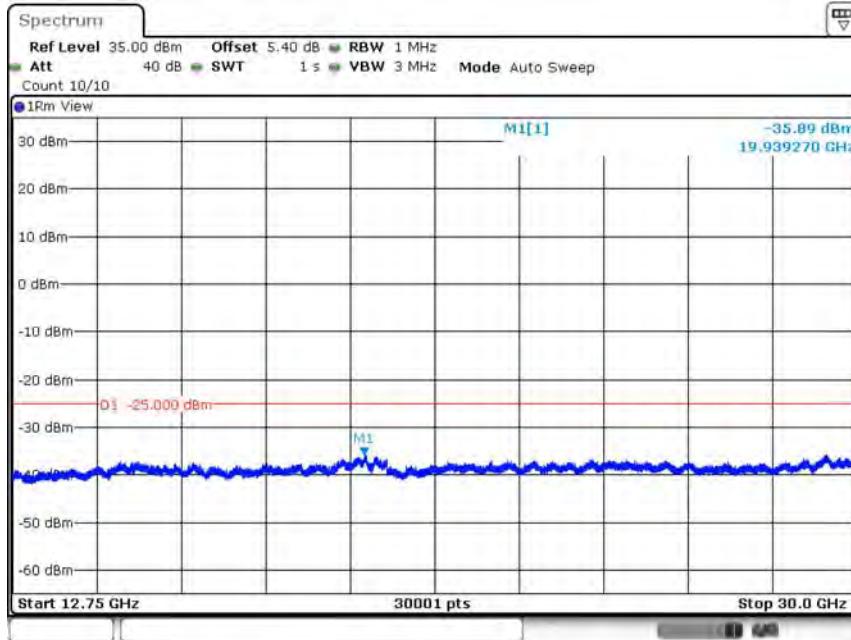
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Date: 23 JUL 2021 09:13:03

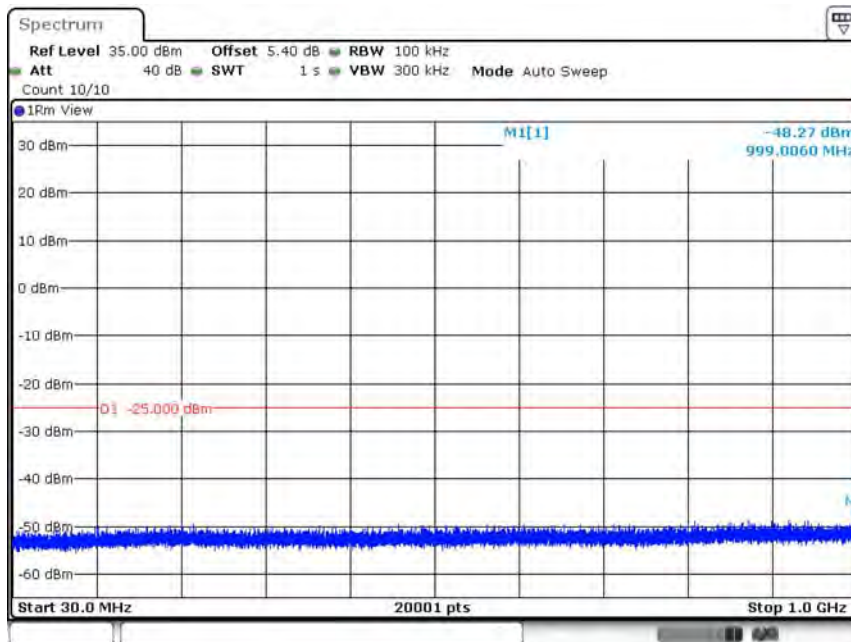


7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-1RB#0-0RB#0-12750~30000MHz



Date: 23.JUL.2021 09:13:18

7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-0RB#0-1RB#99-30~1000MHz

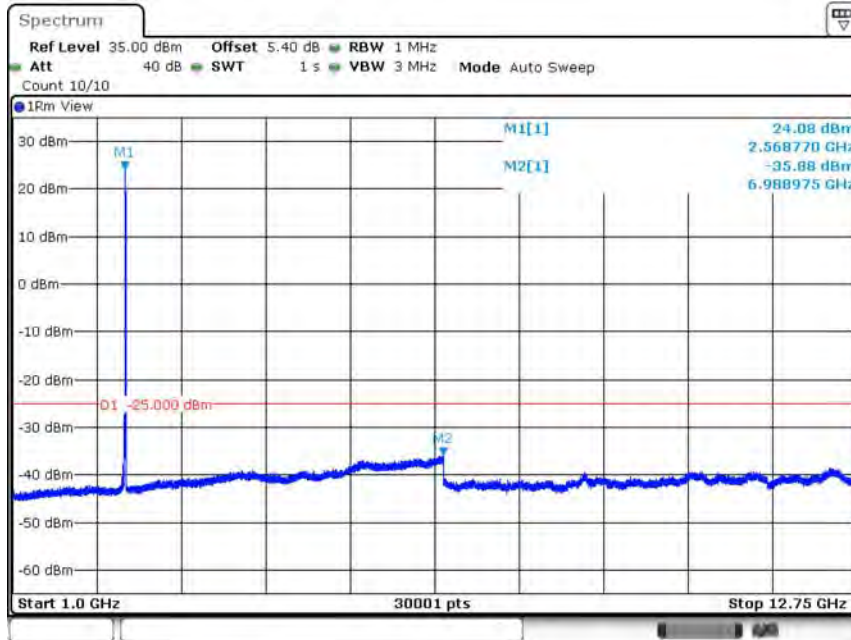


Date: 23.JUL.2021 09:18:55



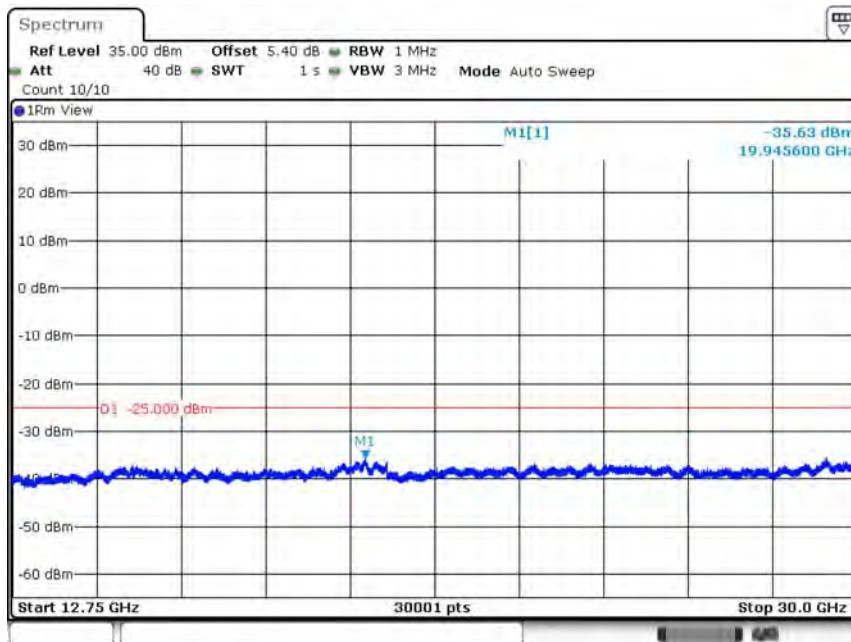
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7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-0RB#0-1RB#99-1000~12750MHz



Date: 23 JUL 2021 09:19:11

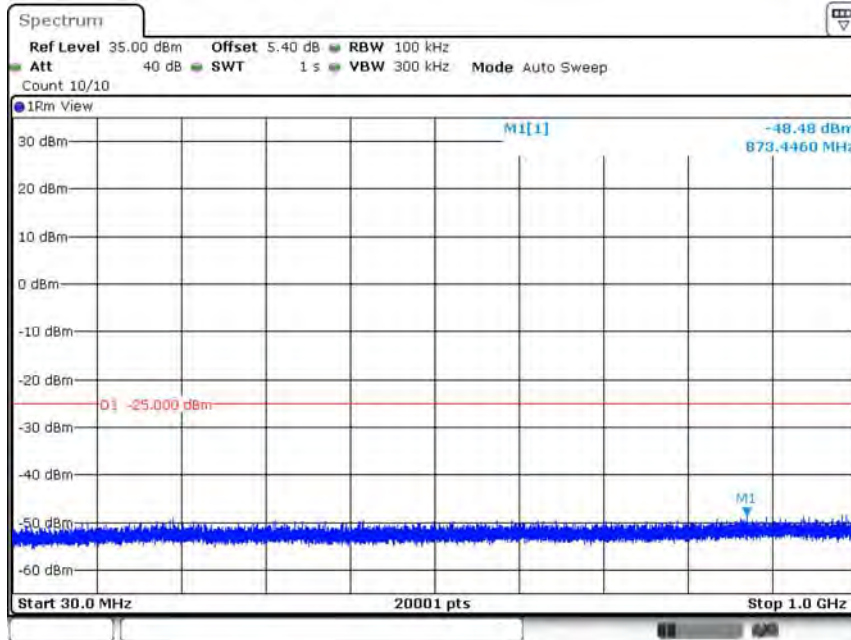
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Date: 23 JUL 2021 09:19:26

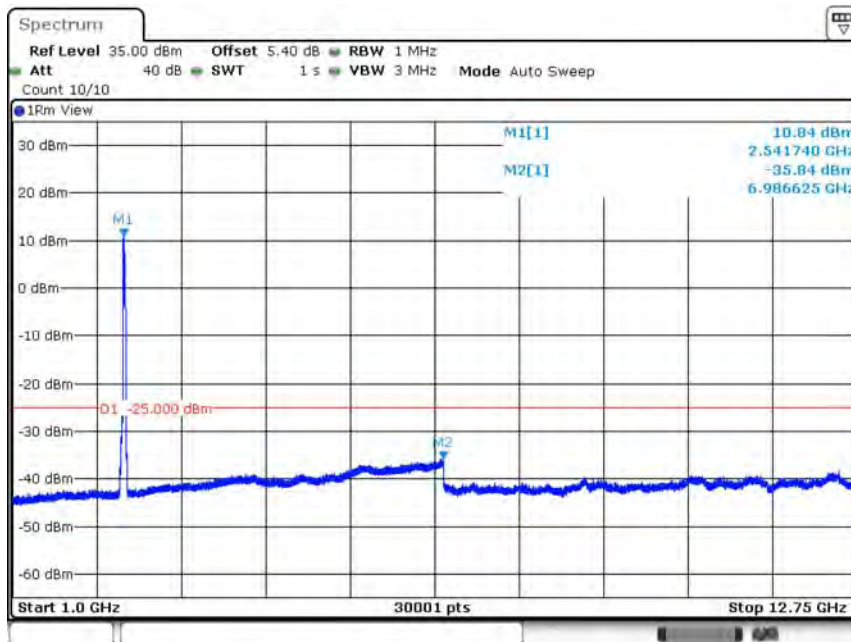


7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-100RB#0-100RB#0-30~1000MHz



Date: 23.JUL.2021 09:20:03

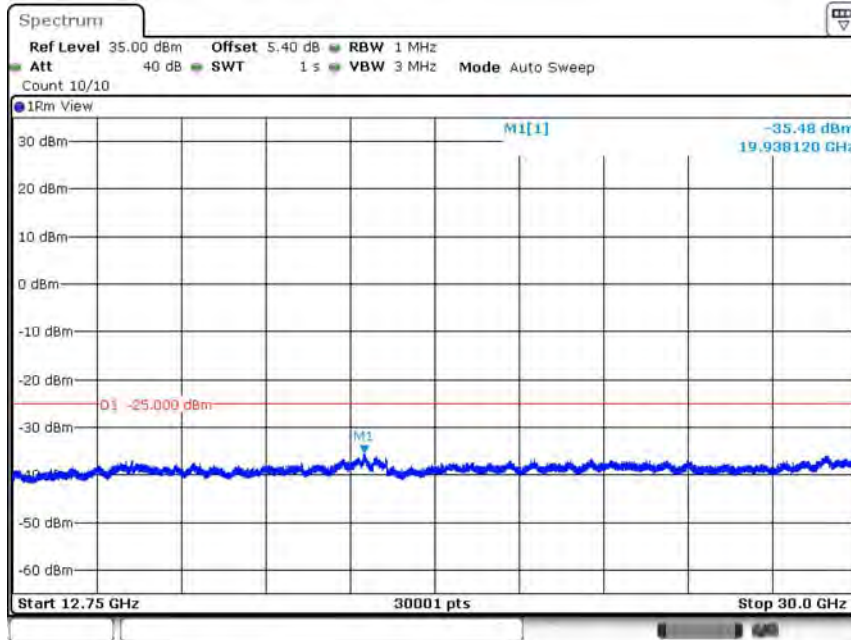
7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-100RB#0-100RB#0-1000~12750MHz



Date: 23.JUL.2021 09:20:19

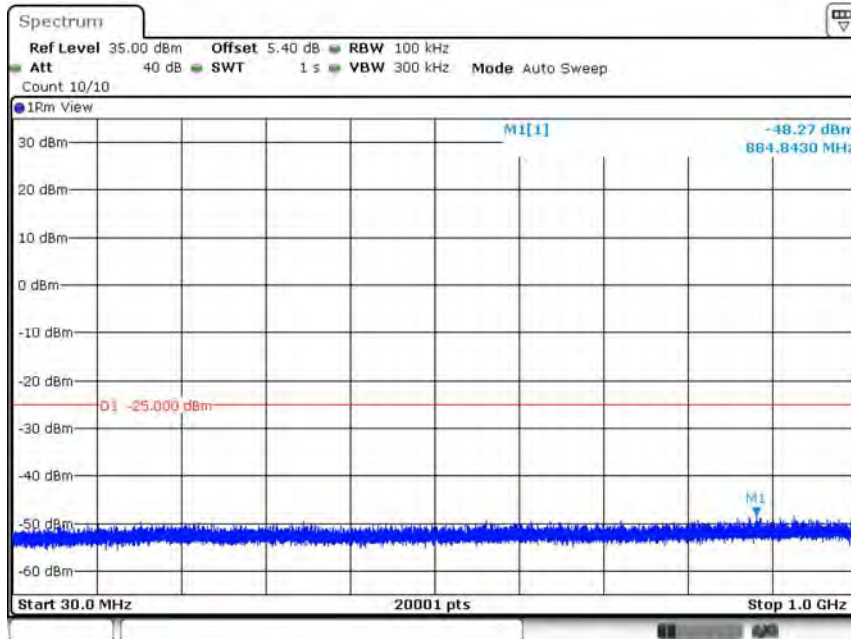


7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-100RB#0-100RB#0-12750~30000MHz



Date: 23 JUL 2021 09:20:34

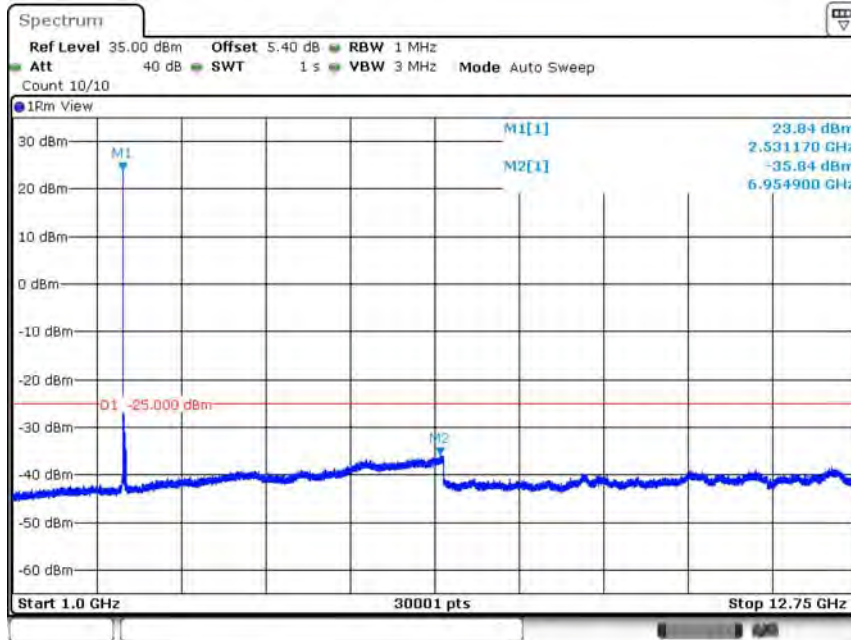
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Date: 23 JUL 2021 09:17:47

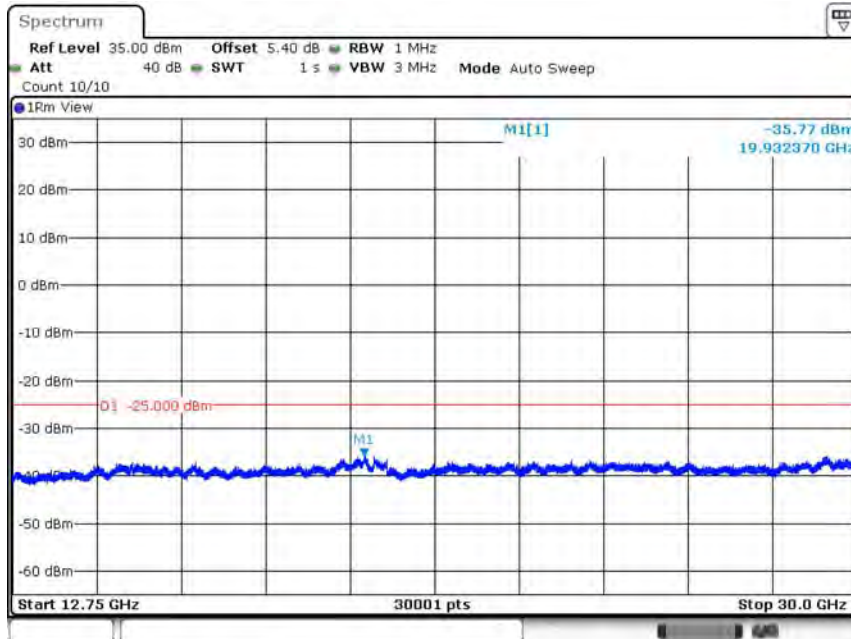


7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-1RB#0-ORB#0-1000~12750MHz



Date: 23 JUL 2021 09:18:03

7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-1RB#0-ORB#0-12750~30000MHz



Date: 23 JUL 2021 09:18:17



Field Strength of Spurious Radiation

Test Band = 7C__TM1 ANT2

Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1167.4084	22.53	-47.76	-25.00	22.76	Horizontal
2	2931.8966	22.61	-42.11	-25.00	17.11	Horizontal
3	5649.1325	50.77	-56.66	-25.00	31.66	Horizontal
4	8976.2988	48.58	-50.57	-25.00	25.57	Horizontal
5	14081.804	46.53	-45.75	-25.00	20.75	Horizontal
6	16401.670	48.26	-45.51	-25.00	20.51	Horizontal

Test Band = 7C__TM1 ANT2

Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1151.3076	22.59	-47.63	-25.00	22.63	Vertical
2	2965.8983	22.29	-42.57	-25.00	17.57	Vertical
3	6027.9014	50.89	-55.80	-25.00	30.80	Vertical
4	8999.5500	48.54	-50.38	-25.00	25.38	Vertical
5	11951.6976	47.97	-46.94	-25.00	21.94	Vertical
6	16446.672	48.86	-45.73	-25.00	20.73	Vertical



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Test Band = 7C__TM1 ANT2
Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1086.0043	21.91	-48.37	-25.00	23.37	Horizontal
2	2905.5953	21.97	-43.09	-25.00	18.09	Horizontal
3	5491.6246	51.05	-56.97	-25.00	31.97	Horizontal
4	7471.7236	49.81	-52.45	-25.00	27.45	Horizontal
5	12952.997	46.75	-46.32	-25.00	21.32	Horizontal
6	16538.926	47.78	-46.41	-25.00	21.41	Horizontal

Test Band = 7C__TM1 ANT2
Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1151.4076	21.72	-48.50	-25.00	23.50	Vertical
2	2950.6975	22.03	-42.67	-25.00	17.67	Vertical
3	5505.8753	50.79	-57.21	-25.00	32.21	Vertical
4	7474.7237	49.84	-52.40	-25.00	27.40	Vertical
5	12441.472	47.12	-46.71	-25.00	21.71	Vertical
6	16431.671	48.96	-45.36	-25.00	20.36	Vertical



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**Test Band = 7C__TM1 ANT2
Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1087.1044	21.36	-48.95	-25.00	23.95	Horizontal
2	2940.1970	21.94	-42.81	-25.00	17.81	Horizontal
3	5803.6402	50.66	-56.68	-25.00	31.68	Horizontal
4	7463.4732	50.04	-52.29	-25.00	27.29	Horizontal
5	11254.9127	47.95	-47.91	-25.00	22.91	Horizontal
6	16400.170	47.86	-45.88	-25.00	20.88	Horizontal

**Test Band = 7C__TM1 ANT2
Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1025.5013	21.76	-49.13	-25.00	24.13	Vertical
2	2997.5999	21.91	-42.62	-25.00	17.62	Vertical
3	5178.8589	50.69	-58.47	-25.00	33.47	Vertical
4	9031.8016	48.61	-50.44	-25.00	25.44	Vertical
5	11237.6619	48.21	-47.59	-25.00	22.59	Vertical
6	16403.920	48.31	-45.50	-25.00	20.50	Vertical



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Test Band = 7C__TM1 ANT8
Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1167.4084	22.53	-47.76	-25.00	22.76	Horizontal
2	2931.8966	22.61	-42.11	-25.00	17.11	Horizontal
3	5697.8849	50.37	-56.44	-25.00	31.44	Horizontal
4	8976.2988	48.58	-50.57	-25.00	25.57	Horizontal
5	11924.6962	48.43	-46.08	-25.00	21.08	Horizontal
6	16532.926	48.25	-45.99	-25.00	20.99	Horizontal

Test Band = 7C__TM1 ANT8
Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1151.3076	22.59	-47.63	-25.00	22.63	Vertical
2	2938.5969	22.01	-42.74	-25.00	17.74	Vertical
3	6027.9014	50.89	-55.80	-25.00	30.80	Vertical
4	8999.5500	48.54	-50.38	-25.00	25.38	Vertical
5	11914.1957	47.95	-46.40	-25.00	21.40	Vertical
6	14039.802	46.60	-45.50	-25.00	20.50	Vertical



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**Test Band = 7C__TM1 ANT8
Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1151.8076	21.80	-48.43	-25.00	23.43	Horizontal
2	2951.8976	21.90	-42.80	-25.00	17.80	Horizontal
3	5491.6246	51.05	-56.97	-25.00	31.97	Horizontal
4	7471.7236	49.81	-52.45	-25.00	27.45	Horizontal
5	11913.4457	47.32	-47.01	-25.00	22.01	Horizontal
6	16402.420	48.06	-45.72	-25.00	20.72	Horizontal

**Test Band = 7C__TM1 ANT8
Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1198.3099	22.30	-48.42	-25.00	23.42	Vertical
2	2919.9960	21.97	-42.91	-25.00	17.91	Vertical
3	5687.3844	50.45	-56.50	-25.00	31.50	Vertical
4	8397.2699	50.00	-51.01	-25.00	26.01	Vertical
5	12441.472	47.12	-46.71	-25.00	21.71	Vertical
6	15928.396	46.69	-47.17	-25.00	22.17	Vertical



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Test Band = 7C__TM1 ANT8
Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1150.0075	21.68	-48.50	-25.00	23.50	Horizontal
2	2940.1970	21.94	-42.81	-25.00	17.81	Horizontal
3	3759.7880	52.86	-61.71	-25.00	36.71	Horizontal
4	9025.0513	48.89	-50.13	-25.00	25.13	Horizontal
5	13363.268	46.83	-45.88	-25.00	20.88	Horizontal
6	16400.170	47.86	-45.88	-25.00	20.88	Horizontal

Test Band = 7C__TM1 ANT8
Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1025.5013	21.76	-49.13	-25.00	24.13	Vertical
2	2950.2975	21.97	-42.73	-25.00	17.73	Vertical
3	5700.8850	50.33	-56.48	-25.00	31.48	Vertical
4	9031.8016	48.61	-50.44	-25.00	25.44	Vertical
5	13376.768	46.87	-45.72	-25.00	20.72	Vertical
6	16403.920	48.31	-45.50	-25.00	20.50	Vertical



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Test Band = 7C__TM1 ANT5
Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1100.3050	21.69	-48.79	-25.00	23.79	Horizontal
2	2931.8966	22.61	-42.11	-25.00	17.11	Horizontal
3	5555.3778	50.78	-57.11	-25.00	32.11	Horizontal
4	11133.4067	47.92	-47.80	-25.00	22.80	Horizontal
5	14081.804	46.53	-45.75	-25.00	20.75	Horizontal
6	17697.734	47.77	-46.21	-25.00	21.21	Horizontal

Test Band = 7C__TM1 ANT5
Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1080.0040	22.17	-47.93	-25.00	22.93	Vertical
2	2965.8983	22.29	-42.57	-25.00	17.57	Vertical
3	5682.8841	50.95	-56.05	-25.00	31.05	Vertical
4	8999.5500	48.54	-50.38	-25.00	25.38	Vertical
5	11914.1957	47.95	-46.40	-25.00	21.40	Vertical
6	16387.419	48.14	-45.86	-25.00	20.86	Vertical



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Test Band = 7C__TM1 ANT5
Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1151.8076	21.80	-48.43	-25.00	23.43	Horizontal
2	2905.5953	21.97	-43.09	-25.00	18.09	Horizontal
3	5683.6342	50.58	-56.41	-25.00	31.41	Horizontal
4	9031.8016	48.73	-50.32	-25.00	25.32	Horizontal
5	13381.269	46.91	-45.64	-25.00	20.64	Horizontal
6	16402.420	48.06	-45.72	-25.00	20.72	Horizontal

Test Band = 7C__TM1 ANT5
Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1151.4076	21.72	-48.50	-25.00	23.50	Vertical
2	2950.6975	22.03	-42.67	-25.00	17.67	Vertical
3	5671.6336	49.97	-57.17	-25.00	32.17	Vertical
4	9058.8029	48.65	-50.57	-25.00	25.57	Vertical
5	12441.472	47.12	-46.71	-25.00	21.71	Vertical
6	16431.671	48.96	-45.36	-25.00	20.36	Vertical



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Test Band = 7C__TM1 ANT5
Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1164.2082	21.79	-48.57	-25.00	23.57	Horizontal
2	2927.6964	21.85	-42.90	-25.00	17.90	Horizontal
3	7463.4732	50.04	-52.29	-25.00	27.29	Horizontal
4	11254.9127	47.95	-47.91	-25.00	22.91	Horizontal
5	14125.306	45.98	-45.89	-25.00	20.89	Horizontal
6	17820.741	49.37	-44.83	-25.00	19.83	Horizontal

Test Band = 7C__TM1 ANT5
Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1175.2088	22.12	-48.30	-25.00	23.30	Vertical
2	2950.2975	21.97	-42.73	-25.00	17.73	Vertical
3	5672.3836	50.42	-56.71	-25.00	31.71	Vertical
4	9031.8016	48.61	-50.44	-25.00	25.44	Vertical
5	12841.992	46.76	-46.51	-25.00	21.51	Vertical
6	16403.920	48.31	-45.50	-25.00	20.50	Vertical



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Test Band = 7C__TM1 ANT4
Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1167.4084	22.53	-47.76	-25.00	22.76	Horizontal
2	2931.8966	22.61	-42.11	-25.00	17.11	Horizontal
3	5697.8849	50.37	-56.44	-25.00	31.44	Horizontal
4	8976.2988	48.58	-50.57	-25.00	25.57	Horizontal
5	14081.804	46.53	-45.75	-25.00	20.75	Horizontal
6	16401.670	48.26	-45.51	-25.00	20.51	Horizontal

Test Band = 7C__TM1 ANT4
Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1151.3076	22.59	-47.63	-25.00	22.63	Vertical
2	2925.7963	21.84	-42.94	-25.00	17.94	Vertical
3	3627.0314	52.20	-62.65	-25.00	37.65	Vertical
4	8999.5500	48.54	-50.38	-25.00	25.38	Vertical
5	13034.001	46.87	-45.78	-25.00	20.78	Vertical
6	16446.672	48.86	-45.73	-25.00	20.73	Vertical



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Test Band = 7C__TM1 ANT4

Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1086.0043	21.91	-48.37	-25.00	23.37	Horizontal
2	2951.8976	21.90	-42.80	-25.00	17.80	Horizontal
3	5683.6342	50.58	-56.41	-25.00	31.41	Horizontal
4	9031.8016	48.73	-50.32	-25.00	25.32	Horizontal
5	13381.269	46.91	-45.64	-25.00	20.64	Horizontal
6	16402.420	48.06	-45.72	-25.00	20.72	Horizontal

Test Band = 7C__TM1 ANT4

Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1151.4076	21.72	-48.50	-25.00	23.50	Vertical
2	2919.9960	21.97	-42.91	-25.00	17.91	Vertical
3	3533.2767	52.89	-62.30	-25.00	37.30	Vertical
4	7474.7237	49.84	-52.40	-25.00	27.40	Vertical
5	11919.4460	47.62	-46.81	-25.00	21.81	Vertical
6	16450.422	48.26	-46.39	-25.00	21.39	Vertical



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Test Band = 7C__TM1 ANT4
Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1133.1067	21.70	-48.98	-25.00	23.98	Horizontal
2	2940.1970	21.94	-42.81	-25.00	17.81	Horizontal
3	5644.6322	50.51	-56.96	-25.00	31.96	Horizontal
4	7463.4732	50.04	-52.29	-25.00	27.29	Horizontal
5	11150.6575	46.84	-48.69	-25.00	23.69	Horizontal
6	16400.170	47.86	-45.88	-25.00	20.88	Horizontal

Test Band = 7C__TM1 ANT4
Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1175.2088	22.12	-48.30	-25.00	23.30	Vertical
2	2950.2975	21.97	-42.73	-25.00	17.73	Vertical
3	5672.3836	50.42	-56.71	-25.00	31.71	Vertical
4	9031.8016	48.61	-50.44	-25.00	25.44	Vertical
5	12420.471	47.19	-46.81	-25.00	21.81	Vertical
6	16403.920	48.31	-45.50	-25.00	20.50	Vertical

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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Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	VN	NT	7.60	0.003028	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	VL	NT	10.10	0.004024	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	VH	NT	7.70	0.003068	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21119	100RB#0-100RB#0	VN	NT	8.80	0.003485	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21119	100RB#0-100RB#0	VL	NT	4.50	0.001782	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21119	100RB#0-100RB#0	VH	NT	3.80	0.001505	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	VN	NT	0.60	0.000236	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	VL	NT	3.80	0.001496	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	VH	NT	3.60	0.001417	±2.5	PASS



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Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	NV	10	5.40	0.002151	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	NV	-10	9.70	0.003865	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	NV	20	2.60	0.001036	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	NV	-20	5.20	0.002072	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	NV	30	16.50	0.006574	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	NV	-30	6.70	0.002669	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	NV	-50	3.10	0.001235	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	NV	0	9.90	0.003944	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	-20	3.70	0.001465	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	0	3.80	0.001505	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	10	-1.10	-0.000436	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	20	5.90	0.002337	±2.5	PASS



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7-7	20MHz- 20MHz	QPSK- QPSK	21001 -2119 9	100RB#0 -100RB# 0	NV	30	1.40	0.000554	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21001 -2119 9	100RB#0 -100RB# 0	NV	-30	7.80	0.003089	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21001 -2119 9	100RB#0 -100RB# 0	NV	-50	4.10	0.001624	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21001 -2119 9	100RB#0 -100RB# 0	NV	-10	-4.20	-0.001663	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21152 -2135 0	100RB#0 -100RB# 0	NV	-50	4.30	0.001693	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21152 -2135 0	100RB#0 -100RB# 0	NV	0	3.60	0.001417	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21152 -2135 0	100RB#0 -100RB# 0	NV	10	13.50	0.005315	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21152 -2135 0	100RB#0 -100RB# 0	NV	-10	14.10	0.005551	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21152 -2135 0	100RB#0 -100RB# 0	NV	20	-6.10	-0.002401	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21152 -2135 0	100RB#0 -100RB# 0	NV	-20	4.50	0.001772	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21152 -2135 0	100RB#0 -100RB# 0	NV	30	8.80	0.003464	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21152 -2135 0	100RB#0 -100RB# 0	NV	-30	12.30	0.004842	±2.5	PASS

The End



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