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Appendix B.22

LTE CA_7C



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	1RB#0-0RB#0	23.54	24.09	33	PASS
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	50RB#0-100RB#0	22.53	23.08	33	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	1RB#0-0RB#0	23.87	24.42	33	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	22.41	22.96	33	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	1RB#0-0RB#0	23.79	24.34	33	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	50RB#0-100RB#0	22.23	22.78	33	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	1RB#0-0RB#0	23.36	23.91	33	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	21.28	21.83	33	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	1RB#0-0RB#0	23.51	24.06	33	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	21.33	21.88	33	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	1RB#0-0RB#0	23.58	24.13	33	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	50RB#0-100RB#0	21.14	21.69	33	PASS
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	1RB#0-0RB#0	21.26	21.81	33	PASS
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	50RB#0-100RB#0	19.39	19.94	33	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	1RB#0-0RB#0	21.72	22.27	33	PASS



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7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	50RB#0-100RB#0	19.3 1	19.8 6	33	PAS S
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	1RB#0-0RB#0	21.6 5	22.2	33	PAS S
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	50RB#0-100RB#0	19.2 6	19.8 1	33	PAS S
7-7	10MHz-20MHz	256QAM-256QAM	20805-20949	1RB#0-0RB#0	18.4 5	19	33	PAS S
7-7	10MHz-20MHz	256QAM-256QAM	20805-20949	50RB#0-100RB#0	18.2 6	18.8 1	33	PAS S
7-7	10MHz-20MHz	256QAM-256QAM	21006-21150	1RB#0-0RB#0	18.3 7	18.9 2	33	PAS S
7-7	10MHz-20MHz	256QAM-256QAM	21006-21150	50RB#0-100RB#0	18.2 4	18.7 9	33	PAS S
7-7	10MHz-20MHz	256QAM-256QAM	21206-21350	1RB#0-0RB#0	18.3 9	18.9 4	33	PAS S
7-7	10MHz-20MHz	256QAM-256QAM	21206-21350	50RB#0-100RB#0	18.1 4	18.6 9	33	PAS S
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	1RB#0-0RB#0	23.6 3	24.1 8	33	PAS S
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	75RB#0-50RB#0	22.2 5	22.8	33	PAS S
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	1RB#0-0RB#0	24.3 6	24.9 1	33	PAS S
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	22.2 4	22.7 9	33	PAS S
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	1RB#0-0RB#0	23.6 3	24.1 8	33	PAS S
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	75RB#0-50RB#0	21.5 2	22.0 7	33	PAS S
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	1RB#0-0RB#0	22.6 4	23.1 9	33	PAS S
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	75RB#0-50RB#0	21.1 4	21.6 9	33	PAS S
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	1RB#0-0RB#0	23.4 7	24.0 2	33	PAS S
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	75RB#0-50RB#0	21.3 6	21.9 1	33	PAS S



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7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	1RB#0-0RB#0	23.4 1	23.9 6	33	PAS S
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	75RB#0-50RB#0	20.5 6	21.1 1	33	PAS S
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	1RB#0-0RB#0	20.8 7	21.4 2	33	PAS S
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	75RB#0-50RB#0	19.3 6	19.9 1	33	PAS S
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	1RB#0-0RB#0	21.5 2	22.0 7	33	PAS S
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	75RB#0-50RB#0	19.3 4	19.8 9	33	PAS S
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	1RB#0-0RB#0	21.1 4	21.6 9	33	PAS S
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	75RB#0-50RB#0	19.5 5	20.1	33	PAS S
7-7	15MHz-10MHz	256QAM-256QAM	20825-20945	1RB#0-0RB#0	17.6 3	18.1 8	33	PAS S
7-7	15MHz-10MHz	256QAM-256QAM	20825-20945	75RB#0-50RB#0	18.8 9	19.4 4	33	PAS S
7-7	15MHz-10MHz	256QAM-256QAM	21051-21171	1RB#0-0RB#0	18.6 7	19.2 2	33	PAS S
7-7	15MHz-10MHz	256QAM-256QAM	21051-21171	75RB#0-50RB#0	18.5 5	19.1	33	PAS S
7-7	15MHz-10MHz	256QAM-256QAM	21277-21397	1RB#0-0RB#0	18.4 3	18.9 8	33	PAS S
7-7	15MHz-10MHz	256QAM-256QAM	21277-21397	75RB#0-50RB#0	18.2 9	18.8 4	33	PAS S
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	1RB#0-0RB#0	23.6 7	24.2 2	33	PAS S
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	75RB#0-75RB#0	22.5 3	23.0 8	33	PAS S
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	1RB#0-0RB#0	23.4 1	23.9 6	33	PAS S
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	75RB#0-75RB#0	23.1 8	23.7 3	33	PAS S
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	1RB#0-0RB#0	23.4 4	23.9 9	33	PAS S



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7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	75RB#0-75RB#0	21.87	22.42	33	PAS S
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	1RB#0-0RB#0	23.23	23.78	33	PAS S
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	75RB#0-75RB#0	21.26	21.81	33	PAS S
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	1RB#0-0RB#0	23.41	23.96	33	PAS S
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	75RB#0-75RB#0	21.33	21.88	33	PAS S
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	1RB#0-0RB#0	23.37	23.92	33	PAS S
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	75RB#0-75RB#0	21.25	21.8	33	PAS S
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	1RB#0-0RB#0	21.66	22.21	33	PAS S
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	75RB#0-75RB#0	19.56	20.11	33	PAS S
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	1RB#0-0RB#0	21.44	21.99	33	PAS S
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	75RB#0-75RB#0	19.59	20.14	33	PAS S
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	1RB#0-0RB#0	21.67	22.22	33	PAS S
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	75RB#0-75RB#0	19.29	19.84	33	PAS S
7-7	15MHz-15MHz	256QAM-256QAM	20825-20975	1RB#0-0RB#0	17.87	18.42	33	PAS S
7-7	15MHz-15MHz	256QAM-256QAM	20825-20975	75RB#0-75RB#0	18.57	19.12	33	PAS S
7-7	15MHz-15MHz	256QAM-256QAM	21025-21175	1RB#0-0RB#0	18.44	18.99	33	PAS S
7-7	15MHz-15MHz	256QAM-256QAM	21025-21175	75RB#0-75RB#0	18.59	19.14	33	PAS S
7-7	15MHz-15MHz	256QAM-256QAM	21225-21375	1RB#0-0RB#0	18.67	19.22	33	PAS S
7-7	15MHz-15MHz	256QAM-256QAM	21225-21375	75RB#0-75RB#0	18.33	18.88	33	PAS S



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7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	75RB#0-100RB#0	22.5 2	23.0 7	33	PAS S
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	1RB#0-0RB#0	23.6 7	24.2 2	33	PAS S
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	75RB#0-100RB#0	22.4 3	22.9 8	33	PAS S
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	1RB#0-0RB#0	23.5 3	24.0 8	33	PAS S
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	75RB#0-100RB#0	22.4 4	22.9 9	33	PAS S
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	1RB#0-0RB#0	22.9 3	23.4 8	33	PAS S
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	75RB#0-100RB#0	21.5 5	22.1	33	PAS S
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	1RB#0-0RB#0	22.6 6	23.2 1	33	PAS S
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	75RB#0-100RB#0	21.4 4	21.9 9	33	PAS S
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	1RB#0-0RB#0	22.7 8	23.3 3	33	PAS S
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	75RB#0-100RB#0	21.4 7	22.0 2	33	PAS S
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	1RB#0-0RB#0	22.0 6	22.6 1	33	PAS S
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	75RB#0-100RB#0	21.5 5	22.1	33	PAS S
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	1RB#0-0RB#0	21.7 5	22.3	33	PAS S
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	75RB#0-100RB#0	21.4 6	22.0 1	33	PAS S
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	1RB#0-0RB#0	21.7 8	22.3 3	33	PAS S
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	75RB#0-100RB#0	21.4 6	22.0 1	33	PAS S
7-7	15MHz-20MHz	256QAM-256QAM	20828-20999	1RB#0-0RB#0	18.9 1	19.4 6	33	PAS S



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7-7	15MHz-20MHz	256QAM-256QAM	21003-21174	1RB#0-0RB#0	18.8	19.35	33	PAS S
7-7	15MHz-20MHz	256QAM-256QAM	21003-21174	75RB#0-100RB#0	19.44	19.99	33	PAS S
7-7	15MHz-20MHz	256QAM-256QAM	21179-21350	1RB#0-0RB#0	18.91	19.46	33	PAS S
7-7	15MHz-20MHz	256QAM-256QAM	21179-21350	75RB#0-100RB#0	19.46	20.01	33	PAS S
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	100RB#0-50RB#0	22.43	22.98	33	PAS S
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	1RB#0-0RB#0	23.72	24.27	33	PAS S
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	22.35	22.9	33	PAS S
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	1RB#0-0RB#0	23.59	24.14	33	PAS S
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	22.39	22.94	33	PAS S
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	1RB#0-0RB#0	23.55	24.1	33	PAS S
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	100RB#0-50RB#0	21.56	22.11	33	PAS S
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	1RB#0-0RB#0	22.85	23.4	33	PAS S
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	100RB#0-50RB#0	21.38	21.93	33	PAS S
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	1RB#0-0RB#0	22.66	23.21	33	PAS S
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	100RB#0-50RB#0	21.41	21.96	33	PAS S
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	1RB#0-0RB#0	22.72	23.27	33	PAS S
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	100RB#0-50RB#0	21.52	22.07	33	PAS S
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	1RB#0-0RB#0	21.92	22.47	33	PAS S



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7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	100RB#0-50RB#0	21.4 2	21.9 7	33	PAS S
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	1RB#0-0RB#0	21.9 6	22.5 1	33	PAS S
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	100RB#0-50RB#0	21.4 6	22.0 1	33	PAS S
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	1RB#0-0RB#0	21.8 5	22.4	33	PAS S
7-7	20MHz-10MHz	256QAM-256QAM	20850-20994	100RB#0-50RB#0	19.5 3	20.0 8	33	PAS S
7-7	20MHz-10MHz	256QAM-256QAM	20850-20994	1RB#0-0RB#0	18.8 9	19.4 4	33	PAS S
7-7	20MHz-10MHz	256QAM-256QAM	21051-21195	100RB#0-50RB#0	19.4 1	19.9 6	33	PAS S
7-7	20MHz-10MHz	256QAM-256QAM	21051-21195	1RB#0-0RB#0	18.7 3	19.2 8	33	PAS S
7-7	20MHz-10MHz	256QAM-256QAM	21251-21395	100RB#0-50RB#0	19.3 8	19.9 3	33	PAS S
7-7	20MHz-10MHz	256QAM-256QAM	21251-21395	1RB#0-0RB#0	18.7 1	19.2 6	33	PAS S
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	100RB#0-75RB#0	22.4 4	22.9 9	33	PAS S
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	1RB#0-0RB#0	23.6 4	24.1 9	33	PAS S
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	22.3 5	22.9	33	PAS S
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	1RB#0-0RB#0	23.4 2	23.9 7	33	PAS S
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	100RB#0-75RB#0	22.4	22.9 5	33	PAS S
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	1RB#0-0RB#0	23.4 6	24.0 1	33	PAS S
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	100RB#0-75RB#0	21.4 4	21.9 9	33	PAS S
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	1RB#0-0RB#0	22.7 8	23.3 3	33	PAS S
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	100RB#0-75RB#0	21.3 3	21.8 8	33	PAS S



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7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	1RB#0-0RB#0	22.83	23.38	33	PAS S
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	100RB#0-75RB#0	21.4	21.95	33	PAS S
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	1RB#0-0RB#0	22.59	23.14	33	PAS S
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	100RB#0-75RB#0	21.46	22.01	33	PAS S
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	1RB#0-0RB#0	21.94	22.49	33	PAS S
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	100RB#0-75RB#0	21.39	21.94	33	PAS S
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	1RB#0-0RB#0	21.78	22.33	33	PAS S
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	100RB#0-75RB#0	21.4	21.95	33	PAS S
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	1RB#0-0RB#0	21.78	22.33	33	PAS S
7-7	20MHz-15MHz	256QAM-256QAM	20850-21021	100RB#0-75RB#0	19.52	20.07	33	PAS S
7-7	20MHz-15MHz	256QAM-256QAM	20850-21021	1RB#0-0RB#0	18.88	19.43	33	PAS S
7-7	20MHz-15MHz	256QAM-256QAM	21026-21197	100RB#0-75RB#0	19.4	19.95	33	PAS S
7-7	20MHz-15MHz	256QAM-256QAM	21026-21197	1RB#0-0RB#0	18.91	19.46	33	PAS S
7-7	20MHz-15MHz	256QAM-256QAM	21201-21372	100RB#0-75RB#0	19.42	19.97	33	PAS S
7-7	20MHz-15MHz	256QAM-256QAM	21201-21372	1RB#0-0RB#0	18.69	19.24	33	PAS S
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	22.46	23.01	33	PAS S
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	1RB#0-0RB#0	23.6	24.15	33	PAS S
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	22.33	22.88	33	PAS S
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	1RB#0-0RB#0	23.52	24.07	33	PAS S



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7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	22.4 1	22.9 6	33	PAS S
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	1RB#0-0RB#0	23.4 7	24.0 2	33	PAS S
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	100RB#0-100RB#0	21.4 4	21.9 9	33	PAS S
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	1RB#0-0RB#0	22.8 7	23.4 2	33	PAS S
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	100RB#0-100RB#0	21.3 8	21.9 3	33	PAS S
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	1RB#0-0RB#0	22.6 1	23.1 6	33	PAS S
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	100RB#0-100RB#0	21.3 9	21.9 4	33	PAS S
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	1RB#0-0RB#0	22.6 8	23.2 3	33	PAS S
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	100RB#0-100RB#0	21.4 8	22.0 3	33	PAS S
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	1RB#0-0RB#0	21.9 6	22.5 1	33	PAS S
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	100RB#0-100RB#0	21.3 6	21.9 1	33	PAS S
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	1RB#0-0RB#0	21.6 8	22.2 3	33	PAS S
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	100RB#0-100RB#0	21.4 1	21.9 6	33	PAS S
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	1RB#0-0RB#0	21.7 2	22.2 7	33	PAS S
7-7	20MHz-20MHz	256QAM-256QAM	20850-21048	100RB#0-100RB#0	19.4 9	20.0 4	33	PAS S
7-7	20MHz-20MHz	256QAM-256QAM	20850-21048	1RB#0-0RB#0	18.9 8	19.5 3	33	PAS S
7-7	20MHz-20MHz	256QAM-256QAM	21001-21199	100RB#0-100RB#0	19.3 4	19.8 9	33	PAS S
7-7	20MHz-20MHz	256QAM-256QAM	21001-21199	1RB#0-0RB#0	19.3 9	19.9 4	33	PAS S
7-7	20MHz-20MHz	256QAM-256QAM	21152-21350	100RB#0-100RB#0	19.3 8	19.9 3	33	PAS S



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7-7	20MHz- 20MHz	256QAM- 256QAM	21152- 21350	1RB#0-0RB#0	18.5 5	19.1	33	PAS S
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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	8.26	13	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	8.24	13	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	8.24	13	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	100RB#0-100RB#0	8.24	13	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	100RB#0-100RB#0	8.20	13	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	100RB#0-100RB#0	8.30	13	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	100RB#0-100RB#0	8.22	13	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	100RB#0-100RB#0	8.24	13	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	100RB#0-100RB#0	8.24	13	PASS
7-7	20MHz-20MHz	256QAM-256QAM	20850-21048	100RB#0-100RB#0	8.30	13	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21001-21199	100RB#0-100RB#0	8.32	13	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21152-21350	100RB#0-100RB#0	8.30	13	PASS



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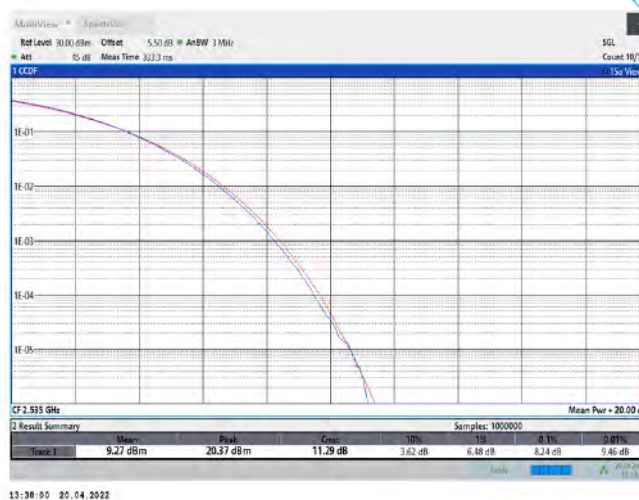
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Test Graphs

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



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



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7-7-20MHz-20MHz-16QAM-16QAM-20850-21048-100RB#0-100RB#0



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7-7-20MHz-20MHz-16QAM-16QAM-21001-21199-100RB#0-100RB#0



7-7-20MHz-20MHz-16QAM-16QAM-21152-21350-100RB#0-100RB#0



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7-7-20MHz-20MHz-64QAM-64QAM-20850-21048-100RB#0-100RB#0



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



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7-7-20MHz-20MHz-64QAM-64QAM-21152-21350-100RB#0-100RB#0



7-7-20MHz-20MHz-256QAM-256QAM-20850-21048-100RB#0-100RB#0



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7-7-20MHz-20MHz-256QAM-256QAM-21001-21199-100RB#0-100RB#0



7-7-20MHz-20MHz-256QAM-256QAM-21152-21350-100RB#0-100RB#0



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Modulation Characteristics

Test Result

7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	50RB#0-50RB#0	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	50RB#0-50RB#0	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	50RB#0-50RB#0	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21001-21199	50RB#0-50RB#0	PASS



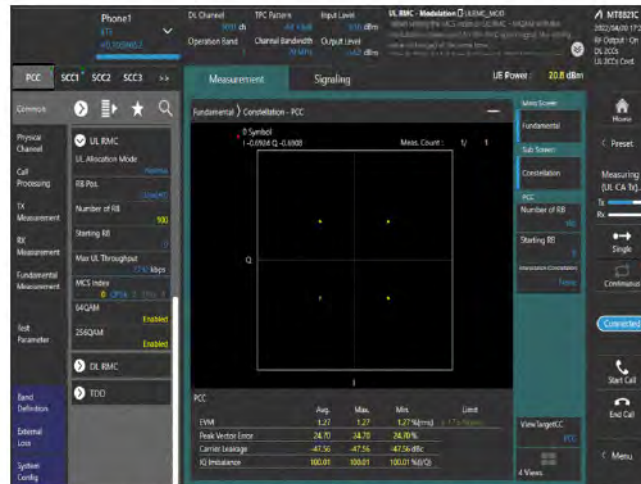
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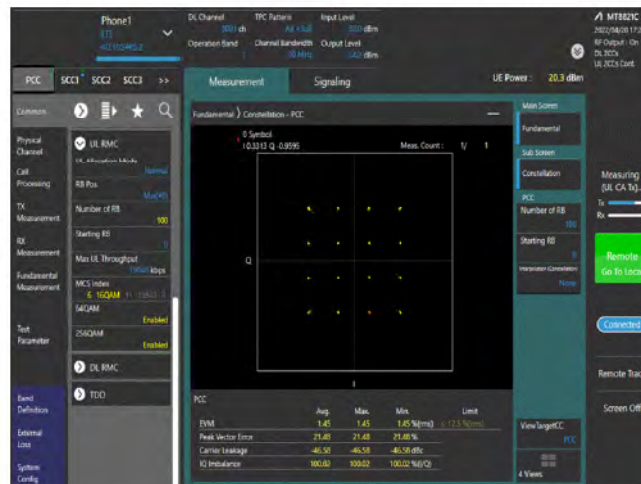
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7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-100RB#0-100RB#0



7-7-20MHz-20MHz-16QAM-16QAM -21001-21199-100RB#0-100RB#0



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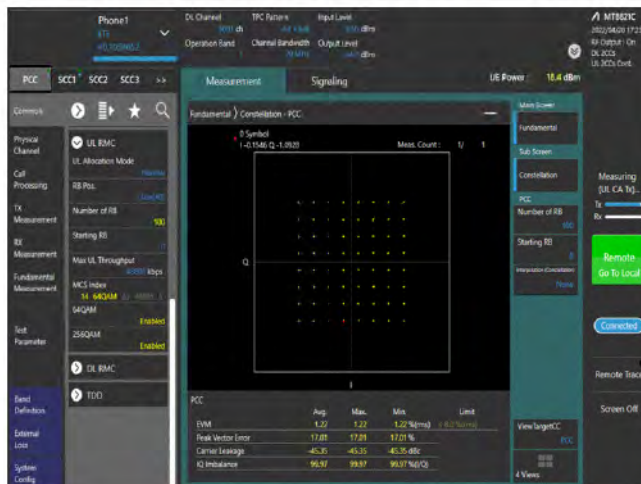
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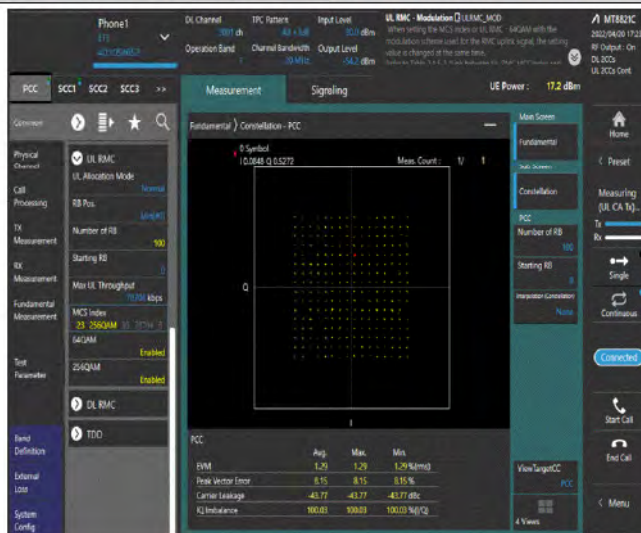
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7-7-20MHz-20MHz-64QAM-64QAM-221001-21199-100RB#0-100RB#0



7-7-20MHz-20MHz-256QAM-256QAM-21001-21199-100RB#0-100RB#0



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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	27.57	28.98	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	27.713	29.52	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	50RB#0-100RB#0	27.679	29.46	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	27.717	29.52	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	27.643	29.22	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	50RB#0-100RB#0	27.676	29.28	PASS
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	50RB#0-100RB#0	27.672	29.46	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	50RB#0-100RB#0	27.633	29.28	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	50RB#0-100RB#0	27.669	29.28	PASS
7-7	10MHz-20MHz	256QAM-256QAM	20805-20949	50RB#0-100RB#0	27.723	29.64	PASS
7-7	10MHz-20MHz	256QAM-256QAM	21006-21150	50RB#0-100RB#0	27.636	29.52	PASS
7-7	10MHz-20MHz	256QAM-256QAM	21206-21350	50RB#0-100RB#0	27.650	29.28	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	75RB#0-50RB#0	23.137	24.90	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	23.161	24.95	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	75RB#0-50RB#0	23.156	24.90	PASS
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	75RB#0-50RB#0	23.159	24.95	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	75RB#0-50RB#0	23.100	24.85	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	75RB#0-50RB#0	23.122	25.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	75RB#0-50RB#0	23.148	24.95	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	75RB#0-50RB#0	23.146	24.90	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	75RB#0-50RB#0	23.073	24.90	PASS
7-7	15MHz-10MHz	256QAM-256QAM	20825-20945	75RB#0-50RB#0	23.120	24.75	PASS
7-7	15MHz-10MHz	256QAM-256QAM	21051-21171	75RB#0-50RB#0	23.105	25.00	PASS
7-7	15MHz-10MHz	256QAM-256QAM	21277-21397	75RB#0-50RB#0	23.067	24.90	PASS
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	75RB#0-75RB#0	28.304	30.36	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	75RB#0-75RB#0	28.228	30.12	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	75RB#0-75RB#0	28.263	30.24	PASS
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	75RB#0-75RB#0	28.315	30.24	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	75RB#0-75RB#0	28.265	30.12	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	75RB#0-75RB#0	28.272	30.30	PASS



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7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	75RB#0-75RB#0	28.254	30.18	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	75RB#0-75RB#0	28.280	30.30	PASS
7-7	15MHz-15MHz	256QAM-256QAM	20825-20975	75RB#0-75RB#0	28.231	30.00	PASS
7-7	15MHz-15MHz	256QAM-256QAM	21025-21175	75RB#0-75RB#0	28.277	30.18	PASS
7-7	15MHz-15MHz	256QAM-256QAM	21225-21375	75RB#0-75RB#0	28.257	30.06	PASS
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	75RB#0-100RB#0	32.568	34.51	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	75RB#0-100RB#0	32.577	34.44	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	75RB#0-100RB#0	32.653	34.58	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	75RB#0-100RB#0	32.571	34.44	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	75RB#0-100RB#0	32.451	34.44	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	75RB#0-100RB#0	32.540	34.65	PASS
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	75RB#0-100RB#0	32.557	34.51	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	75RB#0-100RB#0	32.488	34.72	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	75RB#0-100RB#0	32.570	34.44	PASS
7-7	15MHz-20MHz	256QAM-256QAM	20828-20999	75RB#0-100RB#0	32.523	34.44	PASS
7-7	15MHz-20MHz	256QAM-256QAM	21003-21174	75RB#0-100RB#0	32.507	34.51	PASS
7-7	15MHz-20MHz	256QAM-256QAM	21179-21350	75RB#0-100RB#0	32.570	34.86	PASS
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	100RB#0-50RB#0	27.702	29.70	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	27.758	29.70	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	27.746	29.64	PASS
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	100RB#0-50RB#0	27.762	29.70	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	100RB#0-50RB#0	27.696	29.82	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	100RB#0-50RB#0	27.686	29.76	PASS
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	100RB#0-50RB#0	27.684	29.64	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	100RB#0-50RB#0	27.702	29.76	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	100RB#0-50RB#0	27.717	29.58	PASS
7-7	20MHz-10MHz	256QAM-256QAM	20850-20994	100RB#0-50RB#0	27.718	29.64	PASS
7-7	20MHz-10MHz	256QAM-256QAM	21051-21195	100RB#0-50RB#0	27.766	29.64	PASS
7-7	20MHz-10MHz	256QAM-256QAM	21251-21395	100RB#0-50RB#0	27.724	29.76	PASS
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	100RB#0-75RB#0	32.557	34.79	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	32.603	34.72	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	100RB#0-75RB#0	32.552	34.65	PASS
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	100RB#0-75RB#0	32.598	34.51	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	100RB#0-75RB#0	32.551	34.58	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	100RB#0-75RB#0	32.613	34.44	PASS
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	100RB#0-75RB#0	32.591	34.65	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	100RB#0-75RB#0	32.558	34.65	PASS



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7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	100RB#0-75RB#0	32.528	34.65	PASS
7-7	20MHz-15MHz	256QAM-256QAM	20850-21021	100RB#0-75RB#0	32.566	34.79	PASS
7-7	20MHz-15MHz	256QAM-256QAM	21026-21197	100RB#0-75RB#0	32.526	34.65	PASS
7-7	20MHz-15MHz	256QAM-256QAM	21201-21372	100RB#0-75RB#0	32.538	34.79	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	37.722	40.40	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	37.719	40.72	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	37.676	40.56	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	100RB#0-100RB#0	37.707	40.40	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	100RB#0-100RB#0	37.719	40.56	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	100RB#0-100RB#0	37.519	40.24	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	100RB#0-100RB#0	37.652	40.48	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	100RB#0-100RB#0	37.687	40.40	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	100RB#0-100RB#0	37.677	40.32	PASS
7-7	20MHz-20MHz	256QAM-256QAM	20850-21048	100RB#0-100RB#0	37.627	40.40	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21001-21199	100RB#0-100RB#0	37.704	40.56	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21152-21350	100RB#0-100RB#0	37.652	40.48	PASS



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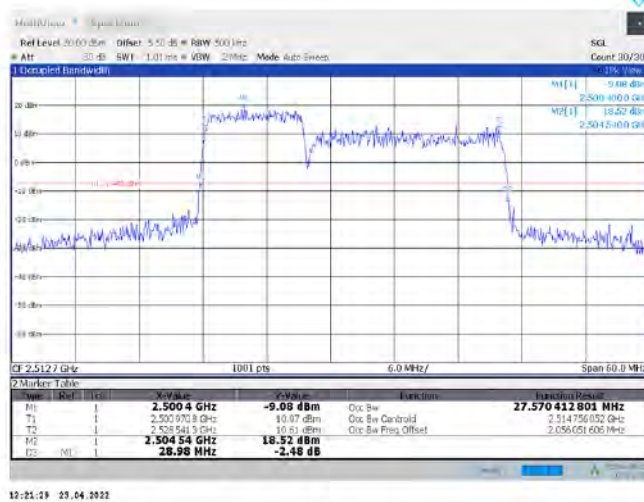
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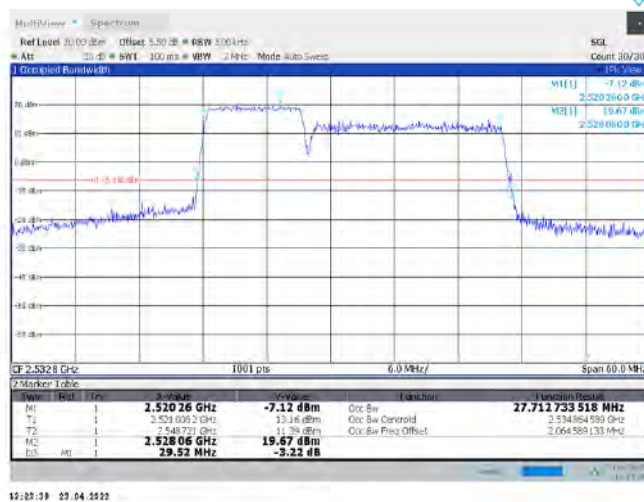
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Test Graphs

7-7-10MHz-20MHz-QPSK-QPSK-20805-20949-50RB#0-100RB#0



7-7-10MHz-20MHz-QPSK-QPSK-21006-21150-50RB#0-100RB#0



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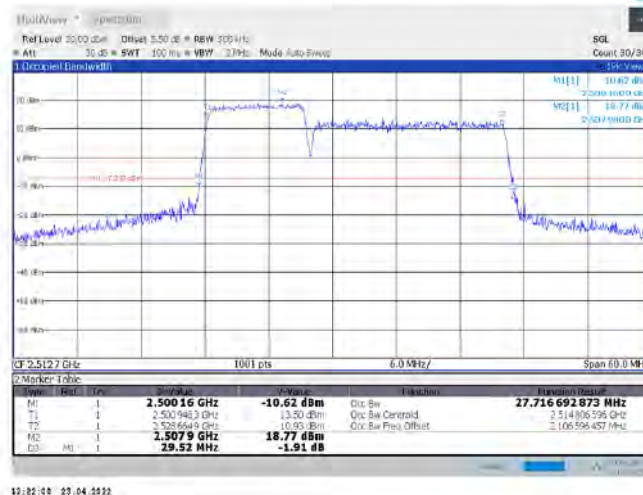
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7-7-10MHz-20MHz-16QAM-16QAM-20805-20949-50RB#0-100RB#0



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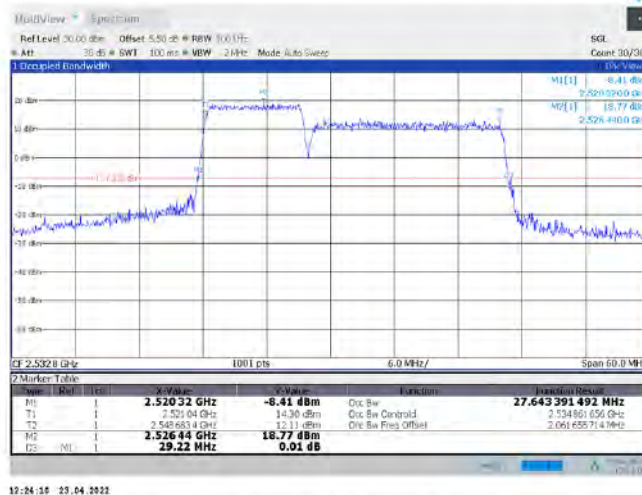
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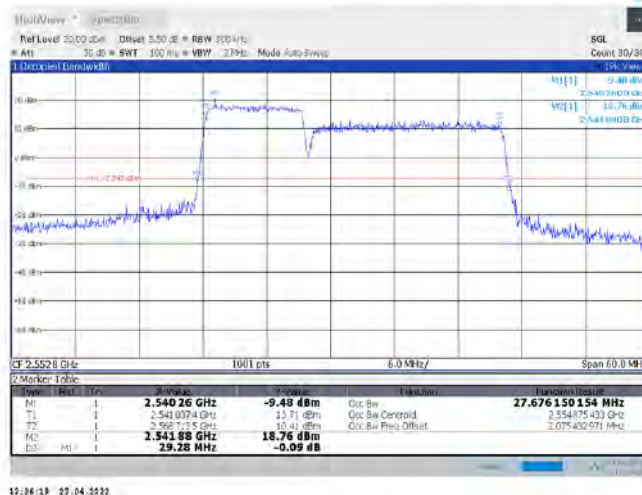
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7-7-10MHz-20MHz-16QAM-16QAM-21006-21150-50RB#0-100RB#0



12:24:18 22.04.2022

7-7-10MHz-20MHz-16QAM-16QAM-21206-21350-50RB#0-100RB#0



12:24:19 22.04.2022



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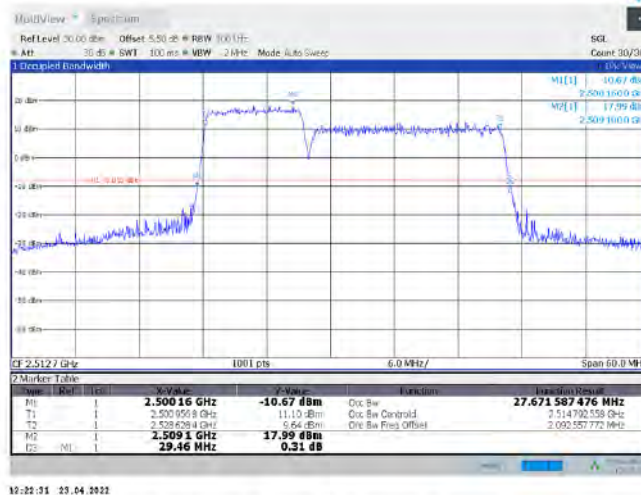
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7-7-10MHz-20MHz-64QAM-64QAM-21006-21150-50RB#0-100RB#0



12:24:41 22.04.2022



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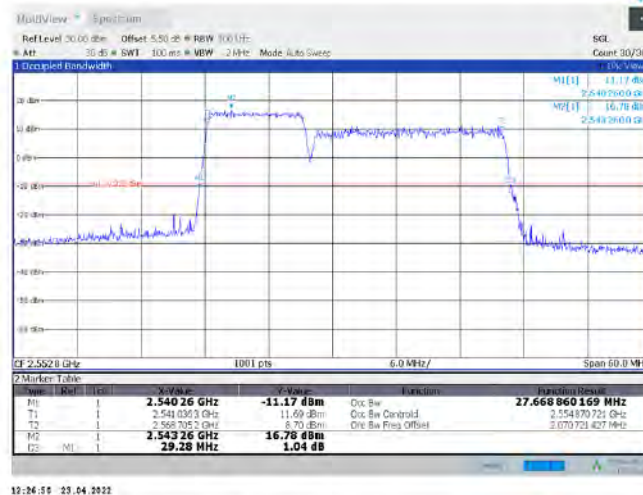
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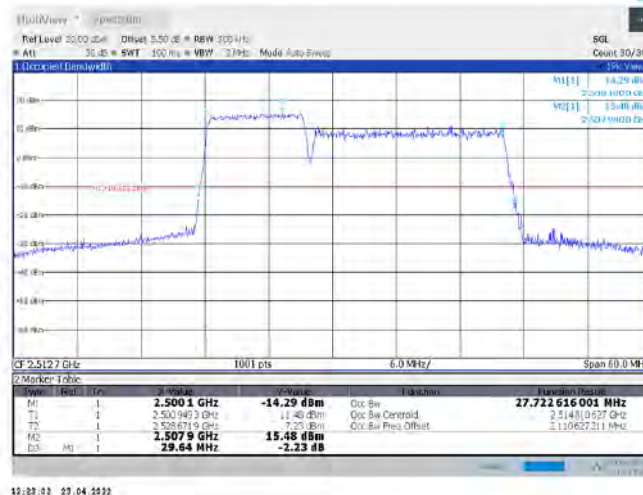
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7-7-10MHz-20MHz-64QAM-64QAM-21206-21350-50RB#0-100RB#0



12:24:10 23.04.2022

7-7-10MHz-20MHz-256QAM-256QAM-20805-20949-50RB#0-100RB#0



12:22:12 23.04.2022



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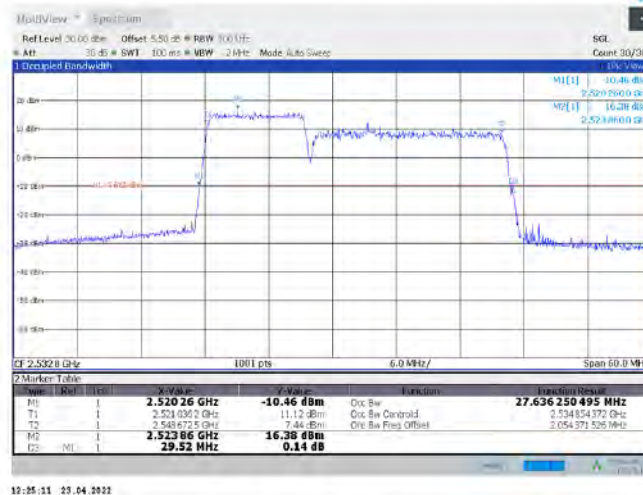
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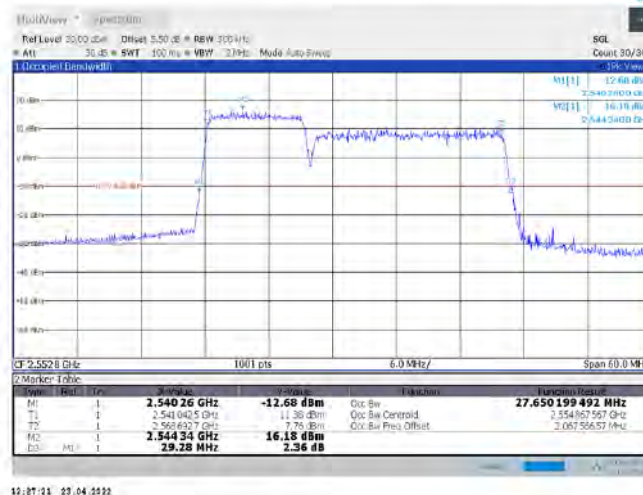
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7-7-10MHz-20MHz-256QAM-256QAM-21006-21150-50RB#0-100RB#0



12:25:11 22.04.2022

7-7-10MHz-20MHz-256QAM-256QAM-21206-21350-50RB#0-100RB#0



12:27:21 22.04.2022



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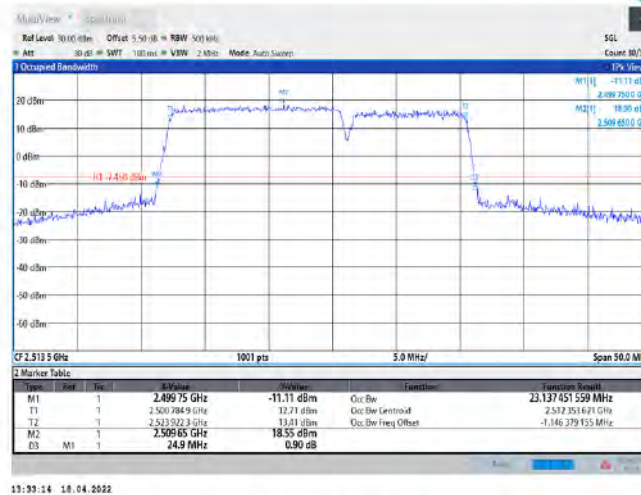
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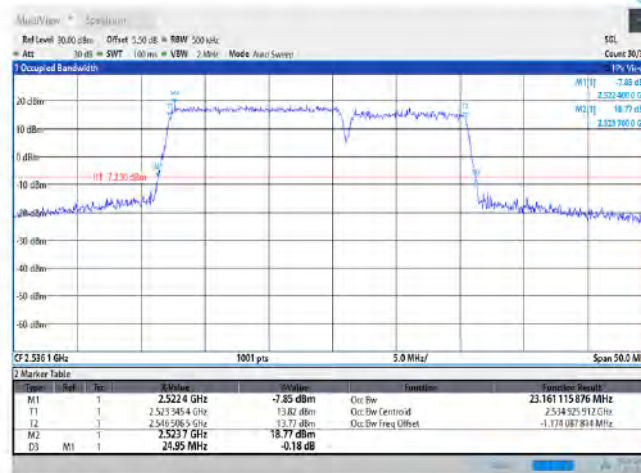
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7-7-15MHz-10MHz-QPSK-QPSK-20825-20945-75RB#0-50RB#0



11:33:14 18.04.2022

7-7-15MHz-10MHz-QPSK-QPSK-21051-21171-75RB#0-50RB#0



11:30:11 20.04.2022



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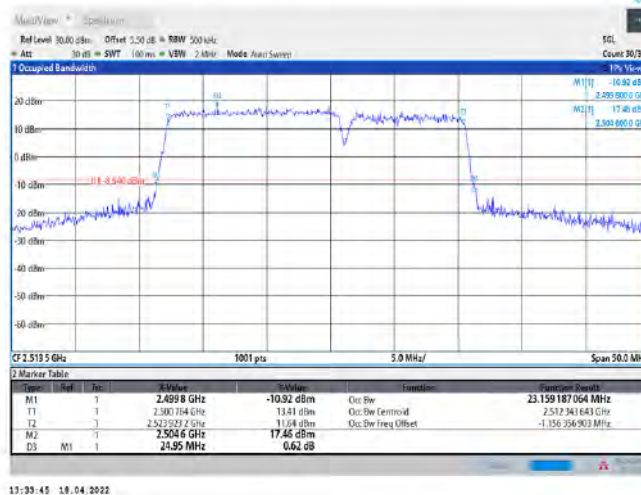
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7-7-15MHz-10MHz-QPSK-QPSK-21277-21397-75RB#0-50RB#0



7-7-15MHz-10MHz-16QAM-16QAM-20825-20945-75RB#0-50RB#0



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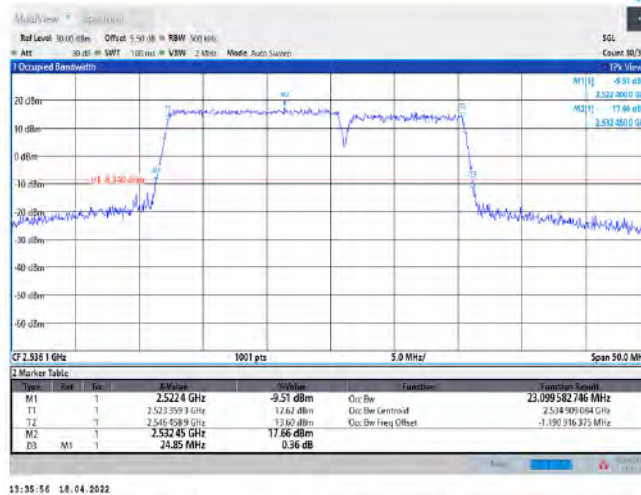
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7-7-15MHz-10MHz-16QAM-16QAM-21051-21171-75RB#0-50RB#0



11:35:56 18.04.2022

7-7-15MHz-10MHz-16QAM-16QAM-21277-21397-75RB#0-50RB#0



11:38:56 18.04.2022



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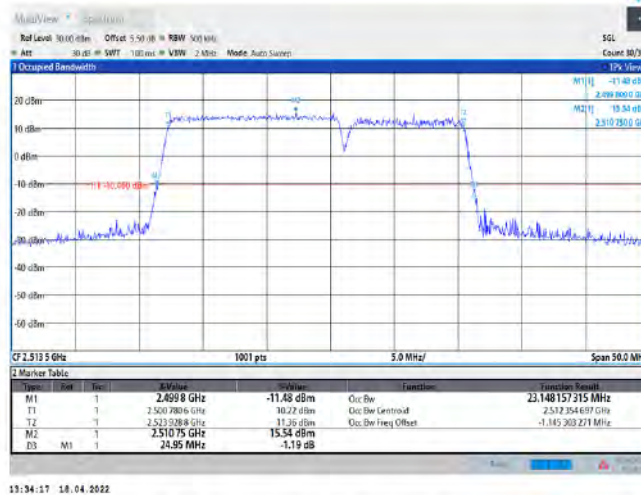
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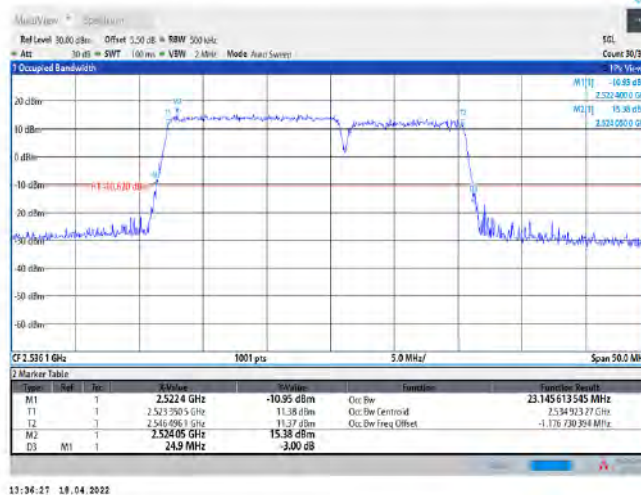
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7-7-15MHz-10MHz-64QAM-64QAM-20825-20945-75RB#0-50RB#0



7-7-15MHz-10MHz-64QAM-64QAM-21051-21171-75RB#0-50RB#0



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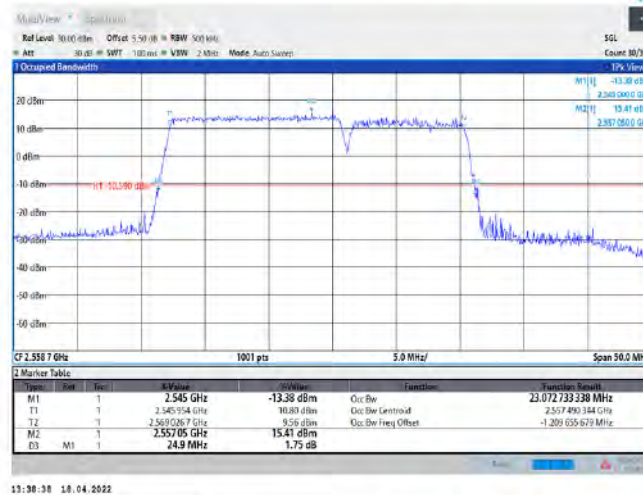
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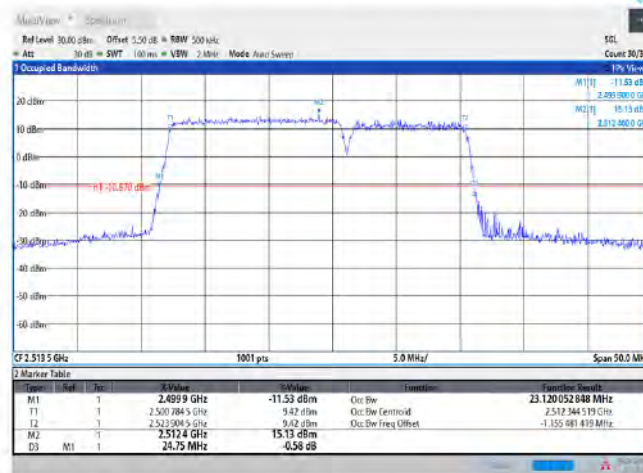
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7-7-15MHz-10MHz-64QAM-64Q3AM-21277-21397-75RB#0-50RB#0



11:38:38 18.04.2022

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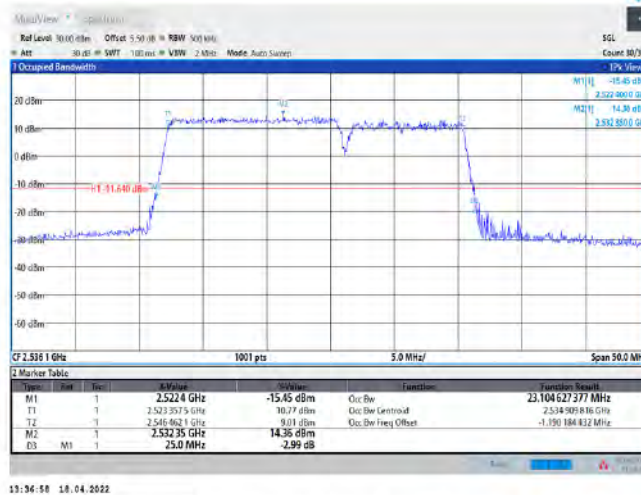
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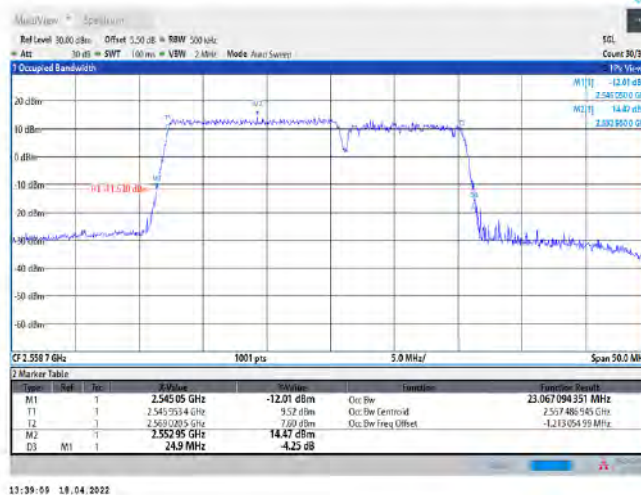
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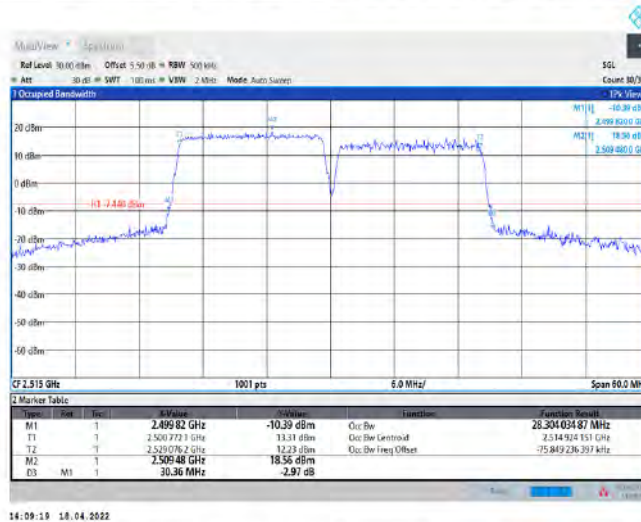
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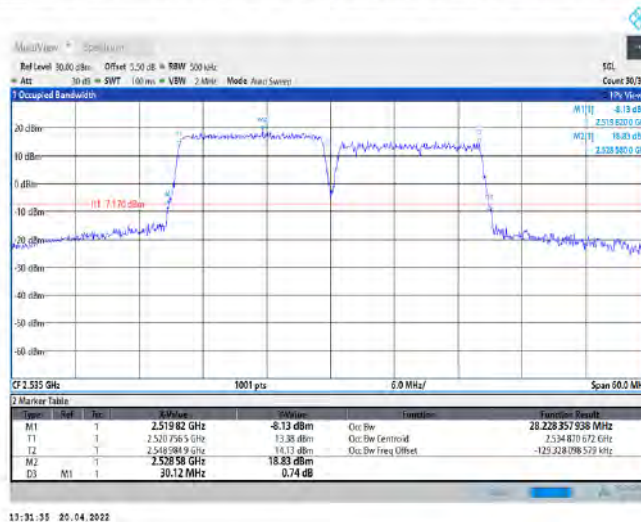
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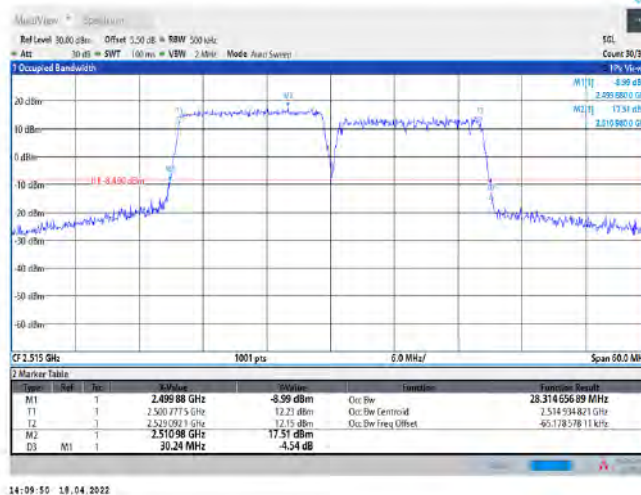
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7-7-15MHz-15MHz-16QAM-16QAM-20825-20975-75RB#0-75RB#0



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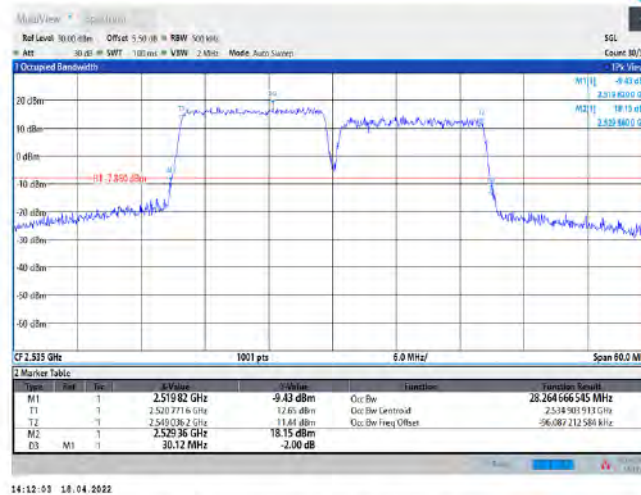
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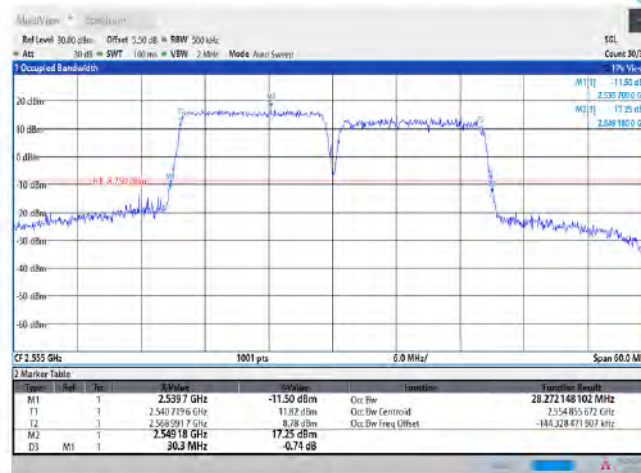
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7-7-15MHz-15MHz-16QAM-16QAM-21225-21375-75RB#0-75RB#0



14:14:14 18.04.2022



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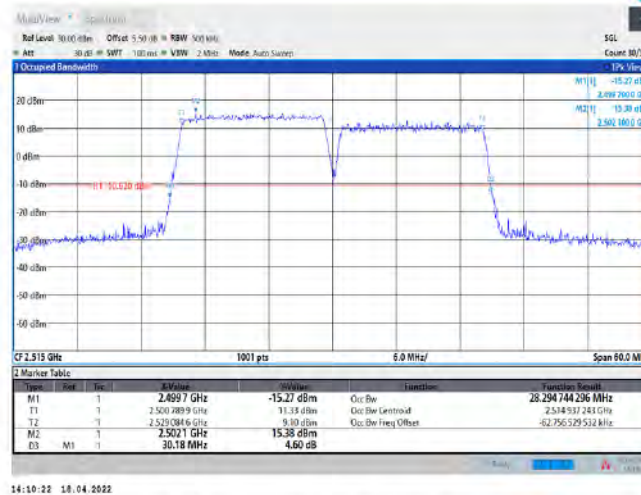
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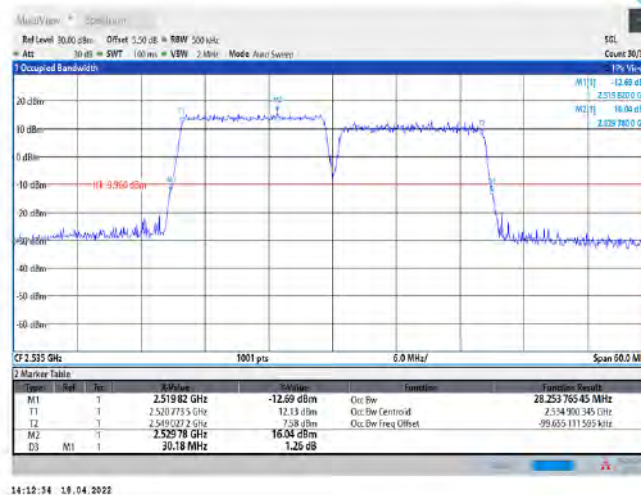
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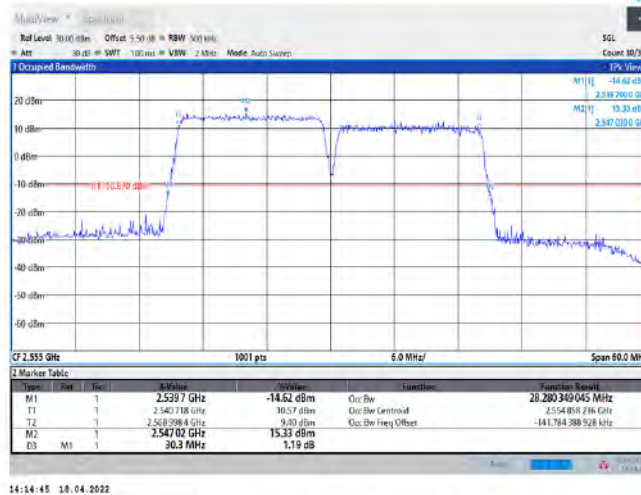
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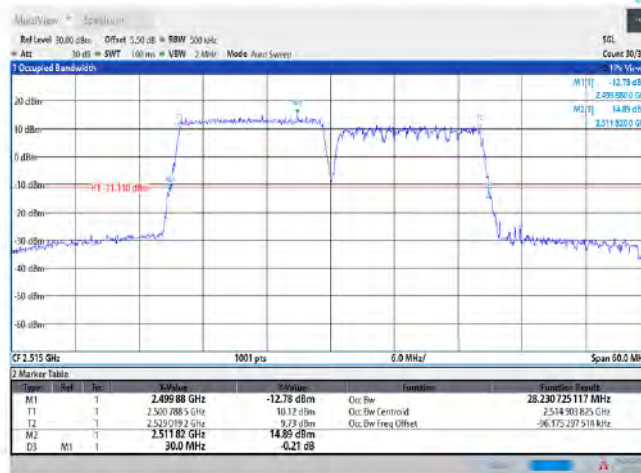
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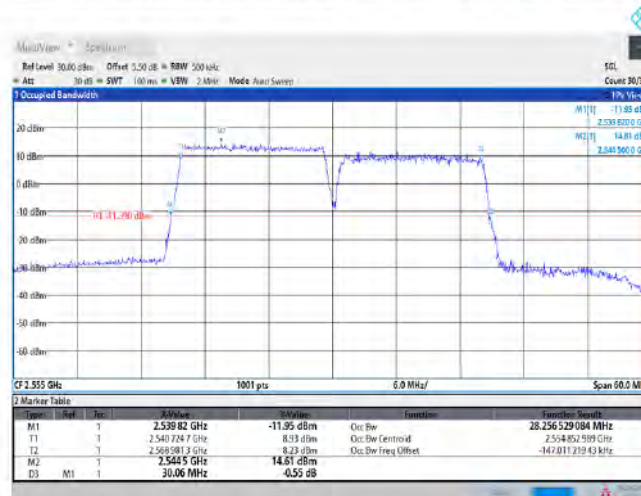
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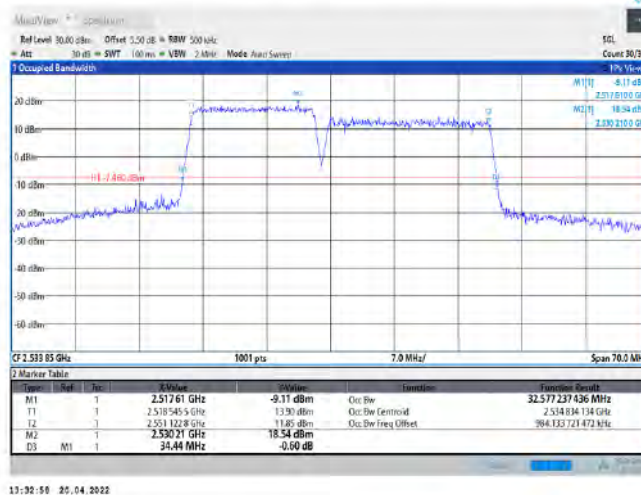
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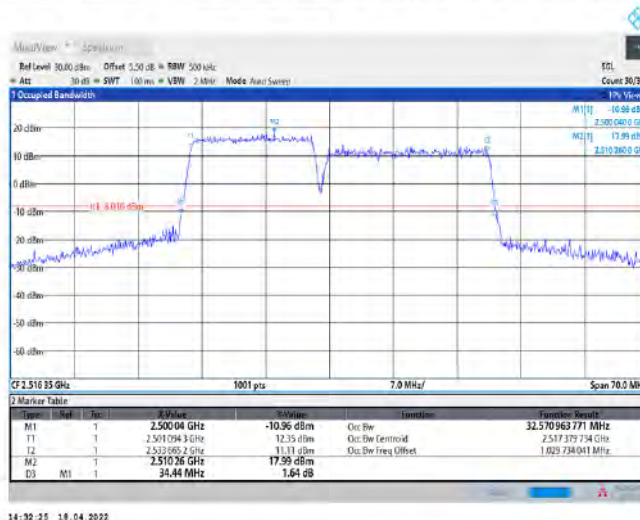
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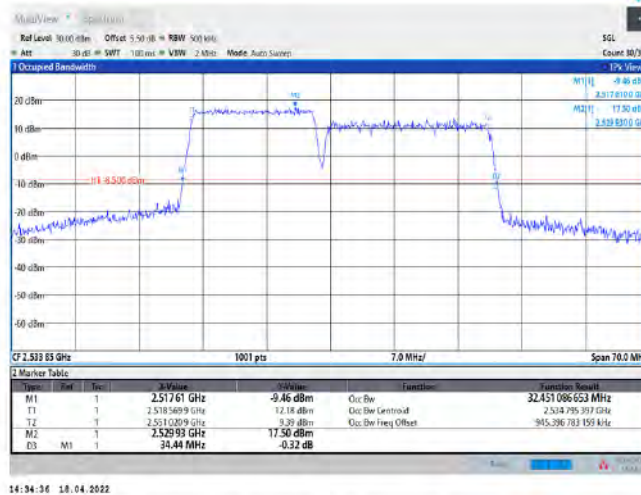
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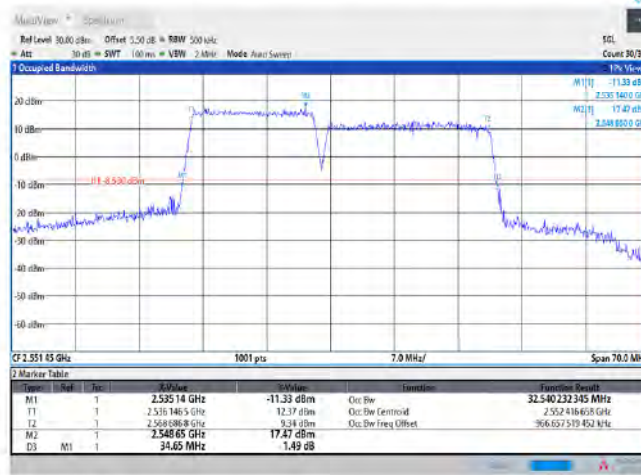
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14:34:36 18.04.2022

7-7-15MHz-20MHz-16QAM-16QAM-21179-21350-75RB#0-100RB#0



14:36:49 18.04.2022



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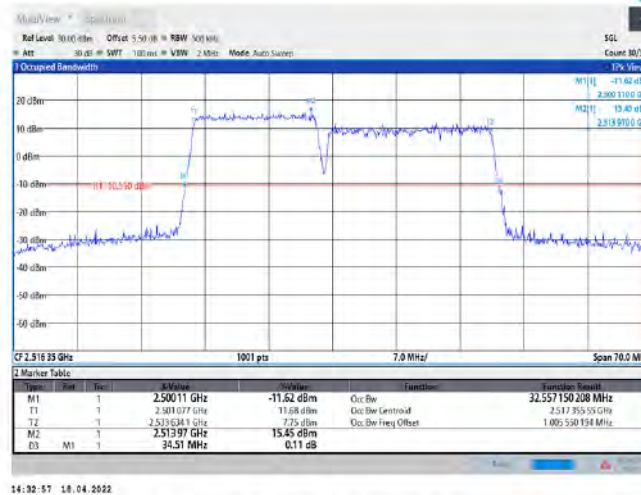
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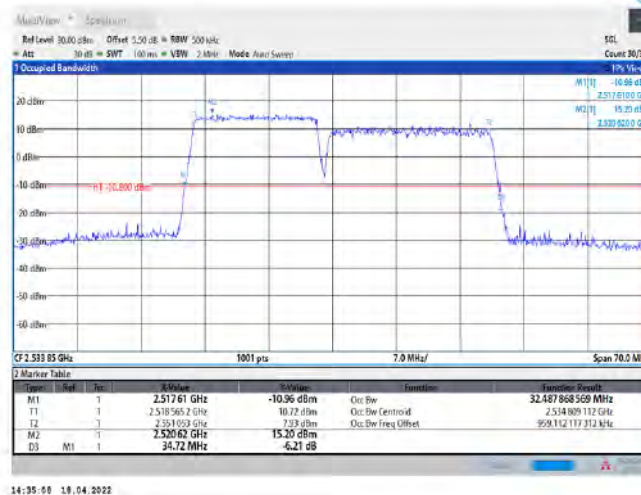
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7-7-15MHz-20MHz-64QAM-643QAM-20828-20999-75RB#0-100RB#0



7-7-15MHz-20MHz-64QAM-64QAM-21003-21174-75RB#0-100RB#0



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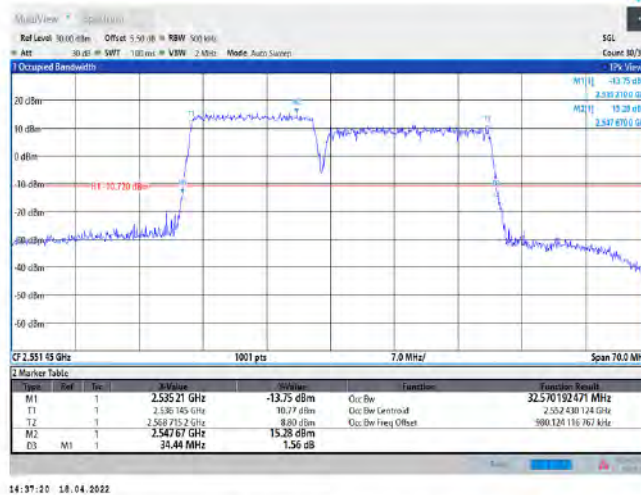
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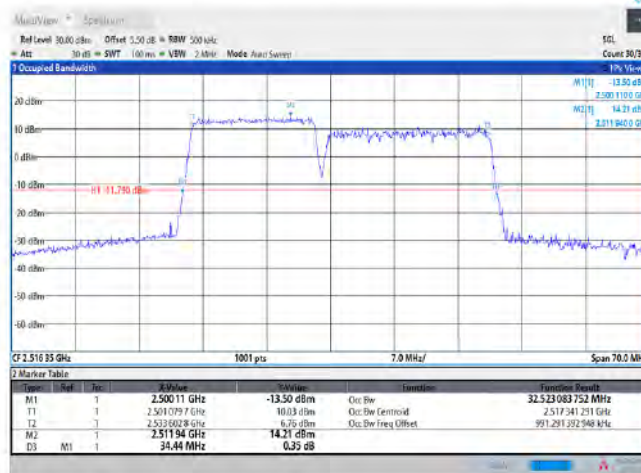
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7-7-15MHz-20MHz-64QAM-64QAM-21179-21350-75RB#0-100RB#0



14:37:20 18.04.2022

7-7-15MHz-20MHz-256QAM-256QAM-20828-20999-75RB#0-100RB#0



14:33:20 18.04.2022



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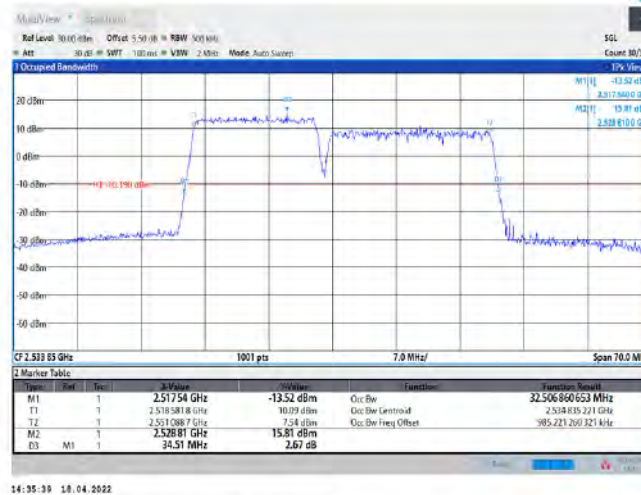
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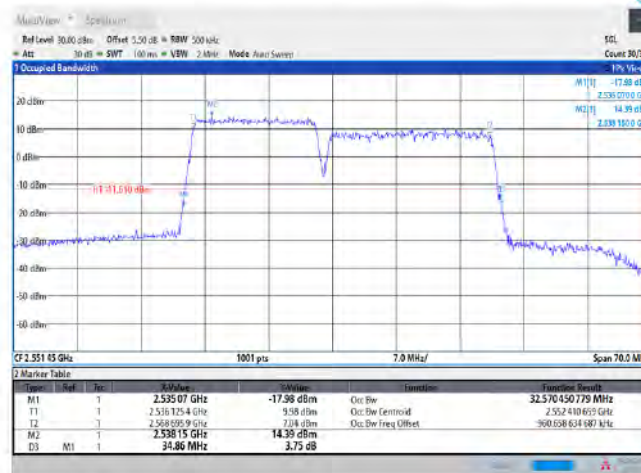
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7-7-15MHz-20MHz-256QAM-256QAM-21003-21174-75RB#0-100RB#0



14:35:39 18.04.2022

7-7-15MHz-20MHz-256QAM-256QAM-21179-21350-75RB#0-100RB#0



14:37:52 18.04.2022



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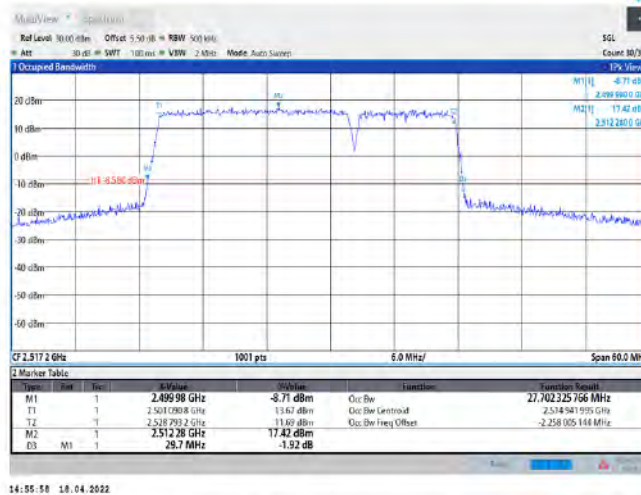
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14:55:58 18.04.2022

7-7-20MHz-10MHz-QPSK-QPSK-21051-21195-100RB#0-50RB#0



11:34:55 20.04.2022



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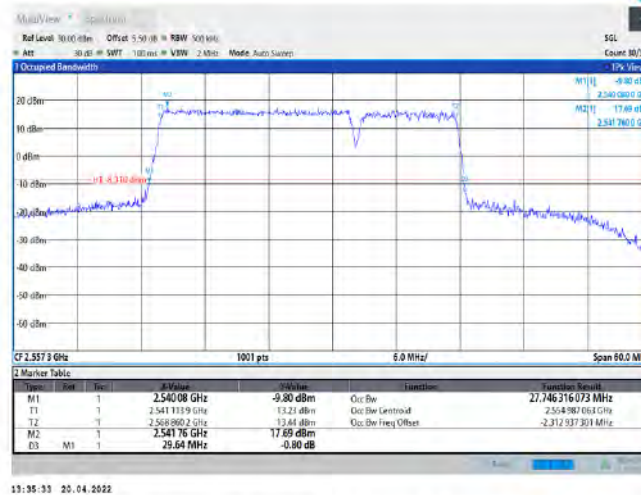
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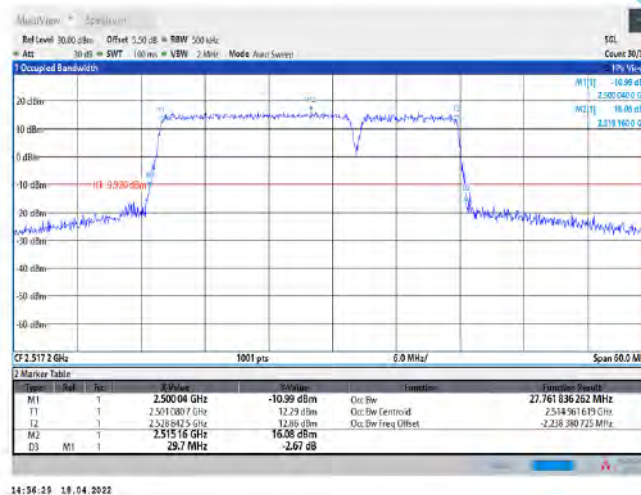
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7-7-20MHz-10MHz-16QAM-16QAM-20850-20994-100RB#0-50RB#0



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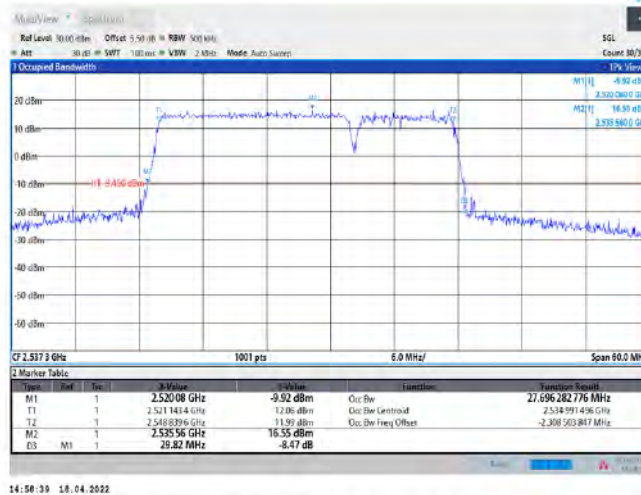
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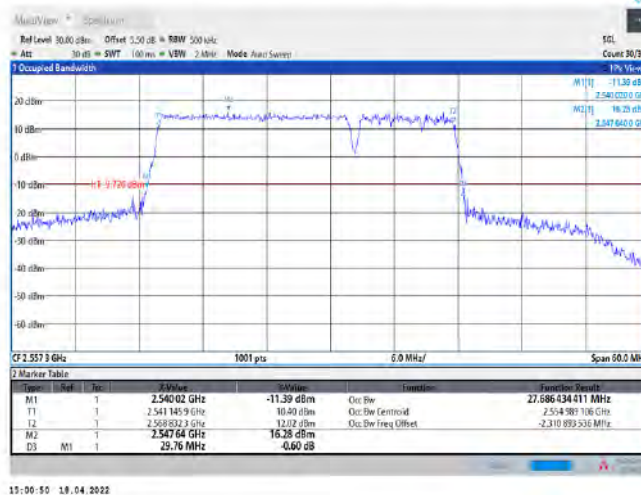
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7-7-20MHz-10MHz-16QAM-16QAM-21051-21195-100RB#0-50RB#0



7-7-20MHz-10MHz-16QAM-16QAM-21251-21395-100RB#0-50RB#0



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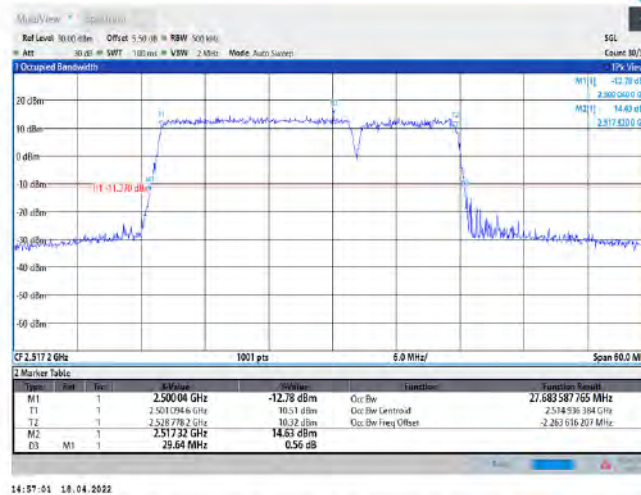
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14:57:01 18.04.2022

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14:59:11 18.04.2022



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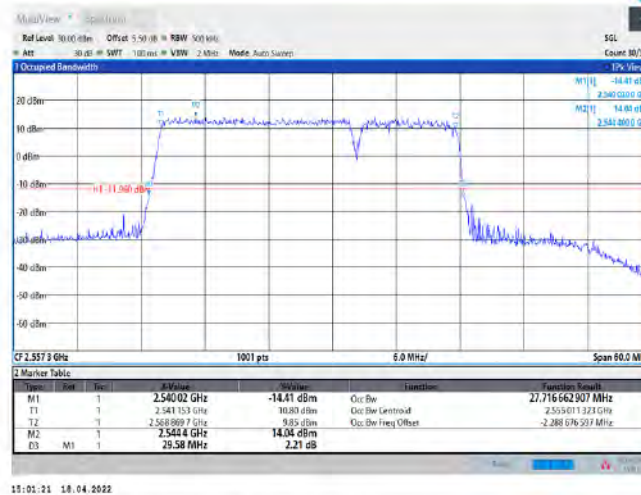
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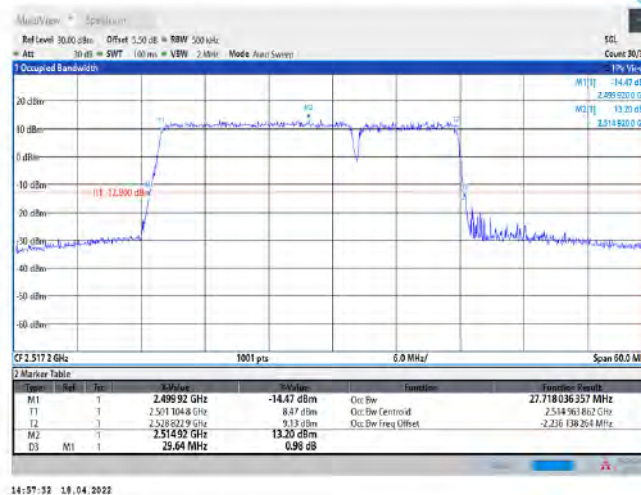
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7-7-20MHz-10MHz-64QAM-64QAM-21251-21395-100RB#0-50RB#0



7-7-20MHz-10MHz-256QAM-256QAM-20850-20994-100RB#0-50RB#0



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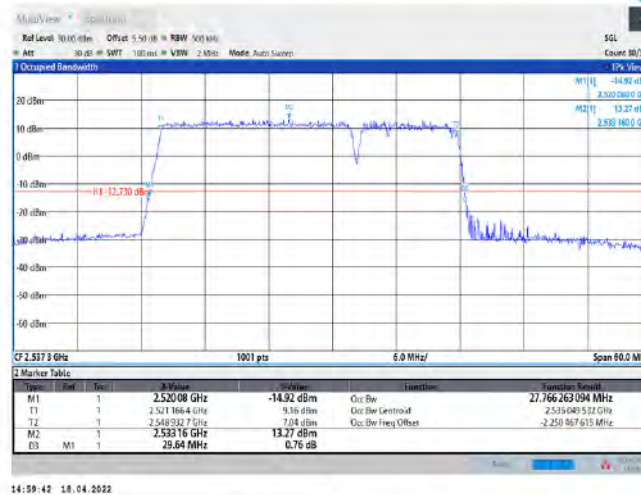
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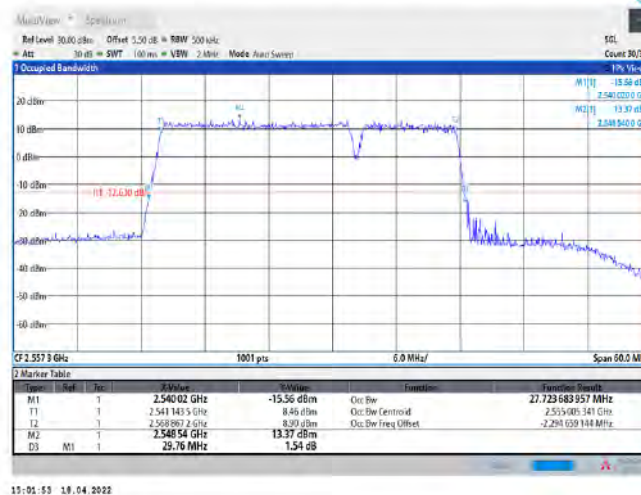
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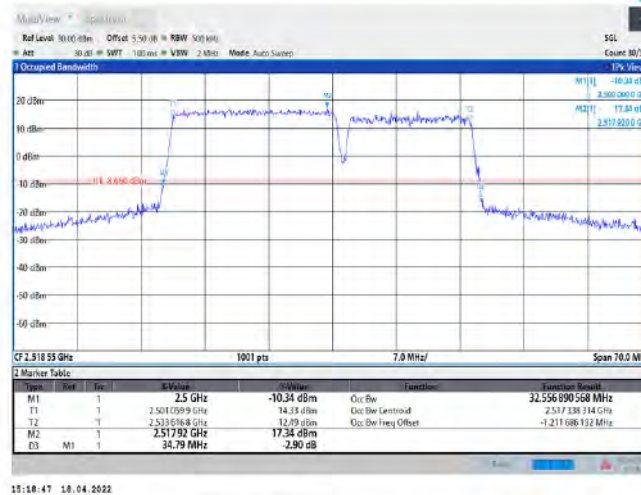
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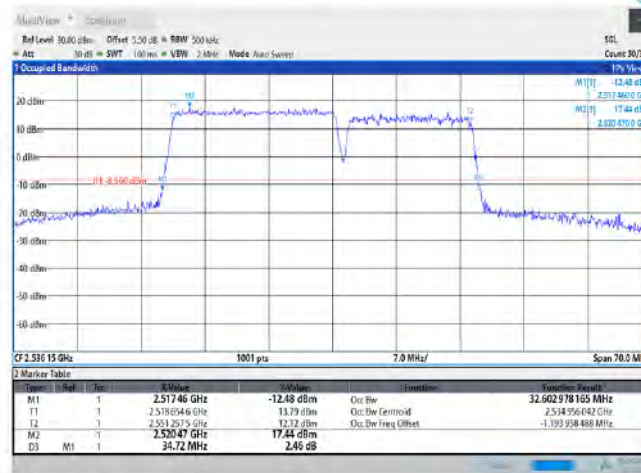
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7-7-20MHz-15MHz-QPSK-QPSK-20850-21021-100RB#0-75RB#0



11:18:47 18.04.2022

7-7-20MHz-15MHz-QPSK-QPSK-21026-21197-100RB#0-75RB#0



11:34:30 20.04.2022



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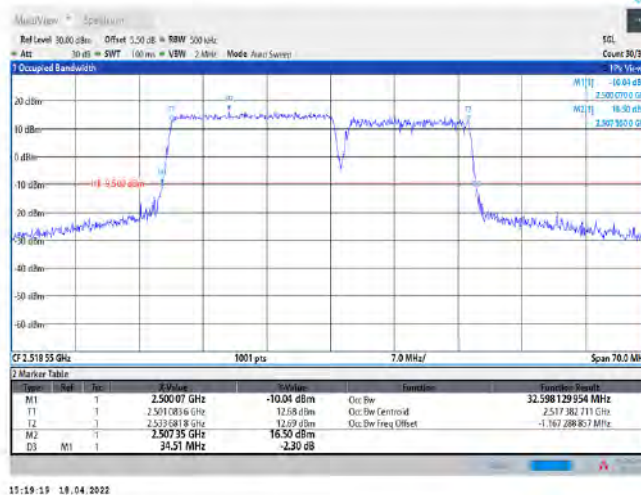
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7-7-20MHz-15MHz-QPSK-QPSK-21201-21372-100RB#0-75RB#0



7-7-20MHz-15MHz-16QAM-16QAM-20850-21021-100RB#0-75RB#0



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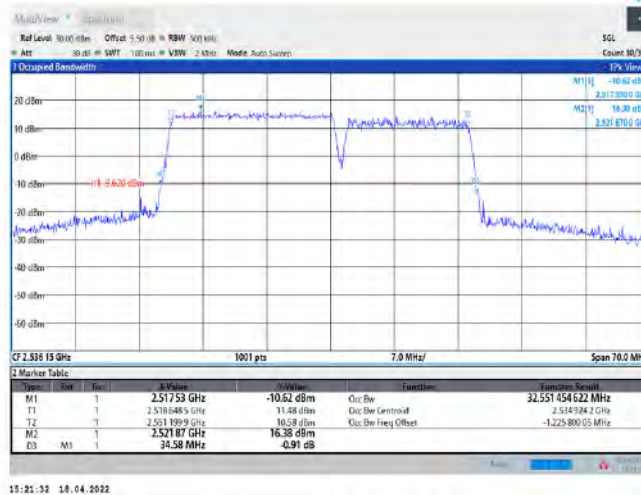
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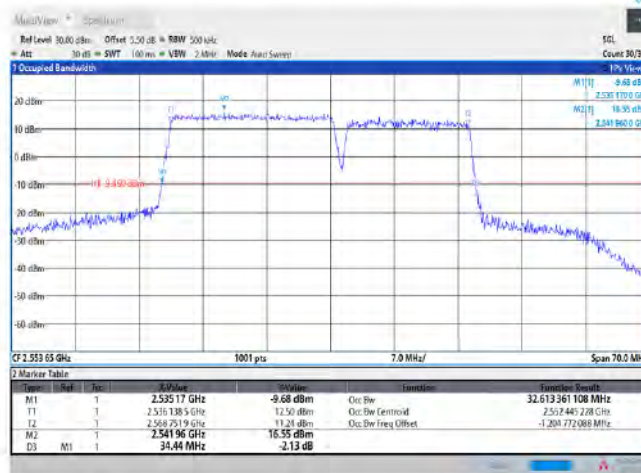
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11:21:32 18.04.2022

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11:23:43 18.04.2022



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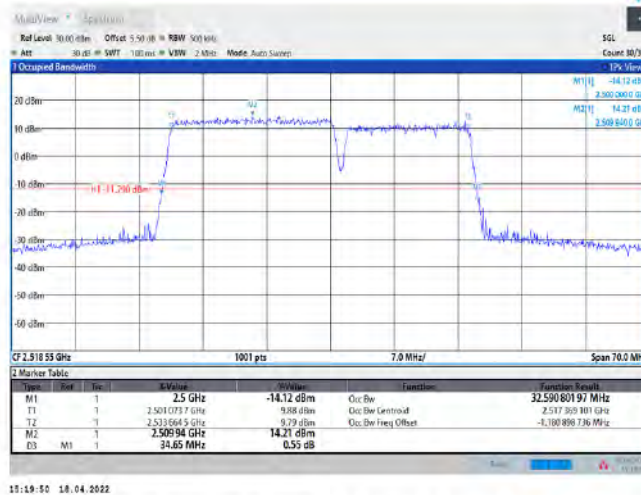
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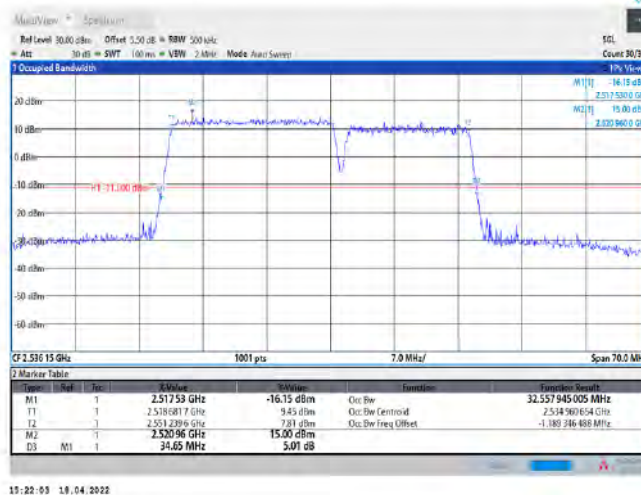
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7-7-20MHz-15MHz-64QAM-64QAM-20850-21021-100RB#0-75RB#0



11:19:50 18.04.2022

7-7-20MHz-15MHz-64QAM-64QAM-21026-21197-100RB#0-75RB#0



11:22:03 18.04.2022



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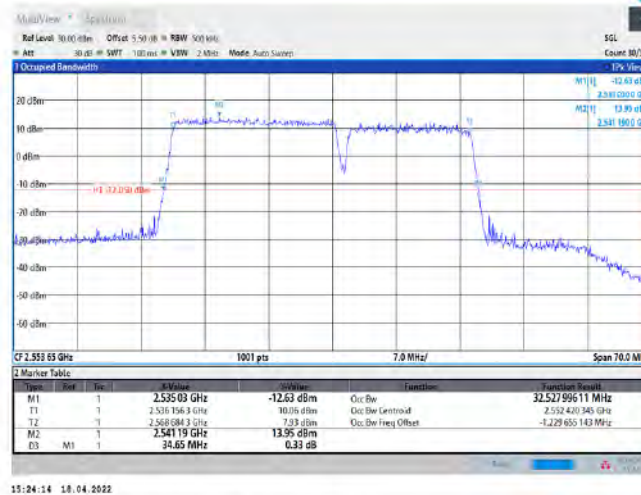
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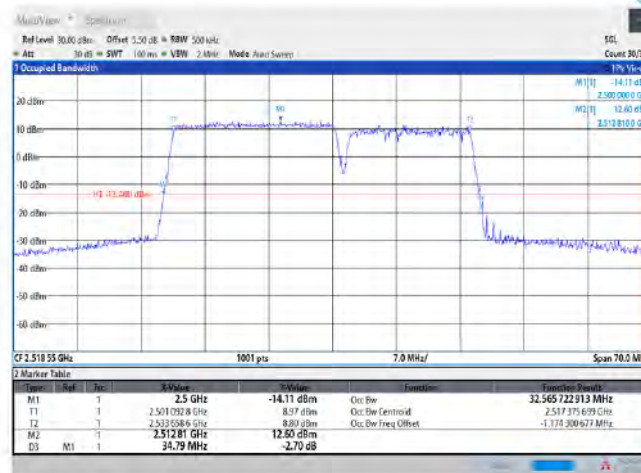
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11:24:14 18.04.2022

7-7-20MHz-15MHz-256QAM-256QAM-20850-21021-100RB#0-75RB#0



11:20:22 18.04.2022



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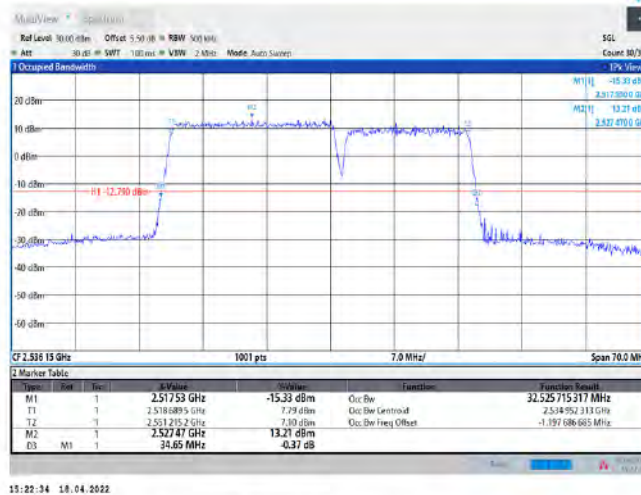
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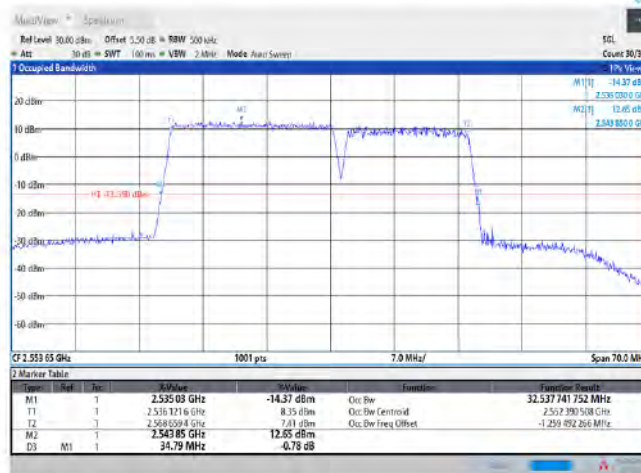
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7-7-20MHz-15MHz-256QAM-256QAM-21026-21197-100RB#0-75RB#0



11:22:34 18.04.2022

7-7-20MHz-15MHz-256QAM-256QAM-21201-21372-100RB#0-75RB#0



11:24:45 18.04.2022



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