

Report No.: SEWM2305000166RG01

Rev.: 01

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Appendix B.19

LTE CA_7C



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Effective (Isotropic) Radiated Power Output Data

Test Result

Ant31:

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	20.86	20.9	33.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	50RB#0-100RB#0	21.8	21.84	33.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	1RB#0-0RB#0	20.92	20.96	33.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	21.73	21.77	33.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	1RB#0-0RB#0	20.8	20.84	33.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	50RB#0-100RB#0	21.72	21.76	33.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	1RB#0-0RB#0	22.34	22.38	33.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	22.88	22.92	33.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	1RB#0-0RB#0	22.3	22.34	33.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	22.85	22.89	33.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	1RB#0-0RB#0	22.29	22.33	33.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	50RB#0-100RB#0	22.83	22.87	33.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	1RB#0-0RB#0	21.31	21.35	33.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	50RB#0-100RB#0	20.83	20.87	33.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	1RB#0-0RB#0	21.3	21.34	33.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	50RB#0-100RB#0	20.82	20.86	33.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	1RB#0-0RB#0	21.32	21.36	33.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	50RB#0-100RB#0	20.83	20.87	33.00	PASS
7-7	10MHz-20MHz	256QAM-256QAM	20805-20949	1RB#0-0RB#0	18.16	18.2	33.00	PASS
7-7	10MHz-20MHz	256QAM-256QAM	20805-20949	50RB#0-100RB#0	18.79	18.83	33.00	PASS
7-7	10MHz-20MHz	256QAM-256QAM	21006-21150	1RB#0-0RB#0	18.19	18.23	33.00	PASS
7-7	10MHz-20MHz	256QAM-256QAM	21006-21150	50RB#0-100RB#0	18.8	18.84	33.00	PASS
7-7	10MHz-20MHz	256QAM-256QAM	21206-21350	1RB#0-0RB#0	18.15	18.19	33.00	PASS
7-7	10MHz-20MHz	256QAM-256QAM	21206-21350	50RB#0-100RB#0	18.8	18.84	33.00	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	1RB#0-0RB#0	23.04	23.08	33.00	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	75RB#0-50RB#0	21.99	22.03	33.00	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	1RB#0-0RB#0	22.95	22.99	33.00	PASS



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7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	21.9	21.94	33.00	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	1RB#0-0RB#0	23.08	23.12	33.00	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	75RB#0-50RB#0	21.9	21.94	33.00	PASS
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	1RB#0-0RB#0	22.49	22.53	33.00	PASS
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	75RB#0-50RB#0	20.97	21.01	33.00	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	1RB#0-0RB#0	22.34	22.38	33.00	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	75RB#0-50RB#0	20.97	21.01	33.00	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	1RB#0-0RB#0	22.43	22.47	33.00	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	75RB#0-50RB#0	20.98	21.02	33.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	1RB#0-0RB#0	21.57	21.61	33.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	75RB#0-50RB#0	21.02	21.06	33.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	1RB#0-0RB#0	21.52	21.56	33.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	75RB#0-50RB#0	20.93	20.97	33.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	1RB#0-0RB#0	21.52	21.56	33.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	75RB#0-50RB#0	20.99	21.03	33.00	PASS
7-7	15MHz-10MHz	256QAM-256QAM	20825-20945	1RB#0-0RB#0	18.39	18.43	33.00	PASS
7-7	15MHz-10MHz	256QAM-256QAM	20825-20945	75RB#0-50RB#0	19.01	19.05	33.00	PASS
7-7	15MHz-10MHz	256QAM-256QAM	21051-21171	1RB#0-0RB#0	18.3	18.34	33.00	PASS
7-7	15MHz-10MHz	256QAM-256QAM	21051-21171	75RB#0-50RB#0	18.9	18.94	33.00	PASS
7-7	15MHz-10MHz	256QAM-256QAM	21277-21397	1RB#0-0RB#0	18.3	18.34	33.00	PASS
7-7	15MHz-10MHz	256QAM-256QAM	21277-21397	75RB#0-50RB#0	18.95	18.99	33.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	1RB#0-0RB#0	20.97	21.01	33.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	75RB#0-75RB#0	21.96	22	33.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	1RB#0-0RB#0	20.96	21	33.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	75RB#0-75RB#0	22	22.04	33.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	1RB#0-0RB#0	20.97	21.01	33.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	75RB#0-75RB#0	21.94	21.98	33.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	1RB#0-0RB#0	22.44	22.48	33.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	75RB#0-75RB#0	23.07	23.11	33.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	1RB#0-0RB#0	22.34	22.38	33.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	75RB#0-75RB#0	23.01	23.05	33.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	1RB#0-0RB#0	22.46	22.5	33.00	PASS



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7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	75RB#0-75RB#0	22.98	23.02	33.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	1RB#0-0RB#0	21.6	21.64	33.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	75RB#0-75RB#0	21.09	21.13	33.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	1RB#0-0RB#0	21.49	21.53	33.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	75RB#0-75RB#0	21.01	21.05	33.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	1RB#0-0RB#0	21.43	21.47	33.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	75RB#0-75RB#0	21.07	21.11	33.00	PASS
7-7	15MHz-15MHz	256QAM-256QAM	20825-20975	1RB#0-0RB#0	18.3	18.34	33.00	PASS
7-7	15MHz-15MHz	256QAM-256QAM	20825-20975	75RB#0-75RB#0	19.05	19.09	33.00	PASS
7-7	15MHz-15MHz	256QAM-256QAM	21025-21175	1RB#0-0RB#0	18.26	18.3	33.00	PASS
7-7	15MHz-15MHz	256QAM-256QAM	21025-21175	75RB#0-75RB#0	18.99	19.03	33.00	PASS
7-7	15MHz-15MHz	256QAM-256QAM	21225-21375	1RB#0-0RB#0	18.33	18.37	33.00	PASS
7-7	15MHz-15MHz	256QAM-256QAM	21225-21375	75RB#0-75RB#0	18.97	19.01	33.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	1RB#0-0RB#0	21.01	21.05	33.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	75RB#0-100RB#0	22.01	22.05	33.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	1RB#0-0RB#0	20.91	20.95	33.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	75RB#0-100RB#0	21.91	21.95	33.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	1RB#0-0RB#0	20.93	20.97	33.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	75RB#0-100RB#0	21.93	21.97	33.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	1RB#0-0RB#0	22.46	22.5	33.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	75RB#0-100RB#0	23.09	23.13	33.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	1RB#0-0RB#0	22.44	22.48	33.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	75RB#0-100RB#0	23.05	23.09	33.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	1RB#0-0RB#0	22.33	22.37	33.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	75RB#0-100RB#0	23.05	23.09	33.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	1RB#0-0RB#0	21.51	21.55	33.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	75RB#0-100RB#0	21.1	21.14	33.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	1RB#0-0RB#0	21.48	21.52	33.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	75RB#0-100RB#0	21.03	21.07	33.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	1RB#0-0RB#0	21.45	21.49	33.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	75RB#0-100RB#0	21.03	21.07	33.00	PASS
7-7	15MHz-20MHz	256QAM-256QAM	20828-20999	1RB#0-0RB#0	18.32	18.36	33.00	PASS



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7-7	15MHz-20MHz	256QAM-256QAM	20828-20999	75RB#0-100RB#0	19.02	19.06	33.00	PASS
7-7	15MHz-20MHz	256QAM-256QAM	21003-21174	1RB#0-0RB#0	18.25	18.29	33.00	PASS
7-7	15MHz-20MHz	256QAM-256QAM	21003-21174	75RB#0-100RB#0	18.94	18.98	33.00	PASS
7-7	15MHz-20MHz	256QAM-256QAM	21179-21350	1RB#0-0RB#0	18.27	18.31	33.00	PASS
7-7	15MHz-20MHz	256QAM-256QAM	21179-21350	75RB#0-100RB#0	18.9	18.94	33.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	100RB#0-50RB#0	21.96	22	33.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	1RB#0-0RB#0	21	21.04	33.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	21.93	21.97	33.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	1RB#0-0RB#0	20.99	21.03	33.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	21.9	21.94	33.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	1RB#0-0RB#0	20.95	20.99	33.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	100RB#0-50RB#0	23.04	23.08	33.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	1RB#0-0RB#0	22.44	22.48	33.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	100RB#0-50RB#0	23.02	23.06	33.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	1RB#0-0RB#0	22.35	22.39	33.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	100RB#0-50RB#0	23.04	23.08	33.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	1RB#0-0RB#0	22.38	22.42	33.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	100RB#0-50RB#0	21.03	21.07	33.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	1RB#0-0RB#0	21.56	21.6	33.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	100RB#0-50RB#0	21.01	21.05	33.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	1RB#0-0RB#0	21.53	21.57	33.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	100RB#0-50RB#0	21.03	21.07	33.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	1RB#0-0RB#0	21.46	21.5	33.00	PASS
7-7	20MHz-10MHz	256QAM-256QAM	20850-20994	100RB#0-50RB#0	19.03	19.07	33.00	PASS
7-7	20MHz-10MHz	256QAM-256QAM	20850-20994	1RB#0-0RB#0	18.41	18.45	33.00	PASS
7-7	20MHz-10MHz	256QAM-256QAM	21051-21195	100RB#0-50RB#0	18.97	19.01	33.00	PASS
7-7	20MHz-10MHz	256QAM-256QAM	21051-21195	1RB#0-0RB#0	18.19	18.23	33.00	PASS
7-7	20MHz-10MHz	256QAM-256QAM	21251-21395	100RB#0-50RB#0	19.01	19.05	33.00	PASS
7-7	20MHz-10MHz	256QAM-256QAM	21251-21395	1RB#0-0RB#0	18.32	18.36	33.00	PASS
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	100RB#0-75RB#0	21.95	21.99	33.00	PASS
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	1RB#0-0RB#0	20.88	20.92	33.00	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	21.92	21.96	33.00	PASS



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7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	1RB#0-0RB#0	20.81	20.85	33.00	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	100RB#0-75RB#0	21.92	21.96	33.00	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	1RB#0-0RB#0	20.87	20.91	33.00	PASS
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	100RB#0-75RB#0	23.03	23.07	33.00	PASS
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	1RB#0-0RB#0	22.34	22.38	33.00	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	100RB#0-75RB#0	23	23.04	33.00	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	1RB#0-0RB#0	22.21	22.25	33.00	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	100RB#0-75RB#0	23.02	23.06	33.00	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	1RB#0-0RB#0	22.36	22.4	33.00	PASS
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	100RB#0-75RB#0	21.1	21.14	33.00	PASS
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	1RB#0-0RB#0	21.56	21.6	33.00	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	100RB#0-75RB#0	20.98	21.02	33.00	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	1RB#0-0RB#0	21.48	21.52	33.00	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	100RB#0-75RB#0	21.05	21.09	33.00	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	1RB#0-0RB#0	21.37	21.41	33.00	PASS
7-7	20MHz-15MHz	256QAM-256QAM	20850-21021	100RB#0-75RB#0	19.05	19.09	33.00	PASS
7-7	20MHz-15MHz	256QAM-256QAM	20850-21021	1RB#0-0RB#0	18.39	18.43	33.00	PASS
7-7	20MHz-15MHz	256QAM-256QAM	21026-21197	100RB#0-75RB#0	18.96	19	33.00	PASS
7-7	20MHz-15MHz	256QAM-256QAM	21026-21197	1RB#0-0RB#0	18.35	18.39	33.00	PASS
7-7	20MHz-15MHz	256QAM-256QAM	21201-21372	100RB#0-75RB#0	18.96	19	33.00	PASS
7-7	20MHz-15MHz	256QAM-256QAM	21201-21372	1RB#0-0RB#0	18.37	18.41	33.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	21.97	22.01	33.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	1RB#0-0RB#0	20.97	21.01	33.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	21.91	21.95	33.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	1RB#0-0RB#0	20.94	20.98	33.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	21.94	21.98	33.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	1RB#0-0RB#0	20.94	20.98	33.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	100RB#0-100RB#0	23.04	23.08	33.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	1RB#0-0RB#0	22.47	22.51	33.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	100RB#0-100RB#0	23	23.04	33.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	1RB#0-0RB#0	22.31	22.35	33.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	100RB#0-100RB#0	23	23.04	33.00	PASS



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7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	1RB#0-0RB#0	22.44	22.48	33.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	100RB#0-100RB#0	21.07	21.11	33.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	1RB#0-0RB#0	21.57	21.61	33.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	100RB#0-100RB#0	21.08	21.12	33.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	1RB#0-0RB#0	21.54	21.58	33.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	100RB#0-100RB#0	21.03	21.07	33.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	1RB#0-0RB#0	21.43	21.47	33.00	PASS
7-7	20MHz-20MHz	256QAM-256QAM	20850-21048	100RB#0-100RB#0	19	19.04	33.00	PASS
7-7	20MHz-20MHz	256QAM-256QAM	20850-21048	1RB#0-0RB#0	18.42	18.46	33.00	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21001-21199	100RB#0-100RB#0	18.95	18.99	33.00	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21001-21199	1RB#0-0RB#0	18.33	18.37	33.00	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21152-21350	100RB#0-100RB#0	18.92	18.96	33.00	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21152-21350	1RB#0-0RB#0	18.21	18.25	33.00	PASS



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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	21001-21199	100RB#0-100RB#0	8.20	13	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	8.22	13	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	100RB#0-100RB#0	8.32	13	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	100RB#0-100RB#0	8.34	13	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	100RB#0-100RB#0	8.10	13	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	100RB#0-100RB#0	8.10	13	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21001-21199	100RB#0-100RB#0	8.36	13	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21152-21350	100RB#0-100RB#0	8.38	13	PASS



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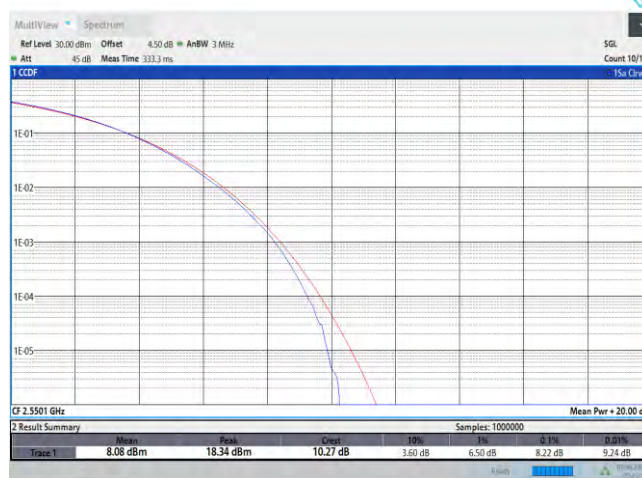
Test Graphs

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



02:43:44 01.06.2023

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



02:45:53 01.06.2023



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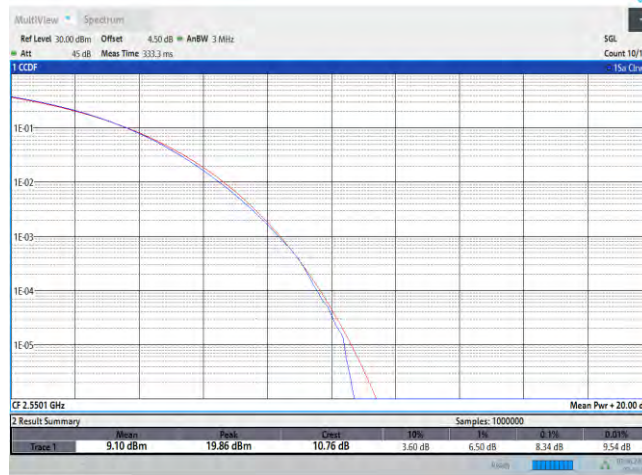
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7-7-20MHz-20MHz-16QAM-16QAM-21001-21199-100RB#0-100RB#0



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



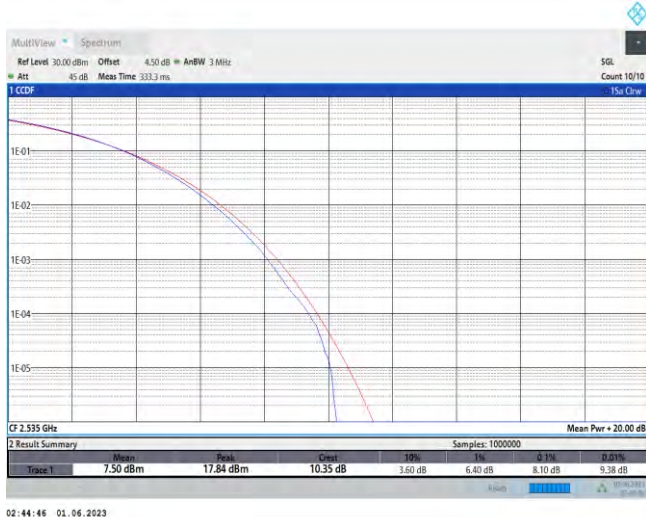
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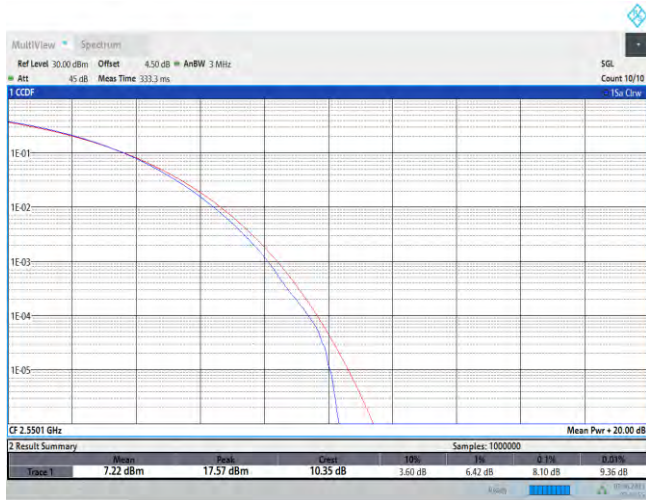
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7-7-20MHz-20MHz-64QAM-64QAM-21001-21199-100RB#0-100RB#0



02:44:46 01.06.2023

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



02:46:55 01.06.2023

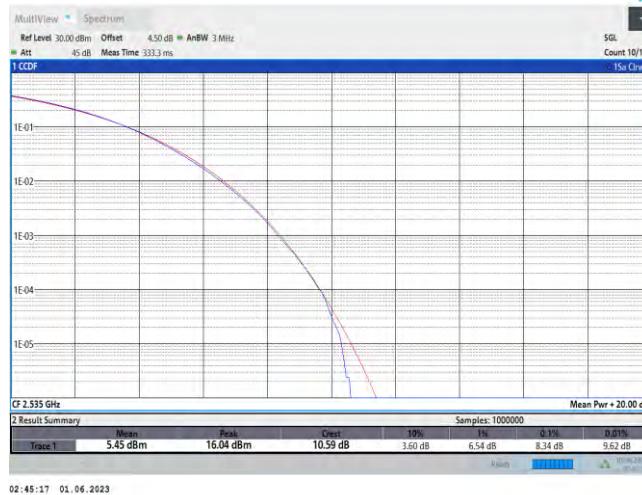


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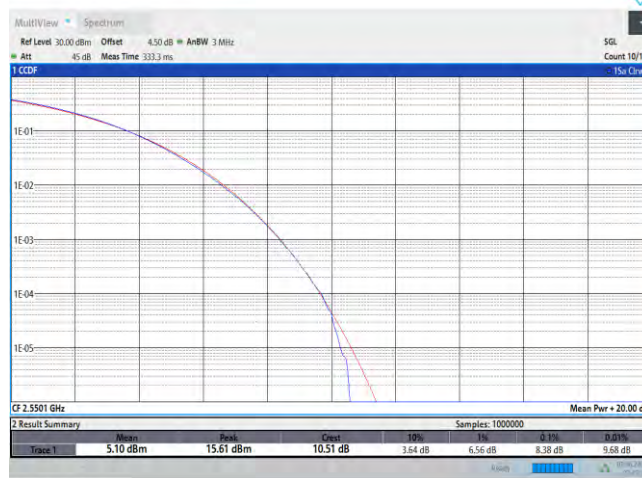
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7-7-20MHz-20MHz-256QAM-256QAM-21001-21199-100RB#0-100RB#0



02:45:17 01.06.2023

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



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	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



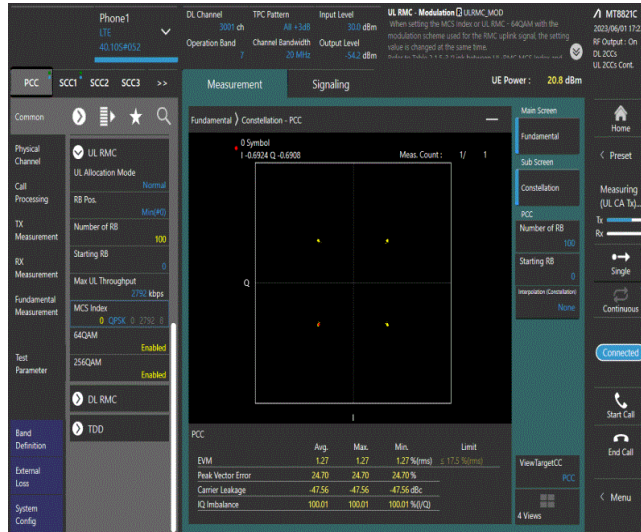
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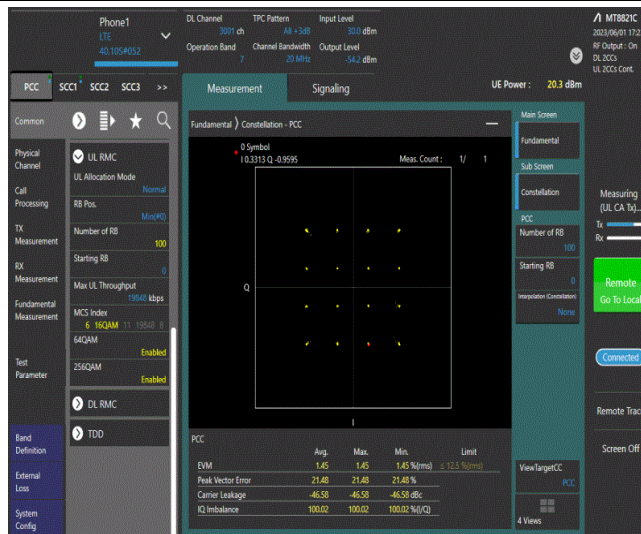
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Test Graphs

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



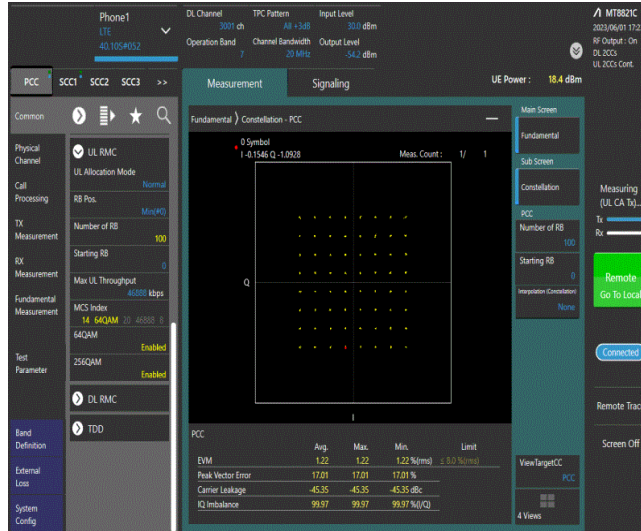
7-7-20MHz-20MHz-16QAM-16QAM -21001-21199-100RB#0-100RB#0



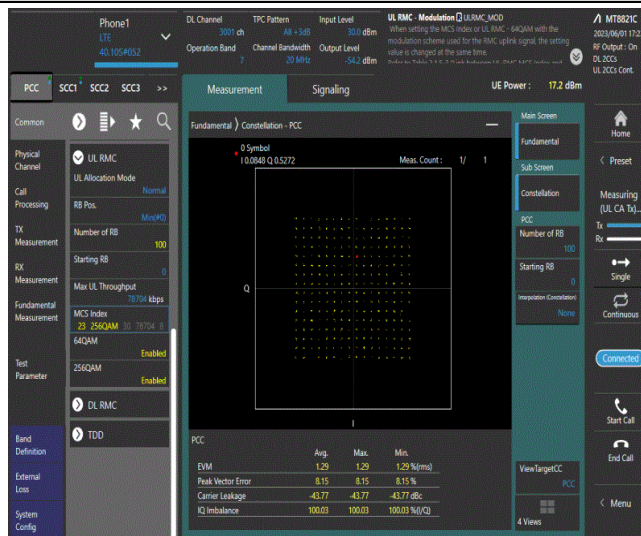
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7-7-20MHz-20MHz-64QAM-64QAM-221001-21199-100RB#0-100RB#0



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	27.706	29.34	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	27.660	29.34	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	50RB#0-100RB#0	27.696	29.28	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	27.769	29.22	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	27.743	29.22	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	50RB#0-100RB#0	27.775	29.28	PASS
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	50RB#0-100RB#0	27.596	29.16	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	50RB#0-100RB#0	27.618	29.16	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	50RB#0-100RB#0	27.674	29.22	PASS
7-7	10MHz-20MHz	256QAM-256QAM	20805-20949	50RB#0-100RB#0	27.673	29.16	PASS
7-7	10MHz-20MHz	256QAM-256QAM	21006-21150	50RB#0-100RB#0	27.630	29.22	PASS
7-7	10MHz-20MHz	256QAM-256QAM	21206-21350	50RB#0-100RB#0	27.696	29.16	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	23.179	24.80	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	75RB#0-50RB#0	23.193	24.70	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	75RB#0-50RB#0	23.126	24.65	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	75RB#0-50RB#0	23.140	24.70	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	75RB#0-50RB#0	23.114	24.75	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	75RB#0-50RB#0	23.137	24.70	PASS
7-7	15MHz-10MHz	256QAM-256QAM	21051-21171	75RB#0-50RB#0	23.145	24.70	PASS
7-7	15MHz-10MHz	256QAM-256QAM	21277-21397	75RB#0-50RB#0	23.150	24.75	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	75RB#0-75RB#0	28.296	30.06	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	75RB#0-75RB#0	28.333	30.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	75RB#0-75RB#0	28.343	30.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	75RB#0-75RB#0	28.374	30.12	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	75RB#0-75RB#0	28.315	29.94	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	75RB#0-75RB#0	28.348	30.12	PASS
7-7	15MHz-15MHz	256QAM-256QAM	21025-21175	75RB#0-75RB#0	28.271	30.06	PASS
7-7	15MHz-15MHz	256QAM-256QAM	21225-21375	75RB#0-75RB#0	28.300	30.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	75RB#0-100RB#0	32.532	34.37	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	75RB#0-100RB#0	32.574	34.44	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	75RB#0-100RB#0	32.613	34.30	PASS



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7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	75RB#0-100RB#0	32.670	34.37	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	75RB#0-100RB#0	32.506	34.37	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	75RB#0-100RB#0	32.550	34.37	PASS
7-7	15MHz-20MHz	256QAM-256QAM	21003-21174	75RB#0-100RB#0	32.528	34.37	PASS
7-7	15MHz-20MHz	256QAM-256QAM	21179-21350	75RB#0-100RB#0	32.562	34.30	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	27.794	29.64	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	27.843	29.70	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	100RB#0-50RB#0	27.753	29.46	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	100RB#0-50RB#0	27.781	29.46	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	100RB#0-50RB#0	27.730	29.46	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	100RB#0-50RB#0	27.746	29.40	PASS
7-7	20MHz-10MHz	256QAM-256QAM	21051-21195	100RB#0-50RB#0	27.729	29.46	PASS
7-7	20MHz-10MHz	256QAM-256QAM	21251-21395	100RB#0-50RB#0	27.729	29.46	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	32.629	34.51	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	100RB#0-75RB#0	32.641	34.44	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	100RB#0-75RB#0	32.589	34.37	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	100RB#0-75RB#0	32.648	34.44	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	100RB#0-75RB#0	32.601	34.44	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	100RB#0-75RB#0	32.638	34.51	PASS
7-7	20MHz-15MHz	256QAM-256QAM	21026-21197	100RB#0-75RB#0	32.566	34.44	PASS
7-7	20MHz-15MHz	256QAM-256QAM	21201-21372	100RB#0-75RB#0	32.605	34.51	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	37.734	40.32	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	37.790	40.32	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	100RB#0-100RB#0	37.839	42.64	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	100RB#0-100RB#0	37.894	42.96	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	100RB#0-100RB#0	37.622	40.16	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	100RB#0-100RB#0	37.707	40.24	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21001-21199	100RB#0-100RB#0	37.703	40.24	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21152-21350	100RB#0-100RB#0	37.739	40.24	PASS



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Test Graphs

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



23:45:53 31.05.2023

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



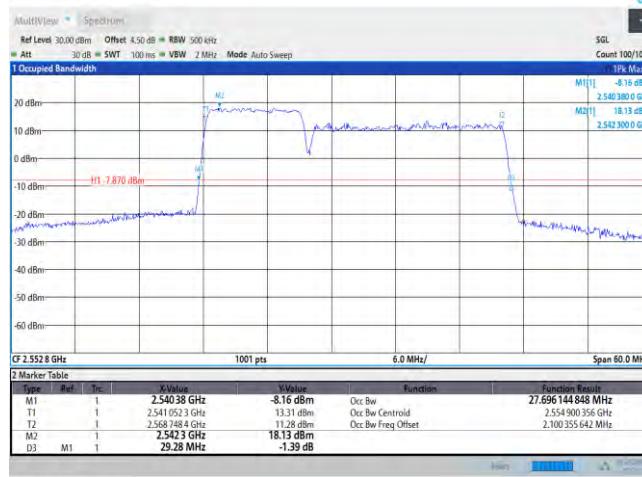
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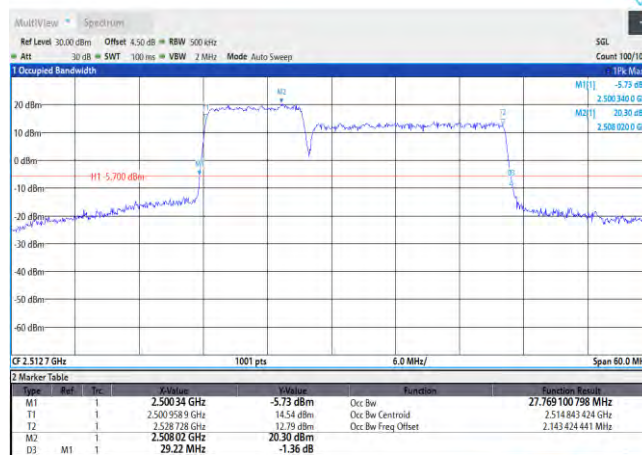
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7-7-10MHz-20MHz-QPSK-QPSK-21206-21350-50RB#0-100RB#0



23:51:13 31.05.2023

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



23:46:31 31.05.2023



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



23:49:11 31.05.2023

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



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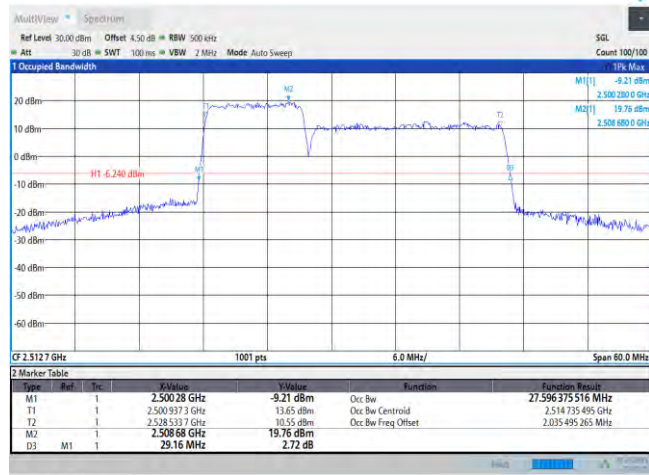


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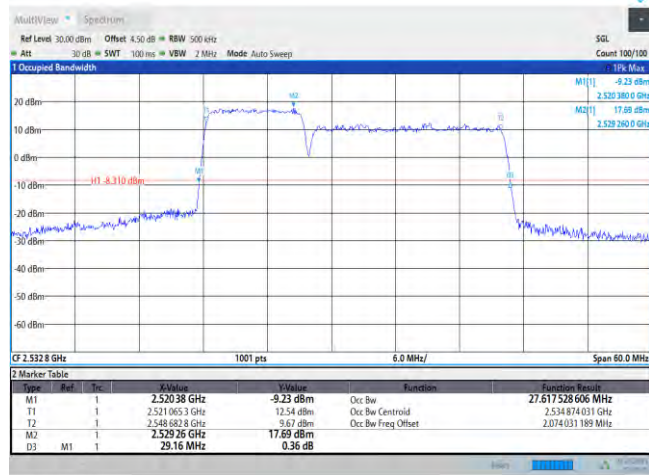
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7-7-10MHz-20MHz-64QAM-64QAM-20805-20949-50RB#0-100RB#0



23:47:10 31.05.2023

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



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



23:52:31 31.05.2023

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



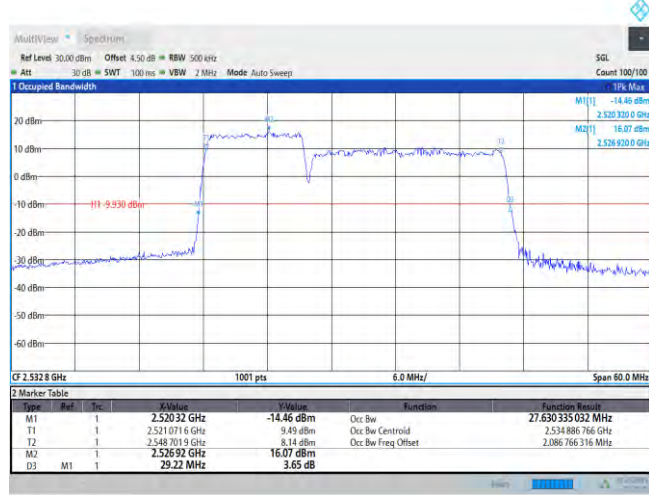
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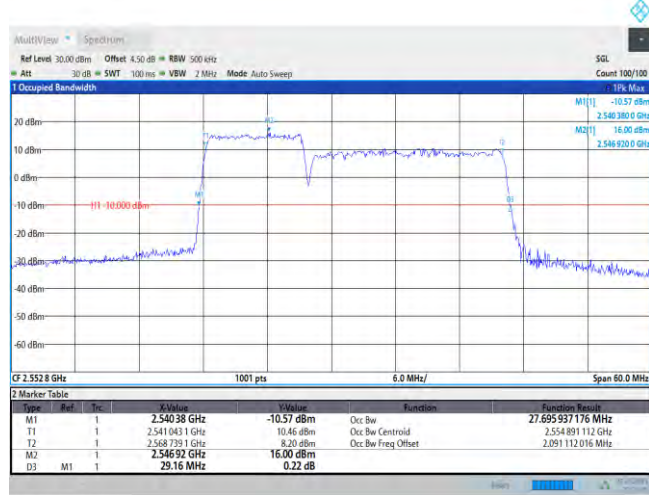
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7-7-10MHz-20MHz-256QAM-256QAM-21006-21150-50RB#0-100RB#0



23:50:28 31.05.2023

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



23:53:09 31.05.2023



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



00:04:42 01.06.2023

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



00:07:21 01.06.2023



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



00:05:21 01.06.2023

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



00:08:00 01.06.2023



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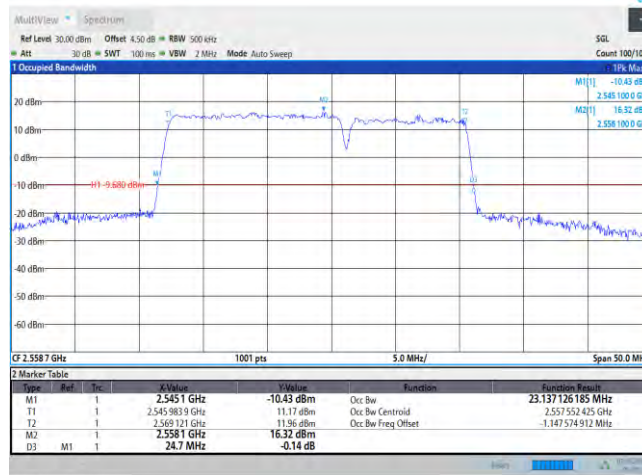
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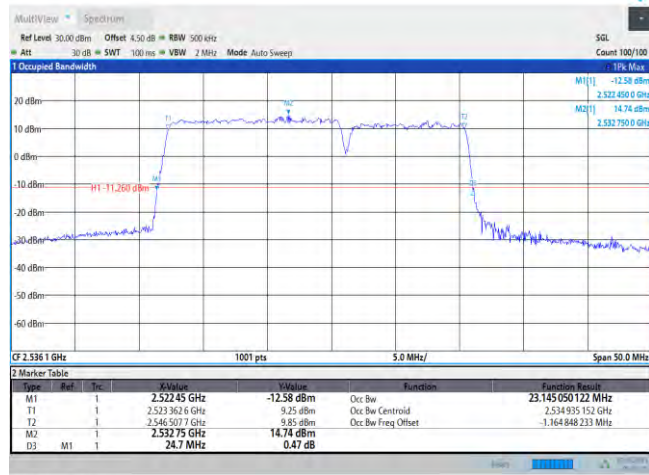


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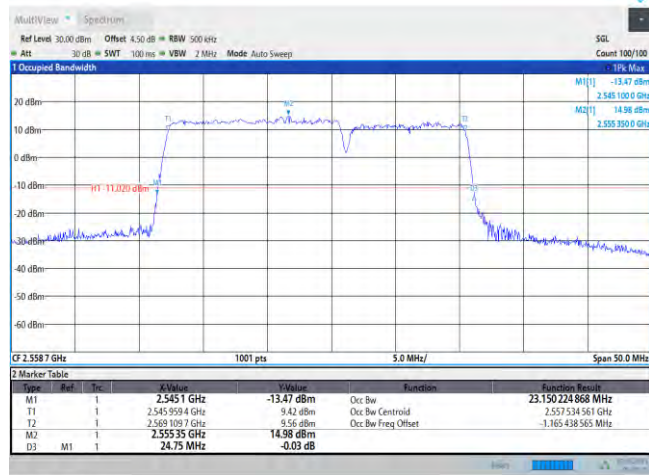
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7-7-15MHz-10MHz-256QAM-256QAM-21051-21171-75RB#0-50RB#0



00:06:38 01.06.2023

7-7-15MHz-10MHz-256QAM-256QAM-21277-21397-75RB#0-50RB#0



00:09:17 01.06.2023



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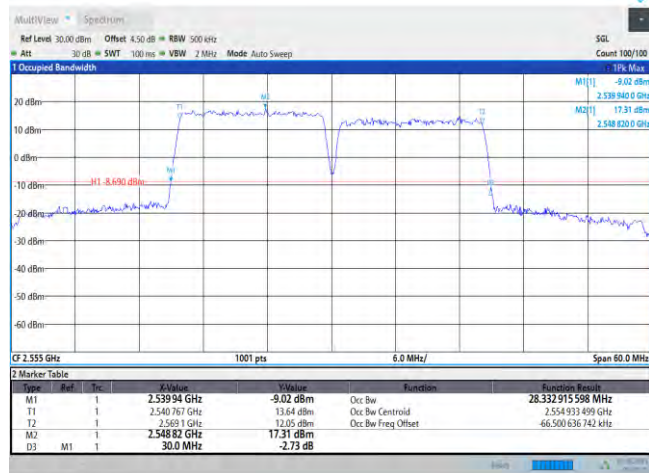
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7-7-15MHz-15MHz-QPSK-QPSK-21025-21175-75RB#0-75RB#0



00:39:45 01.06.2023

7-7-15MHz-15MHz-QPSK-QPSK-21225-21375-75RB#0-75RB#0



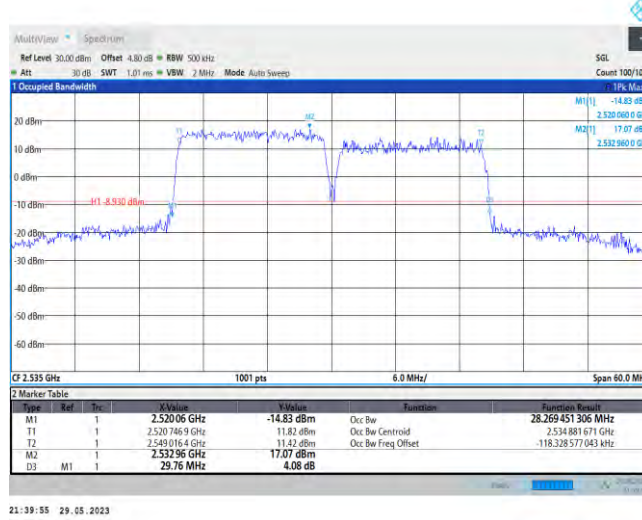
00:42:26 01.06.2023



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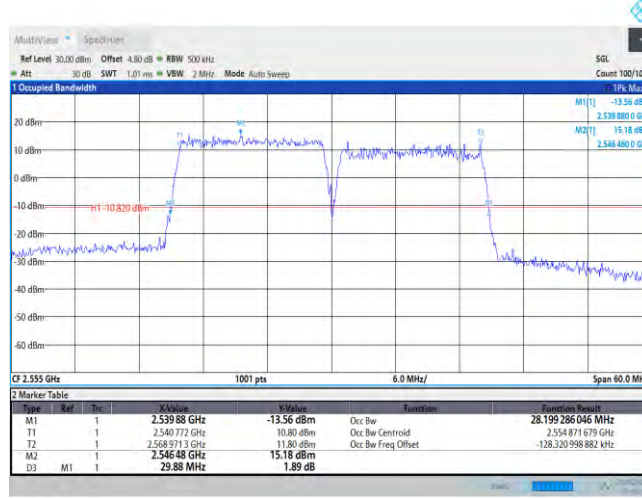
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7-7-15MHz-15MHz-16QAM-16QAM-21025-21175-75RB#0-75RB#0



21:39:55 29.05.2023

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21:42:25 29.05.2023



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7-7-15MHz-15MHz-64QAM-64QAM-21025-21175-75RB#0-75RB#0



00:41:02 01.06.2023

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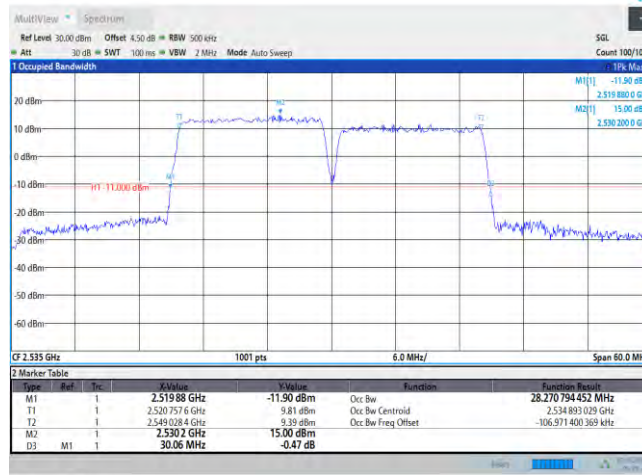
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7-7-15MHz-15MHz-256QAM-256QAM-21025-21175-75RB#0-75RB#0



00:41:41 01.06.2023

7-7-15MHz-15MHz-256QAM-256QAM-21225-21375-75RB#0-75RB#0



00:44:22 01.06.2023



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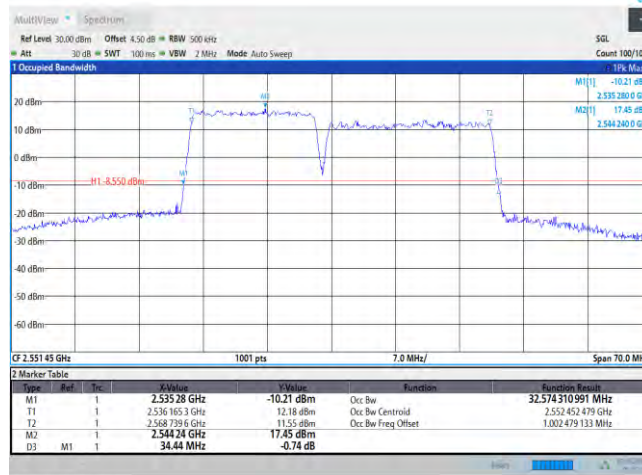
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7-7-15MHz-20MHz-QPSK-QPSK-21003-21174-75RB#0-100RB#0



01:14:37 01.06.2023

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



01:17:17 01.06.2023



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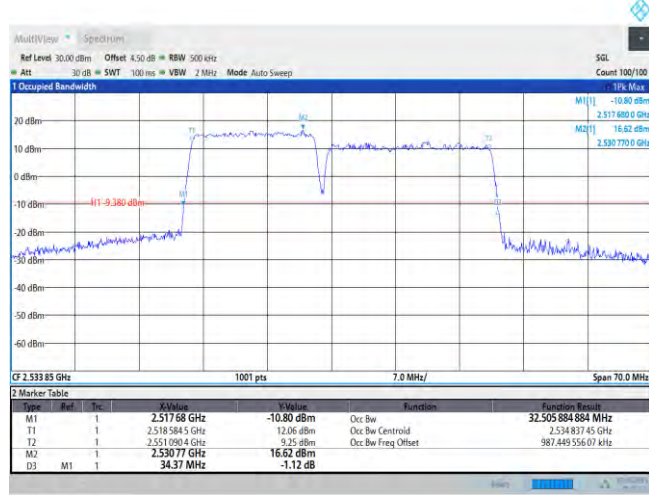


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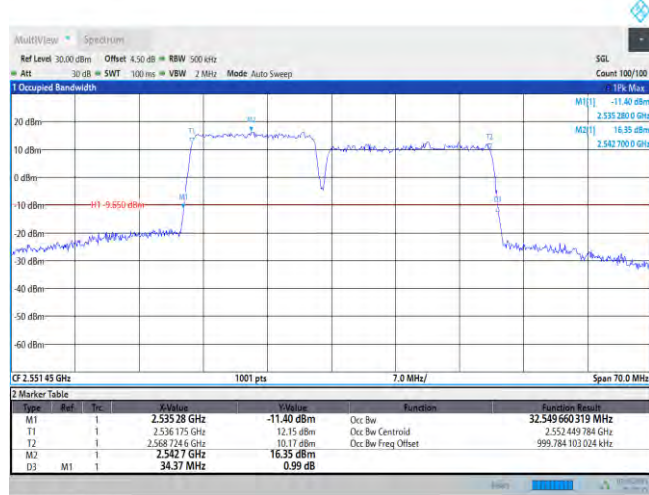
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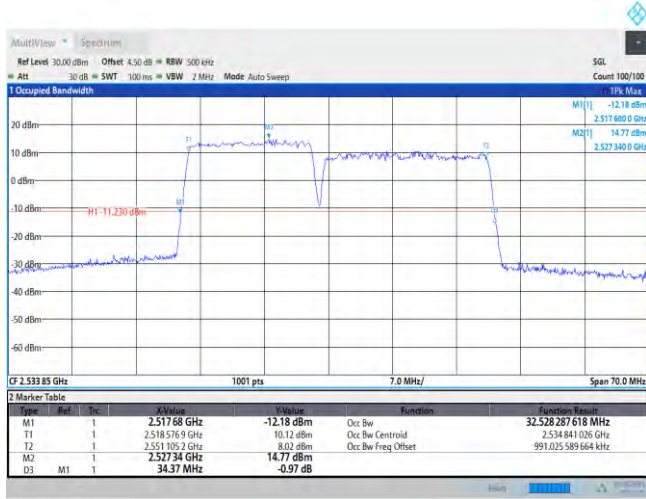
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7-7-15MHz-20MHz-256QAM-256QAM-21179-21350-75RB#0-100RB#0



01:19:12 01.06.2023



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



01:41:32 01.06.2023

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



01:44:14 01.06.2023



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



01:42:11 01.06.2023

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



01:44:52 01.06.2023



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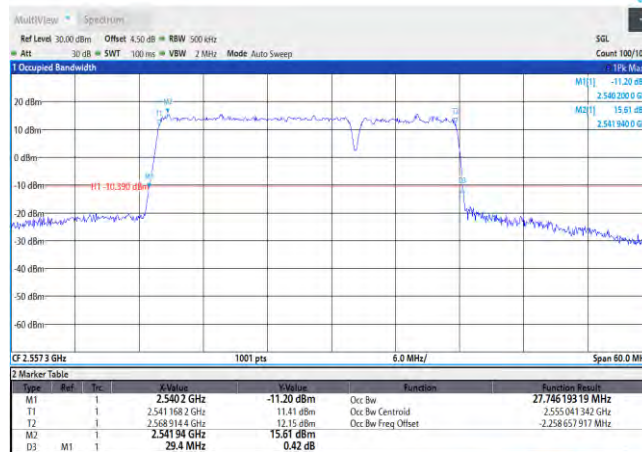
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7-7-20MHz-10MHz-64QAM-64QAM-21051-21195-100RB#0-50RB#0



01:42:49 01.06.2023

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01:45:31 01.06.2023

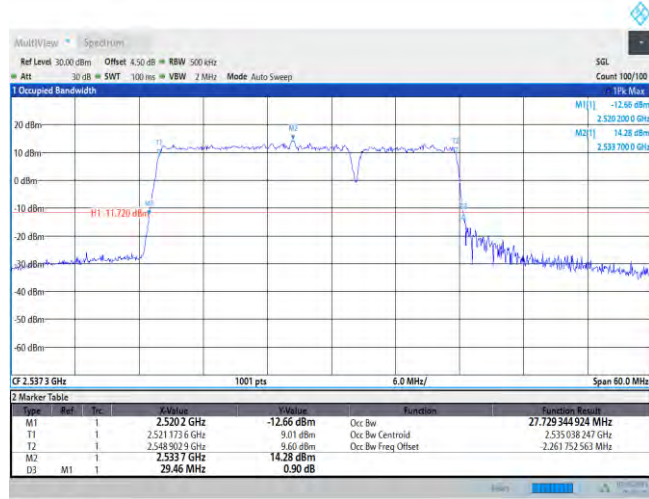


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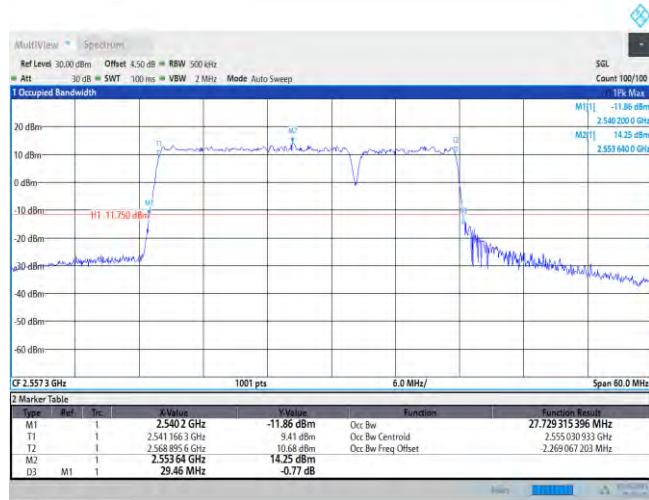
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7-7-20MHz-10MHz-256QAM-256QAM-21051-21195-100RB#0-50RB#0



01:43:28 01.06.2023

7-7-20MHz-10MHz-256QAM-256QAM-21251-21395-100RB#0-50RB#0



01:46:09 01.06.2023



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



02:16:40 01.06.2023

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



02:19:21 01.06.2023



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7-7-20MHz-15MHz-16QAM-16QAM-21026-21197-100RB#0-75RB#0



02:17:19 01.06.2023

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



02:20:00 01.06.2023

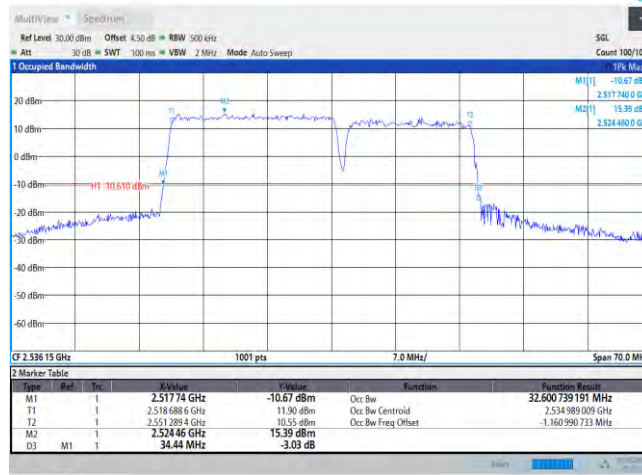


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7-7-20MHz-15MHz-64QAM-64QAM-21026-21197-100RB#0-75RB#0



02:17:57 01.06.2023

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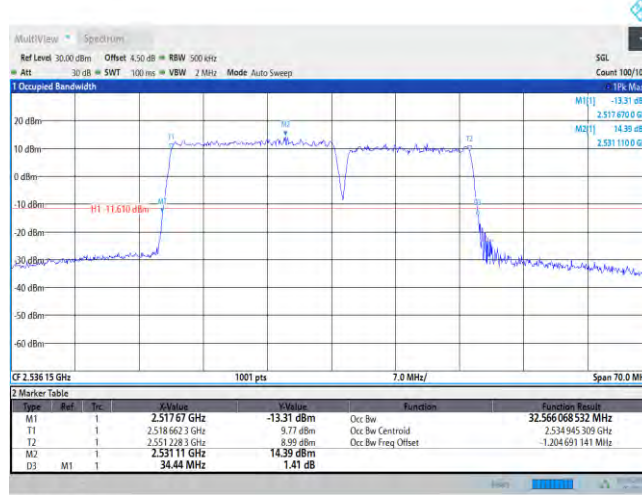
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02:18:36 01.06.2023

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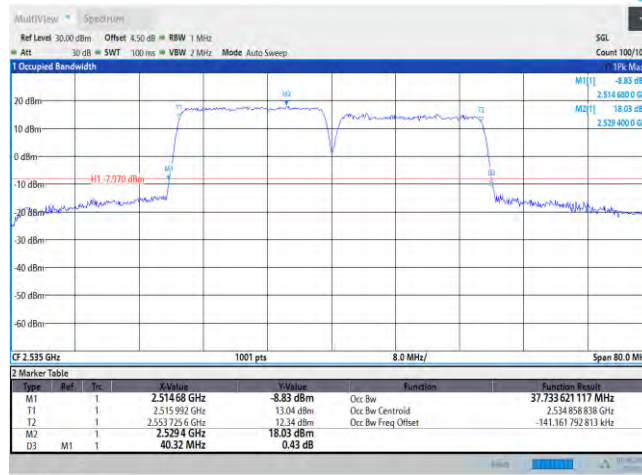
02:21:17 01.06.2023



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



02:48:16 01.06.2023

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



02:50:57 01.06.2023



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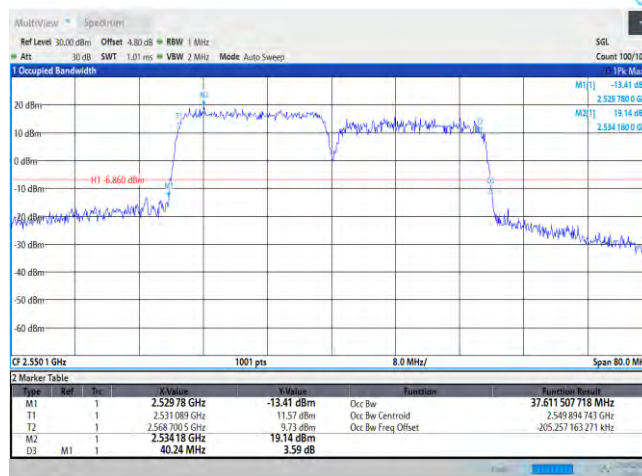
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23:39:07 29.05.2023

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23:40:38 29.05.2023



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02:49:33 01.06.2023

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02:52:15 01.06.2023



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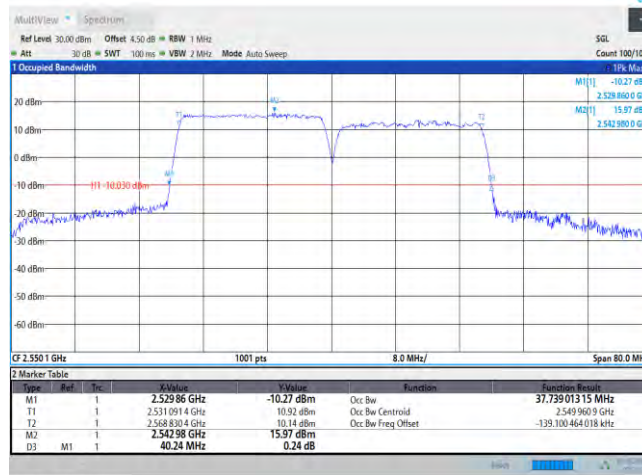
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02:50:12 01.06.2023

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



02:52:53 01.06.2023



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Band Edge

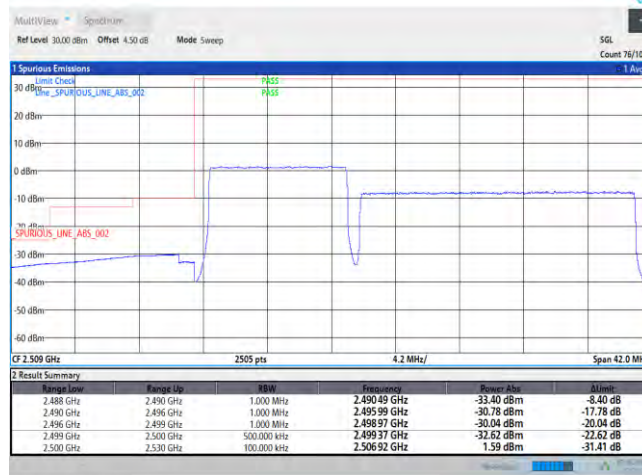
Test Graphs

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13:18:30 01.06.2023

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



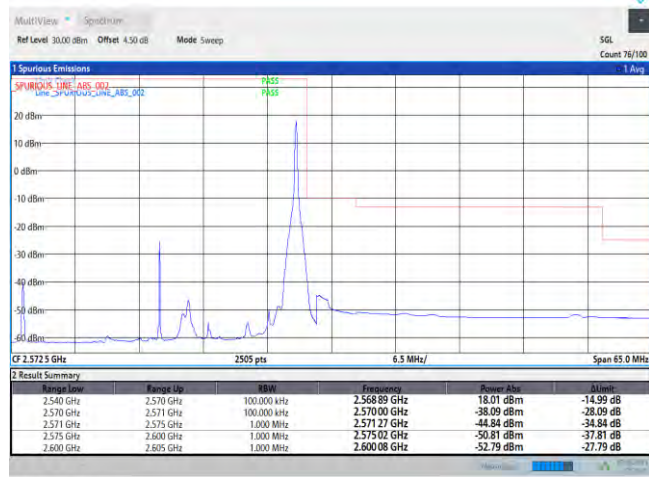
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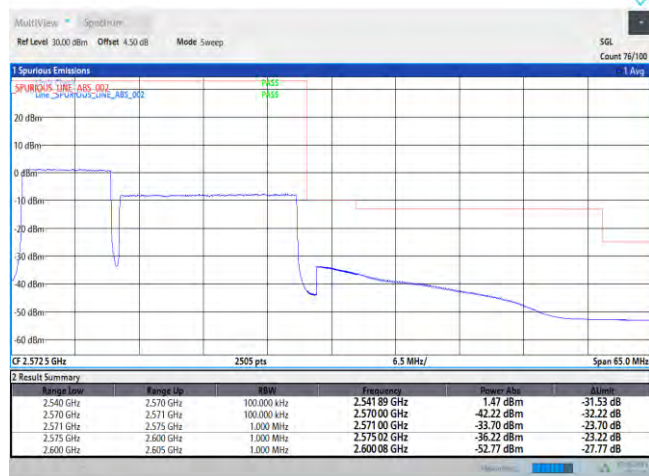
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7-7-10MHz-20MHz-QPSK-QPSK-21206-21350-0RB#0-1RB#99



13:30:02 01.06.2023

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13:35:29 01.06.2023



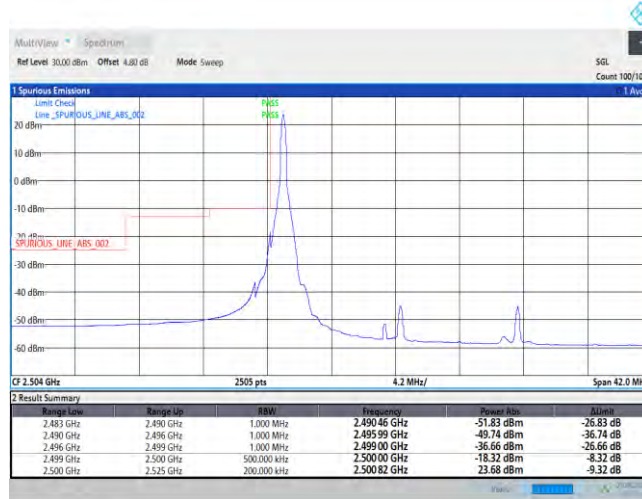
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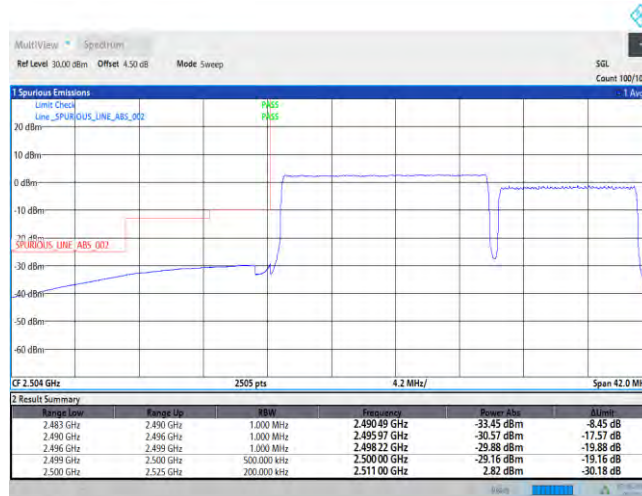
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7-7-15MHz-10MHz-QPSK-QPSK-20825-20945-1RB#0-0RB#0



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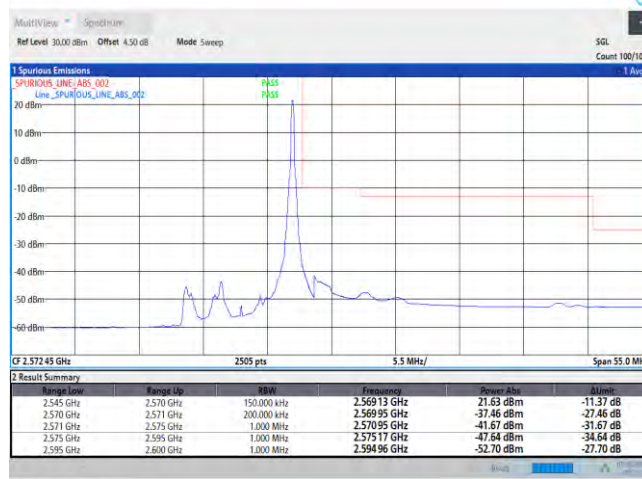
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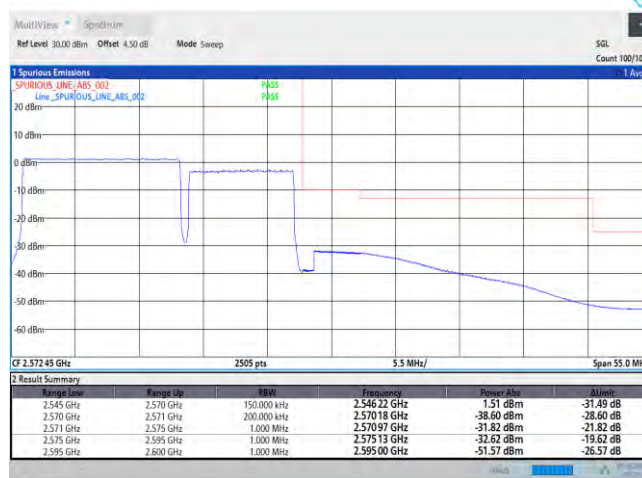
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7-7-15MHZ-10MHZ-QPSK-QPSK-21277-21397-0RB#0-1RB#49



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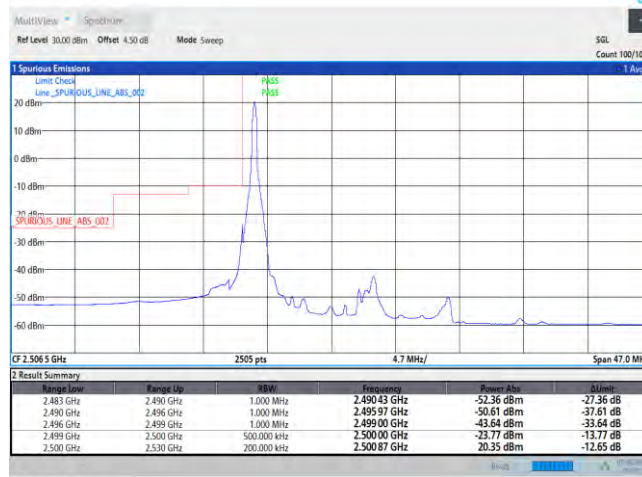
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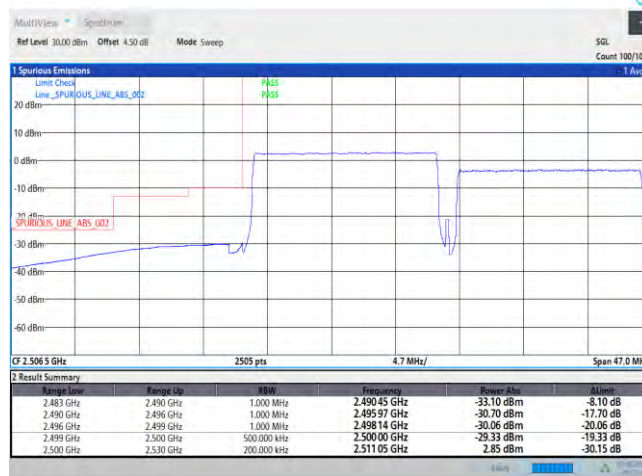
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7-7-15MHz-15MHz-QPSK-QPSK-20825-20975-1RB#0-0RB#0



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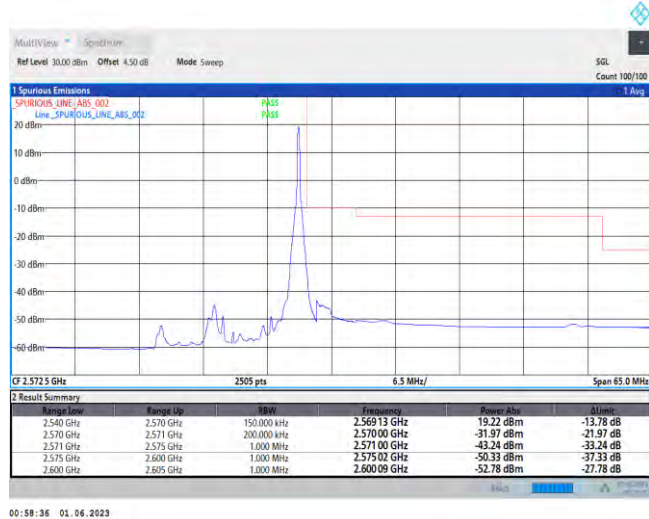
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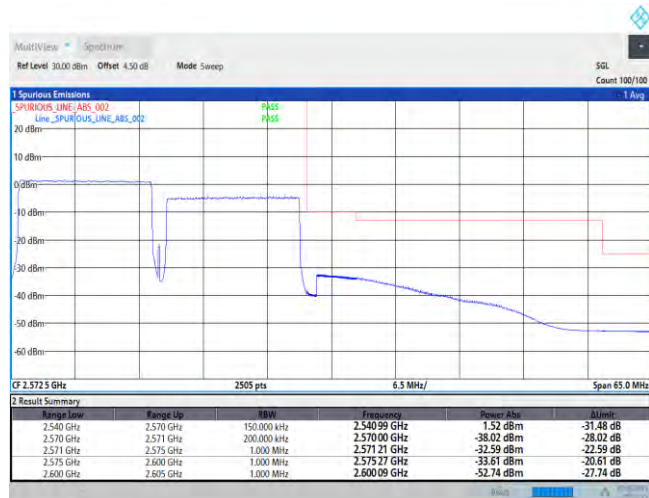
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7-7-15MHZ-15MHZ-QPSK-QPSK-21225-21375-0RB#0-1RB#74



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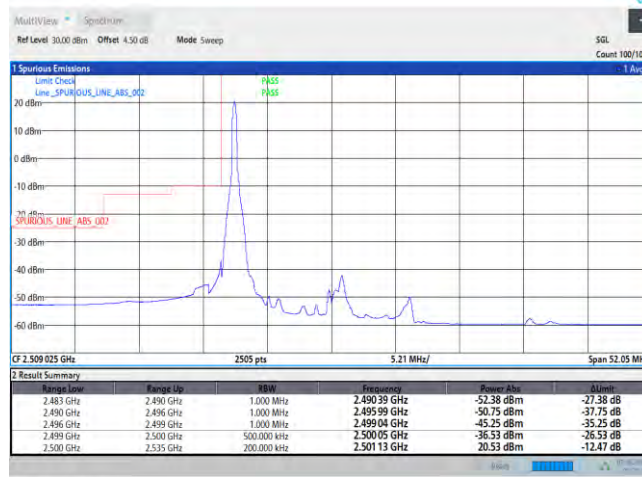
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7-7-15MHz-20MHz-QPSK-QPSK-20828-20999-1RB#0-0RB#0



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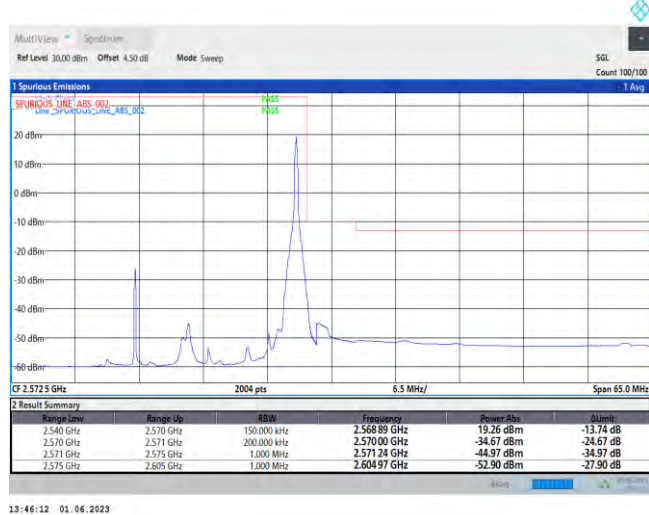
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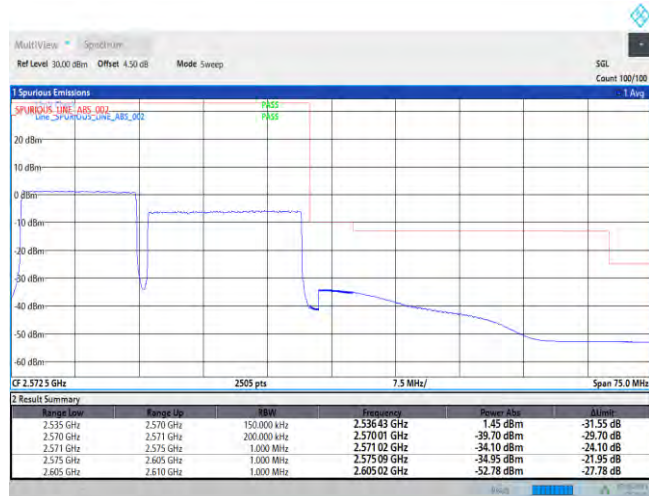
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7-7-15MHz-20MHz-QPSK-QPSK-21179-21350-0RB#0-1RB#99



13:46:12 01.06.2023

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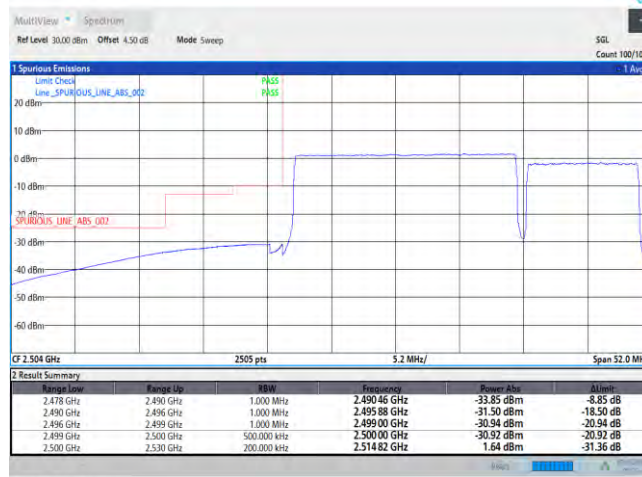


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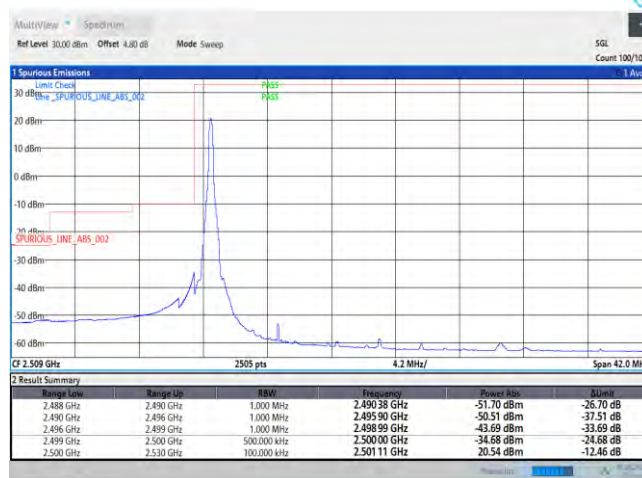
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7-7-20MHz-10MHz-QPSK-QPSK-20850-20994-100RB#0-50RB#0



01:55:50 01.06.2023

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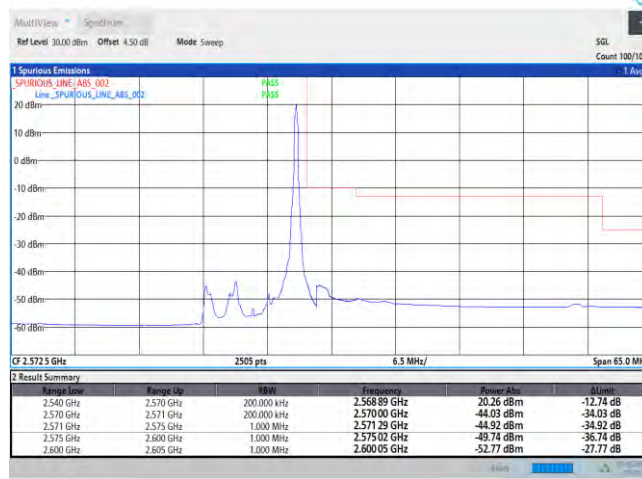
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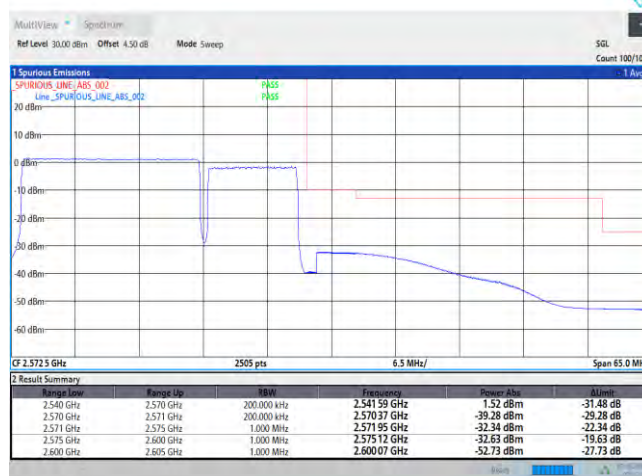
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7-7-20MHz-10MHz-QPSK-QPSK-21251-21395-0RB#0-1RB#49



02:00:51 01.06.2023

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



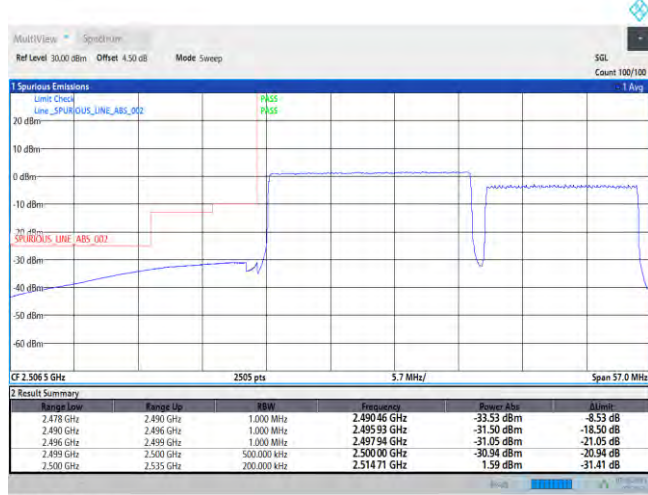
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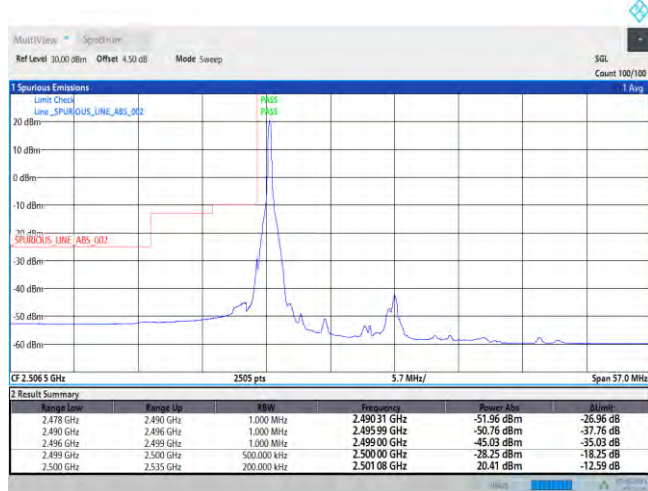
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7-7-20MHz-15MHz-QPSK-QPSK-20850-21021-100RB#0-75RB#0



02:30:56 01.06.2023

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02:26:18 01.06.2023



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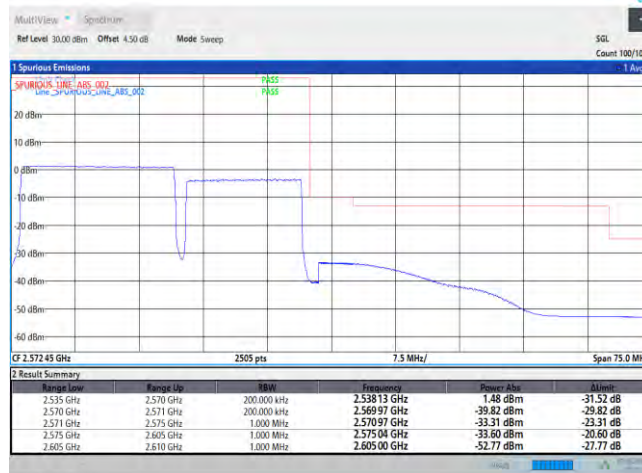
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13:56:33 01.06.2023

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14:01:10 01.06.2023



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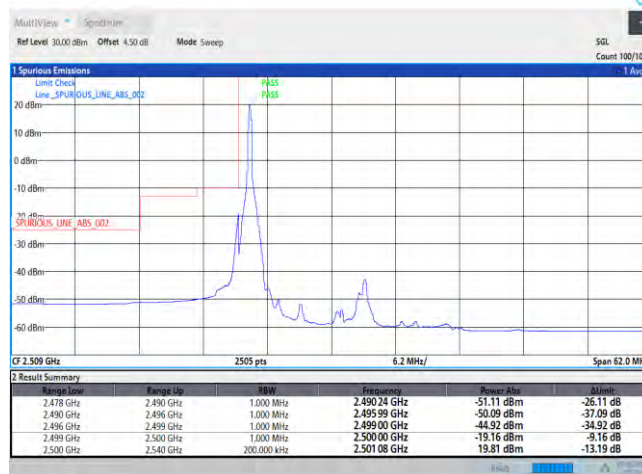
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7-7-20MHz-20MHz-QPSK-QPSK-20850-21048-100RB#0-100RB#0



03:02:20 01.06.2023

7-7-20MHz-20MHz-QPSK-QPSK-20850-21048-1RB#0-0RB#0



02:57:42 01.06.2023



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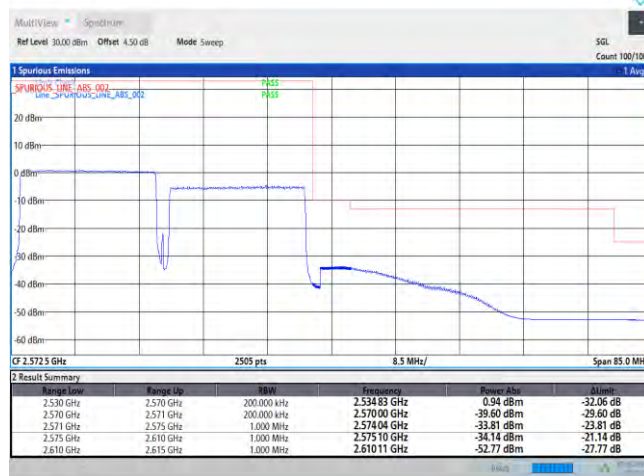
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7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-0RB#0-1RB#99



14:05:42 01.06.2023

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



14:10:19 01.06.2023



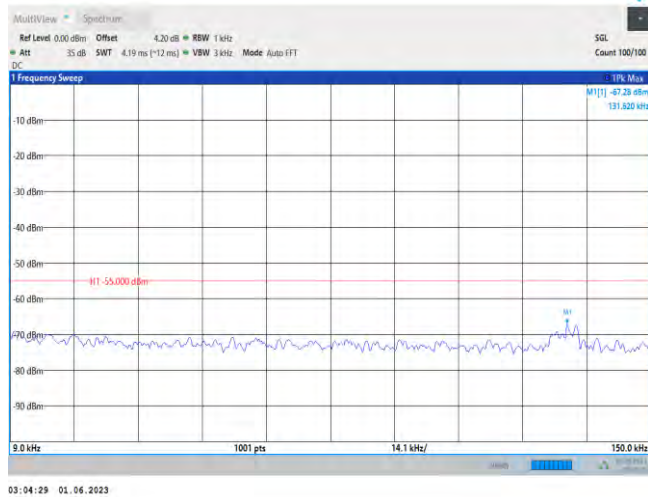
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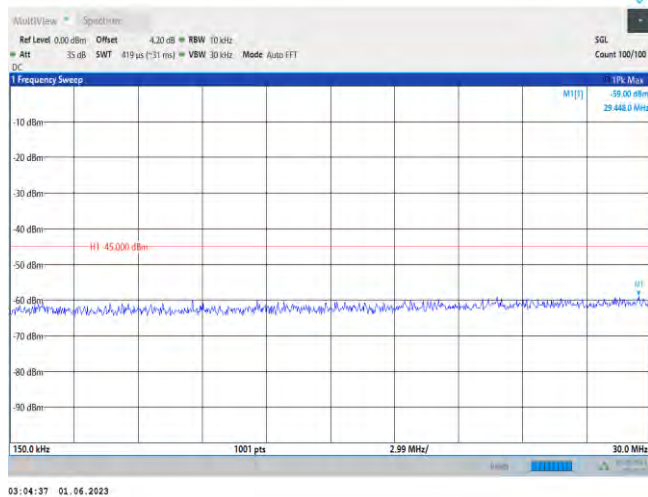
Conducted Spurious Emission

Test Graphs

7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-1RB#0-0RB#0-0.009~0.15MHz



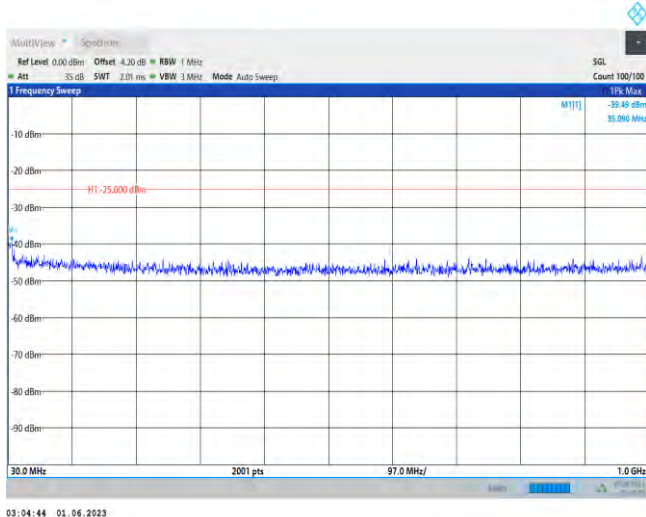
7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-1RB#0-0RB#0-0.15~30MHz



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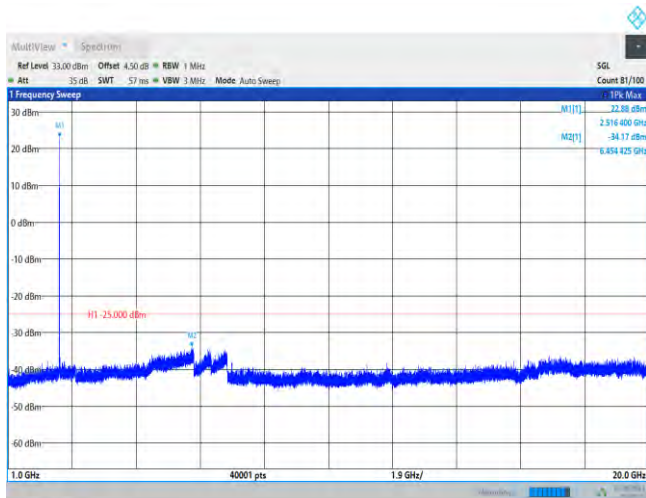
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7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-1RB#0-0RB#0-30~1000MHz



03:04:44 01.06.2023

7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-1RB#0-0RB#0-1000~20000MHz



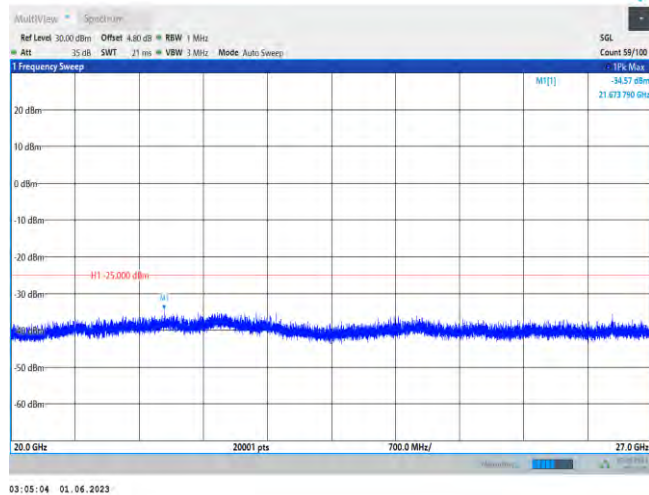
03:04:55 01.06.2023



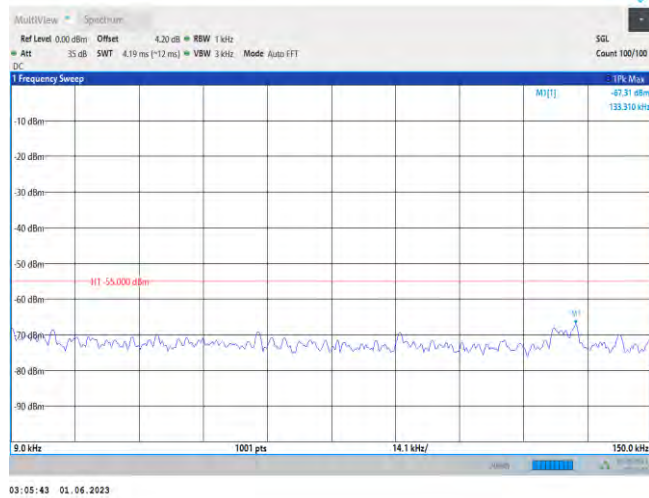
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7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-1RB#0-0RB#0-20000~27000MHz



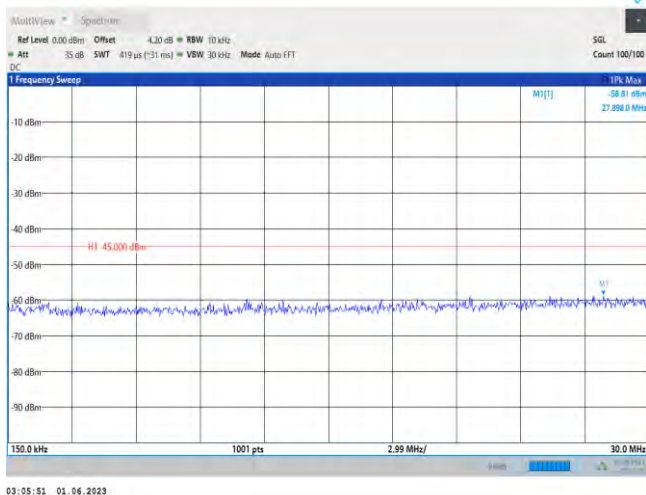
7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-1RB#0-0RB#0-0.009~0.15MHz



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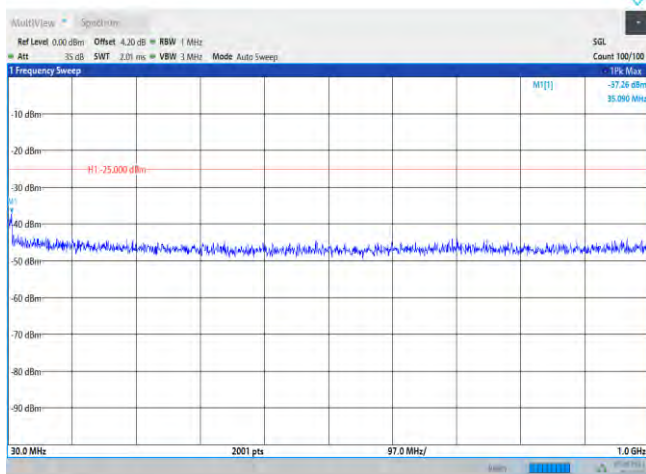
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7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-1RB#0-0RB#0-0.15~30MHz



03:05:51 01.06.2023

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



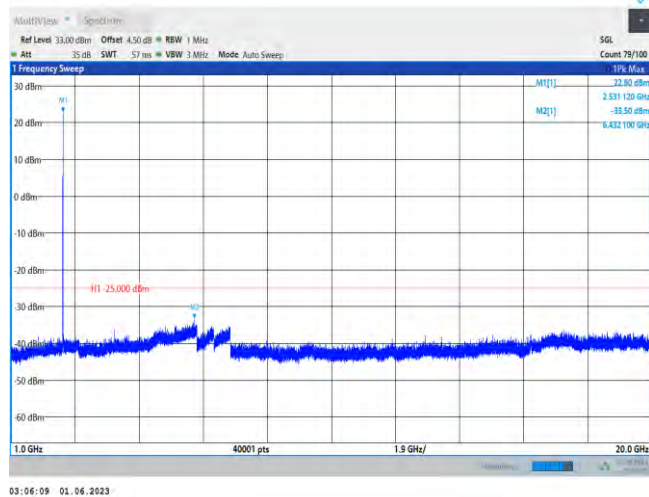
03:05:58 01.06.2023



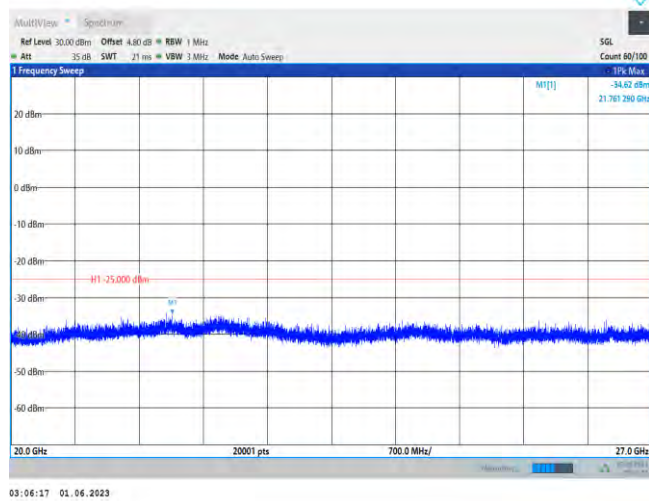
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7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-1RB#0-0RB#0-1000~20000MHz



7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-1RB#0-0RB#0-20000~27000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band7_CA_TM1
 Test Channel = LOW ANT12

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.1800	42.02	-45.63	31.41	-67.47	-25.00	42.47	155	197	Horizontal
2	7503.2700	39.92	-43.13	36.60	-61.87	-25.00	36.87	258	73	Horizontal
3	10004.3600	35.45	-39.23	38.20	-60.84	-25.00	35.84	287	144	Horizontal
4	12505.4500	33.30	-36.99	38.95	-60.00	-25.00	35.00	163	90	Horizontal
5	15006.5400	31.19	-34.65	41.29	-57.44	-25.00	32.44	159	2	Horizontal
6	17507.6300	31.37	-34.95	44.59	-54.25	-25.00	29.25	231	108	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.1800	41.74	-45.63	31.41	-67.75	-25.00	42.75	203	18	Vertical
2	7503.2700	40.14	-43.13	36.60	-61.65	-25.00	36.65	187	163	Vertical
3	10004.3600	35.96	-39.23	38.20	-60.33	-25.00	35.33	145	360	Vertical
4	12505.4500	32.60	-36.99	38.95	-60.70	-25.00	35.70	225	198	Vertical
5	15006.5400	32.02	-34.65	41.29	-56.61	-25.00	31.61	183	359	Vertical
6	17507.6300	31.96	-34.95	44.59	-53.66	-25.00	28.66	248	218	Vertical



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Test Band = LTE Band7_CA_TM1

Test Channel = MID ANT12

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5032.3800	41.13	-45.55	31.48	-68.20	-25.00	43.20	180	197	Horizontal
2	7548.2700	40.08	-43.04	36.62	-61.60	-25.00	36.60	217	91	Horizontal
3	10064.7600	34.97	-39.16	38.23	-61.22	-25.00	36.22	154	357	Horizontal
4	12580.9500	32.74	-37.49	38.97	-61.04	-25.00	36.04	163	179	Horizontal
5	15097.1400	31.35	-34.94	41.10	-57.76	-25.00	32.76	188	72	Horizontal
6	17613.3300	31.62	-33.34	45.06	-51.92	-25.00	26.92	214	0	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5032.3800	41.56	-45.55	31.48	-67.77	-25.00	42.77	103	18	Vertical
2	7548.2700	39.62	-43.04	36.62	-62.06	-25.00	37.06	145	326	Vertical
3	10064.7600	35.85	-39.16	38.23	-60.34	-25.00	35.34	287	198	Vertical
4	12580.9500	32.50	-37.49	38.97	-61.28	-25.00	36.28	255	326	Vertical
5	15097.1400	30.87	-34.94	41.10	-58.24	-25.00	33.24	163	4	Vertical
6	17613.3300	31.97	-33.34	45.06	-51.57	-25.00	26.57	203	358	Vertical



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Test Band = LTE Band7_CA_TM1
Test Channel = HIGH ANT12

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5062.5800	41.90	-45.47	31.55	-67.28	-25.00	42.28	103	324	Horizontal
2	7593.8700	39.68	-42.94	36.64	-61.89	-25.00	36.89	187	18	Horizontal
3	10125.1600	34.77	-39.22	38.26	-61.44	-25.00	36.44	155	8	Horizontal
4	12656.4500	33.53	-37.09	39.00	-59.82	-25.00	34.82	269	1	Horizontal
5	15187.7400	30.42	-34.04	40.91	-57.98	-25.00	32.98	232	163	Horizontal
6	17719.0300	31.52	-34.15	45.54	-52.35	-25.00	27.35	142	0	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5062.5800	41.77	-45.47	31.55	-67.41	-25.00	42.41	182	360	Vertical
2	7593.8700	39.83	-42.94	36.64	-61.74	-25.00	36.74	145	51	Vertical
3	10125.1600	34.94	-39.22	38.26	-61.27	-25.00	36.27	163	179	Vertical
4	12656.4500	33.07	-37.09	39.00	-60.28	-25.00	35.28	199	215	Vertical
5	15187.7400	30.45	-34.04	40.91	-57.95	-25.00	32.95	223	360	Vertical
6	17719.0300	31.94	-34.15	45.54	-51.93	-25.00	26.93	254	35	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	VH	NT	45.20	0.017900	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	VL	NT	42.50	0.016831	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	VN	NT	44.40	0.017583	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	-30	44.70	0.017702	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	-20	46.60	0.018455	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	-10	42.30	0.016752	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	0	46.80	0.018534	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	10	43.90	0.017385	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	20	45.50	0.018019	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	30	43.60	0.017267	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	40	45.00	0.017821	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	50	45.40	0.017563	PASS

---End of Attachment---



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