Appendix B.20

LTE CA_7C

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Effective (Isotropic) Radiated Power Output Data

Test ResultAnt7

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	21.32	22.58	33	PASS
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	50RB#0-100RB#0	19.66	20.92	33	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	1RB#0-0RB#0	21.32	22.58	33	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	19.75	21.01	33	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	1RB#0-0RB#0	21.47	22.73	33	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	50RB#0-100RB#0	19.88	21.14	33	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	1RB#0-0RB#0	20.6	21.86	33	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	18.92	20.18	33	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	1RB#0-0RB#0	20.5	21.76	33	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	18.82	20.08	33	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	1RB#0-0RB#0	20.66	21.92	33	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	50RB#0-100RB#0	18.93	20.19	33	PASS
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	1RB#0-0RB#0	19.58	20.84	33	PASS
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	50RB#0-100RB#0	18.9	20.16	33	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	1RB#0-0RB#0	19.67	20.93	33	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	50RB#0-100RB#0	18.61	19.87	33	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	1RB#0-0RB#0	19.84	21.1	33	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	50RB#0-100RB#0	18.91	20.17	33	PASS
7-7	10MHz-20MHz	256QAM-256QAM	20805-20949	1RB#0-0RB#0	16.6	17.86	33	PASS
7-7	10MHz-20MHz	256QAM-256QAM	20805-20949	50RB#0-100RB#0	16.56	17.82	33	PASS
7-7	10MHz-20MHz	256QAM-256QAM	21006-21150	1RB#0-0RB#0	16.43	17.69	33	PASS
7-7	10MHz-20MHz	256QAM-256QAM	21006-21150	50RB#0-100RB#0	17.02	18.28	33	PASS
7-7	10MHz-20MHz	256QAM-256QAM	21206-21350	1RB#0-0RB#0	16.68	17.94	33	PASS
7-7	10MHz-20MHz	256QAM-256QAM	21206-21350	50RB#0-100RB#0	16.77	18.03	33	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	1RB#0-0RB#0	21.79	23.05	33	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	75RB#0-50RB#0	19.77	21.03	33	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	1RB#0-0RB#0	21.68	22.94	33	PASS

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7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	19.73	20.99	33	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	1RB#0-0RB#0	22.08	23.34	33	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	75RB#0-50RB#0	19.9	21.16	33	PASS
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	1RB#0-0RB#0	21.06	22.32	33	PASS
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	75RB#0-50RB#0	18.62	19.88	33	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	1RB#0-0RB#0	21.36	22.62	33	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	75RB#0-50RB#0	18.87	20.13	33	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	1RB#0-0RB#0	21.38	22.64	33	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	75RB#0-50RB#0	18.88	20.14	33	PASS
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	1RB#0-0RB#0	20.14	21.4	33	PASS
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	75RB#0-50RB#0	18.79	20.05	33	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	1RB#0-0RB#0	20.18	21.44	33	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	75RB#0-50RB#0	19.1	20.36	33	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	1RB#0-0RB#0	20.59	21.85	33	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	75RB#0-50RB#0	19	20.26	33	PASS
7-7	15MHz-10MHz	256QAM-256QAM	20825-20945	1RB#0-0RB#0	17.11	18.37	33	PASS
7-7	15MHz-10MHz	256QAM-256QAM	20825-20945	75RB#0-50RB#0	16.75	18.01	33	PASS
7-7	15MHz-10MHz	256QAM-256QAM	21051-21171	1RB#0-0RB#0	16.93	18.19	33	PASS
7-7	15MHz-10MHz	256QAM-256QAM	21051-21171	75RB#0-50RB#0	16.76	18.02	33	PASS
7-7	15MHz-10MHz	256QAM-256QAM	21277-21397	1RB#0-0RB#0	17.04	18.3	33	PASS
7-7	15MHz-10MHz	256QAM-256QAM	21277-21397	75RB#0-50RB#0	17.02	18.28	33	PASS
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	1RB#0-0RB#0	21.64	22.9	33	PASS
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	75RB#0-75RB#0	19.72	20.98	33	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	1RB#0-0RB#0	21.79	23.05	33	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	75RB#0-75RB#0	19.83	21.09	33	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	1RB#0-0RB#0	21.72	22.98	33	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	75RB#0-75RB#0	19.94	21.2	33	PASS
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	1RB#0-0RB#0	21.02	22.28	33	PASS
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	75RB#0-75RB#0	18.68	19.94	33	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	1RB#0-0RB#0	20.86	22.12	33	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	75RB#0-75RB#0	18.65	19.91	33	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	1RB#0-0RB#0	20.9	22.16	33	PASS

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7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	75RB#0-75RB#0	18.99	20.25	33	PASS
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	1RB#0-0RB#0	19.84	21.1	33	PASS
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	75RB#0-75RB#0	18.68	19.94	33	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	1RB#0-0RB#0	19.83	21.09	33	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	75RB#0-75RB#0	18.94	20.2	33	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	1RB#0-0RB#0	20.11	21.37	33	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	75RB#0-75RB#0	18.85	20.11	33	PASS
7-7	15MHz-15MHz	256QAM-256QAM	20825-20975	1RB#0-0RB#0	16.75	18.01	33	PASS
7-7	15MHz-15MHz	256QAM-256QAM	20825-20975	75RB#0-75RB#0	16.64	17.9	33	PASS
7-7	15MHz-15MHz	256QAM-256QAM	21025-21175	1RB#0-0RB#0	16.94	18.2	33	PASS
7-7	15MHz-15MHz	256QAM-256QAM	21025-21175	75RB#0-75RB#0	16.97	18.23	33	PASS
7-7	15MHz-15MHz	256QAM-256QAM	21225-21375	1RB#0-0RB#0	16.85	18.11	33	PASS
7-7	15MHz-15MHz	256QAM-256QAM	21225-21375	75RB#0-75RB#0	16.97	18.23	33	PASS
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	1RB#0-0RB#0	21.63	22.89	33	PASS
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	75RB#0-100RB#0	19.6	20.86	33	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	1RB#0-0RB#0	21.59	22.85	33	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	75RB#0-100RB#0	19.89	21.15	33	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	1RB#0-0RB#0	21.85	23.11	33	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	75RB#0-100RB#0	19.95	21.21	33	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	1RB#0-0RB#0	20.97	22.23	33	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	75RB#0-100RB#0	18.6	19.86	33	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	1RB#0-0RB#0	20.98	22.24	33	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	75RB#0-100RB#0	18.79	20.05	33	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	1RB#0-0RB#0	21.07	22.33	33	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	75RB#0-100RB#0	18.94	20.2	33	PASS
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	1RB#0-0RB#0	19.98	21.24	33	PASS
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	75RB#0-100RB#0	18.79	20.05	33	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	1RB#0-0RB#0	19.89	21.15	33	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	75RB#0-100RB#0	18.75	20.01	33	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	1RB#0-0RB#0	19.88	21.14	33	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	75RB#0-100RB#0	18.97	20.23	33	PASS
7-7	15MHz-20MHz	256QAM-256QAM	20828-20999	1RB#0-0RB#0	16.93	18.19	33	PASS

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7-7	15MHz-20MHz	256QAM-256QAM	20828-20999	75RB#0-100RB#0	16.77	18.03	33	PASS
7-7	15MHz-20MHz	256QAM-256QAM	21003-21174	1RB#0-0RB#0	16.77	18.03	33	PASS
7-7	15MHz-20MHz	256QAM-256QAM	21003-21174	75RB#0-100RB#0	16.98	18.24	33	PASS
7-7	15MHz-20MHz	256QAM-256QAM	21179-21350	1RB#0-0RB#0	16.89	18.15	33	PASS
7-7	15MHz-20MHz	256QAM-256QAM	21179-21350	75RB#0-100RB#0	17.01	18.27	33	PASS
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	100RB#0-50RB#0	19.8	21.06	33	PASS
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	1RB#0-0RB#0	21.32	22.58	33	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	19.77	21.03	33	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	1RB#0-0RB#0	21.36	22.62	33	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	19.86	21.12	33	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	1RB#0-0RB#0	21.46	22.72	33	PASS
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	100RB#0-50RB#0	18.53	19.79	33	PASS
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	1RB#0-0RB#0	20.69	21.95	33	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	100RB#0-50RB#0	18.8	20.06	33	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	1RB#0-0RB#0	20.84	22.1	33	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	100RB#0-50RB#0	18.92	20.18	33	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	1RB#0-0RB#0	20.81	22.07	33	PASS
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	100RB#0-50RB#0	18.75	20.01	33	PASS
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	1RB#0-0RB#0	19.73	20.99	33	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	100RB#0-50RB#0	18.7	19.96	33	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	1RB#0-0RB#0	19.67	20.93	33	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	100RB#0-50RB#0	18.9	20.16	33	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	1RB#0-0RB#0	19.75	21.01	33	PASS
7-7	20MHz-10MHz	256QAM-256QAM	20850-20994	100RB#0-50RB#0	16.87	18.13	33	PASS
7-7	20MHz-10MHz	256QAM-256QAM	20850-20994	1RB#0-0RB#0	16.83	18.09	33	PASS
7-7	20MHz-10MHz	256QAM-256QAM	21051-21195	100RB#0-50RB#0	16.77	18.03	33	PASS
7-7	20MHz-10MHz	256QAM-256QAM	21051-21195	1RB#0-0RB#0	16.45	17.71	33	PASS
7-7	20MHz-10MHz	256QAM-256QAM	21251-21395	100RB#0-50RB#0	16.72	17.98	33	PASS
7-7	20MHz-10MHz	256QAM-256QAM	21251-21395	1RB#0-0RB#0	16.86	18.12	33	PASS
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	100RB#0-75RB#0	19.66	20.92	33	PASS
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	1RB#0-0RB#0	21.32	22.58	33	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	19.78	21.04	33	PASS

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7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	1RB#0-0RB#0	21.48	22.74	33	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	100RB#0-75RB#0	19.8	21.06	33	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	1RB#0-0RB#0	21.56	22.82	33	PASS
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	100RB#0-75RB#0	18.4	19.66	33	PASS
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	1RB#0-0RB#0	20.66	21.92	33	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	100RB#0-75RB#0	18.77	20.03	33	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	1RB#0-0RB#0	20.57	21.83	33	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	100RB#0-75RB#0	18.98	20.24	33	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	1RB#0-0RB#0	20.76	22.02	33	PASS
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	100RB#0-75RB#0	18.84	20.1	33	PASS
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	1RB#0-0RB#0	19.77	21.03	33	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	100RB#0-75RB#0	19.01	20.27	33	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	1RB#0-0RB#0	19.63	20.89	33	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	100RB#0-75RB#0	18.99	20.25	33	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	1RB#0-0RB#0	19.7	20.96	33	PASS
7-7	20MHz-15MHz	256QAM-256QAM	20850-21021	100RB#0-75RB#0	16.63	17.89	33	PASS
7-7	20MHz-15MHz	256QAM-256QAM	20850-21021	1RB#0-0RB#0	16.67	17.93	33	PASS
7-7	20MHz-15MHz	256QAM-256QAM	21026-21197	100RB#0-75RB#0	16.8	18.06	33	PASS
7-7	20MHz-15MHz	256QAM-256QAM	21026-21197	1RB#0-0RB#0	16.7	17.96	33	PASS
7-7	20MHz-15MHz	256QAM-256QAM	21201-21372	100RB#0-75RB#0	16.92	18.18	33	PASS
7-7	20MHz-15MHz	256QAM-256QAM	21201-21372	1RB#0-0RB#0	16.81	18.07	33	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	19.59	20.85	33	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	1RB#0-0RB#0	21.4	22.66	33	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	19.8	21.06	33	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	1RB#0-0RB#0	21.27	22.53	33	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	19.71	20.97	33	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	1RB#0-0RB#0	21.42	22.68	33	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	100RB#0-100RB#0	18.72	19.98	33	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	1RB#0-0RB#0	20.78	22.04	33	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	100RB#0-100RB#0	18.8	20.06	33	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	1RB#0-0RB#0	20.58	21.84	33	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	100RB#0-100RB#0	18.96	20.22	33	PASS

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7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	1RB#0-0RB#0	20.69	21.95	33	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	100RB#0-100RB#0	18.5	19.76	33	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	1RB#0-0RB#0	19.7	20.96	33	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	100RB#0-100RB#0	18.72	19.98	33	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	1RB#0-0RB#0	19.66	20.92	33	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	100RB#0-100RB#0	18.99	20.25	33	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	1RB#0-0RB#0	19.77	21.03	33	PASS
7-7	20MHz-20MHz	256QAM-256QAM	20850-21048	100RB#0-100RB#0	16.53	17.79	33	PASS
7-7	20MHz-20MHz	256QAM-256QAM	20850-21048	1RB#0-0RB#0	16.77	18.03	33	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21001-21199	100RB#0-100RB#0	16.67	17.93	33	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21001-21199	1RB#0-0RB#0	16.7	17.96	33	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21152-21350	100RB#0-100RB#0	16.64	17.9	33	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21152-21350	1RB#0-0RB#0	16.65	17.91	33	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	20850-21048	100RB#0-100RB#0	6.08	13	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	5.56	13	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	5.66	13	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	100RB#0-100RB#0	6.62	13	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	100RB#0-100RB#0	6.62	13	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	100RB#0-100RB#0	6.66	13	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	100RB#0-100RB#0	6.98	13	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	100RB#0-100RB#0	6.86	13	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	100RB#0-100RB#0	7.14	13	PASS
7-7	20MHz-20MHz	256QAM-256QAM	20850-21048	100RB#0-100RB#0	7.20	13	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21001-21199	100RB#0-100RB#0	6.80	13	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21152-21350	100RB#0-100RB#0	6.90	13	PASS

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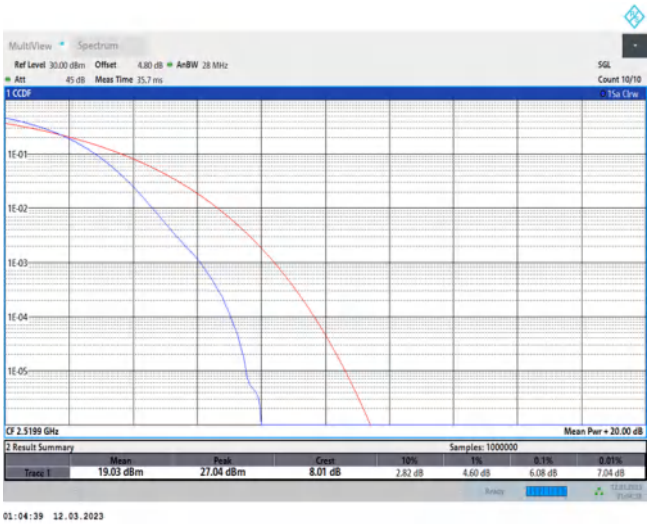
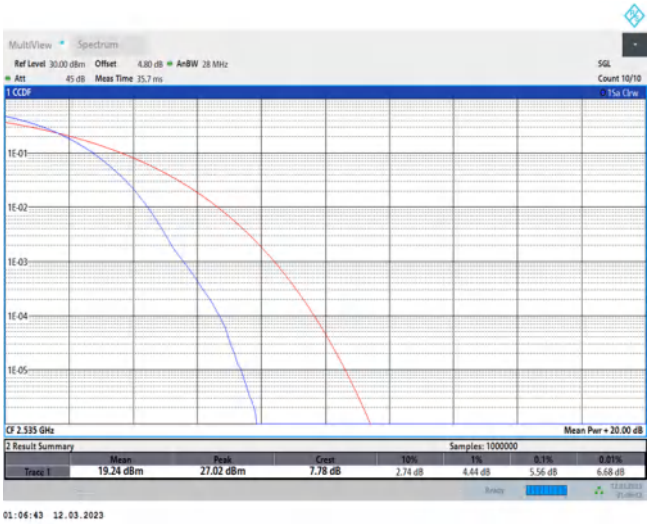
Test Graphs

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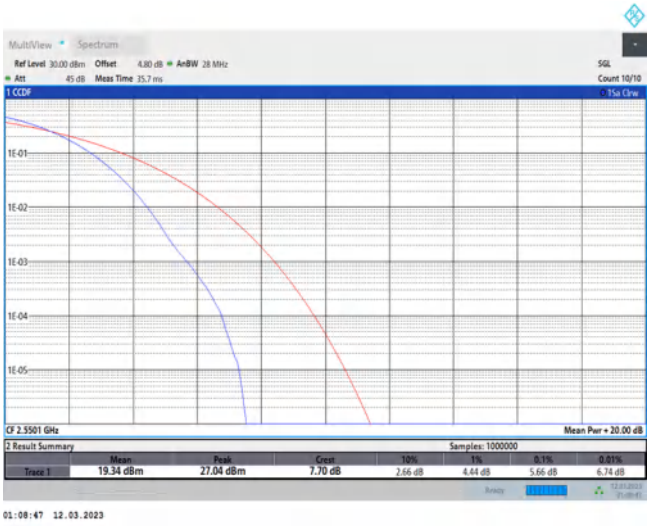
7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-100RB#0-100RB#0



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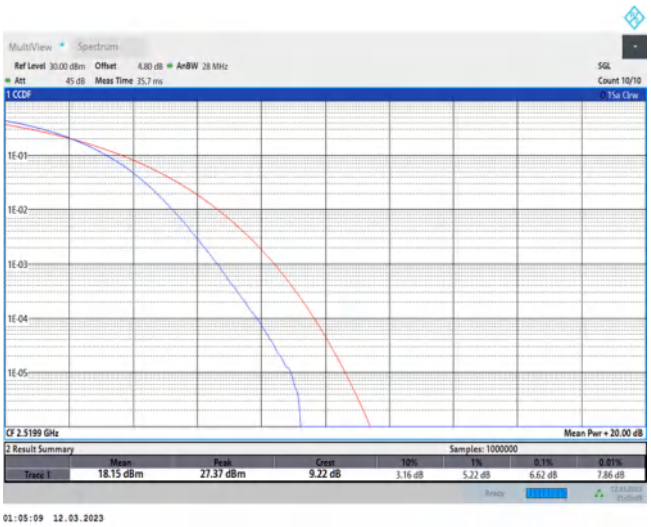

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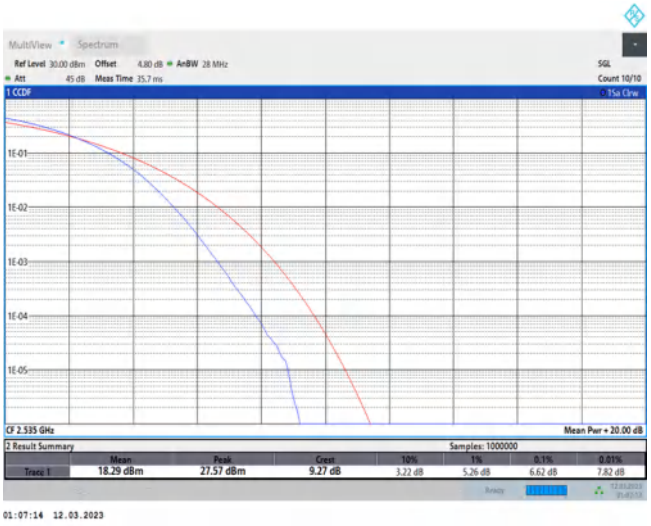
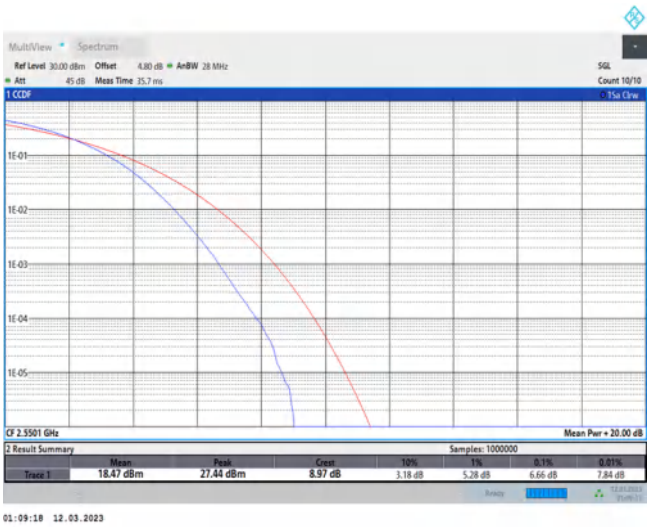
7-7-20MHz-20MHz-16QAM-16QAM-21001-21199-100RB#0-100RB#0



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



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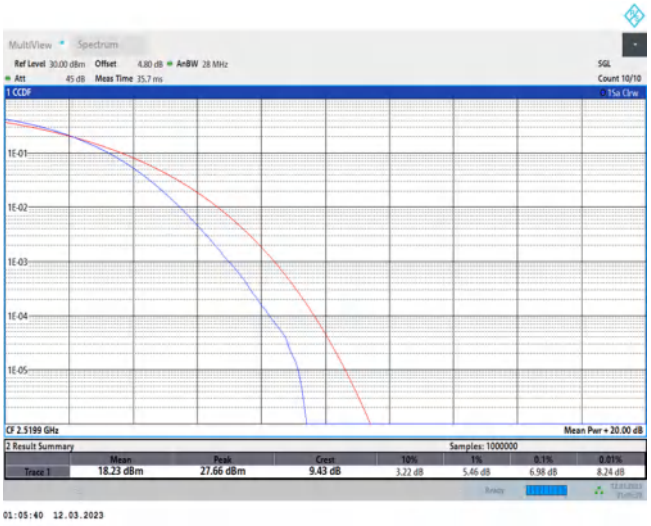
7-7-20MHz-20MHz-64QAM-64QAM-20850-21048-100RB#0-100RB#0



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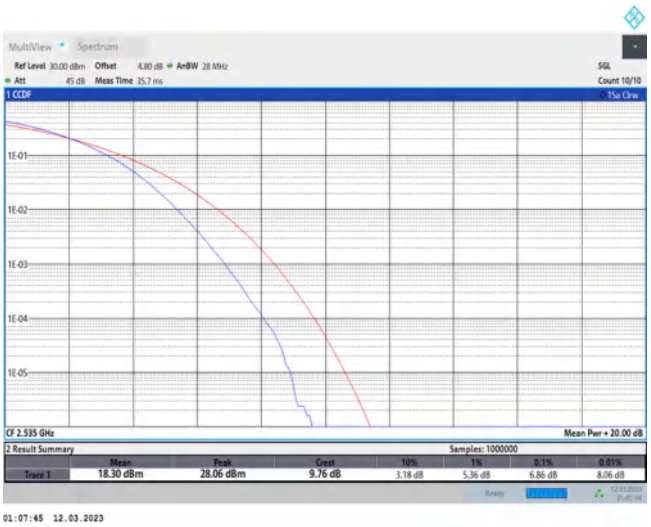

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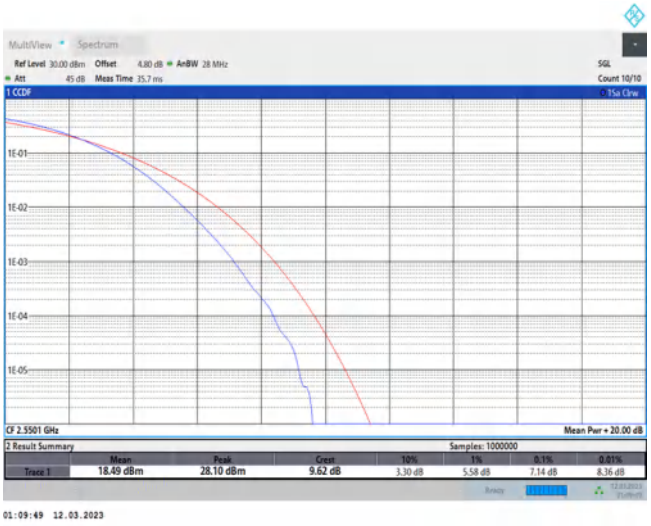
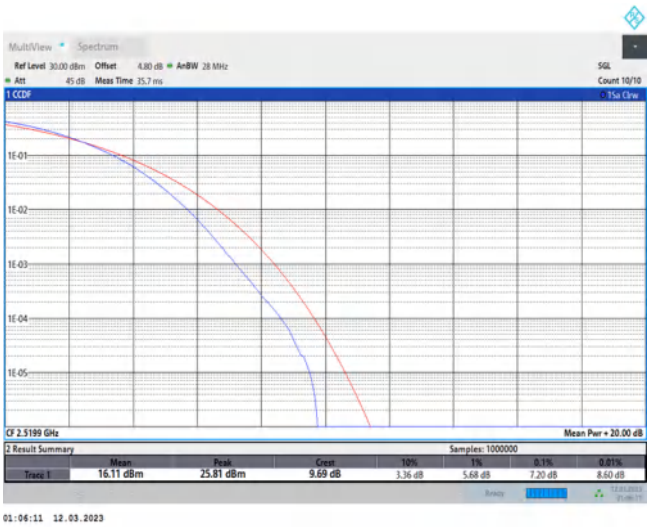


7-7-20MHz-20MHz-256QAM-256QAM-20850-21048-100RB#0-100RB#0



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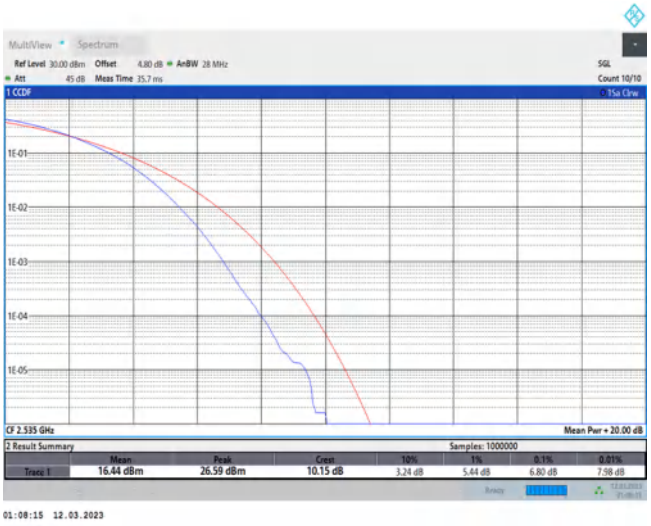
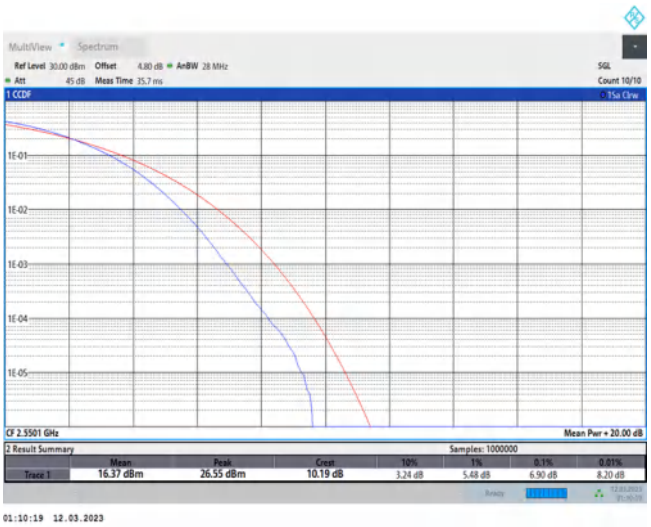
7-7-20MHz-20MHz-256QAM-256QAM-21001-21199-100RB#0-100RB#0



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



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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	27.618	29.04	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	27.536	29.10	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	50RB#0-100RB#0	27.542	29.10	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	27.648	29.16	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	27.589	29.16	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	50RB#0-100RB#0	27.587	29.10	PASS
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	50RB#0-100RB#0	27.598	29.16	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	50RB#0-100RB#0	27.495	29.04	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	50RB#0-100RB#0	27.502	29.16	PASS
7-7	10MHz-20MHz	256QAM-256QAM	20805-20949	50RB#0-100RB#0	27.618	29.04	PASS
7-7	10MHz-20MHz	256QAM-256QAM	21006-21150	50RB#0-100RB#0	27.547	29.10	PASS
7-7	10MHz-20MHz	256QAM-256QAM	21206-21350	50RB#0-100RB#0	27.506	29.10	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	75RB#0-50RB#0	23.114	24.80	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	23.079	24.70	PASS
7-7	15MHz-	QPSK-QPSK	21277-	75RB#0-50RB#0	23.07	24.75	PAS

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	10MHz		21397				S
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	75RB#0-50RB#0	23.09	24.60	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	75RB#0-50RB#0	23.076	24.55	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	75RB#0-50RB#0	23.047	24.55	PASS
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	75RB#0-50RB#0	23.078	24.60	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	75RB#0-50RB#0	23.066	24.65	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	75RB#0-50RB#0	23.017	24.60	PASS
7-7	15MHz-10MHz	256QAM-256QAM	20825-20945	75RB#0-50RB#0	23.105	24.55	PASS
7-7	15MHz-10MHz	256QAM-256QAM	21051-21171	75RB#0-50RB#0	23.082	24.55	PASS
7-7	15MHz-10MHz	256QAM-256QAM	21277-21397	75RB#0-50RB#0	23.049	24.55	PASS
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	75RB#0-75RB#0	28.232	30.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	75RB#0-75RB#0	28.212	30.12	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	75RB#0-75RB#0	28.21	29.94	PASS
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	75RB#0-75RB#0	28.222	29.82	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	75RB#0-75RB#0	28.19	30.48	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	75RB#0-75RB#0	28.155	29.88	PASS
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	75RB#0-75RB#0	28.201	30.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	75RB#0-75RB#0	28.234	30.06	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	75RB#0-75RB#0	28.151	29.94	PASS

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7-7	15MHz-15MHz	256QAM-256QAM	20825-20975	75RB#0-75RB#0	28.22	29.76	PASS
7-7	15MHz-15MHz	256QAM-256QAM	21025-21175	75RB#0-75RB#0	28.221	29.82	PASS
7-7	15MHz-15MHz	256QAM-256QAM	21225-21375	75RB#0-75RB#0	28.199	29.88	PASS
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	75RB#0-100RB#0	32.429	34.16	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	75RB#0-100RB#0	32.41	34.09	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	75RB#0-100RB#0	32.44	34.30	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	75RB#0-100RB#0	32.489	34.09	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	75RB#0-100RB#0	32.493	34.16	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	75RB#0-100RB#0	32.477	34.16	PASS
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	75RB#0-100RB#0	32.423	34.16	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	75RB#0-100RB#0	32.398	34.23	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	75RB#0-100RB#0	32.379	34.16	PASS
7-7	15MHz-20MHz	256QAM-256QAM	20828-20999	75RB#0-100RB#0	32.438	34.23	PASS
7-7	15MHz-20MHz	256QAM-256QAM	21003-21174	75RB#0-100RB#0	32.437	34.23	PASS
7-7	15MHz-20MHz	256QAM-256QAM	21179-21350	75RB#0-100RB#0	32.394	34.16	PASS
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	100RB#0-50RB#0	27.695	29.34	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	27.676	29.46	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	27.68	29.28	PASS
7-7	20MHz-	16QAM-16QAM	20850-	100RB#0-50RB#0	27.649	29.34	PAS

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	10MHz		20994				S
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	100RB#0-50RB#0	27.697	29.28	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	100RB#0-50RB#0	27.664	29.34	PASS
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	100RB#0-50RB#0	27.638	29.28	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	100RB#0-50RB#0	27.674	29.34	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	100RB#0-50RB#0	27.597	29.28	PASS
7-7	20MHz-10MHz	256QAM-256QAM	20850-20994	100RB#0-50RB#0	27.635	29.22	PASS
7-7	20MHz-10MHz	256QAM-256QAM	21051-21195	100RB#0-50RB#0	27.628	29.46	PASS
7-7	20MHz-10MHz	256QAM-256QAM	21251-21395	100RB#0-50RB#0	27.641	29.34	PASS
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	100RB#0-75RB#0	32.486	34.30	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	32.519	34.16	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	100RB#0-75RB#0	32.542	34.30	PASS
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	100RB#0-75RB#0	32.489	34.23	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	100RB#0-75RB#0	32.544	34.30	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	100RB#0-75RB#0	32.477	34.30	PASS
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	100RB#0-75RB#0	32.443	34.44	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	100RB#0-75RB#0	32.492	34.23	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	100RB#0-75RB#0	32.472	34.37	PASS
7-7	20MHz-15MHz	256QAM-256QAM	20850-21021	100RB#0-75RB#0	32.478	34.23	PASS

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7-7	20MHz-15MHz	256QAM-256QAM	21026-21197	100RB#0-75RB#0	32.52	34.16	PASS
7-7	20MHz-15MHz	256QAM-256QAM	21201-21372	100RB#0-75RB#0	32.482	34.30	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	37.574	40.16	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	37.569	40.16	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	37.583	40.24	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	100RB#0-100RB#0	37.574	40.24	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	100RB#0-100RB#0	37.603	40.24	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	100RB#0-100RB#0	37.596	40.08	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	100RB#0-100RB#0	37.479	40.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	100RB#0-100RB#0	37.513	40.08	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	100RB#0-100RB#0	37.501	40.08	PASS
7-7	20MHz-20MHz	256QAM-256QAM	20850-21048	100RB#0-100RB#0	37.578	40.08	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21001-21199	100RB#0-100RB#0	37.538	40.08	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21152-21350	100RB#0-100RB#0	37.562	40.16	PASS

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Test Graphs

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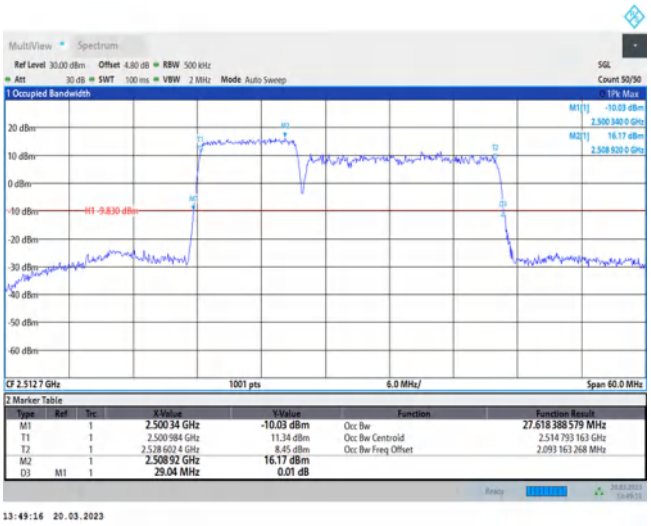

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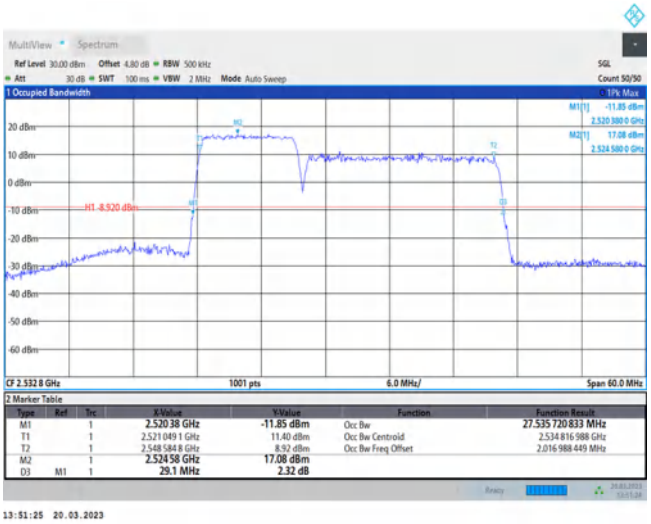

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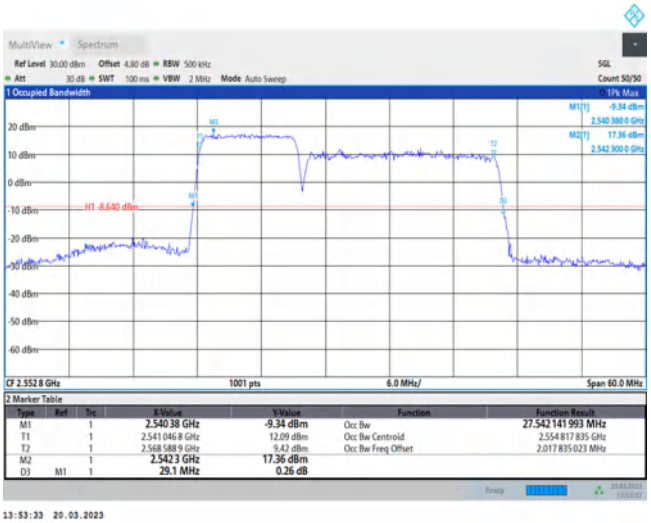

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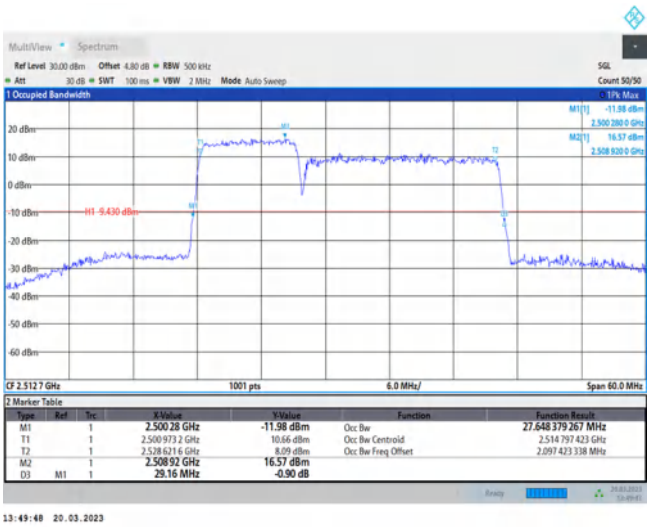

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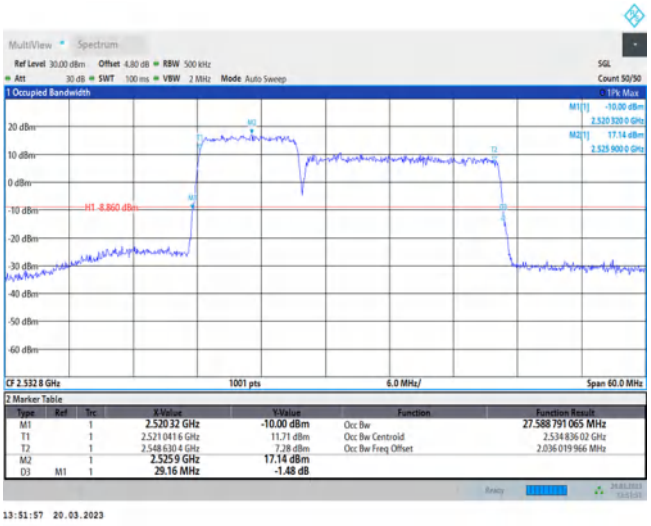

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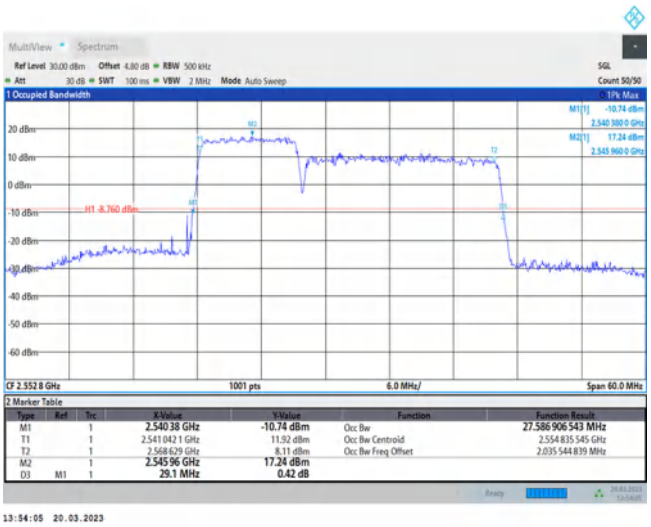

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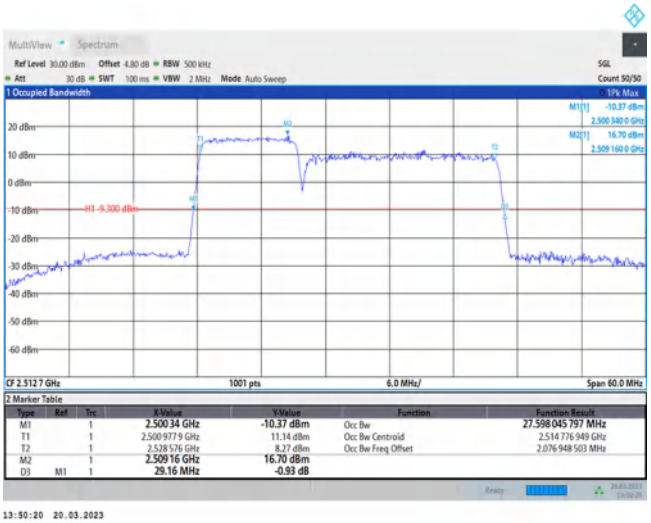

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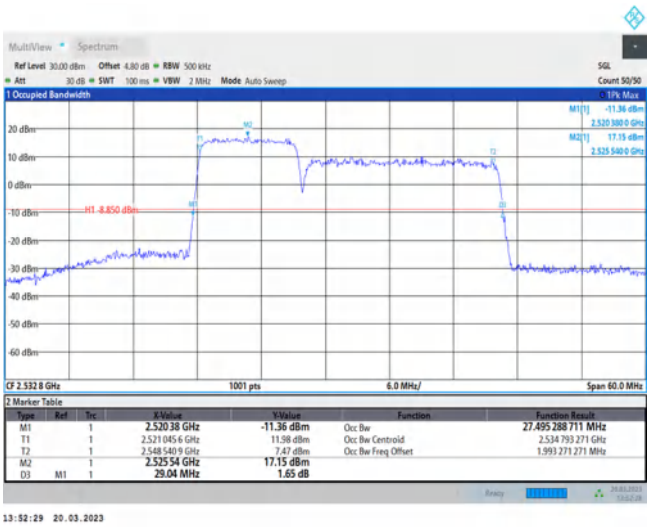

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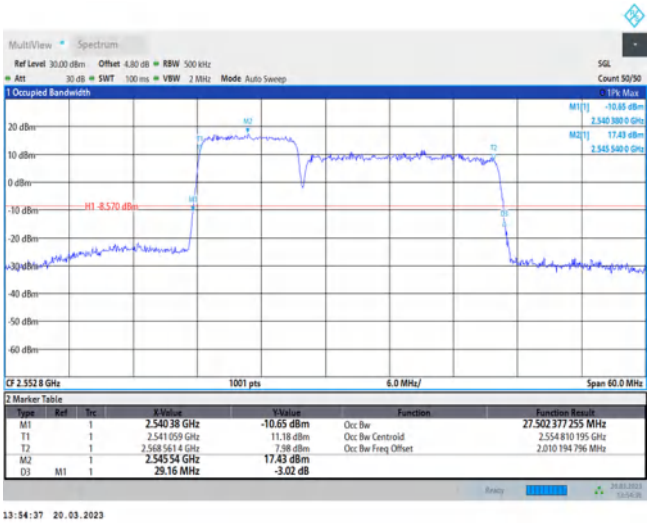

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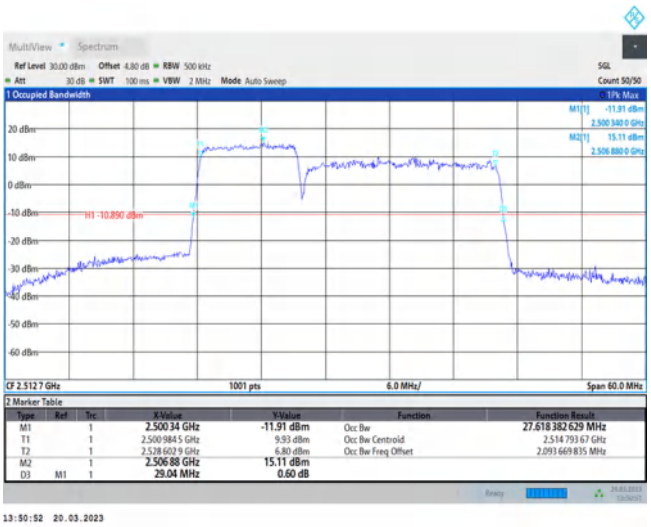

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7-7-10MHz-20MHz-256QAM-256QAM-21006-21150-50RB#0-100RB#0

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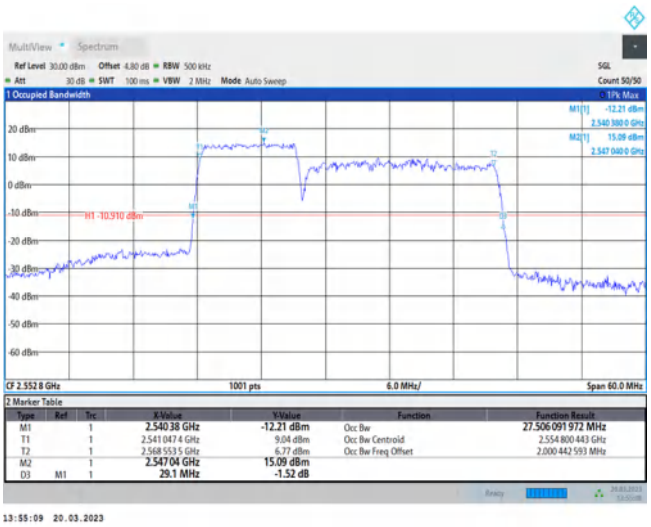

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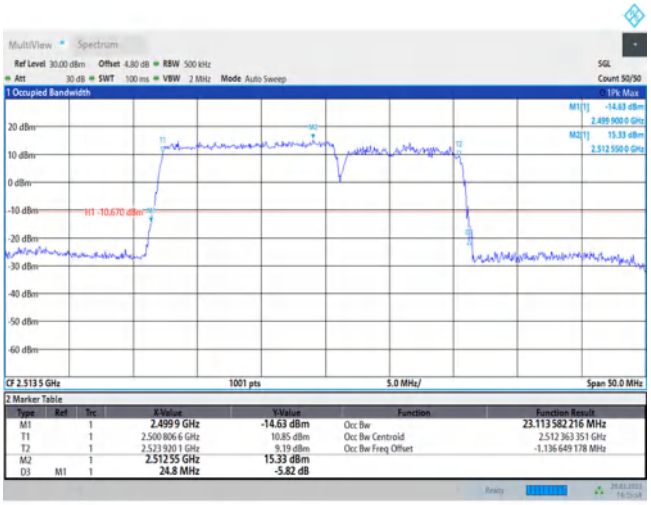

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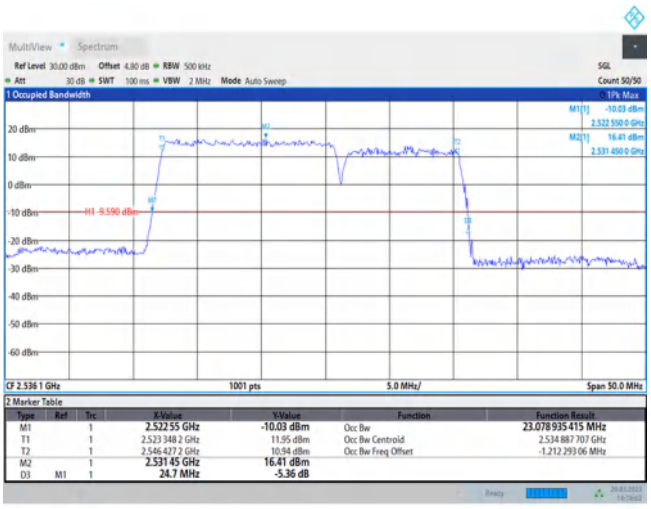

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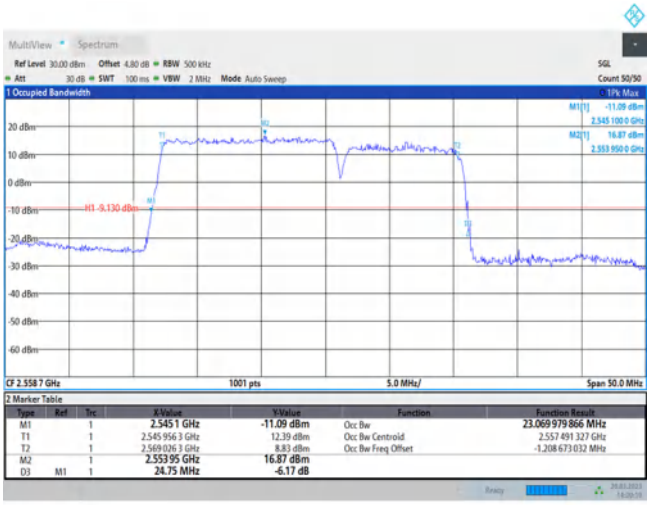

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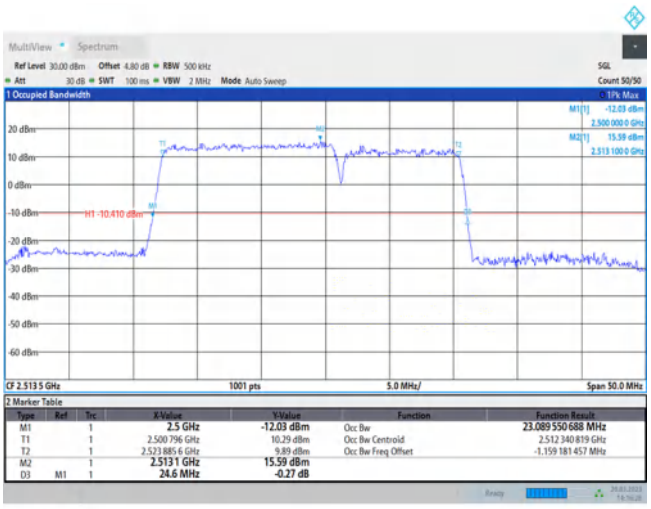

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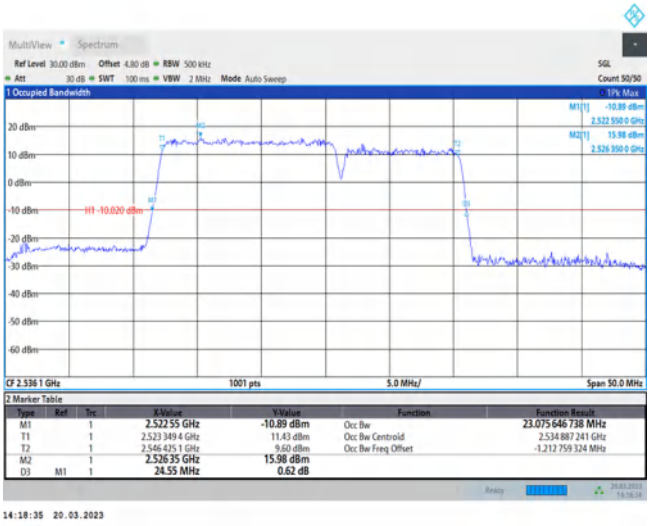

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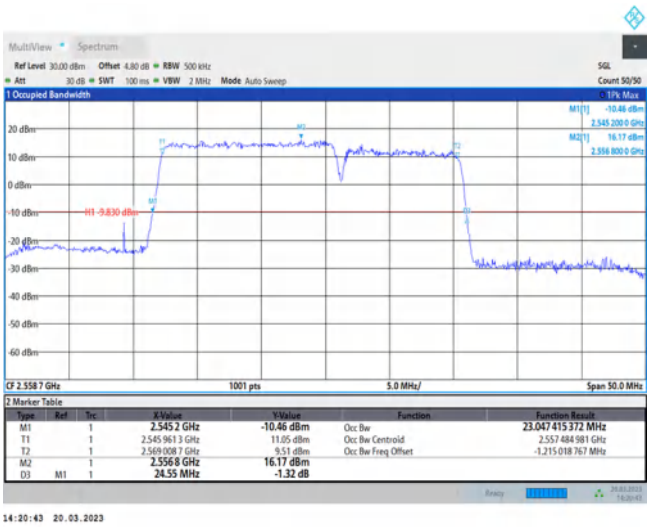

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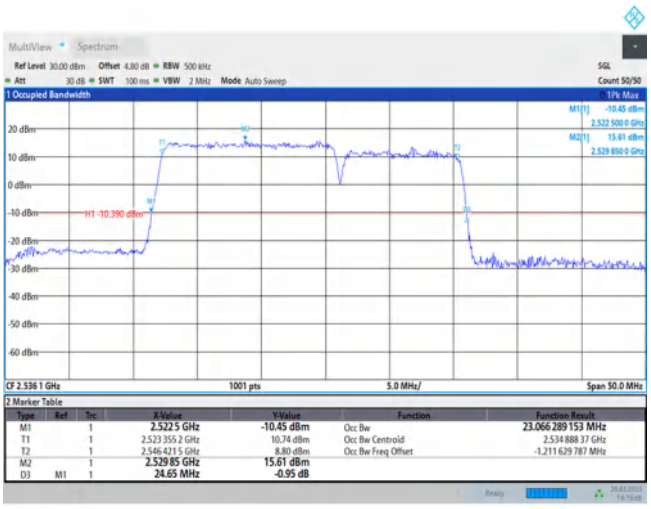

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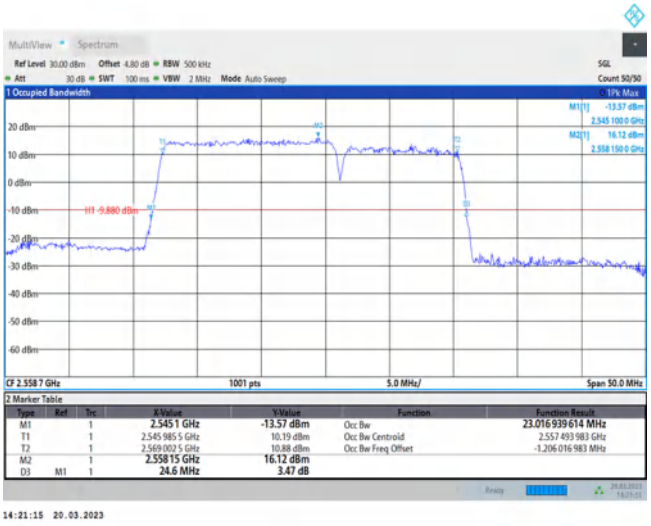

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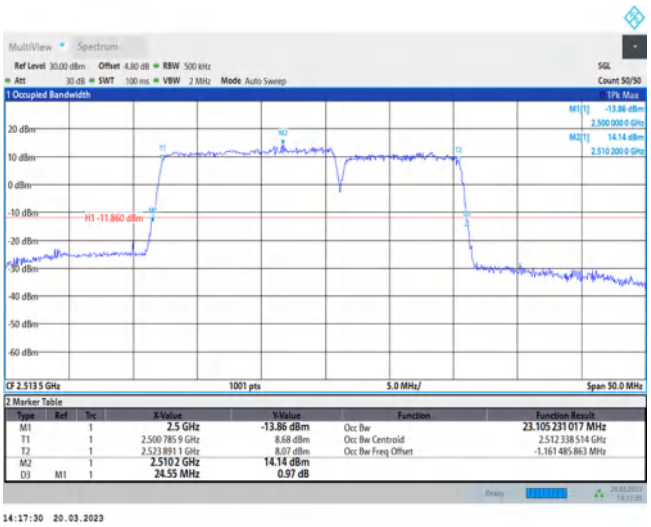

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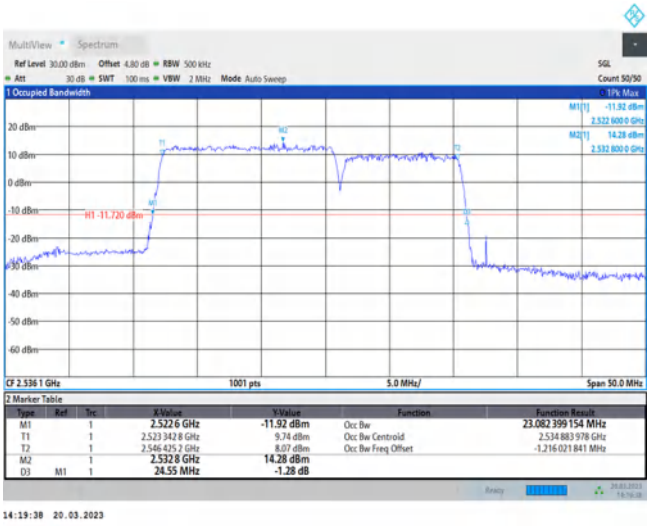

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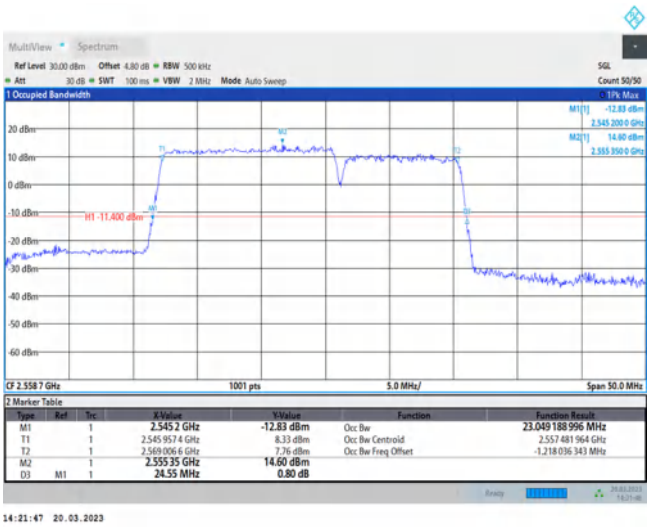

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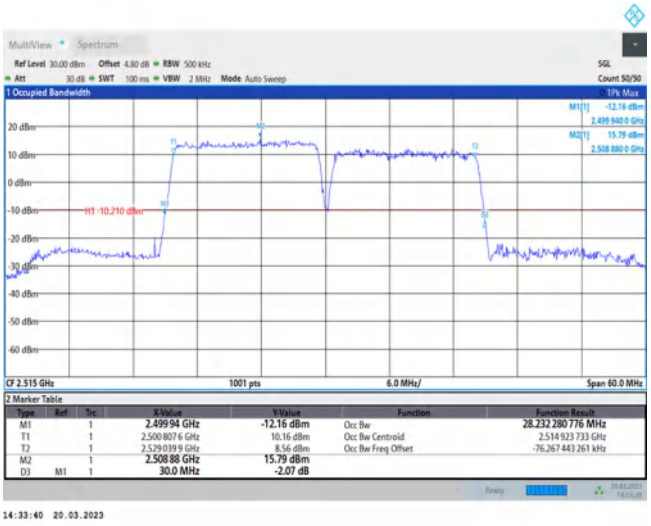

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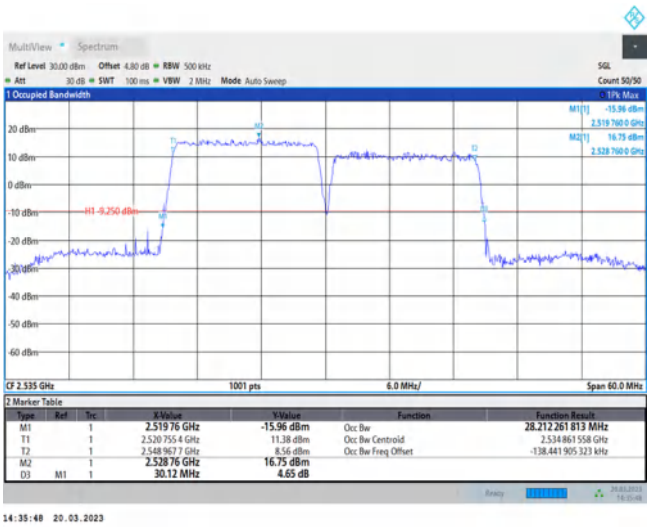

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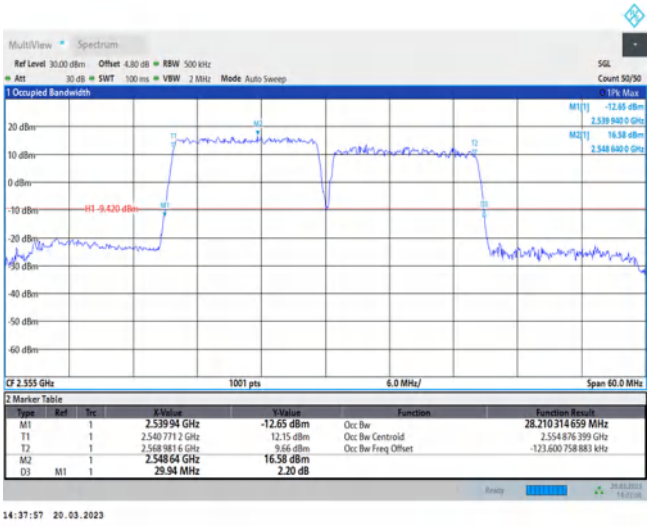

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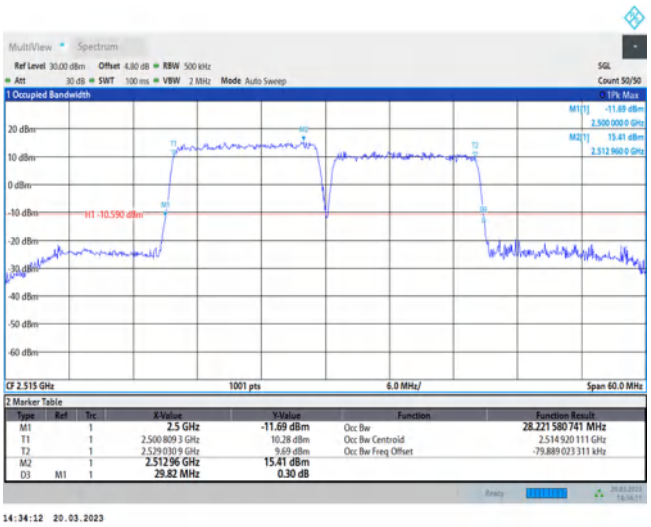

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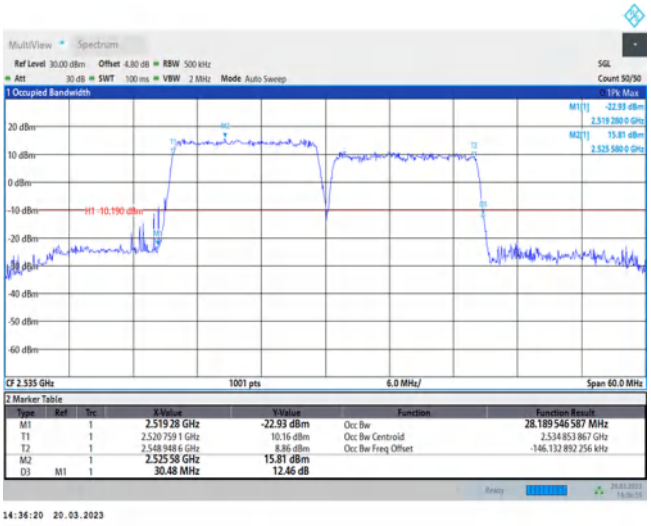

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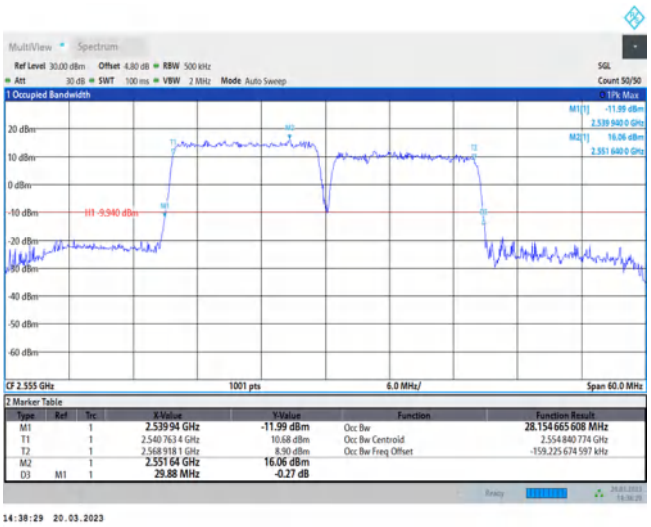

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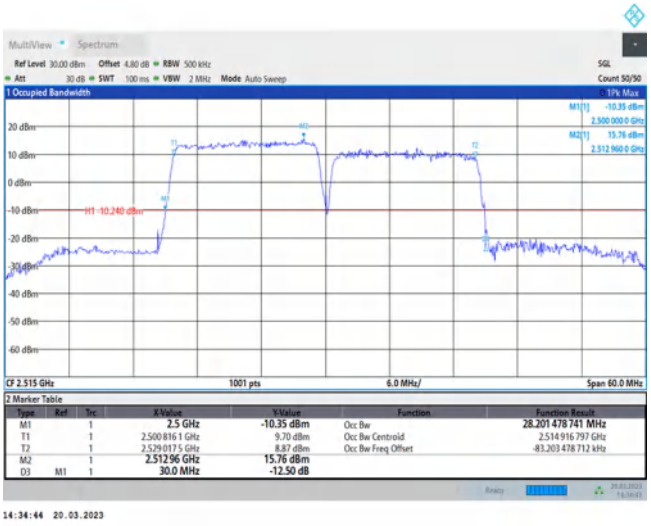

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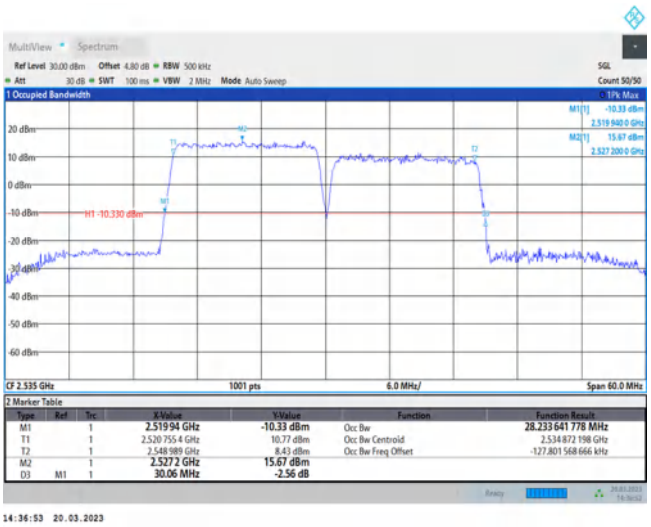

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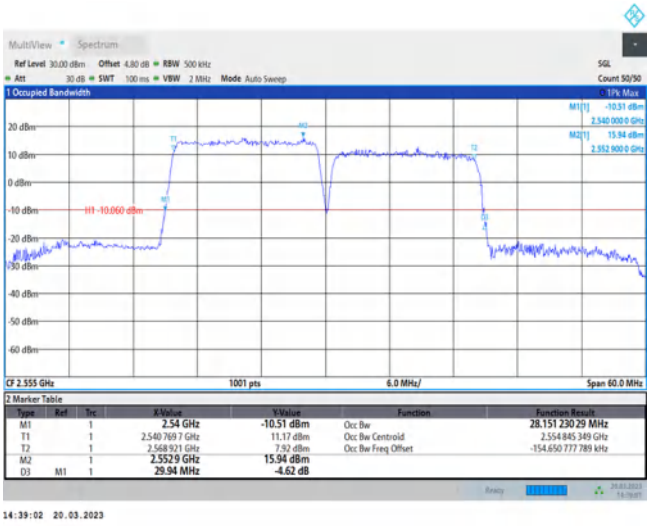

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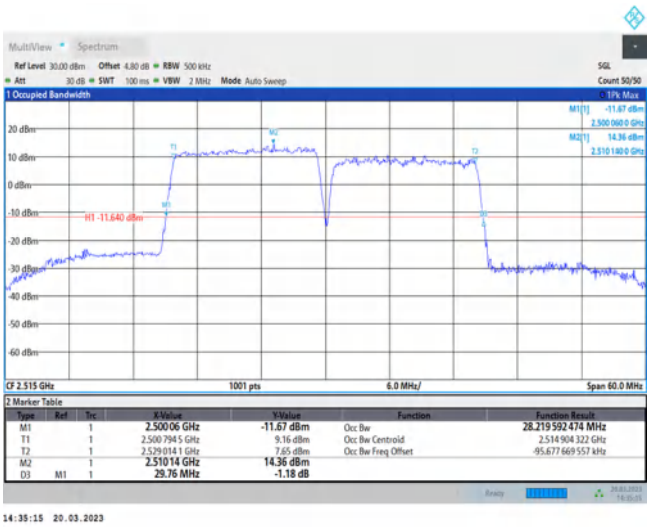

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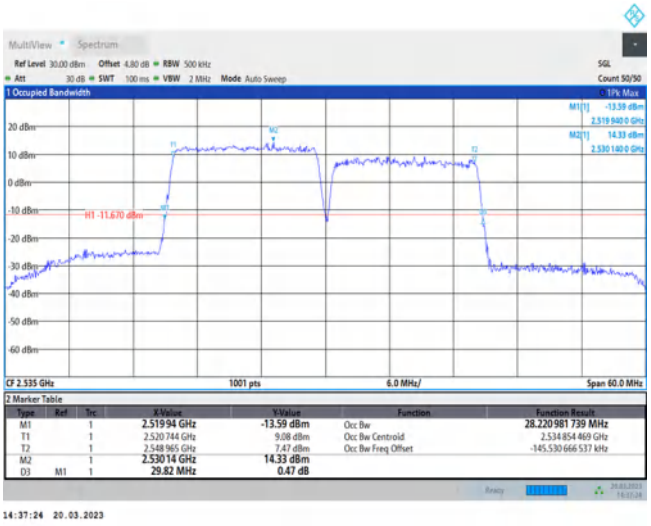

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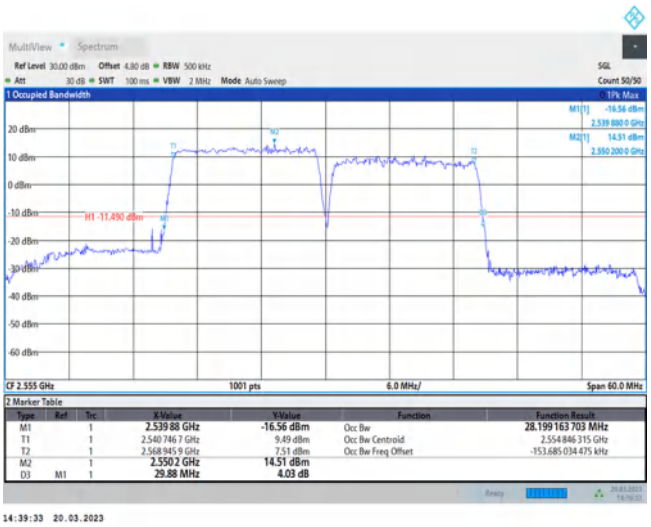

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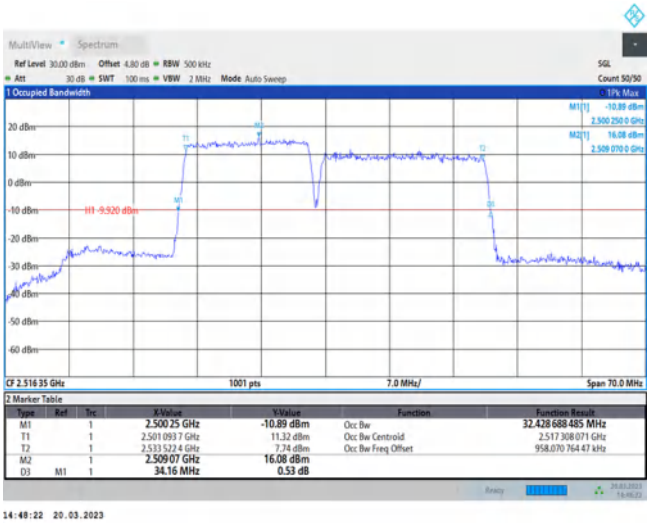

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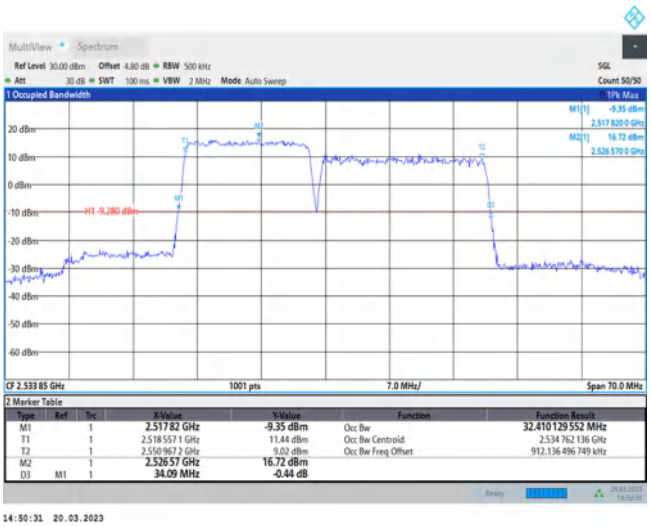

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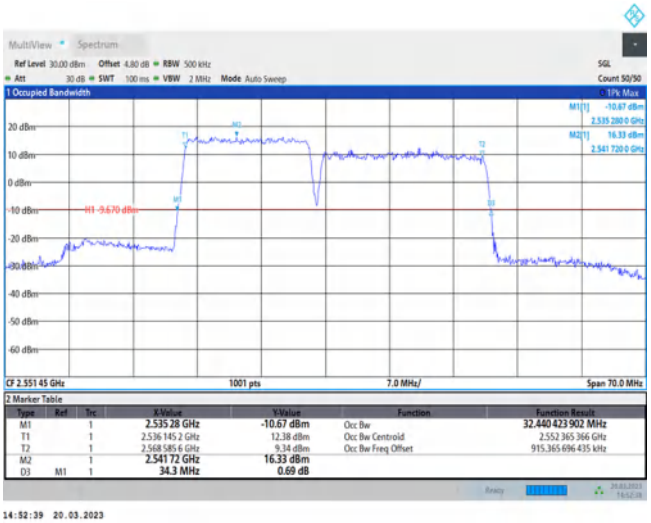

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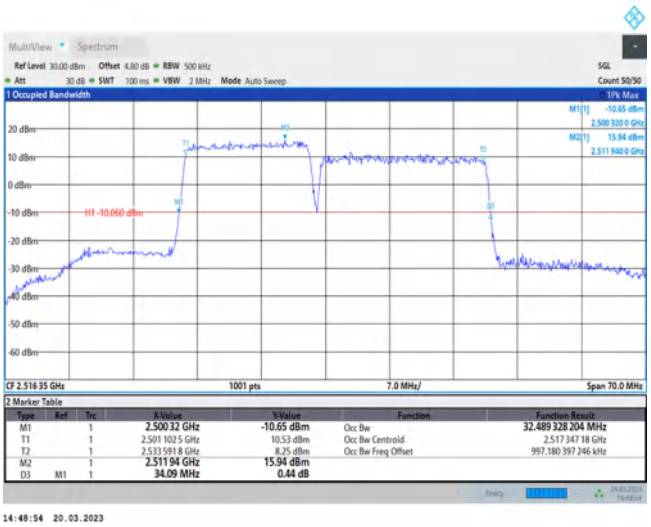

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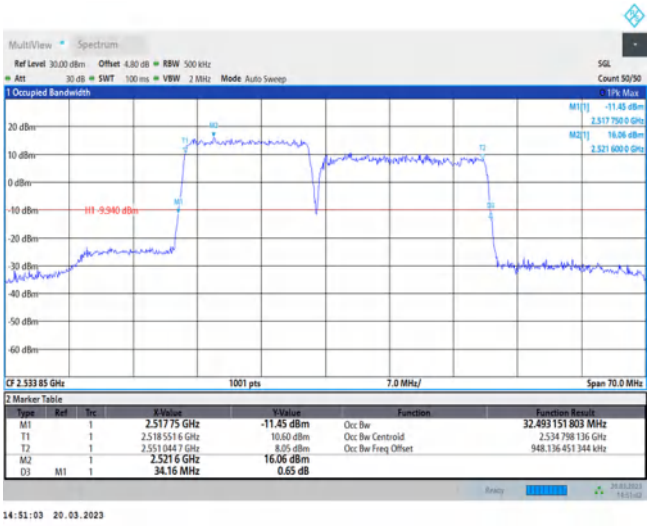

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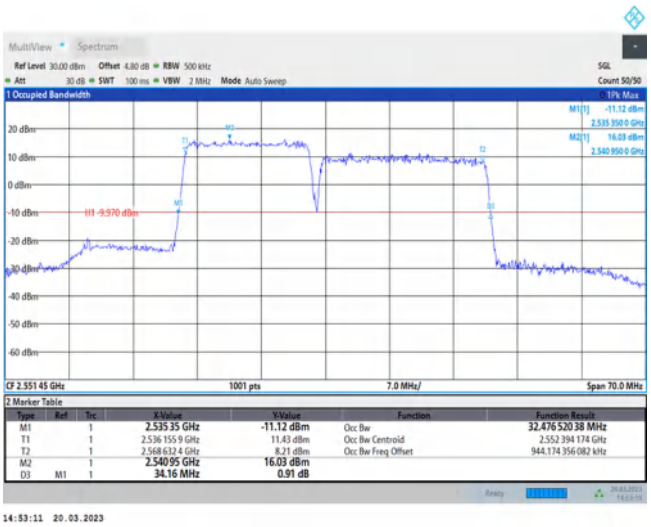

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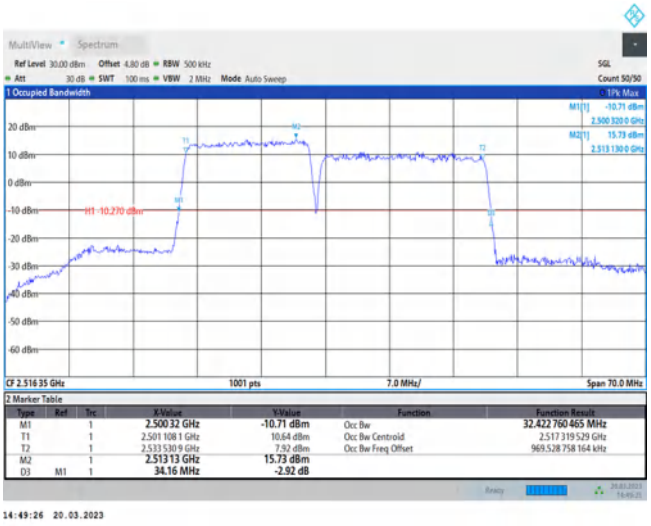

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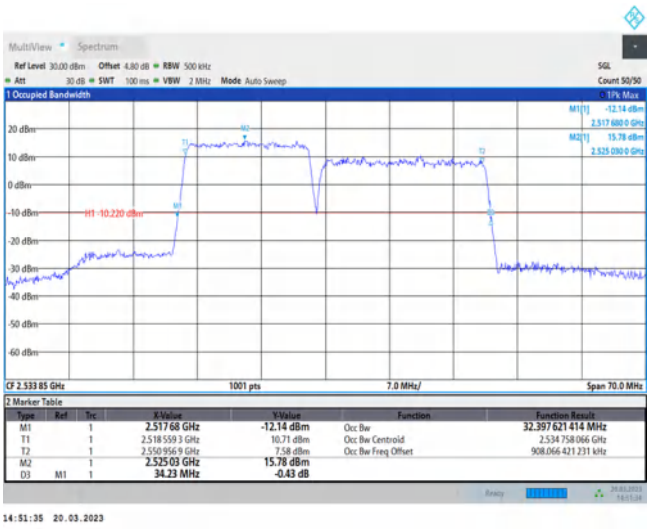

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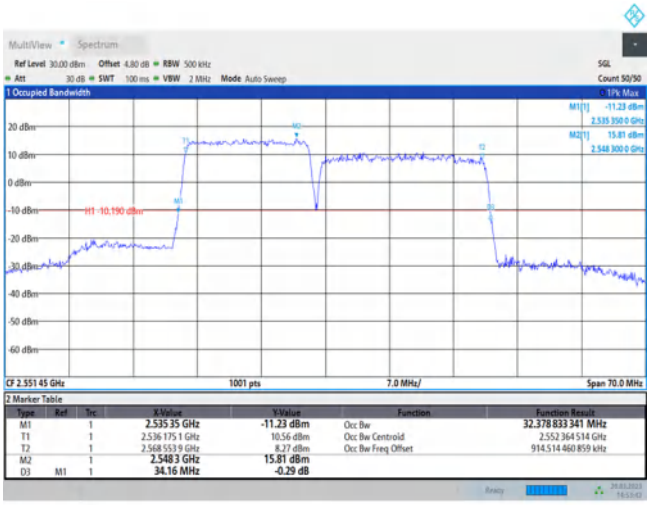

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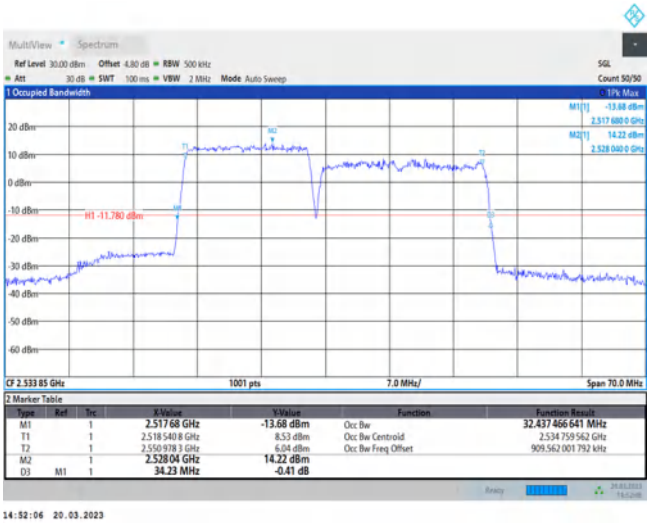

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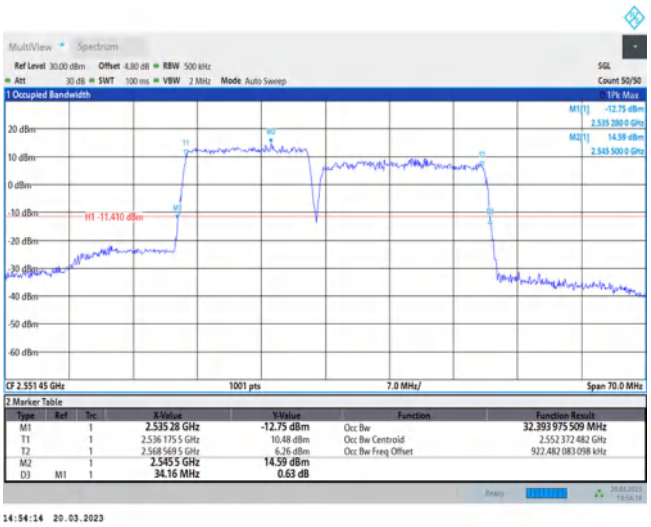

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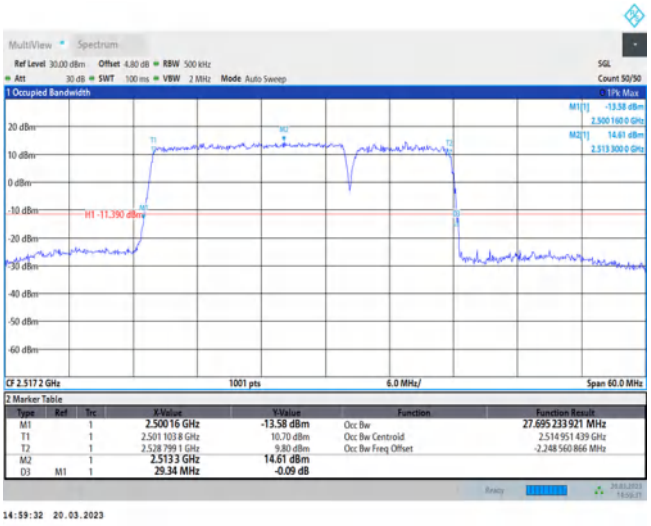

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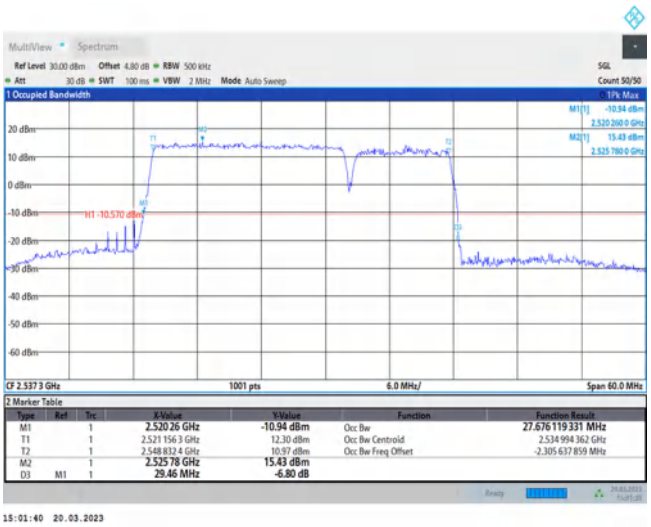

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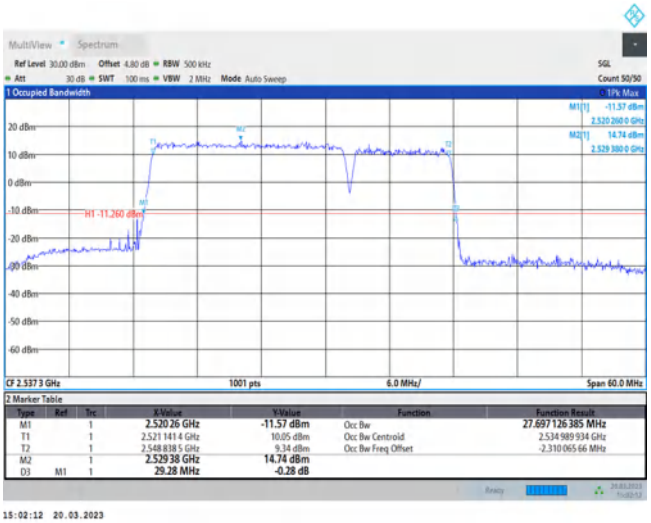

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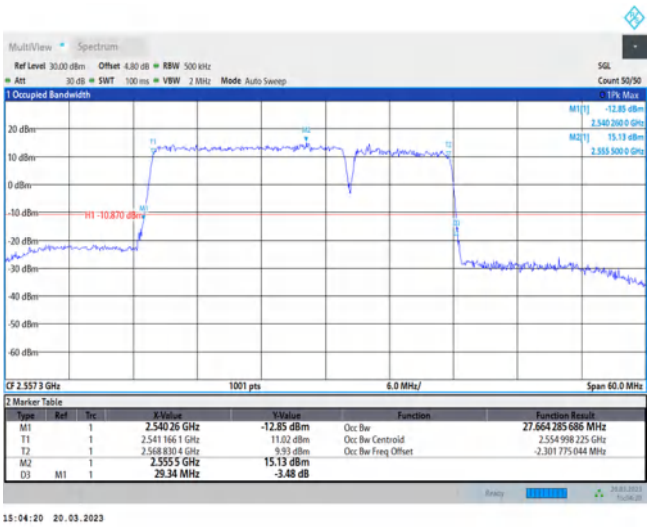

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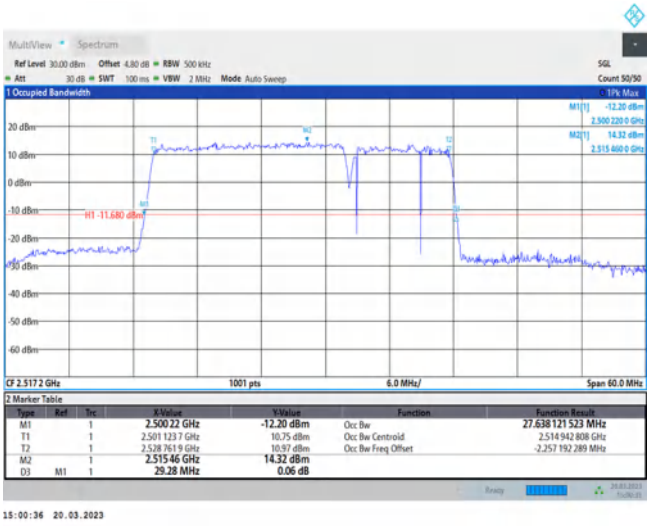

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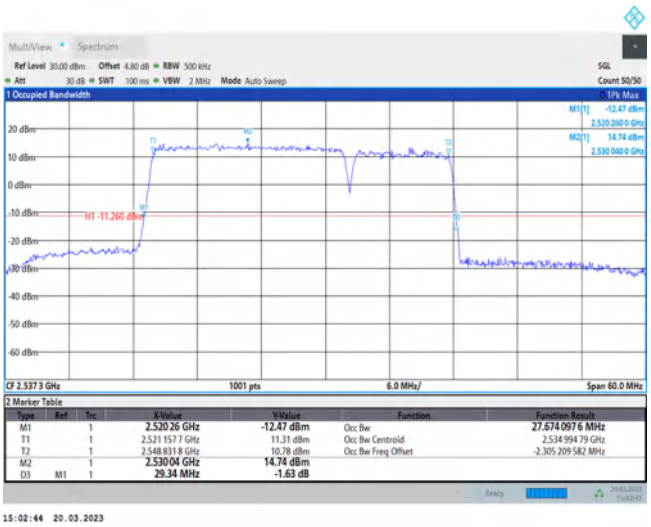

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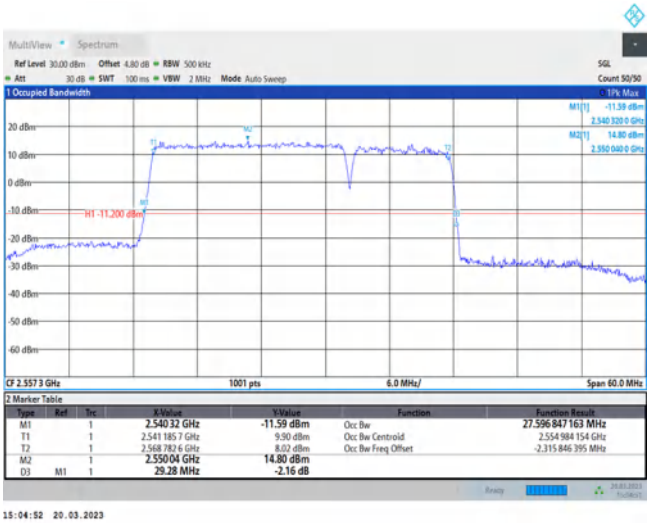

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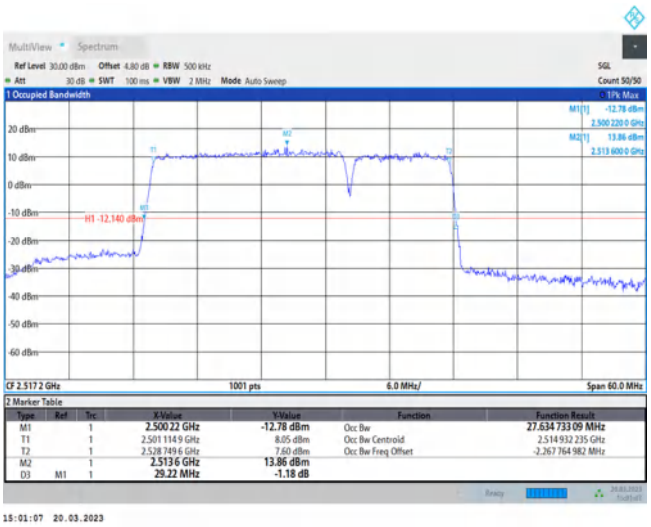

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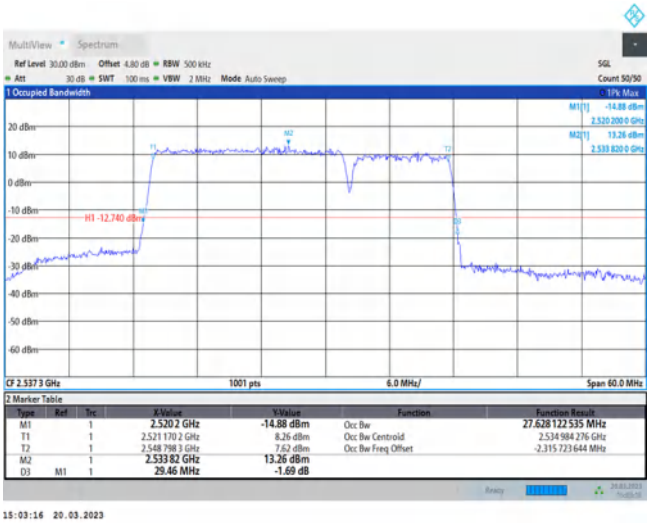

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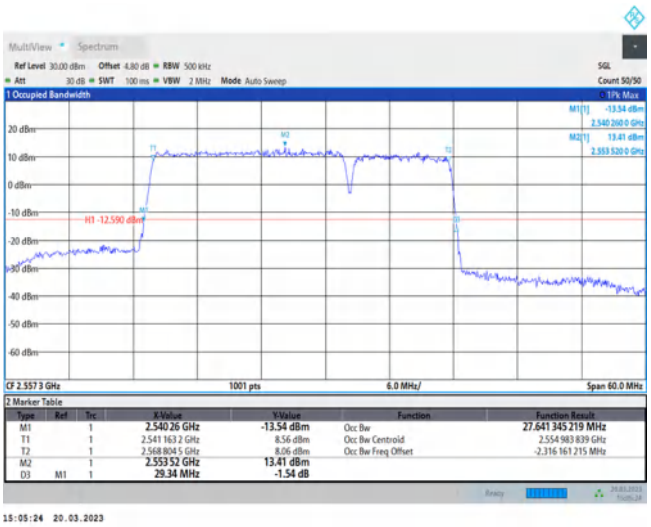

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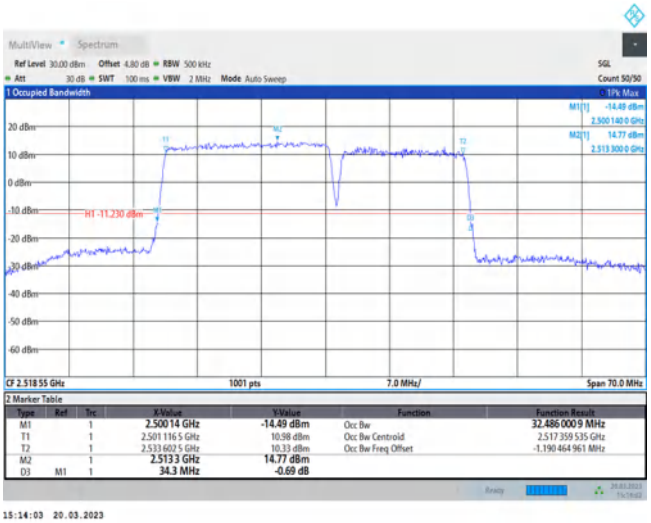

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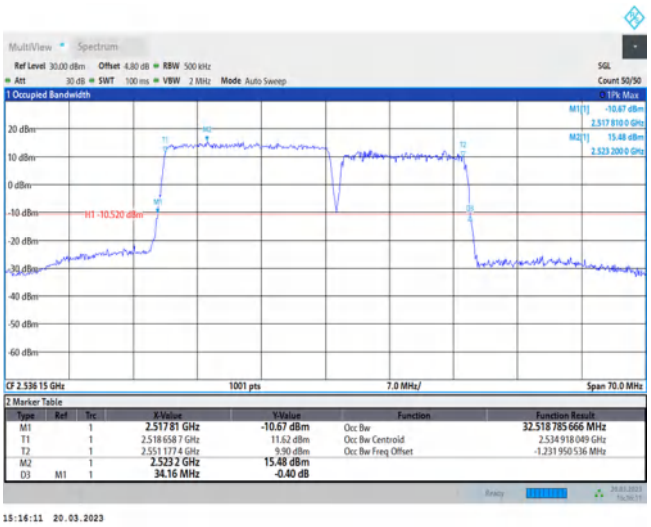

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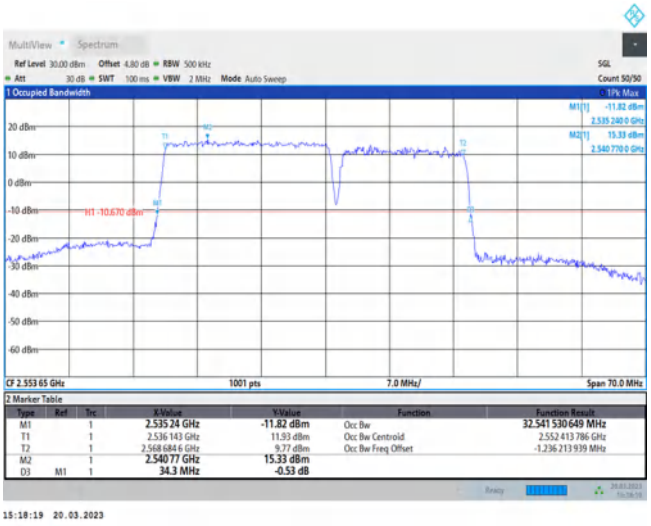

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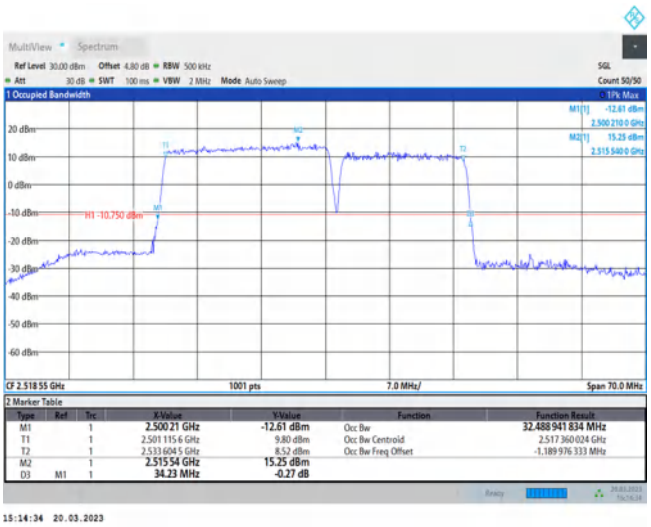

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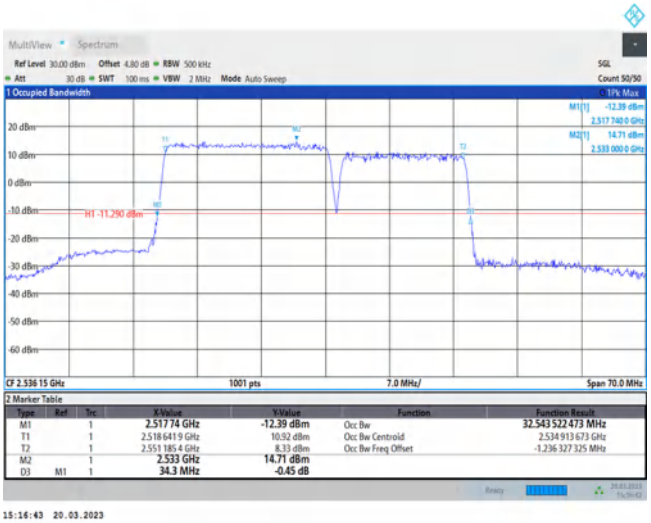

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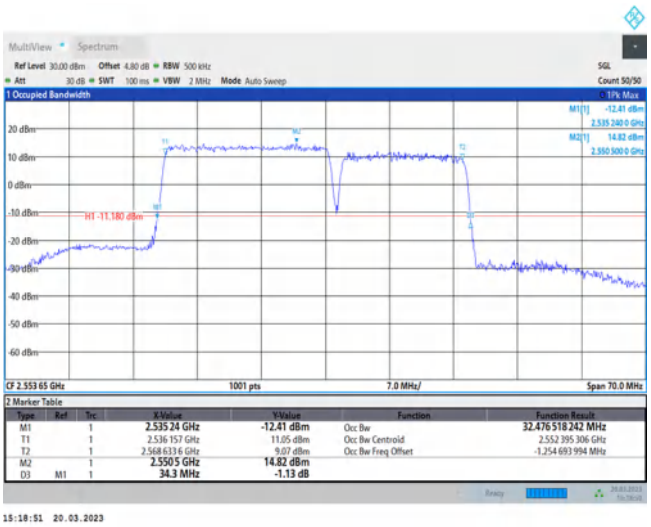

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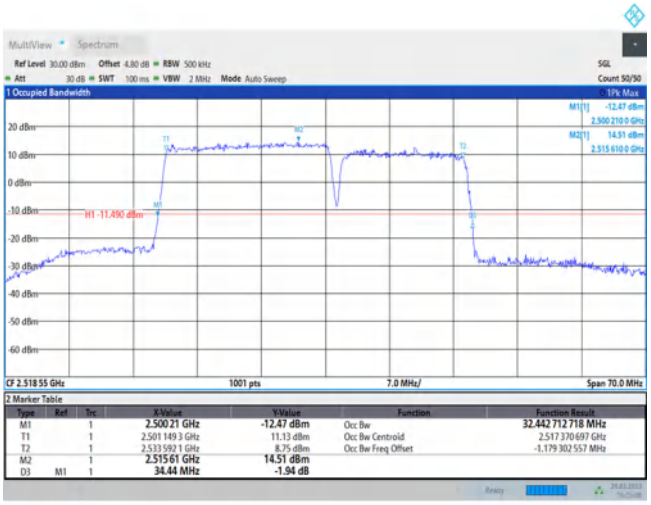
7-7-20MHz-15MHz-64QAM-64QAM-20850-21021-100RB#0-75RB#0



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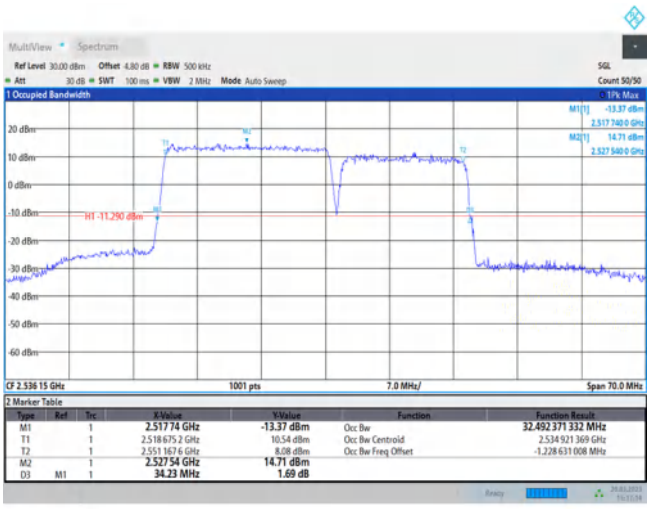

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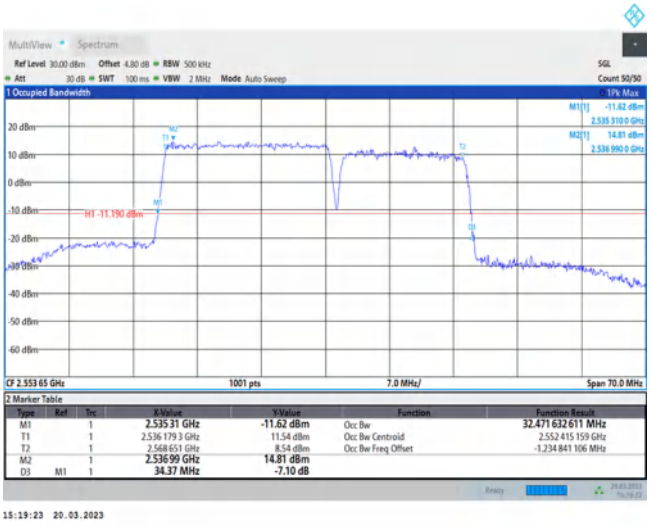

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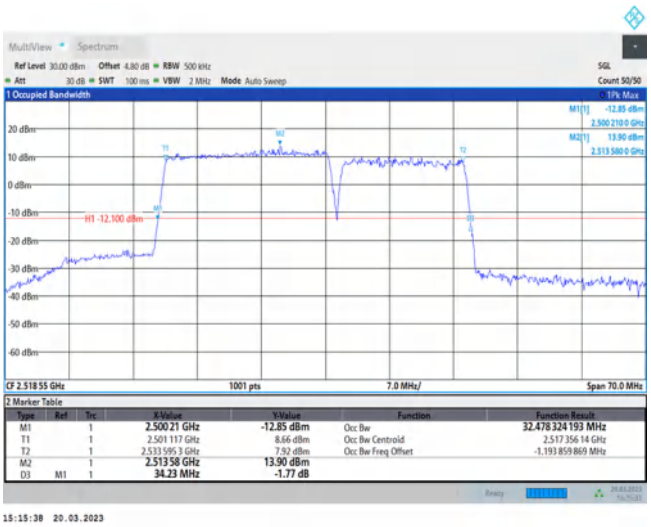

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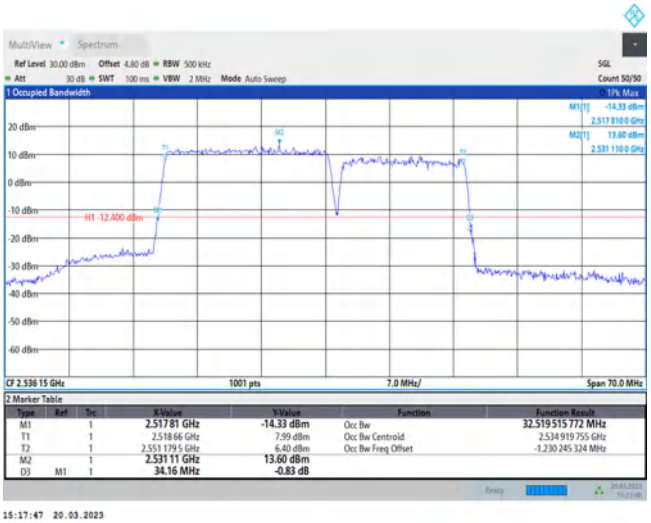

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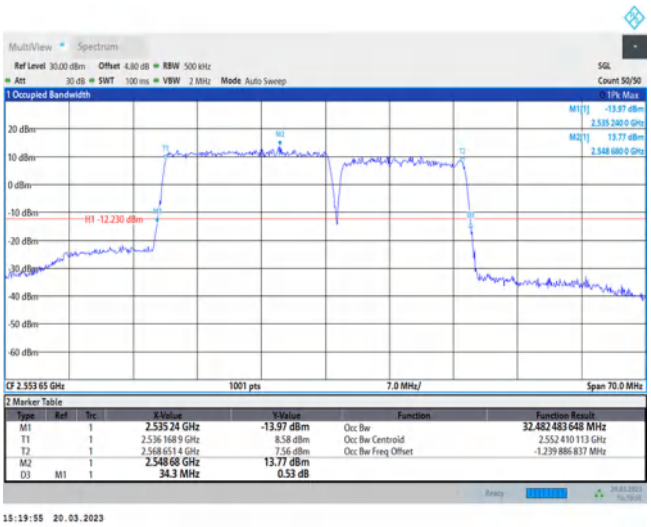

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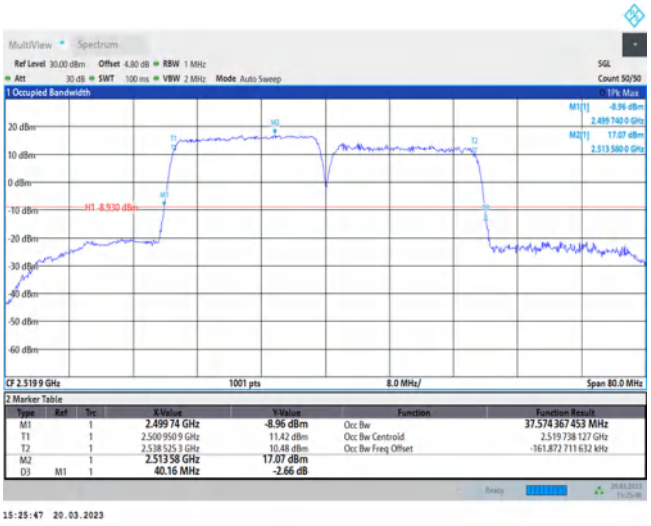

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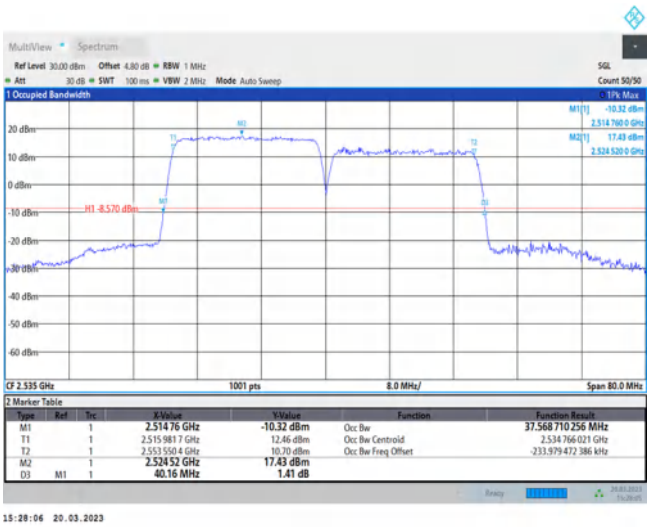

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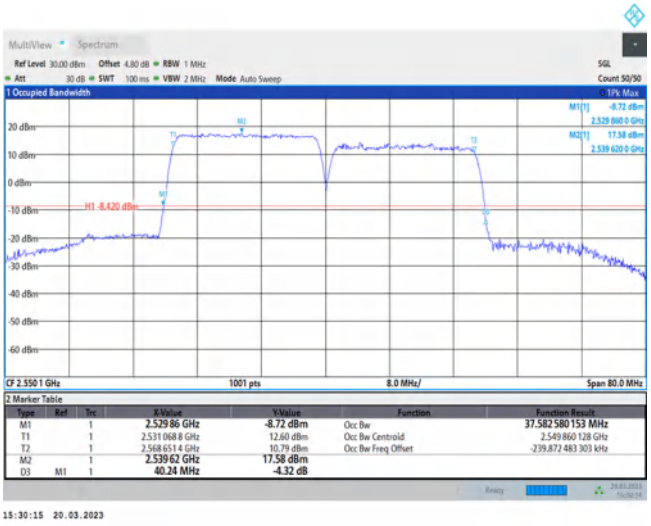

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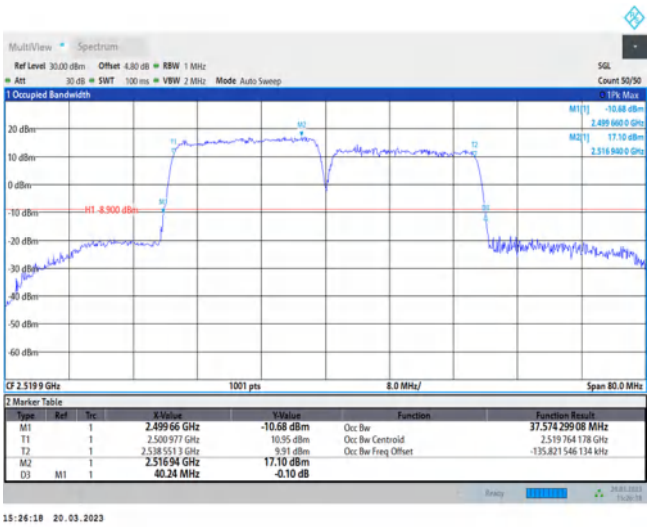

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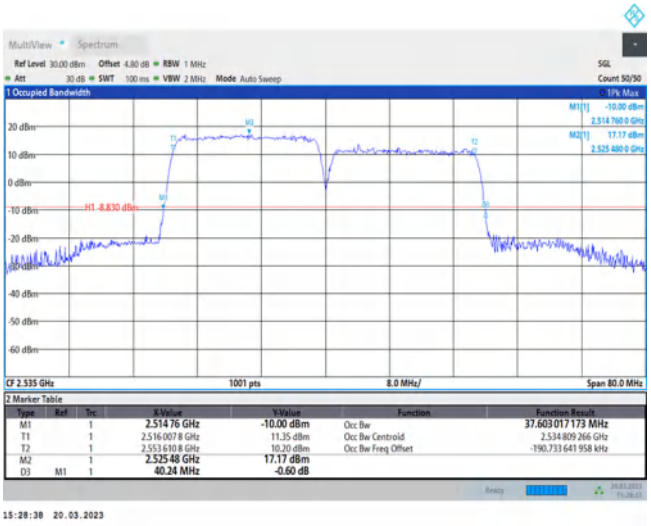

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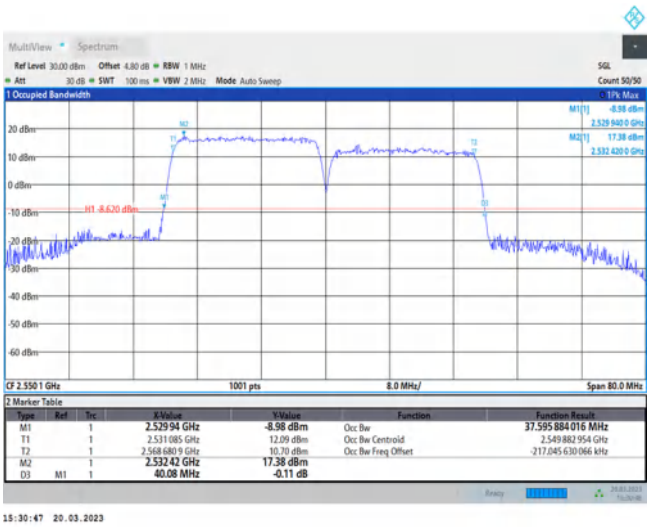

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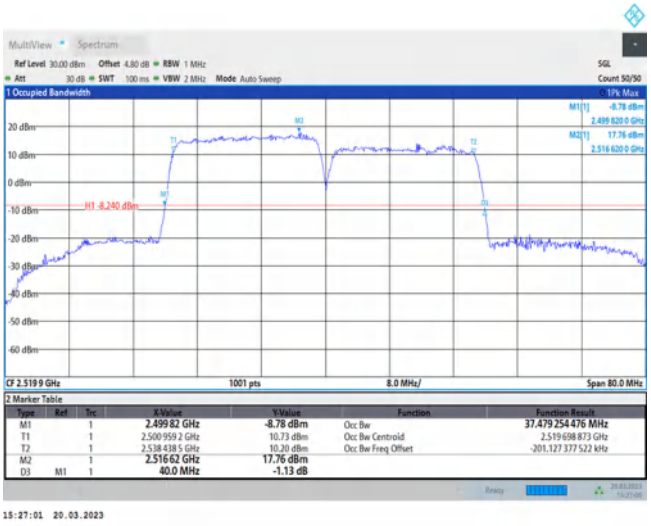

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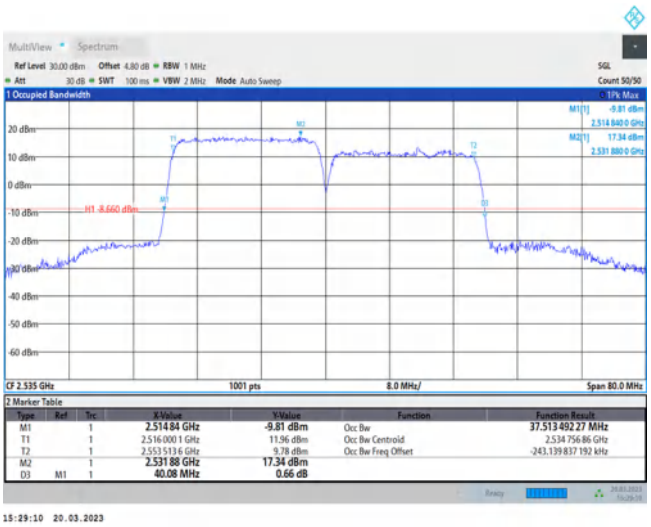

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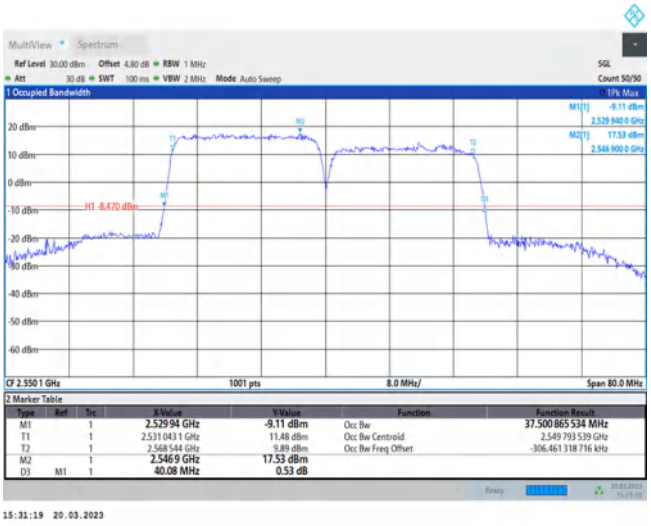
7-7-20MHz-20MHz-64QAM-64QAM-21152-21350-100RB#0-100RB#0



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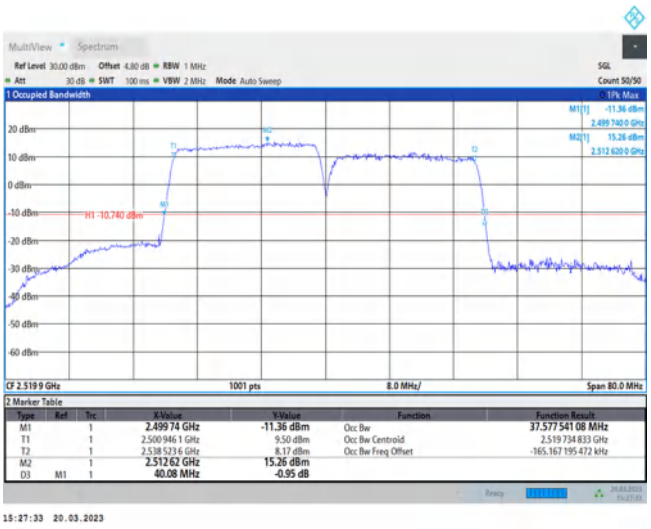

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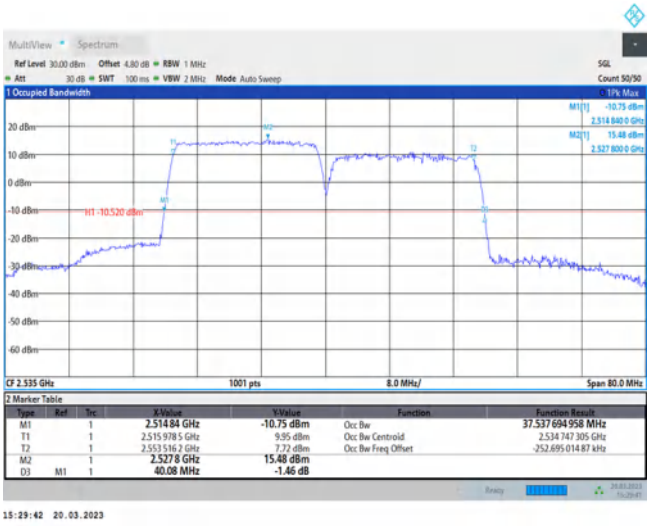

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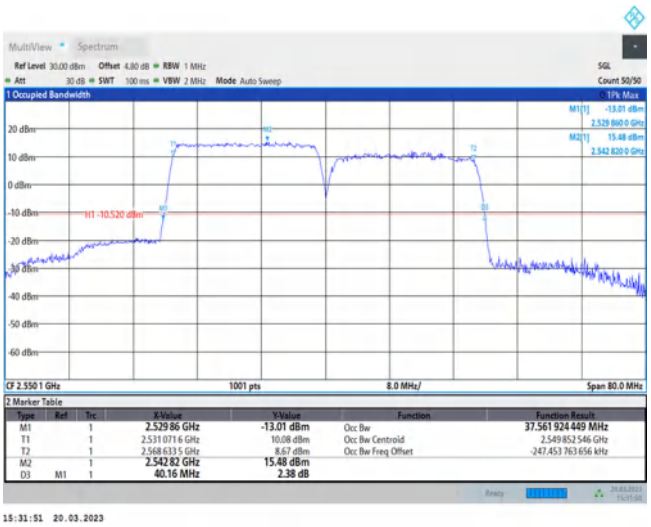

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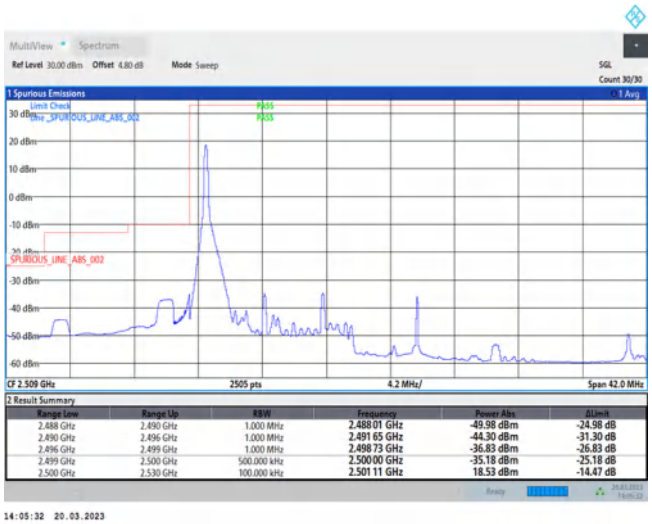
Band Edge

Test Graphs

7-7-10MHz-20MHz-QPSK-QPSK-20805-20949-1RB#0-0RB#0



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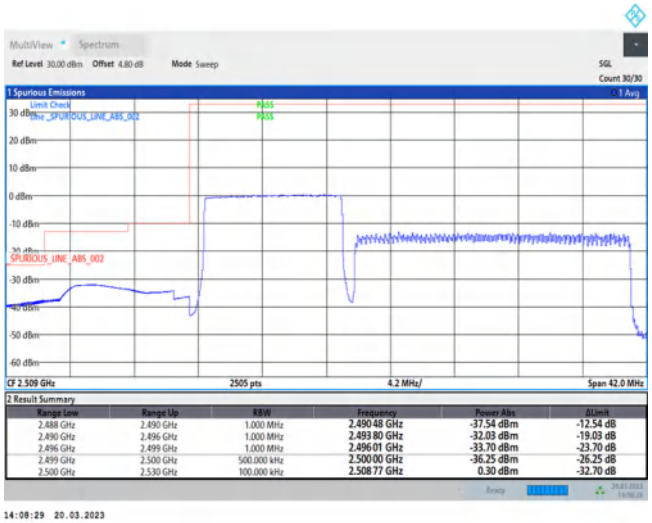

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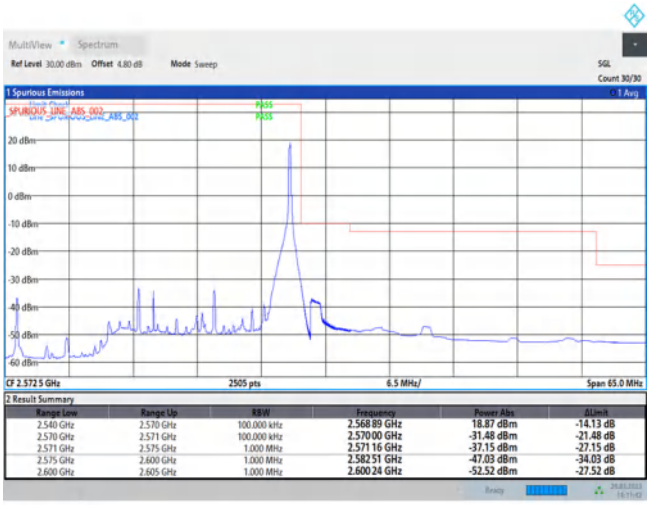

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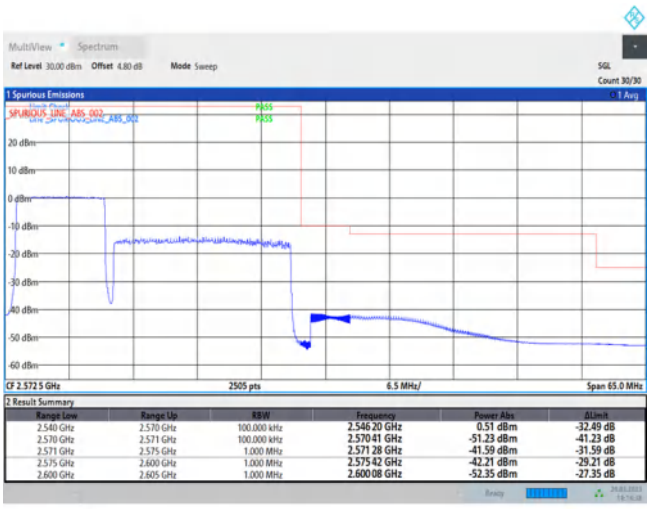

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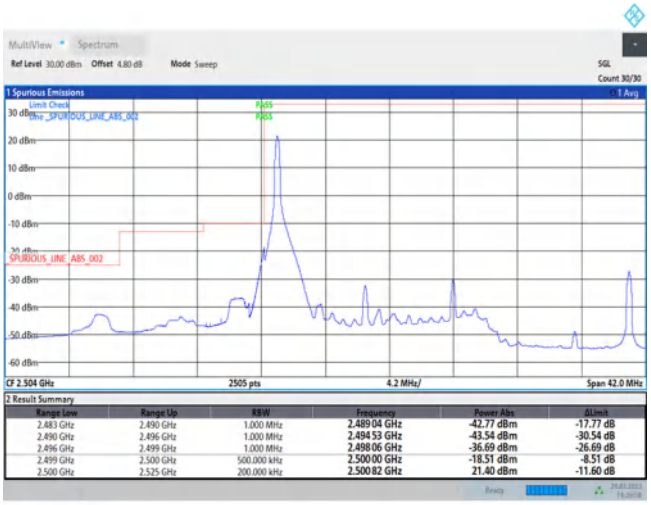
7-7-15MHz-10MHz-QPSK-QPSK-20825-20945-1RB#0-0RB#0



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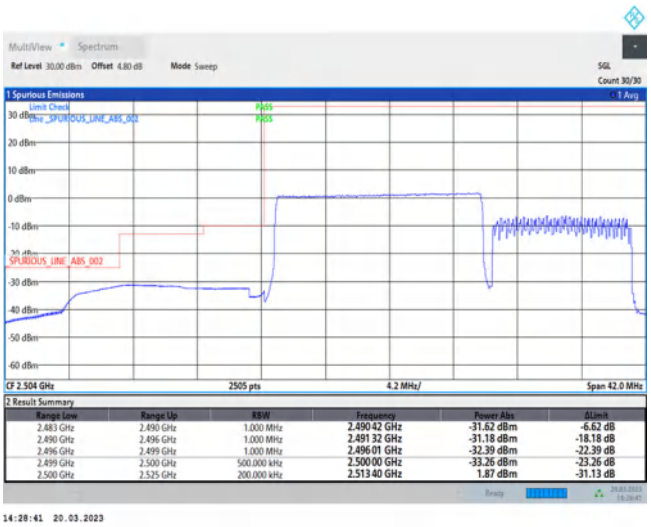

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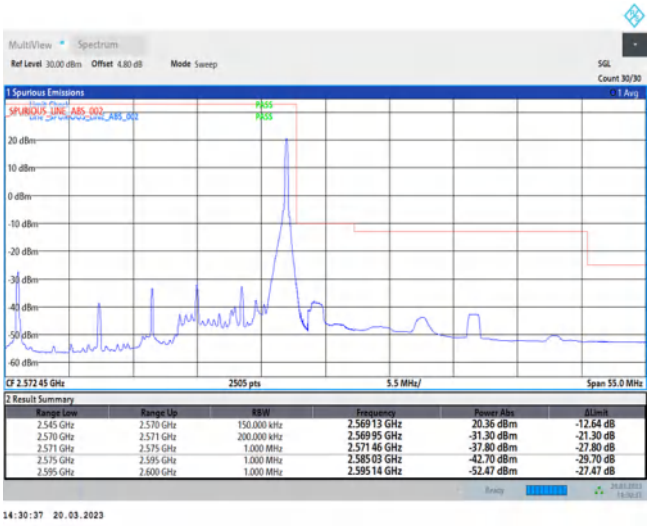

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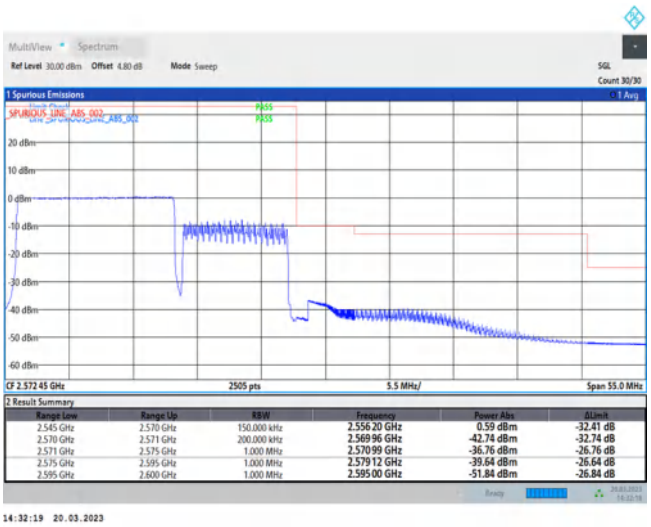

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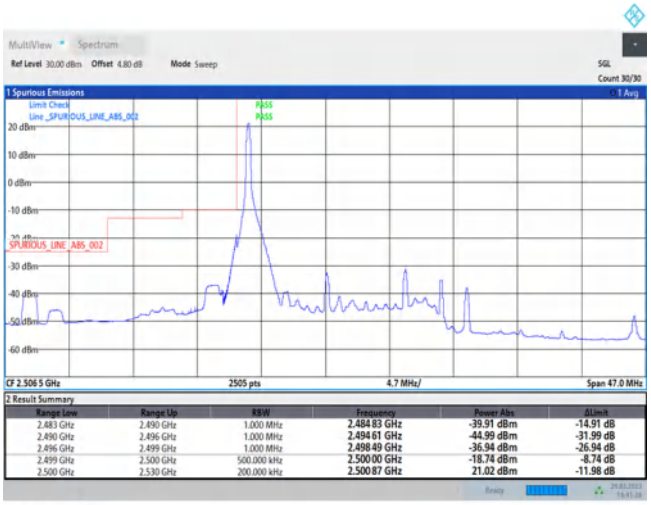
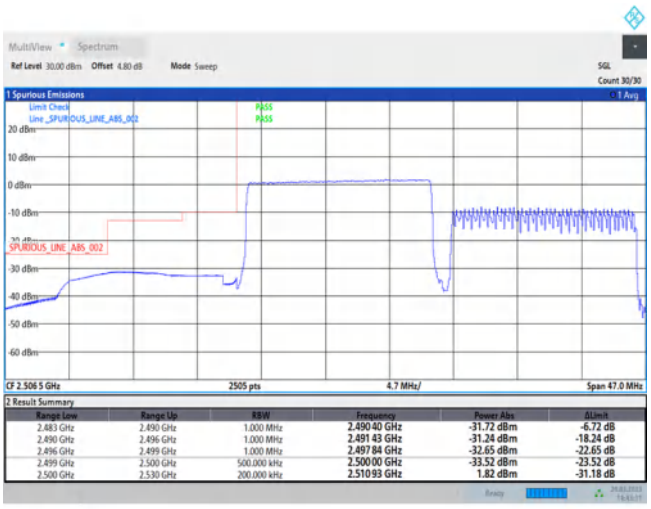
7-7-15MHz-15MHz-QPSK-QPSK-20825-20975-1RB#0-0RB#0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.483 GHz	2.490 GHz	1.000 MHz	2.484 83 GHz	-39.91 dBm	-14.91 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.494 61 GHz	-44.99 dBm	-31.99 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.498 49 GHz	-36.94 dBm	-26.94 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.500 00 GHz	-18.74 dBm	-8.74 dB
2.500 GHz	2.530 GHz	200.000 kHz	2.500 87 GHz	21.02 dBm	-11.98 dB

7-7-15MHz-15MHz-QPSK-QPSK-20825-20975-75RB#0-75RB#0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.483 GHz	2.490 GHz	1.000 MHz	2.490 40 GHz	-31.72 dBm	-6.72 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.491 43 GHz	-31.24 dBm	-18.24 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.497 84 GHz	-32.65 dBm	-22.65 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.500 00 GHz	-33.52 dBm	-23.52 dB
2.500 GHz	2.530 GHz	200.000 kHz	2.510 93 GHz	1.82 dBm	-31.18 dB

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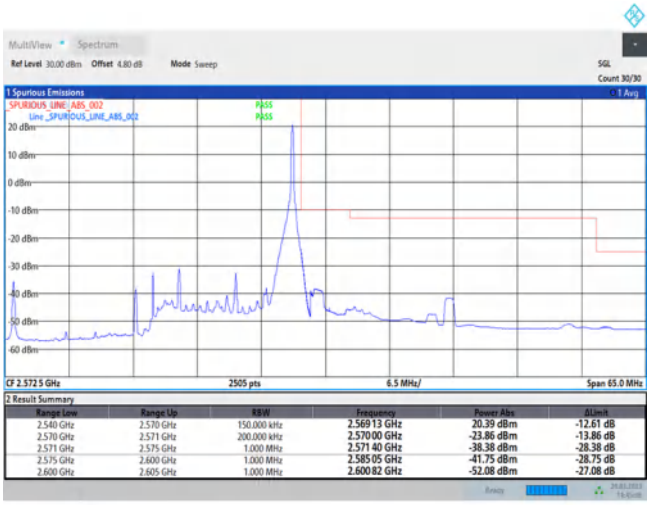
7-7-15MHz-15MHz-QPSK-QPSK-21225-21375-0RB#0-1RB#74



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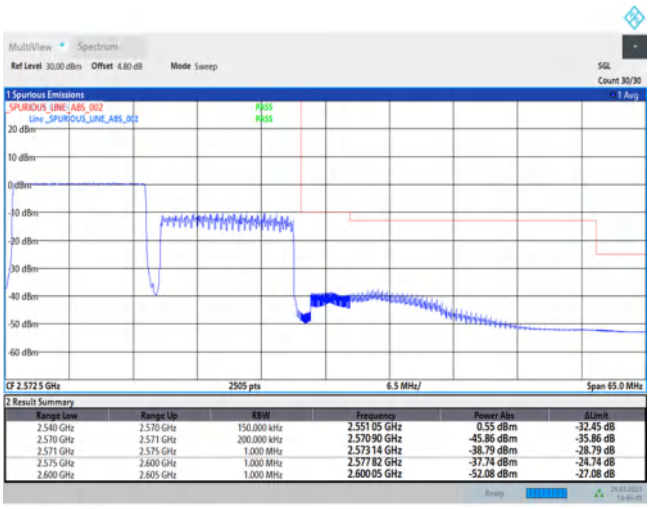

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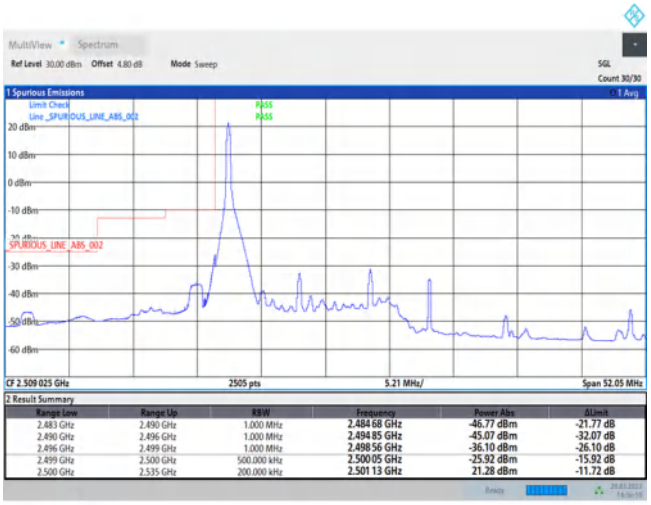
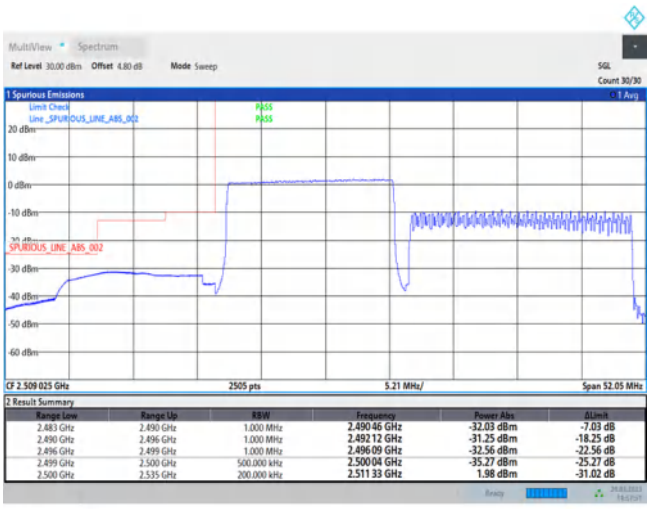


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.483 GHz	2.490 GHz	1.000 MHz	2.484 68 GHz	-46.77 dBm	-21.77 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.494 85 GHz	-45.07 dBm	-32.07 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.498 56 GHz	-36.10 dBm	-26.10 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.500 05 GHz	-25.92 dBm	-15.92 dB
2.500 GHz	2.535 GHz	200.000 kHz	2.501 13 GHz	21.28 dBm	-11.72 dB

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



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.483 GHz	2.490 GHz	1.000 MHz	2.490 46 GHz	-32.03 dBm	-7.03 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.492 12 GHz	-31.25 dBm	-18.25 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.496 09 GHz	-32.56 dBm	-22.56 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.500 04 GHz	-35.27 dBm	-25.27 dB
2.500 GHz	2.535 GHz	200.000 kHz	2.511 33 GHz	1.98 dBm	-31.02 dB

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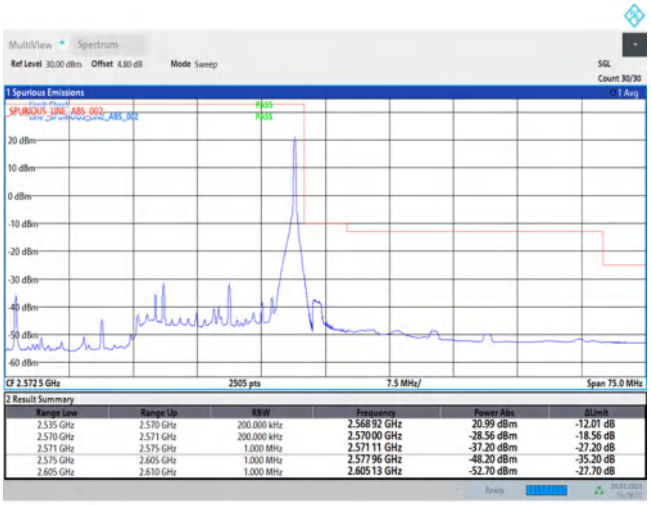
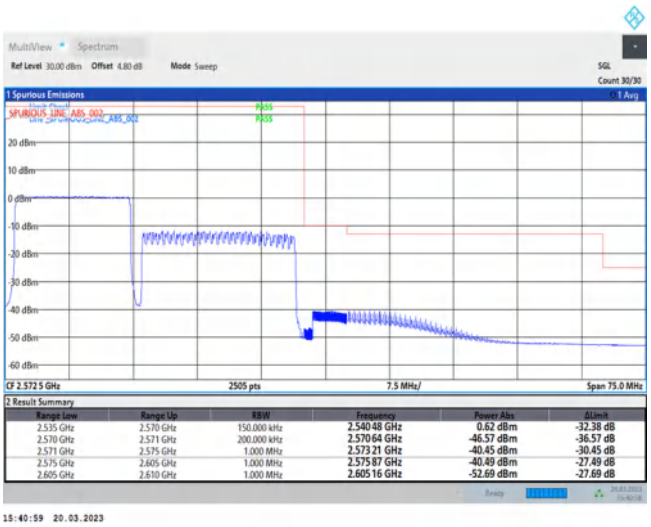
7-7-15MHz-20MHz-QPSK-QPSK-21179-21350-0RB#0-1RB#99



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



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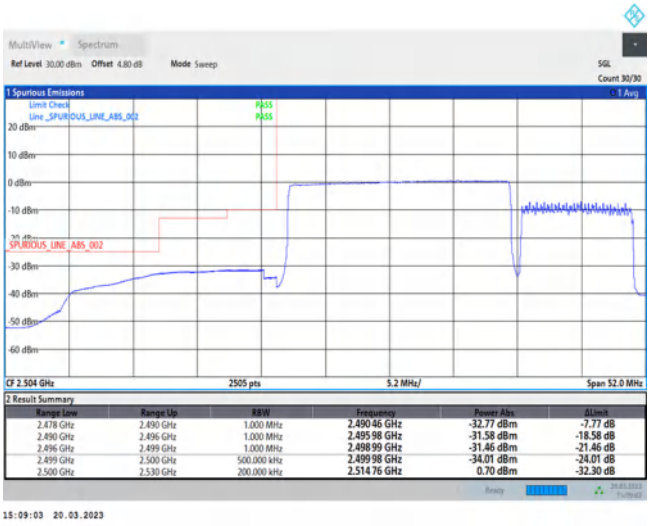
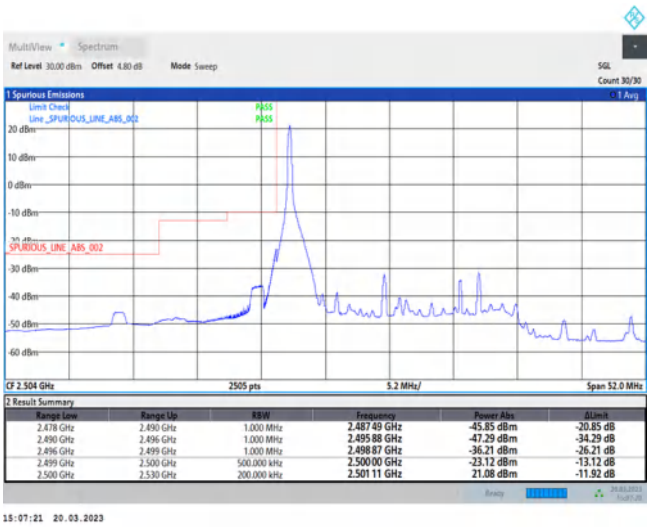
7-7-20MHz-10MHz-QPSK-QPSK-20850-20994-100RB#0-50RB#0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.478 GHz	2.490 GHz	1.000 MHz	2.490 46 GHz	-32.77 dBm	-7.77 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.495 98 GHz	-31.58 dBm	-18.58 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.498 99 GHz	-31.46 dBm	-21.46 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.499 98 GHz	-34.01 dBm	-24.01 dB
2.500 GHz	2.530 GHz	200.000 kHz	2.514 76 GHz	0.70 dBm	-32.30 dB

7-7-20MHz-10MHz-QPSK-QPSK-20850-20994-1RB#0-0RB#0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.478 GHz	2.490 GHz	1.000 MHz	2.487 49 GHz	-45.85 dBm	-20.85 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.495 88 GHz	-47.29 dBm	-34.29 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.498 87 GHz	-36.21 dBm	-26.21 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.500 00 GHz	-23.12 dBm	-13.12 dB
2.500 GHz	2.530 GHz	200.000 kHz	2.501 11 GHz	21.08 dBm	-11.92 dB

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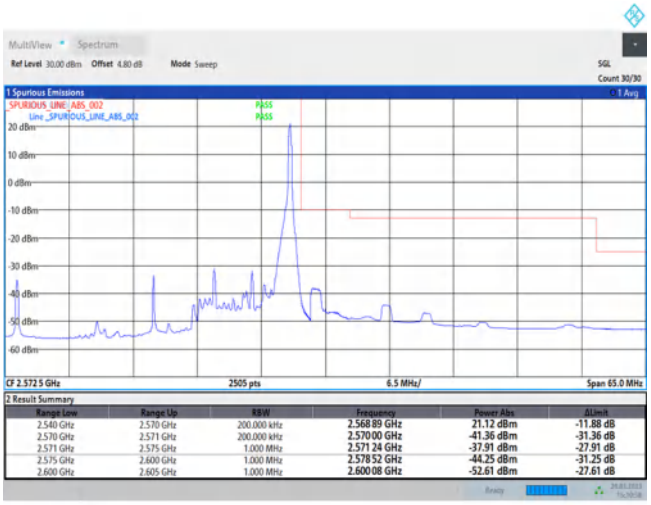
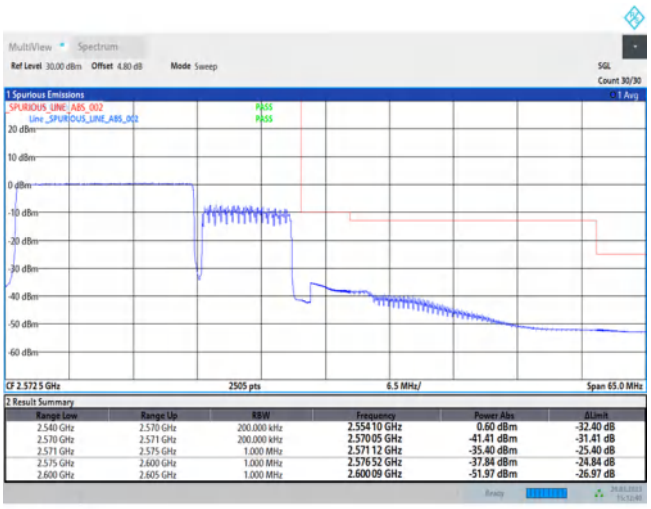
7-7-20MHz-10MHz-QPSK-QPSK-21251-21395-0RB#0-1RB#49



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.540 GHz	2.570 GHz	200.000 kHz	2.568 89 GHz	21.12 dBm	-11.88 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.570 00 GHz	-41.36 dBm	-31.36 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.571 24 GHz	-37.91 dBm	-27.91 dB
2.575 GHz	2.600 GHz	1.000 MHz	2.578 52 GHz	-44.25 dBm	-31.25 dB
2.600 GHz	2.605 GHz	1.000 MHz	2.600 08 GHz	-52.61 dBm	-27.61 dB

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



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.540 GHz	2.570 GHz	200.000 kHz	2.554 10 GHz	0.60 dBm	-32.40 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.570 05 GHz	-41.41 dBm	-31.41 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.571 12 GHz	-35.40 dBm	-25.40 dB
2.575 GHz	2.600 GHz	1.000 MHz	2.576 52 GHz	-37.84 dBm	-24.84 dB
2.600 GHz	2.605 GHz	1.000 MHz	2.600 09 GHz	-51.97 dBm	-26.97 dB

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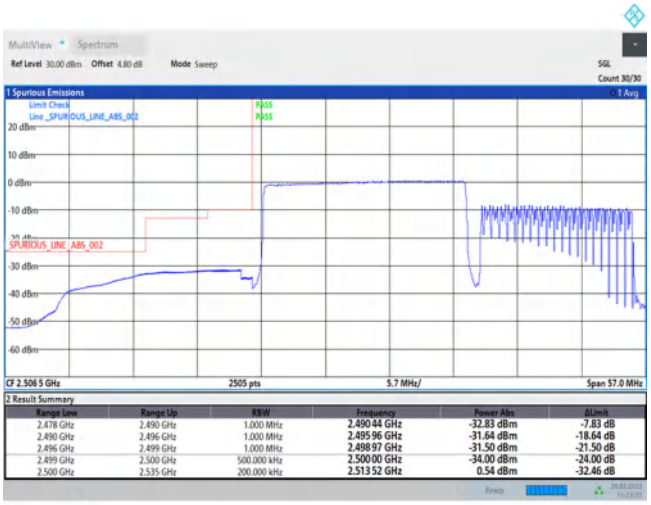
7-7-20MHz-15MHz-QPSK-QPSK-20850-21021-100RB#0-75RB#0



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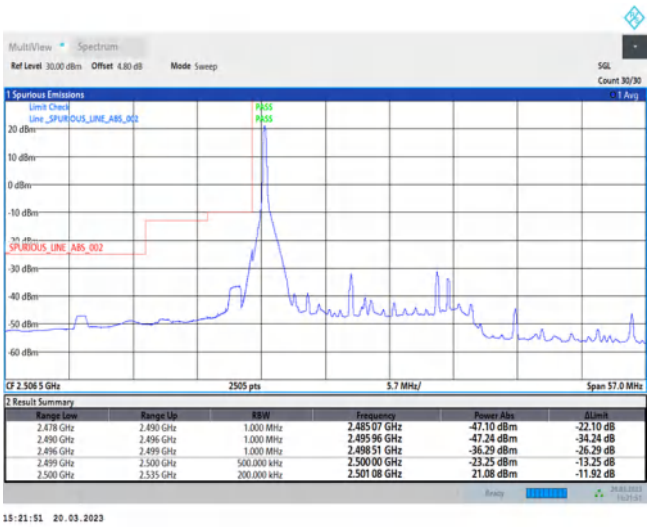

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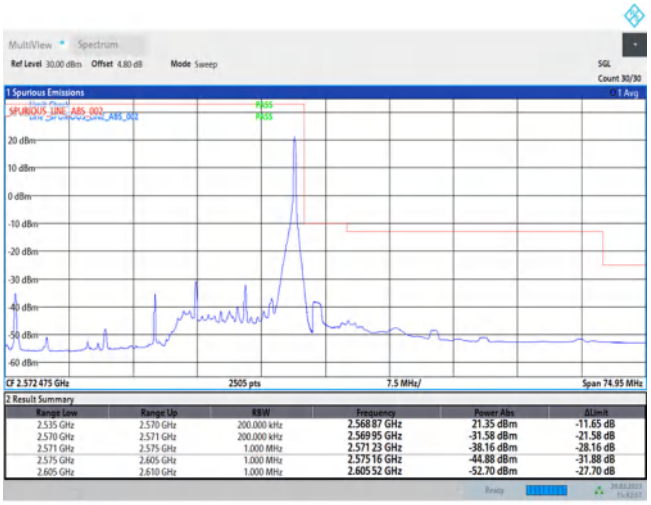
7-7-20MHz-15MHz-QPSK-QPSK-21201-21372-0RB#0-1RB#74



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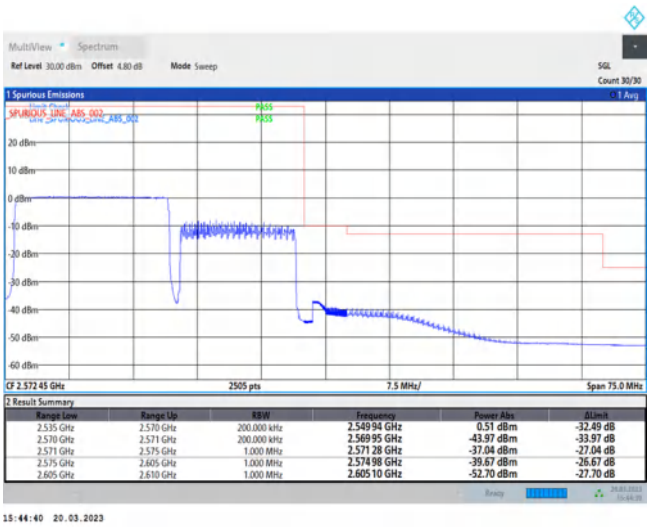

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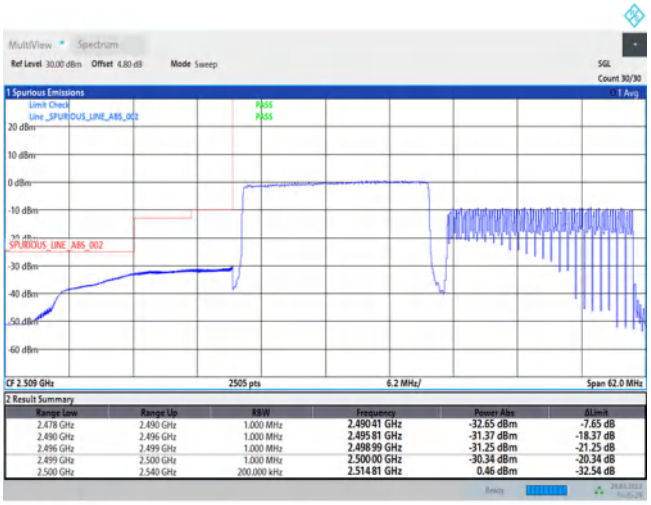

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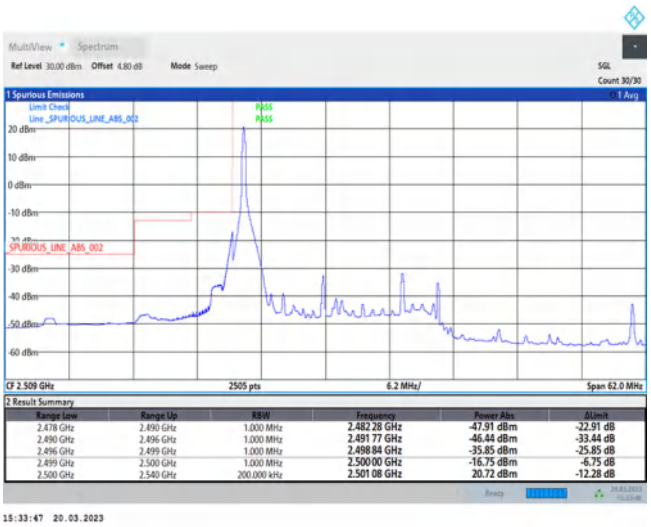

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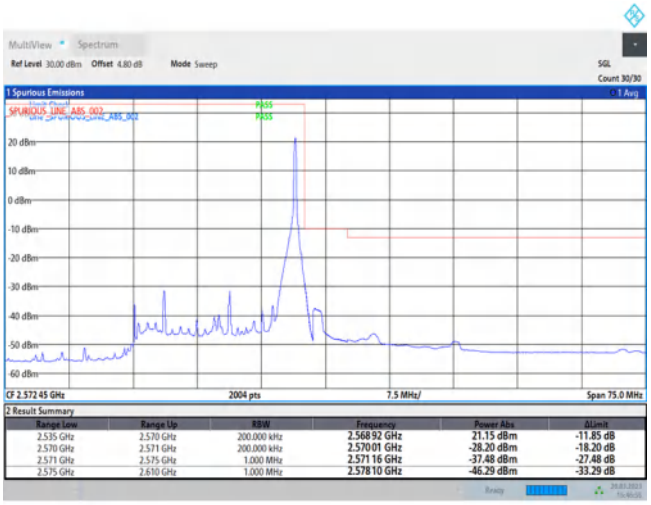
7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-0RB#0-1RB#99



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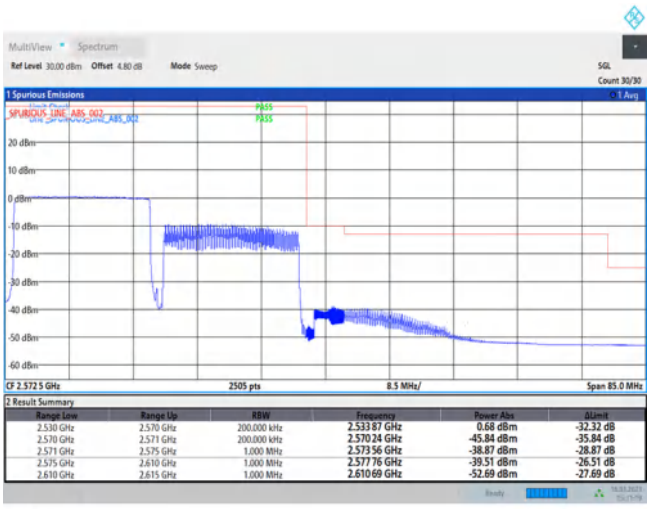

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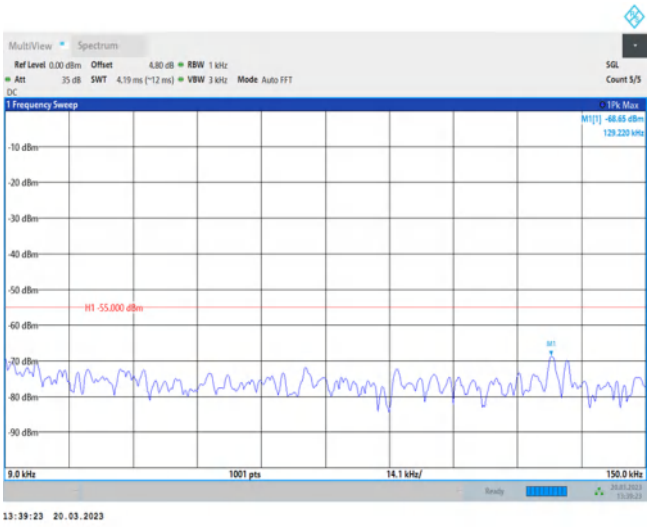
Conducted Spurious Emission

Test Graphs

7-7-20MHz-20MHz-QPSK-QPSK-20850-21048-1RB#0-0RB#0-0.009~0.15MHz



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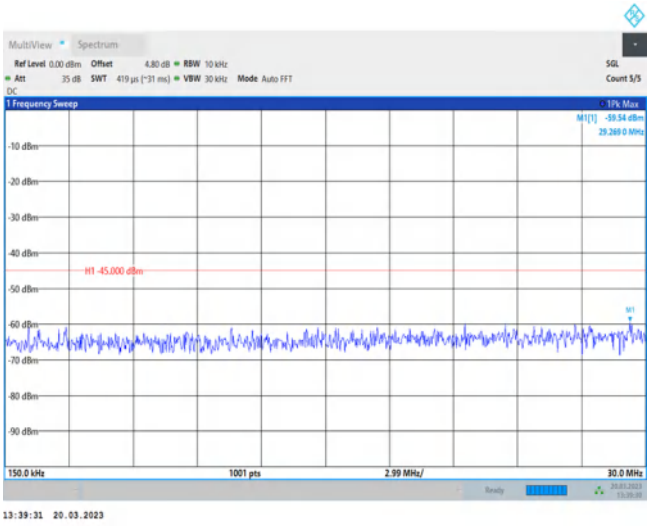

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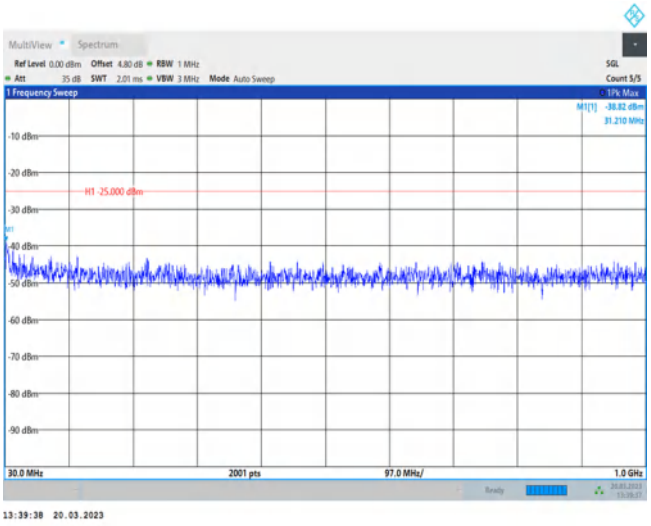
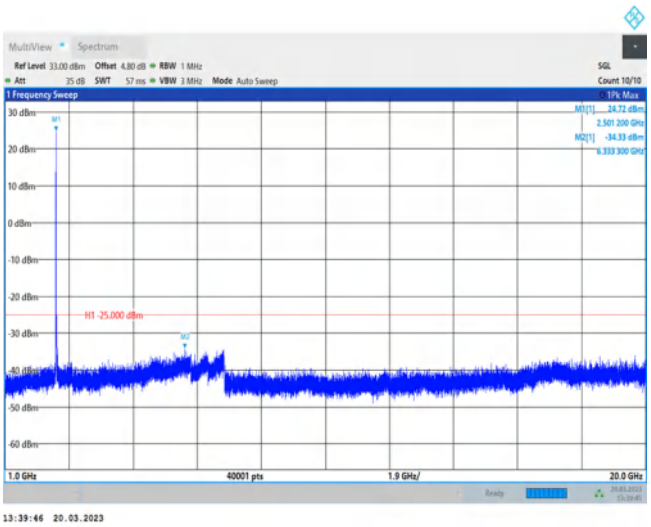


7-7-20MHz-20MHz-QPSK-QPSK-20850-21048-1RB#0-0RB#0-1000~20000MHz



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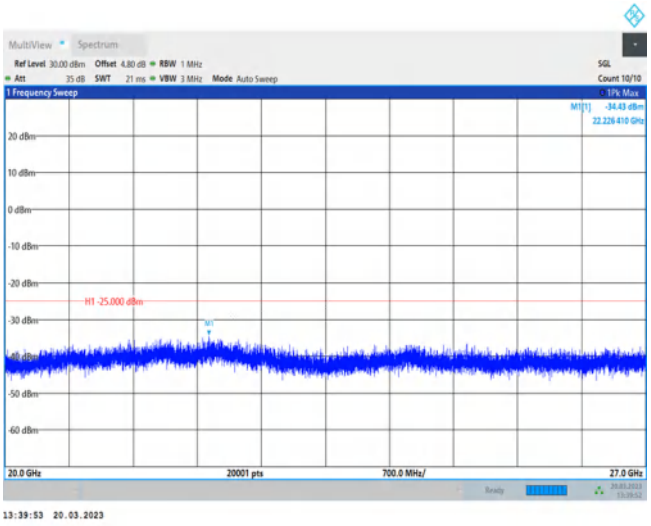
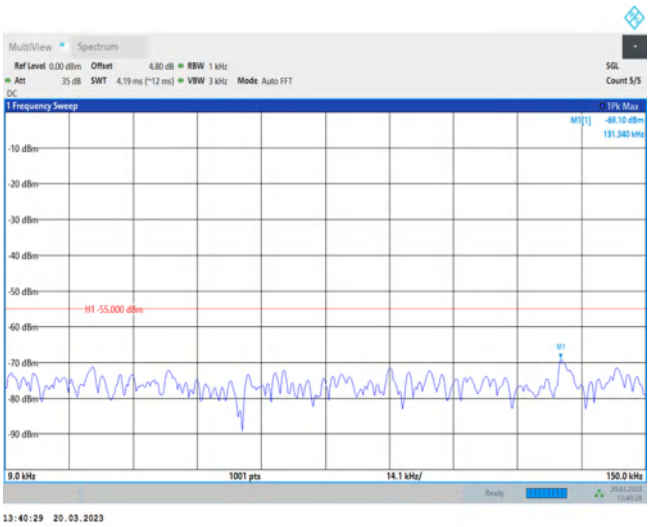
7-7-20MHz-20MHz-QPSK-QPSK-20850-21048-1RB#0-0RB#0-20000~27000MHz



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



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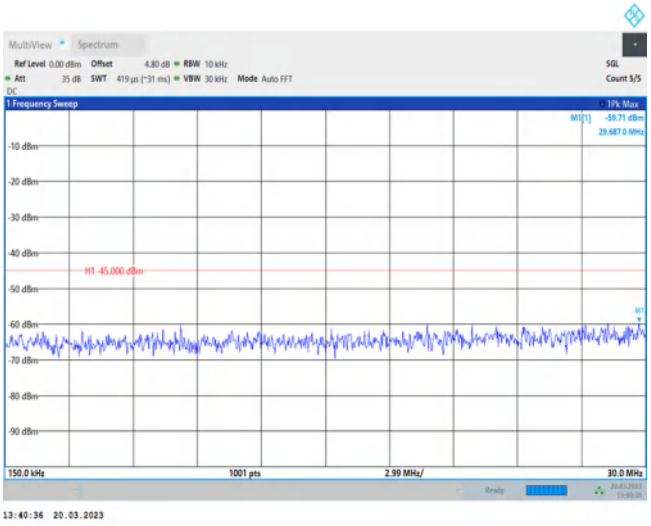
7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-1RB#0-0RB#0-0.15~30MHz



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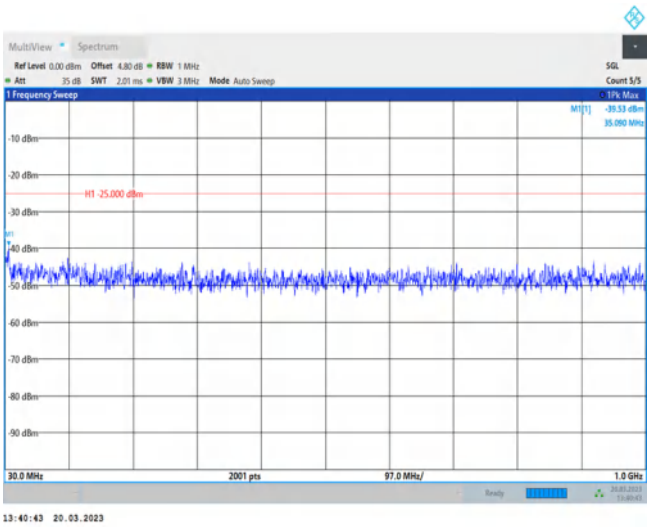

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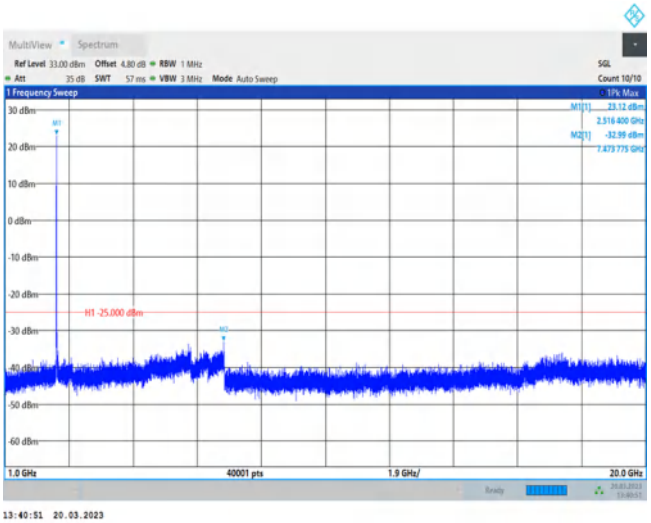
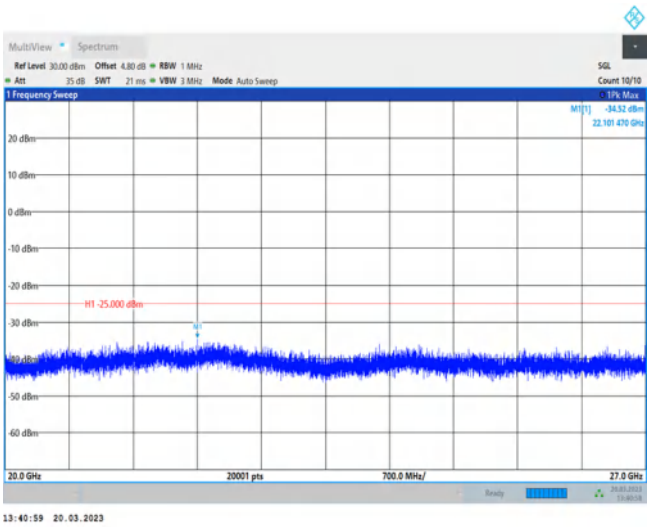
7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-1RB#0-0RB#0-1000~20000MHz



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



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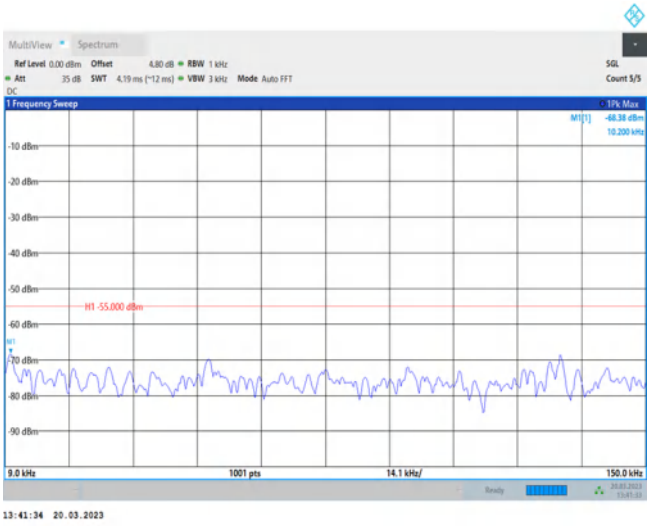
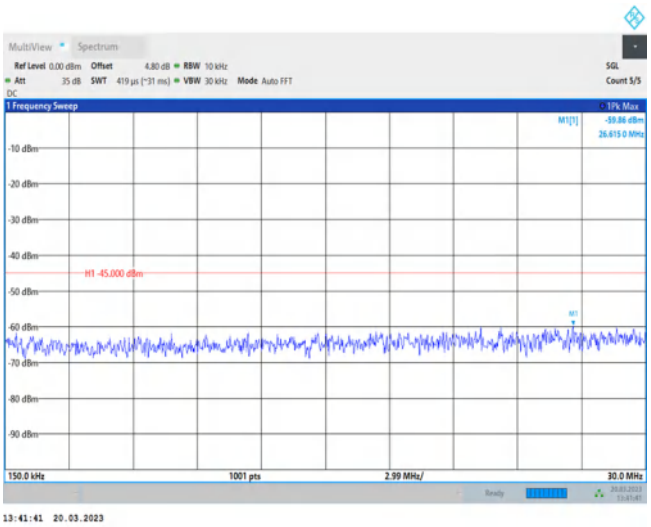
7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-1RB#0-0RB#0-0.009~0.15MHz



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



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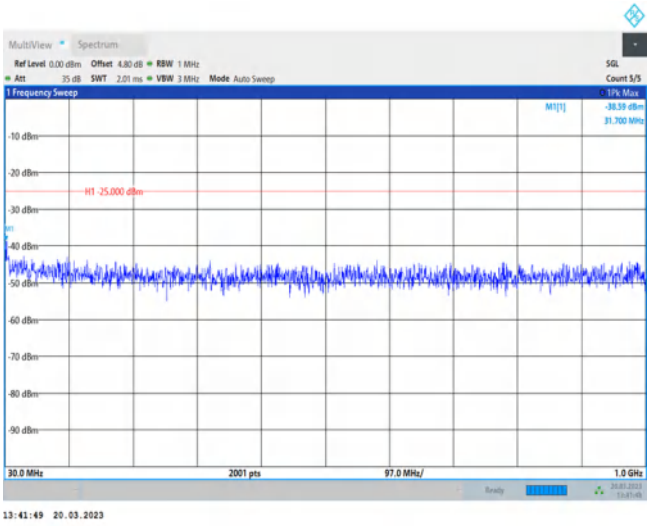
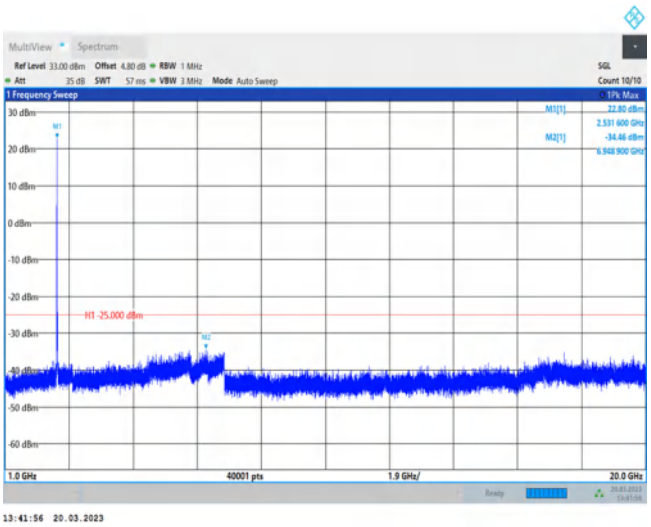
7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-1RB#0-0RB#0-30~1000MHz



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



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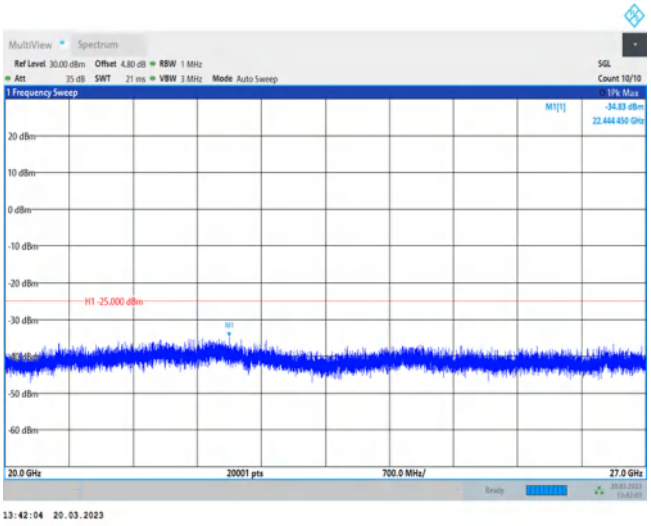

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Field Strength of Spurious Radiation

Test Band = LTE Band7C_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5010.75	49.05	-45.61	32.89	-58.94	-25.00	33.94	213	60	Horizontal
2	7516.5	56.99	-43.11	36.43	-44.94	-25.00	19.94	268	16	Horizontal
3	10022.25	39.75	-39.21	38.53	-56.20	-25.00	31.20	175	197	Horizontal
4	12505.4500	32.88	-36.99	39.18	-60.19	-25.00	35.19	169	317	Horizontal
5	15006.5400	30.04	-34.65	39.21	-60.66	-25.00	35.66	225	360	Horizontal
6	17507.6300	32.01	-34.95	39.22	-58.98	-25.00	33.98	182	4	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5010.75	52.57	-45.61	32.89	-55.42	-25.00	30.42	287	271	Vertical
2	7516.5	63.47	-43.11	36.43	-38.46	-25.00	13.46	132	120	Vertical
3	10022.25	47.50	-39.21	38.53	-48.45	-25.00	23.45	196	105	Vertical
4	12505.4500	32.31	-36.99	39.18	-60.76	-25.00	35.76	224	360	Vertical
5	15006.5400	29.97	-34.65	39.21	-60.73	-25.00	35.73	217	353	Vertical
6	17507.6300	32.22	-34.95	39.22	-58.77	-25.00	33.77	156	121	Vertical

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Member of the SGS Group (SGS SA)

Test Band = LTE Band7C_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5041.5	48.42	-45.53	32.90	-59.47	-25.00	34.47	228	60	Horizontal
2	7562.25	53.88	-43.01	36.41	-47.98	-25.00	22.98	164	16	Horizontal
3	10064.7600	34.83	-39.16	38.59	-61.00	-25.00	36.00	146	359	Horizontal
4	12580.9500	31.48	-37.49	39.26	-62.01	-25.00	37.01	218	269	Horizontal
5	15097.1400	29.95	-34.94	39.09	-61.16	-25.00	36.16	227	134	Horizontal
6	17613.3300	31.93	-33.34	39.62	-57.05	-25.00	32.05	149	343	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5041.5	54.49	-45.53	32.90	-53.40	-25.00	28.40	143	299	Vertical
2	7562.25	61.25	-43.01	36.41	-40.61	-25.00	15.61	297	88	Vertical
3	10083	43.48	-39.14	38.62	-52.30	-25.00	27.30	185	103	Vertical
4	12580.9500	31.59	-37.49	39.26	-61.90	-25.00	36.90	256	240	Vertical
5	15097.1400	29.96	-34.94	39.09	-61.15	-25.00	36.15	213	344	Vertical
6	17613.3300	31.34	-33.34	39.62	-57.64	-25.00	32.64	174	165	Vertical

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Test Band = LTE Band7C_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5071.5	50.11	-45.45	32.92	-57.68	-25.00	32.68	245	60	Horizontal
2	7607.25	54.00	-42.94	36.40	-47.80	-25.00	22.80	162	194	Horizontal
3	10143	37.18	-39.28	38.72	-58.64	-25.00	33.64	268	120	Horizontal
4	12656.4500	32.99	-37.08	39.38	-59.97	-25.00	34.97	183	3	Horizontal
5	15187.7400	30.19	-34.04	38.97	-60.15	-25.00	35.15	148	360	Horizontal
6	17719.0300	31.78	-34.15	40.30	-57.33	-25.00	32.33	220	118	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5071.5	56.02	-45.45	32.92	-51.77	-25.00	26.77	208	282	Vertical
2	7607.25	62.16	-42.94	36.40	-39.64	-25.00	14.64	214	121	Vertical
3	10143	46.34	-39.28	38.72	-49.48	-25.00	24.48	199	106	Vertical
4	12656.4500	31.92	-37.08	39.38	-61.04	-25.00	36.04	258	90	Vertical
5	15187.7400	30.32	-34.04	38.97	-60.02	-25.00	35.02	273	222	Vertical
6	17719.0300	31.71	-34.15	40.30	-57.40	-25.00	32.40	215	225	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 (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
7-7	20MHz-20MHz	QPSK -QPSK	21001-21199	100RB#0-100RB#0	VH	NT	47.60	0.018851	PASS
7-7	20MHz-20MHz	QPSK -QPSK	21001-21199	100RB#0-100RB#0	VL	NT	57.20	0.022653	PASS
7-7	20MHz-20MHz	QPSK -QPSK	21001-21199	100RB#0-100RB#0	VN	NT	50.00	0.019801	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
7-7	20MHz-20MHz	QPSK -QPSK	21001-21199	100RB#0-100RB#0	NV	-30	50.70	0.020078	PASS
7-7	20MHz-20MHz	QPSK -QPSK	21001-21199	100RB#0-100RB#0	NV	-20	49.60	0.019643	PASS
7-7	20MHz-20MHz	QPSK -QPSK	21001-21199	100RB#0-100RB#0	NV	-10	48.50	0.019207	PASS
7-7	20MHz-20MHz	QPSK -QPSK	21001-21199	100RB#0-100RB#0	NV	0	53.40	0.021148	PASS
7-7	20MHz-20MHz	QPSK -QPSK	21001-21199	100RB#0-100RB#0	NV	10	41.10	0.016277	PASS
7-7	20MHz-20MHz	QPSK -QPSK	21001-21199	100RB#0-100RB#0	NV	20	52.20	0.020672	PASS
7-7	20MHz-20MHz	QPSK -QPSK	21001-21199	100RB#0-100RB#0	NV	30	46.90	0.018574	PASS
7-7	20MHz-20MHz	QPSK -QPSK	21001-21199	100RB#0-100RB#0	NV	40	65.80	0.026058	PASS
7-7	20MHz-20MHz	QPSK -QPSK	21001-21199	100RB#0-100RB#0	NV	50	37.50	0.014851	PASS

---End of Attachment---

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