



Report No.: SEWM2209000168RG01

Rev.: 01

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# Appendix B.10

## LTE Band 7C



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## Effective (Isotropic) Radiated Power Output Data

### Test Result

#### ANT0:

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	22.09	22.74	33	PASS
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	50RB#0-100RB#0	20.93	21.58	33	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	1RB#0-0RB#0	21.98	22.63	33	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	20.9	21.55	33	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	1RB#0-0RB#0	21.96	22.61	33	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	50RB#0-100RB#0	20.76	21.41	33	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	1RB#0-0RB#0	21.38	22.03	33	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	19.98	20.63	33	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	1RB#0-0RB#0	21.38	22.03	33	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	19.9	20.55	33	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	1RB#0-0RB#0	21.21	21.86	33	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	50RB#0-100RB#0	19.77	20.42	33	PASS
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	1RB#0-0RB#0	20.5	21.15	33	PASS
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	50RB#0-100RB#0	19.93	20.58	33	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	1RB#0-0RB#0	20.41	21.06	33	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	50RB#0-100RB#0	19.9	20.55	33	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	1RB#0-0RB#0	20.38	21.03	33	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	50RB#0-100RB#0	19.84	20.49	33	PASS
7-7	10MHz-20MHz	256QAM-256QAM	20805-20949	1RB#0-0RB#0	17.41	18.06	33	PASS
7-7	10MHz-20MHz	256QAM-256QAM	20805-20949	50RB#0-100RB#0	17.97	18.62	33	PASS
7-7	10MHz-20MHz	256QAM-256QAM	21006-21150	1RB#0-0RB#0	17.38	18.03	33	PASS
7-7	10MHz-20MHz	256QAM-256QAM	21006-21150	50RB#0-100RB#0	17.88	18.53	33	PASS
7-7	10MHz-20MHz	256QAM-256QAM	21206-21350	1RB#0-0RB#0	17.27	17.92	33	PASS
7-7	10MHz-20MHz	256QAM-256QAM	21206-21350	50RB#0-100RB#0	17.78	18.43	33	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	1RB#0-0RB#0	22.03	22.68	33	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	75RB#0-50RB#0	21	21.65	33	PASS



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7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	1RB#0-0RB#0	21.93	22.58	33	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	20.81	21.46	33	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	1RB#0-0RB#0	21.9	22.55	33	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	75RB#0-50RB#0	20.78	21.43	33	PASS
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	1RB#0-0RB#0	21.29	21.94	33	PASS
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	75RB#0-50RB#0	19.98	20.63	33	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	1RB#0-0RB#0	21.2	21.85	33	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	75RB#0-50RB#0	19.83	20.48	33	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	1RB#0-0RB#0	21.2	21.85	33	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	75RB#0-50RB#0	19.75	20.4	33	PASS
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	1RB#0-0RB#0	20.3	20.95	33	PASS
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	75RB#0-50RB#0	19.91	20.56	33	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	1RB#0-0RB#0	20.26	20.91	33	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	75RB#0-50RB#0	19.85	20.5	33	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	1RB#0-0RB#0	20.24	20.89	33	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	75RB#0-50RB#0	19.75	20.4	33	PASS
7-7	15MHz-10MHz	256QAM-256QAM	20825-20945	1RB#0-0RB#0	17.41	18.06	33	PASS
7-7	15MHz-10MHz	256QAM-256QAM	20825-20945	75RB#0-50RB#0	17.97	18.62	33	PASS
7-7	15MHz-10MHz	256QAM-256QAM	21051-21171	1RB#0-0RB#0	17.36	18.01	33	PASS
7-7	15MHz-10MHz	256QAM-256QAM	21051-21171	75RB#0-50RB#0	17.84	18.49	33	PASS
7-7	15MHz-10MHz	256QAM-256QAM	21277-21397	1RB#0-0RB#0	17.33	17.98	33	PASS
7-7	15MHz-10MHz	256QAM-256QAM	21277-21397	75RB#0-50RB#0	17.81	18.46	33	PASS
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	1RB#0-0RB#0	22.07	22.72	33	PASS
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	75RB#0-75RB#0	20.95	21.6	33	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	1RB#0-0RB#0	21.98	22.63	33	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	75RB#0-75RB#0	20.87	21.52	33	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	1RB#0-0RB#0	21.88	22.53	33	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	75RB#0-75RB#0	20.76	21.41	33	PASS
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	1RB#0-0RB#0	21.29	21.94	33	PASS
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	75RB#0-75RB#0	19.95	20.6	33	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	1RB#0-0RB#0	21.21	21.86	33	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	75RB#0-75RB#0	19.86	20.51	33	PASS



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7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	1RB#0-0RB#0	21.14	21.79	33	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	75RB#0-75RB#0	19.74	20.39	33	PASS
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	1RB#0-0RB#0	20.26	20.91	33	PASS
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	75RB#0-75RB#0	19.95	20.6	33	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	1RB#0-0RB#0	20.22	20.87	33	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	75RB#0-75RB#0	19.85	20.5	33	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	1RB#0-0RB#0	20.18	20.83	33	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	75RB#0-75RB#0	19.76	20.41	33	PASS
7-7	15MHz-15MHz	256QAM-256QAM	20825-20975	1RB#0-0RB#0	17.39	18.04	33	PASS
7-7	15MHz-15MHz	256QAM-256QAM	20825-20975	75RB#0-75RB#0	17.93	18.58	33	PASS
7-7	15MHz-15MHz	256QAM-256QAM	21025-21175	1RB#0-0RB#0	17.3	17.95	33	PASS
7-7	15MHz-15MHz	256QAM-256QAM	21025-21175	75RB#0-75RB#0	17.82	18.47	33	PASS
7-7	15MHz-15MHz	256QAM-256QAM	21225-21375	1RB#0-0RB#0	17.21	17.86	33	PASS
7-7	15MHz-15MHz	256QAM-256QAM	21225-21375	75RB#0-75RB#0	17.82	18.47	33	PASS
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	1RB#0-0RB#0	22	22.65	33	PASS
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	75RB#0-100RB#0	20.92	21.57	33	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	1RB#0-0RB#0	21.98	22.63	33	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	75RB#0-100RB#0	20.85	21.5	33	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	1RB#0-0RB#0	21.9	22.55	33	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	75RB#0-100RB#0	20.8	21.45	33	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	1RB#0-0RB#0	21.31	21.96	33	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	75RB#0-100RB#0	19.97	20.62	33	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	1RB#0-0RB#0	21.23	21.88	33	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	75RB#0-100RB#0	19.85	20.5	33	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	1RB#0-0RB#0	21.26	21.91	33	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	75RB#0-100RB#0	19.8	20.45	33	PASS
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	1RB#0-0RB#0	20.35	21	33	PASS
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	75RB#0-100RB#0	20	20.65	33	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	1RB#0-0RB#0	20.44	21.09	33	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	75RB#0-100RB#0	19.92	20.57	33	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	1RB#0-0RB#0	20.36	21.01	33	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	75RB#0-100RB#0	19.79	20.44	33	PASS



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7-7	15MHz-20MHz	256QAM-256QAM	20828-20999	1RB#0-0RB#0	17.3	17.95	33	PASS
7-7	15MHz-20MHz	256QAM-256QAM	20828-20999	75RB#0-100RB#0	17.95	18.6	33	PASS
7-7	15MHz-20MHz	256QAM-256QAM	21003-21174	1RB#0-0RB#0	17.32	17.97	33	PASS
7-7	15MHz-20MHz	256QAM-256QAM	21003-21174	75RB#0-100RB#0	17.9	18.55	33	PASS
7-7	15MHz-20MHz	256QAM-256QAM	21179-21350	1RB#0-0RB#0	17.29	17.94	33	PASS
7-7	15MHz-20MHz	256QAM-256QAM	21179-21350	75RB#0-100RB#0	17.86	18.51	33	PASS
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	100RB#0-50RB#0	20.92	21.57	33	PASS
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	1RB#0-0RB#0	22.09	22.74	33	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	20.81	21.46	33	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	1RB#0-0RB#0	20.03	20.68	33	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	20.76	21.41	33	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	1RB#0-0RB#0	21.92	22.57	33	PASS
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	100RB#0-50RB#0	19.9	20.55	33	PASS
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	1RB#0-0RB#0	21.32	21.97	33	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	100RB#0-50RB#0	19.86	20.51	33	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	1RB#0-0RB#0	21.3	21.95	33	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	100RB#0-50RB#0	19.8	20.45	33	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	1RB#0-0RB#0	21.17	21.82	33	PASS
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	100RB#0-50RB#0	19.91	20.56	33	PASS
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	1RB#0-0RB#0	20.35	21	33	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	100RB#0-50RB#0	19.83	20.48	33	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	1RB#0-0RB#0	20.27	20.92	33	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	100RB#0-50RB#0	19.71	20.36	33	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	1RB#0-0RB#0	20.38	21.03	33	PASS
7-7	20MHz-10MHz	256QAM-256QAM	20850-20994	100RB#0-50RB#0	17.93	18.58	33	PASS
7-7	20MHz-10MHz	256QAM-256QAM	20850-20994	1RB#0-0RB#0	17.48	18.13	33	PASS
7-7	20MHz-10MHz	256QAM-256QAM	21051-21195	100RB#0-50RB#0	17.8	18.45	33	PASS
7-7	20MHz-10MHz	256QAM-256QAM	21051-21195	1RB#0-0RB#0	17.42	18.07	33	PASS
7-7	20MHz-10MHz	256QAM-256QAM	21251-21395	100RB#0-50RB#0	17.79	18.44	33	PASS
7-7	20MHz-10MHz	256QAM-256QAM	21251-21395	1RB#0-0RB#0	17.31	17.96	33	PASS
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	100RB#0-75RB#0	20.92	21.57	33	PASS
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	1RB#0-0RB#0	22	22.65	33	PASS



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7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	20.85	21.5	33	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	1RB#0-0RB#0	21.95	22.6	33	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	100RB#0-75RB#0	20.77	21.42	33	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	1RB#0-0RB#0	21.91	22.56	33	PASS
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	100RB#0-75RB#0	19.93	20.58	33	PASS
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	1RB#0-0RB#0	21.26	21.91	33	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	100RB#0-75RB#0	19.82	20.47	33	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	1RB#0-0RB#0	21.25	21.9	33	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	100RB#0-75RB#0	19.73	20.38	33	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	1RB#0-0RB#0	21.25	21.9	33	PASS
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	100RB#0-75RB#0	19.97	20.62	33	PASS
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	1RB#0-0RB#0	20.49	21.14	33	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	100RB#0-75RB#0	19.81	20.46	33	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	1RB#0-0RB#0	20.38	21.03	33	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	100RB#0-75RB#0	19.73	20.38	33	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	1RB#0-0RB#0	20.24	20.89	33	PASS
7-7	20MHz-15MHz	256QAM-256QAM	20850-21021	100RB#0-75RB#0	17.98	18.63	33	PASS
7-7	20MHz-15MHz	256QAM-256QAM	20850-21021	1RB#0-0RB#0	17.39	18.04	33	PASS
7-7	20MHz-15MHz	256QAM-256QAM	21026-21197	100RB#0-75RB#0	17.89	18.54	33	PASS
7-7	20MHz-15MHz	256QAM-256QAM	21026-21197	1RB#0-0RB#0	17.32	17.97	33	PASS
7-7	20MHz-15MHz	256QAM-256QAM	21201-21372	100RB#0-75RB#0	17.78	18.43	33	PASS
7-7	20MHz-15MHz	256QAM-256QAM	21201-21372	1RB#0-0RB#0	17.17	17.82	33	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	20.96	21.61	33	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	1RB#0-0RB#0	22.06	22.71	33	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	20.85	21.5	33	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	1RB#0-0RB#0	21.96	22.61	33	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	20.77	21.42	33	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	1RB#0-0RB#0	21.93	22.58	33	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	100RB#0-100RB#0	19.91	20.56	33	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	1RB#0-0RB#0	21.27	21.92	33	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	100RB#0-100RB#0	19.83	20.48	33	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	1RB#0-0RB#0	21.21	21.86	33	PASS



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Report No.: SEWM2209000168RG01

Rev.: 01

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7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	100RB#0-100RB#0	19.76	20.41	33	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	1RB#0-0RB#0	21.22	21.87	33	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	100RB#0-100RB#0	19.97	20.62	33	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	1RB#0-0RB#0	20.41	21.06	33	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	100RB#0-100RB#0	19.84	20.49	33	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	1RB#0-0RB#0	20.39	21.04	33	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	100RB#0-100RB#0	19.82	20.47	33	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	1RB#0-0RB#0	20.33	20.98	33	PASS
7-7	20MHz-20MHz	256QAM-256QAM	20850-21048	100RB#0-100RB#0	17.96	18.61	33	PASS
7-7	20MHz-20MHz	256QAM-256QAM	20850-21048	1RB#0-0RB#0	17.46	18.11	33	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21001-21199	100RB#0-100RB#0	17.9	18.55	33	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21001-21199	1RB#0-0RB#0	17.31	17.96	33	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21152-21350	100RB#0-100RB#0	17.86	18.51	33	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21152-21350	1RB#0-0RB#0	17.35	18	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	8.28	13	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	8.22	13	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	8.22	13	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	100RB#0-100RB#0	8.44	13	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	100RB#0-100RB#0	8.36	13	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	100RB#0-100RB#0	8.36	13	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	100RB#0-100RB#0	8.24	13	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	100RB#0-100RB#0	8.14	13	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	100RB#0-100RB#0	8.16	13	PASS
7-7	20MHz-20MHz	256QAM-256QAM	20850-21048	100RB#0-100RB#0	8.46	13	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21001-21199	100RB#0-100RB#0	8.40	13	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21152-21350	100RB#0-100RB#0	8.44	13	PASS



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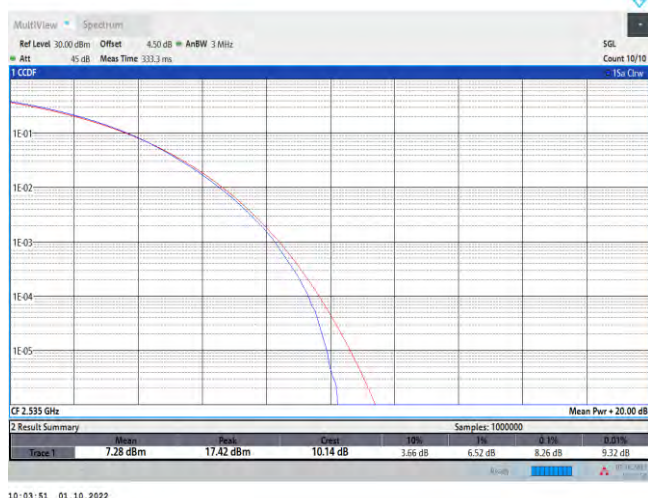
Test Graphs

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



13:58:26 01.10.2022

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



10:03:51 01.10.2022

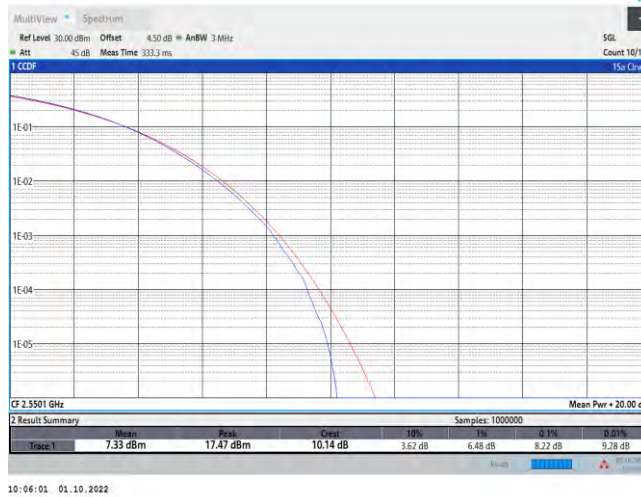


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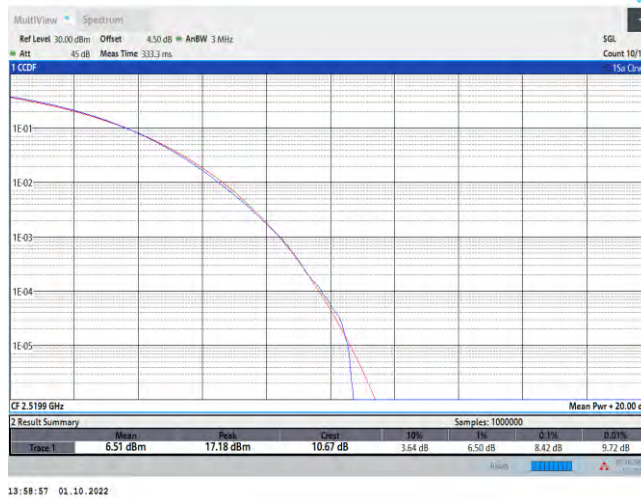
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7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-100RB#0-100RB#0



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

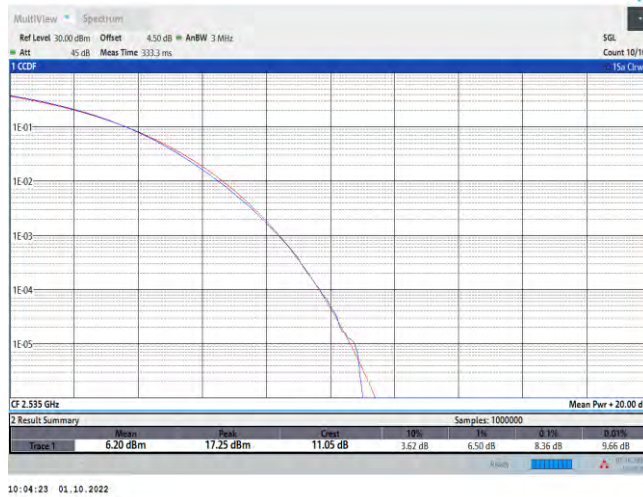


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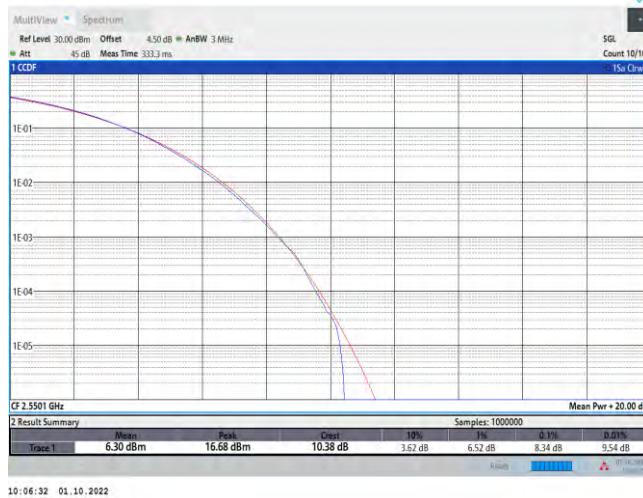
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7-7-20MHz-20MHz-16QAM-16QAM-21001-21199-100RB#0-100RB#0



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

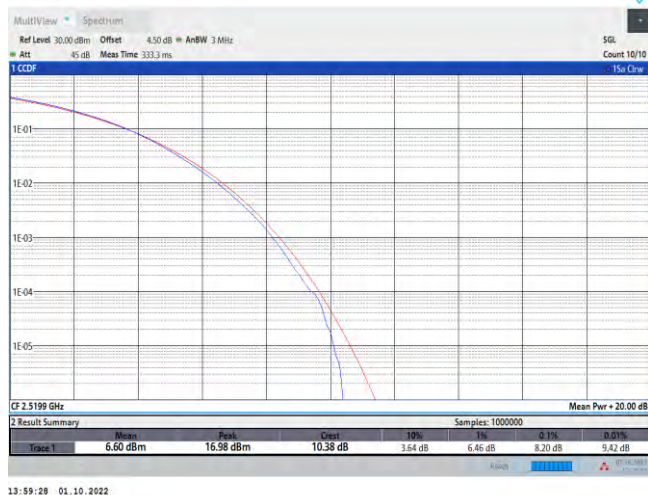


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7-7-20MHz-20MHz-64QAM-64QAM-20850-21048-100RB#0-100RB#0



13:59:28 01.10.2022

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



10:04:54 01.10.2022



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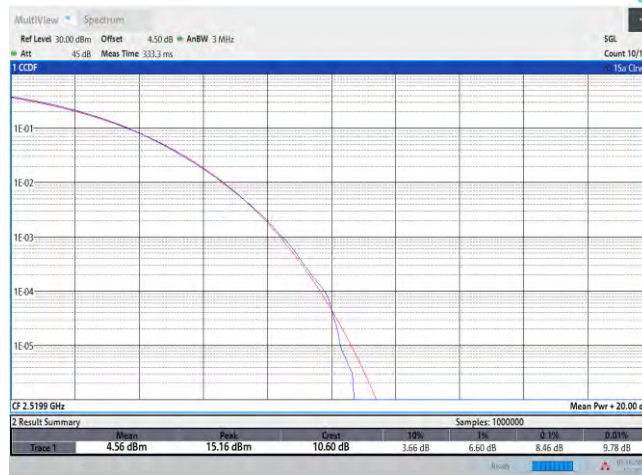


7-7-20MHz-20MHz-64QAM-64QAM-21152-21350-100RB#0-100RB#0



10:07:03 01.10.2022

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



13:59:59 01.10.2022



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



10:05:25 01.10.2022

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



10:07:34 01.10.2022



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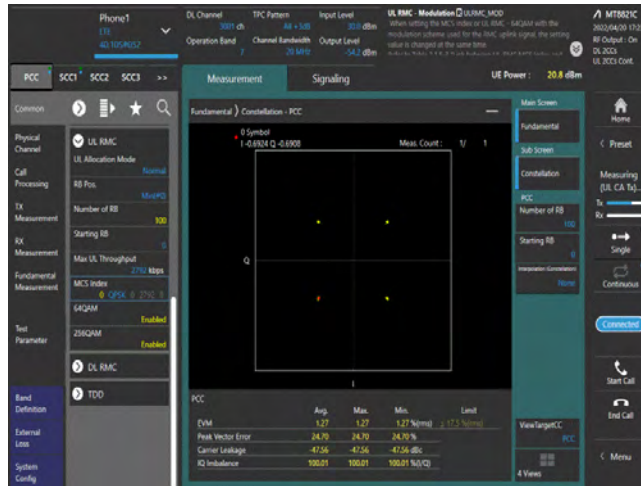
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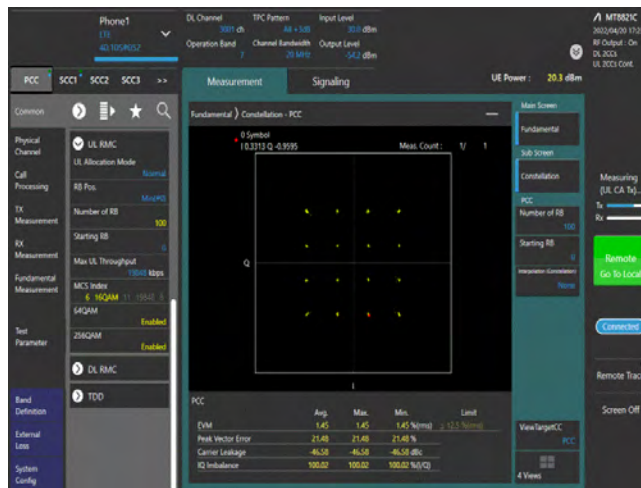
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7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-100RB#0-100RB#0



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

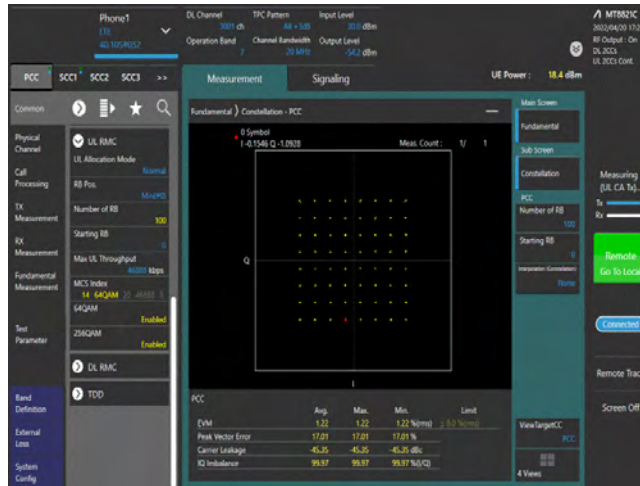


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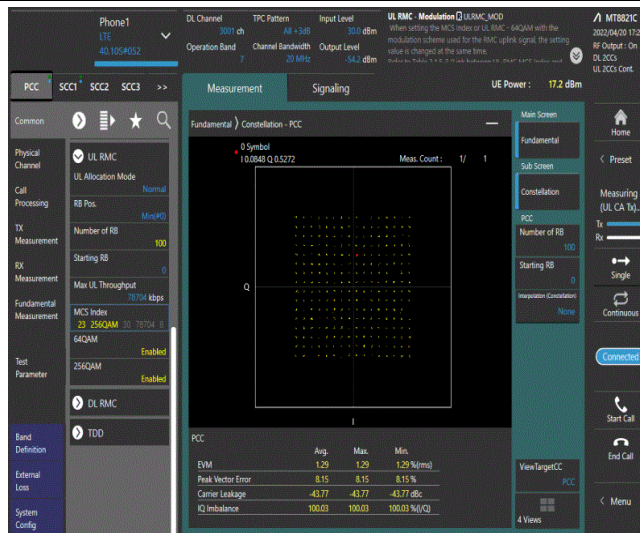
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7-7-20MHz-20MHz-64QAM-64QAM-21001-21199-100RB#0-100RB#0



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	27.658	29.22	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	27.67	29.10	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	50RB#0-100RB#0	27.656	29.16	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	27.701	29.16	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	27.702	29.16	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	50RB#0-100RB#0	27.713	29.34	PASS
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	50RB#0-100RB#0	27.625	29.22	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	50RB#0-100RB#0	27.638	29.04	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	50RB#0-100RB#0	27.616	29.16	PASS
7-7	10MHz-20MHz	256QAM-256QAM	20805-20949	50RB#0-100RB#0	27.654	29.16	PASS
7-7	10MHz-20MHz	256QAM-256QAM	21006-21150	50RB#0-100RB#0	27.646	29.10	PASS
7-7	10MHz-20MHz	256QAM-256QAM	21206-21350	50RB#0-100RB#0	27.646	29.16	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	75RB#0-50RB#0	23.106	24.70	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	23.169	24.65	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	75RB#0-50RB#0	23.18	24.75	PASS
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	75RB#0-50RB#0	23.122	24.55	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	75RB#0-50RB#0	23.119	24.60	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	75RB#0-50RB#0	23.11	24.65	PASS
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	75RB#0-50RB#0	23.091	24.65	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	75RB#0-50RB#0	23.122	24.70	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	75RB#0-50RB#0	23.105	24.65	PASS
7-7	15MHz-10MHz	256QAM-256QAM	20825-20945	75RB#0-50RB#0	23.098	24.65	PASS
7-7	15MHz-10MHz	256QAM-256QAM	21051-21171	75RB#0-50RB#0	23.097	24.65	PASS
7-7	15MHz-10MHz	256QAM-256QAM	21277-21397	75RB#0-50RB#0	23.104	24.65	PASS
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	75RB#0-75RB#0	28.268	29.94	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	75RB#0-75RB#0	28.304	30.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	75RB#0-75RB#0	28.286	29.94	PASS
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	75RB#0-75RB#0	28.256	29.88	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	75RB#0-75RB#0	28.285	29.94	PASS



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Table with 8 columns: Frequency, Modulation, Standard, ID, Reference, Value 1, Value 2, Result. Contains 48 rows of test data.



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7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	100RB#0-75RB#0	32.537	34.37	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	100RB#0-75RB#0	32.519	34.44	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	100RB#0-75RB#0	32.459	34.51	PASS
7-7	20MHz-15MHz	256QAM-256QAM	20850-21021	100RB#0-75RB#0	32.549	34.37	PASS
7-7	20MHz-15MHz	256QAM-256QAM	21026-21197	100RB#0-75RB#0	32.595	34.30	PASS
7-7	20MHz-15MHz	256QAM-256QAM	21201-21372	100RB#0-75RB#0	32.56	34.30	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	37.668	40.24	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	37.689	40.32	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	37.688	40.32	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	100RB#0-100RB#0	37.704	40.24	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	100RB#0-100RB#0	37.726	40.16	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	100RB#0-100RB#0	37.741	40.16	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	100RB#0-100RB#0	37.62	40.08	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	100RB#0-100RB#0	37.679	40.16	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	100RB#0-100RB#0	37.629	40.24	PASS
7-7	20MHz-20MHz	256QAM-256QAM	20850-21048	100RB#0-100RB#0	37.654	40.08	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21001-21199	100RB#0-100RB#0	37.669	40.16	PASS
7-7	20MHz-20MHz	256QAM-256QAM	21152-21350	100RB#0-100RB#0	37.722	40.24	PASS



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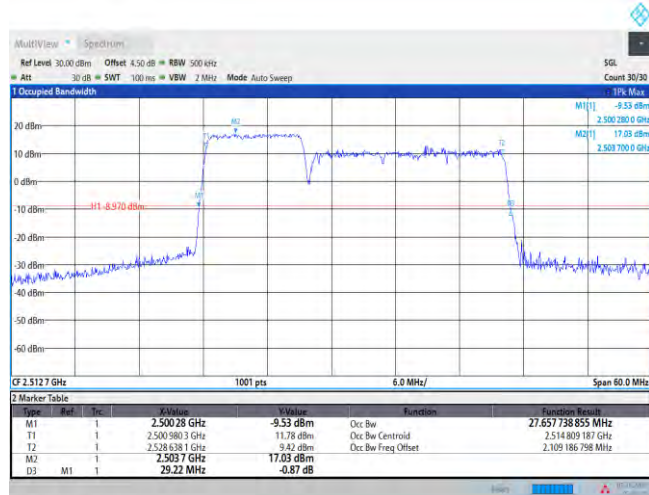
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Test Graphs

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



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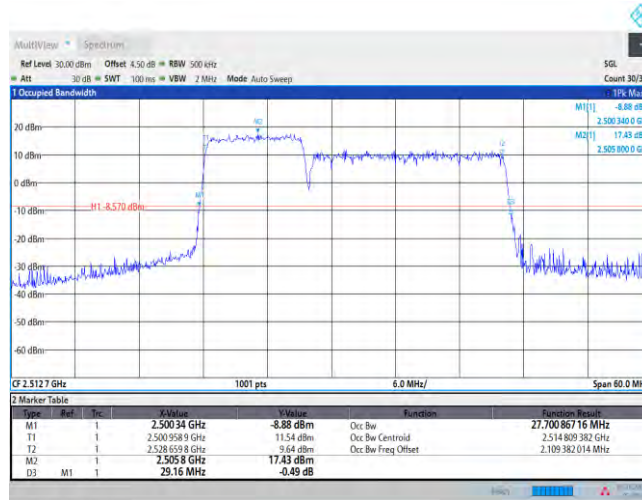
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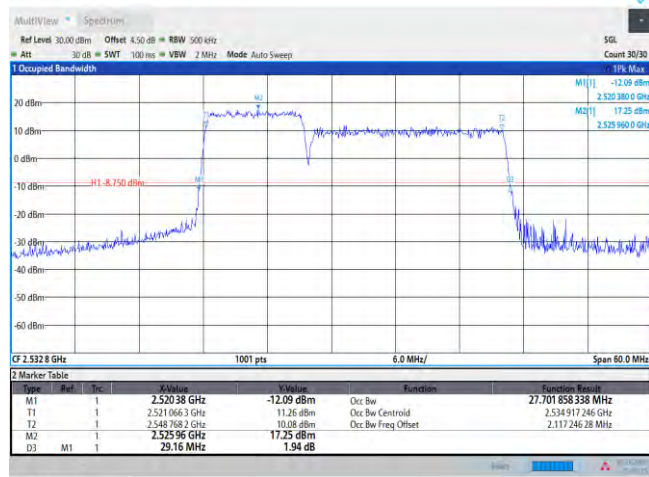


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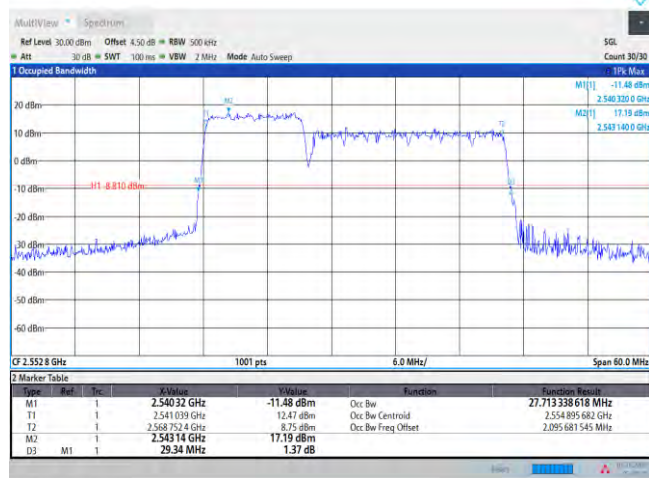
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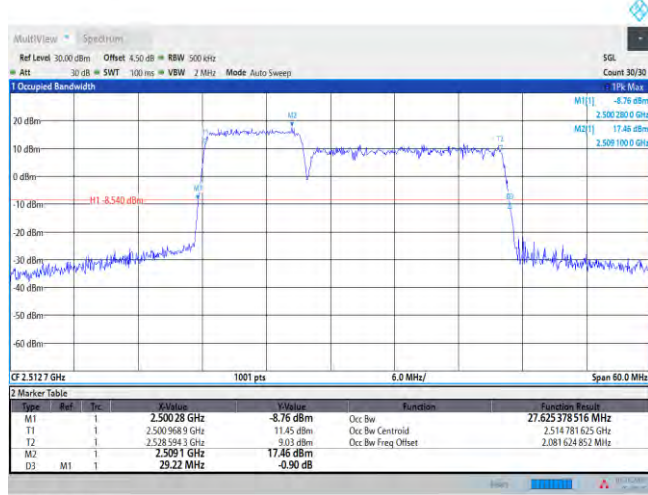
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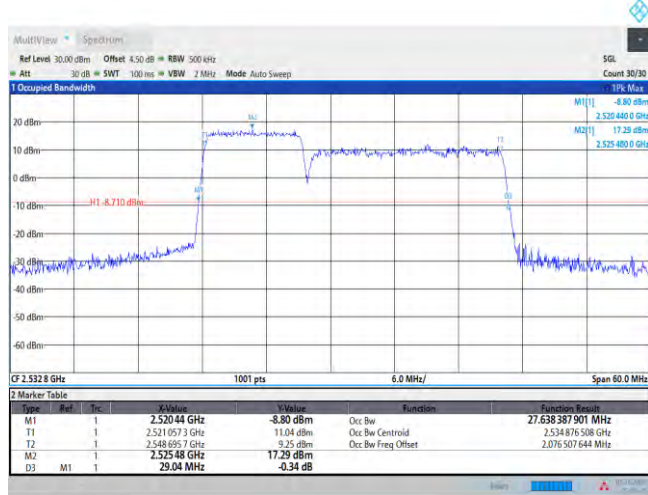
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7-7-10MHz-20MHz-64QAM-64QAM-20805-20949-50RB#0-100RB#0



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

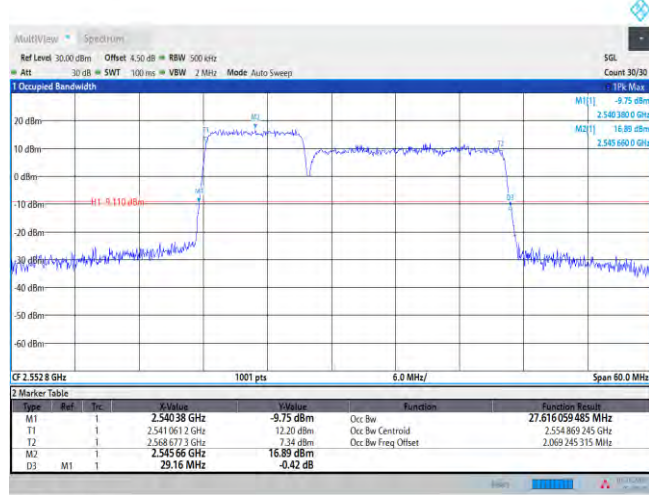


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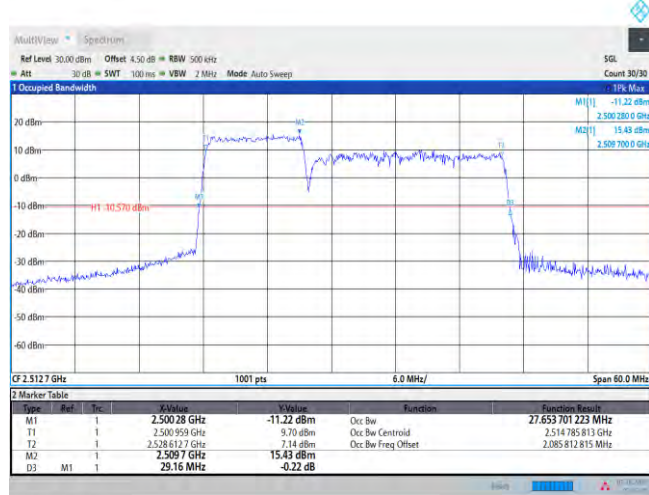
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7-7-10MHz-20MHz-64QAM-64QAM-21206-21350-50RB#0-100RB#0



07:49:00 01.10.2022

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



07:45:08 01.10.2022



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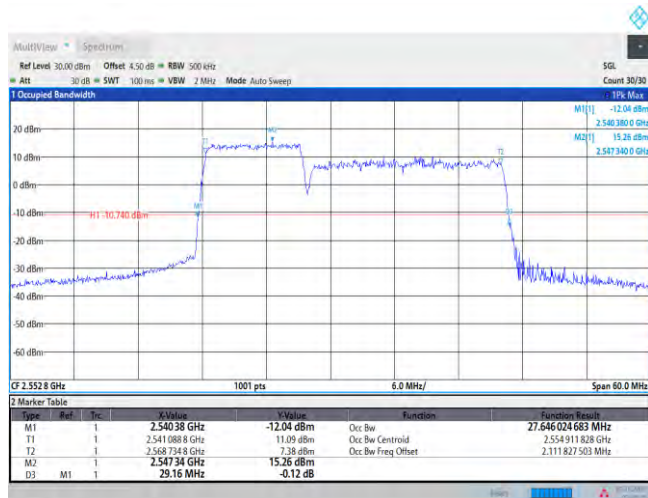
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7-7-10MHz-20MHz-256QAM-256QAM-21006-21150-50RB#0-100RB#0



07:47:20 01.10.2022

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07:49:32 01.10.2022

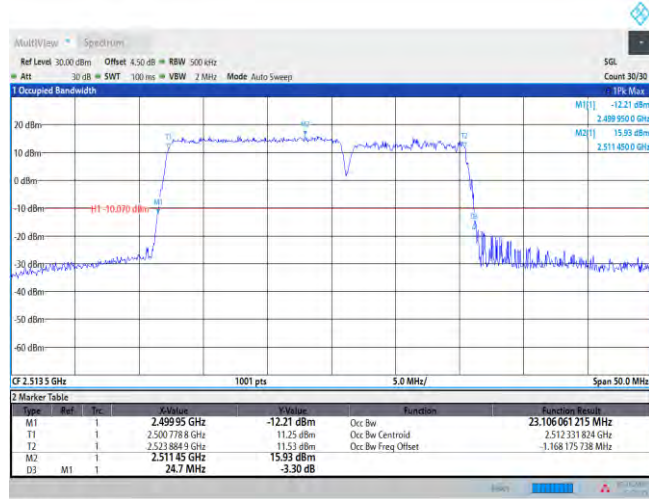


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7-7-15MHz-10MHz-QPSK-QPSK-20825-20945-75RB#0-50RB#0



13:32:34 01.10.2022

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



13:34:56 01.10.2022



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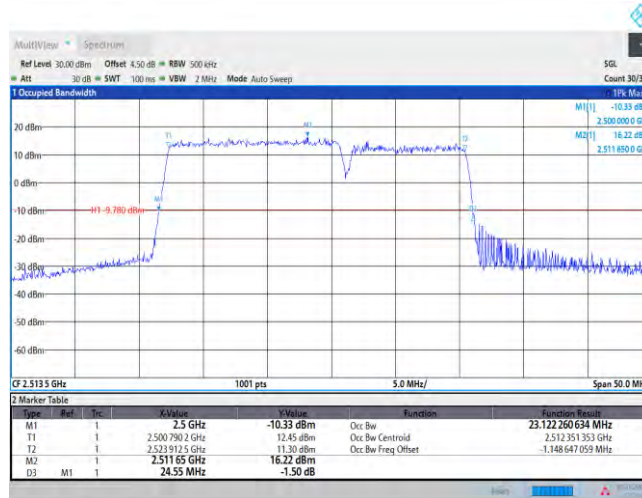
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7-7-15MHz-10MHz-QPSK-QPSK-21277-21397-75RB#0-50RB#0



13:37:07 01.10.2022

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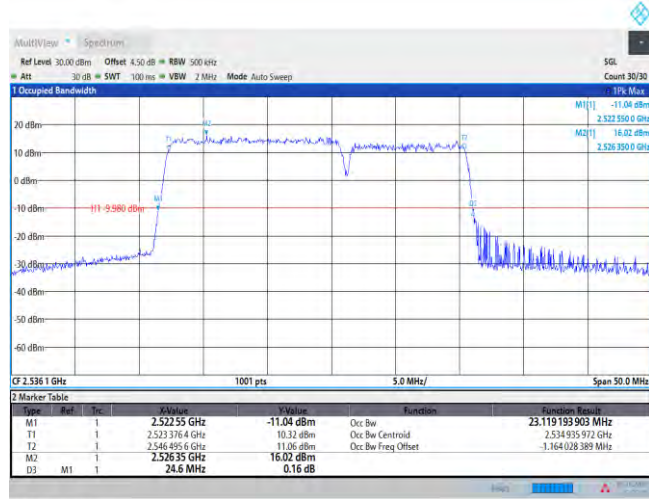
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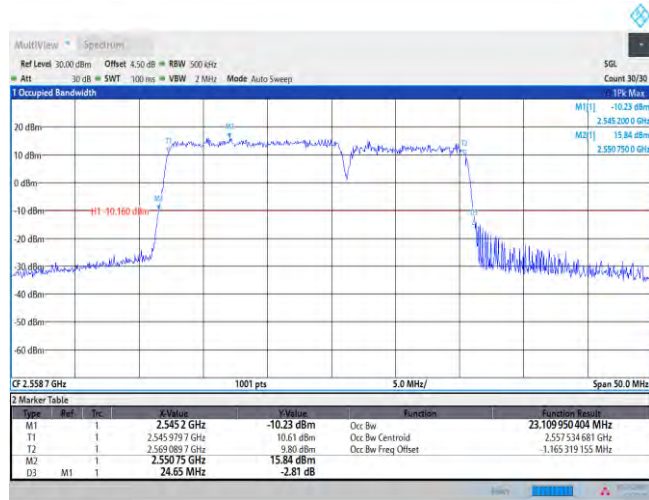
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7-7-15MHz-10MHz-16QAM-16QAM-21051-21171-75RB#0-50RB#0



13:35:27 01.10.2022

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13:37:39 01.10.2022

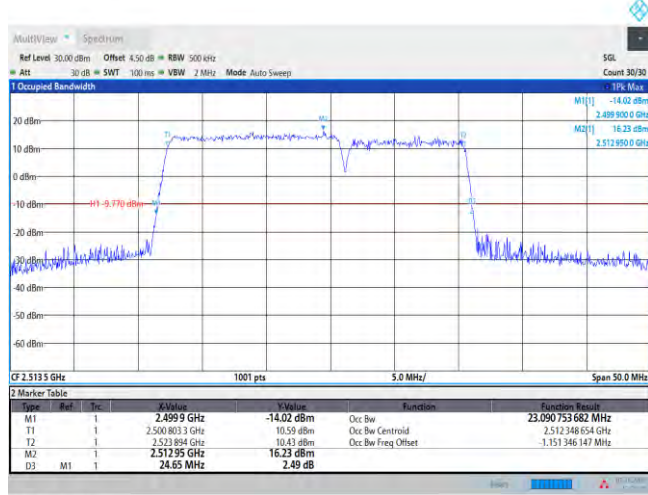


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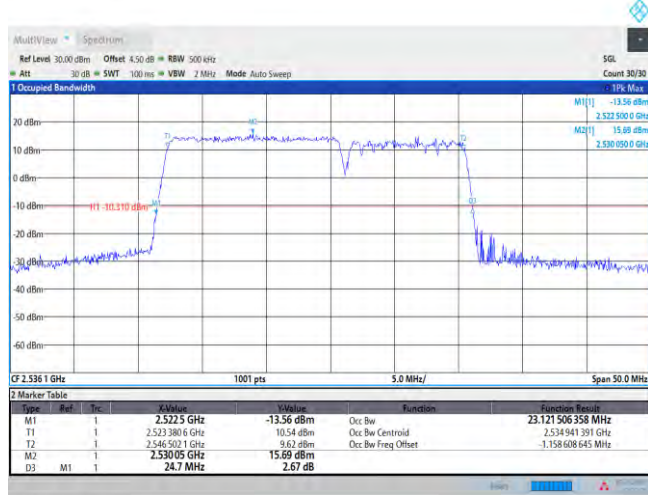


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13:33:37 01.10.2022

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



13:35:59 01.10.2022



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



13:38:11 01.10.2022

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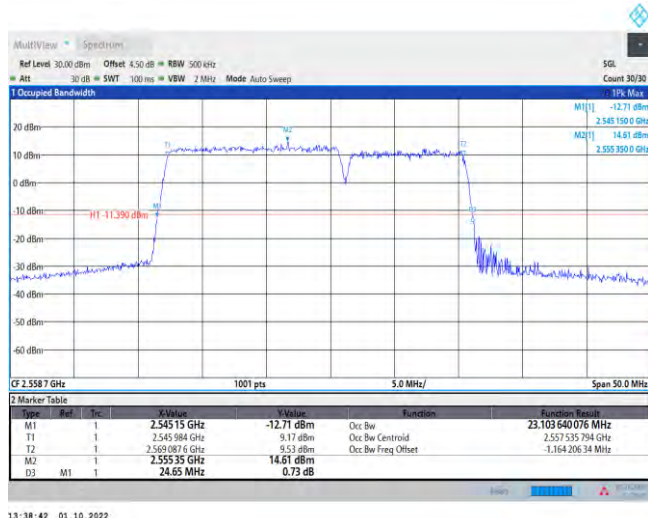
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7-7-15MHz-10MHz-256QAM-256QAM-21277-21397-75RB#0-50RB#0



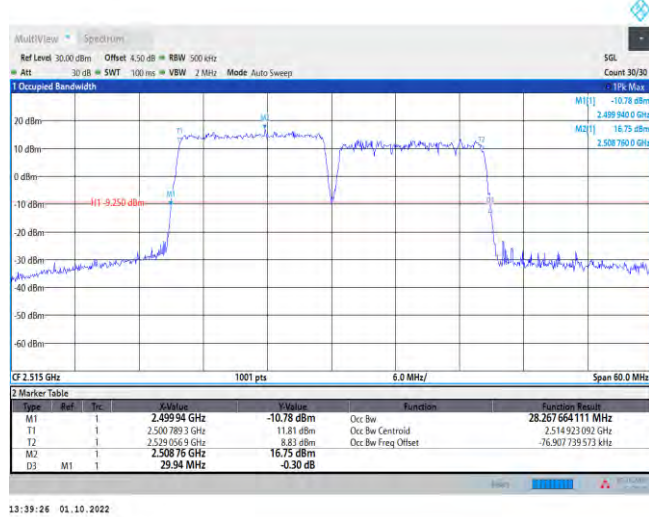
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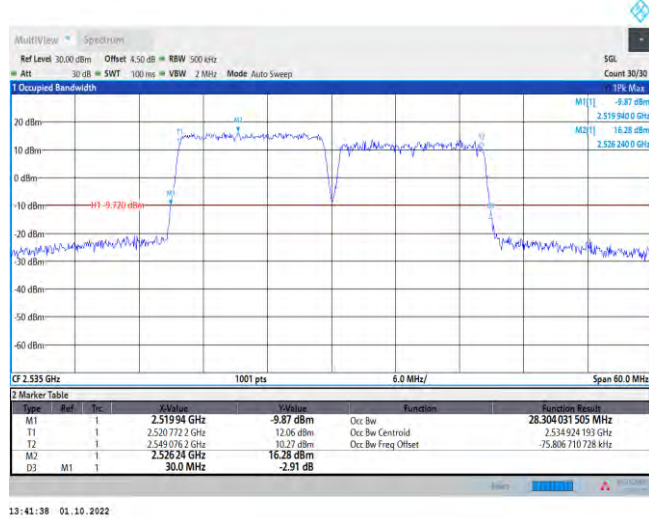
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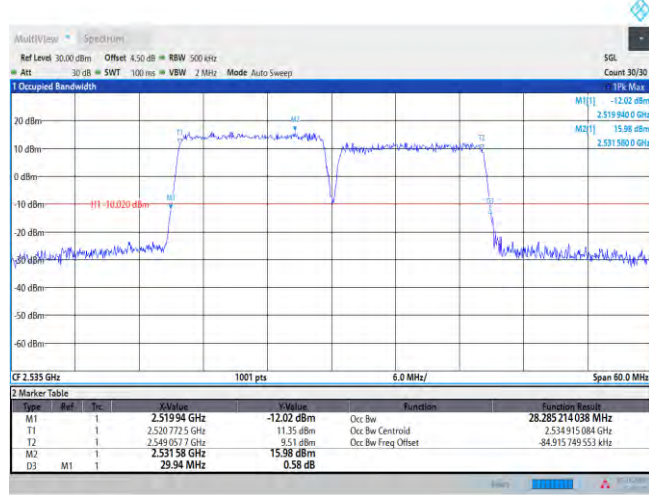


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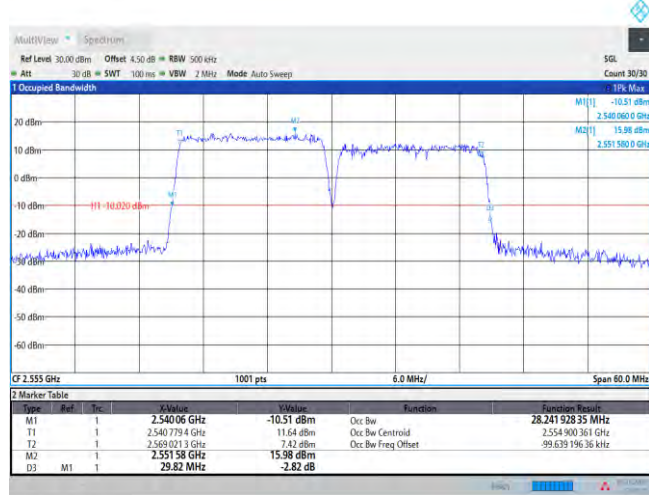


7-7-15MHz-15MHz-16QAM-16QAM-21025-21175-75RB#0-75RB#0



13:42:09 01.10.2022

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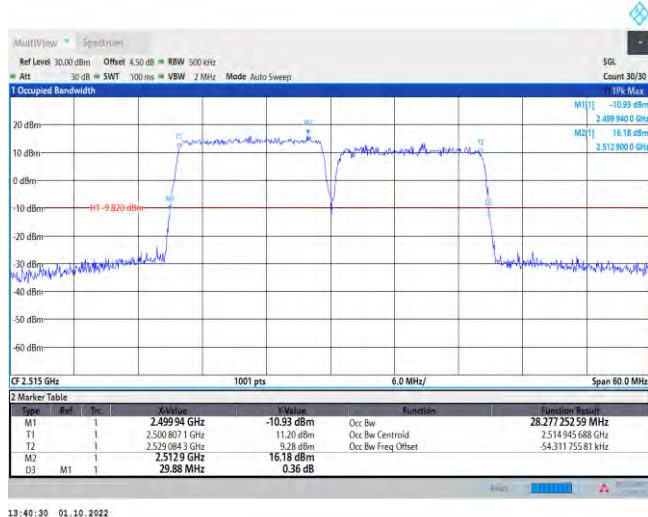


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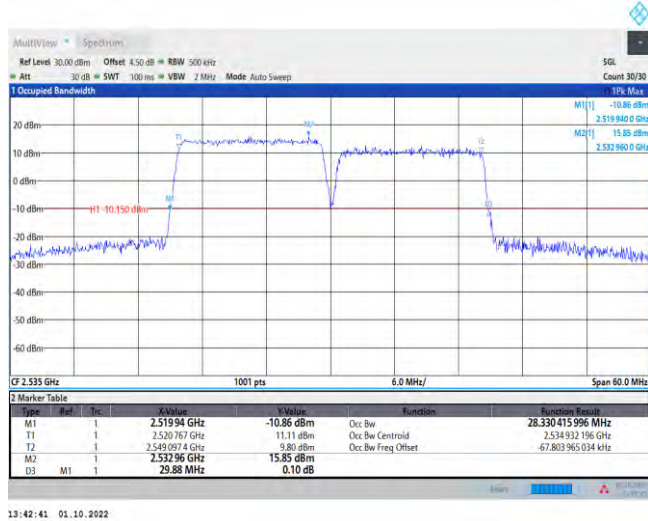
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7-7-15MHz-15MHz-64QAM-64QAM-21225-21375-75RB#0-75RB#0



13:45:02 01.10.2022

7-7-15MHz-15MHz-256QAM-256QAM-20825-20975-75RB#0-75RB#0



13:41:01 01.10.2022



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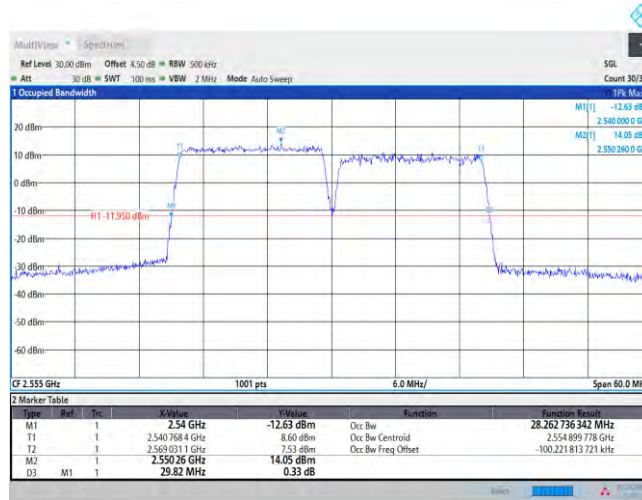
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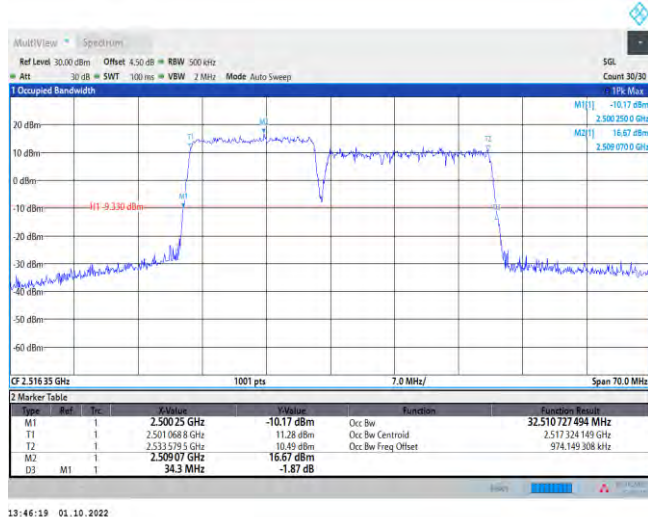


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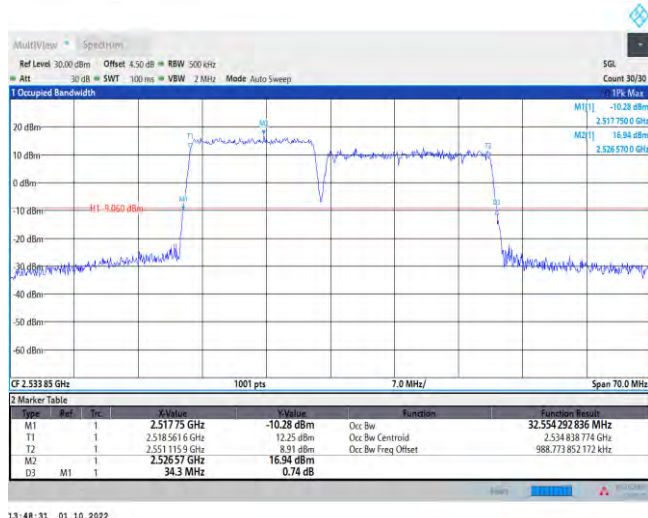
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7-7-15MHz-20MHz-QPSK-QPSK-20828-20999-75RB#0-100RB#0



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

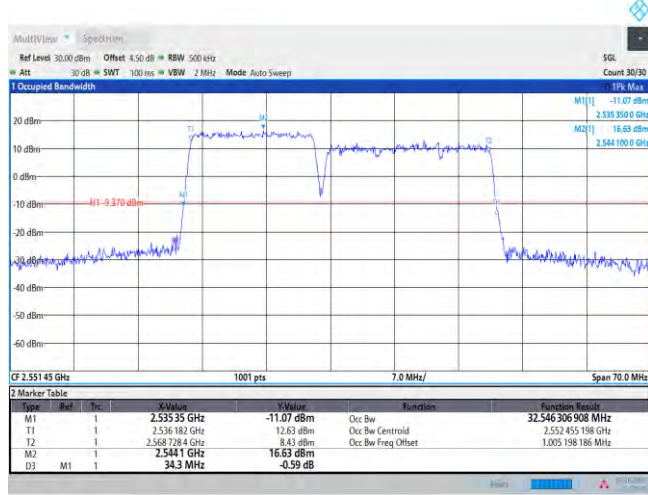


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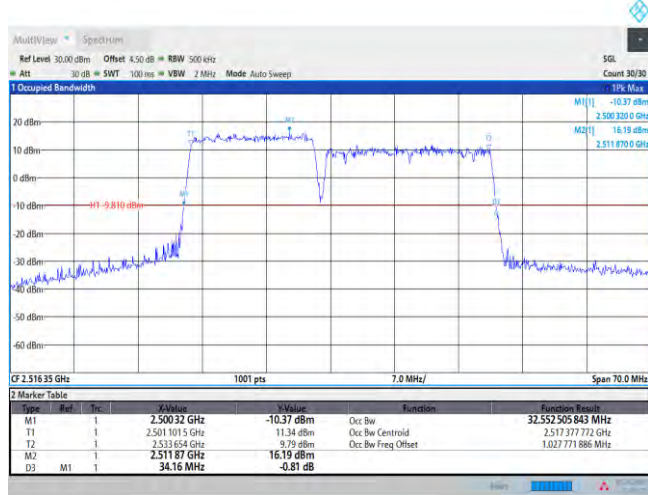
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7-7-15MHz-20MHz-QPSK-QPSK-21179-21350-75RB#0-100RB#0



13:50:42 01.10.2022

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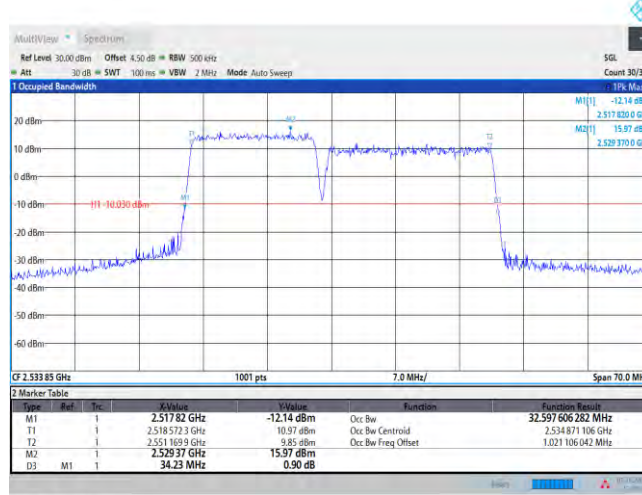
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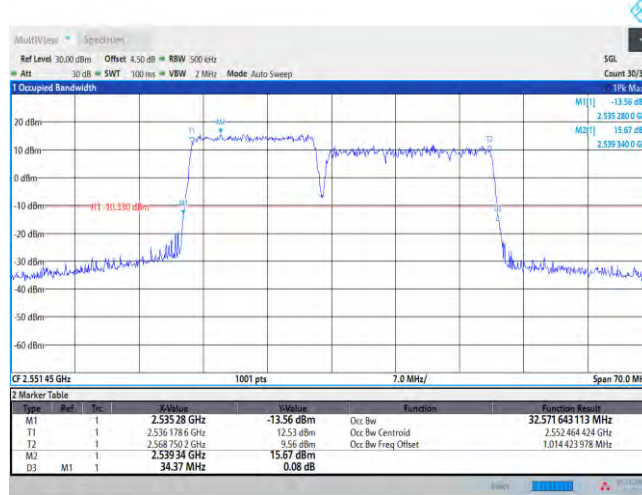
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7-7-15MHz-20MHz-16QAM-16QAM-21003-21174-75RB#0-100RB#0



13:49:02 01.10.2022

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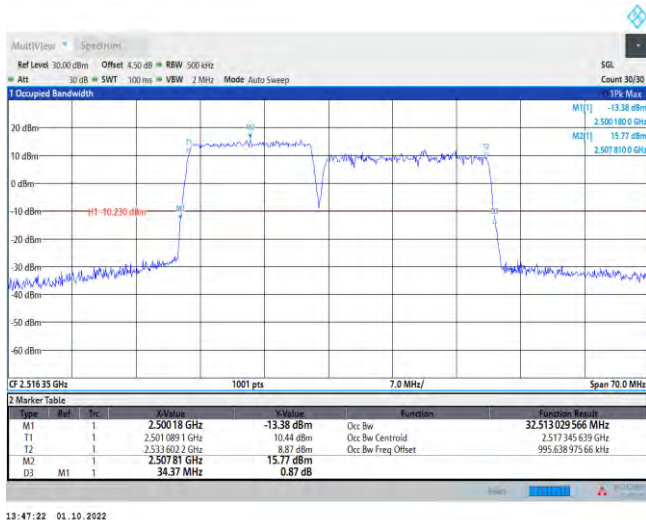


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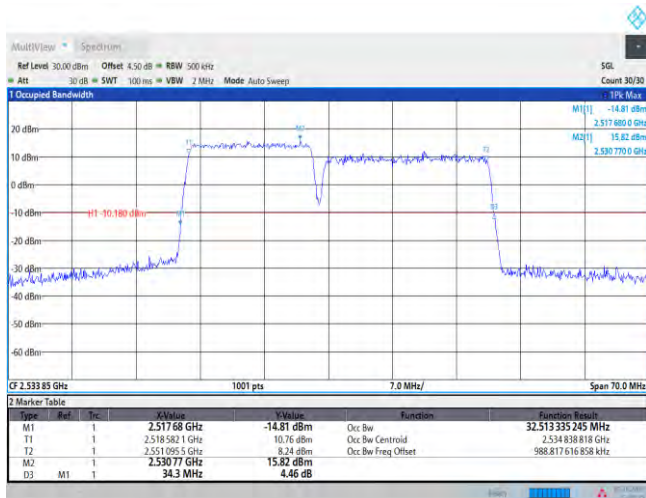


7-7-15MHz-20MHz-64QAM-64QAM-20828-20999-75RB#0-100RB#0



13:47:22 01.10.2022

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



13:49:34 01.10.2022



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



13:51:45 01.10.2022

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



13:47:54 01.10.2022



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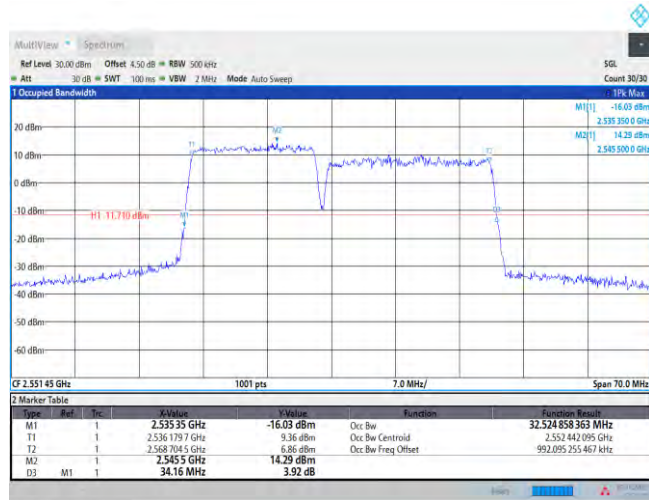
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7-7-15MHz-20MHz-256QAM-256QAM-21003-21174-75RB#0-100RB#0



13:50:05 01.10.2022

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



13:52:17 01.10.2022

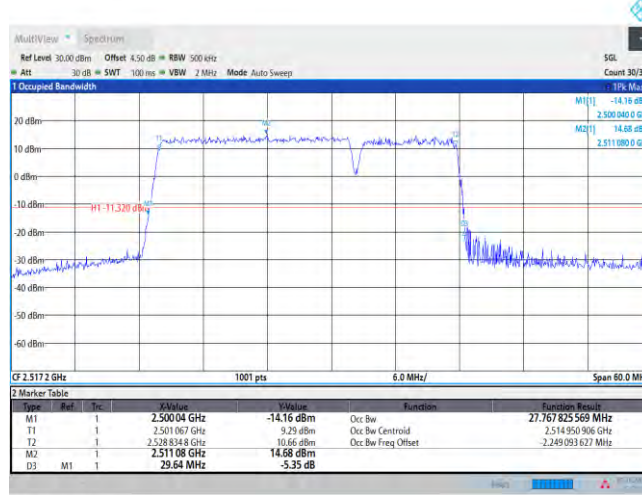


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7-7-20MHz-10MHz-QPSK-QPSK-20850-20994-100RB#0-50RB#0



13:53:13 01.10.2022

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



09:05:33 01.10.2022



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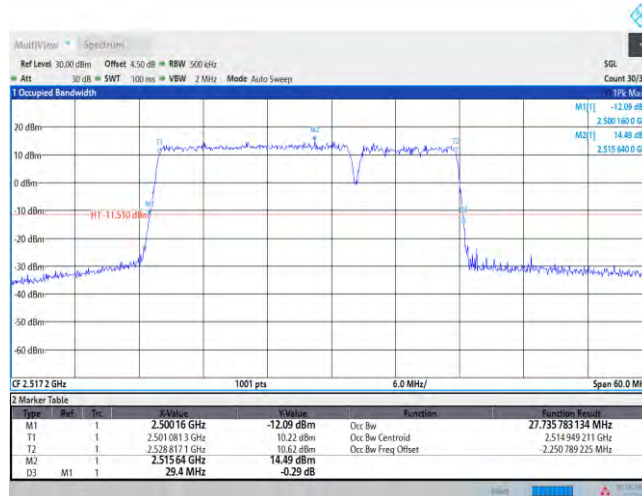
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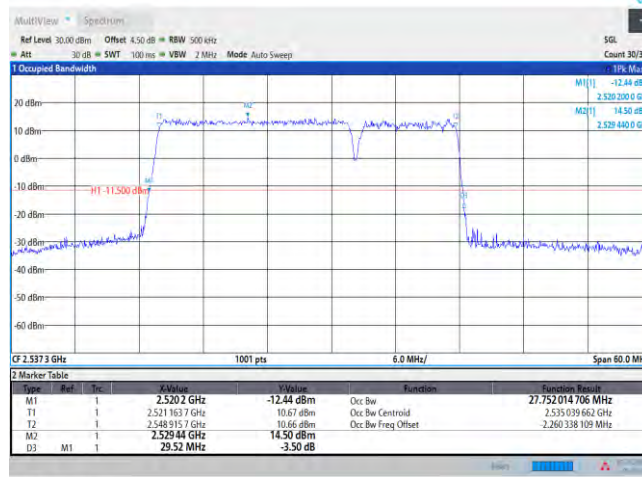
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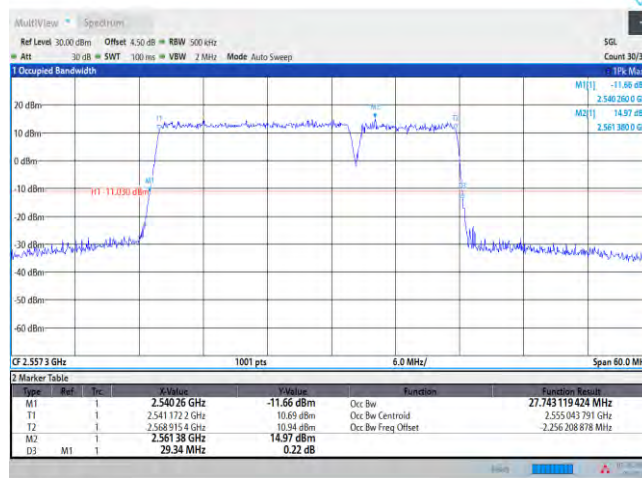
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09:06:05 01.10.2022

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



09:08:16 01.10.2022



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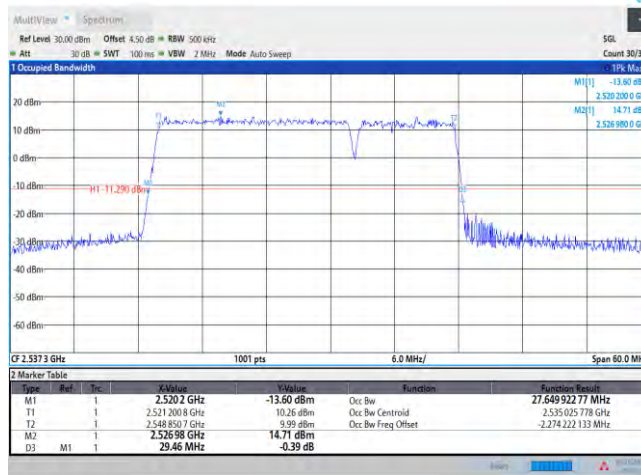


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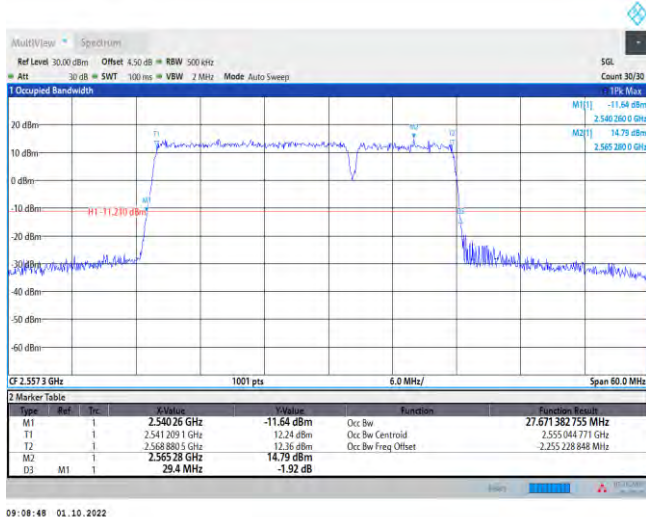
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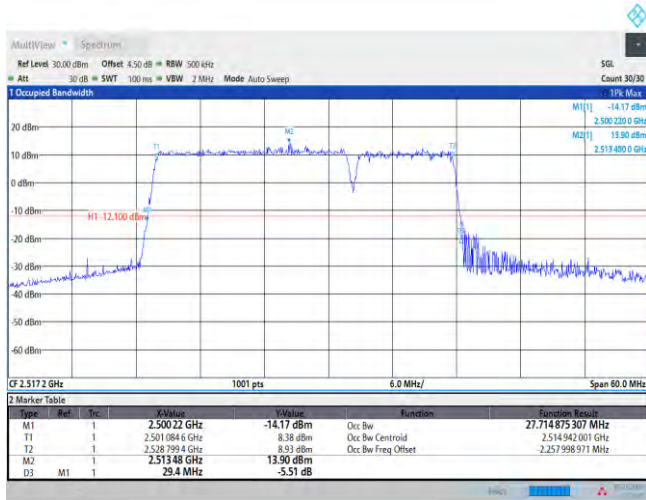
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7-7-20MHz-10MHz-64QAM-64QAM-21251-21395-100RB#0-50RB#0



09:08:48 01.10.2022

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



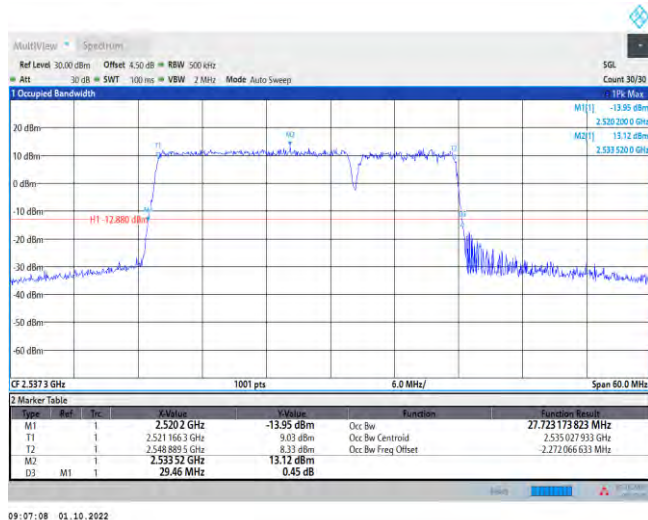
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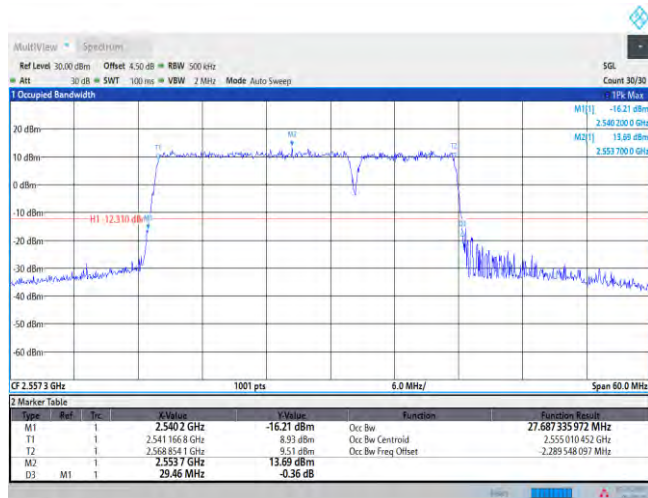
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7-7-20MHz-10MHz-256QAM-256QAM-21051-21195-100RB#0-50RB#0



09:07:08 01.10.2022

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



09:09:20 01.10.2022



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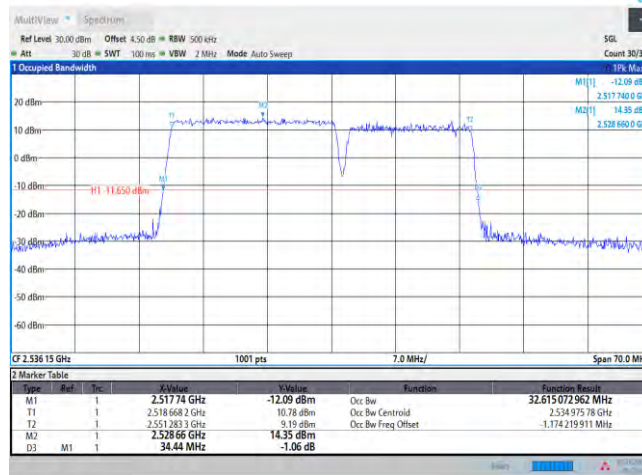


7-7-20MHz-15MHz-QPSK-QPSK-20850-21021-100RB#0-75RB#0



13:56:07 01.10.2022

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09:26:08 01.10.2022

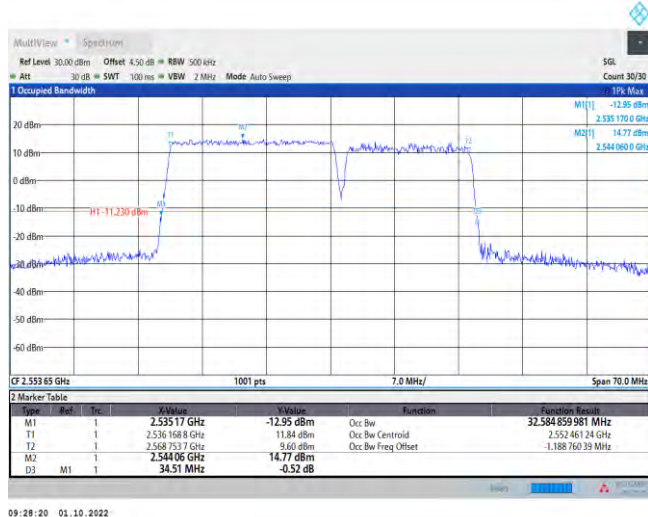


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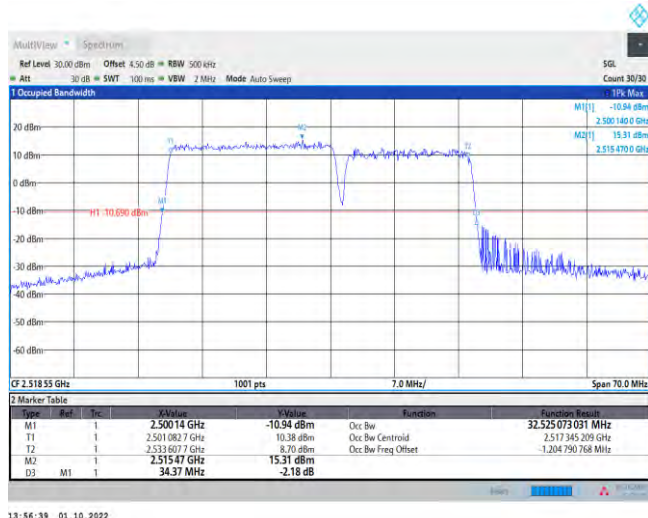
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7-7-20MHz-15MHz-QPSK-QPSK-21201-21372-100RB#0-75RB#0



09:28:20 01.10.2022

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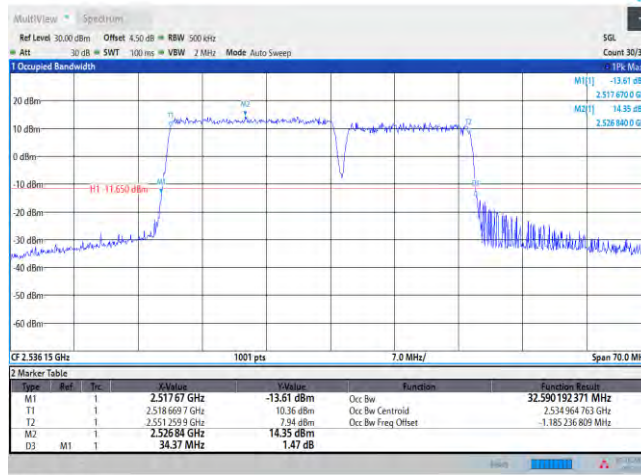
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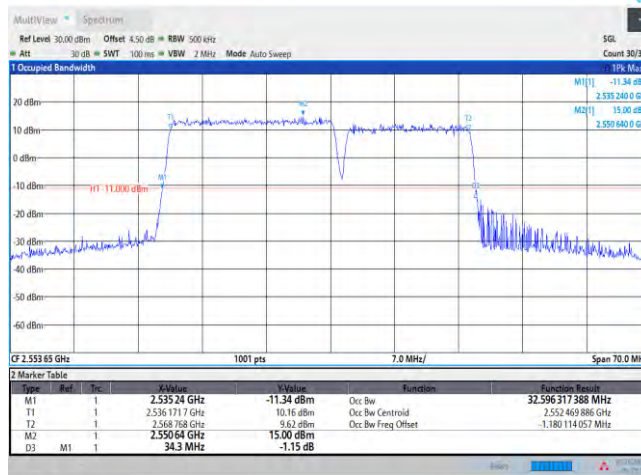
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7-7-20MHz-15MHz-16QAM-16QAM-21026-21197-100RB#0-75RB#0



09:26:40 01.10.2022

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09:28:52 01.10.2022



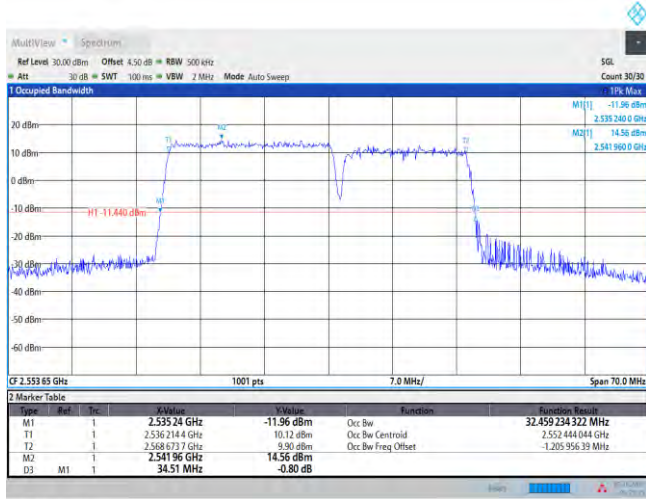
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7-7-20MHz-15MHz-64QAM-64QAM-21201-21372-100RB#0-75RB#0



09:29:23 01.10.2022

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



13:57:42 01.10.2022



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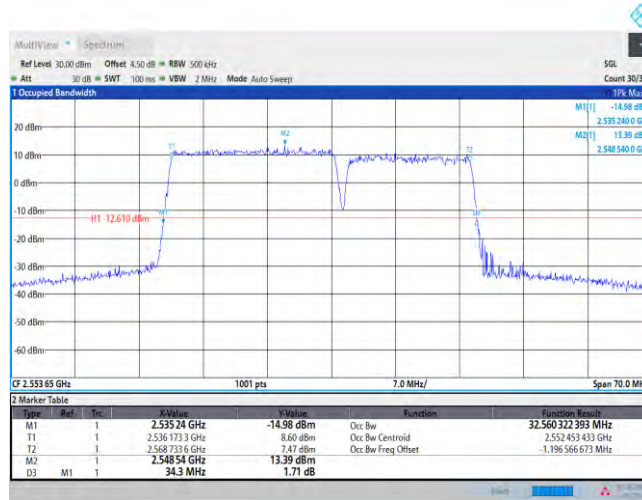
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7-7-20MHz-15MHz-256QAM-256QAM-21026-21197-100RB#0-75RB#0



09:27:43 01.10.2022

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



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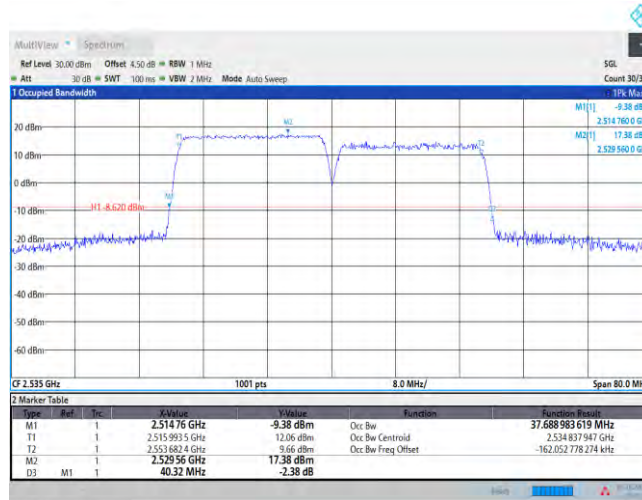


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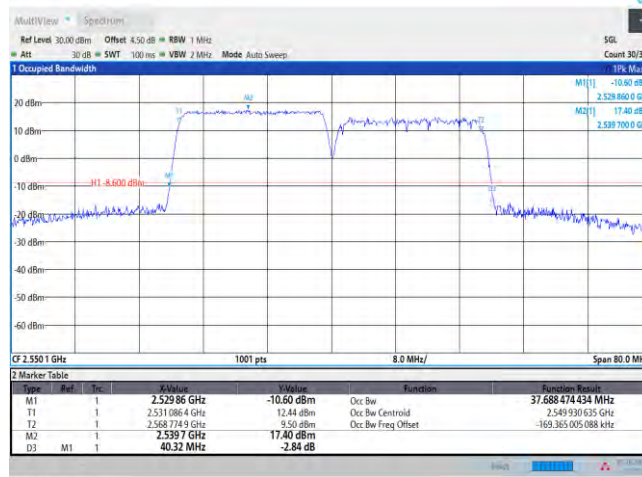
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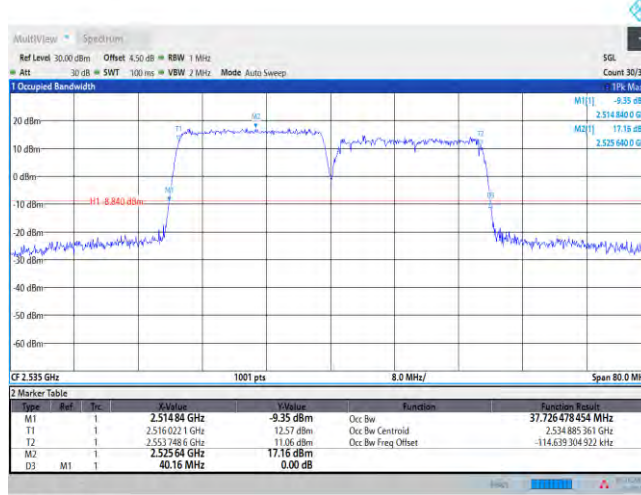
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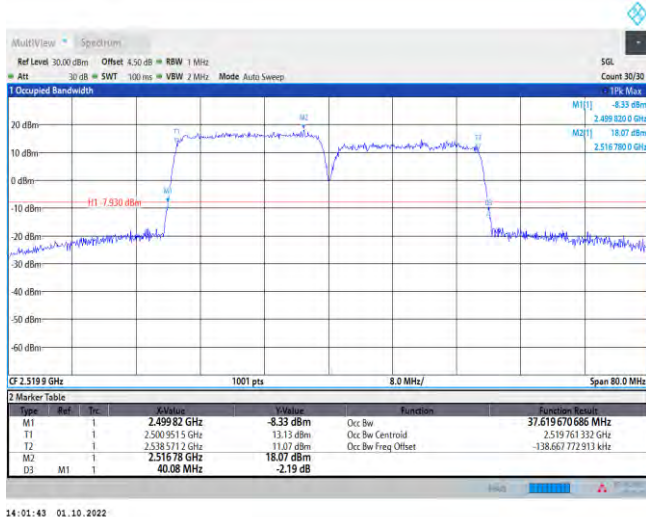
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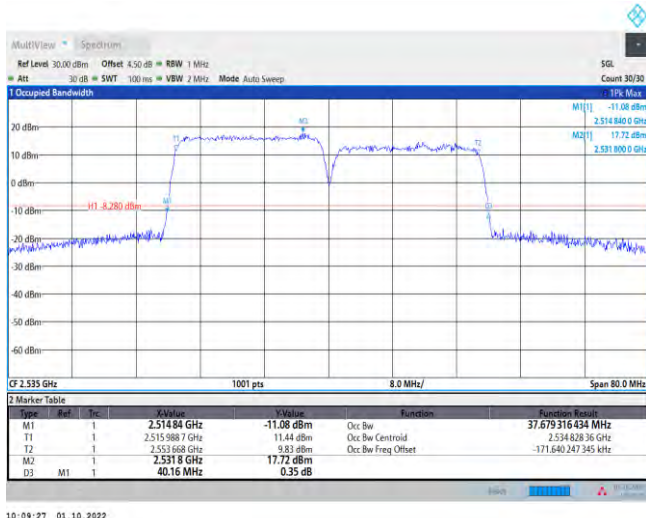


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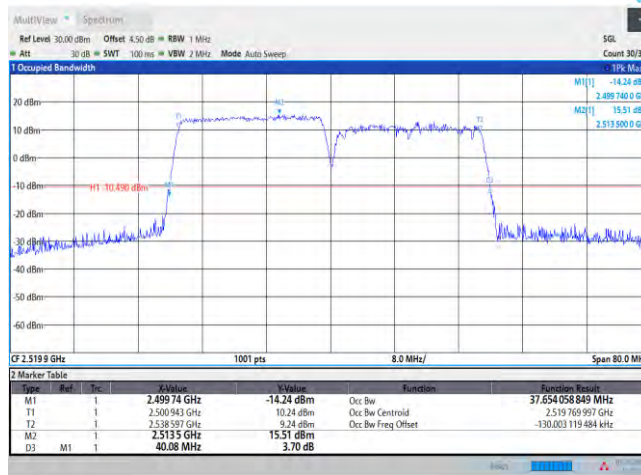
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7-7-20MHz-20MHz-64QAM-64QAM-21152-21350-100RB#0-100RB#0



10:11:38 01.10.2022

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



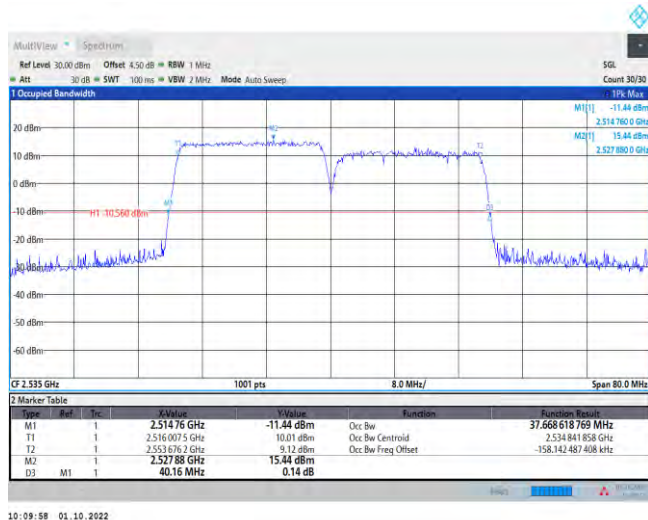
14:02:15 01.10.2022



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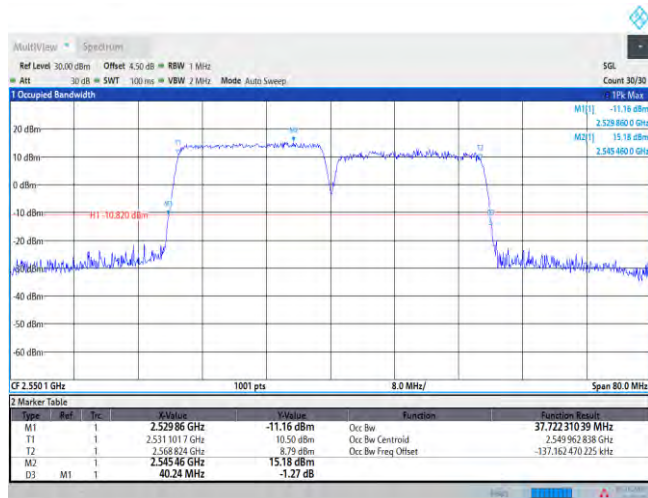
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7-7-20MHz-20MHz-256QAM-256QAM-21001-21199-100RB#0-100RB#0



10:09:58 01.10.2022

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



10:12:10 01.10.2022



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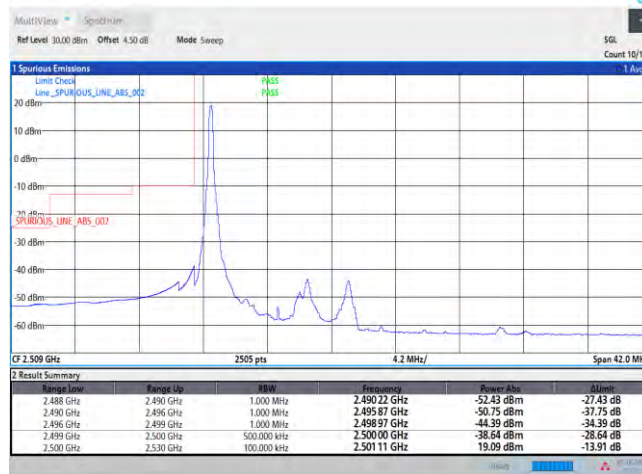
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## Band Edge

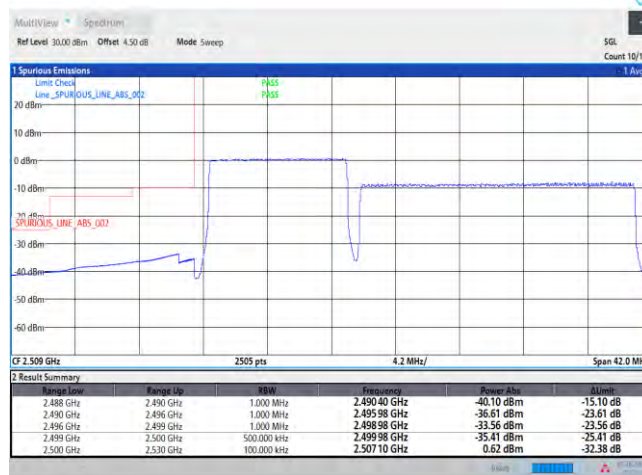
## Test Graphs

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



07:51:11 01.10.2022

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



07:52:28 01.10.2022



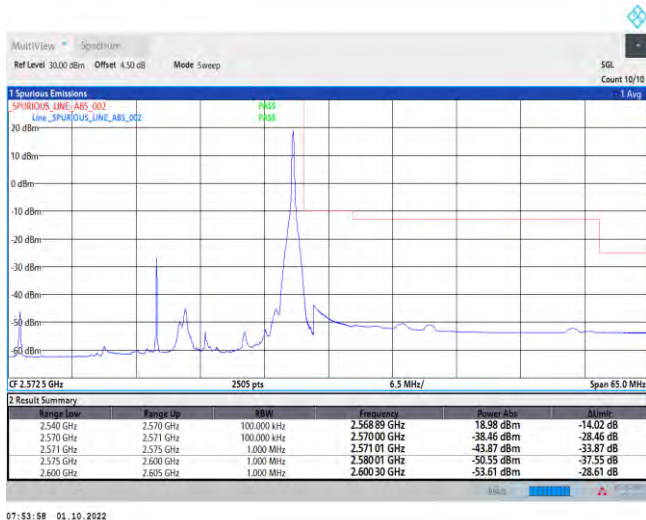
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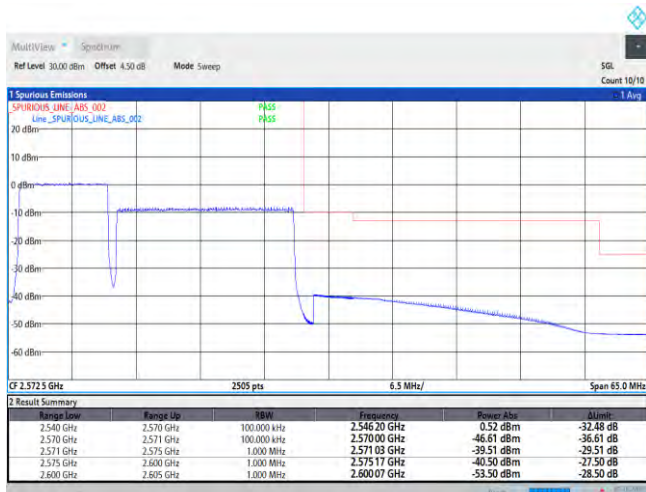
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7-7-10MHz-20MHz-QPSK-QPSK-21206-21350-0RB#0-1RB#99



07:53:58 01.10.2022

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



07:55:14 01.10.2022

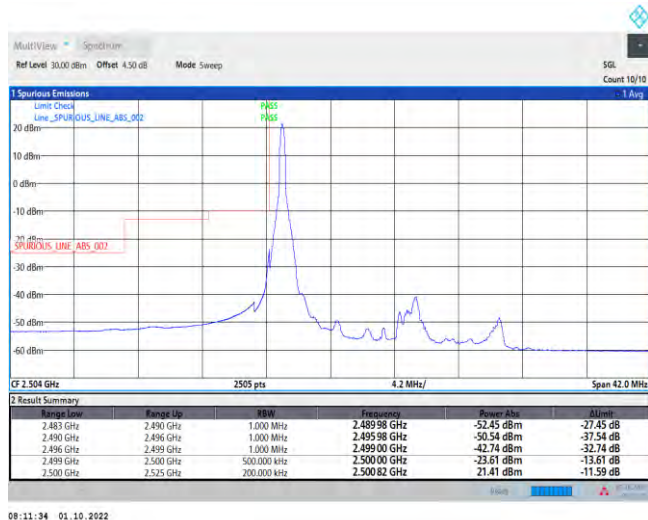


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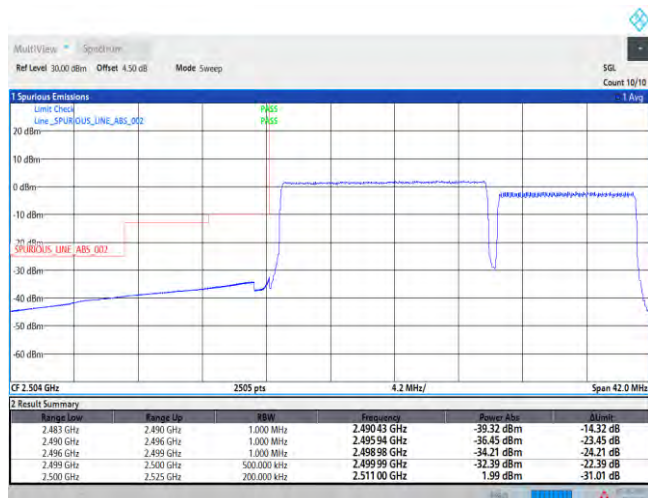
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7-7-15MHz-10MHz-QPSK-QPSK-20825-20945-1RB#0-0RB#0



08:11:34 01.10.2022

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



08:12:51 01.10.2022

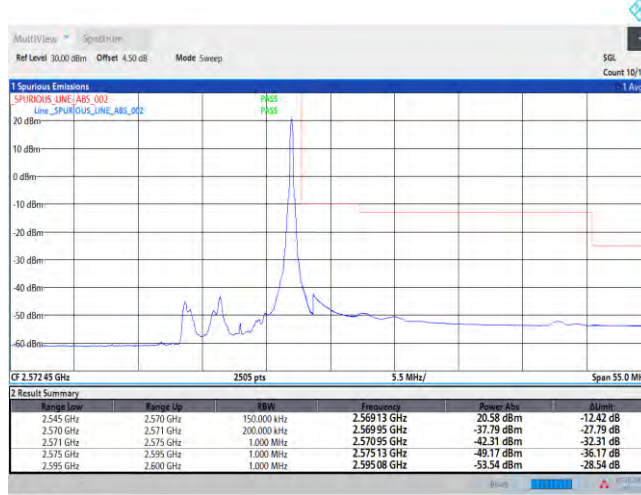


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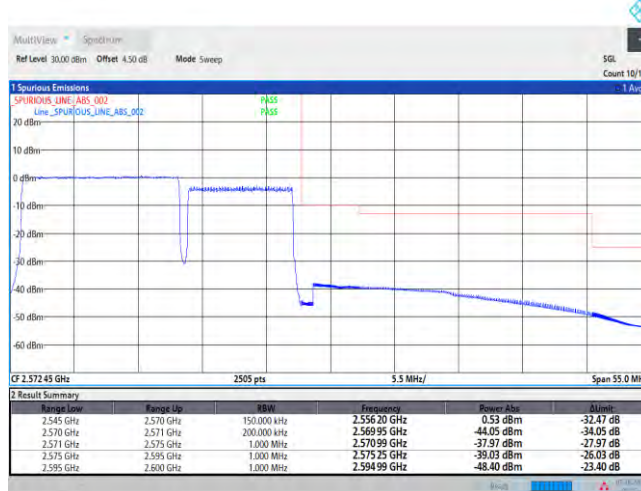


7-7-15MHz-10MHz-QPSK-QPSK-21277-21397-0RB#0-1RB#49



08:14:32 01.10.2022

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



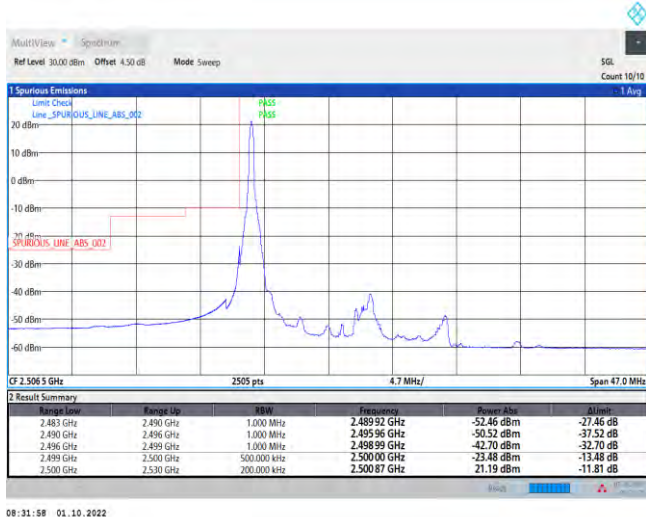
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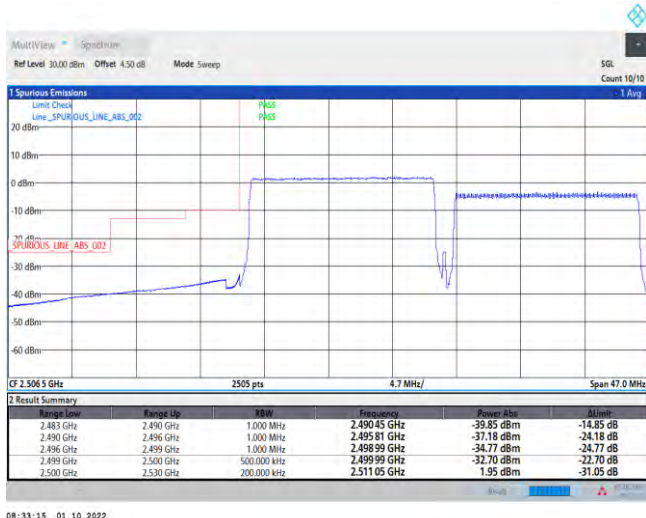
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7-7-15MHz-15MHz-QPSK-QPSK-20825-20975-1RB#0-0RB#0



08:31:58 01.10.2022

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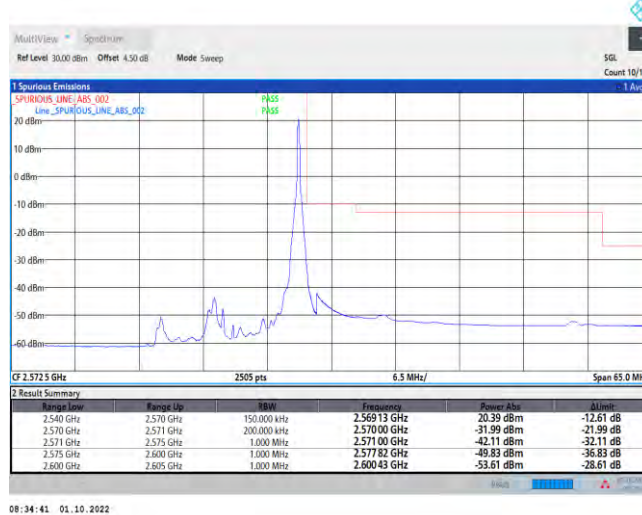
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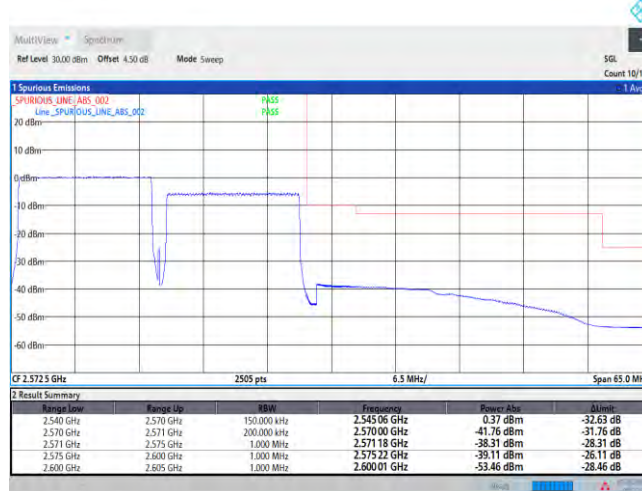
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7-7-15MHz-15MHz-QPSK-QPSK-21225-21375-0RB#0-1RB#74



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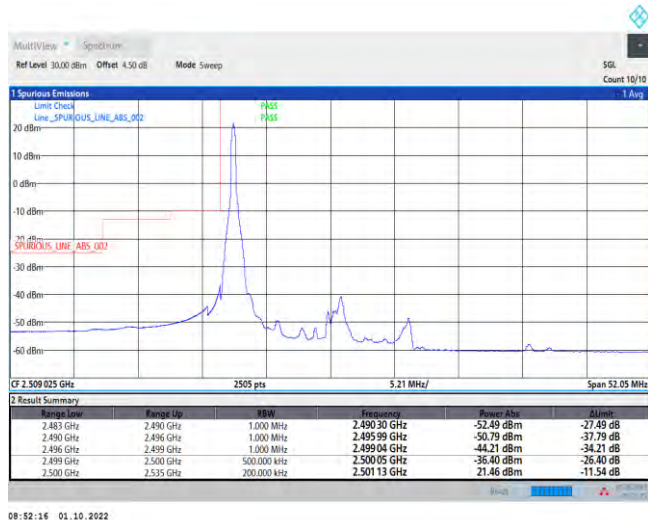


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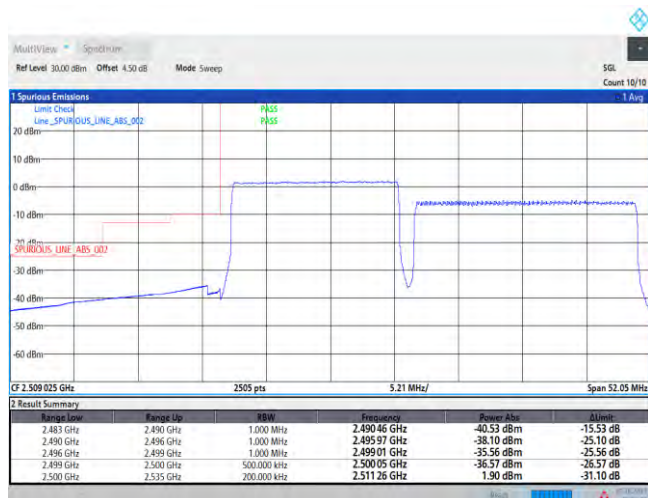


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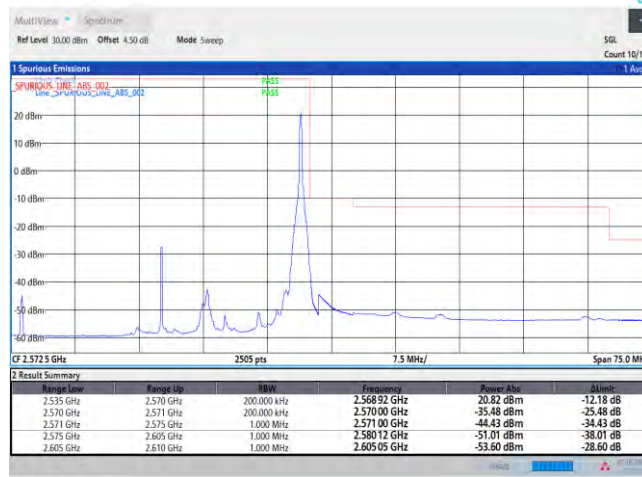
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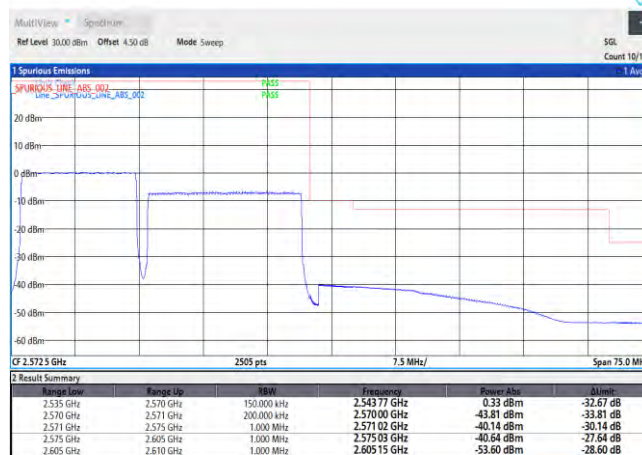
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7-7-15MHz-20MHz-QPSK-QPSK-21179-21350-0RB#0-1RB#99



12:11:28 01.10.2022

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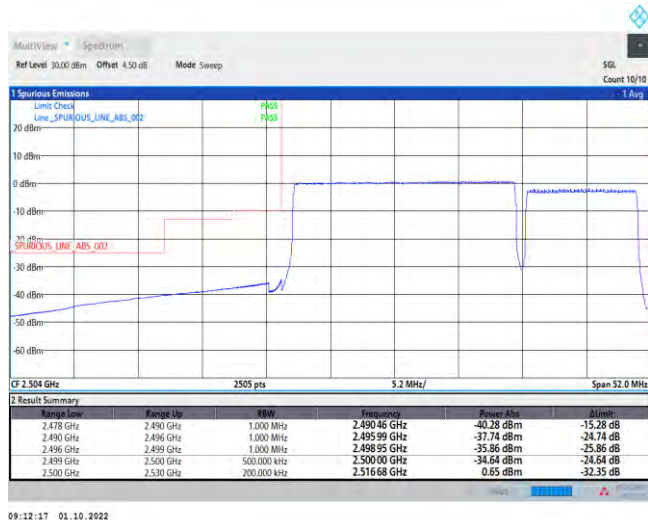
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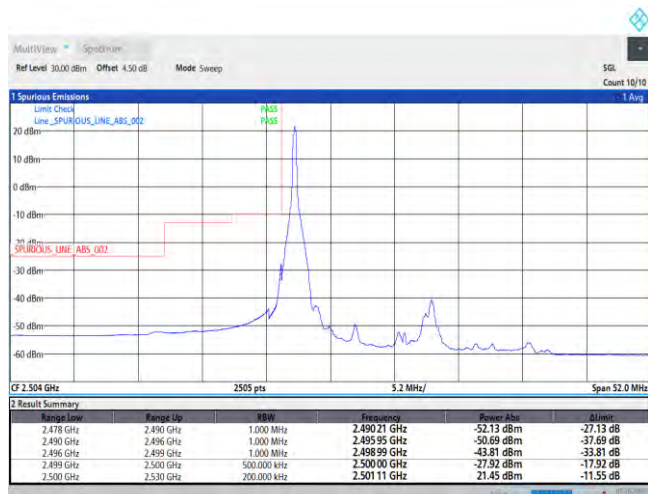
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7-7-20MHz-10MHz-QPSK-QPSK-20850-20994-100RB#0-50RB#0



09:12:17 01.10.2022

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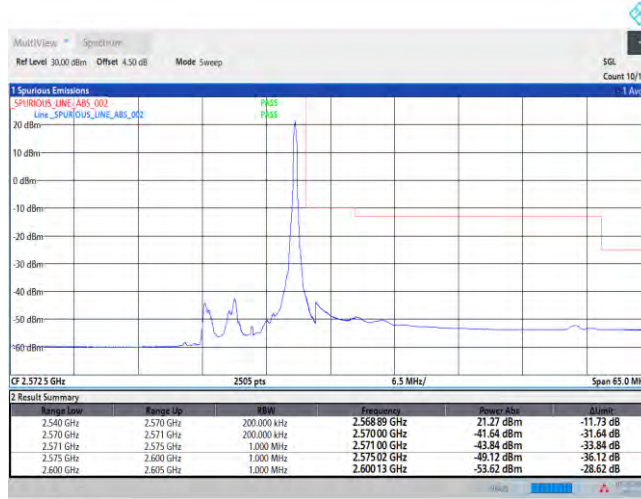


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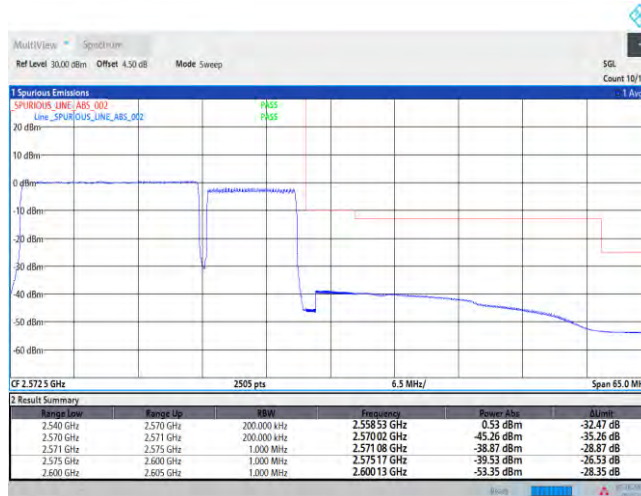


7-7-20MHz-10MHz-QPSK-QPSK-21251-21395-0RB#0-1RB#49



09:13:58 01.10.2022

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



09:15:14 01.10.2022



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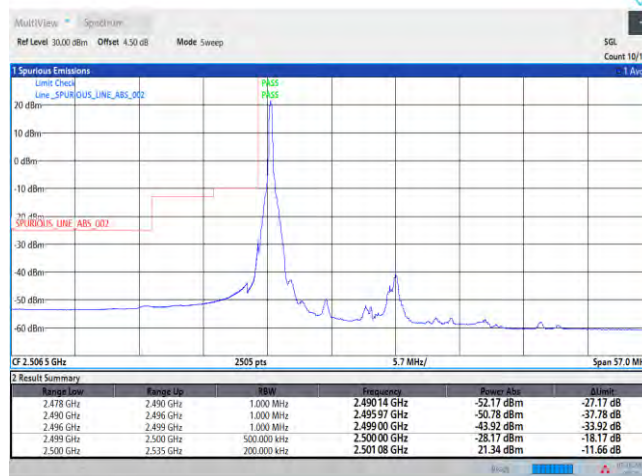
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7-7-20MHz-15MHz-QPSK-QPSK-20850-21021-100RB#0-75RB#0



09:32:52 01.10.2022

7-7-20MHz-15MHz-QPSK-QPSK-20850-21021-1RB#0-0RB#0



09:31:36 01.10.2022



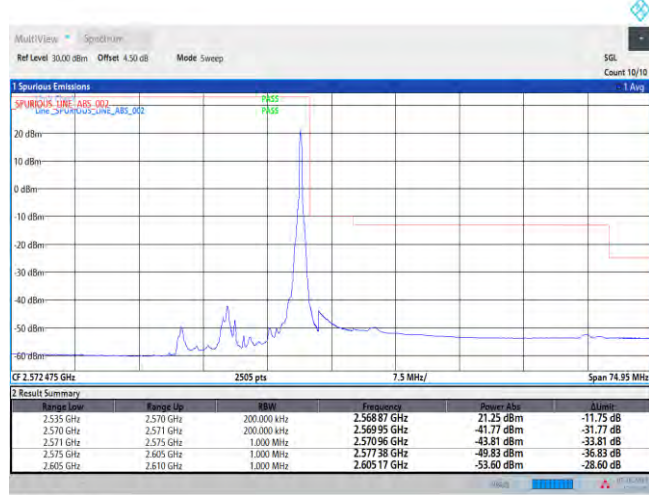
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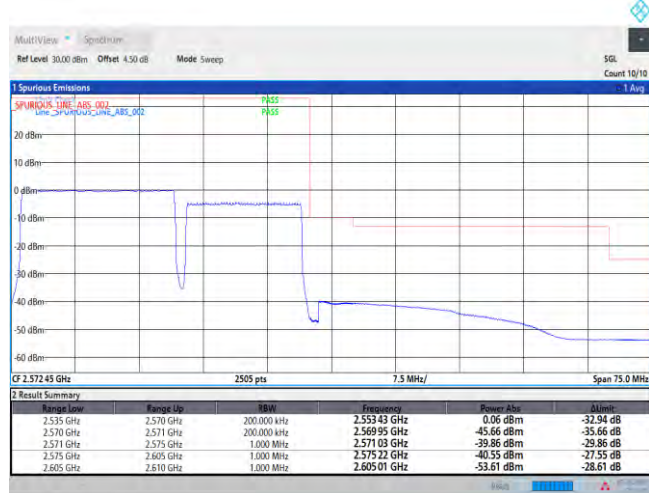
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7-7-20MHz-15MHz-QPSK-QPSK-21201-21372-0RB#0-1RB#74



12:14:47 01.10.2022

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



12:16:03 01.10.2022



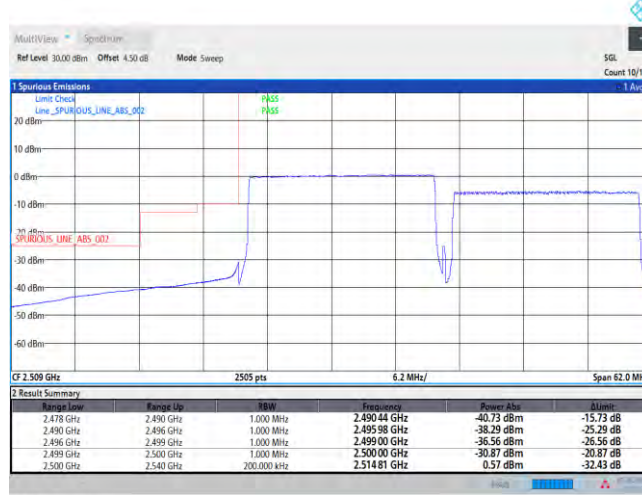
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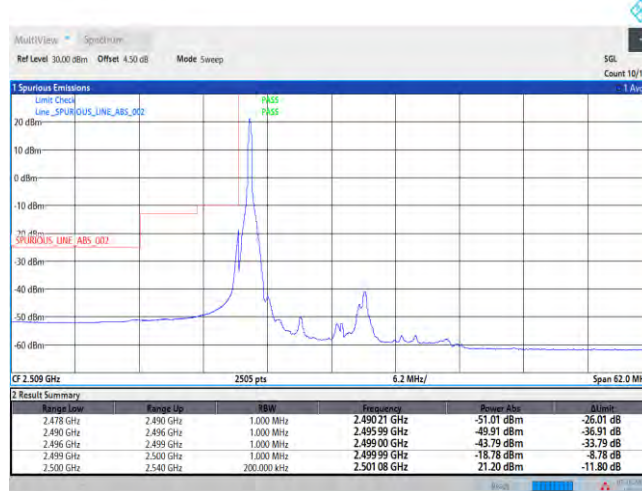


7-7-20MHz-20MHz-QPSK-QPSK-20850-21048-100RB#0-100RB#0



10:14:53 01.10.2022

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



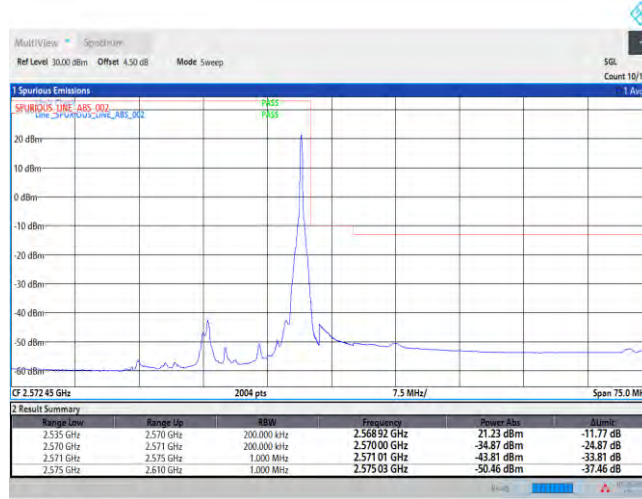
10:13:36 01.10.2022



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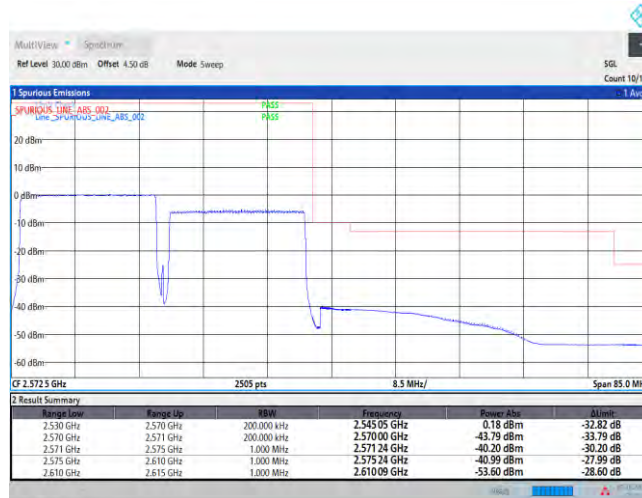
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7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-0RB#0-1RB#99



12:17:56 01.10.2022

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



12:19:12 01.10.2022



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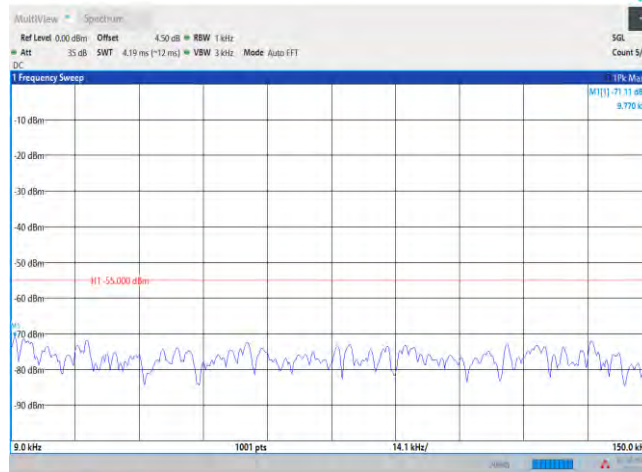
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## Conducted Spurious Emission

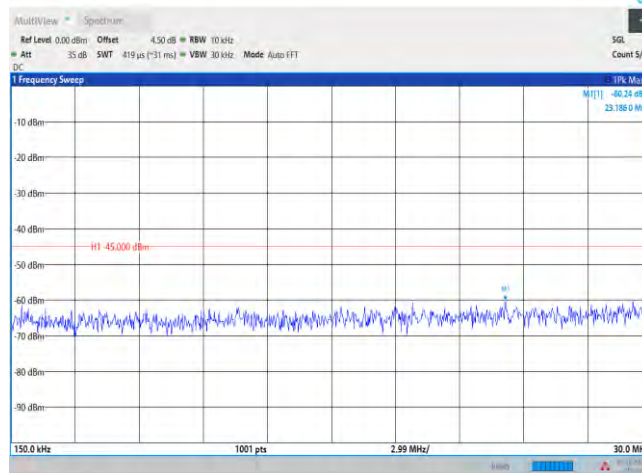
### Test Graphs

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



14:02:59 01.10.2022

7-7-20MHz-20MHz-QPSK-QPSK-20850-21048-1RB#0-0RB#0-0.15~30MHz



14:03:06 01.10.2022

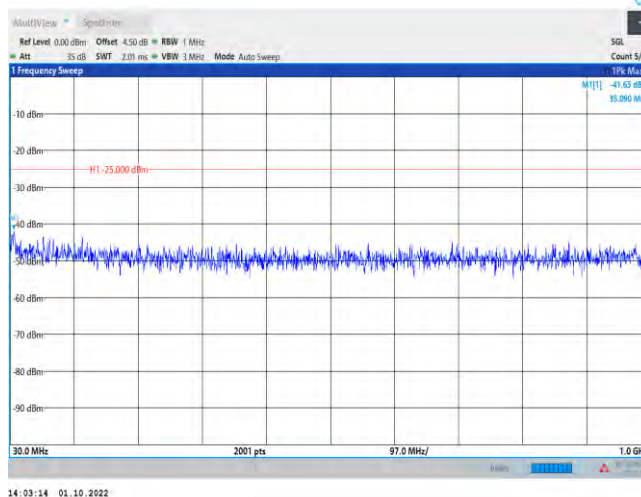


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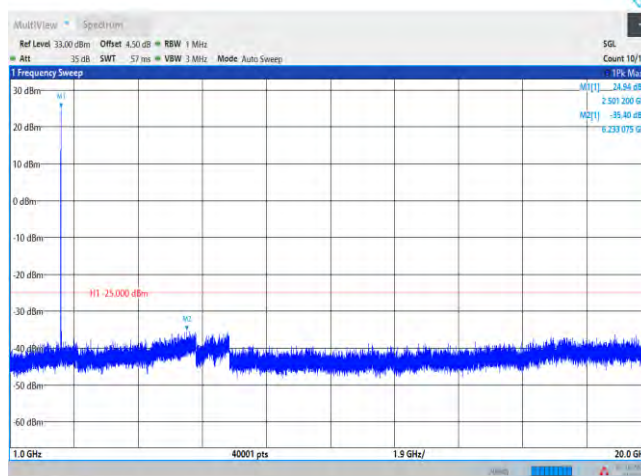


7-7-20MHz-20MHz-QPSK-QPSK-20850-21048-1RB#0-0RB#0-30~1000MHz



14:03:14 01.10.2022

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



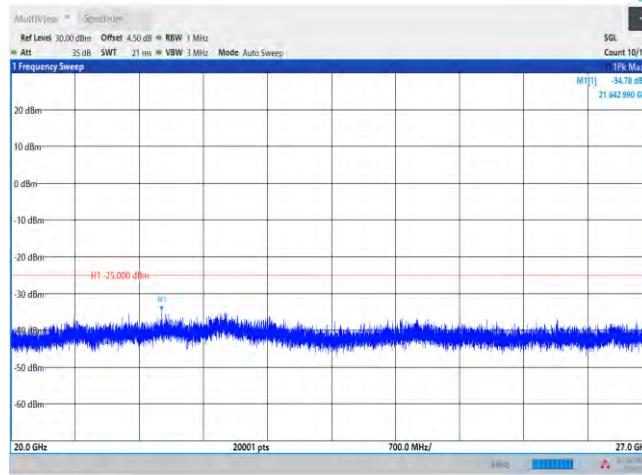
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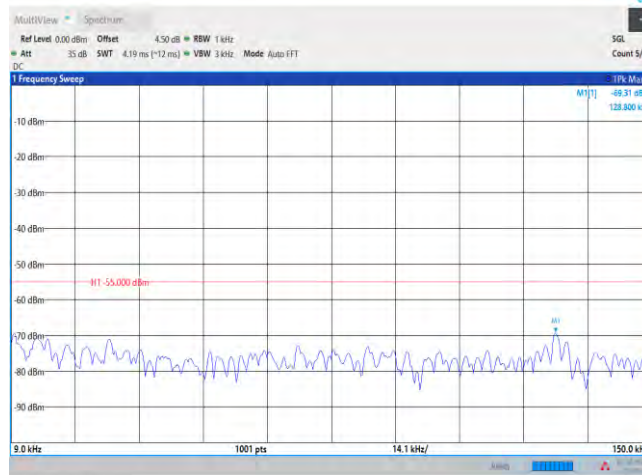
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7-7-20MHz-20MHz-QPSK-QPSK-20850-21048-1RB#0-0RB#0-20000~27000MHz



14:03:30 01.10.2022

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



14:04:09 01.10.2022

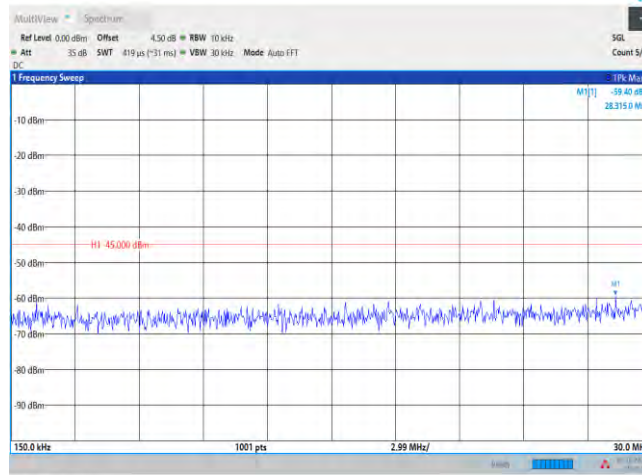


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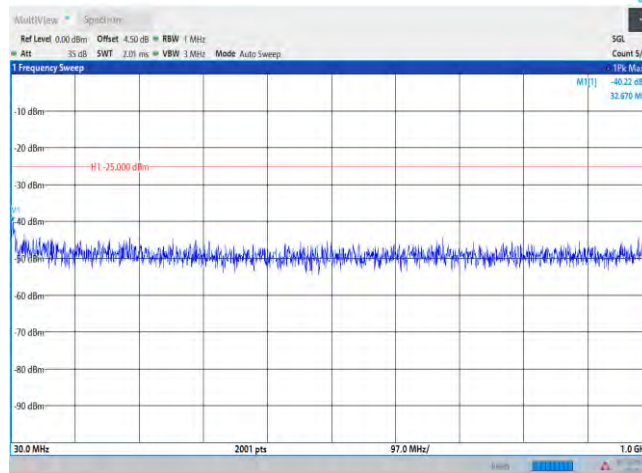
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7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-1RB#0-0RB#0-0.15~30MHz



14:04:17 01.10.2022

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14:04:24 01.10.2022



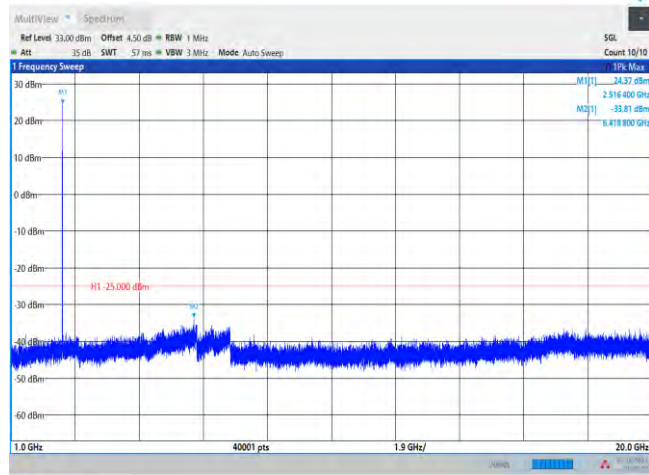
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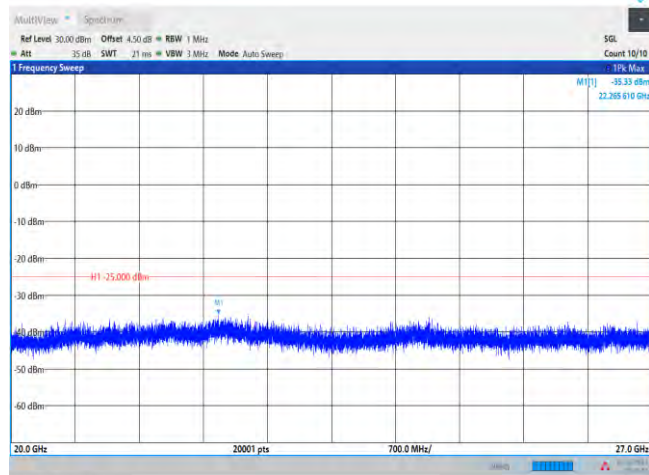


7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-1RB#0-0RB#0-1000~20000MHz



14:04:32 01.10.2022

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14:04:40 01.10.2022

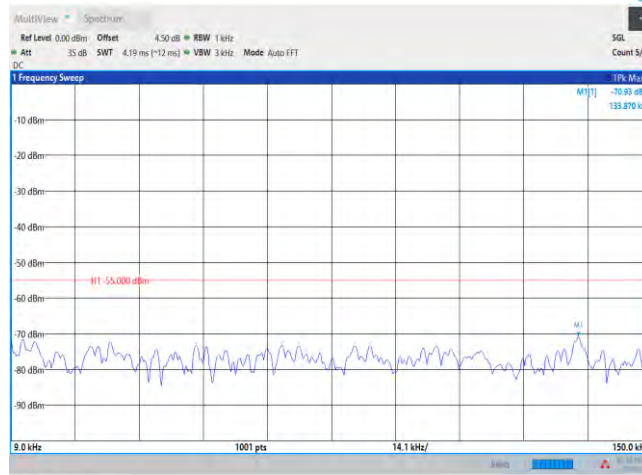


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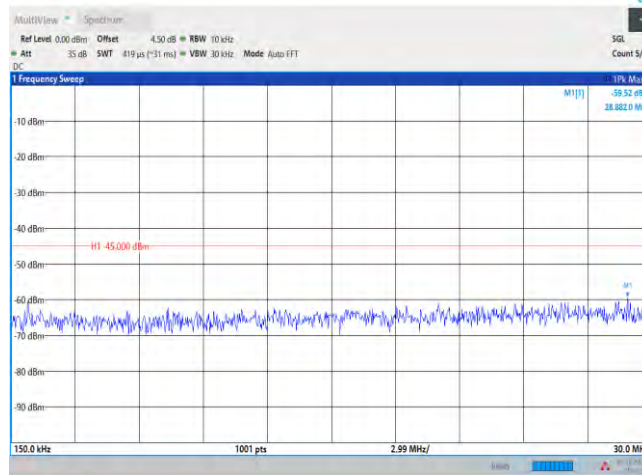
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7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-1RB#0-0RB#0-0.009~0.15MHz



14:05:20 01.10.2022

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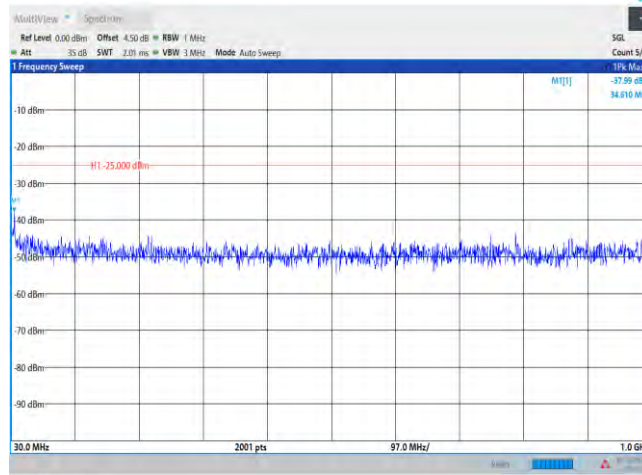
14:05:27 01.10.2022



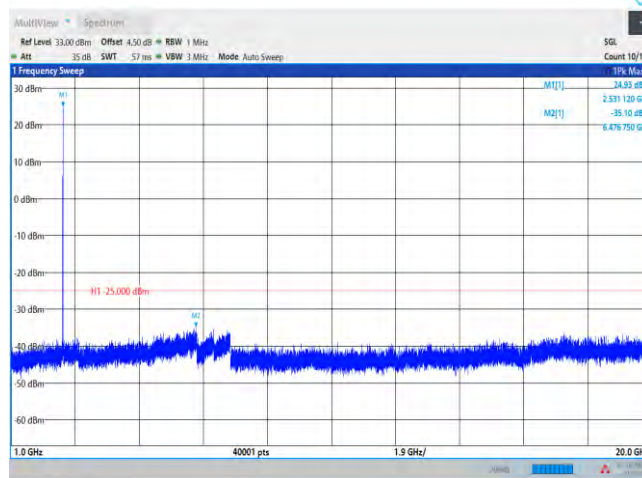
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7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-1RB#0-0RB#0-30~1000MHz



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

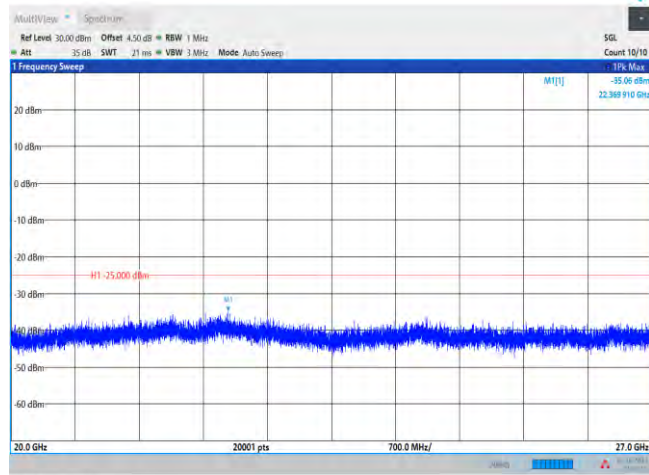


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7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-1RB#0-0RB#0-20000~27000MHz



14:05:51 01.10.2022



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### Field Strength of Spurious Radiation

Test Band = UL CA Band 7C ANT0\_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.18	49.80	-44.92	32.60	-57.78	-25.00	32.78	263	360	Horizontal
2	7503.27	49.27	-41.59	36.51	-51.07	-25.00	26.07	251	198	Horizontal
3	10004.36	45.02	-37.13	38.51	-48.87	-25.00	23.87	174	175	Horizontal
4	12505.45	44.43	-35.23	39.11	-46.95	-25.00	21.95	262	3	Horizontal
5	15006.54	42.92	-34.00	39.19	-47.15	-25.00	22.15	284	359	Horizontal
6	17507.63	39.91	-31.88	40.64	-46.59	-25.00	21.59	176	139	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	5002.18	50.48	-44.92	32.60	-57.10	-25.00	32.10	263	312	Vertical
2	7503.27	48.89	-41.59	36.51	-51.45	-25.00	26.45	241	278	Vertical
3	10004.36	44.83	-37.13	38.51	-49.06	-25.00	24.06	176	360	Vertical
4	12505.45	45.35	-35.23	39.11	-46.03	-25.00	21.03	294	150	Vertical
5	15006.54	42.62	-34.00	39.19	-47.45	-25.00	22.45	186	255	Vertical
6	17507.63	39.75	-31.88	40.64	-46.75	-25.00	21.75	124	278	Vertical



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Test Band = UL CA Band 7C ANT0\_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5032.38	50.66	-44.72	32.60	-56.72	-25.00	31.72	263	242	Horizontal
2	7548.27	47.97	-41.43	36.60	-52.12	-25.00	27.12	241	356	Horizontal
3	10064.76	44.29	-36.93	38.57	-49.33	-25.00	24.33	176	11	Horizontal
4	12580.95	44.18	-34.67	39.18	-46.56	-25.00	21.56	251	360	Horizontal
5	15097.14	42.97	-34.35	39.07	-47.57	-25.00	22.57	148	56	Horizontal
6	17613.33	41.09	-31.68	41.06	-44.79	-25.00	19.79	162	138	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	5032.38	51.17	-44.72	32.60	-56.21	-25.00	31.21	263	3	Vertical
2	7548.27	49.14	-41.43	36.60	-50.95	-25.00	25.95	251	11	Vertical
3	10064.76	43.95	-36.93	38.57	-49.67	-25.00	24.67	174	22	Vertical
4	12580.95	43.35	-34.67	39.18	-47.39	-25.00	22.39	162	11	Vertical
5	15097.14	42.50	-34.35	39.07	-48.04	-25.00	23.04	284	3	Vertical
6	17613.33	41.14	-31.68	41.06	-44.74	-25.00	19.74	166	128	Vertical



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**Test Band = UL CA Band 7C\_ TM1**  
**Test Channel = High Channel**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5062.58	50.14	-44.53	32.60	-57.05	-25.00	32.05	263	360	Horizontal
2	7593.87	49.50	-41.28	36.69	-50.35	-25.00	25.35	251	277	Horizontal
3	10125.16	45.40	-36.74	38.64	-47.96	-25.00	22.96	174	58	Horizontal
4	12656.45	44.05	-34.88	39.26	-46.83	-25.00	21.83	262	356	Horizontal
5	15187.74	42.40	-32.69	38.95	-46.60	-25.00	21.60	254	4	Horizontal
6	17719.03	40.68	-30.94	41.48	-44.04	-25.00	19.04	178	82	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	5062.58	50.44	-44.53	32.60	-56.75	-25.00	31.75	263	113	Vertical
2	7593.87	49.21	-41.28	36.69	-50.64	-25.00	25.64	251	360	Vertical
3	10125.16	45.03	-36.74	38.64	-48.33	-25.00	23.33	174	3	Vertical
4	12656.45	43.69	-34.88	39.26	-47.19	-25.00	22.19	264	359	Vertical
5	15187.74	42.53	-32.69	38.95	-46.47	-25.00	21.47	188	11	Vertical
6	17719.03	40.90	-30.94	41.48	-43.82	-25.00	18.82	264	148	Vertical



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Test Band = UL CA Band 7C ANT1\_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.18	50.40	-44.92	32.60	-57.18	-25.00	32.18	263	94	Horizontal
2	7503.27	47.98	-41.59	36.51	-52.36	-25.00	27.36	251	246	Horizontal
3	10004.36	45.10	-37.13	38.51	-48.79	-25.00	23.79	175	348	Horizontal
4	12505.45	43.27	-35.23	39.11	-48.11	-25.00	23.11	265	4	Horizontal
5	15006.54	43.02	-34.00	39.19	-47.05	-25.00	22.05	177	4	Horizontal
6	17507.63	39.83	-31.88	40.64	-46.67	-25.00	21.67	142	357	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	5002.18	53.76	-44.92	32.60	-53.82	-25.00	28.82	263	0	Vertical
2	7503.27	49.05	-41.59	36.51	-51.29	-25.00	26.29	251	221	Vertical
3	10004.36	45.39	-37.13	38.51	-48.50	-25.00	23.50	152	187	Vertical
4	12505.45	44.00	-35.23	39.11	-47.38	-25.00	22.38	262	0	Vertical
5	15006.54	42.56	-34.00	39.19	-47.51	-25.00	22.51	116	254	Vertical
6	17507.63	39.96	-31.88	40.64	-46.54	-25.00	21.54	217	325	Vertical



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Test Band = UL CA Band 7C ANT1\_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5052.18	53.25	-44.60	32.60	-54.01	-25.00	29.01	263	163	Horizontal
2	7578.27	48.29	-41.33	36.66	-51.64	-25.00	26.64	241	235	Horizontal
3	10104.36	44.14	-36.80	38.62	-49.30	-25.00	24.30	176	154	Horizontal
4	12630.45	42.56	-34.73	39.23	-48.19	-25.00	23.19	265	280	Horizontal
5	15156.54	41.76	-33.26	38.99	-47.77	-25.00	22.77	255	0	Horizontal
6	17682.63	40.99	-31.11	41.33	-44.05	-25.00	19.05	214	326	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	5052.18	54.35	-44.60	32.60	-52.91	-25.00	27.91	263	155	Vertical
2	7578.27	48.45	-41.33	36.66	-51.48	-25.00	26.48	251	62	Vertical
3	10104.36	44.38	-36.80	38.62	-49.06	-25.00	24.06	142	188	Vertical
4	12630.45	43.29	-34.73	39.23	-47.46	-25.00	22.46	265	17	Vertical
5	15156.54	41.88	-33.26	38.99	-47.65	-25.00	22.65	284	107	Vertical
6	17682.63	41.24	-31.11	41.33	-43.80	-25.00	18.80	177	0	Vertical



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Test Band = UL CA Band 7C ANT1\_ TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5102.18	49.63	-44.28	32.60	-57.31	-25.00	32.31	263	348	Horizontal
2	7653.27	48.51	-41.30	36.81	-51.24	-25.00	26.24	241	127	Horizontal
3	10204.36	43.61	-36.57	38.73	-49.49	-25.00	24.49	176	207	Horizontal
4	12755.45	43.12	-35.10	39.36	-47.89	-25.00	22.89	254	151	Horizontal
5	15306.54	43.04	-33.87	38.80	-47.29	-25.00	22.29	177	151	Horizontal
6	17857.63	40.92	-30.96	42.03	-43.26	-25.00	18.26	185	302	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	5102.18	49.80	-44.28	32.60	-57.14	-25.00	32.14	263	178	Vertical
2	7653.27	49.66	-41.30	36.81	-50.09	-25.00	25.09	251	52	Vertical
3	10204.36	44.48	-36.57	38.73	-48.62	-25.00	23.62	174	303	Vertical
4	12755.45	43.60	-35.10	39.36	-47.41	-25.00	22.41	152	291	Vertical
5	15306.54	42.91	-33.87	38.80	-47.42	-25.00	22.42	263	339	Vertical
6	17857.63	40.93	-30.96	42.03	-43.25	-25.00	18.25	241	64	Vertical



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Test Band = CA Band 7C ANT2\_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.18	50.15	-44.92	32.60	-57.43	-25.00	32.43	163	263	Horizontal
2	7503.27	48.07	-41.59	36.51	-52.27	-25.00	27.27	265	350	Horizontal
3	10004.36	44.50	-37.13	38.51	-49.39	-25.00	24.39	241	192	Horizontal
4	12505.45	44.14	-35.23	39.11	-47.24	-25.00	22.24	178	101	Horizontal
5	15006.54	41.82	-34.00	39.19	-48.25	-25.00	23.25	201	245	Horizontal
6	17507.63	39.68	-31.88	40.64	-46.82	-25.00	21.82	163	360	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	5002.18	50.86	-44.92	32.60	-56.72	-25.00	31.72	142	332	Vertical
2	7503.27	48.53	-41.59	36.51	-51.81	-25.00	26.81	265	155	Vertical
3	10004.36	45.66	-37.13	38.51	-48.23	-25.00	23.23	241	81	Vertical
4	12505.45	43.96	-35.23	39.11	-47.42	-25.00	22.42	178	45	Vertical
5	15006.54	42.68	-34.00	39.19	-47.39	-25.00	22.39	201	360	Vertical
6	17507.63	40.09	-31.88	40.64	-46.41	-25.00	21.41	269	190	Vertical



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Test Band = CA Band 7C ANT2\_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5052.18	49.69	-44.60	32.60	-57.57	-25.00	32.57	142	346	Horizontal
2	7578.27	48.82	-41.33	36.66	-51.11	-25.00	26.11	265	199	Horizontal
3	10104.36	44.05	-36.80	38.62	-49.39	-25.00	24.39	201	208	Horizontal
4	12630.45	43.70	-34.73	39.23	-47.05	-25.00	22.05	142	314	Horizontal
5	15156.54	42.09	-33.26	38.99	-47.44	-25.00	22.44	296	217	Horizontal
6	17682.63	40.39	-31.11	41.33	-44.65	-25.00	19.65	302	3	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	5052.18	50.49	-44.60	32.60	-56.77	-25.00	31.77	142	134	Vertical
2	7578.27	49.81	-41.33	36.66	-50.12	-25.00	25.12	265	360	Vertical
3	10104.36	44.60	-36.80	38.62	-48.84	-25.00	23.84	284	170	Vertical
4	12630.45	43.51	-34.73	39.23	-47.24	-25.00	22.24	222	29	Vertical
5	15156.54	41.37	-33.26	38.99	-48.16	-25.00	23.16	102	360	Vertical
6	17682.63	39.83	-31.11	41.33	-45.21	-25.00	20.21	155	20	Vertical



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Test Band = CA Band 7C ANT2\_ TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5102.18	50.03	-44.28	32.60	-56.91	-25.00	31.91	263	154	Horizontal
2	7653.27	48.89	-41.30	36.81	-50.86	-25.00	25.86	241	296	Horizontal
3	10204.36	43.75	-36.57	38.73	-49.35	-25.00	24.35	175	38	Horizontal
4	12755.45	43.13	-35.10	39.36	-47.88	-25.00	22.88	263	118	Horizontal
5	15306.54	41.91	-33.87	38.80	-48.42	-25.00	23.42	241	21	Horizontal
6	17857.63	40.87	-30.96	42.03	-43.31	-25.00	18.31	185	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	5102.18	50.01	-44.28	32.60	-56.93	-25.00	31.93	214	128	Vertical
2	7653.27	48.77	-41.30	36.81	-50.98	-25.00	25.98	263	83	Vertical
3	10204.36	43.94	-36.57	38.73	-49.16	-25.00	24.16	265	216	Vertical
4	12755.45	43.93	-35.10	39.36	-47.08	-25.00	22.08	102	12	Vertical
5	15306.54	42.03	-33.87	38.80	-48.30	-25.00	23.30	156	357	Vertical
6	17857.63	40.72	-30.96	42.03	-43.46	-25.00	18.46	235	360	Vertical



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Test Band = CA Band 7C ANT3\_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5004.18	49.96	-44.90	32.60	-57.60	-25.00	32.60	241	218	Horizontal
2	7506.27	48.51	-41.58	36.51	-51.82	-25.00	26.82	142	113	Horizontal
3	10008.36	44.81	-37.12	38.51	-49.06	-25.00	24.06	263	11	Horizontal
4	12510.45	43.39	-35.18	39.11	-47.94	-25.00	22.94	295	97	Horizontal
5	15012.54	41.70	-34.02	39.18	-48.40	-25.00	23.40	284	19	Horizontal
6	17514.63	39.22	-31.88	40.66	-47.25	-25.00	22.25	102	19	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	5004.18	51.34	-44.90	32.60	-56.22	-25.00	31.22	102	360	Vertical
2	7506.27	49.05	-41.58	36.51	-51.28	-25.00	26.28	142	19	Vertical
3	10008.36	45.46	-37.12	38.51	-48.41	-25.00	23.41	263	116	Vertical
4	12510.45	44.32	-35.18	39.11	-47.01	-25.00	22.01	265	166	Vertical
5	15012.54	42.44	-34.02	39.18	-47.66	-25.00	22.66	254	211	Vertical
6	17514.63	40.33	-31.88	40.66	-46.14	-25.00	21.14	186	28	Vertical



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Test Band = CA Band 7C ANT3\_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5034.18	50.67	-44.71	32.60	-56.70	-25.00	31.70	263	141	Horizontal
2	7551.27	48.24	-41.43	36.60	-51.84	-25.00	26.84	265	141	Horizontal
3	10068.36	44.29	-36.91	38.58	-49.31	-25.00	24.31	241	98	Horizontal
4	12585.45	42.97	-34.63	39.19	-47.74	-25.00	22.74	178	357	Horizontal
5	15102.54	41.88	-34.31	39.07	-48.62	-25.00	23.62	266	262	Horizontal
6	17619.63	39.64	-31.63	41.08	-46.17	-25.00	21.17	201	287	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	5034.18	50.22	-44.71	32.60	-57.15	-25.00	32.15	206	45	Vertical
2	7551.27	48.56	-41.43	36.60	-51.52	-25.00	26.52	251	3	Vertical
3	10068.36	44.95	-36.91	38.58	-48.65	-25.00	23.65	141	315	Vertical
4	12585.45	44.41	-34.63	39.19	-46.30	-25.00	21.30	196	331	Vertical
5	15102.54	42.02	-34.31	39.07	-48.48	-25.00	23.48	263	360	Vertical
6	17619.63	39.09	-31.63	41.08	-46.72	-25.00	21.72	208	97	Vertical



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**Test Band = CA Band 7C ANT3\_ TM1**

**Test Channel = High Channel**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5064.18	49.53	-44.51	32.60	-57.64	-25.00	32.64	142	114	Horizontal
2	7596.27	48.73	-41.27	36.69	-51.11	-25.00	26.11	263	36	Horizontal
3	10128.36	44.57	-36.73	38.64	-48.78	-25.00	23.78	265	339	Horizontal
4	12660.45	43.63	-34.90	39.26	-47.27	-25.00	22.27	284	209	Horizontal
5	15192.54	41.47	-32.61	38.95	-47.46	-25.00	22.46	175	360	Horizontal
6	17724.63	39.58	-30.93	41.50	-45.11	-25.00	20.11	299	157	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	5064.18	49.52	-44.51	32.60	-57.65	-25.00	32.65	201	186	Vertical
2	7596.27	49.80	-41.27	36.69	-50.04	-25.00	25.04	142	186	Vertical
3	10128.36	44.69	-36.73	38.64	-48.66	-25.00	23.66	156	332	Vertical
4	12660.45	44.21	-34.90	39.26	-46.69	-25.00	21.69	263	3	Vertical
5	15192.54	42.05	-32.61	38.95	-46.88	-25.00	21.88	265	358	Vertical
6	17724.63	38.82	-30.93	41.50	-45.87	-25.00	20.87	209	236	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	43.30	0.017148	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	VL	NT	40.80	0.016158	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	VN	NT	35.30	0.013980	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	56.30	0.022296	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	-20	55.00	0.021781	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	-10	53.40	0.021148	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	0	52.80	0.020910	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	10	54.30	0.021504	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	20	48.70	0.019286	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	30	48.80	0.019326	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	40	47.00	0.018613	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	50	47.00	0.018613	PASS

---End of Attachment---



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