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# Appendix B.15

## LTE CA\_7C



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## Effective (Isotropic) Radiated Power Output Data

## Test Result

ANT4

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	22.96	22.16	33.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	50RB#0-100RB#0	21.31	20.51	33.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	1RB#0-0RB#0	23.13	22.33	33.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	21.59	20.79	33.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	1RB#0-0RB#0	23.02	22.22	33.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	50RB#0-100RB#0	21.54	20.74	33.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	1RB#0-0RB#0	22.46	21.66	33.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	20.34	19.54	33.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	1RB#0-0RB#0	22.66	21.86	33.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	20.62	19.82	33.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	1RB#0-0RB#0	22.7	21.90	33.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	50RB#0-100RB#0	20.52	19.72	33.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	1RB#0-0RB#0	21.33	20.53	33.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	50RB#0-100RB#0	20.32	19.52	33.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	1RB#0-0RB#0	21.42	20.62	33.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	50RB#0-100RB#0	20.59	19.79	33.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	1RB#0-0RB#0	21.32	20.52	33.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	50RB#0-100RB#0	20.5	19.70	33.00	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	1RB#0-0RB#0	23.26	22.46	33.00	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	75RB#0-50RB#0	21.35	20.55	33.00	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	1RB#0-0RB#0	23.37	22.57	33.00	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	21.69	20.89	33.00	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	1RB#0-0RB#0	23.32	22.52	33.00	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	75RB#0-50RB#0	21.73	20.93	33.00	PASS
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	1RB#0-0RB#0	22.78	21.98	33.00	PASS
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	75RB#0-50RB#0	20.41	19.61	33.00	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	1RB#0-0RB#0	22.69	21.89	33.00	PASS



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7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	75RB#0-50RB#0	20.69	19.89	33.00	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	1RB#0-0RB#0	22.65	21.85	33.00	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	75RB#0-50RB#0	20.72	19.92	33.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	1RB#0-0RB#0	21.51	20.71	33.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	75RB#0-50RB#0	20.36	19.56	33.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	1RB#0-0RB#0	21.52	20.72	33.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	75RB#0-50RB#0	20.67	19.87	33.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	1RB#0-0RB#0	21.67	20.87	33.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	75RB#0-50RB#0	20.69	19.89	33.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	1RB#0-0RB#0	23.16	22.36	33.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	75RB#0-75RB#0	21.33	20.53	33.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	1RB#0-0RB#0	23.26	22.46	33.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	75RB#0-75RB#0	21.64	20.84	33.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	1RB#0-0RB#0	23.17	22.37	33.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	75RB#0-75RB#0	21.64	20.84	33.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	1RB#0-0RB#0	22.59	21.79	33.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	75RB#0-75RB#0	20.32	19.52	33.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	1RB#0-0RB#0	22.74	21.94	33.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	75RB#0-75RB#0	20.63	19.83	33.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	1RB#0-0RB#0	22.67	21.87	33.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	75RB#0-75RB#0	20.68	19.88	33.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	1RB#0-0RB#0	21.43	20.63	33.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	75RB#0-75RB#0	20.28	19.48	33.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	1RB#0-0RB#0	21.52	20.72	33.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	75RB#0-75RB#0	20.61	19.81	33.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	1RB#0-0RB#0	21.41	20.61	33.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	75RB#0-75RB#0	20.59	19.79	33.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	1RB#0-0RB#0	23.09	22.29	33.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	75RB#0-100RB#0	21.28	20.48	33.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	1RB#0-0RB#0	23.11	22.31	33.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	75RB#0-100RB#0	21.58	20.78	33.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	1RB#0-0RB#0	23.11	22.31	33.00	PASS



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7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	75RB#0-100RB#0	21.47	20.67	33.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	1RB#0-0RB#0	22.55	21.75	33.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	75RB#0-100RB#0	20.24	19.44	33.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	1RB#0-0RB#0	22.48	21.68	33.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	75RB#0-100RB#0	20.61	19.81	33.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	1RB#0-0RB#0	22.53	21.73	33.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	75RB#0-100RB#0	20.49	19.69	33.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	1RB#0-0RB#0	21.33	20.53	33.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	75RB#0-100RB#0	20.25	19.45	33.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	1RB#0-0RB#0	21.45	20.65	33.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	75RB#0-100RB#0	20.57	19.77	33.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	1RB#0-0RB#0	21.4	20.60	33.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	75RB#0-100RB#0	20.5	19.70	33.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	100RB#0-50RB#0	21.37	20.57	33.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	1RB#0-0RB#0	23.03	22.23	33.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	21.63	20.83	33.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	1RB#0-0RB#0	23.17	22.37	33.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	21.6	20.80	33.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	1RB#0-0RB#0	23.08	22.28	33.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	100RB#0-50RB#0	20.37	19.57	33.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	1RB#0-0RB#0	22.68	21.88	33.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	100RB#0-50RB#0	20.61	19.81	33.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	1RB#0-0RB#0	22.75	21.95	33.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	100RB#0-50RB#0	20.62	19.82	33.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	1RB#0-0RB#0	22.74	21.94	33.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	100RB#0-50RB#0	20.35	19.55	33.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	1RB#0-0RB#0	21.24	20.44	33.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	100RB#0-50RB#0	20.65	19.85	33.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	1RB#0-0RB#0	21.5	20.70	33.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	100RB#0-50RB#0	20.59	19.79	33.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	1RB#0-0RB#0	21.37	20.57	33.00	PASS
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	100RB#0-75RB#0	21.32	20.52	33.00	PASS



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7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	1RB#0-0RB#0	22.9	22.10	33.00	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	21.57	20.77	33.00	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	1RB#0-0RB#0	22.97	22.17	33.00	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	100RB#0-75RB#0	21.53	20.73	33.00	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	1RB#0-0RB#0	23.02	22.22	33.00	PASS
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	100RB#0-75RB#0	20.27	19.47	33.00	PASS
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	1RB#0-0RB#0	22.26	21.46	33.00	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	100RB#0-75RB#0	20.56	19.76	33.00	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	1RB#0-0RB#0	22.48	21.68	33.00	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	100RB#0-75RB#0	20.56	19.76	33.00	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	1RB#0-0RB#0	22.64	21.84	33.00	PASS
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	100RB#0-75RB#0	20.25	19.45	33.00	PASS
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	1RB#0-0RB#0	21.17	20.37	33.00	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	100RB#0-75RB#0	20.6	19.80	33.00	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	1RB#0-0RB#0	21.31	20.51	33.00	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	100RB#0-75RB#0	20.54	19.74	33.00	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	1RB#0-0RB#0	21.31	20.51	33.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	21.22	20.42	33.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	1RB#0-0RB#0	22.79	21.99	33.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	21.59	20.79	33.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	1RB#0-0RB#0	22.72	21.92	33.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	21.44	20.64	33.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	1RB#0-0RB#0	22.92	22.12	33.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	100RB#0-100RB#0	20.23	19.43	33.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	1RB#0-0RB#0	22.4	21.60	33.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	100RB#0-100RB#0	20.52	19.72	33.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	1RB#0-0RB#0	22.27	21.47	33.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	100RB#0-100RB#0	20.48	19.68	33.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	1RB#0-0RB#0	22.48	21.68	33.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	100RB#0-100RB#0	20.2	19.40	33.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	1RB#0-0RB#0	21.1	20.30	33.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	100RB#0-100RB#0	20.51	19.71	33.00	PASS



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7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	1RB#0-0RB#0	21.07	20.27	33.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	100RB#0-100RB#0	20.48	19.68	33.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	1RB#0-0RB#0	21.18	20.38	33.00	PASS



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**Peak-to-Average Ratio(CCDF)****Test Result**

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	5.98	13	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	5.82	13	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	6.34	13	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	100RB#0-100RB#0	6.96	13	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	100RB#0-100RB#0	6.90	13	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	100RB#0-100RB#0	6.76	13	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	100RB#0-100RB#0	7.16	13	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	100RB#0-100RB#0	7.12	13	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	100RB#0-100RB#0	7.08	13	PASS



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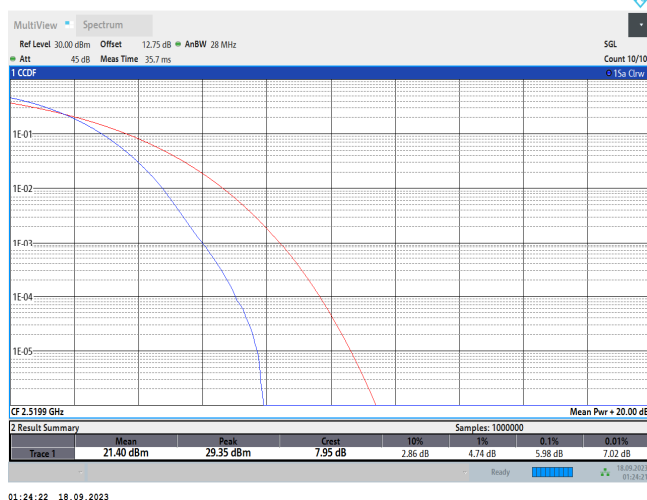
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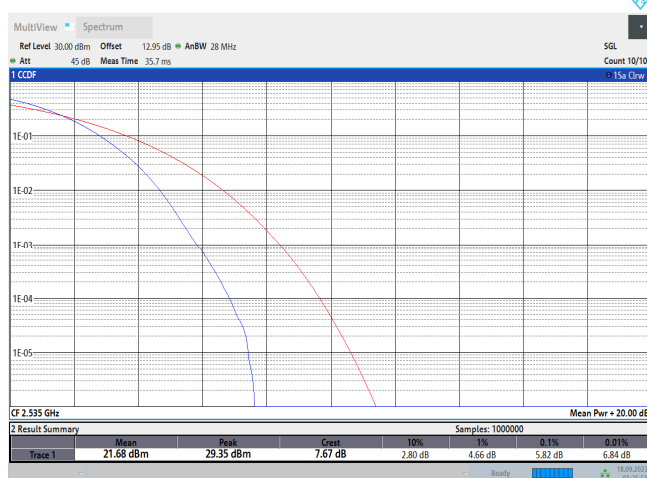
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#### 7-7-20MHz-20MHz-QPSK-QPSK-20850-21048-100RB#0-100RB#0



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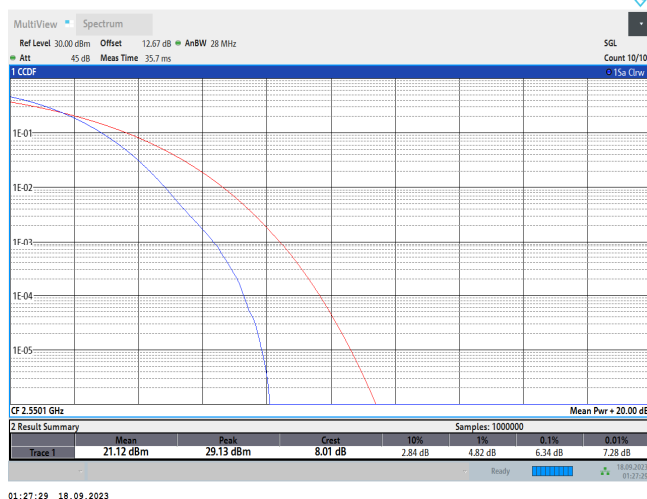


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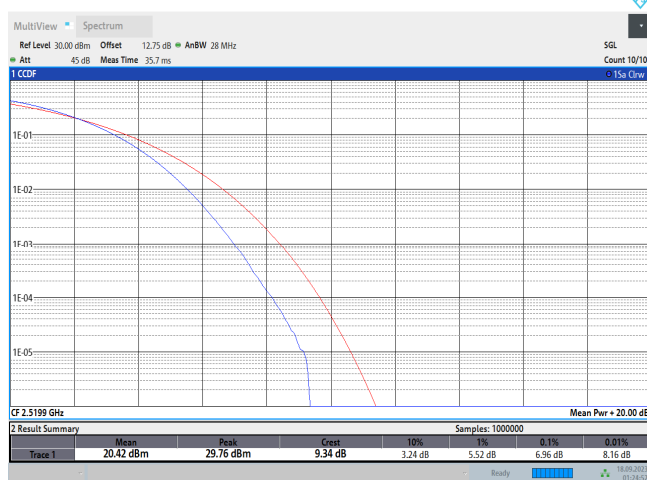
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### 7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-100RB#0-100RB#0



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



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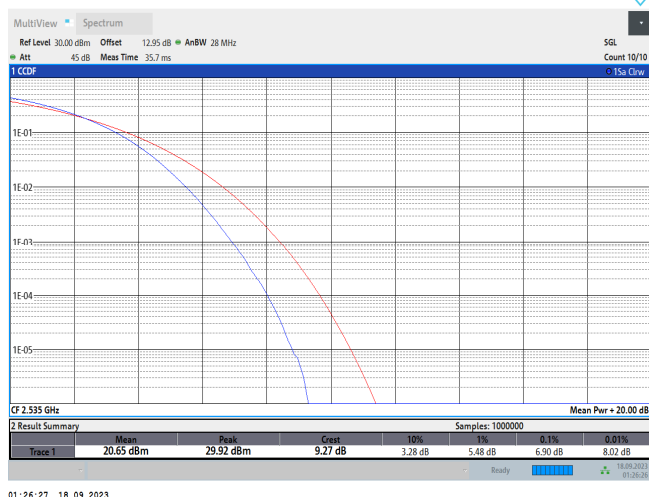
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7-7-20MHz-20MHz-16QAM-16QAM-21001-21199-100RB#0-100RB#0



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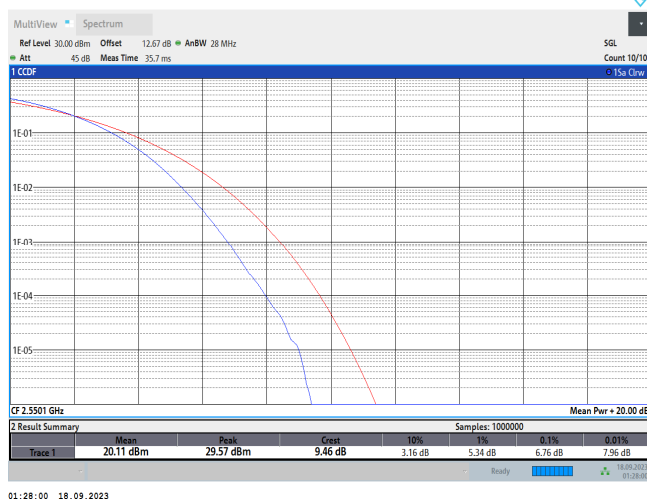
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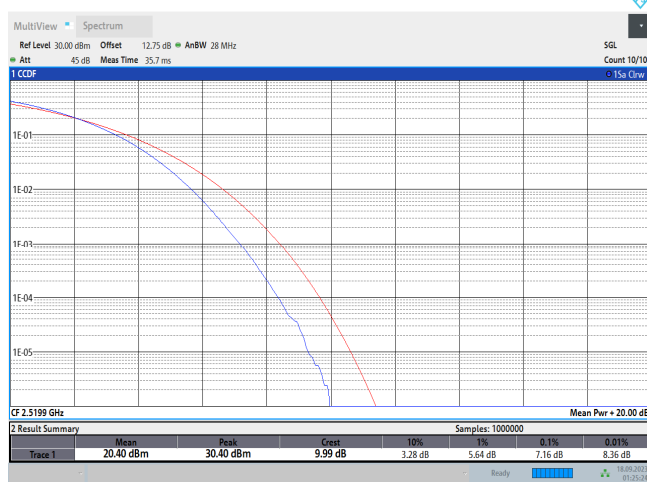
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### 7-7-20MHz-20MHz-16QAM-16QAM-21152-21350-100RB#0-100RB#0



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



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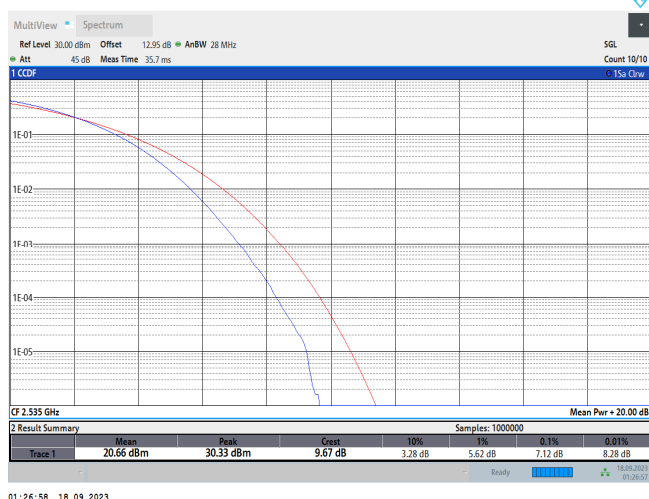
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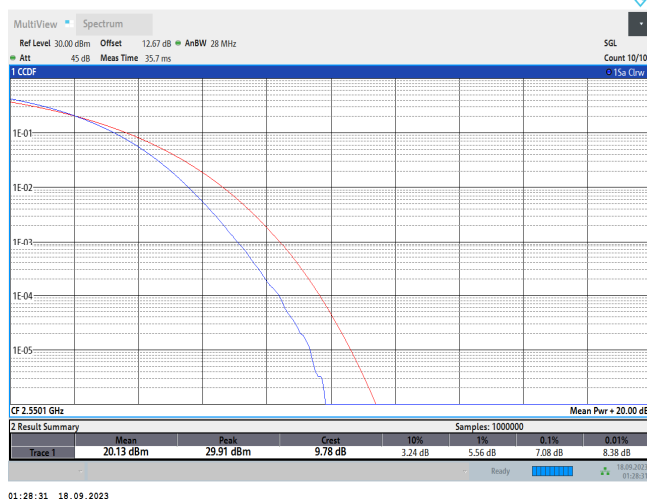
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## 26dB Bandwidth and Occupied Bandwidth

### 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	27.635	29.22	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	27.648	29.22	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	50RB#0-100RB#0	27.639	29.28	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	27.638	29.10	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	27.625	29.16	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	50RB#0-100RB#0	27.644	29.22	PASS
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	50RB#0-100RB#0	27.526	29.16	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	50RB#0-100RB#0	27.528	29.16	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	50RB#0-100RB#0	27.524	29.16	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	75RB#0-50RB#0	23.096	24.65	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	23.067	24.60	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	75RB#0-50RB#0	23.058	24.60	PASS
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	75RB#0-50RB#0	23.084	24.60	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	75RB#0-50RB#0	23.074	24.60	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	75RB#0-50RB#0	23.059	24.60	PASS
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	75RB#0-50RB#0	23.033	24.70	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	75RB#0-50RB#0	23.017	24.75	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	75RB#0-50RB#0	22.99	24.75	PASS
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	75RB#0-75RB#0	28.237	29.94	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	75RB#0-75RB#0	28.223	29.94	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	75RB#0-75RB#0	28.236	29.94	PASS
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	75RB#0-75RB#0	28.274	30.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	75RB#0-75RB#0	28.259	29.94	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	75RB#0-75RB#0	28.283	30.06	PASS
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	75RB#0-75RB#0	28.142	29.94	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	75RB#0-75RB#0	28.141	29.82	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	75RB#0-75RB#0	28.15	29.88	PASS
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	75RB#0-100RB#0	32.477	34.37	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	75RB#0-100RB#0	32.552	34.44	PASS



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7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	75RB#0-100RB#0	32.517	34.37	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	75RB#0-100RB#0	32.49	34.23	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	75RB#0-100RB#0	32.576	34.30	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	75RB#0-100RB#0	32.562	34.30	PASS
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	75RB#0-100RB#0	32.369	34.23	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	75RB#0-100RB#0	32.453	34.23	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	75RB#0-100RB#0	32.407	34.23	PASS
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	100RB#0-50RB#0	27.726	29.46	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	27.791	29.52	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	27.73	29.46	PASS
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	100RB#0-50RB#0	27.651	29.28	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	100RB#0-50RB#0	27.728	29.40	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	27.58	29.52	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	100RB#0-50RB#0	27.646	29.46	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	100RB#0-50RB#0	27.568	29.46	PASS
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	100RB#0-75RB#0	32.58	34.58	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	32.546	34.44	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	100RB#0-75RB#0	32.613	34.58	PASS
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	100RB#0-75RB#0	32.531	34.44	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	100RB#0-75RB#0	32.572	34.44	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	100RB#0-75RB#0	32.555	34.44	PASS
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	100RB#0-75RB#0	32.403	34.30	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	100RB#0-75RB#0	32.442	34.37	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	100RB#0-75RB#0	32.439	34.30	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	37.568	40.48	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	37.668	40.56	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	37.703	40.56	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	100RB#0-100RB#0	37.559	40.24	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	100RB#0-100RB#0	37.636	40.16	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	100RB#0-100RB#0	37.689	40.24	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	100RB#0-100RB#0	37.367	40.08	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	100RB#0-100RB#0	37.458	40.24	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	100RB#0-100RB#0	37.5	40.24	PASS



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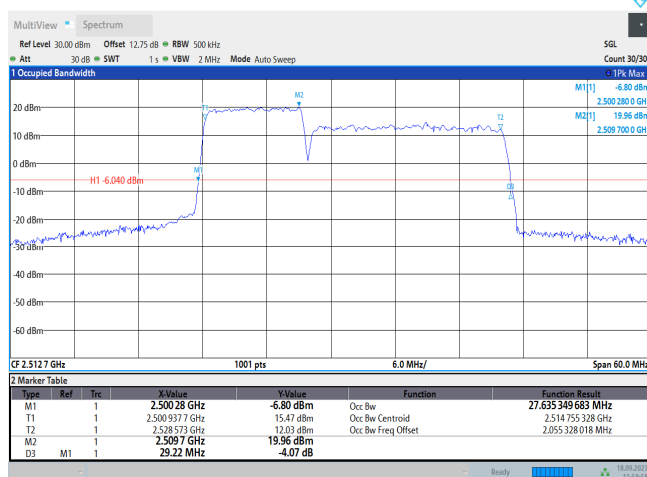
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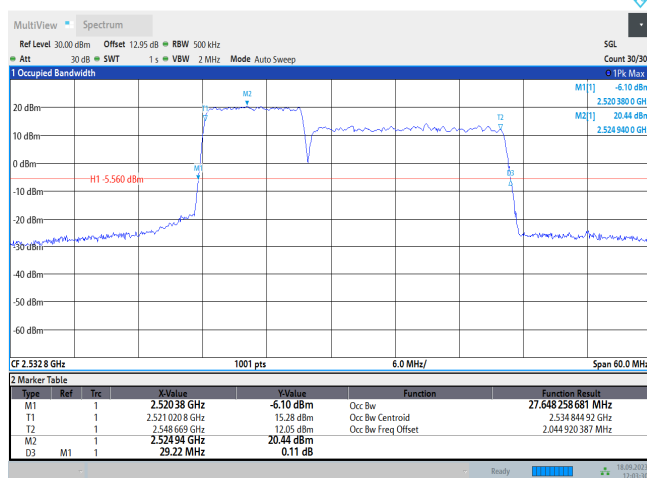
## Test Graphs

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



11:58:59 18.09.2023

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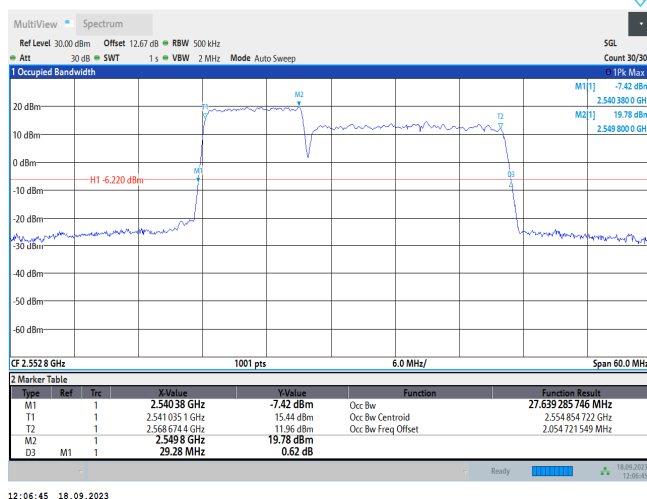
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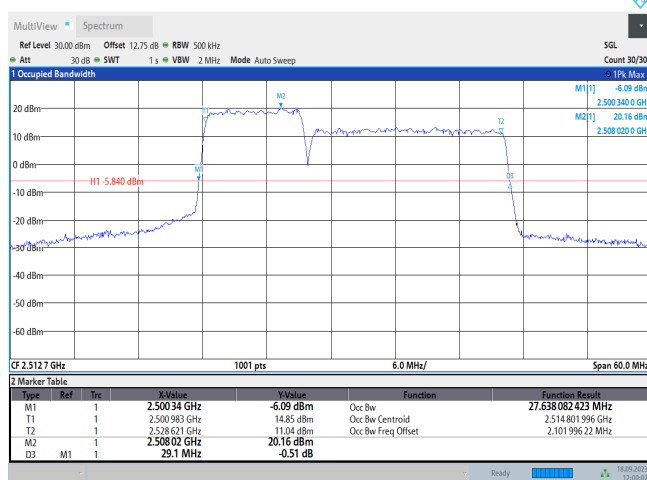
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12:06:45 18.09.2023

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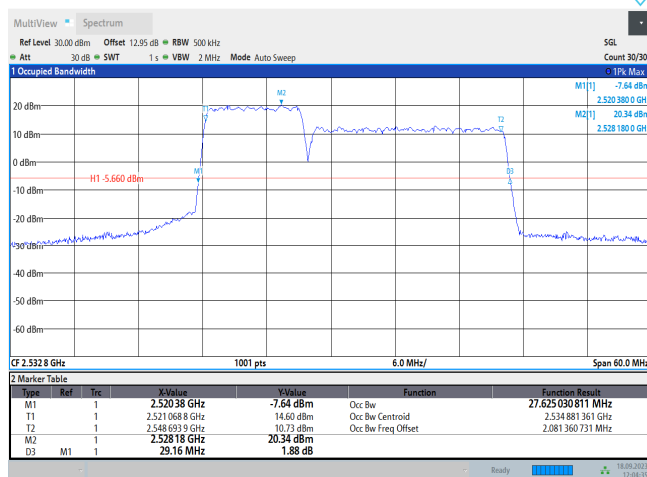
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7-7-10MHz-20MHz-16QAM-16QAM-21006-21150-50RB#0-100RB#0



12:04:35 18.09.2023



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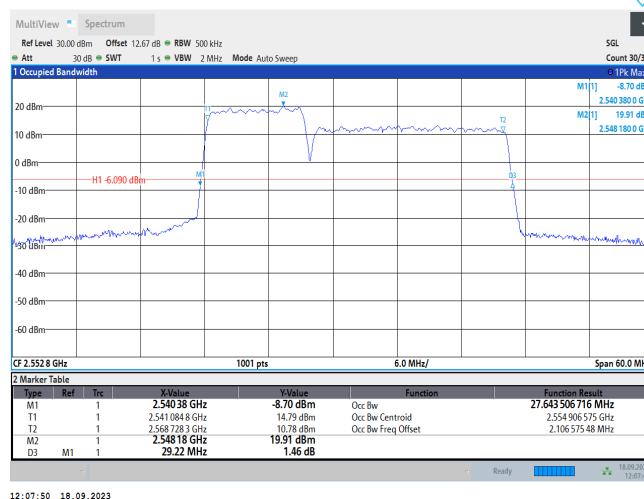


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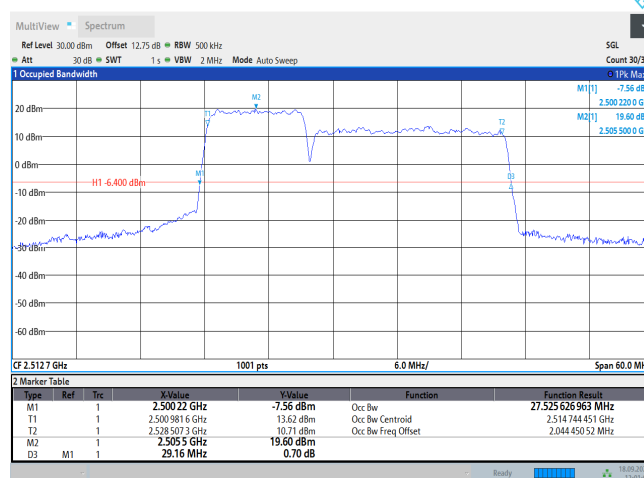
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## 7-7-10MHz-20MHz-16QAM-16QAM-21206-21350-50RB#0-100RB#0



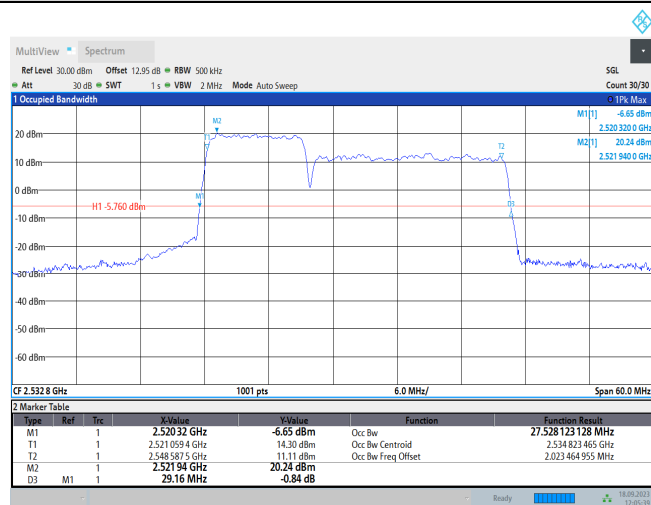
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12:01:07 18.09.2023

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



12:05:40 18 09 2023



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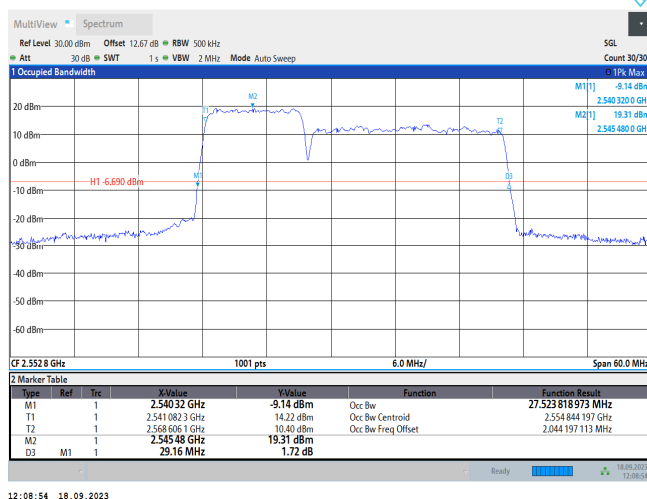
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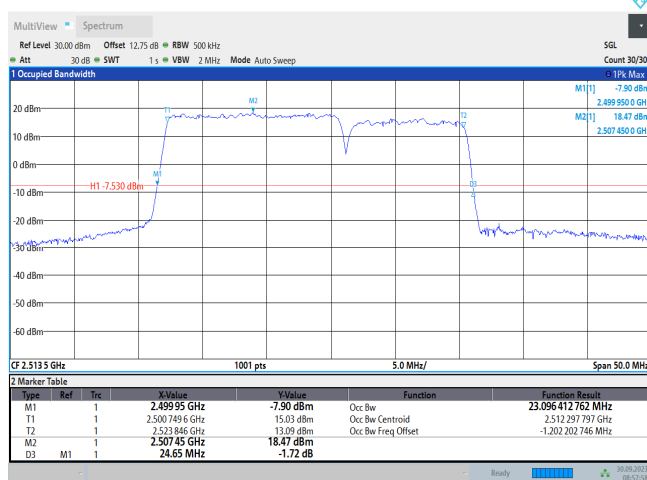
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## 7-7-10MHz-20MHz-64QAM-64QAM-21206-21350-50RB#0-100RB#0



12:08:54 18.09.2023

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



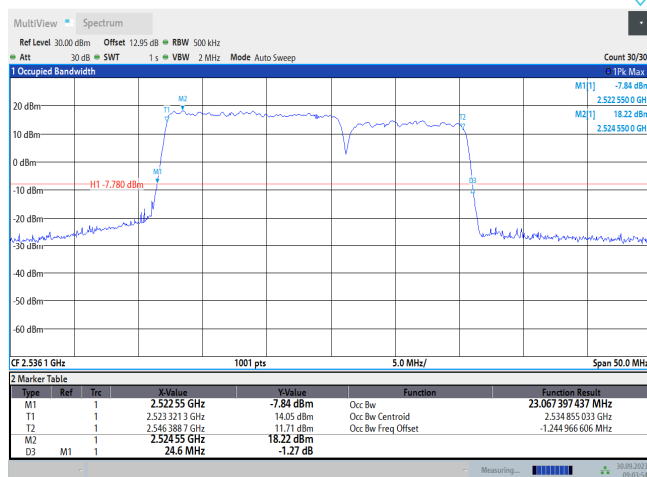
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7-7-15MHz-10MHz-QPSK-QPSK-21051-21171-75RB#0-50RB#0



09:03:55 30.09.2023



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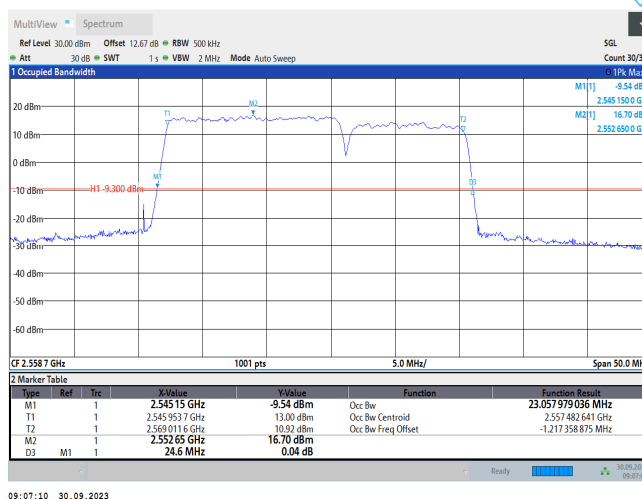
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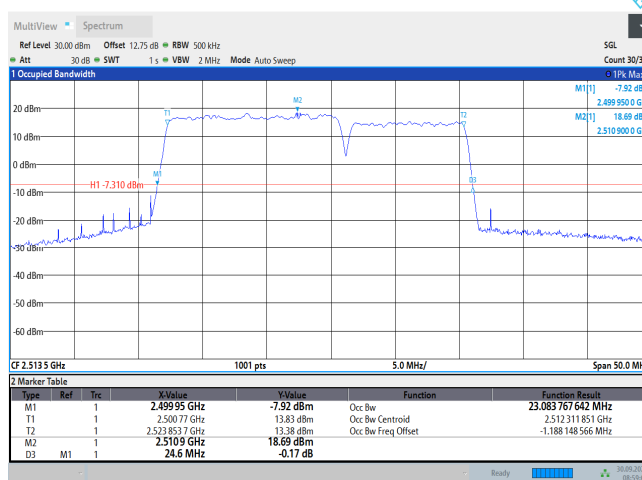
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### 7-7-15MHz-10MHz-QPSK-QPSK-21277-21397-75RB#0-50RB#0



09:07:10 30.09.2023

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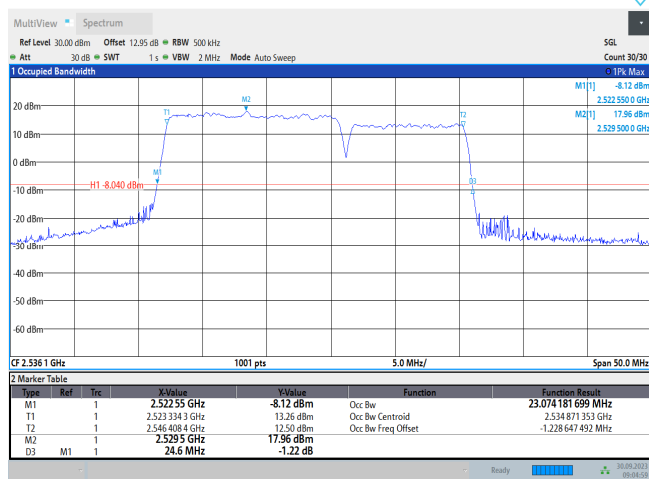


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7-7-15MHz-10MHz-16QAM-16QAM-21051-21171-75RB#0-50RB#0



09:05:00 30.09.2023



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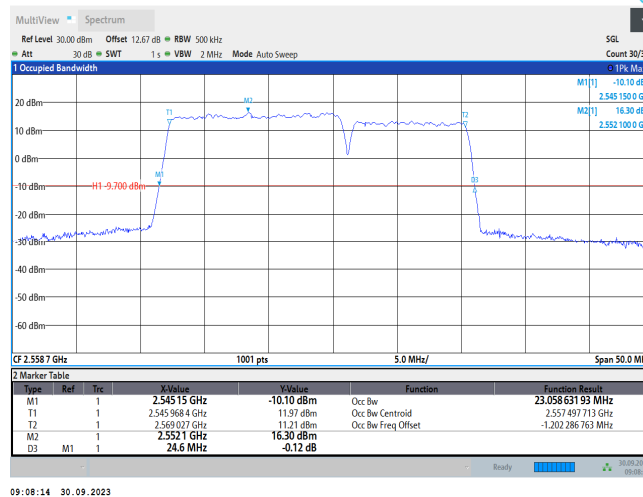
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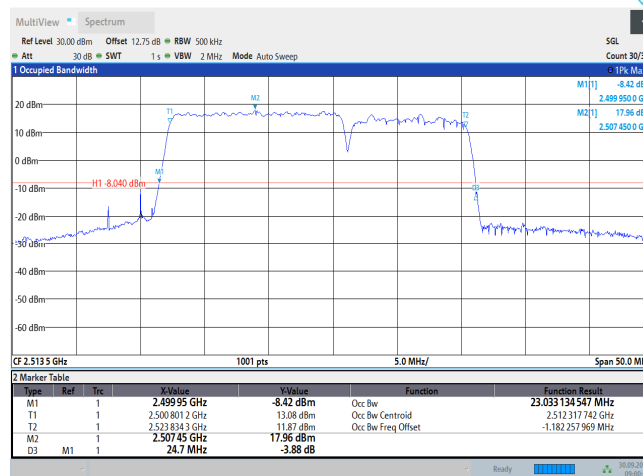
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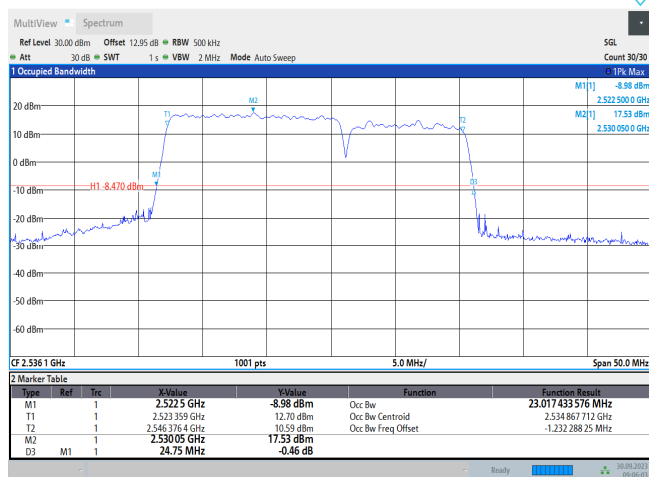
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7-7-15MHz-10MHz-64QAM-64QAM-21051-21171-75RB#0-50RB#0



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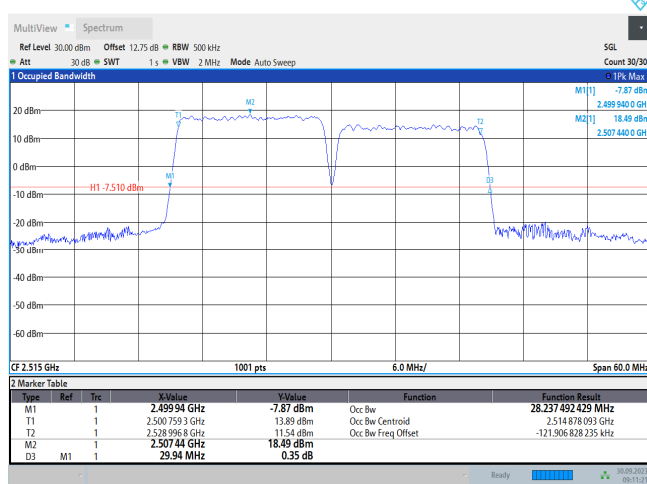
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### 7-7-15MHz-10MHz-64QAM-64QAM-21277-21397-75RB#0-50RB#0



09:09:19 30.09.2023

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



09:11:22 30.09.2023



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



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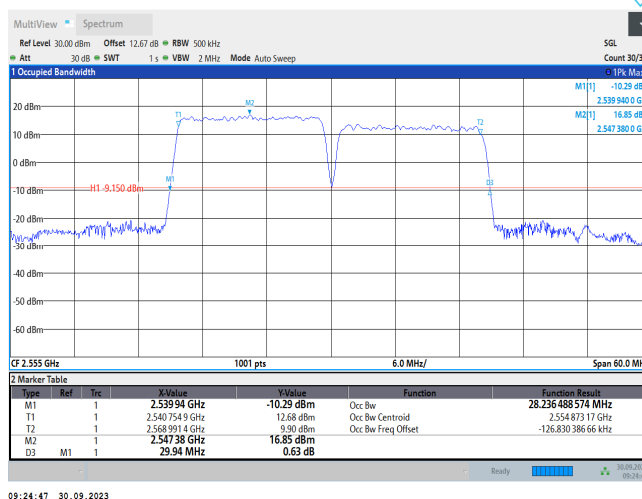


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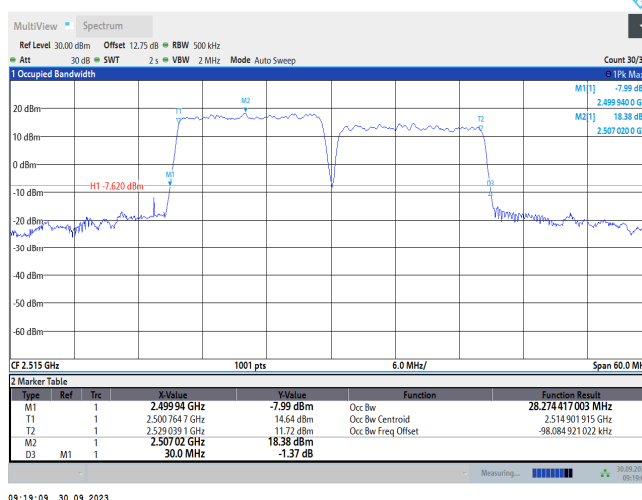
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## 7-7-15MHz-15MHz-QPSK-QPSK-21225-21375-75RB#0-75RB#0



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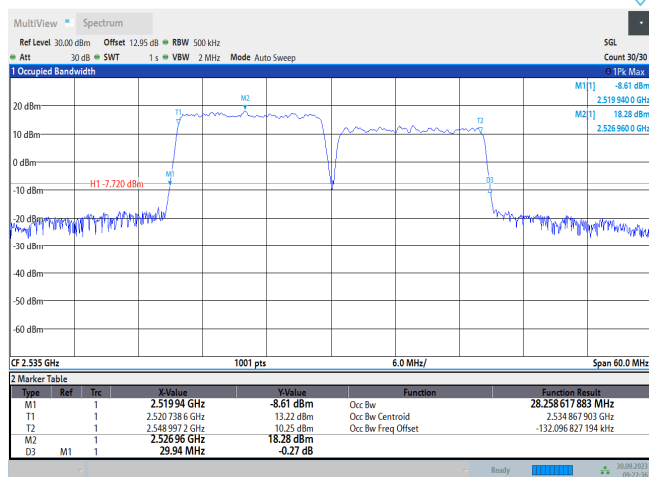


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7-7-15MHz-15MHz-16QAM-16QAM-21025-21175-75RB#0-75RB#0



09:22:36 30.09.2023



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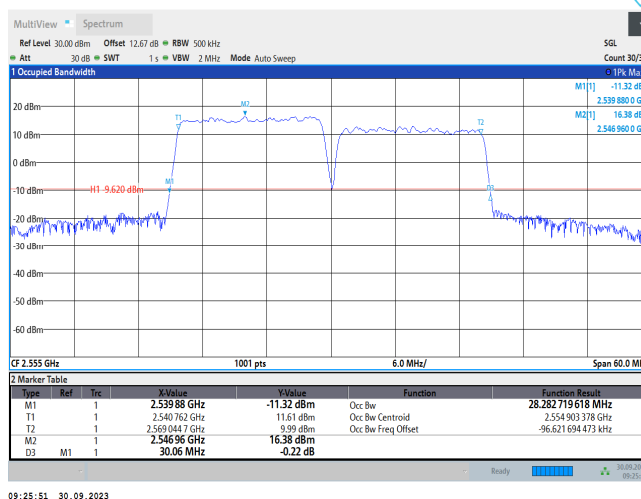
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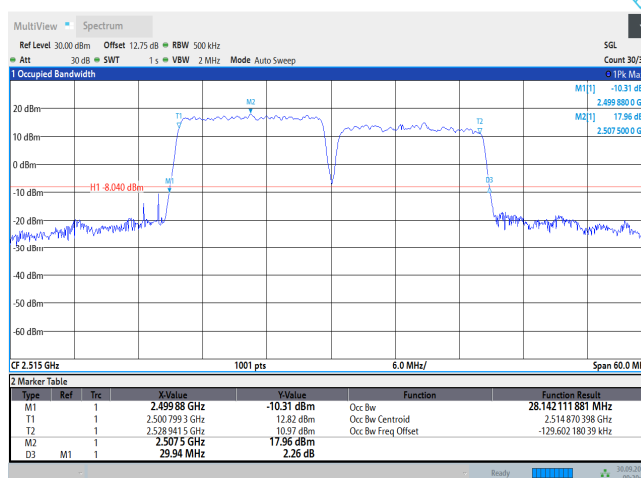
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## 7-7-15MHz-15MHz-16QAM-16QAM-21225-21375-75RB#0-75RB#0



09:25:51 30.09.2023

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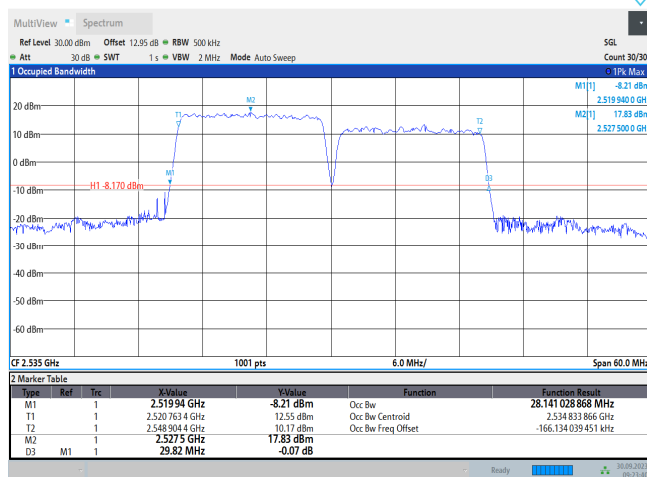
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7-7-15MHz-15MHz-64QAM-64QAM-21025-21175-75RB#0-75RB#0



09:23:41 30.09.2023



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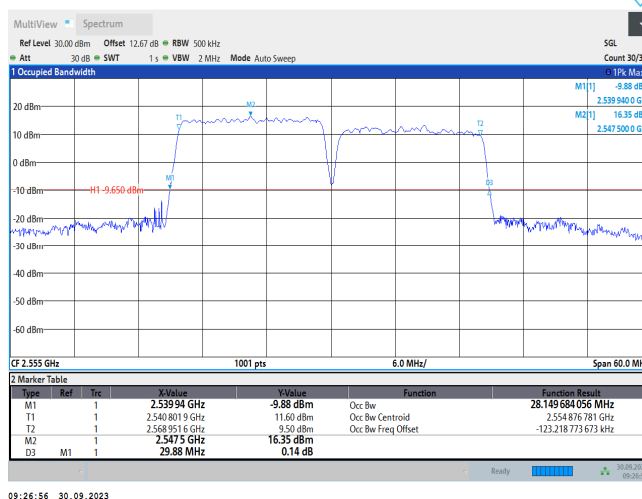
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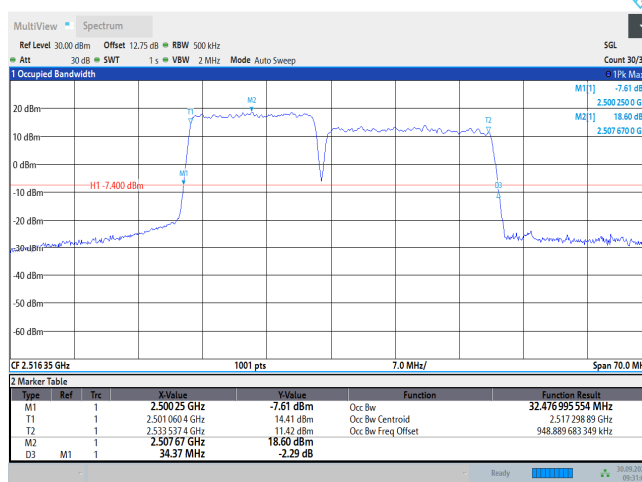
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### 7-7-15MHz-15MHz-64QAM-64QAM-21225-21375-75RB#0-75RB#0



09:26:56 30.09.2023

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09:31:01 30.09.2023

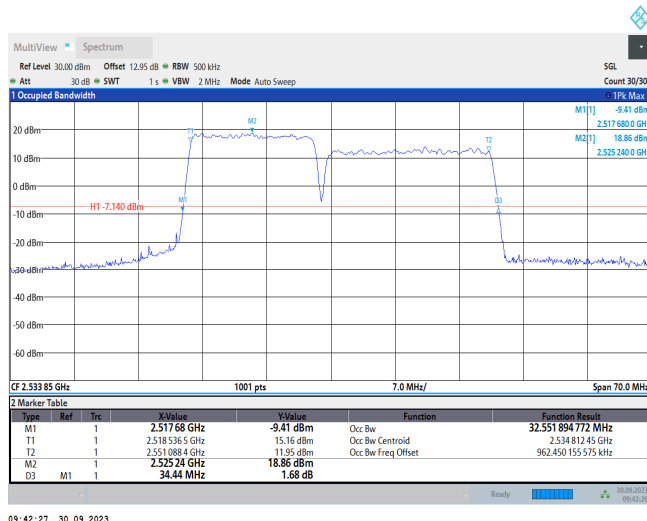


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7-7-15MHz-20MHz-QPSK-QPSK-21003-21174-75RB#0-100RB#0



Report No.: XEWM2309000451RG01

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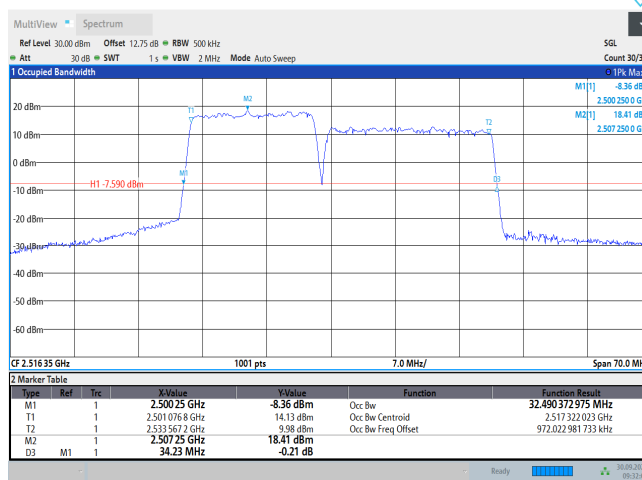
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09:46:15 30.09.2023

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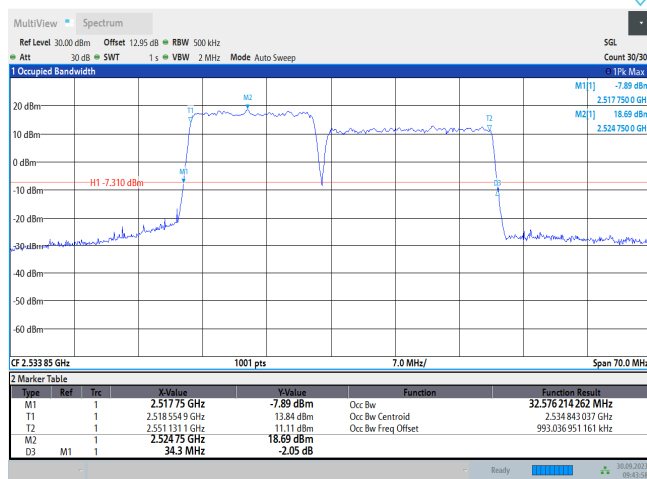
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7-7-15MHz-20MHz-16QAM-16QAM-21003-21174-75RB#0-100RB#0



09:43:58 30.09.2023



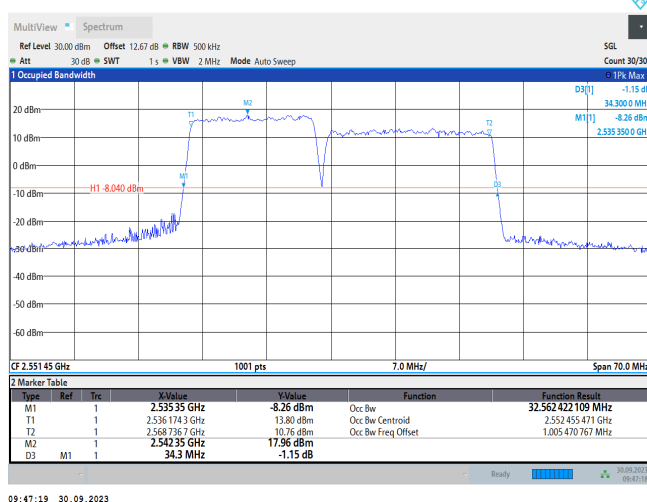
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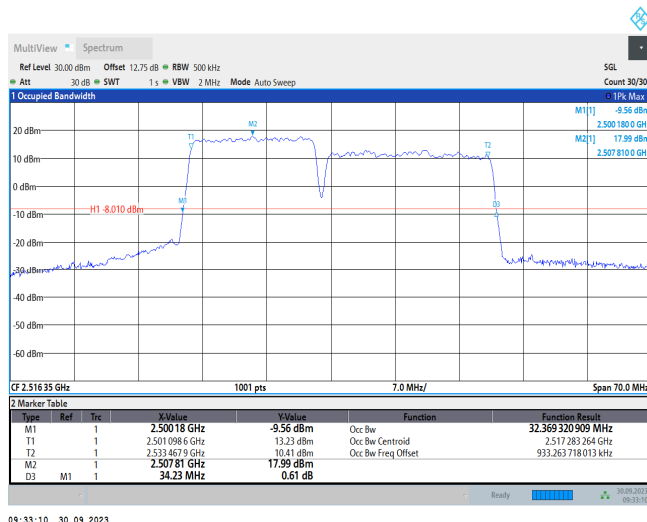
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7-7-15MHz-20MHz-64QAM-64QAM-20828-20999-75RB#0-100RB#0



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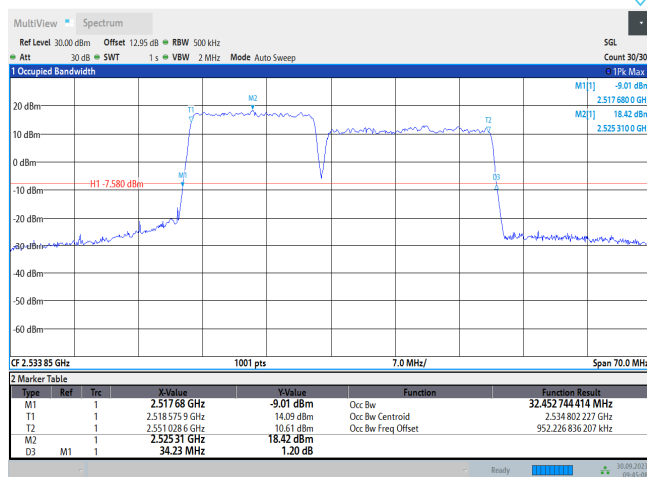
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7-7-15MHz-20MHz-64QAM-64QAM-21003-21174-75RB#0-100RB#0



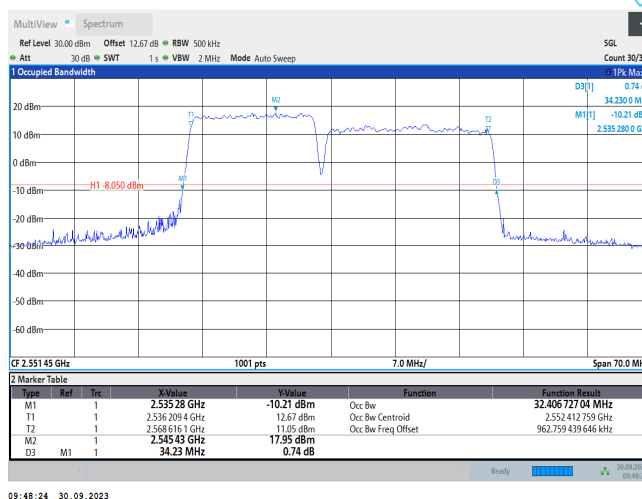


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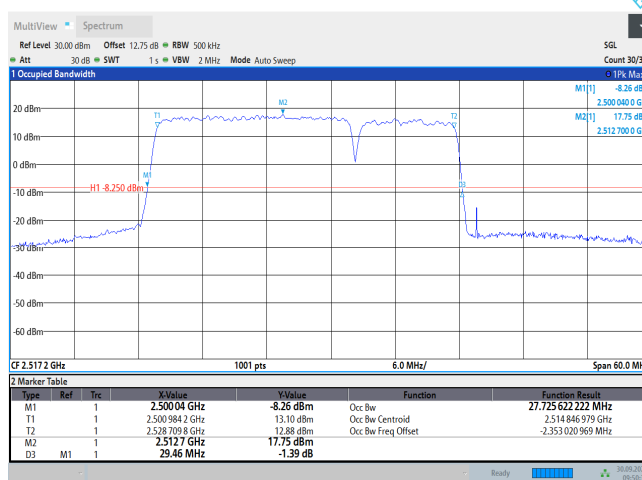
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## 7-7-15MHz-20MHz-64QAM-64QAM-21179-21350-75RB#0-100RB#0



09:48:24 30.09.2023

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09:50:31 30.09.2023

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



09:56:33 30.09.2023



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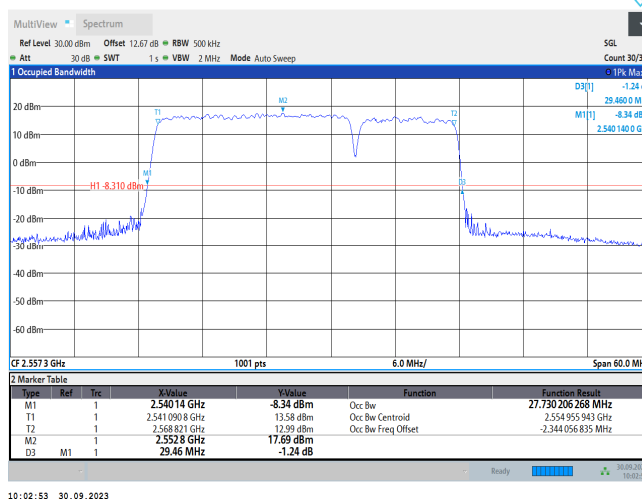
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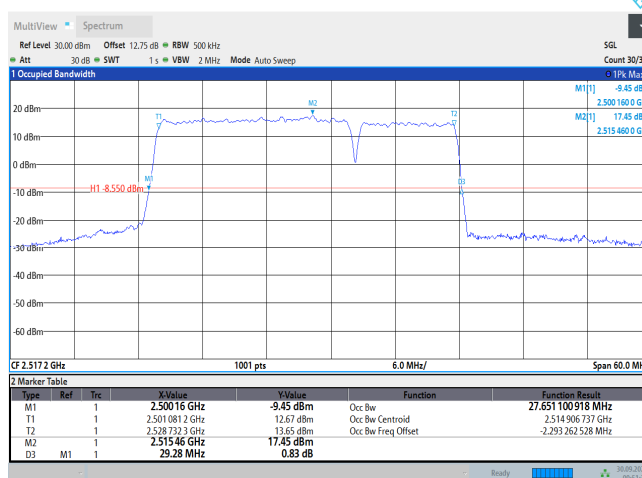
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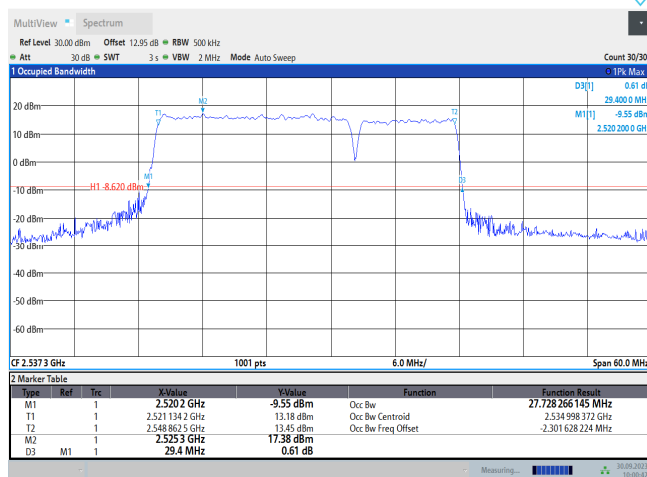
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10:00:43 30.09.2023



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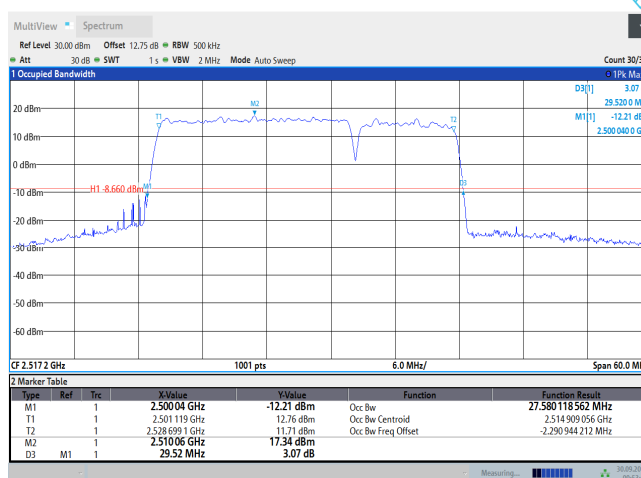
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10:05:49 30.09.2023

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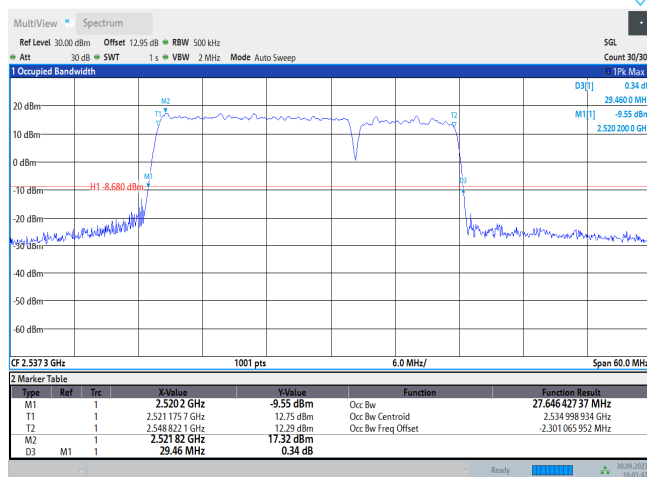


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7-7-20MHz-10MHz-64QAM-64QAM-21051-21195-100RB#0-50RB#0



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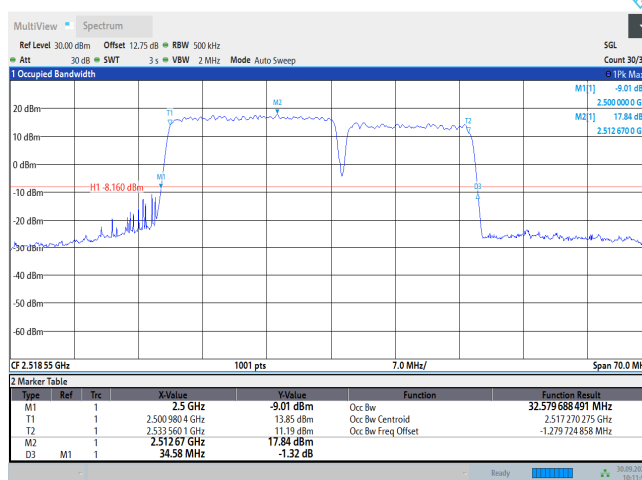
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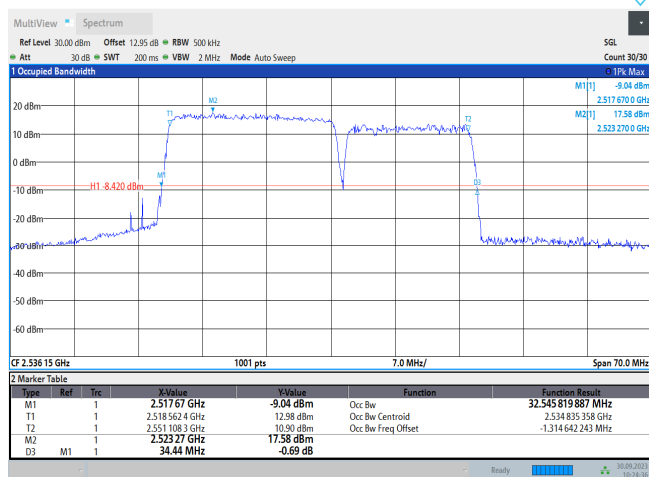
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7-7-20MHz-15MHz-QPSK-QPSK-21026-21197-100RB#0-75RB#0



10:24:37 30.09.2023



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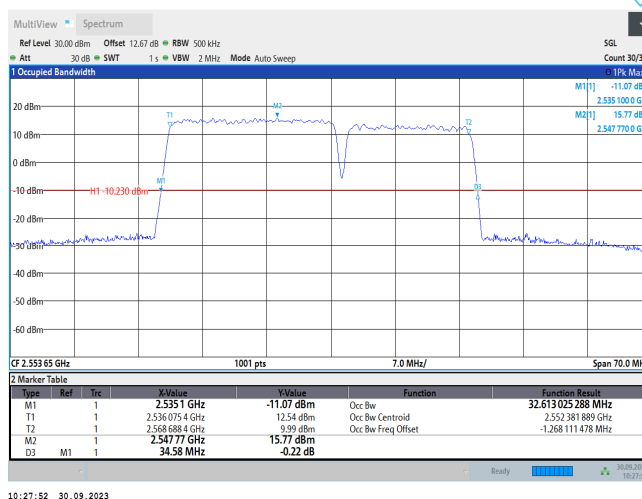
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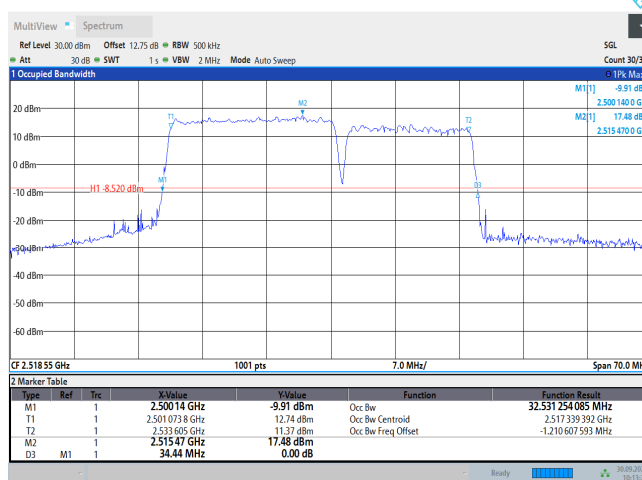
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10:27:52 30.09.2023

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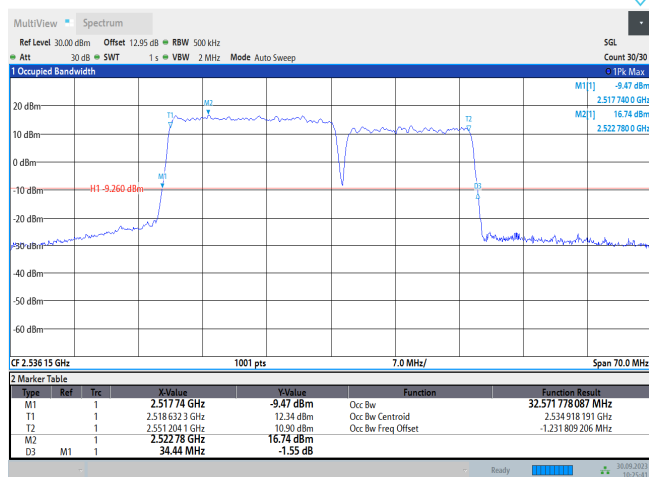


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10:25:42 30.09.2023



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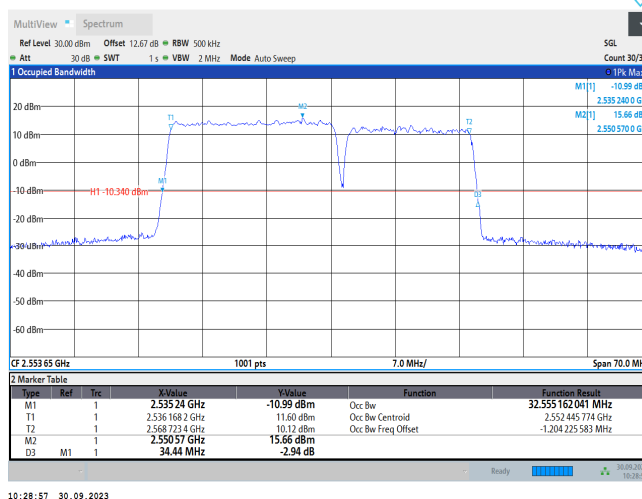


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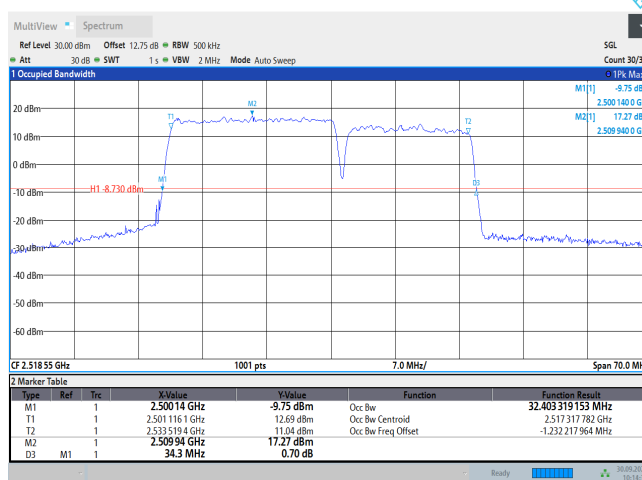
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### 7-7-20MHz-15MHz-16QAM-16QAM-21201-21372-100RB#0-75RB#0



10:28:57 30.09.2023

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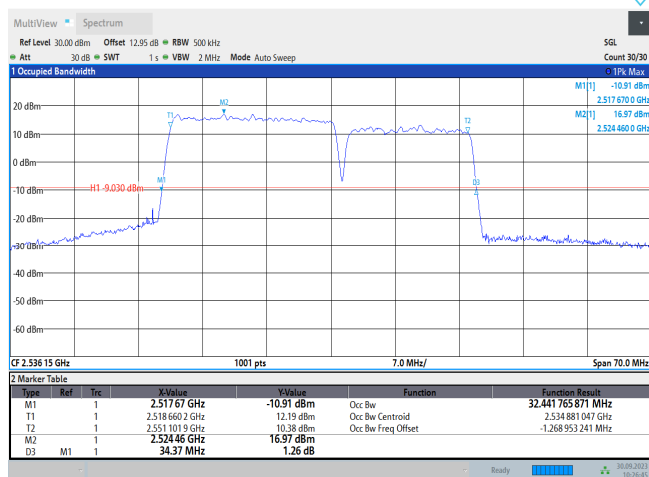


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7-7-20MHz-15MHz-64QAM-64QAM-21026-21197-100RB#0-75RB#0



10:26:46 30.09.2023



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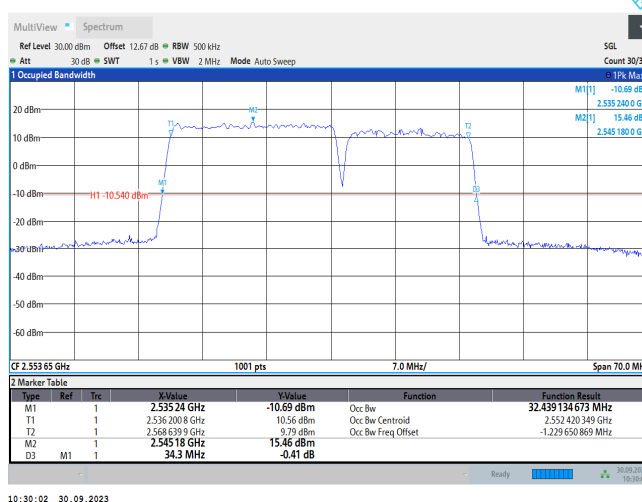
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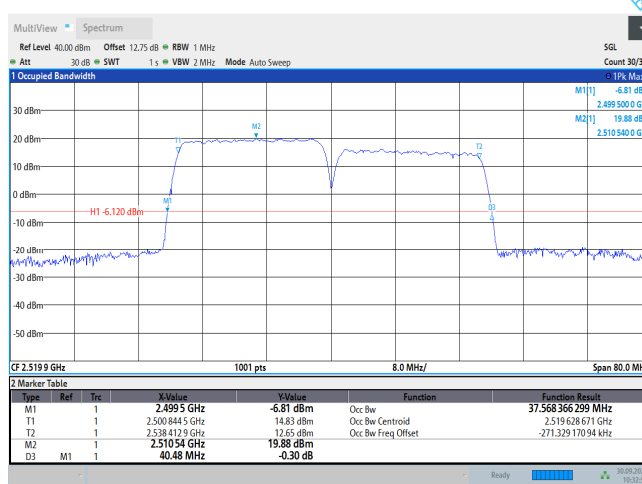
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## 7-7-20MHz-15MHz-64QAM-64QAM-21201-21372-100RB#0-75RB#0



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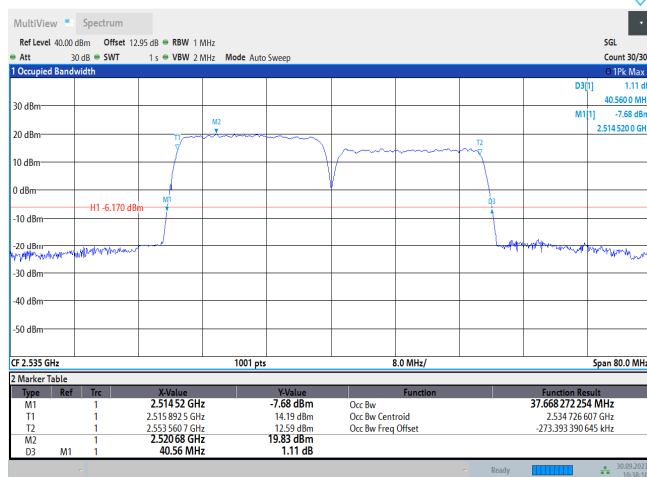
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7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-100RB#0-100RB#0

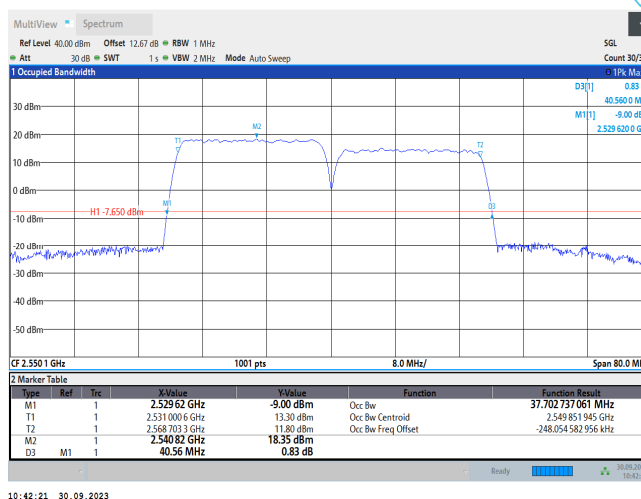


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## 7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-100RB#0-100RB#0



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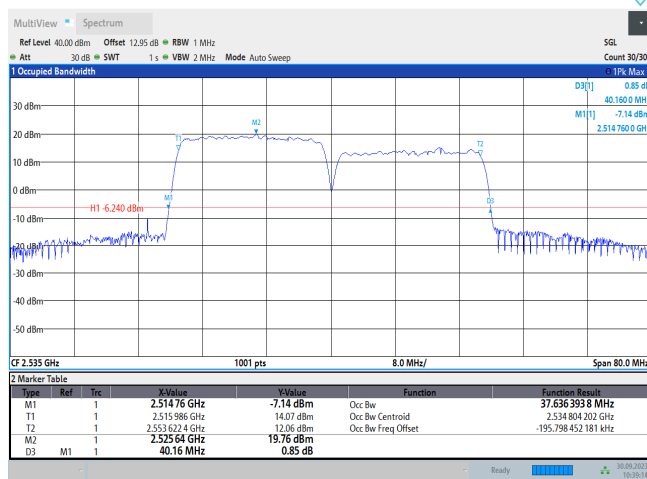


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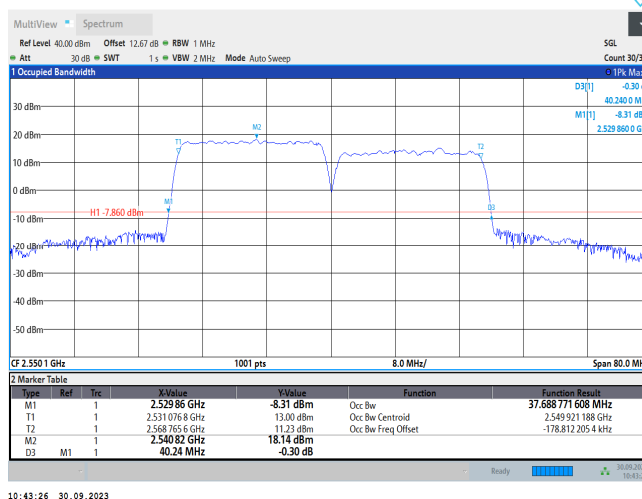


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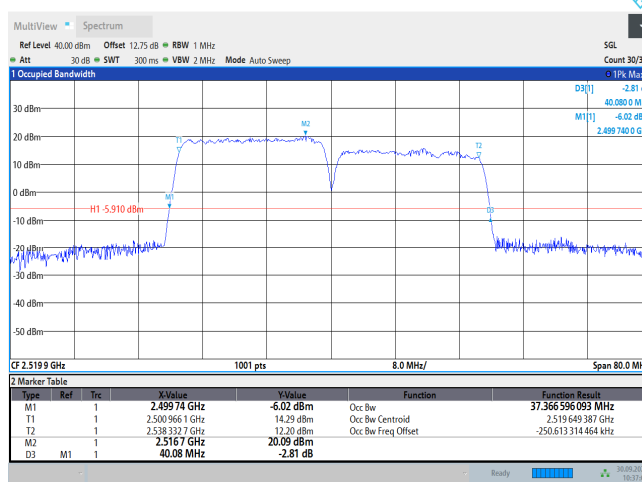
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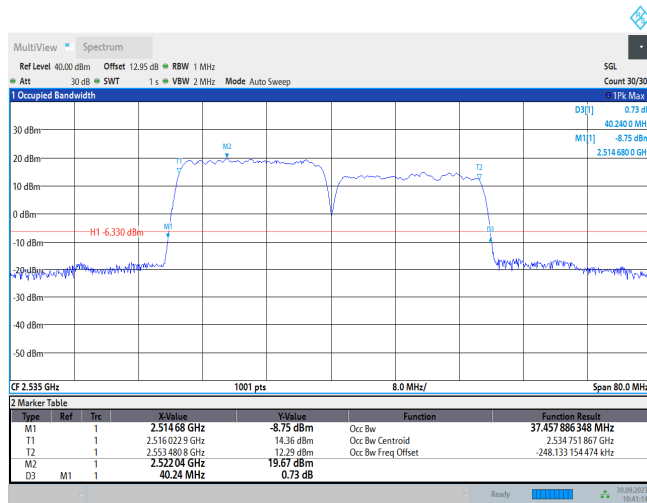
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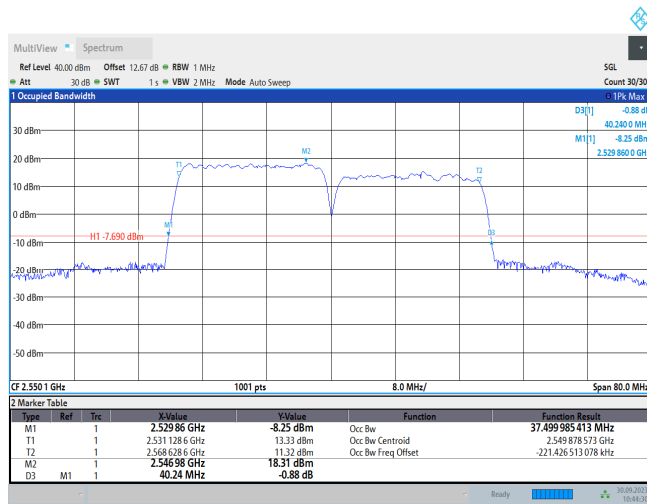
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### 7-7-20MHz-20MHz-64QAM-64QAM-21001-21199-100RB#0-100RB#0



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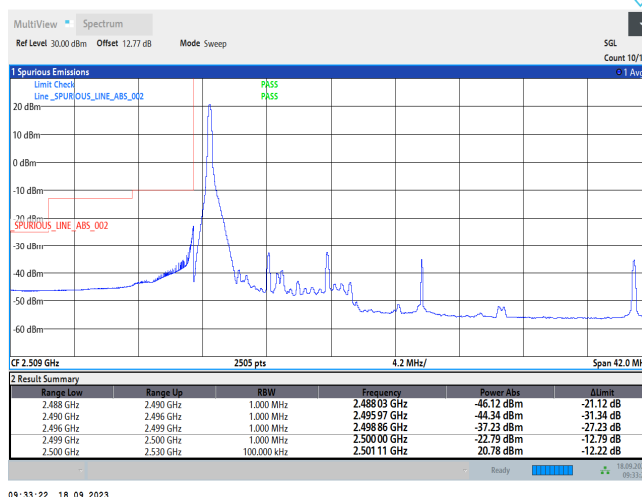
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### Band Edge

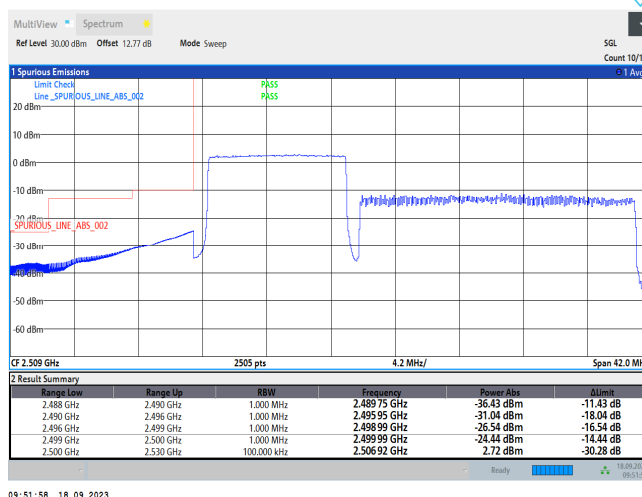
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#### 7-7-10MHz-20MHz-QPSK-QPSK-20805-20949-1RB#0-0RB#0



09:33:22 18.09.2023

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09:51:58 18.09.2023



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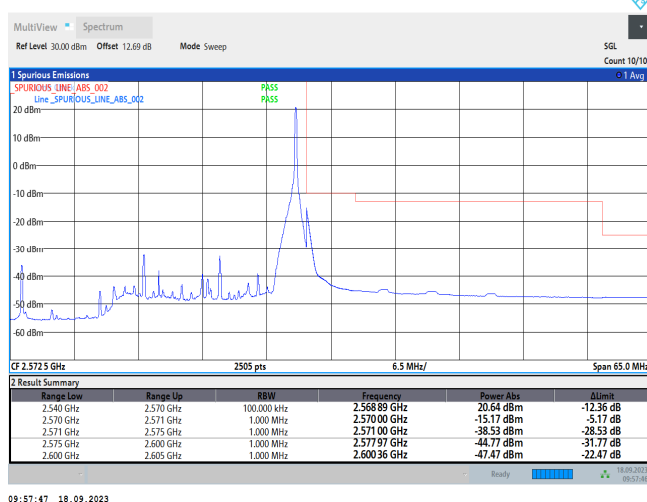
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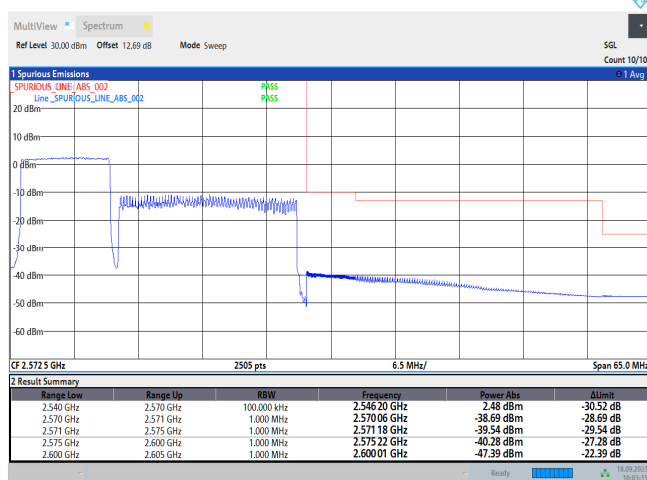
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### 7-7-10MHz-20MHz-QPSK-QPSK-21206-21350-0RB#0-1RB#99



09:57:47 18.09.2023

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10:03:15 18.09.2023



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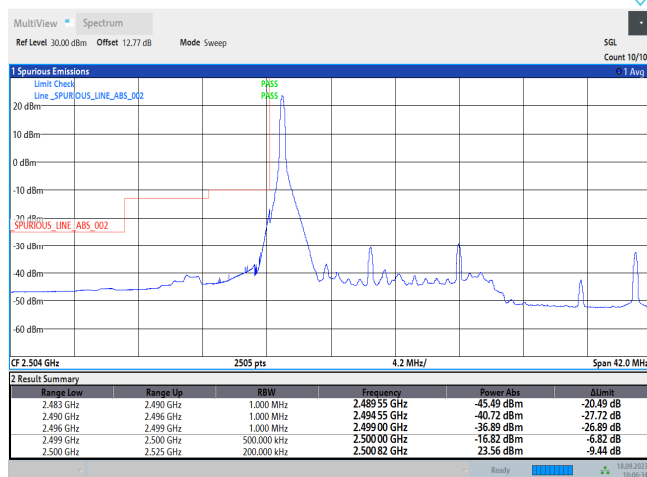
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7-7-15MHz-10MHz-QPSK-QPSK-20825-20945-1RB#0-0RB#0



10:06:34 18.09.2023



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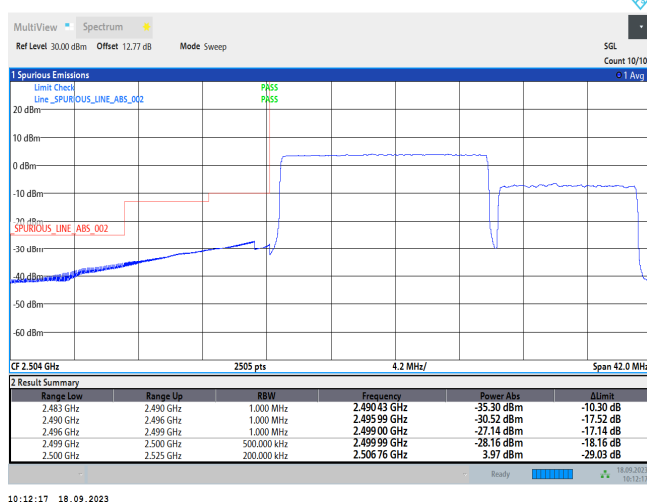
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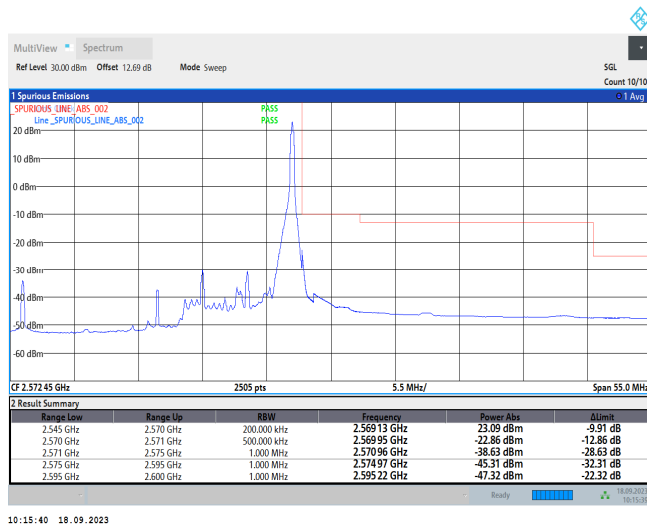
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## 7-7-15MHz-10MHz-QPSK-QPSK-20825-20945-75RB#0-50RB#0



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



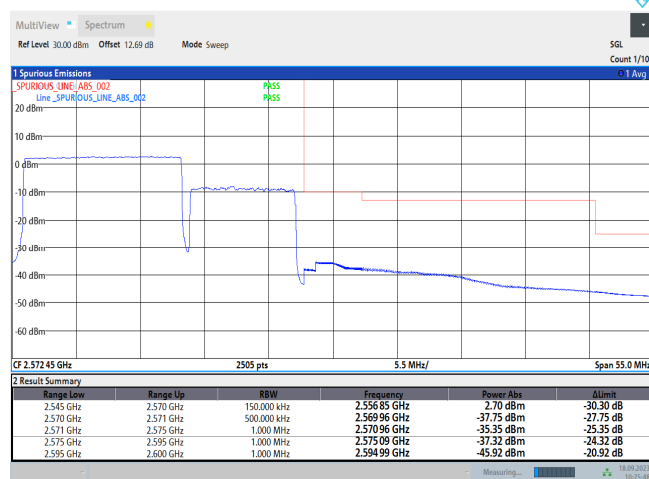


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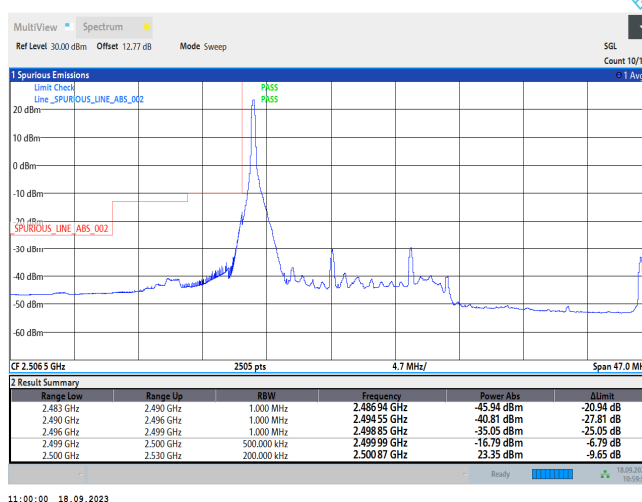


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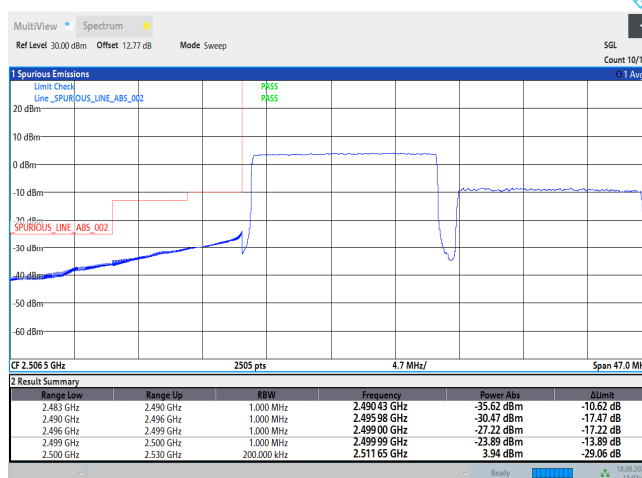
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11:00:00 18.09.2023

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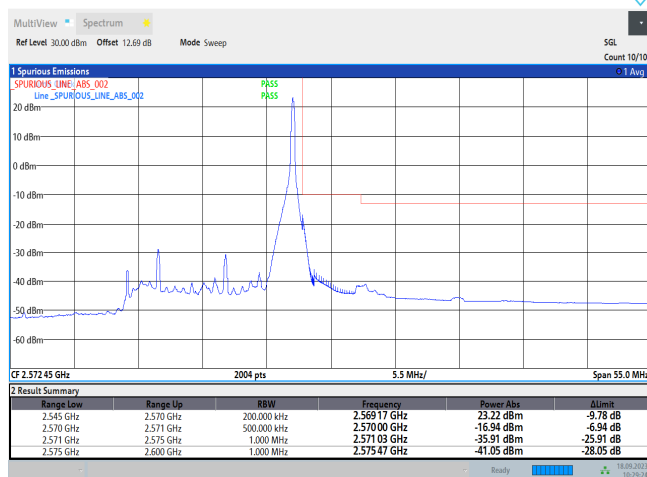
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### 7-7-15MHz-15MHz-QPSK-QPSK-21225-21375-0RB#0-1RB#74



10:29:25 18.09.2023



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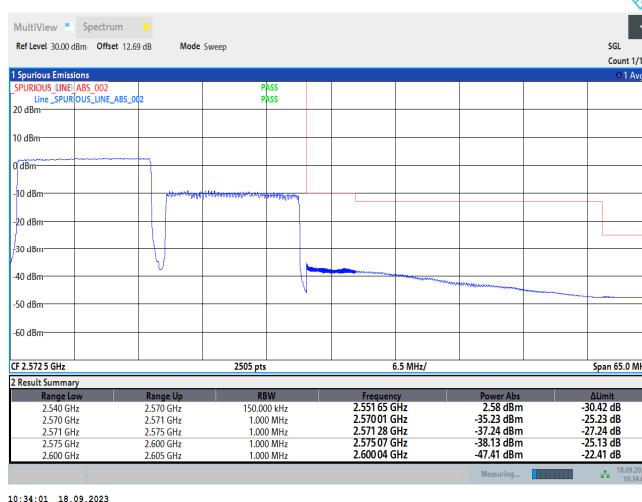
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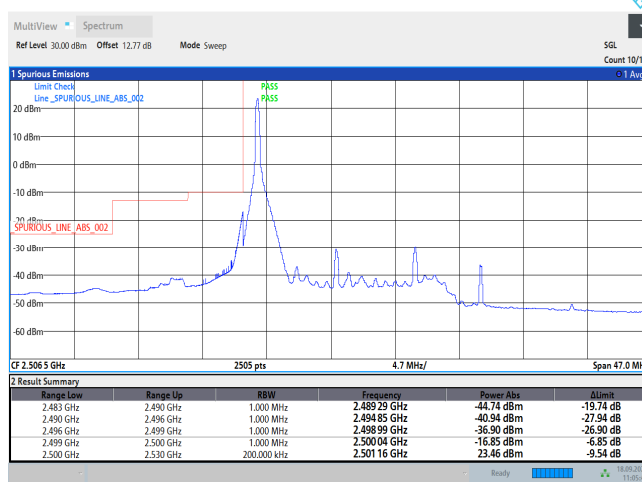
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10:34:01 18.09.2023

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11:05:41 18.09.2023



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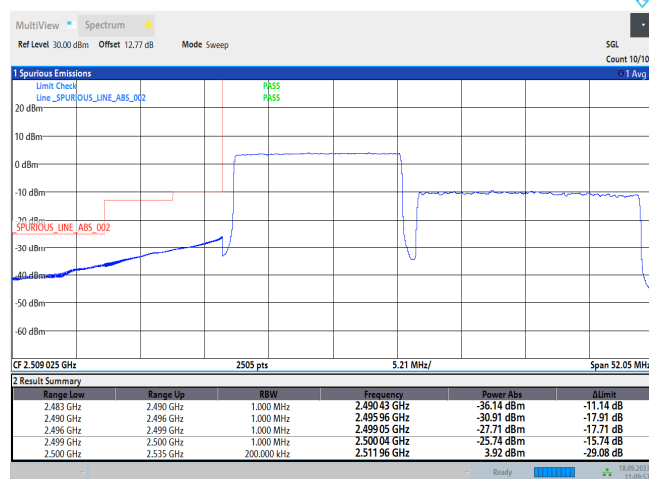
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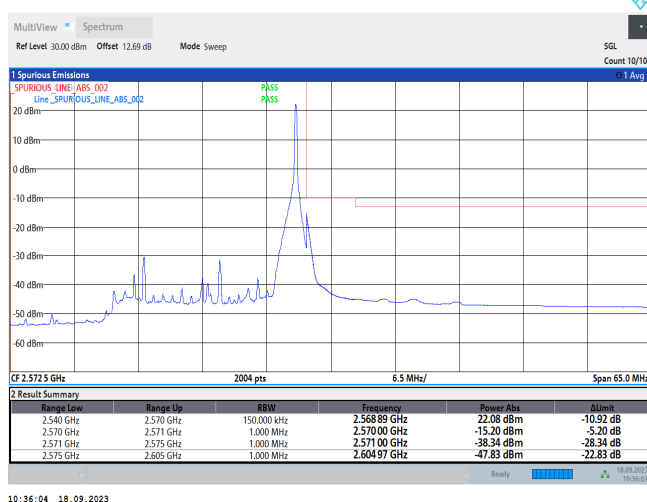


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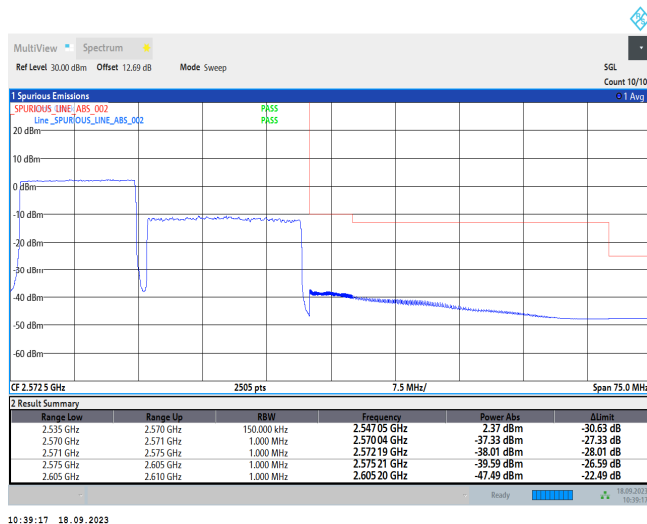
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## 7-7-15MHz-20MHz-QPSK-QPSK-21179-21350-0RB#0-1RB#99



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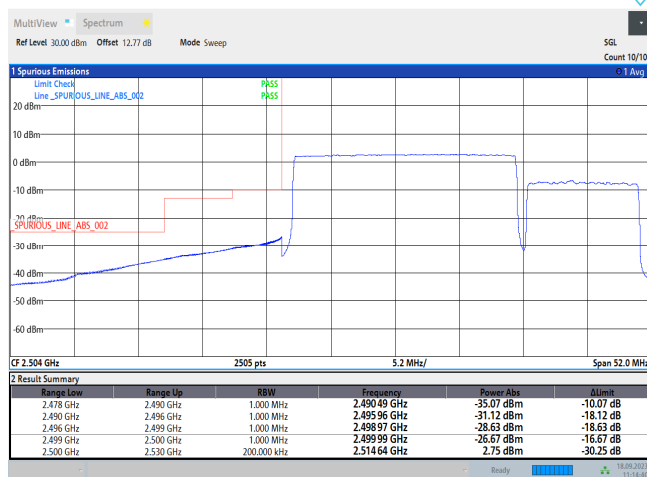


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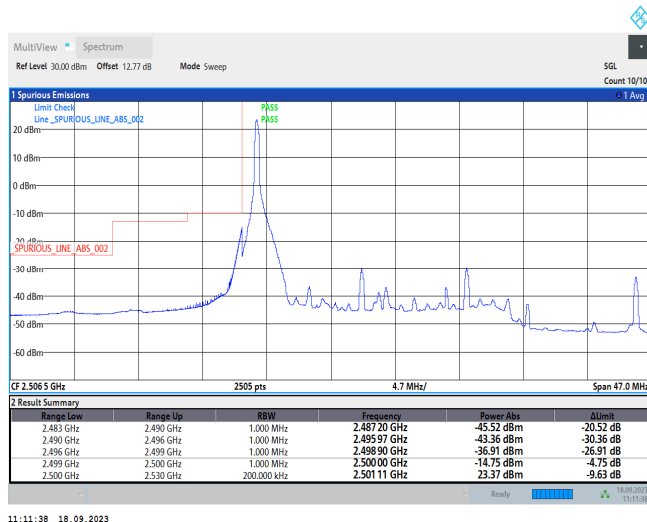


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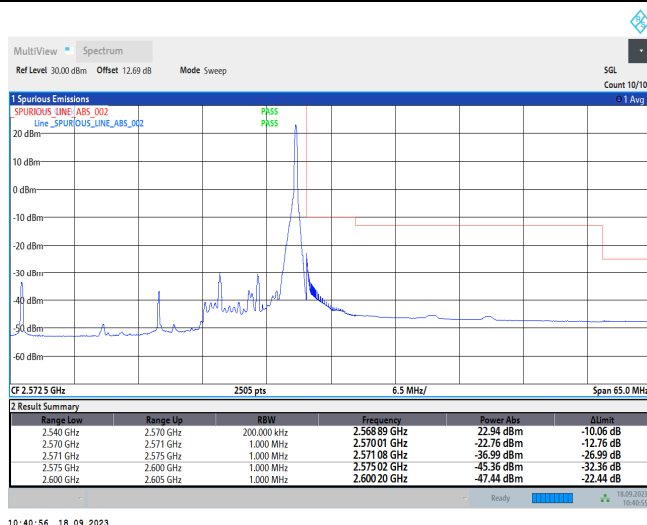
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## 7-7-20MHz-10MHz-QPSK-QPSK-20850-20994-1RB#0-0RB#0



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

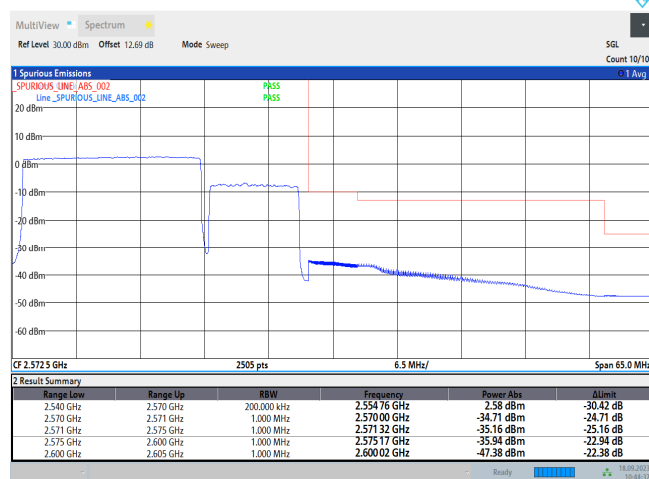


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7-7-20MHz-10MHz-QPSK-QPSK-21251-21395-100RB#0-50RB#0

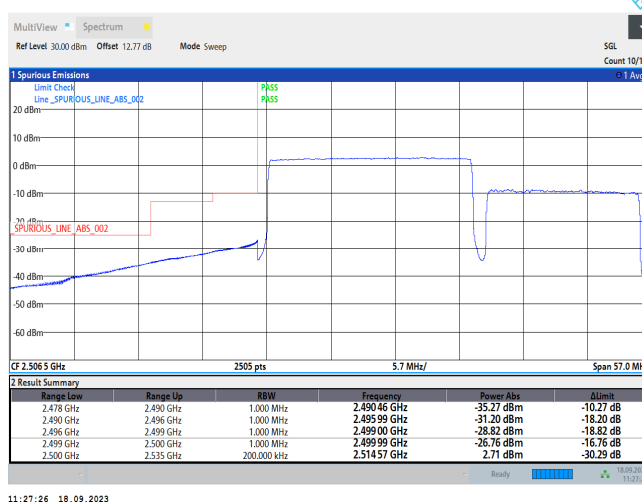


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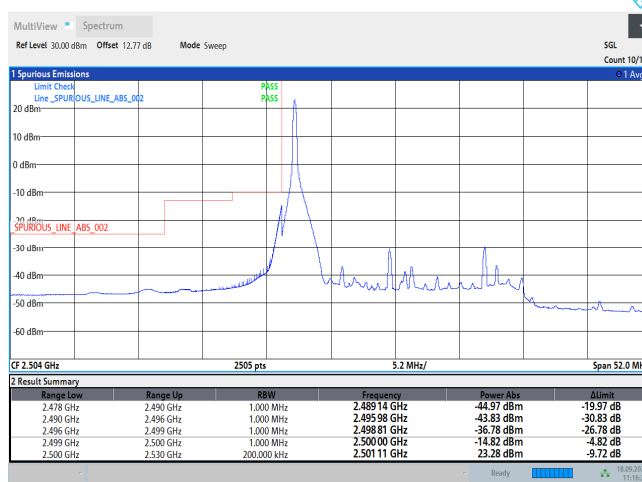
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### 7-7-20MHz-15MHz-QPSK-QPSK-20850-21021-100RB#0-75RB#0



11:27:26 18.09.2023

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11:16:21 18.09.2023



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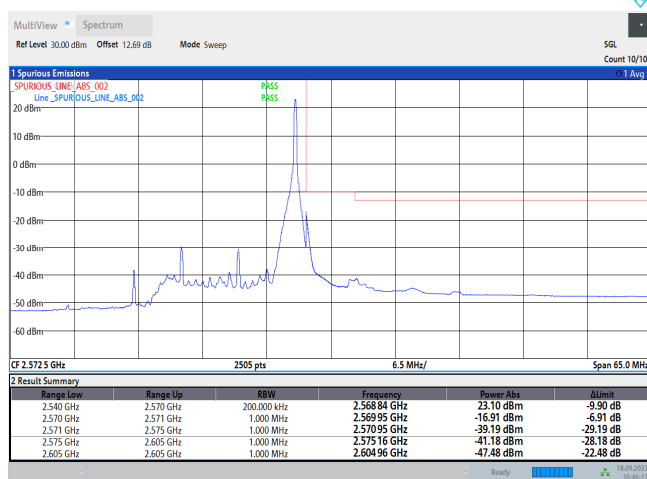
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7-7-20MHz-15MHz-QPSK-QPSK-21201-21372-0RB#0-1RB#74

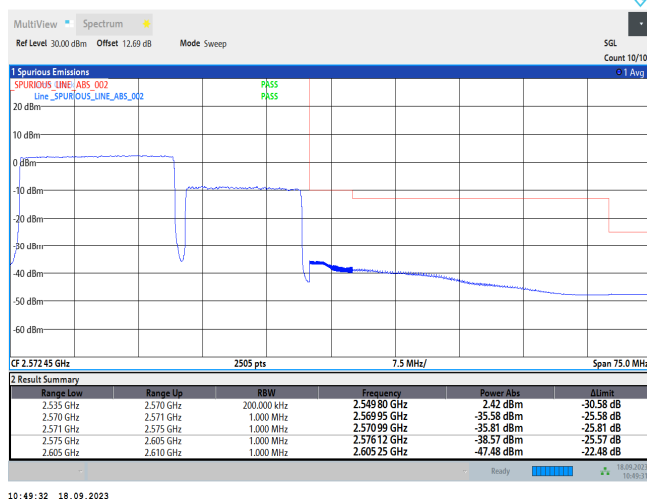


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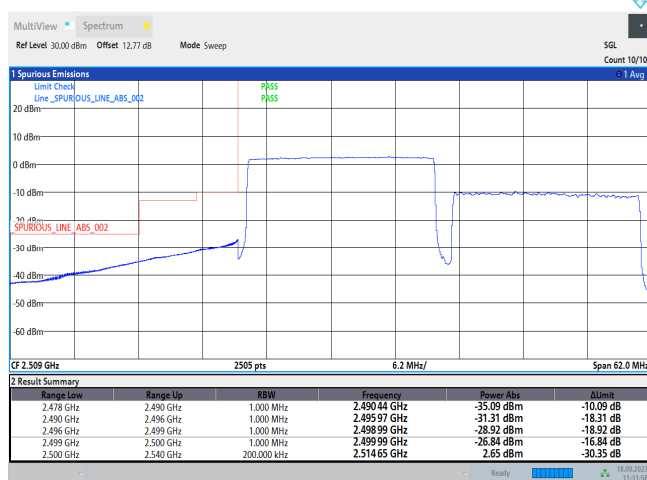
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### 7-7-20MHz-15MHz-QPSK-QPSK-21201-21372-100RB#0-75RB#0



10:49:32 18.09.2023

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11:31:59 18.09.2023



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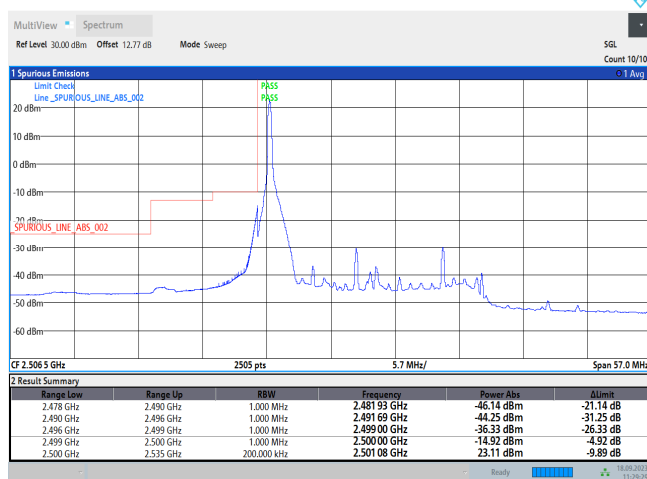


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7-7-20MHz-20MHz-QPSK-QPSK-20850-21048-1RB#0-0RB#0



11:29:30 18.09.2023



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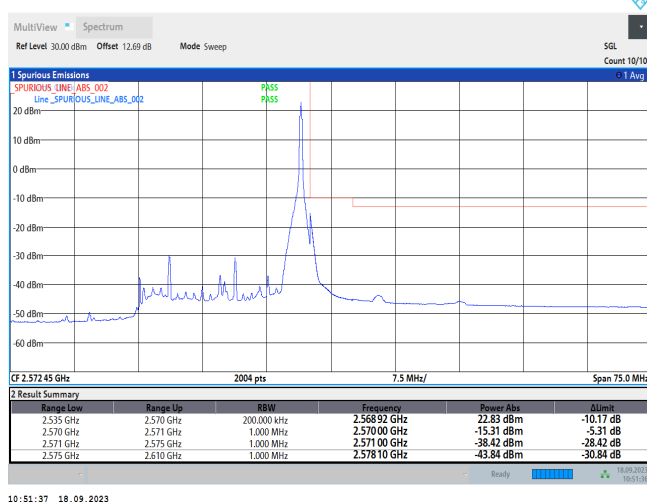
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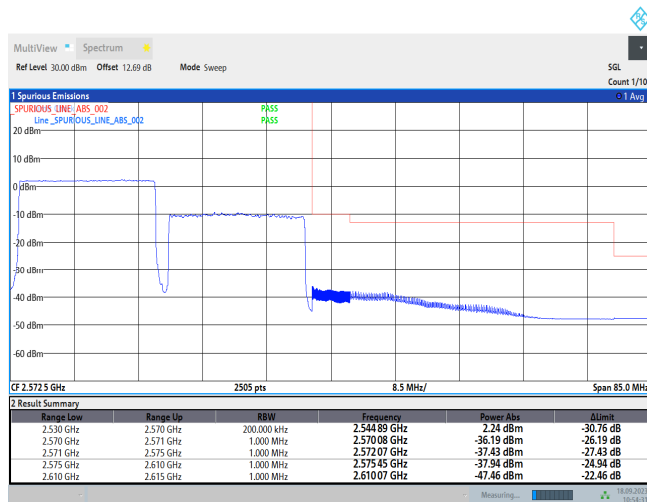
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### 7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-0RB#0-1RB#99



10:51:37 18.09.2023

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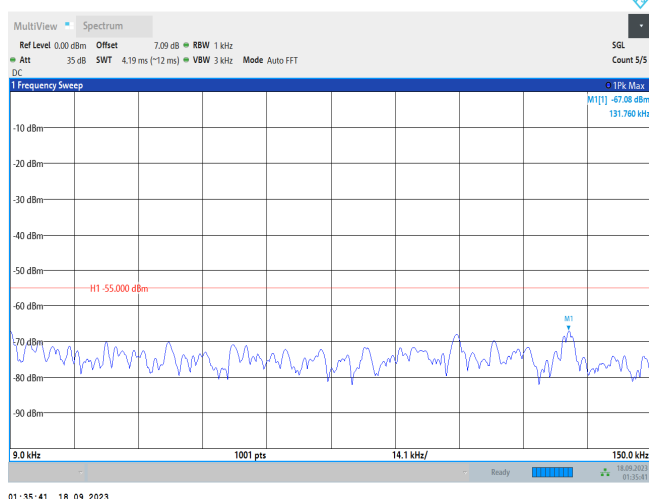
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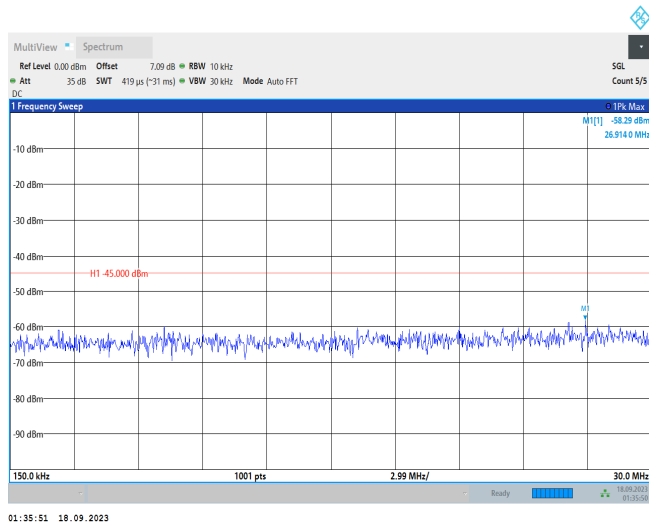
### Conducted Spurious Emission

#### Test Graphs

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



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



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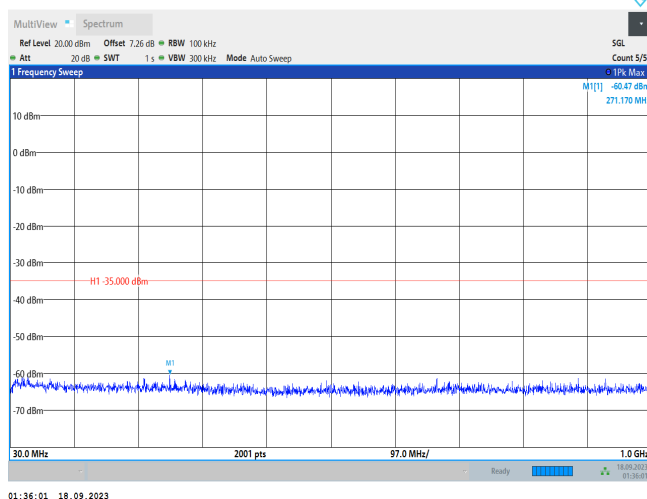
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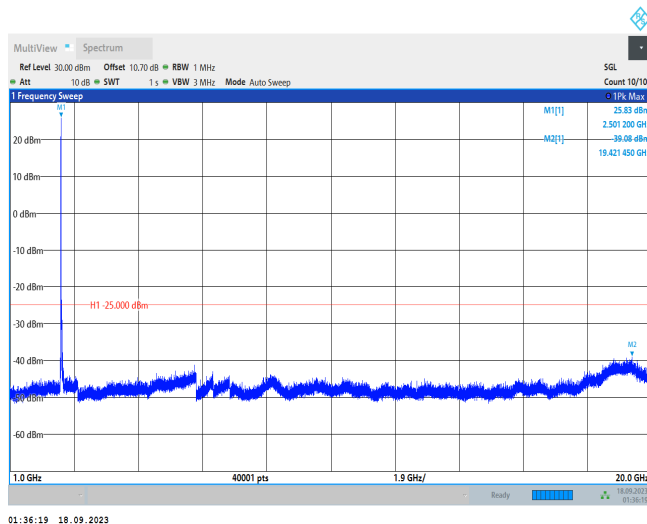
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### 7-7-20MHz-20MHz-QPSK-QPSK-20850-21048-1RB#0-0RB#0-30~1000MHz



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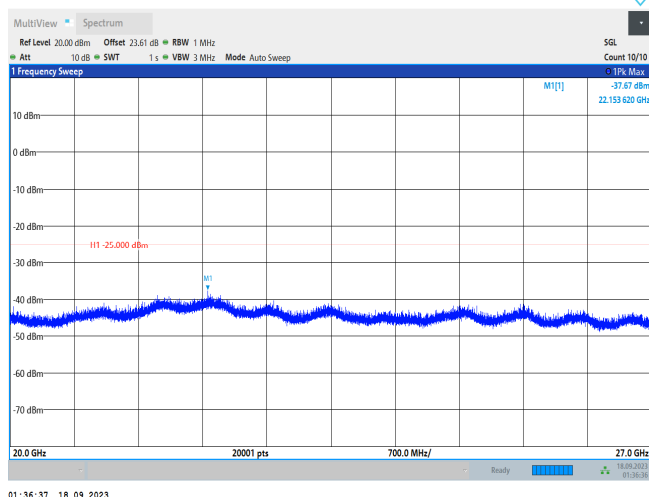


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7-7-20MHz-20MHz-QPSK-QPSK-20850-21048-1RB#0-0RB#0-20000~27000MHz



01:36:37 18.09.2023



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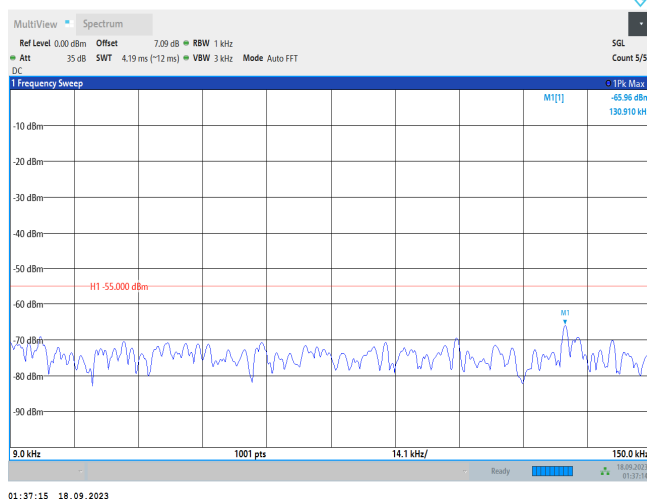
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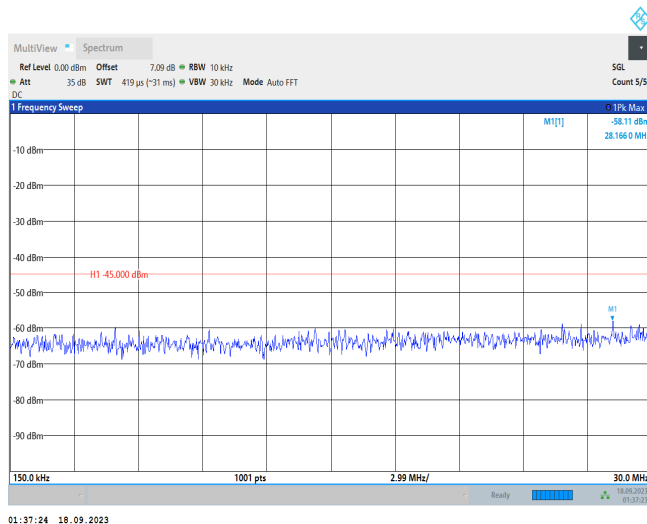
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### 7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-1RB#0-0RB#0-0.009~0.15MHz



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





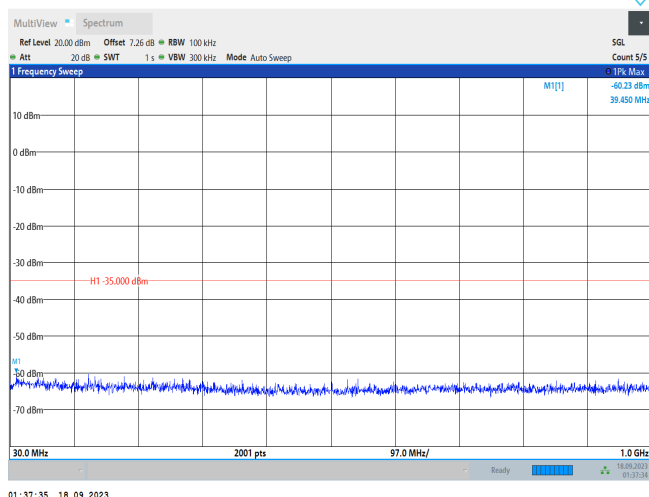


Report No.: XEWM2309000451RG01

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



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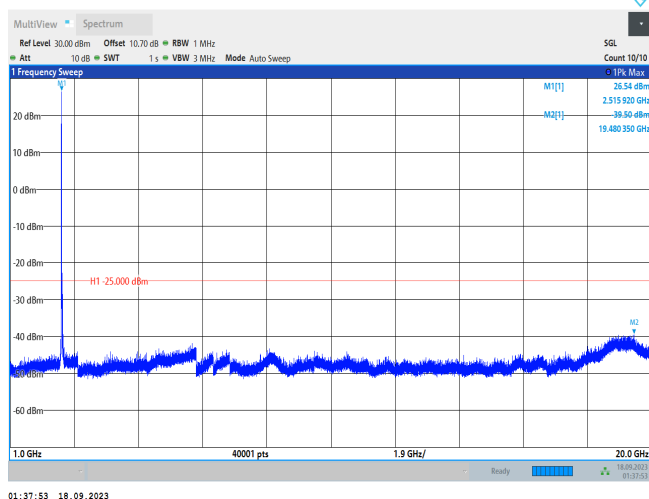
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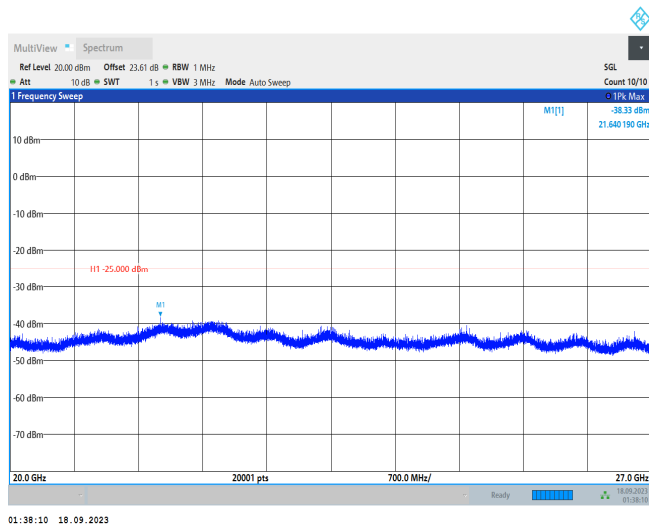
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### 7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-1RB#0-0RB#0-1000~20000MHz



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



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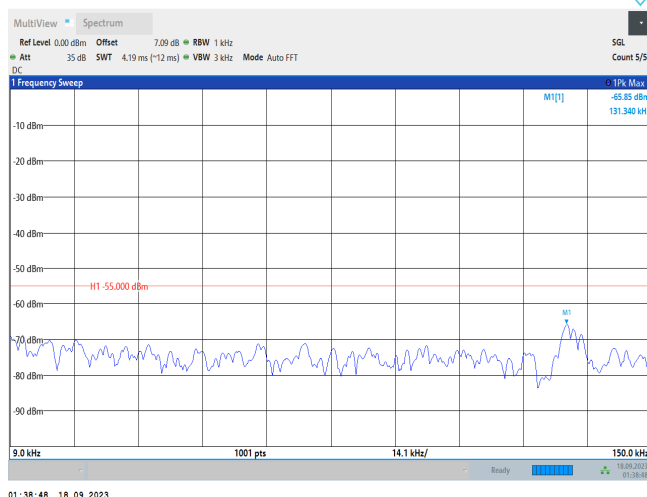
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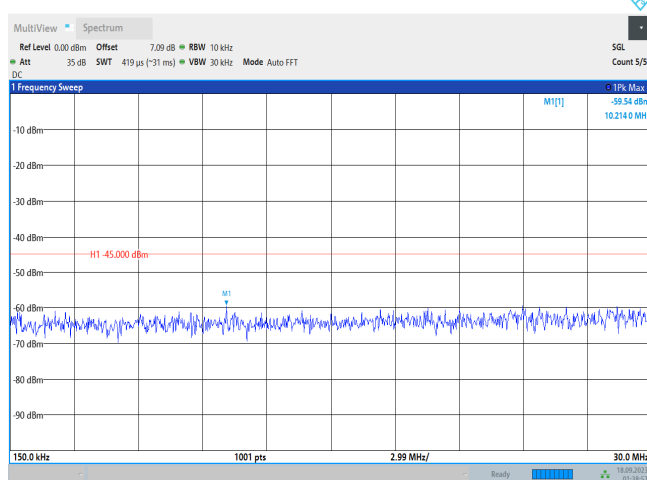
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01:38:48 18.09.2023

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



01:38:58 18.09.2023



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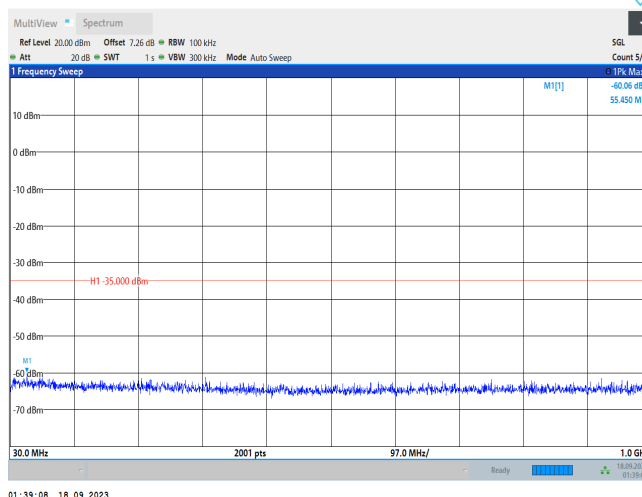
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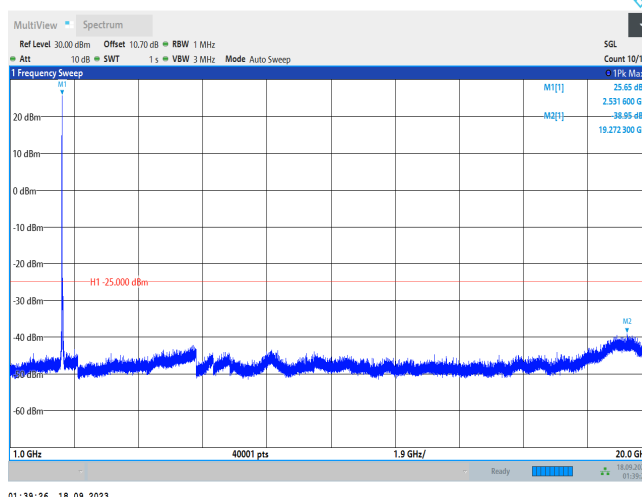
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### 7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-1RB#0-0RB#0-30~1000MHz



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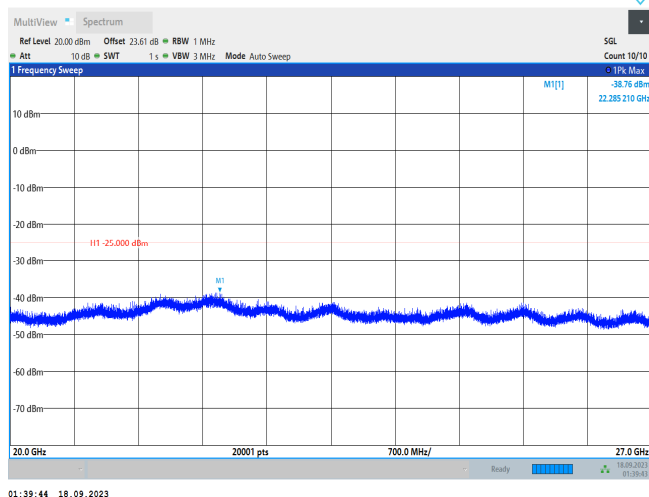


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7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-1RB#0-0RB#0-20000~27000MHz



01:39:44 18.09.2023



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## Field Strength of Spurious Radiation

**Test Band = CA\_7C ANT 4**
**Test Channel = LCH**

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3929	47.44	-44.19	29.82	-62.19	-25.00	37.19	Horizontal
2	5647.5	45.81	-41.30	32.51	-58.24	-25.00	33.24	Horizontal
3	7399	44.15	-38.29	36.70	-52.70	-25.00	27.70	Horizontal
4	9940	42.88	-36.01	38.64	-49.75	-25.00	24.75	Horizontal
5	13564.5	43.18	-37.89	40.03	-49.94	-25.00	24.94	Horizontal
6	17990	41.29	-43.12	48.02	-49.07	-25.00	24.07	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3902	47.11	-44.20	29.71	-62.64	-25.00	37.64	Vertical
2	5612.5	45.50	-41.40	32.58	-58.58	-25.00	33.58	Vertical
3	7425.5	44.09	-38.28	36.75	-52.70	-25.00	27.70	Vertical
4	9886.5	42.75	-35.06	38.49	-49.08	-25.00	24.08	Vertical
5	13561.5	43.03	-37.90	40.02	-50.11	-25.00	25.11	Vertical
6	16366.5	42.24	-35.00	38.70	-49.32	-25.00	24.32	Vertical



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Test Band = CA\_7C ANT 4  
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3677.5	47.27	-44.47	29.30	-63.16	-25.00	38.16	Horizontal
2	6098.5	45.28	-40.55	33.40	-57.13	-25.00	32.13	Horizontal
3	7890	43.76	-37.52	36.56	-52.46	-25.00	27.46	Horizontal
4	9879.5	42.50	-35.12	38.44	-49.44	-25.00	24.44	Horizontal
5	13548.5	43.12	-37.92	40.00	-50.06	-25.00	25.06	Horizontal
6	16598.5	41.73	-35.34	39.50	-49.37	-25.00	24.37	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3929	47.10	-44.19	29.82	-62.53	-25.00	37.53	Vertical
2	5596.5	45.25	-41.45	32.57	-58.89	-25.00	33.89	Vertical
3	7926	43.66	-37.42	36.45	-52.57	-25.00	27.57	Vertical
4	9876	42.49	-35.14	38.41	-49.50	-25.00	24.50	Vertical
5	13576	43.23	-37.88	40.05	-49.86	-25.00	24.86	Vertical
6	16356.5	42.52	-35.06	38.67	-49.13	-25.00	24.13	Vertical



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Test Band = CA\_7C ANT 4  
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3862.5	47.57	-44.47	29.70	-62.46	-25.00	37.46	Horizontal
2	5426.5	45.73	-41.95	32.34	-59.14	-25.00	34.14	Horizontal
3	7184	43.81	-38.76	36.54	-53.67	-25.00	28.67	Horizontal
4	9884	42.29	-35.08	38.47	-49.58	-25.00	24.58	Horizontal
5	13564.5	43.35	-37.89	40.03	-49.77	-25.00	24.77	Horizontal
6	17995.5	41.06	-43.08	48.12	-49.16	-25.00	24.16	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3926	47.43	-44.19	29.80	-62.22	-25.00	37.22	Vertical
2	6100.5	45.49	-40.54	33.40	-56.91	-25.00	31.91	Vertical
3	7494.5	44.05	-38.29	36.89	-52.61	-25.00	27.61	Vertical
4	9917.5	42.36	-35.42	38.62	-49.70	-25.00	24.70	Vertical
5	13561	43.08	-37.90	40.02	-50.06	-25.00	25.06	Vertical
6	17991.5	41.63	-43.11	48.05	-48.69	-25.00	23.69	Vertical



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Test Band = CA\_7C ANT3

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3905.5	47.44	-44.20	29.72	-62.30	-25.00	37.30	Horizontal
2	6134	45.40	-40.63	33.33	-57.16	-25.00	32.16	Horizontal
3	7503.5	45.45	-38.31	36.87	-51.25	-25.00	26.25	Horizontal
4	9895	42.41	-35.00	38.56	-49.29	-25.00	24.29	Horizontal
5	13571	43.18	-37.88	40.04	-49.92	-25.00	24.92	Horizontal
6	17985.5	41.83	-43.15	47.94	-48.64	-25.00	23.64	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4433	47.50	-43.26	30.10	-60.92	-25.00	35.92	Vertical
2	5620	45.60	-41.38	32.56	-58.48	-25.00	33.48	Vertical
3	7503	45.38	-38.31	36.87	-51.32	-25.00	26.32	Vertical
4	10965.5	43.18	-37.14	40.13	-49.09	-25.00	24.09	Vertical
5	13582.5	43.29	-37.87	40.07	-49.77	-25.00	24.77	Vertical
6	17999.5	41.16	-43.04	48.19	-48.95	-25.00	23.95	Vertical



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**Test Band = CA\_7C ANT3**  
**Test Channel = MCH**

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3965.5	47.23	-44.18	29.87	-62.34	-25.00	37.34	Horizontal
2	5694.5	45.78	-41.16	32.50	-58.14	-25.00	33.14	Horizontal
3	7505	44.00	-38.32	36.85	-52.73	-25.00	27.73	Horizontal
4	9878.5	42.62	-35.13	38.43	-49.34	-25.00	24.34	Horizontal
5	13569.5	43.25	-37.89	40.04	-49.86	-25.00	24.86	Horizontal
6	16600.5	42.09	-35.37	39.50	-49.04	-25.00	24.04	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3899	47.78	-44.21	29.70	-61.99	-25.00	36.99	Vertical
2	5149.5	46.24	-42.53	31.80	-59.75	-25.00	34.75	Vertical
3	7188	44.34	-38.74	36.55	-53.11	-25.00	28.11	Vertical
4	10969	43.01	-37.12	40.13	-49.24	-25.00	24.24	Vertical
5	13582	43.11	-37.87	40.06	-49.96	-25.00	24.96	Vertical
6	17981.5	41.94	-43.19	47.87	-48.64	-25.00	23.64	Vertical



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**Test Band = CA\_7C ANT3**  
**Test Channel = HCH**

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3937.5	47.33	-44.19	29.85	-62.27	-25.00	37.27	Horizontal
2	5593	45.59	-41.47	32.54	-58.60	-25.00	33.60	Horizontal
3	7414	44.31	-38.28	36.73	-52.50	-25.00	27.50	Horizontal
4	9889	42.37	-35.04	38.51	-49.42	-25.00	24.42	Horizontal
5	13568	43.33	-37.89	40.04	-49.78	-25.00	24.78	Horizontal
6	17997	41.42	-43.06	48.15	-48.75	-25.00	23.75	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3837	47.40	-44.66	29.73	-62.79	-25.00	37.79	Vertical
2	5132.5	46.19	-42.53	31.70	-59.90	-25.00	34.90	Vertical
3	7382	44.01	-38.39	36.63	-53.01	-25.00	28.01	Vertical
4	9885.5	42.54	-35.07	38.48	-49.31	-25.00	24.31	Vertical
5	13550.5	43.60	-37.91	40.00	-49.57	-25.00	24.57	Vertical
6	17990.5	41.75	-43.12	48.03	-48.60	-25.00	23.60	Vertical



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Test Band = CA\_7C ANT5

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3932	47.55	-44.19	29.83	-62.07	-25.00	37.07	Horizontal
2	5481	45.75	-41.88	32.32	-59.07	-25.00	34.07	Horizontal
3	7383.5	44.33	-38.38	36.63	-52.68	-25.00	27.68	Horizontal
4	9885	42.30	-35.08	38.48	-49.56	-25.00	24.56	Horizontal
5	13570.5	43.22	-37.88	40.04	-49.88	-25.00	24.88	Horizontal
6	17997.5	41.93	-43.06	48.16	-48.23	-25.00	23.23	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3981	47.97	-44.18	29.84	-61.63	-25.00	36.63	Vertical
2	5624	45.72	-41.37	32.55	-58.36	-25.00	33.36	Vertical
3	7506.5	44.13	-38.32	36.84	-52.61	-25.00	27.61	Vertical
4	9907.5	42.54	-35.16	38.61	-49.27	-25.00	24.27	Vertical
5	11796	44.05	-38.77	39.80	-50.18	-25.00	25.18	Vertical
6	17985	42.00	-43.16	47.93	-48.49	-25.00	23.49	Vertical



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Test Band = CA\_7C ANT5  
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3938.5	47.37	-44.19	29.85	-62.23	-25.00	37.23	Horizontal
2	5390	45.66	-42.02	32.44	-59.18	-25.00	34.18	Horizontal
3	6818.5	44.73	-39.45	35.47	-54.51	-25.00	29.51	Horizontal
4	9887	42.28	-35.06	38.50	-49.54	-25.00	24.54	Horizontal
5	13561.5	43.95	-37.90	40.02	-49.19	-25.00	24.19	Horizontal
6	17985	41.54	-43.16	47.93	-48.95	-25.00	23.95	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3604	47.63	-44.36	28.93	-63.06	-25.00	38.06	Vertical
2	5052.5	46.28	-42.62	31.60	-60.00	-25.00	35.00	Vertical
3	7186	44.27	-38.75	36.54	-53.20	-25.00	28.20	Vertical
4	9916	42.52	-35.38	38.62	-49.50	-25.00	24.50	Vertical
5	13562.5	43.44	-37.90	40.03	-49.69	-25.00	24.69	Vertical
6	17996.5	41.28	-43.07	48.14	-48.91	-25.00	23.91	Vertical



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**Test Band = CA\_7C ANT5**  
**Test Channel = HCH**

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3967.5	47.44	-44.18	29.87	-62.13	-25.00	37.13	Horizontal
2	5851	46.15	-41.27	32.60	-57.78	-25.00	32.78	Horizontal
3	7873.5	43.83	-37.59	36.66	-52.36	-25.00	27.36	Horizontal
4	9884	42.43	-35.08	38.47	-49.44	-25.00	24.44	Horizontal
5	13646	43.11	-37.92	40.15	-49.92	-25.00	24.92	Horizontal
6	17983	41.69	-43.17	47.89	-48.85	-25.00	23.85	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3926	47.28	-44.19	29.80	-62.37	-25.00	37.37	Vertical
2	5728	45.97	-41.22	32.50	-58.01	-25.00	33.01	Vertical
3	7922.5	43.71	-37.43	36.46	-52.52	-25.00	27.52	Vertical
4	10964	42.76	-37.14	40.14	-49.50	-25.00	24.50	Vertical
5	13566.5	43.15	-37.89	40.03	-49.97	-25.00	24.97	Vertical
6	17987.5	41.50	-43.14	47.98	-48.92	-25.00	23.92	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

Voltage									
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	3.20	0.003177	PASS
7-7	20MHz -20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	VL	NT	-9.40	-0.003723	PASS
7-7	20MHz -20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	VN	NT	1.40	0.000554	PASS

Temperature									
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	6.42	0.004534	PASS
7-7	20MHz -20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	-20	5.12	0.002613	PASS
7-7	20MHz -20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	-10	3.60	0.001426	PASS
7-7	20MHz -20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	0	3.01	0.005340	PASS
7-7	20MHz -20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	10	2.40	0.006170	PASS
7-7	20MHz -20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	20	-8.00	-0.003168	PASS
7-7	20MHz -20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	30	1.37	0.001947	PASS
7-7	20MHz -20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	40	2.40	0.012039	PASS
7-7	20MHz -20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	50	1.90	0.007089	PASS

---End of Attachment---



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