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# Appendix B.21

## NR Band n78(3450-3550)



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## Effective (Isotropic) Radiated Power Output Data for SA

### Test Result

ANT7

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N78-3450-3550	30	10	DFT-QPSK	L	Inner_1RB_Left	26.00	23.50	30.00	PASS
N78-3450-3550	30	10	DFT-16QAM	L	Inner_1RB_Left	25.00	22.50	30.00	PASS
N78-3450-3550	30	10	DFT-QPSK	M	Inner_1RB_Left	25.93	23.43	30.00	PASS
N78-3450-3550	30	10	DFT-16QAM	M	Inner_1RB_Left	24.95	22.45	30.00	PASS
N78-3450-3550	30	10	DFT-QPSK	H	Inner_1RB_Left	25.81	23.31	30.00	PASS
N78-3450-3550	30	10	DFT-16QAM	H	Inner_1RB_Left	24.81	22.31	30.00	PASS
N78-3450-3550	30	15	DFT-QPSK	L	Inner_1RB_Left	26.21	23.71	30.00	PASS
N78-3450-3550	30	15	DFT-16QAM	L	Inner_1RB_Left	25.14	22.64	30.00	PASS
N78-3450-3550	30	15	DFT-QPSK	M	Inner_1RB_Left	26.09	23.59	30.00	PASS
N78-3450-3550	30	15	DFT-16QAM	M	Inner_1RB_Left	25.07	22.57	30.00	PASS
N78-3450-3550	30	15	DFT-QPSK	H	Inner_1RB_Left	25.90	23.40	30.00	PASS
N78-3450-3550	30	15	DFT-16QAM	H	Inner_1RB_Left	24.88	22.38	30.00	PASS
N78-3450-3550	30	20	DFT-QPSK	L	Inner_1RB_Left	26.17	23.67	30.00	PASS
N78-3450-3550	30	20	DFT-16QAM	L	Inner_1RB_Left	25.32	22.82	30.00	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Inner_1RB_Left	26.17	23.67	30.00	PASS
N78-3450-3550	30	20	DFT-16QAM	M	Inner_1RB_Left	25.15	22.65	30.00	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Inner_1RB_Left	25.99	23.49	30.00	PASS
N78-3450-3550	30	20	DFT-16QAM	H	Inner_1RB_Left	24.96	22.46	30.00	PASS
N78-3450-3550	30	30	DFT-QPSK	L	Inner_1RB_Left	26.22	23.72	30.00	PASS
N78-3450-3550	30	30	DFT-16QAM	L	Inner_1RB_Left	25.30	22.80	30.00	PASS
N78-3450-3550	30	30	DFT-QPSK	M	Inner_1RB_Left	26.05	23.55	30.00	PASS
N78-3450-3550	30	30	DFT-16QAM	M	Inner_1RB_Left	25.10	22.60	30.00	PASS
N78-3450-3550	30	30	DFT-QPSK	H	Inner_1RB_Left	25.87	23.37	30.00	PASS
N78-3450-3550	30	30	DFT-16QAM	H	Inner_1RB_Left	24.96	22.46	30.00	PASS
N78-3450-3550	30	40	DFT-QPSK	L	Inner_1RB_Left	26.35	23.85	30.00	PASS
N78-3450-3550	30	40	DFT-16QAM	L	Inner_1RB_Left	25.34	22.84	30.00	PASS
N78-3450-3550	30	40	DFT-QPSK	M	Inner_1RB_Left	26.08	23.58	30.00	PASS
N78-3450-3550	30	40	DFT-16QAM	M	Inner_1RB_Left	25.05	22.55	30.00	PASS
N78-3450-3550	30	40	DFT-QPSK	H	Inner_1RB_Left	26.00	23.50	30.00	PASS
N78-3450-3550	30	40	DFT-16QAM	H	Inner_1RB_Left	25.01	22.51	30.00	PASS
N78-3450-3550	30	50	DFT-QPSK	L	Inner_1RB_Left	26.13	23.63	30.00	PASS



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N78-3450-3550	30	50	DFT-16QAM	L	Inner_1RB_Left	25.14	22.64	30.00	PASS
N78-3450-3550	30	50	DFT-QPSK	M	Inner_1RB_Left	25.81	23.31	30.00	PASS
N78-3450-3550	30	50	DFT-16QAM	M	Inner_1RB_Left	24.90	22.40	30.00	PASS
N78-3450-3550	30	50	DFT-QPSK	H	Inner_1RB_Left	25.64	23.14	30.00	PASS
N78-3450-3550	30	50	DFT-16QAM	H	Inner_1RB_Left	24.75	22.25	30.00	PASS
N78-3450-3550	30	60	DFT-QPSK	L	Inner_1RB_Left	26.33	23.83	30.00	PASS
N78-3450-3550	30	60	DFT-16QAM	L	Inner_1RB_Left	25.26	22.76	30.00	PASS
N78-3450-3550	30	60	DFT-QPSK	M	Inner_1RB_Left	25.93	23.43	30.00	PASS
N78-3450-3550	30	60	DFT-16QAM	M	Inner_1RB_Left	24.95	22.45	30.00	PASS
N78-3450-3550	30	60	DFT-QPSK	H	Inner_1RB_Left	25.98	23.48	30.00	PASS
N78-3450-3550	30	60	DFT-16QAM	H	Inner_1RB_Left	24.94	22.44	30.00	PASS
N78-3450-3550	30	70	DFT-QPSK	L	Inner_1RB_Left	26.03	23.53	30.00	PASS
N78-3450-3550	30	70	DFT-16QAM	L	Inner_1RB_Left	25.01	22.51	30.00	PASS
N78-3450-3550	30	70	DFT-QPSK	M	Inner_1RB_Left	25.88	23.38	30.00	PASS
N78-3450-3550	30	70	DFT-16QAM	M	Inner_1RB_Left	24.96	22.46	30.00	PASS
N78-3450-3550	30	70	DFT-QPSK	H	Inner_1RB_Left	25.69	23.19	30.00	PASS
N78-3450-3550	30	70	DFT-16QAM	H	Inner_1RB_Left	24.72	22.22	30.00	PASS
N78-3450-3550	30	80	DFT-QPSK	L	Inner_1RB_Left	26.07	23.57	30.00	PASS
N78-3450-3550	30	80	DFT-16QAM	L	Inner_1RB_Left	25.01	22.51	30.00	PASS
N78-3450-3550	30	80	DFT-QPSK	M	Inner_1RB_Left	25.91	23.41	30.00	PASS
N78-3450-3550	30	80	DFT-16QAM	M	Inner_1RB_Left	24.91	22.41	30.00	PASS
N78-3450-3550	30	80	DFT-QPSK	H	Inner_1RB_Left	25.70	23.20	30.00	PASS
N78-3450-3550	30	80	DFT-16QAM	H	Inner_1RB_Left	24.81	22.31	30.00	PASS
N78-3450-3550	30	90	DFT-QPSK	L	Inner_1RB_Left	26.02	23.52	30.00	PASS
N78-3450-3550	30	90	DFT-16QAM	L	Inner_1RB_Left	25.00	22.50	30.00	PASS
N78-3450-3550	30	90	DFT-QPSK	M	Inner_1RB_Left	25.83	23.33	30.00	PASS
N78-3450-3550	30	90	DFT-16QAM	M	Inner_1RB_Left	24.88	22.38	30.00	PASS
N78-3450-3550	30	90	DFT-QPSK	H	Inner_1RB_Left	25.89	23.39	30.00	PASS
N78-3450-3550	30	90	DFT-16QAM	H	Inner_1RB_Left	24.96	22.46	30.00	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	L	Inner_1RB_Left	25.97	23.47	30.00	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	L	Inner_1RB_Right	25.58	23.08	30.00	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	L	Outer_Full	25.15	22.65	30.00	PASS
N78-3450-3550	30	100	DFT-QPSK	L	Inner_1RB_Left	25.90	23.40	30.00	PASS
N78-3450-3550	30	100	DFT-QPSK	L	Inner_1RB_Right	25.61	23.11	30.00	PASS
N78-3450-3550	30	100	DFT-QPSK	L	Outer_Full	24.65	22.15	30.00	PASS
N78-3450-3550	30	100	DFT-16QAM	L	Inner_1RB_Left	24.94	22.44	30.00	PASS
N78-3450-3550	30	100	DFT-16QAM	L	Inner_1RB_Right	24.67	22.17	30.00	PASS



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N78-3450-3550	30	100	DFT-16QAM	L	Outer_Full	23.66	21.16	30.00	PASS
N78-3450-3550	30	100	DFT-64QAM	L	Inner_1RB_Left	23.35	20.85	30.00	PASS
N78-3450-3550	30	100	DFT-64QAM	L	Inner_1RB_Right	23.00	20.50	30.00	PASS
N78-3450-3550	30	100	DFT-64QAM	L	Outer_Full	23.17	20.67	30.00	PASS
N78-3450-3550	30	100	DFT-256QAM	L	Inner_1RB_Left	21.25	18.75	30.00	PASS
N78-3450-3550	30	100	DFT-256QAM	L	Inner_1RB_Right	20.98	18.48	30.00	PASS
N78-3450-3550	30	100	DFT-256QAM	L	Outer_Full	21.18	18.68	30.00	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Inner_1RB_Left	25.95	23.45	30.00	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Inner_1RB_Right	25.60	23.10	30.00	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	25.22	22.72	30.00	PASS
N78-3450-3550	30	100	DFT-QPSK	M	Inner_1RB_Left	25.94	23.44	30.00	PASS
N78-3450-3550	30	100	DFT-QPSK	M	Inner_1RB_Right	25.59	23.09	30.00	PASS
N78-3450-3550	30	100	DFT-QPSK	M	Outer_Full	24.72	22.22	30.00	PASS
N78-3450-3550	30	100	DFT-16QAM	M	Inner_1RB_Left	24.97	22.47	30.00	PASS
N78-3450-3550	30	100	DFT-16QAM	M	Inner_1RB_Right	24.62	22.12	30.00	PASS
N78-3450-3550	30	100	DFT-16QAM	M	Outer_Full	23.70	21.20	30.00	PASS
N78-3450-3550	30	100	DFT-64QAM	M	Inner_1RB_Left	23.40	20.90	30.00	PASS
N78-3450-3550	30	100	DFT-64QAM	M	Inner_1RB_Right	23.12	20.62	30.00	PASS
N78-3450-3550	30	100	DFT-64QAM	M	Outer_Full	23.21	20.71	30.00	PASS
N78-3450-3550	30	100	DFT-256QAM	M	Inner_1RB_Left	21.25	18.75	30.00	PASS
N78-3450-3550	30	100	DFT-256QAM	M	Inner_1RB_Right	20.95	18.45	30.00	PASS
N78-3450-3550	30	100	DFT-256QAM	M	Outer_Full	21.19	18.69	30.00	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	H	Inner_1RB_Left	25.92	23.42	30.00	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	H	Inner_1RB_Right	25.62	23.12	30.00	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	H	Outer_Full	25.18	22.68	30.00	PASS
N78-3450-3550	30	100	DFT-QPSK	H	Inner_1RB_Left	26.00	23.50	30.00	PASS
N78-3450-3550	30	100	DFT-QPSK	H	Inner_1RB_Right	25.60	23.10	30.00	PASS
N78-3450-3550	30	100	DFT-QPSK	H	Outer_Full	24.67	22.17	30.00	PASS
N78-3450-3550	30	100	DFT-16QAM	H	Inner_1RB_Left	25.02	22.52	30.00	PASS
N78-3450-3550	30	100	DFT-16QAM	H	Inner_1RB_Right	24.65	22.15	30.00	PASS
N78-3450-3550	30	100	DFT-16QAM	H	Outer_Full	23.73	21.23	30.00	PASS
N78-3450-3550	30	100	DFT-64QAM	H	Inner_1RB_Left	23.46	20.96	30.00	PASS
N78-3450-3550	30	100	DFT-64QAM	H	Inner_1RB_Right	23.11	20.61	30.00	PASS
N78-3450-3550	30	100	DFT-64QAM	H	Outer_Full	23.23	20.73	30.00	PASS
N78-3450-3550	30	100	DFT-256QAM	H	Inner_1RB_Left	21.25	18.75	30.00	PASS
N78-3450-3550	30	100	DFT-256QAM	H	Inner_1RB_Right	20.93	18.43	30.00	PASS
N78-3450-3550	30	100	DFT-256QAM	H	Outer_Full	21.16	18.66	30.00	PASS



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## Peak-to-Average Ratio for SA

### Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N78-3450-3550	30	100	DFT-256QAM	M	Outer_Full	6.40	≤13	PASS
N78-3450-3550	30	100	CP-256QAM	M	Outer_Full	6.41	≤13	PASS



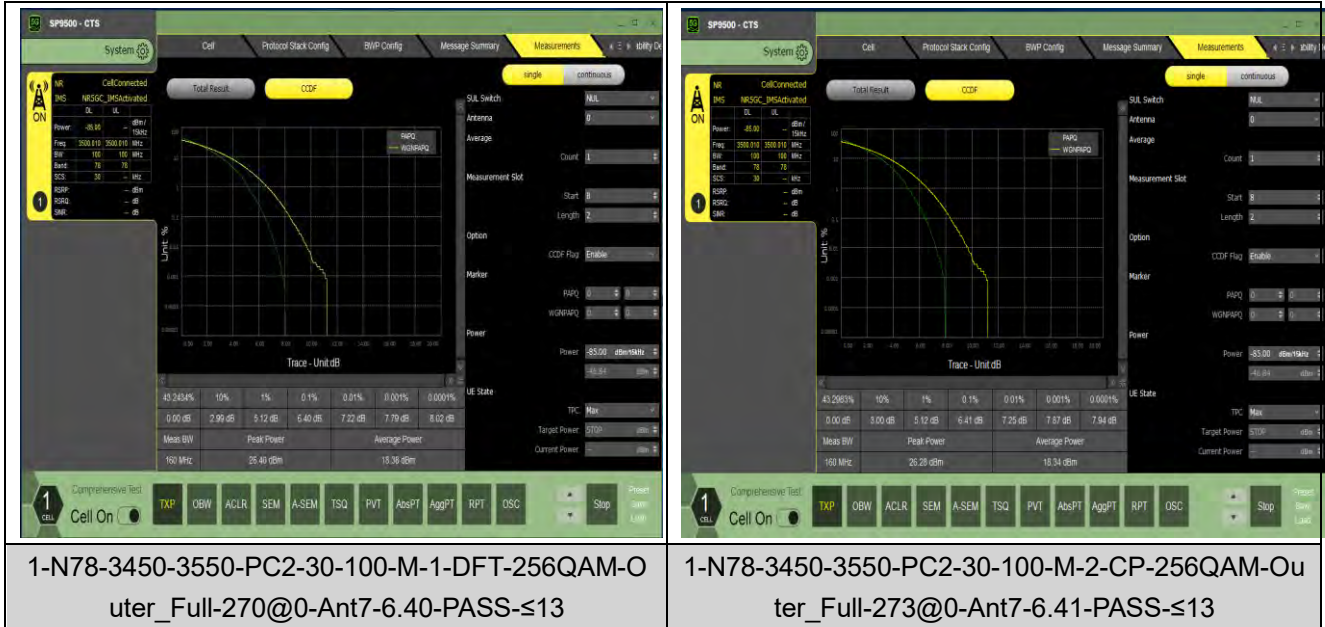
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Test Graphs



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## 26dB Bandwidth and Occupied Bandwidth for SA

### Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N78-3450-3550	30	10	DFT-QPSK	M	Outer_Full	8.577	9.660	PASS
N78-3450-3550	30	10	DFT-PI2BPSK	M	Outer_Full	8.577	9.520	PASS
N78-3450-3550	30	10	DFT-16QAM	M	Outer_Full	8.586	9.740	PASS
N78-3450-3550	30	10	DFT-64QAM	M	Outer_Full	8.566	9.500	PASS
N78-3450-3550	30	10	DFT-256QAM	M	Outer_Full	8.578	9.600	PASS
N78-3450-3550	30	10	CP-QPSK	M	Outer_Full	8.587	9.840	PASS
N78-3450-3550	30	10	CP-16QAM	M	Outer_Full	8.606	9.880	PASS
N78-3450-3550	30	10	CP-64QAM	M	Outer_Full	8.601	9.580	PASS
N78-3450-3550	30	10	CP-256QAM	M	Outer_Full	8.572	9.440	PASS
N78-3450-3550	30	15	DFT-QPSK	M	Outer_Full	12.871	14.370	PASS
N78-3450-3550	30	15	DFT-PI2BPSK	M	Outer_Full	12.839	14.160	PASS
N78-3450-3550	30	15	DFT-16QAM	M	Outer_Full	12.885	14.370	PASS
N78-3450-3550	30	15	DFT-64QAM	M	Outer_Full	12.842	14.070	PASS
N78-3450-3550	30	15	DFT-256QAM	M	Outer_Full	12.81	13.920	PASS
N78-3450-3550	30	15	CP-QPSK	M	Outer_Full	13.6	14.640	PASS
N78-3450-3550	30	15	CP-16QAM	M	Outer_Full	13.591	14.670	PASS
N78-3450-3550	30	15	CP-64QAM	M	Outer_Full	13.619	14.970	PASS
N78-3450-3550	30	15	CP-256QAM	M	Outer_Full	13.542	14.640	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Outer_Full	17.783	18.920	PASS
N78-3450-3550	30	20	DFT-PI2BPSK	M	Outer_Full	17.796	18.960	PASS
N78-3450-3550	30	20	DFT-16QAM	M	Outer_Full	17.825	18.880	PASS
N78-3450-3550	30	20	DFT-64QAM	M	Outer_Full	17.719	18.840	PASS
N78-3450-3550	30	20	DFT-256QAM	M	Outer_Full	17.827	19.080	PASS
N78-3450-3550	30	20	CP-QPSK	M	Outer_Full	18.205	19.400	PASS
N78-3450-3550	30	20	CP-16QAM	M	Outer_Full	18.215	19.440	PASS
N78-3450-3550	30	20	CP-64QAM	M	Outer_Full	18.158	19.280	PASS
N78-3450-3550	30	20	CP-256QAM	M	Outer_Full	18.216	19.480	PASS
N78-3450-3550	30	30	DFT-QPSK	M	Outer_Full	26.771	28.380	PASS
N78-3450-3550	30	30	DFT-PI2BPSK	M	Outer_Full	26.746	27.900	PASS
N78-3450-3550	30	30	DFT-16QAM	M	Outer_Full	26.757	28.260	PASS



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N78-3450-3550	30	30	DFT-64QAM	M	Outer_Full	26.835	28.320	PASS
N78-3450-3550	30	30	DFT-256QAM	M	Outer_Full	26.796	28.380	PASS
N78-3450-3550	30	30	CP-QPSK	M	Outer_Full	27.854	30.000	PASS
N78-3450-3550	30	30	CP-16QAM	M	Outer_Full	27.797	29.160	PASS
N78-3450-3550	30	30	CP-64QAM	M	Outer_Full	27.867	29.400	PASS
N78-3450-3550	30	30	CP-256QAM	M	Outer_Full	27.774	29.580	PASS
N78-3450-3550	30	40	DFT-QPSK	M	Outer_Full	35.62	38.000	PASS
N78-3450-3550	30	40	DFT-PI2BPSK	M	Outer_Full	35.768	37.840	PASS
N78-3450-3550	30	40	DFT-16QAM	M	Outer_Full	35.763	37.760	PASS
N78-3450-3550	30	40	DFT-64QAM	M	Outer_Full	35.742	37.440	PASS
N78-3450-3550	30	40	DFT-256QAM	M	Outer_Full	35.713	37.520	PASS
N78-3450-3550	30	40	CP-QPSK	M	Outer_Full	37.803	40.160	PASS
N78-3450-3550	30	40	CP-16QAM	M	Outer_Full	37.815	39.760	PASS
N78-3450-3550	30	40	CP-64QAM	M	Outer_Full	37.933	39.440	PASS
N78-3450-3550	30	40	CP-256QAM	M	Outer_Full	37.831	40.000	PASS
N78-3450-3550	30	50	DFT-QPSK	M	Outer_Full	45.706	47.800	PASS
N78-3450-3550	30	50	DFT-PI2BPSK	M	Outer_Full	45.688	47.900	PASS
N78-3450-3550	30	50	DFT-16QAM	M	Outer_Full	45.696	47.500	PASS
N78-3450-3550	30	50	DFT-64QAM	M	Outer_Full	45.733	47.300	PASS
N78-3450-3550	30	50	DFT-256QAM	M	Outer_Full	45.741	47.800	PASS
N78-3450-3550	30	50	CP-QPSK	M	Outer_Full	47.414	49.400	PASS
N78-3450-3550	30	50	CP-16QAM	M	Outer_Full	47.461	49.400	PASS
N78-3450-3550	30	50	CP-64QAM	M	Outer_Full	47.616	49.300	PASS
N78-3450-3550	30	50	CP-256QAM	M	Outer_Full	47.229	49.400	PASS
N78-3450-3550	30	60	DFT-QPSK	M	Outer_Full	57.902	60.000	PASS
N78-3450-3550	30	60	DFT-PI2BPSK	M	Outer_Full	57.839	59.880	PASS
N78-3450-3550	30	60	DFT-16QAM	M	Outer_Full	57.877	59.880	PASS
N78-3450-3550	30	60	DFT-64QAM	M	Outer_Full	57.859	59.880	PASS
N78-3450-3550	30	60	DFT-256QAM	M	Outer_Full	57.693	60.120	PASS
N78-3450-3550	30	60	CP-QPSK	M	Outer_Full	57.806	60.000	PASS
N78-3450-3550	30	60	CP-16QAM	M	Outer_Full	57.708	59.760	PASS
N78-3450-3550	30	60	CP-64QAM	M	Outer_Full	57.991	59.760	PASS
N78-3450-3550	30	60	CP-256QAM	M	Outer_Full	57.686	59.760	PASS
N78-3450-3550	30	70	DFT-QPSK	M	Outer_Full	64.38	66.780	PASS
N78-3450-3550	30	70	DFT-PI2BPSK	M	Outer_Full	64.427	66.500	PASS
N78-3450-3550	30	70	DFT-16QAM	M	Outer_Full	64.355	66.220	PASS
N78-3450-3550	30	70	DFT-64QAM	M	Outer_Full	64.377	66.220	PASS



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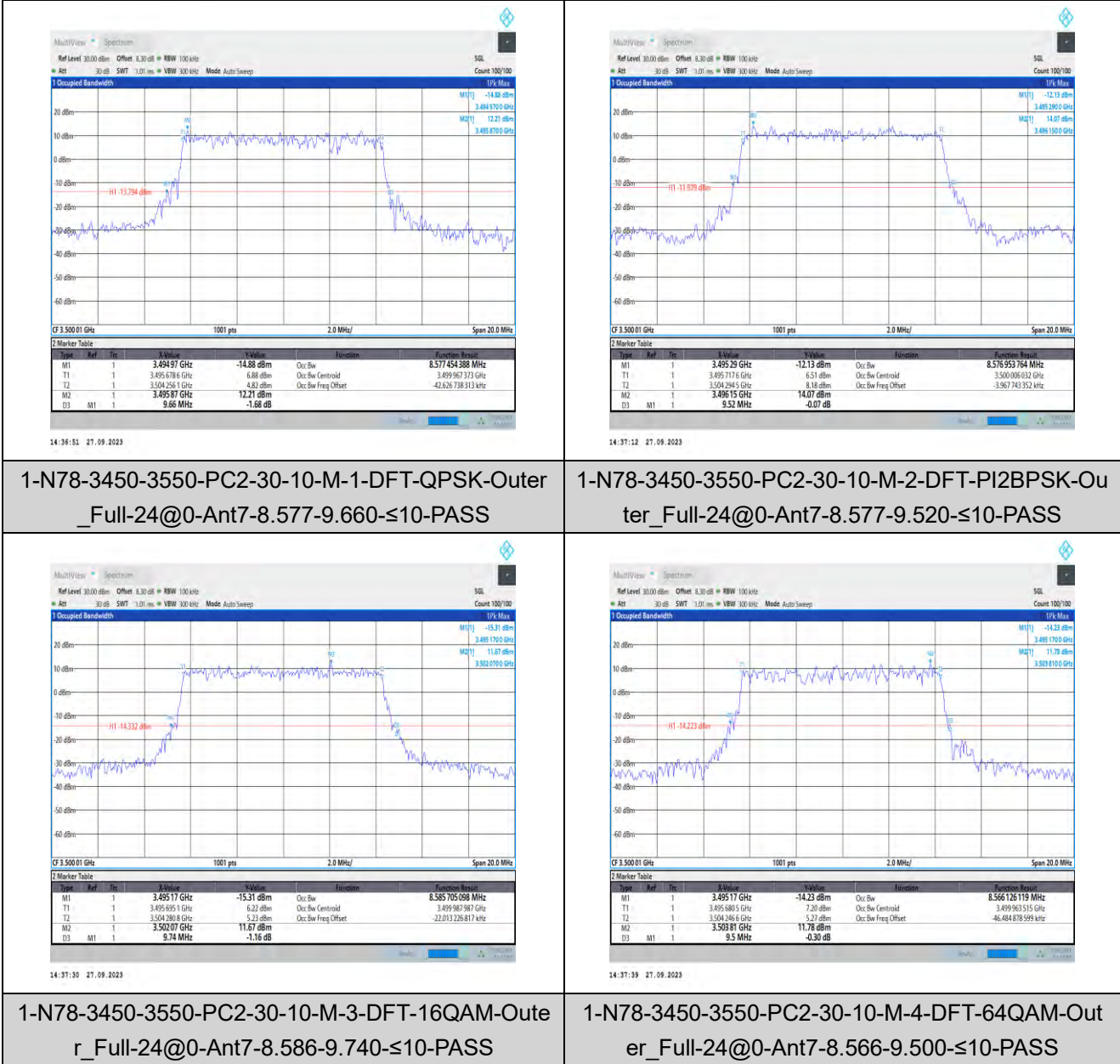
N78-3450-3550	30	70	DFT-256QAM	M	Outer_Full	64.356	66.640	PASS
N78-3450-3550	30	70	CP-QPSK	M	Outer_Full	67.271	69.580	PASS
N78-3450-3550	30	70	CP-16QAM	M	Outer_Full	67.372	69.440	PASS
N78-3450-3550	30	70	CP-64QAM	M	Outer_Full	67.428	69.860	PASS
N78-3450-3550	30	70	CP-256QAM	M	Outer_Full	67.214	69.440	PASS
N78-3450-3550	30	80	DFT-QPSK	M	Outer_Full	77.082	80.480	PASS
N78-3450-3550	30	80	DFT-PI2BPSK	M	Outer_Full	76.934	80.480	PASS
N78-3450-3550	30	80	DFT-16QAM	M	Outer_Full	77.154	80.320	PASS
N78-3450-3550	30	80	DFT-64QAM	M	Outer_Full	77.111	80.160	PASS
N78-3450-3550	30	80	DFT-256QAM	M	Outer_Full	77.154	80.320	PASS
N78-3450-3550	30	80	CP-QPSK	M	Outer_Full	77.166	80.640	PASS
N78-3450-3550	30	80	CP-16QAM	M	Outer_Full	77.277	80.640	PASS
N78-3450-3550	30	80	CP-64QAM	M	Outer_Full	77.448	80.640	PASS
N78-3450-3550	30	80	CP-256QAM	M	Outer_Full	77.428	80.800	PASS
N78-3450-3550	30	90	DFT-QPSK	M	Outer_Full	85.809	88.920	PASS
N78-3450-3550	30	90	DFT-PI2BPSK	M	Outer_Full	85.558	89.100	PASS
N78-3450-3550	30	90	DFT-16QAM	M	Outer_Full	85.675	89.100	PASS
N78-3450-3550	30	90	DFT-64QAM	M	Outer_Full	85.555	88.920	PASS
N78-3450-3550	30	90	DFT-256QAM	M	Outer_Full	85.65	88.920	PASS
N78-3450-3550	30	90	CP-QPSK	M	Outer_Full	87.483	90.720	PASS
N78-3450-3550	30	90	CP-16QAM	M	Outer_Full	87.22	91.080	PASS
N78-3450-3550	30	90	CP-64QAM	M	Outer_Full	87.346	90.900	PASS
N78-3450-3550	30	90	CP-256QAM	M	Outer_Full	87.237	90.720	PASS
N78-3450-3550	30	100	DFT-QPSK	M	Outer_Full	96.407	99.800	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	96.315	99.800	PASS
N78-3450-3550	30	100	DFT-16QAM	M	Outer_Full	96.382	99.800	PASS
N78-3450-3550	30	100	DFT-64QAM	M	Outer_Full	96.44	100.000	PASS
N78-3450-3550	30	100	DFT-256QAM	M	Outer_Full	96.157	100.000	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	97.357	100.800	PASS
N78-3450-3550	30	100	CP-16QAM	M	Outer_Full	97.339	100.400	PASS
N78-3450-3550	30	100	CP-64QAM	M	Outer_Full	97.183	100.800	PASS
N78-3450-3550	30	100	CP-256QAM	M	Outer_Full	97.291	100.800	PASS



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Test Graphs



1-N78-3450-3550-PC2-30-10-M-1-DFT-QPSK-Outer\_Full-24@0-Ant7-8.577-9.660-≤10-PASS

1-N78-3450-3550-PC2-30-10-M-2-DFT-PI2BPSK-Outer\_Full-24@0-Ant7-8.577-9.520-≤10-PASS

1-N78-3450-3550-PC2-30-10-M-3-DFT-16QAM-Outer\_Full-24@0-Ant7-8.586-9.740-≤10-PASS

1-N78-3450-3550-PC2-30-10-M-4-DFT-64QAM-Outer\_Full-24@0-Ant7-8.566-9.500-≤10-PASS



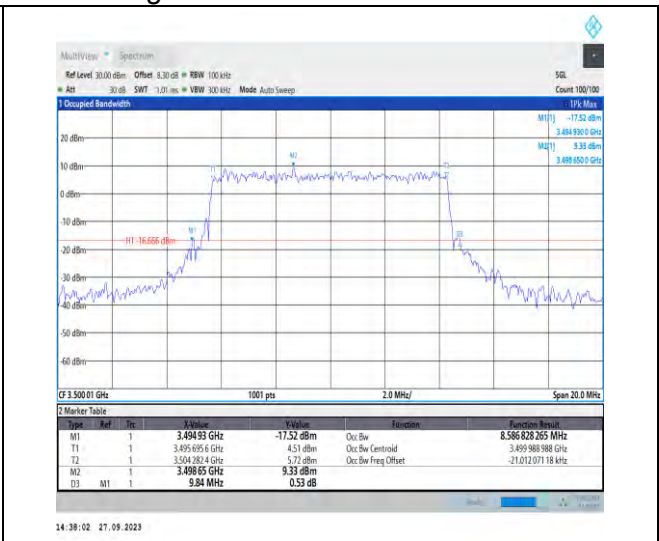
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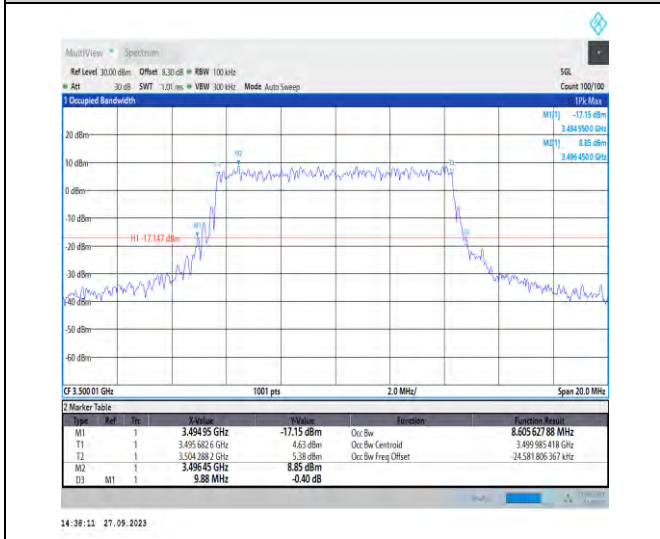




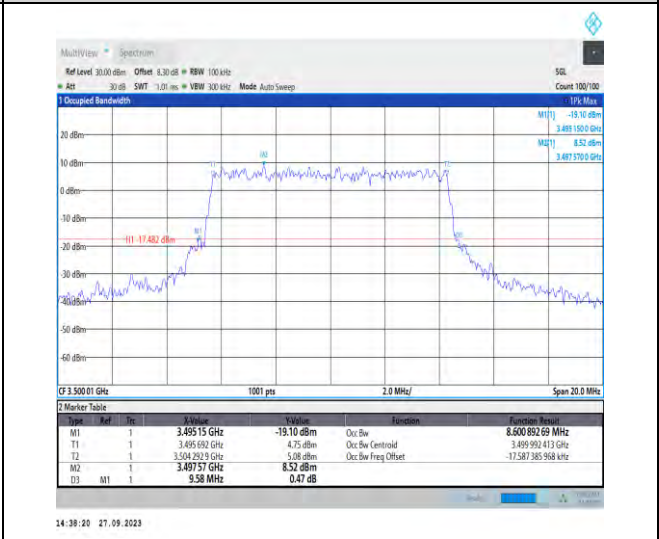
1-N78-3450-3550-PC2-30-10-M-5-DFT-256QAM-Out  
 \_Full-24@0-Ant7-8.578-9.600-≤10-PASS



1-N78-3450-3550-PC2-30-10-M-6-CP-QPSK-Outer  
 \_Full-24@0-Ant7-8.587-9.840-≤10-PASS



1-N78-3450-3550-PC2-30-10-M-7-CP-16QAM-Outer  
 \_Full-24@0-Ant7-8.606-9.880-≤10-PASS

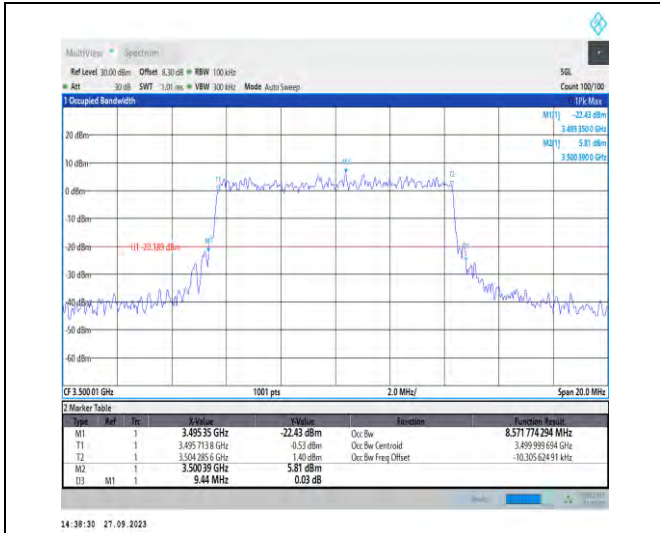


1-N78-3450-3550-PC2-30-10-M-8-CP-64QAM-Outer  
 \_Full-24@0-Ant7-8.601-9.580-≤10-PASS

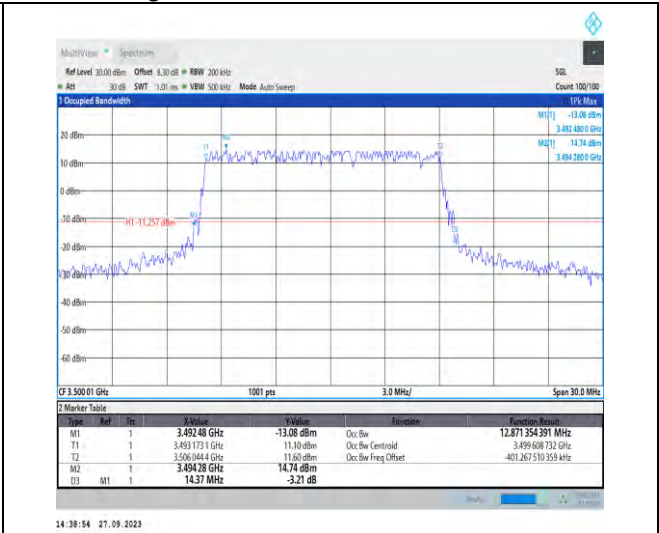


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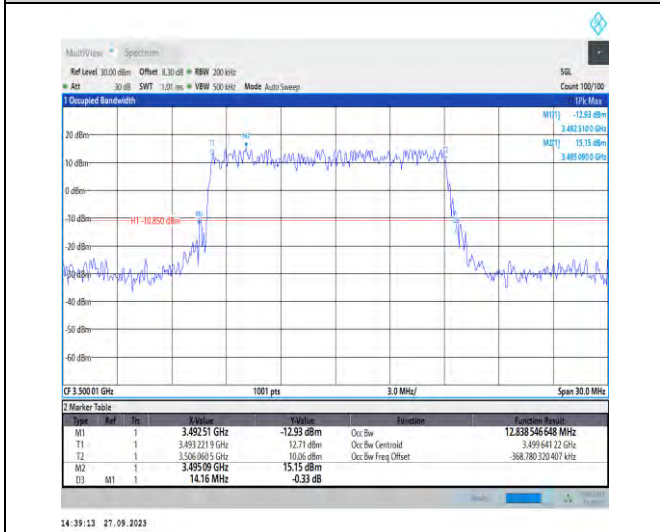
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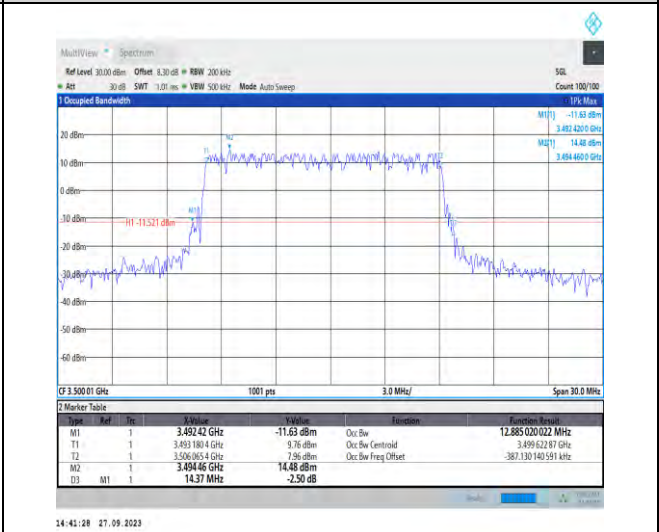
1-N78-3450-3550-PC2-30-10-M-9-CP-256QAM-Outer\_Full-24@0-Ant7-8.572-9.440-≤10-PASS



1-N78-3450-3550-PC2-30-15-M-1-DFT-QPSK-Outer\_Full-36@0-Ant7-12.871-14.370-≤15-PASS



1-N78-3450-3550-PC2-30-15-M-2-DFT-PI2BPSK-Outer\_Full-36@0-Ant7-12.839-14.160-≤15-PASS



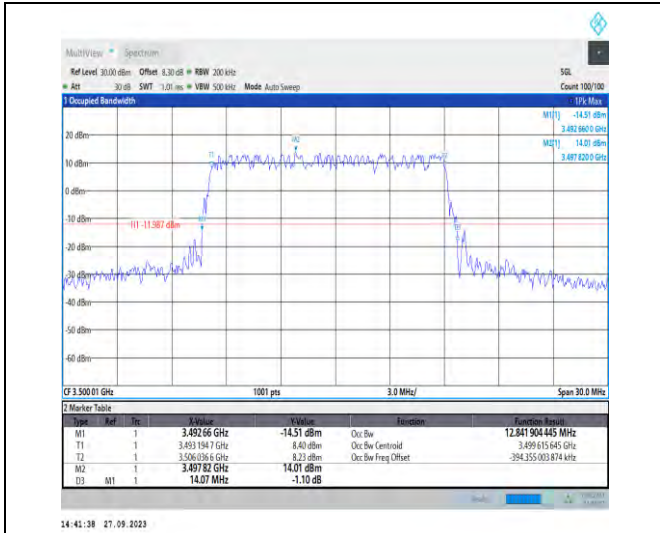
1-N78-3450-3550-PC2-30-15-M-3-DFT-16QAM-Outer\_Full-36@0-Ant7-12.885-14.370-≤15-PASS



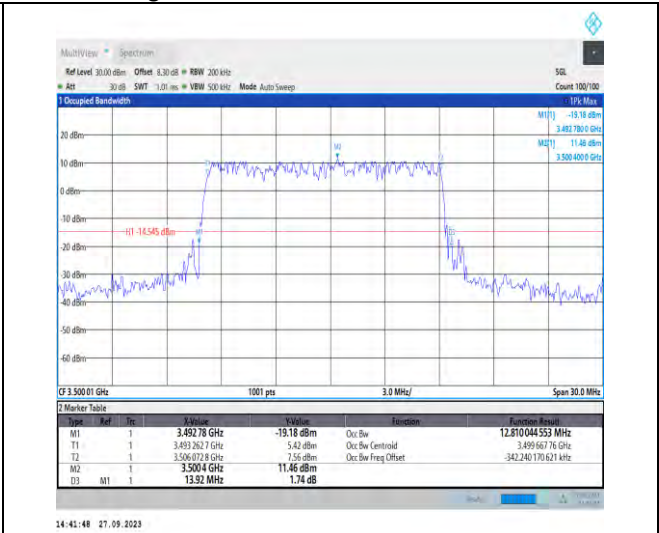
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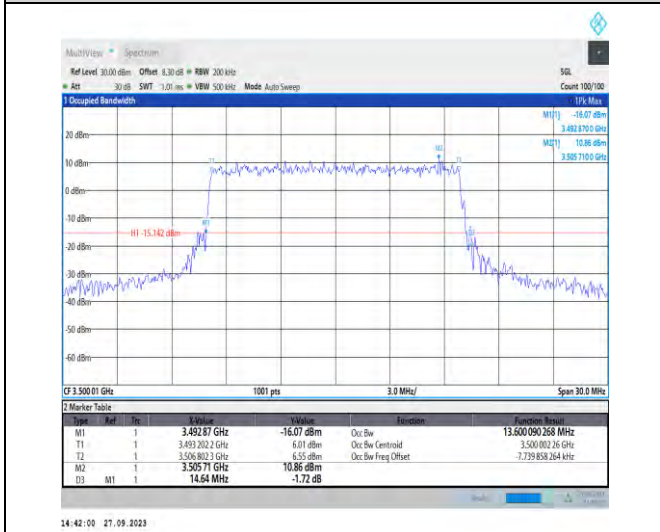




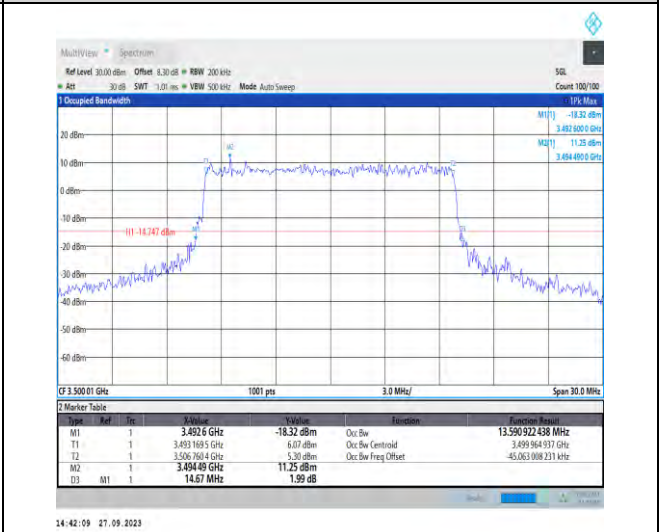
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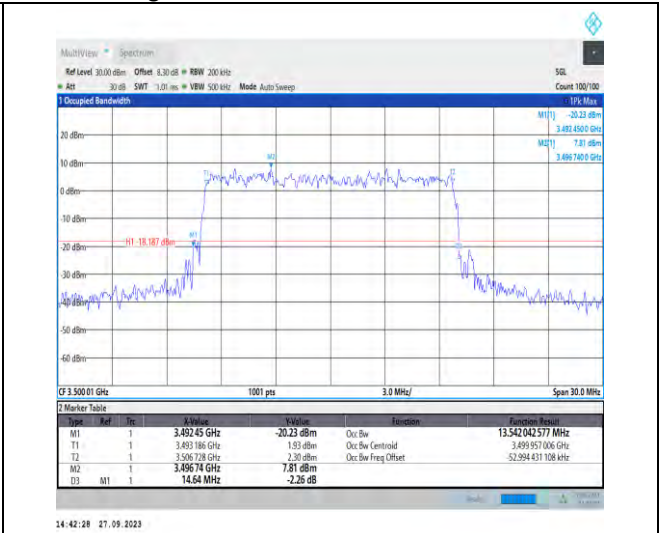
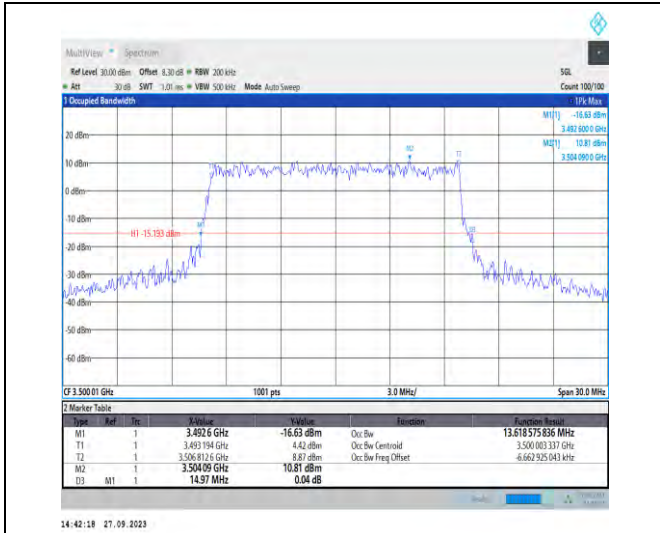


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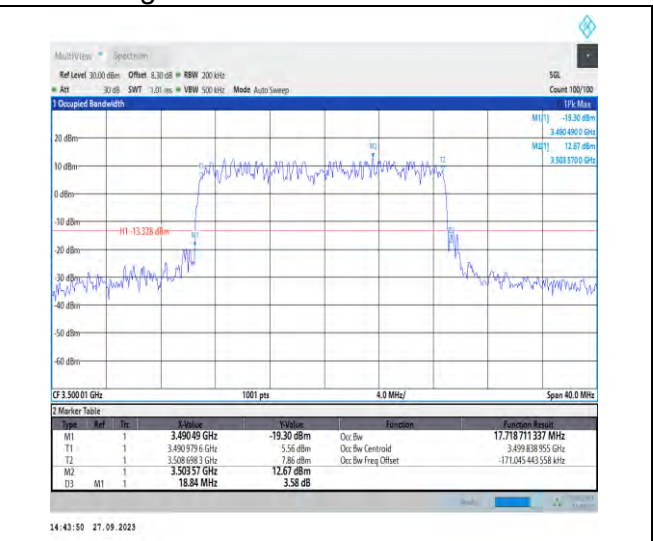
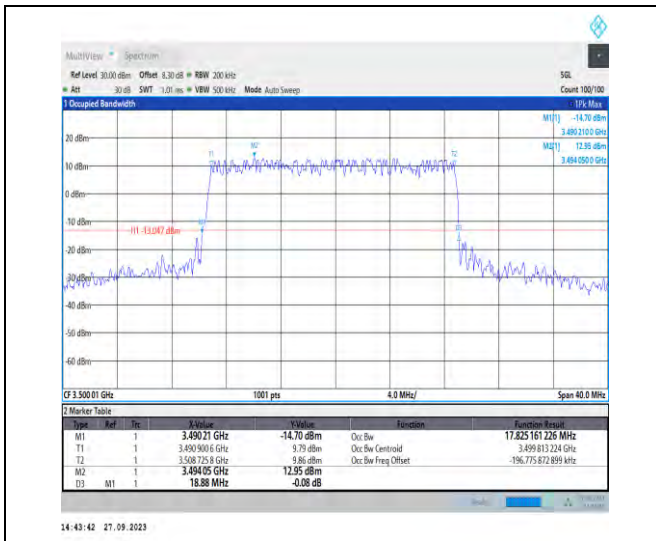
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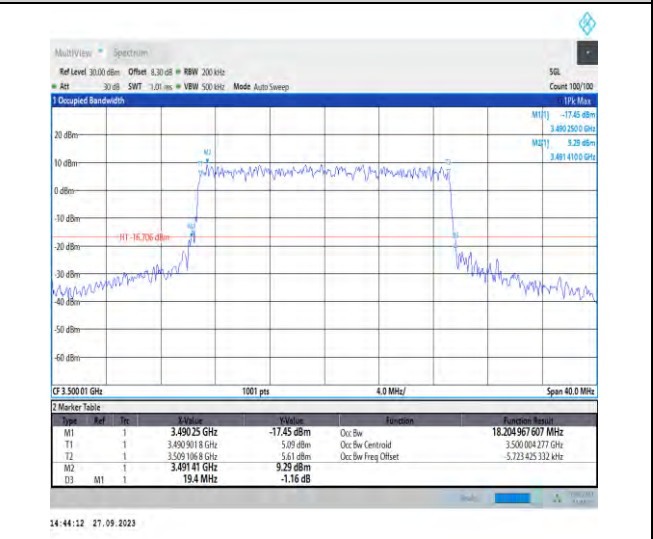
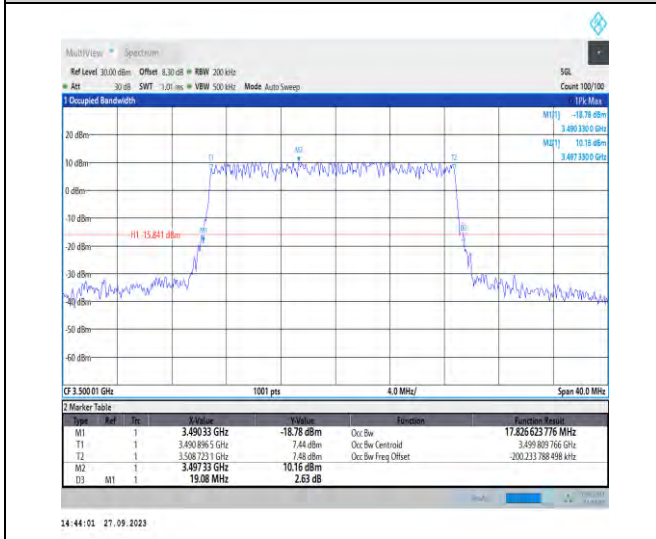
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1-N78-3450-3550-PC2-30-20-M-3-DFT-16QAM-Outer\_Full-50@0-Ant7-17.825-18.880-≤20-PASS

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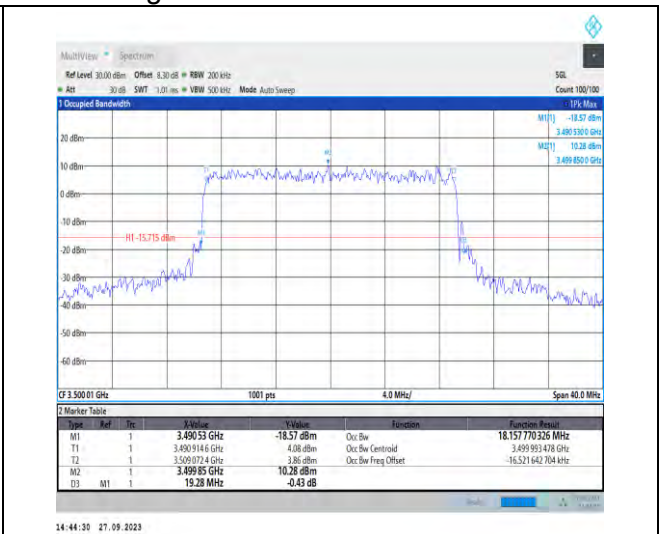
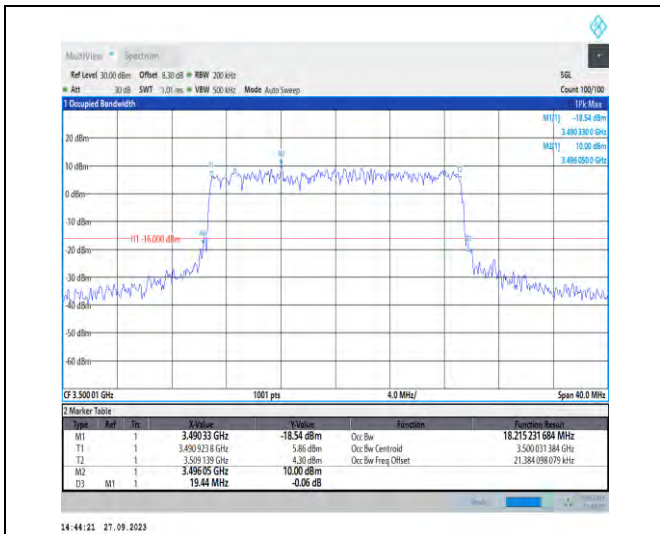
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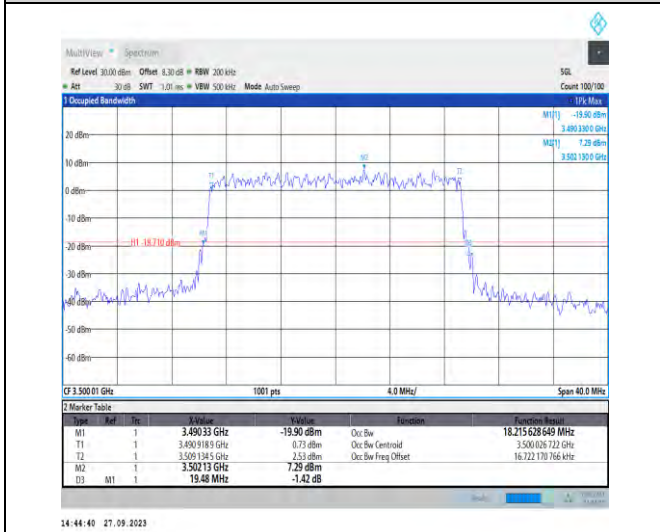
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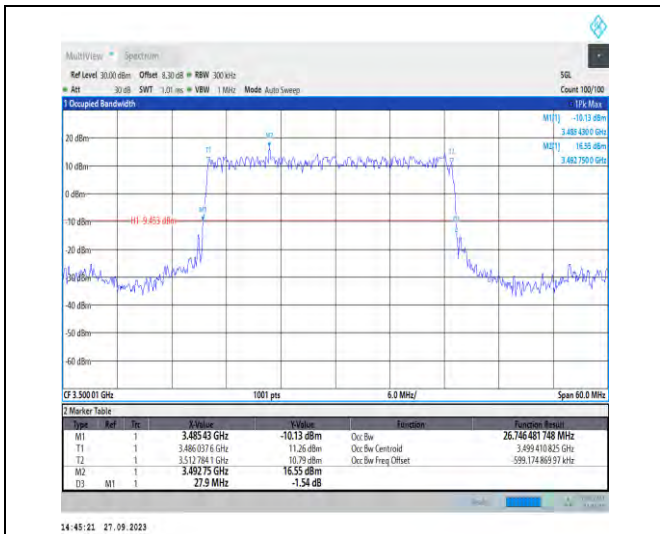
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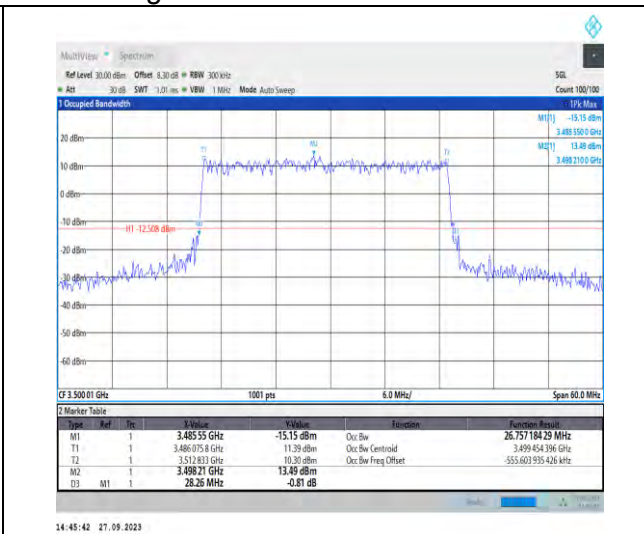
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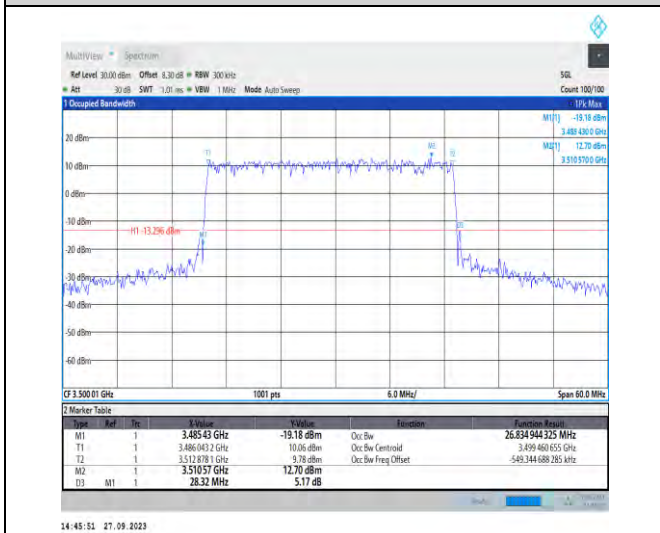




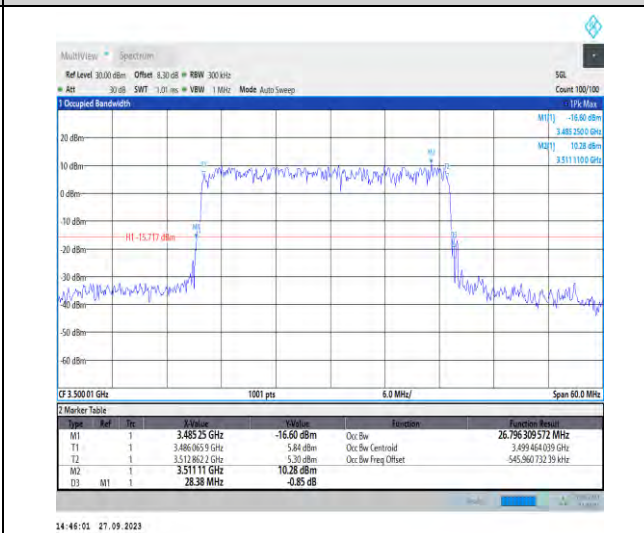
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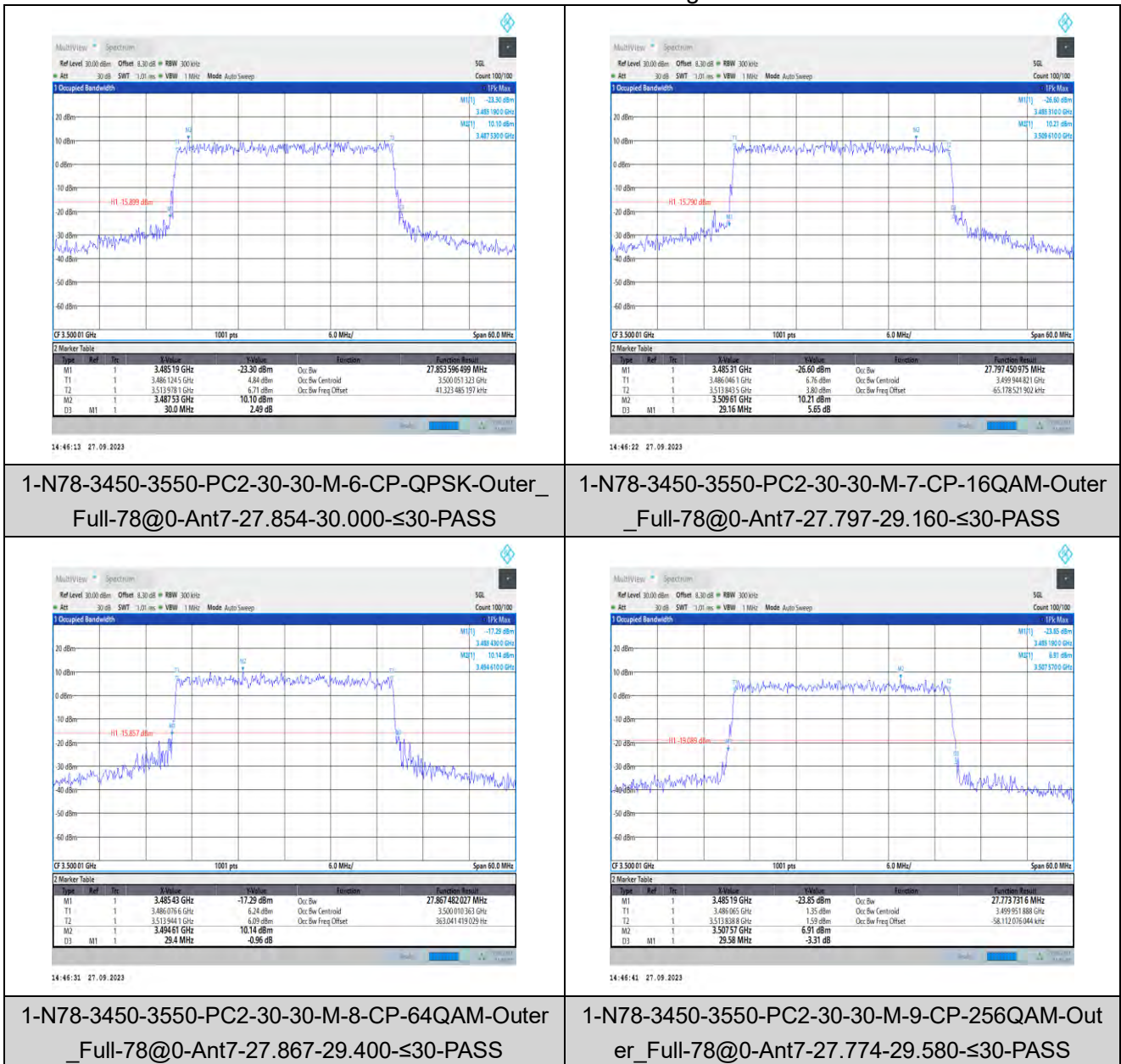


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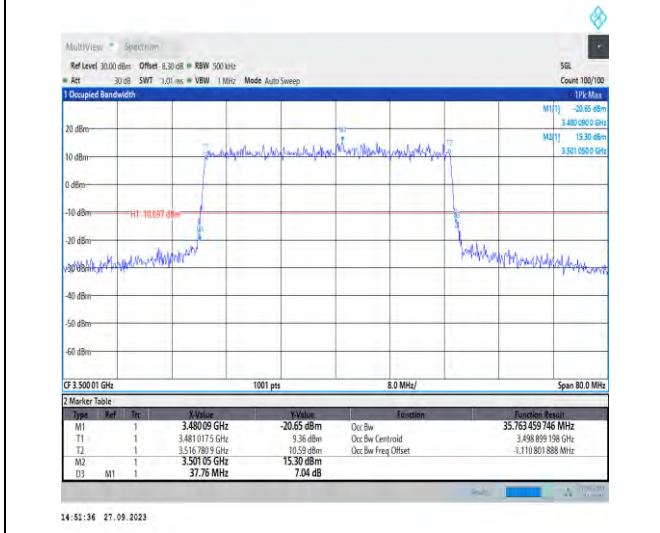
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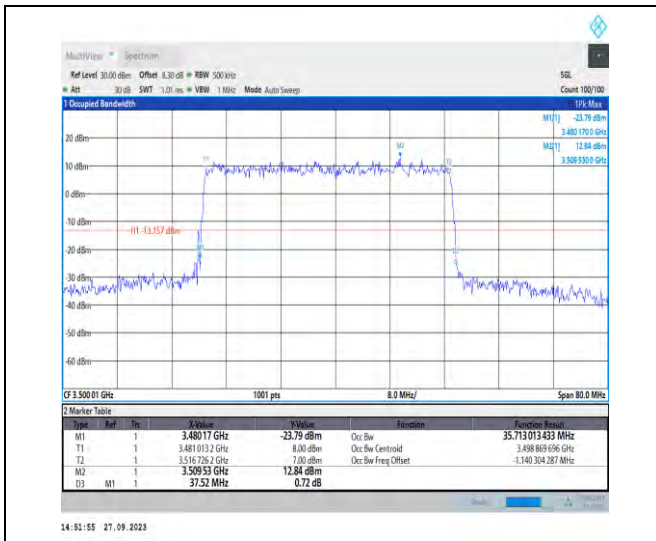
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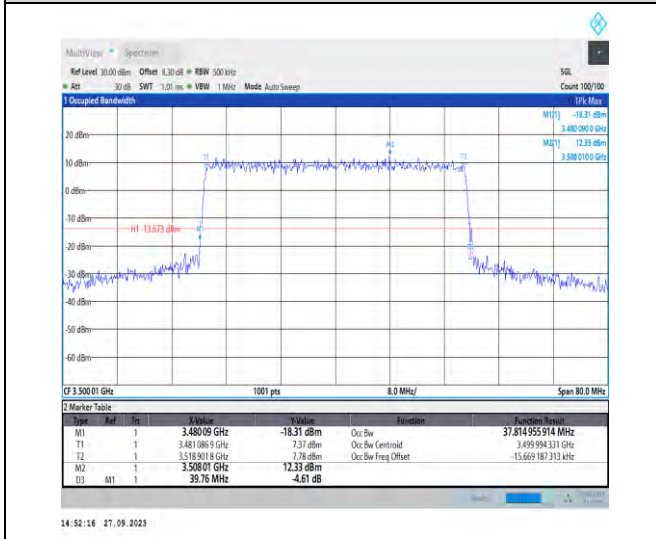
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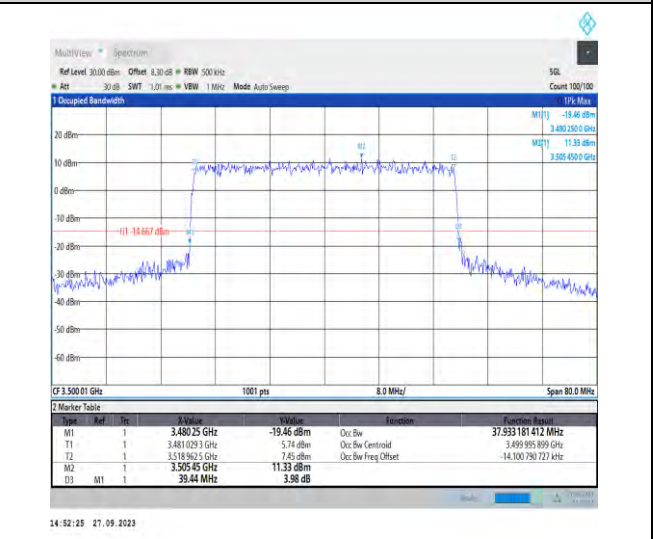
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1-N78-3450-3550-PC2-30-40-M-8-CP-64QAM-Outer\_Full-106@0-Ant7-37.933-39.440-≤40-PASS



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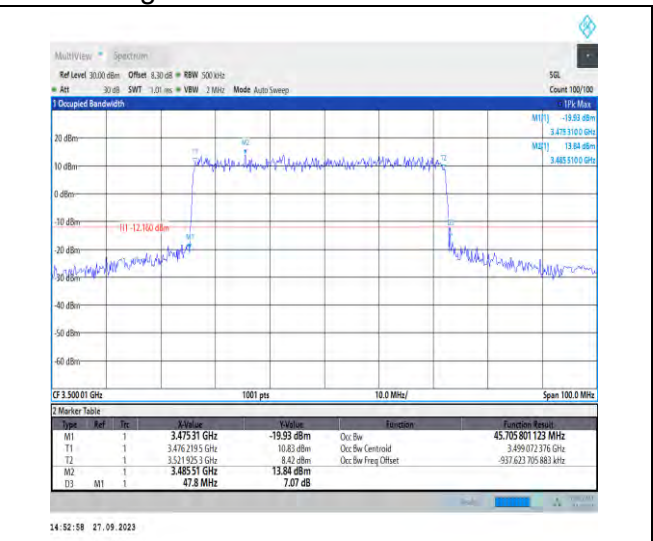
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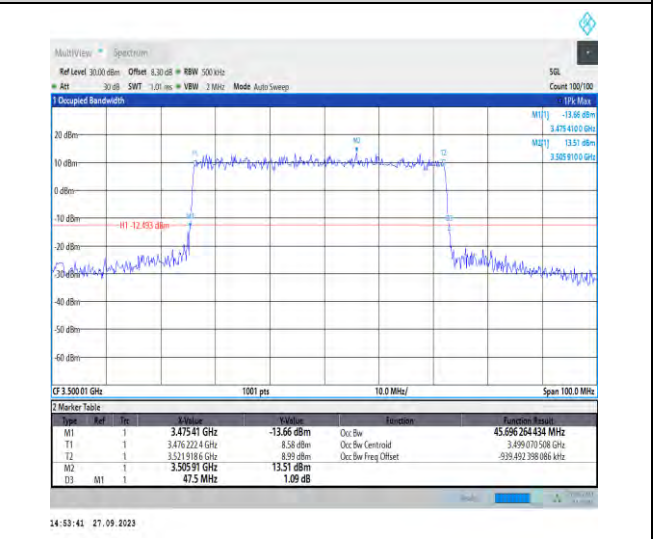
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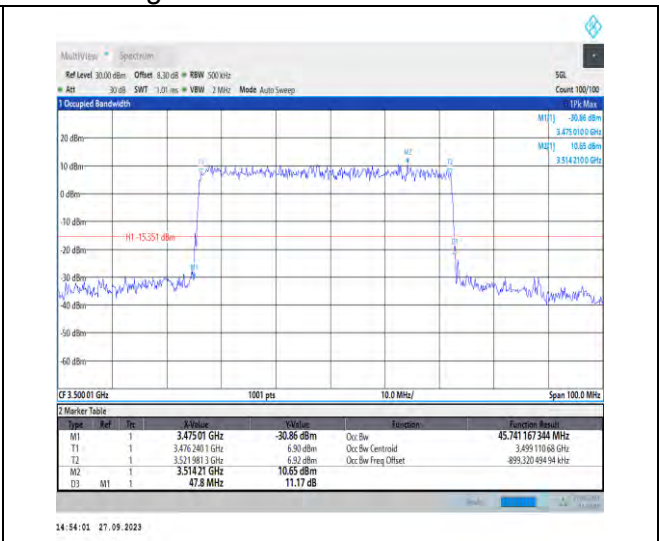


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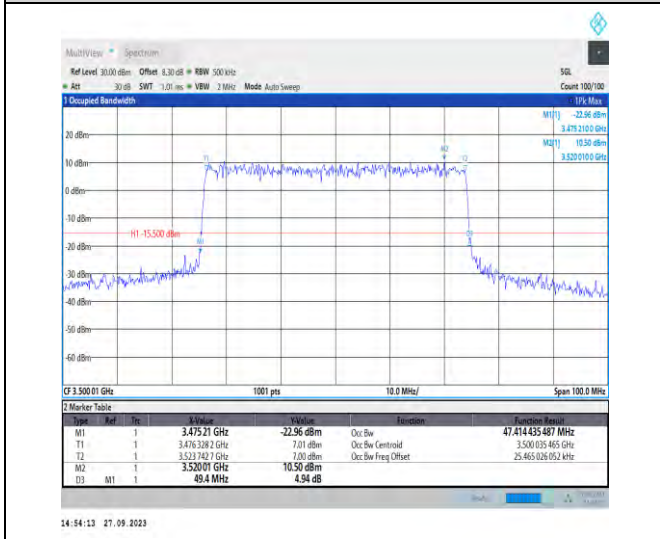
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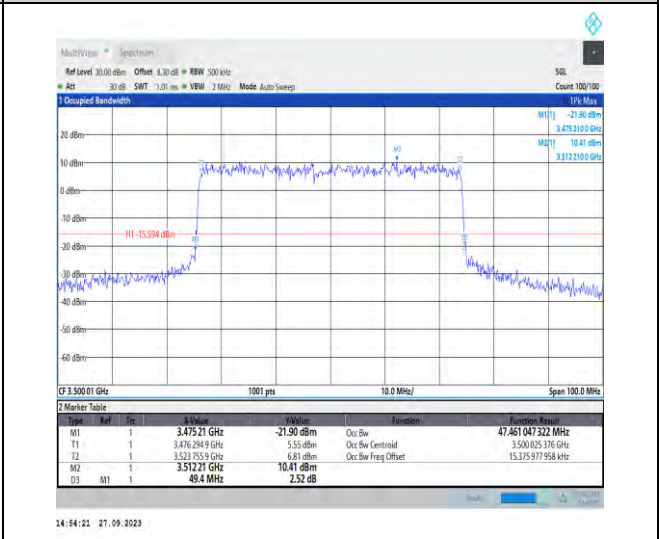
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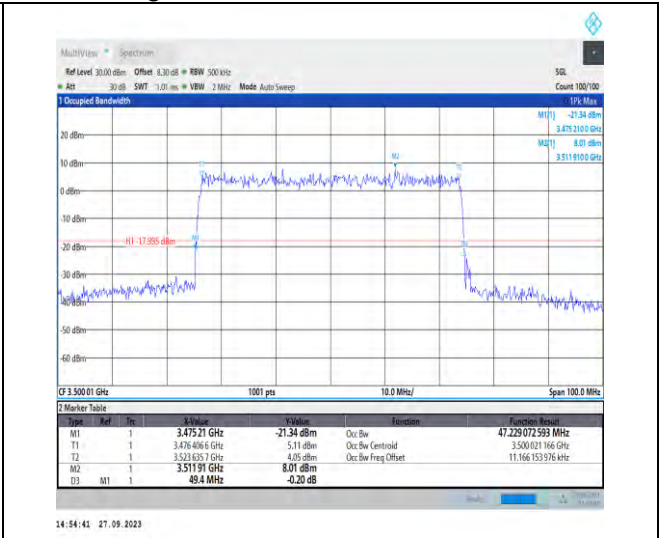
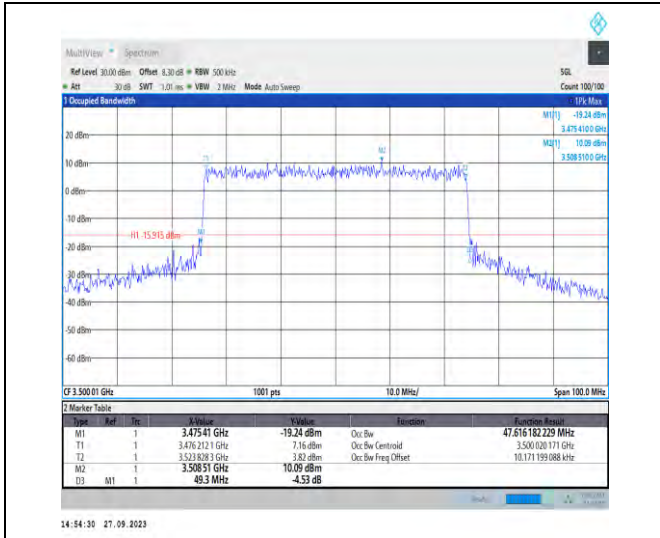
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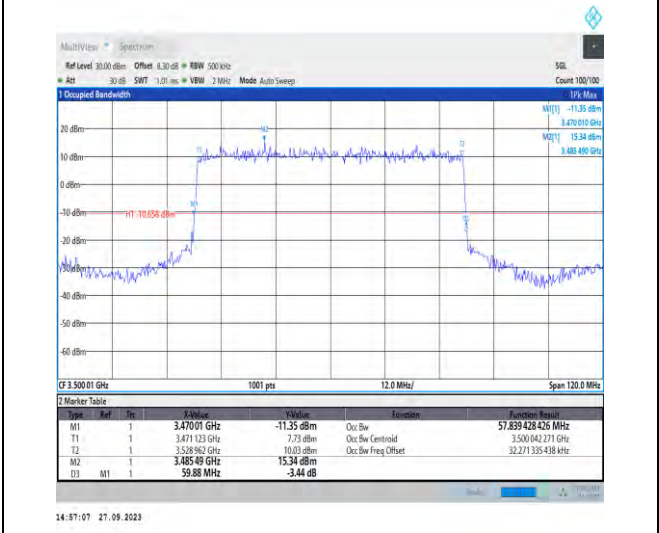
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1-N78-3450-3550-PC2-30-50-M-8-CP-64QAM-Outer\_Full-133@0-Ant7-47.616-49.300-≤50-PASS

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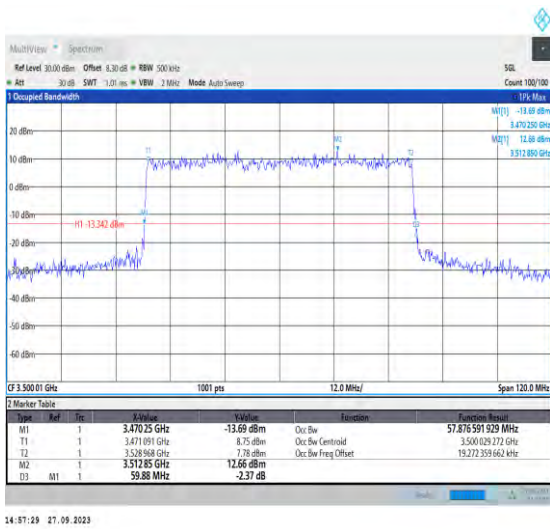
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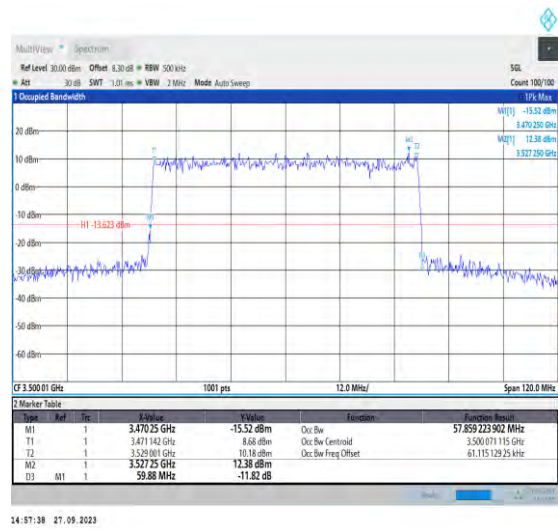
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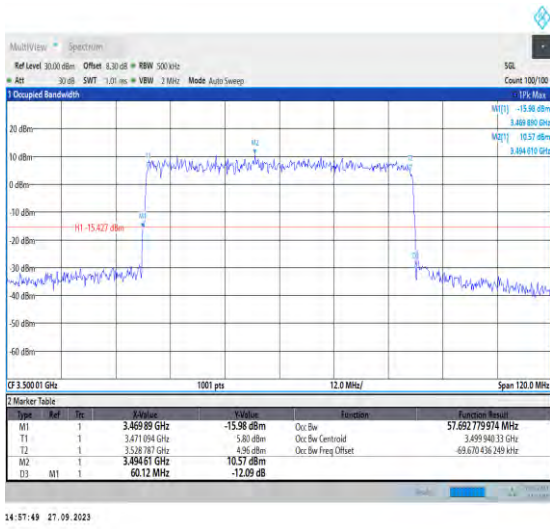
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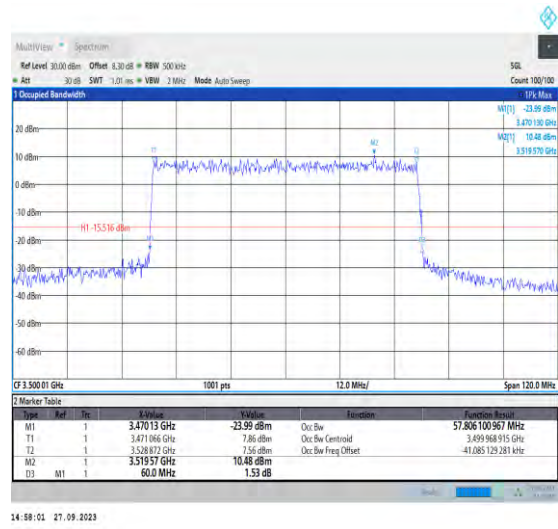
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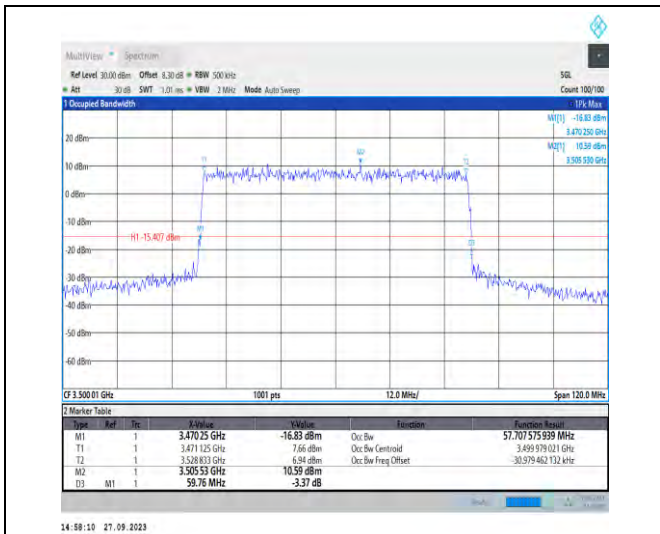
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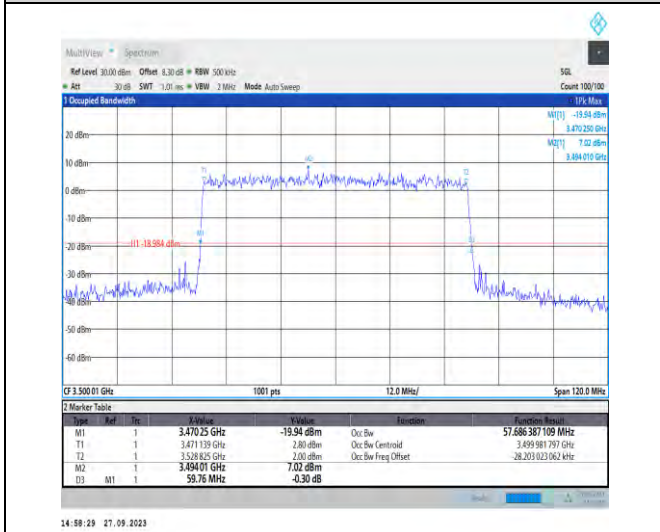
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1-N78-3450-3550-PC2-30-60-M-7-CP-16QAM-Outer\_Full-162@0-Ant7-57.708-59.760-≤60-PASS

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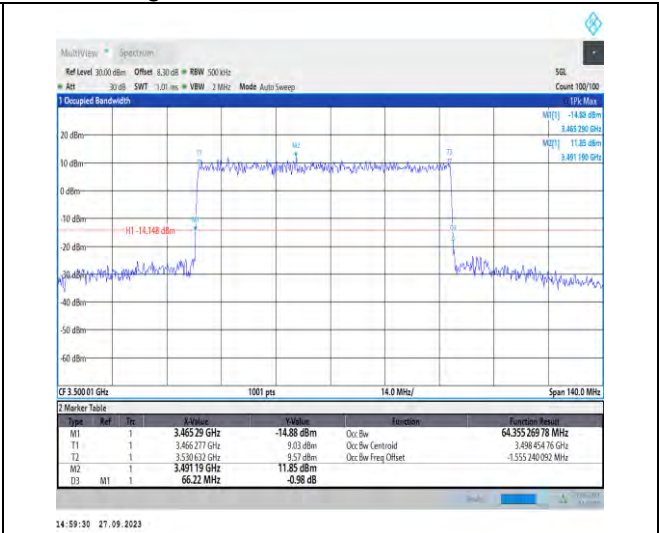
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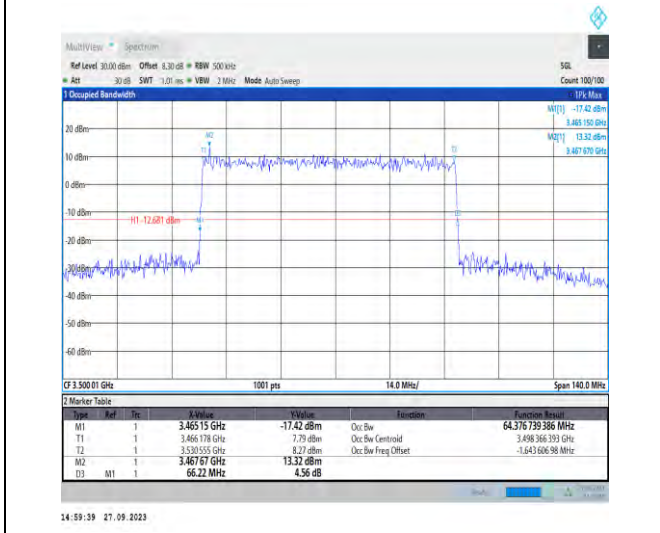
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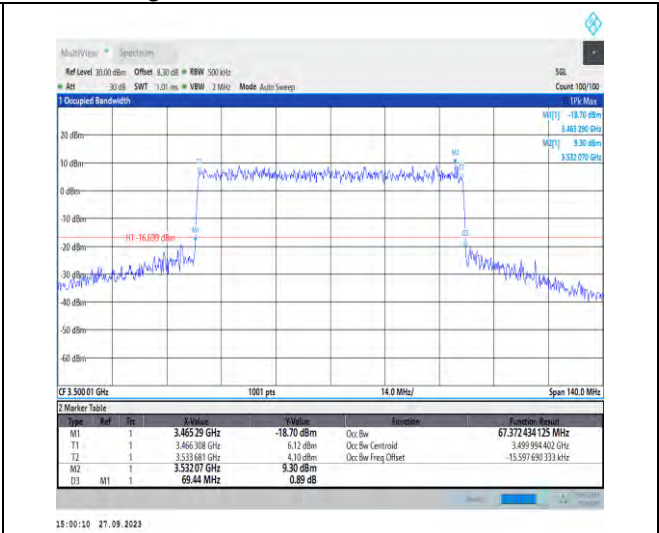
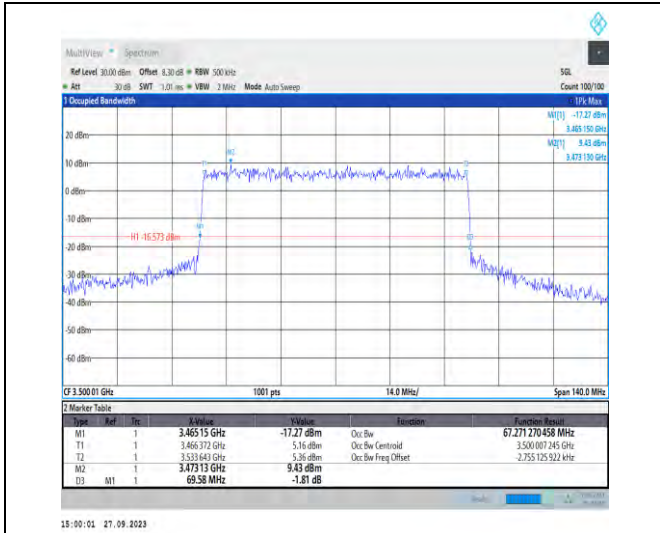
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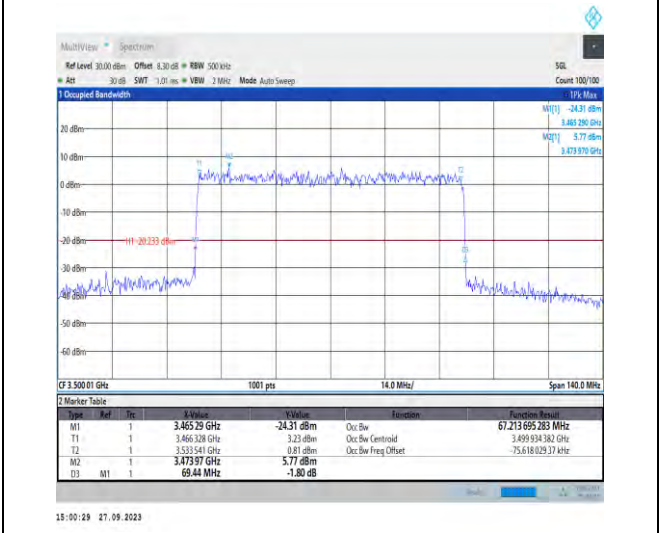
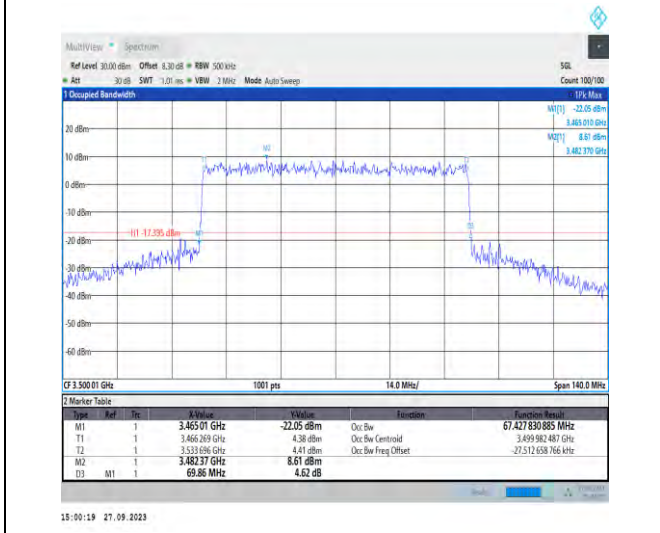
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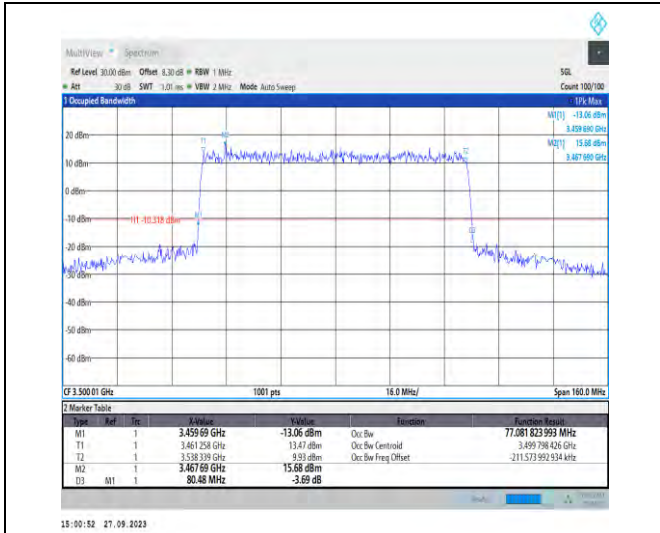
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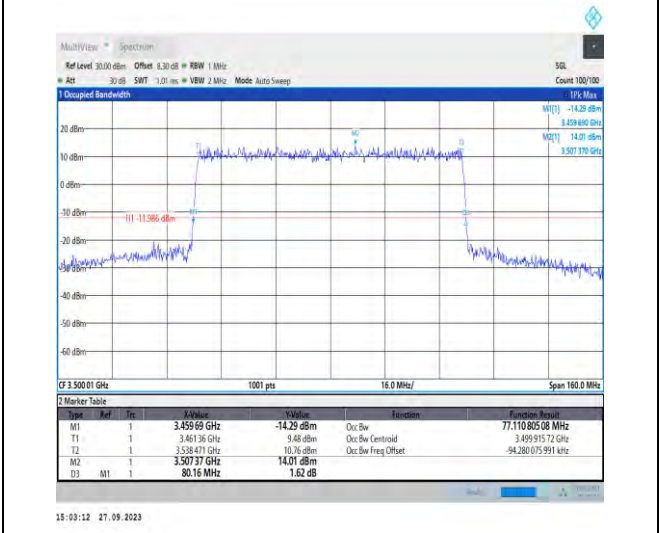
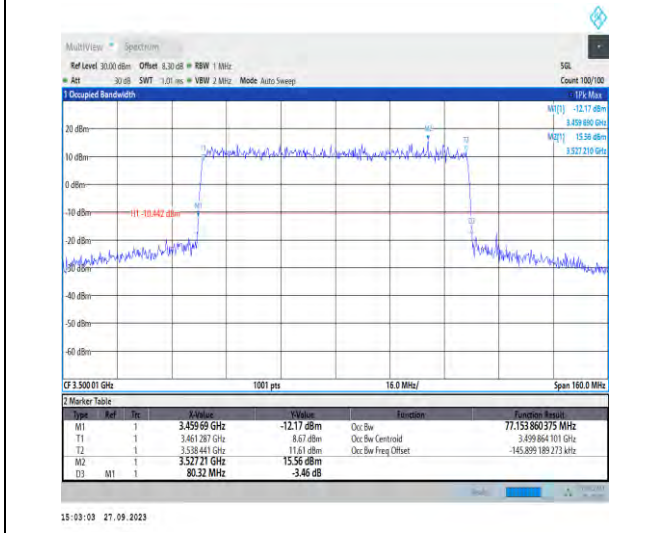
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1-N78-3450-3550-PC2-30-80-M-3-DFT-16QAM-Outer\_Full-216@0-Ant7-77.154-80.320-≤80-PASS

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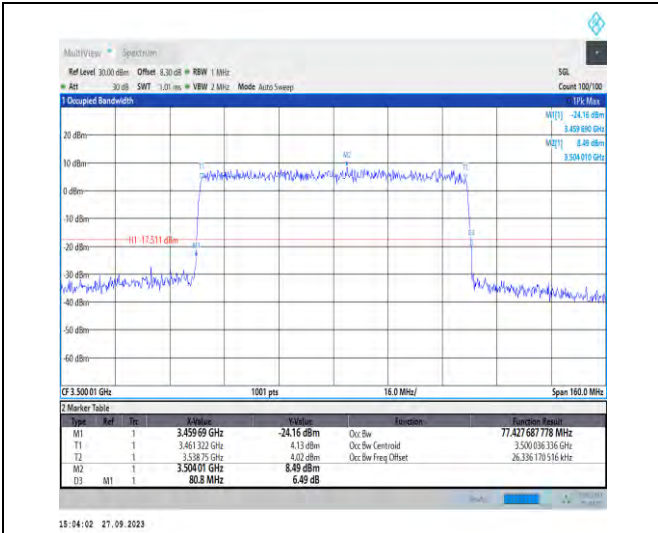
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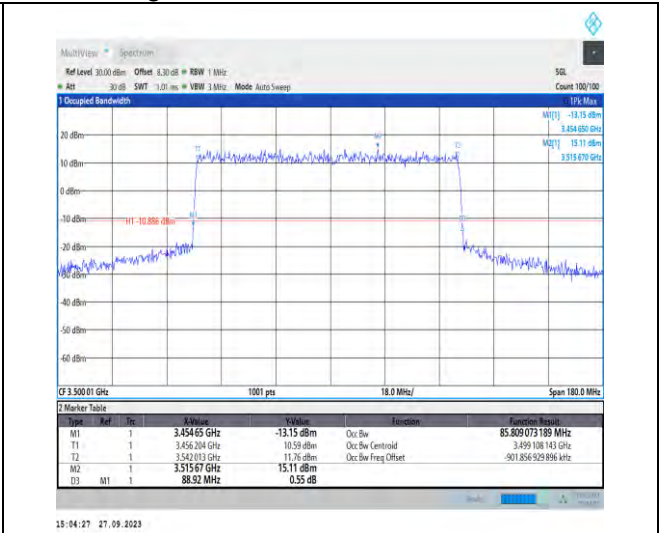
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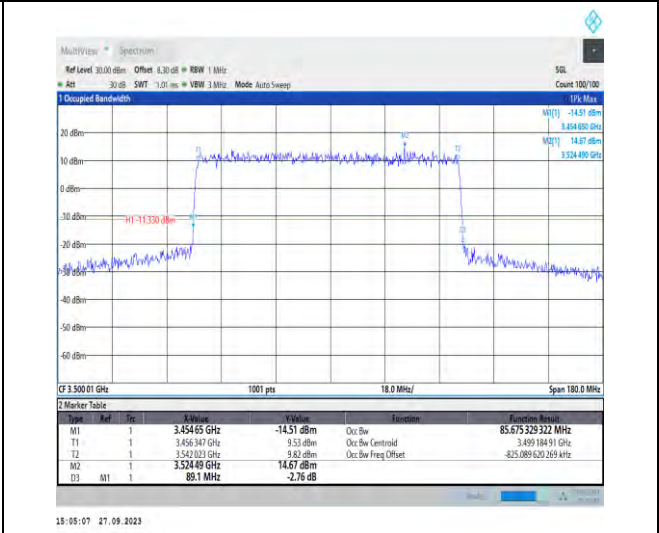
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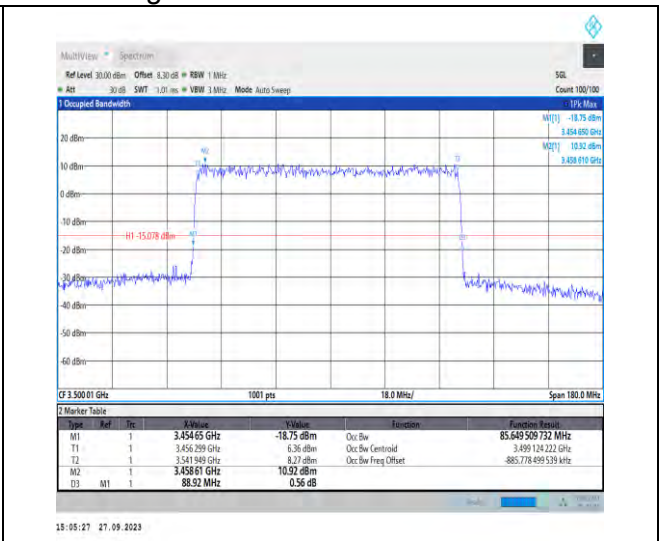
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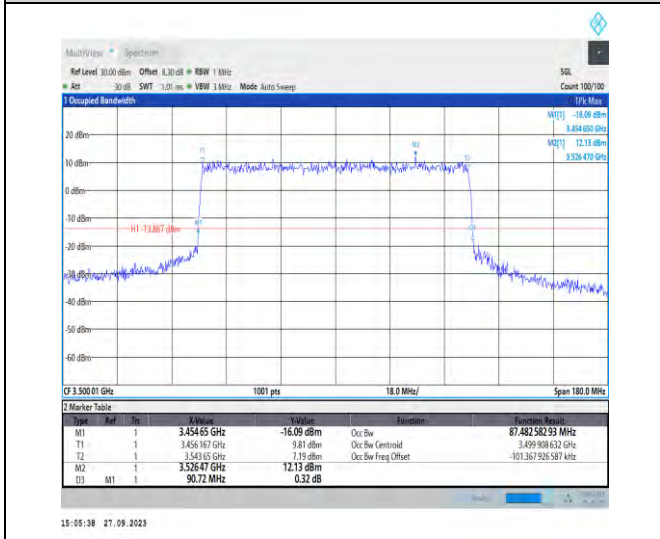




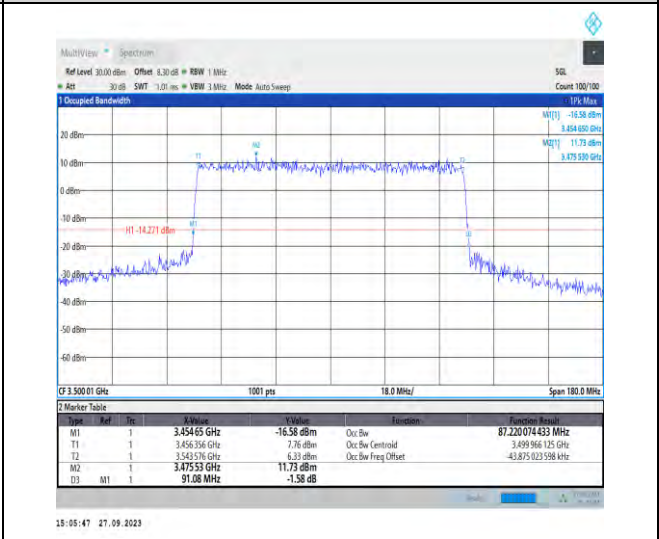
1-N78-3450-3550-PC2-30-90-M-4-DFT-64QAM-Outer\_Full-240@0-Ant7-85.555-88.920-≤90-PASS



1-N78-3450-3550-PC2-30-90-M-5-DFT-256QAM-Outer\_Full-240@0-Ant7-85.65-88.920-≤90-PASS



1-N78-3450-3550-PC2-30-90-M-6-CP-QPSK-Outer\_Full-245@0-Ant7-87.483-90.720-≤90-PASS

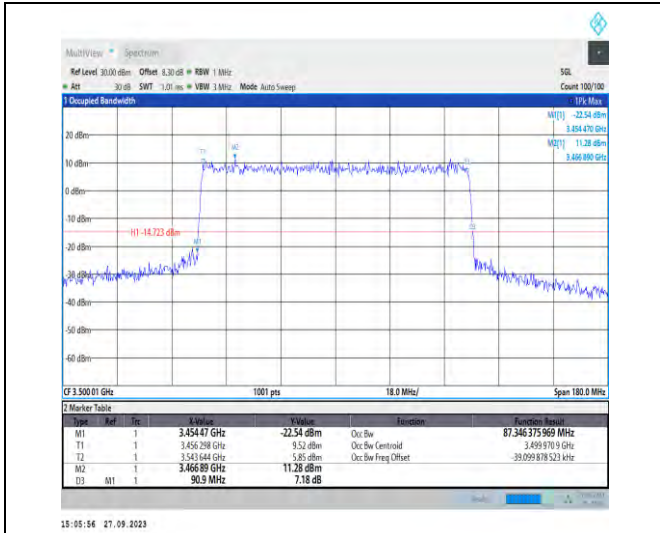


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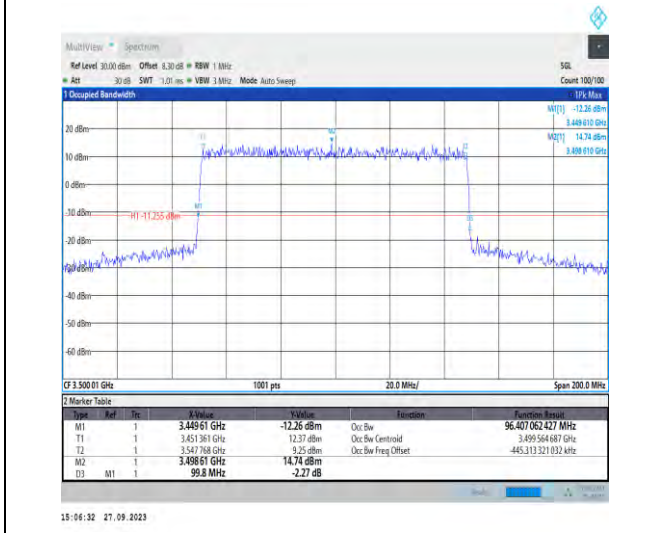
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1-N78-3450-3550-PC2-30-90-M-8-CP-64QAM-Outer\_Full-245@0-Ant7-87.346-90.900-≤90-PASS

1-N78-3450-3550-PC2-30-90-M-9-CP-256QAM-Out\_er\_Full-245@0-Ant7-87.237-90.720-≤90-PASS



1-N78-3450-3550-PC2-30-100-M-1-DFT-QPSK-Outer\_Full-270@0-Ant7-96.407-99.800-≤100-PASS

1-N78-3450-3550-PC2-30-100-M-2-DFT-PI2BPSK-Outer\_Full-270@0-Ant7-96.315-99.800-≤100-PASS



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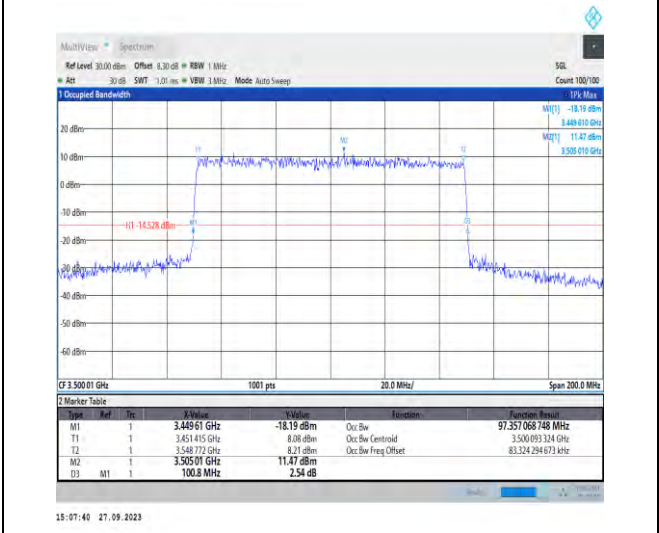
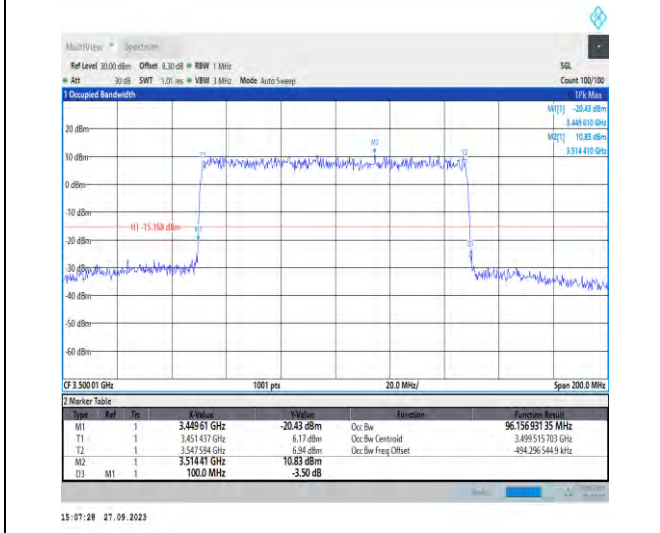
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1-N78-3450-3550-PC2-30-100-M-3-DFT-16QAM-Out er\_Full-270@0-Ant7-96.382-99.800-≤100-PASS

1-N78-3450-3550-PC2-30-100-M-4-DFT-64QAM-Out er\_Full-270@0-Ant7-96.44-100.000-≤100-PASS



1-N78-3450-3550-PC2-30-100-M-5-DFT-256QAM-Out er\_Full-270@0-Ant7-96.157-100.000-≤100-PASS

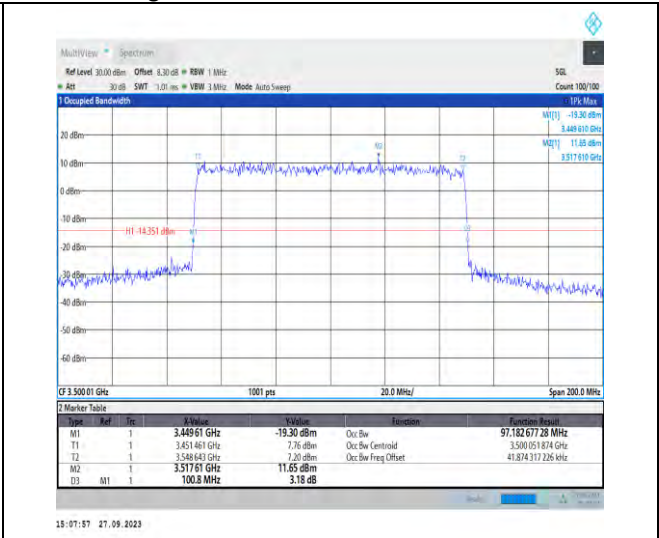
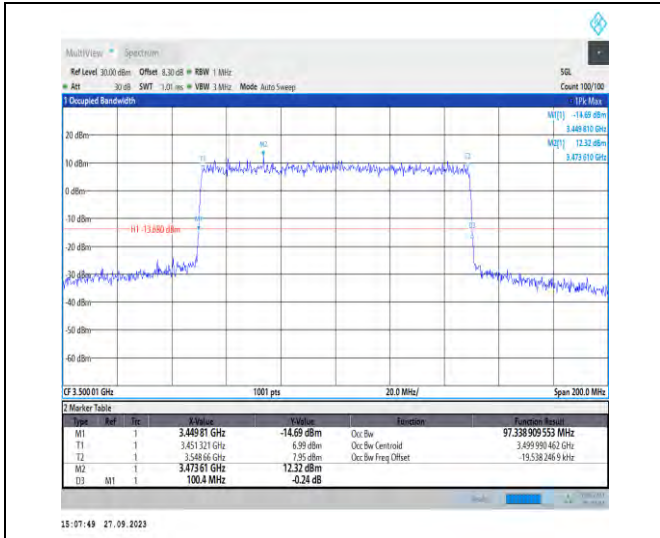
1-N78-3450-3550-PC2-30-100-M-6-CP-QPSK-Outer \_Full-273@0-Ant7-97.357-100.800-≤100-PASS



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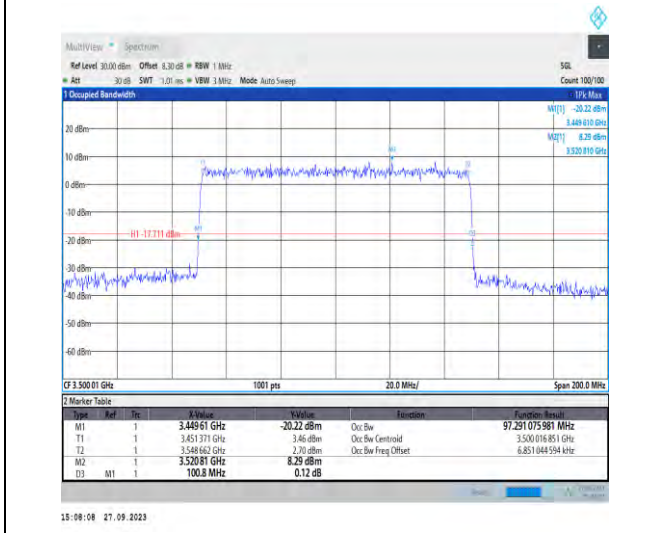
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1-N78-3450-3550-PC2-30-100-M-7-CP-16QAM-Outer\_Full-273@0-Ant7-97.339-100.400-≤100-PASS

1-N78-3450-3550-PC2-30-100-M-8-CP-64QAM-Outer\_Full-273@0-Ant7-97.183-100.800-≤100-PASS



1-N78-3450-3550-PC2-30-100-M-9-CP-256QAM-Outer\_Full-273@0-Ant7-97.291-100.800-≤100-PASS

1-N78-3450-3550-PC2-30-100-M-9-CP-256QAM-Outer\_Full-273@0-Ant7-97.291-100.800-≤100-PASS

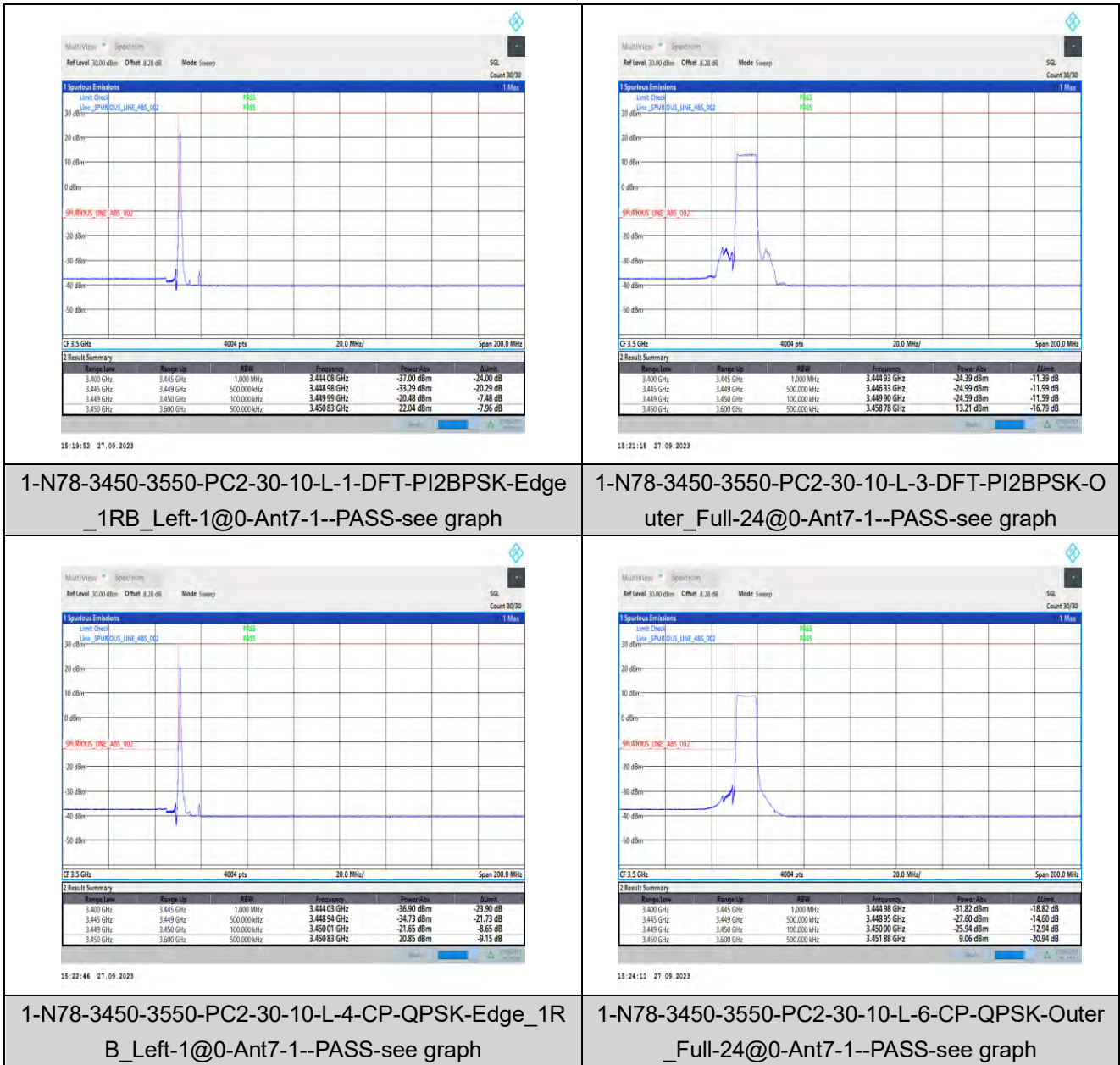


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## Band Edge for SA

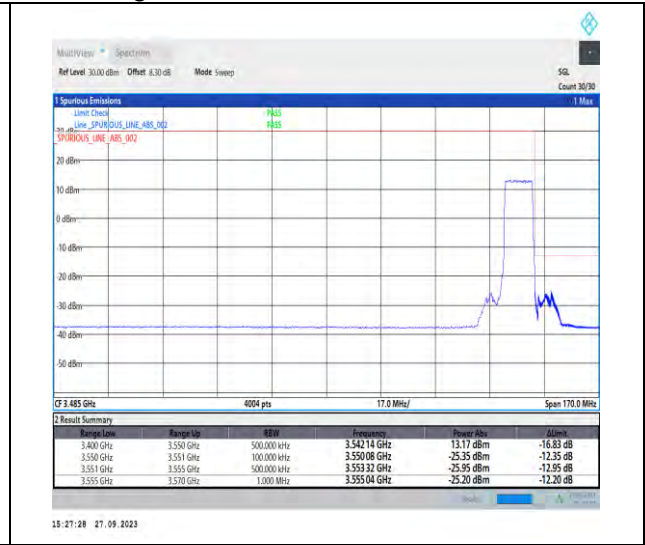
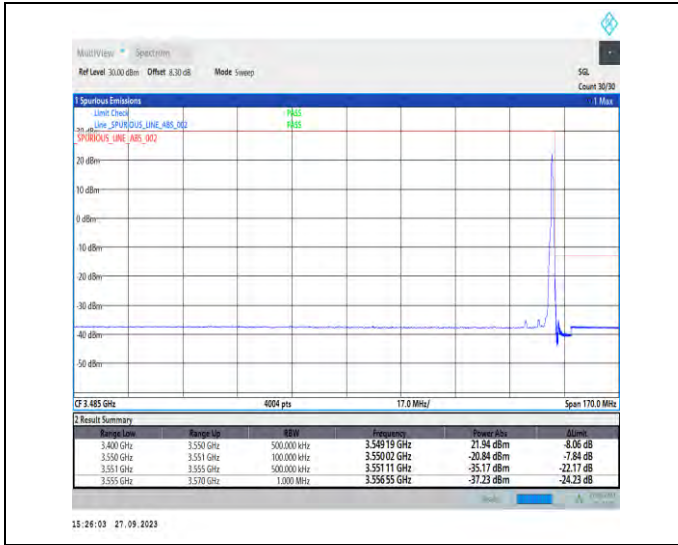
### Test Graphs



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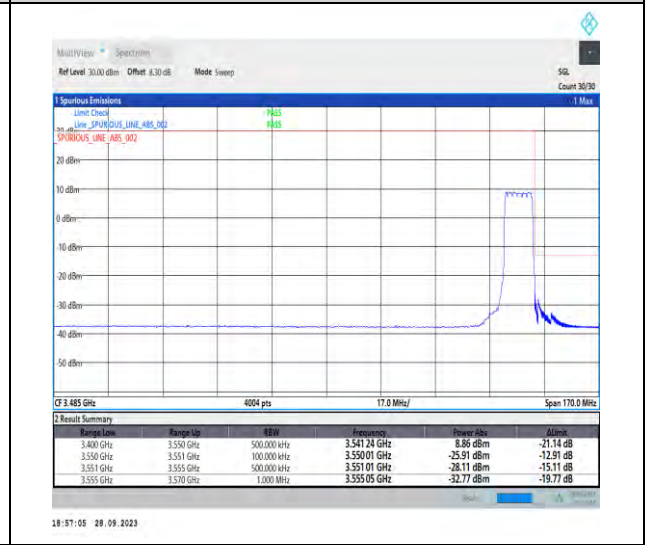
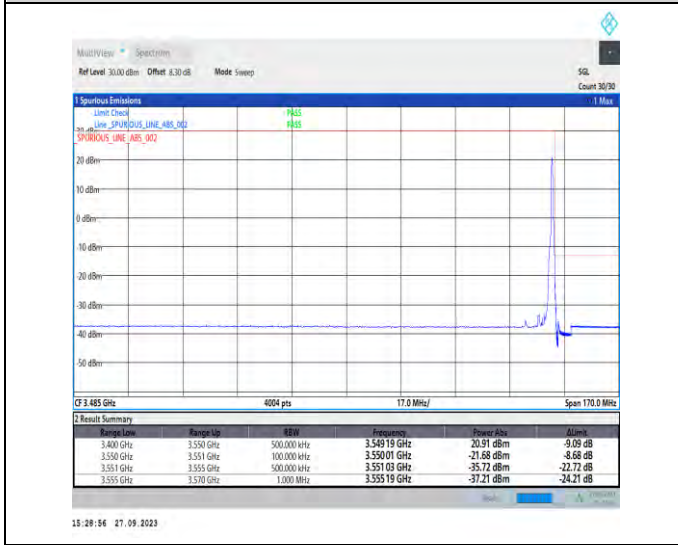
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1-N78-3450-3550-PC2-30-10-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@23-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-10-H-3-DFT-PI2BPSK-Outer\_Full-24@0-Ant7-1--PASS-see graph



1-N78-3450-3550-PC2-30-10-H-5-CP-QPSK-Edge\_1RB\_Right-1@23-Ant7-1--PASS-see graph

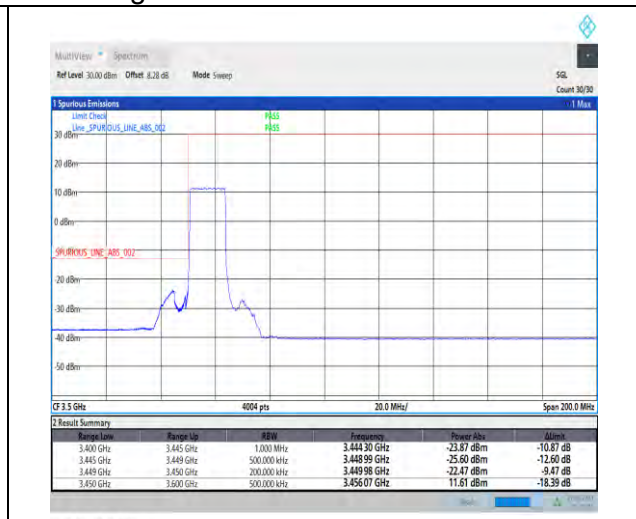
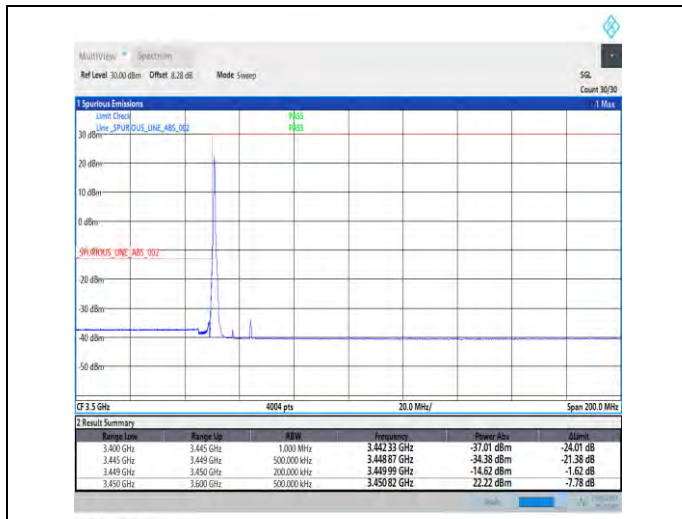
1-N78-3450-3550-PC2-30-10-H-6-CP-QPSK-Outer\_Full-24@0-Ant7-1--PASS-see graph



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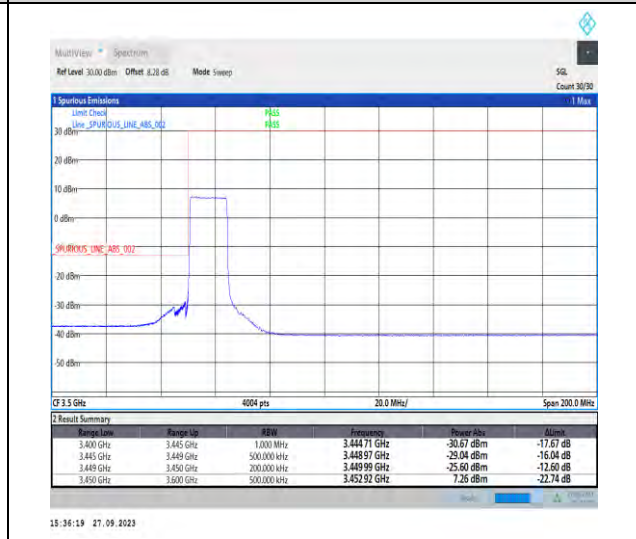
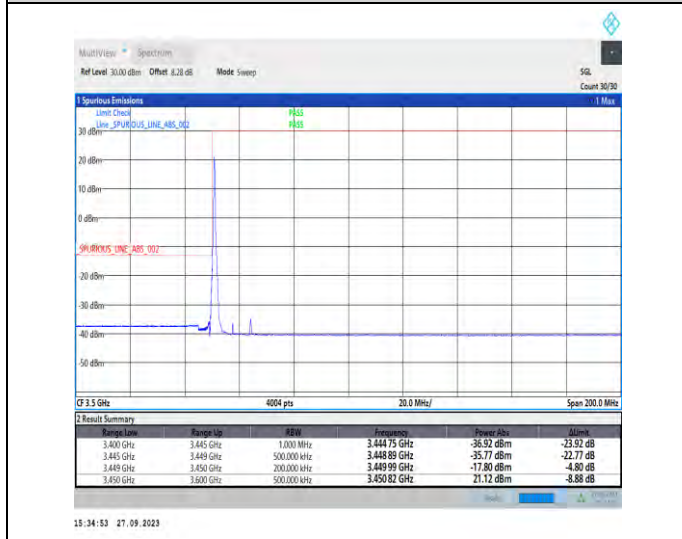
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1-N78-3450-3550-PC2-30-15-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-15-L-3-DFT-PI2BPSK-Outer\_Full-36@0-Ant7-1--PASS-see graph



1-N78-3450-3550-PC2-30-15-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant7-1--PASS-see graph

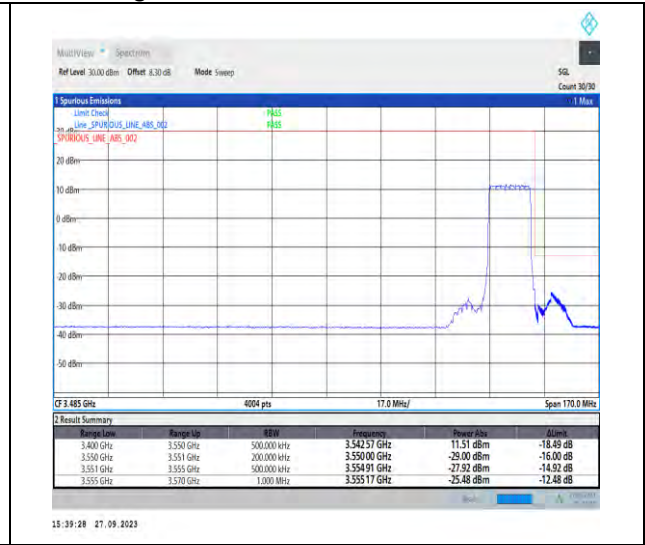
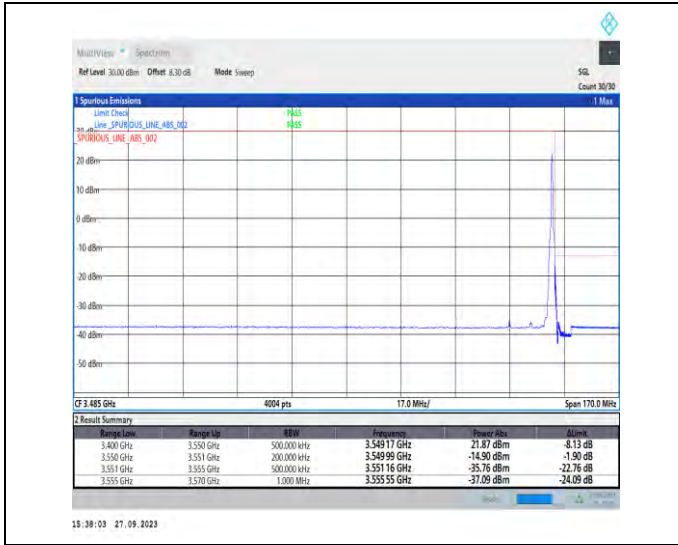
1-N78-3450-3550-PC2-30-15-L-6-CP-QPSK-Outer\_Full-38@0-Ant7-1--PASS-see graph



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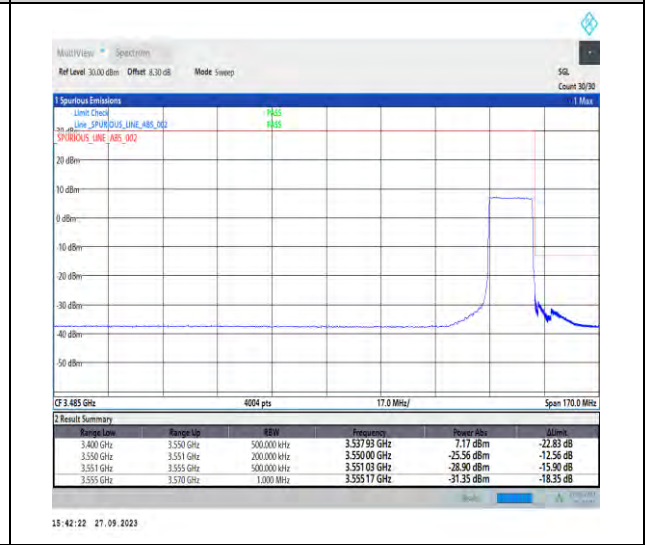
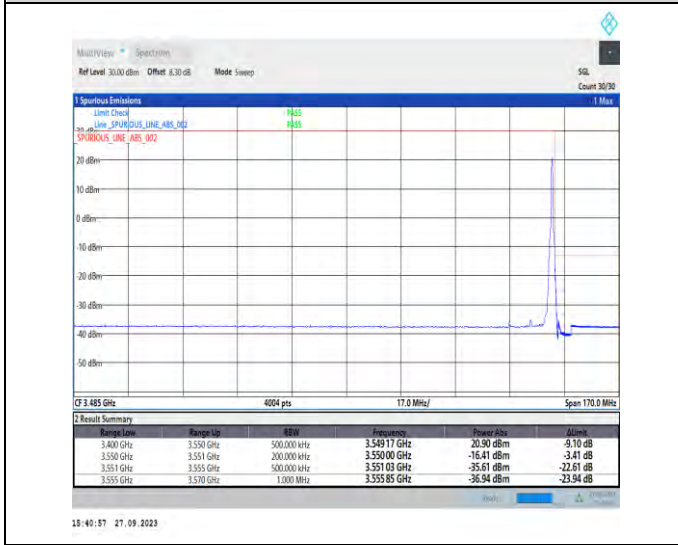
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1-N78-3450-3550-PC2-30-15-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@37-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-15-H-3-DFT-PI2BPSK-Outer\_Full-36@0-Ant7-1--PASS-see graph



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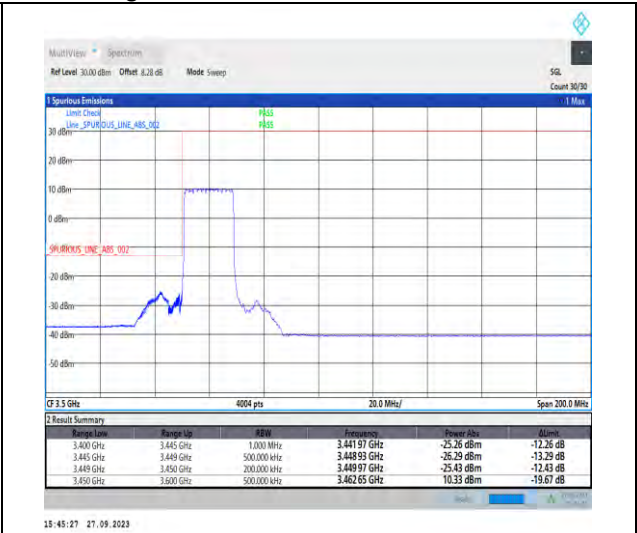
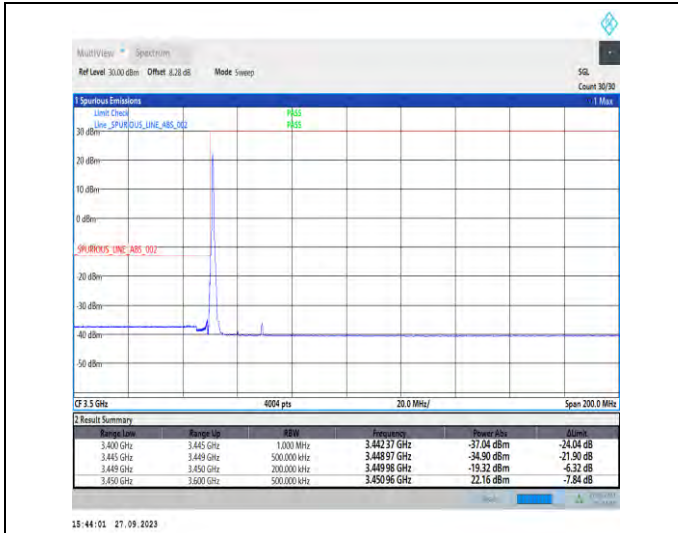
1-N78-3450-3550-PC2-30-15-H-6-CP-QPSK-Outer\_Full-38@0-Ant7-1--PASS-see graph



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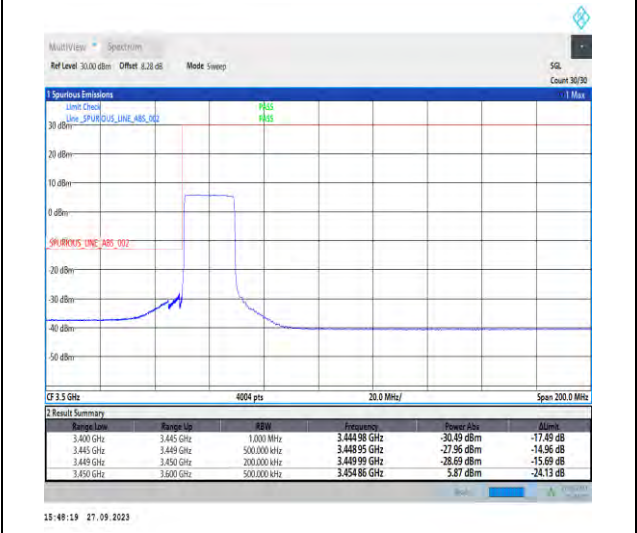
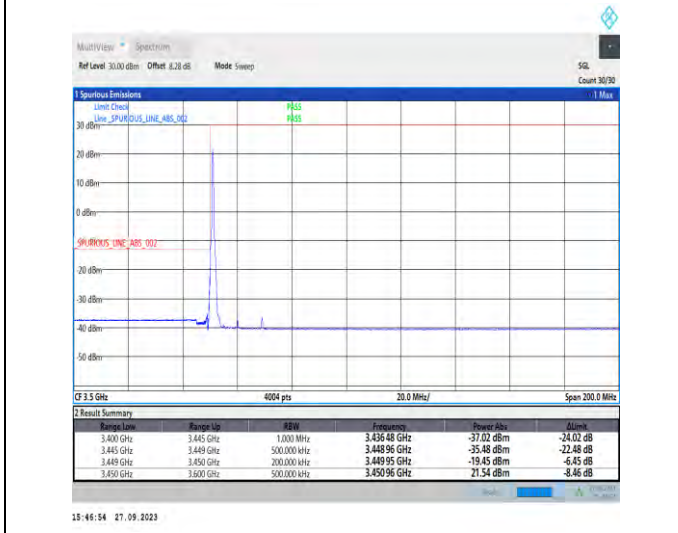
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1-N78-3450-3550-PC2-30-20-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-20-L-3-DFT-PI2BPSK-Outer\_Full-50@0-Ant7-1--PASS-see graph



1-N78-3450-3550-PC2-30-20-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant7-1--PASS-see graph

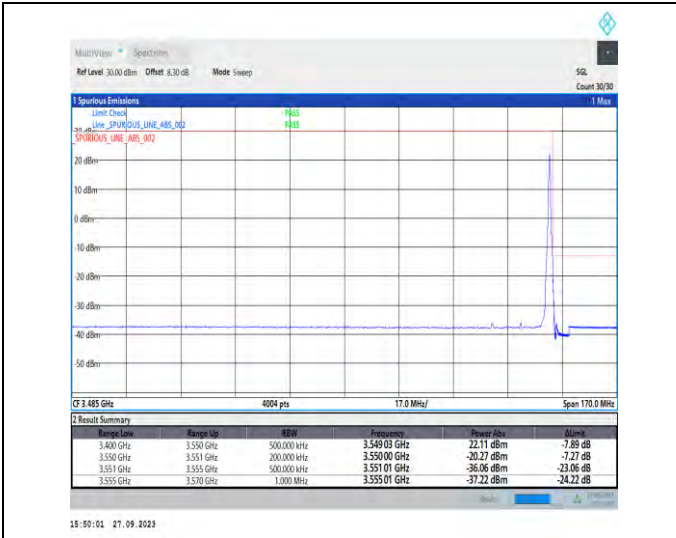
1-N78-3450-3550-PC2-30-20-L-6-CP-QPSK-Outer\_Full-51@0-Ant7-1--PASS-see graph



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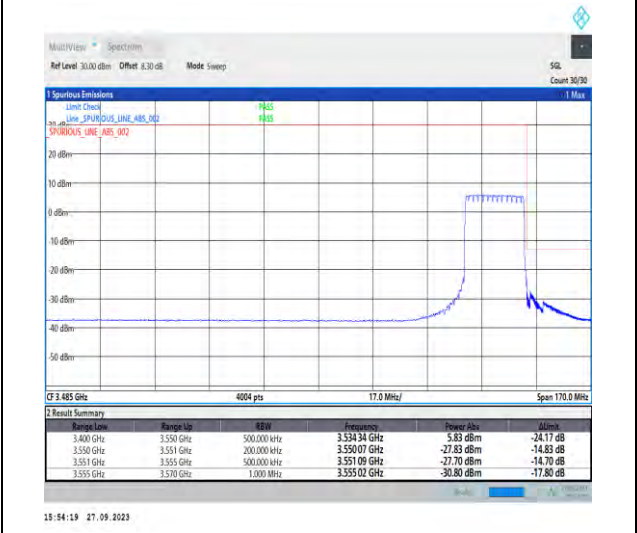
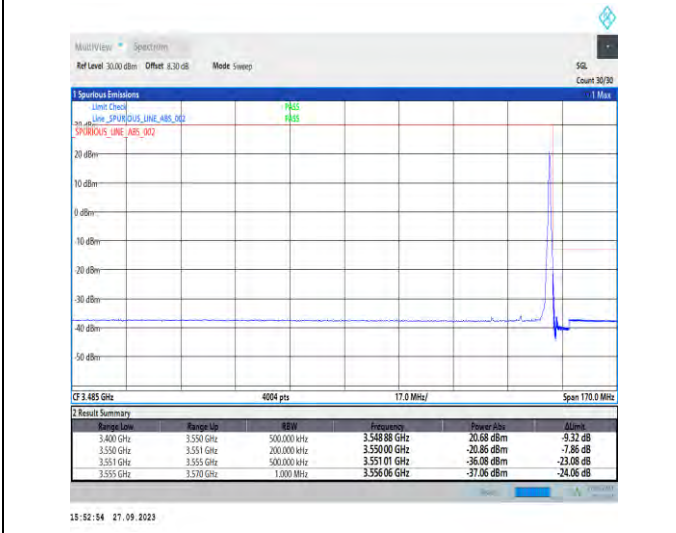
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1-N78-3450-3550-PC2-30-20-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@50-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-20-H-3-DFT-PI2BPSK-Outer\_Full-50@0-Ant7-1--PASS-see graph



1-N78-3450-3550-PC2-30-20-H-5-CP-QPSK-Edge\_1RB\_Right-1@50-Ant7-1--PASS-see graph

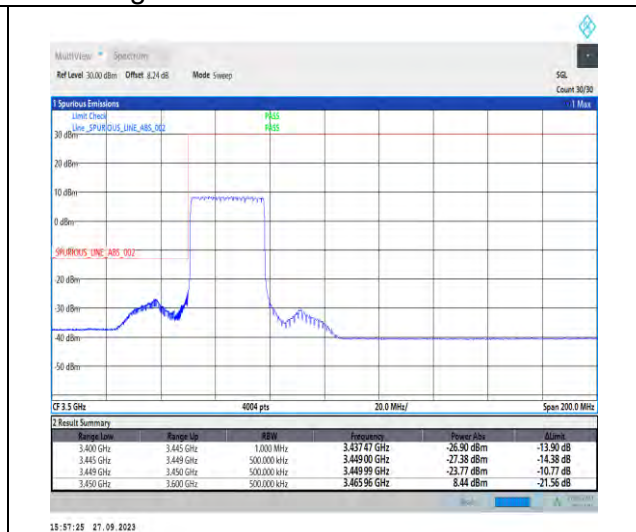
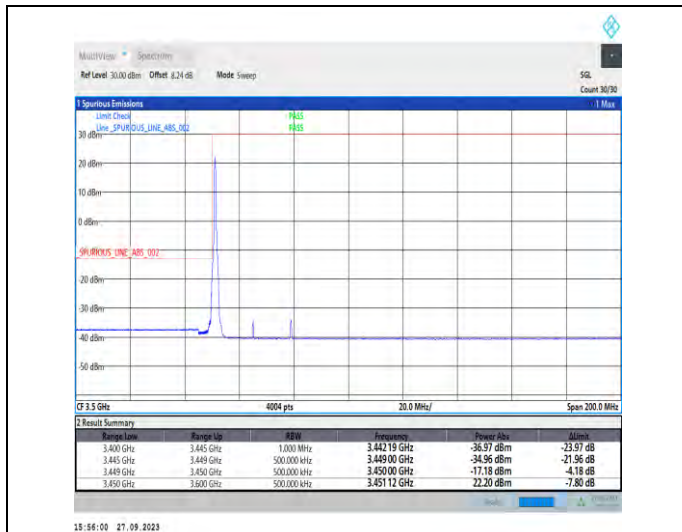
1-N78-3450-3550-PC2-30-20-H-6-CP-QPSK-Outer\_Full-51@0-Ant7-1--PASS-see graph



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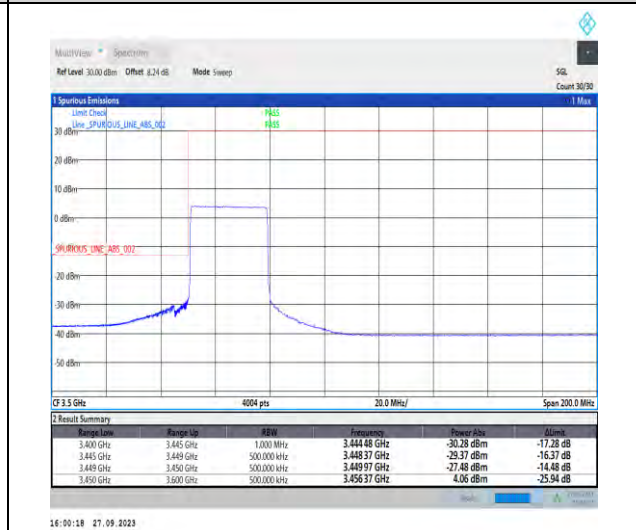
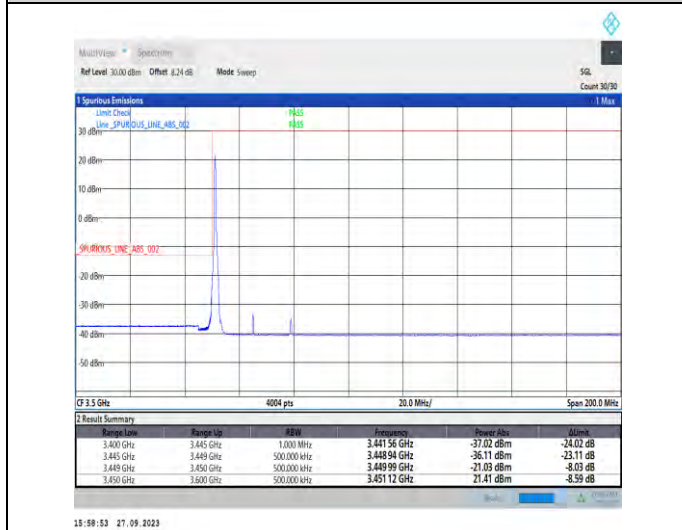
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1-N78-3450-3550-PC2-30-30-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-30-L-3-DFT-PI2BPSK-Outer\_Full-75@0-Ant7-1--PASS-see graph



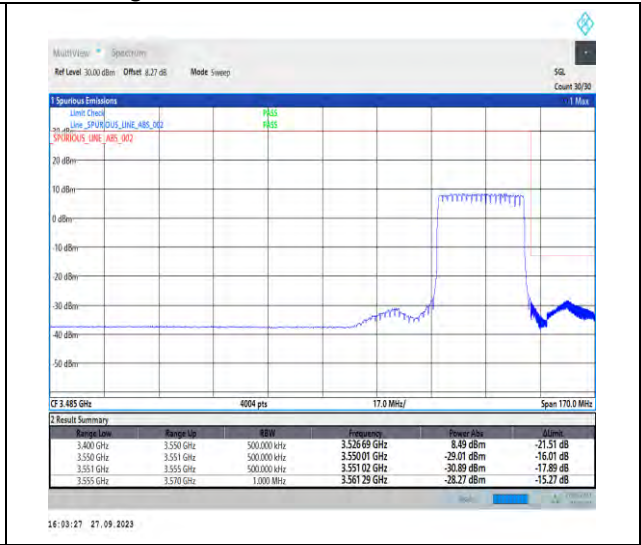
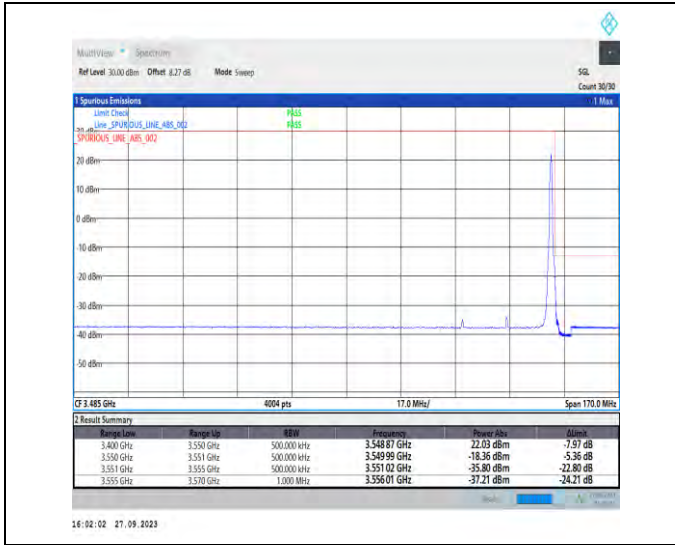
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1-N78-3450-3550-PC2-30-30-L-6-CP-QPSK-Outer\_Full-78@0-Ant7-1--PASS-see graph



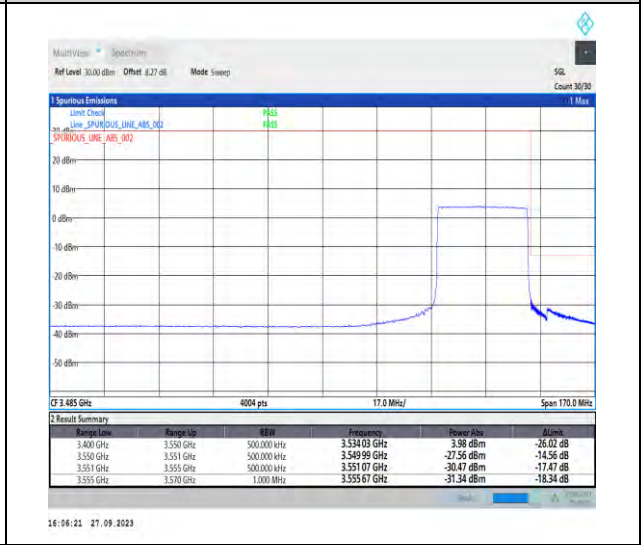
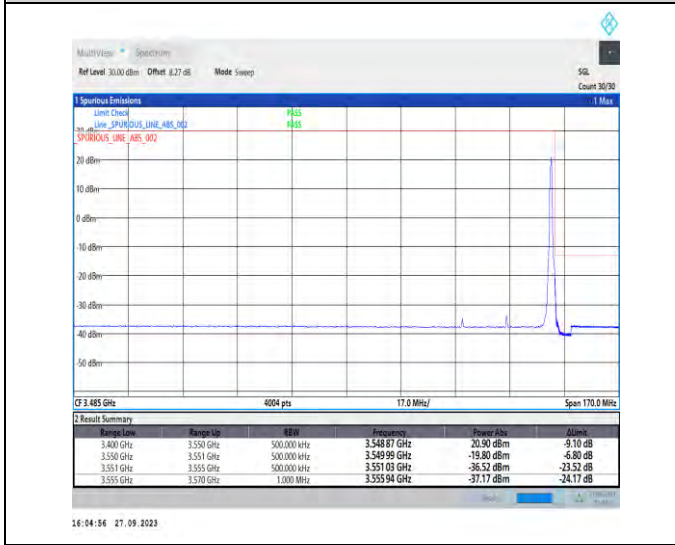
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1-N78-3450-3550-PC2-30-30-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@77-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-30-H-3-DFT-PI2BPSK-Outer\_Full-75@0-Ant7-1--PASS-see graph



1-N78-3450-3550-PC2-30-30-H-5-CP-QPSK-Edge\_1RB\_Right-1@77-Ant7-1--PASS-see graph

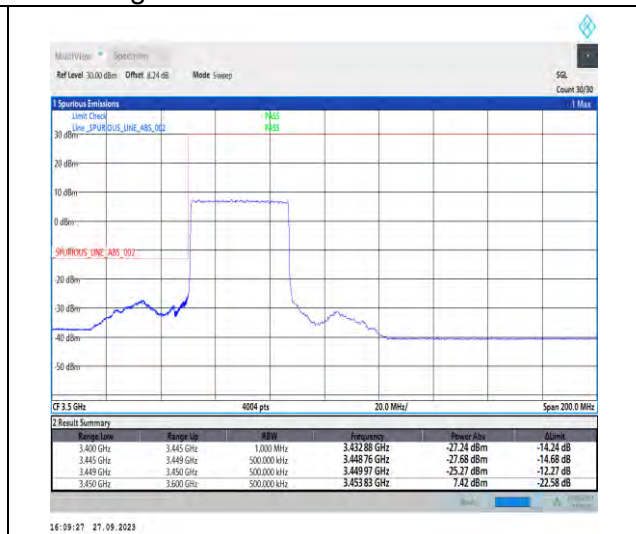
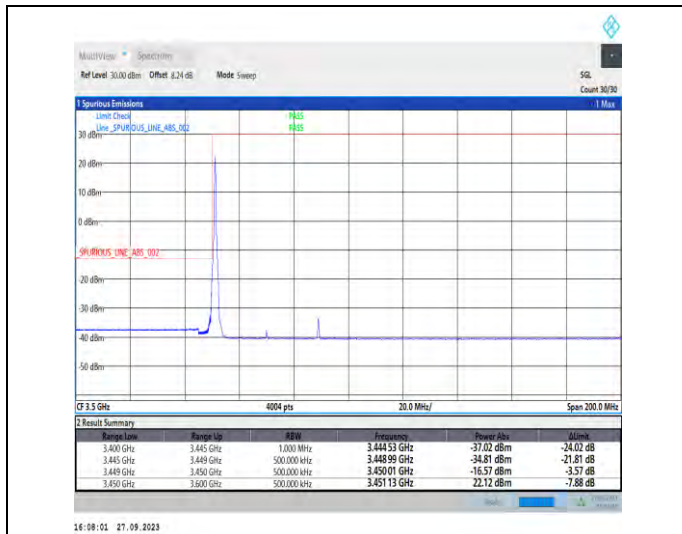
1-N78-3450-3550-PC2-30-30-H-6-CP-QPSK-Outer\_Full-78@0-Ant7-1--PASS-see graph



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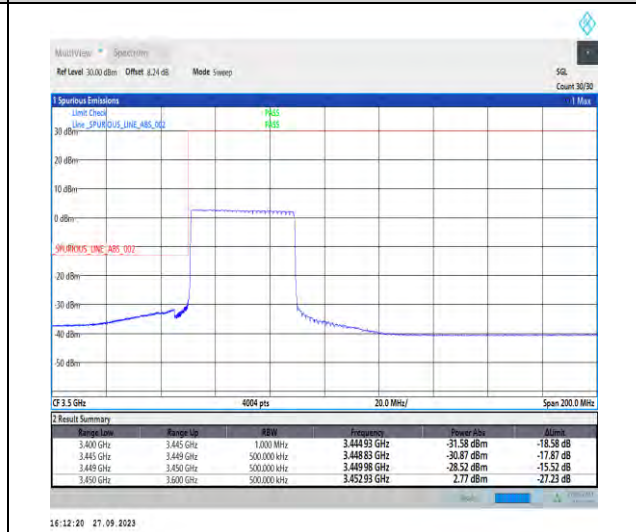
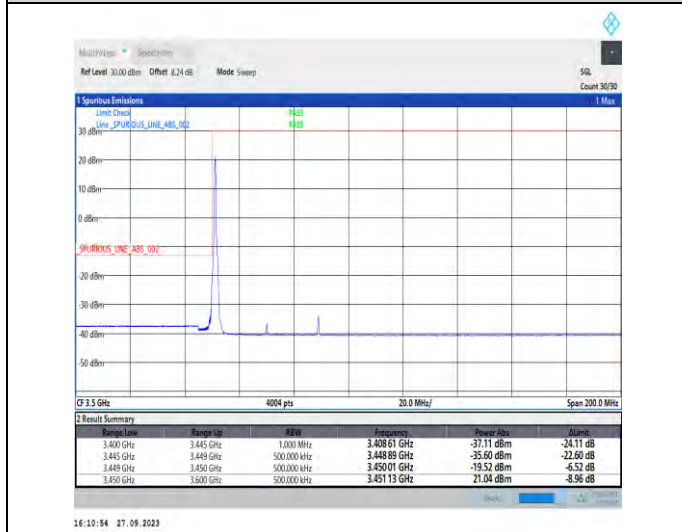
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1-N78-3450-3550-PC2-30-40-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-40-L-3-DFT-PI2BPSK-Outer\_Full-100@0-Ant7-1--PASS-see graph



1-N78-3450-3550-PC2-30-40-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant7-1--PASS-see graph

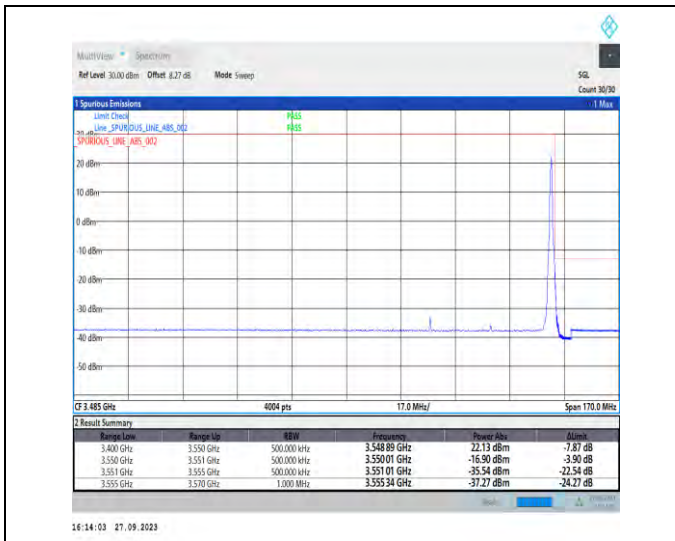
1-N78-3450-3550-PC2-30-40-L-6-CP-QPSK-Outer\_Full-106@0-Ant7-1--PASS-see graph



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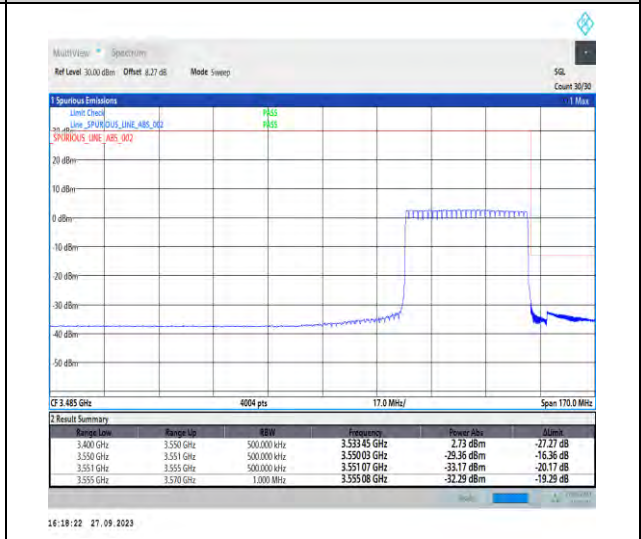
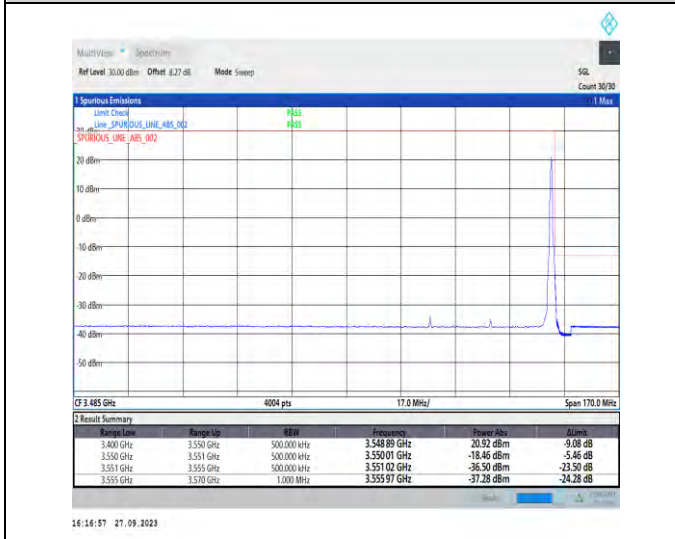
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1-N78-3450-3550-PC2-30-40-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@105-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-40-H-3-DFT-PI2BPSK-Outer\_Full-100@0-Ant7-1--PASS-see graph



1-N78-3450-3550-PC2-30-40-H-5-CP-QPSK-Edge\_1RB\_Right-1@105-Ant7-1--PASS-see graph

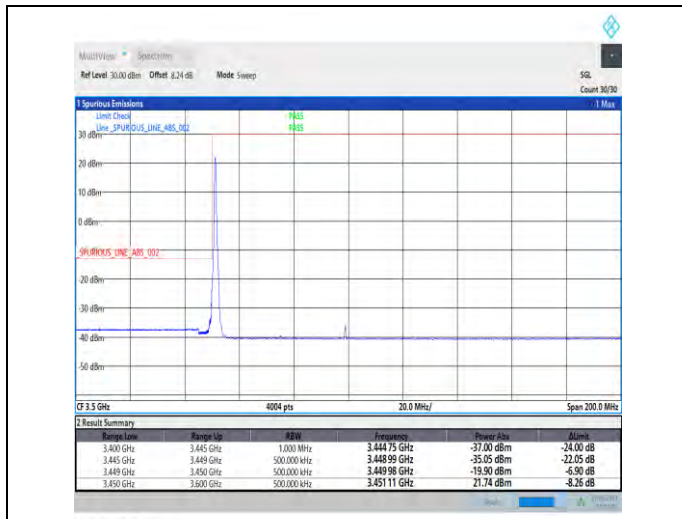
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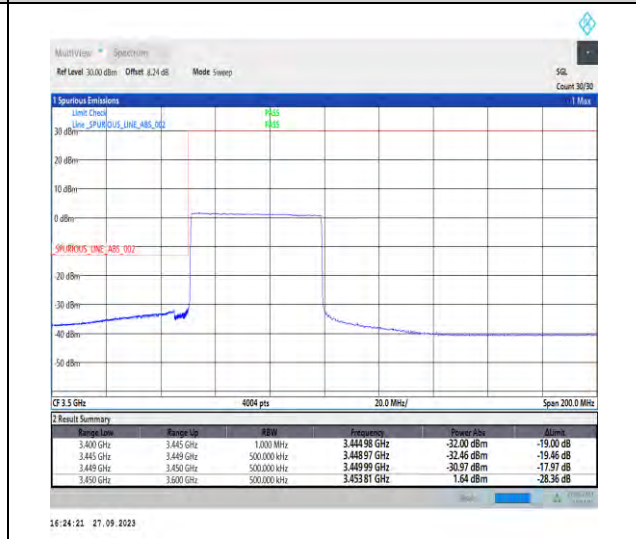
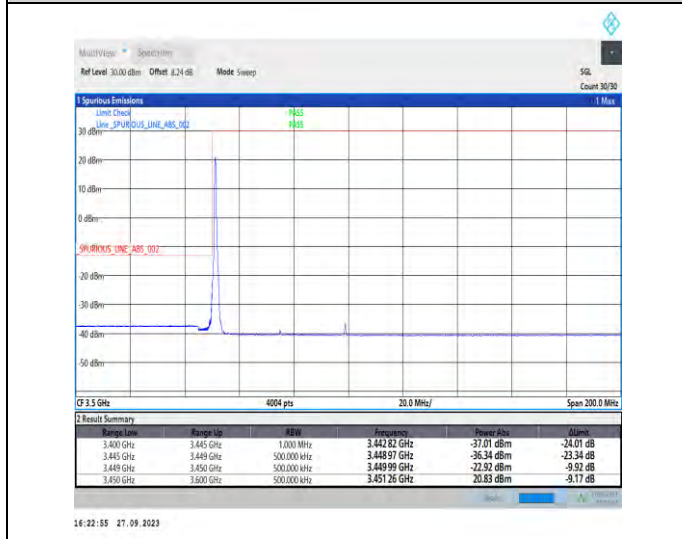
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1-N78-3450-3550-PC2-30-50-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-50-L-3-DFT-PI2BPSK-Outer\_Full-128@0-Ant7-1--PASS-see graph



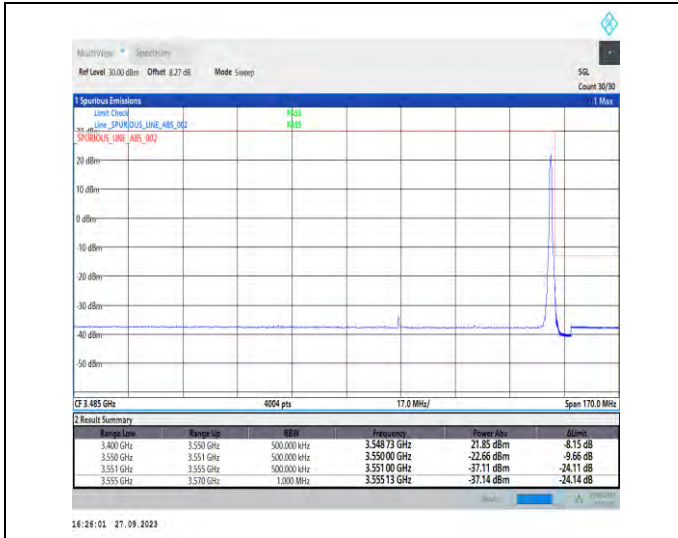
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1-N78-3450-3550-PC2-30-50-L-6-CP-QPSK-Outer\_Full-133@0-Ant7-1--PASS-see graph



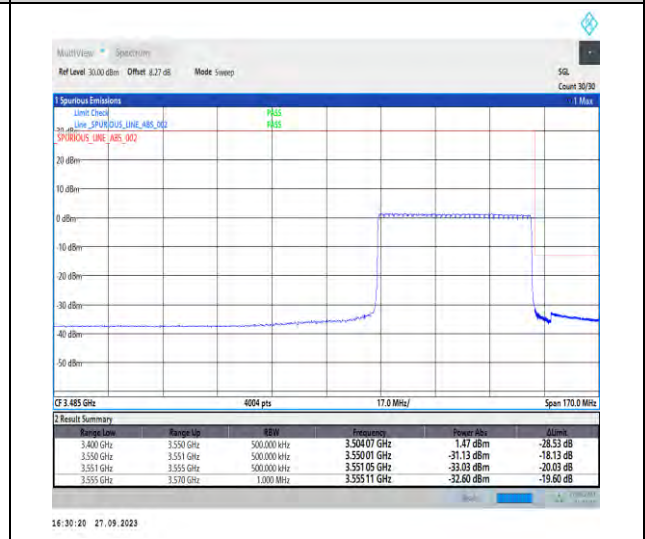
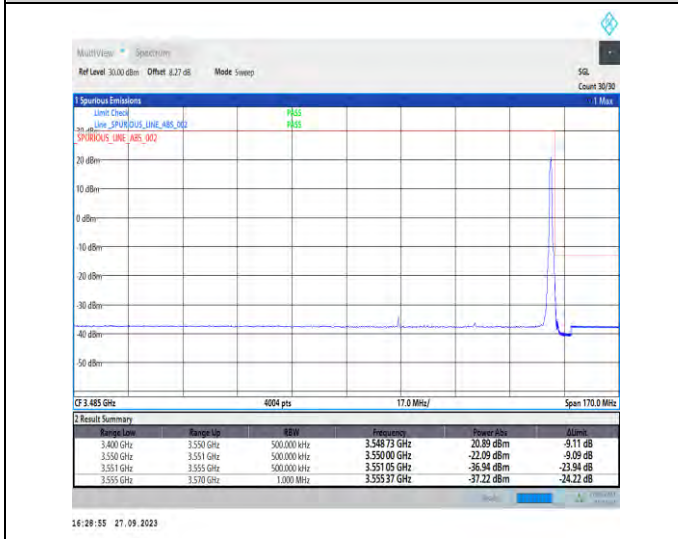
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1-N78-3450-3550-PC2-30-50-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@132-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-50-H-3-DFT-PI2BPSK-Outer\_Full-128@0-Ant7-1--PASS-see graph



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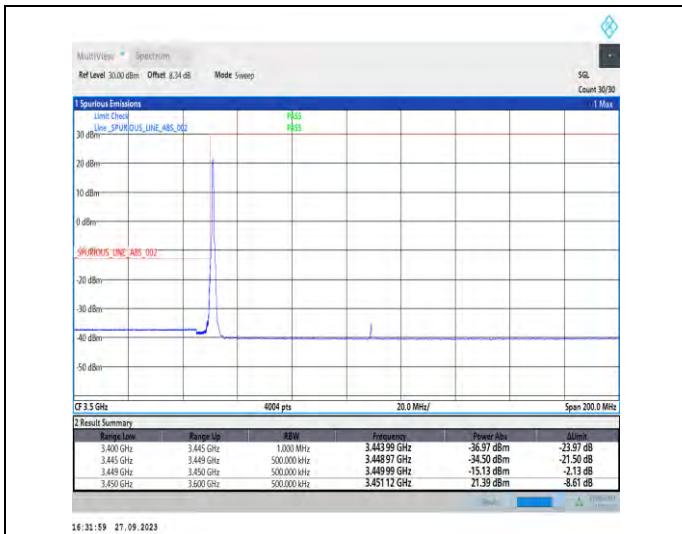
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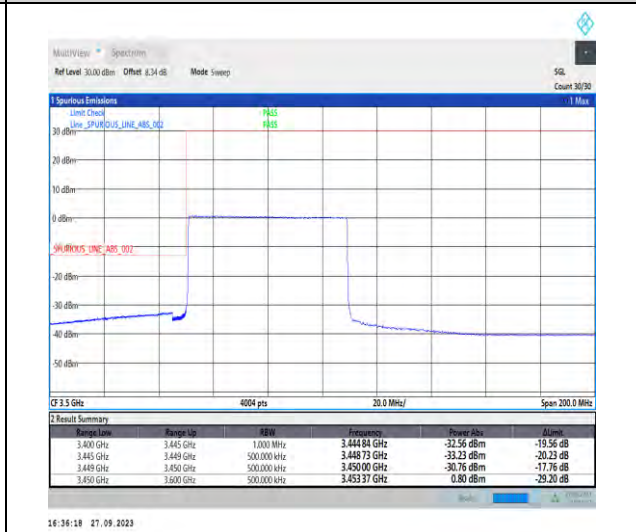
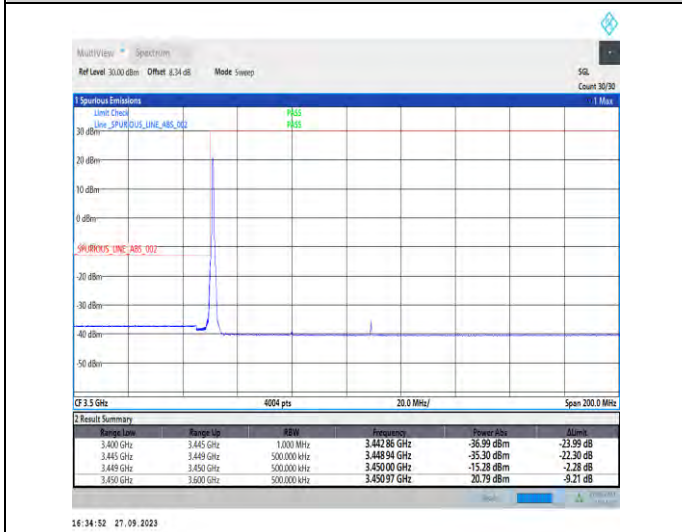
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1-N78-3450-3550-PC2-30-60-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-60-L-3-DFT-PI2BPSK-Outer\_Full-162@0-Ant7-1--PASS-see graph



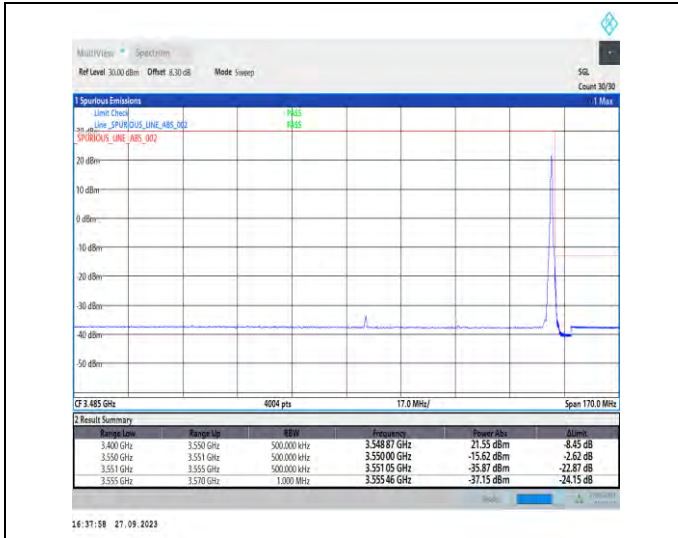
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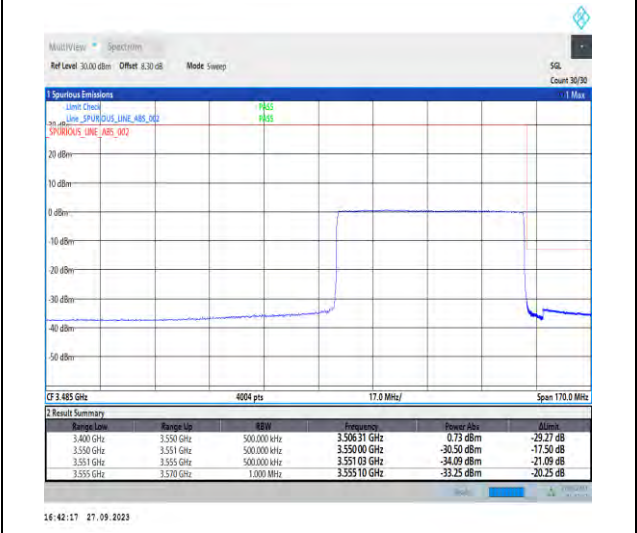
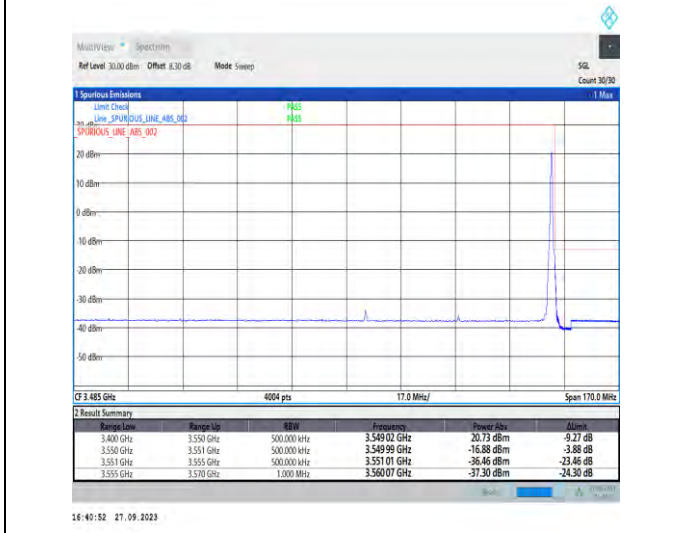
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1-N78-3450-3550-PC2-30-60-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@161-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-60-H-3-DFT-PI2BPSK-Outer\_Full-162@0-Ant7-1--PASS-see graph



1-N78-3450-3550-PC2-30-60-H-5-CP-QPSK-Edge\_1RB\_Right-1@161-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-60-H-6-CP-QPSK-Outer\_Full-162@0-Ant7-1--PASS-see graph

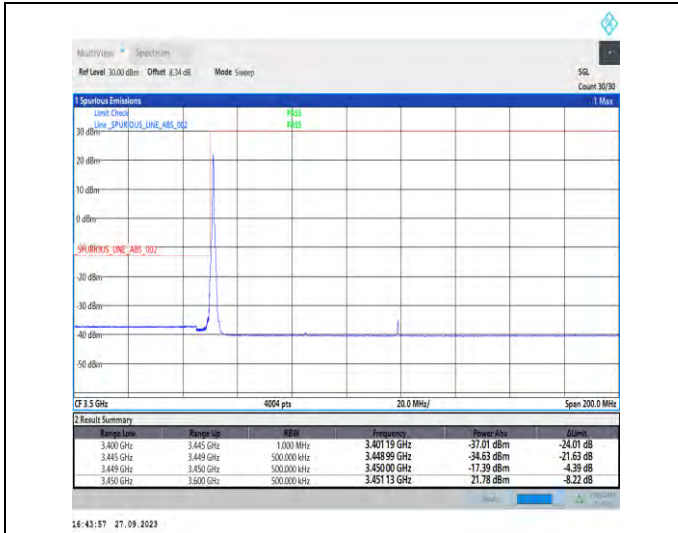


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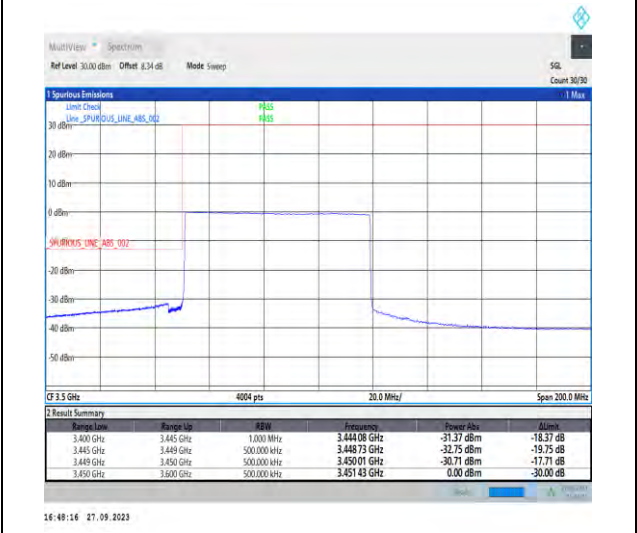
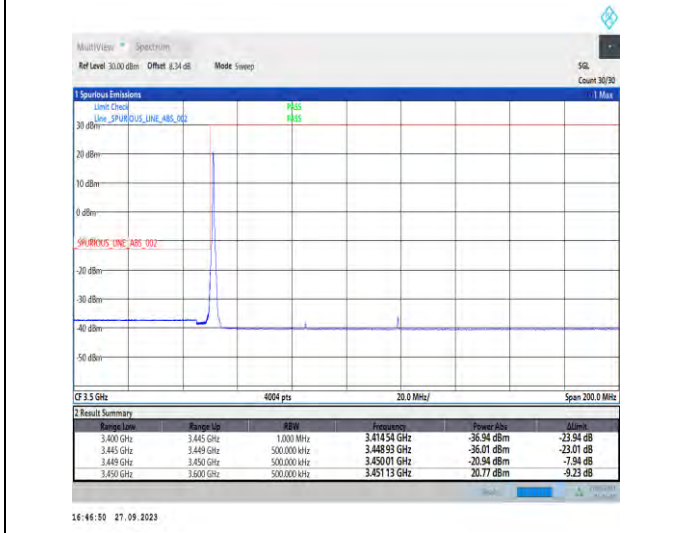
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1-N78-3450-3550-PC2-30-70-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-70-L-3-DFT-PI2BPSK-Outer\_Full-180@0-Ant7-1--PASS-see graph



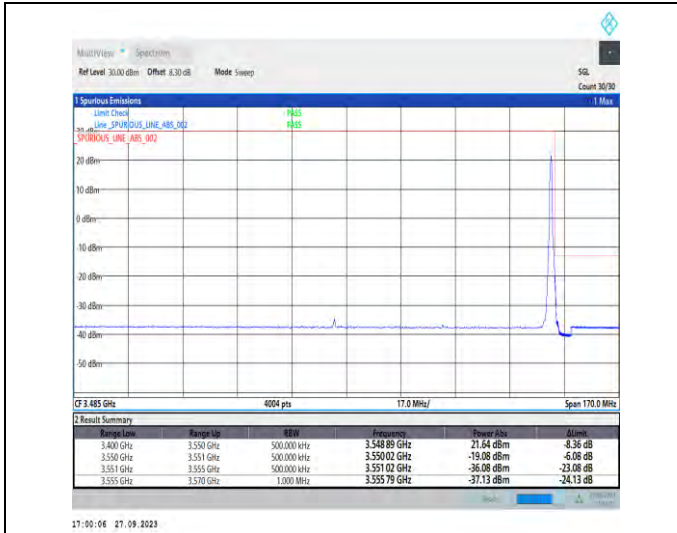
1-N78-3450-3550-PC2-30-70-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-70-L-6-CP-QPSK-Outer\_Full-189@0-Ant7-1--PASS-see graph



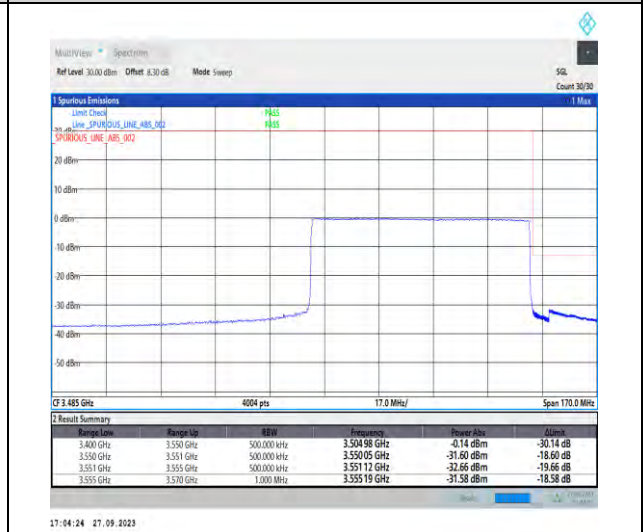
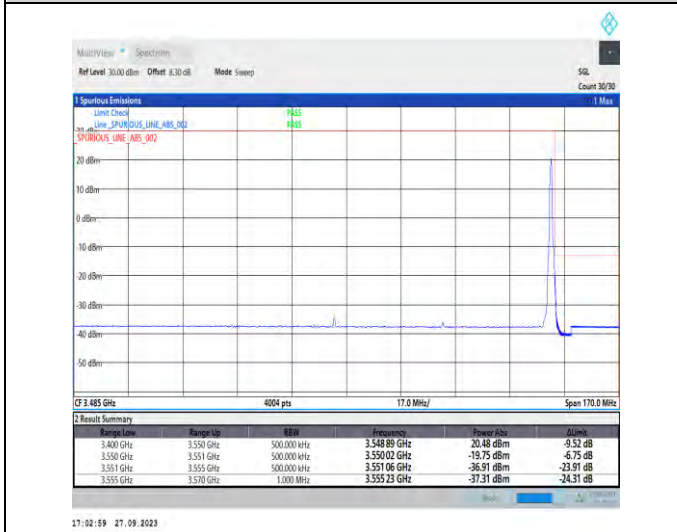
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1-N78-3450-3550-PC2-30-70-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@188-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-70-H-3-DFT-PI2BPSK-Outer\_Full-180@0-Ant7-1--PASS-see graph



1-N78-3450-3550-PC2-30-70-H-5-CP-QPSK-Edge\_1RB\_Right-1@188-Ant7-1--PASS-see graph

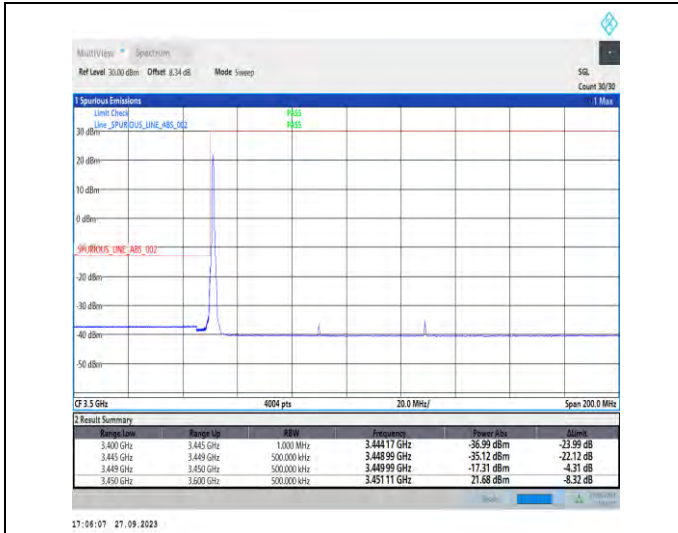
1-N78-3450-3550-PC2-30-70-H-6-CP-QPSK-Outer\_Full-189@0-Ant7-1--PASS-see graph



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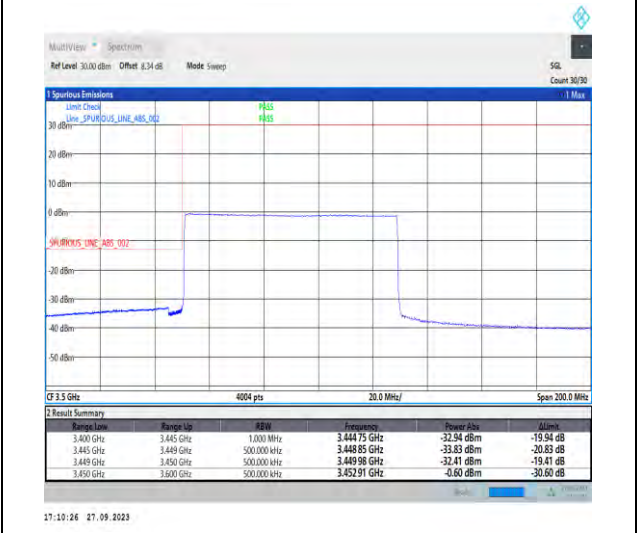
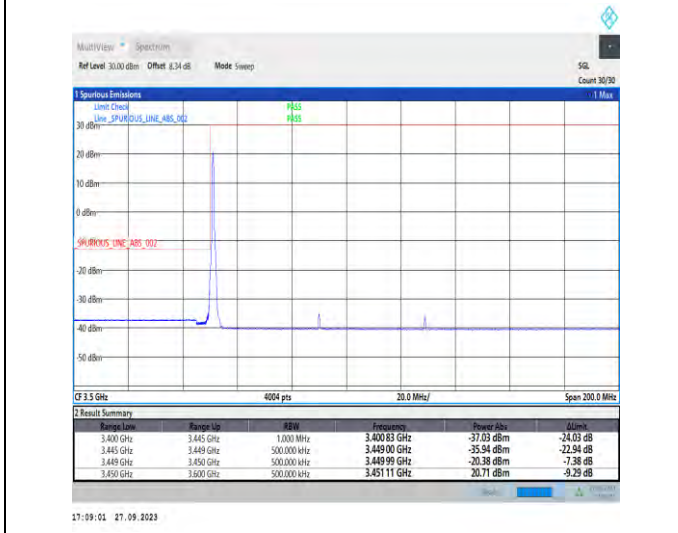
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1-N78-3450-3550-PC2-30-80-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-80-L-3-DFT-PI2BPSK-Outer\_Full-216@0-Ant7-1--PASS-see graph



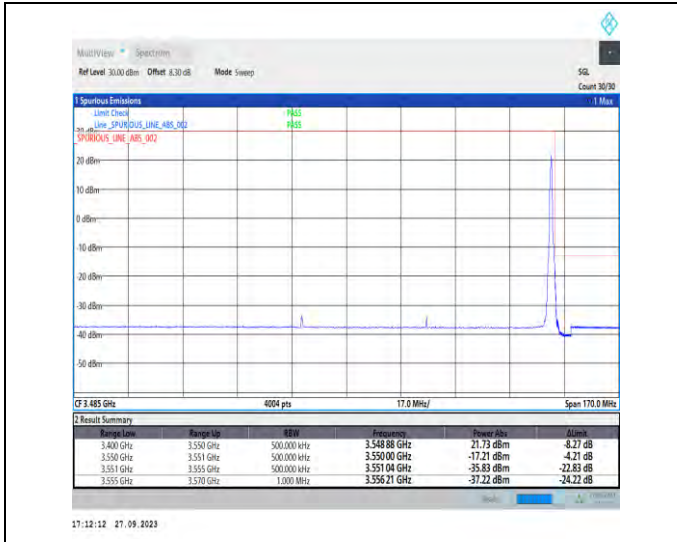
1-N78-3450-3550-PC2-30-80-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-80-L-6-CP-QPSK-Outer\_Full-217@0-Ant7-1--PASS-see graph



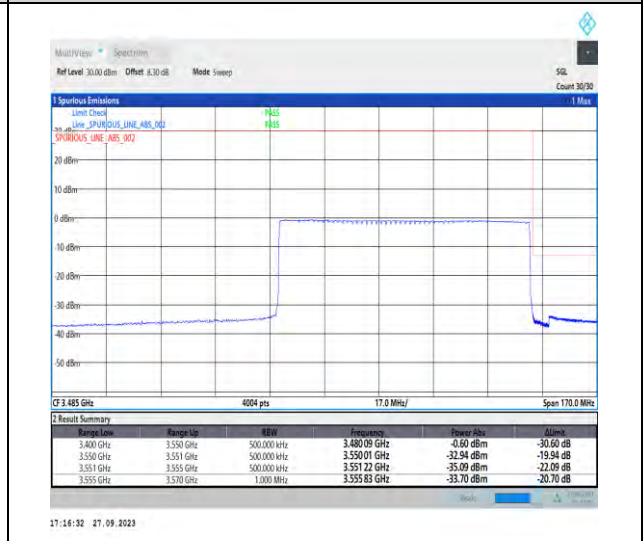
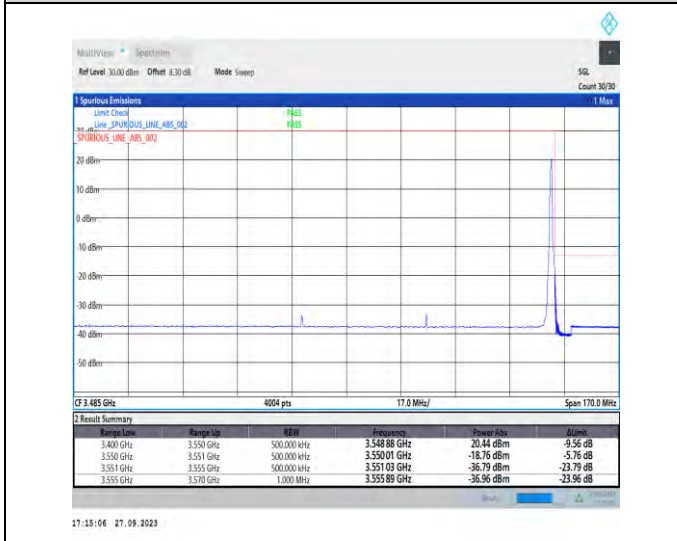
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1-N78-3450-3550-PC2-30-80-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@216-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-80-H-3-DFT-PI2BPSK-Outer\_Full-216@0-Ant7-1--PASS-see graph



1-N78-3450-3550-PC2-30-80-H-5-CP-QPSK-Edge\_1RB\_Right-1@216-Ant7-1--PASS-see graph

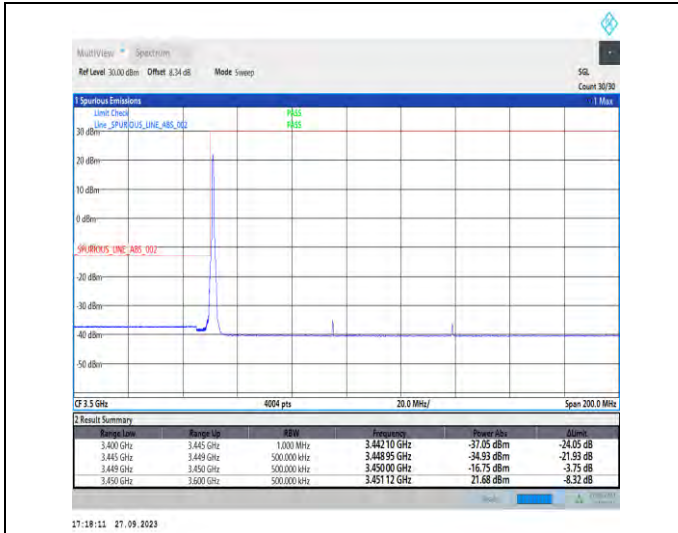
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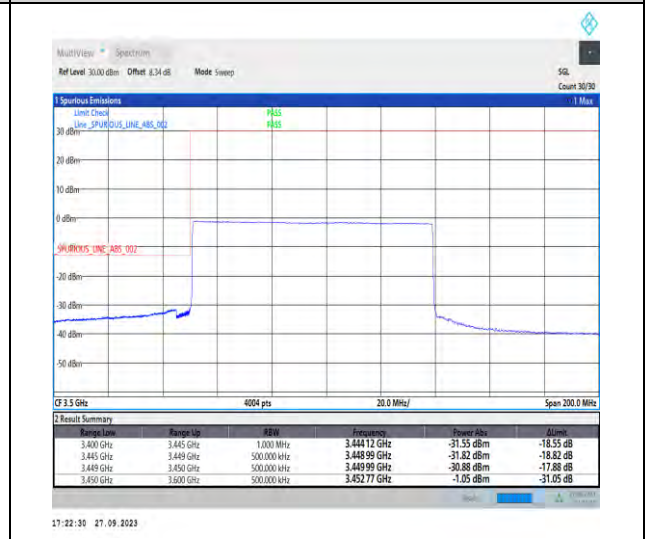
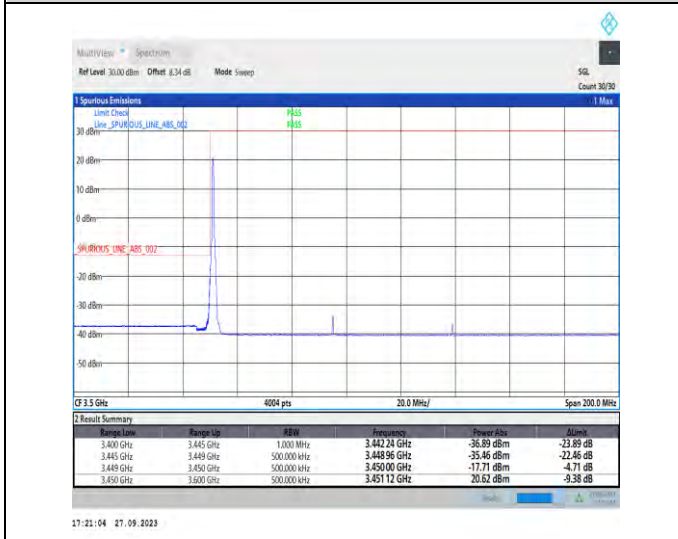
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1-N78-3450-3550-PC2-30-90-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-90-L-3-DFT-PI2BPSK-Outer\_Full-240@0-Ant7-1--PASS-see graph



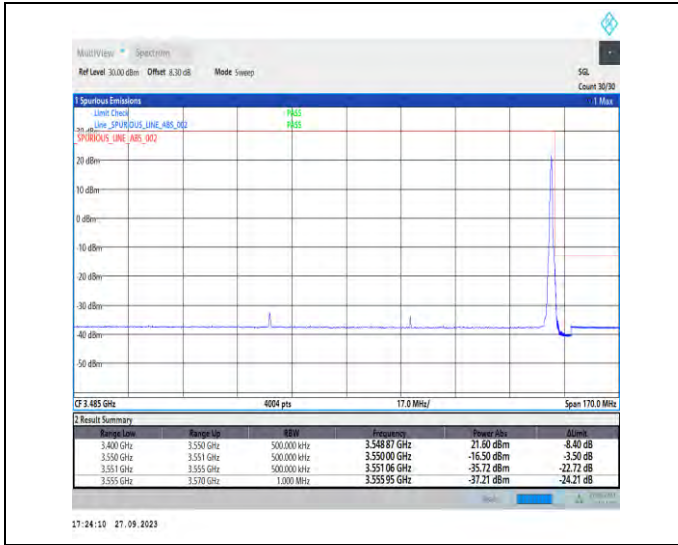
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1-N78-3450-3550-PC2-30-90-L-6-CP-QPSK-Outer\_Full-245@0-Ant7-1--PASS-see graph



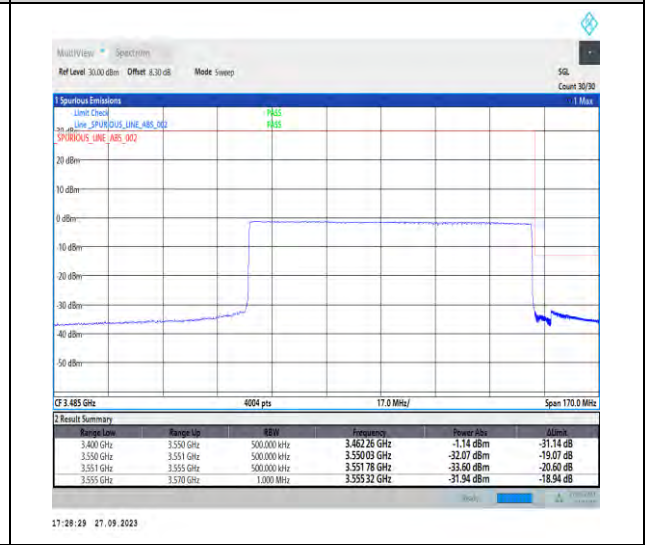
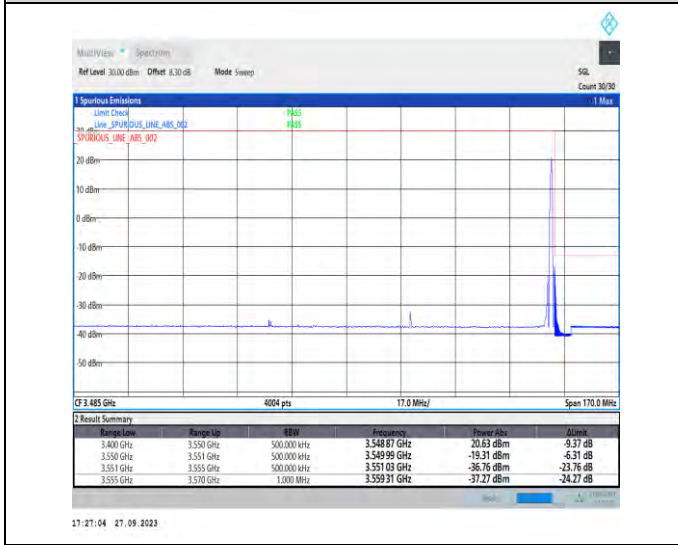
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1-N78-3450-3550-PC2-30-90-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@244-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-90-H-3-DFT-PI2BPSK-Outer\_Full-240@0-Ant7-1--PASS-see graph



1-N78-3450-3550-PC2-30-90-H-5-CP-QPSK-Edge\_1RB\_Right-1@244-Ant7-1--PASS-see graph

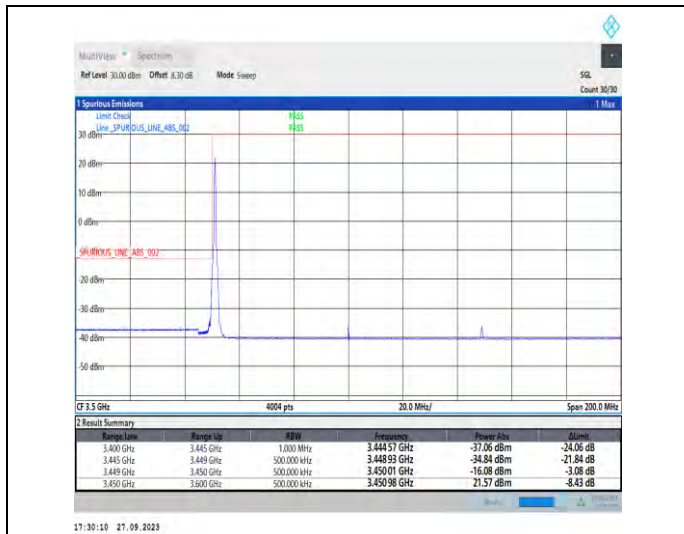
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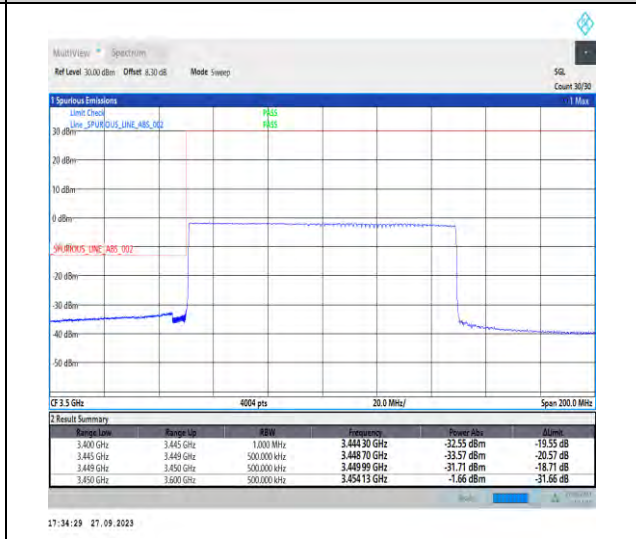
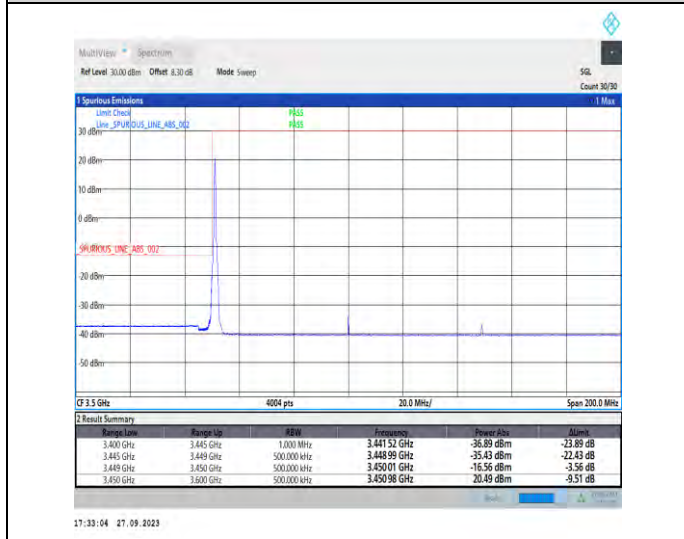
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1-N78-3450-3550-PC2-30-100-L-1-DFT-PI2BPSK-Edge\_1\_RB\_Left-1@0-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-100-L-3-DFT-PI2BPSK-Outer\_Full-270@0-Ant7-1--PASS-see graph



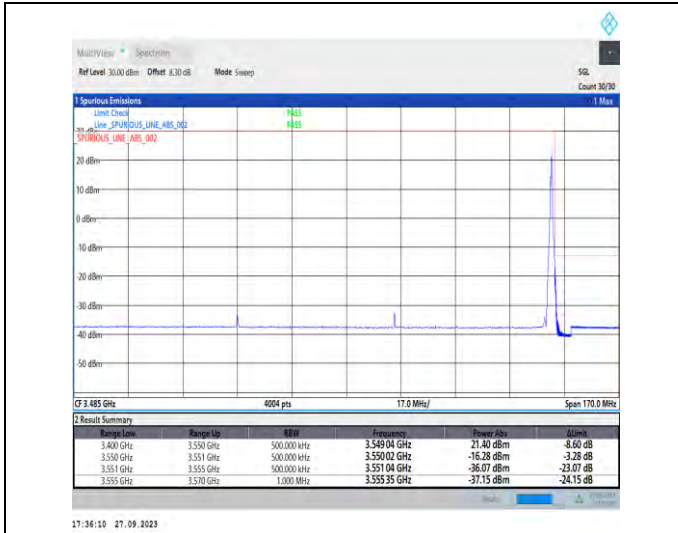
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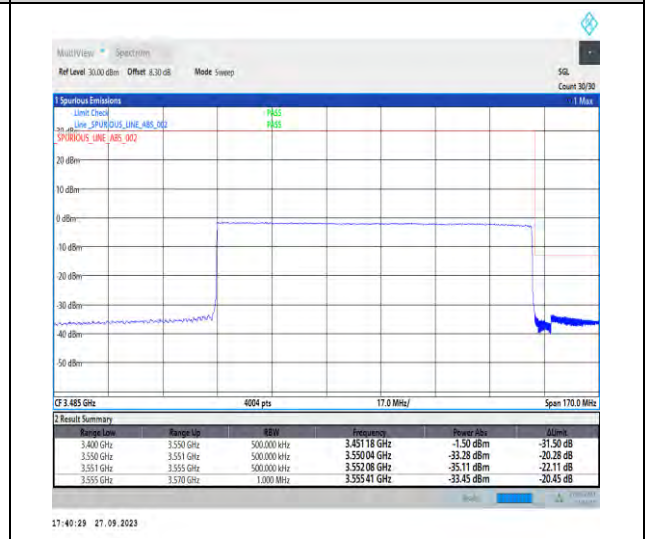
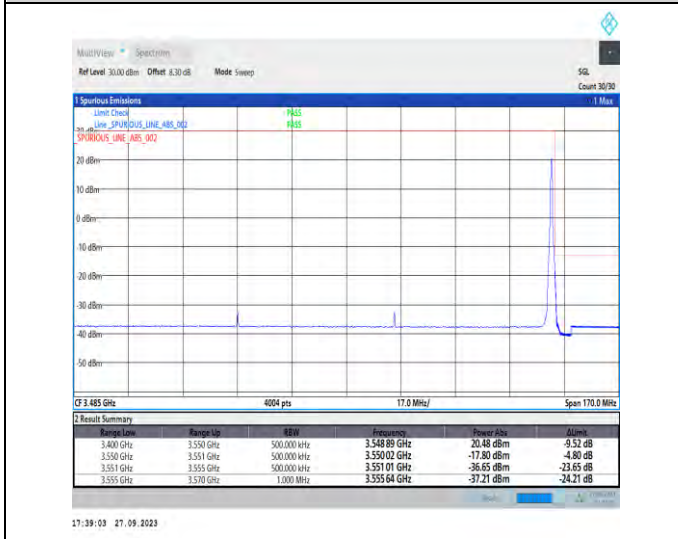
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1-N78-3450-3550-PC2-30-100-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@272-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-100-H-3-DFT-PI2BPSK-Outer\_Full-270@0-Ant7-1--PASS-see graph



1-N78-3450-3550-PC2-30-100-H-5-CP-QPSK-Edge\_1RB\_Right-1@272-Ant7-1--PASS-see graph

1-N78-3450-3550-PC2-30-100-H-6-CP-QPSK-Outer\_Full-273@0-Ant7-1--PASS-see graph



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## Conducted Spurious Emission for SA

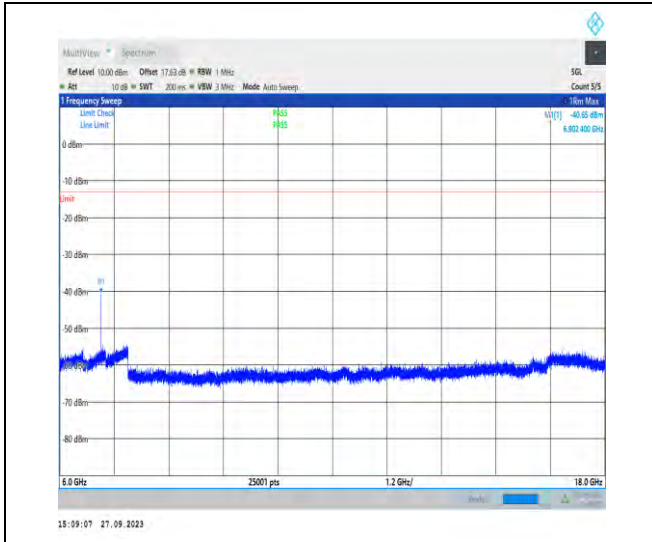
### Test Graphs

<p>1-N78-3450-3550-PC2-30-100-L-1-DFT-PI2BPSK-In              ner_1RB_Left-1@1-0.009-0.15-Ant7-0.13--93.10--43              -PASS</p>	<p>1-N78-3450-3550-PC2-30-100-L-1-DFT-PI2BPSK-In              ner_1RB_Left-1@1-0.15-30-Ant7-30.00--85.71--33-P              ASS</p>
<p>1-N78-3450-3550-PC2-30-100-L-1-DFT-PI2BPSK-In              ner_1RB_Left-1@1-30-1000-Ant7-34.37--64.38--13-              PASS</p>	<p>1-N78-3450-3550-PC2-30-100-L-1-DFT-PI2BPSK-In              ner_1RB_Left-1@1-1000-6000-Ant7-5551.50--38.44-              -13-PASS</p>

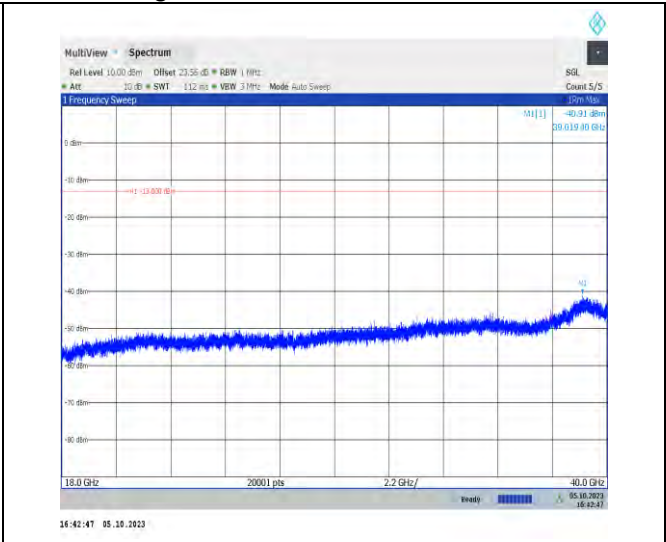


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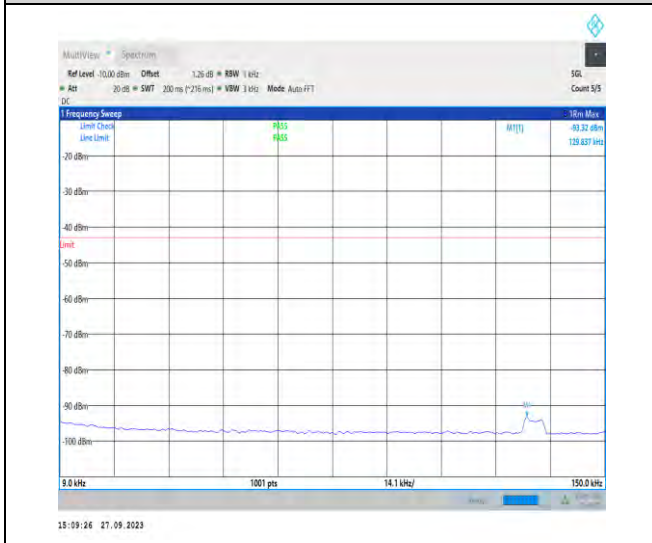
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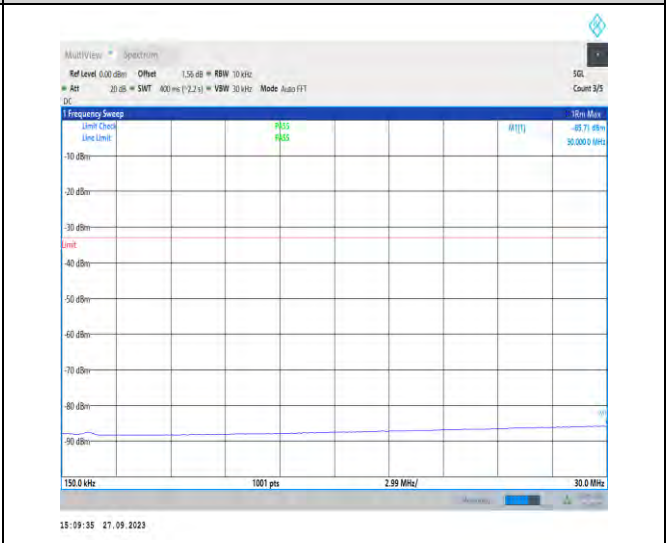
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1-N78-3450-3550-PC2-30-100-L-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-18000-40000-Ant7-18000.00--58.32--13-PASS



1-N78-3450-3550-PC2-30-100-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.009-0.15-Ant7-0.13--93.32--43-PASS



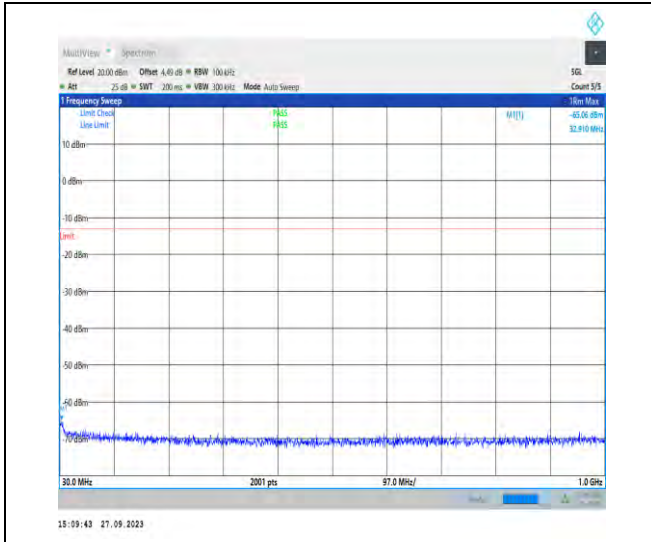
1-N78-3450-3550-PC2-30-100-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.15-30-Ant7-30.00--85.71--33-PASS



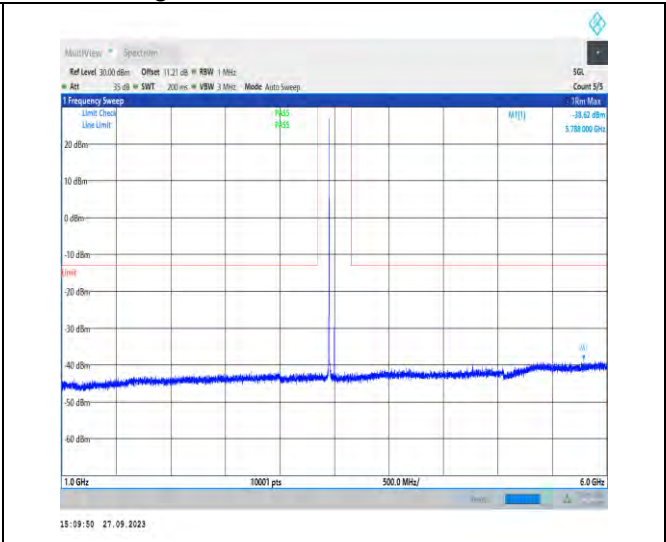
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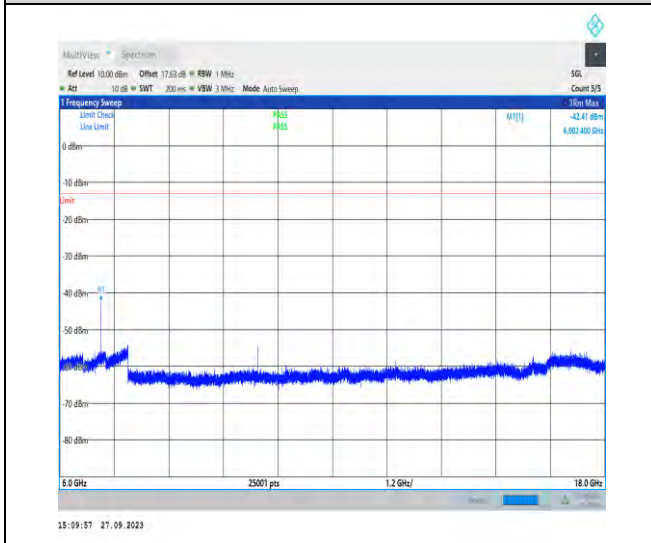




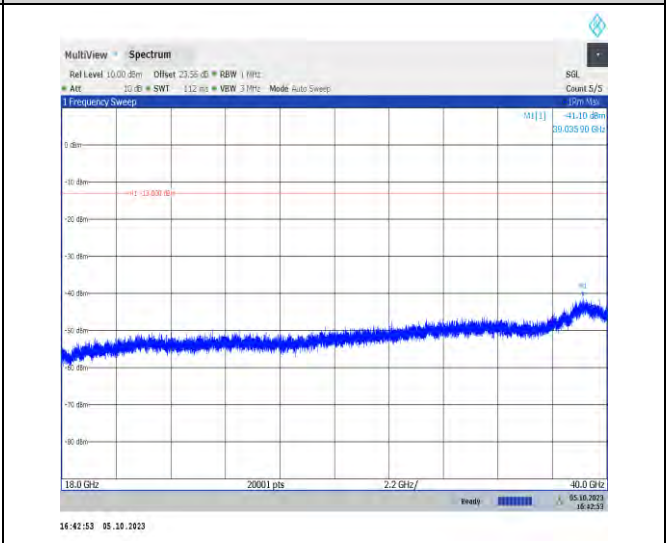
1-N78-3450-3550-PC2-30-100-M-1-DFT-PI2BPSK-  
inner\_1RB\_Left-1@1-30-1000-Ant7-32.91--65.06--13  
-PASS



1-N78-3450-3550-PC2-30-100-M-1-DFT-PI2BPSK-In  
ner\_1RB\_Left-1@1-1000-6000-Ant7-5788.00--38.62-  
-13-PASS



1-N78-3450-3550-PC2-30-100-M-1-DFT-PI2BPSK-  
inner\_1RB\_Left-1@1-6000-18000-Ant7-6902.40--42.  
41--13-PASS

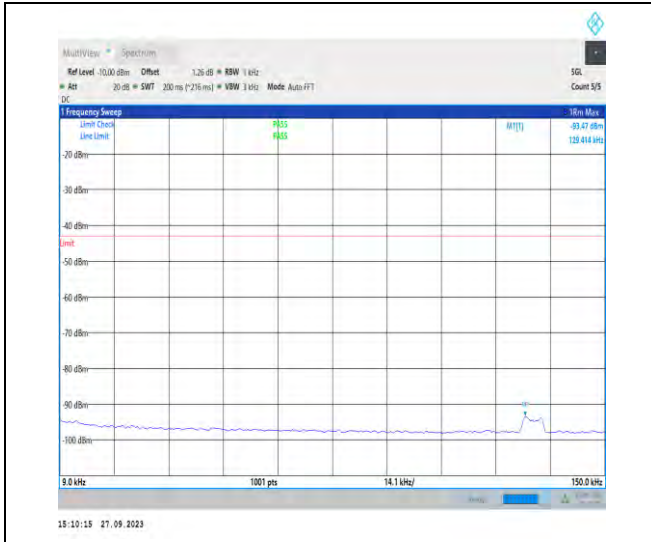


1-N78-3450-3550-PC2-30-100-M-1-DFT-PI2BPSK-In  
ner\_1RB\_Left-1@1-18000-40000-Ant7-18000.00--58  
.27--13-PASS

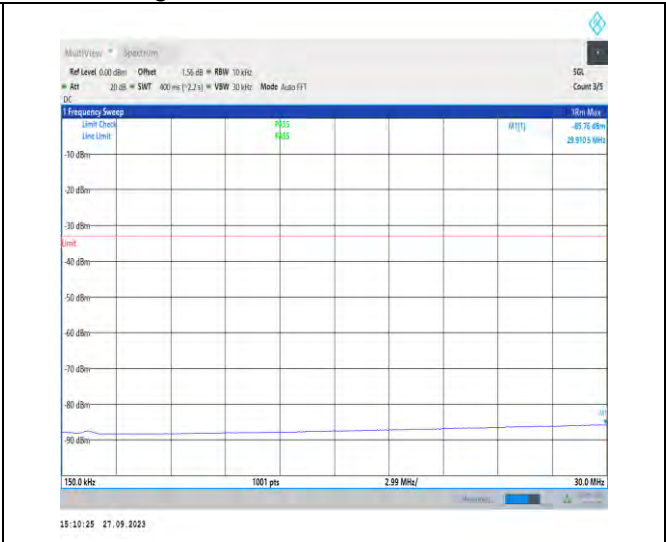


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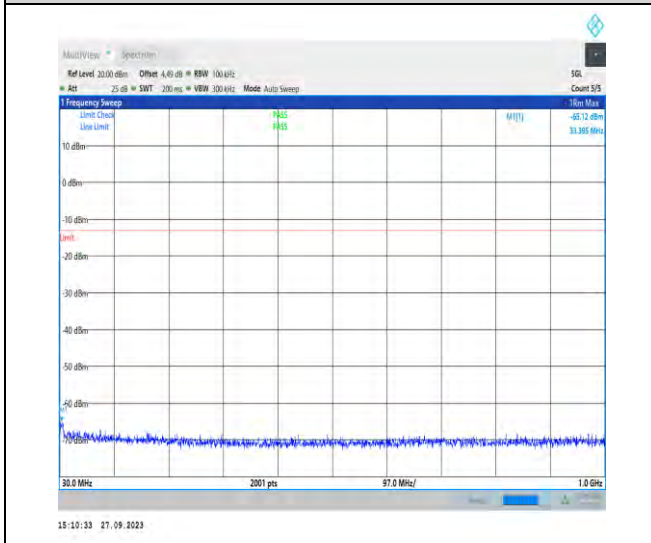
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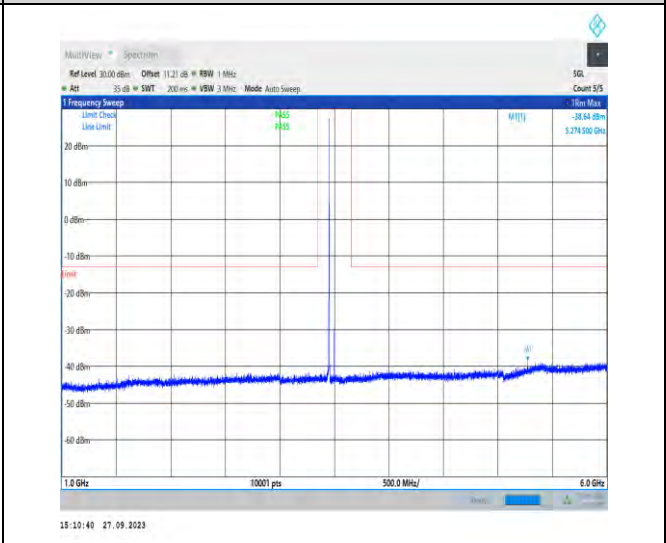
1-N78-3450-3550-PC2-30-100-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.009-0.15-Ant7-0.13--93.47--43  
-PASS



1-N78-3450-3550-PC2-30-100-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.15-30-Ant7-29.91--85.76--33-PASS



1-N78-3450-3550-PC2-30-100-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-30-1000-Ant7-33.40--65.12--13-PASS



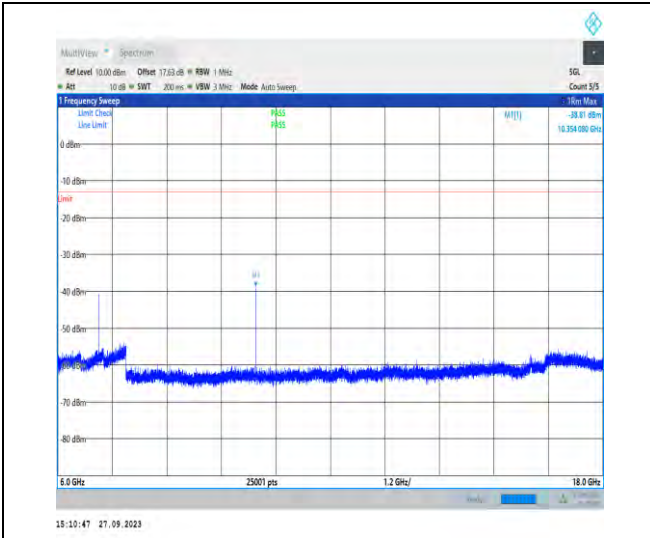
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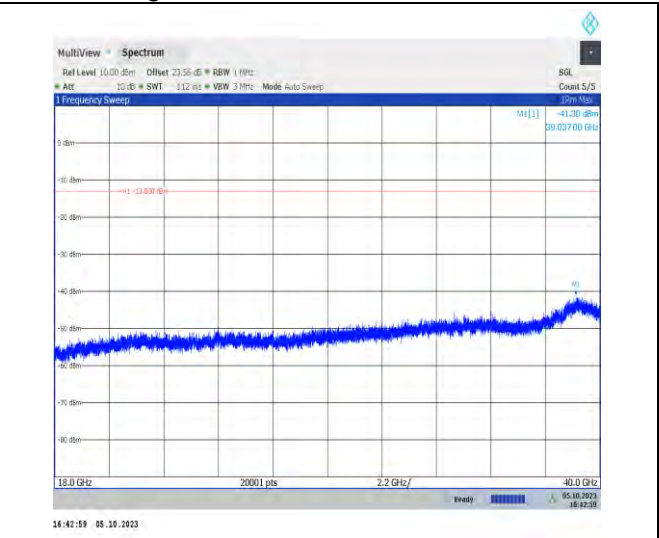
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1-N78-3450-3550-PC2-30-100-H-1-DFT-PI2BPSK-In  
ner\_1RB\_Left-1@1-6000-18000-Ant7-10354.08--38.  
81--13-PASS



1-N78-3450-3550-PC2-30-100-H-1-DFT-PI2BPSK-In  
ner\_1RB\_Left-1@1-18000-40000-Ant7-18000.00--58.  
.25--13-PASS



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## Field Strength of Spurious Radiation

Test Band = SA Band 78 3450-3550\_ TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7878.5625	43.05	-44.95	36.35	-60.82	-13.00	47.82	Horizontal
2	9329	41.50	-42.90	37.90	-58.77	-13.00	45.77	Horizontal
3	6910.18	43.21	-46.12	35.40	-62.76	-13.00	49.76	Horizontal
4	10365.27	38.87	-41.19	38.83	-58.75	-13.00	45.75	Horizontal
5	13820.36	36.19	-38.48	40.49	-57.07	-13.00	44.07	Horizontal
6	17275.45	35.95	-37.12	40.66	-55.77	-13.00	42.77	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7869.4583	42.89	-44.95	36.36	-60.96	-13.00	47.96	Vertical
2	9100.4375	41.83	-43.09	37.69	-58.83	-13.00	45.83	Vertical
3	6910.18	43.63	-46.12	35.40	-62.34	-13.00	49.34	Vertical
4	10365.27	37.49	-41.19	38.83	-60.13	-13.00	47.13	Vertical
5	13820.36	36.46	-38.48	40.49	-56.80	-13.00	43.80	Vertical
6	17275.45	35.65	-37.12	40.66	-56.07	-13.00	43.07	Vertical



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Test Band = NSA DC\_2A\_n78A 3450-3550\_TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7829.6875	43.34	-44.92	36.40	-60.44	-13.00	47.44	Horizontal
2	9320.8542	41.90	-42.91	37.89	-58.38	-13.00	45.38	Horizontal
3	12015.2083	37.75	-38.69	39.19	-57.01	-13.00	44.01	Horizontal
4	6910.18	43.59	-46.12	35.40	-62.38	-13.00	49.38	Horizontal
5	10365.27	38.67	-41.19	38.83	-58.95	-13.00	45.95	Horizontal
6	13820.36	35.75	-38.48	40.49	-57.51	-13.00	44.51	Horizontal
7	17275.45	35.46	-37.12	40.66	-56.26	-13.00	43.26	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7683.5417	43.30	-45.10	36.58	-60.48	-13.00	47.48	Vertical
2	9327.5625	41.67	-42.90	37.89	-58.60	-13.00	45.60	Vertical
3	6910.18	42.88	-46.12	35.40	-63.09	-13.00	50.09	Vertical
4	10365.27	38.15	-41.19	38.83	-59.47	-13.00	46.47	Vertical
5	13820.36	36.40	-38.48	40.49	-56.86	-13.00	43.86	Vertical
6	17275.45	35.90	-37.12	40.66	-55.82	-13.00	42.82	Vertical



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Test Band = NSA DC\_5A\_n78A 3450-3550\_TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8500.5208	41.92	-43.68	36.90	-60.12	-13.00	47.12	Horizontal
2	12055.9375	38.62	-39.03	39.17	-56.50	-13.00	43.50	Horizontal
3	6910.18	43.12	-46.12	35.40	-62.85	-13.00	49.85	Horizontal
4	10365.27	38.23	-41.19	38.83	-59.39	-13.00	46.39	Horizontal
5	13820.36	35.83	-38.48	40.49	-57.43	-13.00	44.43	Horizontal
6	17275.45	35.46	-37.12	40.66	-56.26	-13.00	43.26	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8314.6042	43.08	-44.53	36.64	-60.07	-13.00	47.07	Vertical
2	15265.3958	37.43	-37.96	39.60	-56.20	-13.00	43.20	Vertical
3	6910.18	42.91	-46.12	35.40	-63.06	-13.00	50.06	Vertical
4	10365.27	38.35	-41.19	38.83	-59.27	-13.00	46.27	Vertical
5	13820.36	36.20	-38.48	40.49	-57.06	-13.00	44.06	Vertical
6	17275.45	35.52	-37.12	40.66	-56.20	-13.00	43.20	Vertical



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Test Band = NSA DC\_7A\_n78A 3450-3550\_TM1  
 Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7858.9167	43.44	-44.94	36.37	-60.39	-13.00	47.39	Horizontal
2	9332.8333	41.54	-42.90	37.90	-58.72	-13.00	45.72	Horizontal
3	6910.18	42.57	-46.12	35.40	-63.40	-13.00	50.40	Horizontal
4	10365.27	39.24	-41.19	38.83	-58.38	-13.00	45.38	Horizontal
5	13820.36	36.76	-38.48	40.49	-56.50	-13.00	43.50	Horizontal
6	17275.45	35.82	-37.12	40.66	-55.90	-13.00	42.90	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7703.1875	43.37	-45.13	36.56	-60.47	-13.00	47.47	Vertical
2	9344.3333	41.54	-42.88	37.91	-58.69	-13.00	45.69	Vertical
3	6910.18	43.54	-46.12	35.40	-62.43	-13.00	49.43	Vertical
4	10365.27	38.06	-41.19	38.83	-59.56	-13.00	46.56	Vertical
5	13820.36	35.82	-38.48	40.49	-57.44	-13.00	44.44	Vertical
6	17275.45	35.53	-37.12	40.66	-56.19	-13.00	43.19	Vertical



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Test Band = NSA DC\_38A\_n78A 3450-3550\_TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8764.5417	42.18	-43.80	37.27	-59.61	-13.00	46.61	Horizontal
2	12025.2708	37.94	-38.77	39.18	-56.91	-13.00	43.91	Horizontal
3	6910.18	42.88	-46.12	35.40	-63.09	-13.00	50.09	Horizontal
4	10365.27	38.71	-41.19	38.83	-58.91	-13.00	45.91	Horizontal
5	13820.36	36.31	-38.48	40.49	-56.95	-13.00	43.95	Horizontal
6	17275.45	35.79	-37.12	40.66	-55.93	-13.00	42.93	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8964.8333	41.48	-43.60	37.55	-59.83	-13.00	46.83	Vertical
2	11992.6875	37.76	-38.66	39.20	-56.96	-13.00	43.96	Vertical
3	6910.18	42.82	-46.12	35.40	-63.15	-13.00	50.15	Vertical
4	10365.27	38.88	-41.19	38.83	-58.74	-13.00	45.74	Vertical
5	13820.36	35.97	-38.48	40.49	-57.29	-13.00	44.29	Vertical
6	17275.45	35.58	-37.12	40.66	-56.14	-13.00	43.14	Vertical



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**Test Band = NSA DC\_41A\_n78A 3450-3550\_TM1**  
**Test Channel = Mid**

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7826.3333	43.84	-44.92	36.41	-59.93	-13.00	46.93	Horizontal
2	12280.6667	38.86	-39.41	39.03	-56.78	-13.00	43.78	Horizontal
3	6910.18	43.22	-46.12	35.40	-62.75	-13.00	49.75	Horizontal
4	10365.27	38.64	-41.19	38.83	-58.98	-13.00	45.98	Horizontal
5	13820.36	36.97	-38.48	40.49	-56.29	-13.00	43.29	Horizontal
6	17275.45	35.42	-37.12	40.66	-56.30	-13.00	43.30	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7850.7708	43.95	-44.94	36.38	-59.87	-13.00	46.87	Vertical
2	9325.6458	43.13	-42.91	37.89	-57.14	-13.00	44.14	Vertical
3	6910.18	43.33	-46.12	35.40	-62.64	-13.00	49.64	Vertical
4	10365.27	38.47	-41.19	38.83	-59.15	-13.00	46.15	Vertical
5	13820.36	36.72	-38.48	40.49	-56.54	-13.00	43.54	Vertical
6	17275.45	36.13	-37.12	40.66	-55.59	-13.00	42.59	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

2) All antennas of RSE are tested, and only the worst data is presented.



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## Frequency Stability for SA

### Test Result

### Frequency Error VS. Voltage

Voltage										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	0.400000	0.000114	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	-1.700000	-0.000486	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	-0.300000	-0.000086	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	VH	NT	3.400000	0.000971	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	VN	NT	4.400000	0.001257	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	VL	NT	3.300000	0.000943	PASS



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**Frequency Error VS. Temperature**

Temperature										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	-1.200000	-0.000343	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	3.500000	0.001000	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	5.700000	0.001629	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	-3.500000	-0.001000	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	-0.900000	-0.000257	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	-6.100000	-0.001743	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	9.500000	0.002714	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	6.800000	0.001943	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	-0.100000	-0.000029	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	-30	7.300000	0.002086	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	-20	4.700000	0.001343	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	-10	5.800000	0.001657	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	0	0.600000	0.000171	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	10	4.900000	0.001400	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	20	0.300000	0.000086	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	30	3.100000	0.000886	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	40	-2.700000	-0.000771	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	50	5.900000	0.001686	PASS

---End of Attachment---



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