

Report No.: SEWM2311000447RG02

Rev.: 01

Page: 1 of 68

# Appendix B.28

## NR Band n77(3700-3980)



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

### Test Result

Ant15

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N77-3700-3980	30	10	DFT-QPSK	L	Inner_1RB_Left	22.6	23.22	30.00	PASS
N77-3700-3980	30	10	DFT-16QAM	L	Inner_1RB_Left	21.55	22.17	30.00	PASS
N77-3700-3980	30	10	DFT-QPSK	M	Inner_1RB_Left	22.94	23.56	30.00	PASS
N77-3700-3980	30	10	DFT-16QAM	M	Inner_1RB_Left	21.98	22.6	30.00	PASS
N77-3700-3980	30	10	DFT-QPSK	H	Inner_1RB_Left	22.76	23.38	30.00	PASS
N77-3700-3980	30	10	DFT-16QAM	H	Inner_1RB_Left	21.6	22.22	30.00	PASS
N77-3700-3980	30	15	DFT-QPSK	L	Inner_1RB_Left	22.58	23.2	30.00	PASS
N77-3700-3980	30	15	DFT-16QAM	L	Inner_1RB_Left	21.68	22.3	30.00	PASS
N77-3700-3980	30	15	DFT-QPSK	M	Inner_1RB_Left	22.96	23.58	30.00	PASS
N77-3700-3980	30	15	DFT-16QAM	M	Inner_1RB_Left	22.13	22.75	30.00	PASS
N77-3700-3980	30	15	DFT-QPSK	H	Inner_1RB_Left	22.85	23.47	30.00	PASS
N77-3700-3980	30	15	DFT-16QAM	H	Inner_1RB_Left	21.77	22.39	30.00	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Inner_1RB_Left	22.63	23.25	30.00	PASS
N77-3700-3980	30	20	DFT-16QAM	L	Inner_1RB_Left	21.63	22.25	30.00	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Inner_1RB_Left	15.3	15.92	30.00	PASS
N77-3700-3980	30	20	DFT-16QAM	M	Inner_1RB_Left	22.22	22.84	30.00	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Inner_1RB_Left	22.65	23.27	30.00	PASS
N77-3700-3980	30	20	DFT-16QAM	H	Inner_1RB_Left	21.79	22.41	30.00	PASS
N77-3700-3980	30	30	DFT-QPSK	L	Inner_1RB_Left	22.69	23.31	30.00	PASS
N77-3700-3980	30	30	DFT-16QAM	L	Inner_1RB_Left	21.76	22.38	30.00	PASS
N77-3700-3980	30	30	DFT-QPSK	M	Inner_1RB_Left	23.15	23.77	30.00	PASS
N77-3700-3980	30	30	DFT-16QAM	M	Inner_1RB_Left	22.27	22.89	30.00	PASS
N77-3700-3980	30	30	DFT-QPSK	H	Inner_1RB_Left	22.67	23.29	30.00	PASS
N77-3700-3980	30	30	DFT-16QAM	H	Inner_1RB_Left	21.8	22.42	30.00	PASS
N77-3700-3980	30	40	DFT-QPSK	L	Inner_1RB_Left	22.82	23.44	30.00	PASS
N77-3700-3980	30	40	DFT-16QAM	L	Inner_1RB_Left	21.95	22.57	30.00	PASS
N77-3700-3980	30	40	DFT-QPSK	M	Inner_1RB_Left	23.23	23.85	30.00	PASS
N77-3700-3980	30	40	DFT-16QAM	M	Inner_1RB_Left	22.28	22.9	30.00	PASS
N77-3700-3980	30	40	DFT-QPSK	H	Inner_1RB_Left	22.64	23.26	30.00	PASS
N77-3700-3980	30	40	DFT-16QAM	H	Inner_1RB_Left	21.73	22.35	30.00	PASS



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Report No.: SEWM2311000447RG02

Rev.: 01

Page: 3 of 68

N77-3700-3980	30	50	DFT-QPSK	L	Inner_1RB_Left	22.42	23.04	30.00	PASS
N77-3700-3980	30	50	DFT-16QAM	L	Inner_1RB_Left	21.52	22.14	30.00	PASS
N77-3700-3980	30	50	DFT-QPSK	M	Inner_1RB_Left	22.88	23.5	30.00	PASS
N77-3700-3980	30	50	DFT-16QAM	M	Inner_1RB_Left	21.97	22.59	30.00	PASS
N77-3700-3980	30	50	DFT-QPSK	H	Inner_1RB_Left	22.44	23.06	30.00	PASS
N77-3700-3980	30	50	DFT-16QAM	H	Inner_1RB_Left	21.53	22.15	30.00	PASS
N77-3700-3980	30	60	DFT-QPSK	L	Inner_1RB_Left	22.35	22.97	30.00	PASS
N77-3700-3980	30	60	DFT-16QAM	L	Inner_1RB_Left	21.39	22.01	30.00	PASS
N77-3700-3980	30	60	DFT-QPSK	M	Inner_1RB_Left	22.84	23.46	30.00	PASS
N77-3700-3980	30	60	DFT-16QAM	M	Inner_1RB_Left	21.93	22.55	30.00	PASS
N77-3700-3980	30	60	DFT-QPSK	H	Inner_1RB_Left	22.59	23.21	30.00	PASS
N77-3700-3980	30	60	DFT-16QAM	H	Inner_1RB_Left	21.69	22.31	30.00	PASS
N77-3700-3980	30	70	DFT-QPSK	L	Inner_1RB_Left	22.28	22.9	30.00	PASS
N77-3700-3980	30	70	DFT-16QAM	L	Inner_1RB_Left	21.38	22	30.00	PASS
N77-3700-3980	30	70	DFT-QPSK	M	Inner_1RB_Left	22.74	23.36	30.00	PASS
N77-3700-3980	30	70	DFT-16QAM	M	Inner_1RB_Left	21.88	22.5	30.00	PASS
N77-3700-3980	30	70	DFT-QPSK	H	Inner_1RB_Left	22.51	23.13	30.00	PASS
N77-3700-3980	30	70	DFT-16QAM	H	Inner_1RB_Left	21.57	22.19	30.00	PASS
N77-3700-3980	30	80	DFT-QPSK	L	Inner_1RB_Left	22.26	22.88	30.00	PASS
N77-3700-3980	30	80	DFT-16QAM	L	Inner_1RB_Left	21.33	21.95	30.00	PASS
N77-3700-3980	30	80	DFT-QPSK	M	Inner_1RB_Left	22.66	23.28	30.00	PASS
N77-3700-3980	30	80	DFT-16QAM	M	Inner_1RB_Left	21.66	22.28	30.00	PASS
N77-3700-3980	30	80	DFT-QPSK	H	Inner_1RB_Left	22.34	22.96	30.00	PASS
N77-3700-3980	30	80	DFT-16QAM	H	Inner_1RB_Left	21.41	22.03	30.00	PASS
N77-3700-3980	30	90	DFT-QPSK	L	Inner_1RB_Left	22.23	22.85	30.00	PASS
N77-3700-3980	30	90	DFT-16QAM	L	Inner_1RB_Left	21.32	21.94	30.00	PASS
N77-3700-3980	30	90	DFT-QPSK	M	Inner_1RB_Left	22.56	23.18	30.00	PASS
N77-3700-3980	30	90	DFT-16QAM	M	Inner_1RB_Left	21.64	22.26	30.00	PASS
N77-3700-3980	30	90	DFT-QPSK	H	Inner_1RB_Left	22	22.62	30.00	PASS
N77-3700-3980	30	90	DFT-16QAM	H	Inner_1RB_Left	21.22	21.84	30.00	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	L	Inner_1RB_Left	22.2	22.82	30.00	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	L	Inner_1RB_Right	22.78	23.4	30.00	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	L	Outer_Full	22.14	22.76	30.00	PASS
N77-3700-3980	30	100	DFT-QPSK	L	Inner_1RB_Left	22.19	22.81	30.00	PASS
N77-3700-3980	30	100	DFT-QPSK	L	Inner_1RB_Right	22.82	23.44	30.00	PASS
N77-3700-3980	30	100	DFT-QPSK	L	Outer_Full	21.56	22.18	30.00	PASS
N77-3700-3980	30	100	DFT-16QAM	L	Inner_1RB_Left	21.32	21.94	30.00	PASS



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Report No.: SEWM2311000447RG02

Rev.: 01

Page: 4 of 68

Table with 10 columns: ID, Sample No., Quantity, Test Method, Modulation, Direction, Value 1, Value 2, Limit, Result. Contains 40 rows of test data for various modulation types like DFT-16QAM, DFT-64QAM, DFT-256QAM, DFT-PI2BPSK, and DFT-QPSK.



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Report No.: SEWM2311000447RG02

Rev.: 01

Page: 5 of 68

N77-3700-3980	30	100	DFT-256QAM	H	Outer_Full	19.48	20.1	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
N77-3700-3980	30	100	DFT-256QAM	L	Outer_Full	6.42	≤13	PASS
N77-3700-3980	30	100	CP-256QAM	L	Outer_Full	6.42	≤13	PASS
N77-3700-3980	30	100	DFT-256QAM	M	Outer_Full	6.41	≤13	PASS
N77-3700-3980	30	100	CP-256QAM	M	Outer_Full	6.43	≤13	PASS
N77-3700-3980	30	100	DFT-256QAM	H	Outer_Full	6.42	≤13	PASS
N77-3700-3980	30	100	CP-256QAM	H	Outer_Full	6.42	≤13	PASS



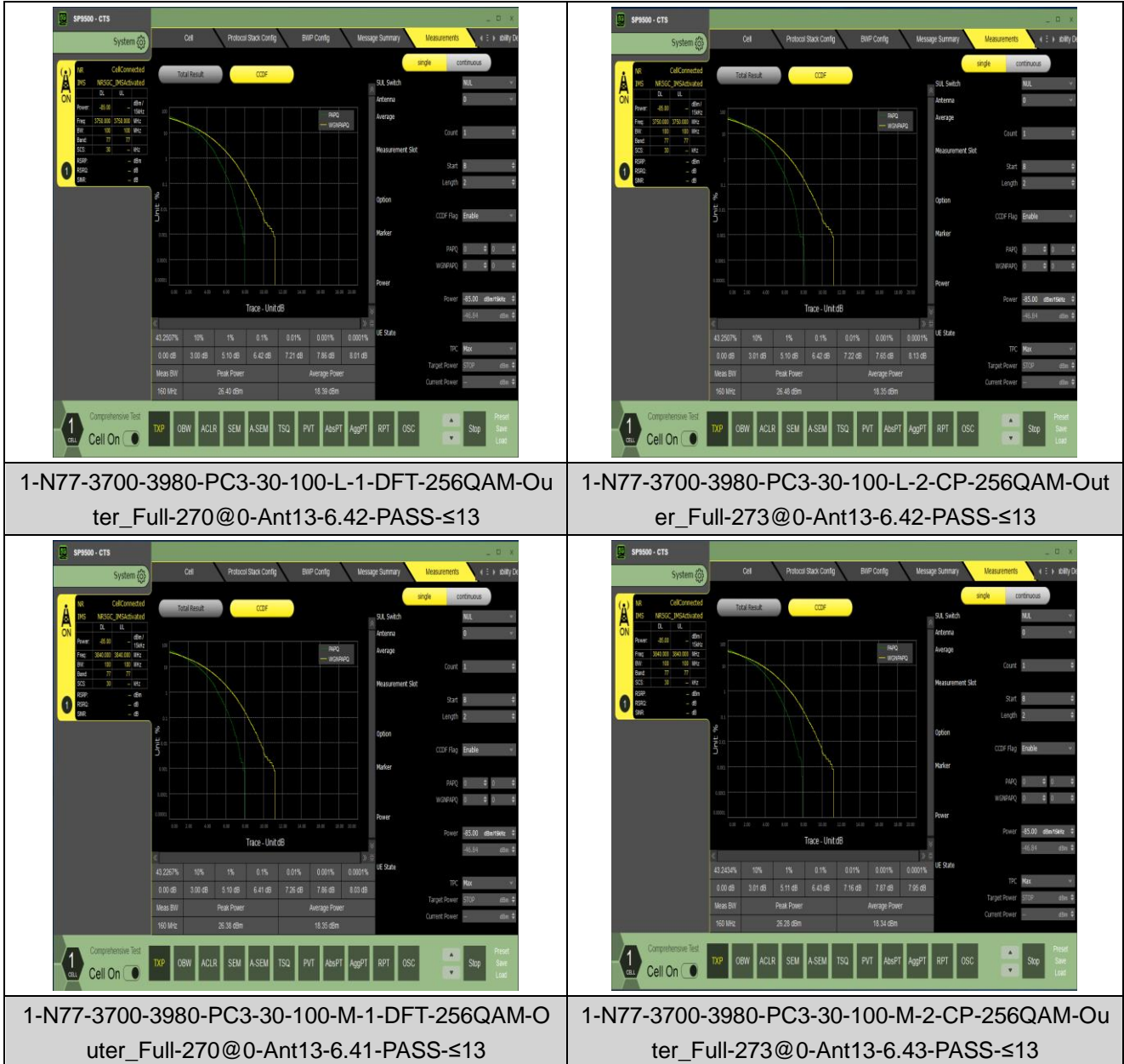
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Test Graphs



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1-N77-3700-3980-PC3-30-100-H-1-DFT-256QAM-Outer\_Full-270@0-Ant13-6.42-PASS-≤13



1-N77-3700-3980-PC3-30-100-H-2-CP-256QAM-Outer\_Full-273@0-Ant13-6.42-PASS-≤13



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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
N77-3700-3980	30	10	DFT-QPSK	M	24@0	8.571	9.100	PASS
N77-3700-3980	30	10	DFT-PI2BPSK	M	24@0	8.651	9.480	PASS
N77-3700-3980	30	10	DFT-16QAM	M	24@0	8.631	9.640	PASS
N77-3700-3980	30	10	DFT-64QAM	M	24@0	8.611	9.660	PASS
N77-3700-3980	30	10	DFT-256QAM	M	24@0	8.591	9.420	PASS
N77-3700-3980	30	10	CP-QPSK	M	24@0	8.591	9.700	PASS
N77-3700-3980	30	10	CP-16QAM	M	24@0	8.691	9.760	PASS
N77-3700-3980	30	10	CP-64QAM	M	24@0	8.771	10.240	PASS
N77-3700-3980	30	10	CP-256QAM	M	24@0	8.631	9.100	PASS
N77-3700-3980	30	15	DFT-QPSK	M	36@0	12.887	13.620	PASS
N77-3700-3980	30	15	DFT-PI2BPSK	M	36@0	12.857	13.890	PASS
N77-3700-3980	30	15	DFT-16QAM	M	36@0	12.857	13.890	PASS
N77-3700-3980	30	15	DFT-64QAM	M	36@0	12.767	13.440	PASS
N77-3700-3980	30	15	DFT-256QAM	M	36@0	12.857	13.740	PASS
N77-3700-3980	30	15	CP-QPSK	M	38@0	13.606	14.520	PASS
N77-3700-3980	30	15	CP-16QAM	M	38@0	13.636	14.400	PASS
N77-3700-3980	30	15	CP-64QAM	M	38@0	13.576	14.490	PASS
N77-3700-3980	30	15	CP-256QAM	M	38@0	13.546	14.460	PASS
N77-3700-3980	30	20	DFT-QPSK	M	50@0	17.822	18.560	PASS
N77-3700-3980	30	20	DFT-PI2BPSK	M	50@0	17.862	18.600	PASS
N77-3700-3980	30	20	DFT-16QAM	M	50@0	17.902	19.360	PASS
N77-3700-3980	30	20	DFT-64QAM	M	50@0	17.862	18.920	PASS
N77-3700-3980	30	20	DFT-256QAM	M	50@0	17.902	18.840	PASS
N77-3700-3980	30	20	CP-QPSK	M	51@0	18.222	19.160	PASS
N77-3700-3980	30	20	CP-16QAM	M	51@0	18.222	19.400	PASS
N77-3700-3980	30	20	CP-64QAM	M	51@0	18.222	19.440	PASS
N77-3700-3980	30	20	CP-256QAM	M	51@0	18.102	19.040	PASS
N77-3700-3980	30	30	DFT-QPSK	M	75@0	27.138	29.460	PASS
N77-3700-3980	30	30	DFT-PI2BPSK	M	75@0	27.199	29.460	PASS



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Report No.: SEWM2311000447RG02

Rev.: 01

Page: 10 of 68

N77-3700-3980	30	30	DFT-16QAM	M	75@0	27.174	29.280	PASS
N77-3700-3980	30	30	DFT-64QAM	M	75@0	27.178	29.520	PASS
N77-3700-3980	30	30	DFT-256QAM	M	75@0	27.215	29.220	PASS
N77-3700-3980	30	30	CP-QPSK	M	78@0	27.193	29.640	PASS
N77-3700-3980	30	30	CP-16QAM	M	78@0	27.242	29.460	PASS
N77-3700-3980	30	30	CP-64QAM	M	78@0	27.182	29.340	PASS
N77-3700-3980	30	30	CP-256QAM	M	78@0	27.073	29.460	PASS
N77-3700-3980	30	40	DFT-QPSK	M	100@0	36.057	38.320	PASS
N77-3700-3980	30	40	DFT-PI2BPSK	M	100@0	35.916	38.400	PASS
N77-3700-3980	30	40	DFT-16QAM	M	100@0	36	38.480	PASS
N77-3700-3980	30	40	DFT-64QAM	M	100@0	35.841	38.400	PASS
N77-3700-3980	30	40	DFT-256QAM	M	100@0	35.874	38.320	PASS
N77-3700-3980	30	40	CP-QPSK	M	106@0	35.94	38.480	PASS
N77-3700-3980	30	40	CP-16QAM	M	106@0	35.978	38.160	PASS
N77-3700-3980	30	40	CP-64QAM	M	106@0	35.981	38.560	PASS
N77-3700-3980	30	40	CP-256QAM	M	106@0	35.811	38.400	PASS
N77-3700-3980	30	50	DFT-QPSK	M	128@0	45.799	48.500	PASS
N77-3700-3980	30	50	DFT-PI2BPSK	M	128@0	45.957	48.500	PASS
N77-3700-3980	30	50	DFT-16QAM	M	128@0	45.757	48.700	PASS
N77-3700-3980	30	50	DFT-64QAM	M	128@0	45.817	48.300	PASS
N77-3700-3980	30	50	DFT-256QAM	M	128@0	45.605	48.600	PASS
N77-3700-3980	30	50	CP-QPSK	M	133@0	47.577	50.200	PASS
N77-3700-3980	30	50	CP-16QAM	M	133@0	47.432	50.500	PASS
N77-3700-3980	30	50	CP-64QAM	M	133@0	47.608	50.300	PASS
N77-3700-3980	30	50	CP-256QAM	M	133@0	47.659	50.500	PASS
N77-3700-3980	30	60	DFT-QPSK	M	162@0	57.912	60.960	PASS
N77-3700-3980	30	60	DFT-PI2BPSK	M	162@0	57.95	60.600	PASS
N77-3700-3980	30	60	DFT-16QAM	M	162@0	57.805	60.720	PASS
N77-3700-3980	30	60	DFT-64QAM	M	162@0	58.008	60.960	PASS
N77-3700-3980	30	60	DFT-256QAM	M	162@0	57.985	60.840	PASS
N77-3700-3980	30	60	CP-QPSK	M	162@0	57.91	60.600	PASS
N77-3700-3980	30	60	CP-16QAM	M	162@0	57.78	60.720	PASS
N77-3700-3980	30	60	CP-64QAM	M	162@0	57.902	60.960	PASS
N77-3700-3980	30	60	CP-256QAM	M	162@0	57.847	60.600	PASS
N77-3700-3980	30	70	DFT-QPSK	M	180@0	64.295	67.480	PASS
N77-3700-3980	30	70	DFT-PI2BPSK	M	180@0	64.189	67.760	PASS
N77-3700-3980	30	70	DFT-16QAM	M	180@0	64.341	67.200	PASS



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Report No.: SEWM2311000447RG02

Rev.: 01

Page: 11 of 68

N77-3700-3980	30	70	DFT-64QAM	M	180@0	64.238	67.480	PASS
N77-3700-3980	30	70	DFT-256QAM	M	180@0	64.228	67.200	PASS
N77-3700-3980	30	70	CP-QPSK	M	189@0	67.407	70.560	PASS
N77-3700-3980	30	70	CP-16QAM	M	189@0	67.363	70.560	PASS
N77-3700-3980	30	70	CP-64QAM	M	189@0	67.463	70.560	PASS
N77-3700-3980	30	70	CP-256QAM	M	189@0	67.509	70.560	PASS
N77-3700-3980	30	80	DFT-QPSK	M	216@0	76.943	80.480	PASS
N77-3700-3980	30	80	DFT-PI2BPSK	M	216@0	77.081	80.160	PASS
N77-3700-3980	30	80	DFT-16QAM	M	216@0	77.305	80.320	PASS
N77-3700-3980	30	80	DFT-64QAM	M	216@0	77.027	80.480	PASS
N77-3700-3980	30	80	DFT-256QAM	M	216@0	77.073	80.320	PASS
N77-3700-3980	30	80	CP-QPSK	M	217@0	77.443	80.800	PASS
N77-3700-3980	30	80	CP-16QAM	M	217@0	77.605	80.640	PASS
N77-3700-3980	30	80	CP-64QAM	M	217@0	77.539	80.640	PASS
N77-3700-3980	30	80	CP-256QAM	M	217@0	77.475	80.960	PASS
N77-3700-3980	30	90	DFT-QPSK	M	240@0	85.76	88.920	PASS
N77-3700-3980	30	90	DFT-PI2BPSK	M	240@0	85.622	89.100	PASS
N77-3700-3980	30	90	DFT-16QAM	M	240@0	85.74	89.100	PASS
N77-3700-3980	30	90	DFT-64QAM	M	240@0	85.609	88.920	PASS
N77-3700-3980	30	90	DFT-256QAM	M	240@0	85.535	89.460	PASS
N77-3700-3980	30	90	CP-QPSK	M	245@0	87.335	90.720	PASS
N77-3700-3980	30	90	CP-16QAM	M	245@0	87.489	90.900	PASS
N77-3700-3980	30	90	CP-64QAM	M	245@0	87.475	90.540	PASS
N77-3700-3980	30	90	CP-256QAM	M	245@0	87.403	90.900	PASS
N77-3700-3980	30	100	DFT-QPSK	M	270@0	96.109	100.000	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	270@0	96.313	99.800	PASS
N77-3700-3980	30	100	DFT-16QAM	M	270@0	96.489	99.800	PASS
N77-3700-3980	30	100	DFT-64QAM	M	270@0	96.25	99.800	PASS
N77-3700-3980	30	100	DFT-256QAM	M	270@0	96.176	99.800	PASS
N77-3700-3980	30	100	CP-QPSK	M	273@0	97.305	101.000	PASS
N77-3700-3980	30	100	CP-16QAM	M	273@0	97.445	100.800	PASS
N77-3700-3980	30	100	CP-64QAM	M	273@0	97.085	101.000	PASS
N77-3700-3980	30	100	CP-256QAM	M	273@0	97.355	101.000	PASS



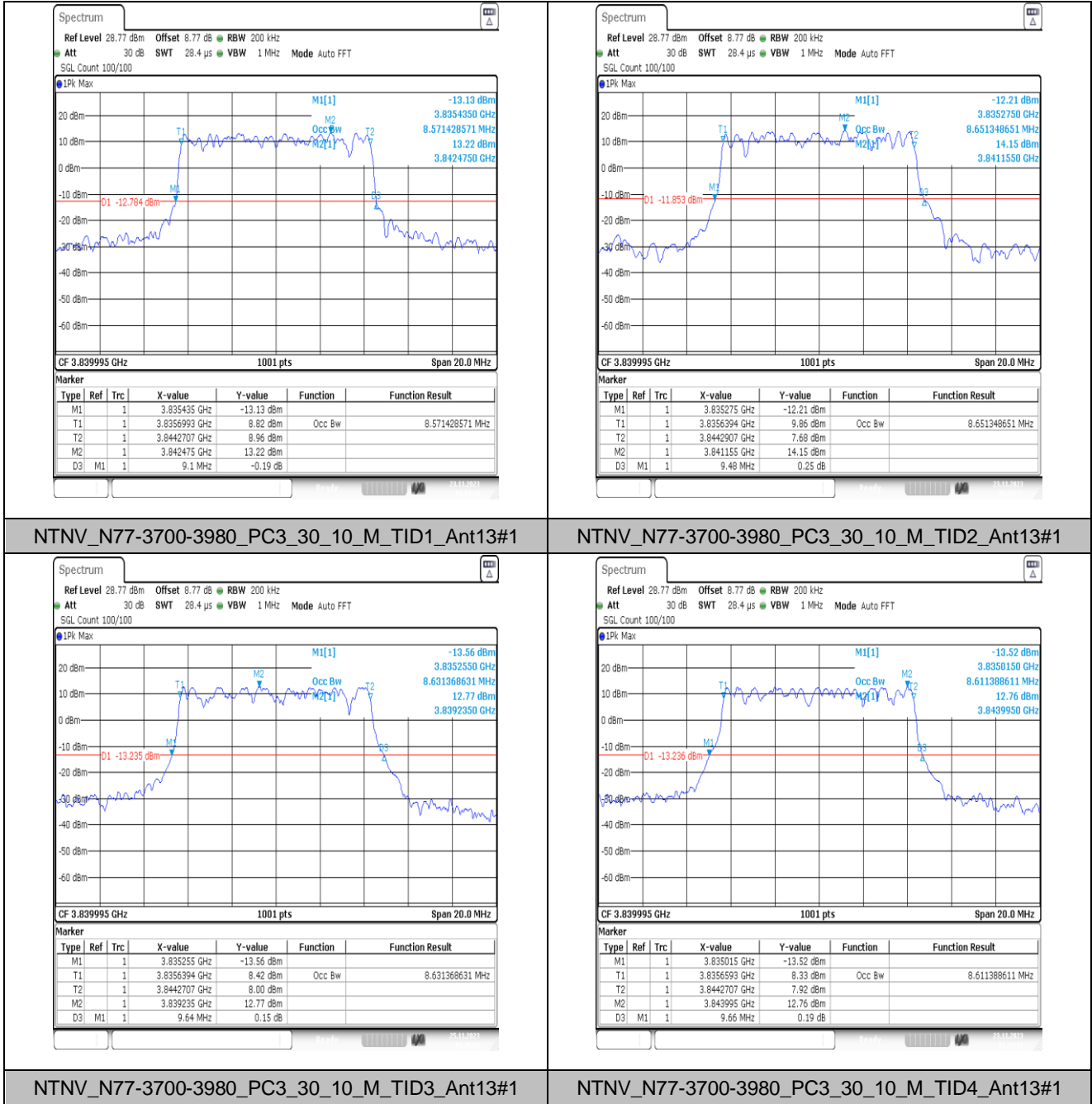
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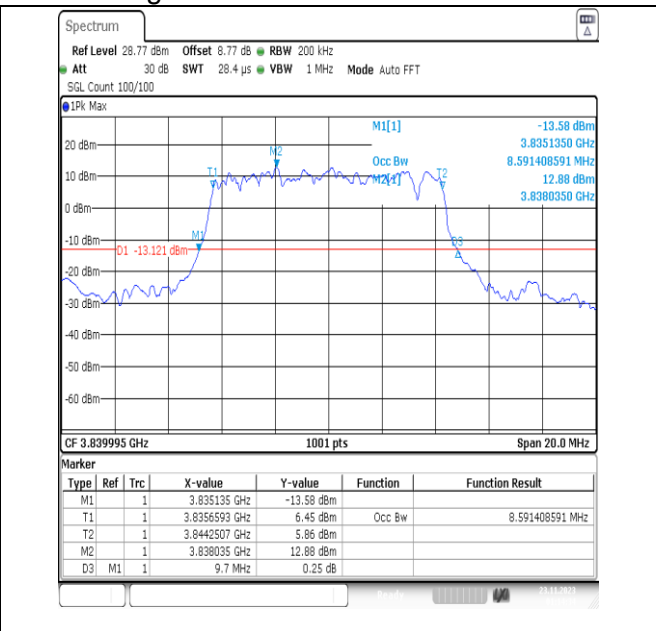
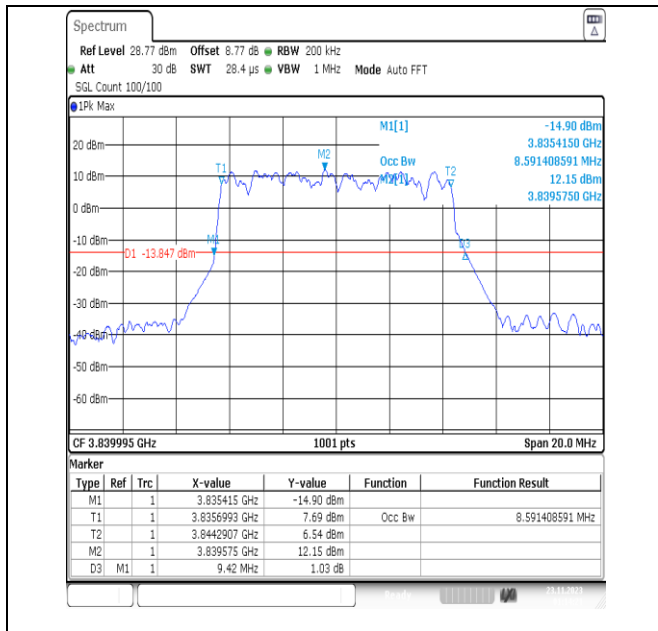
Test Graphs



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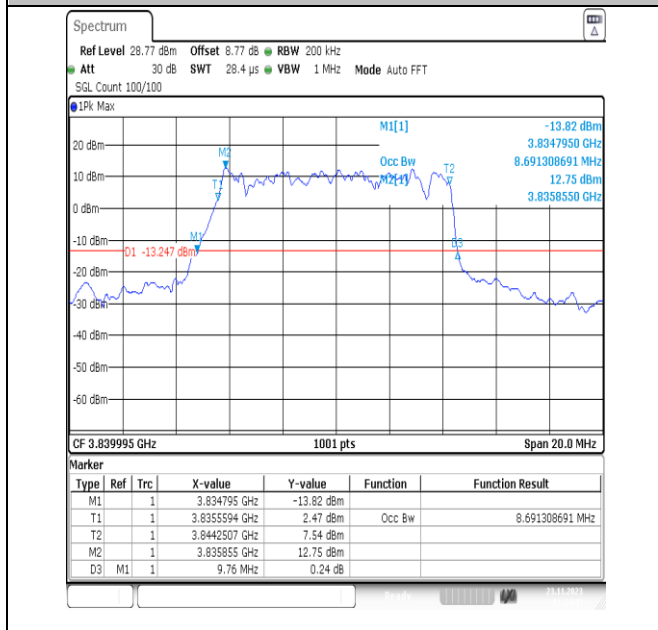
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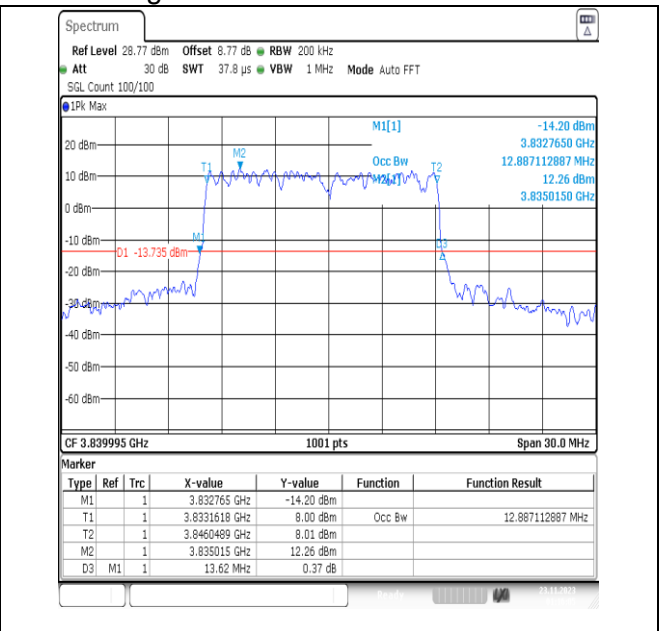
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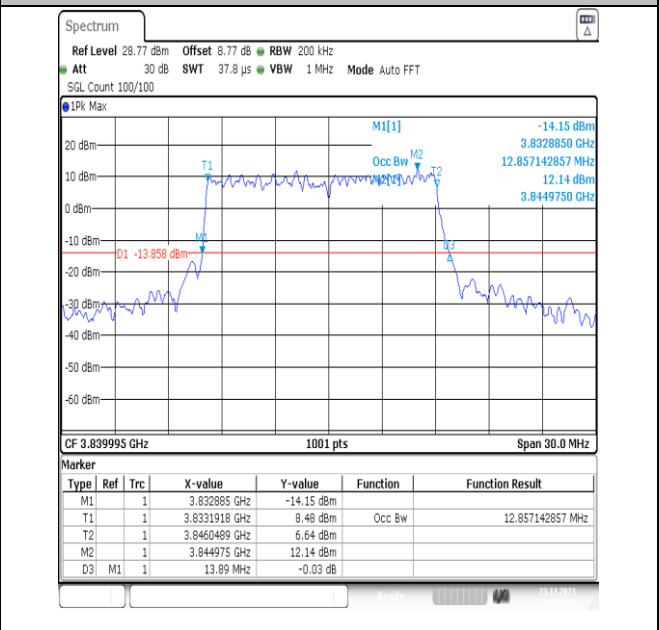
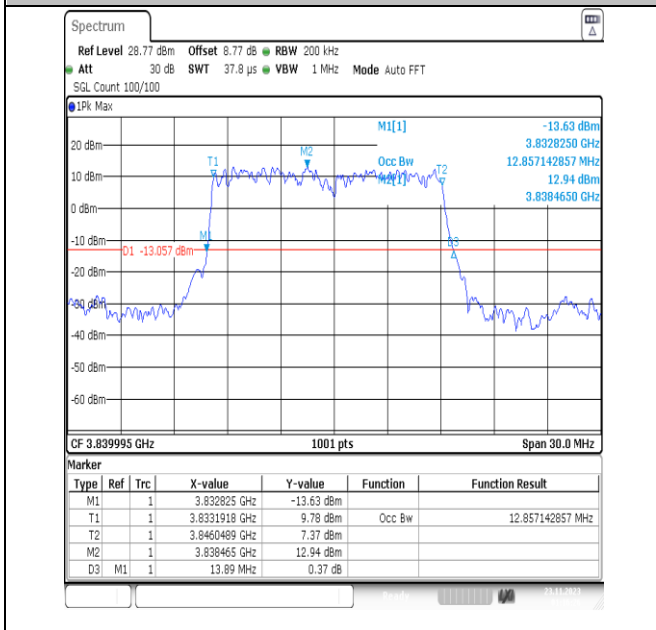
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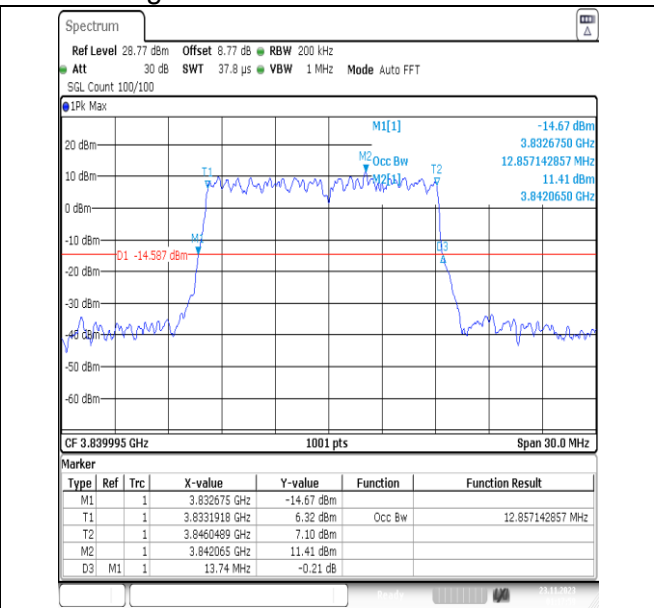
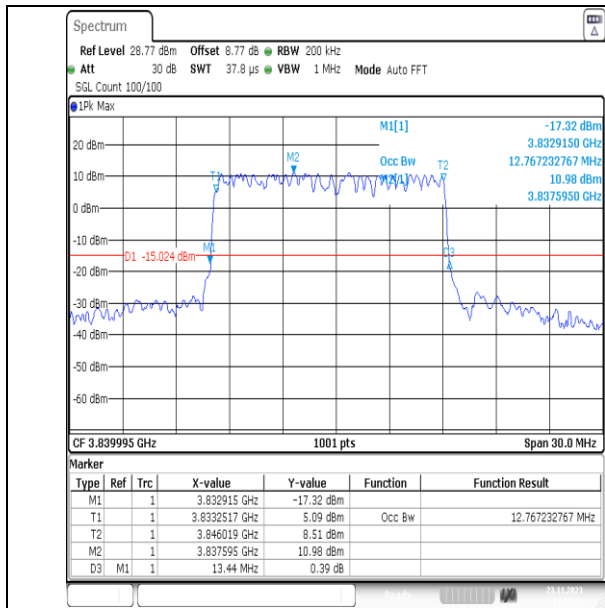
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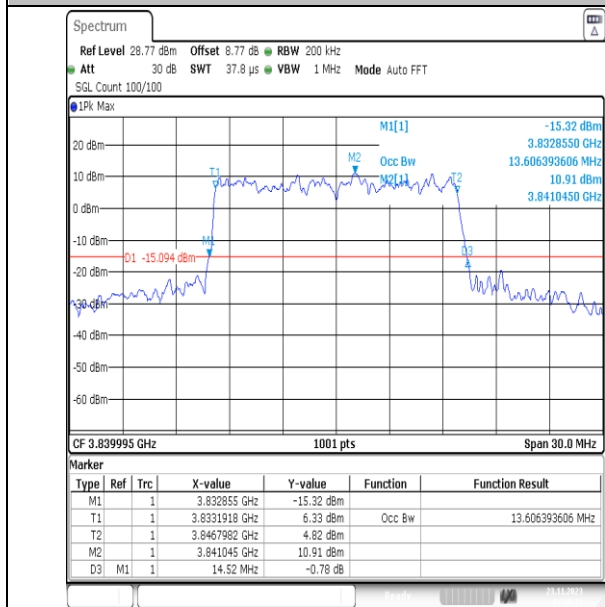
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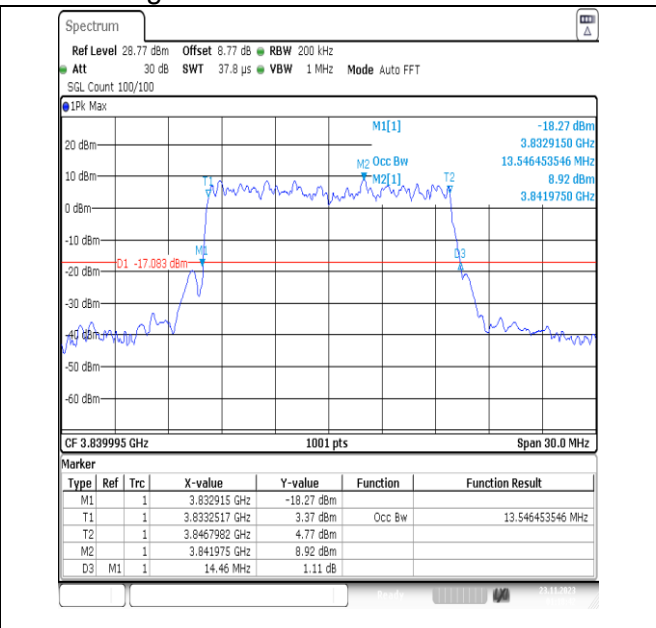
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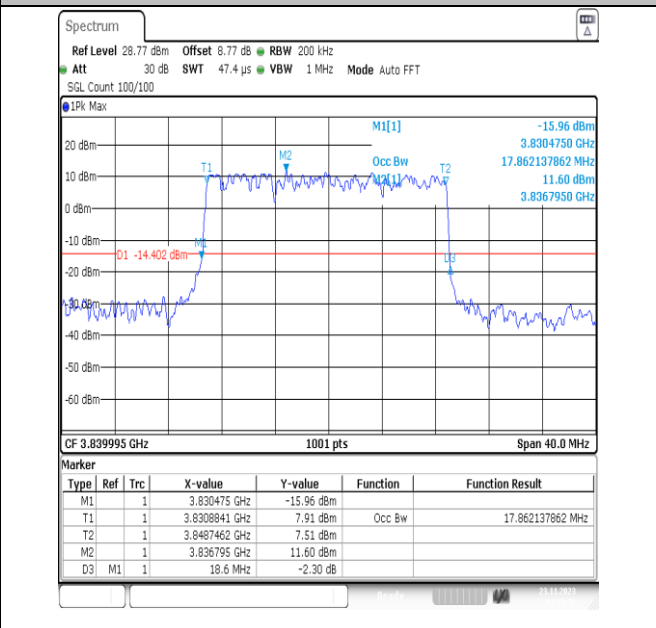
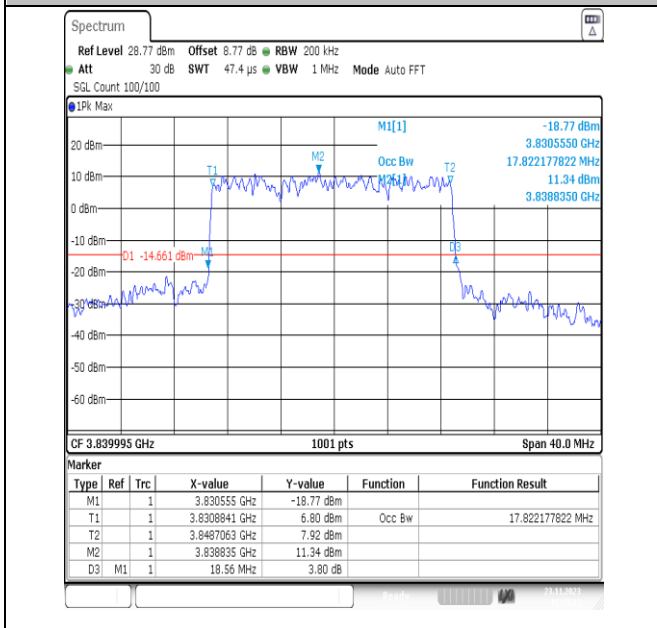
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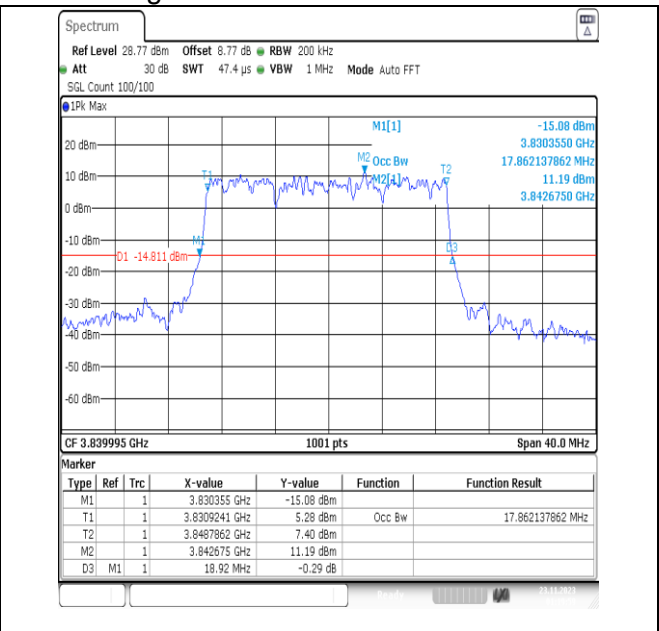
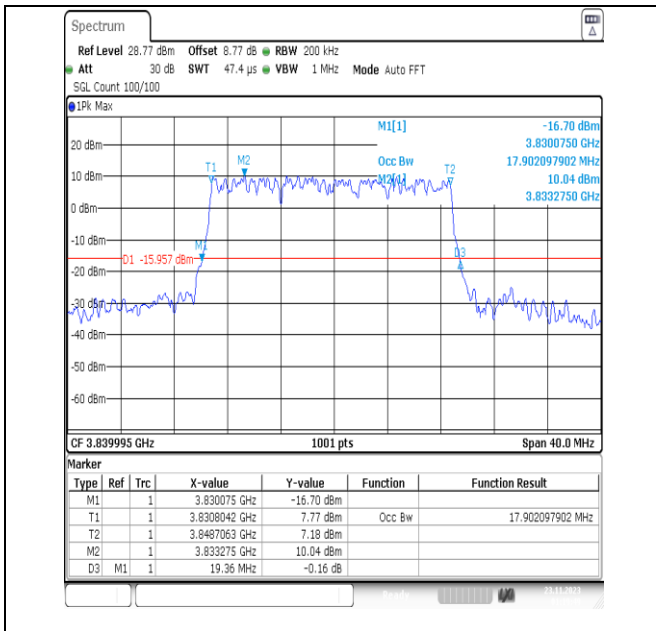


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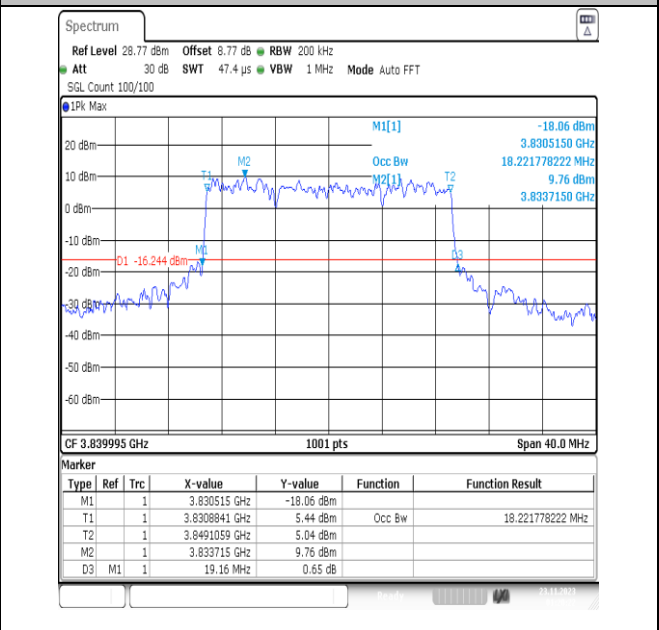
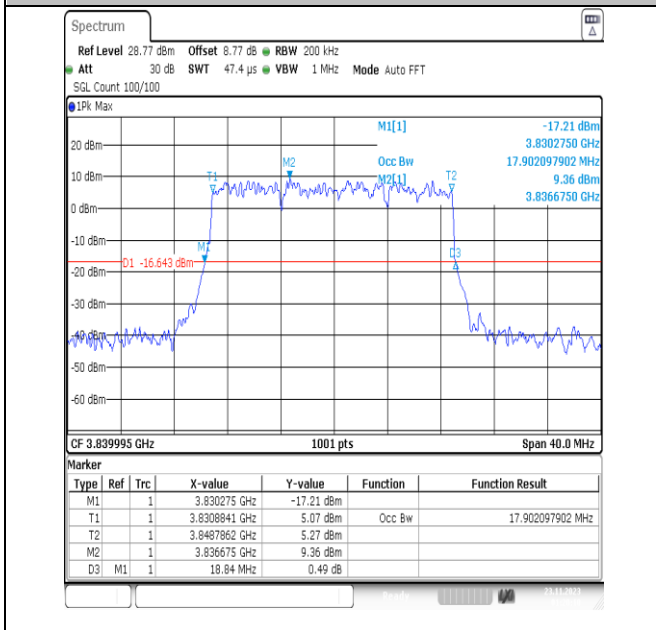
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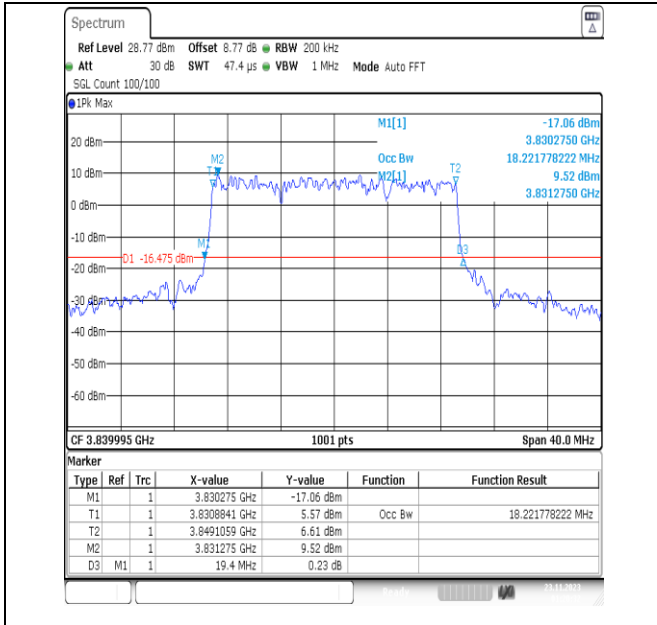
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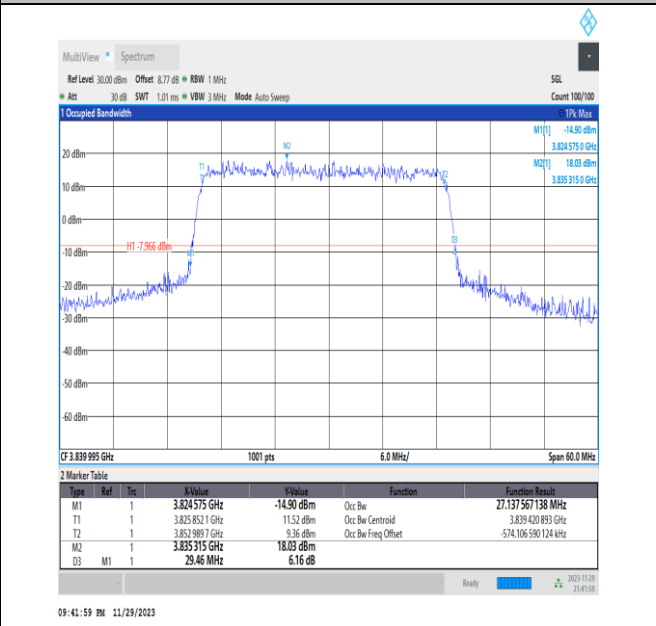
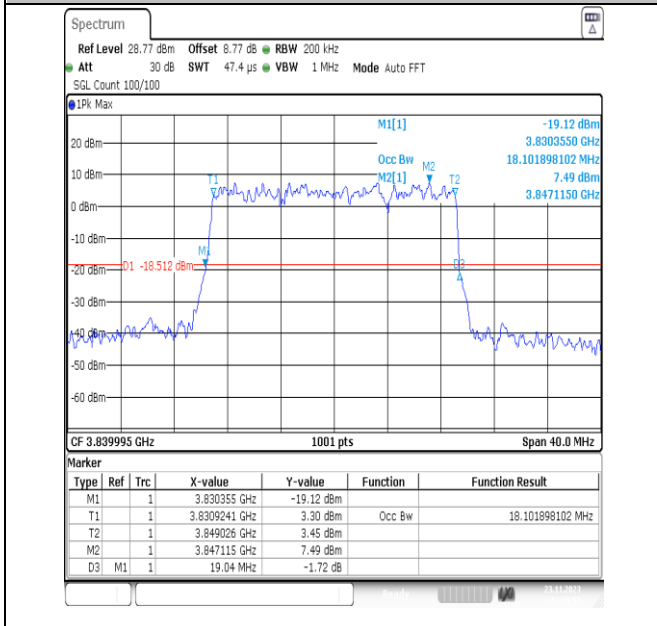
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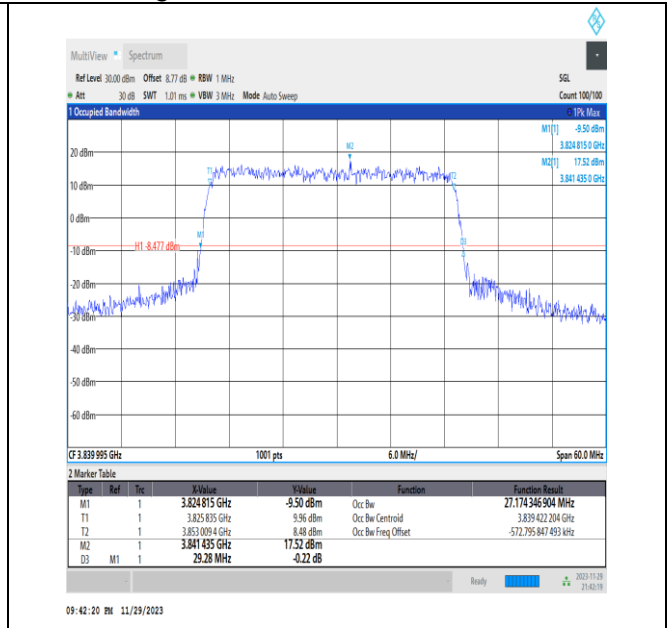
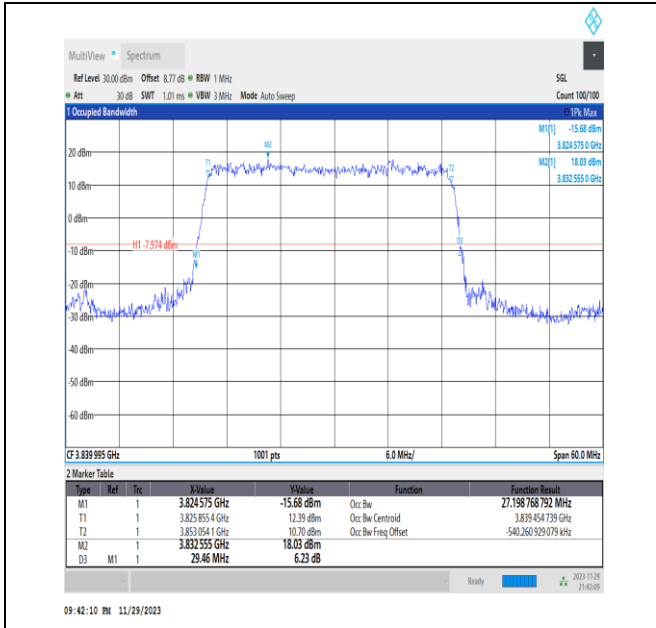
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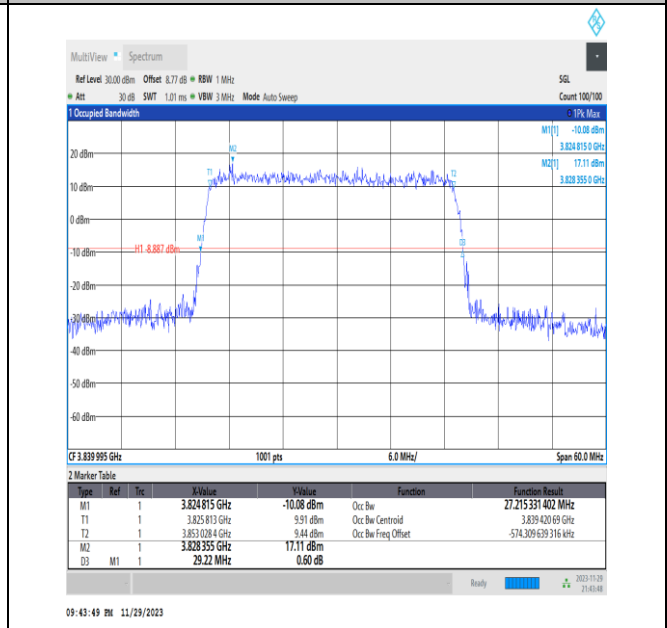
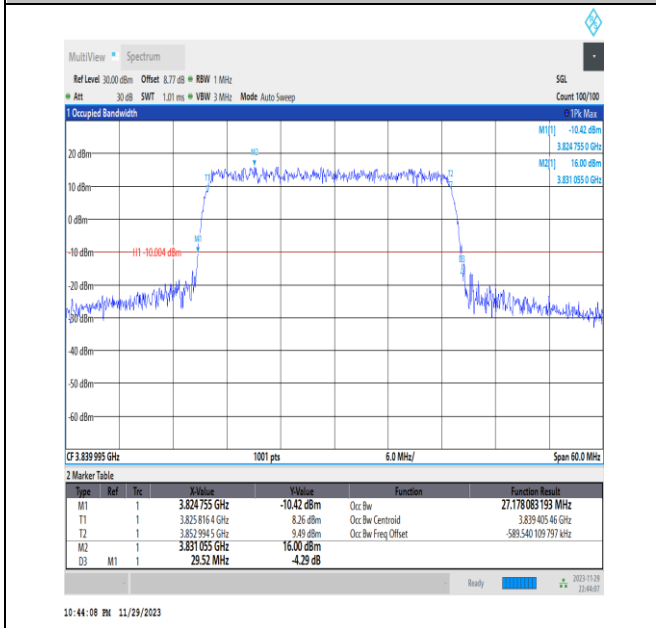
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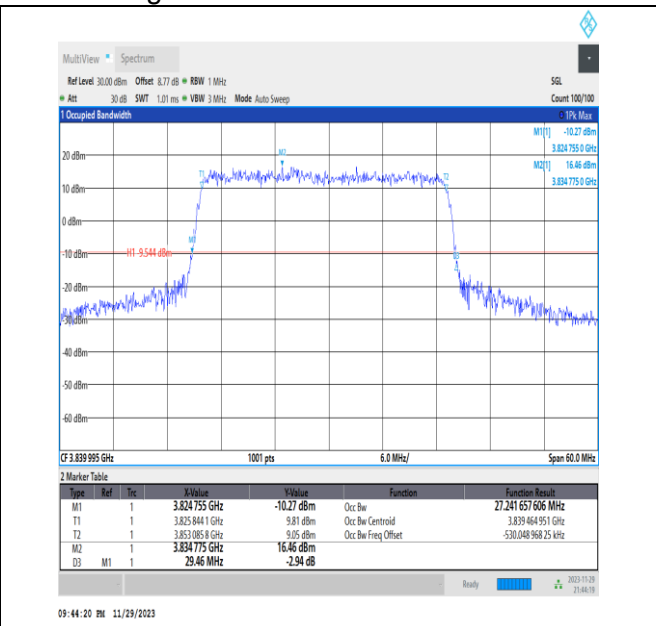
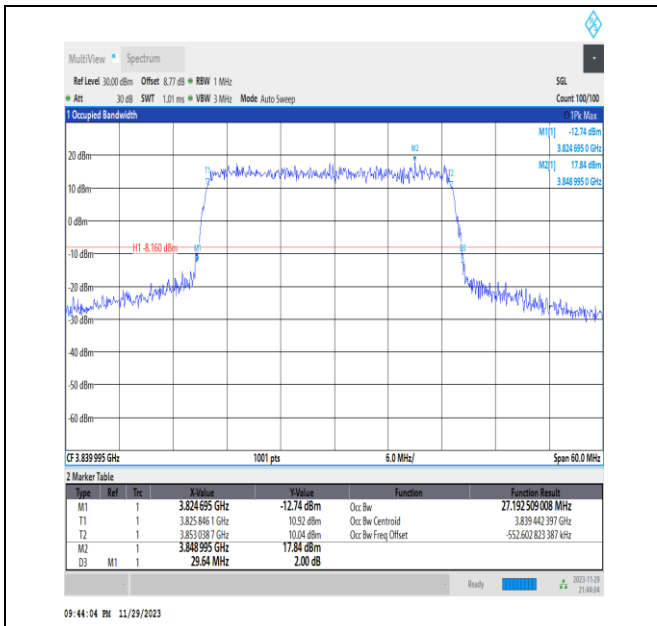
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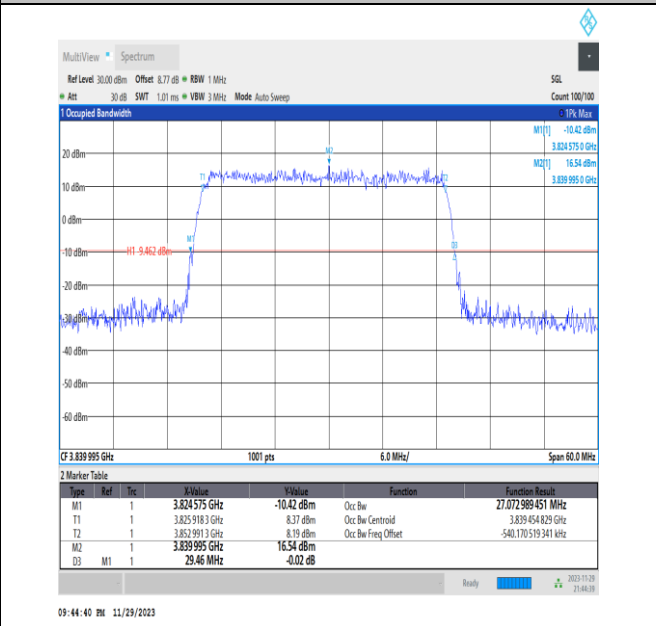
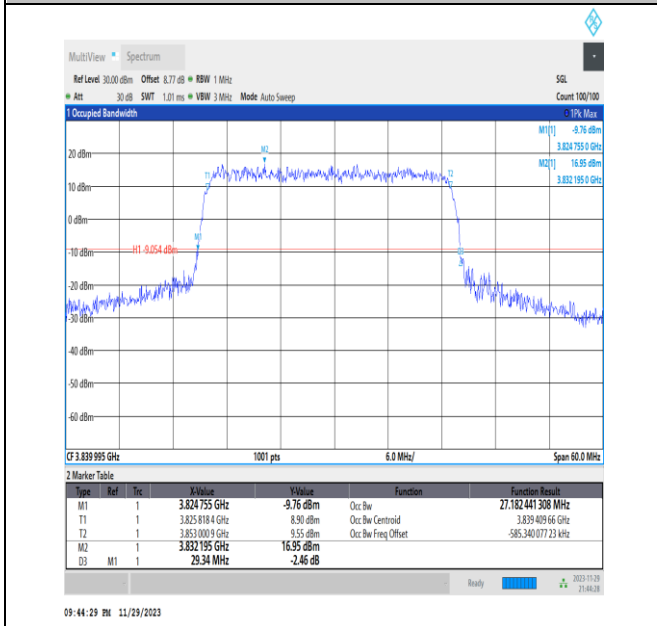
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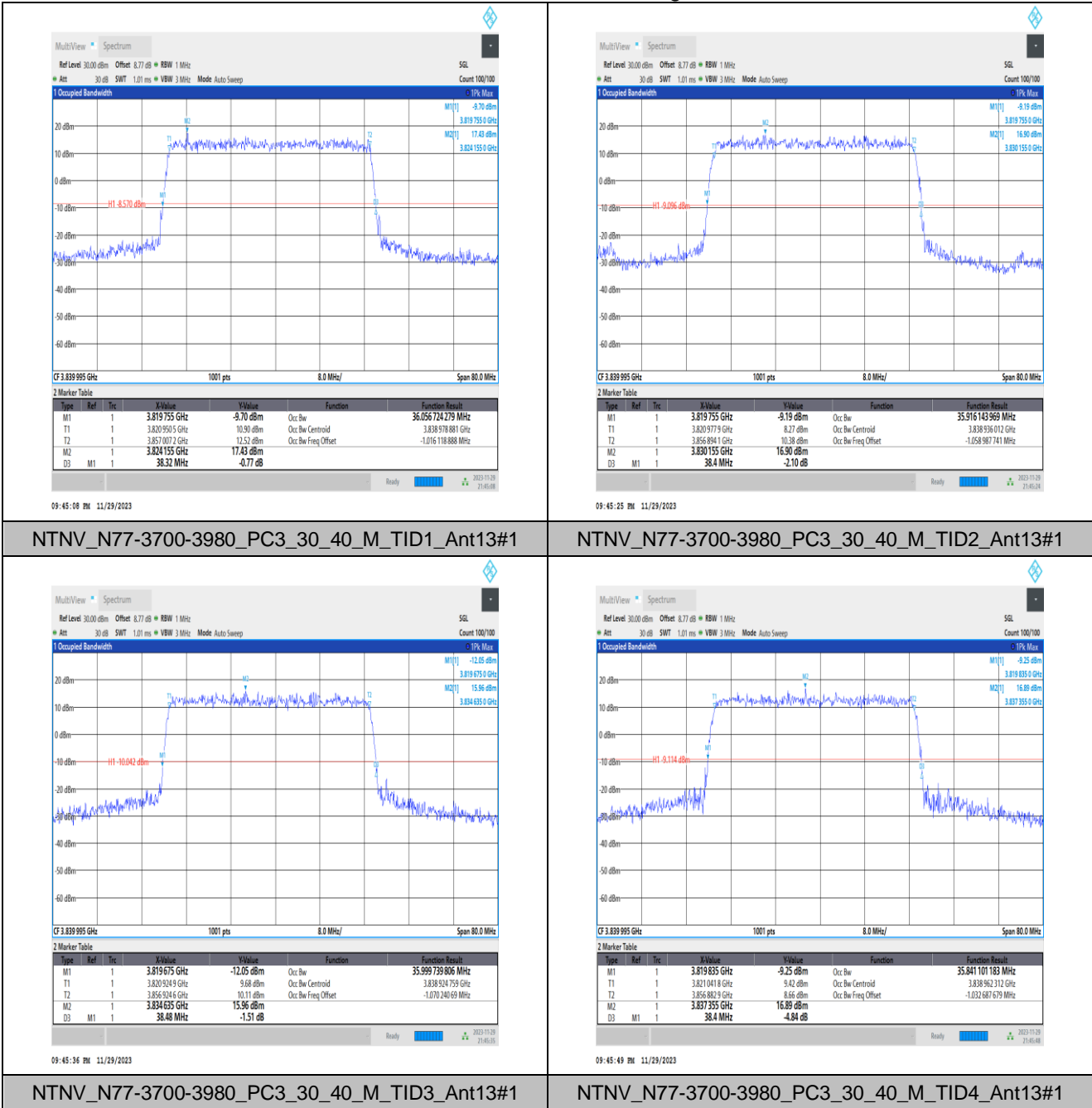
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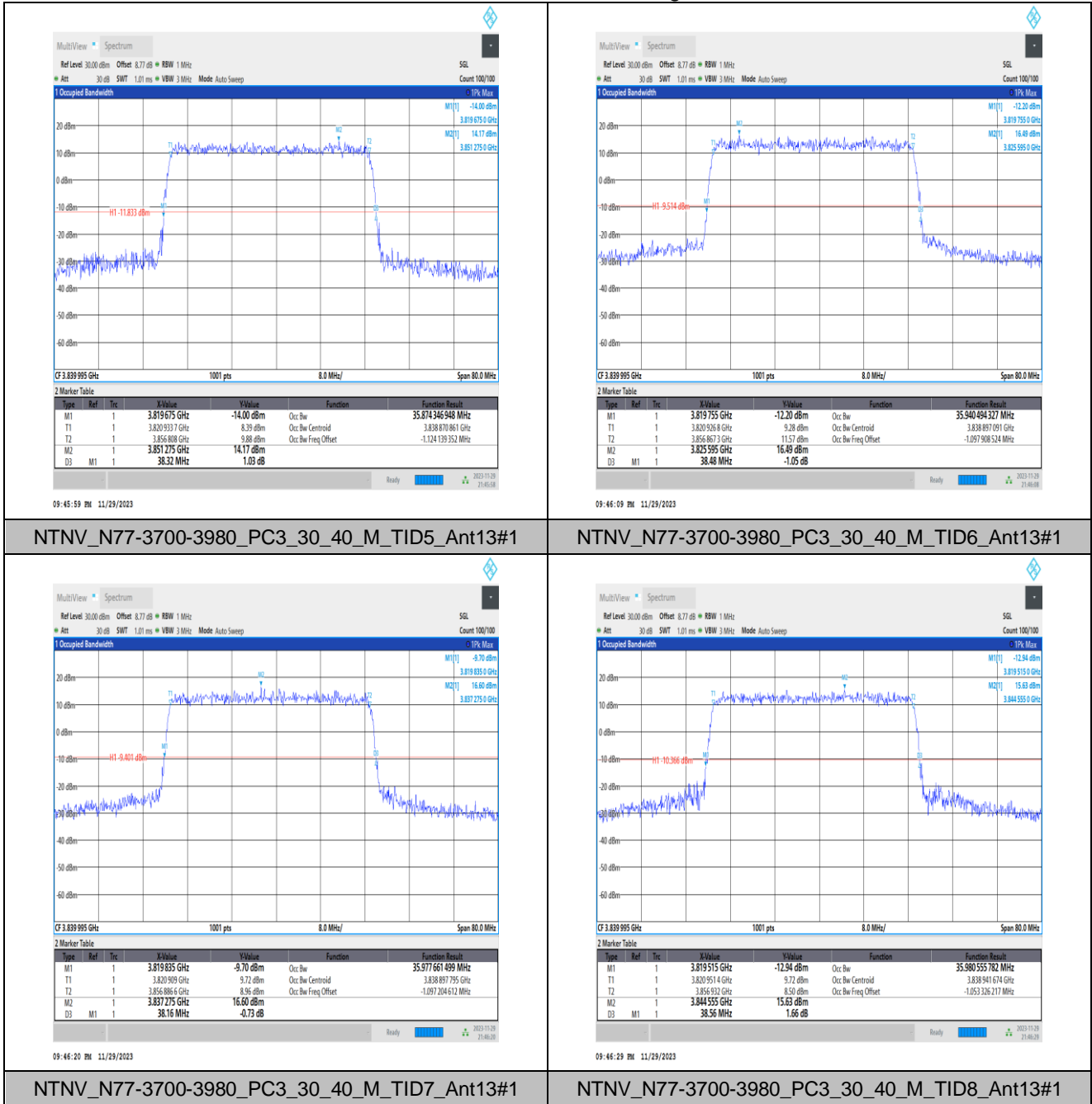
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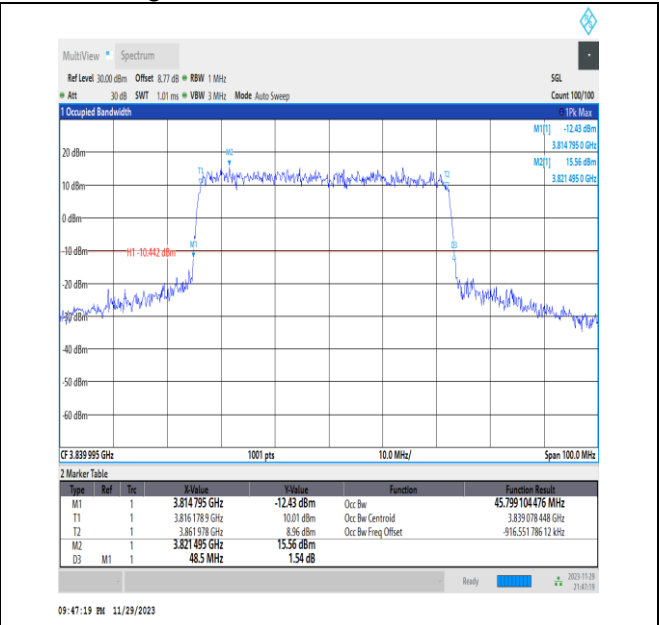
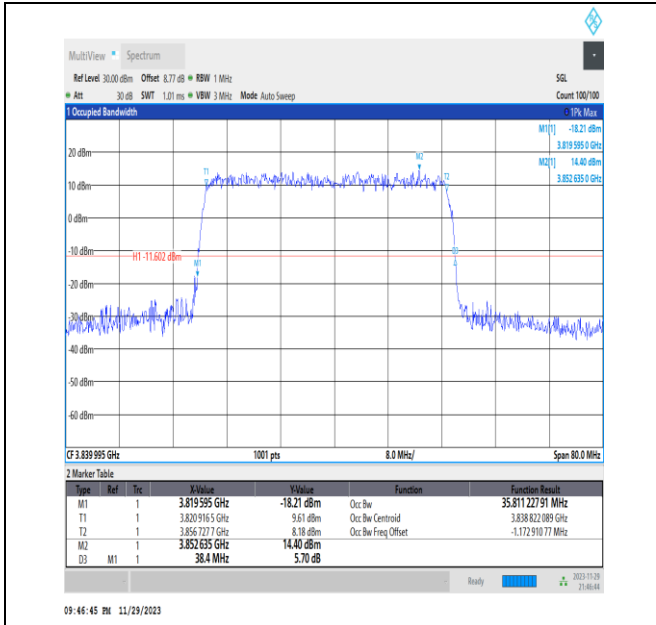
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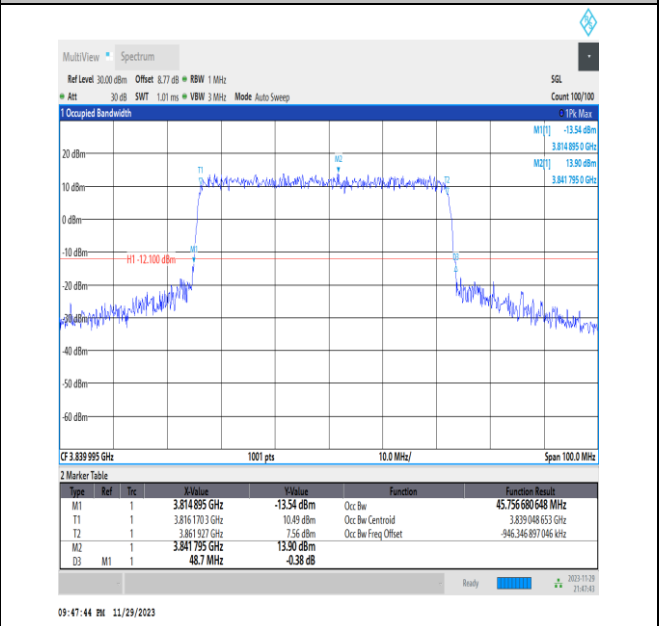
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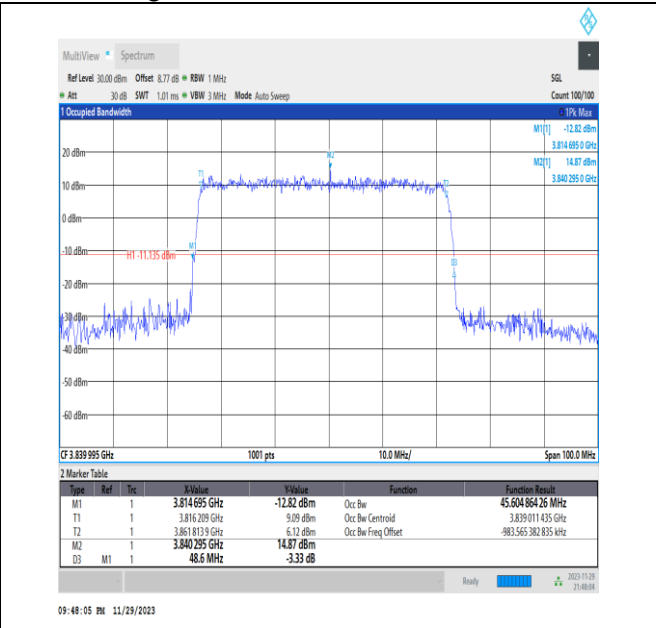
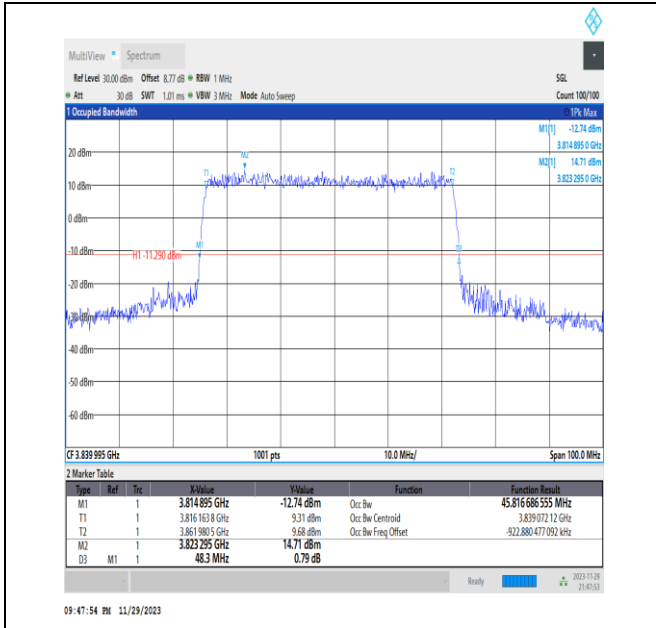
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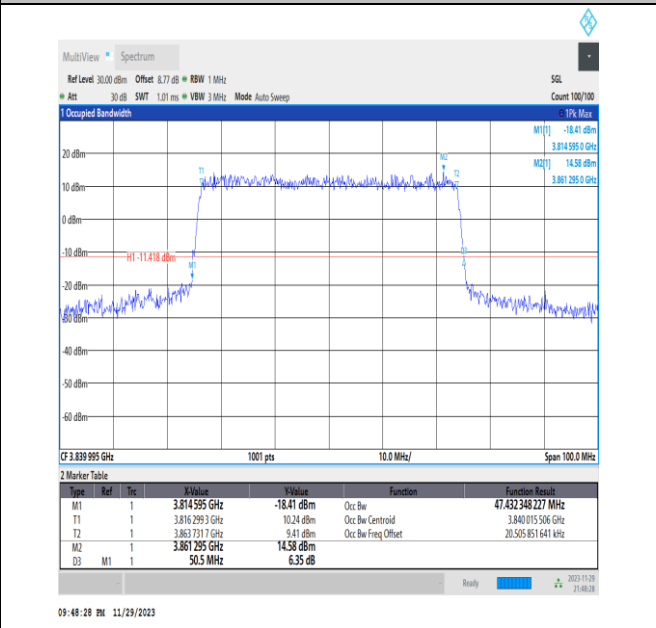
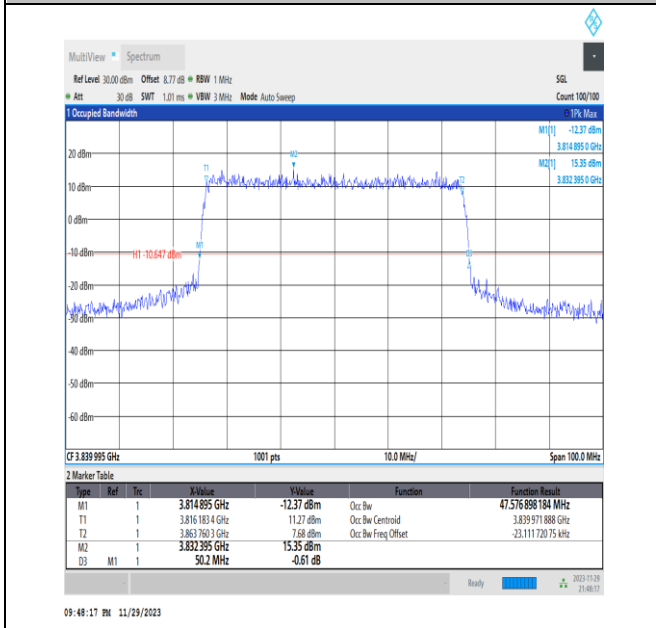
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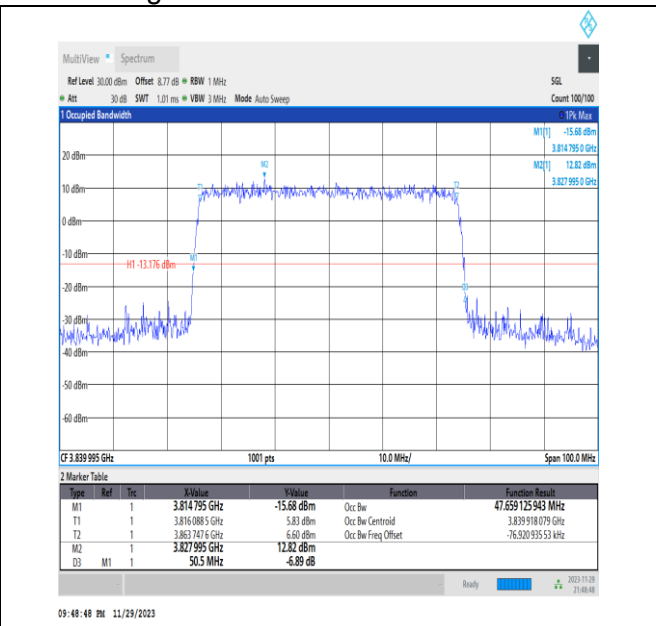
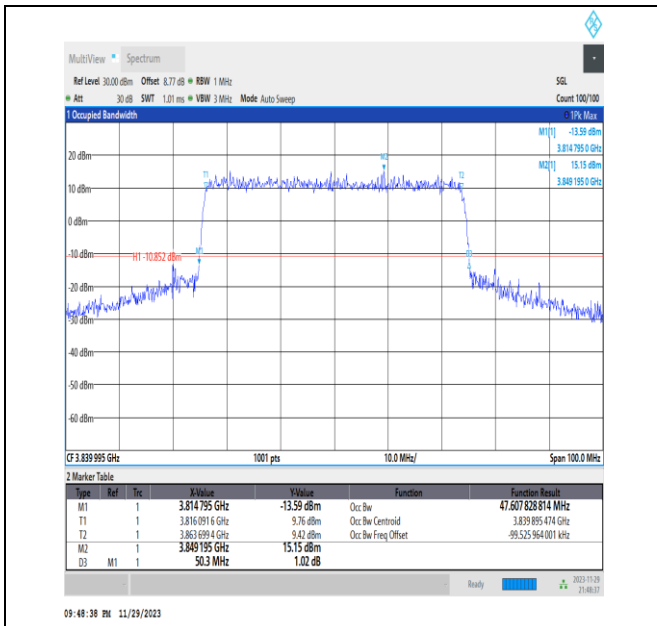


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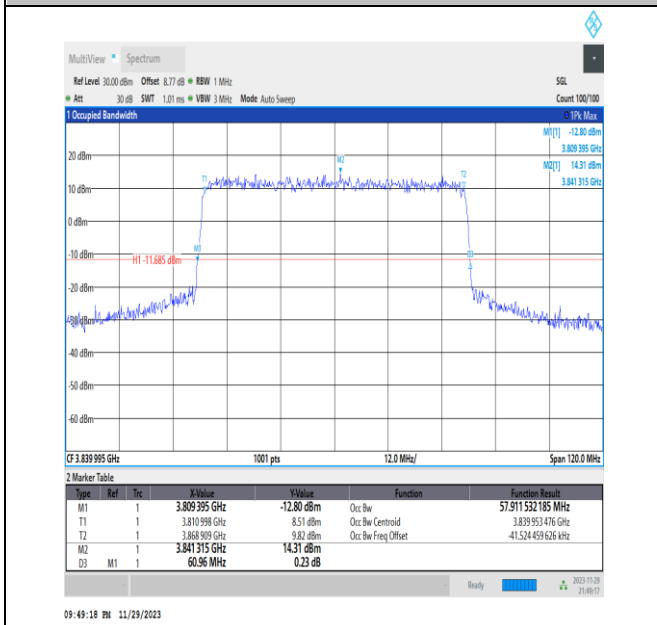
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