

Report No.: SEWM2311000466RG02

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Appendix B.29

NR Band n77(3700-3980)



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Ant4

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N77-3700-3980	30	10	DFT-QPSK	L	Inner_1RB_Left	25.13	23.78	30.00	PASS
N77-3700-3980	30	10	DFT-16QAM	L	Inner_1RB_Left	24.22	22.87	30.00	PASS
N77-3700-3980	30	10	DFT-QPSK	M	Inner_1RB_Left	23.88	22.53	30.00	PASS
N77-3700-3980	30	10	DFT-16QAM	M	Inner_1RB_Left	22.97	21.62	30.00	PASS
N77-3700-3980	30	10	DFT-QPSK	H	Inner_1RB_Left	25.1	23.75	30.00	PASS
N77-3700-3980	30	10	DFT-16QAM	H	Inner_1RB_Left	24.11	22.76	30.00	PASS
N77-3700-3980	30	15	DFT-QPSK	L	Inner_1RB_Left	25.09	23.74	30.00	PASS
N77-3700-3980	30	15	DFT-16QAM	L	Inner_1RB_Left	24.15	22.80	30.00	PASS
N77-3700-3980	30	15	DFT-QPSK	M	Inner_1RB_Left	25.86	24.51	30.00	PASS
N77-3700-3980	30	15	DFT-16QAM	M	Inner_1RB_Left	24.93	23.58	30.00	PASS
N77-3700-3980	30	15	DFT-QPSK	H	Inner_1RB_Left	25.78	24.43	30.00	PASS
N77-3700-3980	30	15	DFT-16QAM	H	Inner_1RB_Left	24.23	22.88	30.00	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Inner_1RB_Left	25.07	23.72	30.00	PASS
N77-3700-3980	30	20	DFT-16QAM	L	Inner_1RB_Left	24.1	22.75	30.00	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Inner_1RB_Left	23.85	22.50	30.00	PASS
N77-3700-3980	30	20	DFT-16QAM	M	Inner_1RB_Left	22.98	21.63	30.00	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Inner_1RB_Left	24.82	23.47	30.00	PASS
N77-3700-3980	30	20	DFT-16QAM	H	Inner_1RB_Left	23.81	22.46	30.00	PASS
N77-3700-3980	30	40	DFT-QPSK	L	Inner_1RB_Left	24.97	23.62	30.00	PASS
N77-3700-3980	30	40	DFT-16QAM	L	Inner_1RB_Left	24.05	22.70	30.00	PASS
N77-3700-3980	30	40	DFT-QPSK	M	Inner_1RB_Left	24.19	22.84	30.00	PASS
N77-3700-3980	30	40	DFT-16QAM	M	Inner_1RB_Left	23.22	21.87	30.00	PASS
N77-3700-3980	30	40	DFT-QPSK	H	Inner_1RB_Left	24.7	23.35	30.00	PASS
N77-3700-3980	30	40	DFT-16QAM	H	Inner_1RB_Left	23.76	22.41	30.00	PASS
N77-3700-3980	30	50	DFT-QPSK	L	Inner_1RB_Left	25.04	23.69	30.00	PASS
N77-3700-3980	30	50	DFT-16QAM	L	Inner_1RB_Left	24.14	22.79	30.00	PASS
N77-3700-3980	30	50	DFT-QPSK	M	Inner_1RB_Left	24.2	22.85	30.00	PASS
N77-3700-3980	30	50	DFT-16QAM	M	Inner_1RB_Left	23.26	21.91	30.00	PASS
N77-3700-3980	30	50	DFT-QPSK	H	Inner_1RB_Left	24.36	23.01	30.00	PASS
N77-3700-3980	30	50	DFT-16QAM	H	Inner_1RB_Left	23.43	22.08	30.00	PASS



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Table with 11 columns: Test ID, Sample No., Lot No., Modulation, Bandwidth, Location, Measured Value 1, Measured Value 2, Limit 1, Limit 2, Result. Contains 40 rows of test data.



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N77-3700-3980	30	100	DFT-QPSK	M	Inner_1RB_Left	24.73	23.38	30.00	PASS
N77-3700-3980	30	100	DFT-QPSK	M	Inner_1RB_Right	24.74	23.39	30.00	PASS
N77-3700-3980	30	100	DFT-QPSK	M	Outer_Full	23.53	22.18	30.00	PASS
N77-3700-3980	30	100	DFT-16QAM	M	Inner_1RB_Left	23.77	22.42	30.00	PASS
N77-3700-3980	30	100	DFT-16QAM	M	Inner_1RB_Right	23.69	22.34	30.00	PASS
N77-3700-3980	30	100	DFT-16QAM	M	Outer_Full	22.57	21.22	30.00	PASS
N77-3700-3980	30	100	DFT-64QAM	M	Inner_1RB_Left	22.42	21.07	30.00	PASS
N77-3700-3980	30	100	DFT-64QAM	M	Inner_1RB_Right	22.34	20.99	30.00	PASS
N77-3700-3980	30	100	DFT-64QAM	M	Outer_Full	22.05	20.70	30.00	PASS
N77-3700-3980	30	100	DFT-256QAM	M	Inner_1RB_Left	20.13	18.78	30.00	PASS
N77-3700-3980	30	100	DFT-256QAM	M	Inner_1RB_Right	20.15	18.80	30.00	PASS
N77-3700-3980	30	100	DFT-256QAM	M	Outer_Full	20.13	18.78	30.00	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	H	Inner_1RB_Left	24.67	23.32	30.00	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	H	Inner_1RB_Right	25.46	24.11	30.00	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	H	Outer_Full	24.22	22.87	30.00	PASS
N77-3700-3980	30	100	DFT-QPSK	H	Inner_1RB_Left	24.67	23.32	30.00	PASS
N77-3700-3980	30	100	DFT-QPSK	H	Inner_1RB_Right	25.51	24.16	30.00	PASS
N77-3700-3980	30	100	DFT-QPSK	H	Outer_Full	23.74	22.39	30.00	PASS
N77-3700-3980	30	100	DFT-16QAM	H	Inner_1RB_Left	23.69	22.34	30.00	PASS
N77-3700-3980	30	100	DFT-16QAM	H	Inner_1RB_Right	24.53	23.18	30.00	PASS
N77-3700-3980	30	100	DFT-16QAM	H	Outer_Full	22.76	21.41	30.00	PASS
N77-3700-3980	30	100	DFT-64QAM	H	Inner_1RB_Left	22.3	20.95	30.00	PASS
N77-3700-3980	30	100	DFT-64QAM	H	Inner_1RB_Right	23.07	21.72	30.00	PASS
N77-3700-3980	30	100	DFT-64QAM	H	Outer_Full	22.28	20.93	30.00	PASS
N77-3700-3980	30	100	DFT-256QAM	H	Inner_1RB_Left	20.06	18.71	30.00	PASS
N77-3700-3980	30	100	DFT-256QAM	H	Inner_1RB_Right	20.85	19.50	30.00	PASS
N77-3700-3980	30	100	DFT-256QAM	H	Outer_Full	20.3	18.95	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	6.68	13	PASS
N77-3700-3980	30	100	CP-256QAM	L	Outer_Full	6.75	13	PASS
N77-3700-3980	30	100	DFT-256QAM	M	Outer_Full	6.62	13	PASS
N77-3700-3980	30	100	CP-256QAM	M	Outer_Full	6.66	13	PASS
N77-3700-3980	30	100	DFT-256QAM	H	Outer_Full	6.61	13	PASS
N77-3700-3980	30	100	CP-256QAM	H	Outer_Full	6.68	13	PASS

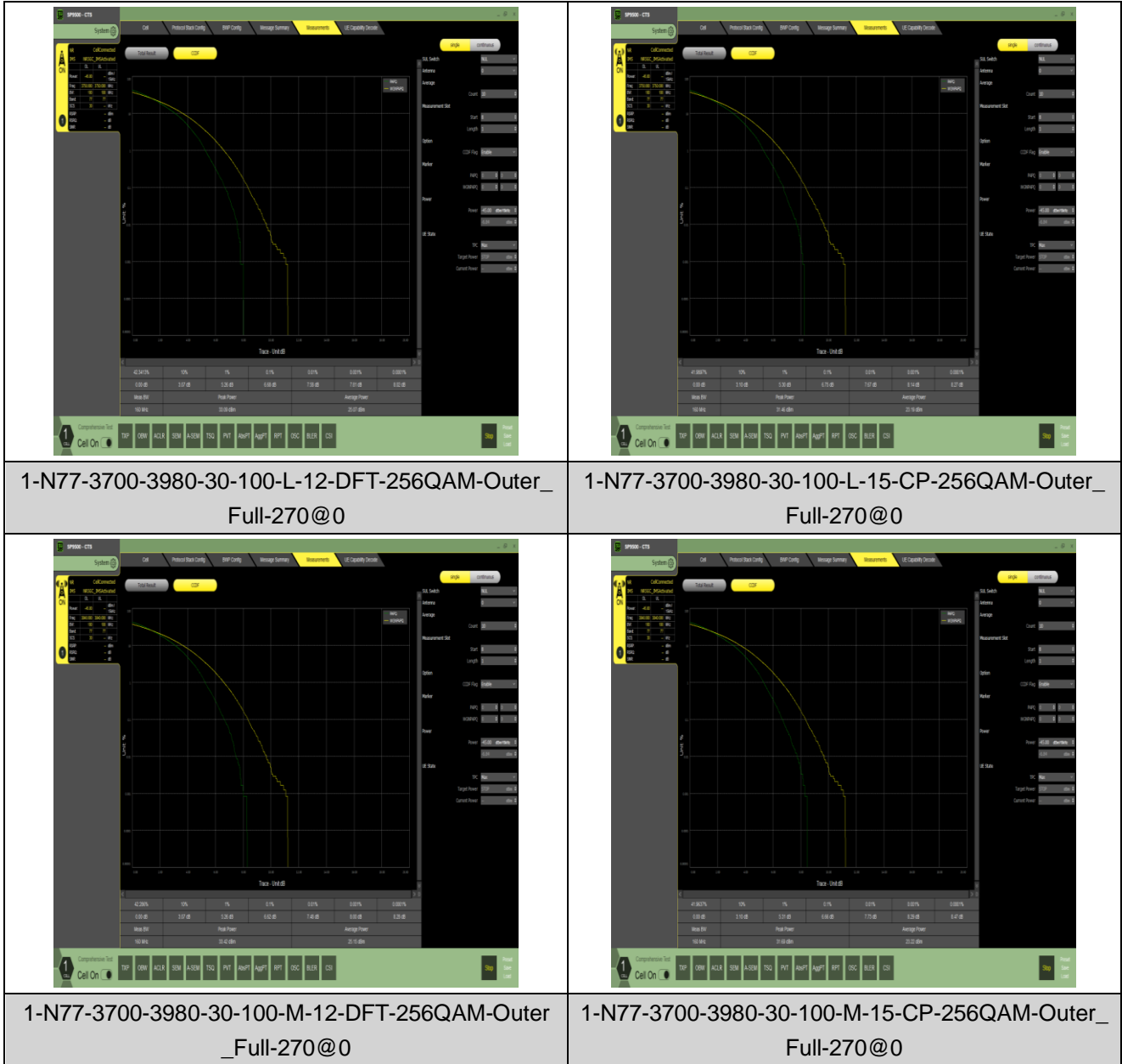


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Test Graphs



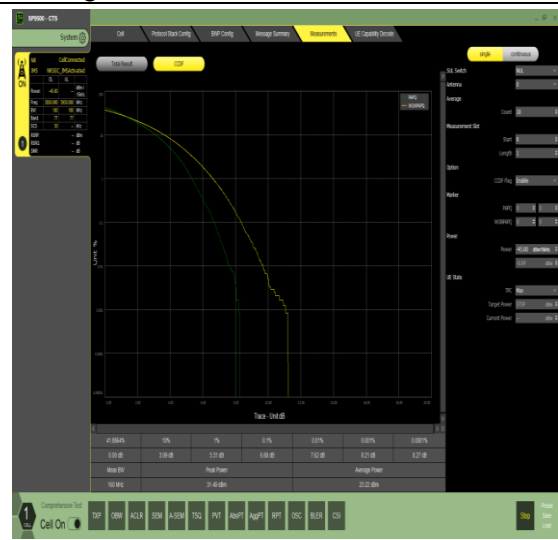
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1-N77-3700-3980-30-100-H-12-DFT-256QAM-Outer_
Full-270@0



1-N77-3700-3980-30-100-H-15-CP-256QAM-Outer_
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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	Outer_Full	8.59	9.300	PASS
N77-3700-3980	30	10	DFT-PI2BPSK	M	Outer_Full	8.61	9.320	PASS
N77-3700-3980	30	10	DFT-16QAM	M	Outer_Full	8.578	9.260	PASS
N77-3700-3980	30	10	DFT-64QAM	M	Outer_Full	8.594	9.260	PASS
N77-3700-3980	30	10	DFT-256QAM	M	Outer_Full	8.564	9.220	PASS
N77-3700-3980	30	10	CP-QPSK	M	Outer_Full	8.592	9.360	PASS
N77-3700-3980	30	10	CP-16QAM	M	Outer_Full	8.559	9.260	PASS
N77-3700-3980	30	10	CP-64QAM	M	Outer_Full	8.575	9.300	PASS
N77-3700-3980	30	10	CP-256QAM	M	Outer_Full	8.58	9.320	PASS
N77-3700-3980	30	15	DFT-QPSK	M	Outer_Full	12.968	14.010	PASS
N77-3700-3980	30	15	DFT-PI2BPSK	M	Outer_Full	12.929	13.980	PASS
N77-3700-3980	30	15	DFT-16QAM	M	Outer_Full	12.951	14.040	PASS
N77-3700-3980	30	15	DFT-64QAM	M	Outer_Full	12.972	14.070	PASS
N77-3700-3980	30	15	DFT-256QAM	M	Outer_Full	12.885	13.950	PASS
N77-3700-3980	30	15	CP-QPSK	M	Outer_Full	13.609	14.760	PASS
N77-3700-3980	30	15	CP-16QAM	M	Outer_Full	13.616	14.760	PASS
N77-3700-3980	30	15	CP-64QAM	M	Outer_Full	13.676	14.730	PASS
N77-3700-3980	30	15	CP-256QAM	M	Outer_Full	13.669	14.790	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	17.899	19.000	PASS
N77-3700-3980	30	20	DFT-PI2BPSK	M	Outer_Full	17.948	19.040	PASS
N77-3700-3980	30	20	DFT-16QAM	M	Outer_Full	17.916	19.080	PASS
N77-3700-3980	30	20	DFT-64QAM	M	Outer_Full	17.914	19.040	PASS
N77-3700-3980	30	20	DFT-256QAM	M	Outer_Full	17.842	19.000	PASS
N77-3700-3980	30	20	CP-QPSK	M	Outer_Full	18.206	19.400	PASS
N77-3700-3980	30	20	CP-16QAM	M	Outer_Full	18.238	19.360	PASS
N77-3700-3980	30	20	CP-64QAM	M	Outer_Full	18.211	19.400	PASS
N77-3700-3980	30	20	CP-256QAM	M	Outer_Full	18.221	19.360	PASS
N77-3700-3980	30	40	DFT-QPSK	M	Outer_Full	35.958	38.560	PASS
N77-3700-3980	30	40	DFT-PI2BPSK	M	Outer_Full	36.043	38.480	PASS
N77-3700-3980	30	40	DFT-16QAM	M	Outer_Full	35.935	38.480	PASS



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N77-3700-3980	30	40	DFT-64QAM	M	Outer_Full	35.979	38.640	PASS
N77-3700-3980	30	40	DFT-256QAM	M	Outer_Full	35.865	38.400	PASS
N77-3700-3980	30	40	CP-QPSK	M	Outer_Full	38.003	40.560	PASS
N77-3700-3980	30	40	CP-16QAM	M	Outer_Full	37.953	40.560	PASS
N77-3700-3980	30	40	CP-64QAM	M	Outer_Full	37.984	40.560	PASS
N77-3700-3980	30	40	CP-256QAM	M	Outer_Full	37.972	40.720	PASS
N77-3700-3980	30	50	DFT-QPSK	M	Outer_Full	45.93	48.600	PASS
N77-3700-3980	30	50	DFT-PI2BPSK	M	Outer_Full	45.836	48.500	PASS
N77-3700-3980	30	50	DFT-16QAM	M	Outer_Full	45.791	48.600	PASS
N77-3700-3980	30	50	DFT-64QAM	M	Outer_Full	45.903	48.600	PASS
N77-3700-3980	30	50	DFT-256QAM	M	Outer_Full	45.76	48.500	PASS
N77-3700-3980	30	50	CP-QPSK	M	Outer_Full	47.62	50.300	PASS
N77-3700-3980	30	50	CP-16QAM	M	Outer_Full	47.533	50.500	PASS
N77-3700-3980	30	50	CP-64QAM	M	Outer_Full	47.695	50.400	PASS
N77-3700-3980	30	50	CP-256QAM	M	Outer_Full	47.584	50.400	PASS
N77-3700-3980	30	60	DFT-QPSK	M	Outer_Full	57.753	60.840	PASS
N77-3700-3980	30	60	DFT-PI2BPSK	M	Outer_Full	57.946	60.840	PASS
N77-3700-3980	30	60	DFT-16QAM	M	Outer_Full	57.821	60.840	PASS
N77-3700-3980	30	60	DFT-64QAM	M	Outer_Full	57.949	60.720	PASS
N77-3700-3980	30	60	DFT-256QAM	M	Outer_Full	57.799	60.720	PASS
N77-3700-3980	30	60	CP-QPSK	M	Outer_Full	57.973	60.840	PASS
N77-3700-3980	30	60	CP-16QAM	M	Outer_Full	57.833	60.720	PASS
N77-3700-3980	30	60	CP-64QAM	M	Outer_Full	58.064	60.840	PASS
N77-3700-3980	30	60	CP-256QAM	M	Outer_Full	57.905	60.720	PASS
N77-3700-3980	30	80	DFT-QPSK	M	Outer_Full	77.002	80.320	PASS
N77-3700-3980	30	80	DFT-PI2BPSK	M	Outer_Full	77.214	80.480	PASS
N77-3700-3980	30	80	DFT-16QAM	M	Outer_Full	77.021	80.480	PASS
N77-3700-3980	30	80	DFT-64QAM	M	Outer_Full	77.144	80.480	PASS
N77-3700-3980	30	80	DFT-256QAM	M	Outer_Full	77.015	80.320	PASS
N77-3700-3980	30	80	CP-QPSK	M	Outer_Full	77.465	80.800	PASS
N77-3700-3980	30	80	CP-16QAM	M	Outer_Full	77.492	80.800	PASS
N77-3700-3980	30	80	CP-64QAM	M	Outer_Full	77.53	80.640	PASS
N77-3700-3980	30	80	CP-256QAM	M	Outer_Full	77.416	80.800	PASS
N77-3700-3980	30	90	DFT-QPSK	M	Outer_Full	85.519	88.920	PASS
N77-3700-3980	30	90	DFT-PI2BPSK	M	Outer_Full	85.838	89.280	PASS
N77-3700-3980	30	90	DFT-16QAM	M	Outer_Full	85.527	88.920	PASS
N77-3700-3980	30	90	DFT-64QAM	M	Outer_Full	85.54	89.100	PASS



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N77-3700-3980	30	90	DFT-256QAM	M	Outer_Full	85.512	88.920	PASS
N77-3700-3980	30	90	CP-QPSK	M	Outer_Full	87.404	90.720	PASS
N77-3700-3980	30	90	CP-16QAM	M	Outer_Full	87.316	90.720	PASS
N77-3700-3980	30	90	CP-64QAM	M	Outer_Full	87.359	90.900	PASS
N77-3700-3980	30	90	CP-256QAM	M	Outer_Full	87.407	90.900	PASS
N77-3700-3980	30	100	DFT-QPSK	M	Outer_Full	96.33	99.800	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	96.453	100.000	PASS
N77-3700-3980	30	100	DFT-16QAM	M	Outer_Full	99.231	99.800	PASS
N77-3700-3980	30	100	DFT-64QAM	M	Outer_Full	96.289	100.000	PASS
N77-3700-3980	30	100	DFT-256QAM	M	Outer_Full	96.388	100.000	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	97.31	101.000	PASS
N77-3700-3980	30	100	CP-16QAM	M	Outer_Full	97.262	100.800	PASS
N77-3700-3980	30	100	CP-64QAM	M	Outer_Full	97.45	100.800	PASS
N77-3700-3980	30	100	CP-256QAM	M	Outer_Full	97.376	100.800	PASS

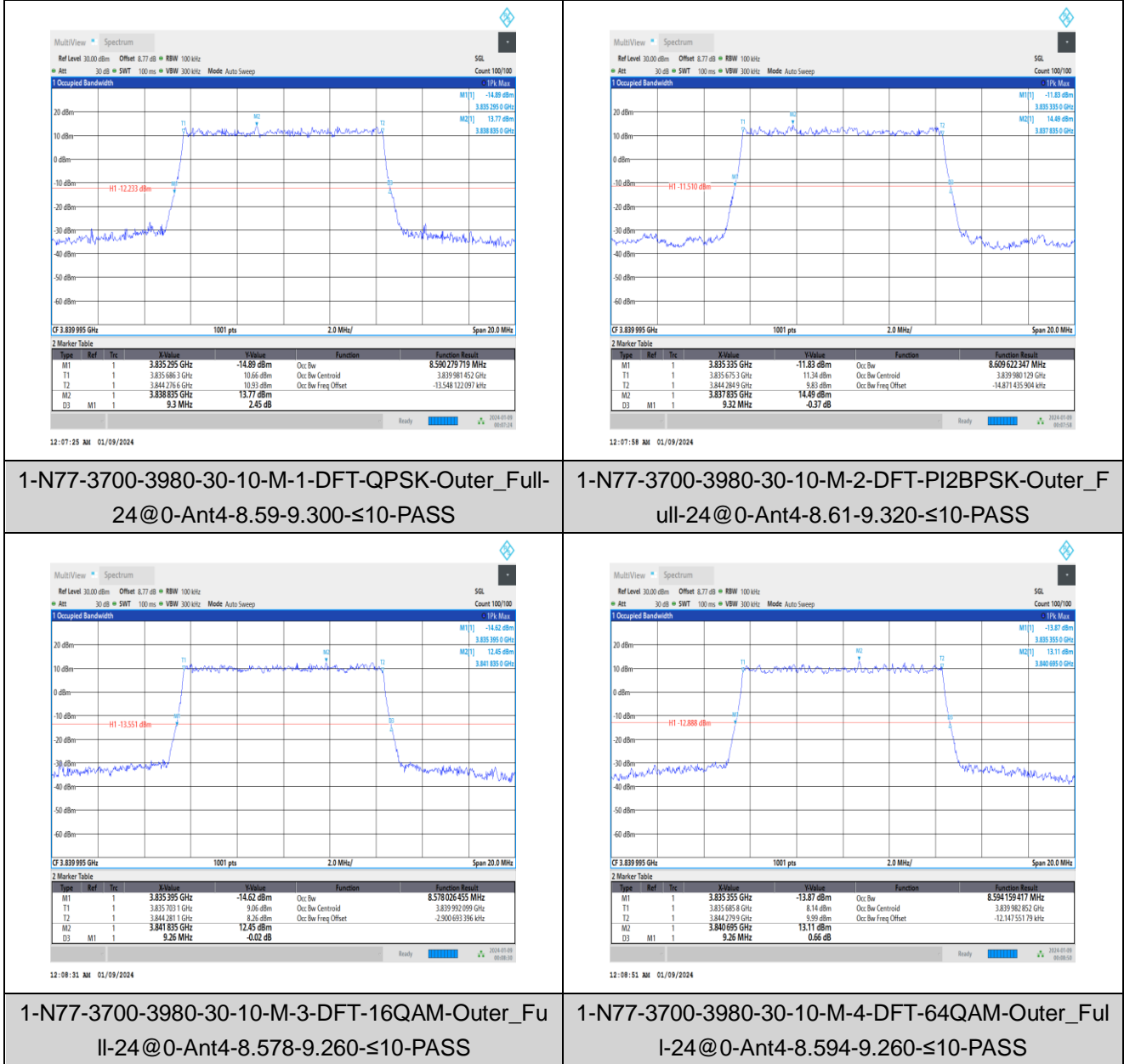


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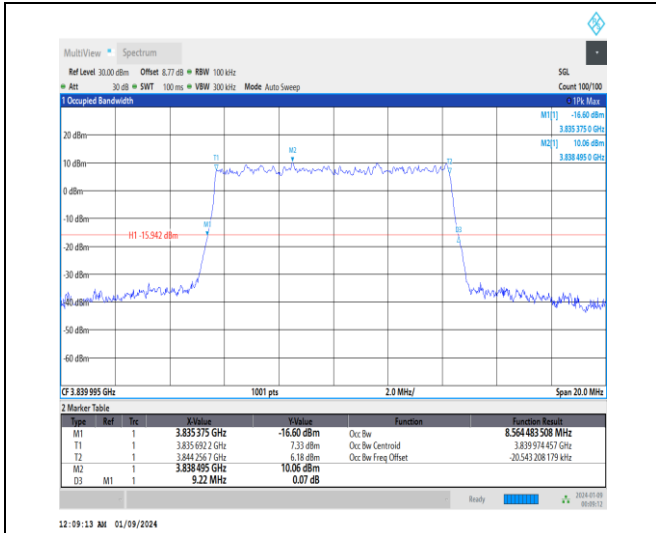
Test Graphs



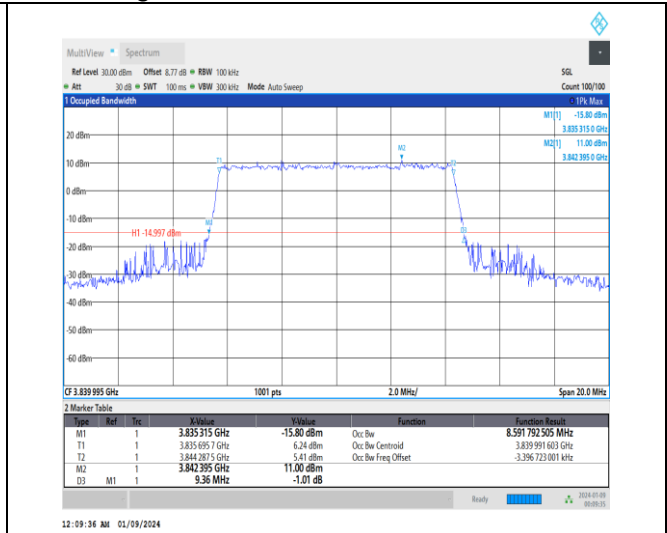
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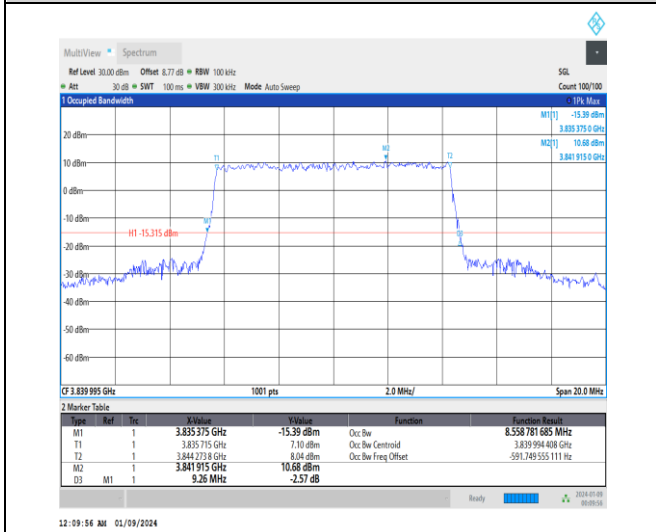
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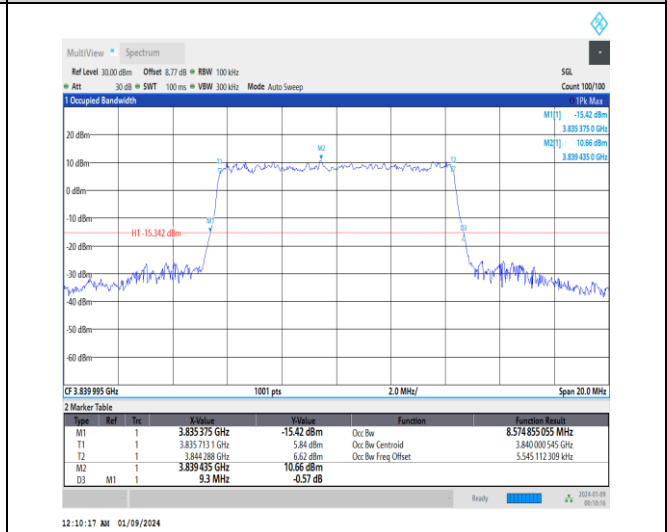
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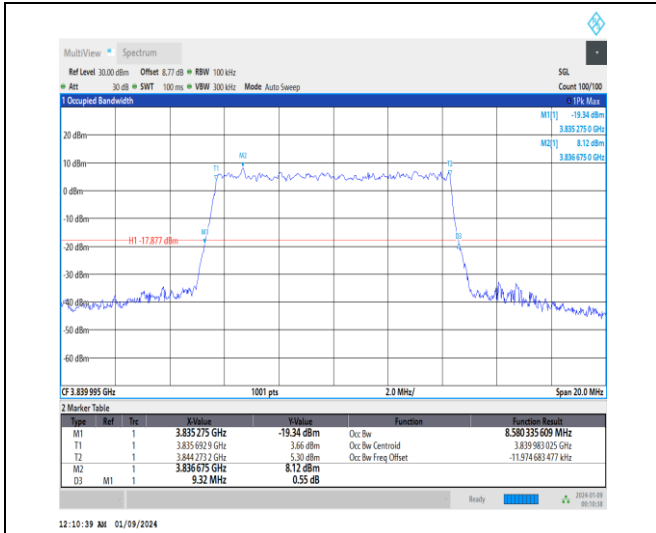
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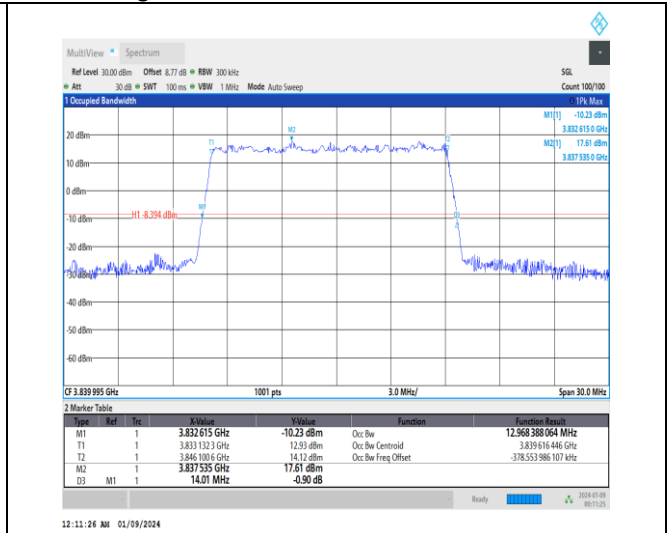
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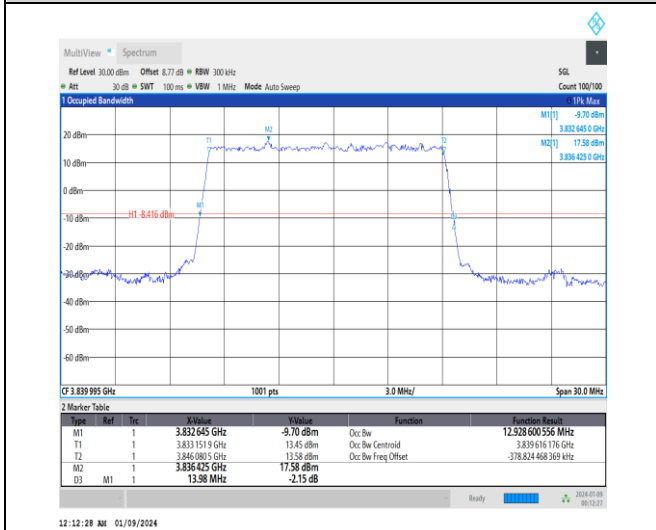
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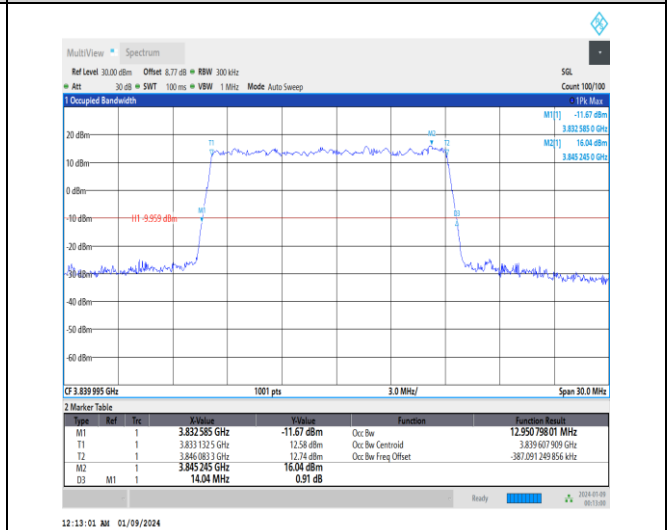
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1-N77-3700-3980-30-15-M-2-DFT-PI2BPSK-Outer_Full-36@0-Ant4-12.929-13.980-≤15-PASS



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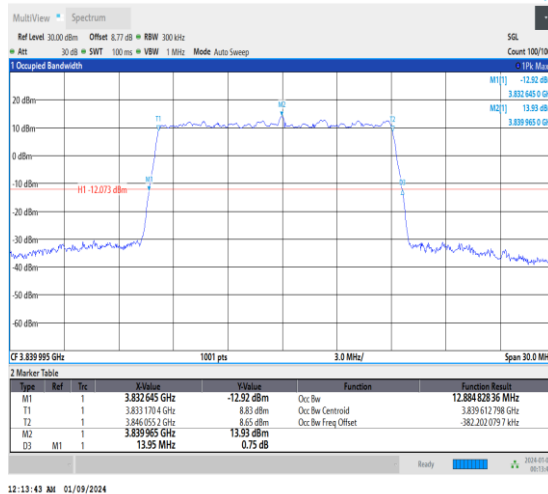
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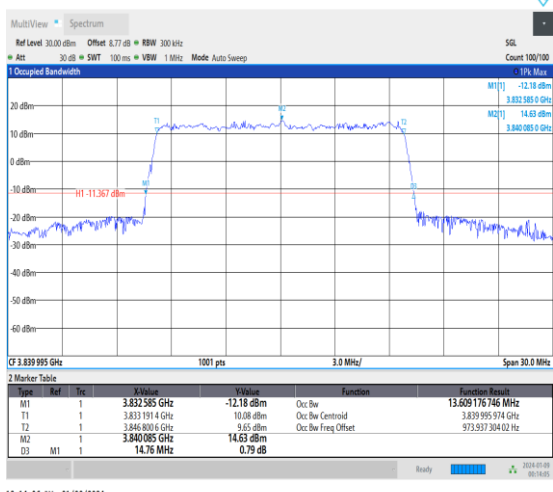
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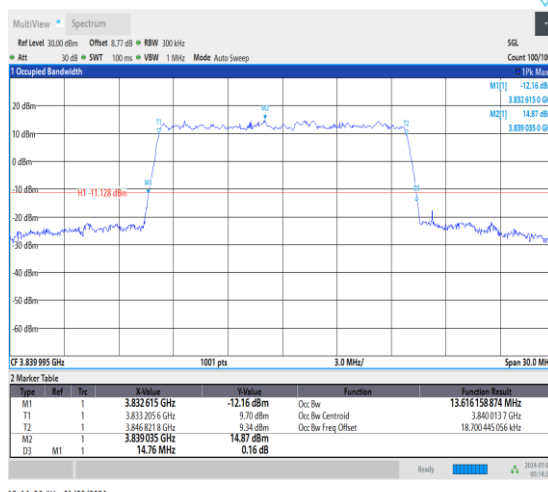
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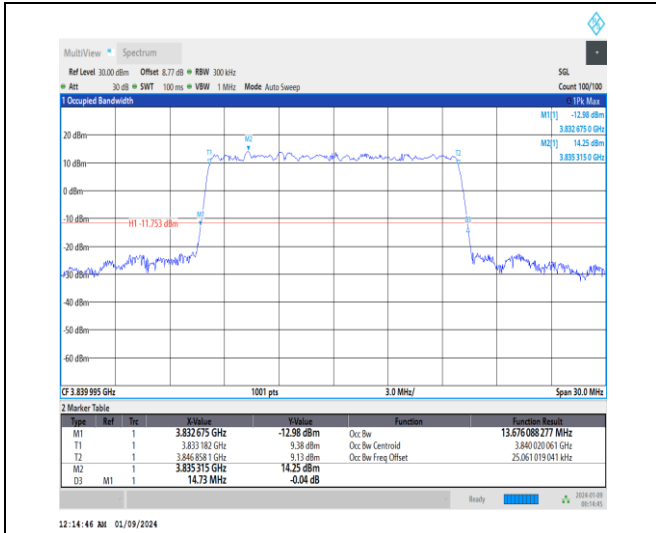
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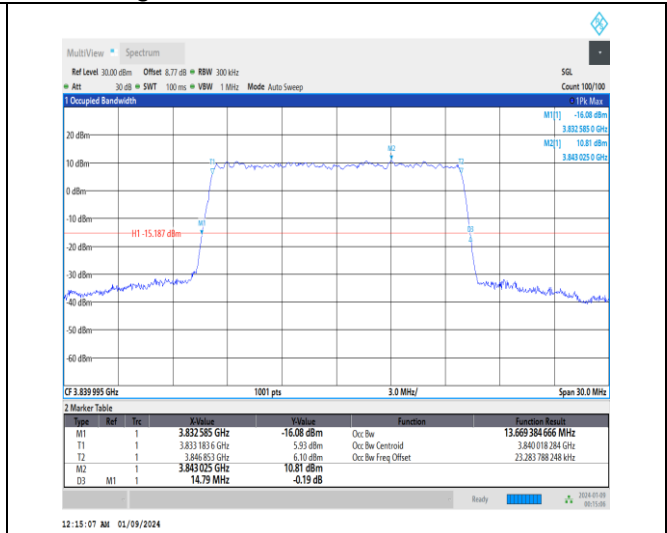
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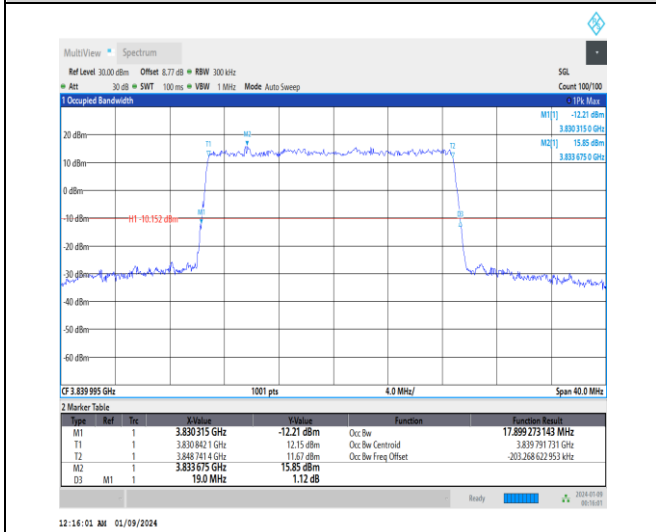
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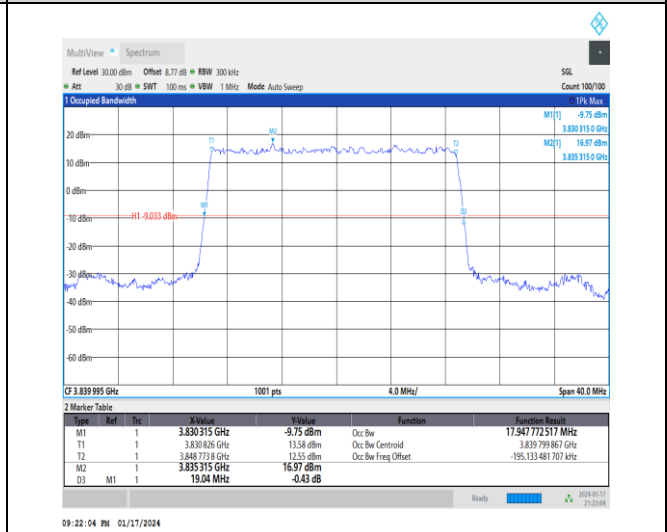
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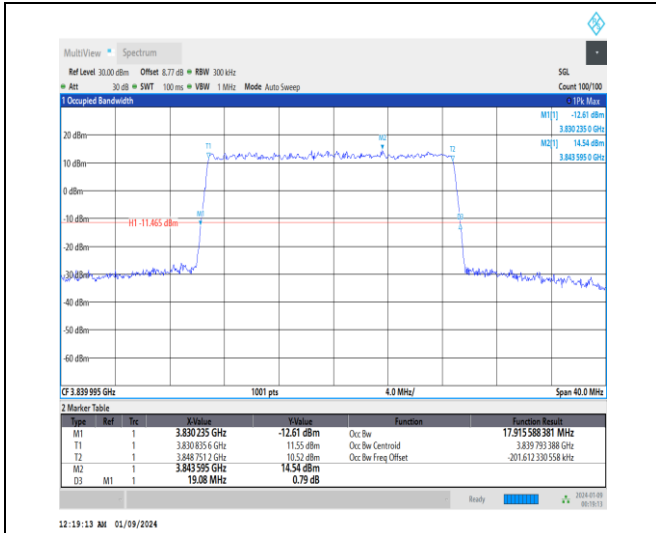
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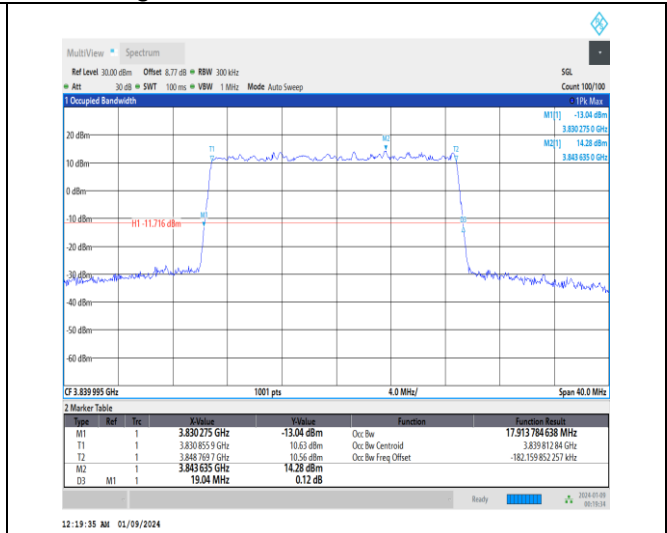
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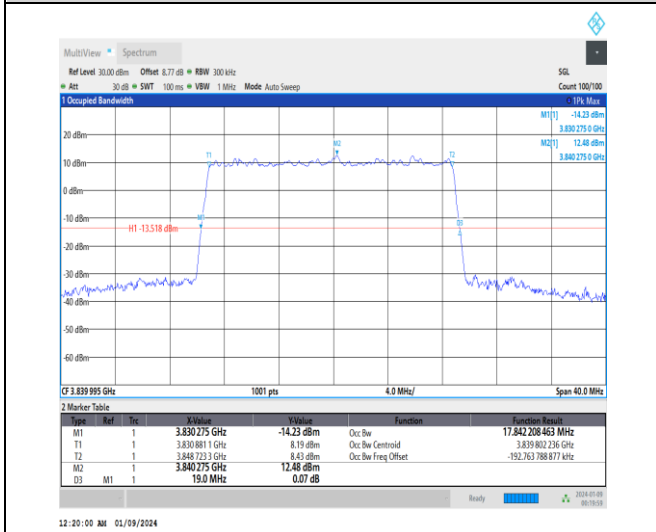
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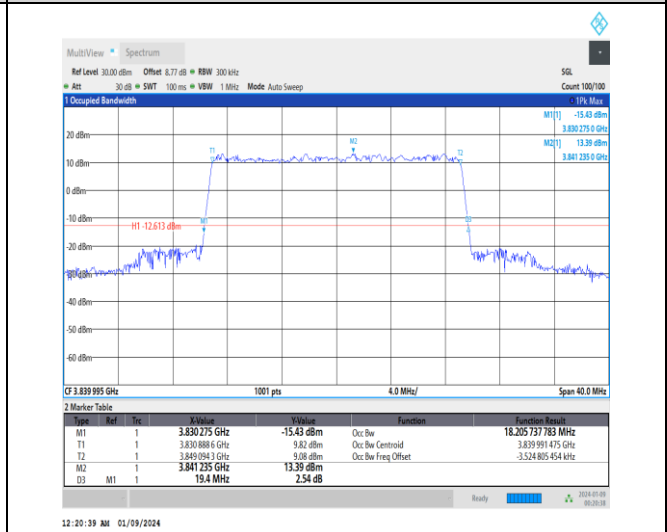
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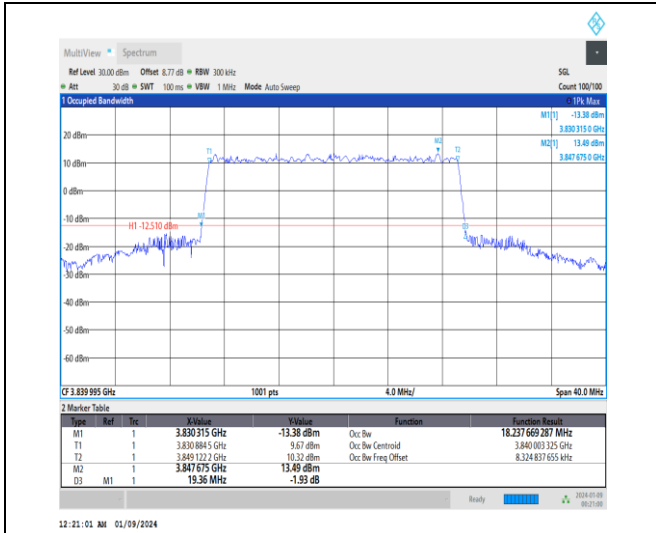
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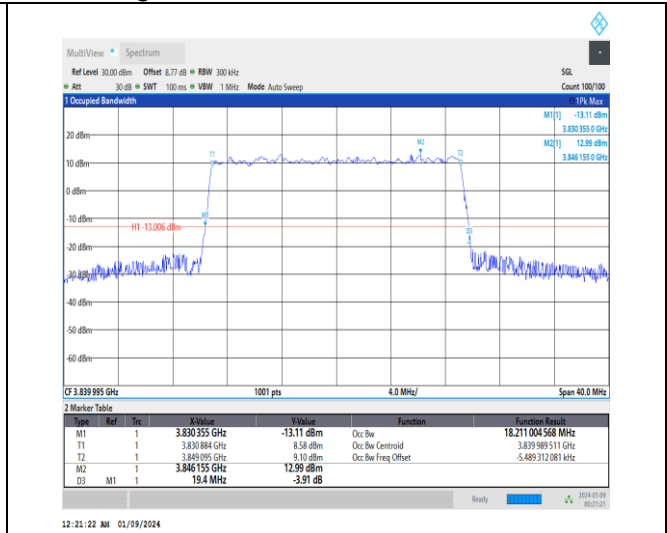
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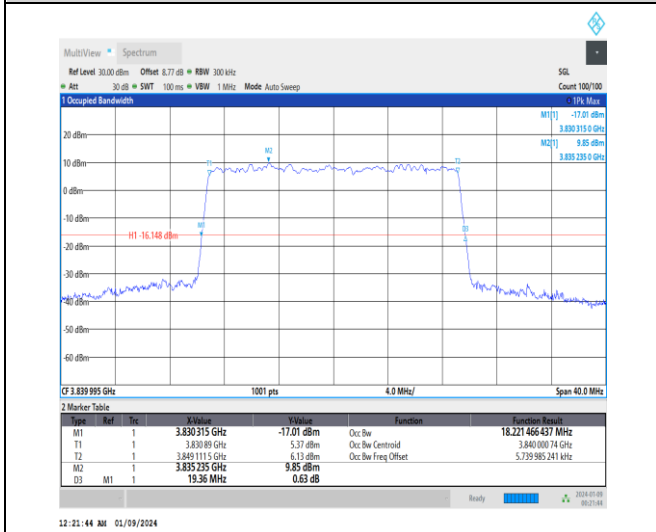
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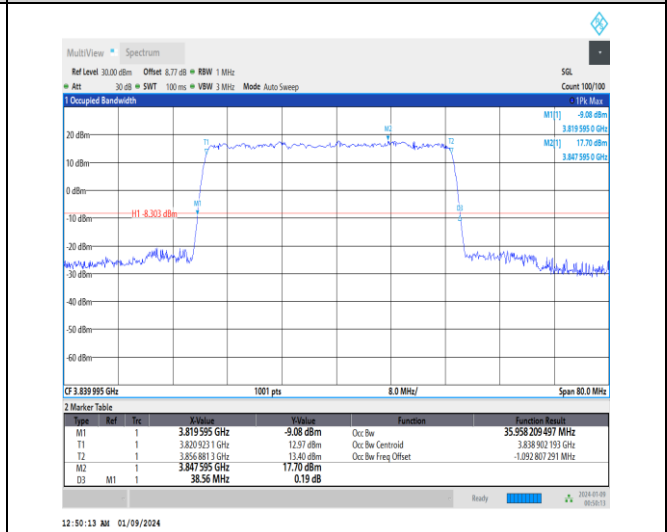
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1-N77-3700-3980-30-20-M-8-CP-64QAM-Outer_Full
-51@0-Ant4-18.211-19.400-<20-PASS



1-N77-3700-3980-30-20-M-9-CP-256QAM-Outer_Fu
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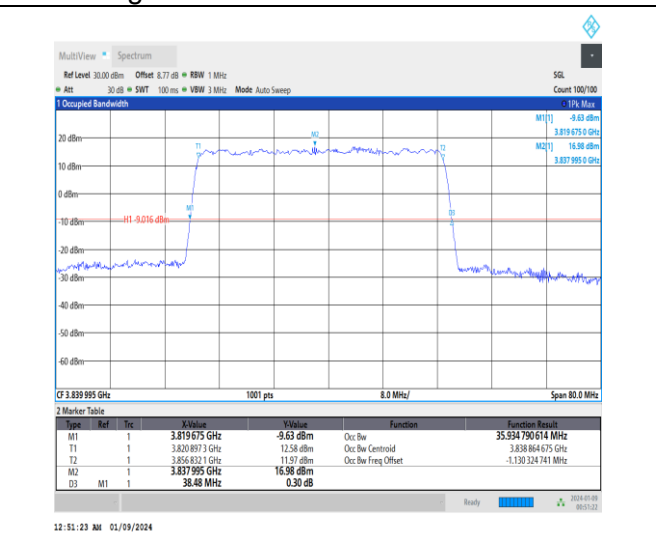
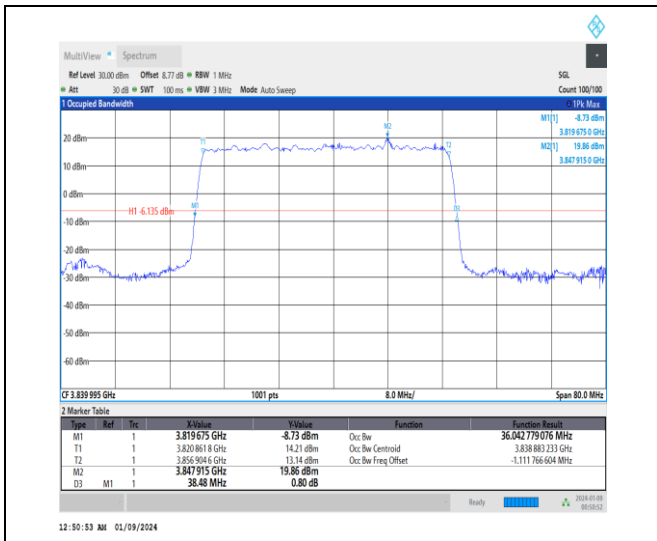
1-N77-3700-3980-30-40-M-1-DFT-QPSK-Outer_Full-
100@0-Ant4-35.958-38.560-<40-PASS



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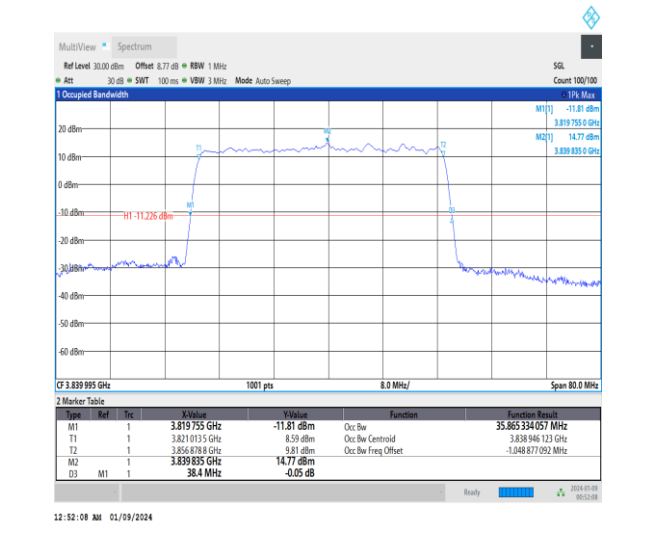
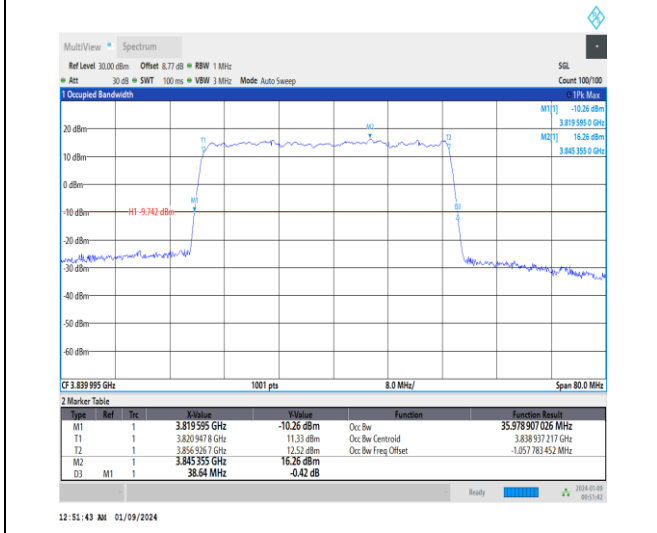
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1-N77-3700-3980-30-40-M-2-DFT-PI2BPSK-Outer_Full-100@0-Ant4-36.043-38.480-≤40-PASS

1-N77-3700-3980-30-40-M-3-DFT-16QAM-Outer_Full-100@0-Ant4-35.935-38.480-≤40-PASS



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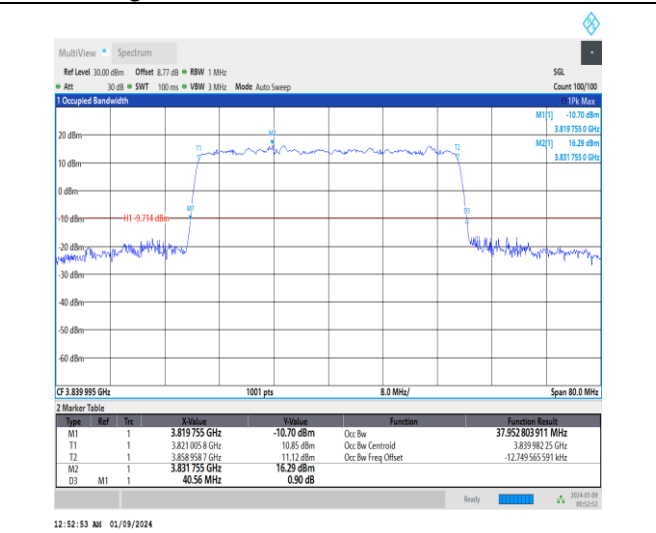
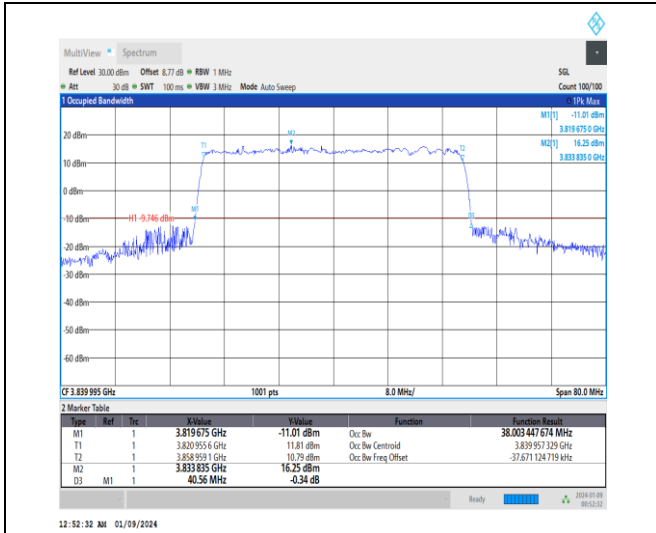
1-N77-3700-3980-30-40-M-5-DFT-256QAM-Outer_Full-100@0-Ant4-35.865-38.400-≤40-PASS



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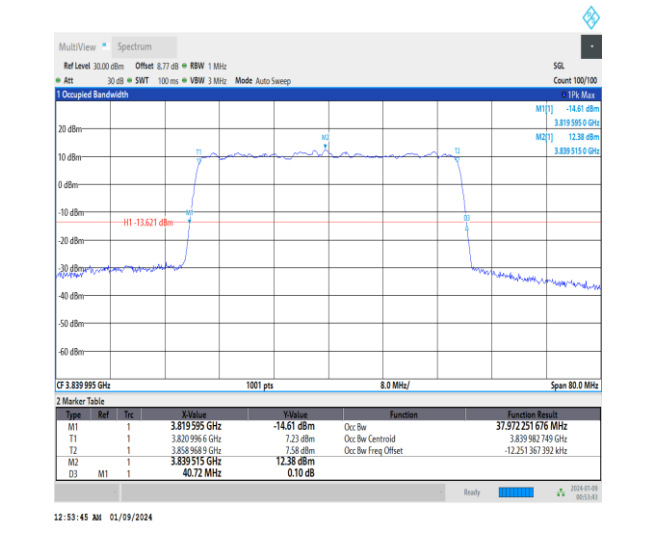
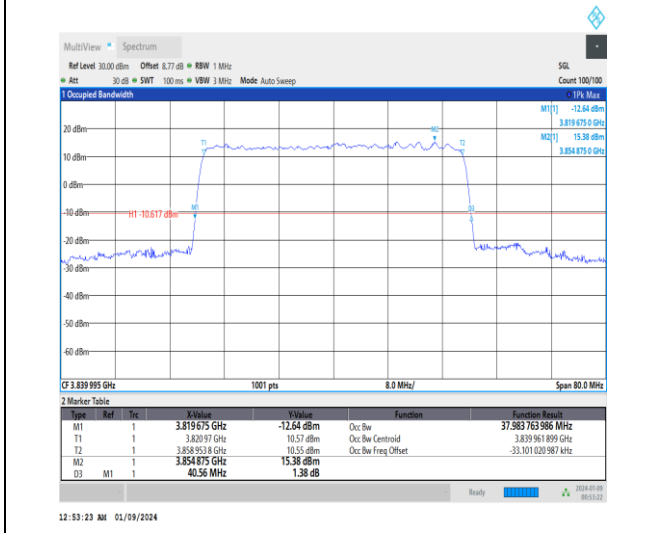
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1-N77-3700-3980-30-40-M-6-CP-QPSK-Outer_Full-106@0-Ant4-38.003-40.560-≤40-PASS

1-N77-3700-3980-30-40-M-7-CP-16QAM-Outer_Full-106@0-Ant4-37.953-40.560-≤40-PASS



1-N77-3700-3980-30-40-M-8-CP-64QAM-Outer_Full-106@0-Ant4-37.984-40.560-≤40-PASS

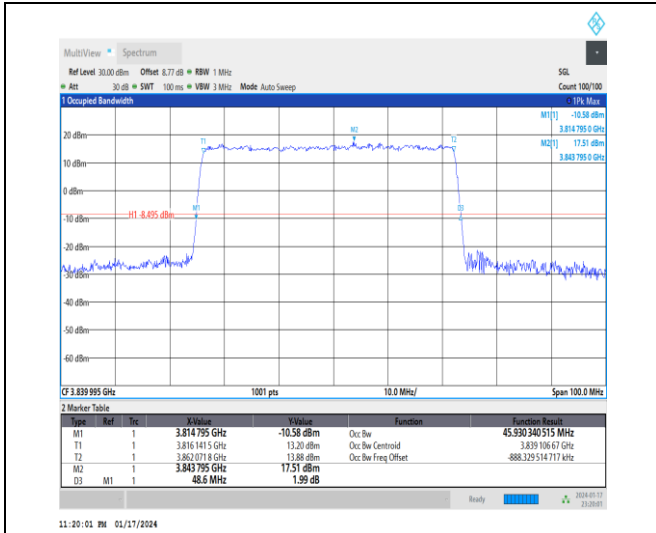
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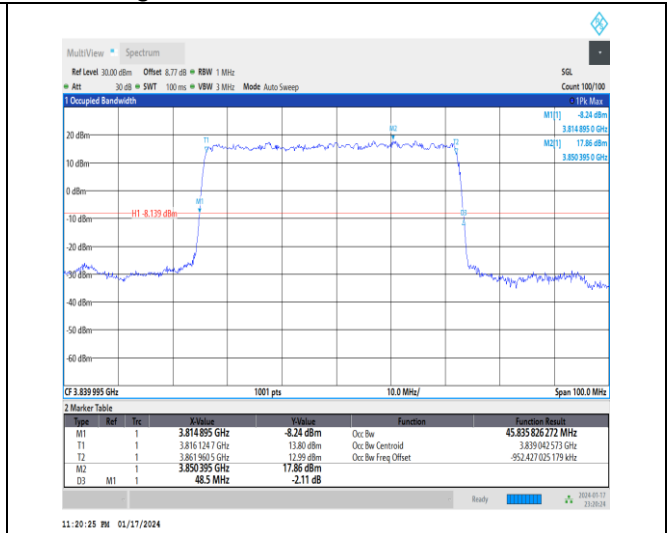
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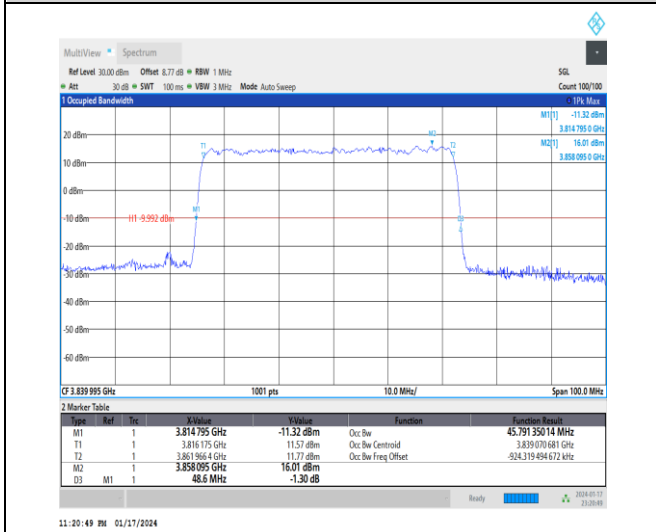
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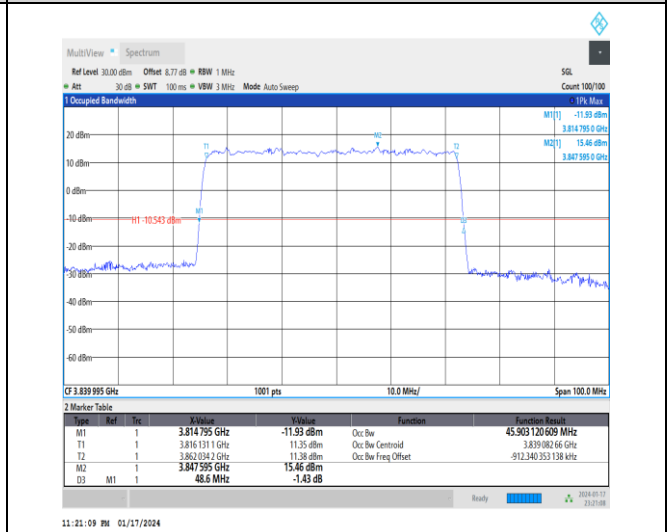
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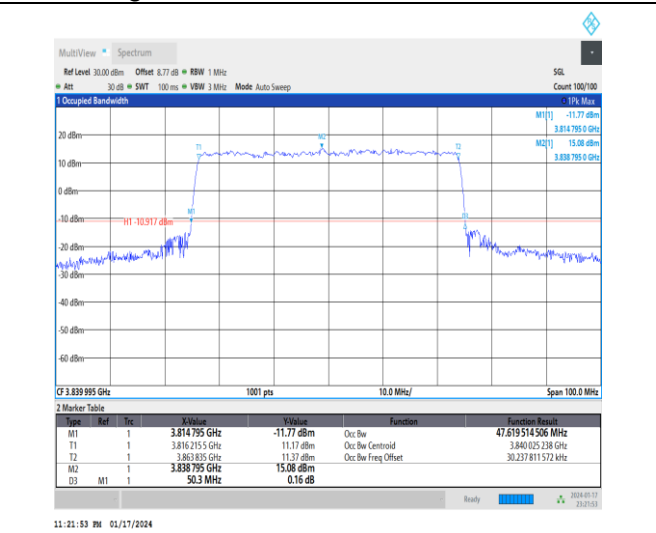
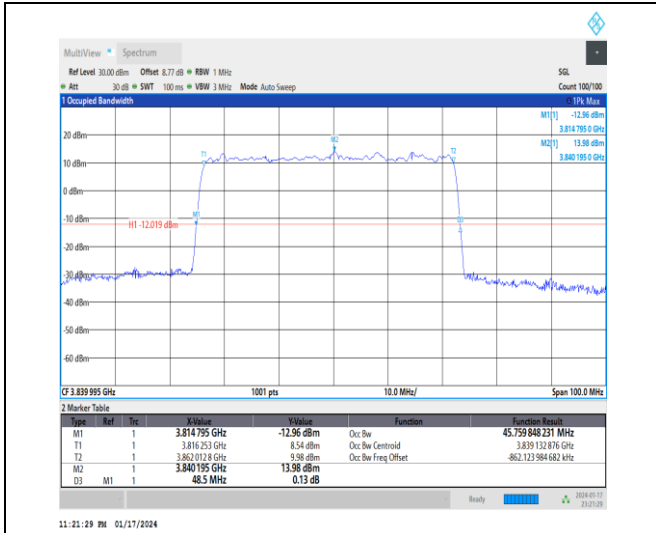
1-N77-3700-3980-30-50-M-4-DFT-64QAM-Outer_Full-128@0-Ant4-45.903-48.600-≤50-PASS



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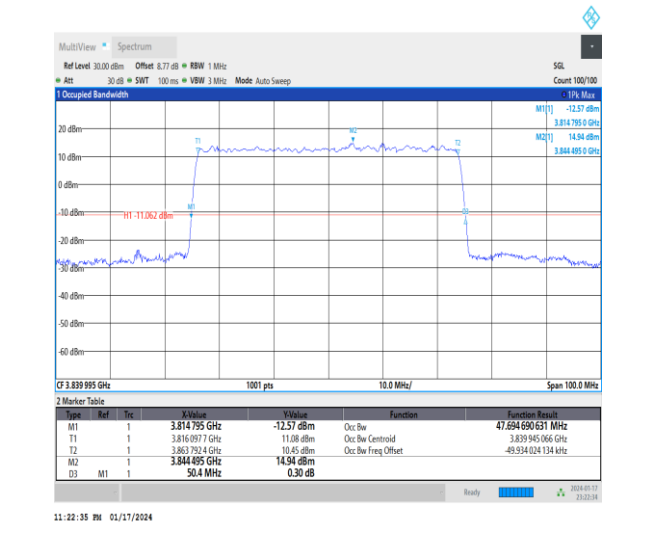
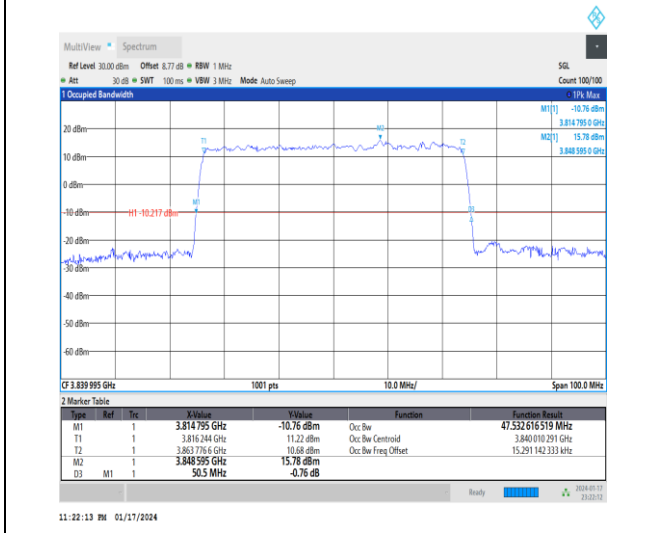
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1-N77-3700-3980-30-50-M-5-DFT-256QAM-Outer_Full-128@0-Ant4-45.76-48.500-≤50-PASS

1-N77-3700-3980-30-50-M-6-CP-QPSK-Outer_Full-133@0-Ant4-47.62-50.300-≤50-PASS



1-N77-3700-3980-30-50-M-7-CP-16QAM-Outer_Full-133@0-Ant4-47.533-50.500-≤50-PASS

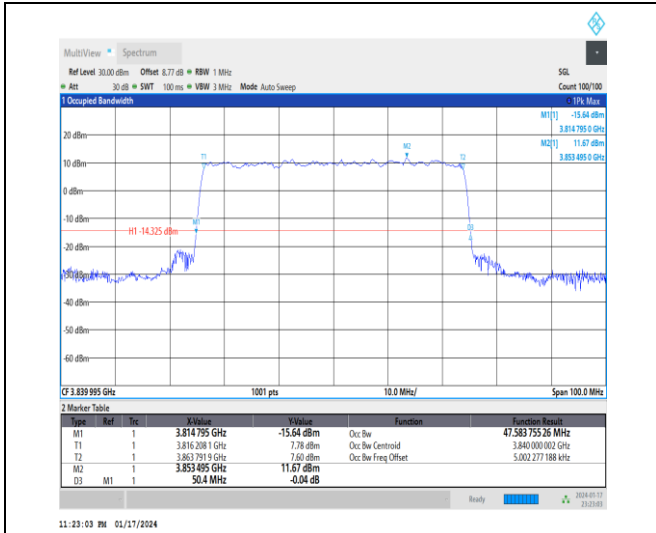
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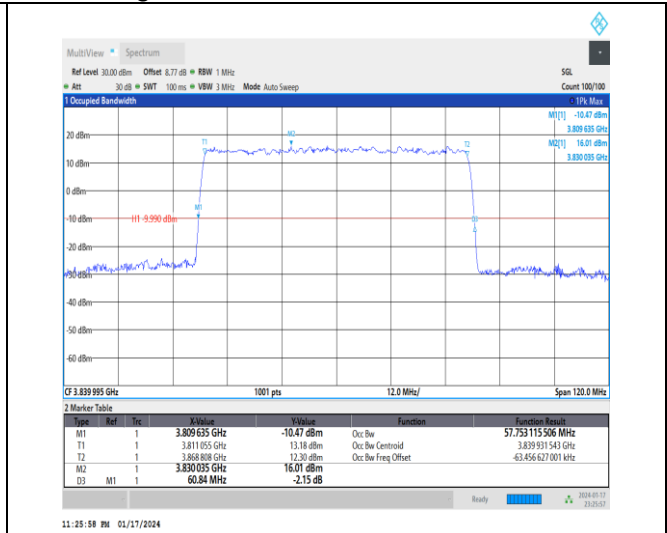
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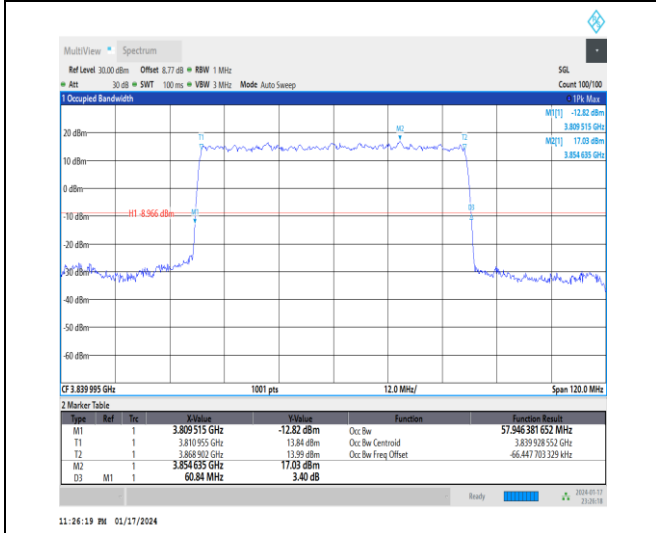
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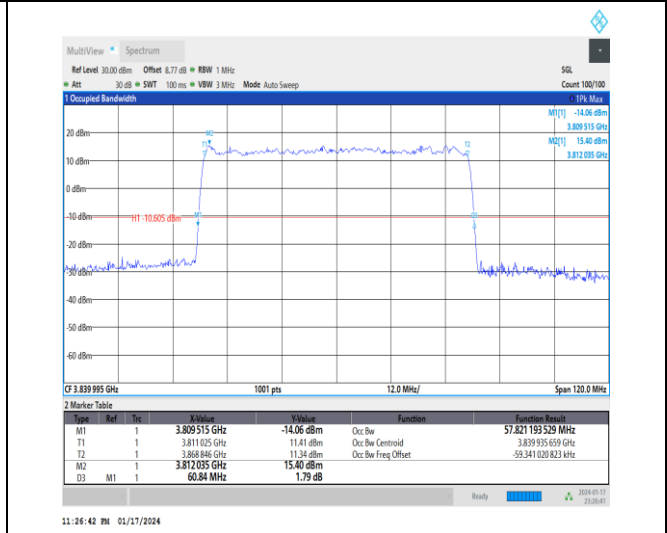
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1-N77-3700-3980-30-60-M-1-DFT-QPSK-Outer_Full-162@0-Ant4-57.753-60.840-≤60-PASS



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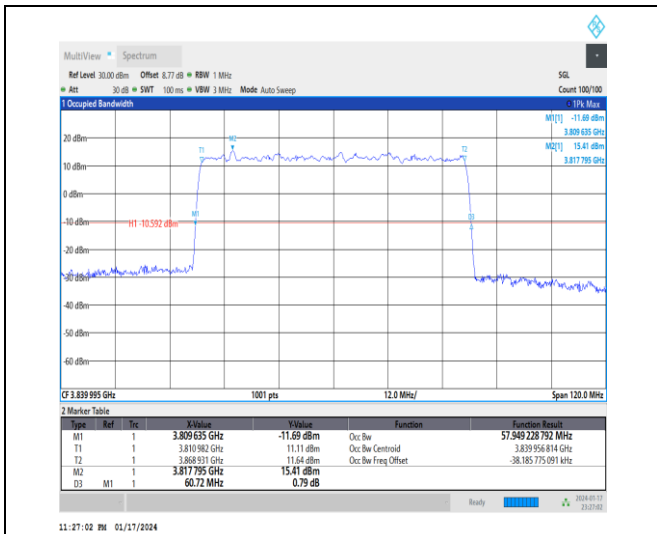
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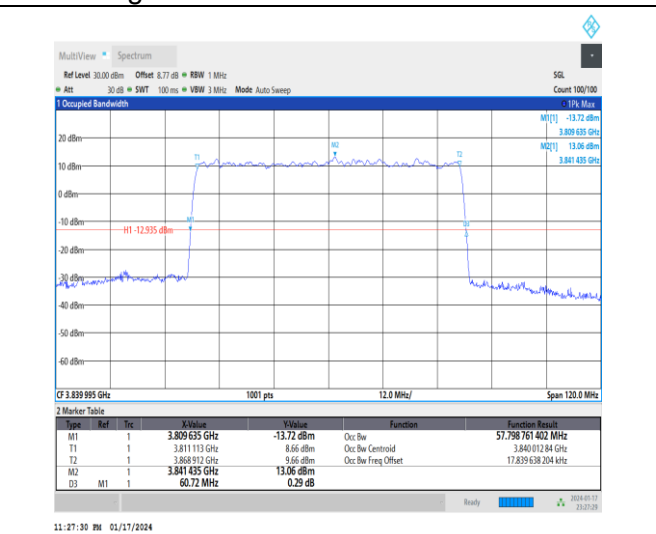
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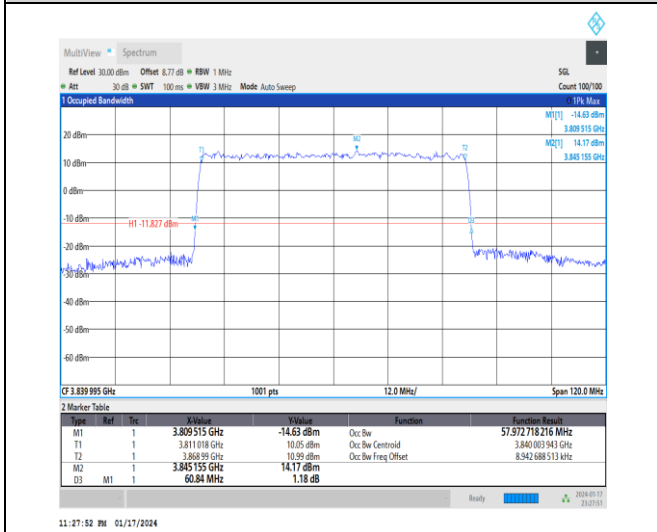
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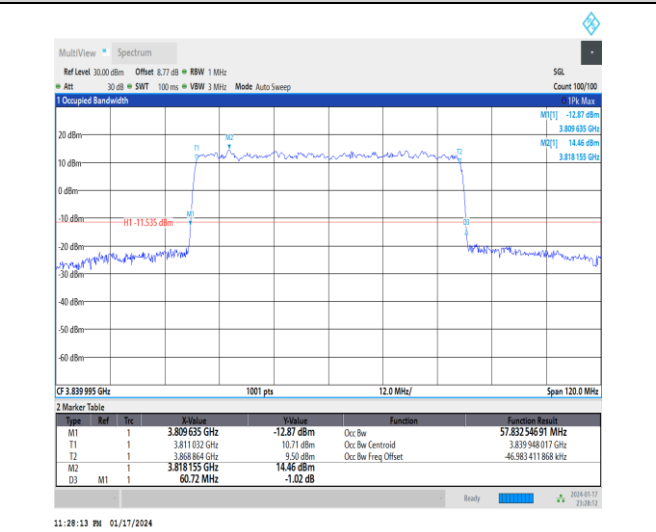
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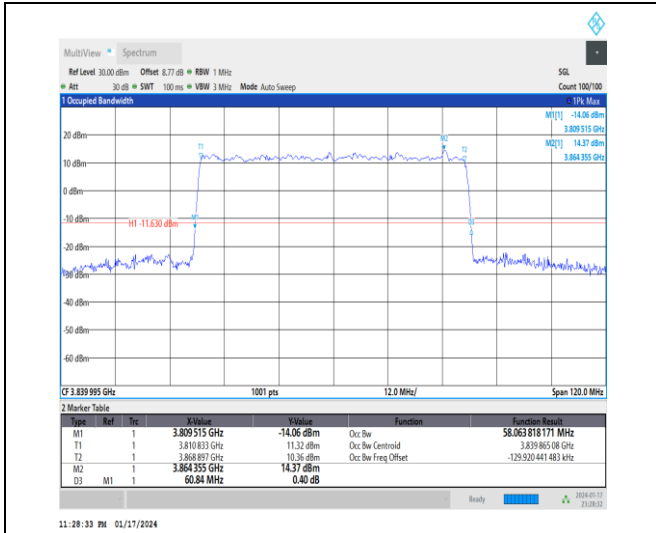
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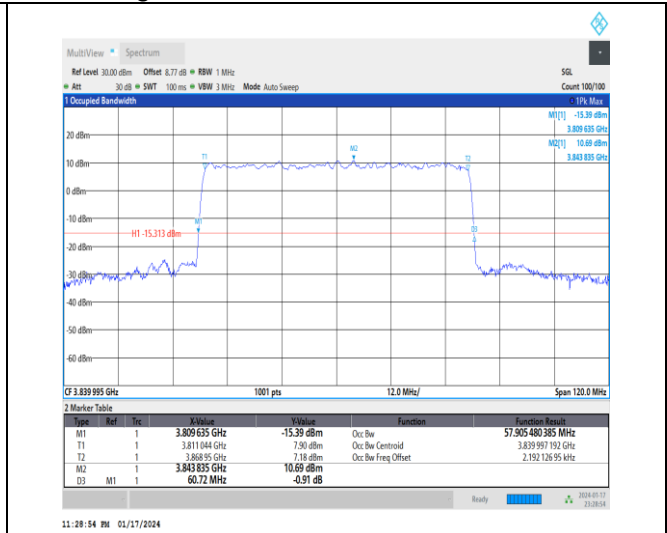
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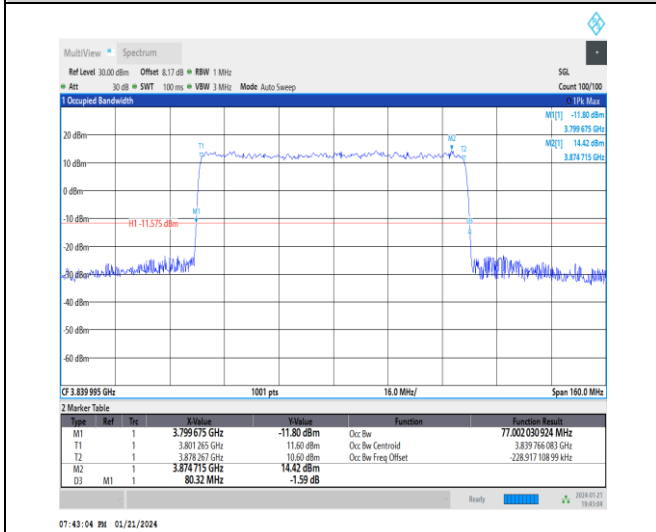
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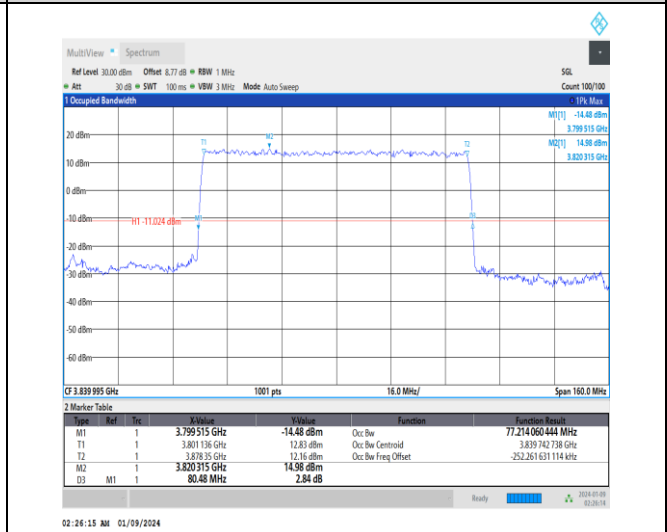
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1-N77-3700-3980-30-80-M-1-DFT-PI2BPSK-Outer_Full-216@0-Ant4-77.002-80.320-≤80-PASS



1-N77-3700-3980-30-80-M-2-DFT-PI2BPSK-Outer_Full-216@0-Ant4-77.214-80.480-≤80-PASS



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