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# Appendix B.24

## NR Band n77(3450-3550)



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

#### Test Result

Ant2

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N77-3450-3550	30	20	DFT-QPSK	L	Inner_1RB_Left	26.28	25.44	30.00	PASS
N77-3450-3550	30	20	DFT-16QAM	L	Inner_1RB_Left	25.51	24.67	30.00	PASS
N77-3450-3550	30	20	DFT-QPSK	M	Inner_1RB_Left	26.30	25.46	30.00	PASS
N77-3450-3550	30	20	DFT-16QAM	M	Inner_1RB_Left	25.48	24.64	30.00	PASS
N77-3450-3550	30	20	DFT-QPSK	H	Inner_1RB_Left	25.97	25.13	30.00	PASS
N77-3450-3550	30	20	DFT-16QAM	H	Inner_1RB_Left	25.13	24.29	30.00	PASS
N77-3450-3550	30	30	DFT-QPSK	L	Inner_1RB_Left	26.25	25.41	30.00	PASS
N77-3450-3550	30	30	DFT-16QAM	L	Inner_1RB_Left	25.42	24.58	30.00	PASS
N77-3450-3550	30	30	DFT-QPSK	M	Inner_1RB_Left	26.19	25.35	30.00	PASS
N77-3450-3550	30	30	DFT-16QAM	M	Inner_1RB_Left	25.43	24.59	30.00	PASS
N77-3450-3550	30	30	DFT-QPSK	H	Inner_1RB_Left	26.05	25.21	30.00	PASS
N77-3450-3550	30	30	DFT-16QAM	H	Inner_1RB_Left	25.30	24.46	30.00	PASS
N77-3450-3550	30	40	DFT-QPSK	L	Inner_1RB_Left	26.36	25.52	30.00	PASS
N77-3450-3550	30	40	DFT-16QAM	L	Inner_1RB_Left	25.41	24.57	30.00	PASS
N77-3450-3550	30	40	DFT-QPSK	M	Inner_1RB_Left	26.17	25.33	30.00	PASS
N77-3450-3550	30	40	DFT-16QAM	M	Inner_1RB_Left	25.42	24.58	30.00	PASS
N77-3450-3550	30	40	DFT-QPSK	H	Inner_1RB_Left	26.09	25.25	30.00	PASS
N77-3450-3550	30	40	DFT-16QAM	H	Inner_1RB_Left	25.23	24.39	30.00	PASS
N77-3450-3550	30	50	DFT-QPSK	L	Inner_1RB_Left	26.10	25.26	30.00	PASS
N77-3450-3550	30	50	DFT-16QAM	L	Inner_1RB_Left	25.36	24.52	30.00	PASS
N77-3450-3550	30	50	DFT-QPSK	M	Inner_1RB_Left	26.06	25.22	30.00	PASS
N77-3450-3550	30	50	DFT-16QAM	M	Inner_1RB_Left	25.25	24.41	30.00	PASS
N77-3450-3550	30	50	DFT-QPSK	H	Inner_1RB_Left	25.97	25.13	30.00	PASS
N77-3450-3550	30	50	DFT-16QAM	H	Inner_1RB_Left	25.19	24.35	30.00	PASS
N77-3450-3550	30	60	DFT-QPSK	L	Inner_1RB_Left	26.26	25.42	30.00	PASS
N77-3450-3550	30	60	DFT-16QAM	L	Inner_1RB_Left	25.48	24.64	30.00	PASS
N77-3450-3550	30	60	DFT-QPSK	M	Inner_1RB_Left	26.20	25.36	30.00	PASS
N77-3450-3550	30	60	DFT-16QAM	M	Inner_1RB_Left	25.48	24.64	30.00	PASS
N77-3450-3550	30	60	DFT-QPSK	H	Inner_1RB_Left	26.11	25.27	30.00	PASS
N77-3450-3550	30	60	DFT-16QAM	H	Inner_1RB_Left	25.40	24.56	30.00	PASS



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Table with 10 columns: Test ID, Sample No., Lot No., Modulation, Coding Rate, Channel, SNR, BER, Error Rate, Result. Contains 40 rows of test data for various modulation schemes like DFT-QPSK, DFT-16QAM, DFT-64QAM, and DFT-PI2BPSK.



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N77-3450-3550	30	100	DFT-64QAM	M	Inner_1RB_Right	23.27	22.43	30.00	PASS
N77-3450-3550	30	100	DFT-64QAM	M	Outer_Full	23.60	22.76	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	M	Inner_1RB_Left	21.73	20.89	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	M	Inner_1RB_Right	21.17	20.33	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	M	Outer_Full	21.68	20.84	30.00	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	H	Inner_1RB_Left	26.40	25.56	30.00	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	H	Inner_1RB_Right	25.87	25.03	30.00	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	H	Outer_Full	25.74	24.90	30.00	PASS
N77-3450-3550	30	100	DFT-QPSK	H	Inner_1RB_Left	26.37	25.53	30.00	PASS
N77-3450-3550	30	100	DFT-QPSK	H	Inner_1RB_Right	25.94	25.10	30.00	PASS
N77-3450-3550	30	100	DFT-QPSK	H	Outer_Full	25.24	24.40	30.00	PASS
N77-3450-3550	30	100	DFT-16QAM	H	Inner_1RB_Left	25.55	24.71	30.00	PASS
N77-3450-3550	30	100	DFT-16QAM	H	Inner_1RB_Right	25.09	24.25	30.00	PASS
N77-3450-3550	30	100	DFT-16QAM	H	Outer_Full	24.12	23.28	30.00	PASS
N77-3450-3550	30	100	DFT-64QAM	H	Inner_1RB_Left	23.65	22.81	30.00	PASS
N77-3450-3550	30	100	DFT-64QAM	H	Inner_1RB_Right	23.26	22.42	30.00	PASS
N77-3450-3550	30	100	DFT-64QAM	H	Outer_Full	23.72	22.88	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	H	Inner_1RB_Left	21.77	20.93	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	H	Inner_1RB_Right	21.16	20.32	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	H	Outer_Full	21.68	20.84	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
N77-3450-3550	30	100	DFT-256QAM	M	Outer_Full	6.70	≤13	PASS
N77-3450-3550	30	100	CP-256QAM	M	Outer_Full	6.66	≤13	PASS



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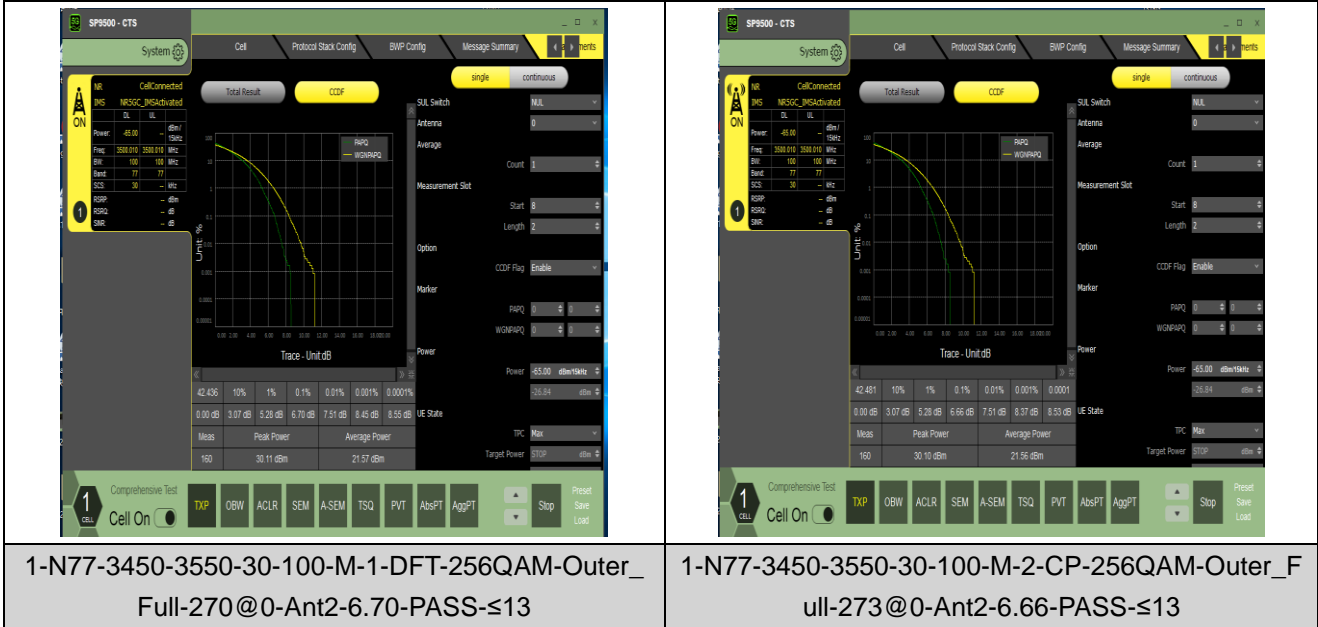
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Test Graphs



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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
N77-3450-3550	30	20	DFT-QPSK	M	Outer_Full	17.76	18.880	PASS
N77-3450-3550	30	20	DFT-PI2BPSK	M	Outer_Full	17.783	19.080	PASS
N77-3450-3550	30	20	DFT-16QAM	M	Outer_Full	17.772	19.000	PASS
N77-3450-3550	30	20	DFT-64QAM	M	Outer_Full	17.873	18.720	PASS
N77-3450-3550	30	20	DFT-256QAM	M	Outer_Full	17.76	18.800	PASS
N77-3450-3550	30	20	CP-QPSK	M	Outer_Full	18.22	19.280	PASS
N77-3450-3550	30	20	CP-16QAM	M	Outer_Full	18.199	18.920	PASS
N77-3450-3550	30	20	CP-64QAM	M	Outer_Full	18.202	19.560	PASS
N77-3450-3550	30	20	CP-256QAM	M	Outer_Full	18.191	19.200	PASS
N77-3450-3550	30	30	DFT-QPSK	M	Outer_Full	26.855	28.140	PASS
N77-3450-3550	30	30	DFT-PI2BPSK	M	Outer_Full	26.819	28.140	PASS
N77-3450-3550	30	30	DFT-16QAM	M	Outer_Full	26.793	28.140	PASS
N77-3450-3550	30	30	DFT-64QAM	M	Outer_Full	26.708	28.200	PASS
N77-3450-3550	30	30	DFT-256QAM	M	Outer_Full	26.739	27.840	PASS
N77-3450-3550	30	30	CP-QPSK	M	Outer_Full	27.837	29.040	PASS
N77-3450-3550	30	30	CP-16QAM	M	Outer_Full	27.785	29.040	PASS
N77-3450-3550	30	30	CP-64QAM	M	Outer_Full	27.837	29.280	PASS
N77-3450-3550	30	30	CP-256QAM	M	Outer_Full	27.898	29.100	PASS
N77-3450-3550	30	40	DFT-QPSK	M	Outer_Full	35.753	37.680	PASS
N77-3450-3550	30	40	DFT-PI2BPSK	M	Outer_Full	35.735	37.120	PASS
N77-3450-3550	30	40	DFT-16QAM	M	Outer_Full	35.68	37.280	PASS
N77-3450-3550	30	40	DFT-64QAM	M	Outer_Full	35.848	37.520	PASS
N77-3450-3550	30	40	DFT-256QAM	M	Outer_Full	35.635	37.520	PASS
N77-3450-3550	30	40	CP-QPSK	M	Outer_Full	37.761	39.520	PASS
N77-3450-3550	30	40	CP-16QAM	M	Outer_Full	37.74	39.440	PASS
N77-3450-3550	30	40	CP-64QAM	M	Outer_Full	37.729	39.440	PASS
N77-3450-3550	30	40	CP-256QAM	M	Outer_Full	37.739	39.680	PASS
N77-3450-3550	30	50	DFT-QPSK	M	Outer_Full	45.735	47.500	PASS
N77-3450-3550	30	50	DFT-PI2BPSK	M	Outer_Full	45.771	47.400	PASS



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N77-3450-3550	30	50	DFT-16QAM	M	Outer_Full	45.757	47.400	PASS
N77-3450-3550	30	50	DFT-64QAM	M	Outer_Full	45.612	47.300	PASS
N77-3450-3550	30	50	DFT-256QAM	M	Outer_Full	45.696	47.300	PASS
N77-3450-3550	30	50	CP-QPSK	M	Outer_Full	47.335	49.500	PASS
N77-3450-3550	30	50	CP-16QAM	M	Outer_Full	47.535	49.200	PASS
N77-3450-3550	30	50	CP-64QAM	M	Outer_Full	47.492	49.400	PASS
N77-3450-3550	30	50	CP-256QAM	M	Outer_Full	47.38	49.100	PASS
N77-3450-3550	30	60	DFT-QPSK	M	Outer_Full	57.718	59.880	PASS
N77-3450-3550	30	60	DFT-PI2BPSK	M	Outer_Full	57.789	59.640	PASS
N77-3450-3550	30	60	DFT-16QAM	M	Outer_Full	57.971	59.880	PASS
N77-3450-3550	30	60	DFT-64QAM	M	Outer_Full	57.719	59.880	PASS
N77-3450-3550	30	60	DFT-256QAM	M	Outer_Full	57.69	59.640	PASS
N77-3450-3550	30	60	CP-QPSK	M	Outer_Full	57.731	59.640	PASS
N77-3450-3550	30	60	CP-16QAM	M	Outer_Full	57.544	59.880	PASS
N77-3450-3550	30	60	CP-64QAM	M	Outer_Full	57.777	59.760	PASS
N77-3450-3550	30	60	CP-256QAM	M	Outer_Full	57.789	60.240	PASS
N77-3450-3550	30	80	DFT-QPSK	M	Outer_Full	76.927	80.320	PASS
N77-3450-3550	30	80	DFT-PI2BPSK	M	Outer_Full	76.801	80.160	PASS
N77-3450-3550	30	80	DFT-16QAM	M	Outer_Full	77.006	80.320	PASS
N77-3450-3550	30	80	DFT-64QAM	M	Outer_Full	76.873	80.160	PASS
N77-3450-3550	30	80	DFT-256QAM	M	Outer_Full	77.257	80.320	PASS
N77-3450-3550	30	80	CP-QPSK	M	Outer_Full	77.408	80.640	PASS
N77-3450-3550	30	80	CP-16QAM	M	Outer_Full	77.49	80.640	PASS
N77-3450-3550	30	80	CP-64QAM	M	Outer_Full	77.347	80.640	PASS
N77-3450-3550	30	80	CP-256QAM	M	Outer_Full	77.21	80.640	PASS
N77-3450-3550	30	90	DFT-QPSK	M	Outer_Full	85.6	88.920	PASS
N77-3450-3550	30	90	DFT-PI2BPSK	M	Outer_Full	85.518	88.920	PASS
N77-3450-3550	30	90	DFT-16QAM	M	Outer_Full	85.619	88.920	PASS
N77-3450-3550	30	90	DFT-64QAM	M	Outer_Full	85.82	88.920	PASS
N77-3450-3550	30	90	DFT-256QAM	M	Outer_Full	85.451	88.920	PASS
N77-3450-3550	30	90	CP-QPSK	M	Outer_Full	87.198	90.720	PASS
N77-3450-3550	30	90	CP-16QAM	M	Outer_Full	87.421	90.720	PASS
N77-3450-3550	30	90	CP-64QAM	M	Outer_Full	87.453	90.720	PASS
N77-3450-3550	30	90	CP-256QAM	M	Outer_Full	87.489	90.900	PASS
N77-3450-3550	30	100	DFT-QPSK	M	Outer_Full	96.106	99.800	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	96.353	99.800	PASS
N77-3450-3550	30	100	DFT-16QAM	M	Outer_Full	96.398	99.800	PASS



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N77-3450-3550	30	100	DFT-64QAM	M	Outer_Full	96.382	99.800	PASS
N77-3450-3550	30	100	DFT-256QAM	M	Outer_Full	96.157	99.600	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	97.362	100.600	PASS
N77-3450-3550	30	100	CP-16QAM	M	Outer_Full	97.148	100.800	PASS
N77-3450-3550	30	100	CP-64QAM	M	Outer_Full	97.37	101.000	PASS
N77-3450-3550	30	100	CP-256QAM	M	Outer_Full	97.408	100.800	PASS

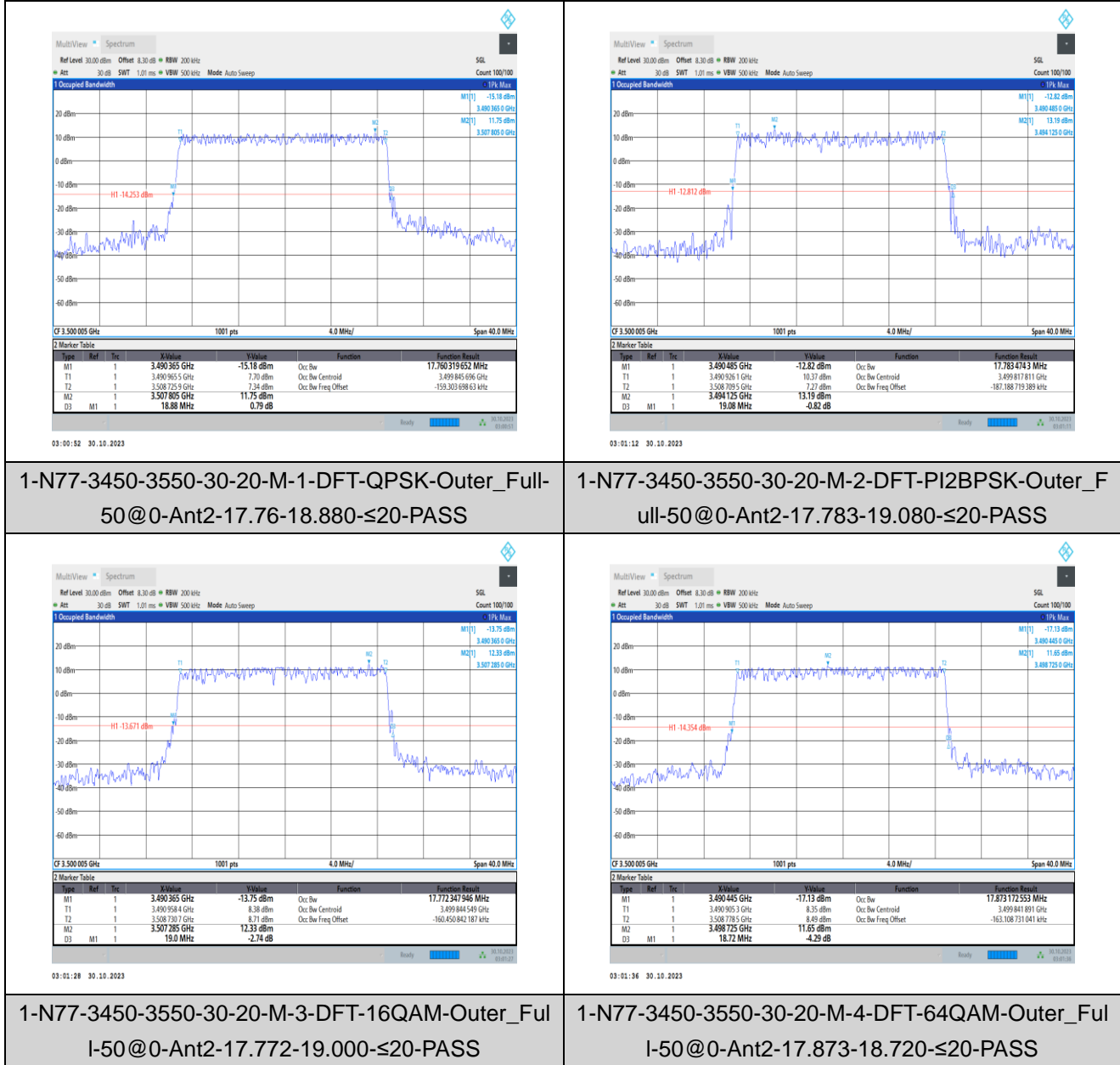


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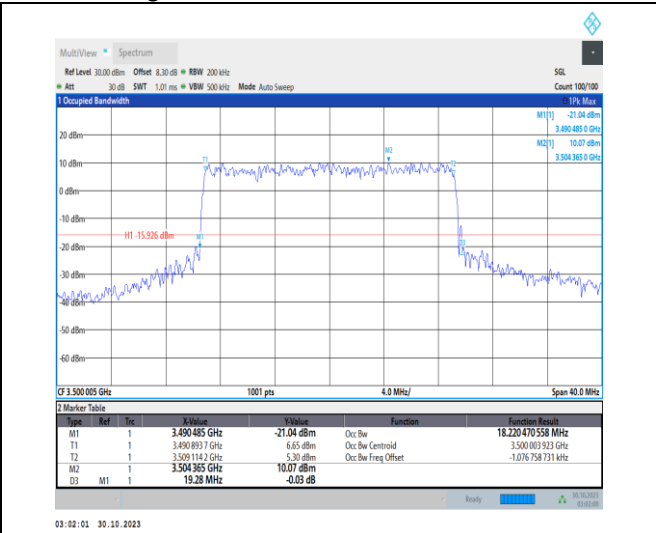
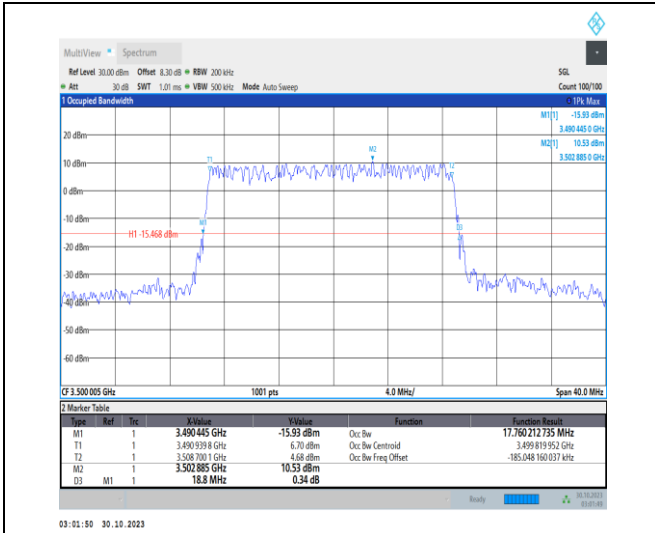
Test Graphs



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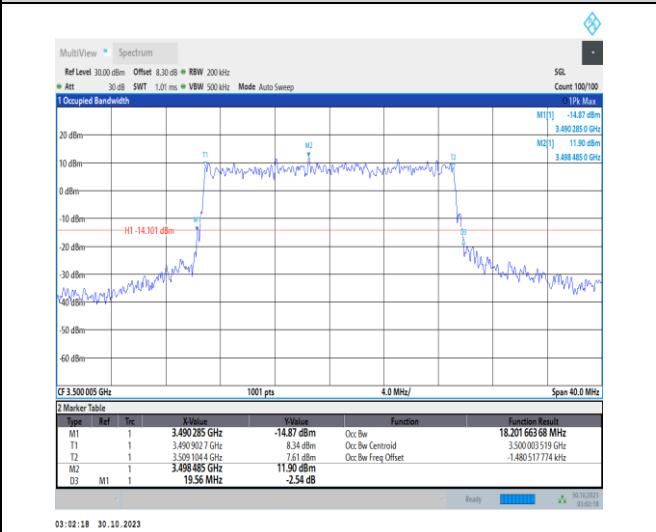
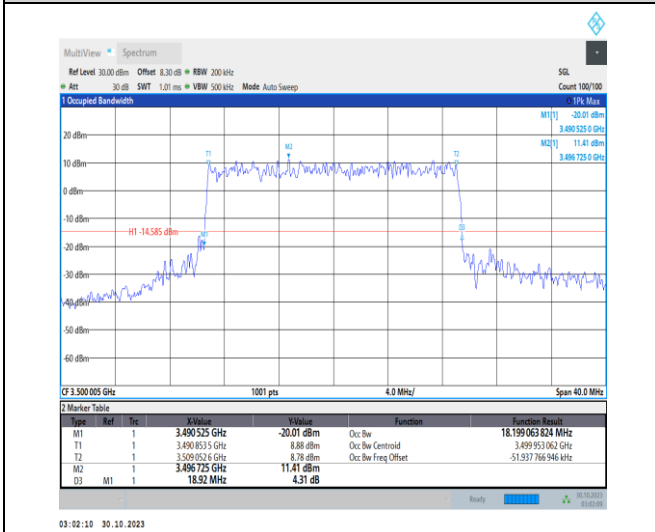
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1-N77-3450-3550-30-20-M-5-DFT-256QAM-Outer\_Full-50@0-Ant2-17.76-18.800-≤20-PASS

1-N77-3450-3550-30-20-M-6-CP-QPSK-Outer\_Full-51@0-Ant2-18.22-19.280-≤20-PASS



1-N77-3450-3550-30-20-M-7-CP-16QAM-Outer\_Full-51@0-Ant2-18.199-18.920-≤20-PASS

1-N77-3450-3550-30-20-M-8-CP-64QAM-Outer\_Full-51@0-Ant2-18.202-19.560-≤20-PASS



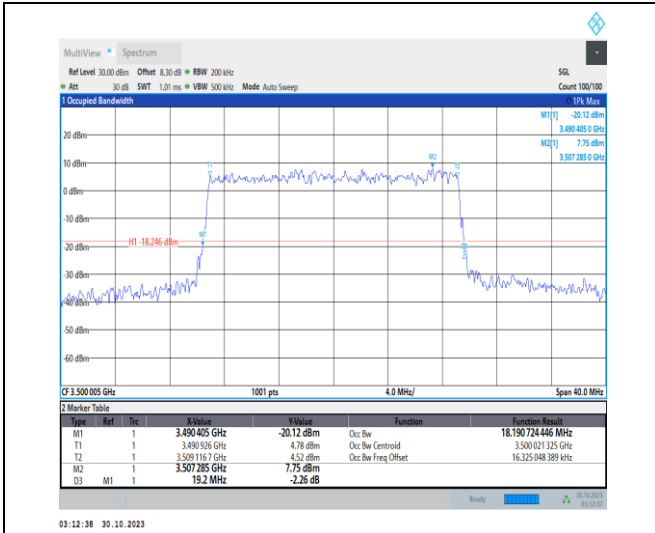
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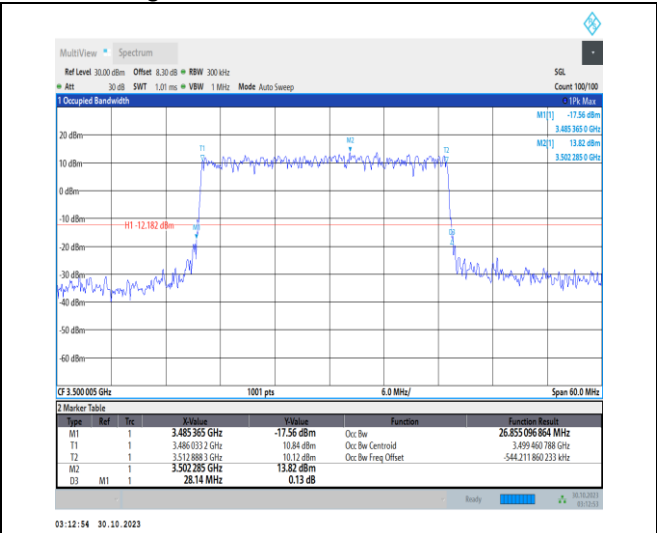
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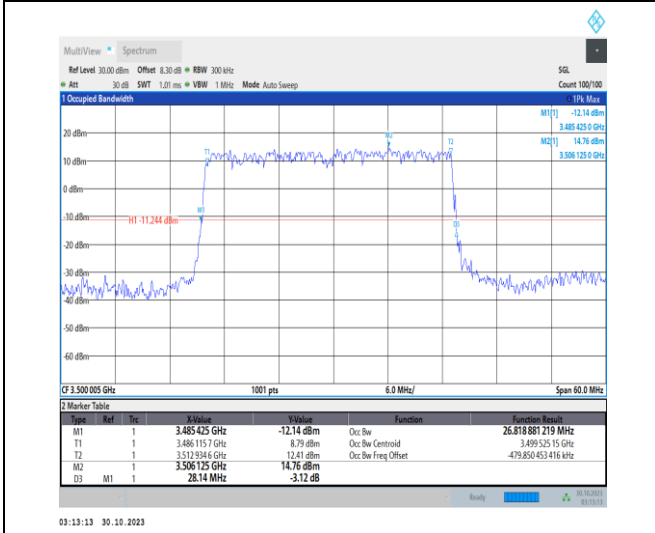
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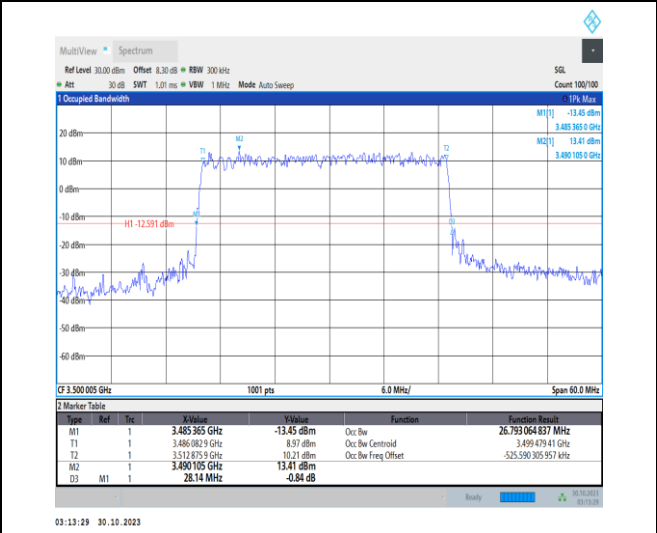
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1-N77-3450-3550-30-30-M-2-DFT-PI2BPSK-Outer\_Full-75@0-Ant2-26.819-28.140-<=30-PASS



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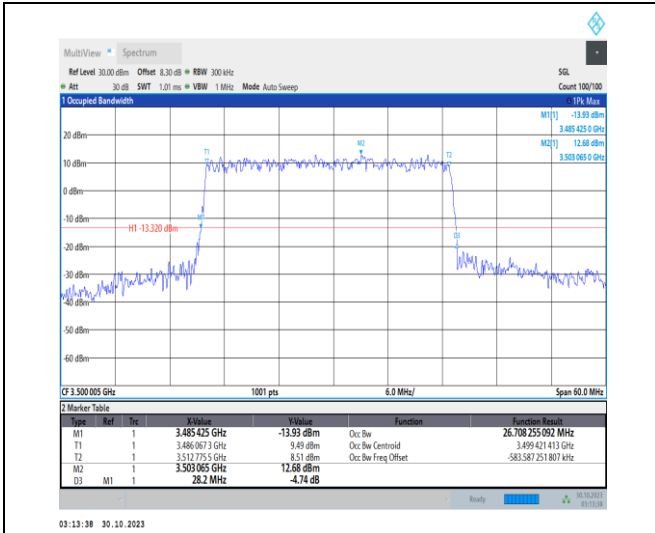


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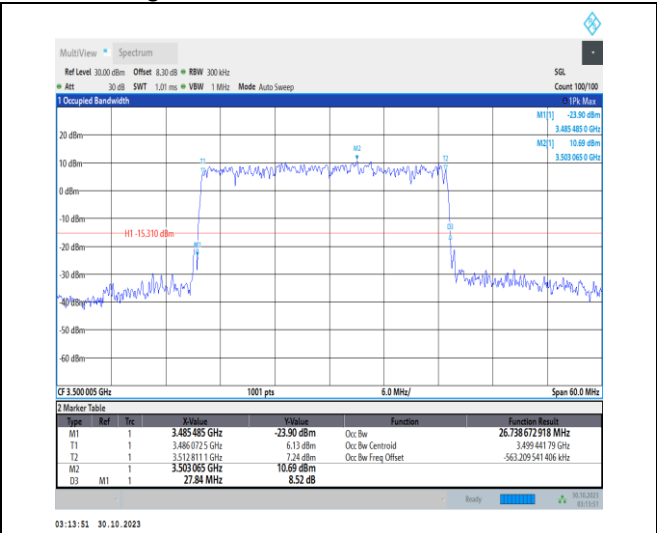
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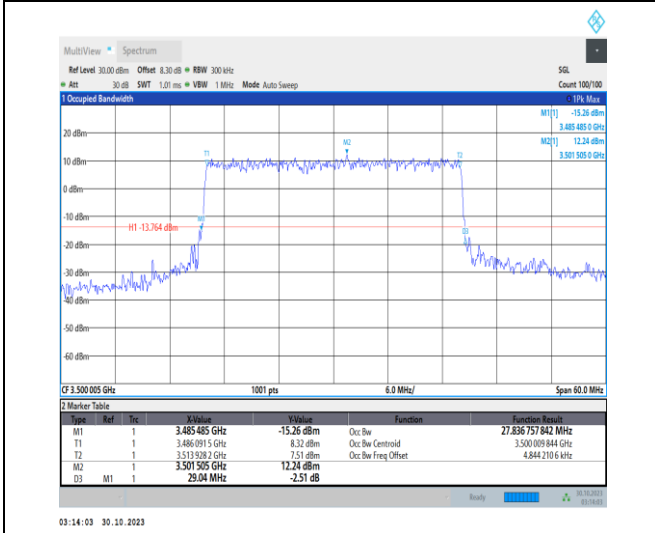




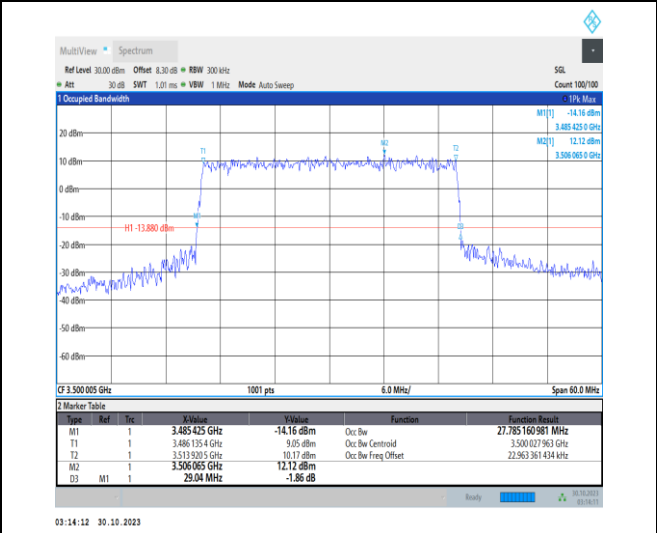
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ull-75@0-Ant2-26.739-27.840-≤30-PASS



1-N77-3450-3550-30-30-M-6-CP-QPSK-Outer\_Full-7  
8@0-Ant2-27.837-29.040-≤30-PASS



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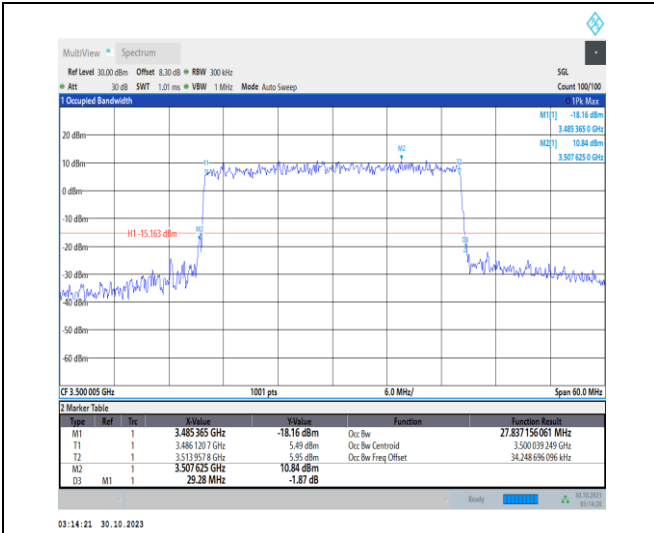
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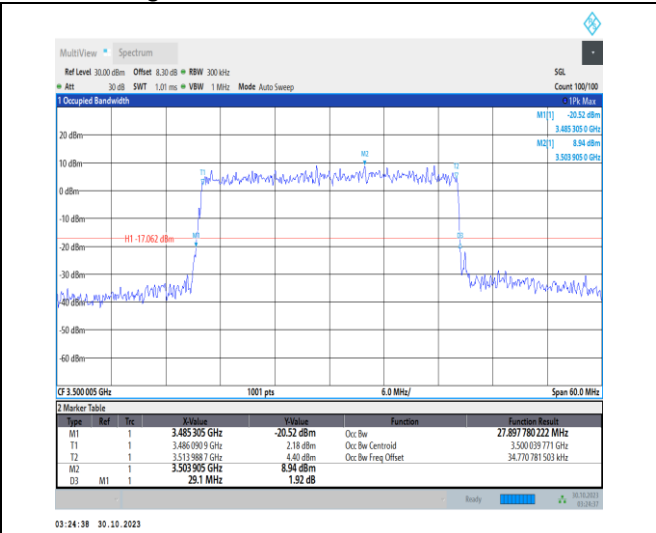
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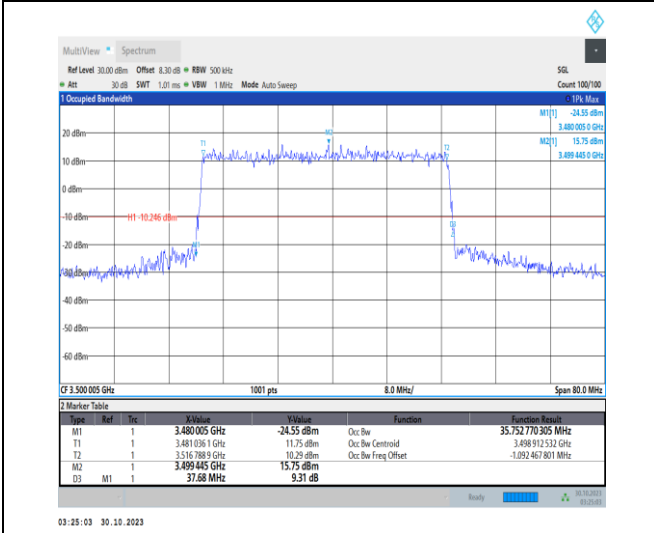
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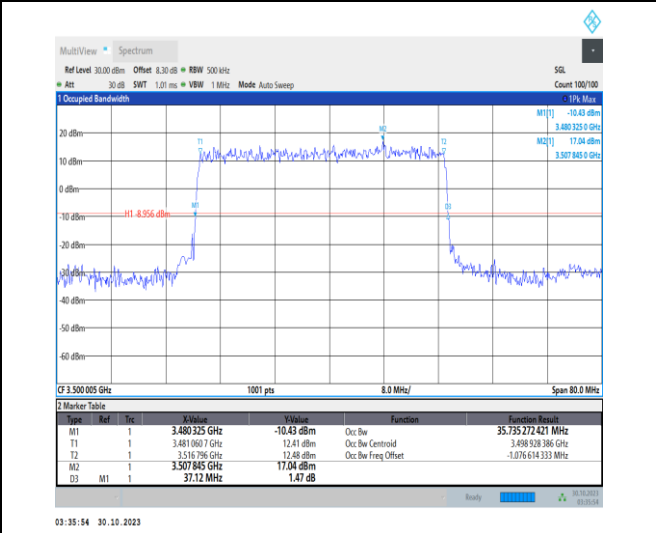
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1-N77-3450-3550-30-30-M-9-CP-256QAM-Outer\_Fu II-78@0-Ant2-27.898-29.100-≤30-PASS



1-N77-3450-3550-30-40-M-1-DFT-QPSK-Outer\_Full-100@0-Ant2-35.753-37.680-≤40-PASS



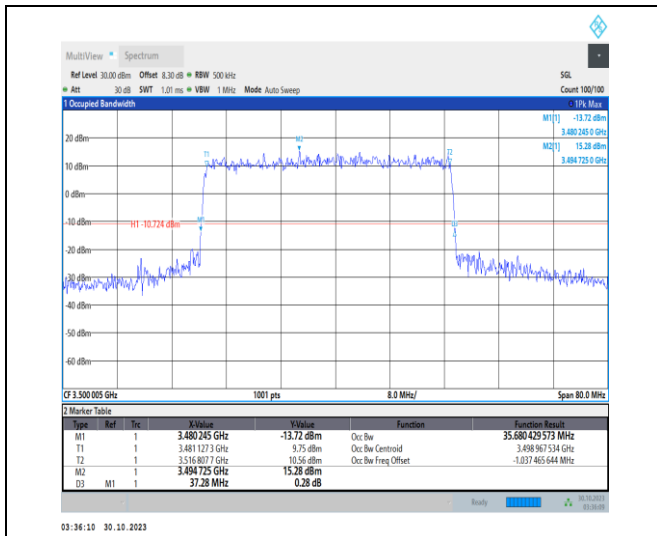
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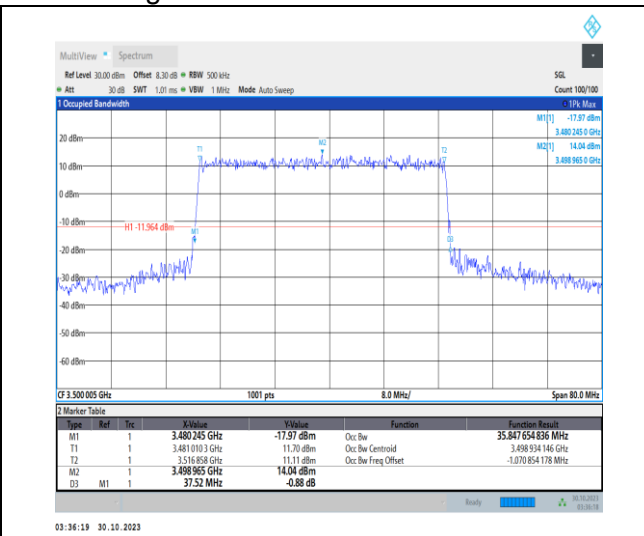
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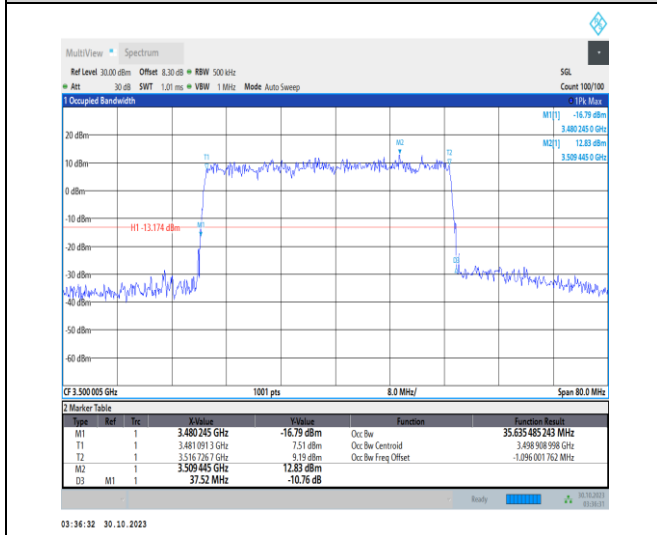
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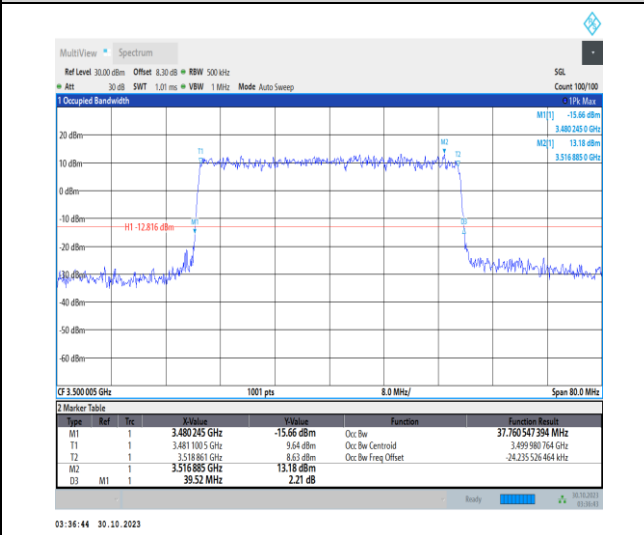
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1-N77-3450-3550-30-40-M-4-DFT-64QAM-Outer\_Full-100@0-Ant2-35.848-37.520-<math>\leq 40</math>-PASS



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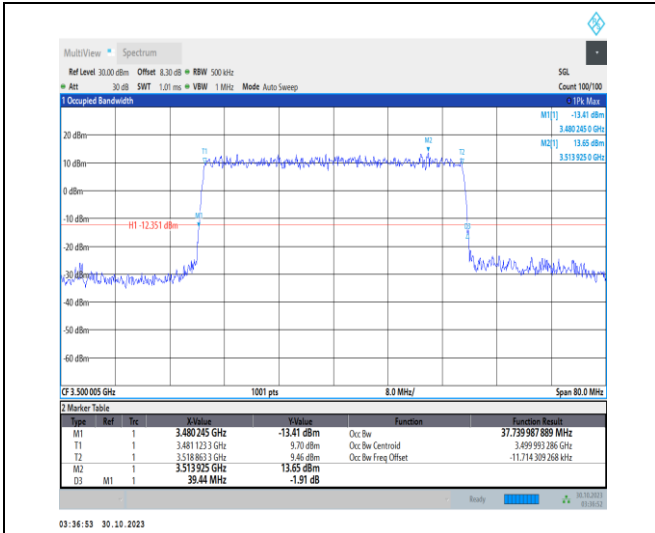
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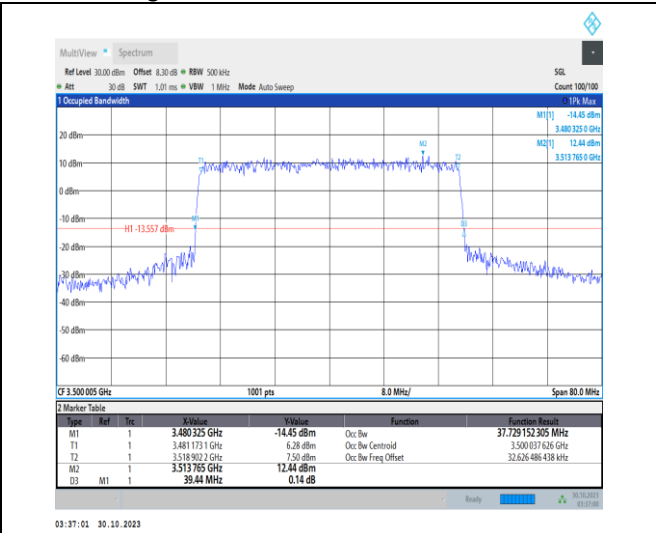
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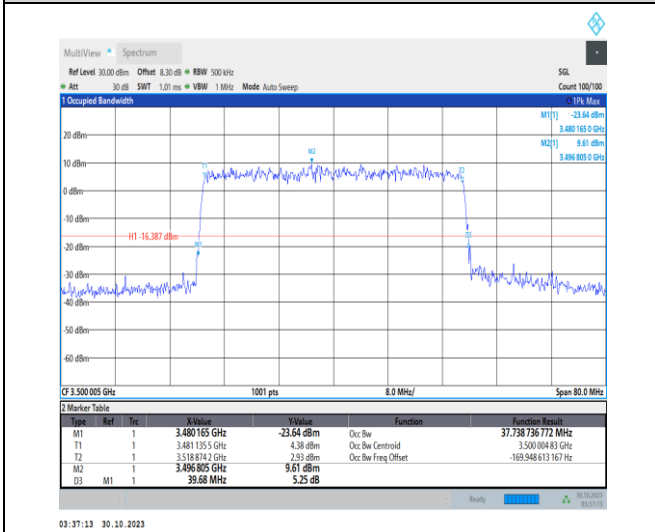
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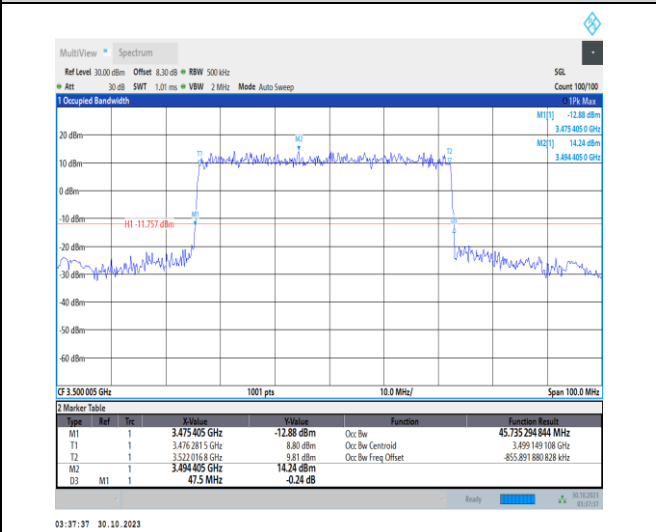
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1-N77-3450-3550-30-40-M-8-CP-64QAM-Outer\_Full-106@0-Ant2-37.729-39.440-≤40-PASS



1-N77-3450-3550-30-40-M-9-CP-256QAM-Outer\_Ful-106@0-Ant2-37.739-39.680-≤40-PASS



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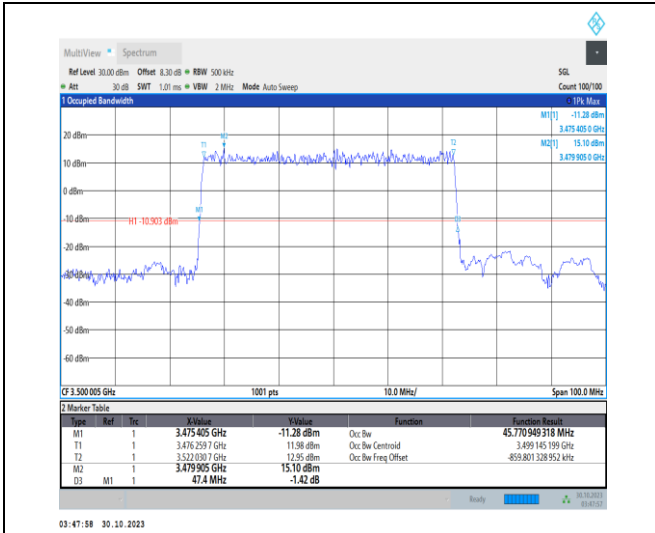


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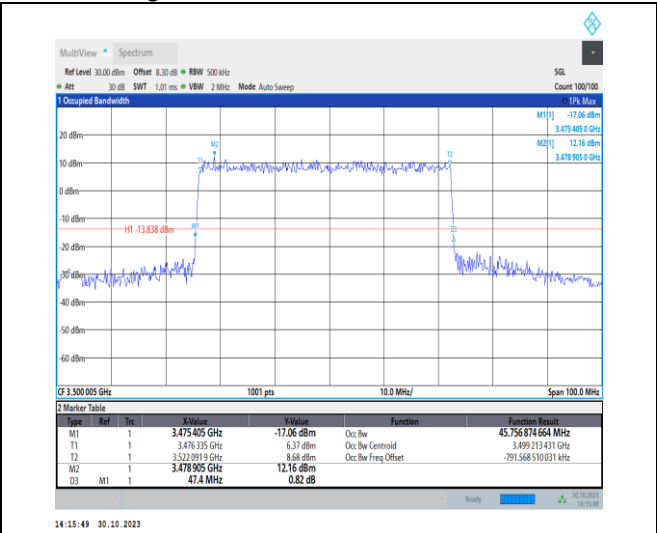
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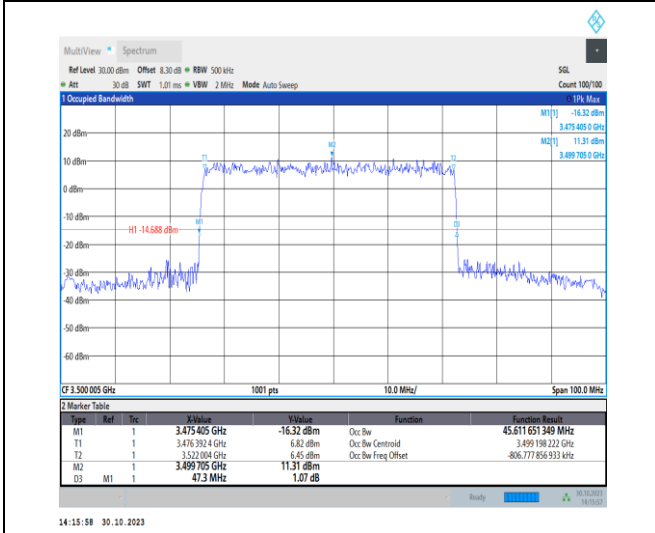




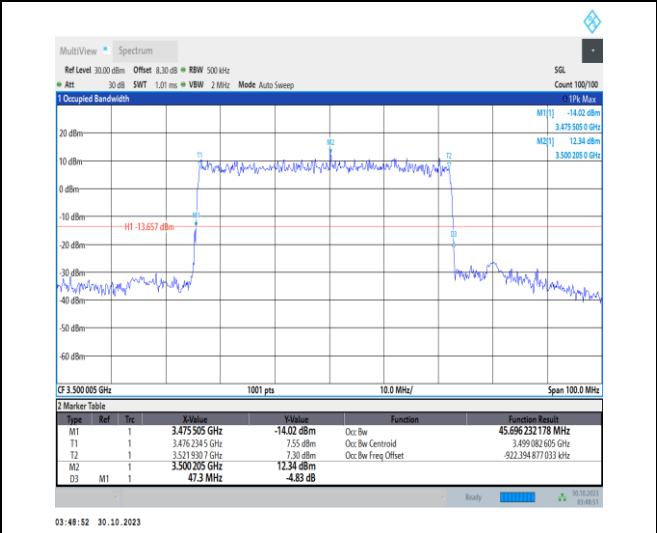
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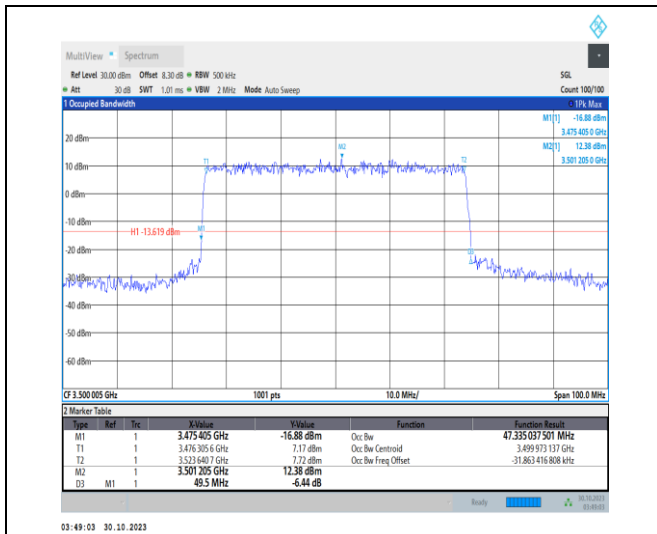
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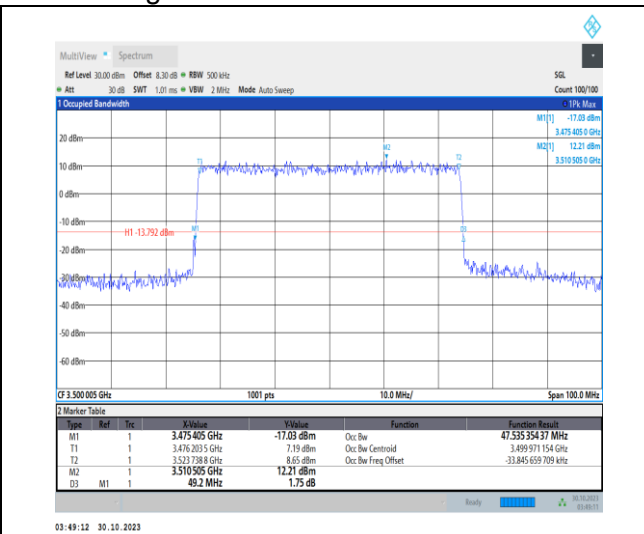
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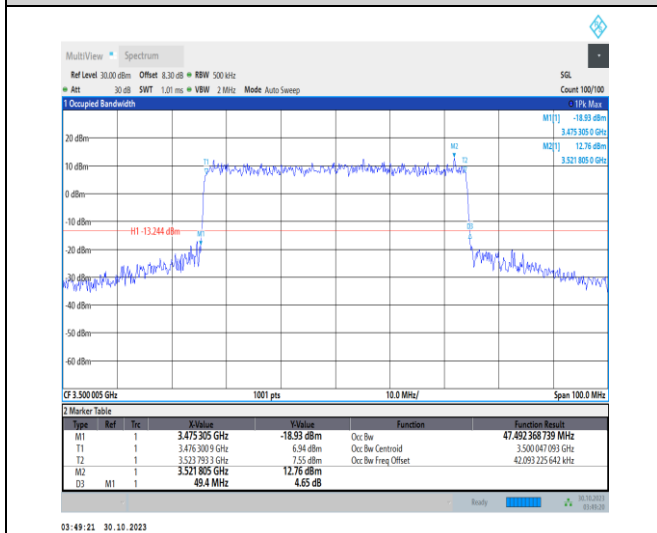
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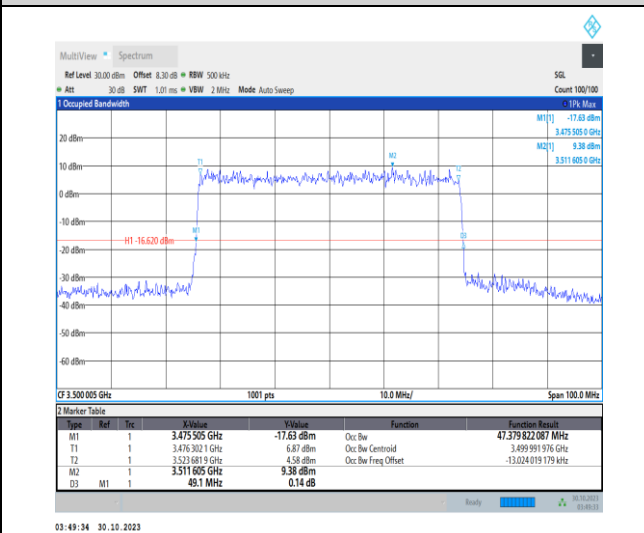
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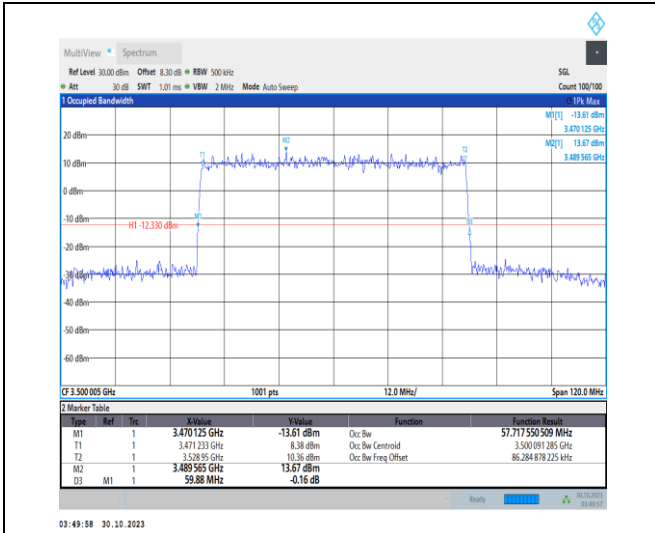
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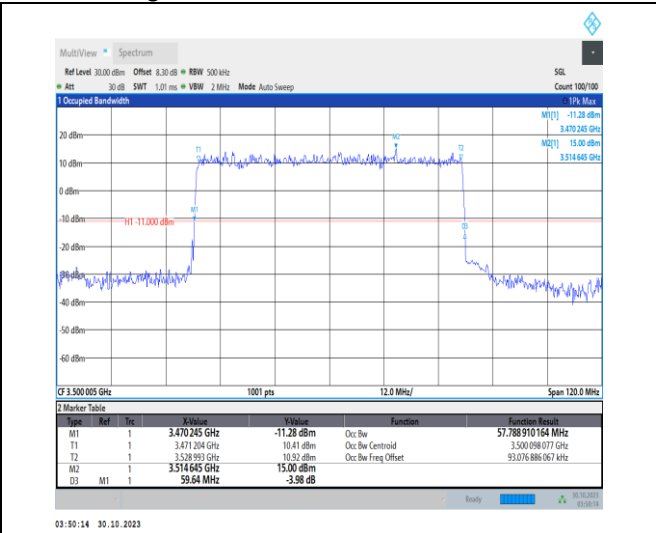
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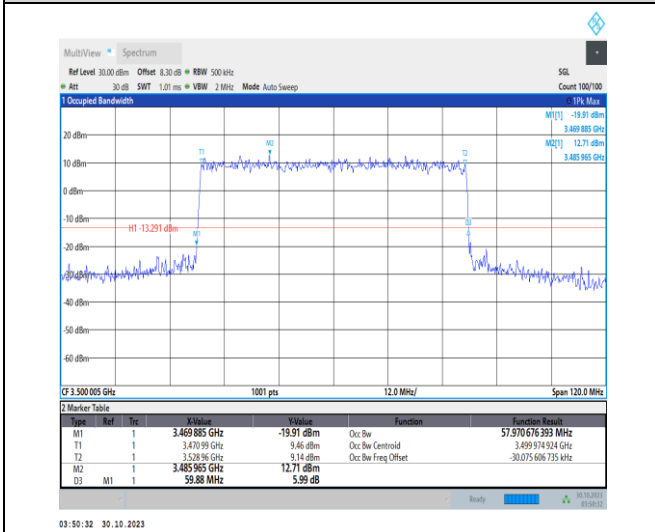
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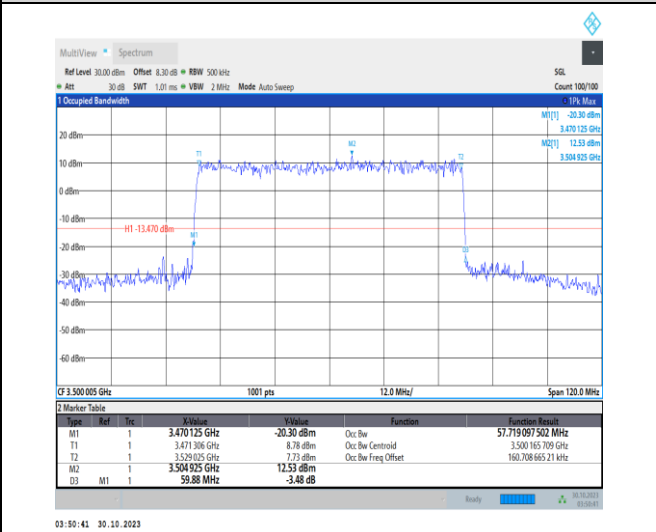
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1-N77-3450-3550-30-60-M-2-DFT-PI2BPSK-Outer\_Full-162@0-Ant2-57.789-59.640-≤60-PASS



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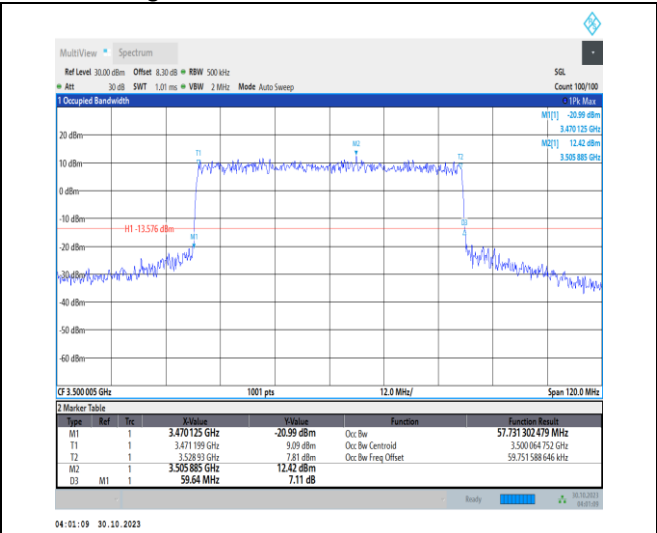
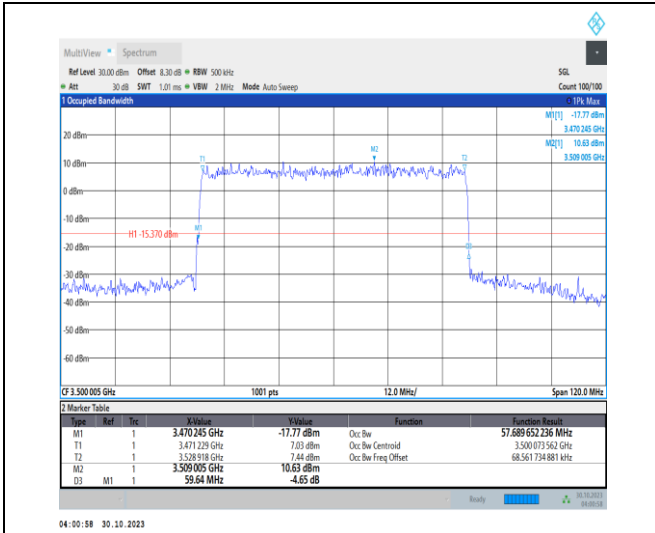
1-N77-3450-3550-30-60-M-4-DFT-64QAM-Outer\_Full-162@0-Ant2-57.719-59.880-≤60-PASS



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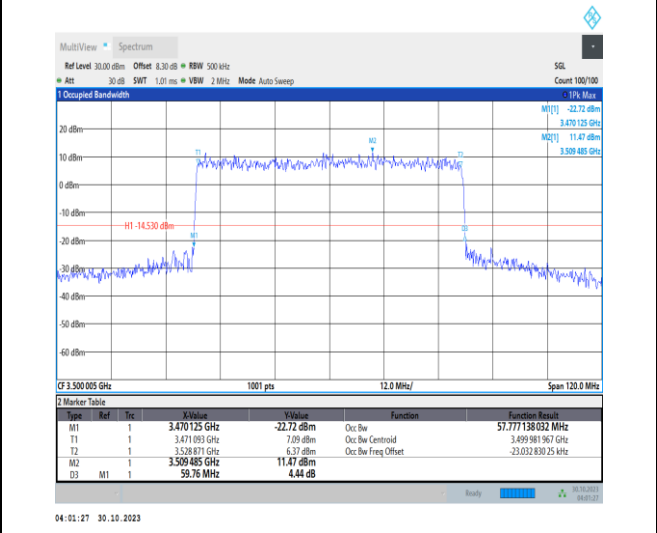
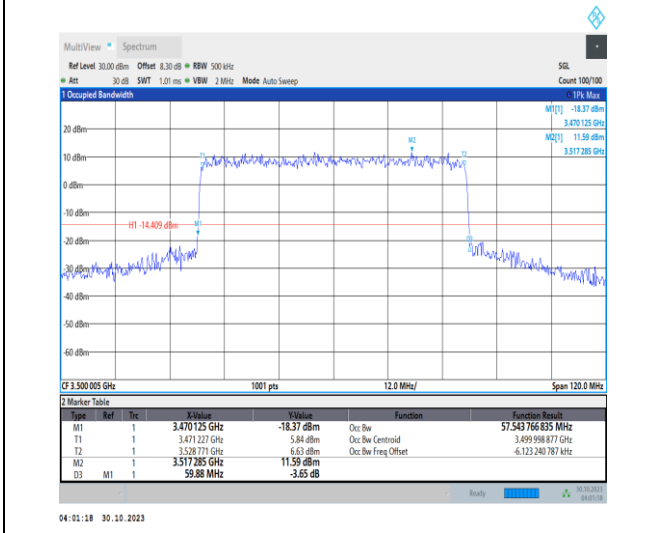
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1-N77-3450-3550-30-60-M-5-DFT-256QAM-Outer\_Full-162@0-Ant2-57.69-59.640-≤60-PASS

1-N77-3450-3550-30-60-M-6-CP-QPSK-Outer\_Full-162@0-Ant2-57.731-59.640-≤60-PASS



1-N77-3450-3550-30-60-M-7-CP-16QAM-Outer\_Full-162@0-Ant2-57.544-59.880-≤60-PASS

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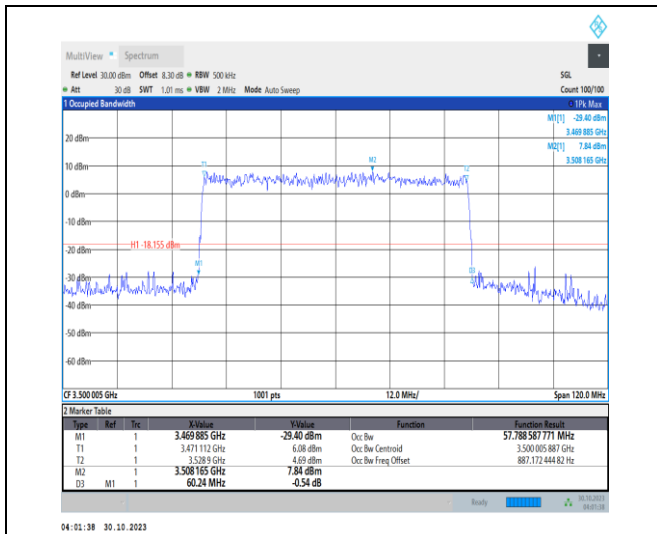


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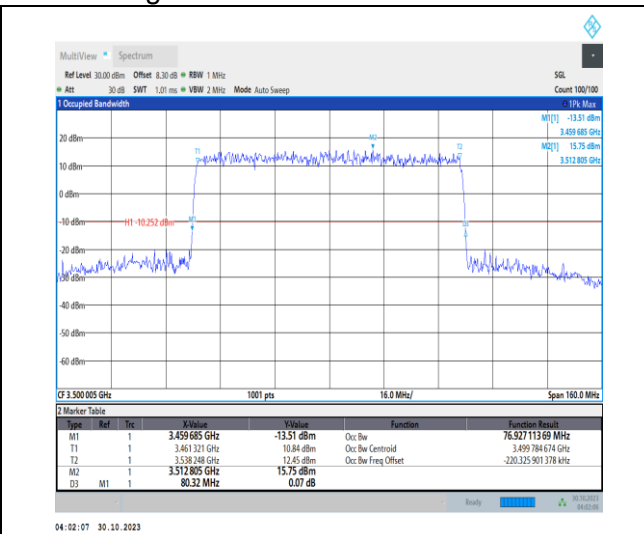
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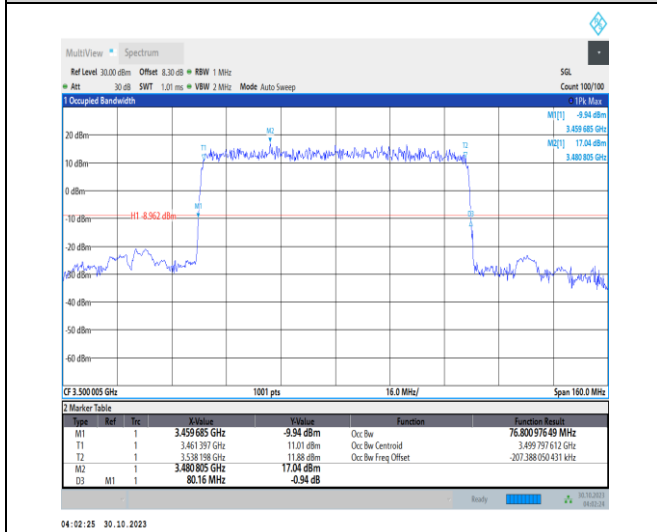




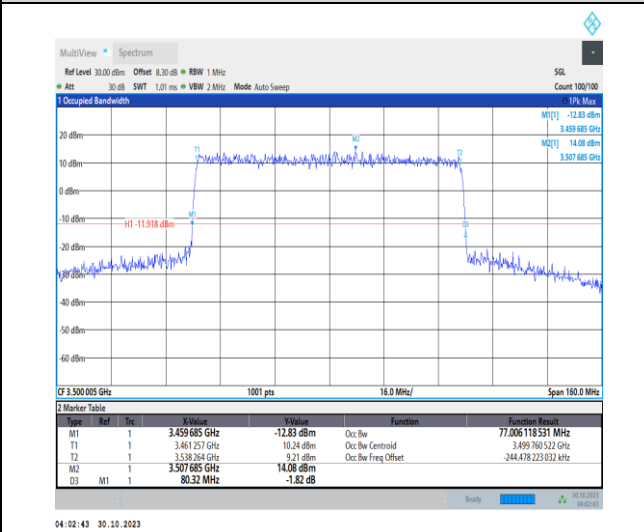
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1-N77-3450-3550-30-80-M-1-DFT-QPSK-Outer\_Full-216@0-Ant2-76.927-80.320-≤80-PASS



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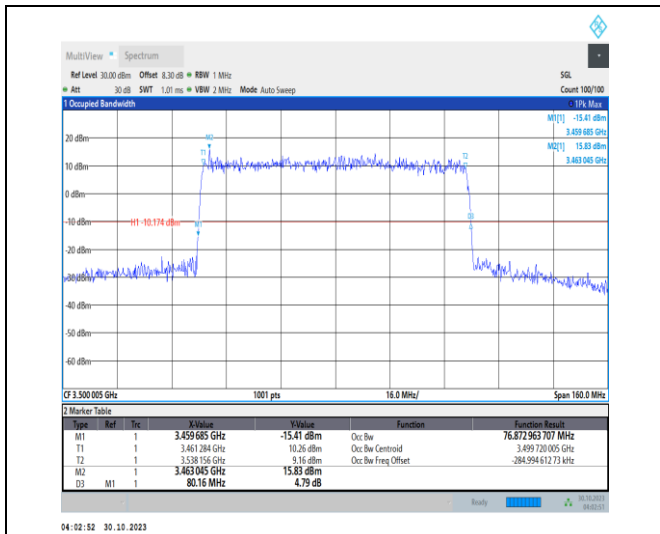


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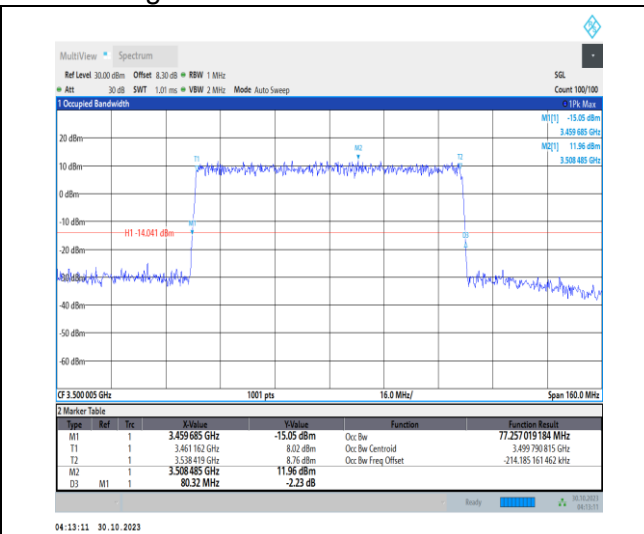


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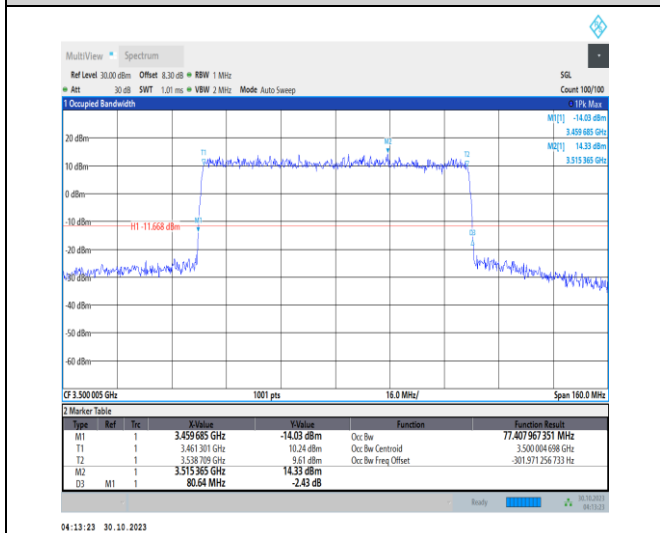
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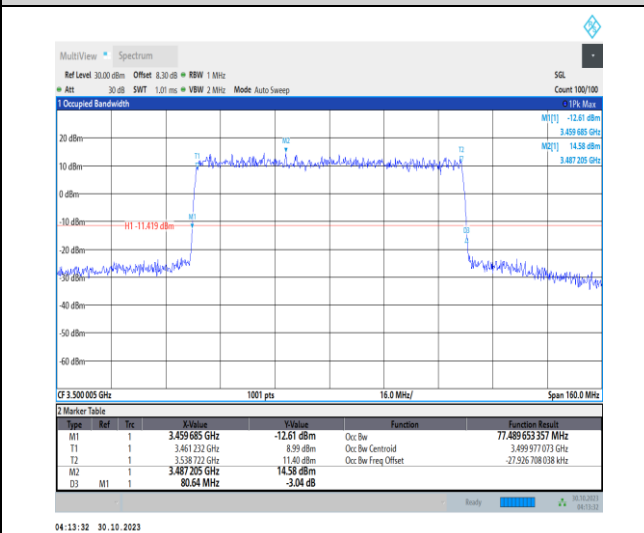
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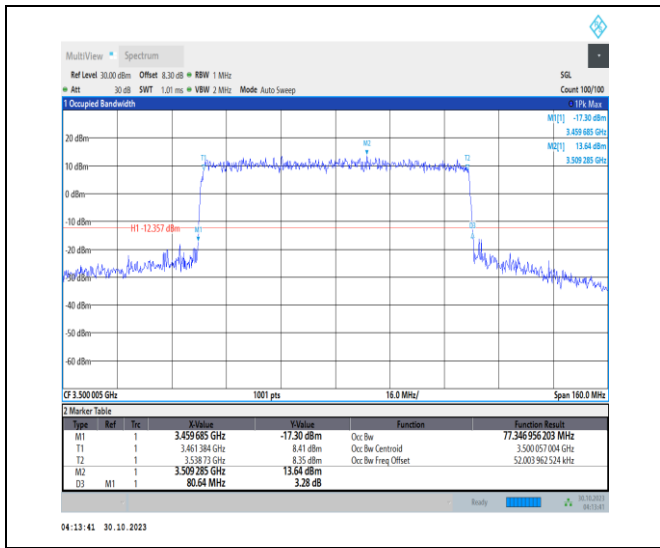
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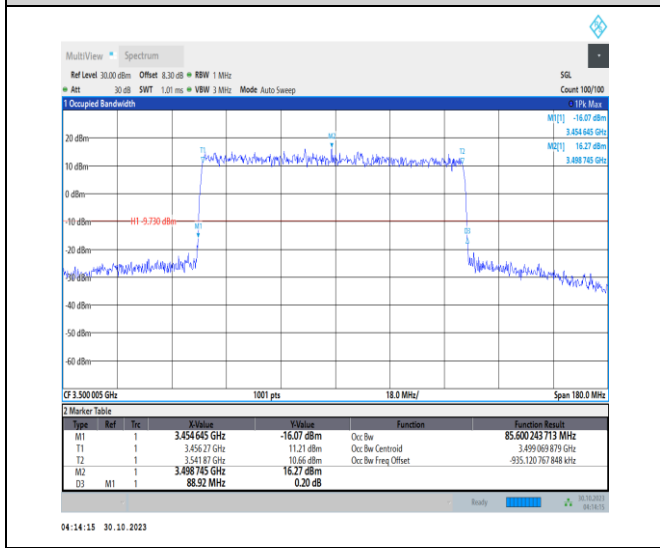
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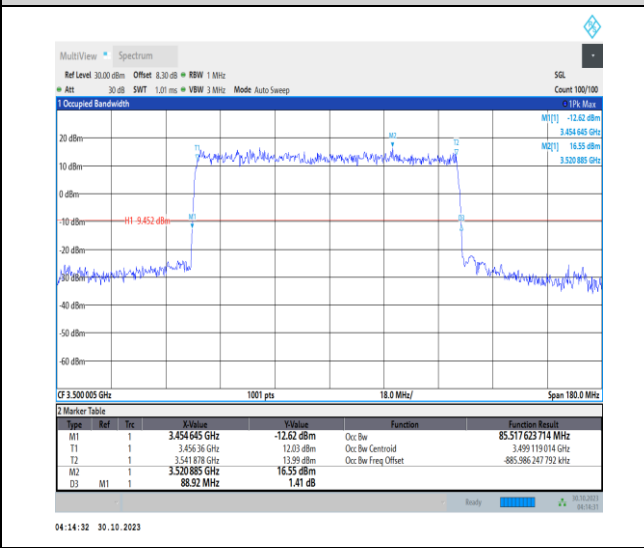
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1-N77-3450-3550-30-80-M-9-CP-256QAM-Outer\_Fu II-217@0-Ant2-77.21-80.640-≤80-PASS



1-N77-3450-3550-30-90-M-1-DFT-QPSK-Outer\_Full-240@0-Ant2-85.6-88.920-≤90-PASS



1-N77-3450-3550-30-90-M-2-DFT-PI2BPSK-Outer\_Full-240@0-Ant2-85.518-88.920-≤90-PASS



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