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# Appendix B.23

## NR Band n41



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

### Test Result

ANT11

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N41	30	20	DFT-QPSK	L	Inner_1RB_Left	24.46	23.83	33.00	PASS
N41	30	20	DFT-16QAM	L	Inner_1RB_Left	23.63	23.00	33.00	PASS
N41	30	20	DFT-QPSK	M	Inner_1RB_Left	24.49	23.86	33.00	PASS
N41	30	20	DFT-16QAM	M	Inner_1RB_Left	23.73	23.10	33.00	PASS
N41	30	20	DFT-QPSK	H	Inner_1RB_Left	24.69	24.06	33.00	PASS
N41	30	20	DFT-16QAM	H	Inner_1RB_Left	23.95	23.32	33.00	PASS
N41	30	30	DFT-QPSK	L	Inner_1RB_Left	24.46	23.83	33.00	PASS
N41	30	30	DFT-16QAM	L	Inner_1RB_Left	23.72	23.09	33.00	PASS
N41	30	30	DFT-QPSK	M	Inner_1RB_Left	24.53	23.90	33.00	PASS
N41	30	30	DFT-16QAM	M	Inner_1RB_Left	23.83	23.20	33.00	PASS
N41	30	30	DFT-QPSK	H	Inner_1RB_Left	24.52	23.89	33.00	PASS
N41	30	30	DFT-16QAM	H	Inner_1RB_Left	23.83	23.20	33.00	PASS
N41	30	40	DFT-QPSK	L	Inner_1RB_Left	24.52	23.89	33.00	PASS
N41	30	40	DFT-16QAM	L	Inner_1RB_Left	23.79	23.16	33.00	PASS
N41	30	40	DFT-QPSK	M	Inner_1RB_Left	24.59	23.96	33.00	PASS
N41	30	40	DFT-16QAM	M	Inner_1RB_Left	23.90	23.27	33.00	PASS
N41	30	40	DFT-QPSK	H	Inner_1RB_Left	24.55	23.92	33.00	PASS
N41	30	40	DFT-16QAM	H	Inner_1RB_Left	23.87	23.24	33.00	PASS
N41	30	50	DFT-QPSK	L	Inner_1RB_Left	24.31	23.68	33.00	PASS
N41	30	50	DFT-16QAM	L	Inner_1RB_Left	23.57	22.94	33.00	PASS
N41	30	50	DFT-QPSK	M	Inner_1RB_Left	24.43	23.80	33.00	PASS
N41	30	50	DFT-16QAM	M	Inner_1RB_Left	23.73	23.10	33.00	PASS
N41	30	50	DFT-QPSK	H	Inner_1RB_Left	24.52	23.89	33.00	PASS
N41	30	50	DFT-16QAM	H	Inner_1RB_Left	23.83	23.20	33.00	PASS
N41	30	60	DFT-QPSK	L	Inner_1RB_Left	24.32	23.69	33.00	PASS
N41	30	60	DFT-16QAM	L	Inner_1RB_Left	23.60	22.97	33.00	PASS
N41	30	60	DFT-QPSK	M	Inner_1RB_Left	24.37	23.74	33.00	PASS
N41	30	60	DFT-16QAM	M	Inner_1RB_Left	23.63	23.00	33.00	PASS
N41	30	60	DFT-QPSK	H	Inner_1RB_Left	24.46	23.83	33.00	PASS
N41	30	60	DFT-16QAM	H	Inner_1RB_Left	23.74	23.11	33.00	PASS
N41	30	70	DFT-QPSK	L	Inner_1RB_Left	24.21	23.58	33.00	PASS



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N41	30	70	DFT-16QAM	L	Inner_1RB_Left	23.57	22.94	33.00	PASS
N41	30	70	DFT-QPSK	M	Inner_1RB_Left	24.23	23.60	33.00	PASS
N41	30	70	DFT-16QAM	M	Inner_1RB_Left	23.49	22.86	33.00	PASS
N41	30	70	DFT-QPSK	H	Inner_1RB_Left	24.27	23.64	33.00	PASS
N41	30	70	DFT-16QAM	H	Inner_1RB_Left	23.55	22.92	33.00	PASS
N41	30	80	DFT-QPSK	L	Inner_1RB_Left	24.16	23.53	33.00	PASS
N41	30	80	DFT-16QAM	L	Inner_1RB_Left	23.43	22.80	33.00	PASS
N41	30	80	DFT-QPSK	M	Inner_1RB_Left	24.08	23.45	33.00	PASS
N41	30	80	DFT-16QAM	M	Inner_1RB_Left	23.40	22.77	33.00	PASS
N41	30	80	DFT-QPSK	H	Inner_1RB_Left	24.26	23.63	33.00	PASS
N41	30	80	DFT-16QAM	H	Inner_1RB_Left	23.47	22.84	33.00	PASS
N41	30	90	DFT-QPSK	L	Inner_1RB_Left	24.14	23.51	33.00	PASS
N41	30	90	DFT-16QAM	L	Inner_1RB_Left	23.49	22.86	33.00	PASS
N41	30	90	DFT-QPSK	M	Inner_1RB_Left	24.09	23.46	33.00	PASS
N41	30	90	DFT-16QAM	M	Inner_1RB_Left	23.43	22.80	33.00	PASS
N41	30	90	DFT-QPSK	H	Inner_1RB_Left	24.14	23.51	33.00	PASS
N41	30	90	DFT-16QAM	H	Inner_1RB_Left	23.35	22.72	33.00	PASS
N41	30	100	DFT-PI2BPSK	L	Inner_1RB_Left	24.14	23.51	33.00	PASS
N41	30	100	DFT-PI2BPSK	L	Inner_1RB_Right	24.50	23.87	33.00	PASS
N41	30	100	DFT-PI2BPSK	L	Outer_Full	23.92	23.29	33.00	PASS
N41	30	100	DFT-QPSK	L	Inner_1RB_Left	24.24	23.61	33.00	PASS
N41	30	100	DFT-QPSK	L	Inner_1RB_Right	24.58	23.95	33.00	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	23.47	22.84	33.00	PASS
N41	30	100	DFT-16QAM	L	Inner_1RB_Left	23.45	22.82	33.00	PASS
N41	30	100	DFT-16QAM	L	Inner_1RB_Right	23.83	23.20	33.00	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	22.47	21.84	33.00	PASS
N41	30	100	DFT-64QAM	L	Inner_1RB_Left	21.59	20.96	33.00	PASS
N41	30	100	DFT-64QAM	L	Inner_1RB_Right	21.91	21.28	33.00	PASS
N41	30	100	DFT-64QAM	L	Outer_Full	21.95	21.32	33.00	PASS
N41	30	100	DFT-256QAM	L	Inner_1RB_Left	19.98	19.35	33.00	PASS
N41	30	100	DFT-256QAM	L	Inner_1RB_Right	20.37	19.74	33.00	PASS
N41	30	100	DFT-256QAM	L	Outer_Full	20.40	19.77	33.00	PASS
N41	30	100	DFT-PI2BPSK	M	Inner_1RB_Left	24.11	23.48	33.00	PASS
N41	30	100	DFT-PI2BPSK	M	Inner_1RB_Right	24.71	24.08	33.00	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	23.99	23.36	33.00	PASS
N41	30	100	DFT-QPSK	M	Inner_1RB_Left	24.20	23.57	33.00	PASS
N41	30	100	DFT-QPSK	M	Inner_1RB_Right	24.80	24.17	33.00	PASS



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N41	30	100	DFT-QPSK	M	Outer_Full	23.49	22.86	33.00	PASS
N41	30	100	DFT-16QAM	M	Inner_1RB_Left	23.44	22.81	33.00	PASS
N41	30	100	DFT-16QAM	M	Inner_1RB_Right	23.97	23.34	33.00	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	22.52	21.89	33.00	PASS
N41	30	100	DFT-64QAM	M	Inner_1RB_Left	21.56	20.93	33.00	PASS
N41	30	100	DFT-64QAM	M	Inner_1RB_Right	22.15	21.52	33.00	PASS
N41	30	100	DFT-64QAM	M	Outer_Full	22.02	21.39	33.00	PASS
N41	30	100	DFT-256QAM	M	Inner_1RB_Left	20.01	19.38	33.00	PASS
N41	30	100	DFT-256QAM	M	Inner_1RB_Right	20.53	19.90	33.00	PASS
N41	30	100	DFT-256QAM	M	Outer_Full	20.39	19.76	33.00	PASS
N41	30	100	DFT-PI2BPSK	H	Inner_1RB_Left	24.14	23.51	33.00	PASS
N41	30	100	DFT-PI2BPSK	H	Inner_1RB_Right	24.88	24.25	33.00	PASS
N41	30	100	DFT-PI2BPSK	H	Outer_Full	24.09	23.46	33.00	PASS
N41	30	100	DFT-QPSK	H	Inner_1RB_Left	24.23	23.60	33.00	PASS
N41	30	100	DFT-QPSK	H	Inner_1RB_Right	24.90	24.27	33.00	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	23.57	22.94	33.00	PASS
N41	30	100	DFT-16QAM	H	Inner_1RB_Left	23.49	22.86	33.00	PASS
N41	30	100	DFT-16QAM	H	Inner_1RB_Right	24.17	23.54	33.00	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	22.65	22.02	33.00	PASS
N41	30	100	DFT-64QAM	H	Inner_1RB_Left	21.57	20.94	33.00	PASS
N41	30	100	DFT-64QAM	H	Inner_1RB_Right	22.23	21.60	33.00	PASS
N41	30	100	DFT-64QAM	H	Outer_Full	22.12	21.49	33.00	PASS
N41	30	100	DFT-256QAM	H	Inner_1RB_Left	20.00	19.37	33.00	PASS
N41	30	100	DFT-256QAM	H	Inner_1RB_Right	20.68	20.05	33.00	PASS
N41	30	100	DFT-256QAM	H	Outer_Full	20.50	19.87	33.00	PASS



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## Peak-to-Average Ratio for SA

### Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N41	30	100	DFT-256QAM	L	Outer_Full	9.69	≤13	PASS
N41	30	100	CP-256QAM	L	Outer_Full	9.68	≤13	PASS
N41	30	100	DFT-256QAM	M	Outer_Full	9.40	≤13	PASS
N41	30	100	CP-256QAM	M	Outer_Full	10.24	≤13	PASS
N41	30	100	DFT-256QAM	H	Outer_Full	9.05	≤13	PASS
N41	30	100	CP-256QAM	H	Outer_Full	9.91	≤13	PASS



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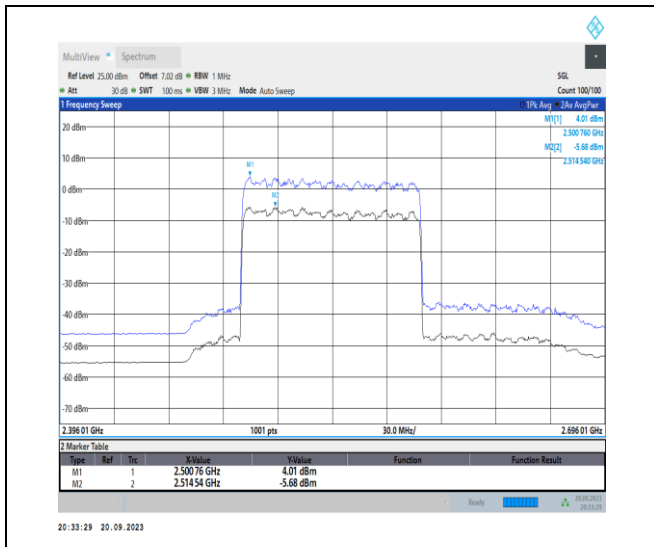
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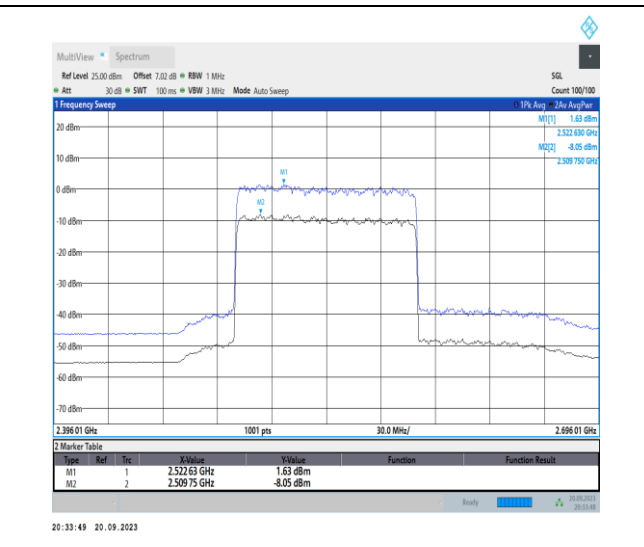
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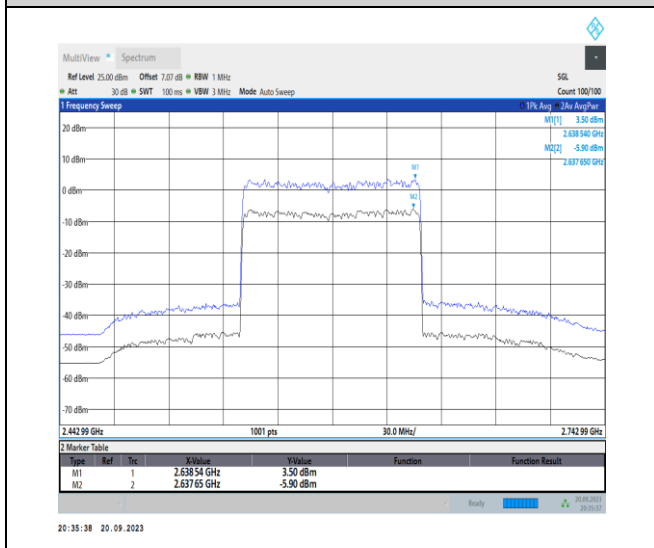
Test Graphs



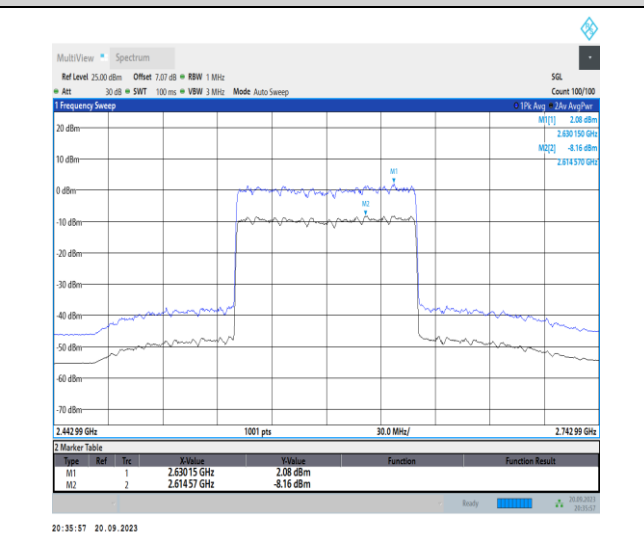
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1-N41-PC2-30-100-L-2-CP-256QAM-Outer\_Full-273  
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1-N41-PC2-30-100-M-1-DFT-256QAM-Outer\_Full-2  
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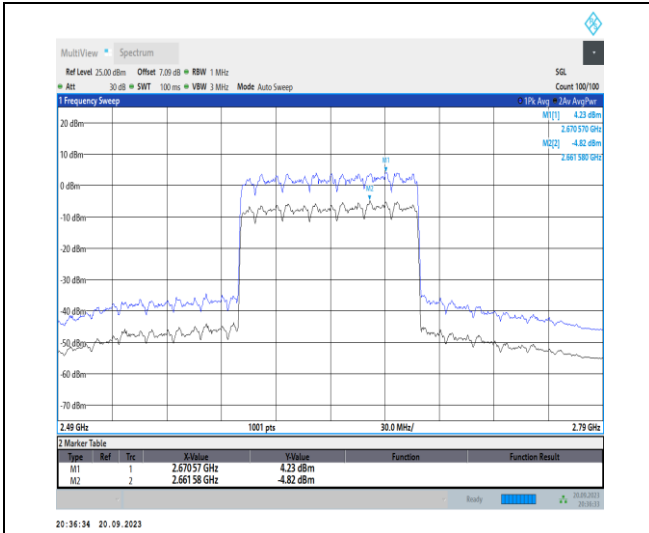
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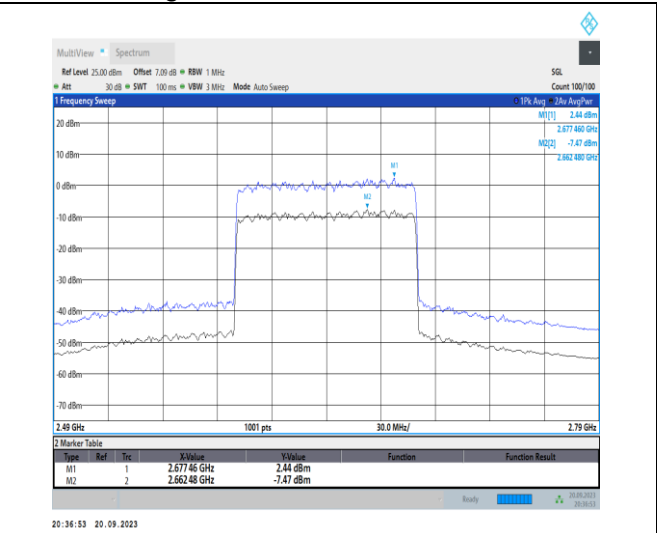
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1-N41-PC2-30-100-H-1-DFT-256QAM-Outer\_Full-27  
0@0-Ant11-9.05-100%-0.00-9.05-PASS-≤13



1-N41-PC2-30-100-H-2-CP-256QAM-Outer\_Full-273  
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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
N41	30	20	DFT-QPSK	M	Outer_Full	17.836	18.920	PASS
N41	30	20	DFT-PI2BPSK	M	Outer_Full	17.872	19.040	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	17.922	18.680	PASS
N41	30	20	DFT-64QAM	M	Outer_Full	17.871	18.920	PASS
N41	30	20	DFT-256QAM	M	Outer_Full	17.834	18.840	PASS
N41	30	20	CP-QPSK	M	Outer_Full	18.206	19.160	PASS
N41	30	20	CP-16QAM	M	Outer_Full	18.255	19.360	PASS
N41	30	20	CP-64QAM	M	Outer_Full	18.213	19.360	PASS
N41	30	20	CP-256QAM	M	Outer_Full	18.213	18.960	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	26.777	27.900	PASS
N41	30	30	DFT-PI2BPSK	M	Outer_Full	26.812	28.260	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	26.795	28.200	PASS
N41	30	30	DFT-64QAM	M	Outer_Full	26.763	28.080	PASS
N41	30	30	DFT-256QAM	M	Outer_Full	26.932	28.020	PASS
N41	30	30	CP-QPSK	M	Outer_Full	27.809	29.040	PASS
N41	30	30	CP-16QAM	M	Outer_Full	27.793	28.980	PASS
N41	30	30	CP-64QAM	M	Outer_Full	27.853	29.220	PASS
N41	30	30	CP-256QAM	M	Outer_Full	27.864	29.100	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	35.732	37.360	PASS
N41	30	40	DFT-PI2BPSK	M	Outer_Full	35.697	37.280	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	35.755	37.360	PASS
N41	30	40	DFT-64QAM	M	Outer_Full	35.733	37.440	PASS
N41	30	40	DFT-256QAM	M	Outer_Full	35.737	37.440	PASS
N41	30	40	CP-QPSK	M	Outer_Full	37.914	39.760	PASS
N41	30	40	CP-16QAM	M	Outer_Full	37.904	39.520	PASS
N41	30	40	CP-64QAM	M	Outer_Full	37.891	39.840	PASS
N41	30	40	CP-256QAM	M	Outer_Full	37.838	39.360	PASS
N41	30	50	DFT-QPSK	M	Outer_Full	45.744	47.400	PASS
N41	30	50	DFT-PI2BPSK	M	Outer_Full	45.82	47.600	PASS
N41	30	50	DFT-16QAM	M	Outer_Full	45.821	47.400	PASS
N41	30	50	DFT-64QAM	M	Outer_Full	45.879	47.600	PASS



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N41	30	50	DFT-256QAM	M	Outer_Full	45.711	47.400	PASS
N41	30	50	CP-QPSK	M	Outer_Full	47.452	49.200	PASS
N41	30	50	CP-16QAM	M	Outer_Full	47.446	49.400	PASS
N41	30	50	CP-64QAM	M	Outer_Full	47.557	49.200	PASS
N41	30	50	CP-256QAM	M	Outer_Full	47.353	49.300	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	57.683	59.760	PASS
N41	30	60	DFT-PI2BPSK	M	Outer_Full	57.734	59.760	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	57.941	59.880	PASS
N41	30	60	DFT-64QAM	M	Outer_Full	57.891	59.520	PASS
N41	30	60	DFT-256QAM	M	Outer_Full	57.853	59.760	PASS
N41	30	60	CP-QPSK	M	Outer_Full	57.691	60.000	PASS
N41	30	60	CP-16QAM	M	Outer_Full	57.878	60.000	PASS
N41	30	60	CP-64QAM	M	Outer_Full	57.714	59.640	PASS
N41	30	60	CP-256QAM	M	Outer_Full	57.791	59.640	PASS
N41	30	70	DFT-QPSK	M	Outer_Full	64.22	66.220	PASS
N41	30	70	DFT-PI2BPSK	M	Outer_Full	64.265	66.220	PASS
N41	30	70	DFT-16QAM	M	Outer_Full	64.331	66.360	PASS
N41	30	70	DFT-64QAM	M	Outer_Full	64.211	66.360	PASS
N41	30	70	DFT-256QAM	M	Outer_Full	64.377	66.360	PASS
N41	30	70	CP-QPSK	M	Outer_Full	67.461	69.580	PASS
N41	30	70	CP-16QAM	M	Outer_Full	67.245	69.580	PASS
N41	30	70	CP-64QAM	M	Outer_Full	67.411	69.580	PASS
N41	30	70	CP-256QAM	M	Outer_Full	67.409	69.440	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	77.309	80.320	PASS
N41	30	80	DFT-PI2BPSK	M	Outer_Full	77.11	80.320	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	77.072	80.480	PASS
N41	30	80	DFT-64QAM	M	Outer_Full	77.202	80.320	PASS
N41	30	80	DFT-256QAM	M	Outer_Full	77.09	80.160	PASS
N41	30	80	CP-QPSK	M	Outer_Full	77.584	80.640	PASS
N41	30	80	CP-16QAM	M	Outer_Full	77.584	80.640	PASS
N41	30	80	CP-64QAM	M	Outer_Full	77.319	80.640	PASS
N41	30	80	CP-256QAM	M	Outer_Full	77.389	80.640	PASS
N41	30	90	DFT-QPSK	M	Outer_Full	85.782	89.280	PASS
N41	30	90	DFT-PI2BPSK	M	Outer_Full	85.71	88.920	PASS
N41	30	90	DFT-16QAM	M	Outer_Full	85.736	89.100	PASS
N41	30	90	DFT-64QAM	M	Outer_Full	85.888	89.100	PASS
N41	30	90	DFT-256QAM	M	Outer_Full	85.817	88.920	PASS



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N41	30	90	CP-QPSK	M	Outer_Full	87.4	90.720	PASS
N41	30	90	CP-16QAM	M	Outer_Full	87.389	90.900	PASS
N41	30	90	CP-64QAM	M	Outer_Full	87.549	90.720	PASS
N41	30	90	CP-256QAM	M	Outer_Full	87.641	90.720	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	96.208	99.800	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	96.436	99.800	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	96.358	99.600	PASS
N41	30	100	DFT-64QAM	M	Outer_Full	96.202	99.800	PASS
N41	30	100	DFT-256QAM	M	Outer_Full	96.397	99.800	PASS
N41	30	100	CP-QPSK	M	Outer_Full	97.334	100.800	PASS
N41	30	100	CP-16QAM	M	Outer_Full	97.676	100.800	PASS
N41	30	100	CP-64QAM	M	Outer_Full	97.307	101.000	PASS
N41	30	100	CP-256QAM	M	Outer_Full	97.593	100.800	PASS



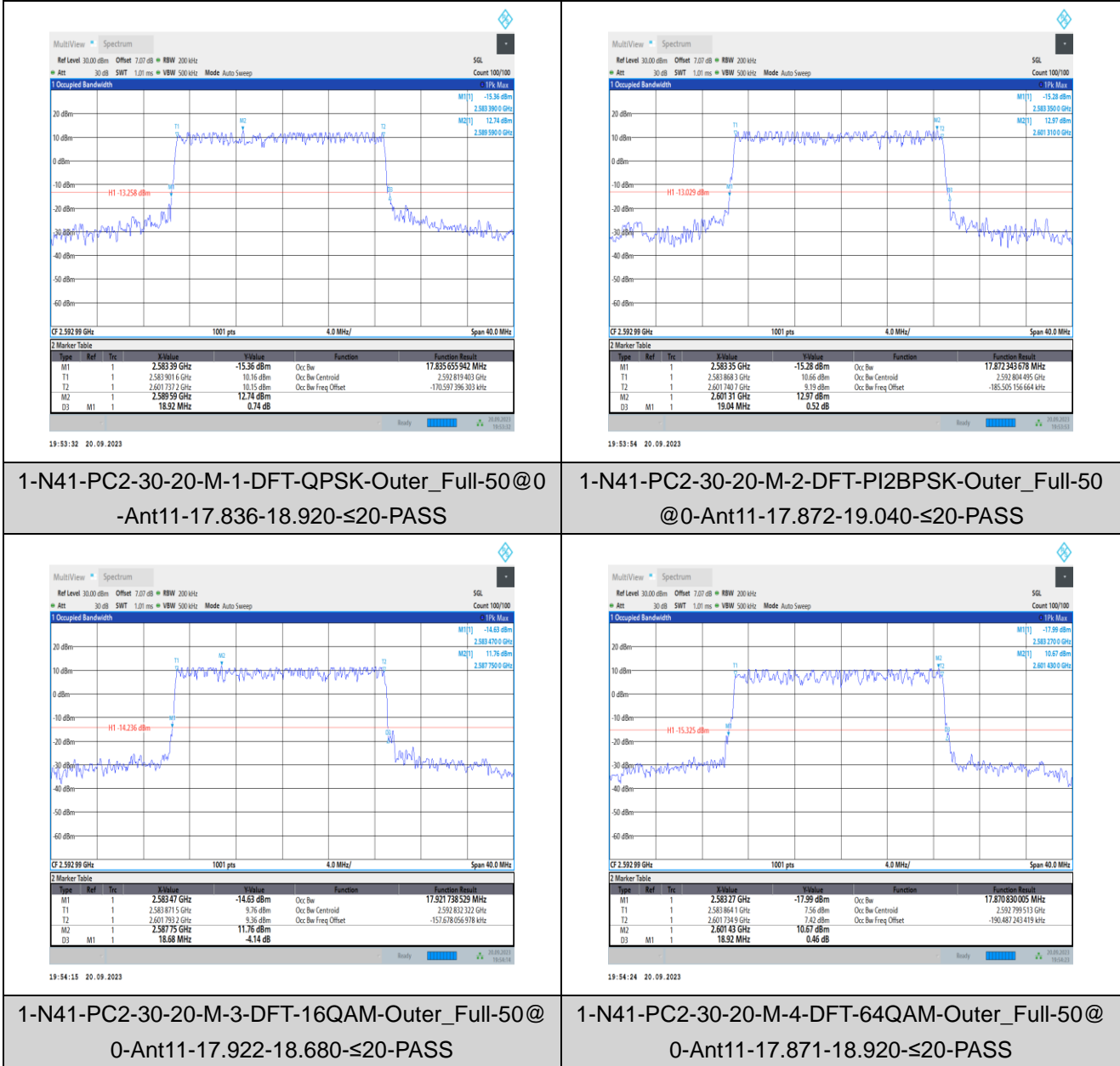
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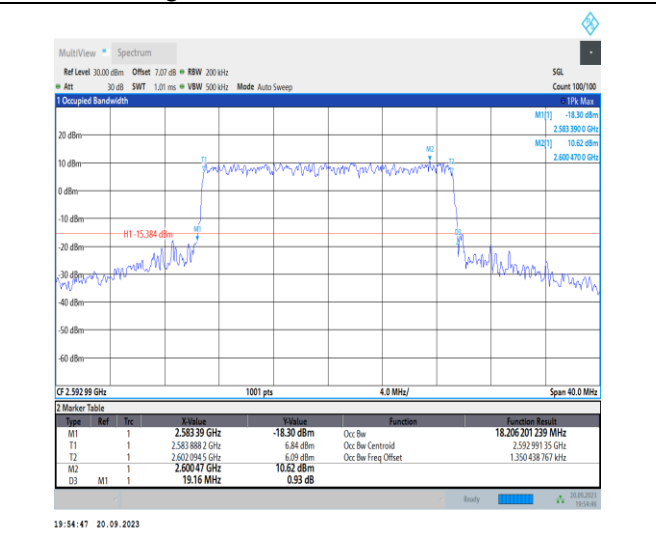
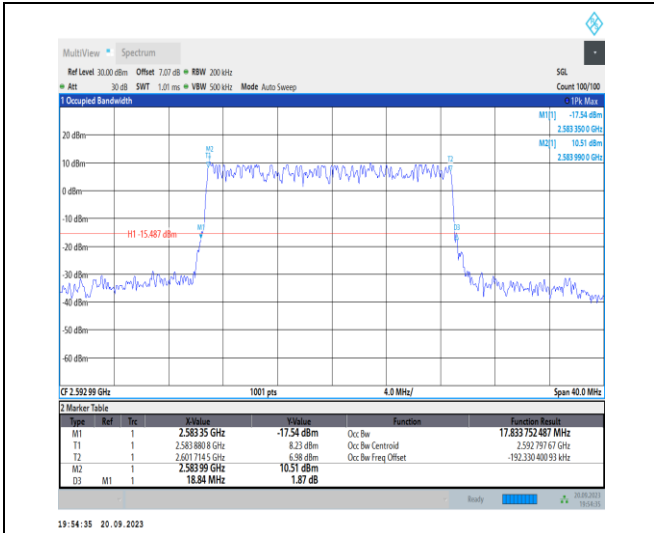
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Test Graphs



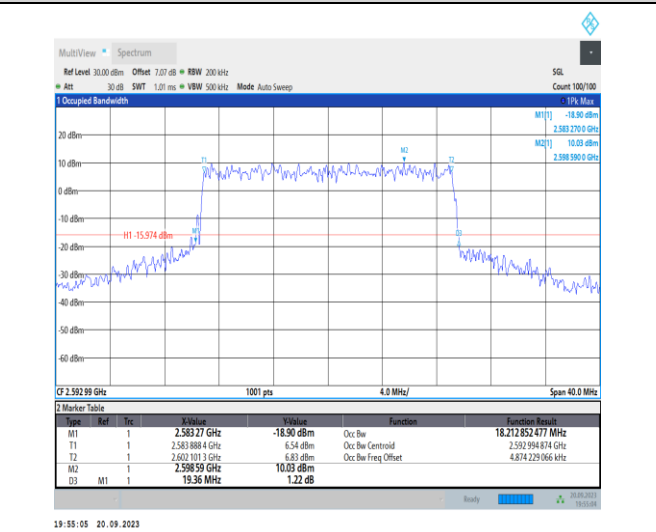
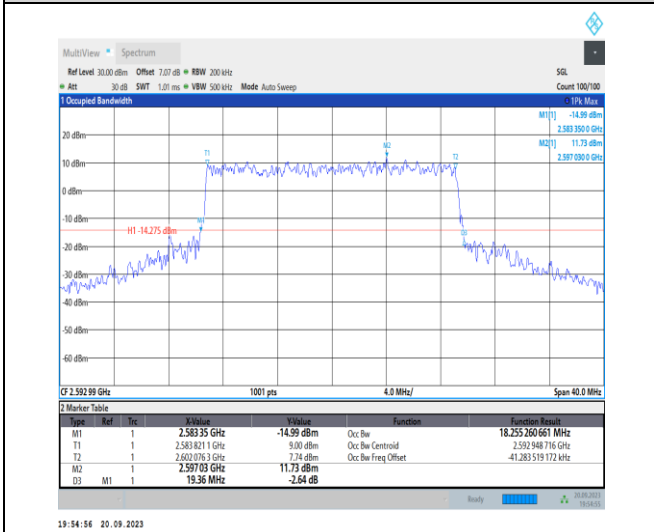
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1-N41-PC2-30-20-M-5-DFT-256QAM-Outer\_Full-50 @0-Ant11-17.834-18.840-<=20-PASS

1-N41-PC2-30-20-M-6-CP-QPSK-Outer\_Full-51 @0-Ant11-18.206-19.160-<=20-PASS



1-N41-PC2-30-20-M-7-CP-16QAM-Outer\_Full-51 @0 -Ant11-18.255-19.360-<=20-PASS

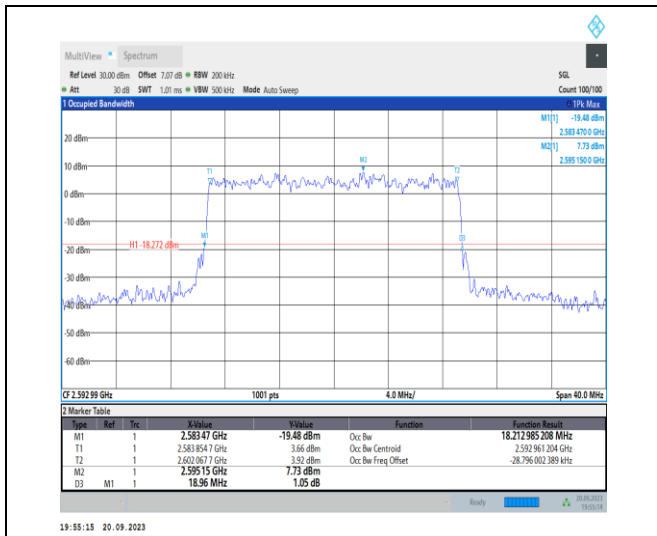
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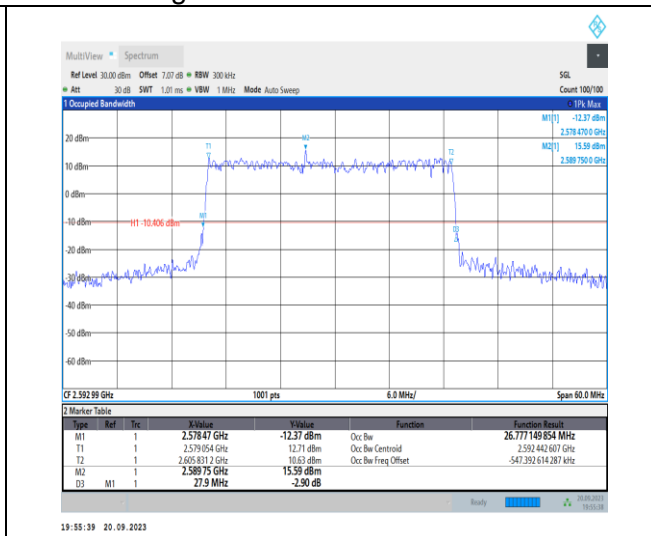
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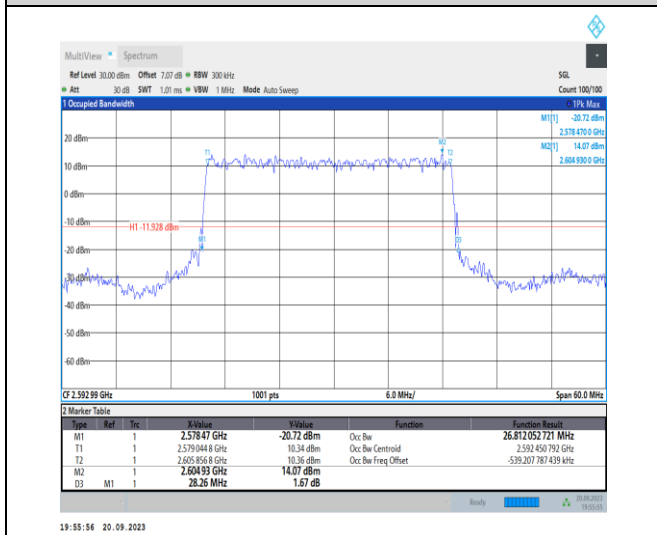
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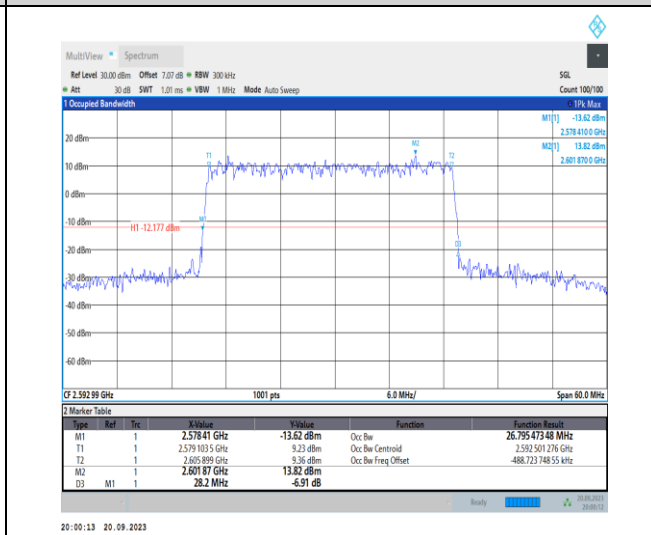
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1-N41-PC2-30-30-M-2-DFT-PI2BPSK-Outer\_Full-75@  
 0-Ant11-26.812-28.260-<math>\leq 30</math>-PASS



1-N41-PC2-30-30-M-3-DFT-16QAM-Outer\_Full-75@  
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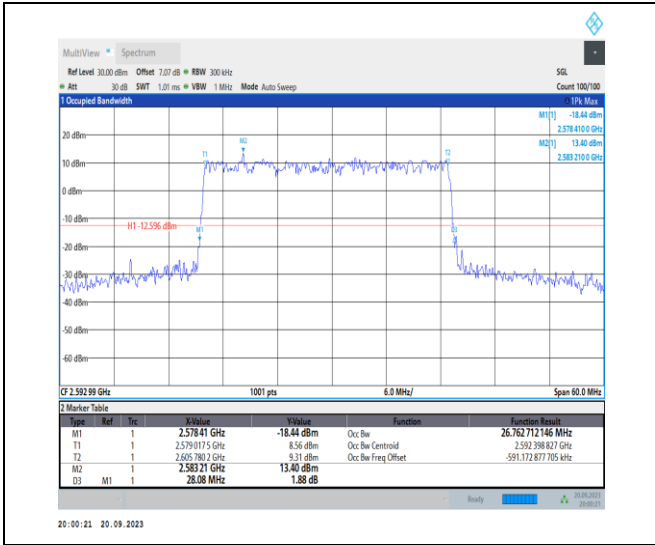


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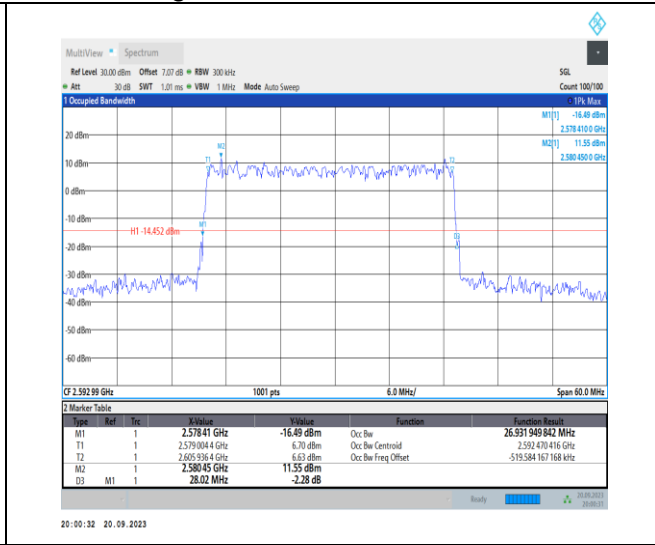
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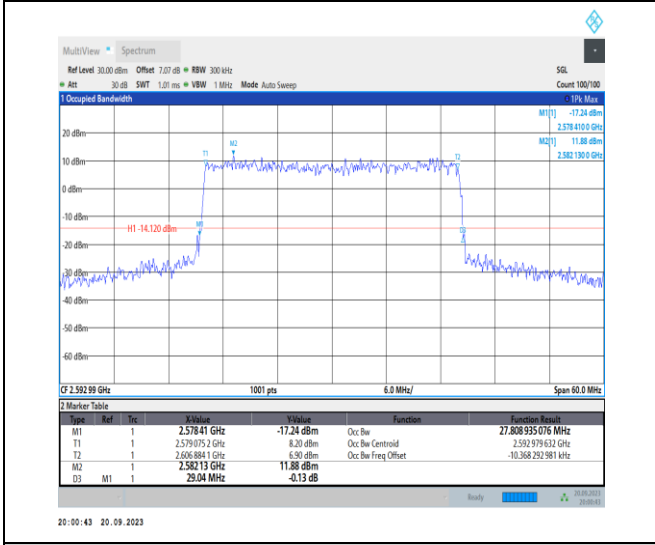




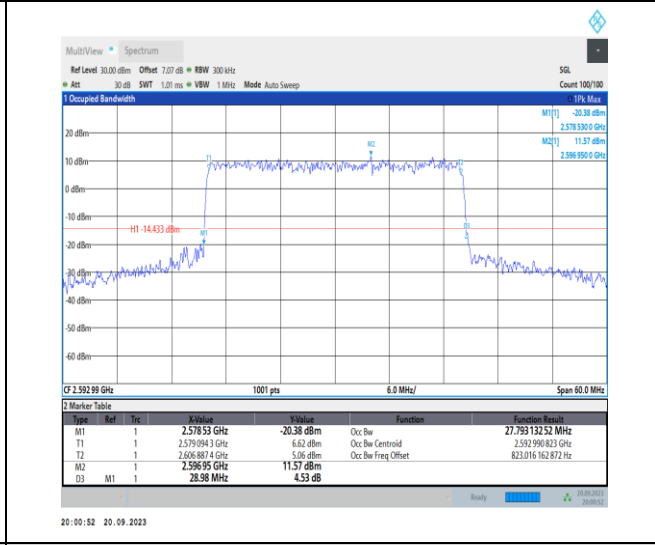
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1-N41-PC2-30-30-M-5-DFT-256QAM-Outer\_Full-75@0-Ant11-26.932-28.020-≤30-PASS



1-N41-PC2-30-30-M-6-CP-QPSK-Outer\_Full-78@0-Ant11-27.809-29.040-≤30-PASS

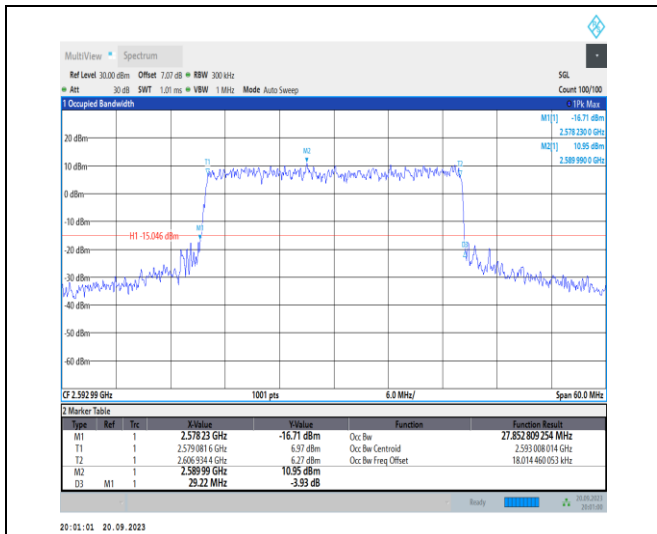


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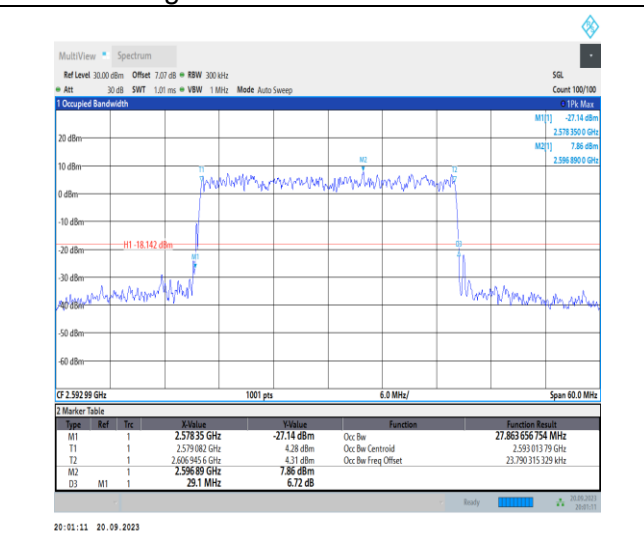


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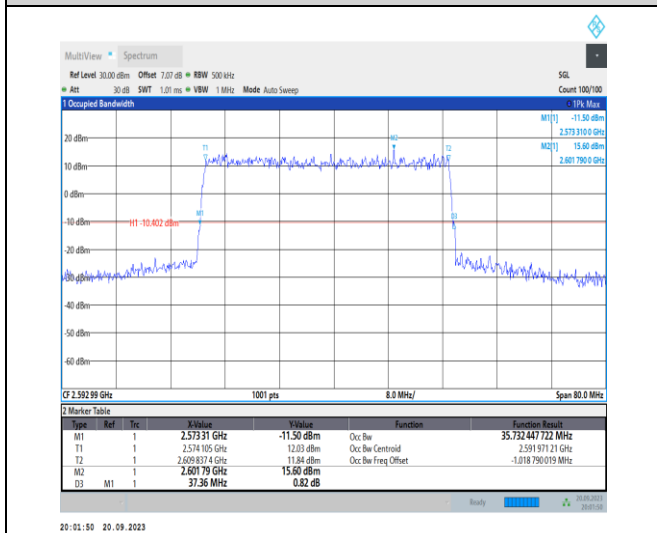
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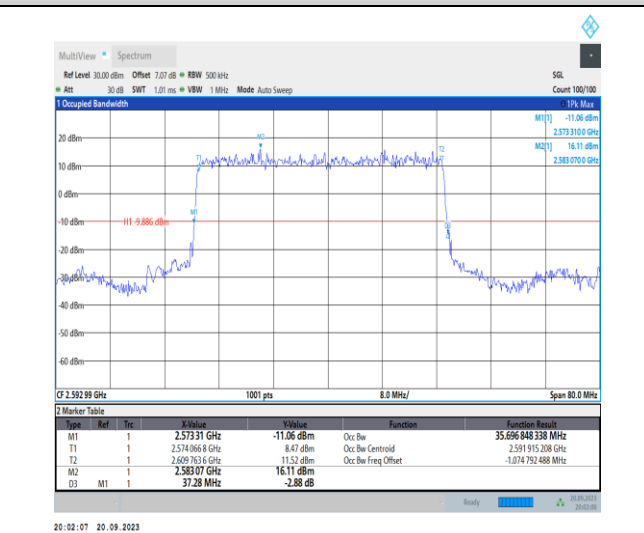
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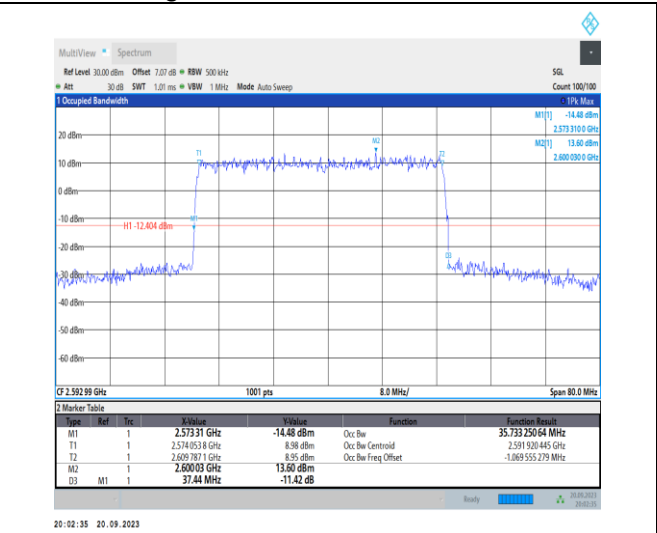
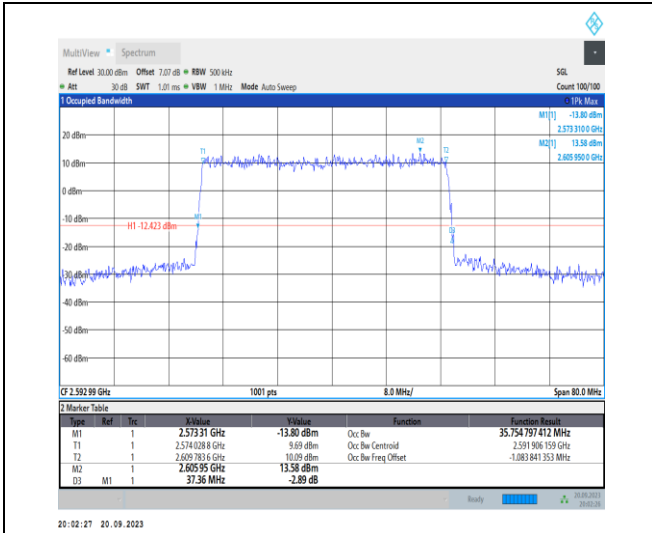
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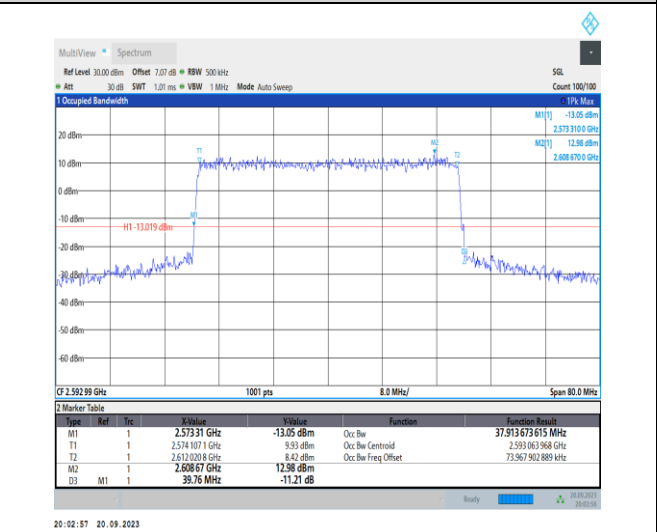
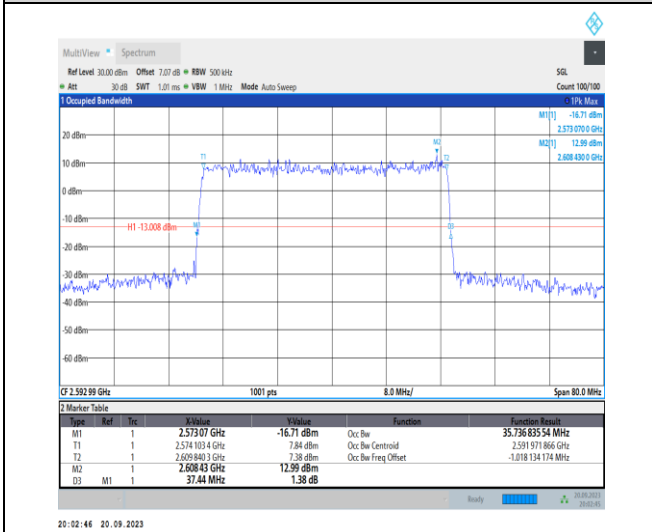
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1-N41-PC2-30-40-M-3-DFT-16QAM-Outer\_Full-100 @0-Ant11-35.755-37.360-≤40-PASS

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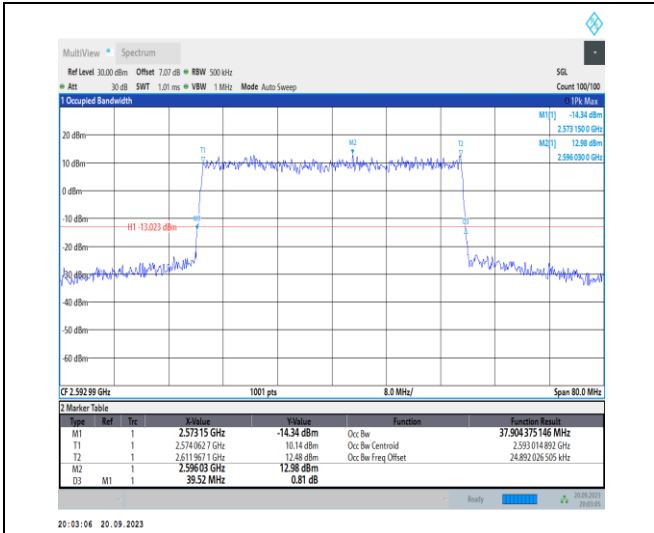
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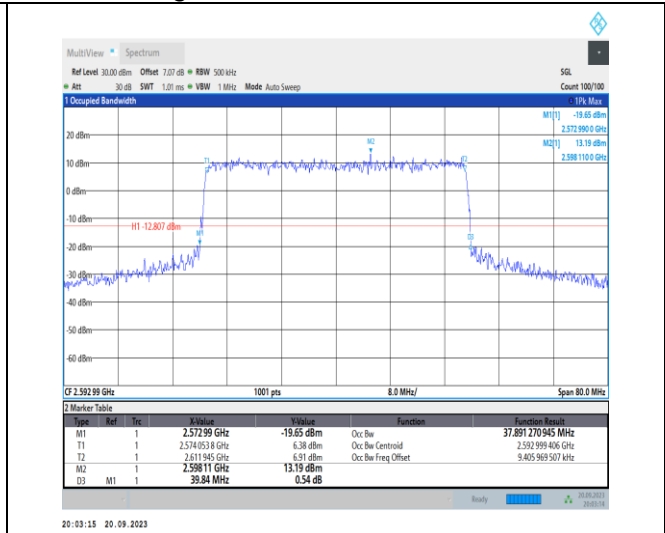


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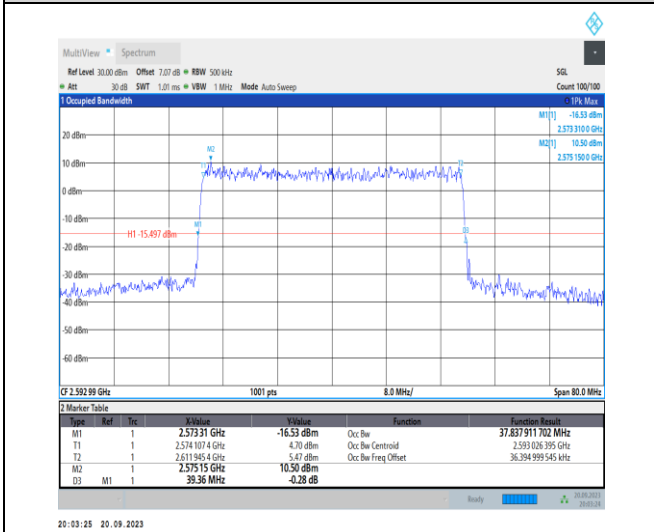
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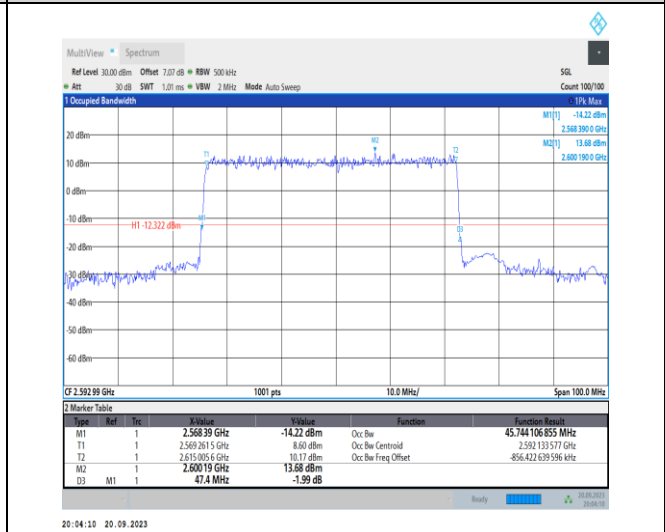
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0-Ant11-37.891-39.840-≤40-PASS



1-N41-PC2-30-40-M-9-CP-256QAM-Outer\_Full-106  
@0-Ant11-37.838-39.360-≤40-PASS



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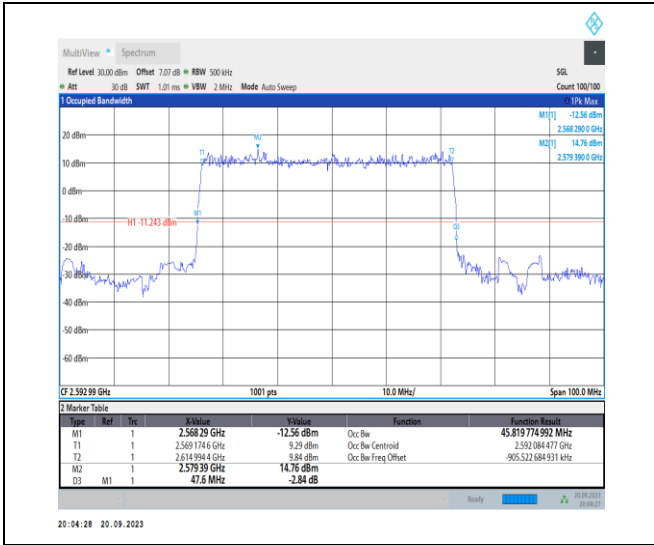


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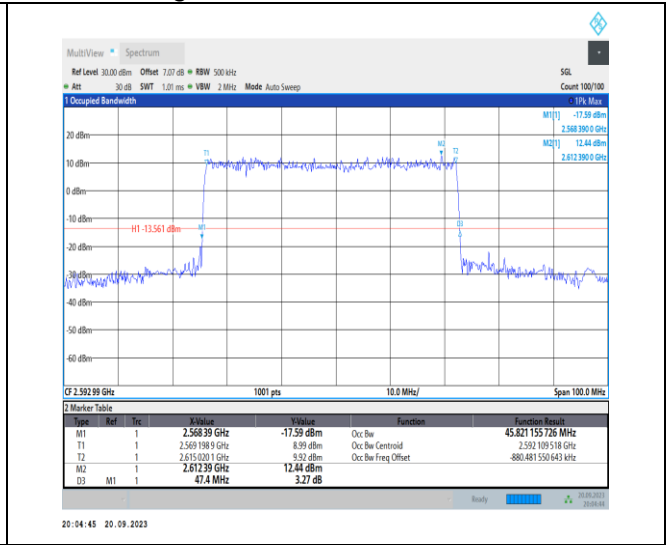
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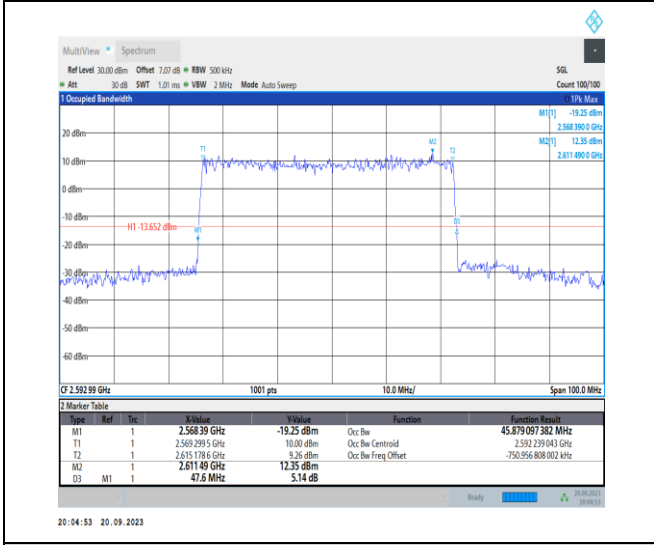
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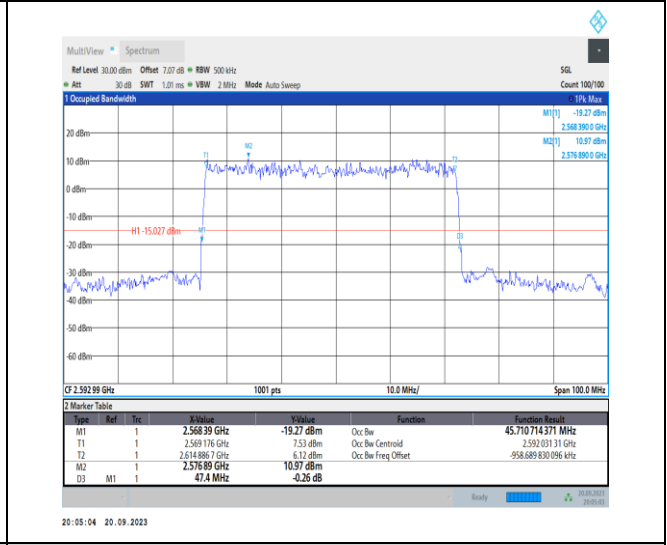
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@0-Ant11-45.821-47.400-≤50-PASS



1-N41-PC2-30-50-M-4-DFT-64QAM-Outer\_Full-128  
@0-Ant11-45.879-47.600-≤50-PASS



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@0-Ant11-45.711-47.400-≤50-PASS



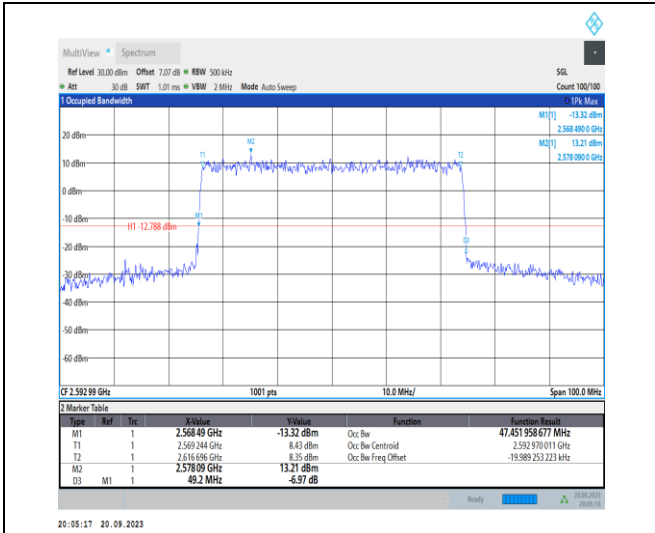
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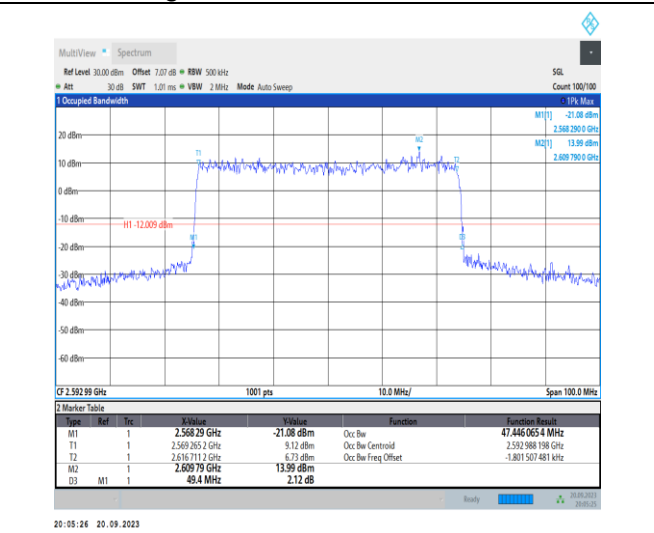
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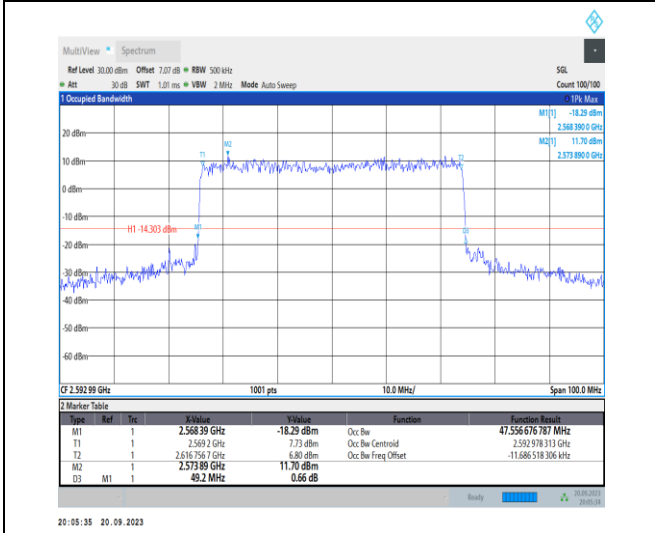




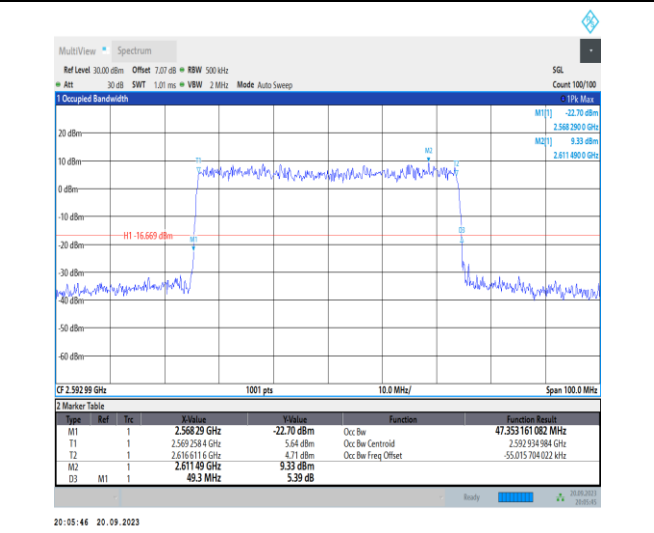
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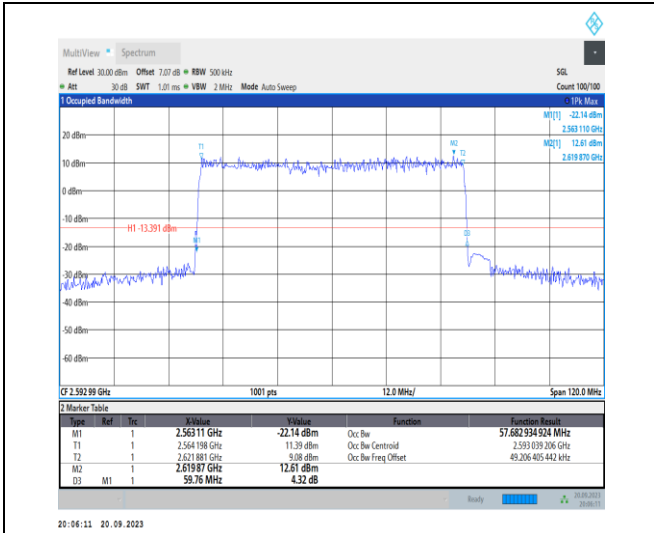


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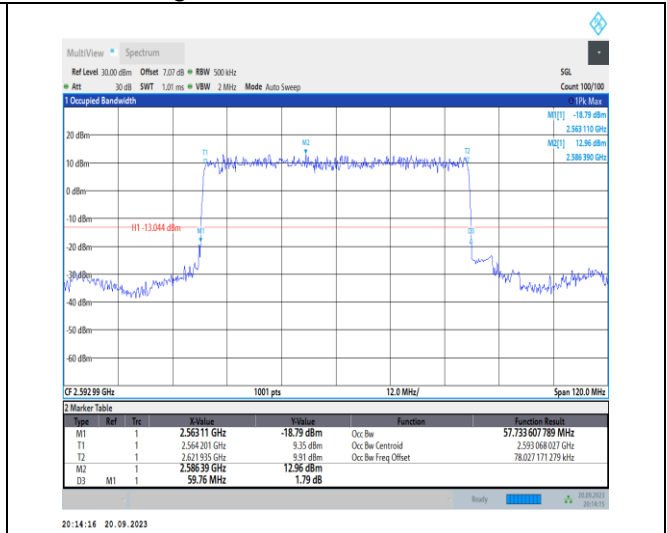
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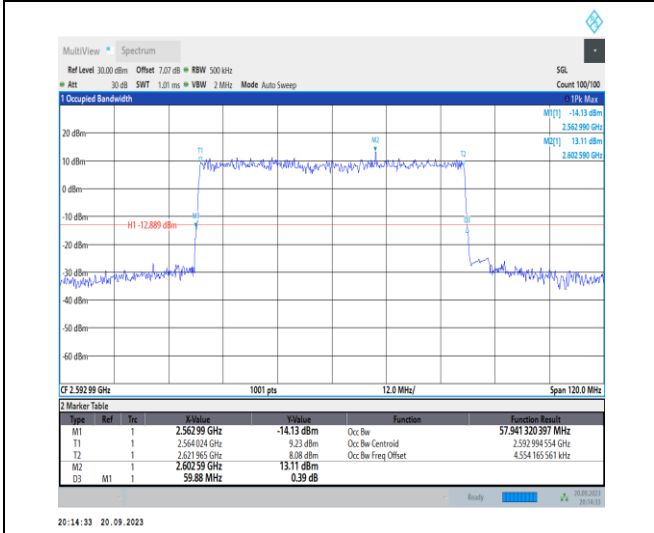
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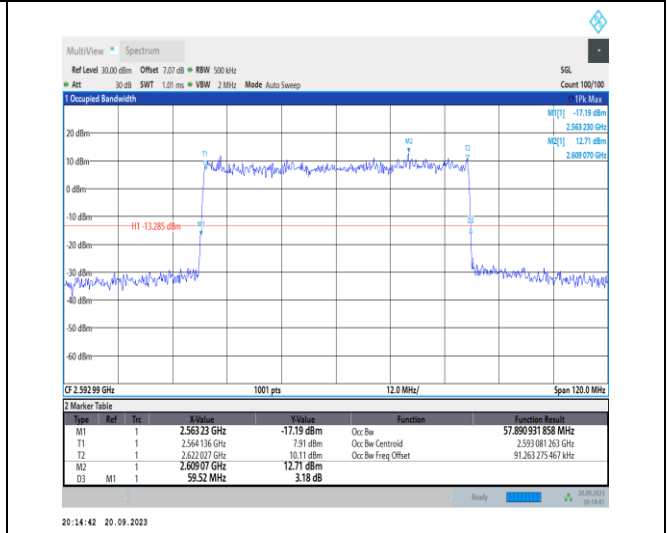
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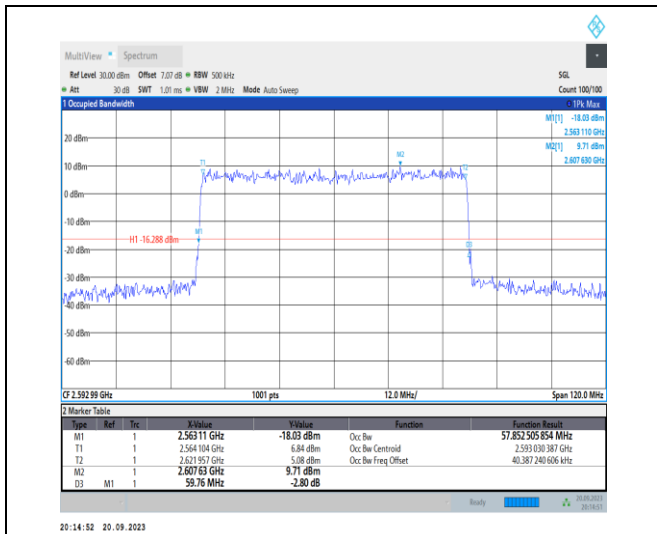


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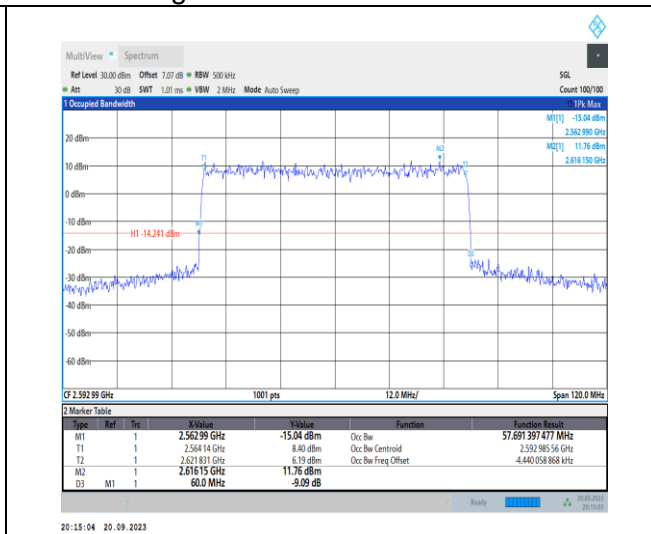
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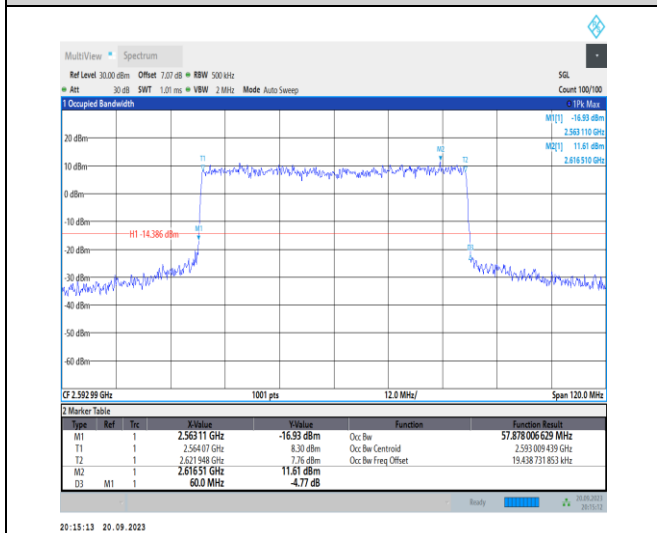
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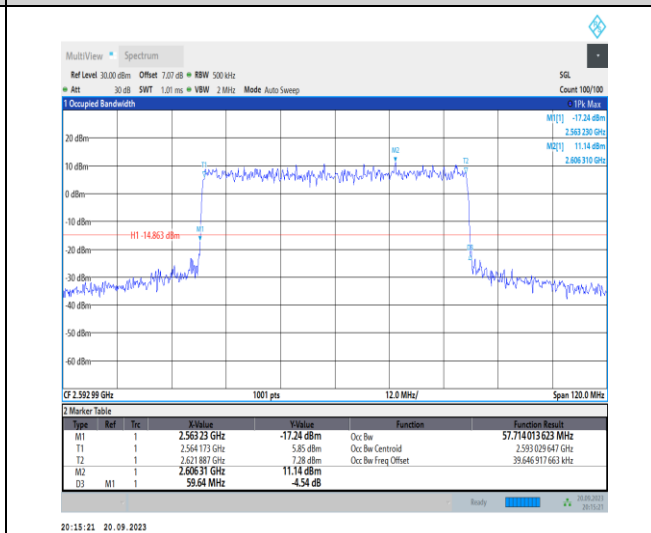
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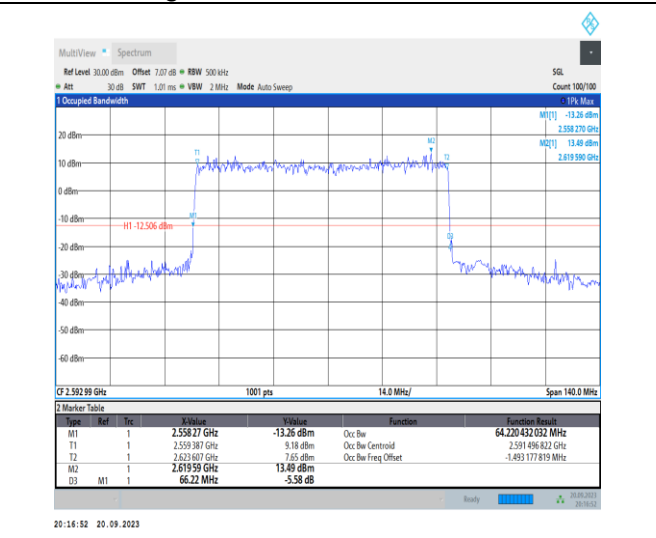
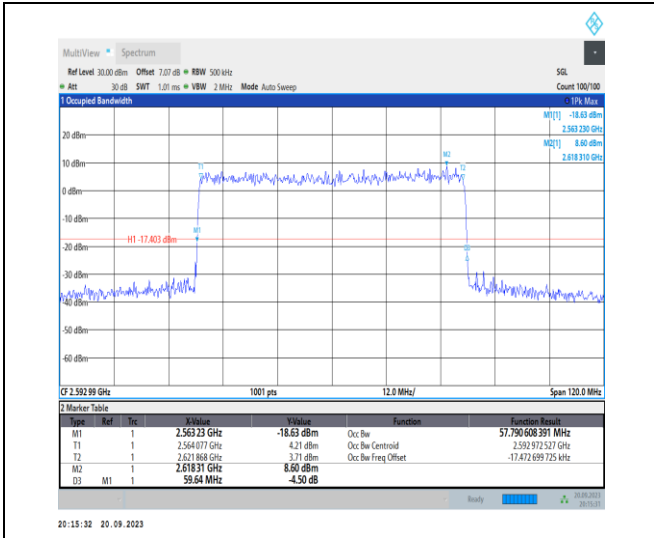
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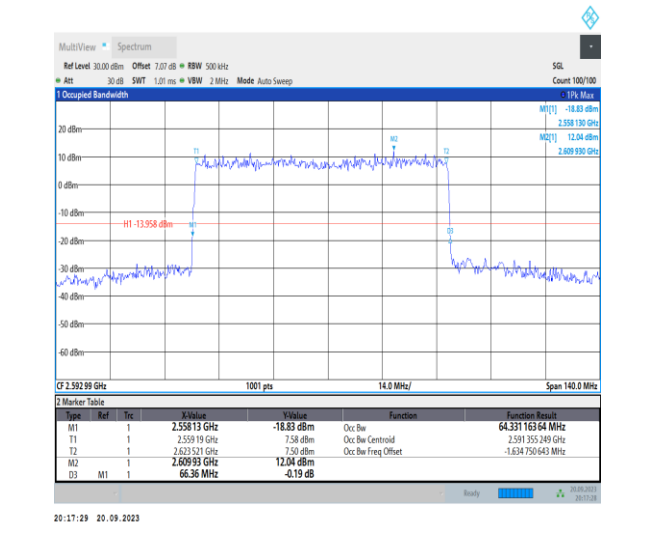
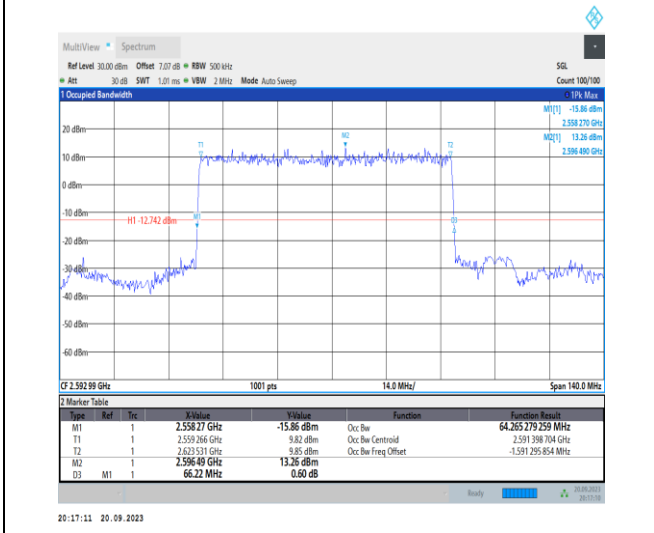
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1-N41-PC2-30-70-M-2-DFT-PI2BPSK-Outer\_Full-18 @0-Ant11-64.265-66.220-≤70-PASS

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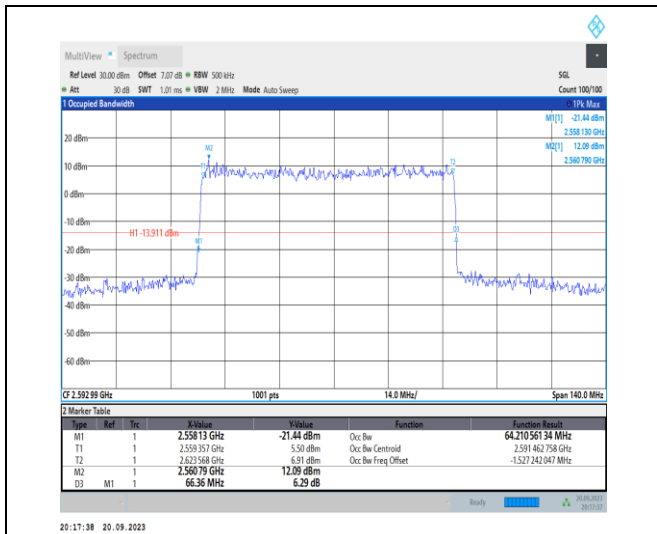


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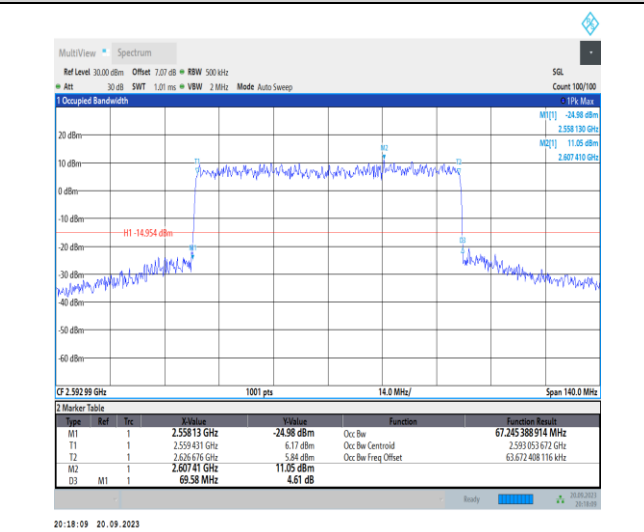
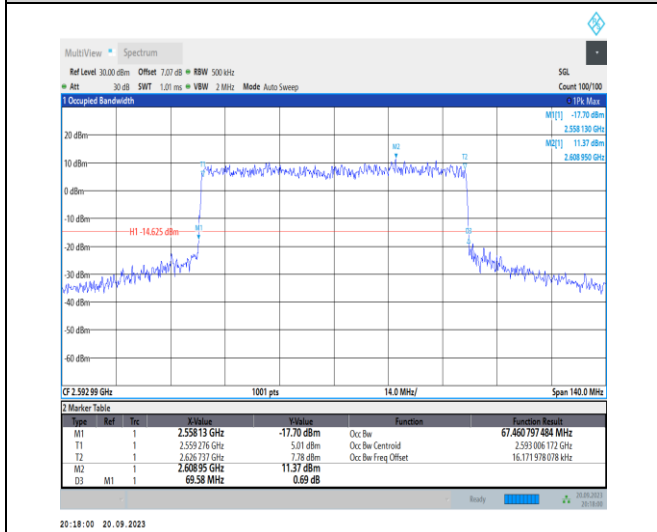
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1-N41-PC2-30-70-M-4-DFT-64QAM-Outer\_Full-180 @0-Ant11-64.211-66.360-≤70-PASS

1-N41-PC2-30-70-M-5-DFT-256QAM-Outer\_Full-180 @0-Ant11-64.377-66.360-≤70-PASS



1-N41-PC2-30-70-M-6-CP-QPSK-Outer\_Full-189@0 -Ant11-67.461-69.580-≤70-PASS

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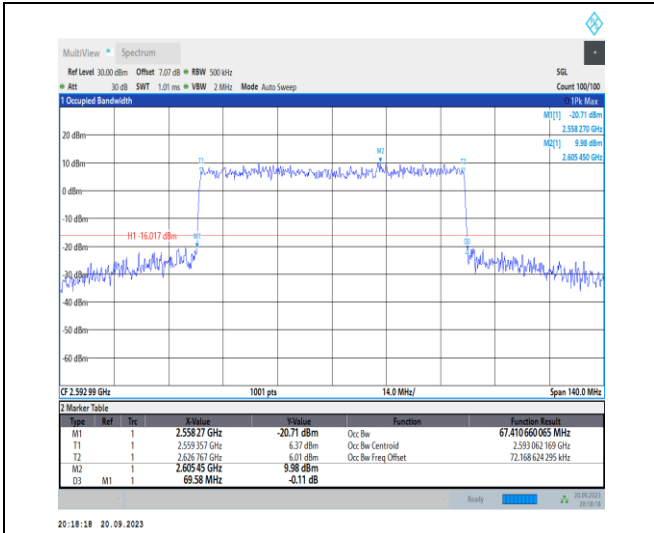


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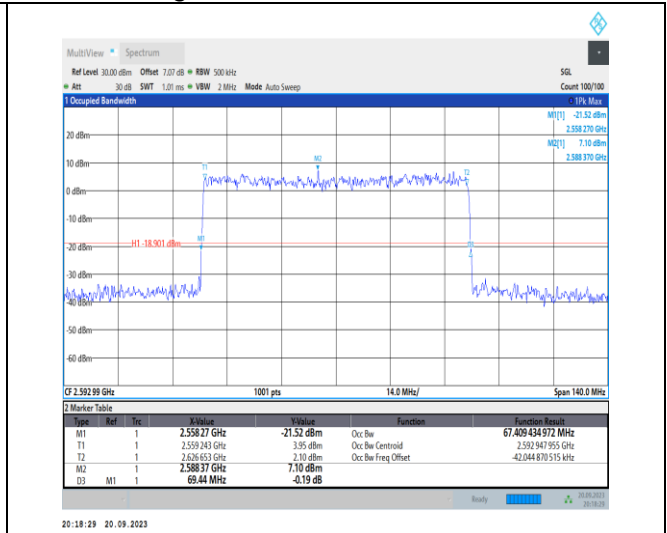
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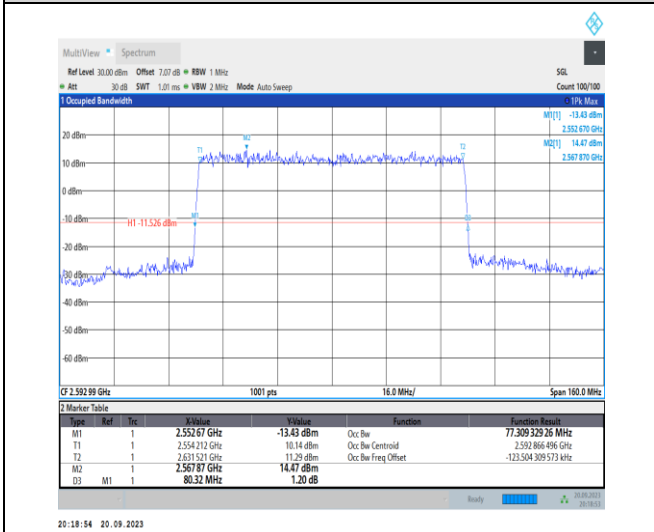




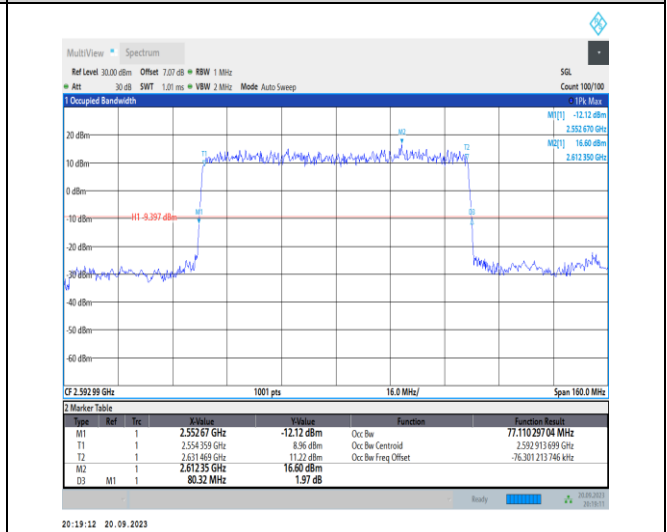
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1-N41-PC2-30-80-M-2-DFT-PI2BPSK-Outer\_Full-21  
6@0-Ant11-77.11-80.320-≤80-PASS



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