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Appendix B.23

NR Band n77(3700-3980)



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Effective (Isotropic) Radiated Power Output Data for

SEWM2307000261RG02

Test Result

Ant6:

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N77(3700-3980)	30	100	DFT-PI2BPSK	M	1RB1	27.07	29.67	30	PASS
N77(3700-3980)	30	100	DFT-PI2BPSK	M	1RB271	26.66	29.26	30	PASS
N77(3700-3980)	30	100	DFT-PI2BPSK	M	272RB0	25.92	28.52	30	PASS
N77(3700-3980)	30	100	DFT-QPSK	M	1RB1	27.19	29.79	30	PASS
N77(3700-3980)	30	100	DFT-QPSK	M	1RB271	26.92	29.52	30	PASS
N77(3700-3980)	30	100	DFT-QPSK	M	272RB0	25.83	28.43	30	PASS
N77(3700-3980)	30	100	DFT-16QAM	M	1RB1	26.37	28.97	30	PASS
N77(3700-3980)	30	100	DFT-64QAM	M	1RB1	24.89	27.49	30	PASS
N77(3700-3980)	30	100	DFT-256QAM	M	1RB1	22.77	25.37	30	PASS
N77(3700-3980)	30	100	CP-QPSK	M	1RB1	25.11	27.71	30	PASS
N77(3700-3980)	30	90	DFT-QPSK	L	1RB1	26.88	29.48	30	PASS
N77(3700-3980)	30	90	DFT-16QAM	L	1RB1	25.41	28.01	30	PASS
N77(3700-3980)	30	90	DFT-QPSK	M	1RB1	26.67	29.27	30	PASS
N77(3700-3980)	30	90	DFT-16QAM	M	1RB1	25.88	28.48	30	PASS
N77(3700-3980)	30	90	DFT-QPSK	H	1RB1	26.85	29.45	30	PASS
N77(3700-3980)	30	90	DFT-16QAM	H	1RB1	25.70	28.30	30	PASS
N77(3700-3980)	30	80	DFT-QPSK	L	1RB1	26.74	29.34	30	PASS
N77(3700-3980)	30	80	DFT-16QAM	L	1RB1	25.42	28.02	30	PASS
N77(3700-3980)	30	80	DFT-QPSK	M	1RB1	26.80	29.40	30	PASS
N77(3700-3980)	30	80	DFT-16QAM	M	1RB1	25.80	28.40	30	PASS
N77(3700-3980)	30	80	DFT-QPSK	H	1RB1	26.84	29.44	30	PASS
N77(3700-3980)	30	80	DFT-16QAM	H	1RB1	25.46	28.06	30	PASS
N77(3700-3980)	30	70	DFT-QPSK	L	1RB1	26.89	29.49	30	PASS
N77(3700-3980)	30	70	DFT-16QAM	L	1RB1	25.69	28.29	30	PASS
N77(3700-3980)	30	70	DFT-QPSK	M	1RB1	26.78	29.38	30	PASS
N77(3700-3980)	30	70	DFT-16QAM	M	1RB1	25.56	28.16	30	PASS
N77(3700-3980)	30	70	DFT-QPSK	H	1RB1	26.89	29.49	30	PASS
N77(3700-3980)	30	70	DFT-16QAM	H	1RB1	25.57	28.17	30	PASS



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N77(3700-3980)	30	60	DFT-QPSK	L	1RB1	26.79	29.39	30	PASS
N77(3700-3980)	30	60	DFT-16QAM	L	1RB1	25.75	28.35	30	PASS
N77(3700-3980)	30	60	DFT-QPSK	M	1RB1	26.87	29.47	30	PASS
N77(3700-3980)	30	60	DFT-16QAM	M	1RB1	25.68	28.28	30	PASS
N77(3700-3980)	30	60	DFT-QPSK	H	1RB1	26.72	29.32	30	PASS
N77(3700-3980)	30	60	DFT-16QAM	H	1RB1	25.54	28.14	30	PASS
N77(3700-3980)	30	50	DFT-QPSK	L	1RB1	26.84	29.44	30	PASS
N77(3700-3980)	30	50	DFT-16QAM	L	1RB1	25.34	27.94	30	PASS
N77(3700-3980)	30	50	DFT-QPSK	M	1RB1	26.89	29.49	30	PASS
N77(3700-3980)	30	50	DFT-16QAM	M	1RB1	25.44	28.04	30	PASS
N77(3700-3980)	30	50	DFT-QPSK	H	1RB1	26.69	29.29	30	PASS
N77(3700-3980)	30	50	DFT-16QAM	H	1RB1	25.62	28.22	30	PASS
N77(3700-3980)	30	40	DFT-QPSK	L	1RB1	26.98	29.58	30	PASS
N77(3700-3980)	30	40	DFT-16QAM	L	1RB1	25.59	28.19	30	PASS
N77(3700-3980)	30	40	DFT-QPSK	M	1RB1	26.67	29.27	30	PASS
N77(3700-3980)	30	40	DFT-16QAM	M	1RB1	25.87	28.47	30	PASS
N77(3700-3980)	30	40	DFT-QPSK	H	1RB1	26.82	29.42	30	PASS
N77(3700-3980)	30	40	DFT-16QAM	H	1RB1	25.73	28.33	30	PASS
N77(3700-3980)	30	30	DFT-QPSK	L	1RB1	26.65	29.25	30	PASS
N77(3700-3980)	30	30	DFT-16QAM	L	1RB1	25.58	28.18	30	PASS
N77(3700-3980)	30	30	DFT-QPSK	M	1RB1	26.86	29.46	30	PASS
N77(3700-3980)	30	30	DFT-16QAM	M	1RB1	25.59	28.19	30	PASS
N77(3700-3980)	30	30	DFT-QPSK	H	1RB1	26.70	29.30	30	PASS
N77(3700-3980)	30	30	DFT-16QAM	H	1RB1	25.77	28.37	30	PASS
N77(3700-3980)	30	20	DFT-QPSK	L	1RB1	26.77	29.37	30	PASS
N77(3700-3980)	30	20	DFT-16QAM	L	1RB1	25.58	28.18	30	PASS
N77(3700-3980)	30	20	DFT-QPSK	M	1RB1	27.00	29.60	30	PASS
N77(3700-3980)	30	20	DFT-16QAM	M	1RB1	25.74	28.34	30	PASS
N77(3700-3980)	30	20	DFT-QPSK	H	1RB1	26.68	29.28	30	PASS
N77(3700-3980)	30	20	DFT-16QAM	H	1RB1	25.49	28.09	30	PASS
N77(3700-3980)	30	15	DFT-QPSK	L	1RB1	26.67	29.27	30	PASS
N77(3700-3980)	30	15	DFT-16QAM	L	1RB1	25.46	28.06	30	PASS
N77(3700-3980)	30	15	DFT-QPSK	M	1RB1	26.82	29.42	30	PASS
N77(3700-3980)	30	15	DFT-16QAM	M	1RB1	25.79	28.39	30	PASS
N77(3700-3980)	30	15	DFT-QPSK	H	1RB1	26.85	29.45	30	PASS
N77(3700-3980)	30	15	DFT-16QAM	H	1RB1	25.33	27.93	30	PASS
N77(3700-3980)	30	10	DFT-QPSK	L	1RB1	26.71	29.31	30	PASS



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N77(3700-3980)	30	10	DFT-16QAM	L	1RB1	25.43	28.03	30	PASS
N77(3700-3980)	30	10	DFT-QPSK	M	1RB1	26.64	29.24	30	PASS
N77(3700-3980)	30	10	DFT-16QAM	M	1RB1	26.00	28.60	30	PASS
N77(3700-3980)	30	10	DFT-QPSK	H	1RB1	26.84	29.44	30	PASS
N77(3700-3980)	30	10	DFT-16QAM	H	1RB1	25.62	28.22	30	PASS



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Effective (Isotropic) Radiated Power Output Data for

SEWM2309000395RG02

Test Result

Ant6:

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N77(3700-3980)	30	100	DFT-PI2BPSK	L	1RB1	26.99	29.59	30	PASS
N77(3700-3980)	30	100	DFT-PI2BPSK	L	1RB271	26.57	29.17	30	PASS
N77(3700-3980)	30	100	DFT-PI2BPSK	L	272RB0	25.87	28.47	30	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	9.16	≤13	PASS
N77-3700-3980	30	100	CP-256QAM	L	Outer_Full	9.79	≤13	PASS
N77-3700-3980	30	100	DFT-256QAM	M	Outer_Full	9.51	≤13	PASS
N77-3700-3980	30	100	CP-256QAM	M	Outer_Full	9.77	≤13	PASS
N77-3700-3980	30	100	DFT-256QAM	H	Outer_Full	9.48	≤13	PASS
N77-3700-3980	30	100	CP-256QAM	H	Outer_Full	9.34	≤13	PASS



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Test Graphs

<p>1-N77-3700-3980-PC2-30-100-L-1-DFT-256QAM-Outer_Full-270@0-Ant1-9.16-100%-0.00-9.16-PASS-≤1</p> <p style="text-align: center;">3</p>	<p>1-N77-3700-3980-PC2-30-100-L-2-CP-256QAM-Outer_Full-273@0-Ant1-9.79-100%-0.00-9.79-PASS-≤1</p> <p style="text-align: center;">3</p>
<p>1-N77-3700-3980-PC2-30-100-M-1-DFT-256QAM-Outer_Full-270@0-Ant1-9.51-100%-0.00-9.51-PASS-≤1</p> <p style="text-align: center;">13</p>	<p>1-N77-3700-3980-PC2-30-100-M-2-CP-256QAM-Outer_Full-273@0-Ant1-9.77-100%-0.00-9.77-PASS-≤1</p> <p style="text-align: center;">3</p>

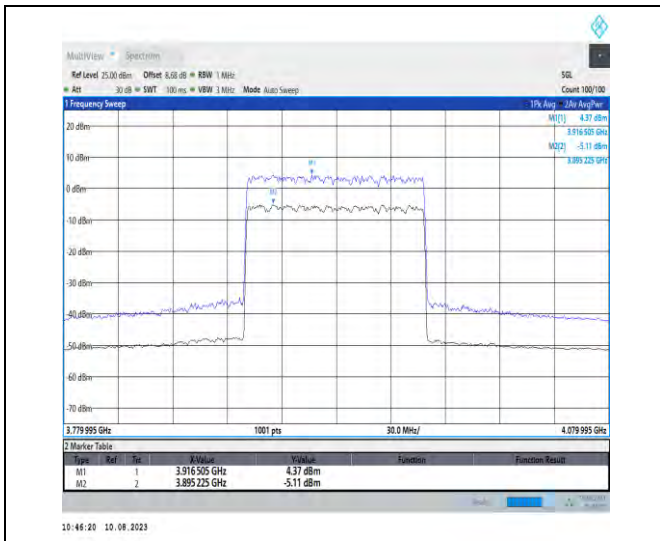


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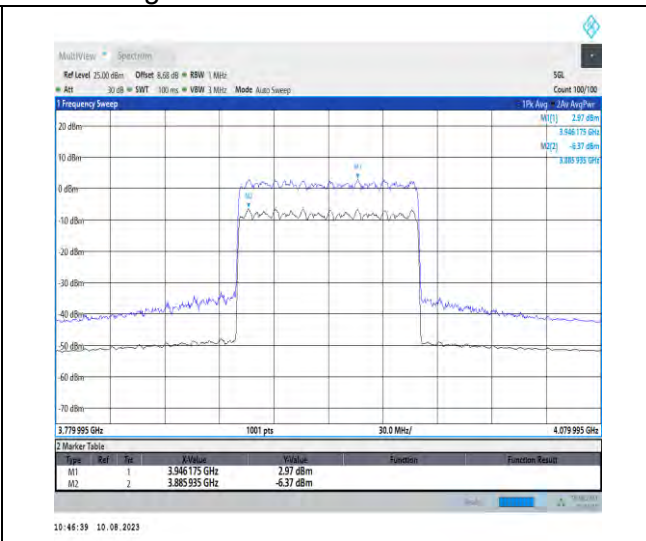
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 ter_Full-270@0-Ant1-9.48-100%-0.00-9.48-PASS-≤1

3



1-N77-3700-3980-PC2-30-100-H-2-CP-256QAM-Ou
 ter_Full-273@0-Ant1-9.34-100%-0.00-9.34-PASS-≤1

3



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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	8.547	9.460	PASS
N77-3700-3980	30	10	DFT-PI2BPSK	M	Outer_Full	8.601	9.340	PASS
N77-3700-3980	30	10	DFT-16QAM	M	Outer_Full	8.606	9.840	PASS
N77-3700-3980	30	10	DFT-64QAM	M	Outer_Full	8.57	9.440	PASS
N77-3700-3980	30	10	DFT-256QAM	M	Outer_Full	8.566	9.460	PASS
N77-3700-3980	30	10	CP-QPSK	M	Outer_Full	8.592	10.080	PASS
N77-3700-3980	30	10	CP-16QAM	M	Outer_Full	8.58	9.640	PASS
N77-3700-3980	30	10	CP-64QAM	M	Outer_Full	8.616	9.500	PASS
N77-3700-3980	30	10	CP-256QAM	M	Outer_Full	8.601	9.700	PASS
N77-3700-3980	30	15	DFT-QPSK	M	Outer_Full	12.895	14.220	PASS
N77-3700-3980	30	15	DFT-PI2BPSK	M	Outer_Full	12.854	14.220	PASS
N77-3700-3980	30	15	DFT-16QAM	M	Outer_Full	12.904	14.430	PASS
N77-3700-3980	30	15	DFT-64QAM	M	Outer_Full	12.858	13.920	PASS
N77-3700-3980	30	15	DFT-256QAM	M	Outer_Full	12.795	13.980	PASS
N77-3700-3980	30	15	CP-QPSK	M	Outer_Full	13.615	14.910	PASS
N77-3700-3980	30	15	CP-16QAM	M	Outer_Full	13.647	14.910	PASS
N77-3700-3980	30	15	CP-64QAM	M	Outer_Full	13.624	15.090	PASS
N77-3700-3980	30	15	CP-256QAM	M	Outer_Full	13.55	14.700	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	17.896	19.040	PASS
N77-3700-3980	30	20	DFT-PI2BPSK	M	Outer_Full	17.732	19.320	PASS
N77-3700-3980	30	20	DFT-16QAM	M	Outer_Full	17.886	19.280	PASS
N77-3700-3980	30	20	DFT-64QAM	M	Outer_Full	17.925	19.240	PASS
N77-3700-3980	30	20	DFT-256QAM	M	Outer_Full	17.8	19.160	PASS
N77-3700-3980	30	20	CP-QPSK	M	Outer_Full	18.214	19.920	PASS
N77-3700-3980	30	20	CP-16QAM	M	Outer_Full	18.266	19.800	PASS
N77-3700-3980	30	20	CP-64QAM	M	Outer_Full	18.225	19.520	PASS
N77-3700-3980	30	20	CP-256QAM	M	Outer_Full	18.22	19.240	PASS
N77-3700-3980	30	30	DFT-QPSK	M	Outer_Full	26.714	28.020	PASS
N77-3700-3980	30	30	DFT-PI2BPSK	M	Outer_Full	26.793	28.380	PASS
N77-3700-3980	30	30	DFT-16QAM	M	Outer_Full	26.809	27.840	PASS



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N77-3700-3980	30	30	DFT-64QAM	M	Outer_Full	26.742	28.320	PASS
N77-3700-3980	30	30	DFT-256QAM	M	Outer_Full	26.741	28.080	PASS
N77-3700-3980	30	30	CP-QPSK	M	Outer_Full	27.907	29.340	PASS
N77-3700-3980	30	30	CP-16QAM	M	Outer_Full	27.849	29.640	PASS
N77-3700-3980	30	30	CP-64QAM	M	Outer_Full	27.875	29.460	PASS
N77-3700-3980	30	30	CP-256QAM	M	Outer_Full	27.882	29.040	PASS
N77-3700-3980	30	40	DFT-QPSK	M	Outer_Full	35.795	37.680	PASS
N77-3700-3980	30	40	DFT-PI2BPSK	M	Outer_Full	35.769	37.520	PASS
N77-3700-3980	30	40	DFT-16QAM	M	Outer_Full	35.821	37.520	PASS
N77-3700-3980	30	40	DFT-64QAM	M	Outer_Full	35.827	37.520	PASS
N77-3700-3980	30	40	DFT-256QAM	M	Outer_Full	35.838	37.200	PASS
N77-3700-3980	30	40	CP-QPSK	M	Outer_Full	37.86	39.520	PASS
N77-3700-3980	30	40	CP-16QAM	M	Outer_Full	37.859	39.760	PASS
N77-3700-3980	30	40	CP-64QAM	M	Outer_Full	37.918	40.080	PASS
N77-3700-3980	30	40	CP-256QAM	M	Outer_Full	37.789	39.920	PASS
N77-3700-3980	30	50	DFT-QPSK	M	Outer_Full	45.759	47.800	PASS
N77-3700-3980	30	50	DFT-PI2BPSK	M	Outer_Full	45.745	47.600	PASS
N77-3700-3980	30	50	DFT-16QAM	M	Outer_Full	45.565	47.400	PASS
N77-3700-3980	30	50	DFT-64QAM	M	Outer_Full	45.85	47.800	PASS
N77-3700-3980	30	50	DFT-256QAM	M	Outer_Full	45.629	47.800	PASS
N77-3700-3980	30	50	CP-QPSK	M	Outer_Full	47.48	49.800	PASS
N77-3700-3980	30	50	CP-16QAM	M	Outer_Full	47.346	49.000	PASS
N77-3700-3980	30	50	CP-64QAM	M	Outer_Full	47.555	49.100	PASS
N77-3700-3980	30	50	CP-256QAM	M	Outer_Full	47.509	49.800	PASS
N77-3700-3980	30	60	DFT-QPSK	M	Outer_Full	57.73	60.000	PASS
N77-3700-3980	30	60	DFT-PI2BPSK	M	Outer_Full	57.826	59.880	PASS
N77-3700-3980	30	60	DFT-16QAM	M	Outer_Full	57.881	59.760	PASS
N77-3700-3980	30	60	DFT-64QAM	M	Outer_Full	57.887	60.000	PASS
N77-3700-3980	30	60	DFT-256QAM	M	Outer_Full	57.786	60.120	PASS
N77-3700-3980	30	60	CP-QPSK	M	Outer_Full	57.95	60.120	PASS
N77-3700-3980	30	60	CP-16QAM	M	Outer_Full	57.795	59.880	PASS
N77-3700-3980	30	60	CP-64QAM	M	Outer_Full	57.983	59.640	PASS
N77-3700-3980	30	60	CP-256QAM	M	Outer_Full	57.815	59.760	PASS
N77-3700-3980	30	70	DFT-QPSK	M	Outer_Full	64.306	66.640	PASS
N77-3700-3980	30	70	DFT-PI2BPSK	M	Outer_Full	64.491	66.640	PASS
N77-3700-3980	30	70	DFT-16QAM	M	Outer_Full	64.122	66.220	PASS
N77-3700-3980	30	70	DFT-64QAM	M	Outer_Full	64.192	66.780	PASS



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N77-3700-3980	30	70	DFT-256QAM	M	Outer_Full	64.007	66.640	PASS
N77-3700-3980	30	70	CP-QPSK	M	Outer_Full	67.465	69.580	PASS
N77-3700-3980	30	70	CP-16QAM	M	Outer_Full	67.224	69.440	PASS
N77-3700-3980	30	70	CP-64QAM	M	Outer_Full	67.33	69.440	PASS
N77-3700-3980	30	70	CP-256QAM	M	Outer_Full	67.039	69.580	PASS
N77-3700-3980	30	80	DFT-QPSK	M	Outer_Full	77.141	80.480	PASS
N77-3700-3980	30	80	DFT-PI2BPSK	M	Outer_Full	77.163	80.320	PASS
N77-3700-3980	30	80	DFT-16QAM	M	Outer_Full	77.09	80.640	PASS
N77-3700-3980	30	80	DFT-64QAM	M	Outer_Full	77.193	80.320	PASS
N77-3700-3980	30	80	DFT-256QAM	M	Outer_Full	77.012	80.480	PASS
N77-3700-3980	30	80	CP-QPSK	M	Outer_Full	77.513	80.640	PASS
N77-3700-3980	30	80	CP-16QAM	M	Outer_Full	77.575	80.640	PASS
N77-3700-3980	30	80	CP-64QAM	M	Outer_Full	77.548	80.800	PASS
N77-3700-3980	30	80	CP-256QAM	M	Outer_Full	77.496	80.640	PASS
N77-3700-3980	30	90	DFT-QPSK	M	Outer_Full	85.7	89.100	PASS
N77-3700-3980	30	90	DFT-PI2BPSK	M	Outer_Full	85.736	89.280	PASS
N77-3700-3980	30	90	DFT-16QAM	M	Outer_Full	85.57	88.920	PASS
N77-3700-3980	30	90	DFT-64QAM	M	Outer_Full	85.826	88.920	PASS
N77-3700-3980	30	90	DFT-256QAM	M	Outer_Full	85.571	89.100	PASS
N77-3700-3980	30	90	CP-QPSK	M	Outer_Full	87.486	90.720	PASS
N77-3700-3980	30	90	CP-16QAM	M	Outer_Full	87.419	90.900	PASS
N77-3700-3980	30	90	CP-64QAM	M	Outer_Full	87.367	90.900	PASS
N77-3700-3980	30	90	CP-256QAM	M	Outer_Full	87.325	90.720	PASS
N77-3700-3980	30	100	DFT-QPSK	M	Outer_Full	96.156	99.800	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	96.386	99.800	PASS
N77-3700-3980	30	100	DFT-16QAM	M	Outer_Full	96.55	99.800	PASS
N77-3700-3980	30	100	DFT-64QAM	M	Outer_Full	96.131	99.800	PASS
N77-3700-3980	30	100	DFT-256QAM	M	Outer_Full	96.531	99.800	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	97.45	100.600	PASS
N77-3700-3980	30	100	CP-16QAM	M	Outer_Full	97.269	100.800	PASS
N77-3700-3980	30	100	CP-64QAM	M	Outer_Full	97.468	101.000	PASS
N77-3700-3980	30	100	CP-256QAM	M	Outer_Full	97.399	101.000	PASS



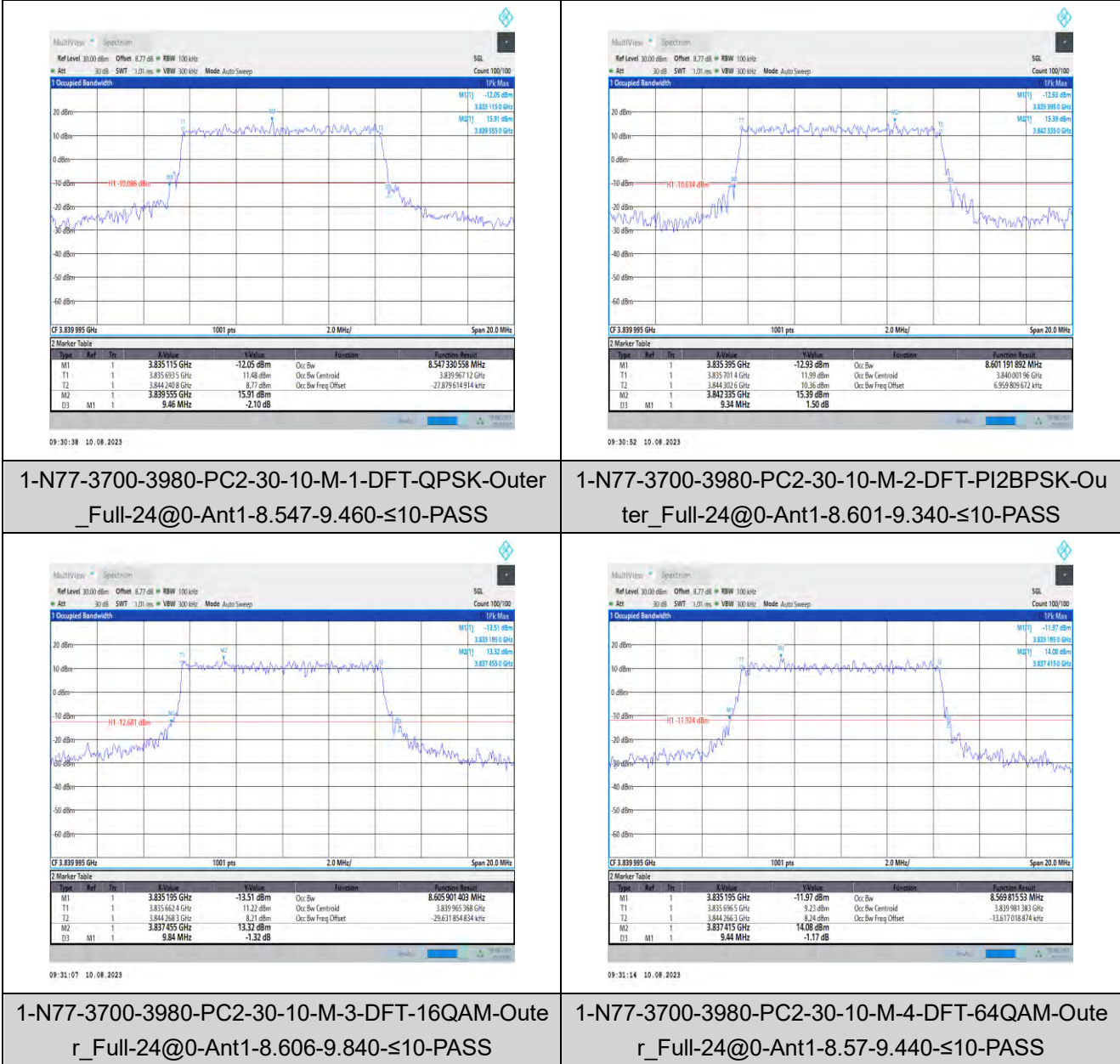
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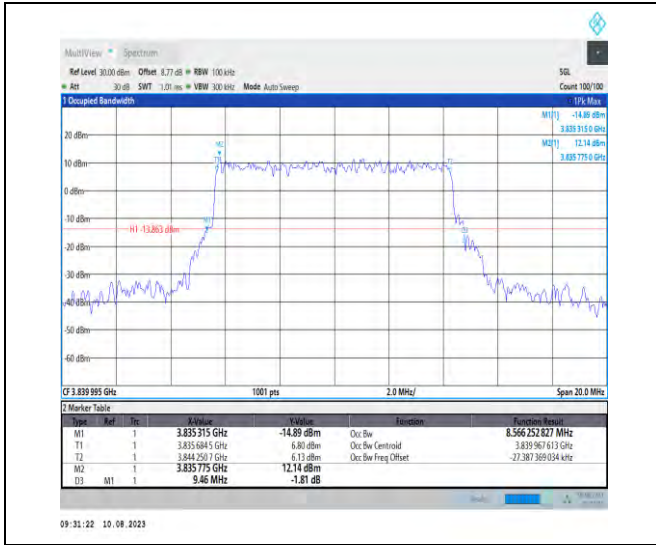
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Test Graphs





1-N77-3700-3980-PC2-30-10-M-5-DFT-256QAM-Out_Full-24@0-Ant1-8.566-9.460-≤10-PASS



1-N77-3700-3980-PC2-30-10-M-6-CP-QPSK-Outer_Full-24@0-Ant1-8.592-10.080-≤10-PASS



1-N77-3700-3980-PC2-30-10-M-7-CP-16QAM-Outer_Full-24@0-Ant1-8.58-9.640-≤10-PASS



1-N77-3700-3980-PC2-30-10-M-8-CP-64QAM-Outer_Full-24@0-Ant1-8.616-9.500-≤10-PASS



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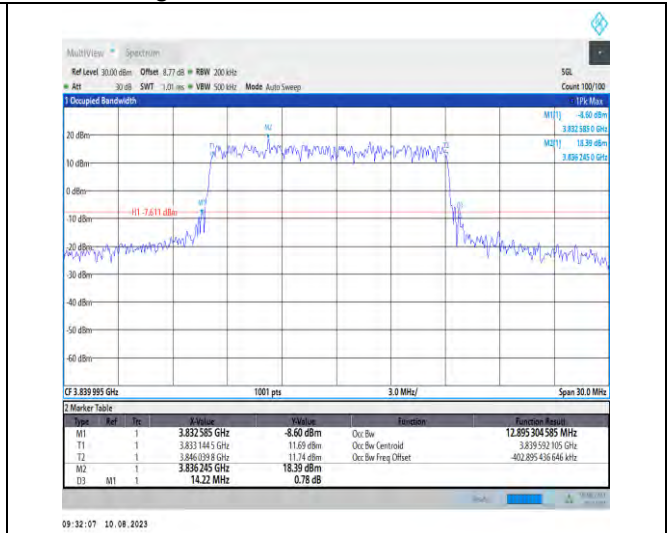
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1-N77-3700-3980-PC2-30-10-M-9-CP-256QAM-Out er_Full-24@0-Ant1-8.601-9.700-≤10-PASS



1-N77-3700-3980-PC2-30-15-M-1-DFT-QPSK-Outer_Full-36@0-Ant1-12.895-14.220-≤15-PASS



1-N77-3700-3980-PC2-30-15-M-2-DFT-PI2BPSK-Outer_Full-36@0-Ant1-12.854-14.220-≤15-PASS



1-N77-3700-3980-PC2-30-15-M-3-DFT-16QAM-Outer_Full-36@0-Ant1-12.904-14.430-≤15-PASS

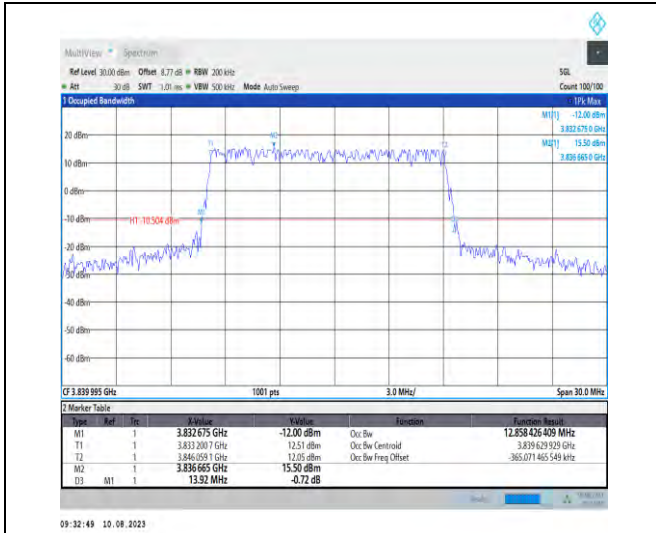


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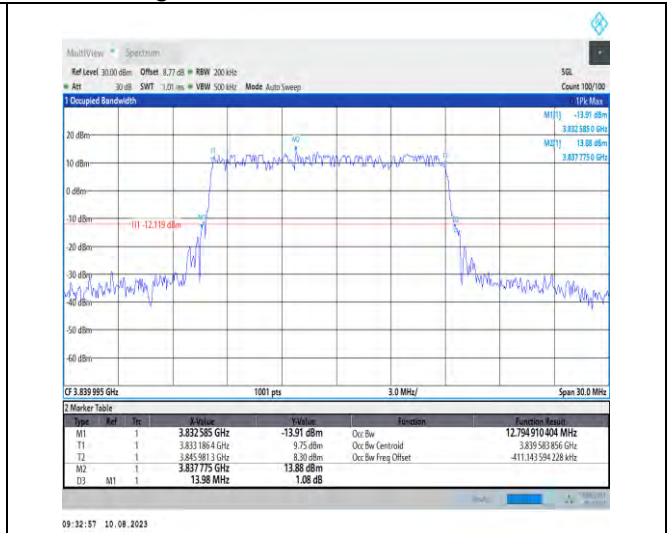
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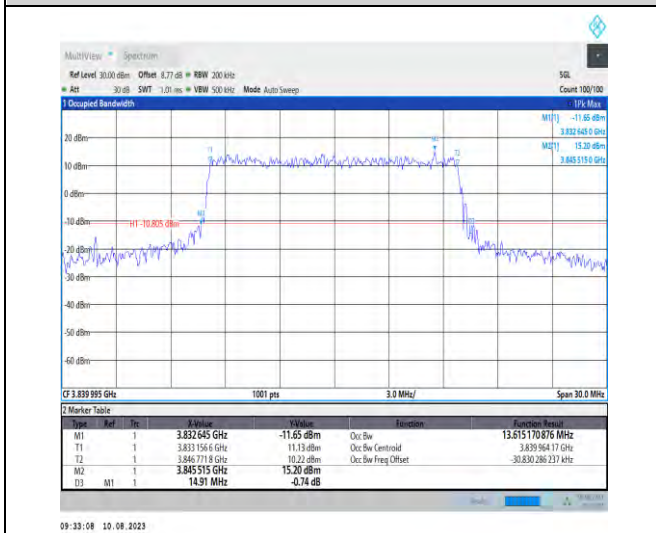
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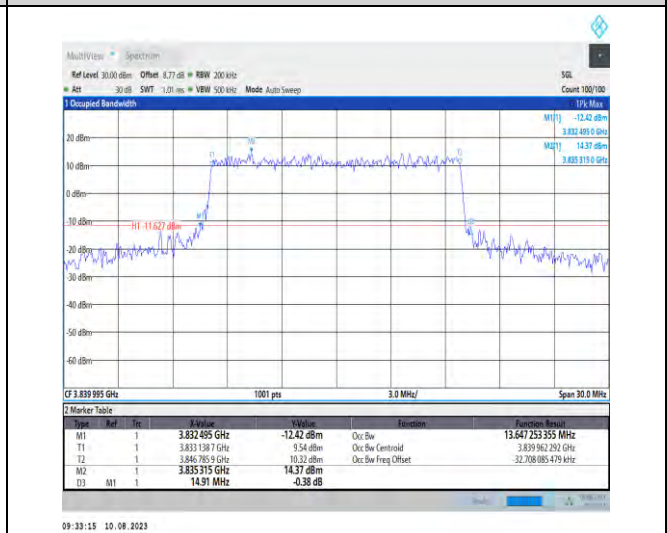
1-N77-3700-3980-PC2-30-15-M-4-DFT-64QAM-Outer_Full-36@0-Ant1-12.858-13.920-≤15-PASS



1-N77-3700-3980-PC2-30-15-M-5-DFT-256QAM-Outer_Full-36@0-Ant1-12.795-13.980-≤15-PASS



1-N77-3700-3980-PC2-30-15-M-6-CP-QPSK-Outer_Full-38@0-Ant1-13.615-14.910-≤15-PASS



1-N77-3700-3980-PC2-30-15-M-7-CP-16QAM-Outer_Full-38@0-Ant1-13.647-14.910-≤15-PASS

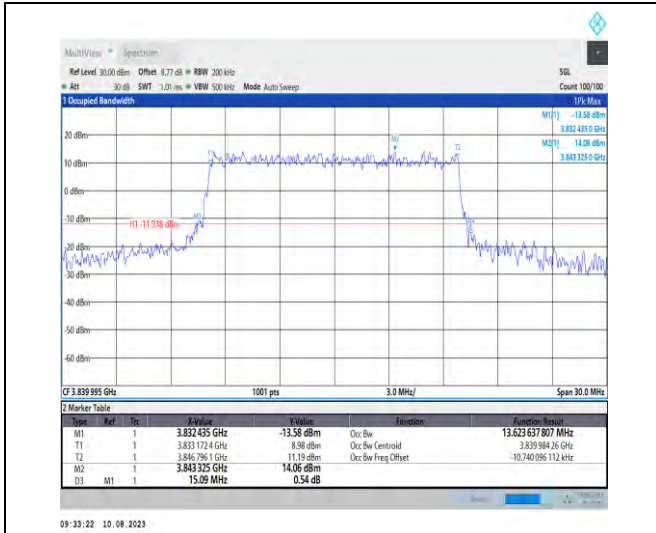


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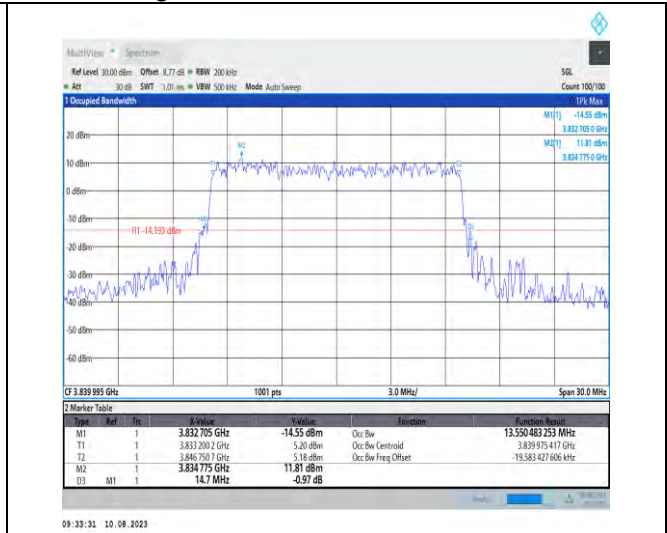
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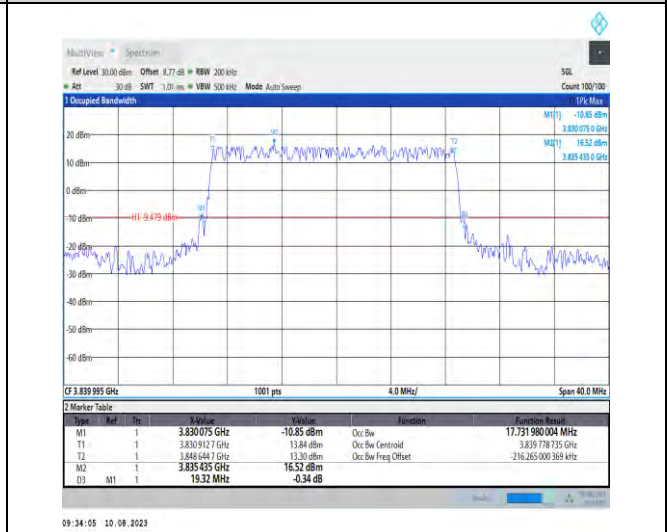
1-N77-3700-3980-PC2-30-15-M-8-CP-64QAM-Outer_Full-38@0-Ant1-13.624-15.090-≤15-PASS



1-N77-3700-3980-PC2-30-15-M-9-CP-256QAM-Outer_Full-38@0-Ant1-13.55-14.700-≤15-PASS



1-N77-3700-3980-PC2-30-20-M-1-DFT-QPSK-Outer_Full-50@0-Ant1-17.896-19.040-≤20-PASS



1-N77-3700-3980-PC2-30-20-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-17.732-19.320-≤20-PASS



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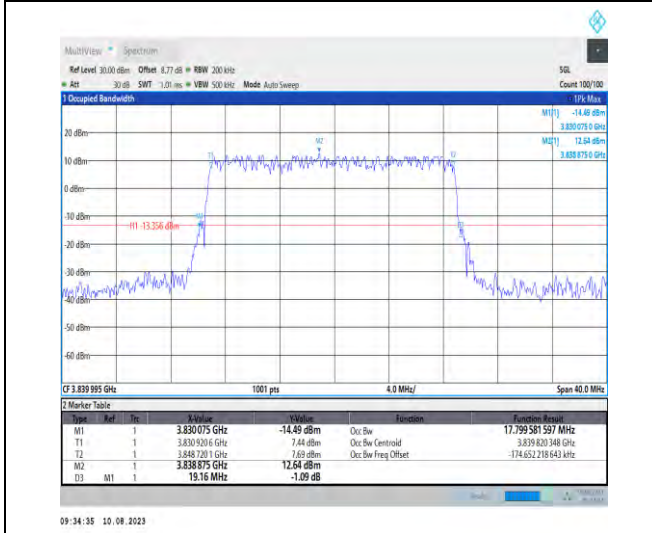
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1-N77-3700-3980-PC2-30-20-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-17.8-19.160-≤20-PASS



1-N77-3700-3980-PC2-30-20-M-6-CP-QPSK-Outer_Full-51@0-Ant1-18.214-19.920-≤20-PASS



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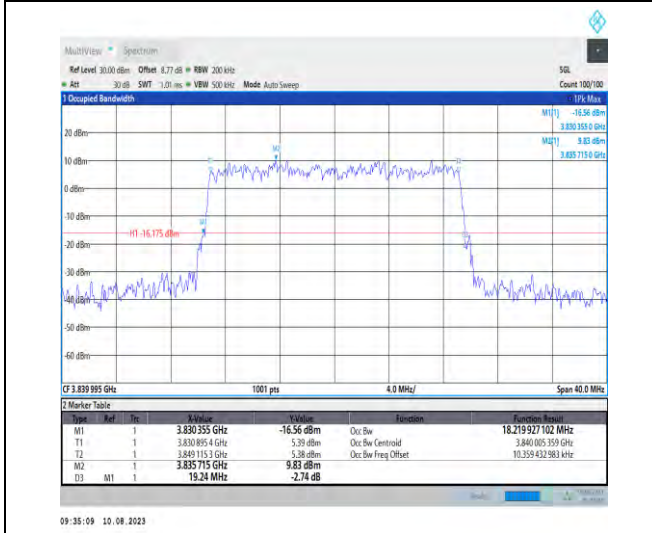
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1-N77-3700-3980-PC2-30-20-M-8-CP-64QAM-Outer_Full-51@0-Ant1-18.225-19.520-≤20-PASS



1-N77-3700-3980-PC2-30-20-M-9-CP-256QAM-Outer_Full-51@0-Ant1-18.22-19.240-≤20-PASS



1-N77-3700-3980-PC2-30-30-M-1-DFT-QPSK-Outer_Full-75@0-Ant1-26.714-28.020-≤30-PASS



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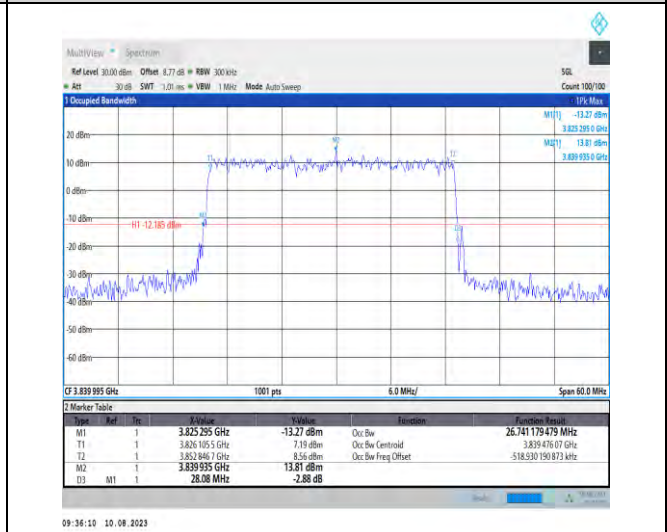
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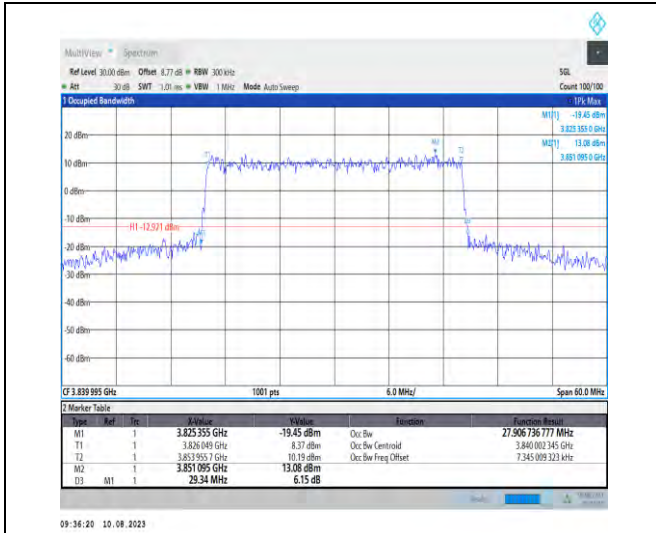


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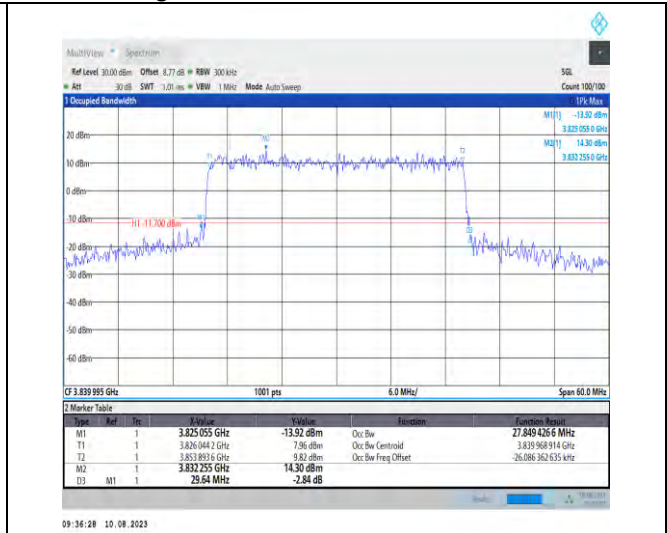
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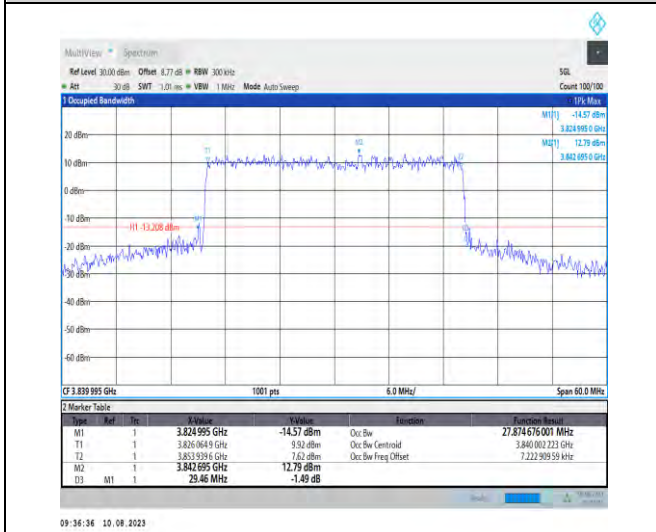
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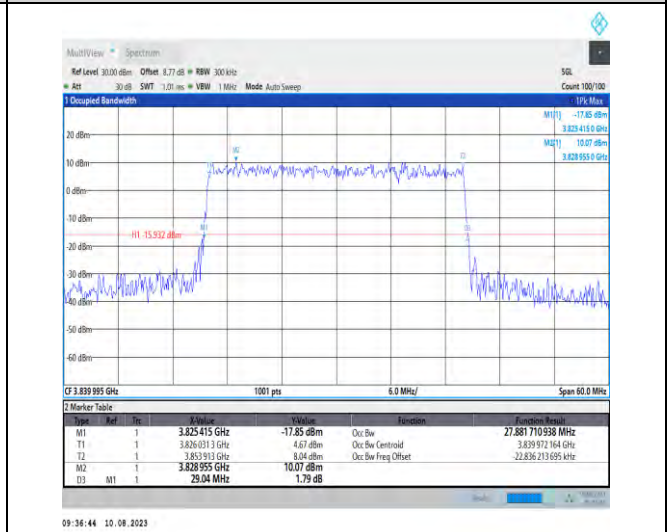
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1-N77-3700-3980-PC2-30-30-M-8-CP-64QAM-Outer_Full-78@0-Ant1-27.875-29.460-≤30-PASS



1-N77-3700-3980-PC2-30-30-M-9-CP-256QAM-Outer_Full-78@0-Ant1-27.882-29.040-≤30-PASS



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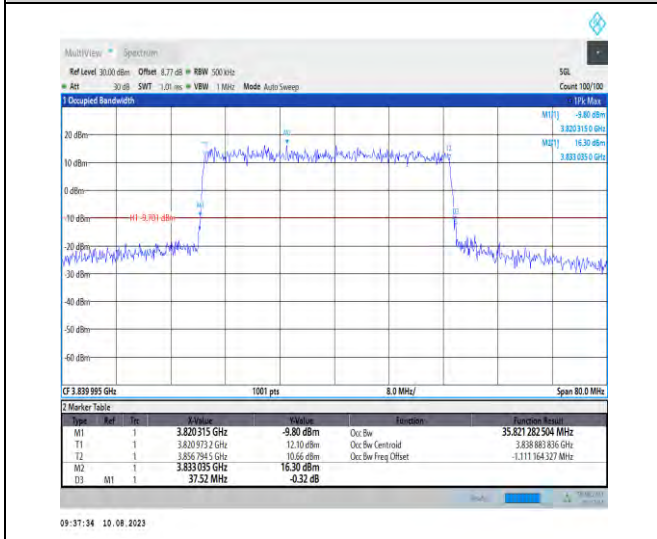
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1-N77-3700-3980-PC2-30-40-M-2-DFT-PI2BPSK-Outer_Full-100@0-Ant1-35.769-37.520-≤40-PASS



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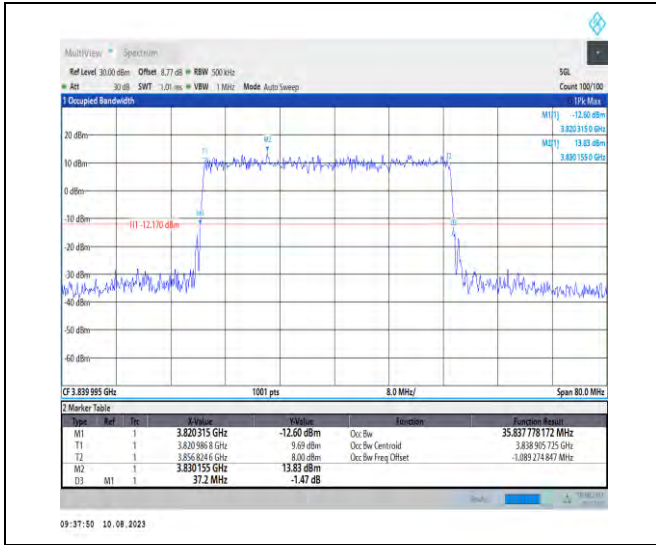


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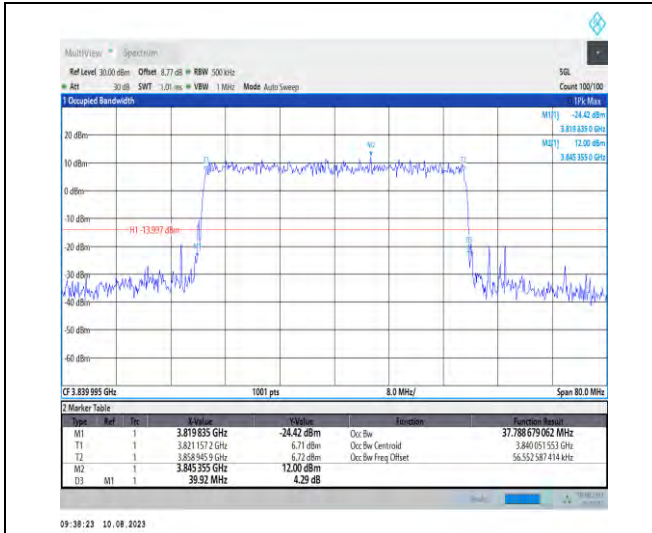
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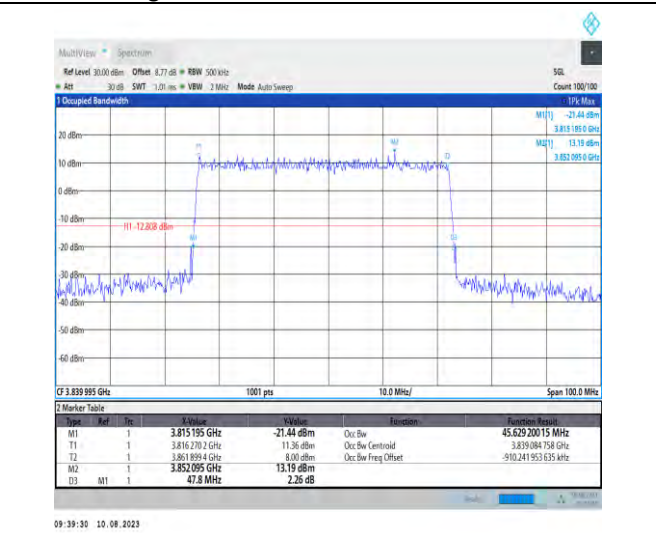
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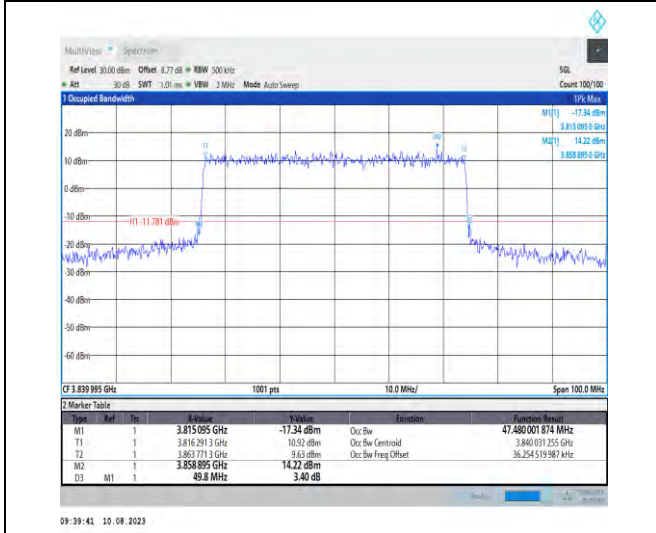
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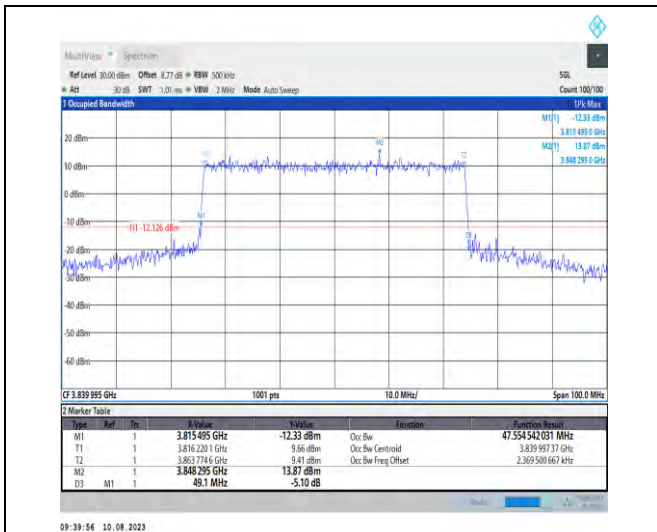


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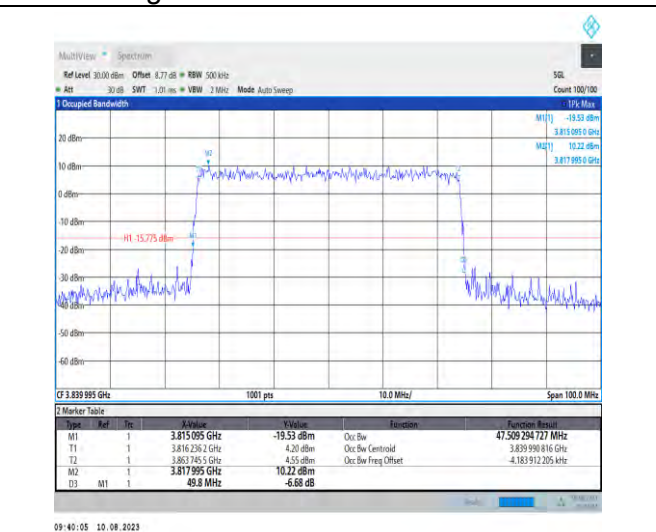
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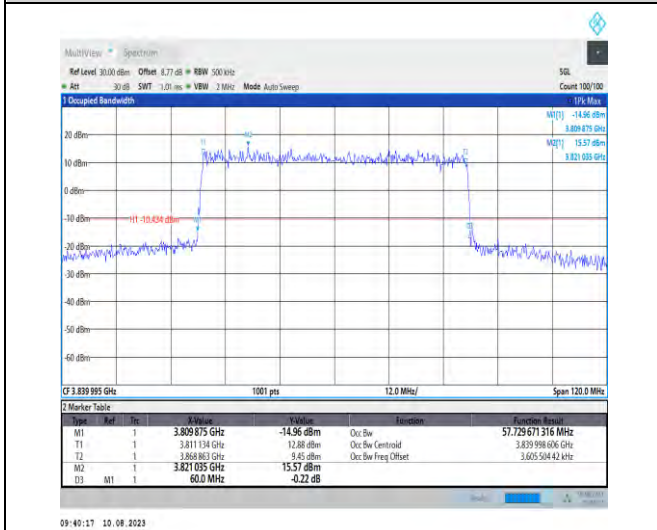
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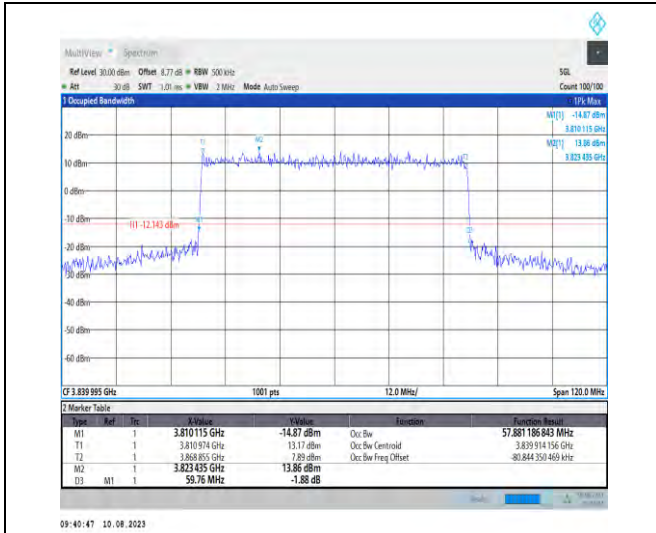
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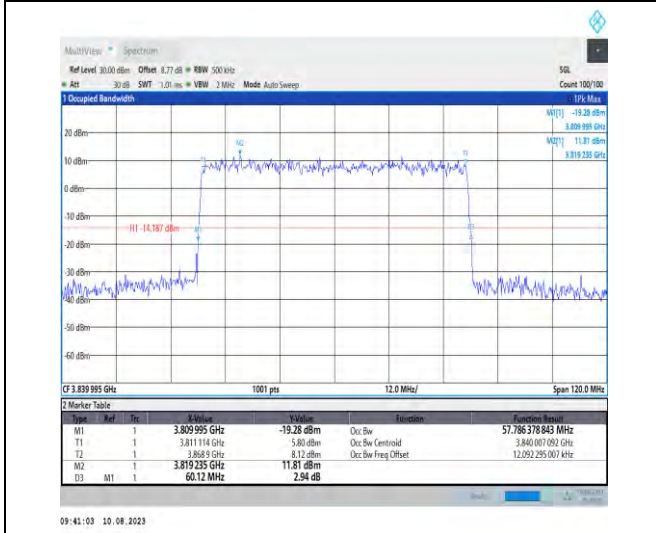
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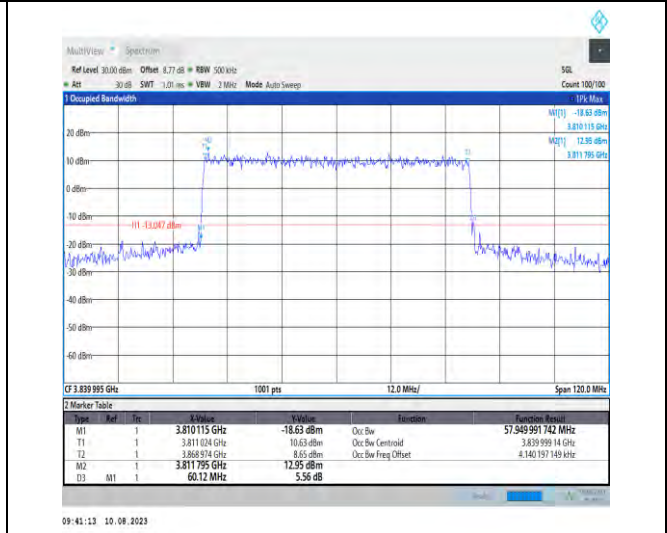
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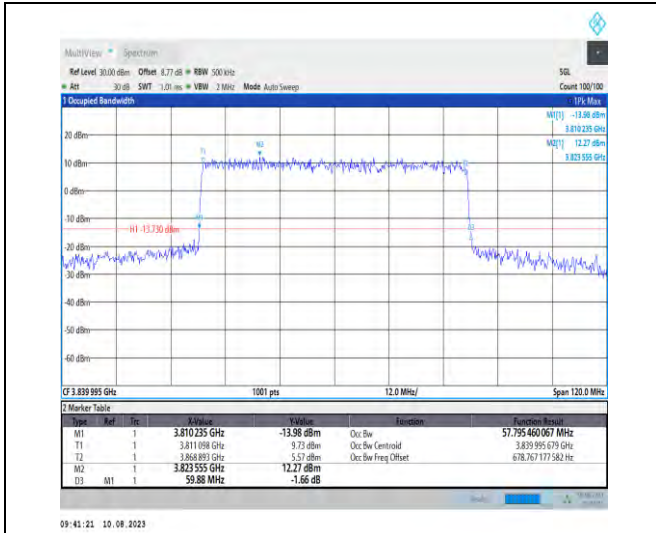


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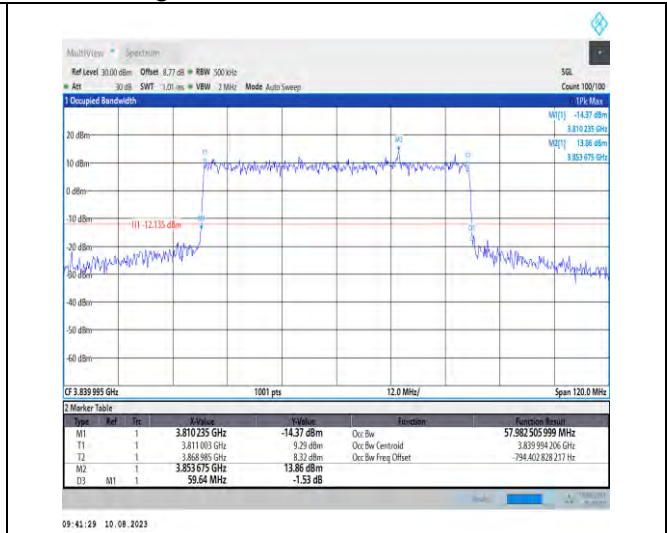
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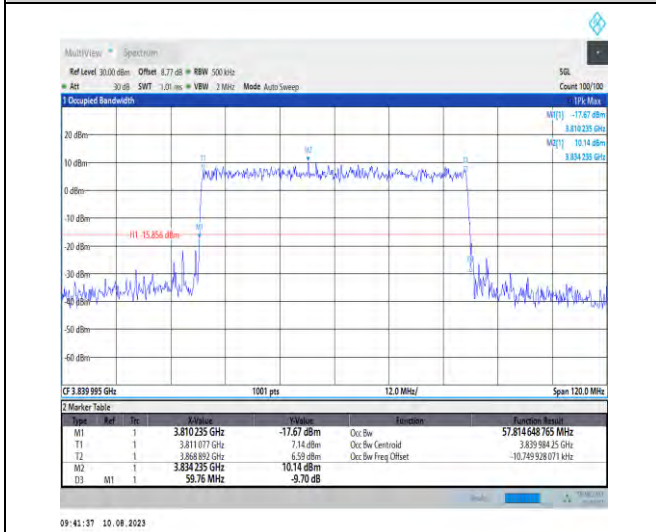
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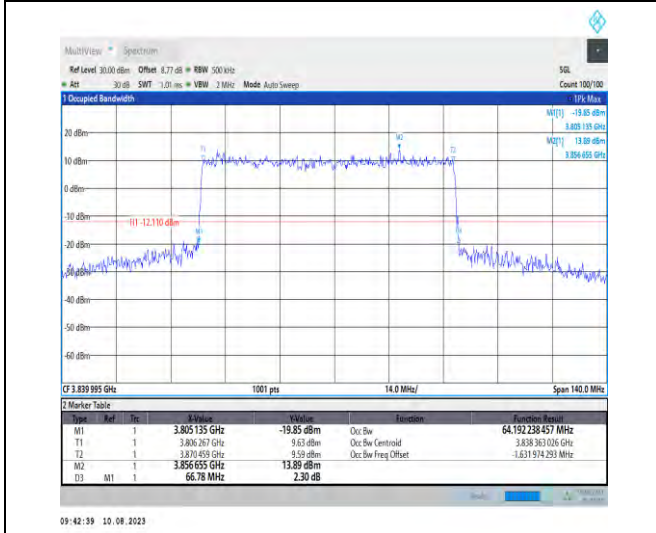
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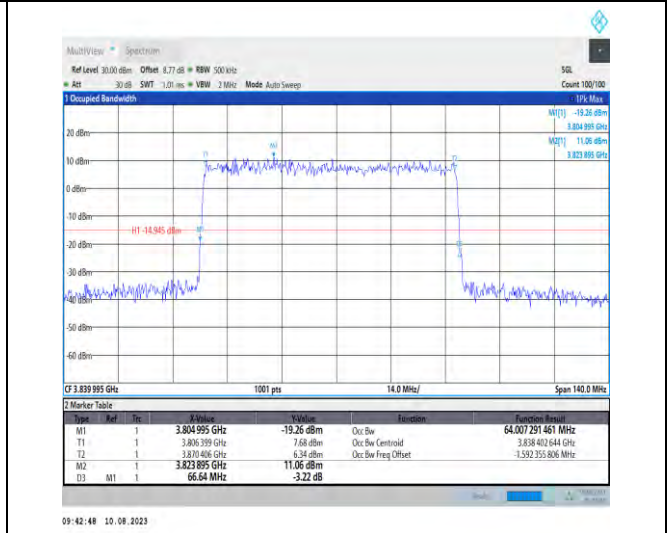
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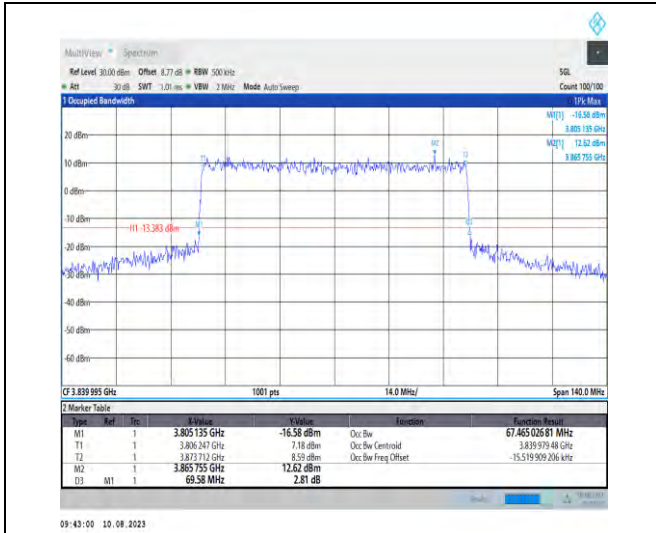


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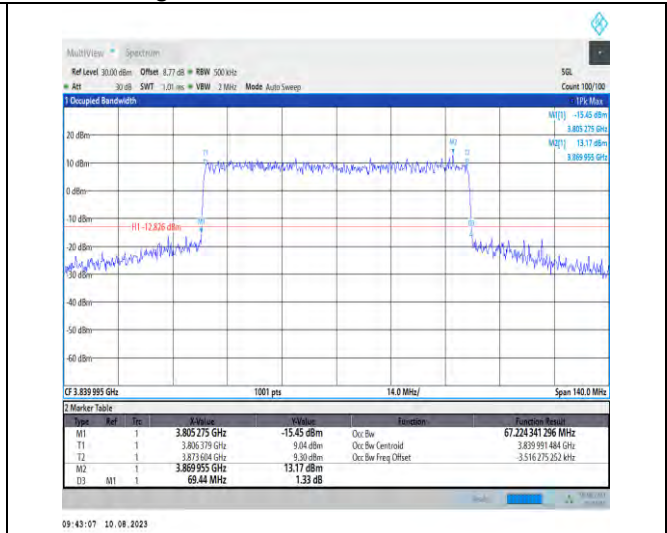
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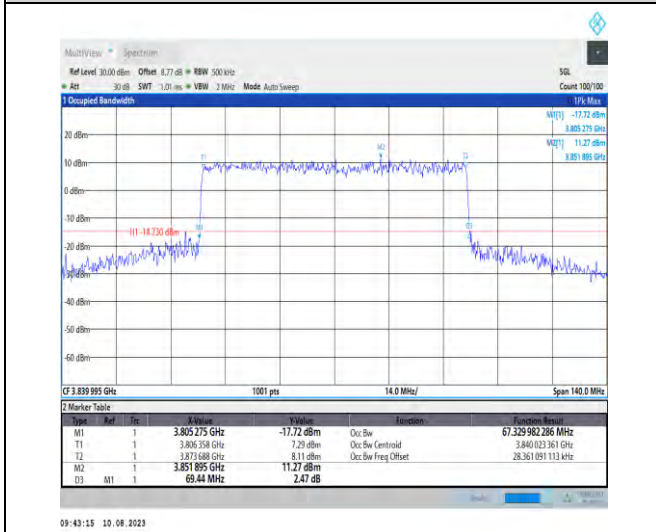
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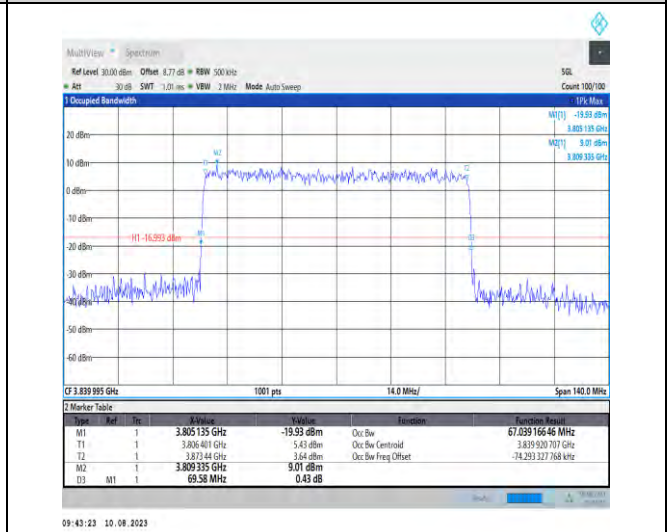
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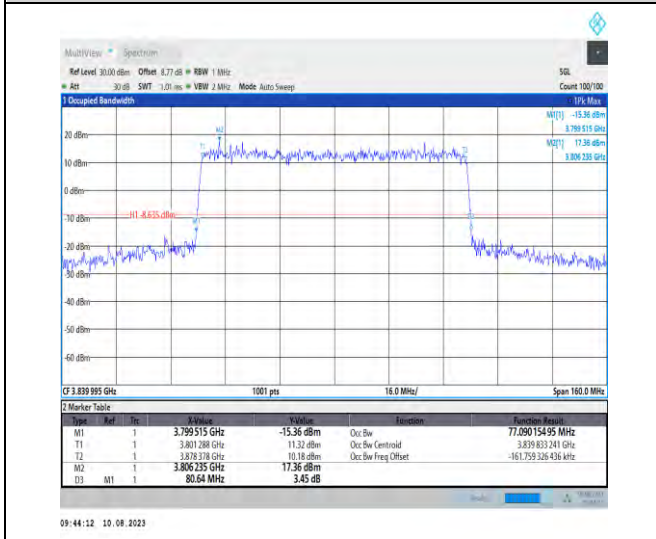
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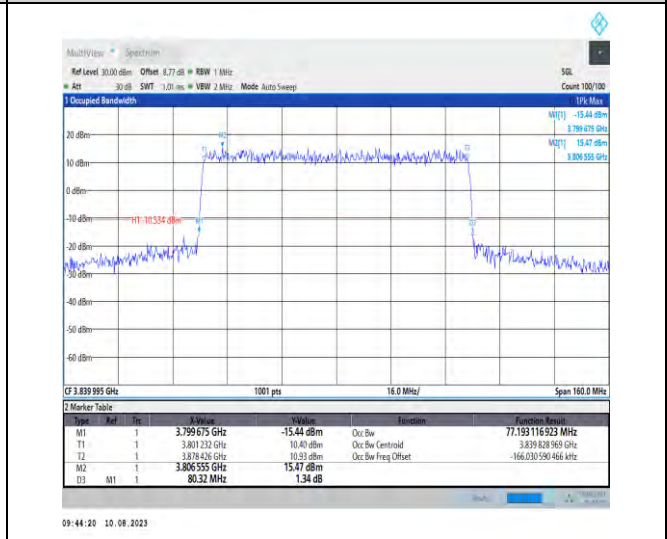
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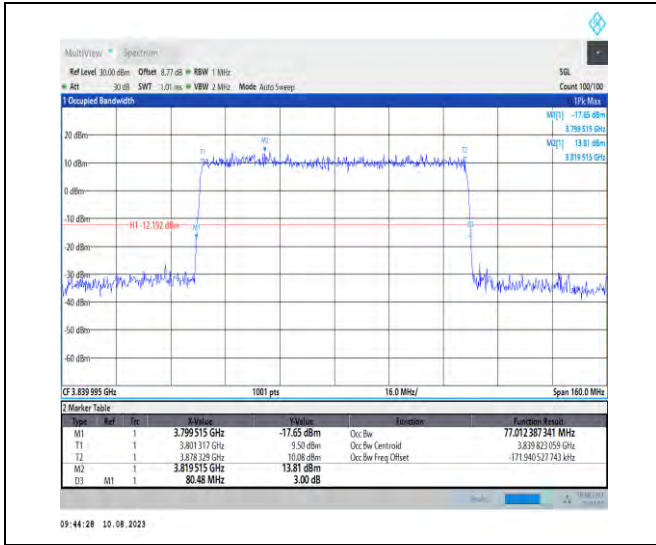
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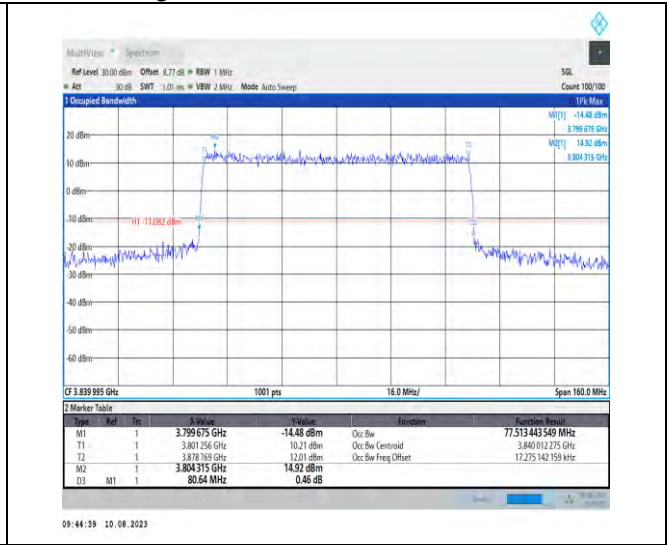
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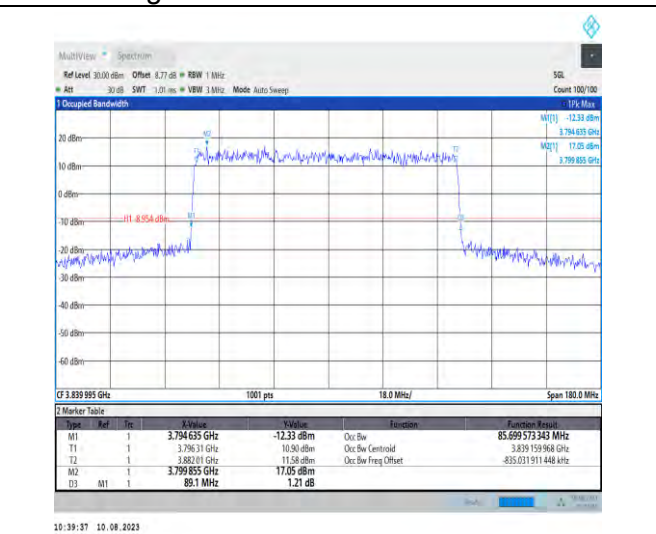
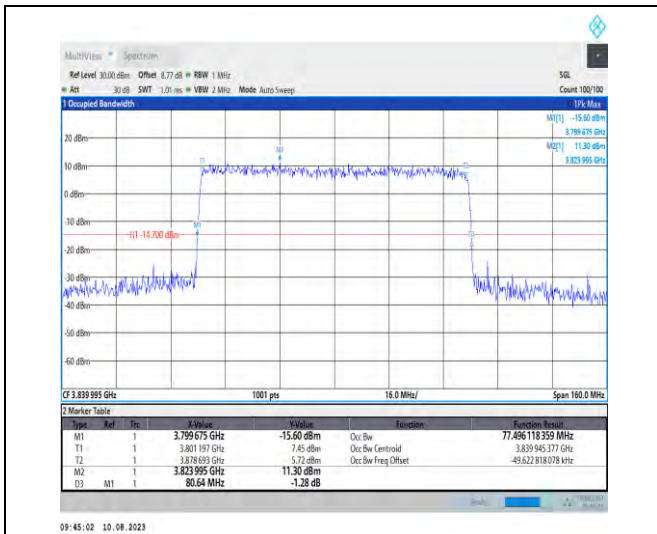


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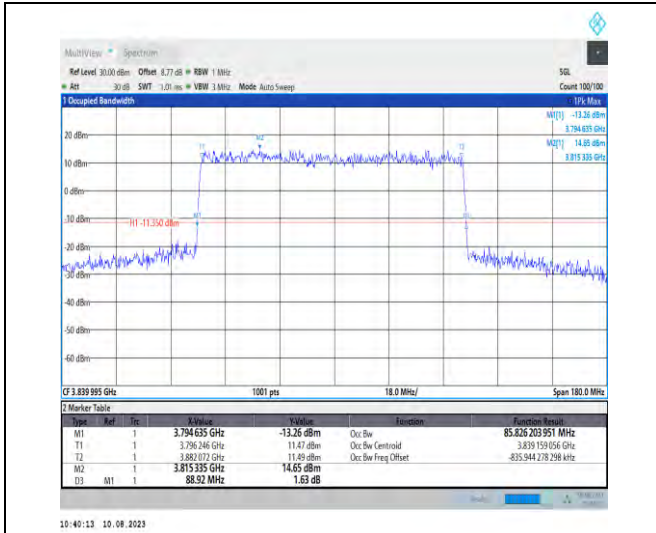
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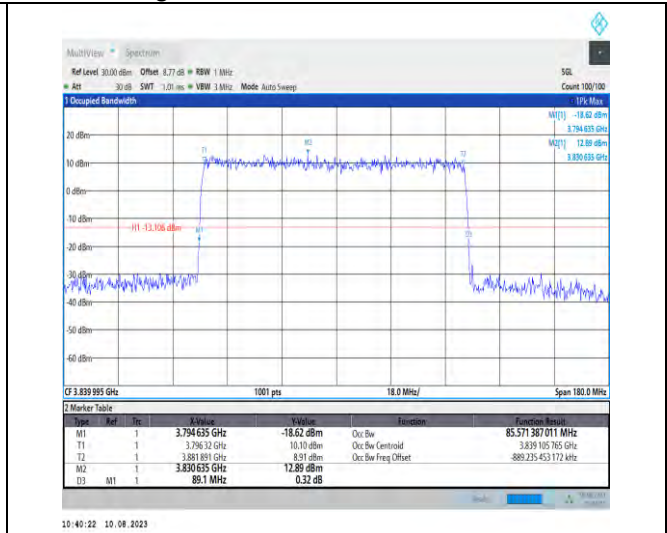
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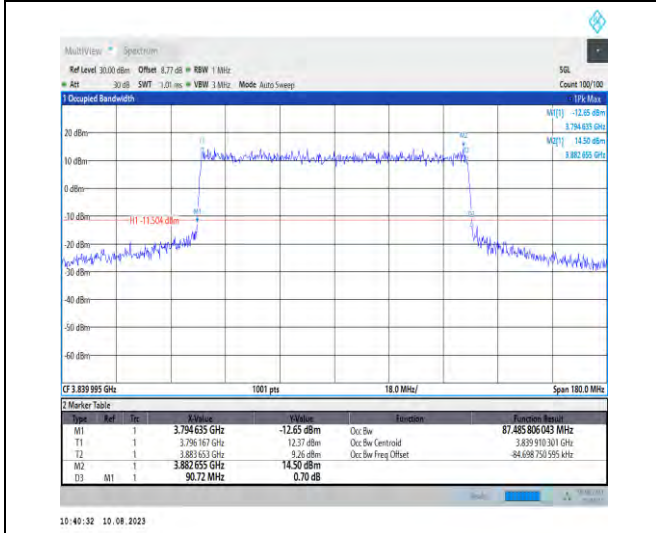




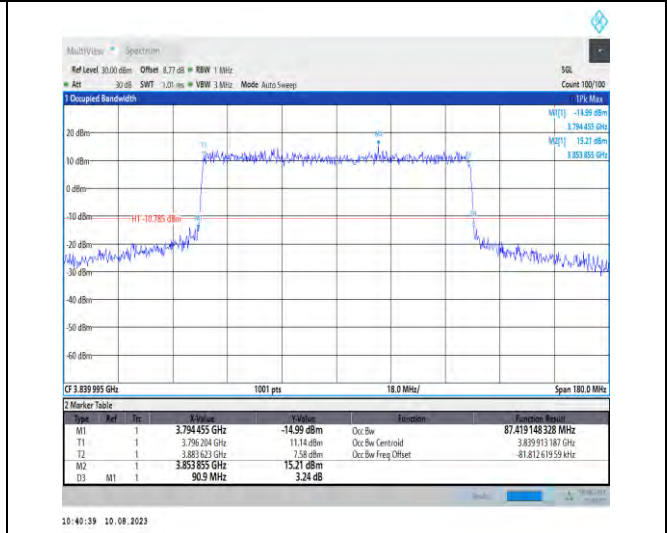
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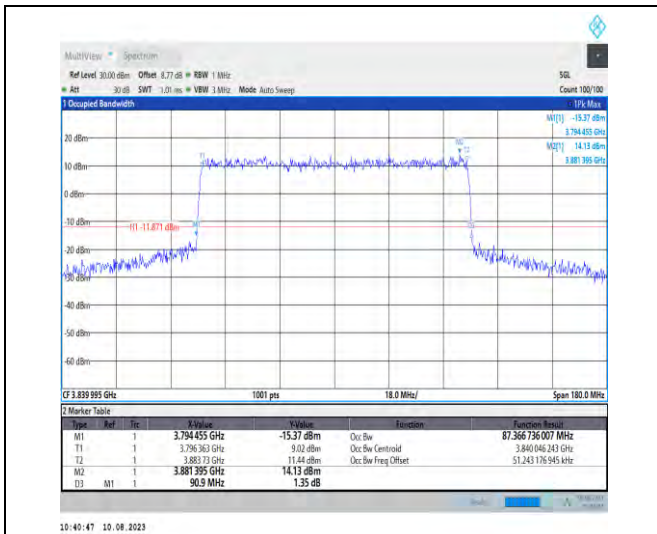


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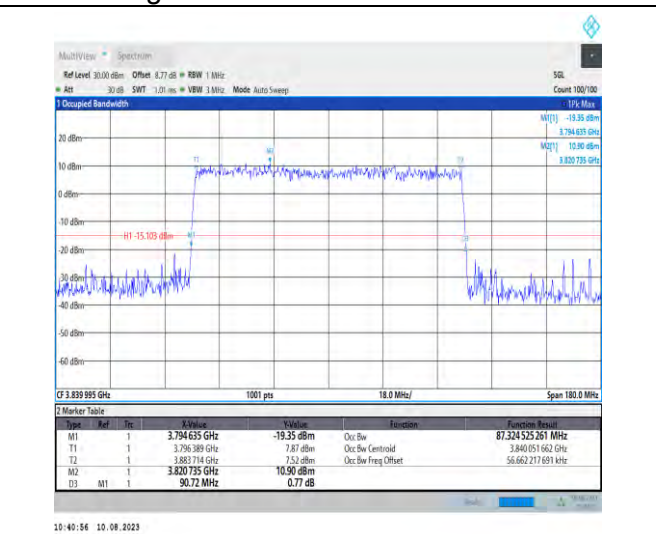
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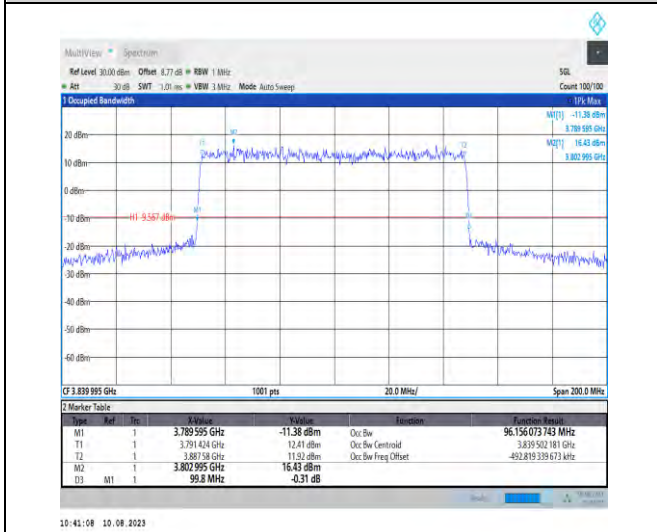
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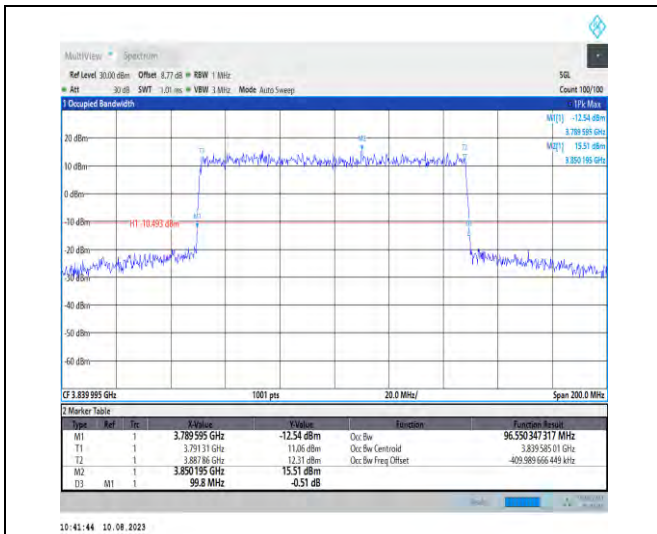


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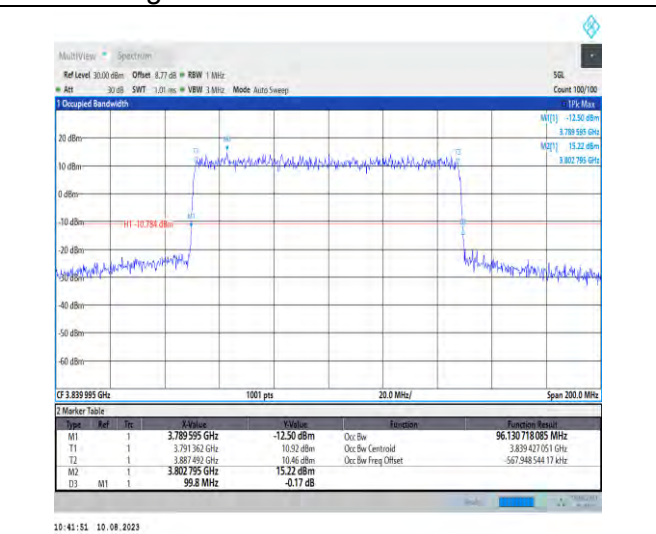


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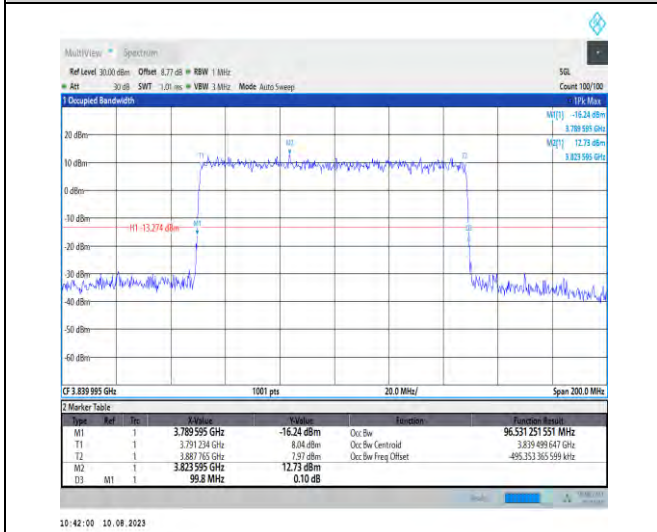
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 er_Full-270@0-Ant1-96.55-99.800-≤100-PASS



1-N77-3700-3980-PC2-30-100-M-4-DFT-64QAM-Out
 er_Full-270@0-Ant1-96.131-99.800-≤100-PASS



1-N77-3700-3980-PC2-30-100-M-5-DFT-256QAM-Out
 er_Full-270@0-Ant1-96.531-99.800-≤100-PASS



1-N77-3700-3980-PC2-30-100-M-6-CP-QPSK-Outer
 er_Full-273@0-Ant1-97.45-100.600-≤100-PASS

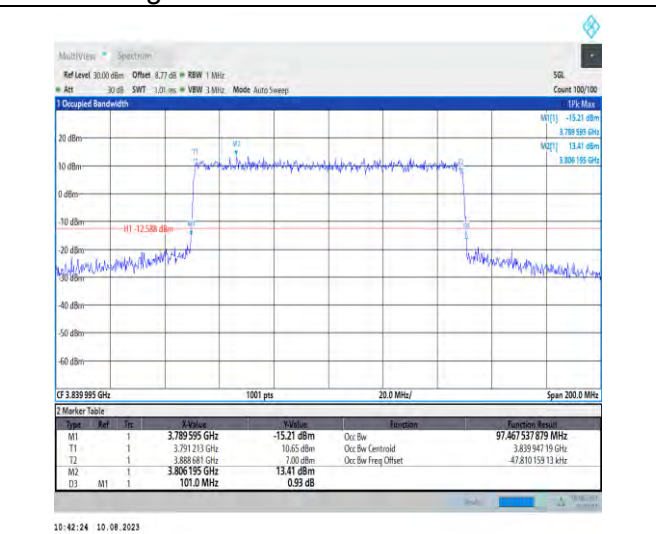
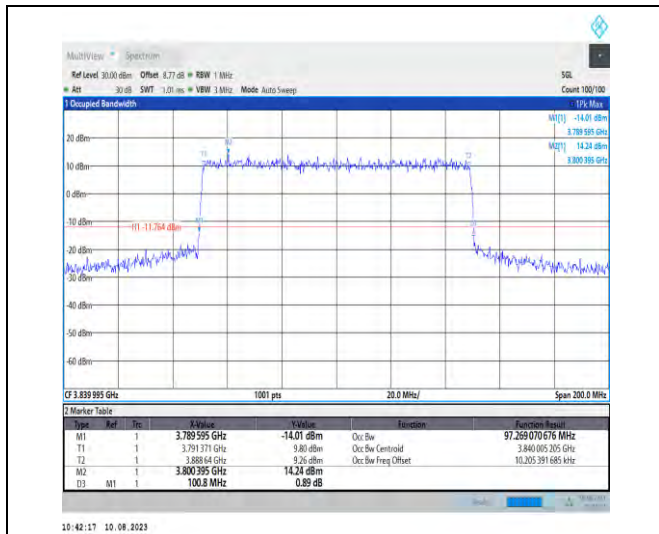


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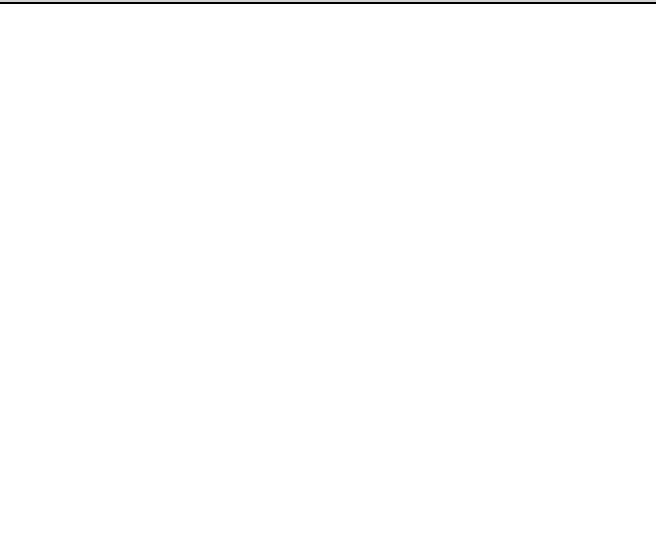
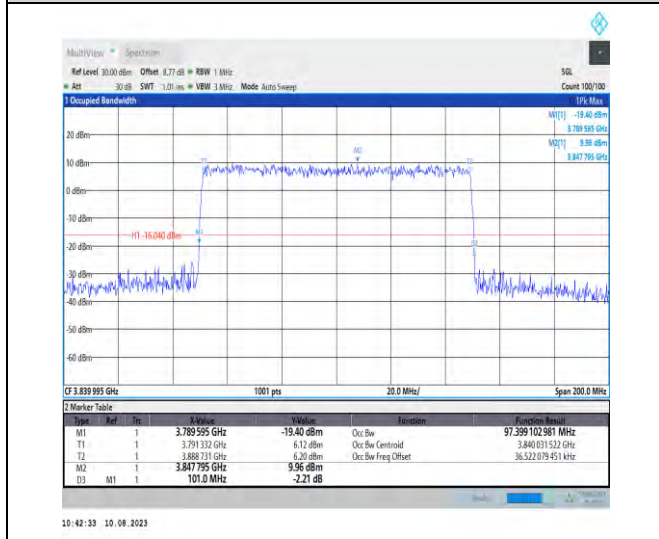
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1-N77-3700-3980-PC2-30-100-M-7-CP-16QAM-Out
 er_Full-273@0-Ant1-97.269-100.800-≤100-PASS

1-N77-3700-3980-PC2-30-100-M-8-CP-64QAM-Out
 r_Full-273@0-Ant1-97.468-101.000-≤100-PASS



1-N77-3700-3980-PC2-30-100-M-9-CP-256QAM-Out
 ter_Full-273@0-Ant1-97.399-101.000-≤100-PASS



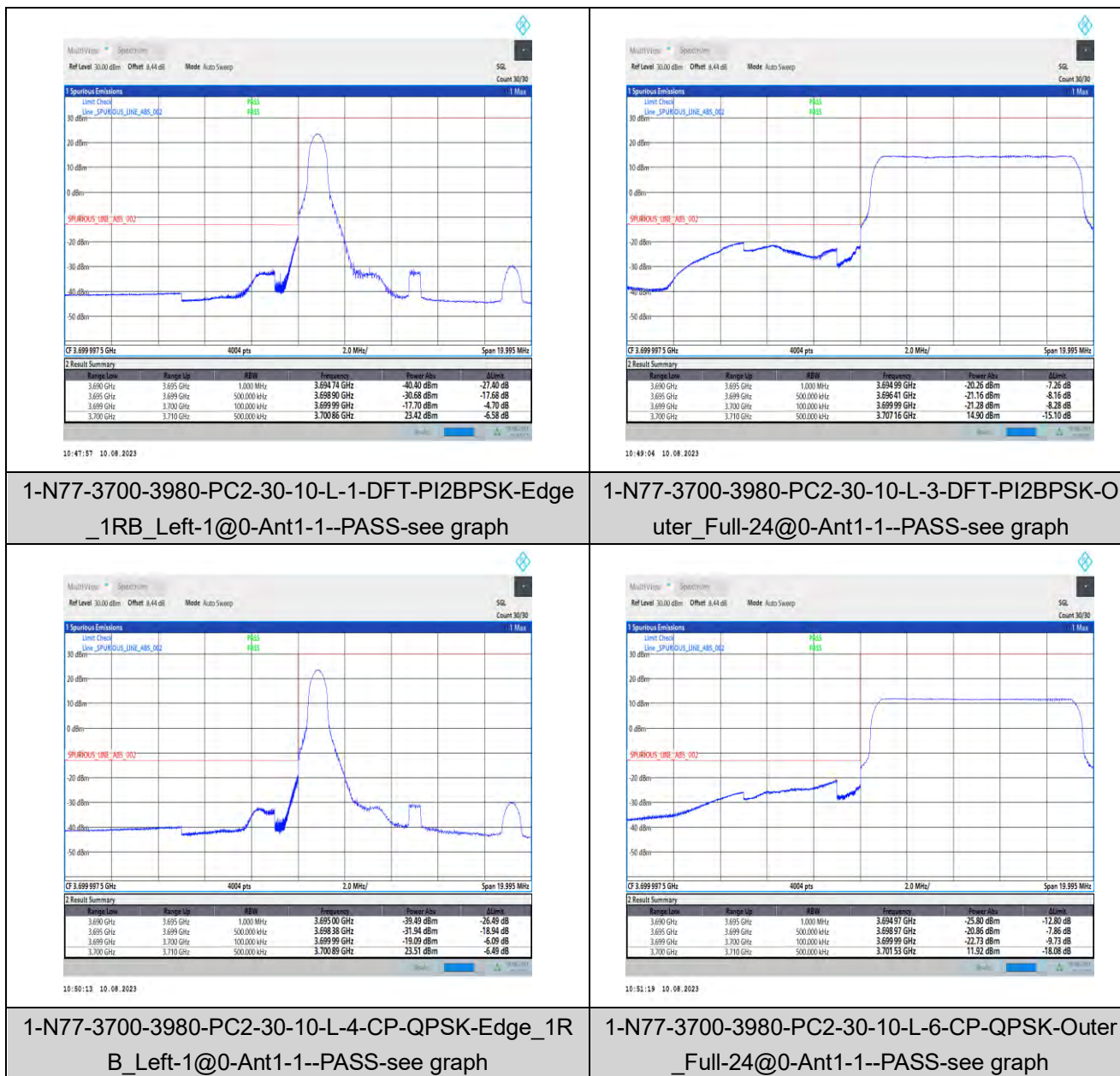
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Band Edge for SA

Test Graphs



1-N77-3700-3980-PC2-30-10-L-1-DFT-PI2BPSK-Edge
 _1RB_Left-1@0-Ant1-1--PASS-see graph

1-N77-3700-3980-PC2-30-10-L-3-DFT-PI2BPSK-O
 uter_Full-24@0-Ant1-1--PASS-see graph

1-N77-3700-3980-PC2-30-10-L-4-CP-QPSK-Edge_1R
 B_Left-1@0-Ant1-1--PASS-see graph

1-N77-3700-3980-PC2-30-10-L-6-CP-QPSK-Outer
 _Full-24@0-Ant1-1--PASS-see graph



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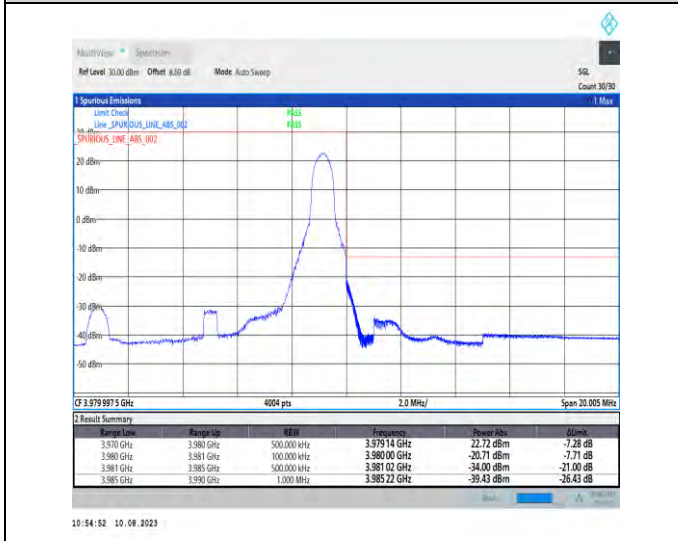
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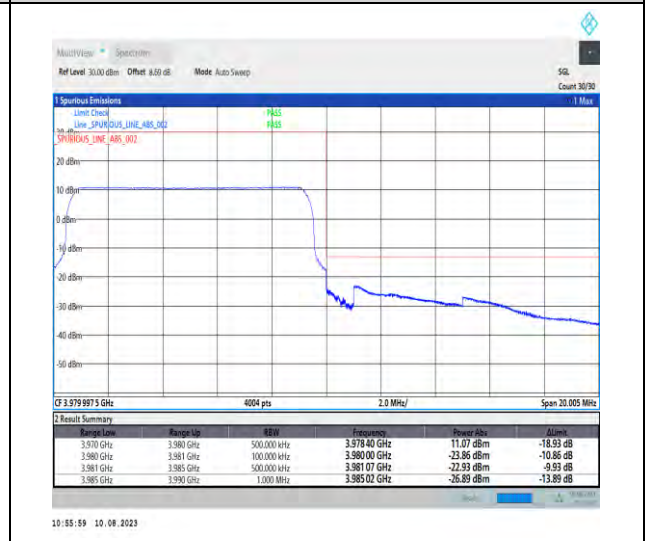
1-N77-3700-3980-PC2-30-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@23-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-10-H-3-DFT-PI2BPSK-Outer_Full-24@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-10-H-5-CP-QPSK-Edge_1RB_Right-1@23-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-10-H-6-CP-QPSK-Outer_Full-24@0-Ant1-1--PASS-see graph

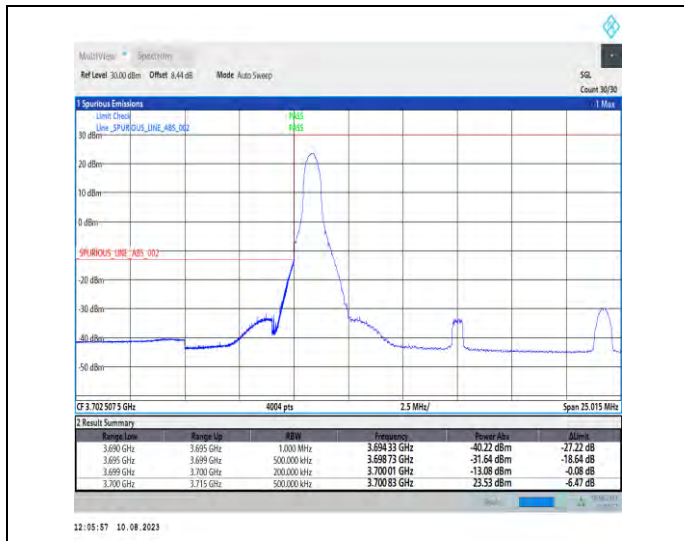


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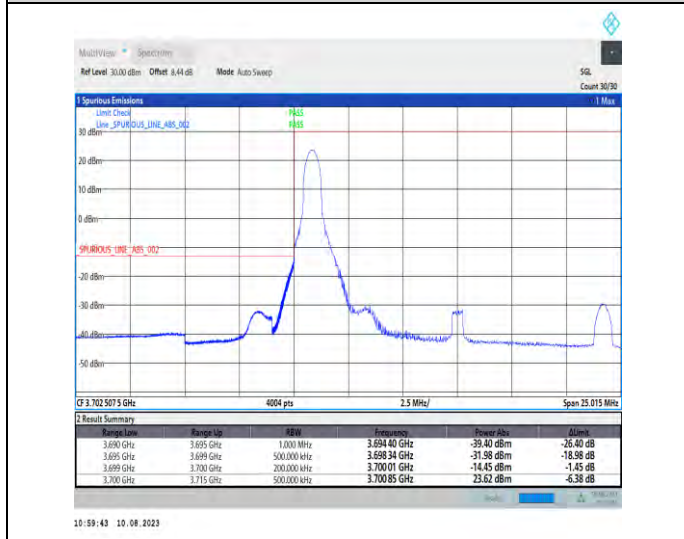
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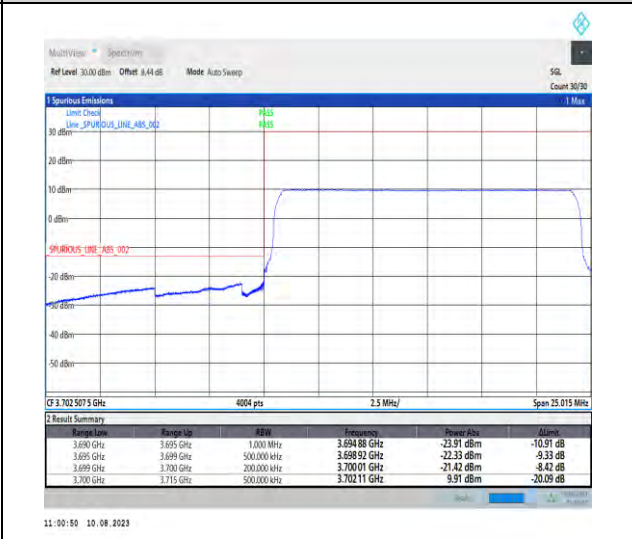
1-N77-3700-3980-PC2-30-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-15-L-3-DFT-PI2BPSK-Outer_Full-36@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-15-L-6-CP-QPSK-Outer_Full-38@0-Ant1-1--PASS-see graph



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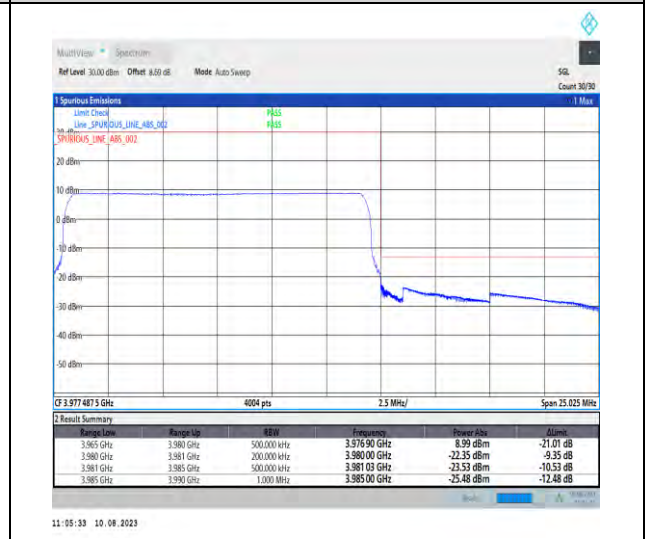
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1-N77-3700-3980-PC2-30-15-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@37-Ant1-1--PASS-see graph

1-N77-3700-3980-PC2-30-15-H-3-DFT-PI2BPSK-Outer_Full-36@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-15-H-5-CP-QPSK-Edge_1RB_Right-1@37-Ant1-1--PASS-see graph

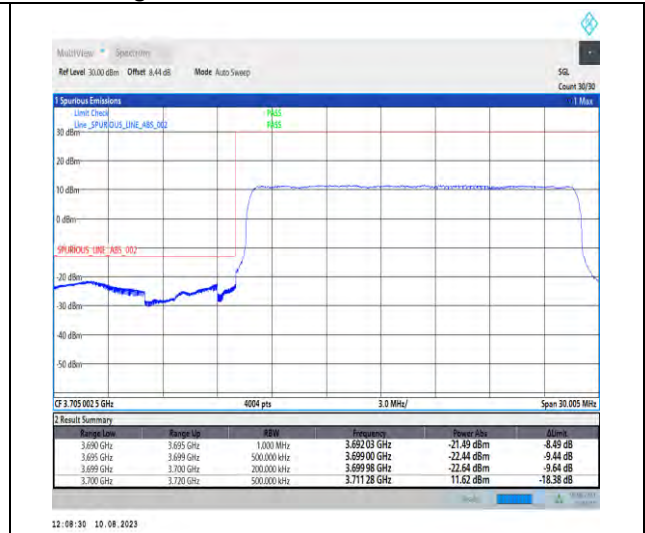
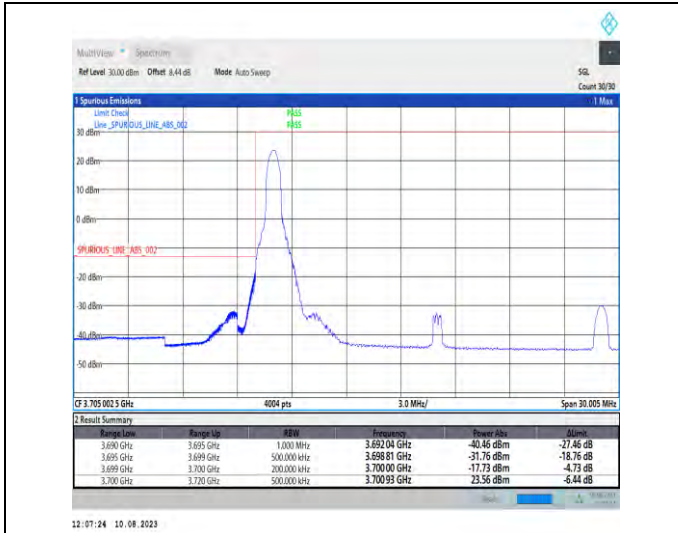
1-N77-3700-3980-PC2-30-15-H-6-CP-QPSK-Outer_Full-38@0-Ant1-1--PASS-see graph



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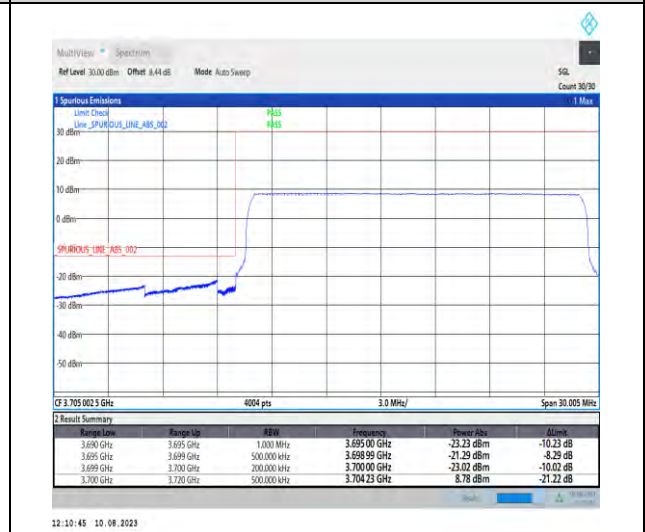
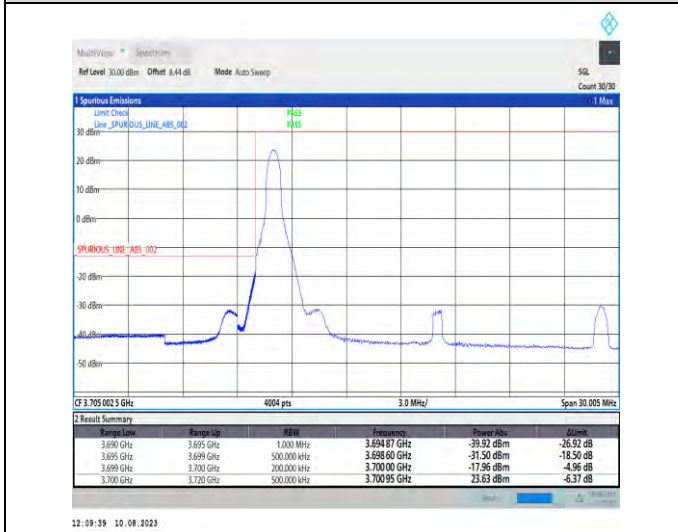
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1-N77-3700-3980-PC2-30-20-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N77-3700-3980-PC2-30-20-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

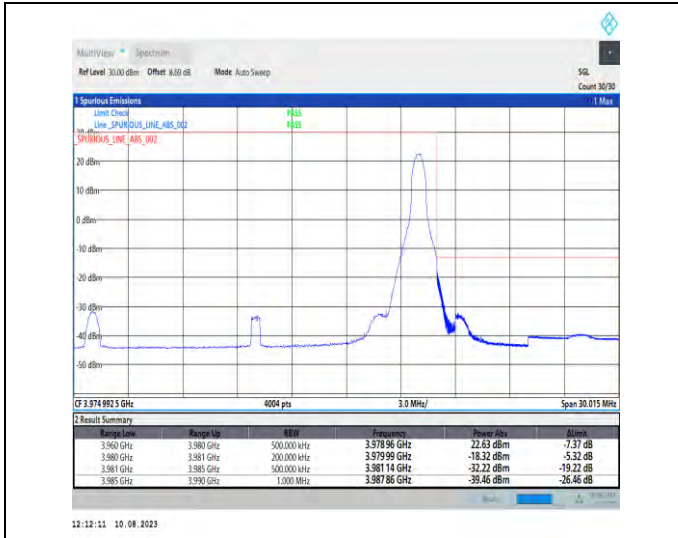
1-N77-3700-3980-PC2-30-20-L-6-CP-QPSK-Outer_Full-51@0-Ant1-1--PASS-see graph



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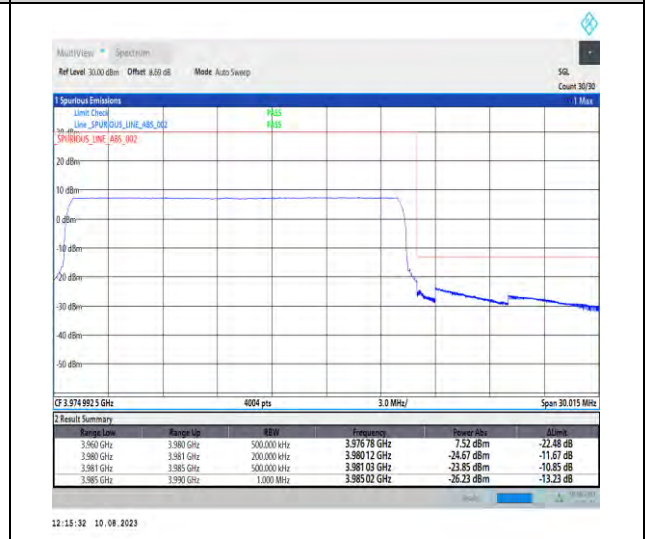
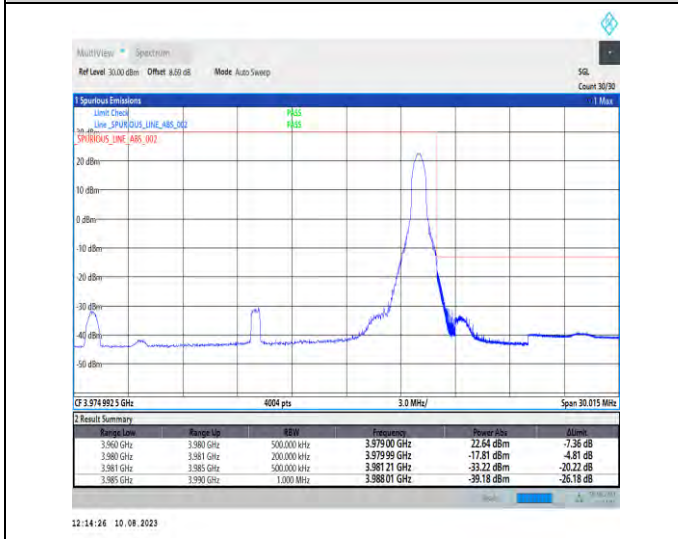
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1-N77-3700-3980-PC2-30-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@50-Ant1-1--PASS-see graph

1-N77-3700-3980-PC2-30-20-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-20-H-5-CP-QPSK-Edge_1RB_Right-1@50-Ant1-1--PASS-see graph

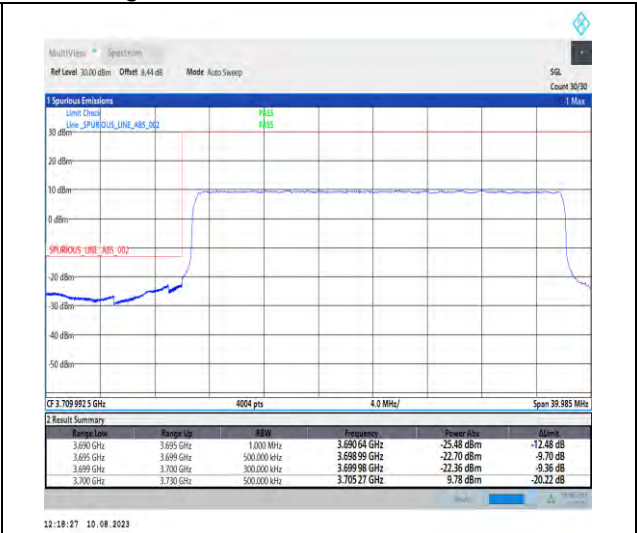
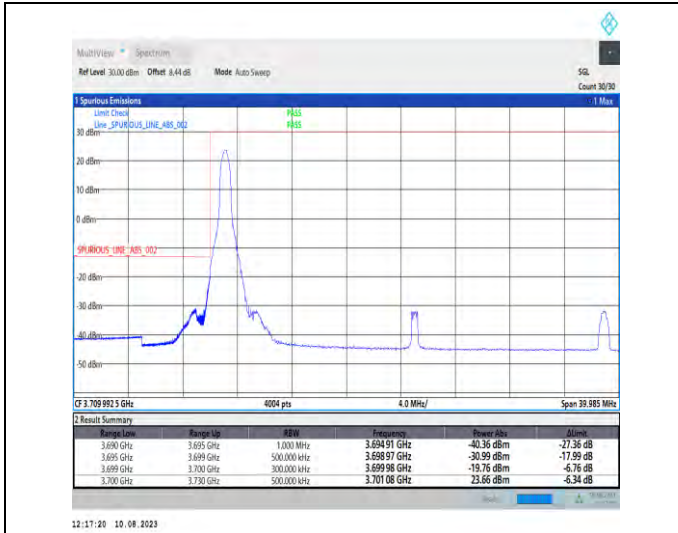
1-N77-3700-3980-PC2-30-20-H-6-CP-QPSK-Outer_Full-51@0-Ant1-1--PASS-see graph



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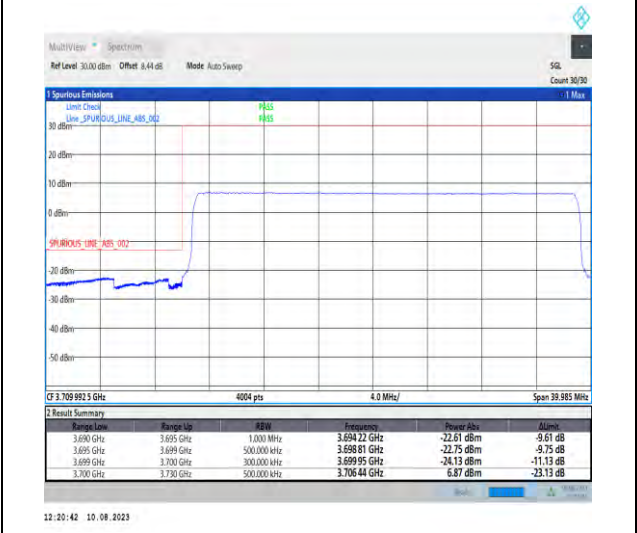
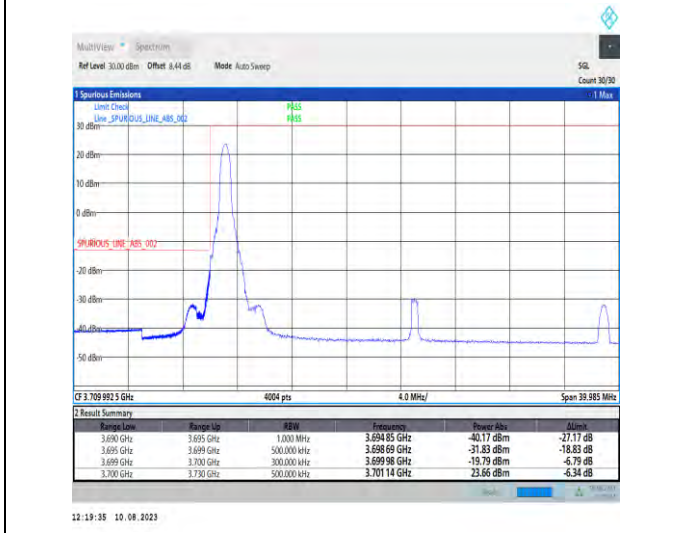
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1-N77-3700-3980-PC2-30-30-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N77-3700-3980-PC2-30-30-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-30-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

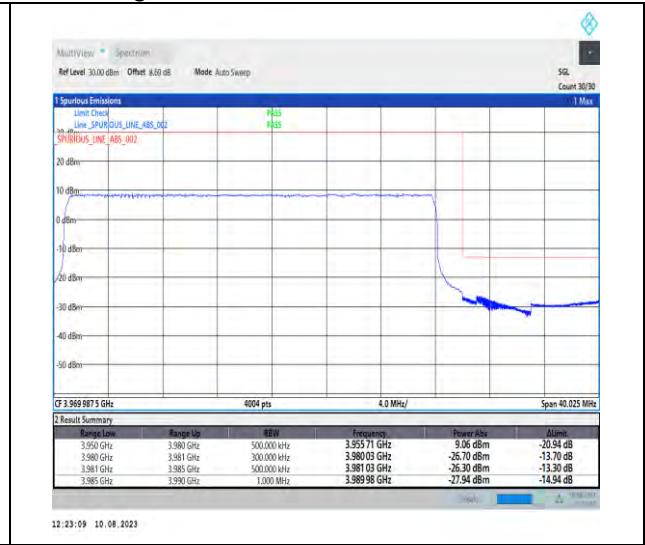
1-N77-3700-3980-PC2-30-30-L-6-CP-QPSK-Outer_Full-78@0-Ant1-1--PASS-see graph



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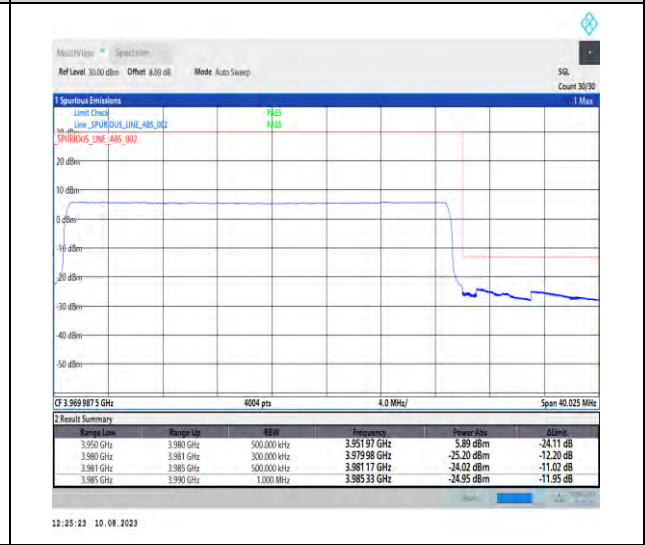
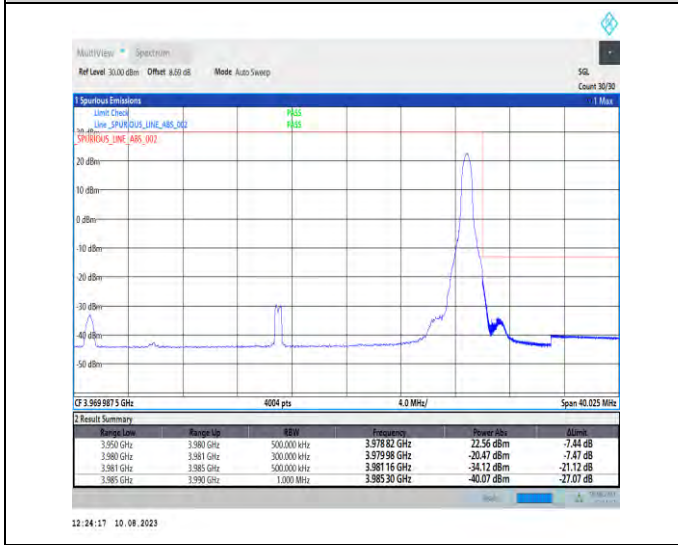
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1-N77-3700-3980-PC2-30-30-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@77-Ant1-1--PASS-see graph

1-N77-3700-3980-PC2-30-30-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-30-H-5-CP-QPSK-Edge_1RB_Right-1@77-Ant1-1--PASS-see graph

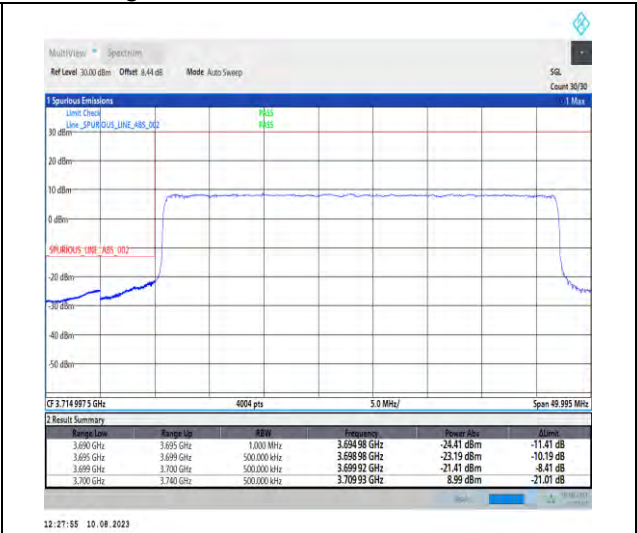
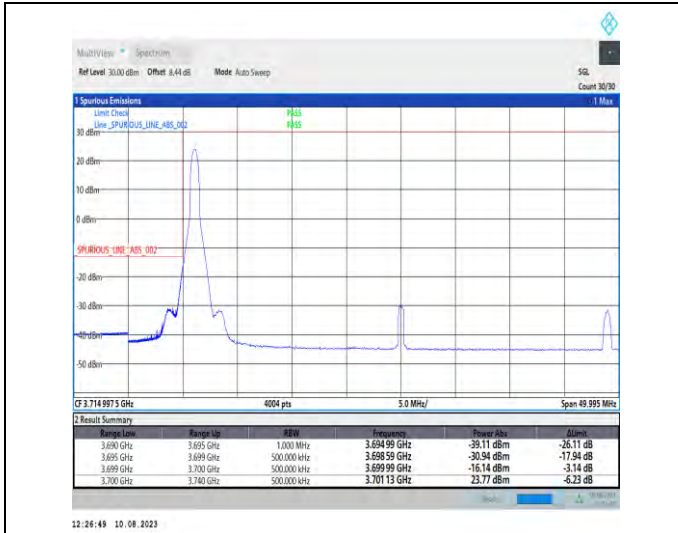
1-N77-3700-3980-PC2-30-30-H-6-CP-QPSK-Outer_Full-78@0-Ant1-1--PASS-see graph



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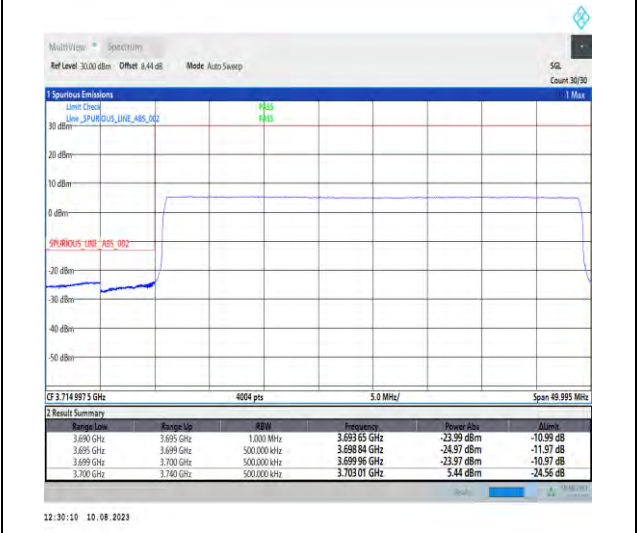
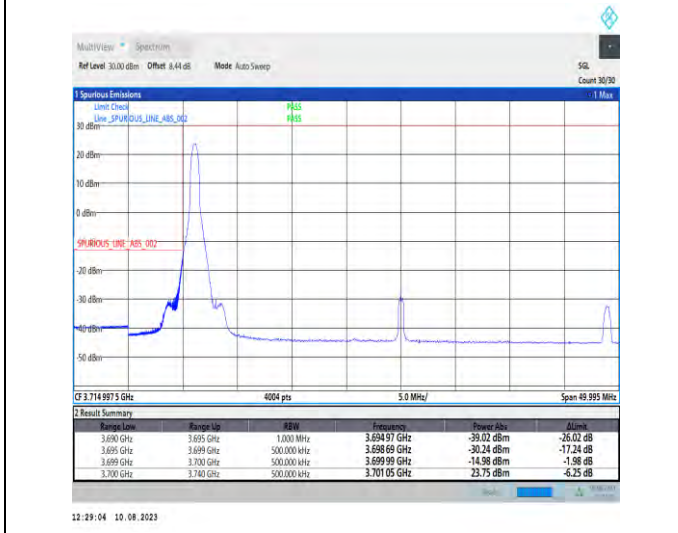
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1-N77-3700-3980-PC2-30-40-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N77-3700-3980-PC2-30-40-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

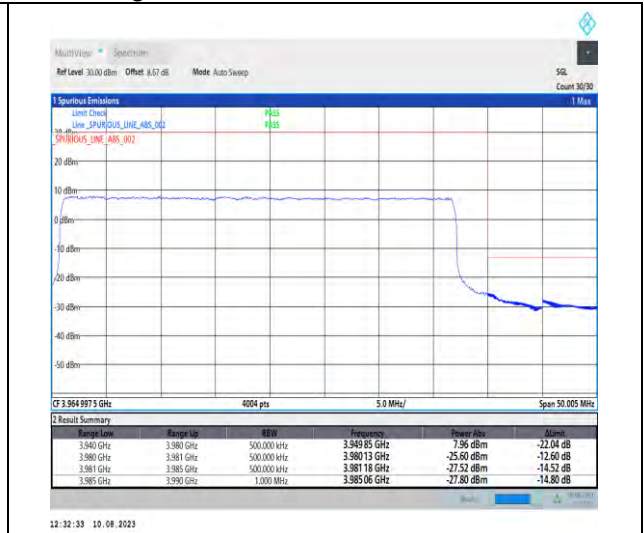
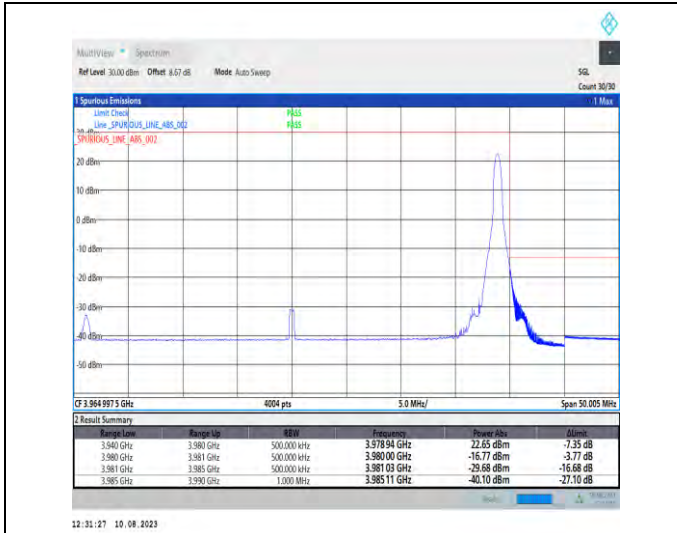
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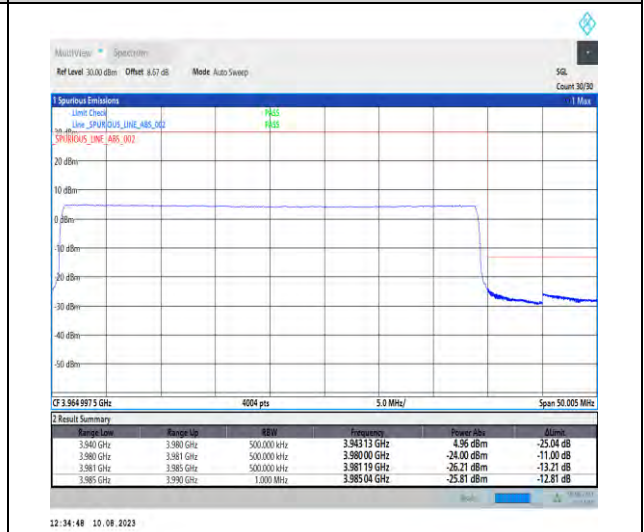
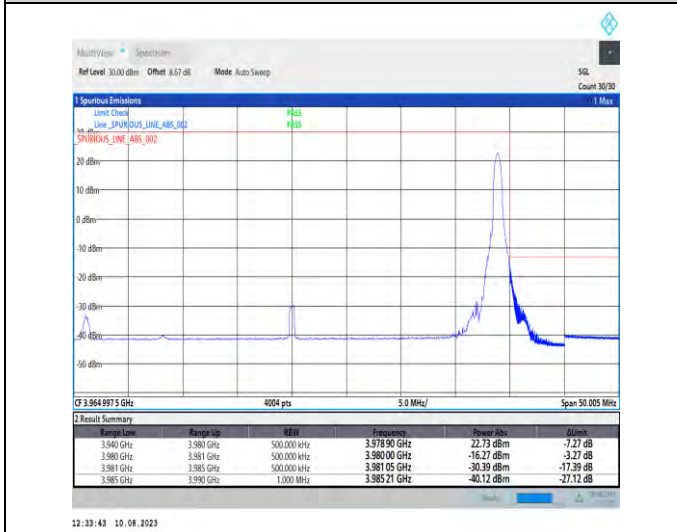
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1-N77-3700-3980-PC2-30-40-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@105-Ant1-1--PASS-see graph

1-N77-3700-3980-PC2-30-40-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-40-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant1-1--PASS-see graph

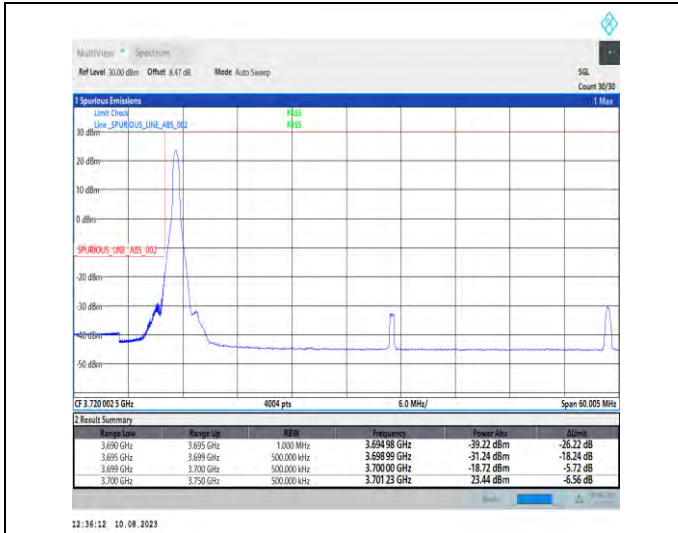
1-N77-3700-3980-PC2-30-40-H-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph



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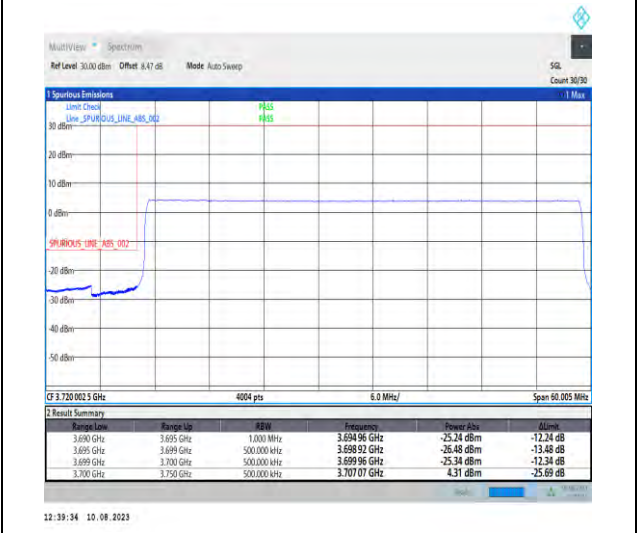
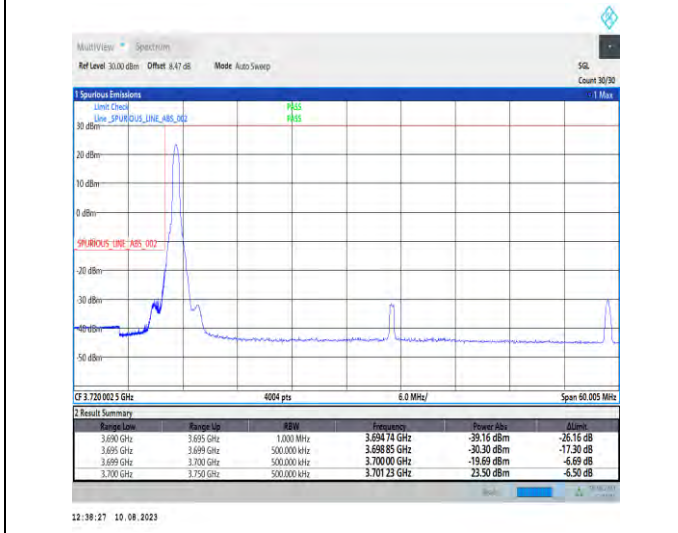
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1-N77-3700-3980-PC2-30-50-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N77-3700-3980-PC2-30-50-L-3-DFT-PI2BPSK-Outer_Full-128@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-50-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

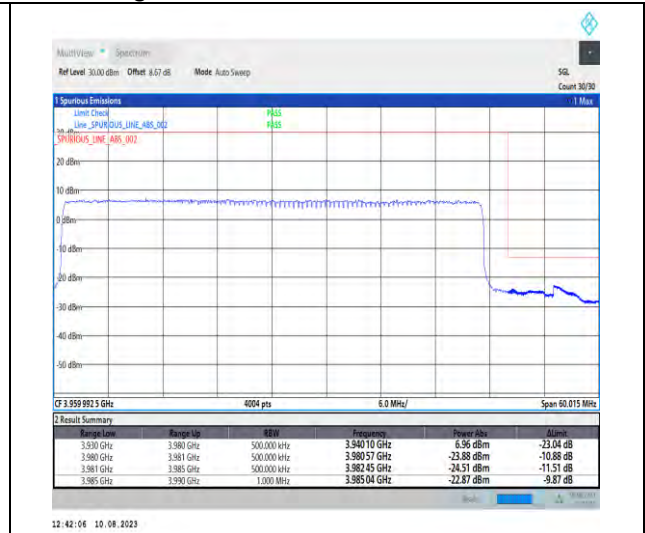
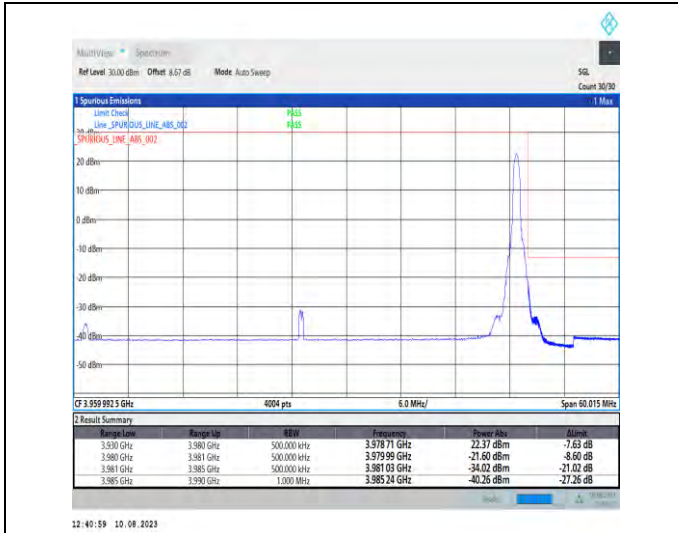
1-N77-3700-3980-PC2-30-50-L-6-CP-QPSK-Outer_Full-133@0-Ant1-1--PASS-see graph



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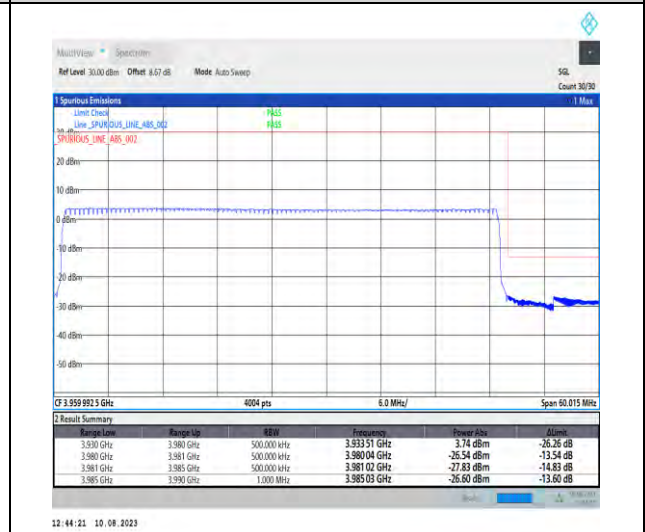
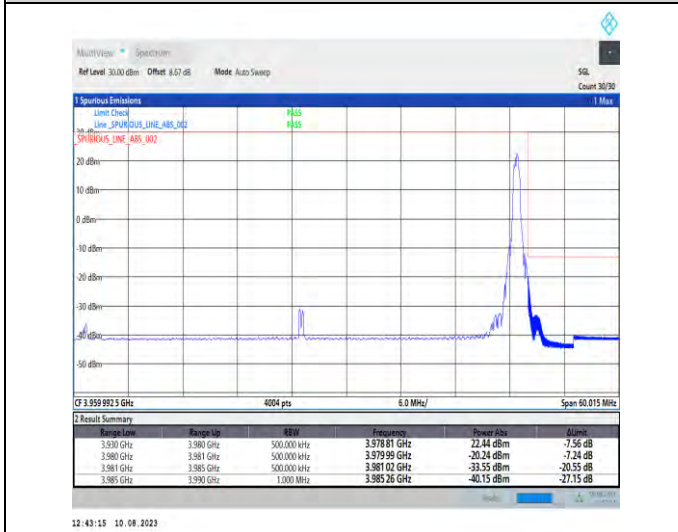
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1-N77-3700-3980-PC2-30-50-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@132-Ant1-1--PASS-see graph

1-N77-3700-3980-PC2-30-50-H-3-DFT-PI2BPSK-Outer_Full-128@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-50-H-5-CP-QPSK-Edge_1RB_Right-1@132-Ant1-1--PASS-see graph

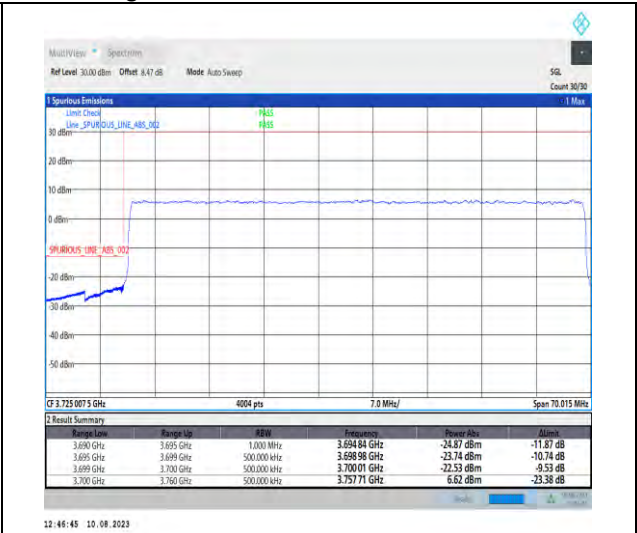
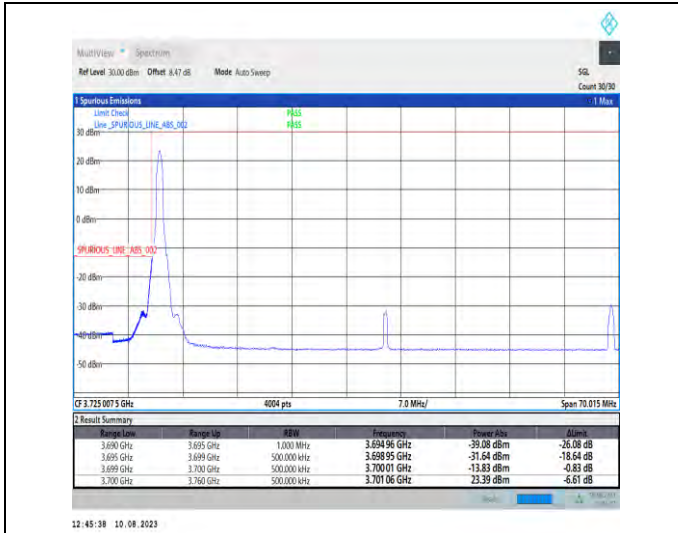
1-N77-3700-3980-PC2-30-50-H-6-CP-QPSK-Outer_Full-133@0-Ant1-1--PASS-see graph



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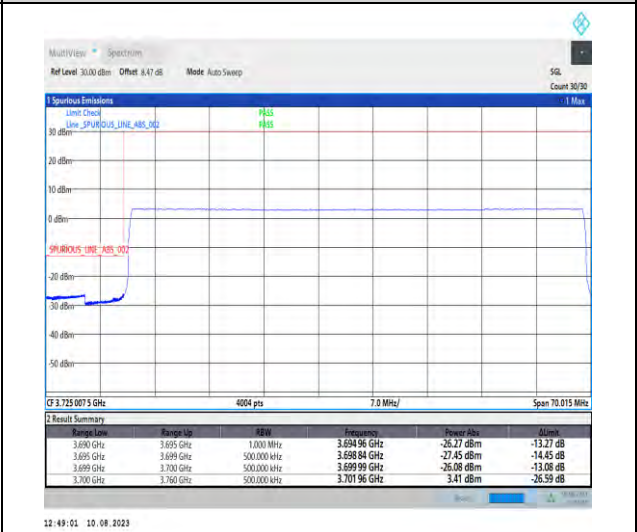
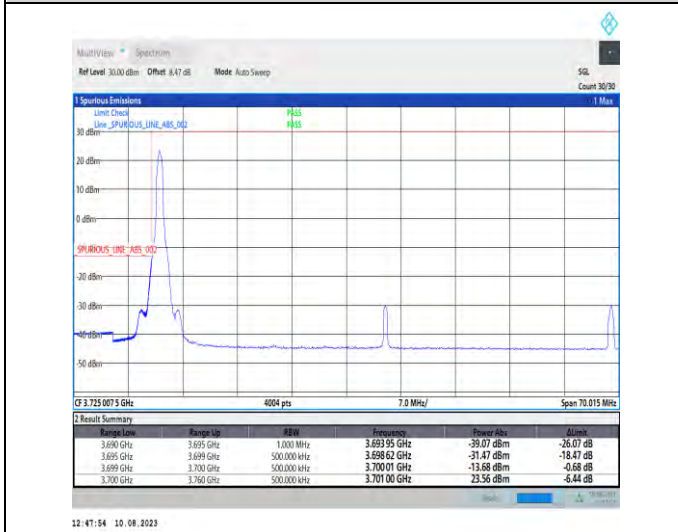
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1-N77-3700-3980-PC2-30-60-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N77-3700-3980-PC2-30-60-L-3-DFT-PI2BPSK-Outer_Full-162@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-60-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N77-3700-3980-PC2-30-60-L-6-CP-QPSK-Outer_Full-162@0-Ant1-1--PASS-see graph



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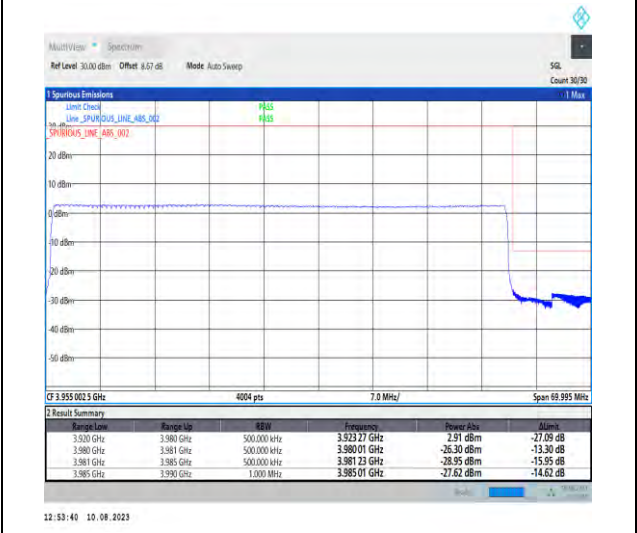
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1-N77-3700-3980-PC2-30-60-H-3-DFT-PI2BPSK-Outer_Full-162@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-60-H-5-CP-QPSK-Edge_1RB_Right-1@161-Ant1-1--PASS-see graph

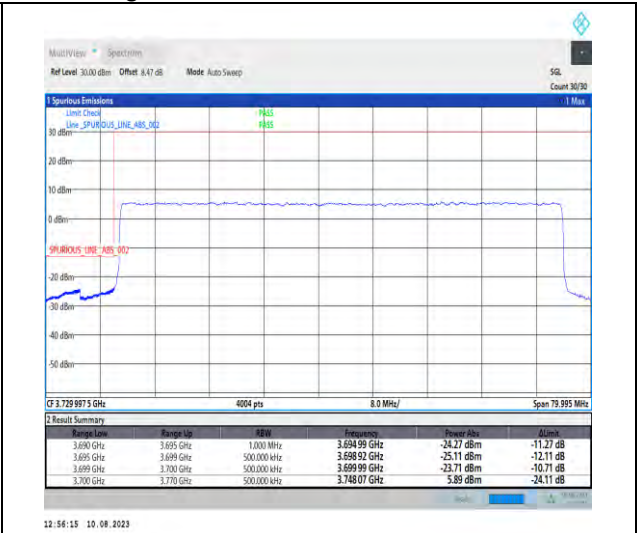
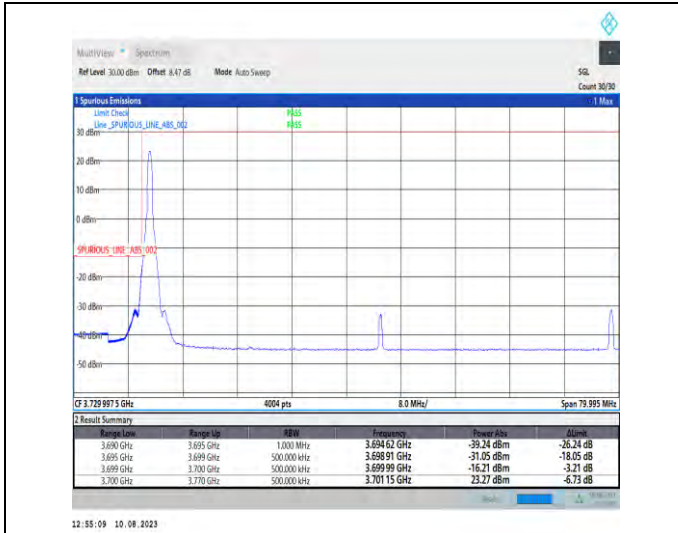
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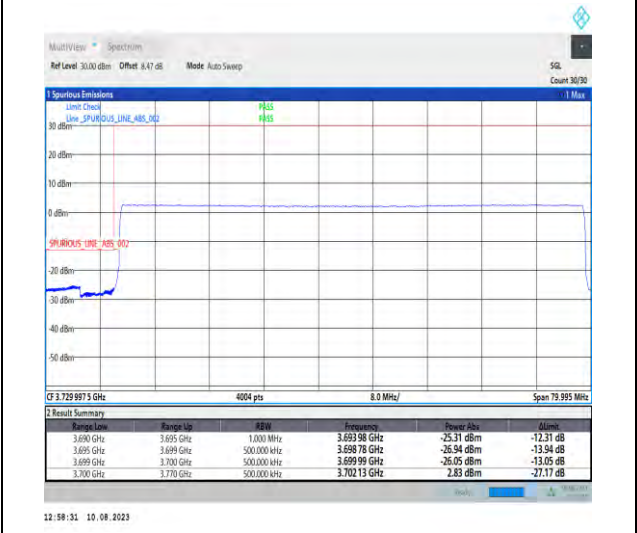
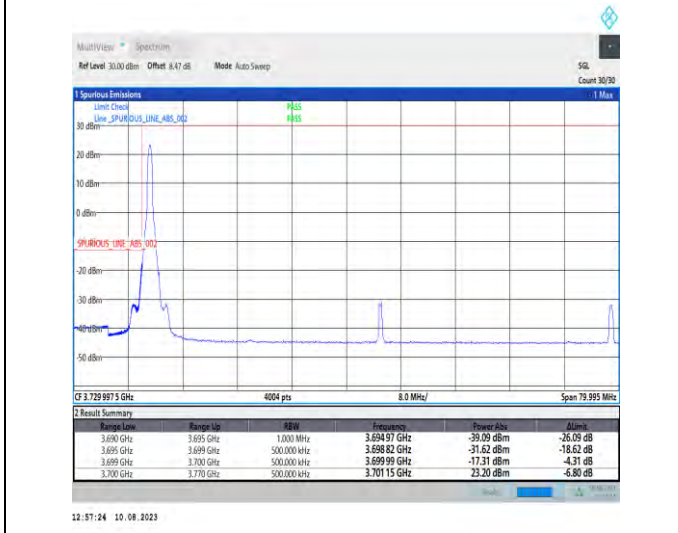
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1-N77-3700-3980-PC2-30-70-L-3-DFT-PI2BPSK-Outer_Full-180@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-70-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N77-3700-3980-PC2-30-70-L-6-CP-QPSK-Outer_Full-189@0-Ant1-1--PASS-see graph

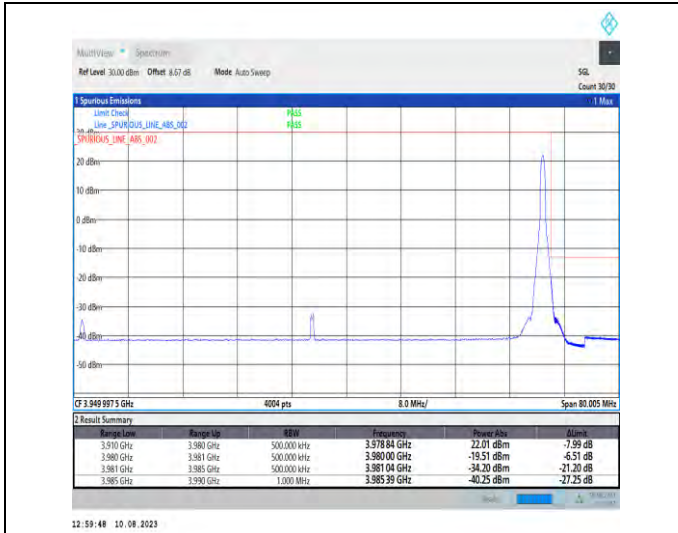


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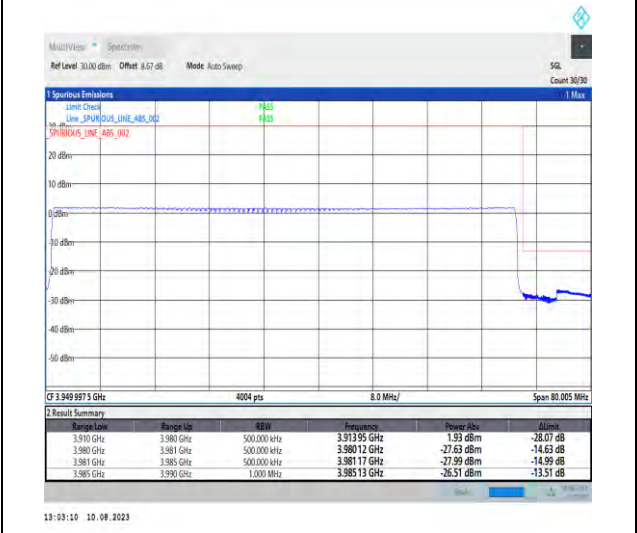
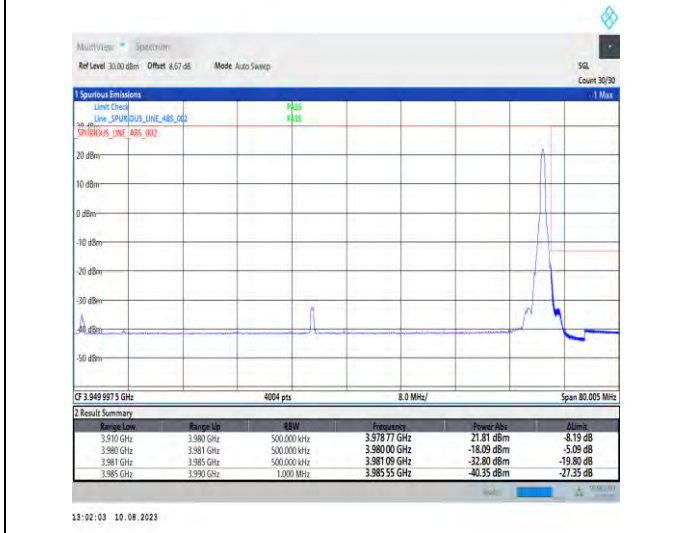
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1-N77-3700-3980-PC2-30-70-H-3-DFT-PI2BPSK-Outer_Full-180@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-70-H-5-CP-QPSK-Edge_1RB_Right-1@188-Ant1-1--PASS-see graph

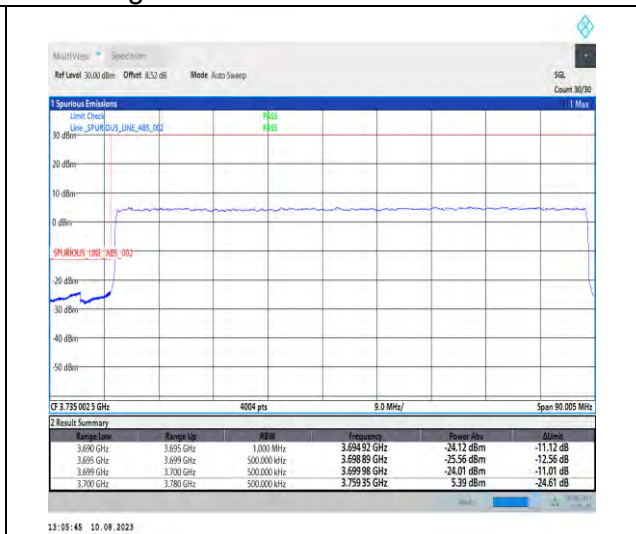
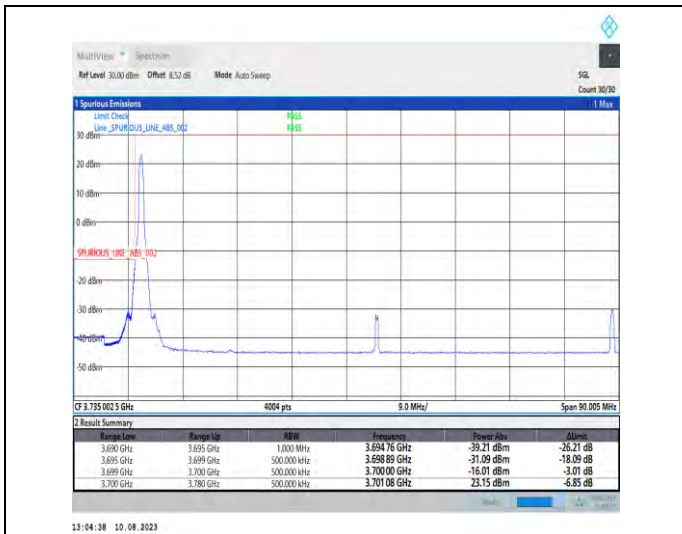
1-N77-3700-3980-PC2-30-70-H-6-CP-QPSK-Outer_Full-189@0-Ant1-1--PASS-see graph



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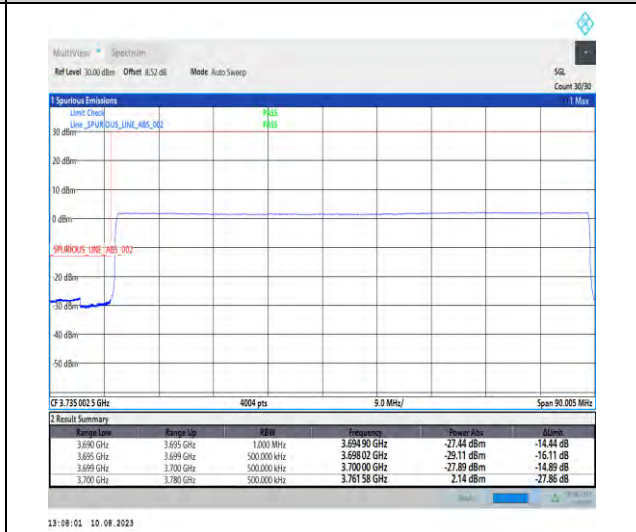
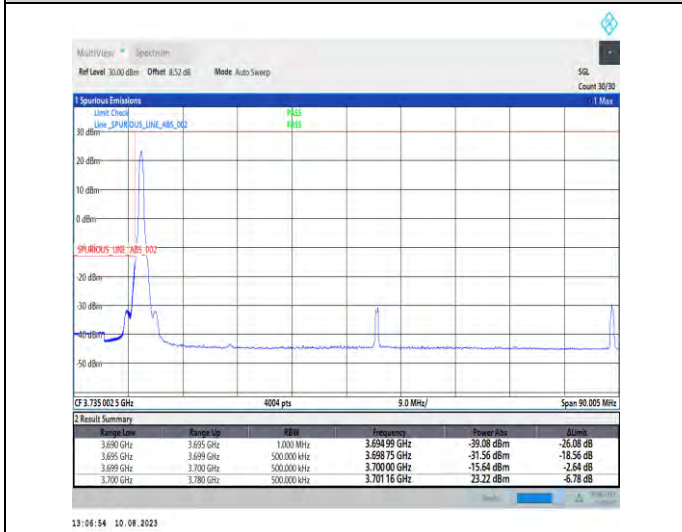
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1-N77-3700-3980-PC2-30-80-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N77-3700-3980-PC2-30-80-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-80-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

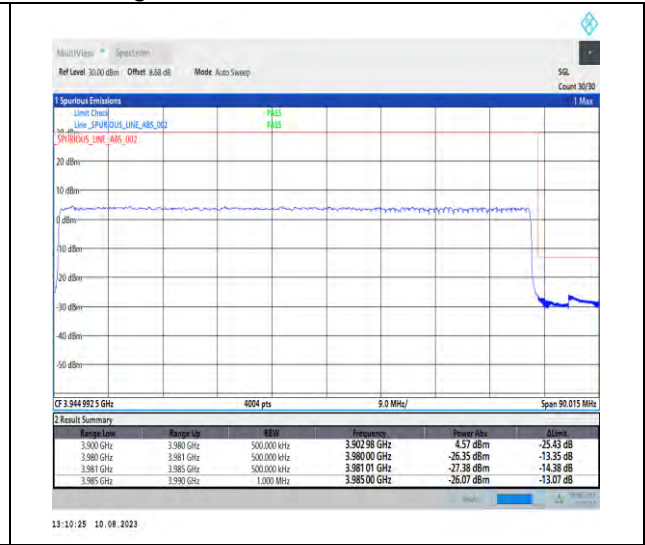
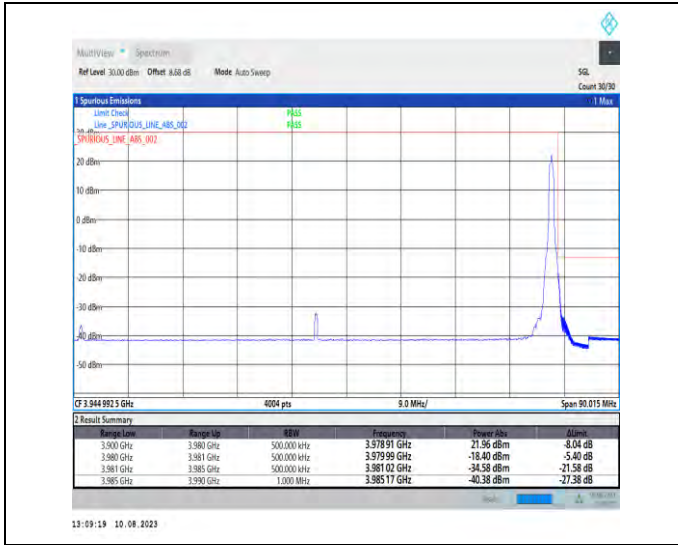
1-N77-3700-3980-PC2-30-80-L-6-CP-QPSK-Outer_Full-217@0-Ant1-1--PASS-see graph



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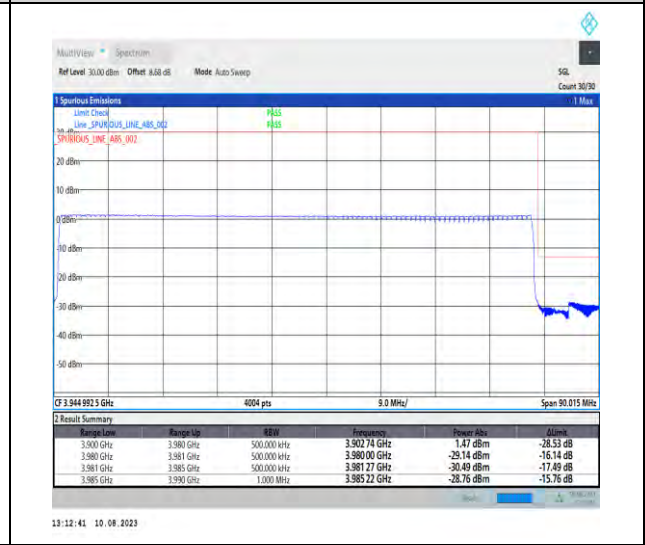
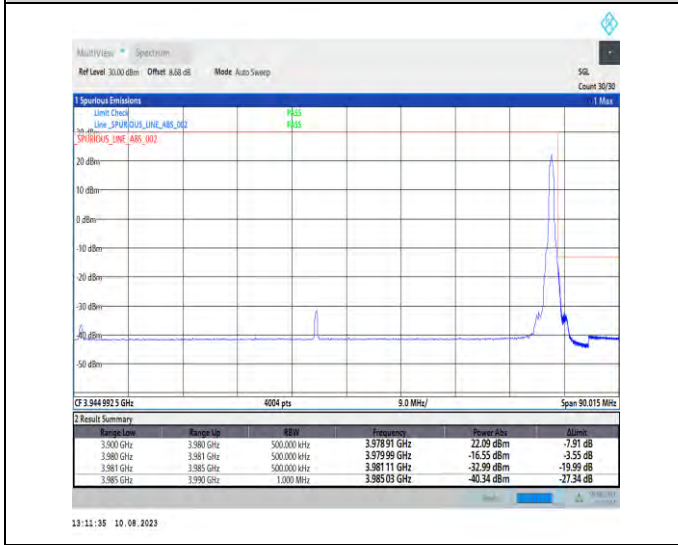
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1-N77-3700-3980-PC2-30-80-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@216-Ant1-1--PASS-see graph

1-N77-3700-3980-PC2-30-80-H-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-80-H-5-CP-QPSK-Edge_1RB_Right-1@216-Ant1-1--PASS-see graph

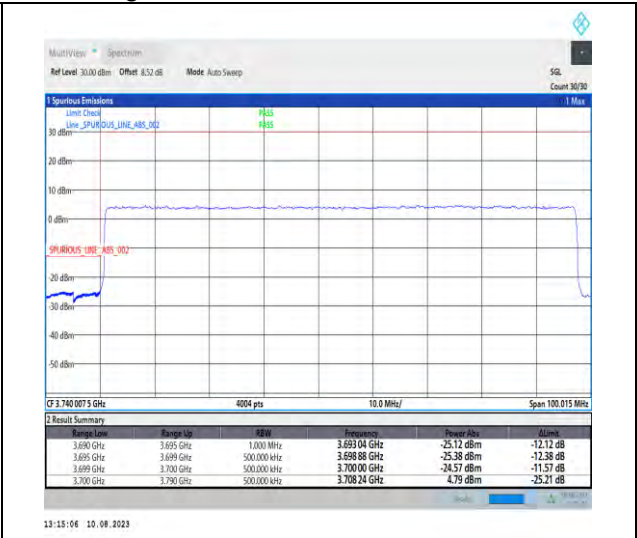
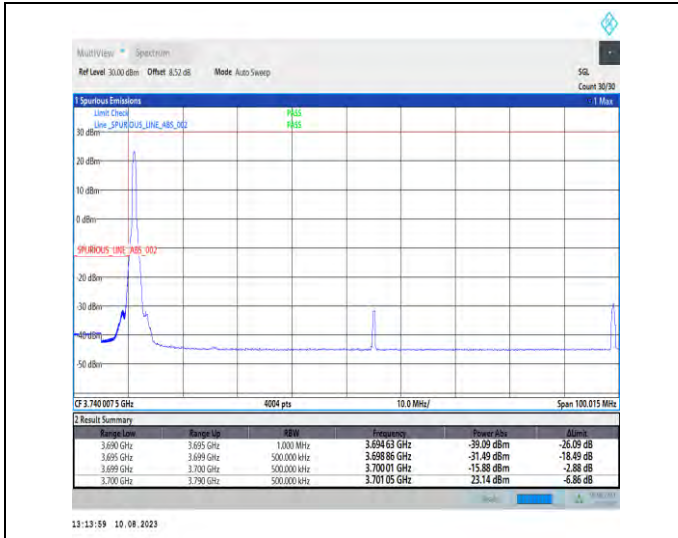
1-N77-3700-3980-PC2-30-80-H-6-CP-QPSK-Outer_Full-217@0-Ant1-1--PASS-see graph



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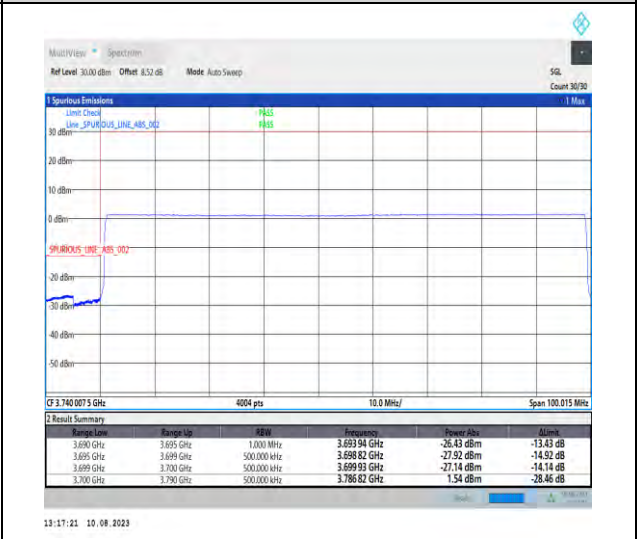
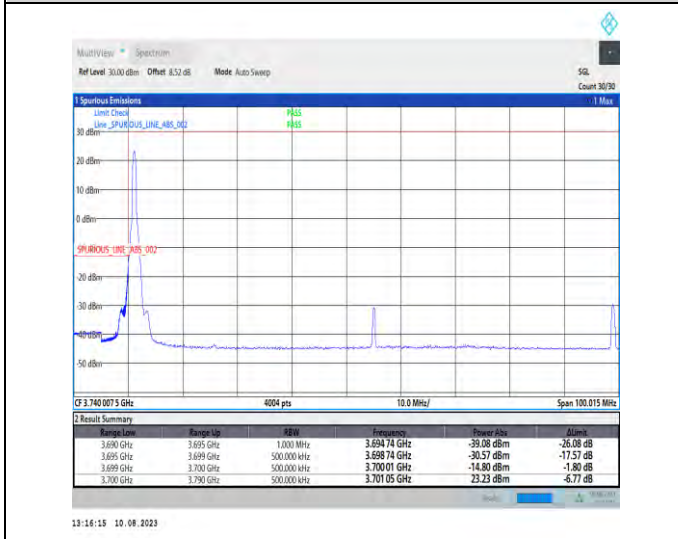
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1-N77-3700-3980-PC2-30-90-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

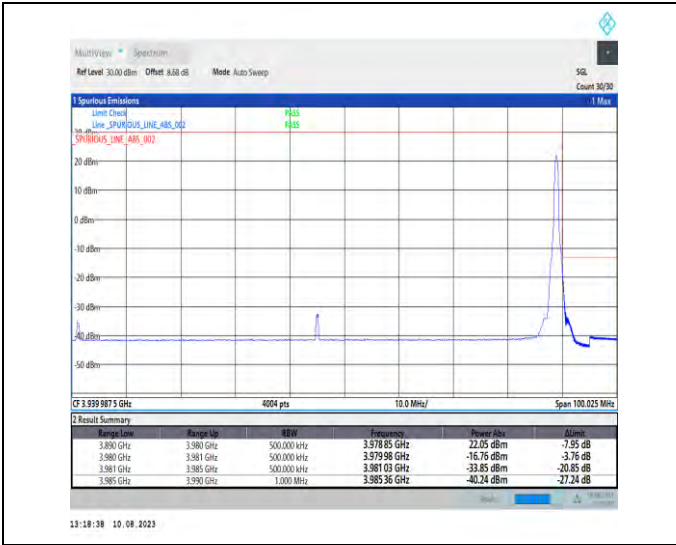
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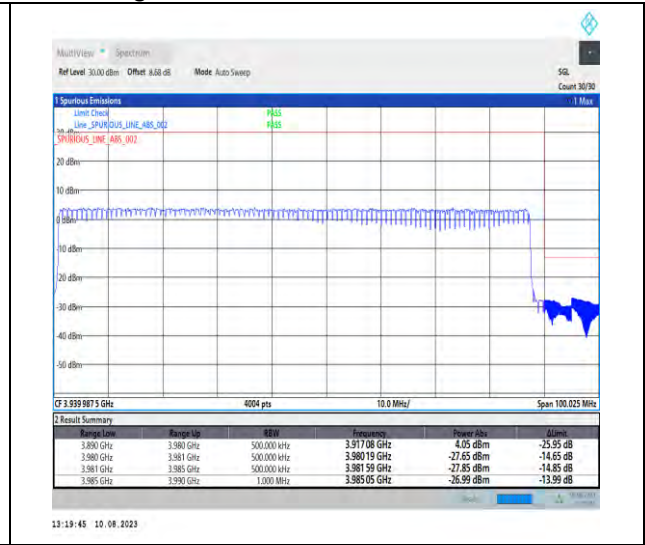
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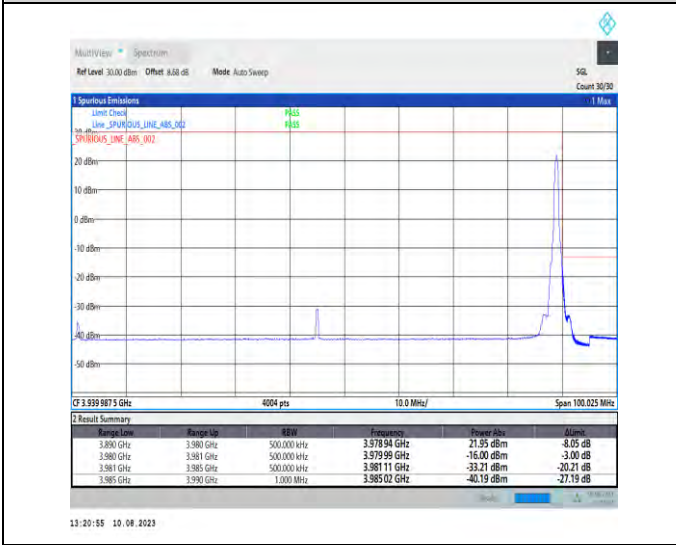




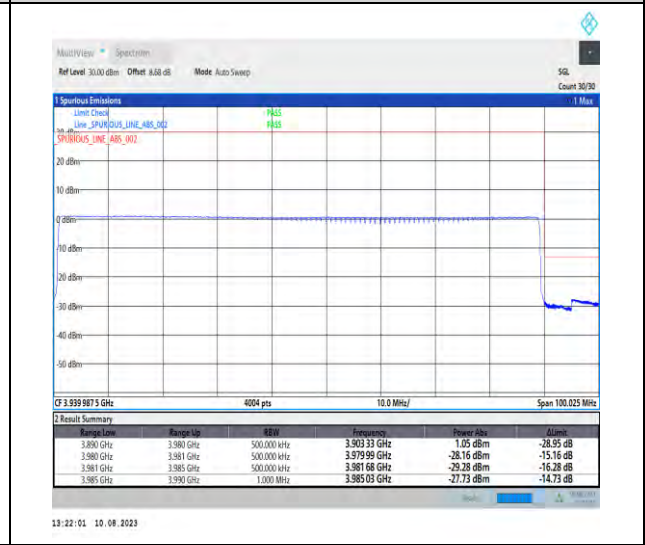
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1-N77-3700-3980-PC2-30-90-H-3-DFT-PI2BPSK-Outer_Full-240@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-90-H-5-CP-QPSK-Edge_1RB_Right-1@244-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-90-H-6-CP-QPSK-Outer_Full-245@0-Ant1-1--PASS-see graph

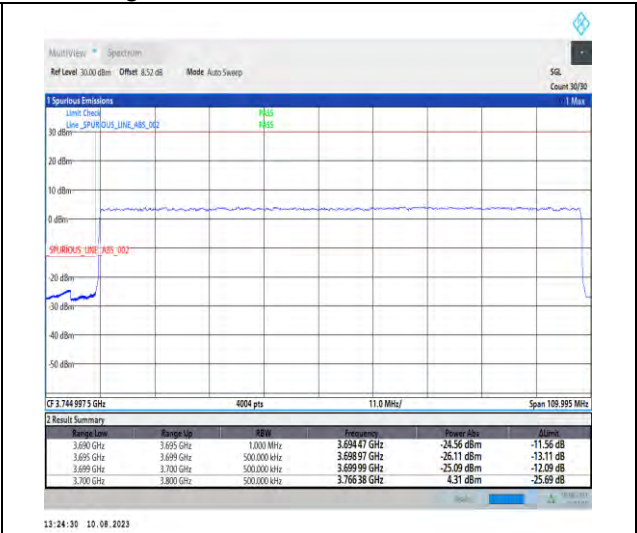
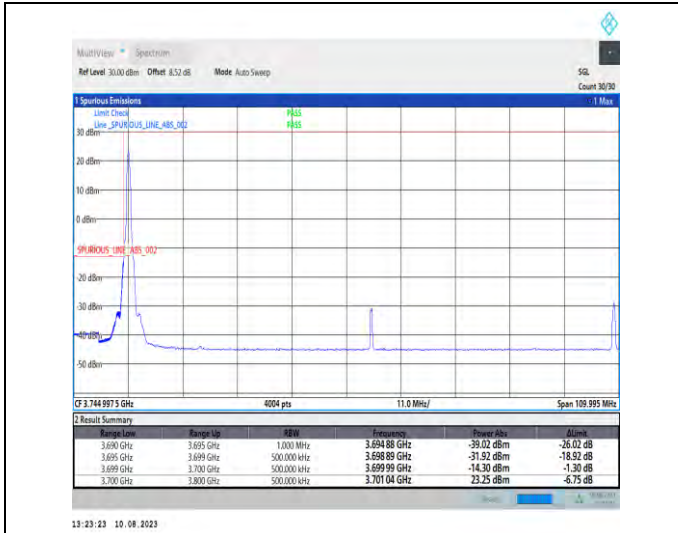


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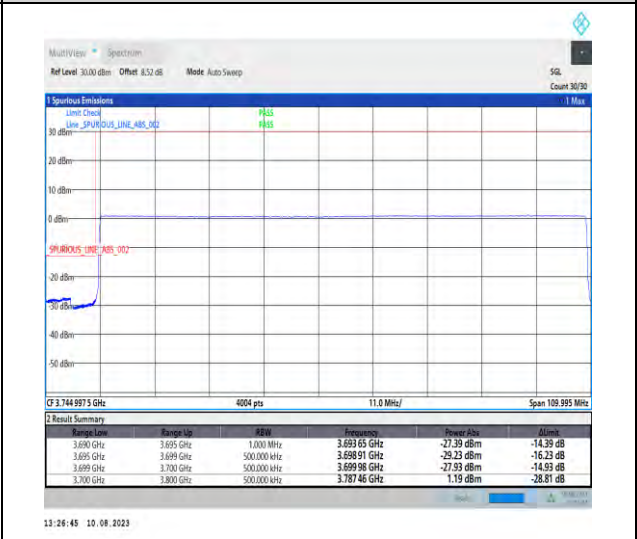
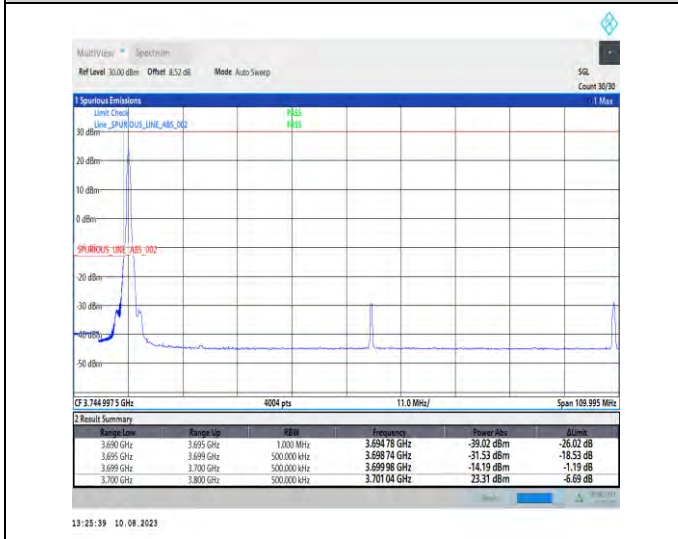
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1-N77-3700-3980-PC2-30-100-L-1-DFT-PI2BPSK-Edge_e_1RB_Left-1@0-Ant1-1--PASS-see graph

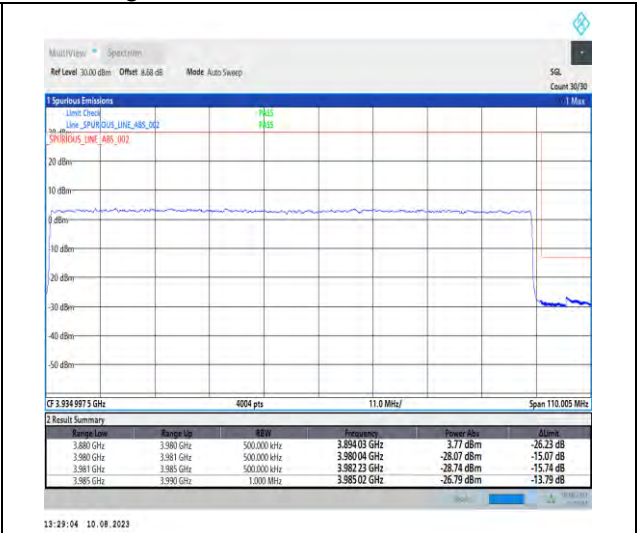
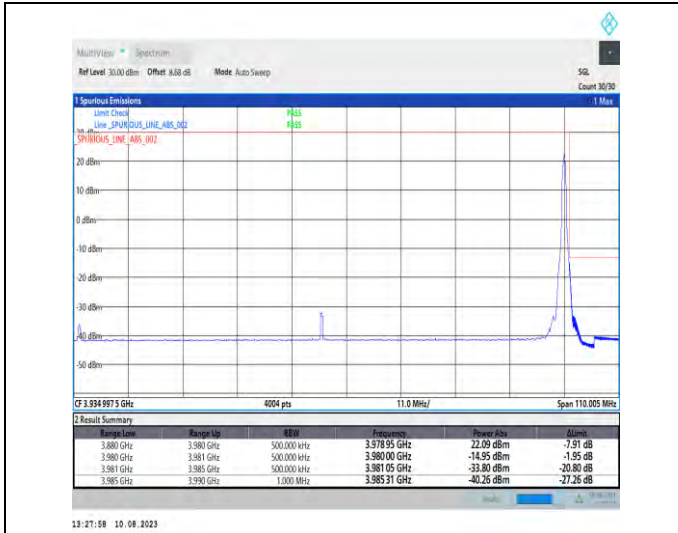
1-N77-3700-3980-PC2-30-100-L-3-DFT-PI2BPSK-Outer_Full-270@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-100-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

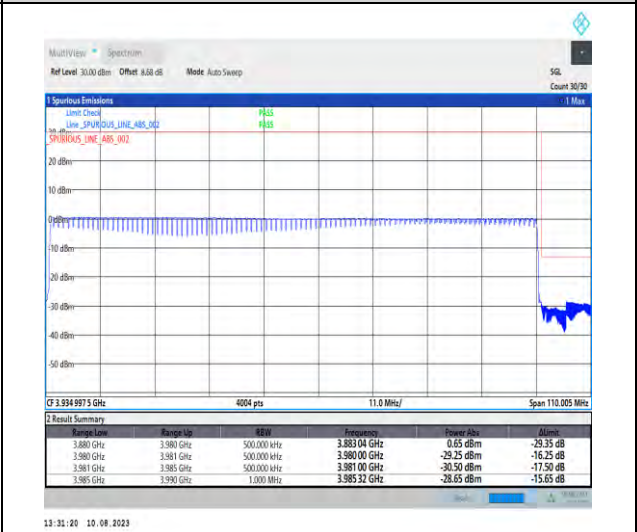
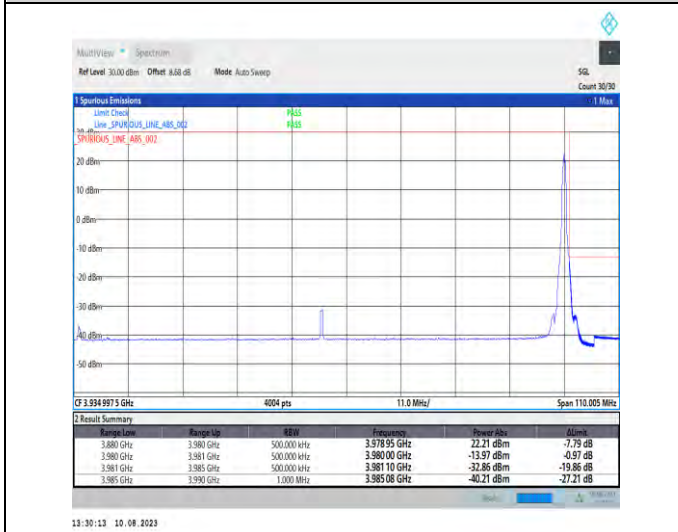
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1-N77-3700-3980-PC2-30-100-H-2-DFT-PI2BPSK-Edge_1_RB_Right-1@272-Ant1-1--PASS-see graph

1-N77-3700-3980-PC2-30-100-H-3-DFT-PI2BPSK-Outer_Full-270@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC2-30-100-H-5-CP-QPSK-Edge_1_RB_Right-1@272-Ant1-1--PASS-see graph

1-N77-3700-3980-PC2-30-100-H-6-CP-QPSK-Outer_Full-273@0-Ant1-1--PASS-see graph



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Conducted Spurious Emission for SA

Test Graphs

<p>1-N77-3700-3980-PC2-30-100-L-1-N/A-DFT-PI2BPS K-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.02--80.28 --43-PASS</p>	<p>1-N77-3700-3980-PC2-30-100-L-1-N/A-DFT-PI2BPS K-Inner_1RB_Left-1@1-0.15-30-Ant1-0.33--82.24--3 3-PASS</p>
<p>1-N77-3700-3980-PC2-30-100-L-1-N/A-DFT-PI2BPS K-Inner_1RB_Left-1@1-30-1000-Ant1-55.71--67.55- -13-PASS</p>	<p>1-N77-3700-3980-PC2-30-100-L-1-N/A-DFT-PI2BPS K-Inner_1RB_Left-1@1-1000-6000-Ant1-5489.00--3 7.95--13-PASS</p>

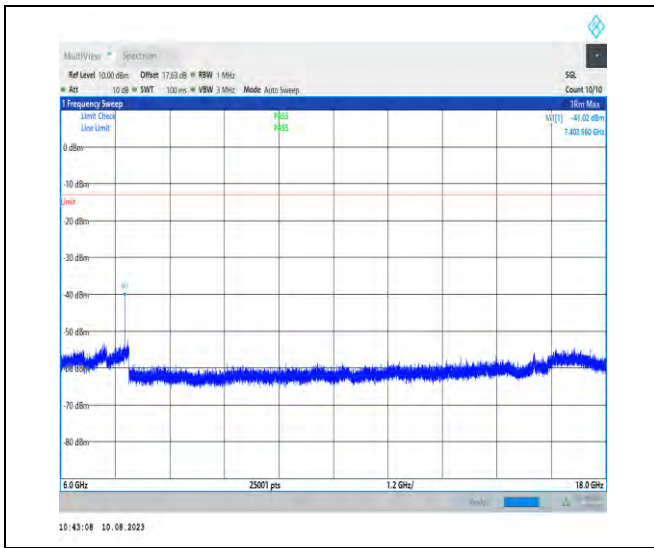


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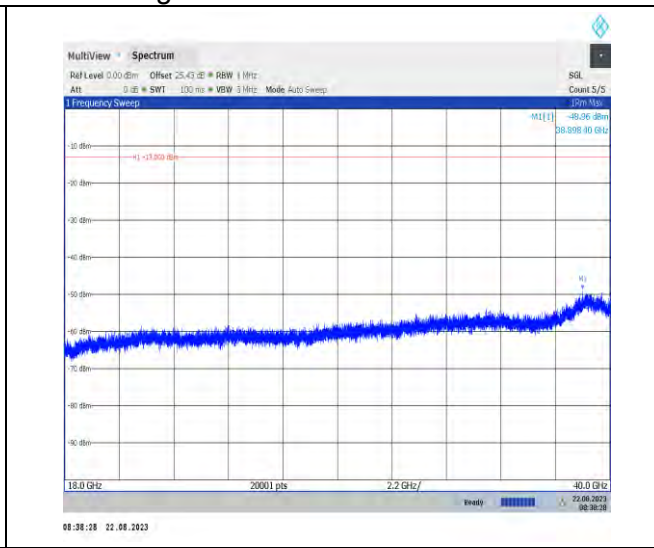
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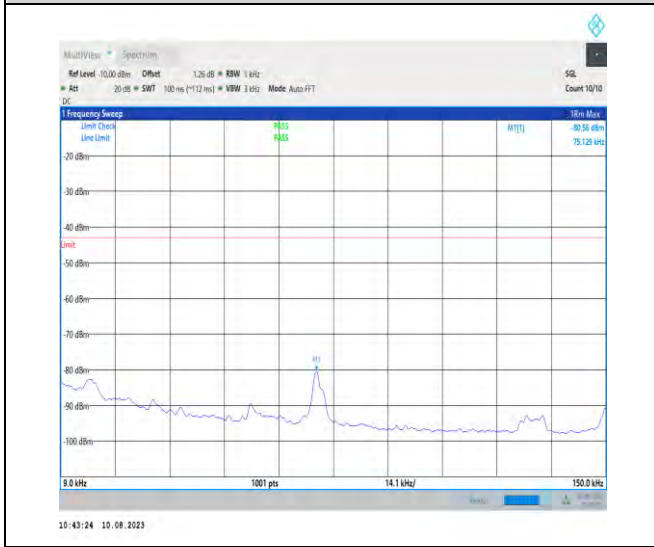
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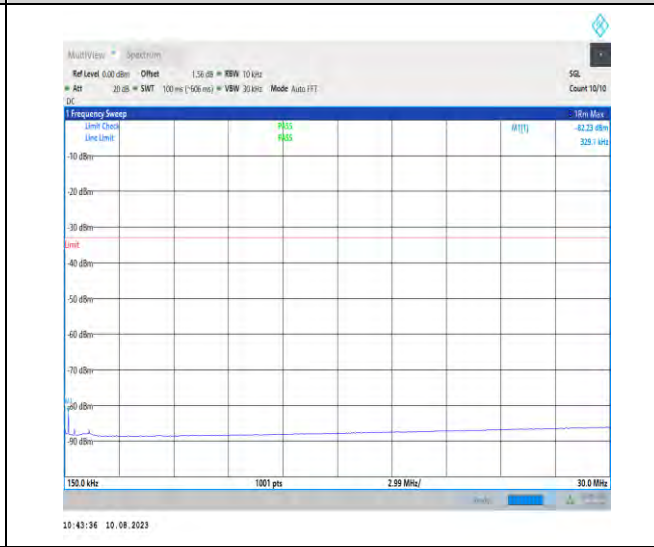
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 -41.02--13-PASS



1-N77-3700-3980-PC2-30-100-L-1-N/A-DFT-PI2BPS
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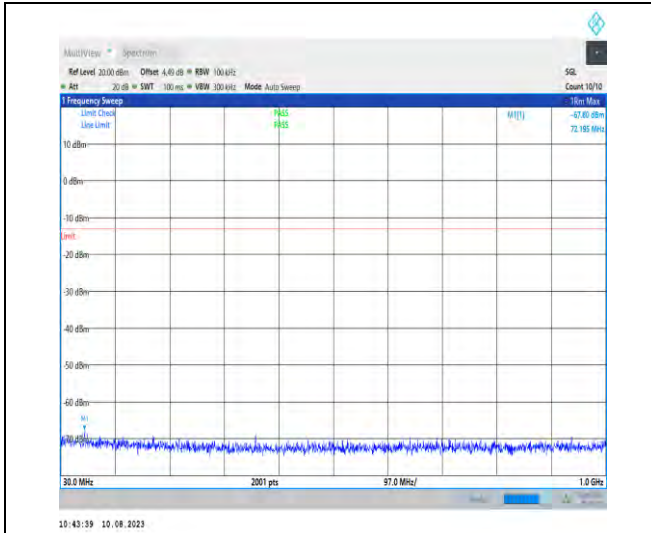


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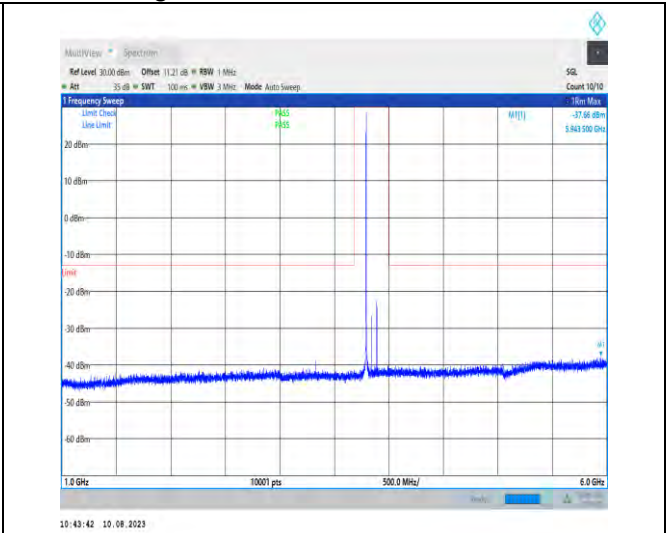


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 3-PASS

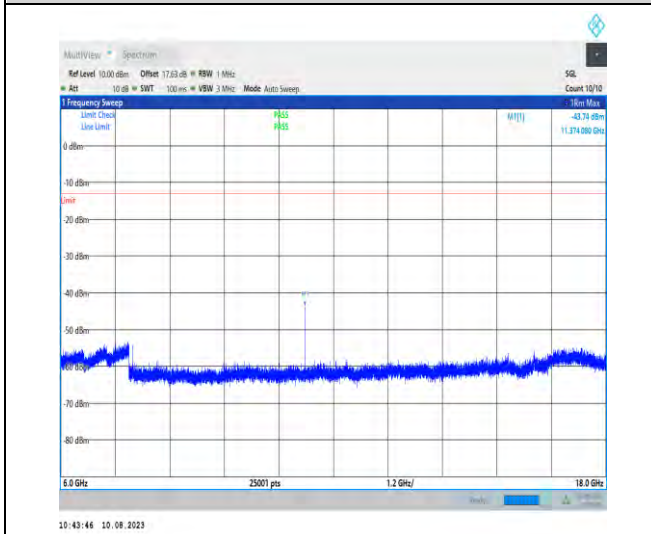




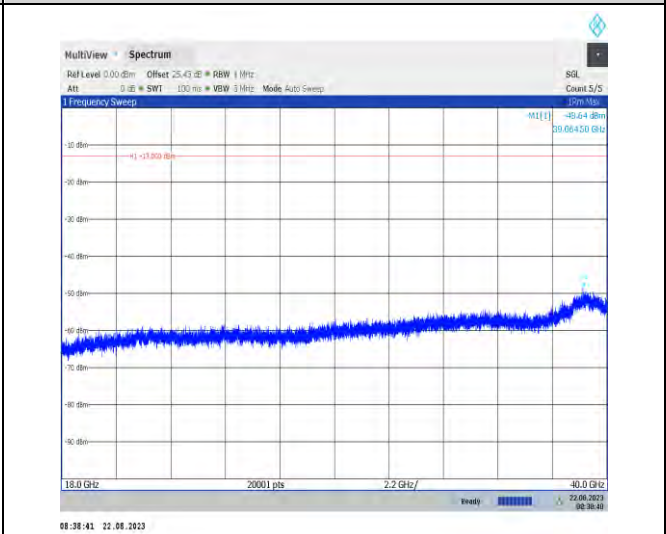
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SK-Inner_1RB_Left-1@1-30-1000-Ant1-44.07--67.8
0--13-PASS



1-N77-3700-3980-PC2-30-100-M-1-N/A-DFT-PI2BPS
K-Inner_1RB_Left-1@1-1000-6000-Ant1-5335.50--3
7.66--13-PASS



1-N77-3700-3980-PC2-30-100-M-1-N/A-DFT-PI2BP
SK-Inner_1RB_Left-1@1-6000-18000-Ant1-11374.5
6--43.74--13-PASS



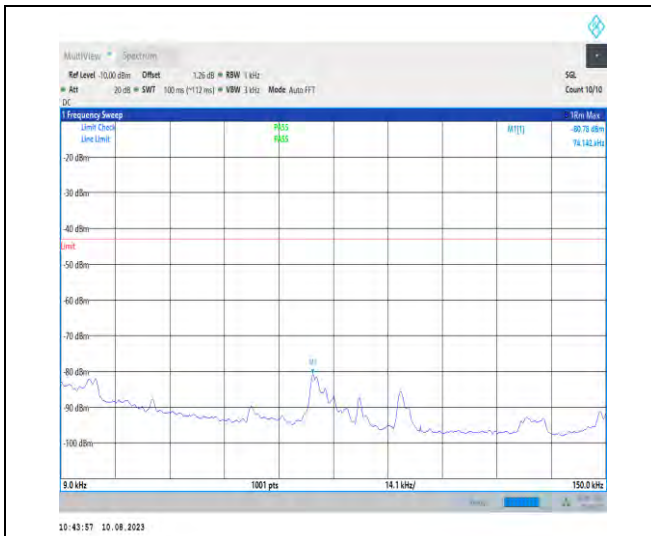
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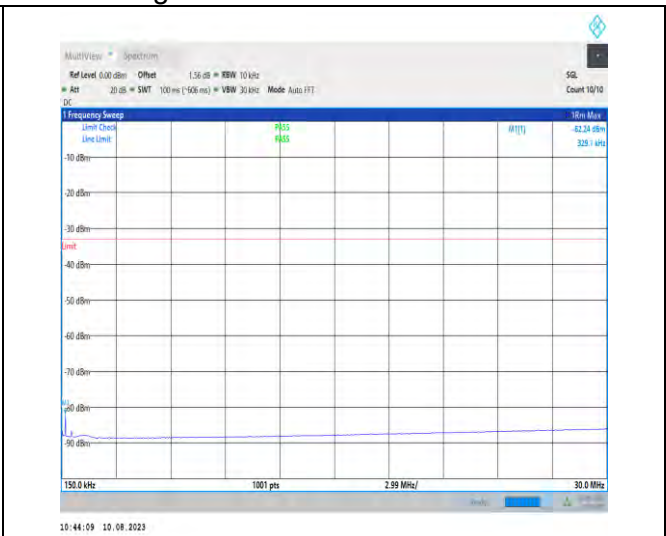
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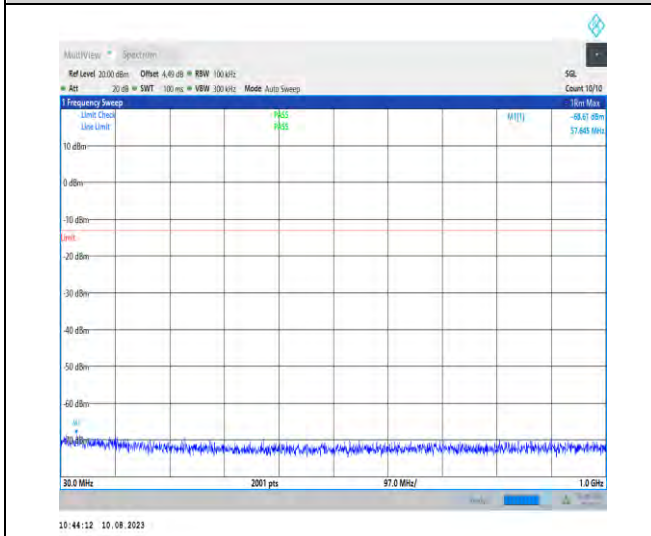
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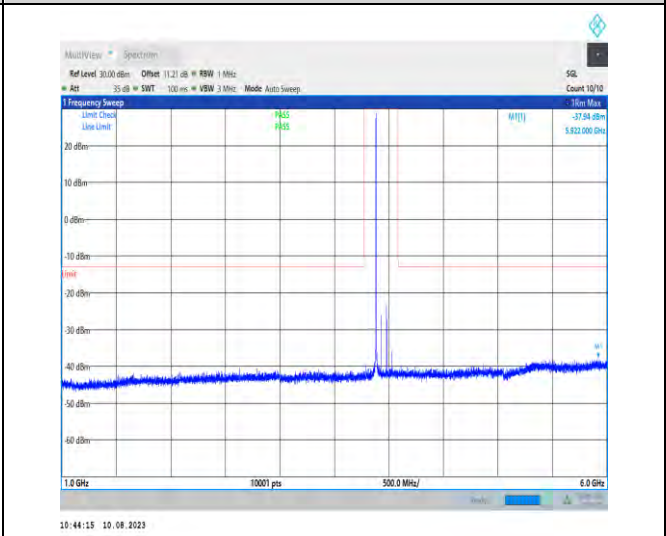
1-N77-3700-3980-PC2-30-100-H-1-N/A-DFT-PI2BP
SK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.07--80.
78--43-PASS



1-N77-3700-3980-PC2-30-100-H-1-N/A-DFT-PI2BPS
K-Inner_1RB_Left-1@1-0.15-30-Ant1-0.33--82.24--3
3-PASS



1-N77-3700-3980-PC2-30-100-H-1-N/A-DFT-PI2BP
SK-Inner_1RB_Left-1@1-30-1000-Ant1-58.13--68.6
1--13-PASS



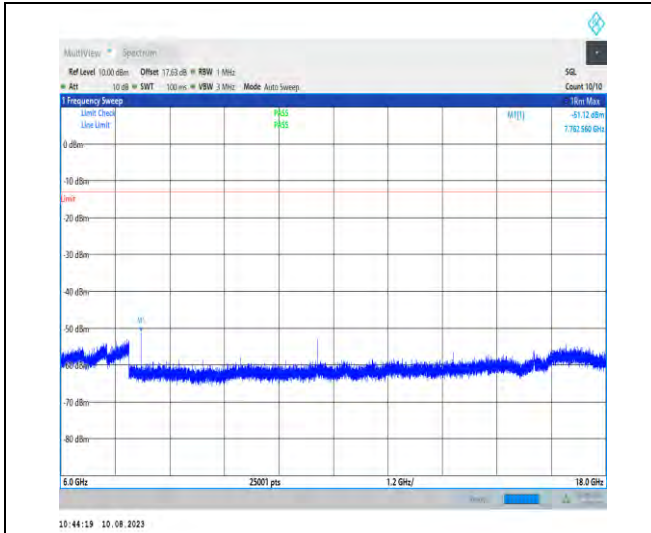
1-N77-3700-3980-PC2-30-100-H-1-N/A-DFT-PI2BPS
K-Inner_1RB_Left-1@1-1000-6000-Ant1-5915.00--3
7.94--13-PASS



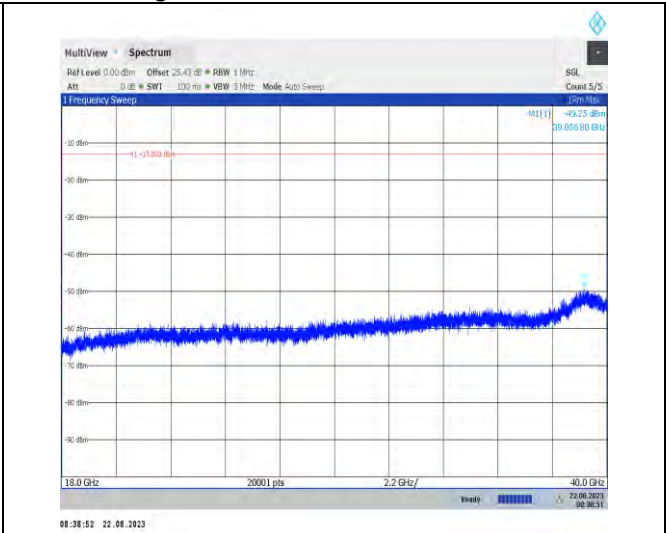
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1-N77-3700-3980-PC2-30-100-H-1-N/A-DFT-PI2BP
 SK-Inner_1RB_Left-1@1-6000-18000-Ant1-7762.56
 --51.12--13-PASS



1-N77-3700-3980-PC2-30-100-H-1-N/A-DFT-PI2BPS
 K-Inner_1RB_Left-1@1-18000-40000-Ant1-18000.00
 --56.04--13-PASS



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Field Strength of Spurious Radiation

Test Band = NR_Band 77(3700~3980)_ Ant2TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7302.125	55.08	-46.00	36.33	-49.86	-13.00	36.86	295	27	Vertical
2	9355.8333	41.35	-42.87	37.92	-58.86	-13.00	45.86	174	187	Vertical
3	13903.6042	37.77	-38.37	40.68	-55.18	-13.00	42.18	166	345	Vertical
4	17972.2083	36.47	-37.06	45.12	-50.73	-13.00	37.73	135	48	Vertical
5	10965.27	37.41	-40.40	39.37	-58.88	-13.00	45.88	214	260	Vertical
6	14620.36	35.27	-38.14	40.40	-57.72	-13.00	44.72	166	350	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7302.125	53.42	-46.00	36.33	-51.52	-13.00	38.52	284	79	Horizontal
2	9311.2708	41.60	-42.93	37.88	-58.71	-13.00	45.71	199	261	Horizontal
3	12034.375	37.89	-38.85	39.18	-57.04	-13.00	44.04	265	235	Horizontal
4	17957.3542	36.84	-37.10	45.03	-50.49	-13.00	37.49	234	16	Horizontal
5	10965.27	37.05	-40.40	39.37	-59.24	-13.00	46.24	175	0	Horizontal
6	14620.36	35.85	-38.14	40.40	-57.14	-13.00	44.14	162	85	Horizontal



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Test Band = NR_Band 77(3700~3980)_ Ant 2TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7401.7917	54.23	-45.57	36.56	-50.04	-13.00	37.04	247	45	Vertical
2	9575.7708	40.69	-41.95	38.12	-58.40	-13.00	45.40	265	221	Vertical
3	13904.5625	37.50	-38.38	40.68	-55.46	-13.00	42.46	235	65	Vertical
4	17621.9375	36.59	-36.97	42.88	-52.76	-13.00	39.76	142	189	Vertical
5	11835.27	36.41	-39.48	39.23	-59.10	-13.00	46.10	175	70	Vertical
6	15180.36	34.62	-37.74	39.76	-58.62	-13.00	45.62	289	162	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7402.2708	57.35	-45.57	36.57	-46.92	-13.00	33.92	271	18	Horizontal
2	9565.2292	41.08	-42.05	38.11	-58.12	-13.00	45.12	149	44	Horizontal
3	13714.8125	38.10	-38.03	40.24	-54.95	-13.00	41.95	256	239	Horizontal
4	17516.5208	35.95	-36.22	42.21	-53.33	-13.00	40.33	234	144	Horizontal
5	11835.27	36.71	-39.48	39.23	-58.80	-13.00	45.80	175	355	Horizontal
6	15180.36	34.48	-37.74	39.76	-58.76	-13.00	45.76	204	345	Horizontal



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Test Band = NR_Band 77(3700~3980)_ Ant 2TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9330.9167	41.83	-42.90	37.90	-58.43	-13.00	45.43	248	196	Vertical
2	14185.3542	37.27	-38.24	40.75	-55.47	-13.00	42.47	179	3	Vertical
3	17580.7292	36.39	-36.61	42.62	-52.87	-13.00	39.87	255	359	Vertical
4	7870.18	42.04	-44.95	36.36	-61.81	-13.00	48.81	146	27	Vertical
5	11805.27	37.10	-39.28	39.24	-58.20	-13.00	45.20	235	254	Vertical
6	15740.36	35.58	-37.99	38.69	-58.98	-13.00	45.98	174	144	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	10082.7292	39.92	-41.65	38.57	-58.41	-13.00	45.41	117	138	Horizontal
2	14815.4583	37.44	-37.67	40.25	-55.25	-13.00	42.25	148	345	Horizontal
3	17413.5	36.57	-37.06	41.55	-54.21	-13.00	41.21	289	27	Horizontal
4	7870.18	41.68	-44.95	36.36	-62.17	-13.00	49.17	163	11	Horizontal
5	11805.27	36.12	-39.28	39.24	-59.18	-13.00	46.18	254	303	Horizontal
6	15740.36	35.95	-37.99	38.69	-58.61	-13.00	45.61	176	244	Horizontal



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Test Band = NR_Band 77(3700~3980)_ Ant 6TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9574.8125	40.92	-41.96	38.12	-58.18	-13.00	45.18	195	182	Vertical
2	13671.2083	37.24	-38.05	40.14	-55.92	-13.00	42.92	264	25	Vertical
3	17616.6667	35.95	-36.91	42.85	-53.38	-13.00	40.38	175	239	Vertical
4	7310.18	42.31	-45.96	36.34	-62.57	-13.00	49.57	133	360	Vertical
5	10965.27	37.60	-40.40	39.37	-58.69	-13.00	45.69	201	266	Vertical
6	14620.36	35.83	-38.14	40.40	-57.16	-13.00	44.16	145	176	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8821.0833	41.60	-43.79	37.35	-60.11	-13.00	47.11	297	115	Horizontal
2	12251.4375	38.05	-39.52	39.05	-57.69	-13.00	44.69	129	121	Horizontal
3	16741.2292	37.23	-37.75	38.72	-57.06	-13.00	44.06	176	12	Horizontal
4	7310.18	42.95	-45.96	36.34	-61.93	-13.00	48.93	264	59	Horizontal
5	10965.27	37.98	-40.40	39.37	-58.31	-13.00	45.31	142	360	Horizontal
6	14620.36	35.62	-38.14	40.40	-57.37	-13.00	44.37	201	127	Horizontal



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Test Band = NR_Band 77(3700~3980)_ Ant 6TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7402.2708	50.10	-45.57	36.57	-54.17	-13.00	41.17	229	64	Vertical
2	7855.0833	43.69	-44.94	36.37	-60.13	-13.00	47.13	179	37	Vertical
3	9322.2917	41.52	-42.91	37.89	-58.76	-13.00	45.76	238	64	Vertical
4	10867.125	38.88	-40.26	39.28	-57.36	-13.00	44.36	146	283	Vertical
5	11835.27	36.11	-39.48	39.23	-59.40	-13.00	46.40	254	268	Vertical
6	15180.36	34.67	-37.74	39.76	-58.57	-13.00	45.57	123	262	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7402.2708	47.98	-45.57	36.57	-56.29	-13.00	43.29	181	116	Horizontal
2	7828.7292	43.96	-44.92	36.41	-59.81	-13.00	46.81	209	136	Horizontal
3	9528.8125	40.97	-42.38	38.08	-58.60	-13.00	45.60	268	88	Horizontal
4	17973.6458	36.59	-37.05	45.13	-50.59	-13.00	37.59	175	116	Horizontal
5	11835.27	35.85	-39.48	39.23	-59.66	-13.00	46.66	135	73	Horizontal
6	15180.36	34.52	-37.74	39.76	-58.72	-13.00	45.72	147	237	Horizontal



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Test Band = NR_Band 77(3700~3980)_ Ant 6TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9289.2292	41.36	-42.94	37.86	-58.98	-13.00	45.98	214	178	Vertical
2	10771.7708	39.43	-40.55	39.19	-57.19	-13.00	44.19	155	242	Vertical
3	13726.7917	37.48	-38.10	40.27	-55.61	-13.00	42.61	196	78	Vertical
4	7870.18	42.38	-44.95	36.36	-61.47	-13.00	48.47	235	335	Vertical
5	11805.27	36.17	-39.28	39.24	-59.13	-13.00	46.13	172	355	Vertical
6	15740.36	35.40	-37.99	38.69	-59.16	-13.00	46.16	166	209	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9344.3333	41.53	-42.88	37.91	-58.70	-13.00	45.70	185	99	Horizontal
2	10752.125	39.42	-40.62	39.18	-57.29	-13.00	44.29	196	52	Horizontal
3	13952.4792	37.95	-38.76	40.79	-55.28	-13.00	42.28	243	360	Horizontal
4	7870.18	41.48	-44.95	36.36	-62.37	-13.00	49.37	175	289	Horizontal
5	11805.27	35.74	-39.28	39.24	-59.56	-13.00	46.56	166	147	Horizontal
6	15740.36	35.72	-37.99	38.69	-58.84	-13.00	45.84	209	359	Horizontal



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Test Band = NR_Band 77(3700~3980)_ Ant 7TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7302.125	51.40	-46.00	36.33	-53.54	-13.00	40.54	247	32	Vertical
2	8871.3958	42.09	-43.64	37.42	-59.39	-13.00	46.39	169	323	Vertical
3	13729.6667	38.51	-38.12	40.28	-54.59	-13.00	41.59	235	185	Vertical
4	17969.3333	36.81	-37.07	45.10	-50.41	-13.00	37.41	284	47	Vertical
5	10965.27	37.39	-40.40	39.37	-58.90	-13.00	45.90	156	5	Vertical
6	14620.36	36.69	-38.14	40.40	-56.30	-13.00	43.30	201	90	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7302.125	51.74	-46.00	36.33	-53.20	-13.00	40.20	139	53	Horizontal
2	8833.0625	42.24	-43.76	37.37	-59.41	-13.00	46.41	287	206	Horizontal
3	9573.375	40.96	-41.97	38.12	-58.16	-13.00	45.16	146	321	Horizontal
4	17973.1667	37.37	-37.06	45.13	-49.82	-13.00	36.82	224	79	Horizontal
5	10965.27	37.35	-40.40	39.37	-58.94	-13.00	45.94	146	348	Horizontal
6	14620.36	36.13	-38.14	40.40	-56.86	-13.00	43.86	235	312	Horizontal



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Test Band = NR_Band 77(3700~3980)_ Ant 7TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7402.2708	53.87	-45.57	36.57	-50.40	-13.00	37.40	259	16	Vertical
2	10006.5417	40.33	-41.73	38.51	-58.16	-13.00	45.16	186	203	Vertical
3	14104.375	38.04	-38.71	40.82	-55.12	-13.00	42.12	234	172	Vertical
4	17961.6667	37.30	-37.09	45.05	-49.99	-13.00	36.99	175	252	Vertical
5	11835.27	36.59	-39.48	39.23	-58.92	-13.00	45.92	188	37	Vertical
6	15180.36	35.15	-37.74	39.76	-58.09	-13.00	45.09	165	37	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7401.7917	53.88	-45.57	36.56	-50.39	-13.00	37.39	199	21	Horizontal
2	10396.1042	40.34	-41.24	38.86	-57.31	-13.00	44.31	286	85	Horizontal
3	13890.1875	37.58	-38.36	40.65	-55.39	-13.00	42.39	234	333	Horizontal
4	17623.8542	36.94	-36.99	42.89	-52.42	-13.00	39.42	177	31	Horizontal
5	11835.27	36.24	-39.48	39.23	-59.27	-13.00	46.27	156	342	Horizontal
6	15180.36	35.36	-37.74	39.76	-57.88	-13.00	44.88	201	96	Horizontal



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Test Band = NR_Band 77(3700~3980)_ Ant 7TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9571.4583	41.05	-41.99	38.11	-58.09	-13.00	45.09	247	131	Vertical
2	13935.7083	38.21	-38.63	40.75	-54.92	-13.00	41.92	188	210	Vertical
3	17569.7083	36.93	-36.55	42.55	-52.33	-13.00	39.33	126	237	Vertical
4	7870.18	42.03	-44.95	36.36	-61.82	-13.00	48.82	239	5	Vertical
5	11805.27	37.01	-39.28	39.24	-58.29	-13.00	45.29	175	205	Vertical
6	15740.36	36.15	-37.99	38.69	-58.41	-13.00	45.41	214	140	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	10393.7083	40.12	-41.24	38.85	-57.52	-13.00	44.52	199	154	Horizontal
2	13854.25	38.18	-38.42	40.56	-54.94	-13.00	41.94	268	360	Horizontal
3	17566.8333	36.46	-36.53	42.53	-52.80	-13.00	39.80	241	117	Horizontal
4	7870.18	41.91	-44.95	36.36	-61.94	-13.00	48.94	207	37	Horizontal
5	11805.27	37.00	-39.28	39.24	-58.30	-13.00	45.30	163	287	Horizontal
6	15740.36	36.51	-37.99	38.69	-58.05	-13.00	45.05	203	309	Horizontal



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Test Band = NR_Band 77(3700~3980)_ Ant 8TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7302.125	51.05	-46.00	36.33	-53.89	-13.00	40.89	128	67	Vertical
2	9269.5833	41.23	-42.95	37.84	-59.14	-13.00	46.14	244	94	Vertical
3	13652.5208	37.53	-38.11	40.10	-55.74	-13.00	42.74	196	288	Vertical
4	17982.75	36.51	-37.03	45.19	-50.59	-13.00	37.59	235	360	Vertical
5	10965.27	37.45	-40.40	39.37	-58.84	-13.00	45.84	240	83	Vertical
6	14620.36	36.38	-38.14	40.40	-56.61	-13.00	43.61	123	360	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7301.6458	50.33	-46.00	36.32	-54.61	-13.00	41.61	246	47	Horizontal
2	9348.1667	41.45	-42.88	37.91	-58.77	-13.00	45.77	134	84	Horizontal
3	12278.75	38.19	-39.42	39.03	-57.45	-13.00	44.45	240	178	Horizontal
4	17969.3333	36.72	-37.07	45.10	-50.50	-13.00	37.50	126	184	Horizontal
5	10965.27	37.03	-40.40	39.37	-59.26	-13.00	46.26	235	147	Horizontal
6	14620.36	35.38	-38.14	40.40	-57.61	-13.00	44.61	284	295	Horizontal



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Test Band = NR_Band 77(3700~3980)_ Ant 8TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7401.7917	50.74	-45.57	36.56	-53.53	-13.00	40.53	151	52	Vertical
2	8523.0417	41.81	-43.78	36.93	-60.30	-13.00	47.30	214	67	Vertical
3	9558.0417	40.88	-42.12	38.10	-58.39	-13.00	45.39	186	360	Vertical
4	17619.0625	36.51	-36.94	42.86	-52.83	-13.00	39.83	203	67	Vertical
5	11835.27	36.14	-39.48	39.23	-59.37	-13.00	46.37	133	271	Vertical
6	15180.36	34.98	-37.74	39.76	-58.26	-13.00	45.26	268	156	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7402.2708	50.74	-45.57	36.57	-53.53	-13.00	40.53	229	58	Horizontal
2	9328.0417	41.72	-42.90	37.90	-58.55	-13.00	45.55	287	277	Horizontal
3	10763.1458	39.27	-40.58	39.19	-57.39	-13.00	44.39	146	93	Horizontal
4	17563	35.71	-36.50	42.50	-53.55	-13.00	40.55	236	304	Horizontal
5	11835.27	37.05	-39.48	39.23	-58.46	-13.00	45.46	247	36	Horizontal
6	15180.36	34.96	-37.74	39.76	-58.28	-13.00	45.28	188	84	Horizontal



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Test Band = NR_Band 77(3700~3980)_ Ant 8TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9531.2083	41.34	-42.36	38.08	-58.20	-13.00	45.20	216	151	Vertical
2	14177.2083	37.42	-38.28	40.76	-55.37	-13.00	42.37	155	26	Vertical
3	17623.375	36.24	-36.99	42.89	-53.12	-13.00	40.12	248	360	Vertical
4	7870.18	41.63	-44.95	36.36	-62.22	-13.00	49.22	128	15	Vertical
5	11805.27	36.24	-39.28	39.24	-59.06	-13.00	46.06	231	316	Vertical
6	15740.36	36.46	-37.99	38.69	-58.10	-13.00	45.10	125	89	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7405.625	43.61	-45.59	36.57	-60.67	-13.00	47.67	234	360	Horizontal
2	10784.2292	39.68	-40.51	39.21	-56.88	-13.00	43.88	185	306	Horizontal
3	17626.7292	36.69	-37.02	42.91	-52.68	-13.00	39.68	177	269	Horizontal
4	7870.18	42.13	-44.95	36.36	-61.72	-13.00	48.72	169	348	Horizontal
5	11805.27	36.38	-39.28	39.24	-58.92	-13.00	45.92	268	52	Horizontal
6	15740.36	36.47	-37.99	38.69	-58.09	-13.00	45.09	144	153	Horizontal

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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 t (86-512) 62992980 sgs.china@sgs.com

Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	-6.10	0.00	PASS
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	-73.70	-0.02	PASS
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	13.30	0.00	PASS
N77 -3700-3980	30	100	CP-QPSK	M	Outer_Full	VH	NT	15.50	0.00	PASS
N77 -3700-3980	30	100	CP-QPSK	M	Outer_Full	VN	NT	-7.10	0.00	PASS
N77 -3700-3980	30	100	CP-QPSK	M	Outer_Full	VL	NT	-4.10	0.00	PASS



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 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	-39.600000	-0.010313	PASS
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	-5.600000	-0.001458	PASS
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	-4.900000	-0.001276	PASS
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	-16.900000	-0.004401	PASS
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	11.500000	0.002995	PASS
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	-8.800000	-0.002292	PASS
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	9.800000	0.002552	PASS
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	-6.300000	-0.001641	PASS
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	10.500000	0.002734	PASS
N77 -3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-30	-10.700000	-0.002786	PASS
N77 -3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-20	-5.600000	-0.001458	PASS
N77 -3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-10	-51.300000	-0.013359	PASS
N77 -3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	0	-91.000000	-0.023698	PASS
N77 -3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	10	-62.600000	-0.016302	PASS
N77 -3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	20	-9.500000	-0.002474	PASS
N77 -3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	30	-10.100000	-0.002630	PASS
N77 -3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	40	-85.600000	-0.022292	PASS



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N77 -3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	50	9.900000	0.002578	PASS
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---End of Attachment---



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