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# Appendix B.28

## NR Band n78(3700-3800)



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

### Test Result

#### Ant6:

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N78(3700-3800)	30	100	DFT-PI2BPSK	M	1RB1	24.66	27.26	30	PASS
N78(3700-3800)	30	100	DFT-PI2BPSK	M	1RB271	24.32	26.92	30	PASS
N78(3700-3800)	30	100	DFT-PI2BPSK	M	272RB0	23.42	26.02	30	PASS
N78(3700-3800)	30	100	DFT-QPSK	M	1RB1	24.71	27.31	30	PASS
N78(3700-3800)	30	100	DFT-QPSK	M	1RB271	24.13	26.73	30	PASS
N78(3700-3800)	30	100	DFT-QPSK	M	272RB0	23.41	26.01	30	PASS
N78(3700-3800)	30	100	DFT-16QAM	M	1RB1	23.95	26.55	30	PASS
N78(3700-3800)	30	100	DFT-64QAM	M	1RB1	22.6	25.2	30	PASS
N78(3700-3800)	30	100	DFT-256QAM	M	1RB1	20.34	22.94	30	PASS
N78(3700-3800)	30	100	CP-QPSK	M	1RB1	22.76	25.36	30	PASS
N78(3700-3800)	30	90	DFT-QPSK	L	1RB1	24.41	27.01	30	PASS
N78(3700-3800)	30	90	DFT-16QAM	L	1RB1	22.95	25.55	30	PASS
N78(3700-3800)	30	90	DFT-QPSK	M	1RB1	24.18	26.78	30	PASS
N78(3700-3800)	30	90	DFT-16QAM	M	1RB1	23.46	26.06	30	PASS
N78(3700-3800)	30	90	DFT-QPSK	H	1RB1	24.34	26.94	30	PASS
N78(3700-3800)	30	90	DFT-16QAM	H	1RB1	23.13	25.73	30	PASS
N78(3700-3800)	30	80	DFT-QPSK	L	1RB1	24.09	26.69	30	PASS
N78(3700-3800)	30	80	DFT-16QAM	L	1RB1	22.82	25.42	30	PASS
N78(3700-3800)	30	80	DFT-QPSK	M	1RB1	24.53	27.13	30	PASS
N78(3700-3800)	30	80	DFT-16QAM	M	1RB1	23.21	25.81	30	PASS
N78(3700-3800)	30	80	DFT-QPSK	H	1RB1	24.33	26.93	30	PASS
N78(3700-3800)	30	80	DFT-16QAM	H	1RB1	22.89	25.49	30	PASS
N78(3700-3800)	30	70	DFT-QPSK	L	1RB1	24.5	27.1	30	PASS
N78(3700-3800)	30	70	DFT-16QAM	L	1RB1	23.39	25.99	30	PASS
N78(3700-3800)	30	70	DFT-QPSK	M	1RB1	24.3	26.9	30	PASS
N78(3700-3800)	30	70	DFT-16QAM	M	1RB1	23.34	25.94	30	PASS
N78(3700-3800)	30	70	DFT-QPSK	H	1RB1	24.2	26.8	30	PASS



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N78(3700-3800)	30	70	DFT-16QAM	H	1RB1	23.07	25.67	30	PASS
N78(3700-3800)	30	60	DFT-QPSK	L	1RB1	24.21	26.81	30	PASS
N78(3700-3800)	30	60	DFT-16QAM	L	1RB1	23.39	25.99	30	PASS
N78(3700-3800)	30	60	DFT-QPSK	M	1RB1	24.31	26.91	30	PASS
N78(3700-3800)	30	60	DFT-16QAM	M	1RB1	23.2	25.8	30	PASS
N78(3700-3800)	30	60	DFT-QPSK	H	1RB1	24.19	26.79	30	PASS
N78(3700-3800)	30	60	DFT-16QAM	H	1RB1	23.22	25.82	30	PASS
N78(3700-3800)	30	50	DFT-QPSK	L	1RB1	24.31	26.91	30	PASS
N78(3700-3800)	30	50	DFT-16QAM	L	1RB1	23.07	25.67	30	PASS
N78(3700-3800)	30	50	DFT-QPSK	M	1RB1	24.46	27.06	30	PASS
N78(3700-3800)	30	50	DFT-16QAM	M	1RB1	23.08	25.68	30	PASS
N78(3700-3800)	30	50	DFT-QPSK	H	1RB1	24.16	26.76	30	PASS
N78(3700-3800)	30	50	DFT-16QAM	H	1RB1	23.23	25.83	30	PASS
N78(3700-3800)	30	40	DFT-QPSK	L	1RB1	24.66	27.26	30	PASS
N78(3700-3800)	30	40	DFT-16QAM	L	1RB1	23.19	25.79	30	PASS
N78(3700-3800)	30	40	DFT-QPSK	M	1RB1	24.04	26.64	30	PASS
N78(3700-3800)	30	40	DFT-16QAM	M	1RB1	23.1	25.7	30	PASS
N78(3700-3800)	30	40	DFT-QPSK	H	1RB1	24.35	26.95	30	PASS
N78(3700-3800)	30	40	DFT-16QAM	H	1RB1	23.24	25.84	30	PASS
N78(3700-3800)	30	30	DFT-QPSK	L	1RB1	24.05	26.65	30	PASS
N78(3700-3800)	30	30	DFT-16QAM	L	1RB1	23.32	25.92	30	PASS
N78(3700-3800)	30	30	DFT-QPSK	M	1RB1	24.31	26.91	30	PASS
N78(3700-3800)	30	30	DFT-16QAM	M	1RB1	22.99	25.59	30	PASS
N78(3700-3800)	30	30	DFT-QPSK	H	1RB1	24.13	26.73	30	PASS
N78(3700-3800)	30	30	DFT-16QAM	H	1RB1	23.38	25.98	30	PASS
N78(3700-3800)	30	20	DFT-QPSK	L	1RB1	24.3	26.9	30	PASS
N78(3700-3800)	30	20	DFT-16QAM	L	1RB1	23.16	25.76	30	PASS
N78(3700-3800)	30	20	DFT-QPSK	M	1RB1	24.39	26.99	30	PASS
N78(3700-3800)	30	20	DFT-16QAM	M	1RB1	23.31	25.91	30	PASS
N78(3700-3800)	30	20	DFT-QPSK	H	1RB1	24.31	26.91	30	PASS
N78(3700-3800)	30	20	DFT-16QAM	H	1RB1	23.12	25.72	30	PASS
N78(3700-3800)	30	15	DFT-QPSK	L	1RB1	24.27	26.87	30	PASS
N78(3700-3800)	30	15	DFT-16QAM	L	1RB1	23.05	25.65	30	PASS
N78(3700-3800)	30	15	DFT-QPSK	M	1RB1	24.38	26.98	30	PASS
N78(3700-3800)	30	15	DFT-16QAM	M	1RB1	23.34	25.94	30	PASS
N78(3700-3800)	30	15	DFT-QPSK	H	1RB1	24.31	26.91	30	PASS



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N78(3700-3800)	30	15	DFT-16QAM	H	1RB1	22.92	25.52	30	PASS
N78(3700-3800)	30	10	DFT-QPSK	L	1RB1	24.3	26.9	30	PASS
N78(3700-3800)	30	10	DFT-16QAM	L	1RB1	22.84	25.44	30	PASS
N78(3700-3800)	30	10	DFT-QPSK	M	1RB1	24.3	26.9	30	PASS
N78(3700-3800)	30	10	DFT-16QAM	M	1RB1	23.46	26.06	30	PASS
N78(3700-3800)	30	10	DFT-QPSK	H	1RB1	24.37	26.97	30	PASS
N78(3700-3800)	30	10	DFT-16QAM	H	1RB1	23.05	25.65	30	PASS



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## Peak-to-Average Ratio for SA

### Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N78-3700-3800	30	100	DFT-256QAM	M	Outer_Full	5.07	≤13	PASS
N78-3700-3800	30	100	CP-256QAM	M	Outer_Full	5.07	≤13	PASS



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Test Graphs

	
<p>1-N78-3700-3800-PC3-30-100-M-1-DFT-256QAM-O uter_Full-270@0-Ant1-5.07-PASS-≤13</p>	<p>1-N78-3700-3800-PC3-30-100-M-2-CP-256QAM-O uter_Full-273@0-Ant1-5.07-PASS-≤13</p>



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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
N78-3700-3800	30	10	DFT-QPSK	M	Outer_Full	8.942	10.700	PASS
N78-3700-3800	30	10	DFT-PI2BPSK	M	Outer_Full	8.907	10.600	PASS
N78-3700-3800	30	10	DFT-16QAM	M	Outer_Full	8.936	10.420	PASS
N78-3700-3800	30	10	DFT-64QAM	M	Outer_Full	8.881	10.360	PASS
N78-3700-3800	30	10	DFT-256QAM	M	Outer_Full	8.901	10.060	PASS
N78-3700-3800	30	10	CP-QPSK	M	Outer_Full	8.862	10.540	PASS
N78-3700-3800	30	10	CP-16QAM	M	Outer_Full	8.839	10.440	PASS
N78-3700-3800	30	10	CP-64QAM	M	Outer_Full	8.865	10.320	PASS
N78-3700-3800	30	10	CP-256QAM	M	Outer_Full	8.798	10.220	PASS
N78-3700-3800	30	15	DFT-QPSK	M	Outer_Full	13.102	14.370	PASS
N78-3700-3800	30	15	DFT-PI2BPSK	M	Outer_Full	13.087	14.280	PASS
N78-3700-3800	30	15	DFT-16QAM	M	Outer_Full	13.141	15.090	PASS
N78-3700-3800	30	15	DFT-64QAM	M	Outer_Full	13.107	14.880	PASS
N78-3700-3800	30	15	DFT-256QAM	M	Outer_Full	13.063	14.640	PASS
N78-3700-3800	30	15	CP-QPSK	M	Outer_Full	13.736	15.390	PASS
N78-3700-3800	30	15	CP-16QAM	M	Outer_Full	13.789	15.090	PASS
N78-3700-3800	30	15	CP-64QAM	M	Outer_Full	13.774	15.300	PASS
N78-3700-3800	30	15	CP-256QAM	M	Outer_Full	13.762	15.240	PASS
N78-3700-3800	30	20	DFT-QPSK	M	Outer_Full	18.048	19.440	PASS
N78-3700-3800	30	20	DFT-PI2BPSK	M	Outer_Full	17.941	19.680	PASS
N78-3700-3800	30	20	DFT-16QAM	M	Outer_Full	18.017	19.920	PASS
N78-3700-3800	30	20	DFT-64QAM	M	Outer_Full	18.052	19.840	PASS
N78-3700-3800	30	20	DFT-256QAM	M	Outer_Full	17.999	19.440	PASS
N78-3700-3800	30	20	CP-QPSK	M	Outer_Full	18.347	20.160	PASS
N78-3700-3800	30	20	CP-16QAM	M	Outer_Full	18.395	19.840	PASS
N78-3700-3800	30	20	CP-64QAM	M	Outer_Full	18.212	19.680	PASS
N78-3700-3800	30	20	CP-256QAM	M	Outer_Full	18.336	20.040	PASS
N78-3700-3800	30	30	DFT-QPSK	M	Outer_Full	26.913	28.440	PASS
N78-3700-3800	30	30	DFT-PI2BPSK	M	Outer_Full	26.77	28.860	PASS



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N78-3700-3800	30	30	DFT-64QAM	M	Outer_Full	26.931	28.440	PASS
N78-3700-3800	30	30	DFT-256QAM	M	Outer_Full	26.884	28.260	PASS
N78-3700-3800	30	30	CP-QPSK	M	Outer_Full	27.892	29.760	PASS
N78-3700-3800	30	30	CP-16QAM	M	Outer_Full	27.859	30.180	PASS
N78-3700-3800	30	30	CP-64QAM	M	Outer_Full	27.879	29.700	PASS
N78-3700-3800	30	30	CP-256QAM	M	Outer_Full	27.986	29.640	PASS
N78-3700-3800	30	40	DFT-QPSK	M	Outer_Full	35.638	37.760	PASS
N78-3700-3800	30	40	DFT-PI2BPSK	M	Outer_Full	35.779	37.920	PASS
N78-3700-3800	30	40	DFT-16QAM	M	Outer_Full	35.783	37.440	PASS
N78-3700-3800	30	40	DFT-64QAM	M	Outer_Full	35.75	37.440	PASS
N78-3700-3800	30	40	DFT-256QAM	M	Outer_Full	35.719	37.200	PASS
N78-3700-3800	30	40	CP-QPSK	M	Outer_Full	37.739	40.240	PASS
N78-3700-3800	30	40	CP-16QAM	M	Outer_Full	37.935	39.360	PASS
N78-3700-3800	30	40	CP-64QAM	M	Outer_Full	37.82	39.600	PASS
N78-3700-3800	30	40	CP-256QAM	M	Outer_Full	37.685	39.440	PASS
N78-3700-3800	30	50	DFT-QPSK	M	Outer_Full	45.659	47.400	PASS
N78-3700-3800	30	50	DFT-PI2BPSK	M	Outer_Full	45.741	47.400	PASS
N78-3700-3800	30	50	DFT-16QAM	M	Outer_Full	45.688	47.400	PASS
N78-3700-3800	30	50	DFT-64QAM	M	Outer_Full	45.691	47.700	PASS
N78-3700-3800	30	50	DFT-256QAM	M	Outer_Full	45.73	47.300	PASS
N78-3700-3800	30	50	CP-QPSK	M	Outer_Full	47.396	49.200	PASS
N78-3700-3800	30	50	CP-16QAM	M	Outer_Full	47.577	49.400	PASS
N78-3700-3800	30	50	CP-64QAM	M	Outer_Full	47.425	49.400	PASS
N78-3700-3800	30	50	CP-256QAM	M	Outer_Full	47.459	49.100	PASS
N78-3700-3800	30	60	DFT-QPSK	M	Outer_Full	57.831	60.840	PASS
N78-3700-3800	30	60	DFT-PI2BPSK	M	Outer_Full	58.128	60.840	PASS
N78-3700-3800	30	60	DFT-16QAM	M	Outer_Full	57.727	60.720	PASS
N78-3700-3800	30	60	DFT-64QAM	M	Outer_Full	57.874	60.840	PASS
N78-3700-3800	30	60	DFT-256QAM	M	Outer_Full	57.682	60.720	PASS
N78-3700-3800	30	60	CP-QPSK	M	Outer_Full	57.781	60.840	PASS
N78-3700-3800	30	60	CP-16QAM	M	Outer_Full	57.847	60.480	PASS
N78-3700-3800	30	60	CP-64QAM	M	Outer_Full	58.039	60.720	PASS
N78-3700-3800	30	60	CP-256QAM	M	Outer_Full	57.813	60.720	PASS
N78-3700-3800	30	70	DFT-QPSK	M	Outer_Full	64.142	67.340	PASS
N78-3700-3800	30	70	DFT-PI2BPSK	M	Outer_Full	64.388	67.340	PASS



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N78-3700-3800	30	70	DFT-16QAM	M	Outer_Full	64.407	67.340	PASS
N78-3700-3800	30	70	DFT-64QAM	M	Outer_Full	64.382	67.200	PASS
N78-3700-3800	30	70	DFT-256QAM	M	Outer_Full	64.394	67.340	PASS
N78-3700-3800	30	70	CP-QPSK	M	Outer_Full	67.393	70.560	PASS
N78-3700-3800	30	70	CP-16QAM	M	Outer_Full	67.4	70.560	PASS
N78-3700-3800	30	70	CP-64QAM	M	Outer_Full	67.608	70.420	PASS
N78-3700-3800	30	70	CP-256QAM	M	Outer_Full	67.408	70.280	PASS
N78-3700-3800	30	80	DFT-QPSK	M	Outer_Full	77.08	80.320	PASS
N78-3700-3800	30	80	DFT-PI2BPSK	M	Outer_Full	77.129	80.480	PASS
N78-3700-3800	30	80	DFT-16QAM	M	Outer_Full	77.111	80.480	PASS
N78-3700-3800	30	80	DFT-64QAM	M	Outer_Full	77.097	80.480	PASS
N78-3700-3800	30	80	DFT-256QAM	M	Outer_Full	77.018	80.320	PASS
N78-3700-3800	30	80	CP-QPSK	M	Outer_Full	77.415	80.960	PASS
N78-3700-3800	30	80	CP-16QAM	M	Outer_Full	77.31	81.120	PASS
N78-3700-3800	30	80	CP-64QAM	M	Outer_Full	77.438	80.480	PASS
N78-3700-3800	30	80	CP-256QAM	M	Outer_Full	77.276	80.640	PASS
N78-3700-3800	30	90	DFT-QPSK	M	Outer_Full	85.361	88.740	PASS
N78-3700-3800	30	90	DFT-PI2BPSK	M	Outer_Full	85.604	88.920	PASS
N78-3700-3800	30	90	DFT-16QAM	M	Outer_Full	85.701	89.280	PASS
N78-3700-3800	30	90	DFT-64QAM	M	Outer_Full	85.545	88.920	PASS
N78-3700-3800	30	90	DFT-256QAM	M	Outer_Full	85.631	88.920	PASS
N78-3700-3800	30	90	CP-QPSK	M	Outer_Full	87.261	90.720	PASS
N78-3700-3800	30	90	CP-16QAM	M	Outer_Full	87.279	90.720	PASS
N78-3700-3800	30	90	CP-64QAM	M	Outer_Full	87.327	90.540	PASS
N78-3700-3800	30	90	CP-256QAM	M	Outer_Full	87.465	90.720	PASS
N78-3700-3800	30	100	DFT-QPSK	M	Outer_Full	96.104	99.800	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	96.125	99.800	PASS
N78-3700-3800	30	100	DFT-16QAM	M	Outer_Full	96.143	99.800	PASS
N78-3700-3800	30	100	DFT-64QAM	M	Outer_Full	96.297	99.800	PASS
N78-3700-3800	30	100	DFT-256QAM	M	Outer_Full	96.039	100.000	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	97.251	100.800	PASS
N78-3700-3800	30	100	CP-16QAM	M	Outer_Full	97.217	100.800	PASS
N78-3700-3800	30	100	CP-64QAM	M	Outer_Full	97.243	100.800	PASS
N78-3700-3800	30	100	CP-256QAM	M	Outer_Full	97.256	100.800	PASS

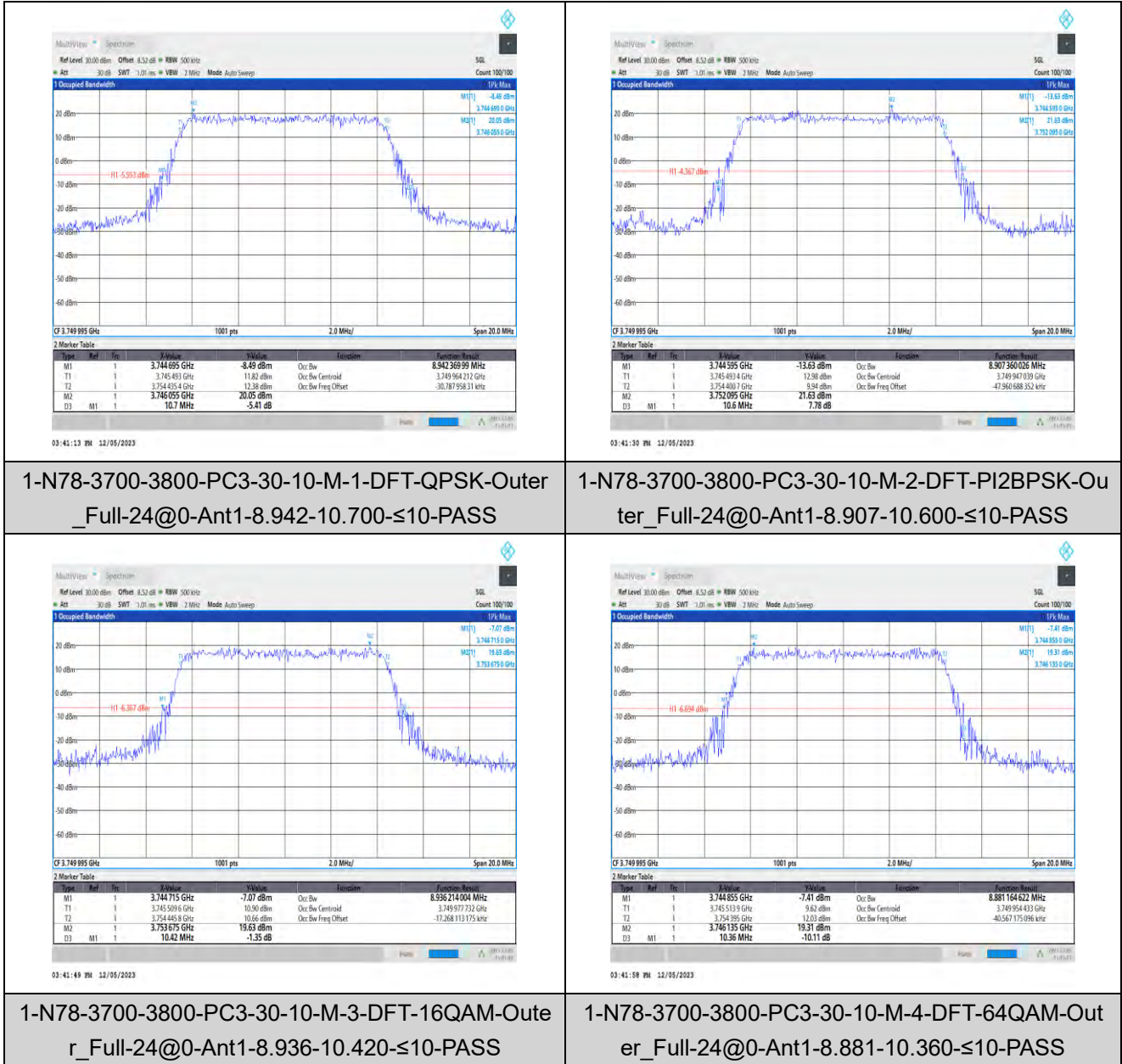


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Test Graphs



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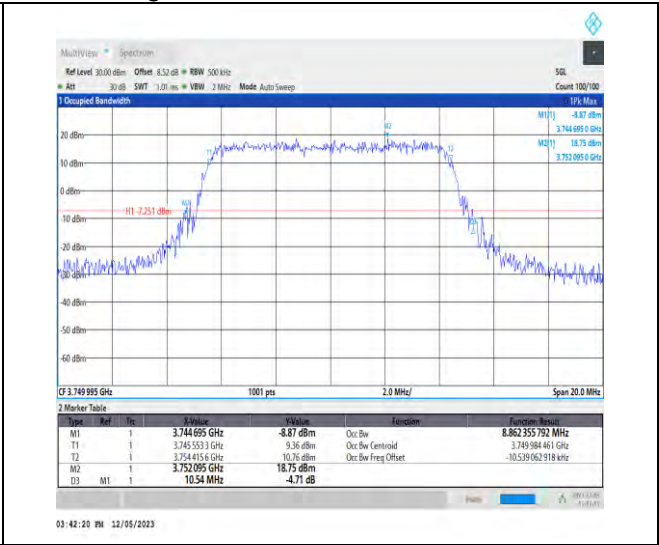
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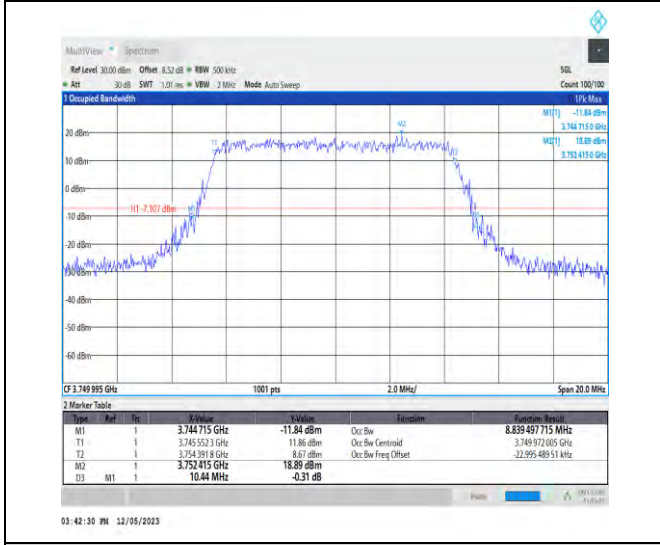




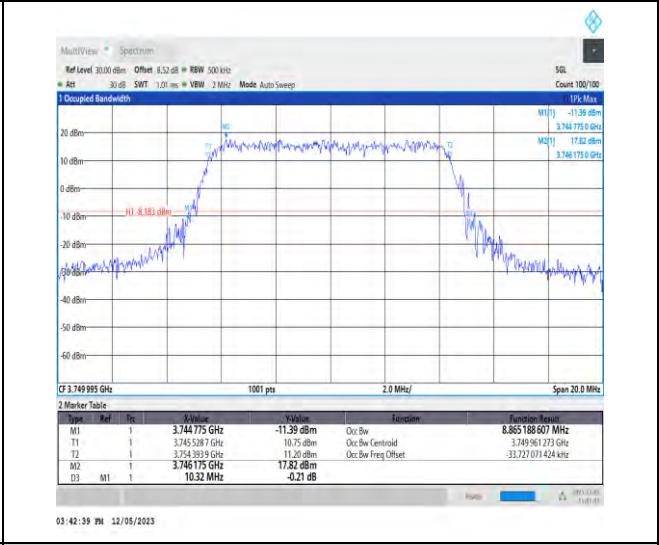
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1-N78-3700-3800-PC3-30-10-M-7-CP-16QAM-Outer\_Full-24@0-Ant1-8.839-10.440-≤10-PASS



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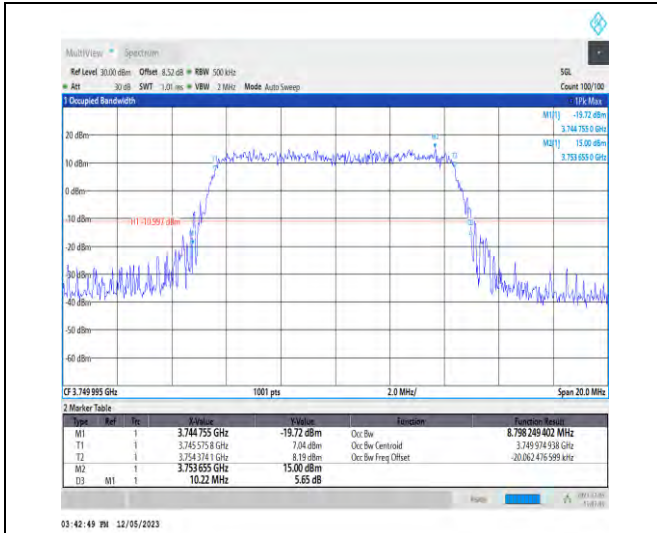


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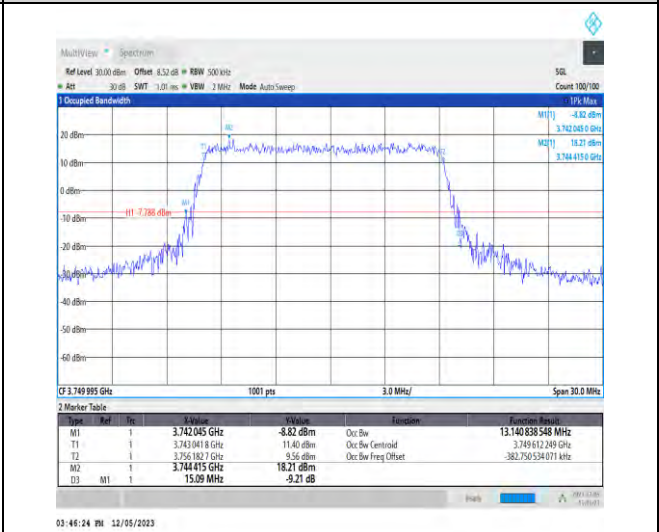
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1-N78-3700-3800-PC3-30-15-M-1-DFT-QPSK-Outer\_Full-36@0-Ant1-13.102-14.370-≤15-PASS



1-N78-3700-3800-PC3-30-15-M-2-DFT-PI2BPSK-Outer\_Full-36@0-Ant1-13.087-14.280-≤15-PASS



1-N78-3700-3800-PC3-30-15-M-3-DFT-16QAM-Outer\_Full-36@0-Ant1-13.141-15.090-≤15-PASS



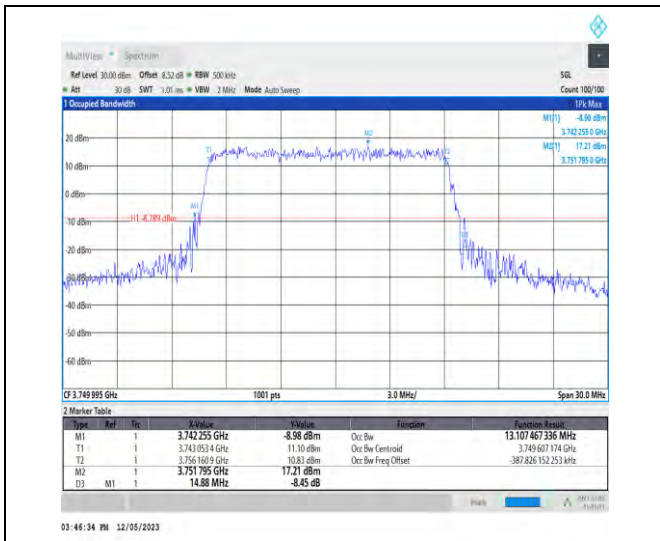
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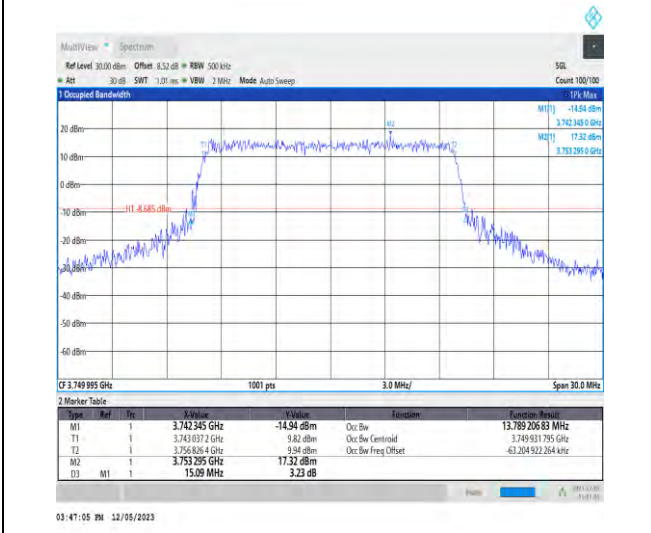
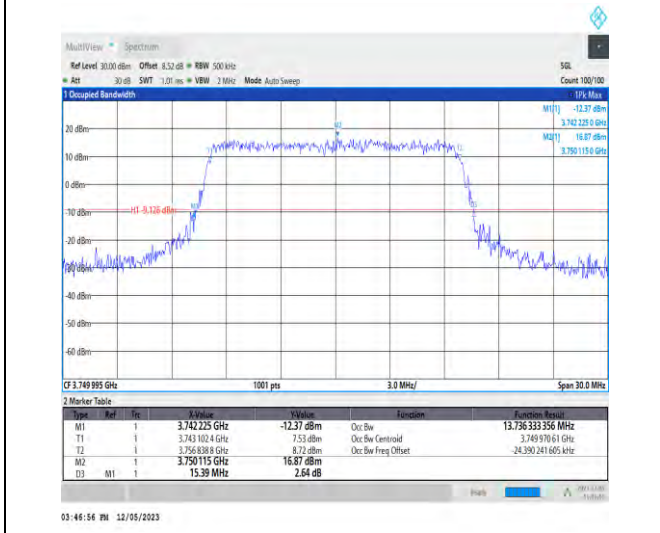
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1-N78-3700-3800-PC3-30-15-M-4-DFT-64QAM-Outer\_Full-36@0-Ant1-13.107-14.880-≤15-PASS

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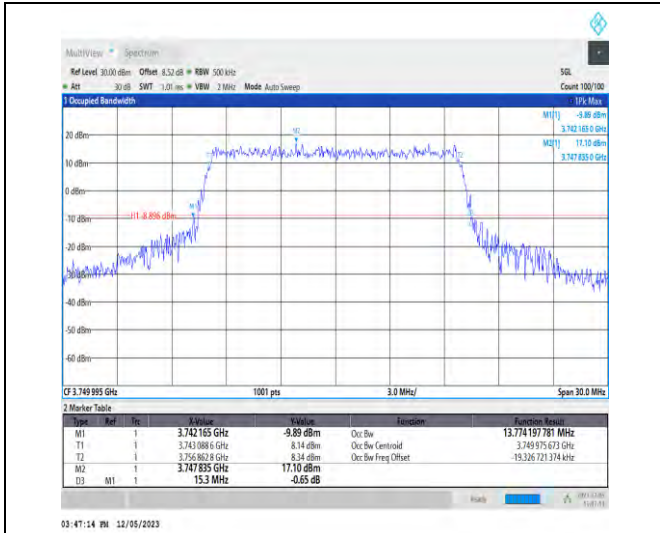
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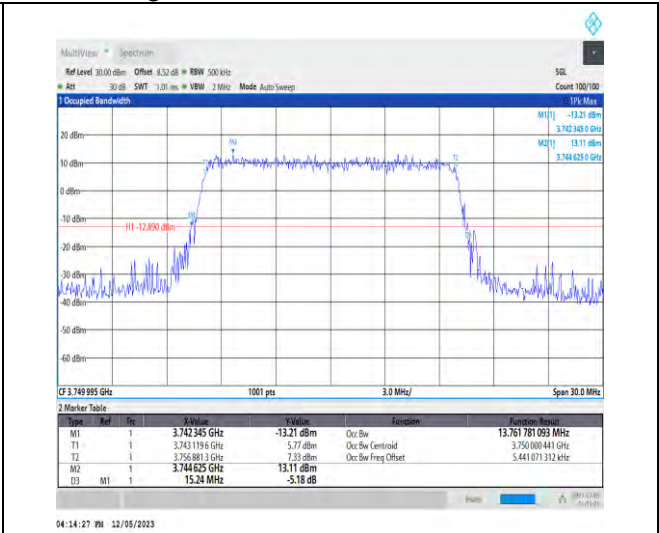


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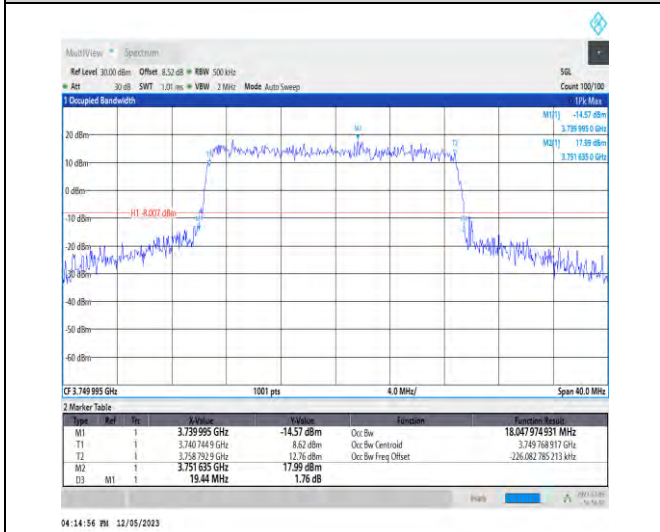
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1-N78-3700-3800-PC3-30-15-M-8-CP-64QAM-Outer\_Full-38@0-Ant1-13.774-15.300-≤15-PASS



1-N78-3700-3800-PC3-30-15-M-9-CP-256QAM-Outer\_Full-38@0-Ant1-13.762-15.240-≤15-PASS



1-N78-3700-3800-PC3-30-20-M-1-DFT-QPSK-Outer\_Full-50@0-Ant1-18.048-19.440-≤20-PASS



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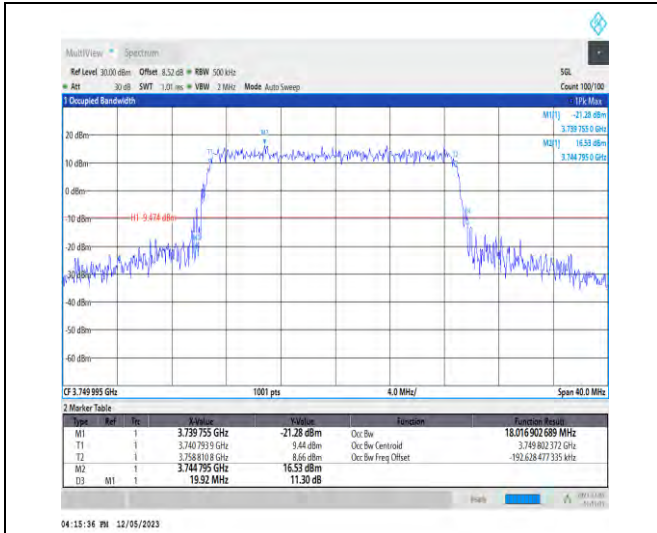
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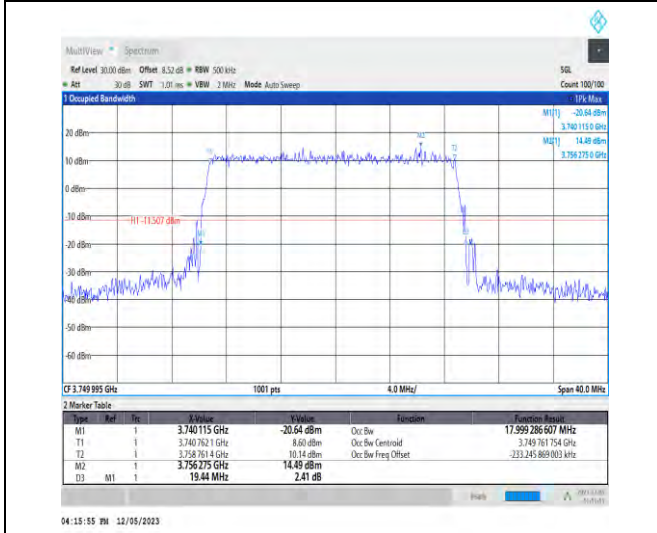




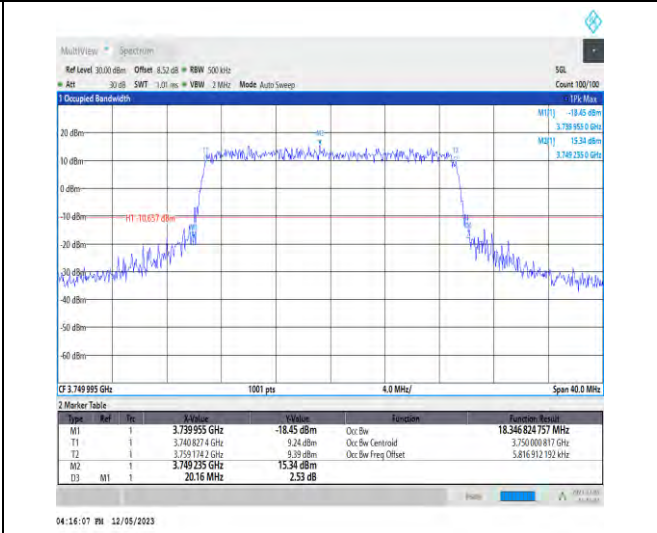
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1-N78-3700-3800-PC3-30-20-M-5-DFT-256QAM-Outer\_Full-50@0-Ant1-17.999-19.440-≤20-PASS



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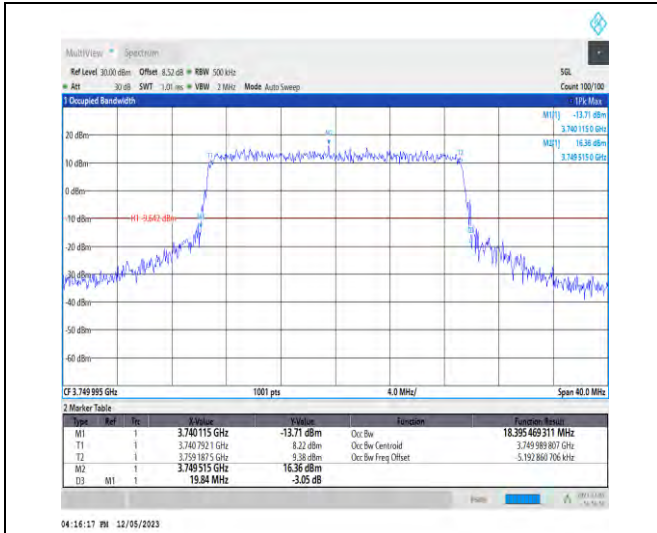


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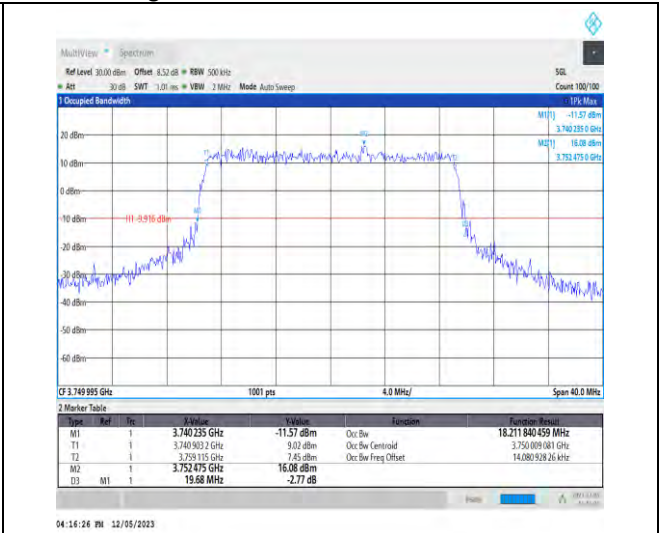
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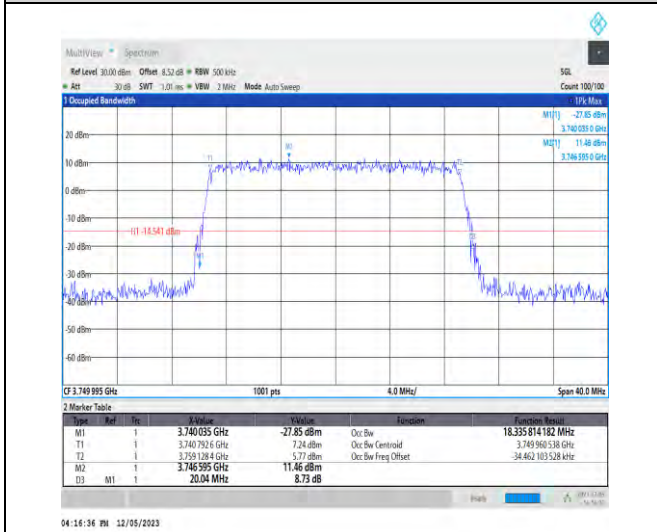
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1-N78-3700-3800-PC3-30-20-M-7-CP-16QAM-Outer\_Full-51@0-Ant1-18.395-19.840-≤20-PASS



1-N78-3700-3800-PC3-30-20-M-8-CP-64QAM-Outer\_Full-51@0-Ant1-18.212-19.680-≤20-PASS



1-N78-3700-3800-PC3-30-20-M-9-CP-256QAM-Outer\_Full-51@0-Ant1-18.336-20.040-≤20-PASS



1-N78-3700-3800-PC3-30-30-M-1-DFT-QPSK-Outer\_Full-75@0-Ant1-26.913-28.440-≤30-PASS



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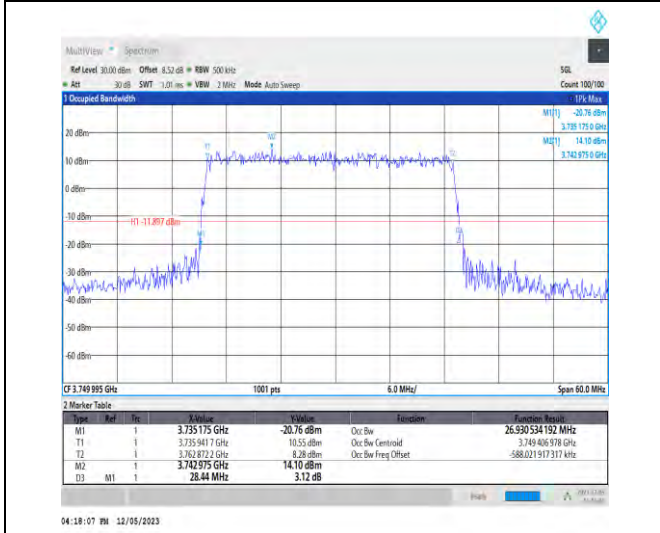




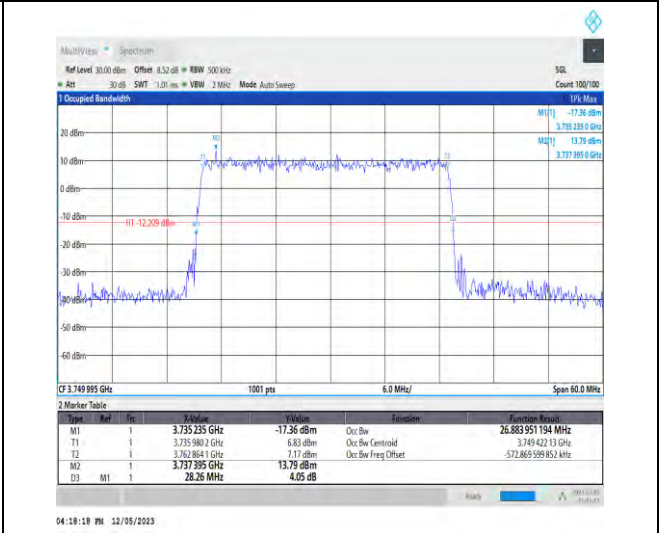
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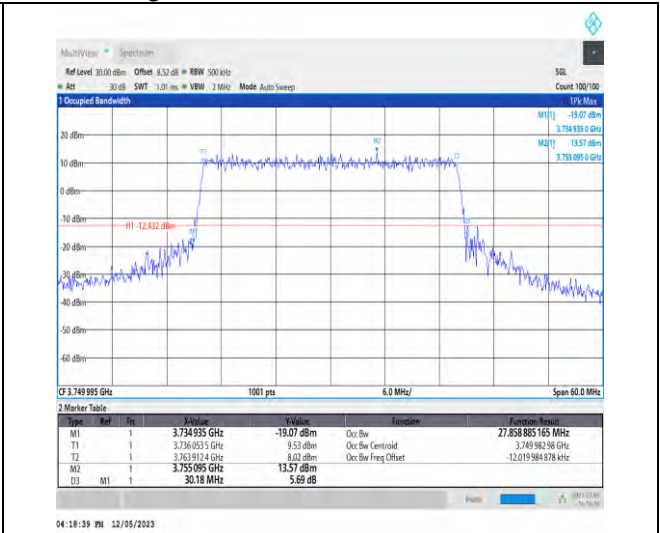
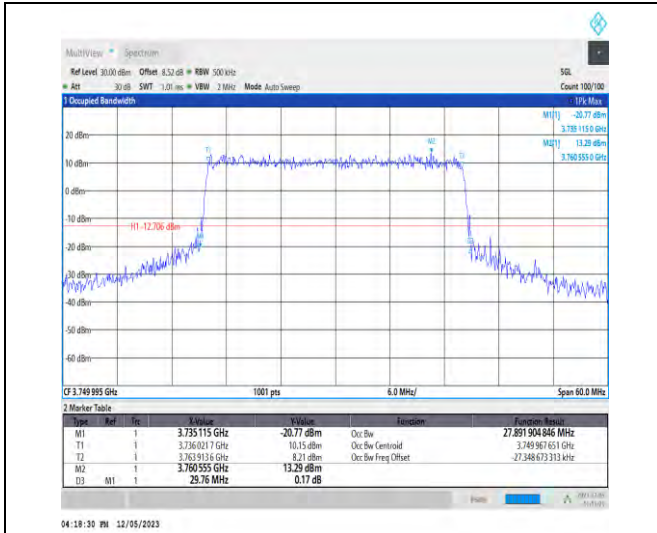
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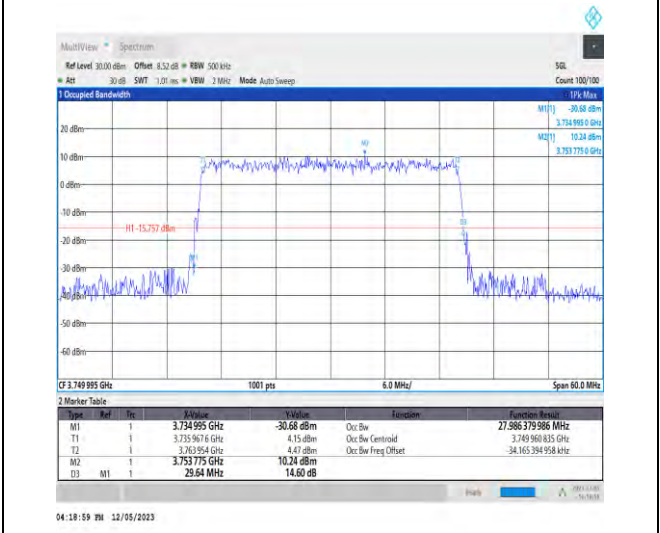
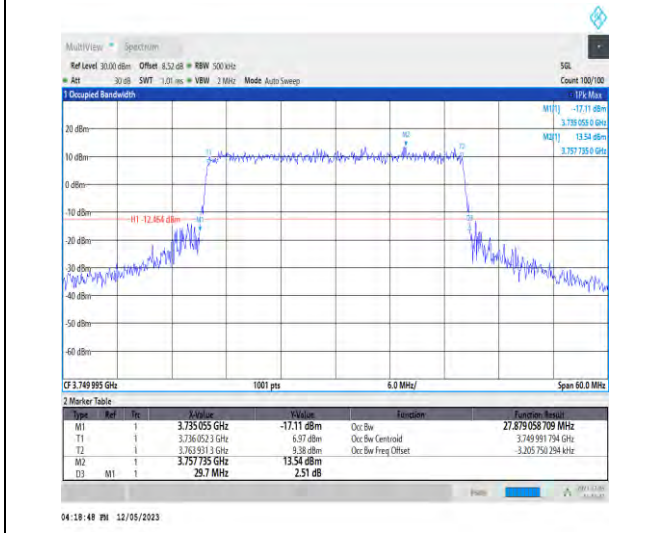
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1-N78-3700-3800-PC3-30-30-M-6-CP-QPSK-Outer\_Full-78@0-Ant1-27.892-29.760-≤30-PASS

1-N78-3700-3800-PC3-30-30-M-7-CP-16QAM-Outer\_Full-78@0-Ant1-27.859-30.180-≤30-PASS



1-N78-3700-3800-PC3-30-30-M-8-CP-64QAM-Outer\_Full-78@0-Ant1-27.879-29.700-≤30-PASS

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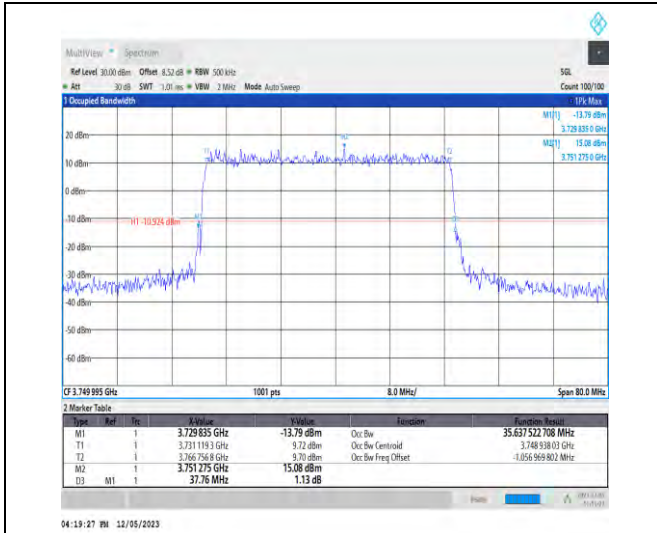
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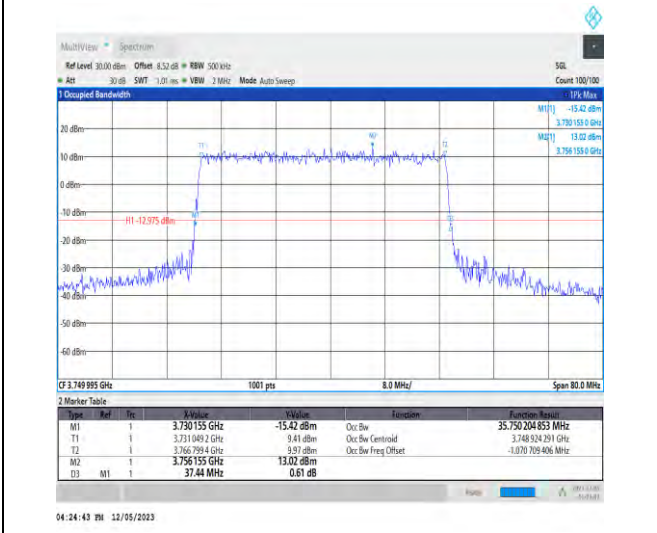
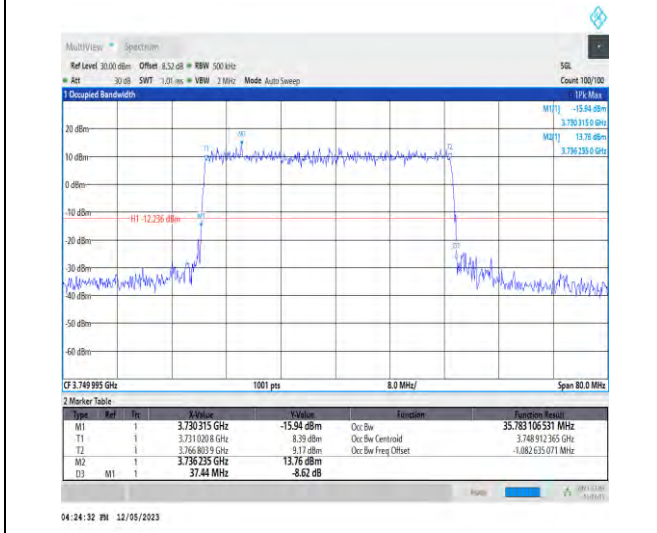
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1-N78-3700-3800-PC3-30-40-M-1-DFT-QPSK-Outer\_Full-100@0-Ant1-35.638-37.760-≤40-PASS

1-N78-3700-3800-PC3-30-40-M-2-DFT-PI2BPSK-Outer\_Full-100@0-Ant1-35.779-37.920-≤40-PASS



1-N78-3700-3800-PC3-30-40-M-3-DFT-16QAM-Outer\_Full-100@0-Ant1-35.783-37.440-≤40-PASS

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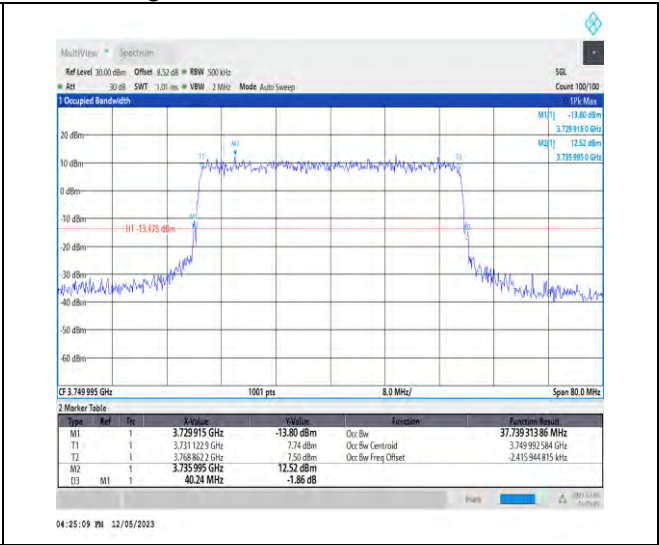
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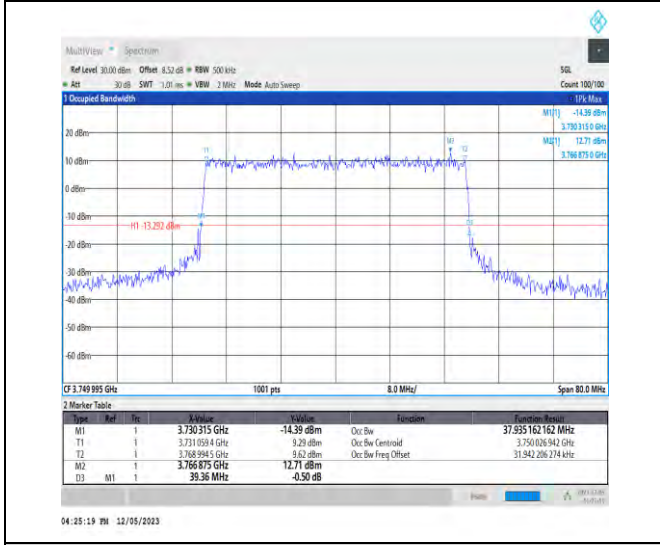
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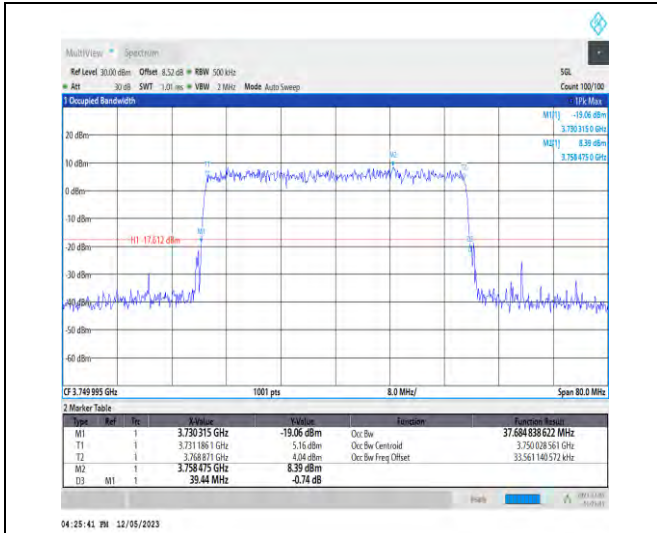


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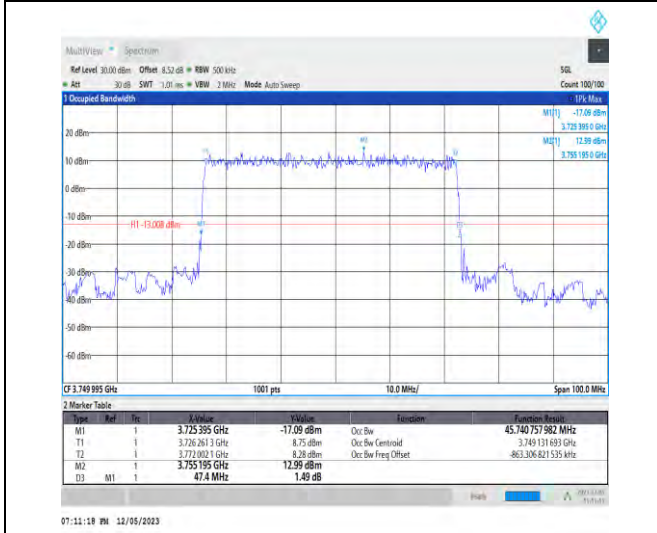




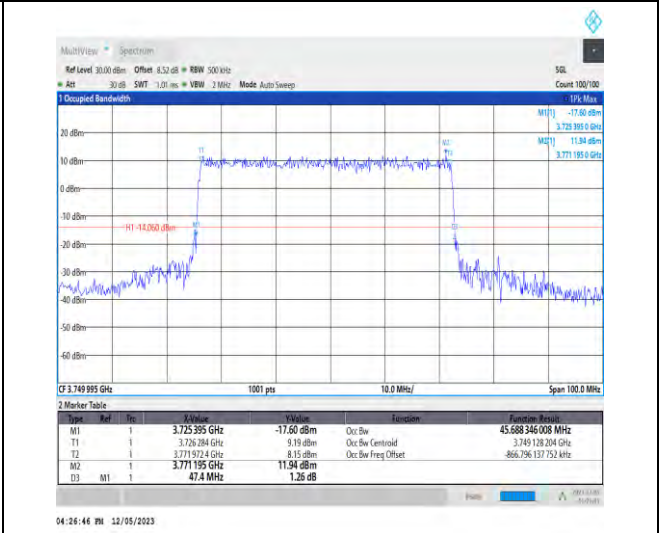
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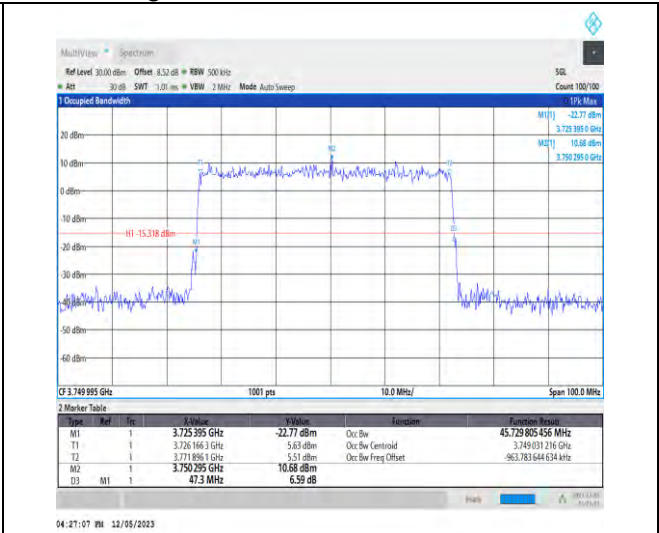
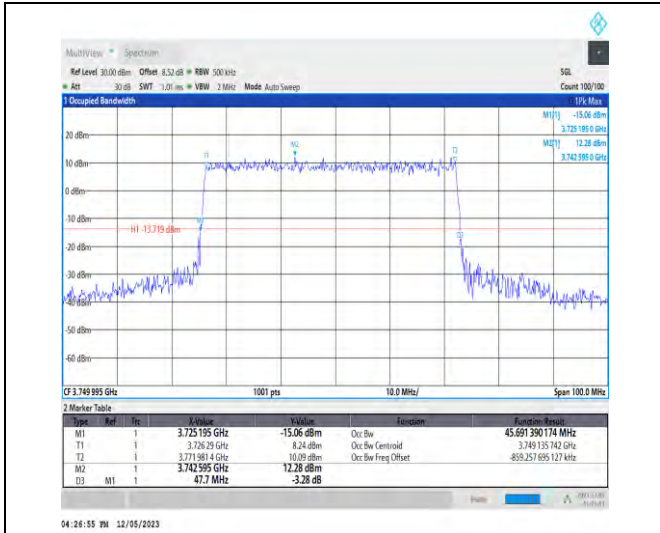
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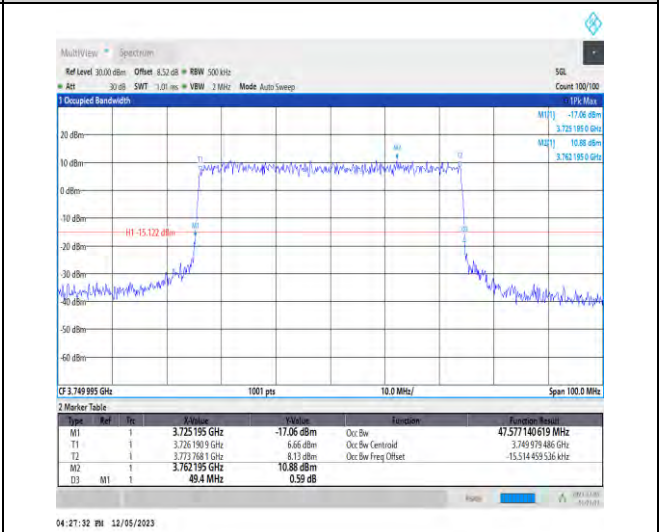
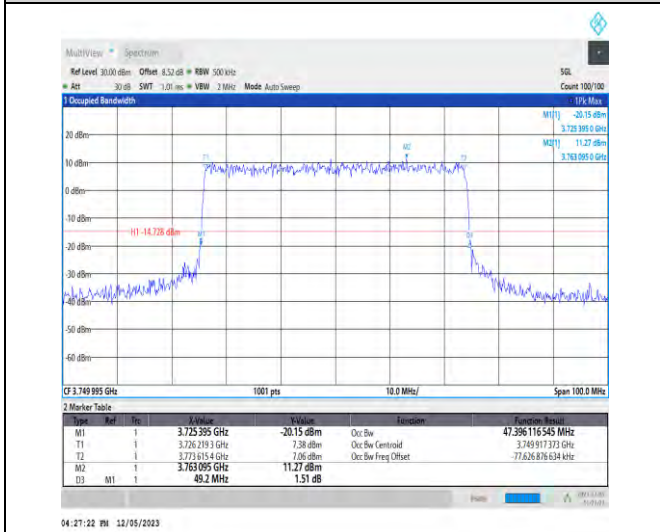
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1-N78-3700-3800-PC3-30-50-M-5-DFT-256QAM-Outer\_Full-128@0-Ant1-45.73-47.300-≤50-PASS



1-N78-3700-3800-PC3-30-50-M-6-CP-QPSK-Outer\_Full-133@0-Ant1-47.396-49.200-≤50-PASS

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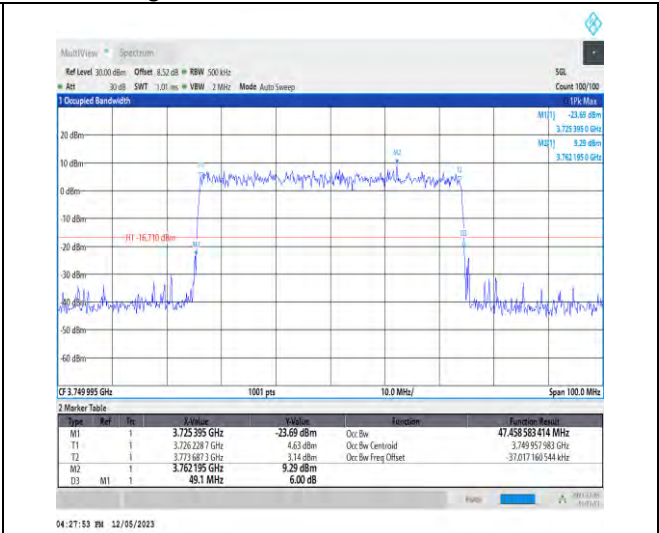
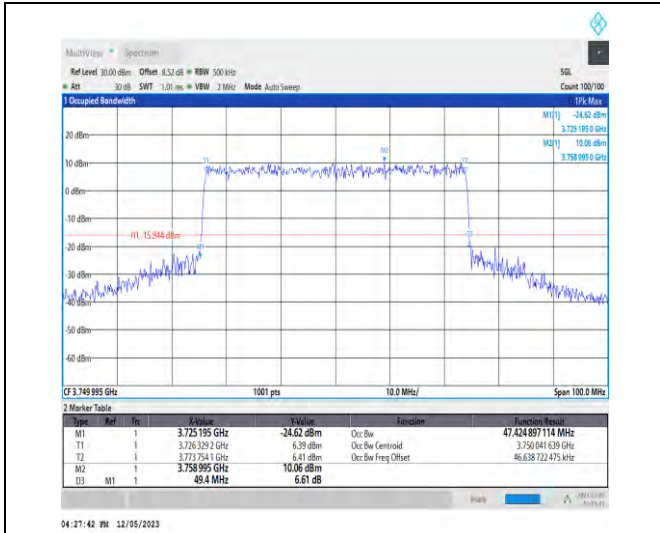
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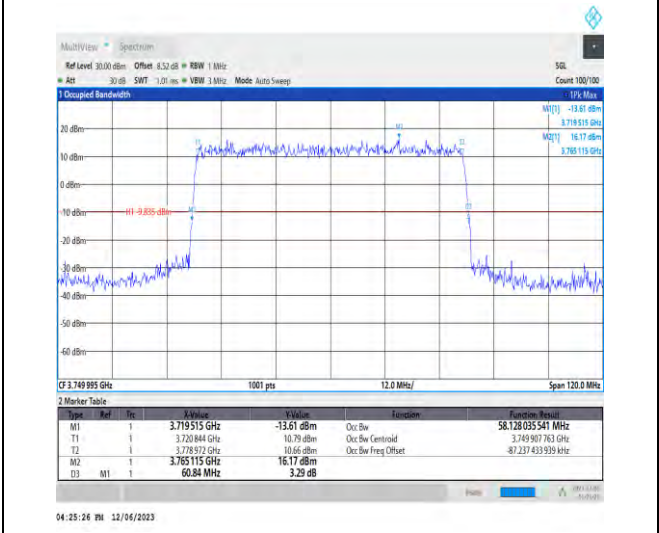
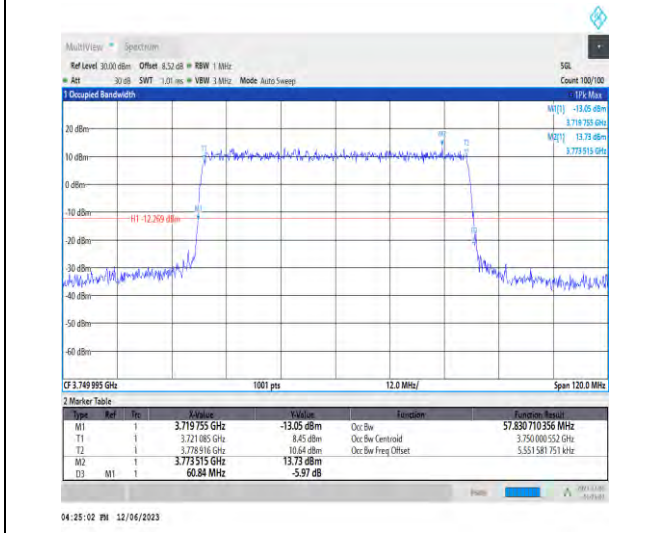
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1-N78-3700-3800-PC3-30-50-M-9-CP-256QAM-Outer\_Full-133@0-Ant1-47.459-49.100-≤50-PASS



1-N78-3700-3800-PC3-30-60-M-1-DFT-QPSK-Outer\_Full-162@0-Ant1-57.831-60.840-≤60-PASS

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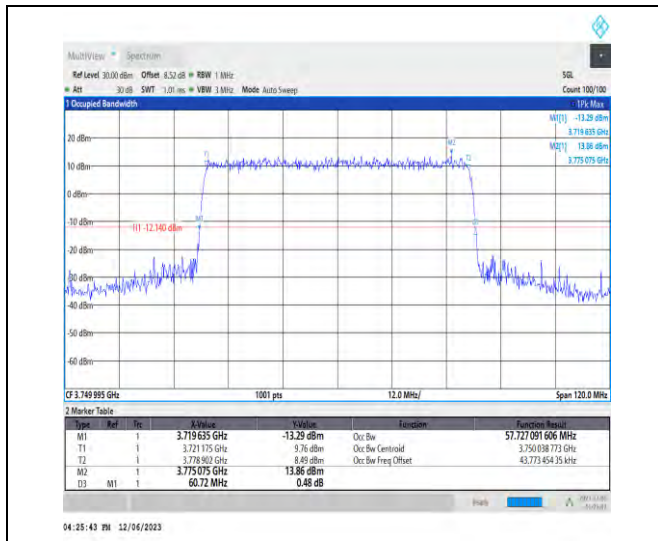
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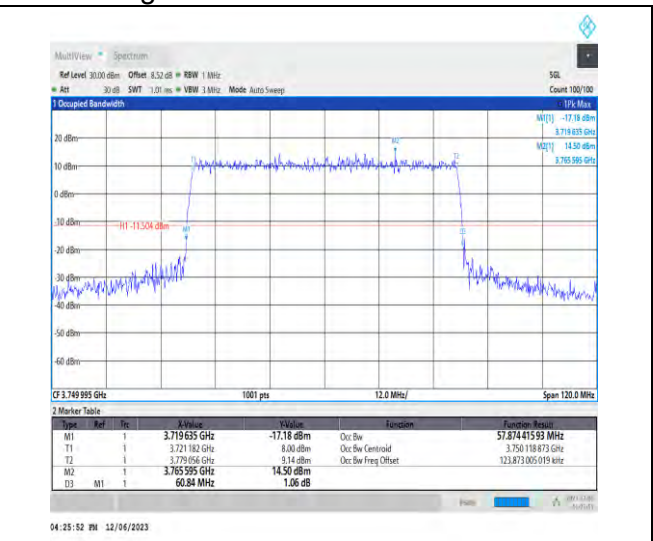
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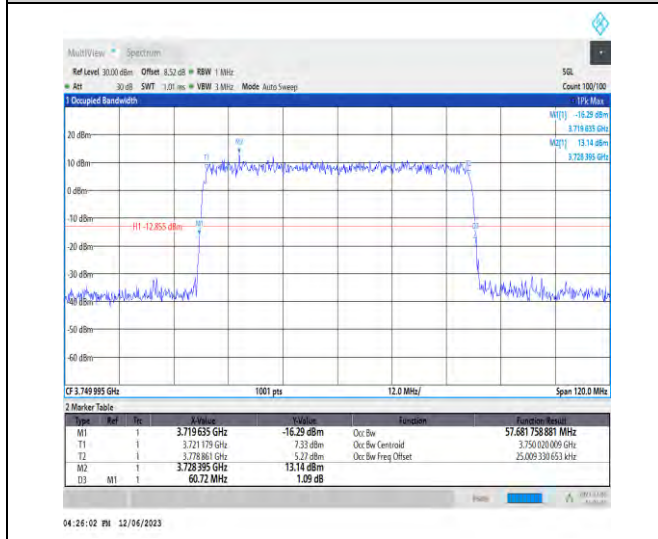




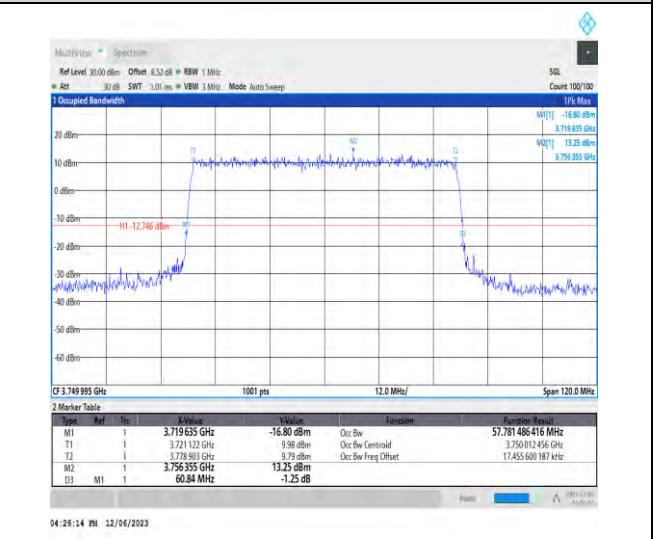
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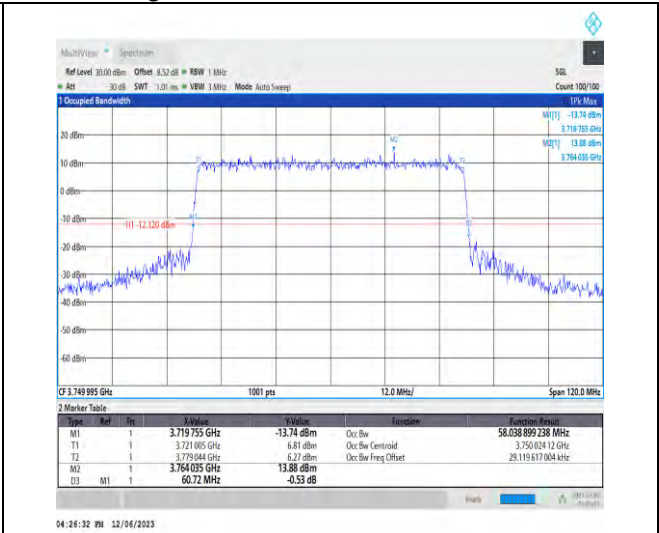
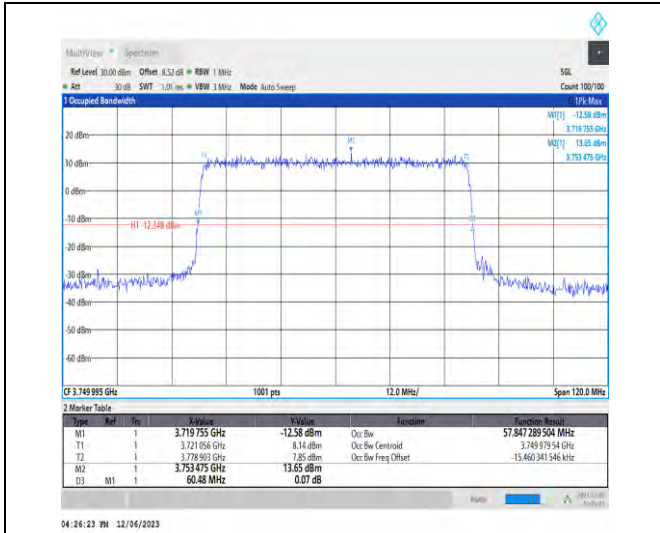
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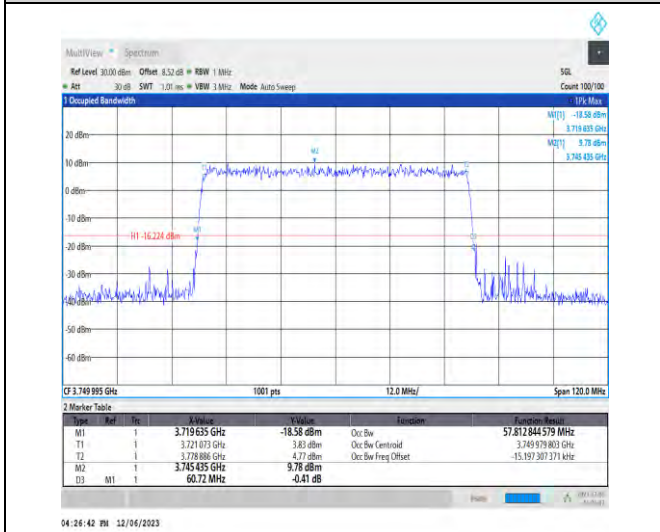
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1-N78-3700-3800-PC3-30-60-M-8-CP-64QAM-Outer\_Full-162@0-Ant1-58.039-60.720-≤60-PASS



1-N78-3700-3800-PC3-30-60-M-9-CP-256QAM-Outer\_Full-162@0-Ant1-57.813-60.720-≤60-PASS

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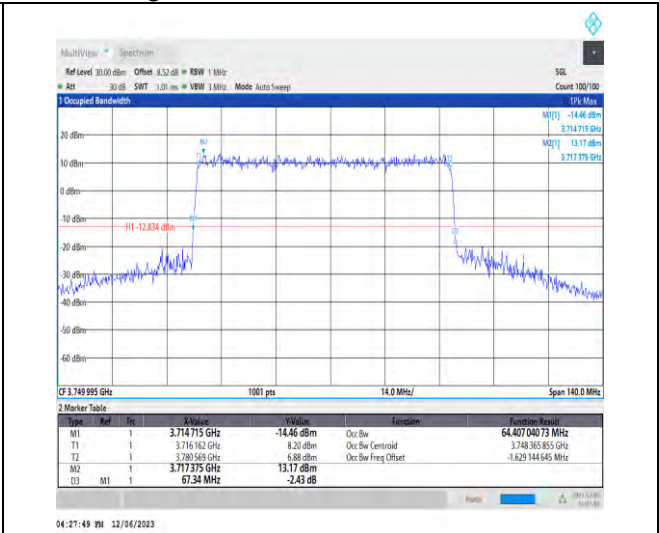
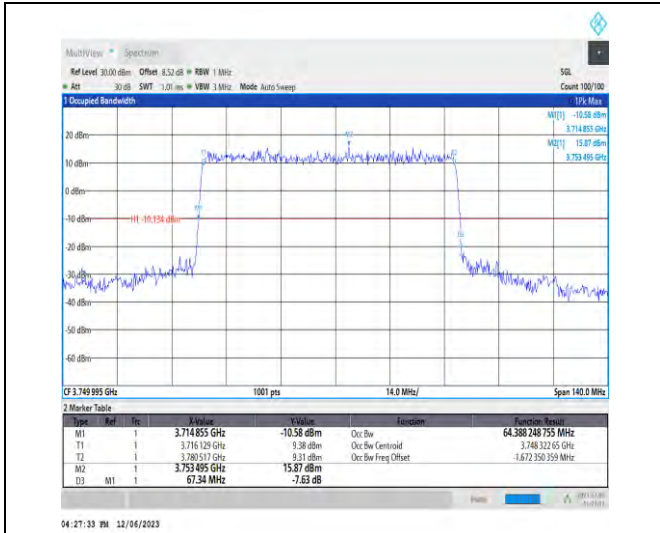


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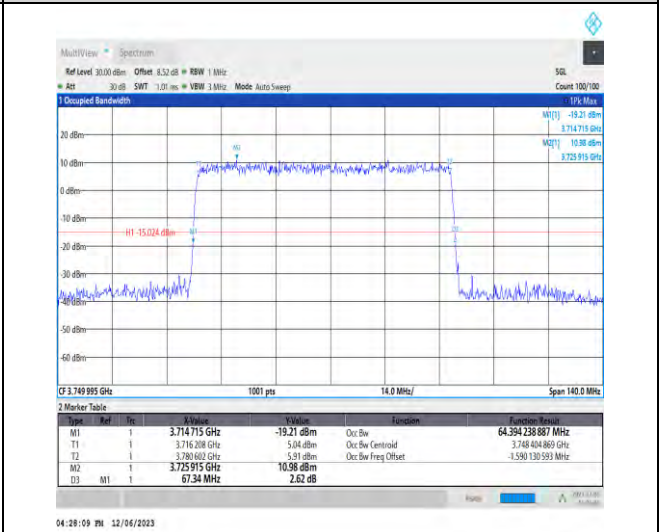
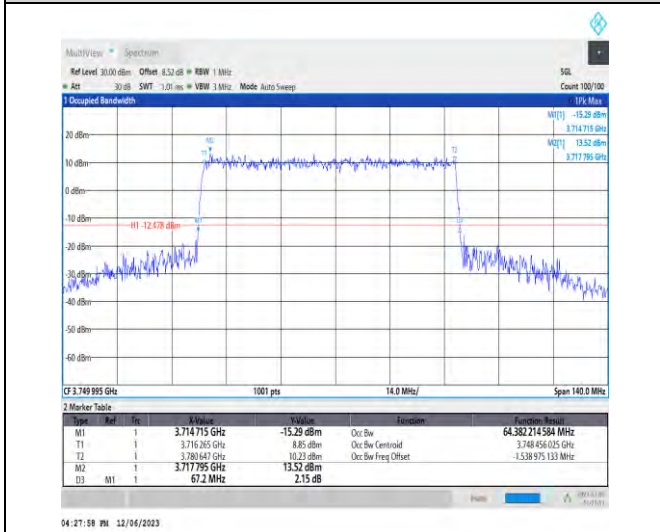
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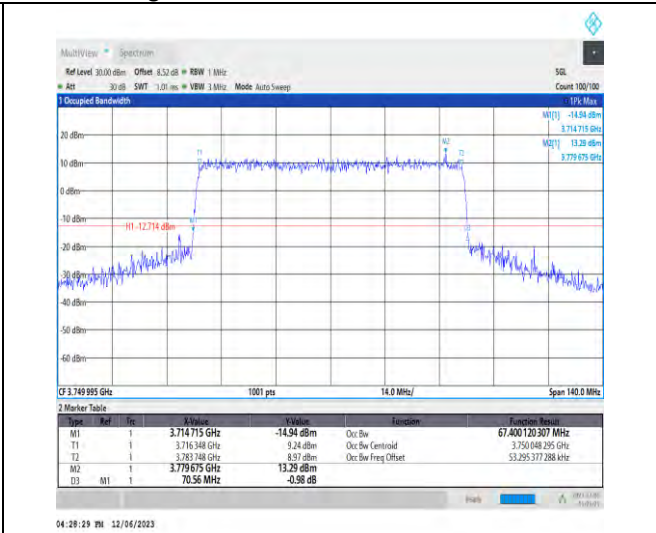
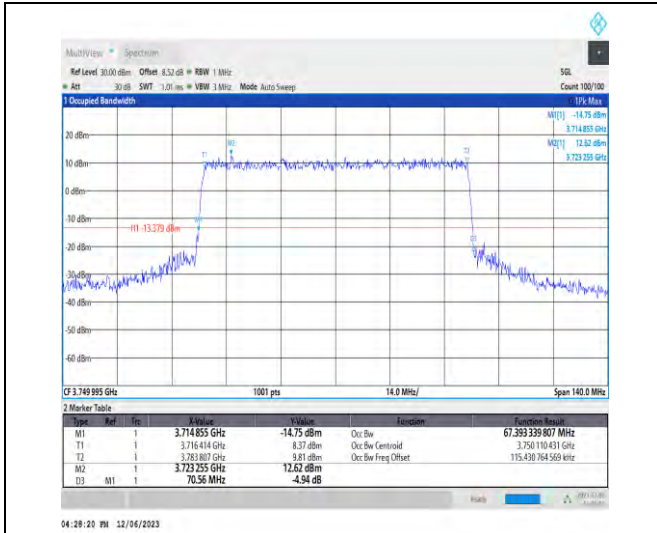
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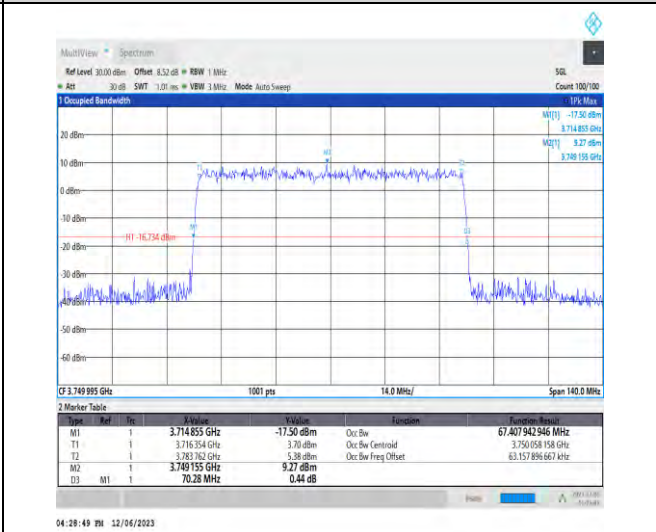
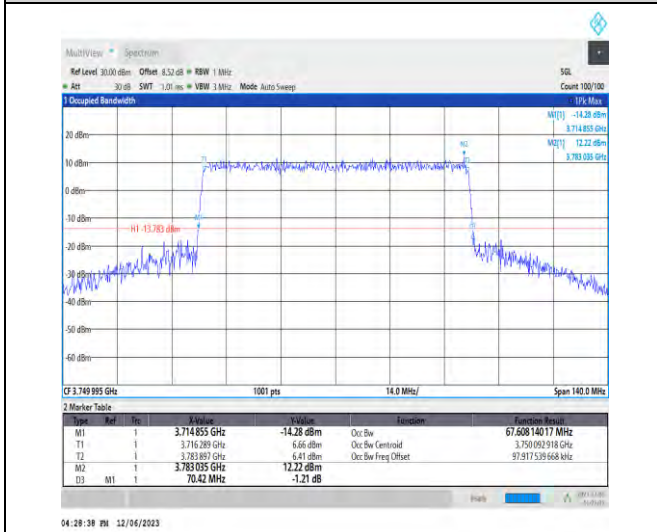
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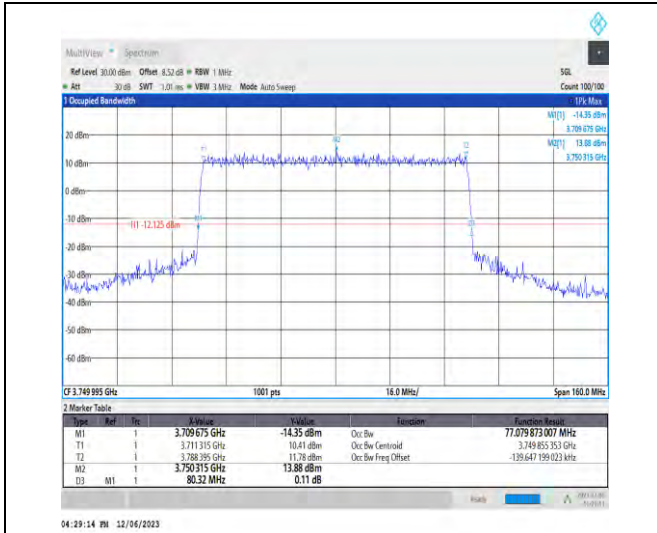


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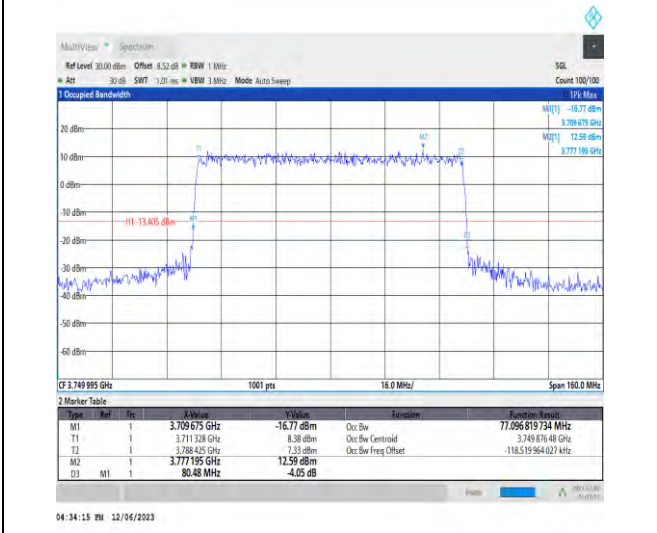
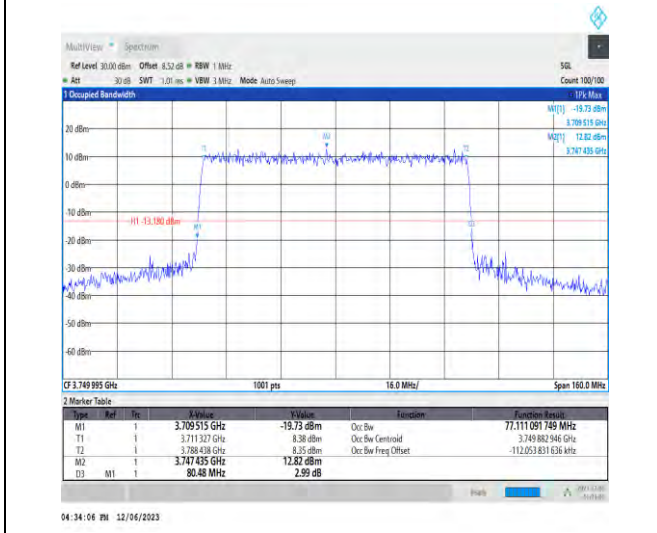
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1-N78-3700-3800-PC3-30-80-M-1-DFT-QPSK-Outer\_Full-216@0-Ant1-77.08-80.320-≤80-PASS

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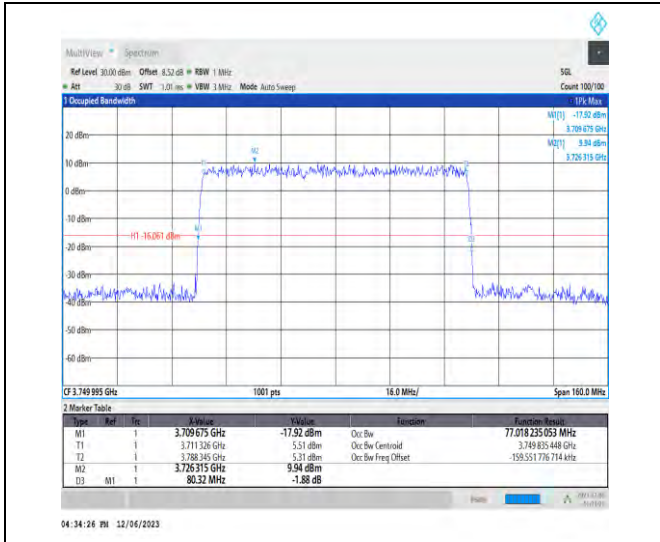
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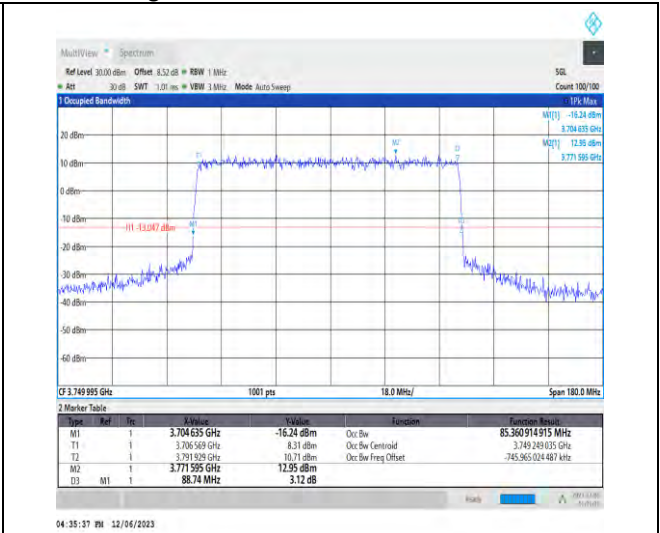
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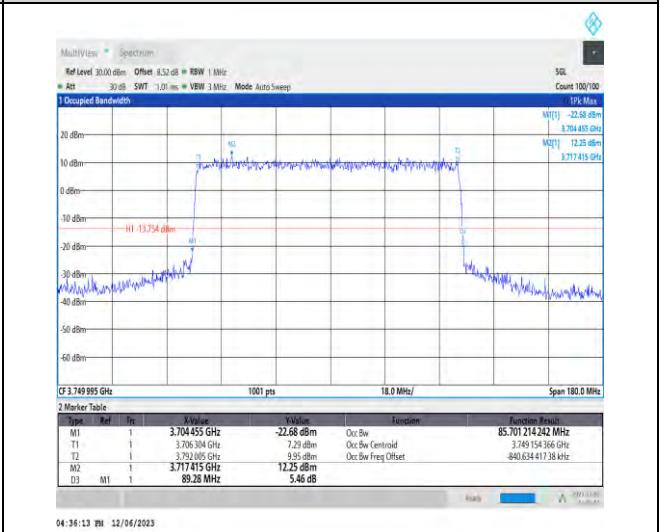
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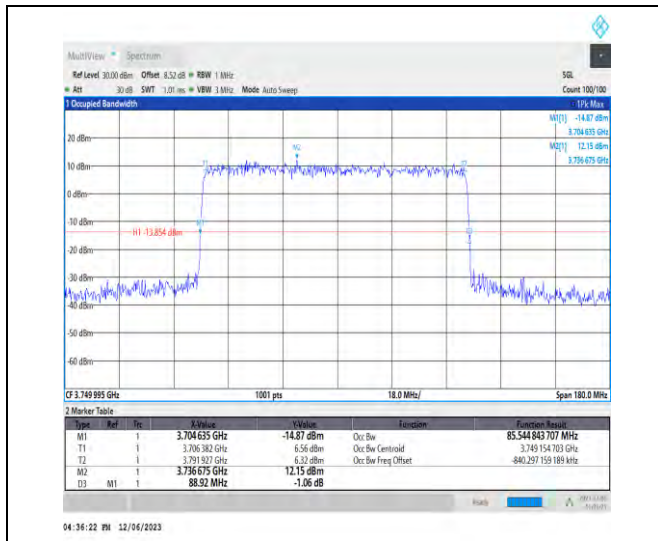
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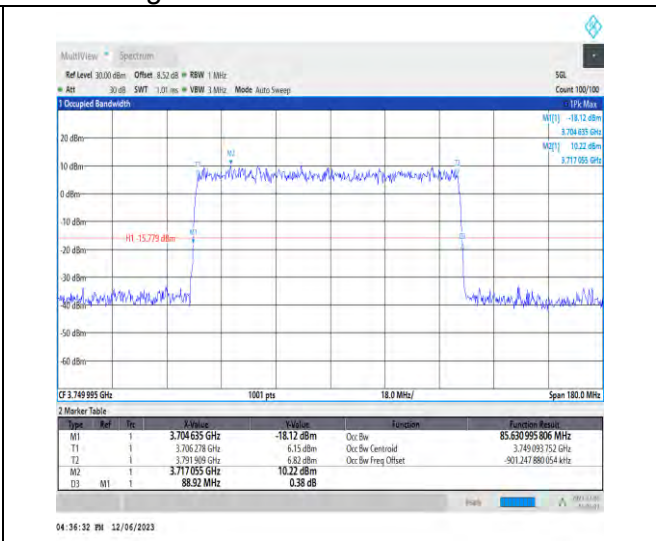
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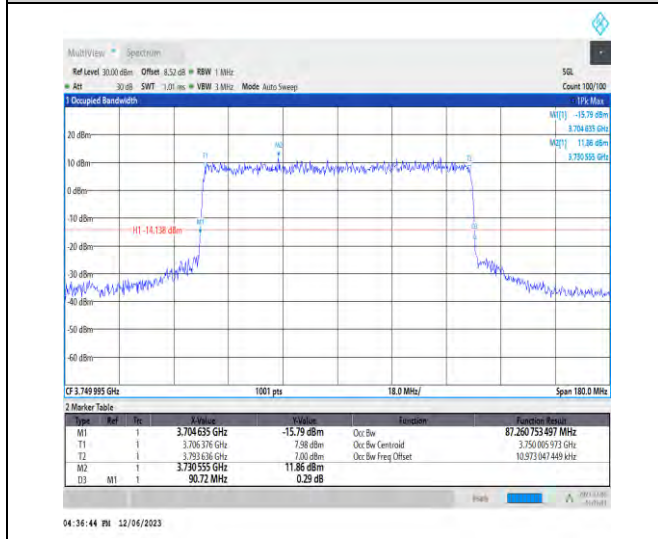
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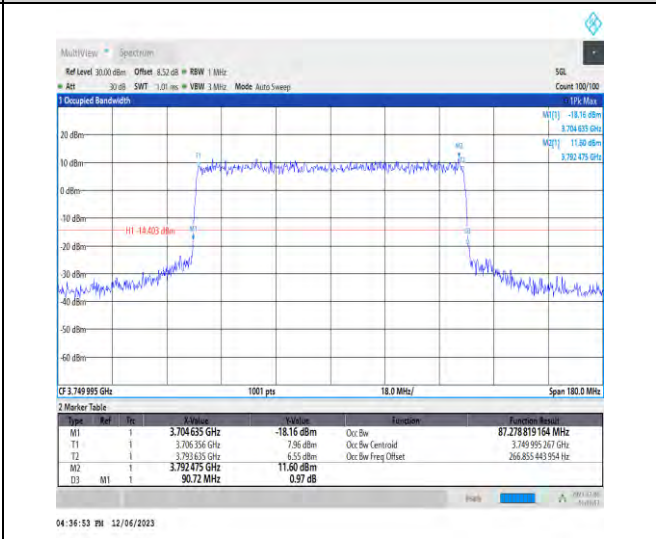
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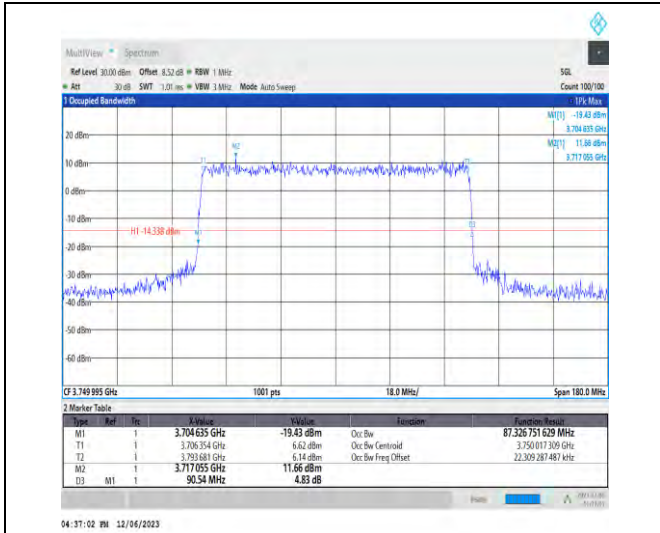


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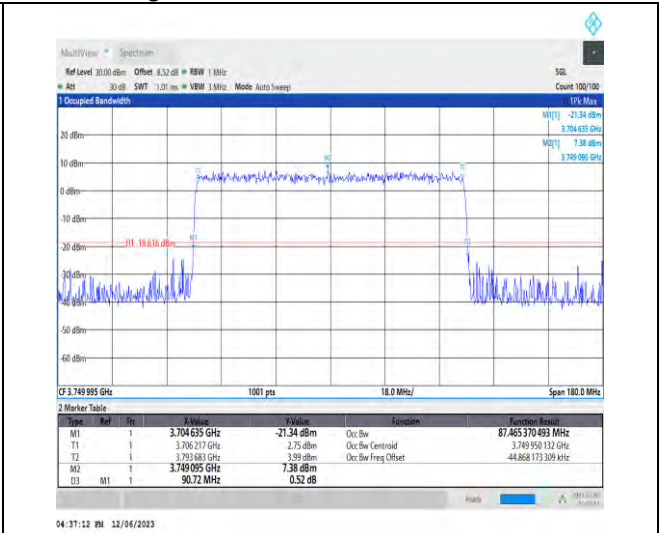
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1-N78-3700-3800-PC3-30-90-M-8-CP-64QAM-Outer\_Full-245@0-Ant1-87.327-90.540-≤90-PASS



1-N78-3700-3800-PC3-30-90-M-9-CP-256QAM-Outer\_Full-245@0-Ant1-87.465-90.720-≤90-PASS



1-N78-3700-3800-PC3-30-100-M-1-DFT-QPSK-Outer\_Full-270@0-Ant1-96.104-99.800-≤100-PASS



1-N78-3700-3800-PC3-30-100-M-2-DFT-PI2BPSK-Outer\_Full-270@0-Ant1-96.125-99.800-≤100-PASS



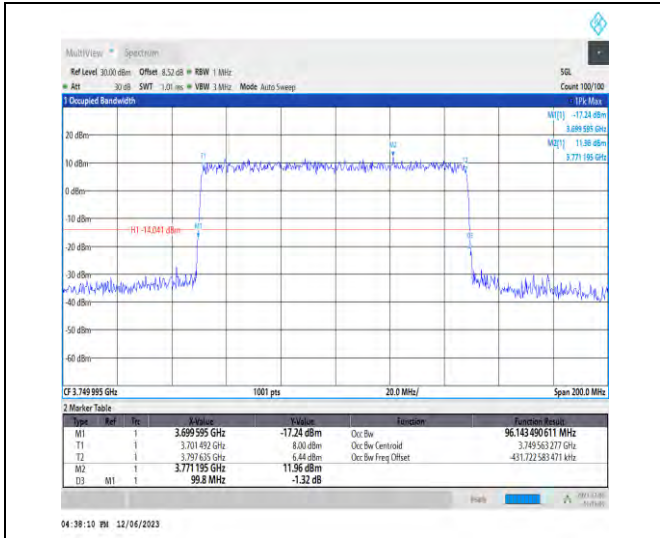
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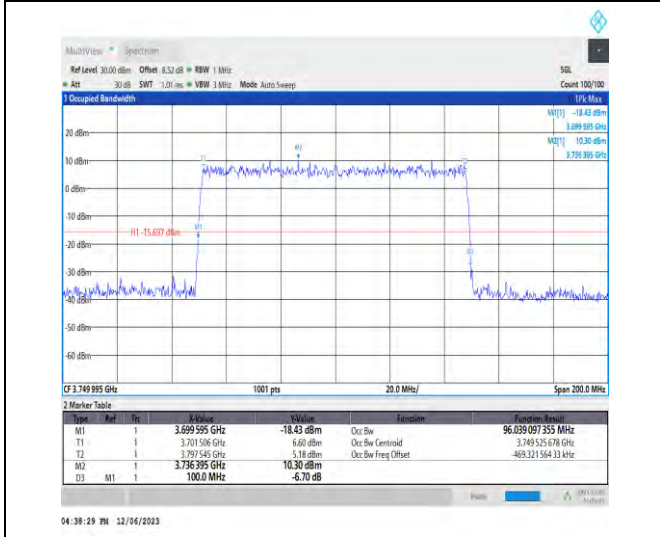




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1-N78-3700-3800-PC3-30-100-M-4-DFT-64QAM-Out er\_Full-270@0-Ant1-96.297-99.800-≤100-PASS



1-N78-3700-3800-PC3-30-100-M-5-DFT-256QAM-Outer\_Full-270@0-Ant1-96.039-100.000-≤100-PASS



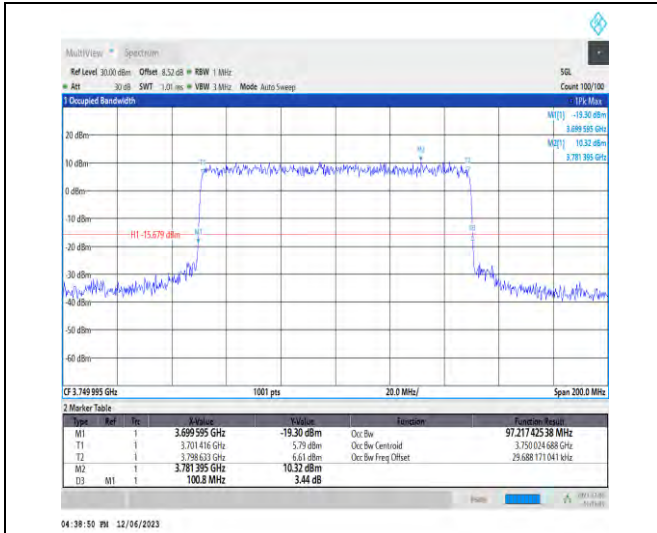
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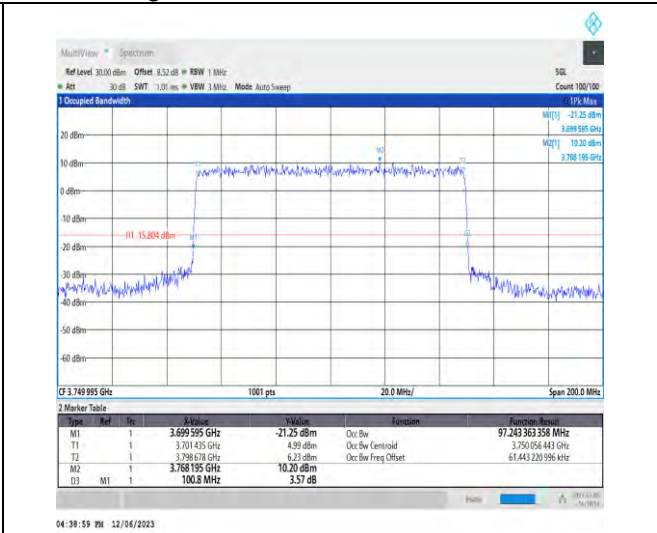
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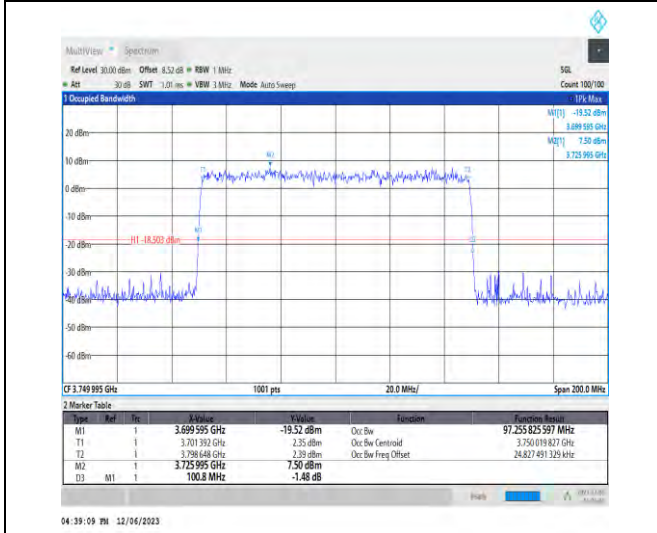
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1-N78-3700-3800-PC3-30-100-M-7-CP-16QAM-Outer\_Full-273@0-Ant1-97.217-100.800-≤100-PASS



1-N78-3700-3800-PC3-30-100-M-8-CP-64QAM-Outer\_Full-273@0-Ant1-97.243-100.800-≤100-PASS



1-N78-3700-3800-PC3-30-100-M-9-CP-256QAM-Outer\_Full-273@0-Ant1-97.256-100.800-≤100-PASS



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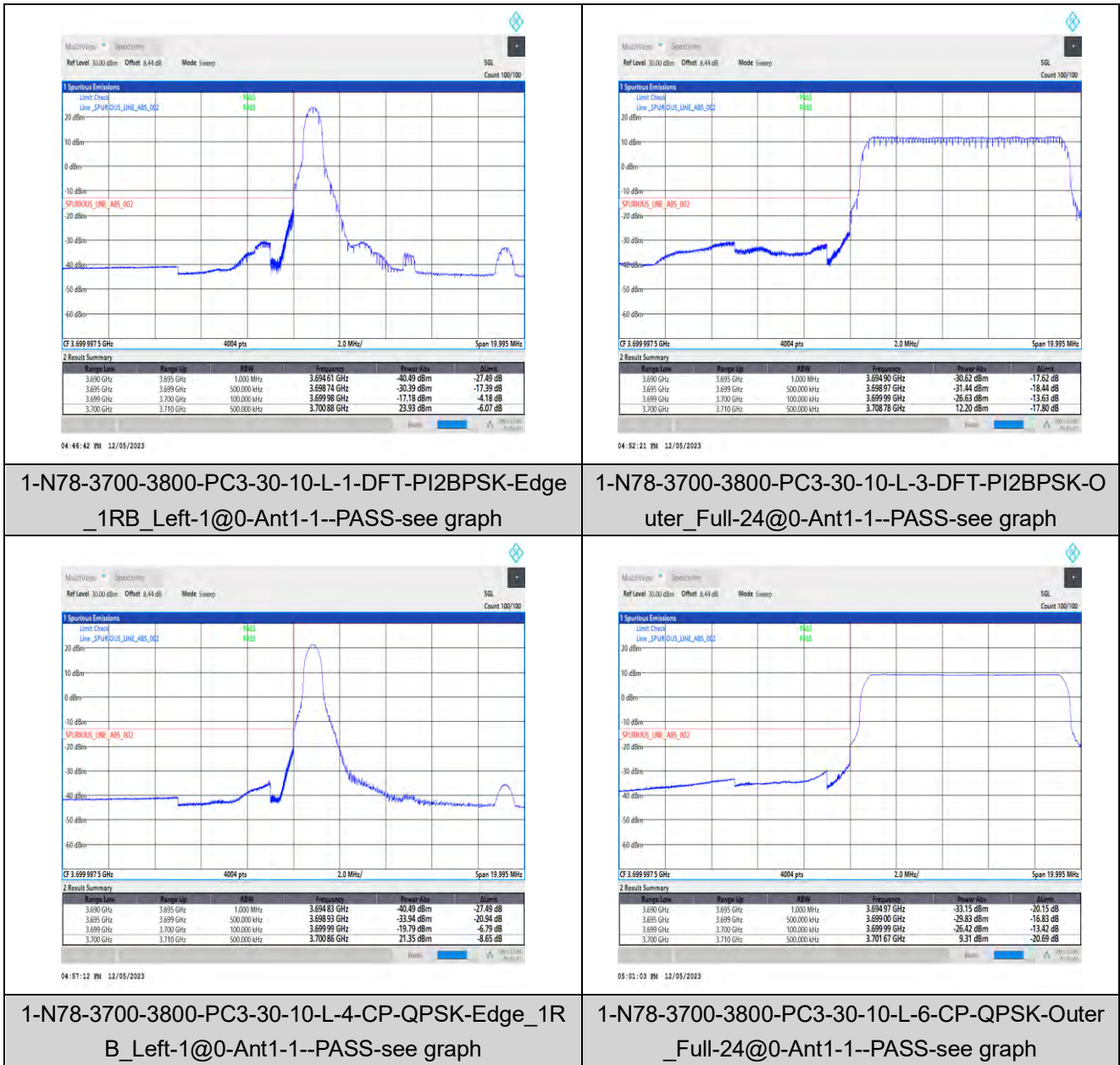
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### Band Edge for SA

### Test Graphs



1-N78-3700-3800-PC3-30-10-L-1-DFT-PI2BPSK-Edge  
 \_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N78-3700-3800-PC3-30-10-L-3-DFT-PI2BPSK-O  
 uter\_Full-24@0-Ant1-1--PASS-see graph

1-N78-3700-3800-PC3-30-10-L-4-CP-QPSK-Edge\_1R  
 B\_Left-1@0-Ant1-1--PASS-see graph

1-N78-3700-3800-PC3-30-10-L-6-CP-QPSK-Outer  
 \_Full-24@0-Ant1-1--PASS-see graph



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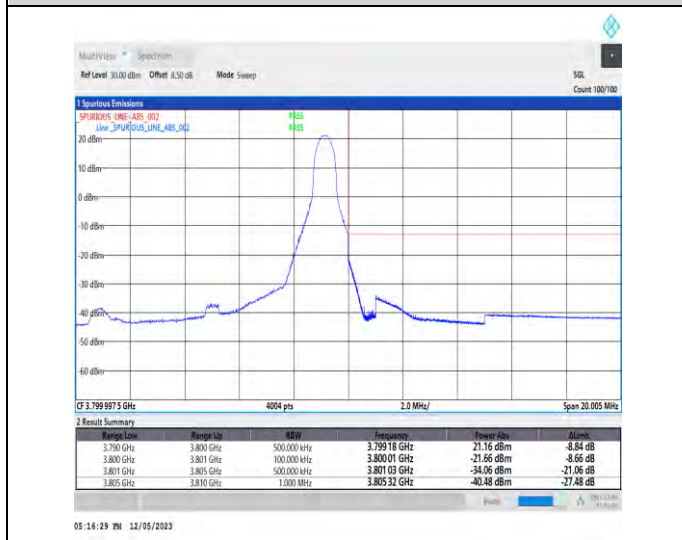




1-N78-3700-3800-PC3-30-10-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@23-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-10-H-3-DFT-PI2BPSK-Outer\_Full-24@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-10-H-5-CP-QPSK-Edge\_1RB\_Right-1@23-Ant1-1--PASS-see graph



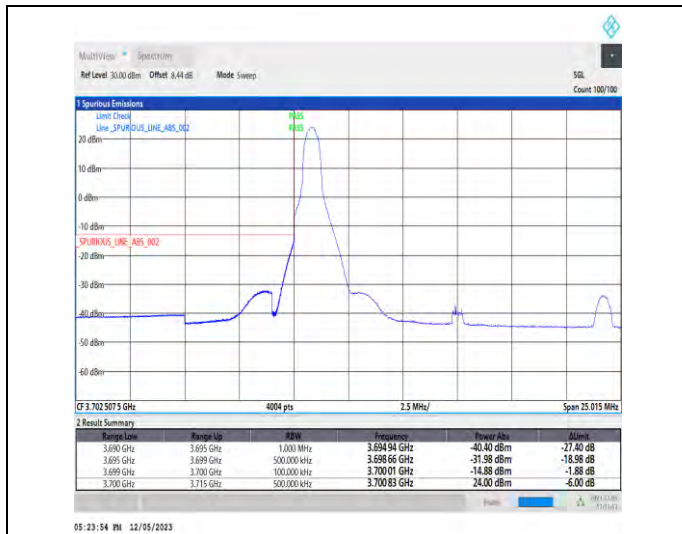
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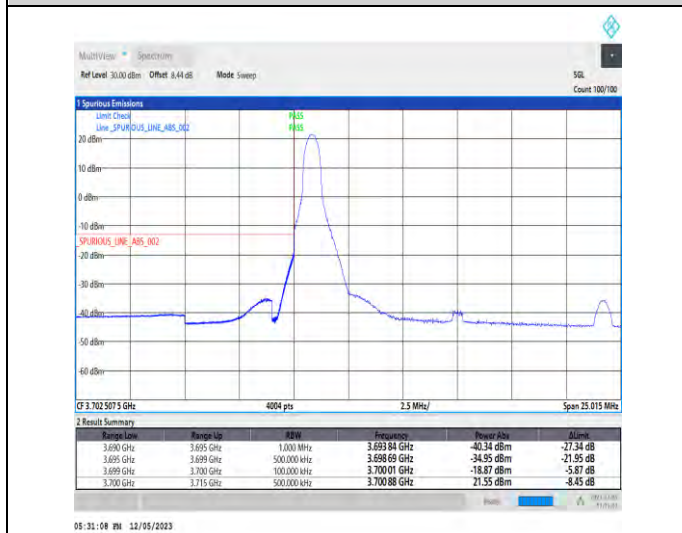
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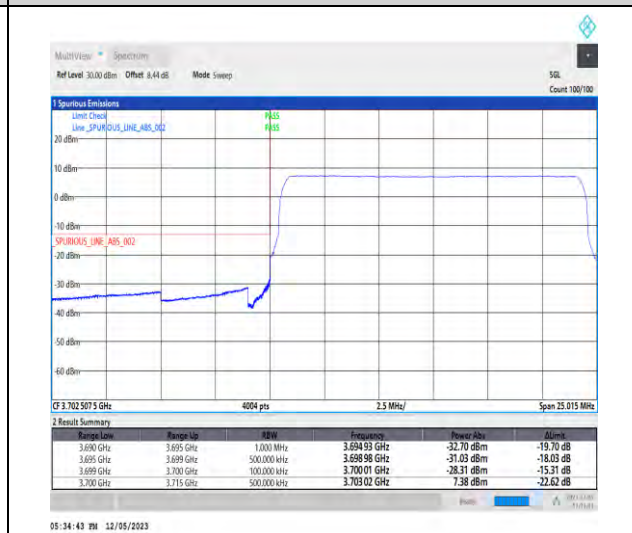
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1-N78-3700-3800-PC3-30-15-L-3-DFT-PI2BPSK-Outer\_Full-36@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-15-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph



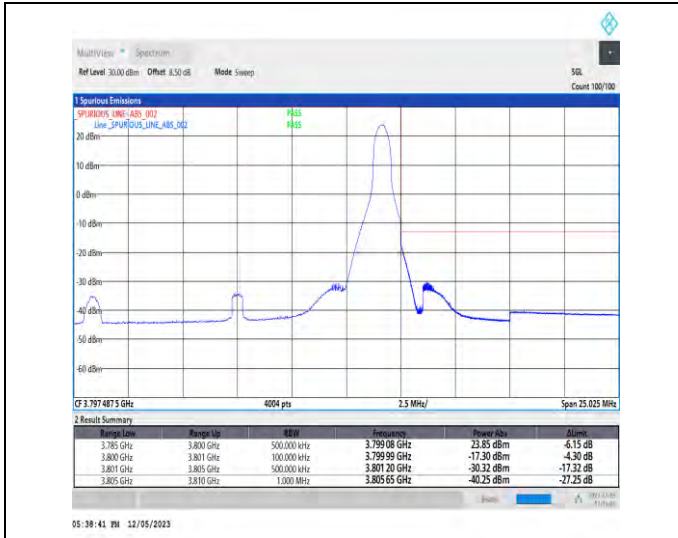
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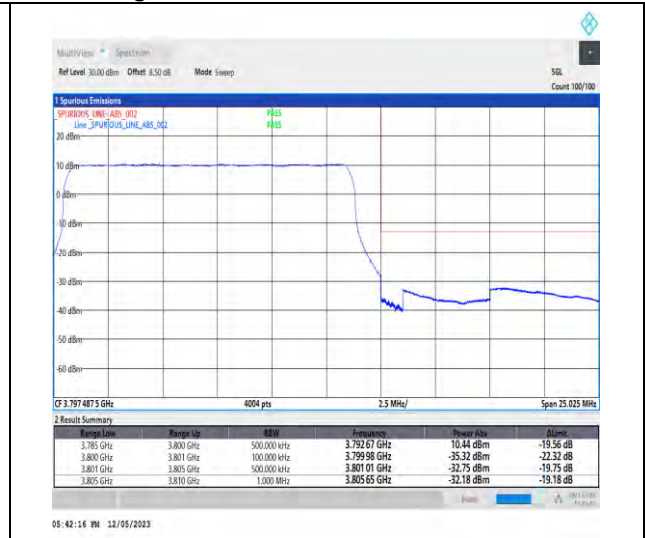
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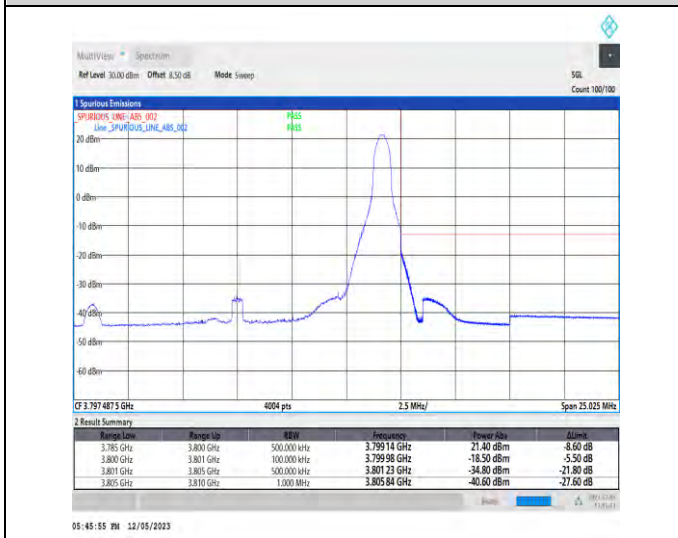




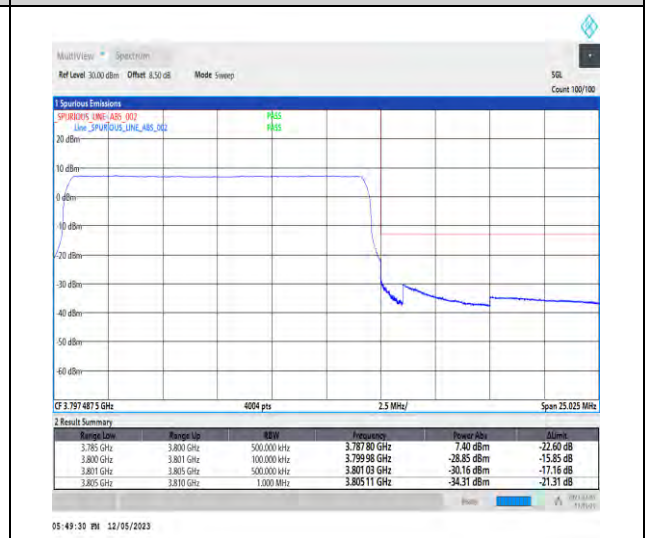
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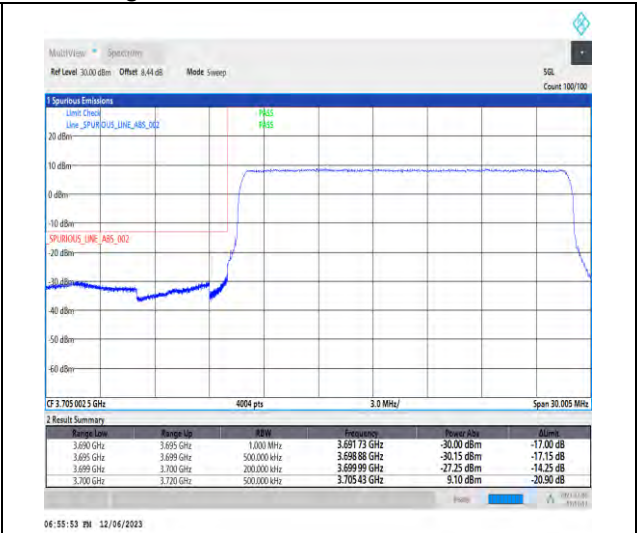
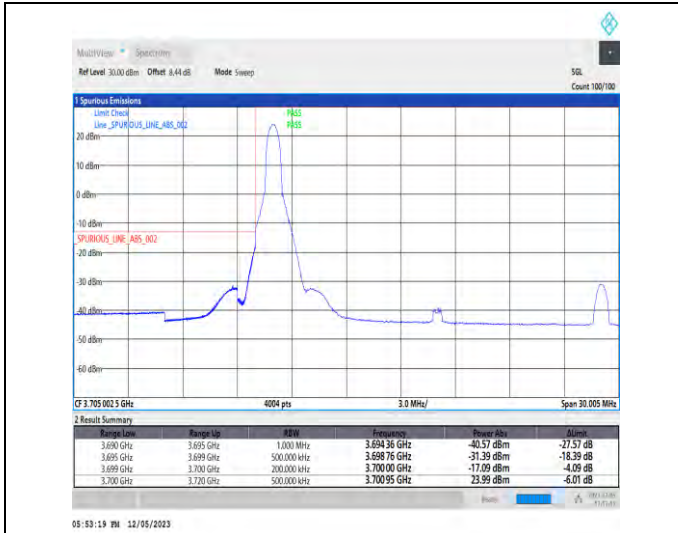
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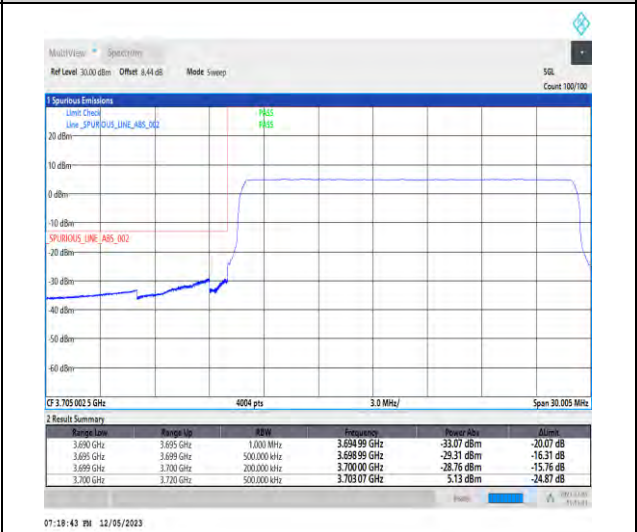
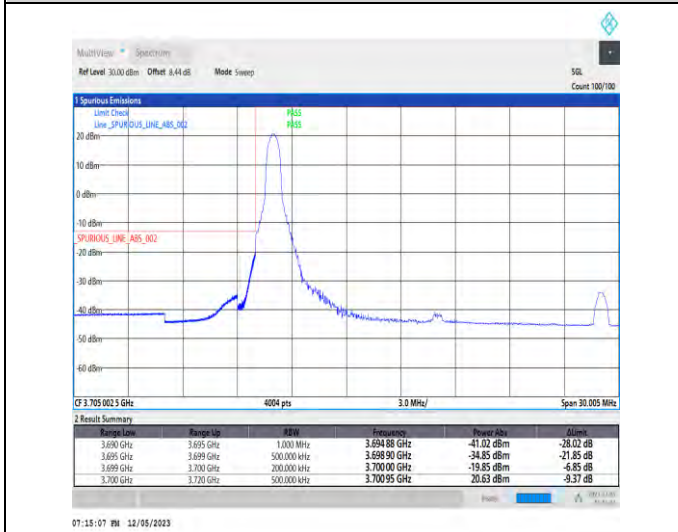
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1-N78-3700-3800-PC3-30-20-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N78-3700-3800-PC3-30-20-L-3-DFT-PI2BPSK-Outer\_Full-50@0-Ant1-1--PASS-see graph



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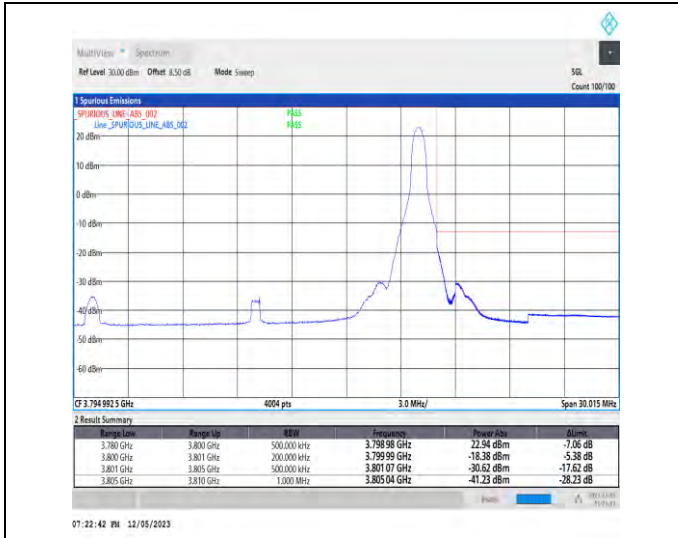
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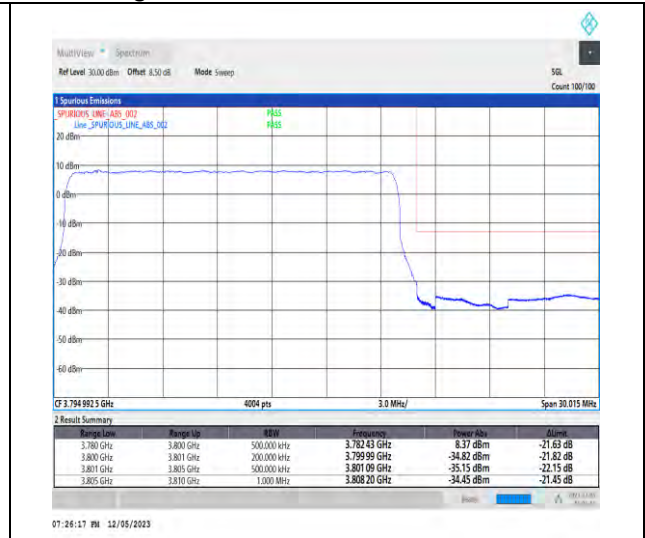
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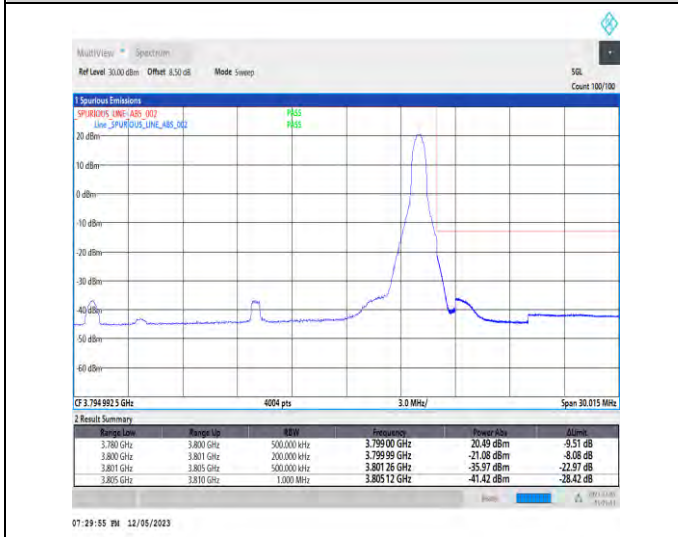




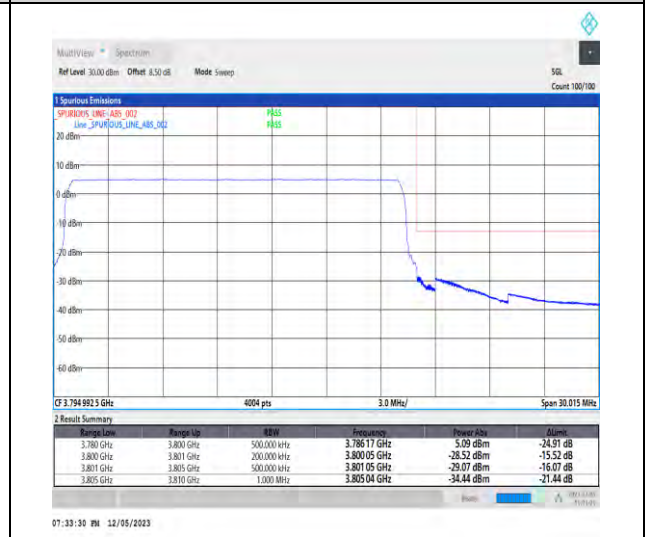
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1-N78-3700-3800-PC3-30-20-H-3-DFT-PI2BPSK-Outer\_Full-50@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-20-H-5-CP-QPSK-Edge\_1RB\_Right-1@50-Ant1-1--PASS-see graph



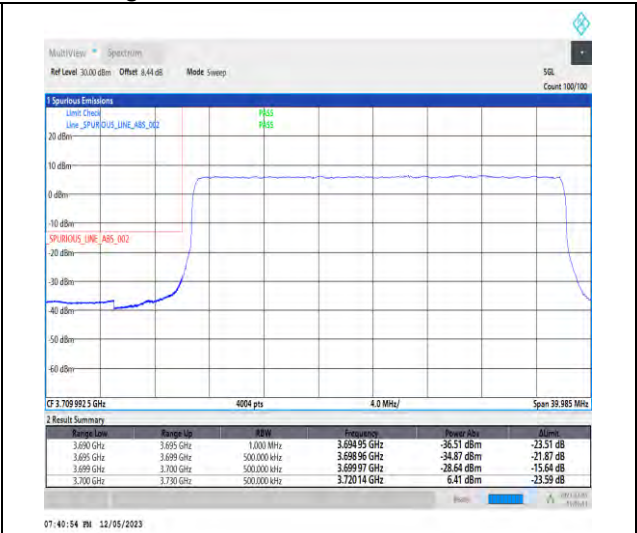
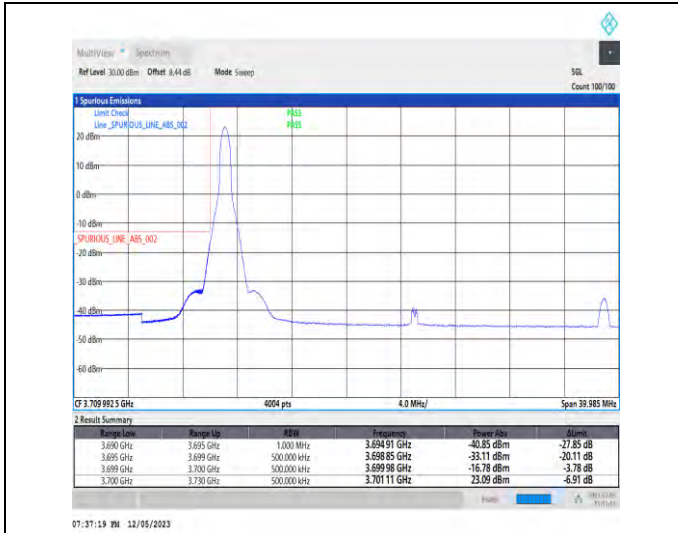
1-N78-3700-3800-PC3-30-20-H-6-CP-QPSK-Outer\_Full-51@0-Ant1-1--PASS-see graph



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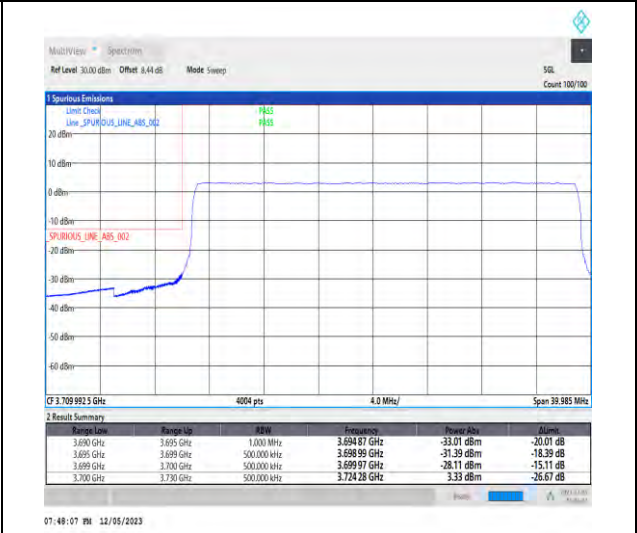
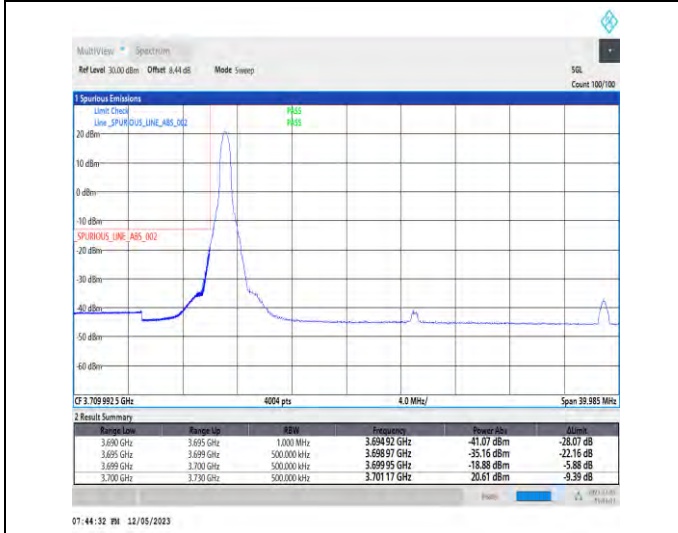
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1-N78-3700-3800-PC3-30-30-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N78-3700-3800-PC3-30-30-L-3-DFT-PI2BPSK-Outer\_Full-75@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-30-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N78-3700-3800-PC3-30-30-L-6-CP-QPSK-Outer\_Full-78@0-Ant1-1--PASS-see graph

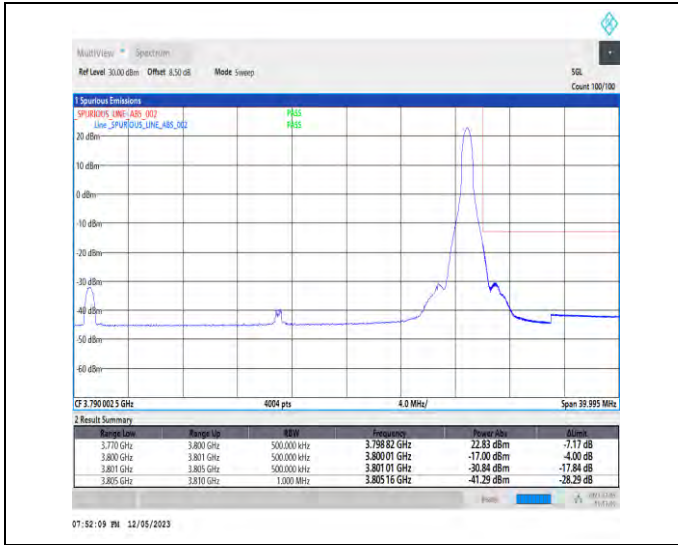


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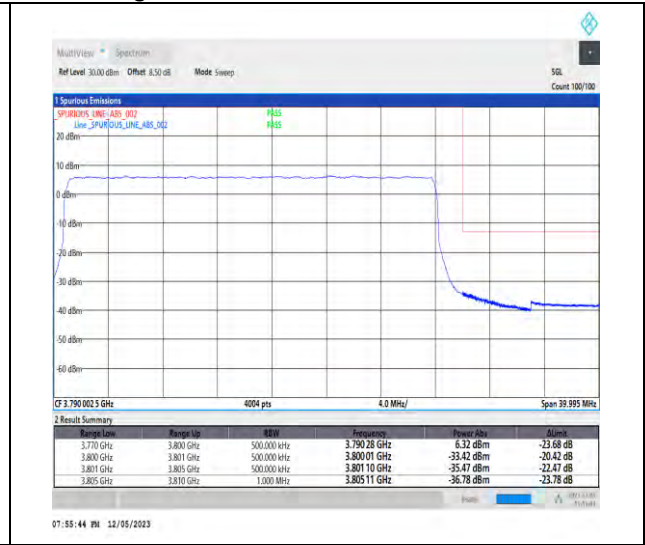
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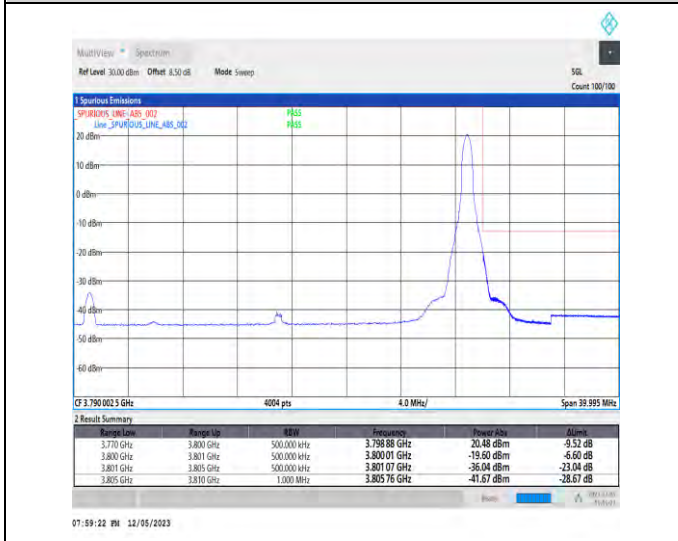




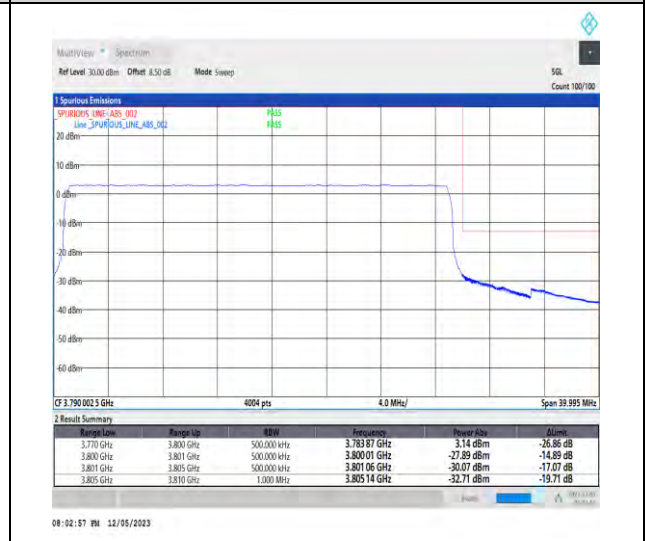
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1-N78-3700-3800-PC3-30-30-H-3-DFT-PI2BPSK-Outer\_Full-75@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-30-H-5-CP-QPSK-Edge\_1RB\_Right-1@77-Ant1-1--PASS-see graph



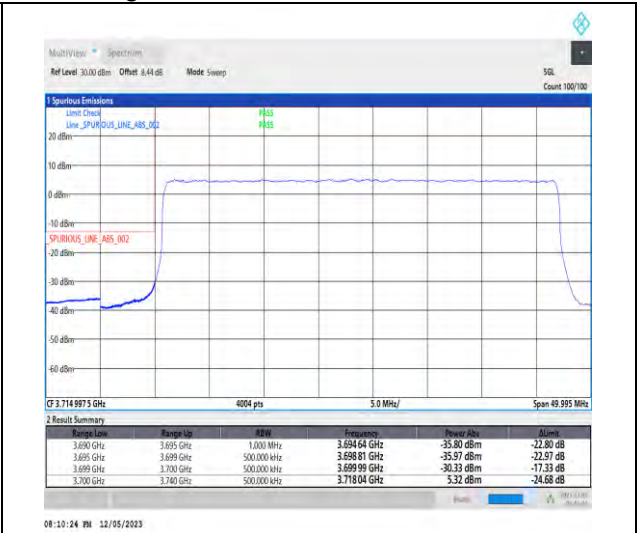
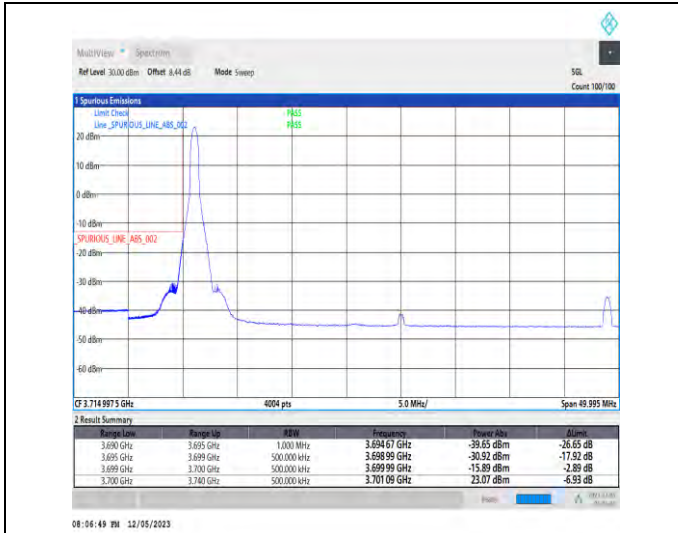
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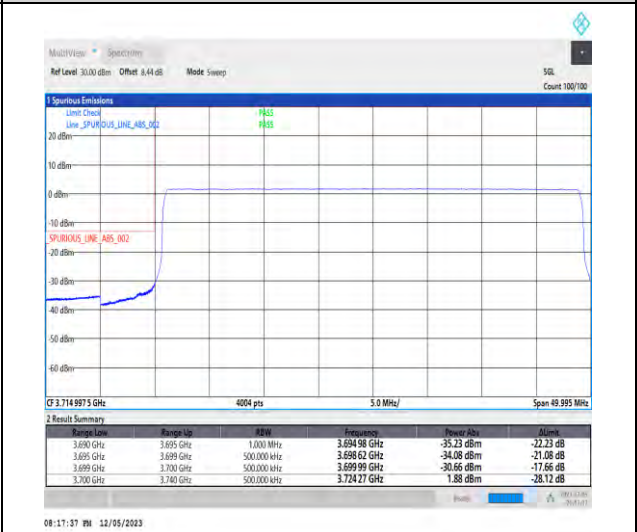
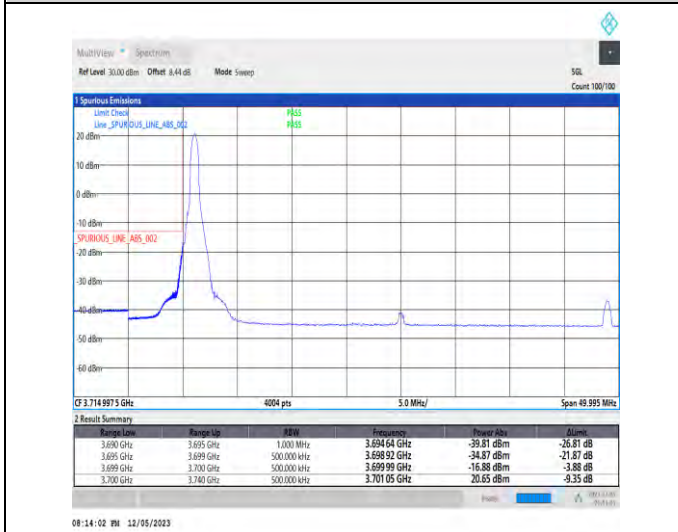
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1-N78-3700-3800-PC3-30-40-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N78-3700-3800-PC3-30-40-L-3-DFT-PI2BPSK-Outer\_Full-100@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-40-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

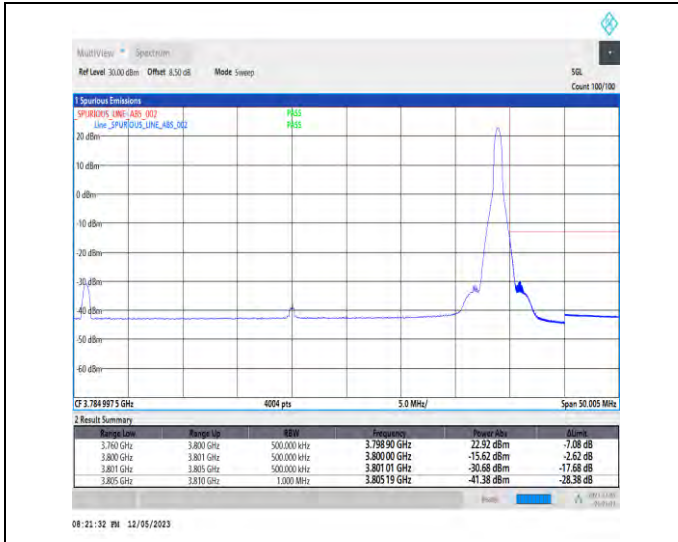
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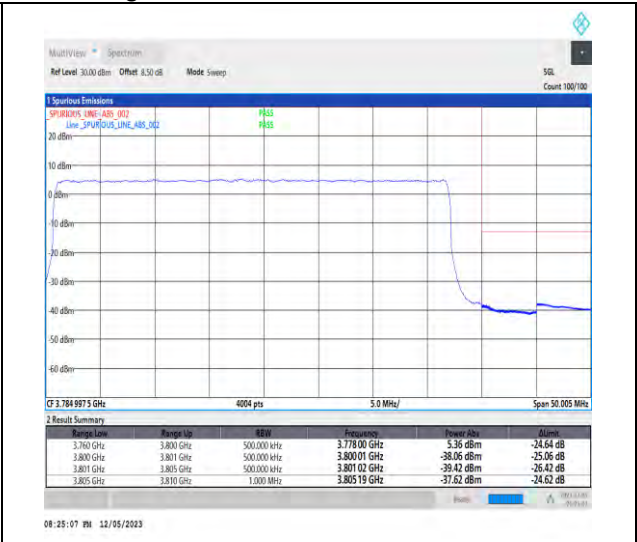
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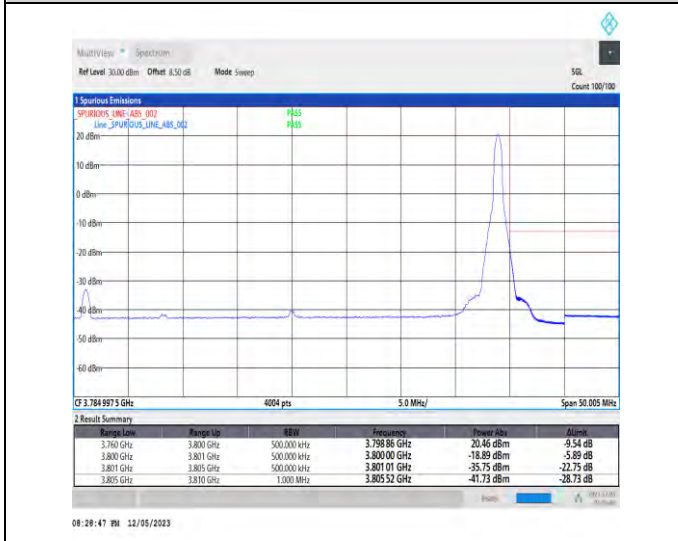




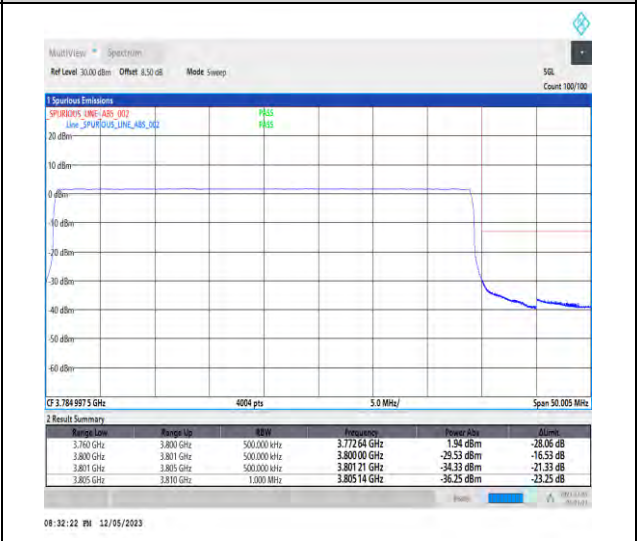
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1-N78-3700-3800-PC3-30-40-H-3-DFT-PI2BPSK-Outer\_Full-100@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-40-H-5-CP-QPSK-Edge\_1RB\_Right-1@105-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-40-H-6-CP-QPSK-Outer\_Full-106@0-Ant1-1--PASS-see graph

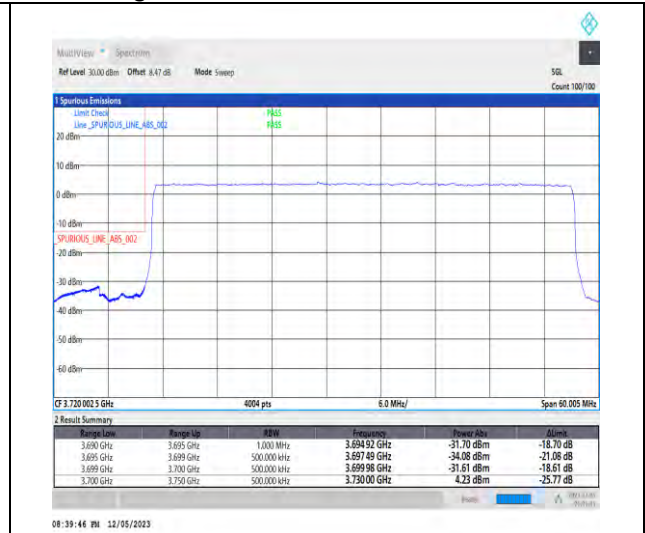


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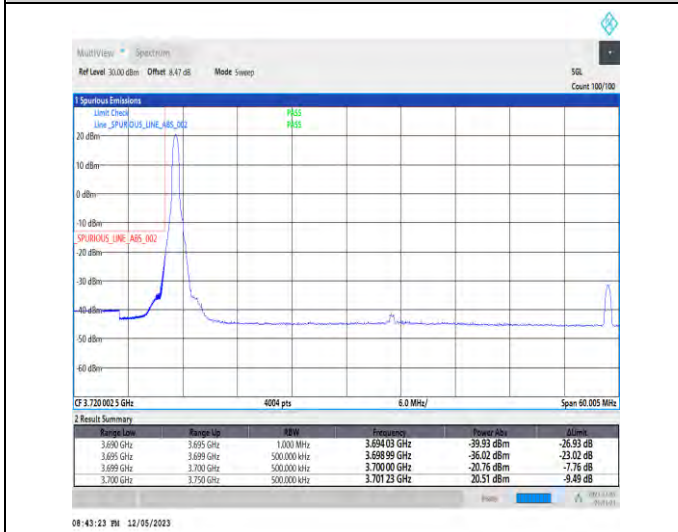
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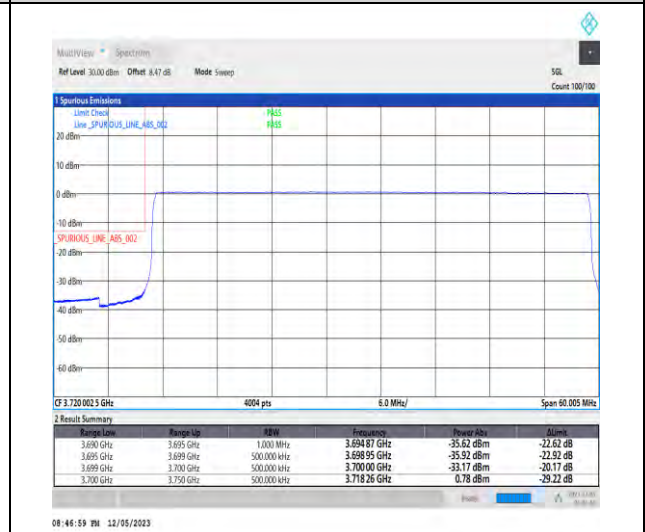
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1-N78-3700-3800-PC3-30-50-L-3-DFT-PI2BPSK-Outer\_Full-128@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-50-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-50-L-6-CP-QPSK-Outer\_Full-133@0-Ant1-1--PASS-see graph

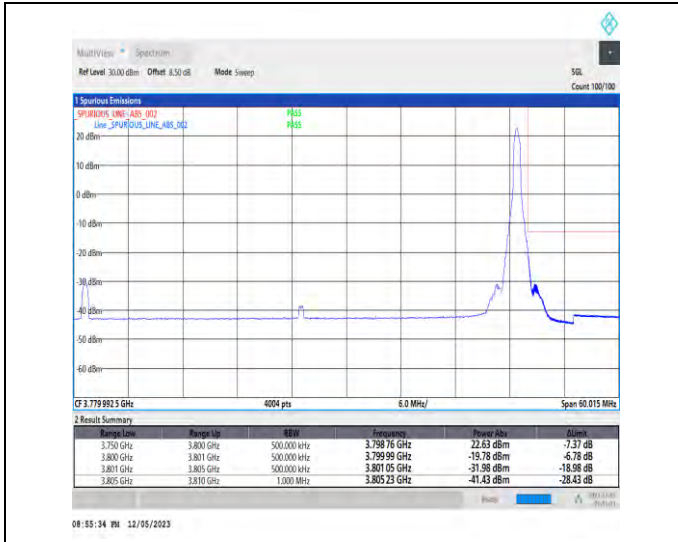


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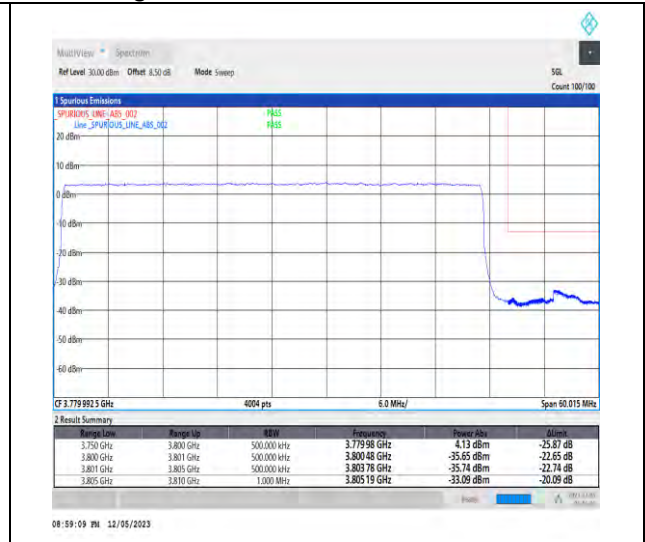
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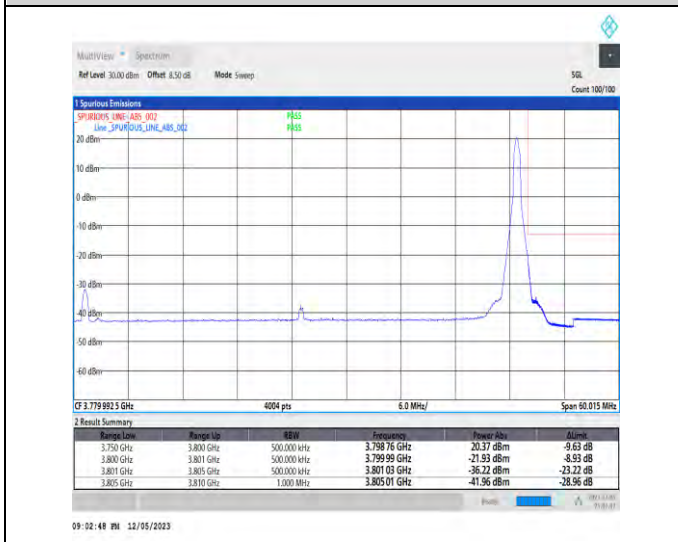




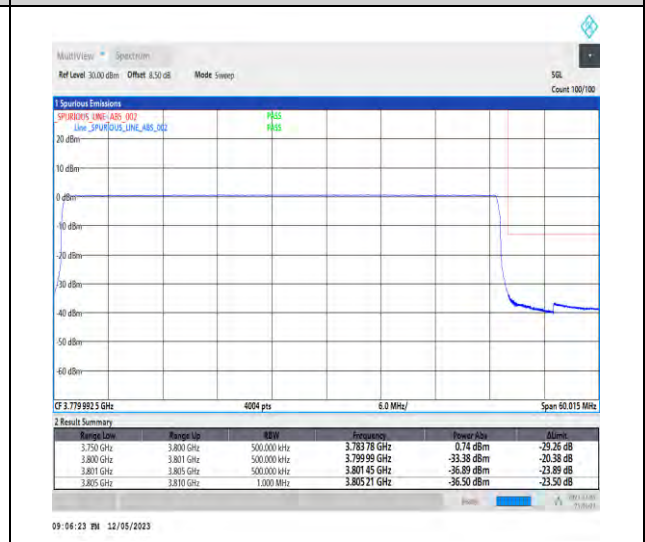
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1-N78-3700-3800-PC3-30-50-H-3-DFT-PI2BPSK-Outer\_Full-128@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-50-H-5-CP-QPSK-Edge\_1RB\_Right-1@132-Ant1-1--PASS-see graph



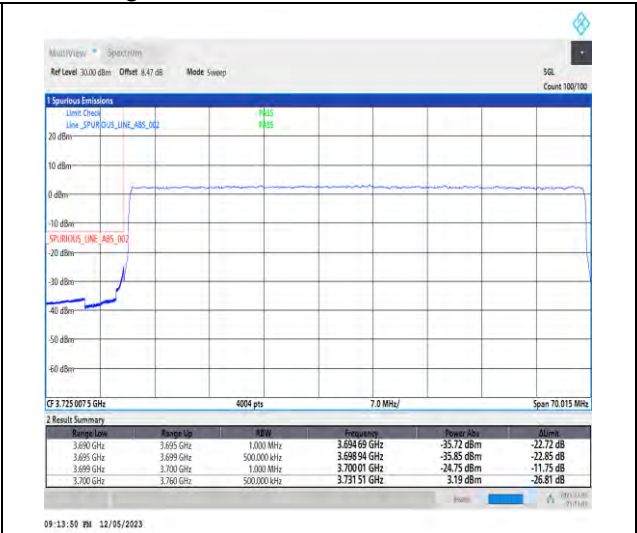
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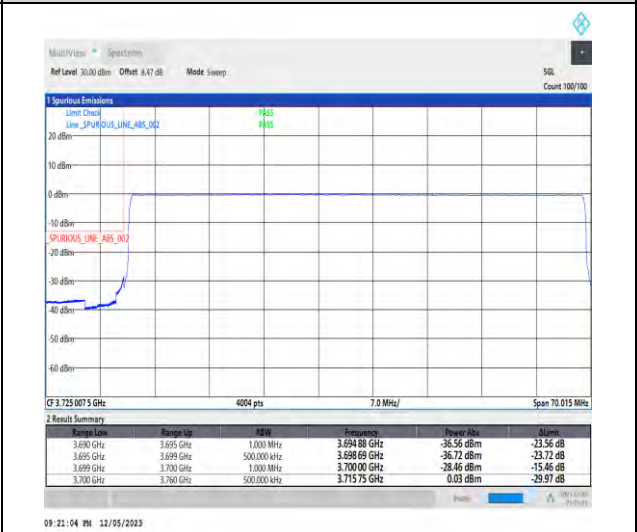
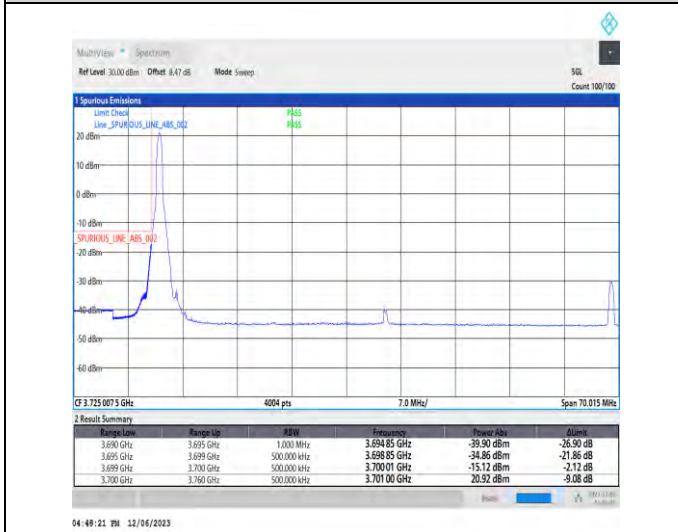
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1-N78-3700-3800-PC3-30-60-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N78-3700-3800-PC3-30-60-L-3-DFT-PI2BPSK-Outer\_Full-162@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-60-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

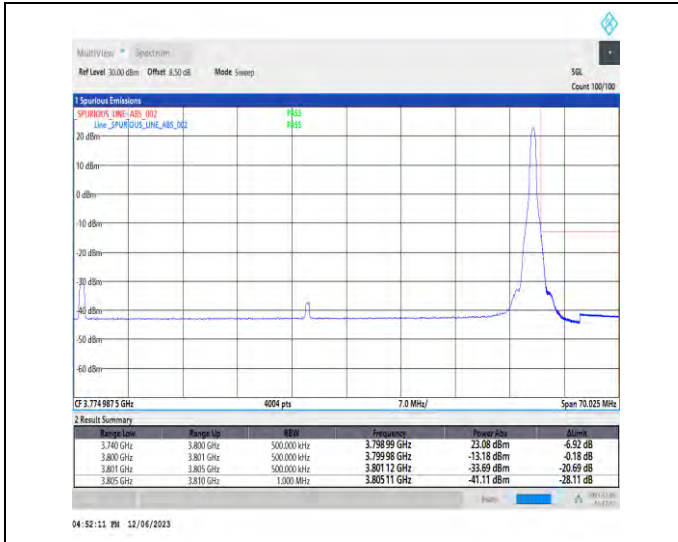
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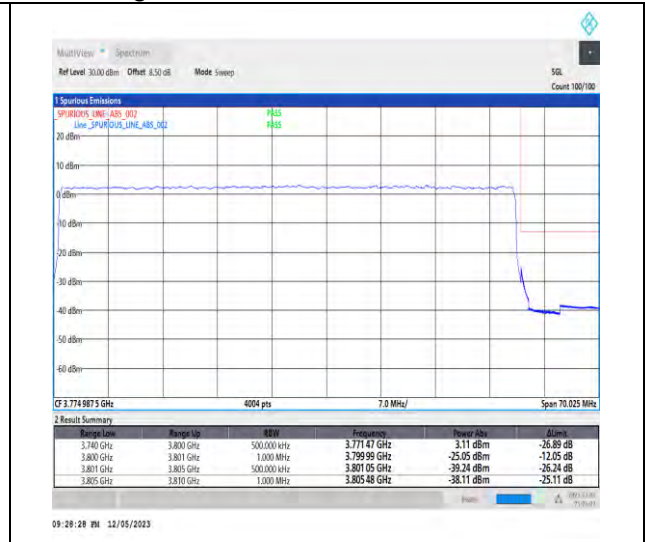
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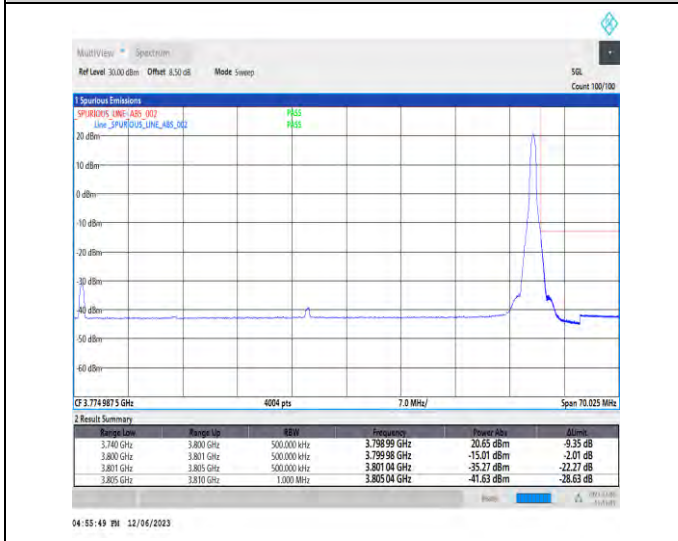




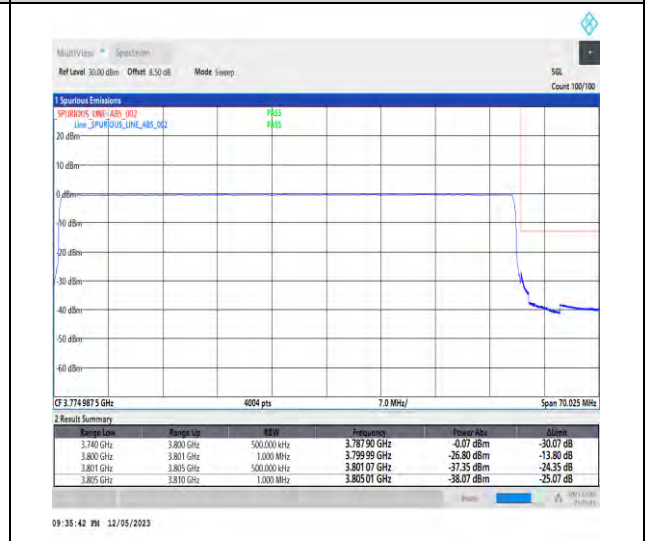
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1-N78-3700-3800-PC3-30-60-H-3-DFT-PI2BPSK-Outer\_Full-162@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-60-H-5-CP-QPSK-Edge\_1RB\_Right-1@161-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-60-H-6-CP-QPSK-Outer\_Full-162@0-Ant1-1--PASS-see graph



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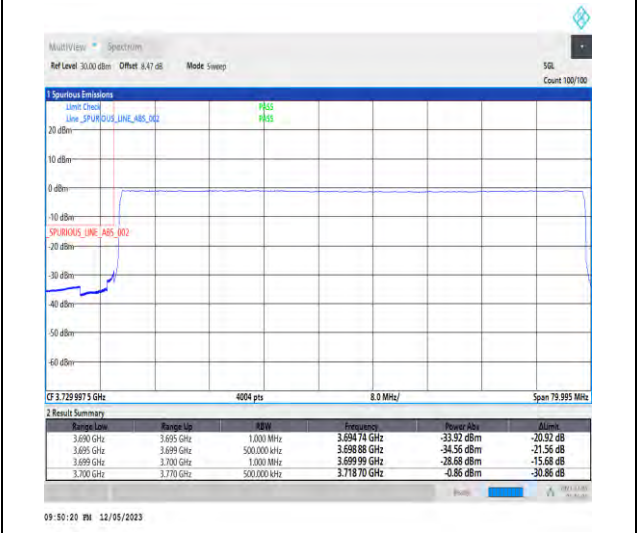
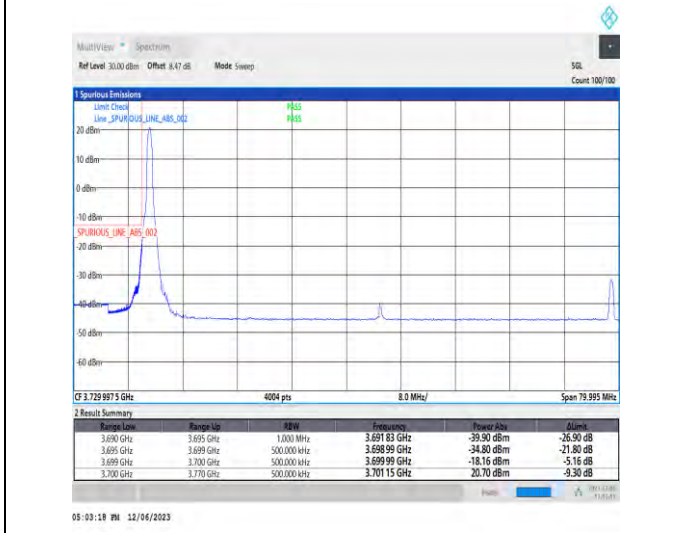
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1-N78-3700-3800-PC3-30-70-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N78-3700-3800-PC3-30-70-L-3-DFT-PI2BPSK-Outer\_Full-180@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-70-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N78-3700-3800-PC3-30-70-L-6-CP-QPSK-Outer\_Full-189@0-Ant1-1--PASS-see graph



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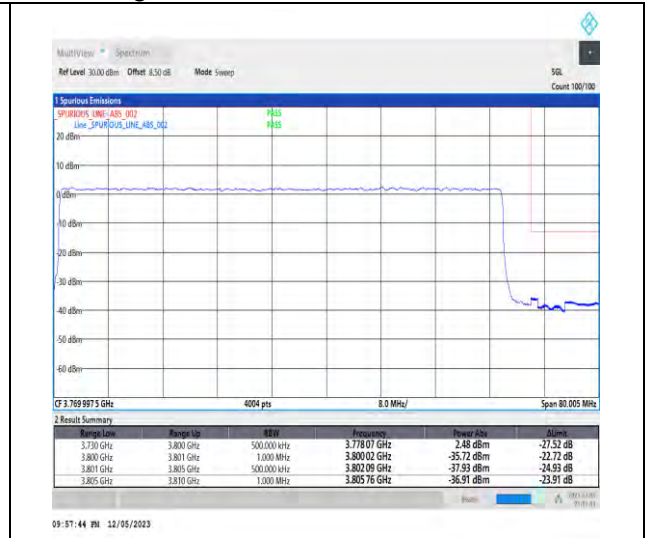
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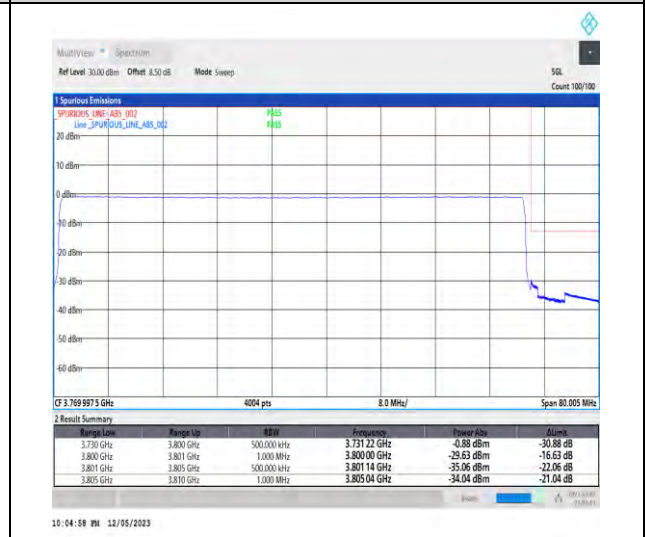
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1-N78-3700-3800-PC3-30-70-H-3-DFT-PI2BPSK-Outer\_Full-180@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-70-H-5-CP-QPSK-Edge\_1RB\_Right-1@188-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-70-H-6-CP-QPSK-Outer\_Full-189@0-Ant1-1--PASS-see graph



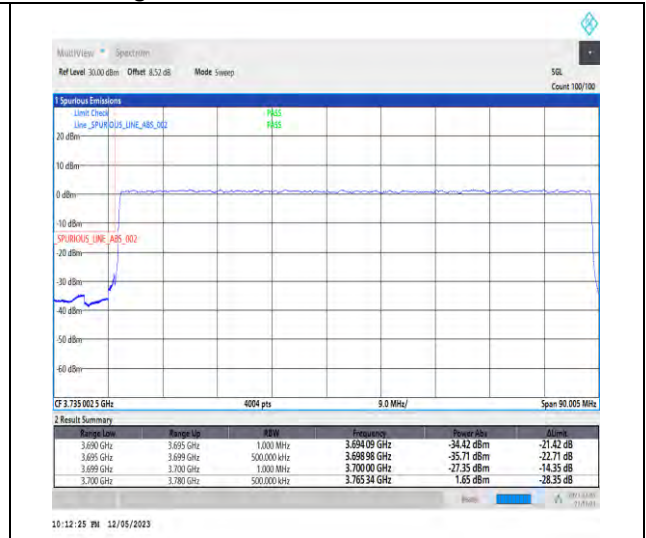
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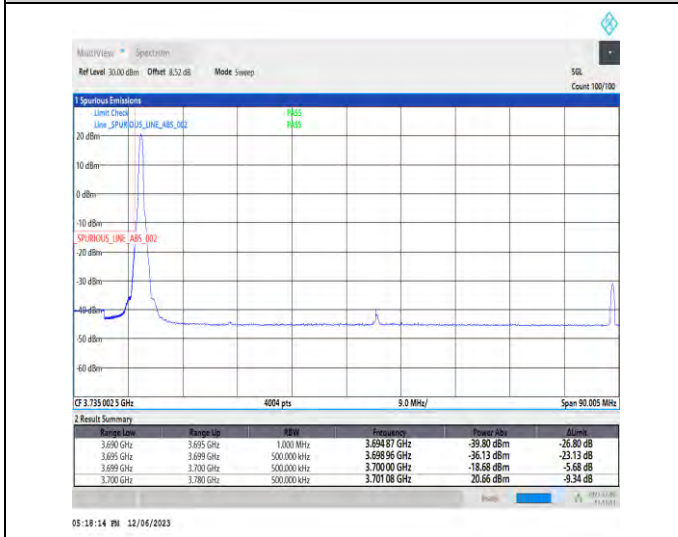
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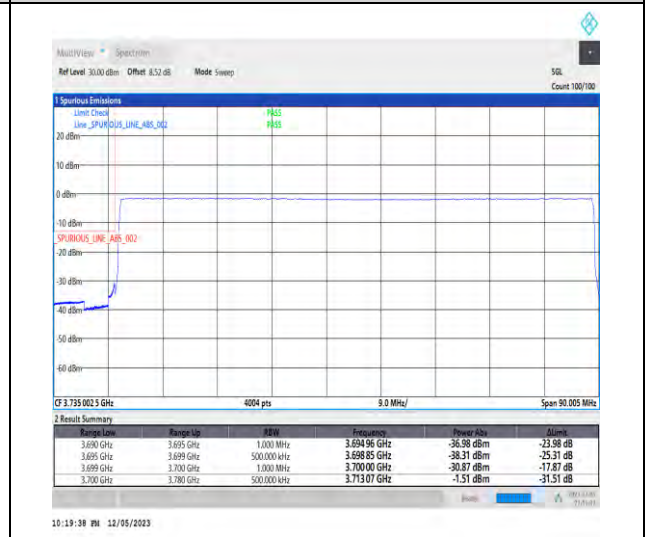
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1-N78-3700-3800-PC3-30-80-L-3-DFT-PI2BPSK-Outer\_Full-216@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-80-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph



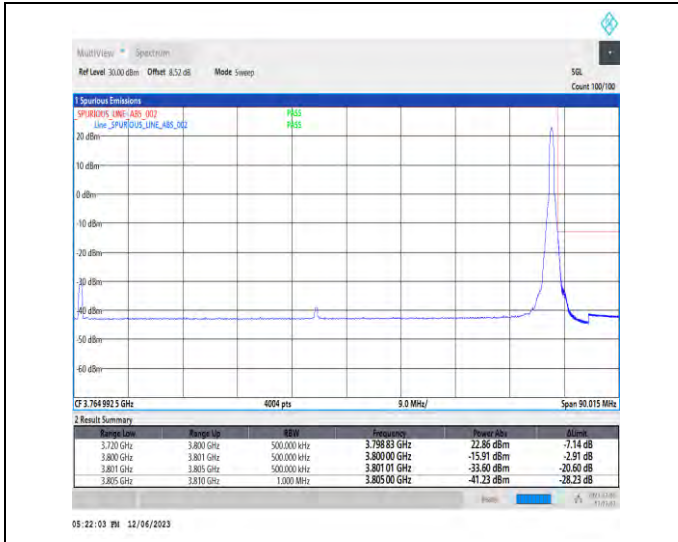
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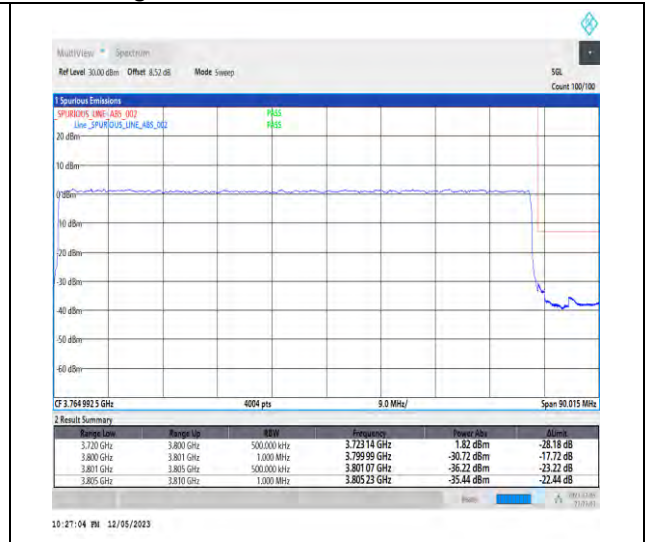
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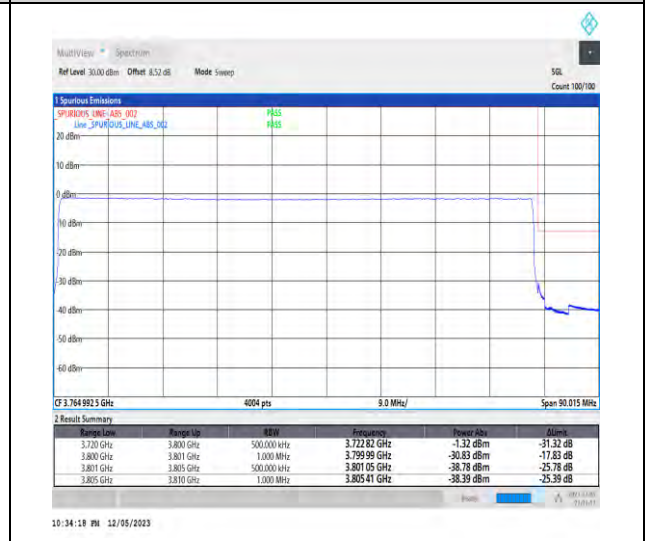
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1-N78-3700-3800-PC3-30-80-H-3-DFT-PI2BPSK-Outer\_Full-216@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-80-H-5-CP-QPSK-Edge\_1RB\_Right-1@216-Ant1-1--PASS-see graph



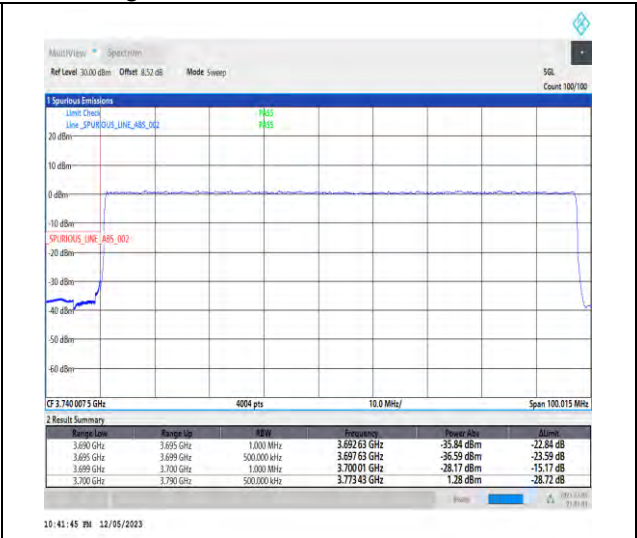
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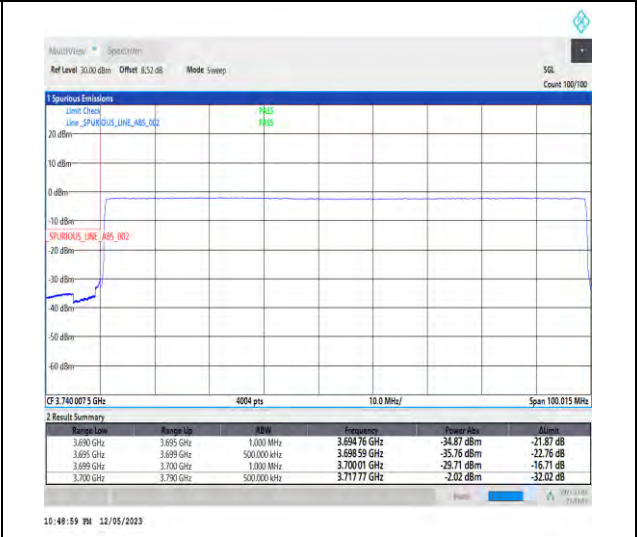
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1-N78-3700-3800-PC3-30-90-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N78-3700-3800-PC3-30-90-L-3-DFT-PI2BPSK-Outer\_Full-240@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-90-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N78-3700-3800-PC3-30-90-L-6-CP-QPSK-Outer\_Full-245@0-Ant1-1--PASS-see graph



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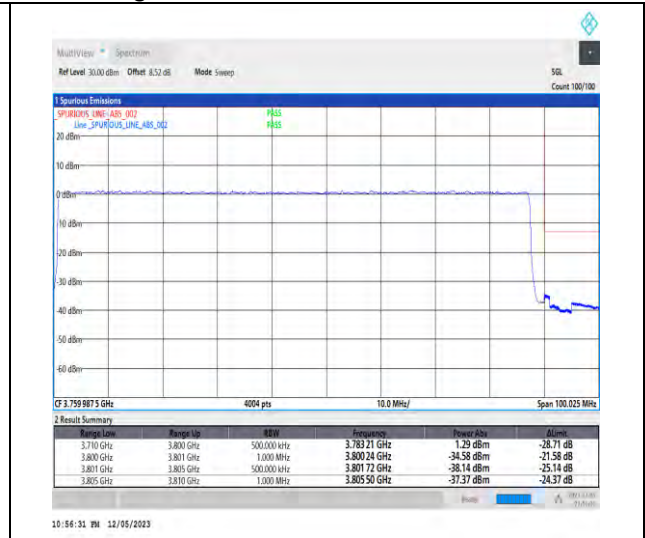
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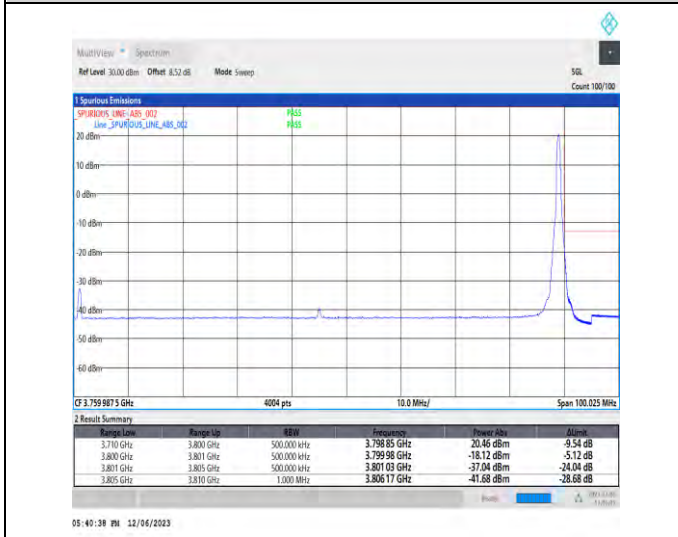




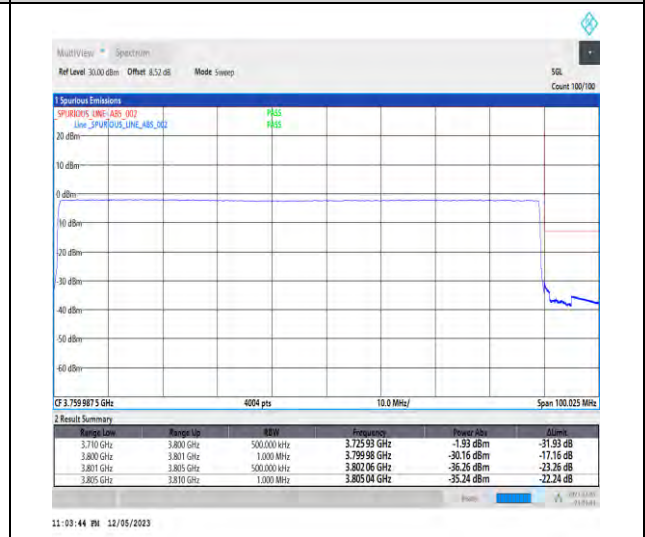
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1-N78-3700-3800-PC3-30-90-H-3-DFT-PI2BPSK-Outer\_Full-240@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-90-H-5-CP-QPSK-Edge\_1RB\_Right-1@244-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-90-H-6-CP-QPSK-Outer\_Full-245@0-Ant1-1--PASS-see graph



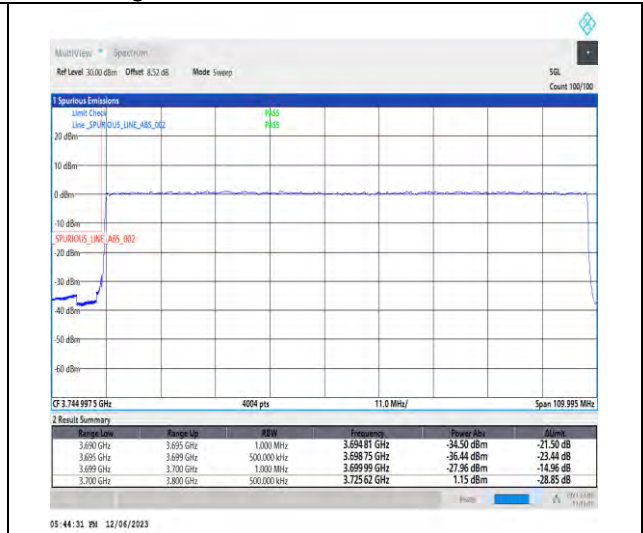
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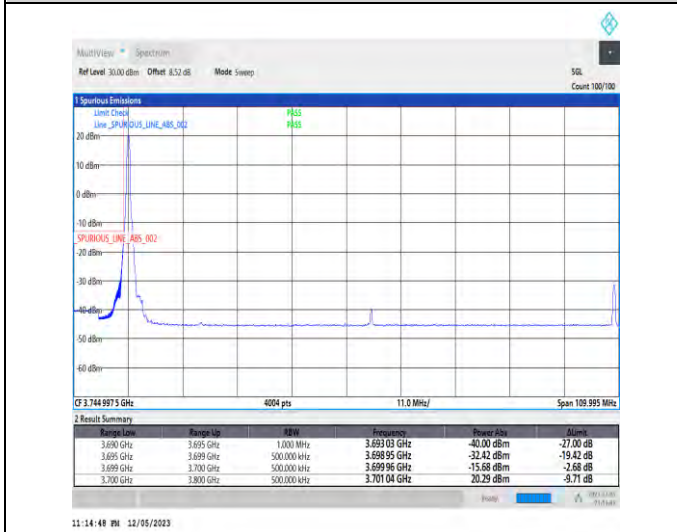
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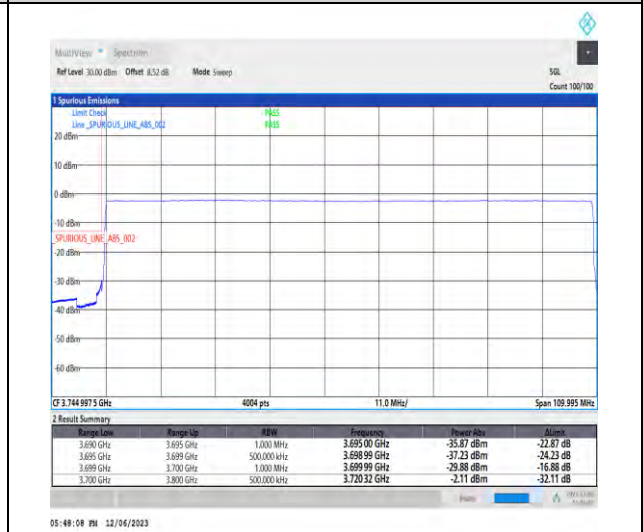
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1-N78-3700-3800-PC3-30-100-L-3-DFT-PI2BPSK-Outer\_Full-270@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-100-L-4-CP-QPSK-Edge\_1\_RB\_Left-1@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-100-L-6-CP-QPSK-Outer\_Full-273@0-Ant1-1--PASS-see graph



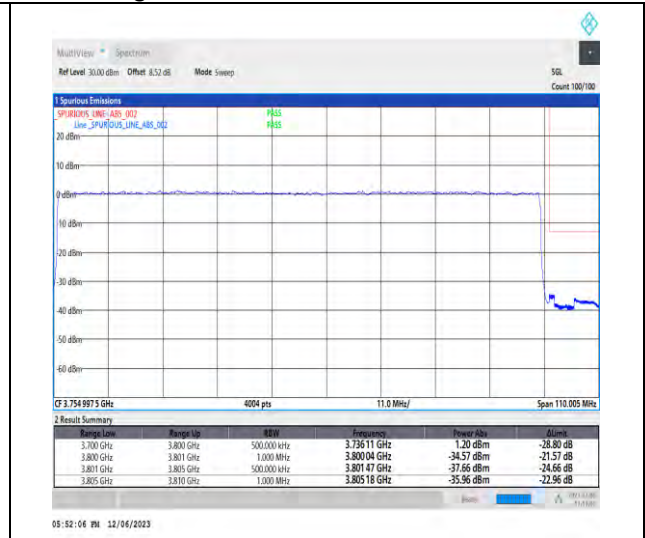
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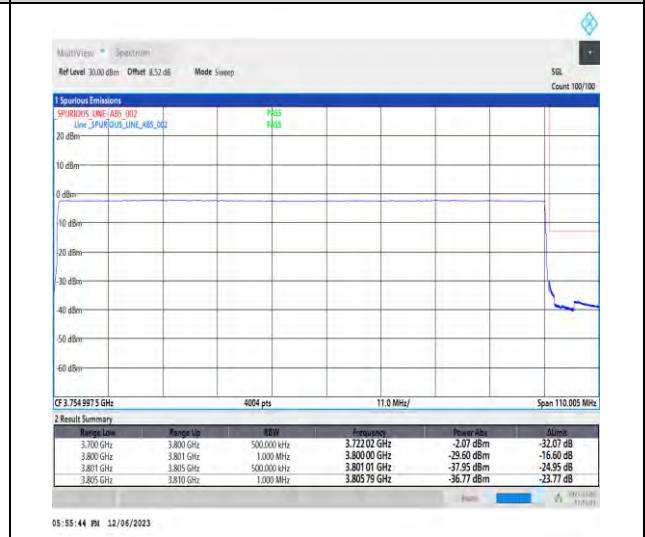
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1-N78-3700-3800-PC3-30-100-H-3-DFT-PI2BPSK-Outer\_Full-270@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-100-H-5-CP-QPSK-Edge\_1\_RB\_Right-1@272-Ant1-1--PASS-see graph



1-N78-3700-3800-PC3-30-100-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-N78-3700-3800-PC3-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.01--81.63--4 3-PASS</p>	<p>1-N78-3700-3800-PC3-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-29.73--79.63--33-PASS</p>
<p>1-N78-3700-3800-PC3-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1-31.46--63.65--13-PASS</p>	<p>1-N78-3700-3800-PC3-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-6000-Ant1-5496.50--33.37--13-PASS</p>

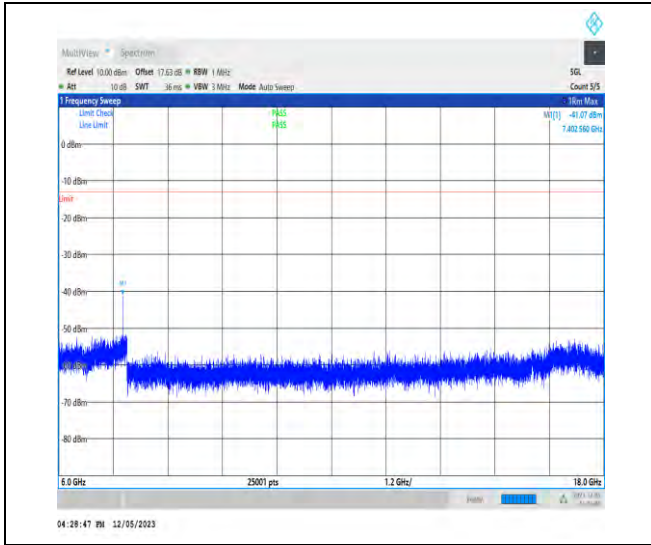


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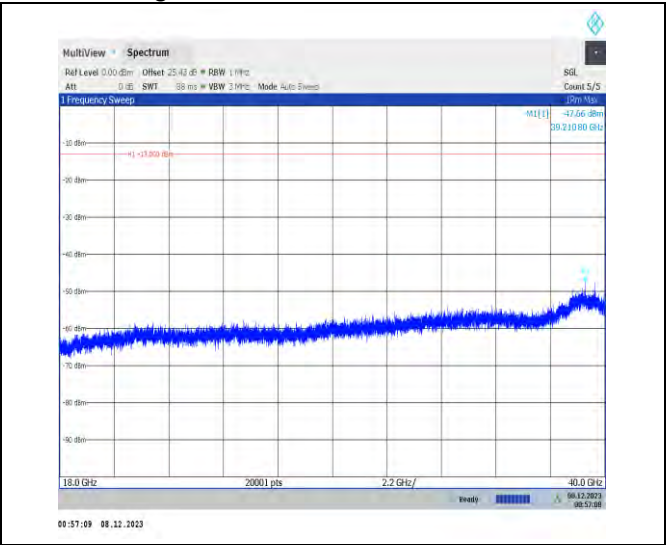
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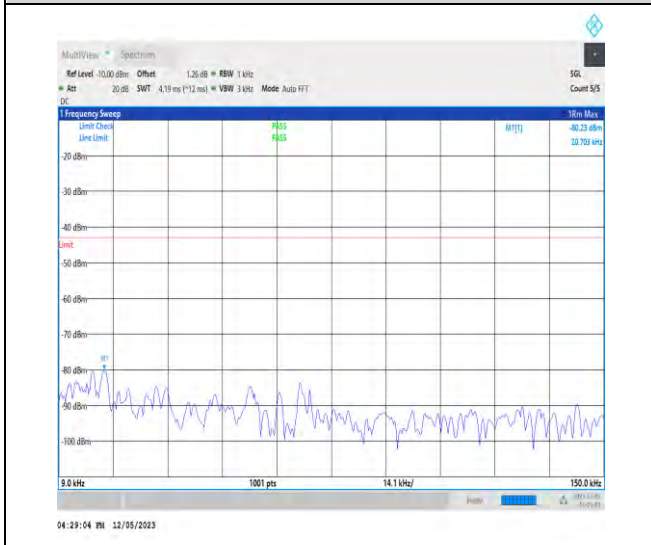




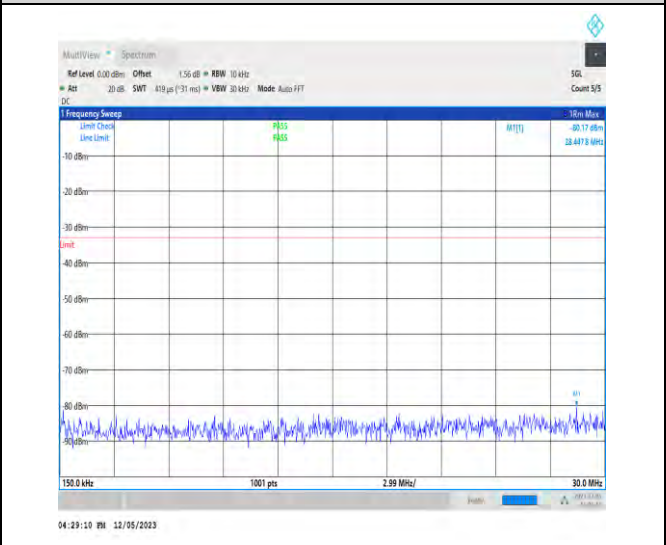
1-N78-3700-3800-PC3-30-100-L-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-6000-18000-Ant1-7402.56--41.0  
7--13-PASS



1-N78-3700-3800-PC3-30-100-L-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-18000-40000-Ant1-18000.00--55.04--13-PASS



1-N78-3700-3800-PC3-30-100-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.009-0.15-Ant1-0.02--80.23--43-PASS



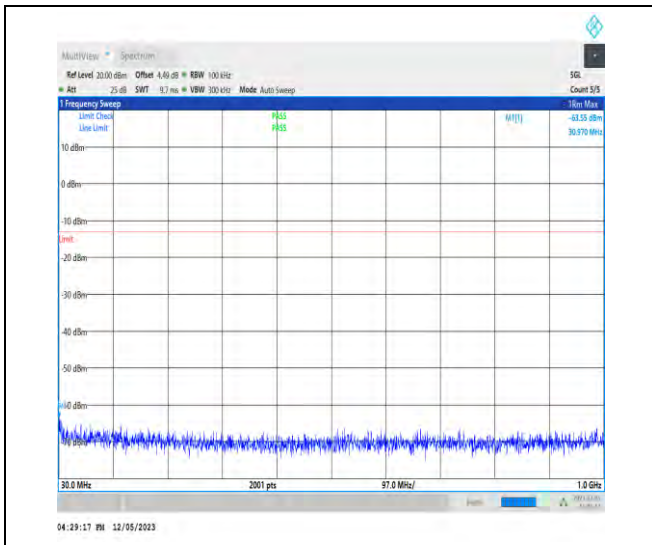
1-N78-3700-3800-PC3-30-100-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.15-30-Ant1-28.45--80.17--33-PASS



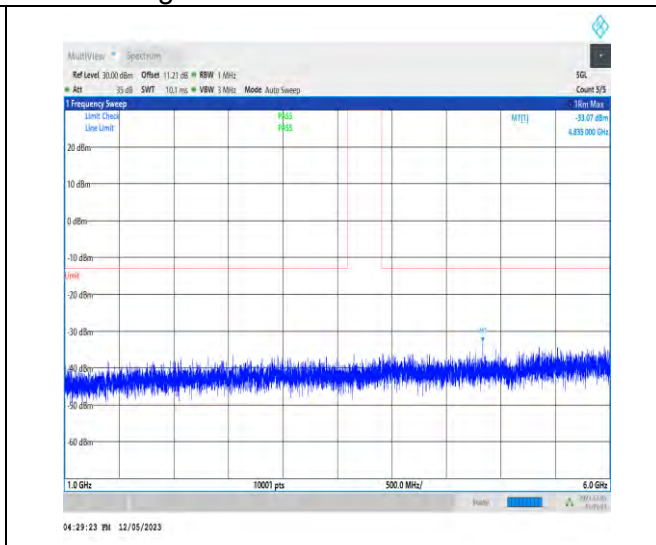
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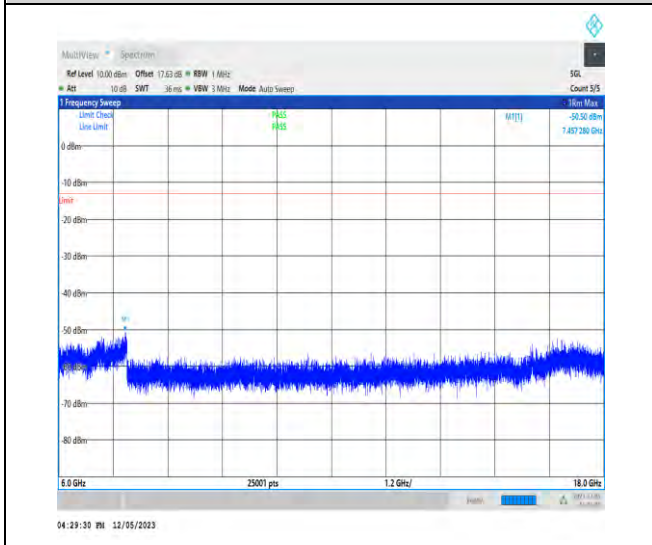
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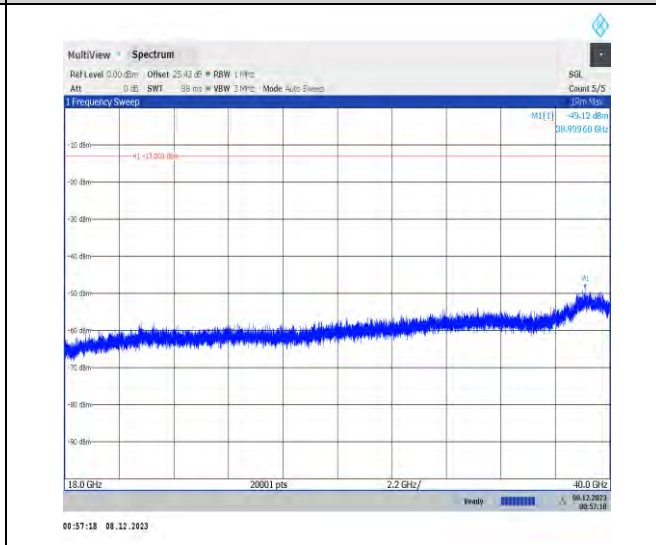
1-N78-3700-3800-PC3-30-100-M-1-DFT-PI2BPSK-  
 Inner\_1RB\_Left-1@1-30-1000-Ant1-30.97--63.55--1  
 3-PASS



1-N78-3700-3800-PC3-30-100-M-1-DFT-PI2BPSK-  
 Inner\_1RB\_Left-1@1-1000-6000-Ant1-4835.00--33.07--  
 13-PASS



1-N78-3700-3800-PC3-30-100-M-1-DFT-PI2BPSK-  
 Inner\_1RB\_Left-1@1-6000-18000-Ant1-7457.28--50.  
 50--13-PASS



1-N78-3700-3800-PC3-30-100-M-1-DFT-PI2BPSK-  
 Inner\_1RB\_Left-1@1-18000-40000-Ant1-18000.00--54  
 .43--13-PASS

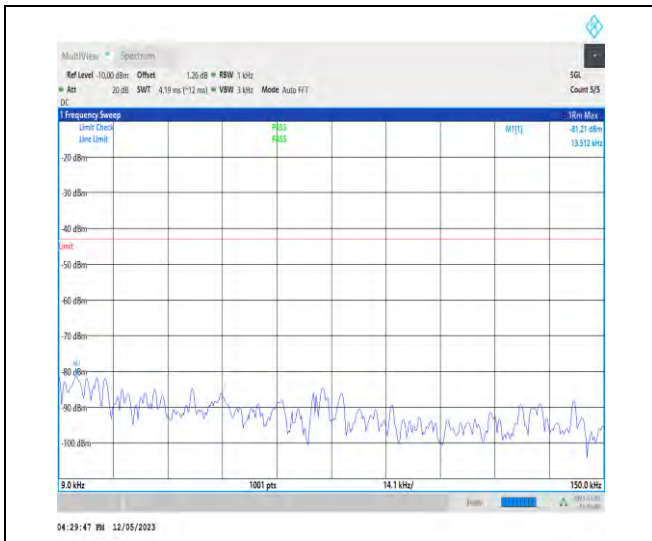


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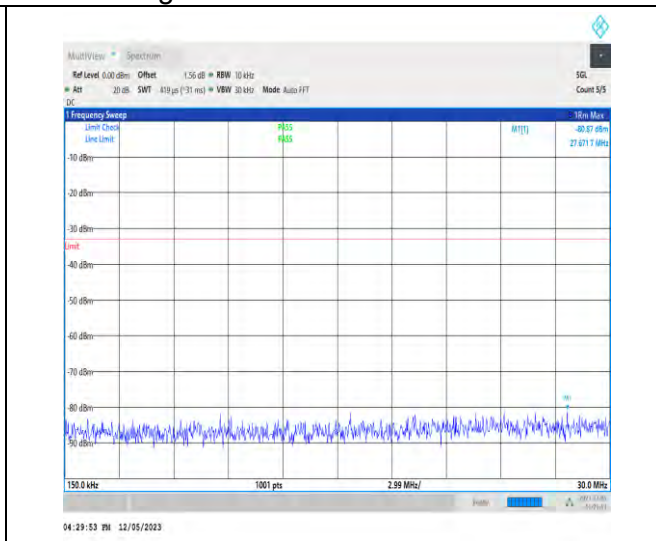
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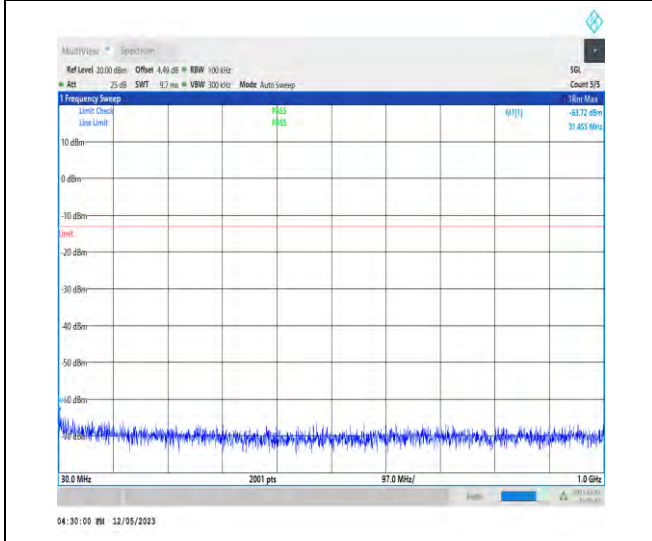




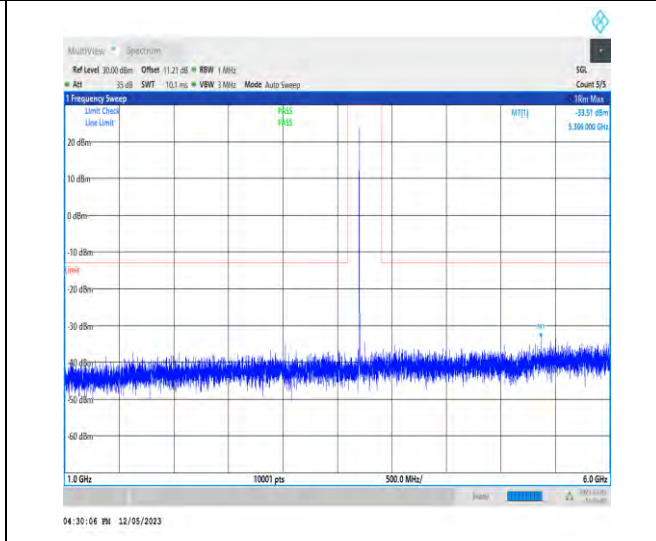
1-N78-3700-3800-PC3-30-100-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.009-0.15-Ant1-0.01--81.21--43-PASS



1-N78-3700-3800-PC3-30-100-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.15-30-Ant1-27.67--80.87--33-PASS



1-N78-3700-3800-PC3-30-100-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-30-1000-Ant1-31.46--63.72--13-PASS



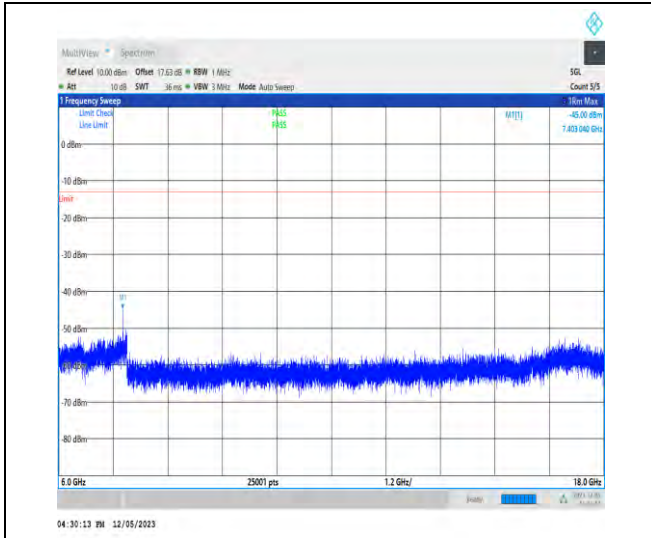
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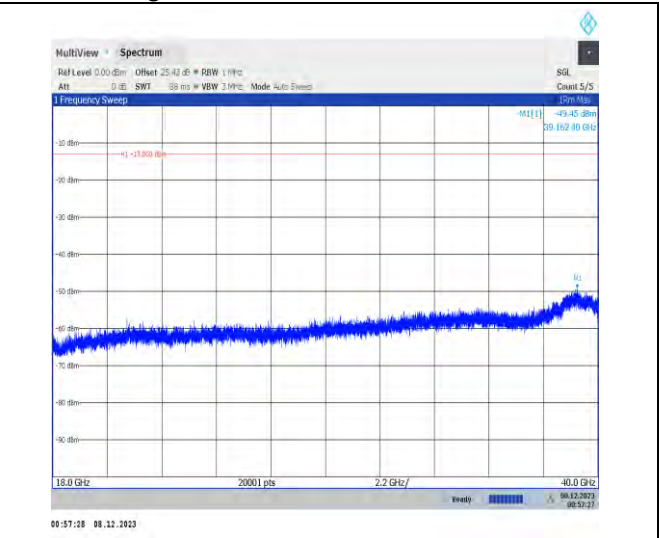
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1-N78-3700-3800-PC3-30-100-H-1-DFT-PI2BPSK-I  
 nner\_1RB\_Left-1@1-6000-18000-Ant1-7403.04--45.  
 00--13-PASS



1-N78-3700-3800-PC3-30-100-H-1-DFT-PI2BPSK-In  
 ner\_1RB\_Left-1@1-18000-40000-Ant1-18000.00--54  
 .78--13-PASS



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## Field Strength of Spurious Radiation

Test Band = NR Band 78 3700-3800 \_ TM1

Test Channel = Mid Channel \_ Worse ANT

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8497.1667	41.07	-43.70	36.90	-60.99	-13.00	47.99	Horizontal
2	12296.4792	37.50	-39.34	39.02	-58.08	-13.00	45.08	Horizontal
3	16578.7917	35.69	-37.37	38.61	-58.33	-13.00	45.33	Horizontal
4	7482.18	41.02	-46.01	36.76	-63.50	-13.00	50.50	Horizontal
5	11223.27	36.17	-40.07	39.36	-59.80	-13.00	46.80	Horizontal
6	14964.36	33.35	-38.07	40.13	-59.85	-13.00	46.85	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8339.0417	42.03	-44.48	36.67	-61.04	-13.00	48.04	Vertical
2	13405.75	37.56	-39.04	39.53	-57.20	-13.00	44.20	Vertical
3	17320.5417	35.27	-37.13	40.95	-56.17	-13.00	43.17	Vertical
4	7482.18	40.56	-46.01	36.76	-63.96	-13.00	50.96	Vertical
5	11223.27	36.37	-40.07	39.36	-59.60	-13.00	46.60	Vertical
6	14964.36	33.94	-38.07	40.13	-59.26	-13.00	46.26	Vertical



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**Test Band = NSA 2A-N78A 3700-3800\_ TM1**
**Test Channel = Mid Channel \_ Worse ANT**

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	9283.4792	41.76	-42.94	37.86	-58.59	-13.00	45.59	Horizontal
2	13721.5208	37.22	-38.07	40.26	-55.85	-13.00	42.85	Horizontal
3	17230.9375	35.37	-37.15	40.38	-56.66	-13.00	43.66	Horizontal
4	7590.18	39.81	-45.00	36.69	-63.75	-13.00	50.75	Horizontal
5	11835.27	35.93	-39.48	39.23	-59.58	-13.00	46.58	Horizontal
6	15180.36	34.19	-37.74	39.76	-59.05	-13.00	46.05	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8770.2917	41.82	-43.81	37.28	-59.97	-13.00	46.97	Vertical
2	13633.8333	36.71	-38.17	40.06	-56.66	-13.00	43.66	Vertical
3	17235.7292	35.84	-37.15	40.41	-56.16	-13.00	43.16	Vertical
4	7590.18	39.81	-45.00	36.69	-63.75	-13.00	50.75	Vertical
5	11835.27	36.17	-39.48	39.23	-59.34	-13.00	46.34	Vertical
6	15180.36	34.29	-37.74	39.76	-58.95	-13.00	45.95	Vertical



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Test Band = NSA 38A-N78A 3700-3800\_ TM1

Test Channel = Mid Channel \_ Worse ANT

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	9137.3333	40.29	-43.05	37.72	-60.29	-13.00	47.29	Horizontal
2	13410.0625	36.91	-39.03	39.54	-57.84	-13.00	44.84	Horizontal
3	17250.5833	34.80	-37.14	40.50	-57.10	-13.00	44.10	Horizontal
4	7590.18	40.37	-45.00	36.69	-63.19	-13.00	50.19	Horizontal
5	11835.27	35.73	-39.48	39.23	-59.78	-13.00	46.78	Horizontal
6	15180.36	32.75	-37.74	39.76	-60.49	-13.00	47.49	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8221.6458	41.50	-44.29	36.51	-61.54	-13.00	48.54	Vertical
2	13201.1458	37.01	-39.06	39.06	-58.25	-13.00	45.25	Vertical
3	16746.5	35.23	-37.75	38.72	-59.06	-13.00	46.06	Vertical
4	7590.18	39.89	-45.00	36.69	-63.67	-13.00	50.67	Vertical
5	11835.27	35.76	-39.48	39.23	-59.75	-13.00	46.75	Vertical
6	15180.36	33.55	-37.74	39.76	-59.69	-13.00	46.69	Vertical



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Test Band = NSA 41A-N78A 3700-3800\_ TM1

Test Channel = Mid Channel \_ Worse ANT

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8680.2083	40.77	-43.78	37.15	-61.11	-13.00	48.11	Horizontal
2	13078	36.71	-38.54	38.78	-58.31	-13.00	45.31	Horizontal
3	16677.5	35.13	-37.61	38.67	-59.07	-13.00	46.07	Horizontal
4	7590.18	40.58	-45.00	36.69	-62.98	-13.00	49.98	Horizontal
5	11835.27	35.59	-39.48	39.23	-59.92	-13.00	46.92	Horizontal
6	15180.36	33.14	-37.74	39.76	-60.10	-13.00	47.10	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8817.25	41.52	-43.81	37.34	-60.20	-13.00	47.20	Vertical
2	13641.0208	36.78	-38.14	40.07	-56.55	-13.00	43.55	Vertical
3	16579.2708	34.87	-37.36	38.61	-59.15	-13.00	46.15	Vertical
4	7590.18	40.13	-45.00	36.69	-63.43	-13.00	50.43	Vertical
5	11835.27	36.45	-39.48	39.23	-59.06	-13.00	46.06	Vertical
6	15180.36	32.74	-37.74	39.76	-60.50	-13.00	47.50	Vertical



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Test Band = NSA 5A-N78A 3700-3800\_ TM1

Test Channel = Mid Channel \_ Worse ANT

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	9305.0417	41.32	-42.93	37.87	-59.00	-13.00	46.00	Horizontal
2	13730.1458	36.52	-38.12	40.28	-56.58	-13.00	43.58	Horizontal
3	17280.7708	34.52	-37.12	40.70	-57.16	-13.00	44.16	Horizontal
4	7590.18	39.88	-45.00	36.69	-63.68	-13.00	50.68	Horizontal
5	11835.27	35.53	-39.48	39.23	-59.98	-13.00	46.98	Horizontal
6	15180.36	32.97	-37.74	39.76	-60.27	-13.00	47.27	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8825.3958	41.35	-43.78	37.36	-60.34	-13.00	47.34	Vertical
2	13639.1042	36.61	-38.15	40.07	-56.73	-13.00	43.73	Vertical
3	17310.4792	34.17	-37.12	40.89	-57.32	-13.00	44.32	Vertical
4	7590.18	40.20	-45.00	36.69	-63.36	-13.00	50.36	Vertical
5	11835.27	36.84	-39.48	39.23	-58.67	-13.00	45.67	Vertical
6	15180.36	32.78	-37.74	39.76	-60.46	-13.00	47.46	Vertical



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Test Band = NSA 66A-N78A 3700-3800 \_ TM1

Test Channel = Mid Channel \_ Worse ANT

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8560.4167	41.00	-43.95	36.98	-61.23	-13.00	48.23	Horizontal
2	13652.5208	36.81	-38.11	40.10	-56.46	-13.00	43.46	Horizontal
3	17258.7292	34.41	-37.13	40.56	-57.43	-13.00	44.43	Horizontal
4	7590.18	40.45	-45.00	36.69	-63.11	-13.00	50.11	Horizontal
5	11835.27	35.47	-39.48	39.23	-60.04	-13.00	47.04	Horizontal
6	15180.36	33.29	-37.74	39.76	-59.95	-13.00	46.95	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8800.9583	42.28	-43.86	37.32	-59.52	-13.00	46.52	Vertical
2	12845.6042	37.22	-38.88	38.69	-58.23	-13.00	45.23	Vertical
3	17278.375	34.04	-37.12	40.68	-57.66	-13.00	44.66	Vertical
4	7590.18	40.31	-45.00	36.69	-63.25	-13.00	50.25	Vertical
5	11835.27	35.71	-39.48	39.23	-59.80	-13.00	46.80	Vertical
6	15180.36	31.95	-37.74	39.76	-61.29	-13.00	48.29	Vertical



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Test Band = NSA 26A-N78A 3700-3800 \_ TM1

Test Channel = Mid Channel \_ Worse ANT

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8801.4375	41.88	-43.86	37.32	-59.91	-13.00	46.91	Horizontal
2	13711.9375	35.68	-38.02	40.24	-57.36	-13.00	44.36	Horizontal
3	17287.4792	33.79	-37.12	40.74	-57.85	-13.00	44.85	Horizontal
4	7590.18	39.88	-45.00	36.69	-63.68	-13.00	50.68	Horizontal
5	11835.27	34.98	-39.48	39.23	-60.53	-13.00	47.53	Horizontal
6	15180.36	31.49	-37.74	39.76	-61.75	-13.00	48.75	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	9309.8333	41.73	-42.93	37.88	-58.58	-13.00	45.58	Vertical
2	13717.6875	35.53	-38.05	40.25	-57.53	-13.00	44.53	Vertical
3	17253.9375	33.65	-37.14	40.53	-58.22	-13.00	45.22	Vertical
4	7590.18	39.46	-45.00	36.69	-64.10	-13.00	51.10	Vertical
5	11835.27	35.60	-39.48	39.23	-59.91	-13.00	46.91	Vertical
6	15180.36	31.55	-37.74	39.76	-61.69	-13.00	48.69	Vertical

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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## 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
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	-11.400000	-0.003040	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	-1.800000	-0.000480	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	-1.500000	-0.000400	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	VH	NT	-9.000000	-0.002400	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	VN	NT	-10.500000	-0.002800	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	VL	NT	1.800000	0.000480	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	-14.400000	-0.003840	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	-6.000000	-0.001600	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	-1.000000	-0.000267	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	-1.200000	-0.000320	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	-6.400000	-0.001707	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	0.500000	0.000133	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	-1.000000	-0.000267	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	-8.400000	-0.002240	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	-5.200000	-0.001387	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	-30	-3.200000	-0.000853	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	-20	-6.400000	-0.001707	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	-10	2.100000	0.000560	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	0	-2.100000	-0.000560	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	10	-4.400000	-0.001173	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	20	-13.300000	-0.003547	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	30	-5.800000	-0.001547	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	40	-5.700000	-0.001520	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	50	-4.100000	-0.001093	PASS

---End of Attachment---



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