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Appendix B.42

NR Band n30



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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号厂房南面 邮编: 215000

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

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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
N30	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.57	17.87	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.58	17.88	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Outer_Full	23.6	17.9	23.98	PASS
N30	15	5	DFT-QPSK	L	Inner_1RB_Left	23.36	17.66	23.98	PASS
N30	15	5	DFT-QPSK	L	Inner_1RB_Right	23.49	17.79	23.98	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	23.63	17.93	23.98	PASS
N30	15	5	DFT-16QAM	L	Inner_1RB_Left	23.47	17.77	23.98	PASS
N30	15	5	DFT-16QAM	L	Inner_1RB_Right	23.52	17.82	23.98	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	22.74	17.04	23.98	PASS
N30	15	5	DFT-64QAM	L	Inner_1RB_Left	22.34	16.64	23.98	PASS
N30	15	5	DFT-64QAM	L	Inner_1RB_Right	22.39	16.69	23.98	PASS
N30	15	5	DFT-64QAM	L	Outer_Full	22.22	16.52	23.98	PASS
N30	15	5	DFT-256QAM	L	Inner_1RB_Left	19.57	13.87	23.98	PASS
N30	15	5	DFT-256QAM	L	Inner_1RB_Right	19.6	13.9	23.98	PASS
N30	15	5	DFT-256QAM	L	Outer_Full	20.17	14.47	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.62	17.92	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.5	17.8	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Outer_Full	23.67	17.97	23.98	PASS
N30	15	5	DFT-QPSK	M	Inner_1RB_Left	23.61	17.91	23.98	PASS
N30	15	5	DFT-QPSK	M	Inner_1RB_Right	23.62	17.92	23.98	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	23.62	17.92	23.98	PASS
N30	15	5	DFT-16QAM	M	Inner_1RB_Left	23.59	17.89	23.98	PASS
N30	15	5	DFT-16QAM	M	Inner_1RB_Right	23.58	17.88	23.98	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	22.76	17.06	23.98	PASS
N30	15	5	DFT-64QAM	M	Inner_1RB_Left	22.46	16.76	23.98	PASS
N30	15	5	DFT-64QAM	M	Inner_1RB_Right	22.4	16.7	23.98	PASS
N30	15	5	DFT-64QAM	M	Outer_Full	22.23	16.53	23.98	PASS
N30	15	5	DFT-256QAM	M	Inner_1RB_Left	19.71	14.01	23.98	PASS
N30	15	5	DFT-256QAM	M	Inner_1RB_Right	19.64	13.94	23.98	PASS
N30	15	5	DFT-256QAM	M	Outer_Full	20.17	14.47	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.59	17.89	23.98	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

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N30	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.4	17.7	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Outer_Full	23.63	17.93	23.98	PASS
N30	15	5	DFT-QPSK	H	Inner_1RB_Left	23.55	17.85	23.98	PASS
N30	15	5	DFT-QPSK	H	Inner_1RB_Right	23.51	17.81	23.98	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	23.65	17.95	23.98	PASS
N30	15	5	DFT-16QAM	H	Inner_1RB_Left	23.57	17.87	23.98	PASS
N30	15	5	DFT-16QAM	H	Inner_1RB_Right	23.49	17.79	23.98	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	22.73	17.03	23.98	PASS
N30	15	5	DFT-64QAM	H	Inner_1RB_Left	22.41	16.71	23.98	PASS
N30	15	5	DFT-64QAM	H	Inner_1RB_Right	22.31	16.61	23.98	PASS
N30	15	5	DFT-64QAM	H	Outer_Full	22.21	16.51	23.98	PASS
N30	15	5	DFT-256QAM	H	Inner_1RB_Left	19.72	14.02	23.98	PASS
N30	15	5	DFT-256QAM	H	Inner_1RB_Right	19.49	13.79	23.98	PASS
N30	15	5	DFT-256QAM	H	Outer_Full	20.19	14.49	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.63	17.93	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.46	17.76	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Outer_Full	23.68	17.98	23.98	PASS
N30	15	10	DFT-QPSK	L	Inner_1RB_Left	23.55	17.85	23.98	PASS
N30	15	10	DFT-QPSK	L	Inner_1RB_Right	23.56	17.86	23.98	PASS
N30	15	10	DFT-QPSK	L	Outer_Full	23.64	17.94	23.98	PASS
N30	15	10	DFT-16QAM	L	Inner_1RB_Left	23.57	17.87	23.98	PASS
N30	15	10	DFT-16QAM	L	Inner_1RB_Right	23.48	17.78	23.98	PASS
N30	15	10	DFT-16QAM	L	Outer_Full	22.71	17.01	23.98	PASS
N30	15	10	DFT-64QAM	L	Inner_1RB_Left	22.42	16.72	23.98	PASS
N30	15	10	DFT-64QAM	L	Inner_1RB_Right	22.32	16.62	23.98	PASS
N30	15	10	DFT-64QAM	L	Outer_Full	22.27	16.57	23.98	PASS
N30	15	10	DFT-256QAM	L	Inner_1RB_Left	19.56	13.86	23.98	PASS
N30	15	10	DFT-256QAM	L	Inner_1RB_Right	19.53	13.83	23.98	PASS
N30	15	10	DFT-256QAM	L	Outer_Full	20.18	14.48	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.48	17.78	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.48	17.78	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	23.64	17.94	23.98	PASS
N30	15	10	DFT-QPSK	M	Inner_1RB_Left	23.54	17.84	23.98	PASS
N30	15	10	DFT-QPSK	M	Inner_1RB_Right	23.56	17.86	23.98	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	23.69	17.99	23.98	PASS
N30	15	10	DFT-16QAM	M	Inner_1RB_Left	23.59	17.89	23.98	PASS
N30	15	10	DFT-16QAM	M	Inner_1RB_Right	23.55	17.85	23.98	PASS



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N30	15	10	DFT-16QAM	M	Outer_Full	22.67	16.97	23.98	PASS
N30	15	10	DFT-64QAM	M	Inner_1RB_Left	22.41	16.71	23.98	PASS
N30	15	10	DFT-64QAM	M	Inner_1RB_Right	22.33	16.63	23.98	PASS
N30	15	10	DFT-64QAM	M	Outer_Full	22.26	16.56	23.98	PASS
N30	15	10	DFT-256QAM	M	Inner_1RB_Left	19.65	13.95	23.98	PASS
N30	15	10	DFT-256QAM	M	Inner_1RB_Right	19.51	13.81	23.98	PASS
N30	15	10	DFT-256QAM	M	Outer_Full	20.19	14.49	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.49	17.79	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.47	17.77	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Outer_Full	23.68	17.98	23.98	PASS
N30	15	10	DFT-QPSK	H	Inner_1RB_Left	23.54	17.84	23.98	PASS
N30	15	10	DFT-QPSK	H	Inner_1RB_Right	23.59	17.89	23.98	PASS
N30	15	10	DFT-QPSK	H	Outer_Full	23.66	17.96	23.98	PASS
N30	15	10	DFT-16QAM	H	Inner_1RB_Left	23.58	17.88	23.98	PASS
N30	15	10	DFT-16QAM	H	Inner_1RB_Right	23.55	17.85	23.98	PASS
N30	15	10	DFT-16QAM	H	Outer_Full	22.69	16.99	23.98	PASS
N30	15	10	DFT-64QAM	H	Inner_1RB_Left	22.46	16.76	23.98	PASS
N30	15	10	DFT-64QAM	H	Inner_1RB_Right	22.24	16.54	23.98	PASS
N30	15	10	DFT-64QAM	H	Outer_Full	22.26	16.56	23.98	PASS
N30	15	10	DFT-256QAM	H	Inner_1RB_Left	19.59	13.89	23.98	PASS
N30	15	10	DFT-256QAM	H	Inner_1RB_Right	19.51	13.81	23.98	PASS



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Power Spectral Density

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (dBm/ 5MHz)	EIRP (dBm/5 MHz)	Limit (dBm/5 MHz)	Verdict
N30	30	10	DFT-PI2BPSK	L	Outer_Full	22.85	17.15	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Outer_Full	22.40	16.7	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Inner_Full	22.99	17.29	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Edge_1RB_Left	23.22	17.52	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Edge_1RB_Right	23.20	17.5	23.98	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	22.36	16.66	23.98	PASS
N30	15	5	DFT-QPSK	L	Inner_Full	23.20	17.5	23.98	PASS
N30	15	5	DFT-QPSK	L	Edge_1RB_Left	23.30	17.6	23.98	PASS
N30	15	5	DFT-QPSK	L	Edge_1RB_Right	23.41	17.71	23.98	PASS
N30	15	5	CP-QPSK	L	Outer_Full	20.90	15.2	23.98	PASS
N30	15	5	CP-QPSK	L	Inner_Full	22.63	16.93	23.98	PASS
N30	15	5	CP-QPSK	L	Edge_1RB_Left	21.64	15.94	23.98	PASS
N30	15	5	CP-QPSK	L	Edge_1RB_Right	22.91	17.21	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Outer_Full	22.41	16.71	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Inner_Full	22.96	17.26	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Edge_1RB_Left	23.30	17.6	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Edge_1RB_Right	23.09	17.39	23.98	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	22.28	16.58	23.98	PASS
N30	15	5	DFT-QPSK	M	Inner_Full	22.91	17.21	23.98	PASS
N30	15	5	DFT-QPSK	M	Edge_1RB_Left	23.27	17.57	23.98	PASS
N30	15	5	DFT-QPSK	M	Edge_1RB_Right	23.22	17.52	23.98	PASS
N30	15	5	CP-QPSK	M	Outer_Full	20.82	15.12	23.98	PASS
N30	15	5	CP-QPSK	M	Inner_Full	22.84	17.14	23.98	PASS
N30	15	5	CP-QPSK	M	Edge_1RB_Left	21.99	16.29	23.98	PASS
N30	15	5	CP-QPSK	M	Edge_1RB_Right	21.69	15.99	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Outer_Full	22.52	16.82	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Inner_Full	23.07	17.37	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Edge_1RB_Left	23.11	17.41	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Edge_1RB_Right	23.17	17.47	23.98	PASS



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N30	15	5	DFT-QPSK	H	Outer_Full	22.34	16.64	23.98	PASS
N30	15	5	DFT-QPSK	H	Inner_Full	22.95	17.25	23.98	PASS
N30	15	5	DFT-QPSK	H	Edge_1RB_Left	23.26	17.56	23.98	PASS
N30	15	5	DFT-QPSK	H	Edge_1RB_Right	23.30	17.6	23.98	PASS
N30	15	5	CP-QPSK	H	Outer_Full	20.82	15.12	23.98	PASS
N30	15	5	CP-QPSK	H	Inner_Full	22.74	17.04	23.98	PASS
N30	15	5	CP-QPSK	H	Edge_1RB_Left	21.78	16.08	23.98	PASS
N30	15	5	CP-QPSK	H	Edge_1RB_Right	21.70	16	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Outer_Full	20.86	15.16	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Inner_Full	22.47	16.77	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Edge_1RB_Left	23.26	17.56	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Edge_1RB_Right	23.32	17.62	23.98	PASS
N30	15	10	DFT-QPSK	L	Outer_Full	20.84	15.14	23.98	PASS
N30	15	10	DFT-QPSK	L	Inner_Full	22.27	16.57	23.98	PASS
N30	15	10	DFT-QPSK	L	Edge_1RB_Left	23.45	17.75	23.98	PASS
N30	15	10	DFT-QPSK	L	Edge_1RB_Right	23.06	17.36	23.98	PASS
N30	15	10	DFT-16QAM	L	Outer_Full	19.90	14.2	23.98	PASS
N30	15	10	CP-QPSK	L	Outer_Full	18.63	12.93	23.98	PASS
N30	15	10	CP-QPSK	L	Inner_Full	21.85	16.15	23.98	PASS
N30	15	10	CP-QPSK	L	Edge_1RB_Left	21.67	15.97	23.98	PASS
N30	15	10	CP-QPSK	L	Edge_1RB_Right	21.51	15.81	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	20.64	14.94	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Inner_Full	22.19	16.49	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Edge_1RB_Left	23.14	17.44	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Edge_1RB_Right	23.20	17.5	23.98	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	20.61	14.91	23.98	PASS
N30	15	10	DFT-QPSK	M	Inner_Full	22.71	17.01	23.98	PASS
N30	15	10	DFT-QPSK	M	Edge_1RB_Left	23.60	17.9	23.98	PASS
N30	15	10	DFT-QPSK	M	Edge_1RB_Right	23.42	17.72	23.98	PASS
N30	15	10	CP-QPSK	M	Outer_Full	19.07	13.37	23.98	PASS
N30	15	10	CP-QPSK	M	Inner_Full	22.29	16.59	23.98	PASS
N30	15	10	CP-QPSK	M	Edge_1RB_Left	21.66	15.96	23.98	PASS
N30	15	10	CP-QPSK	M	Edge_1RB_Right	21.57	15.87	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Outer_Full	20.73	15.03	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Inner_Full	22.61	16.91	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Edge_1RB_Left	23.28	17.58	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Edge_1RB_Right	23.04	17.34	23.98	PASS



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N30	15	10	DFT-QPSK	H	Outer_Full	20.84	15.14	23.98	PASS
N30	15	10	DFT-QPSK	H	Inner_Full	22.37	16.67	23.98	PASS
N30	15	10	DFT-QPSK	H	Edge_1RB_Left	23.59	17.89	23.98	PASS
N30	15	10	DFT-QPSK	H	Edge_1RB_Right	23.11	17.41	23.98	PASS
N30	15	10	CP-QPSK	H	Outer_Full	19.01	13.31	23.98	PASS
N30	15	10	CP-QPSK	H	Inner_Full	22.08	16.38	23.98	PASS
N30	15	10	CP-QPSK	H	Edge_1RB_Left	21.85	16.15	23.98	PASS
N30	15	10	CP-QPSK	H	Edge_1RB_Right	21.69	15.99	23.98	PASS



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Test Graphs



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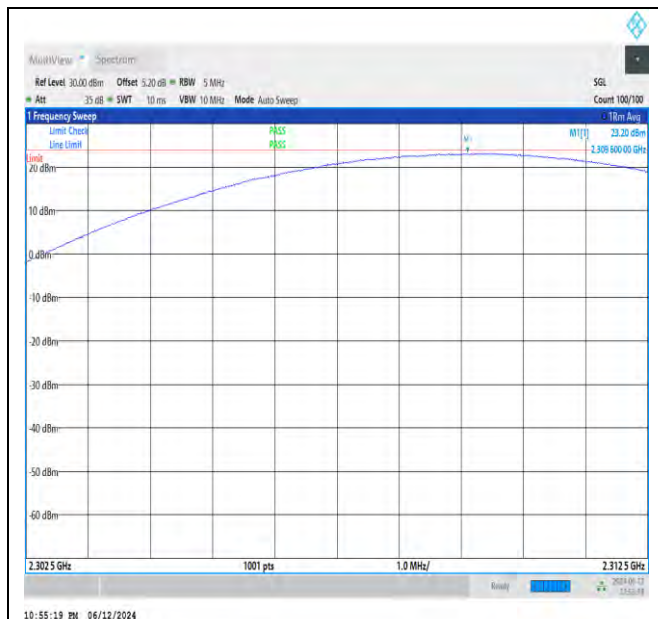
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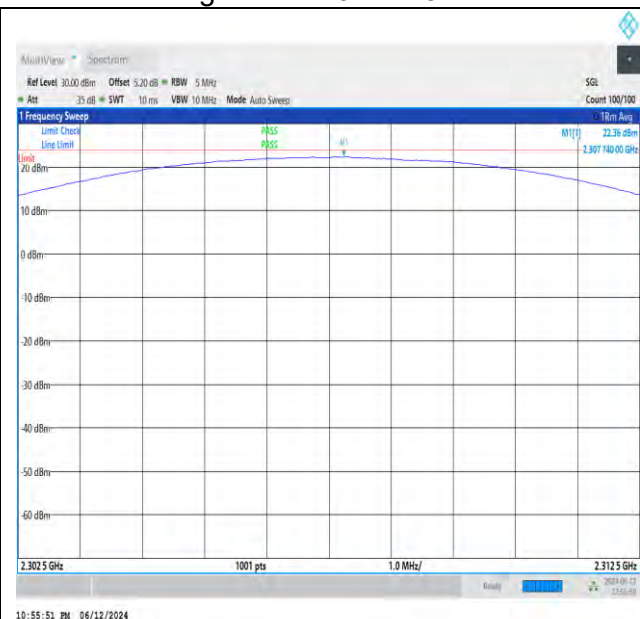
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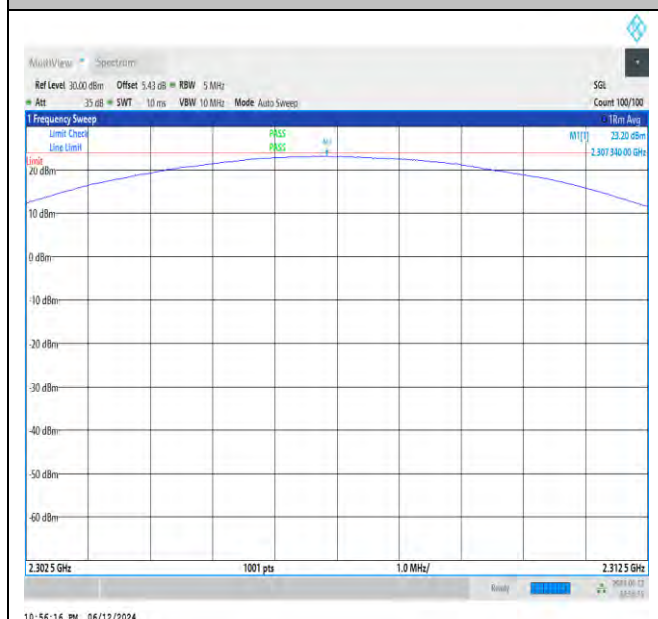
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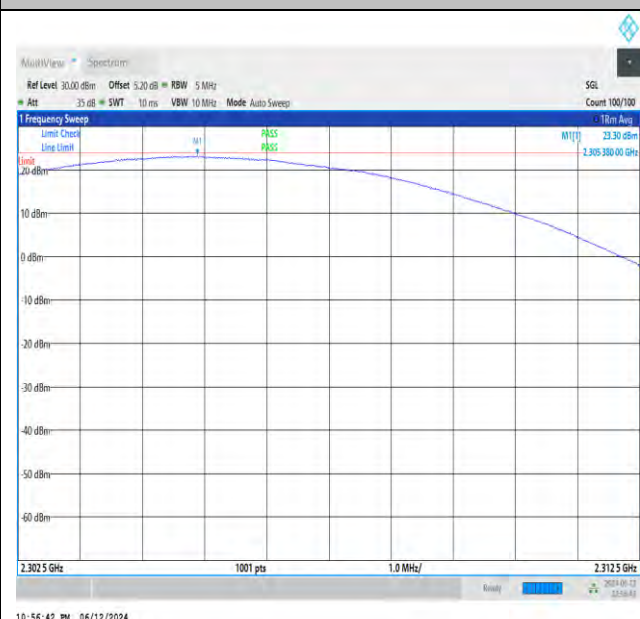
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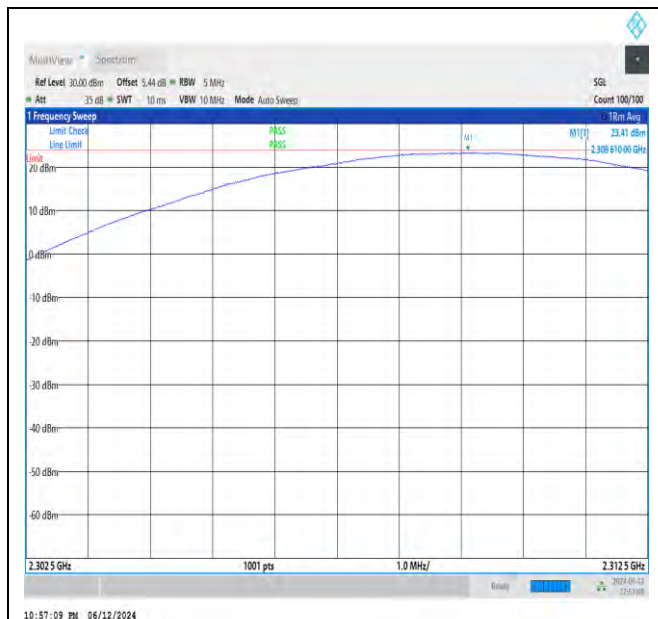
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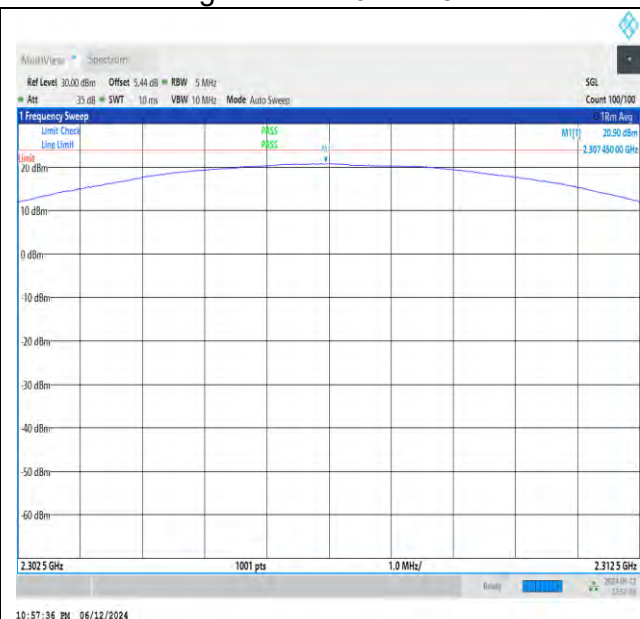
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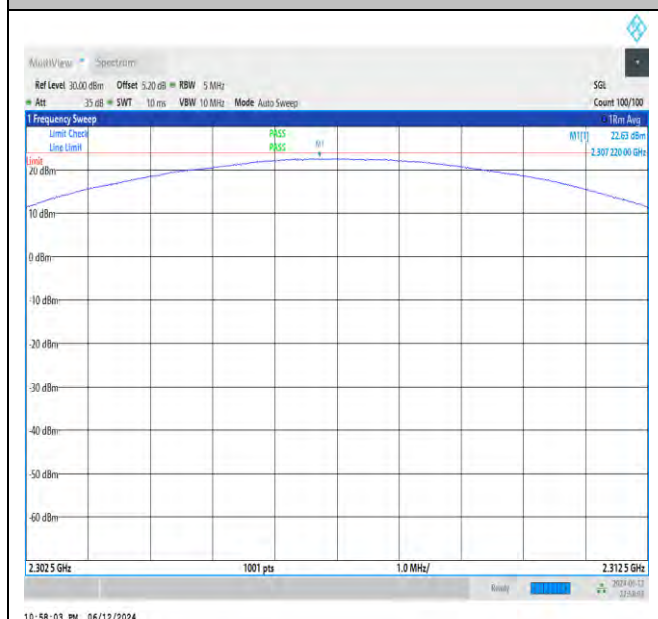
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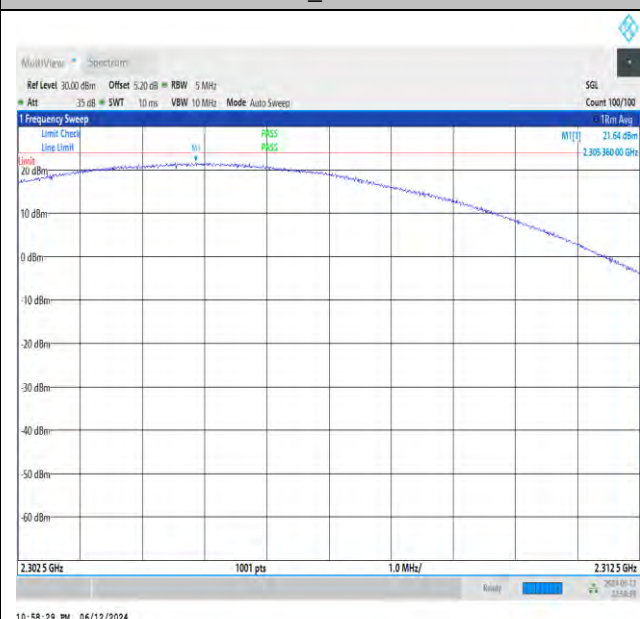
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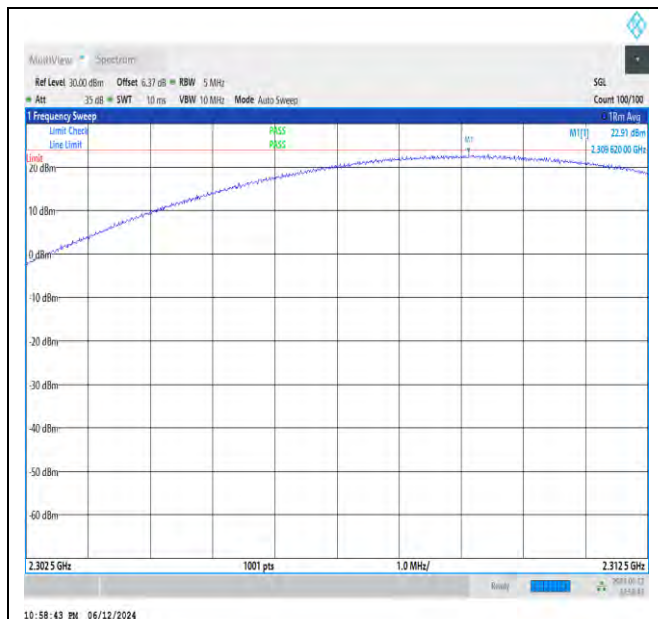
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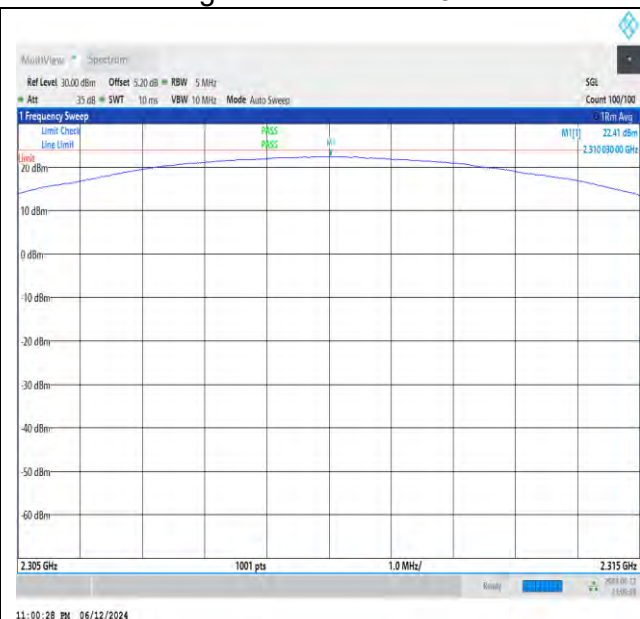
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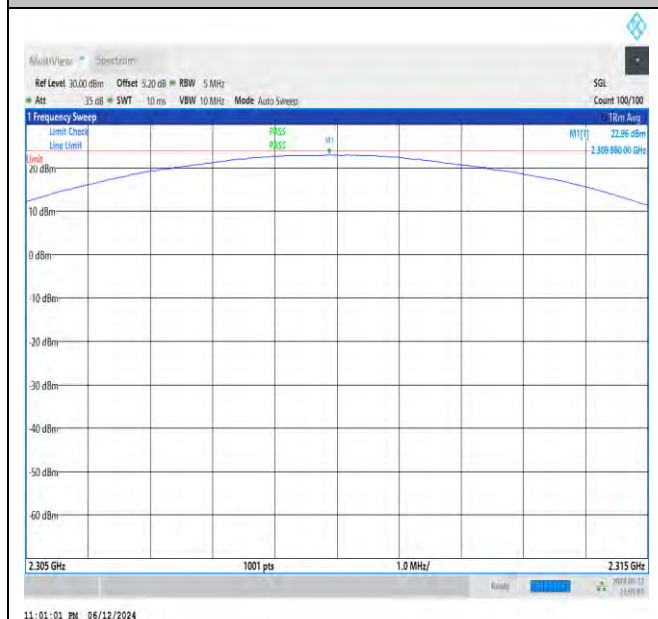
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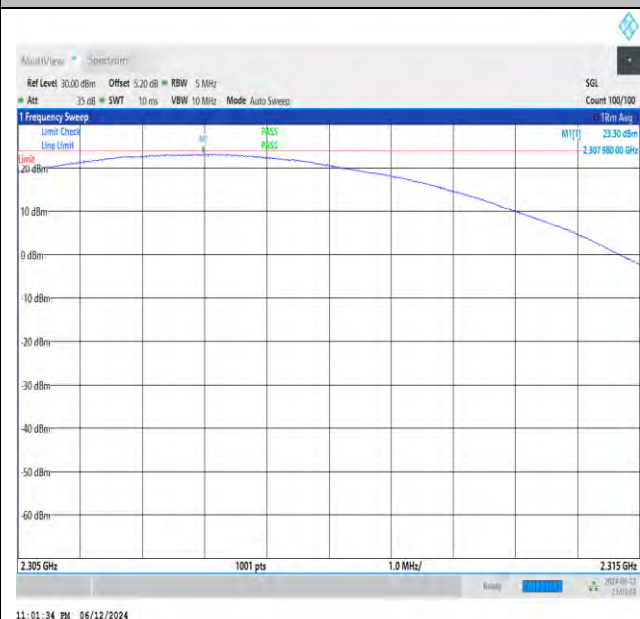
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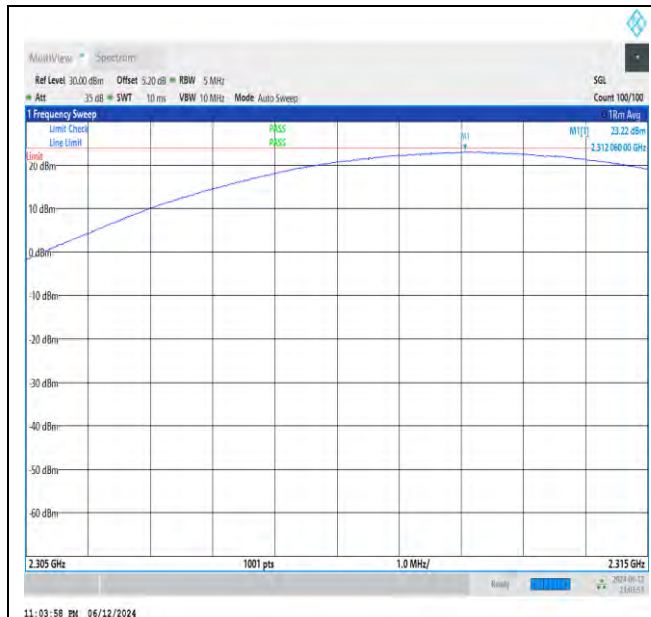
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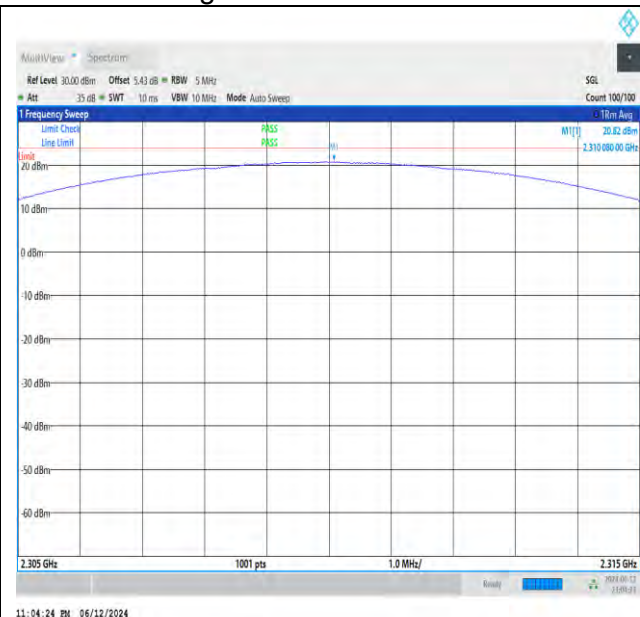
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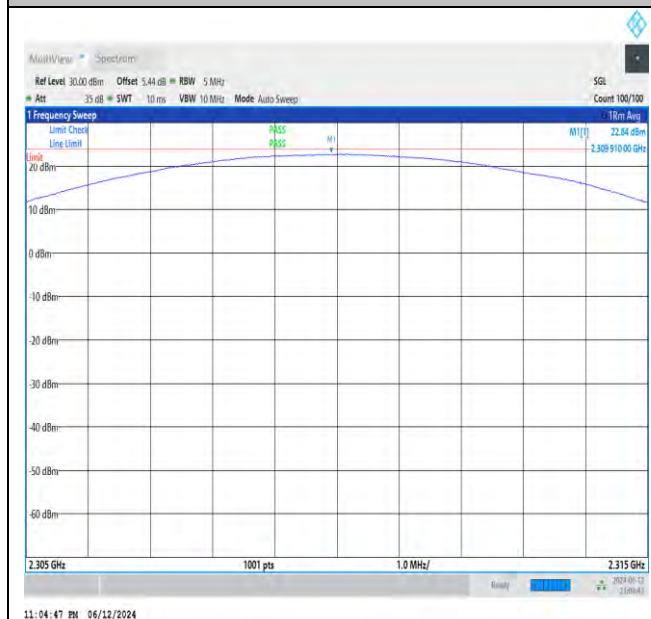
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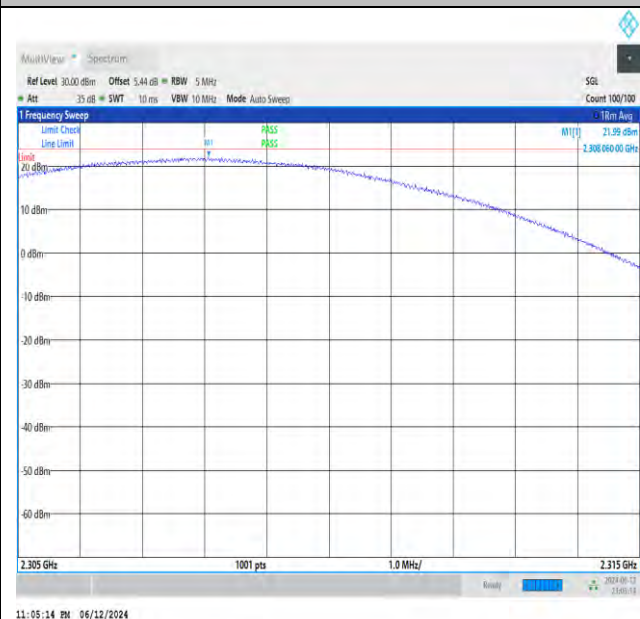
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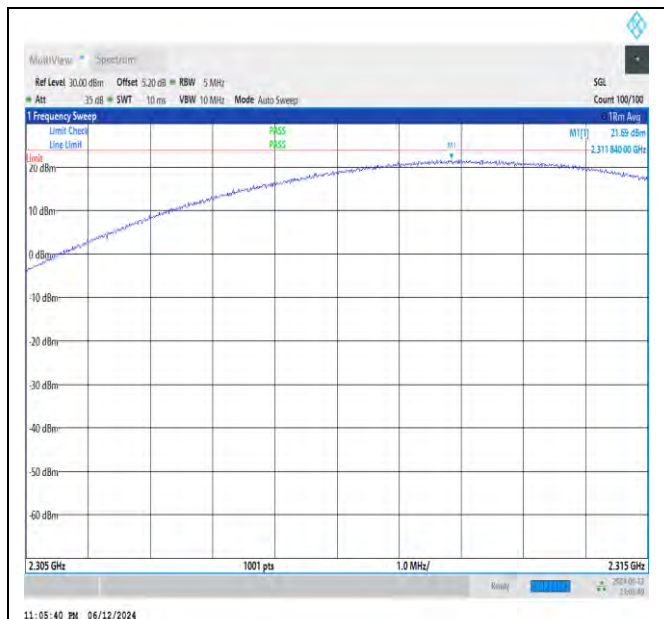
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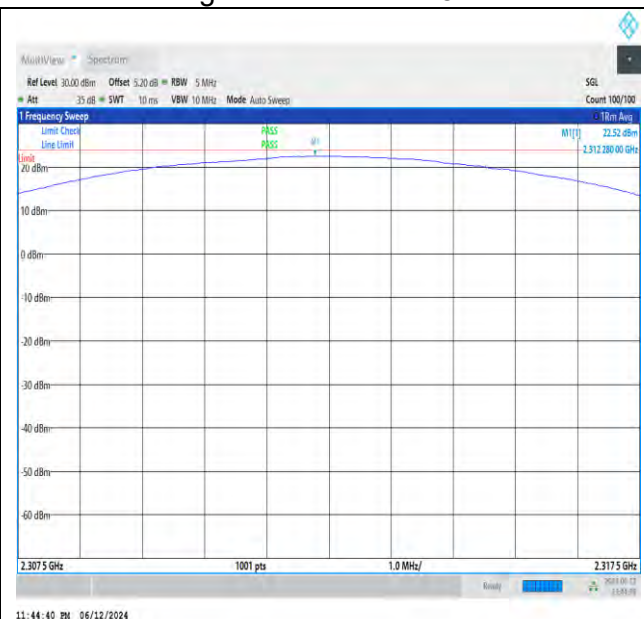
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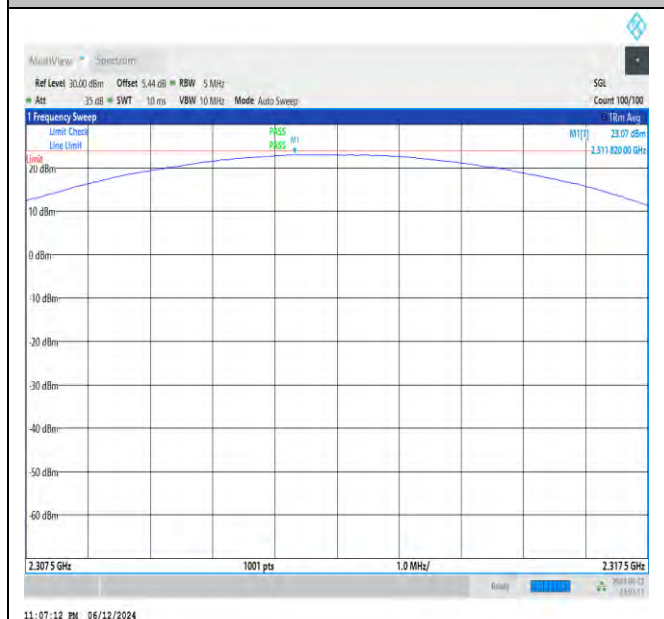
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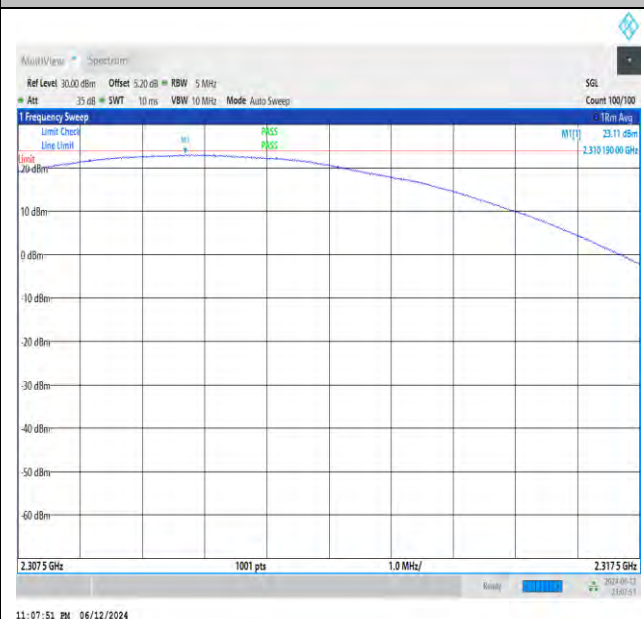
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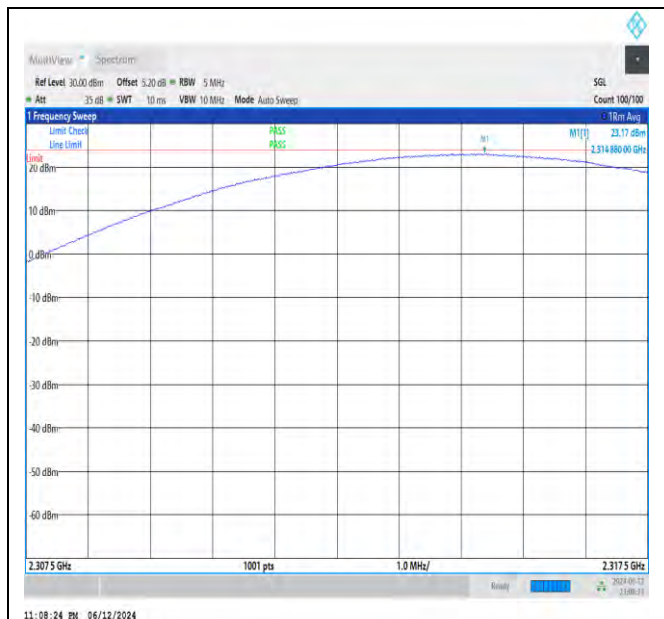
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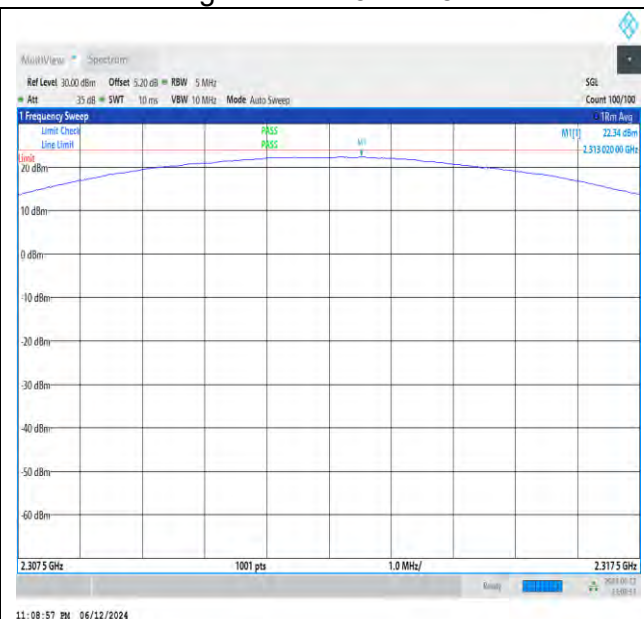
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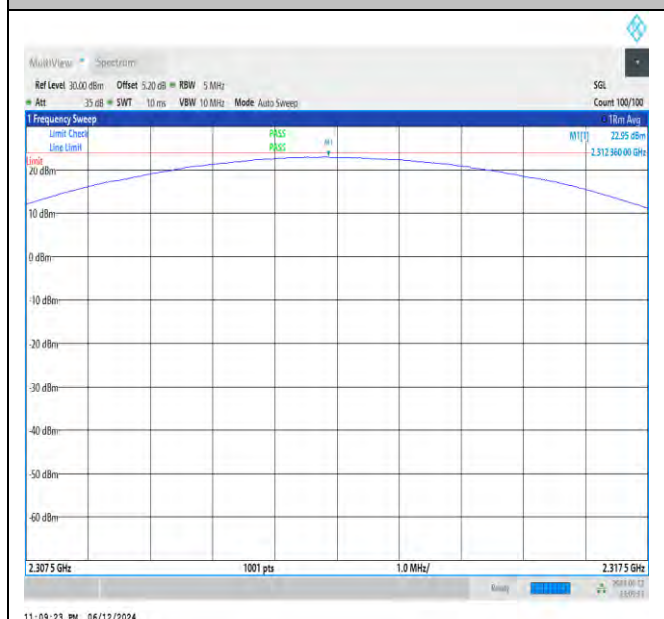
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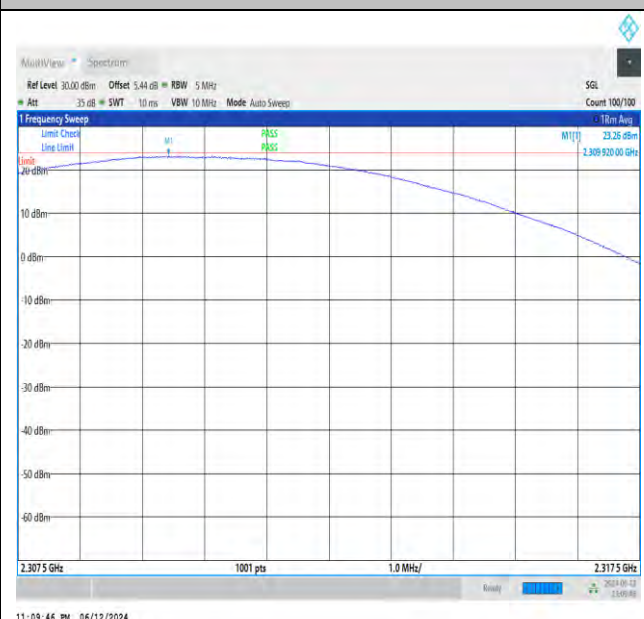
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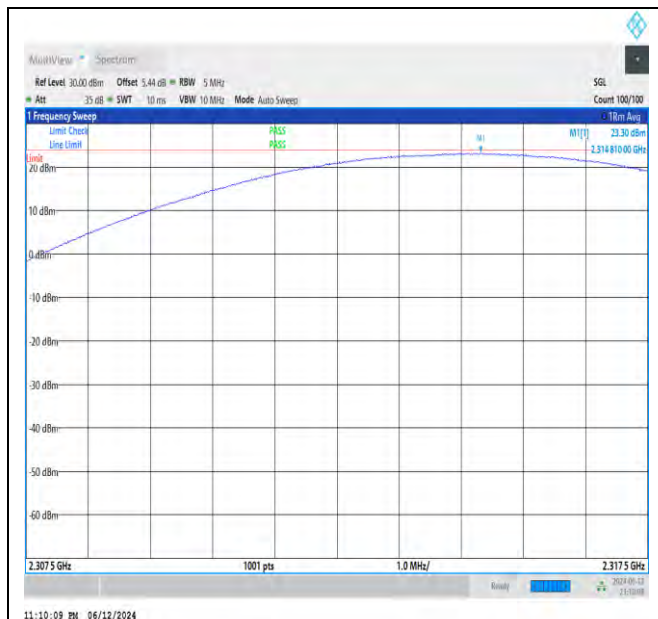
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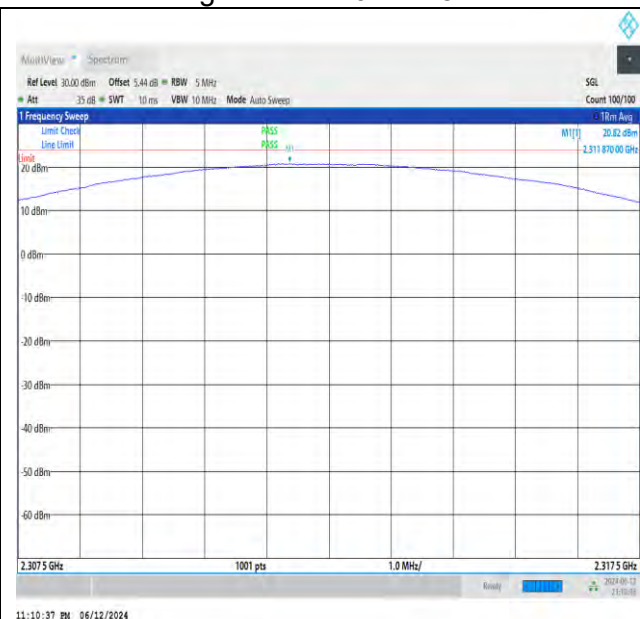
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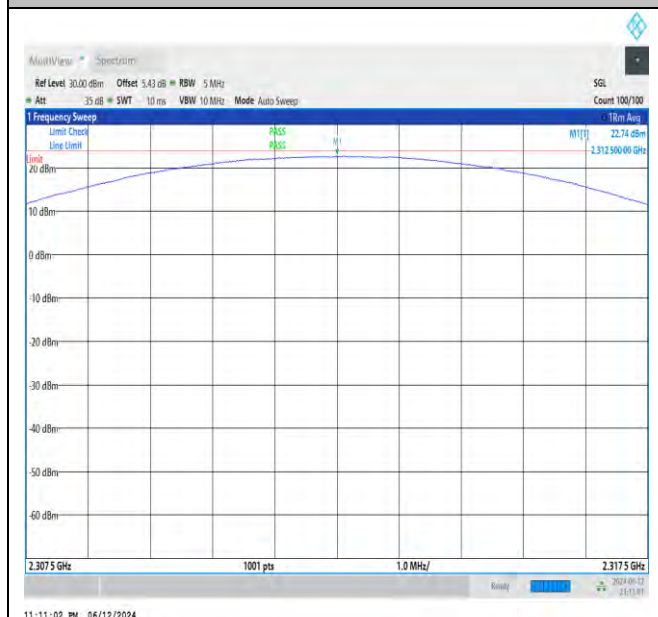
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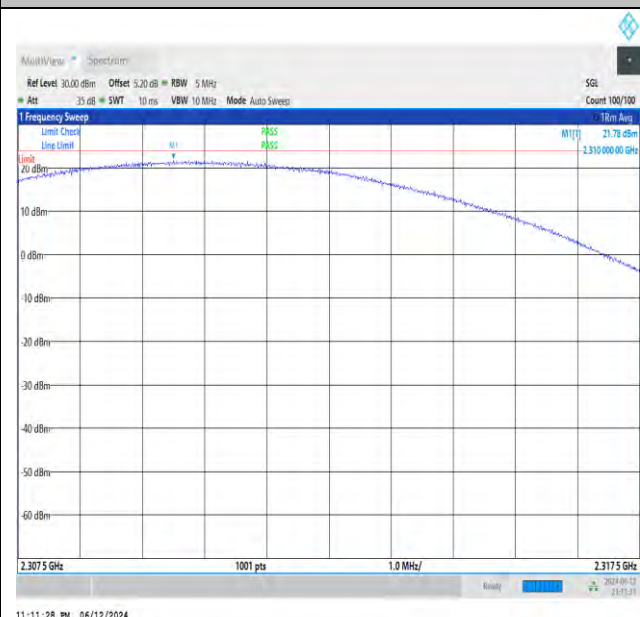
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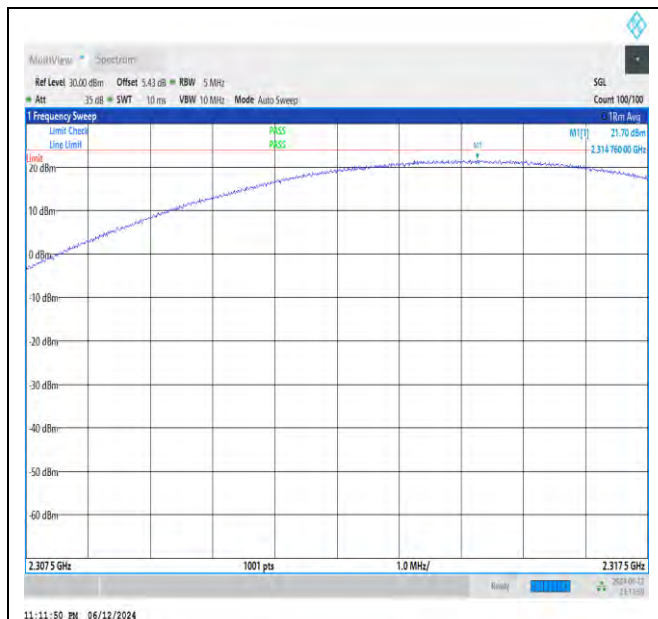
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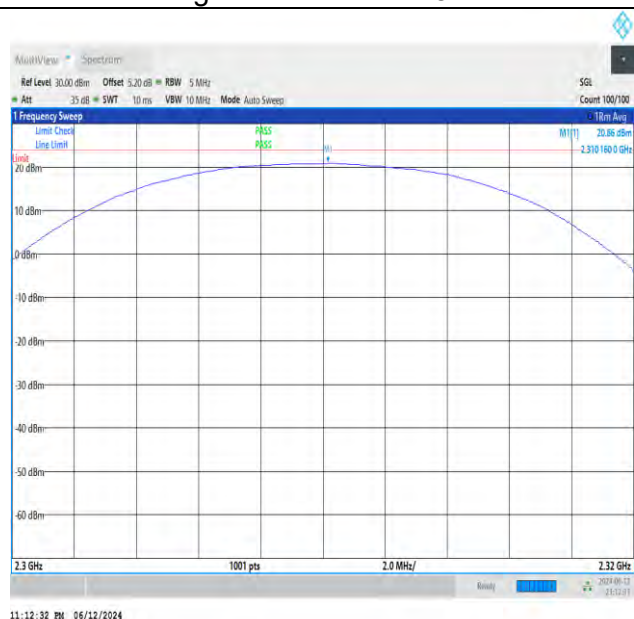
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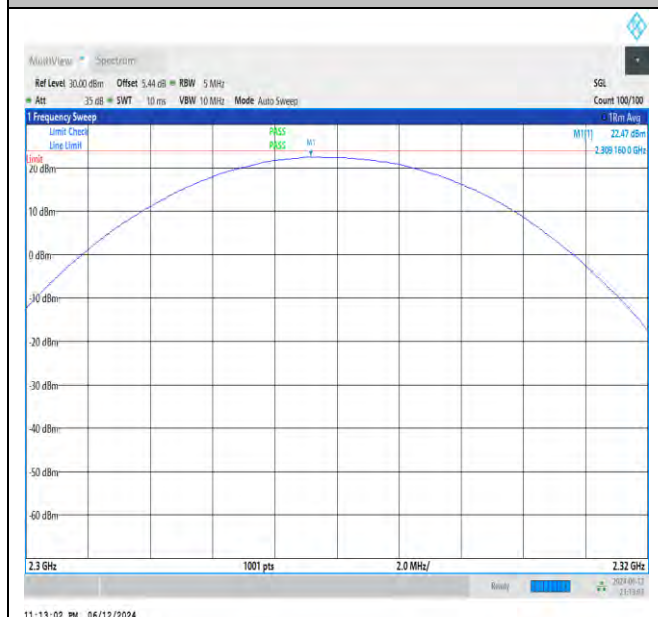
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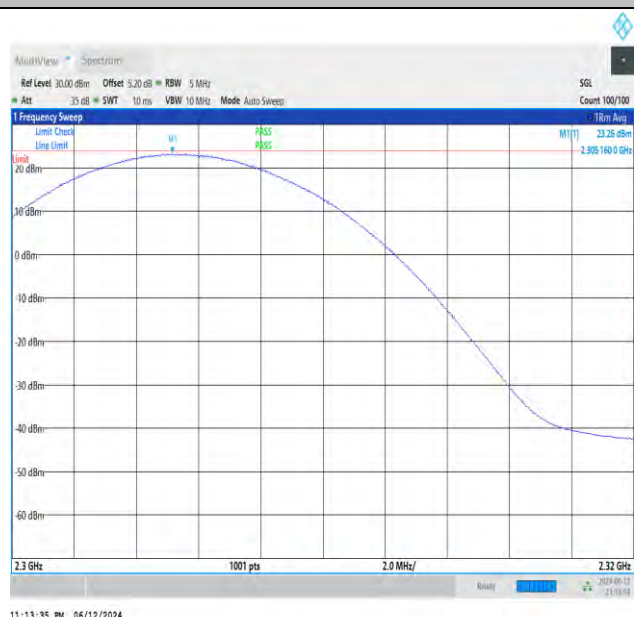
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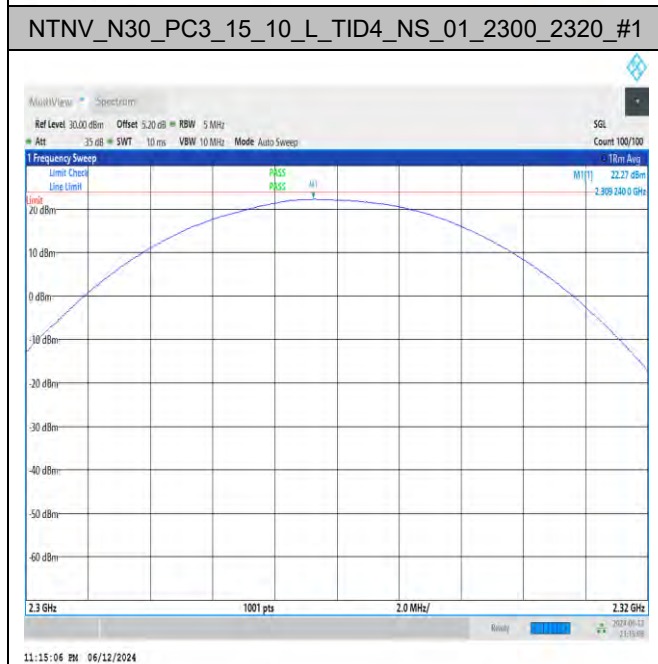
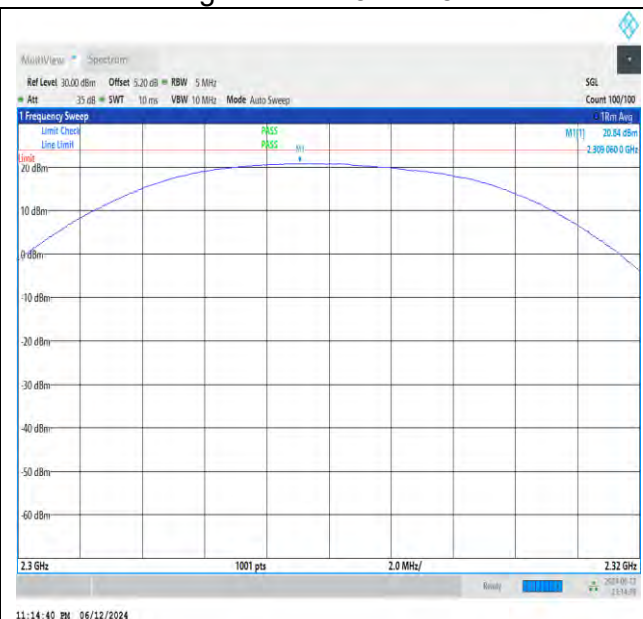
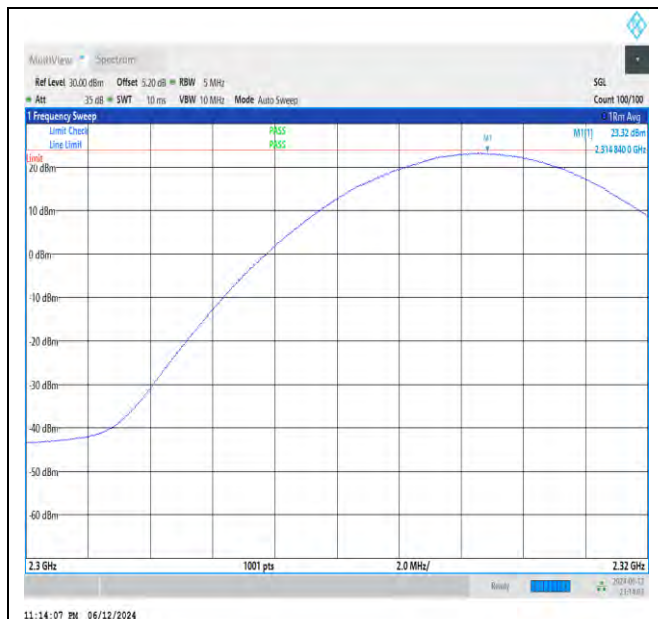
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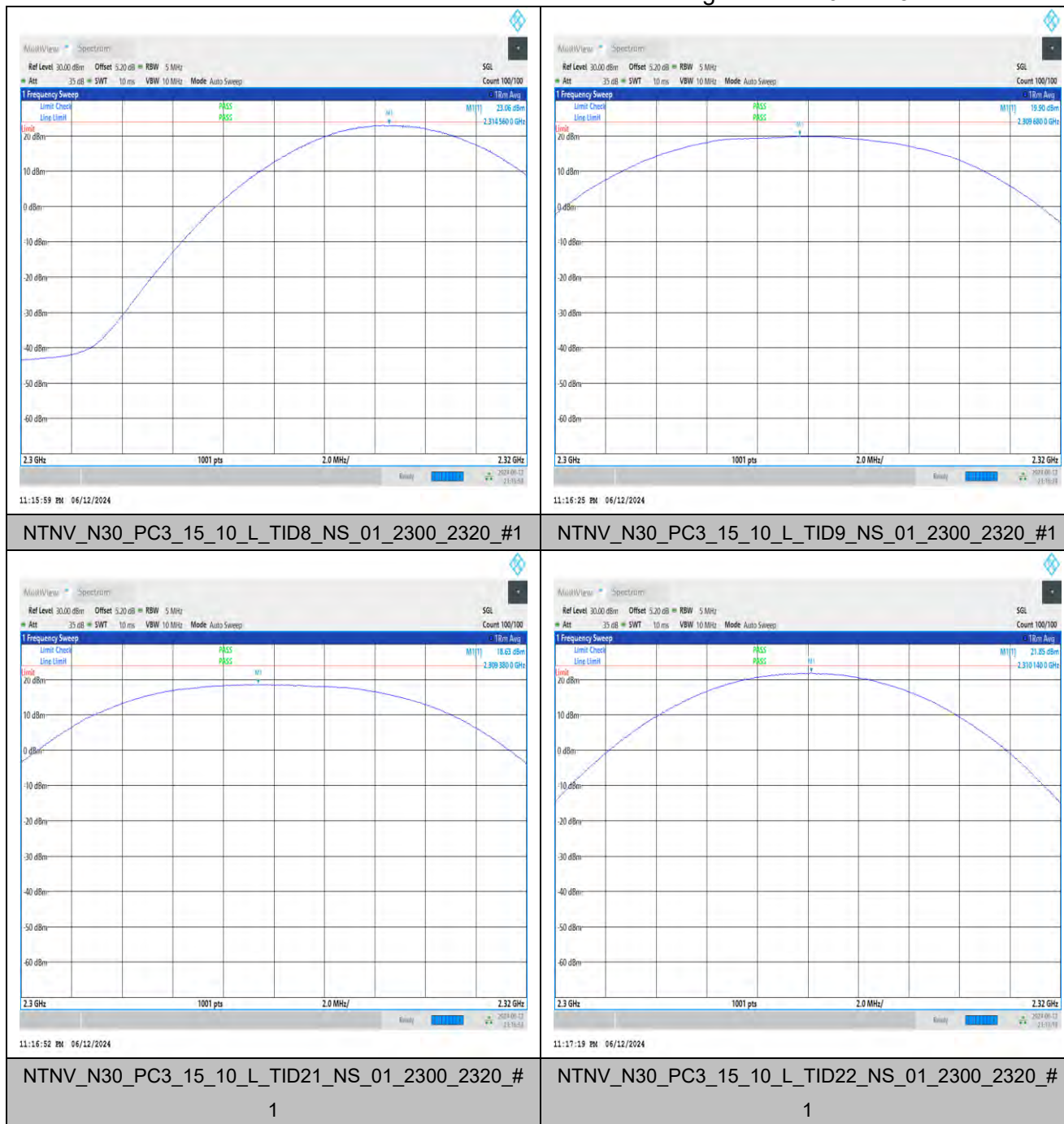
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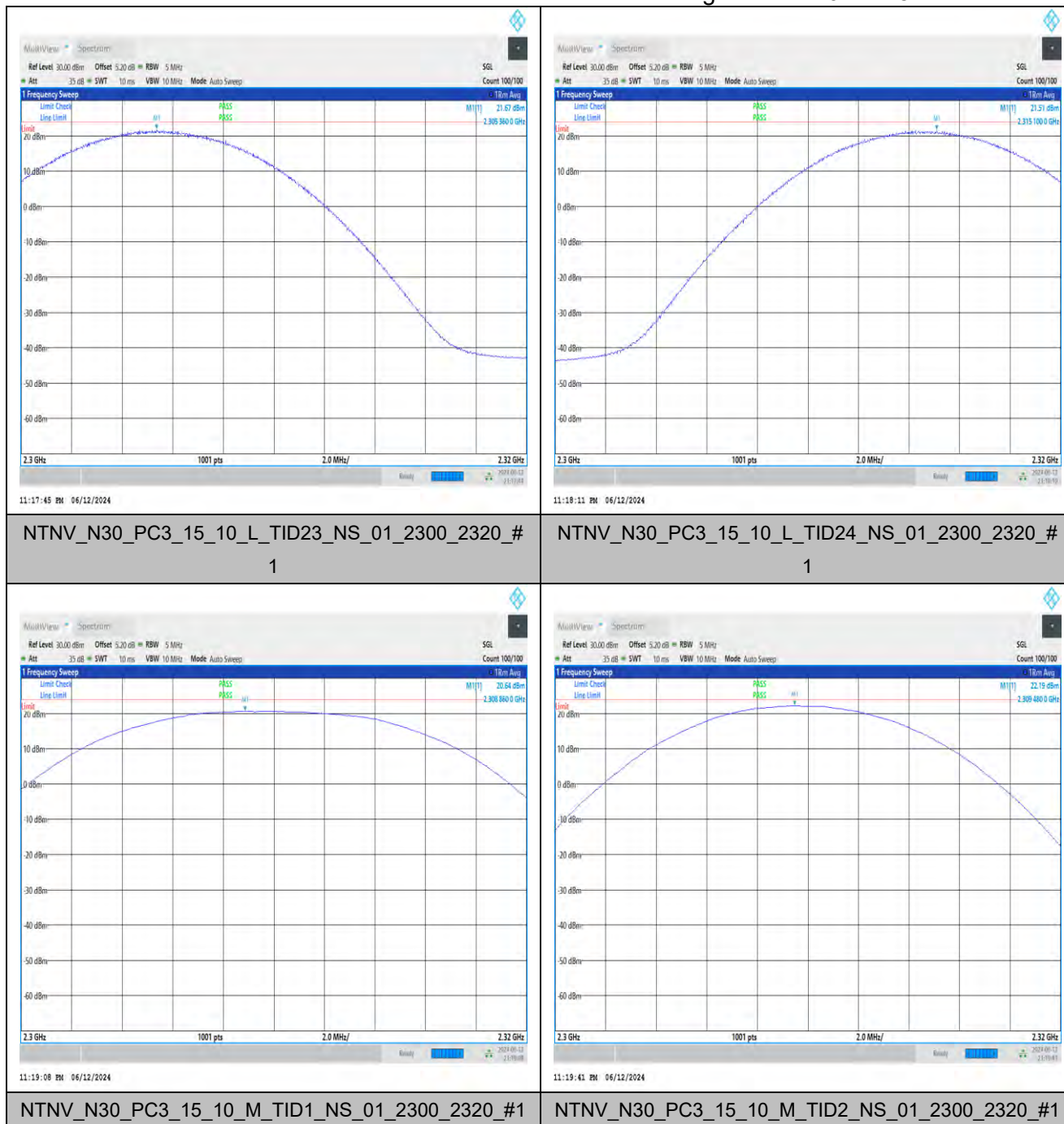
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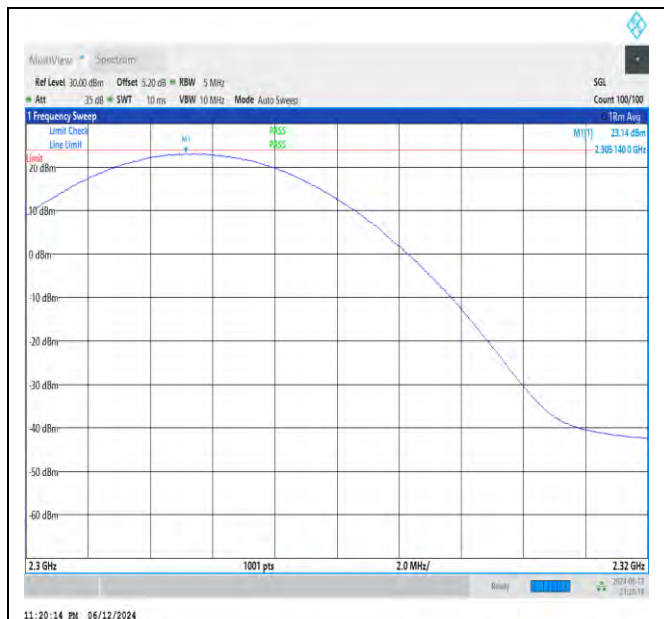
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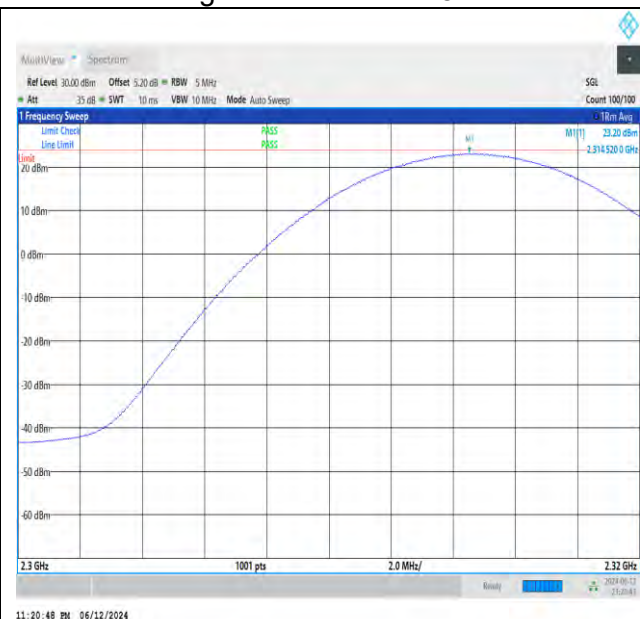
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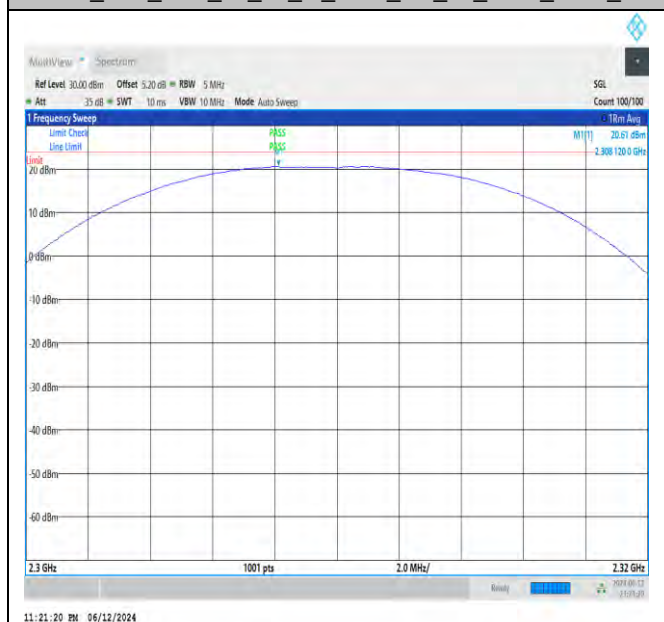
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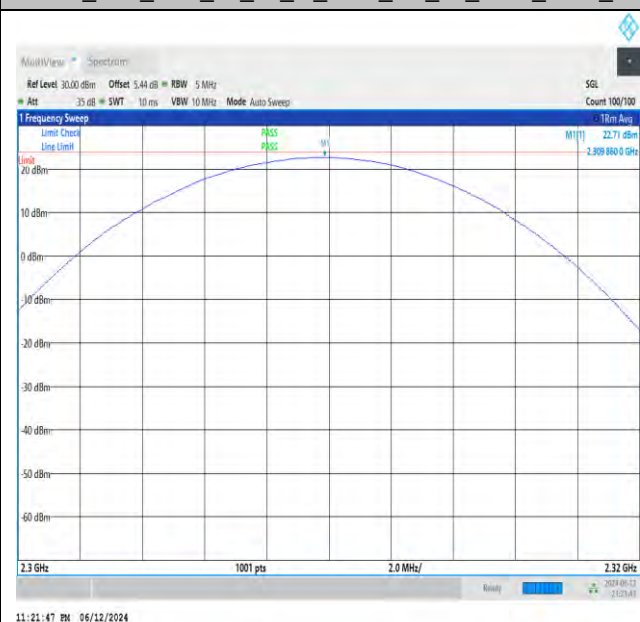
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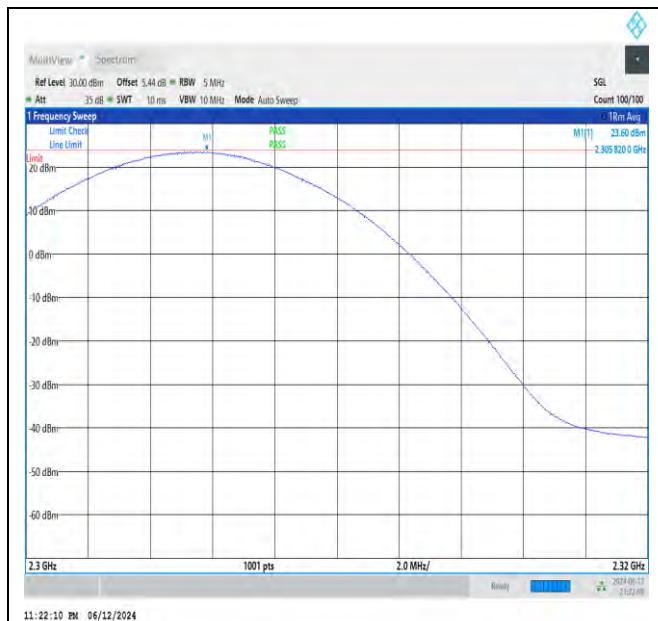
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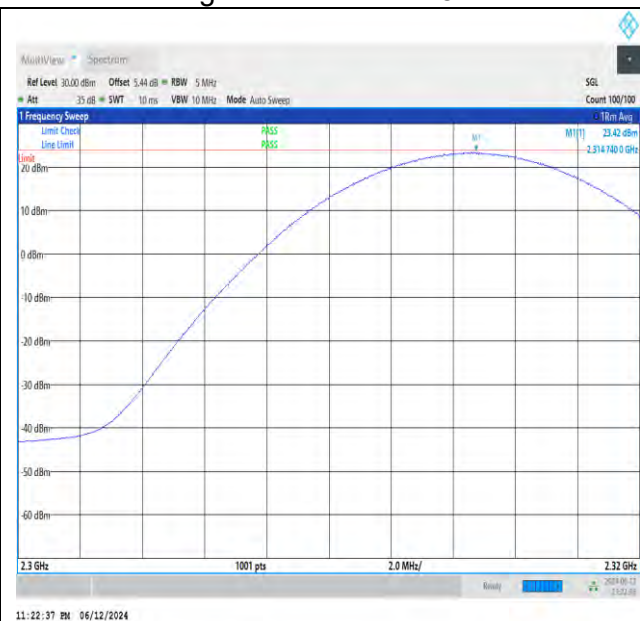
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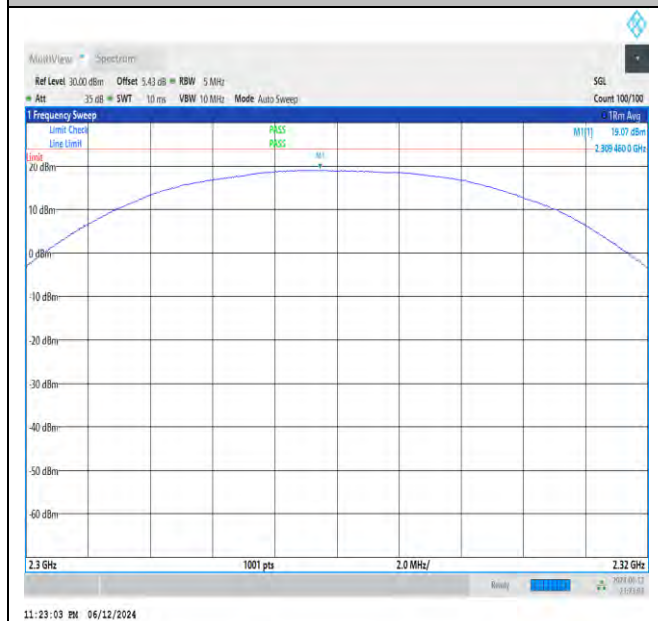
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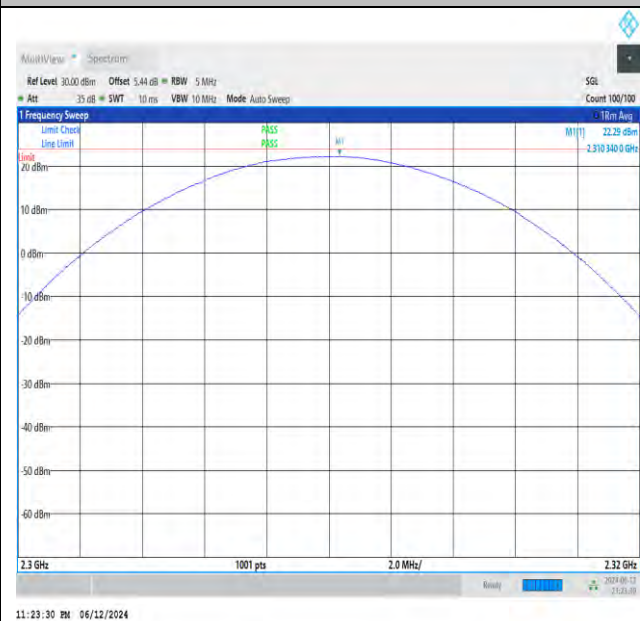


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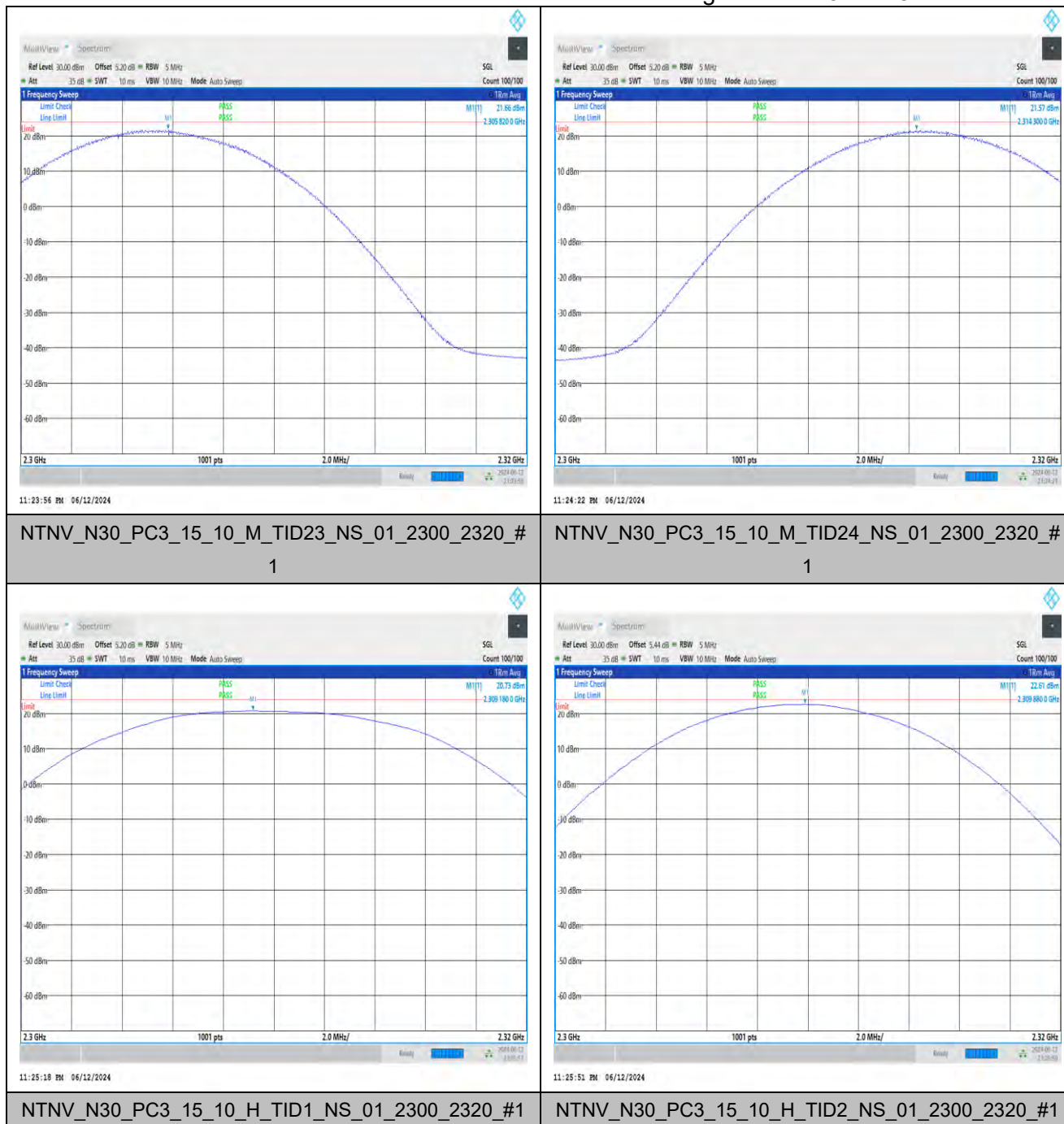
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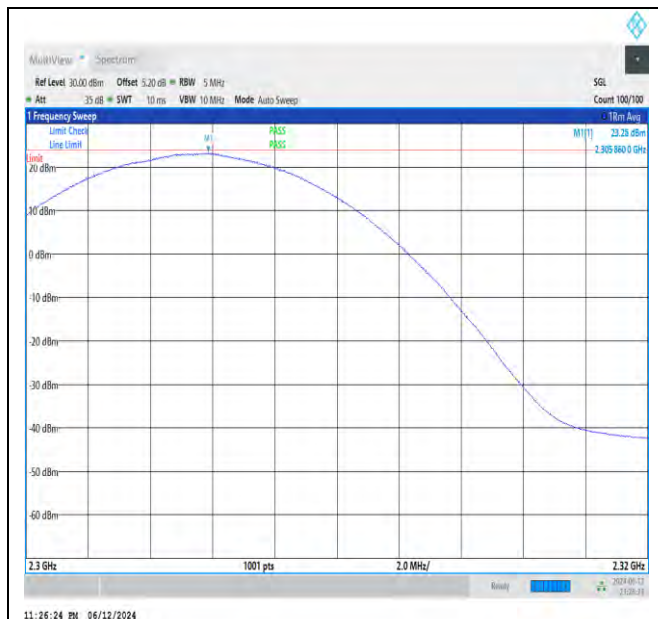
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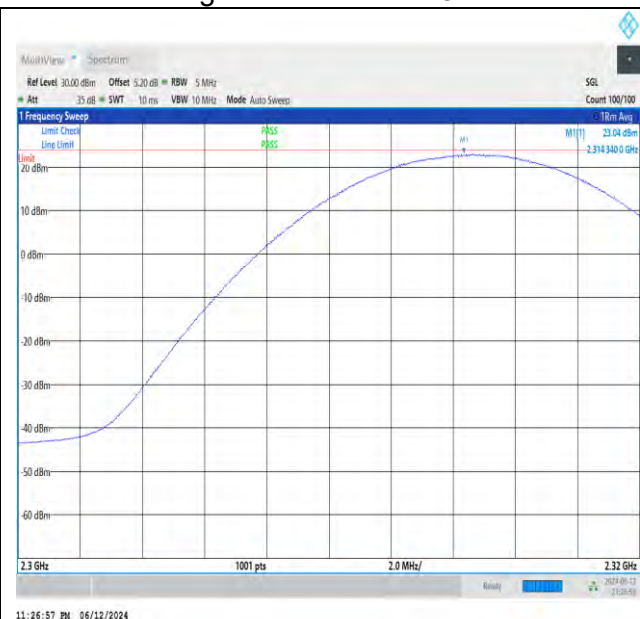
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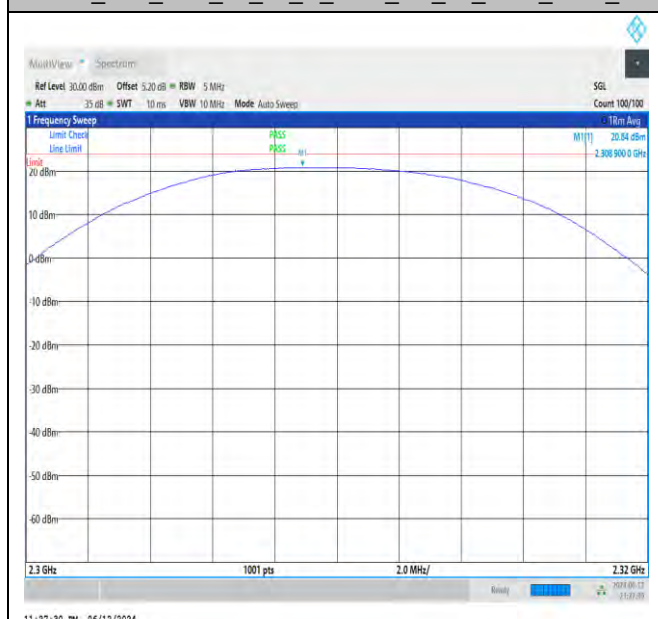
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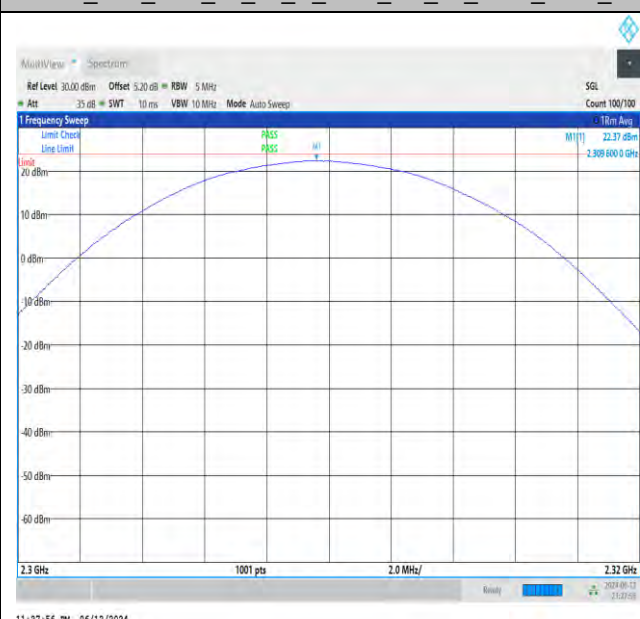
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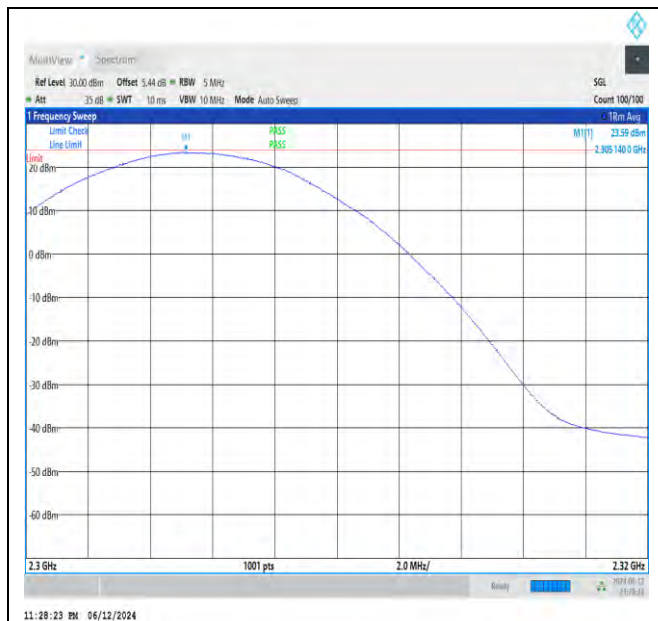
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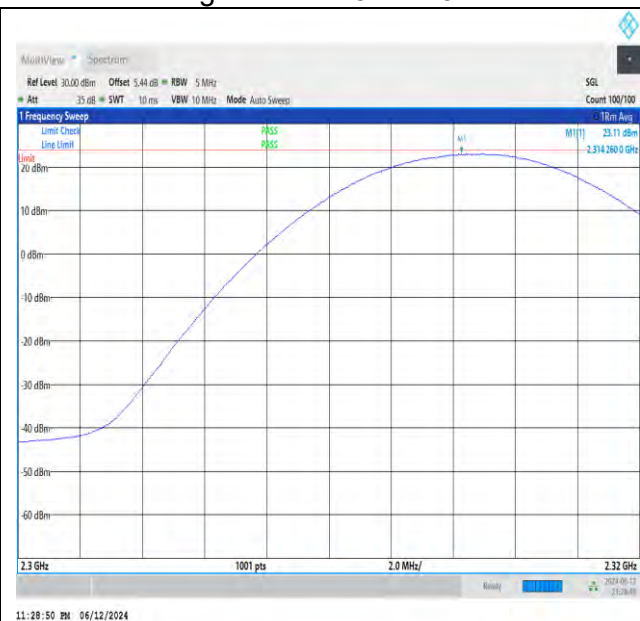
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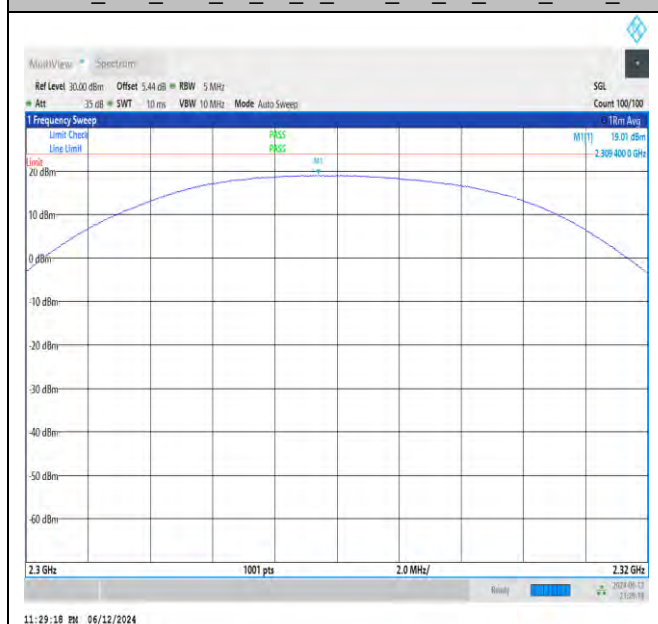
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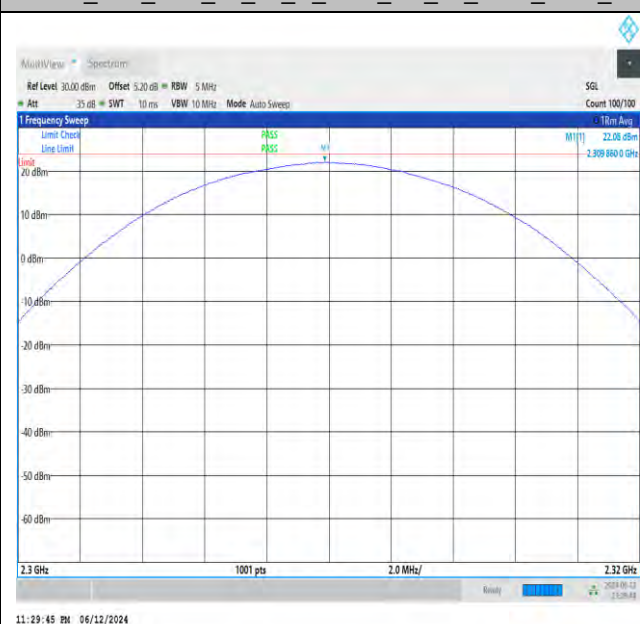
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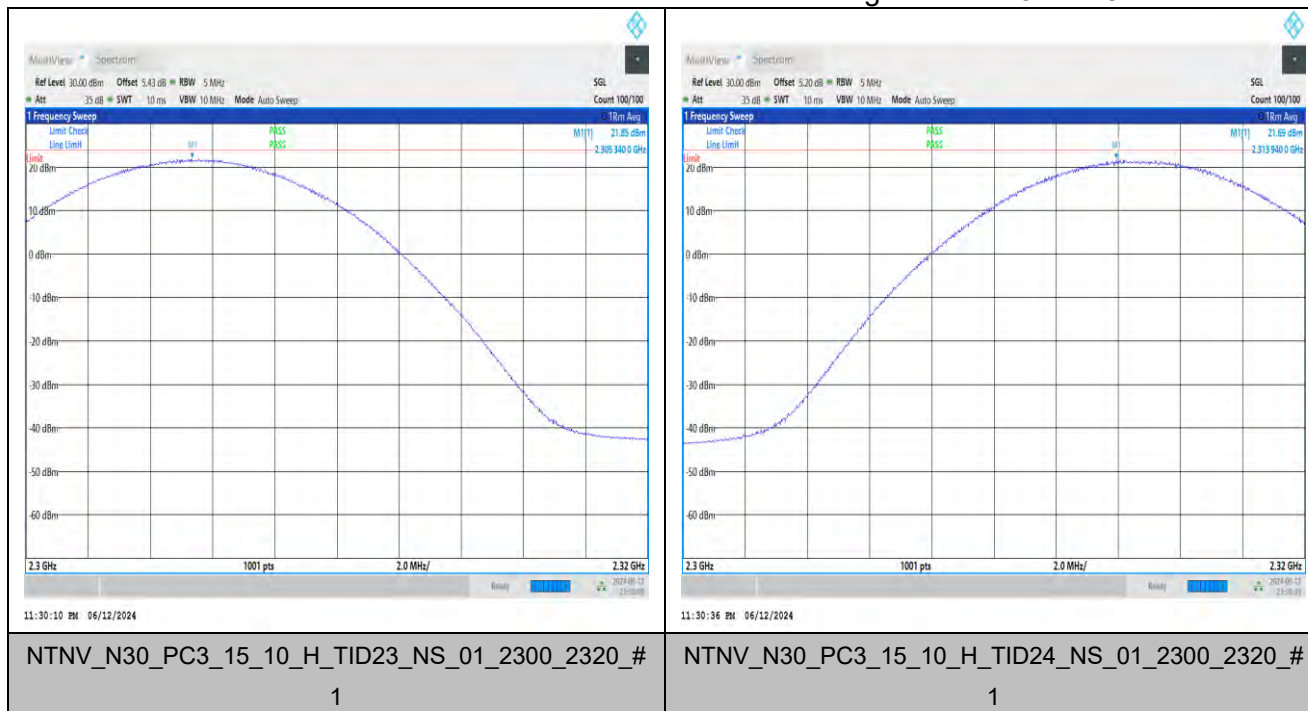
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Peak-to-Average Ratio for SA**Peak-to-Average Ratio(CCDF)****Test Result**

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N30	15	10	DFT-256QAM	L	Outer_Full	6.33	13	PASS
N30	15	10	CP-256QAM	L	Outer_Full	8.66	13	PASS
N30	15	10	DFT-256QAM	M	Outer_Full	8.41	13	PASS
N30	15	10	CP-256QAM	M	Outer_Full	8.45	13	PASS
N30	15	10	DFT-256QAM	H	Outer_Full	8.31	13	PASS
N30	15	10	CP-256QAM	H	Outer_Full	8.66	13	PASS



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Test Graphs



1-N30-PC3-15-10-L-1-DFT-256QAM-Outer_Full-50@
0-16.95-16.95-19~27.5-PASS



1-N30-PC3-15-10-L-2-CP-256QAM-Outer_Full-52@
0-14.97-14.97-19~27.5-PASS



1-N30-PC3-15-10-M-1-DFT-256QAM-Outer_Full-50
@0-15.00-15.00-19~27.5-PASS



1-N30-PC3-15-10-M-2-CP-256QAM-Outer_Full-52
@0-14.99-14.99-19~27.5-PASS



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1-N30-PC3-15-10-H-1-DFT-256QAM-Outer_Full-50
@0-14.98-14.98-19~27.5-PASS



1-N30-PC3-15-10-H-2-CP-256QAM-Outer_Full-52@
0-15.00-15.00-19~27.5-PASS



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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
N30	15	5	DFT-QPSK	M	Outer_Full	4.488	5.150	PASS
N30	15	5	DFT-PI2BPSK	M	Outer_Full	4.515	5.230	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	4.541	5.270	PASS
N30	15	5	DFT-64QAM	M	Outer_Full	4.497	5.150	PASS
N30	15	5	DFT-256QAM	M	Outer_Full	4.496	5.200	PASS
N30	15	5	CP-QPSK	M	Outer_Full	4.524	5.270	PASS
N30	15	5	CP-16QAM	M	Outer_Full	4.54	5.320	PASS
N30	15	5	CP-64QAM	M	Outer_Full	4.534	5.290	PASS
N30	15	5	CP-256QAM	M	Outer_Full	4.523	5.370	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	8.929	9.700	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	8.91	9.640	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	8.971	9.780	PASS
N30	15	10	DFT-64QAM	M	Outer_Full	8.935	9.580	PASS
N30	15	10	DFT-256QAM	M	Outer_Full	8.939	9.620	PASS
N30	15	10	CP-QPSK	M	Outer_Full	9.289	10.280	PASS
N30	15	10	CP-16QAM	M	Outer_Full	9.298	10.140	PASS
N30	15	10	CP-64QAM	M	Outer_Full	9.282	10.160	PASS
N30	15	10	CP-256QAM	M	Outer_Full	9.302	10.200	PASS



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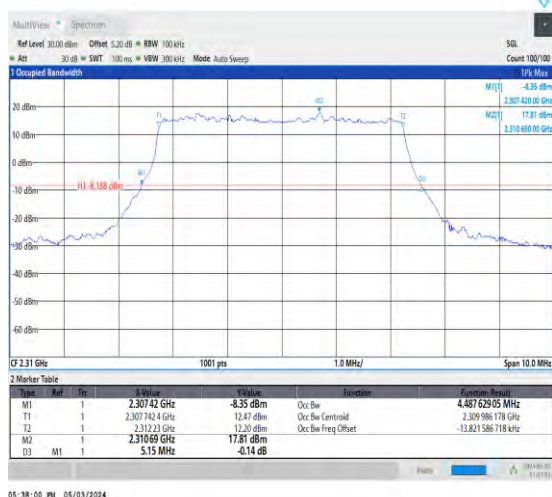
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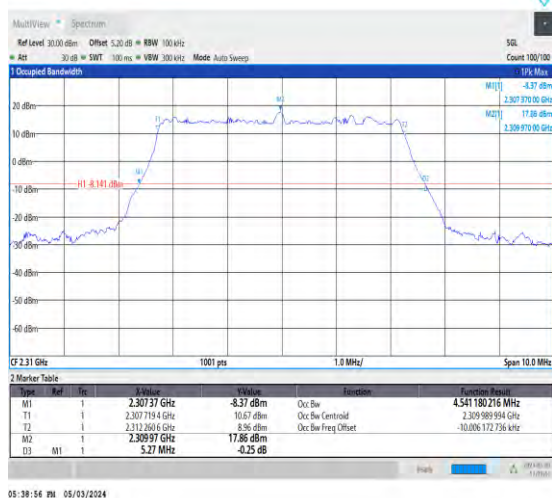
Test Graphs



1-N30-PC3-15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant0-4.488-5.150-≤5-PASS



1-N30-PC3-15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant0-4.515-5.230-≤5-PASS



1-N30-PC3-15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant0-4.541-5.270-≤5-PASS



1-N30-PC3-15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant0-4.497-5.150-≤5-PASS



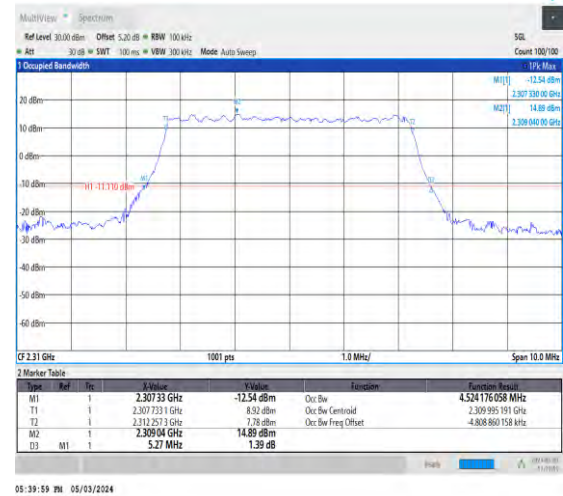
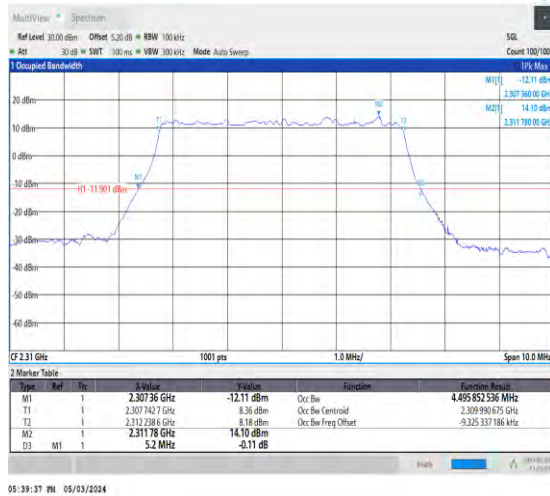
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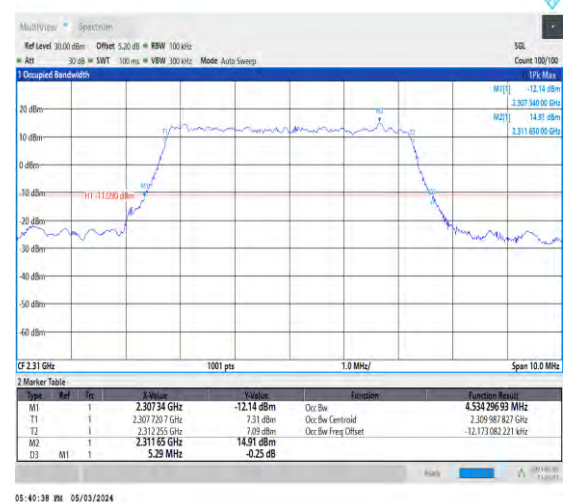
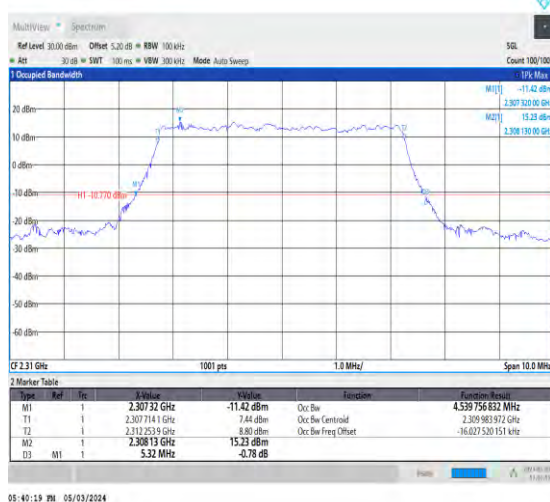
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1-N30-PC3-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant0-4.496-5.200-≤5-PASS

1-N30-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant0-4.524-5.270-≤5-PASS



1-N30-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant0-4.54-5.320-≤5-PASS

1-N30-PC3-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant0-4.534-5.290-≤5-PASS



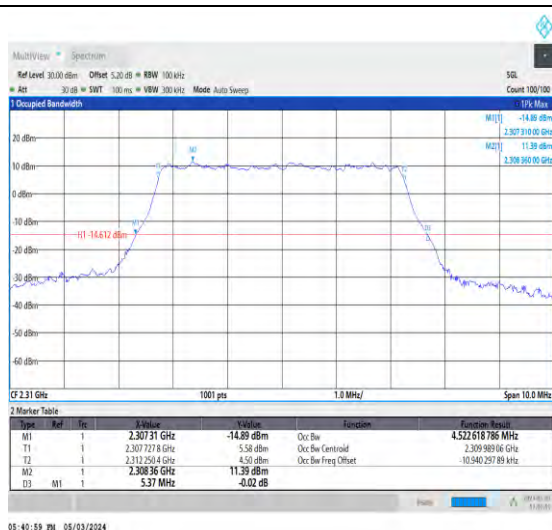
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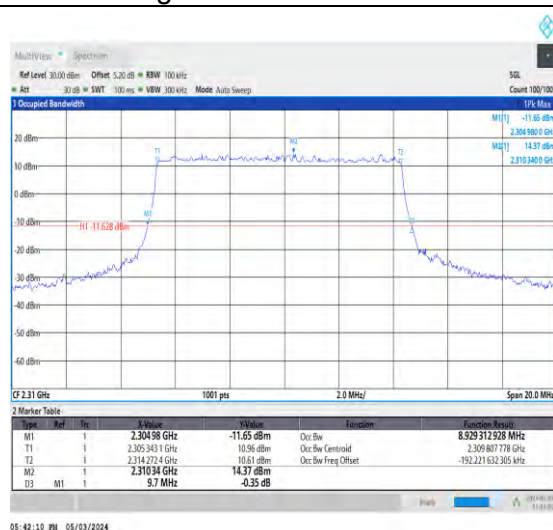
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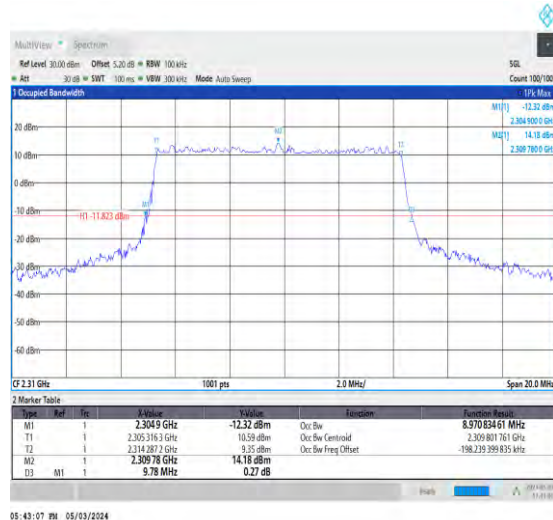
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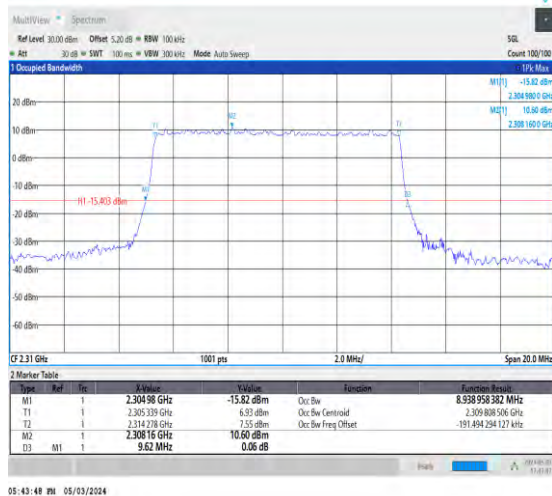
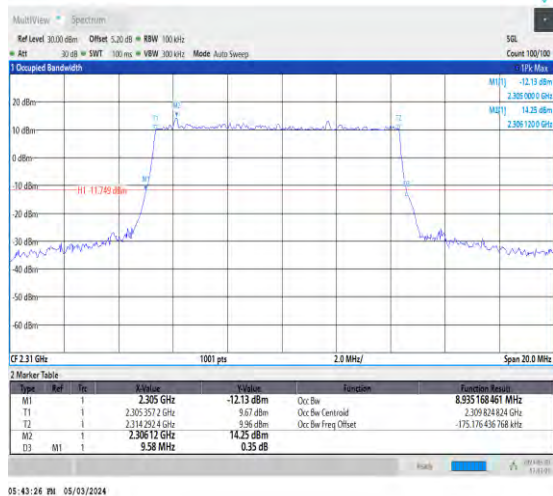
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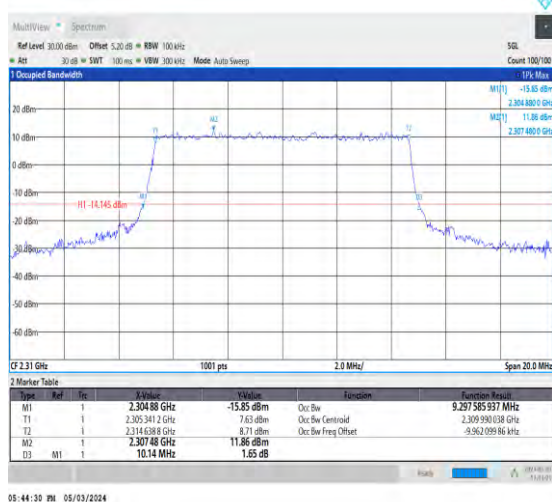
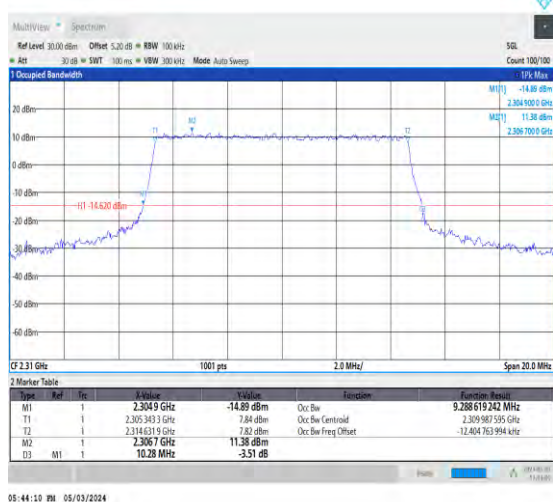
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1-N30-PC3-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant0-8.935-9.580-≤10-PASS

1-N30-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant0-8.939-9.620-≤10-PASS



1-N30-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant0-9.289-10.280-≤10-PASS

1-N30-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant0-9.298-10.140-≤10-PASS



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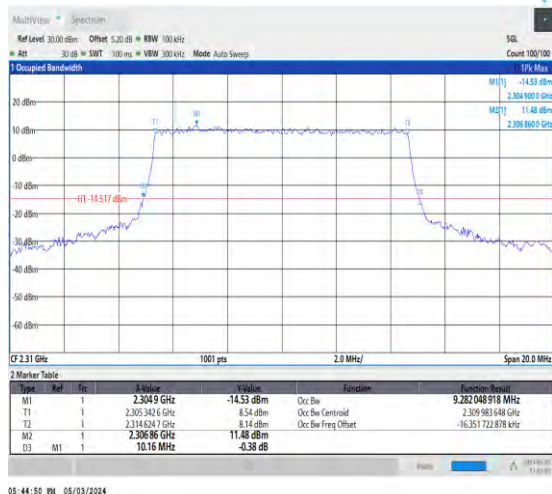
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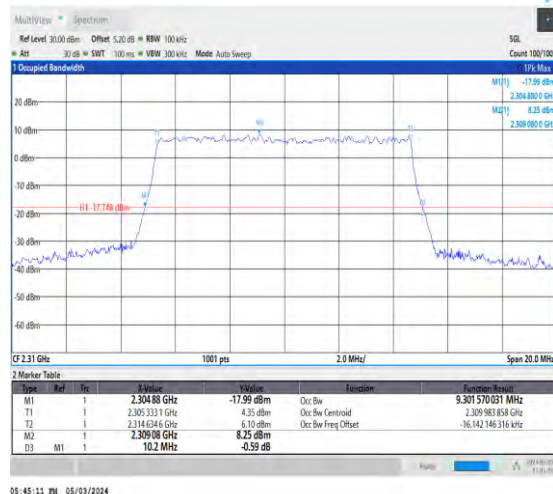
Report No.: SUCR240400009002

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1-N30-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0
-Ant0-9.282-10.160≤10-PASS



1-N30-PC3-15-10-M-9-CP-256QAM-Outer_Full-52@0
0-Ant0-9.302-10.200≤10-PASS



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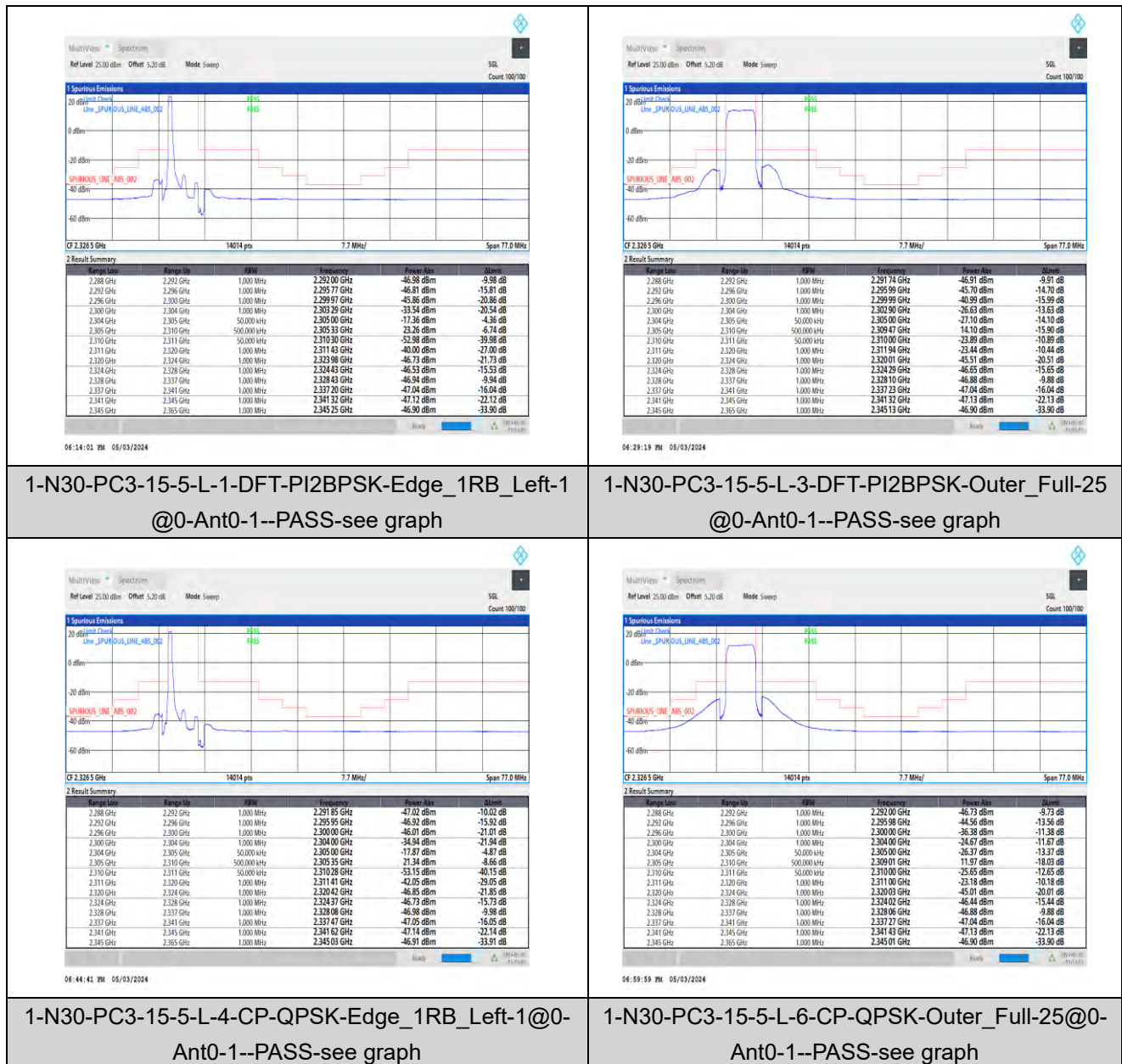
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Band Edge for SA

Test Graphs



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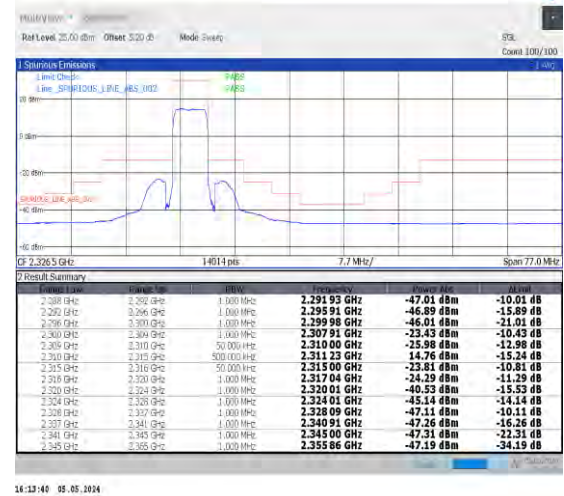
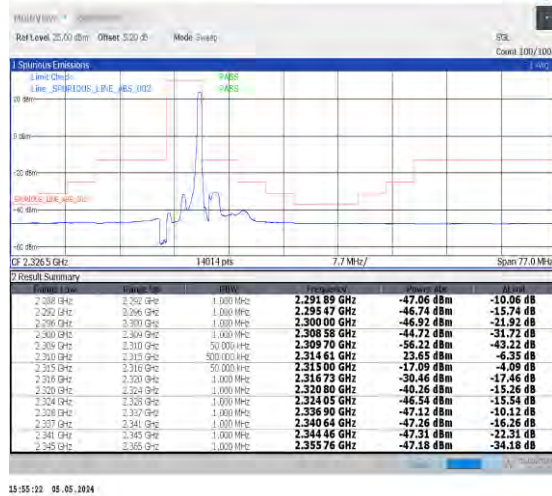
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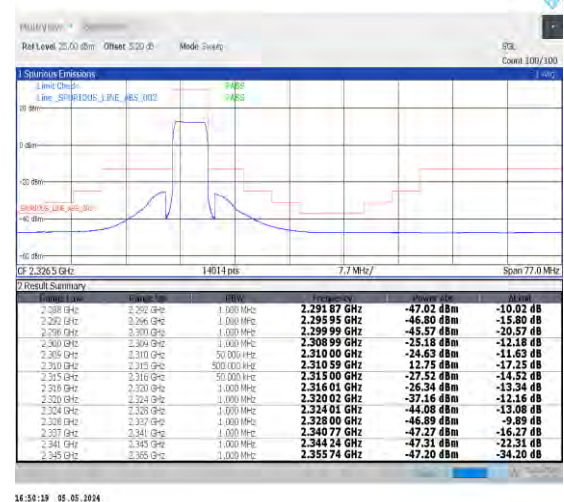
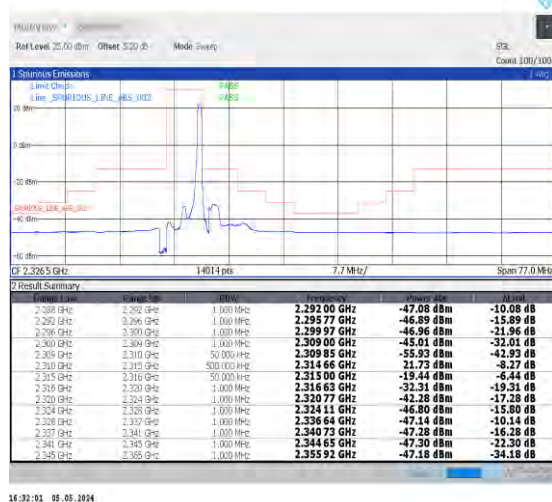
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1-N30-PC3-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@24-Ant0-1--PASS-see graph

1-N30-PC3-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant0-1--PASS-see graph



1-N30-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant0-1--PASS-see graph

1-N30-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant0-1--PASS-see graph



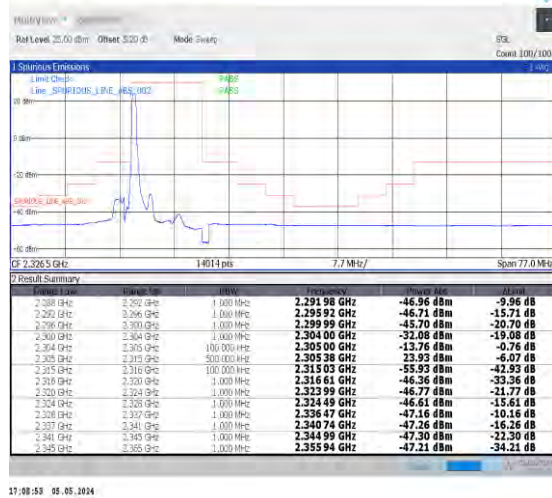
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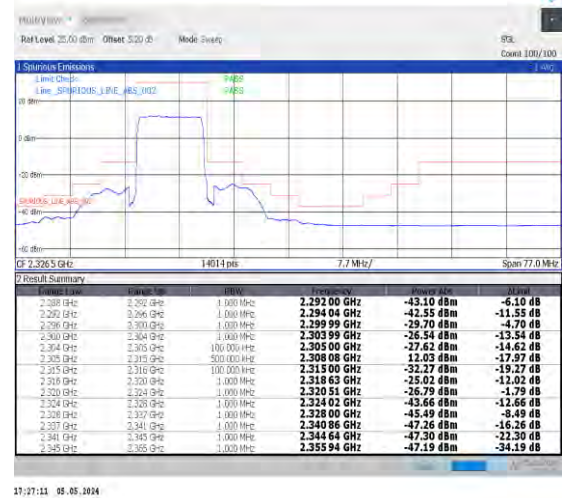
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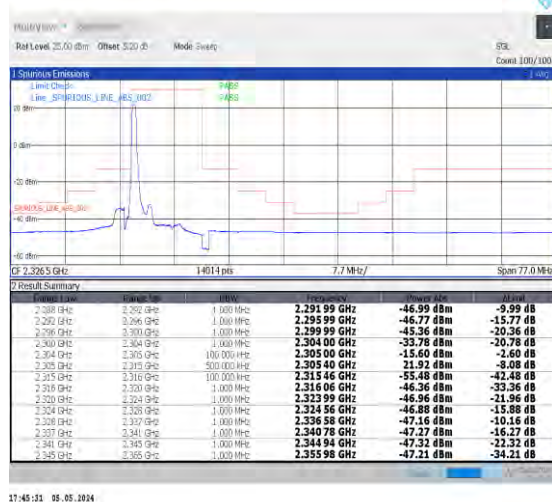
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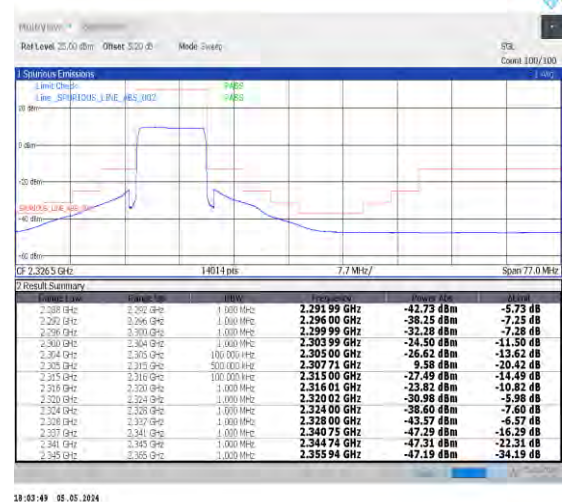
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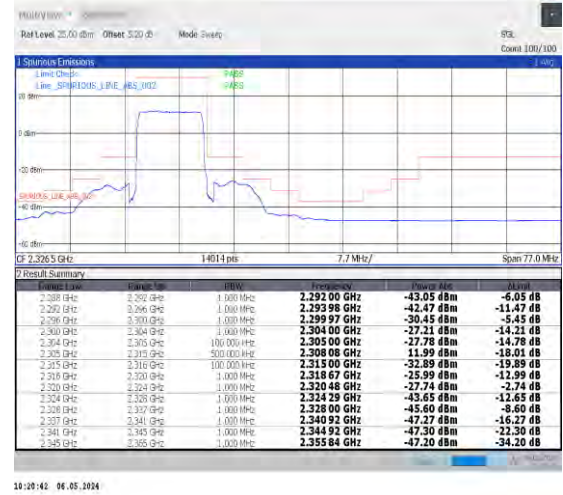
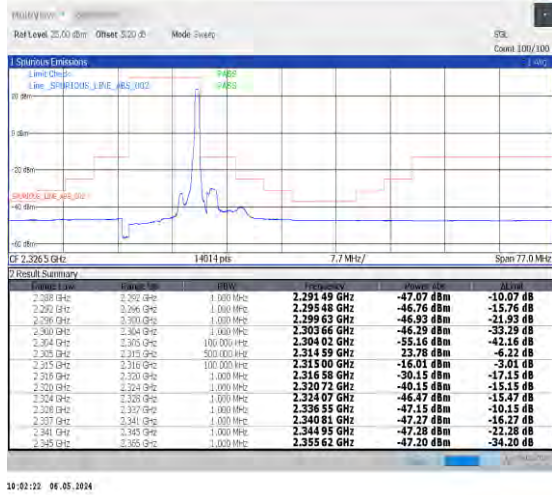
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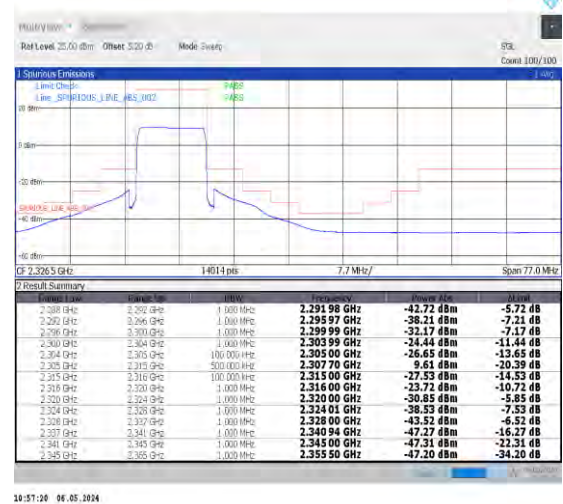
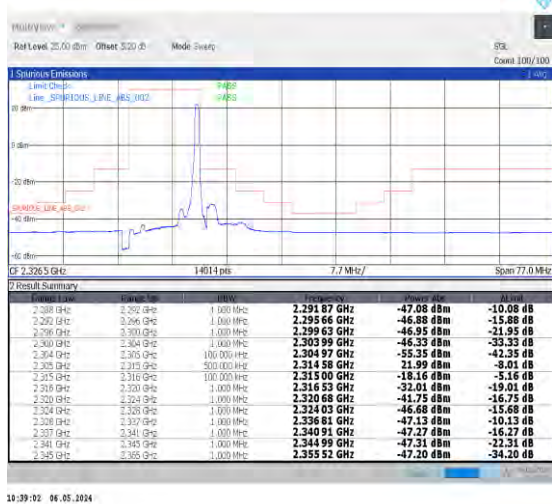
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1-N30-PC3-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-t-1@51-Ant0-1--PASS-see graph

1-N30-PC3-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant0-1--PASS-see graph



1-N30-PC3-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant0-1--PASS-see graph

1-N30-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant0-1--PASS-see graph



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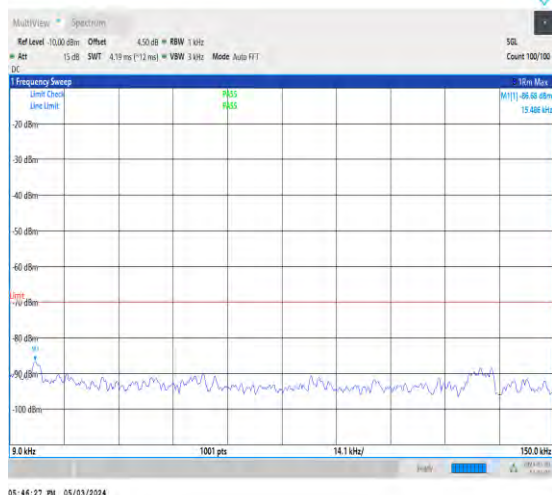
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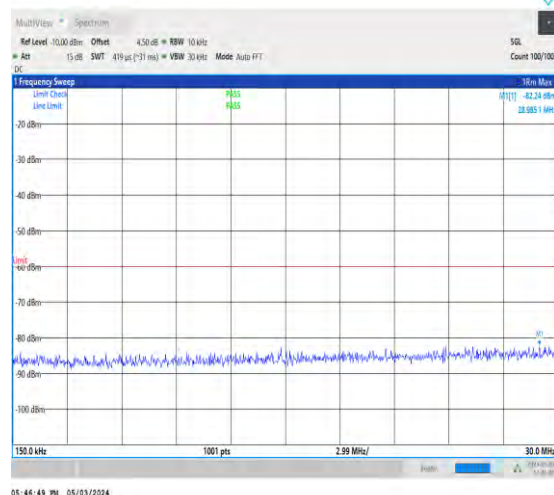
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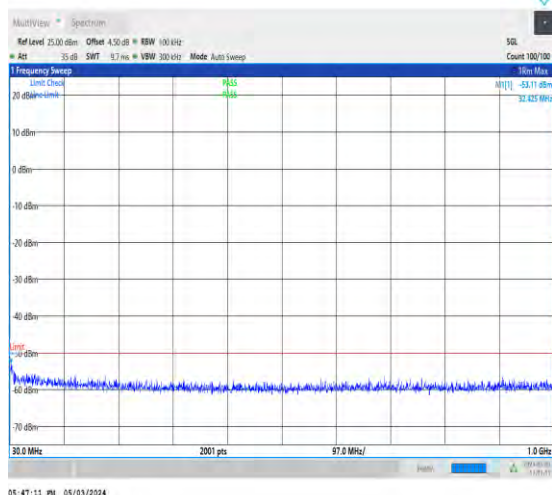
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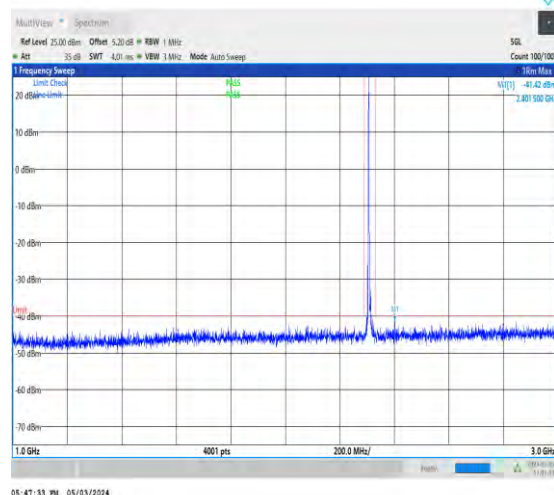
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1-N30-PC3-15-10-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant0-32.43--53.11--50-PASS



1-N30-PC3-15-10-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant0-2401.50--41.42--40-PASS



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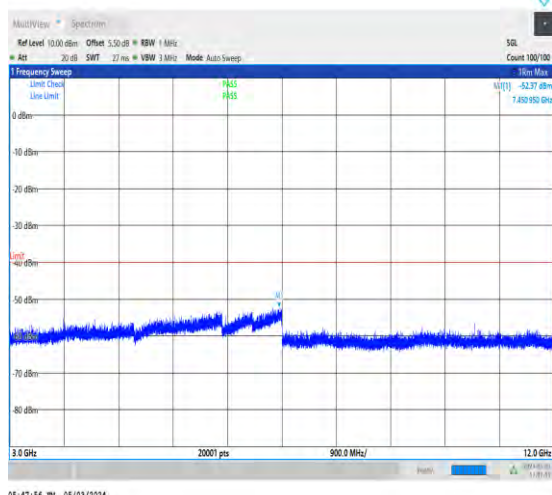
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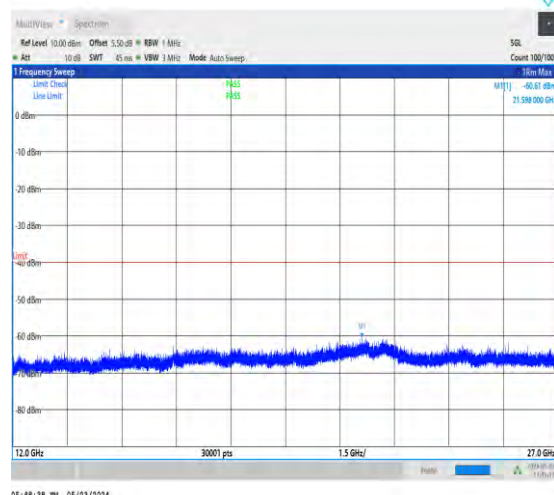
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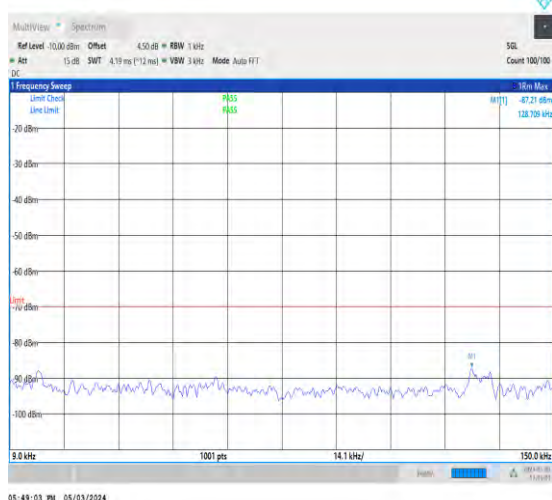
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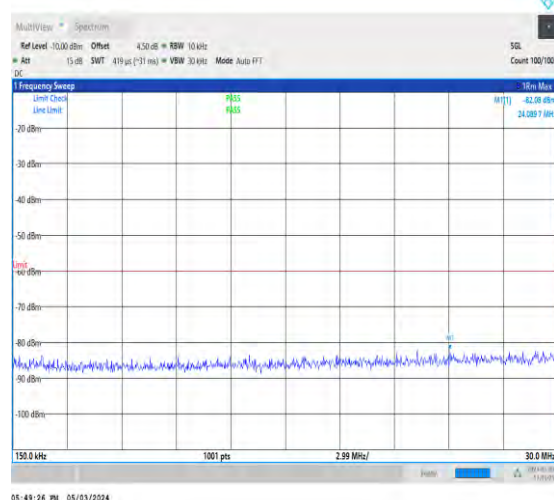
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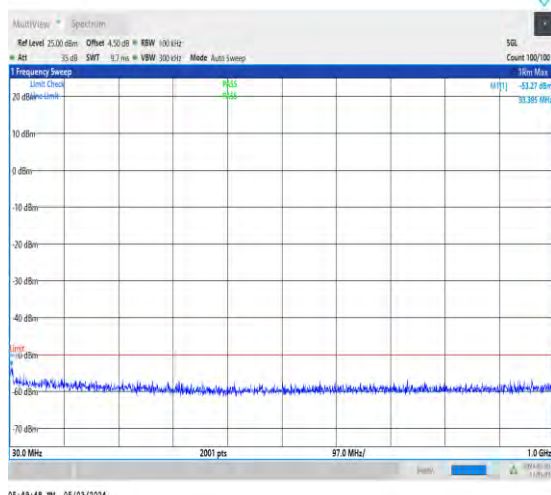
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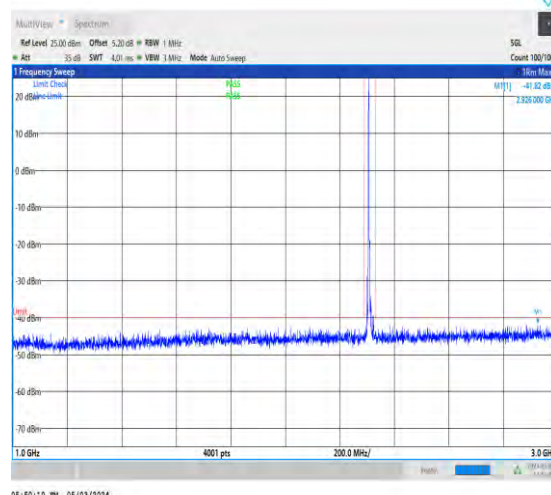
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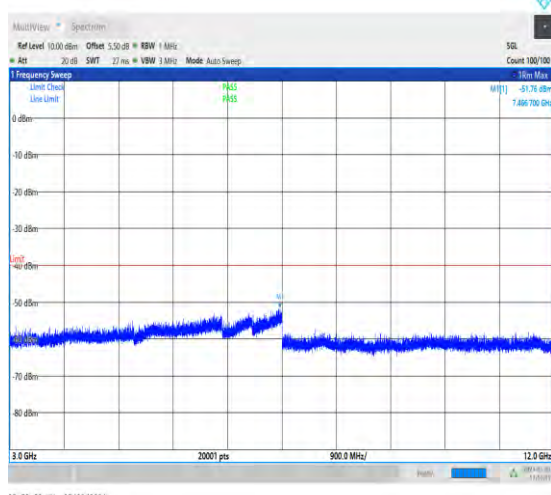
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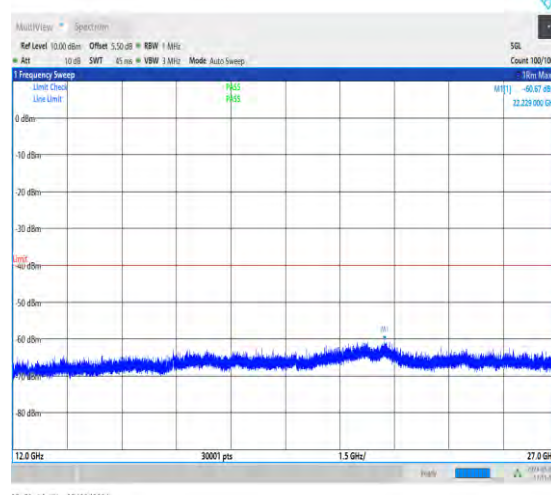
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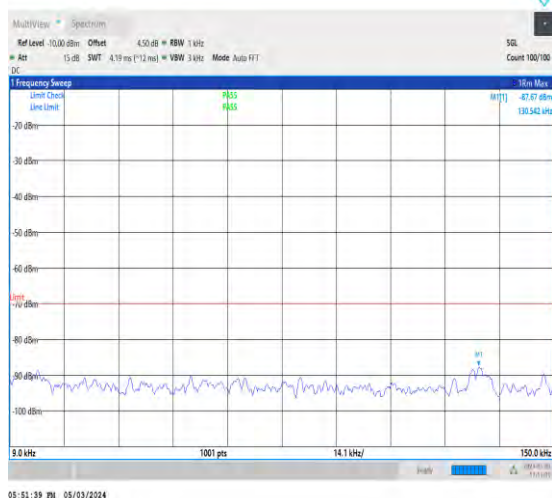
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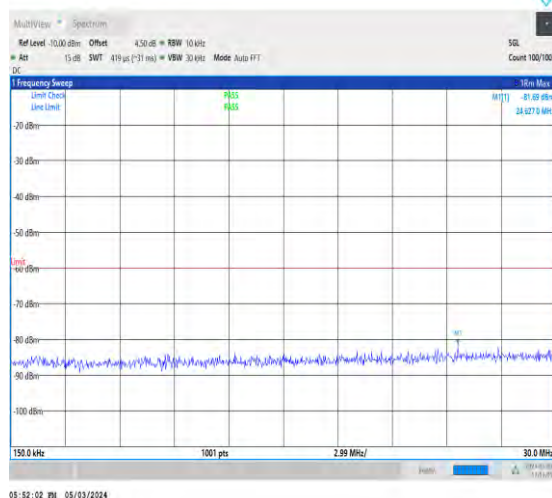
Report No.: SUCR240400009002

Rev.: 01

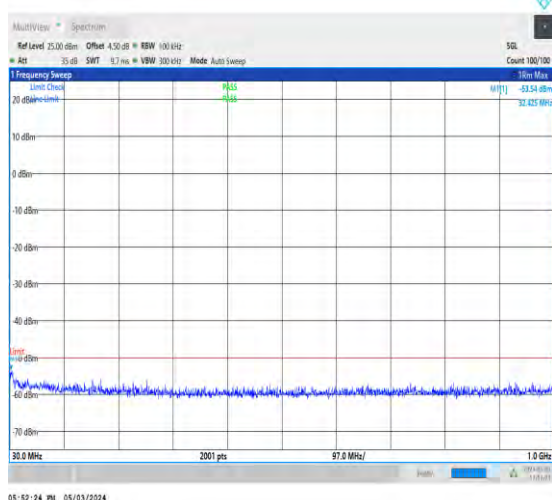
Page: 43 of 48



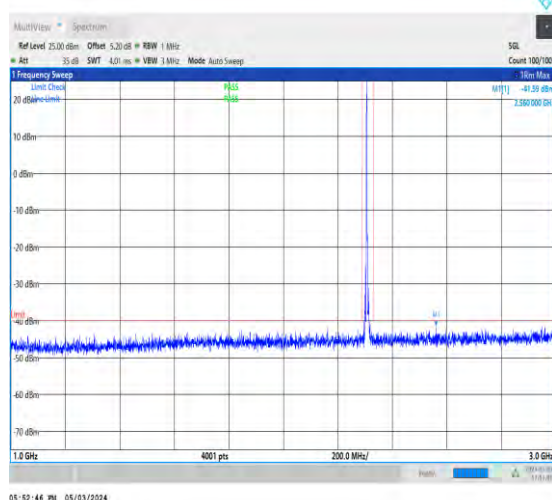
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eft-1@1-0.009-0.15-Ant0-0.13--87.67--70-PASS



1-N30-PC3-15-10-H-1-DFT-PI2BPSK-Inner_1RB_L ef
t-1@1-0.15-30-Ant0-24.63--81.69--60-PASS



1-N30-PC3-15-10-H-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-30-1000-Ant0-32.43--53.54--50-PASS



1-N30-PC3-15-10-H-1-DFT-PI2BPSK-Inner_1RB_L ef
t-1@1-1000-3000-Ant0-2560.00--41.59--40-PASS



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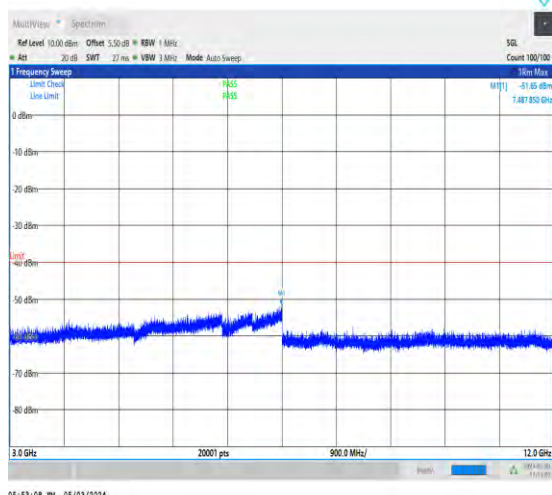
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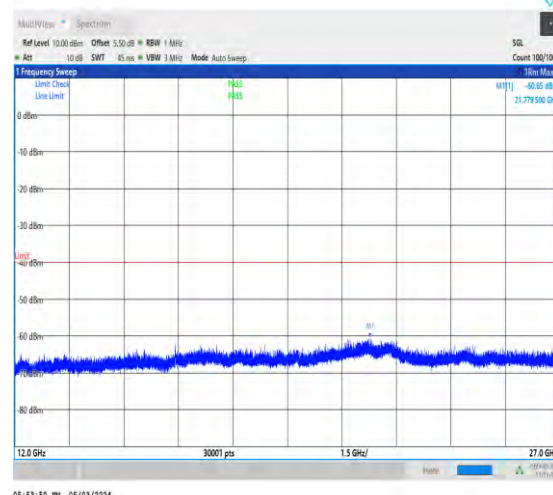
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1-N30-PC3-15-10-H-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-3000-12000-Ant0-7487.85--51.65--40-PAS
S



1-N30-PC3-15-10-H-1-DFT-PI2BPSK-Inner_1RB_Lef
t-1@1-12000-27000-Ant0-21779.50--60.65--40-PASS



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Field Strength of Spurious Radiation

Test Band = SA_N30_10MHz

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3628.5	54.07	-49.52	30.31	-60.40	-40.00	20.40	Horizontal
2	5096	52.73	-47.47	33.49	-56.51	-40.00	16.51	Horizontal
3	6936	50.79	-44.44	36.34	-52.57	-40.00	12.57	Horizontal
4	8545.5	48.70	-41.45	38.99	-49.02	-40.00	9.02	Horizontal
5	11472.5	47.64	-38.33	39.56	-46.39	-40.00	6.39	Horizontal
6	16392	48.24	-35.58	38.22	-44.38	-40.00	4.38	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3650	54.24	-49.50	30.40	-60.12	-40.00	20.12	Vertical
2	4030.5	53.90	-48.98	30.98	-59.36	-40.00	19.36	Vertical
3	6642.5	51.17	-44.69	36.00	-52.78	-40.00	12.78	Vertical
4	8544.5	48.79	-41.47	38.97	-48.97	-40.00	8.97	Vertical
5	9512	49.75	-40.73	39.18	-47.06	-40.00	7.06	Vertical
6	16399.5	47.63	-35.42	38.20	-44.85	-40.00	4.85	Vertical



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Test Band = NSA_B12+N30
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3618	54.50	-49.53	30.27	-60.02	-40.00	20.02	Horizontal
2	4627	52.68	-47.84	32.05	-58.37	-40.00	18.37	Horizontal
3	6245	51.25	-45.18	34.38	-54.81	-40.00	14.81	Horizontal
4	8539	49.78	-41.58	38.84	-48.22	-40.00	8.22	Horizontal
5	11075	47.73	-39.20	39.43	-47.30	-40.00	7.30	Horizontal
6	16020.5	47.43	-35.50	38.18	-45.15	-40.00	5.15	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3293.5	53.06	-50.57	30.69	-62.08	-40.00	22.08	Vertical
2	4251	52.98	-48.41	32.09	-58.60	-40.00	18.60	Vertical
3	6064	51.81	-45.74	34.43	-54.76	-40.00	14.76	Vertical
4	8054	50.43	-42.82	37.59	-50.06	-40.00	10.06	Vertical
5	11328.5	48.22	-38.69	39.63	-46.10	-40.00	6.10	Vertical
6	17132.5	47.68	-36.96	38.27	-46.27	-40.00	6.27	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
N30	15	10	DFT-PI2BPSK	M	Outer_Full	VH	NT	-7.400000	-0.003203	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	VN	NT	-1.000000	-0.000433	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	VL	NT	-7.600000	-0.003290	PASS
N30	15	10	CP-QPSK	M	Outer_Full	VH	NT	-6.400000	-0.002771	PASS
N30	15	10	CP-QPSK	M	Outer_Full	VN	NT	-4.700000	-0.002035	PASS
N30	15	10	CP-QPSK	M	Outer_Full	VL	NT	-2.800000	-0.001212	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	50	-5.500000	-0.002381	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-20	-0.500000	-0.000216	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-10	-5.100000	-0.002208	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	0	-8.300000	-0.003593	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	10	2.300000	0.000996	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	20	-1.700000	-0.000736	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	30	-2.500000	-0.001082	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-30	-5.600000	-0.002424	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	40	1.100000	0.000476	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	50	-7.400000	-0.003203	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	-20	-4.200000	-0.001818	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	-10	-6.200000	-0.002684	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	0	1.000000	0.000433	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	10	-4.900000	-0.002121	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	20	0.000000	0.000000	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	30	-2.700000	-0.001169	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	40	-7.400000	-0.003203	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	-30	-6.400000	-0.002771	PASS

---End of Attachment---



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