

Report No.: SUCR240400009002

Rev.: 01

Page: 1 of 40

Appendix B.34

NR Band n5



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.83	24.36	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.62	24.15	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Outer_Full	23.81	24.34	38.45	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Left	23.82	24.35	38.45	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Right	23.7	24.23	38.45	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	23.73	24.26	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Left	23.7	24.23	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Right	23.7	24.23	38.45	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	22.89	23.42	38.45	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Left	22.56	23.09	38.45	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Right	22.54	23.07	38.45	PASS
N5	15	5	DFT-64QAM	L	Outer_Full	22.36	22.89	38.45	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Left	19.88	20.41	38.45	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Right	19.8	20.33	38.45	PASS
N5	15	5	DFT-256QAM	L	Outer_Full	20.25	20.78	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.57	24.1	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.71	24.24	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	23.74	24.27	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Left	23.63	24.16	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Right	23.72	24.25	38.45	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	23.71	24.24	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Left	23.67	24.2	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Right	23.66	24.19	38.45	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	22.81	23.34	38.45	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Left	22.39	22.92	38.45	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Right	22.49	23.02	38.45	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	22.28	22.81	38.45	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Left	19.64	20.17	38.45	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Right	19.85	20.38	38.45	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	20.2	20.73	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.42	23.95	38.45	PASS



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Report No.: SUCR240400009002

Rev.: 01

Page: 3 of 40

N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.49	24.02	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Outer_Full	23.65	24.18	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Left	23.47	24	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Right	23.54	24.07	38.45	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	23.56	24.09	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Left	23.44	23.97	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Right	23.46	23.99	38.45	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	22.71	23.24	38.45	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Left	22.25	22.78	38.45	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Right	22.36	22.89	38.45	PASS
N5	15	5	DFT-64QAM	H	Outer_Full	22.14	22.67	38.45	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Left	19.58	20.11	38.45	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Right	19.59	20.12	38.45	PASS
N5	15	5	DFT-256QAM	H	Outer_Full	20.02	20.55	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.62	24.15	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.59	24.12	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Outer_Full	23.68	24.21	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Left	23.65	24.18	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Right	23.63	24.16	38.45	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	23.62	24.15	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Left	23.55	24.08	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Right	23.5	24.03	38.45	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	22.7	23.23	38.45	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Left	22.51	23.04	38.45	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Right	22.42	22.95	38.45	PASS
N5	15	10	DFT-64QAM	L	Outer_Full	22.25	22.78	38.45	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Left	19.8	20.33	38.45	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Right	19.7	20.23	38.45	PASS
N5	15	10	DFT-256QAM	L	Outer_Full	20.17	20.7	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.59	24.12	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.7	24.23	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	23.66	24.19	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Left	23.56	24.09	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Right	23.65	24.18	38.45	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	23.67	24.2	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Left	23.69	24.22	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Right	23.61	24.14	38.45	PASS



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Report No.: SUCR240400009002

Rev.: 01

Page: 4 of 40

N5	15	10	DFT-16QAM	M	Outer_Full	22.84	23.37	38.45	PASS
N5	15	10	DFT-64QAM	M	Inner_1RB_Left	22.27	22.8	38.45	PASS
N5	15	10	DFT-64QAM	M	Inner_1RB_Right	22.25	22.78	38.45	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	22.28	22.81	38.45	PASS
N5	15	10	DFT-256QAM	M	Inner_1RB_Left	20.2	20.73	38.45	PASS
N5	15	10	DFT-256QAM	M	Inner_1RB_Right	20.29	20.82	38.45	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	20.17	20.7	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.61	24.14	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.48	24.01	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Outer_Full	23.6	24.13	38.45	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Left	23.66	24.19	38.45	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Right	23.49	24.02	38.45	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	23.59	24.12	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Left	23.6	24.13	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Right	23.42	23.95	38.45	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	22.6	23.13	38.45	PASS
N5	15	10	DFT-64QAM	H	Inner_1RB_Left	22.48	23.01	38.45	PASS
N5	15	10	DFT-64QAM	H	Inner_1RB_Right	22.28	22.81	38.45	PASS
N5	15	10	DFT-64QAM	H	Outer_Full	22.24	22.77	38.45	PASS
N5	15	10	DFT-256QAM	H	Inner_1RB_Left	19.69	20.22	38.45	PASS
N5	15	10	DFT-256QAM	H	Inner_1RB_Right	19.52	20.05	38.45	PASS
N5	15	10	DFT-256QAM	H	Outer_Full	20.16	20.69	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.91	24.44	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.73	24.26	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Outer_Full	23.82	24.35	38.45	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Left	23.93	24.46	38.45	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Right	23.74	24.27	38.45	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	23.84	24.37	38.45	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Left	23.79	24.32	38.45	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Right	23.64	24.17	38.45	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	22.94	23.47	38.45	PASS
N5	15	15	DFT-64QAM	L	Inner_1RB_Left	22.67	23.2	38.45	PASS
N5	15	15	DFT-64QAM	L	Inner_1RB_Right	22.54	23.07	38.45	PASS
N5	15	15	DFT-64QAM	L	Outer_Full	22.46	22.99	38.45	PASS
N5	15	15	DFT-256QAM	L	Inner_1RB_Left	20.05	20.58	38.45	PASS
N5	15	15	DFT-256QAM	L	Inner_1RB_Right	19.8	20.33	38.45	PASS
N5	15	15	DFT-256QAM	L	Outer_Full	20.29	20.82	38.45	PASS



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Report No.: SUCR240400009002

Rev.: 01

Page: 5 of 40

N5	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.75	24.28	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.68	24.21	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	23.87	24.4	38.45	PASS
N5	15	15	DFT-QPSK	M	Inner_1RB_Left	23.68	24.21	38.45	PASS
N5	15	15	DFT-QPSK	M	Inner_1RB_Right	23.6	24.13	38.45	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	23.86	24.39	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Left	23.76	24.29	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Right	23.57	24.1	38.45	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	22.94	23.47	38.45	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Left	22.59	23.12	38.45	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Right	22.47	23	38.45	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	22.39	22.92	38.45	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Left	19.88	20.41	38.45	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Right	19.69	20.22	38.45	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	20.3	20.83	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.67	24.2	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.54	24.07	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Outer_Full	23.83	24.36	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Left	23.8	24.33	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Right	23.67	24.2	38.45	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	23.73	24.26	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Left	23.72	24.25	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Right	23.51	24.04	38.45	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	22.96	23.49	38.45	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Left	22.54	23.07	38.45	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Right	22.46	22.99	38.45	PASS
N5	15	15	DFT-64QAM	H	Outer_Full	22.49	23.02	38.45	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Left	19.95	20.48	38.45	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Right	19.63	20.16	38.45	PASS
N5	15	15	DFT-256QAM	H	Outer_Full	20.41	20.94	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	23.77	24.3	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	23.63	24.16	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Outer_Full	23.86	24.39	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Left	23.89	24.42	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Right	23.6	24.13	38.45	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	23.84	24.37	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Left	23.77	24.3	38.45	PASS



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Report No.: SUCR240400009002

Rev.: 01

Page: 6 of 40

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N5	15	20	DFT-16QAM	L	Outer_Full	23	23.53	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Left	22.71	23.24	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Right	22.38	22.91	38.45	PASS
N5	15	20	DFT-64QAM	L	Outer_Full	22.61	23.14	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Left	19.99	20.52	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Right	19.78	20.31	38.45	PASS
N5	15	20	DFT-256QAM	L	Outer_Full	20.38	20.91	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.83	24.36	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.58	24.11	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	23.86	24.39	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Left	23.57	24.1	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Right	23.44	23.97	38.45	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	23.83	24.36	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Left	23.65	24.18	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Right	23.44	23.97	38.45	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	22.86	23.39	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Left	22.6	23.13	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Right	22.39	22.92	38.45	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	22.51	23.04	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Left	19.91	20.44	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Right	19.72	20.25	38.45	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	20.38	20.91	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	23.75	24.28	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	23.54	24.07	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Outer_Full	23.71	24.24	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Left	23.81	24.34	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Right	23.5	24.03	38.45	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	23.77	24.3	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Left	23.74	24.27	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Right	23.48	24.01	38.45	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	22.88	23.41	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Left	22.6	23.13	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Right	22.36	22.89	38.45	PASS
N5	15	20	DFT-64QAM	H	Outer_Full	22.42	22.95	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Left	19.92	20.45	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Right	19.67	20.2	38.45	PASS



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Report No.: SUCR240400009002

Rev.: 01

Page: 7 of 40

Peak-to-Average Ratio for SA

Peak-to-Average Ratio(CCDF)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N5	15	20	DFT-256QAM	L	Outer_Full	6.59	13	PASS
N5	15	20	CP-256QAM	L	Outer_Full	8.07	13	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	6.39	13	PASS
N5	15	20	CP-256QAM	M	Outer_Full	8.06	13	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	6.38	13	PASS
N5	15	20	CP-256QAM	H	Outer_Full	8.37	13	PASS



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Test Graphs



1-N5-15-20-L-1-DFT-256QAM-Outer_Full-100@0-12.70-12.70-19~27.5-PASS



1-N5-15-20-L-2-CP-256QAM-Outer_Full-106@0-10.84-10.84-19~27.5-PASS



1-N5-15-20-M-1-DFT-256QAM-Outer_Full-100@0-18.92-18.92-19~27.5-PASS



1-N5-15-20-M-2-CP-256QAM-Outer_Full-106@0-10.45-10.45-19~27.5-PASS



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Report No.: SUCR240400009002

Rev.: 01

Page: 9 of 40



1-N5-15-20-H-1-DFT-256QAM-Outer_Full-100@0-18
.80-18.80-19~27.5-PASS



1-N5-15-20-H-2-CP-256QAM-Outer_Full-106@0-16.
84-16.84-19~27.5-PASS



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Report No.: SUCR240400009002

Rev.: 01

Page: 10 of 40

26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N5	15	5	DFT-QPSK	M	Outer_Full	4.499	5.180	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	4.481	5.100	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	4.497	5.210	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	4.491	5.130	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	4.473	5.010	PASS
N5	15	5	CP-QPSK	M	Outer_Full	4.467	5.120	PASS
N5	15	5	CP-16QAM	M	Outer_Full	4.465	4.950	PASS
N5	15	5	CP-64QAM	M	Outer_Full	4.558	5.340	PASS
N5	15	5	CP-256QAM	M	Outer_Full	4.483	5.120	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	8.918	9.680	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	8.908	9.600	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	8.912	9.580	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	8.922	9.680	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	8.92	9.600	PASS
N5	15	10	CP-QPSK	M	Outer_Full	9.269	10.020	PASS
N5	15	10	CP-16QAM	M	Outer_Full	9.276	9.980	PASS
N5	15	10	CP-64QAM	M	Outer_Full	9.251	9.880	PASS
N5	15	10	CP-256QAM	M	Outer_Full	9.279	9.980	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	13.49	14.490	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	13.482	14.340	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	13.48	14.490	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	13.447	14.430	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	13.507	14.490	PASS
N5	15	15	CP-QPSK	M	Outer_Full	14.125	15.120	PASS
N5	15	15	CP-16QAM	M	Outer_Full	14.127	15.300	PASS
N5	15	15	CP-64QAM	M	Outer_Full	14.153	15.180	PASS
N5	15	15	CP-256QAM	M	Outer_Full	14.124	15.090	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	4.755	5.600	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	17.876	18.960	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	17.875	18.840	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	17.868	18.960	PASS



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Report No.: SUCR240400009002

Rev.: 01

Page: 11 of 40

N5	15	20	DFT-256QAM	M	Outer_Full	17.825	18.920	PASS
N5	15	20	CP-QPSK	M	Outer_Full	17.868	18.920	PASS
N5	15	20	CP-16QAM	M	Outer_Full	17.846	18.880	PASS
N5	15	20	CP-64QAM	M	Outer_Full	17.885	19.080	PASS
N5	15	20	CP-256QAM	M	Outer_Full	17.848	18.760	PASS



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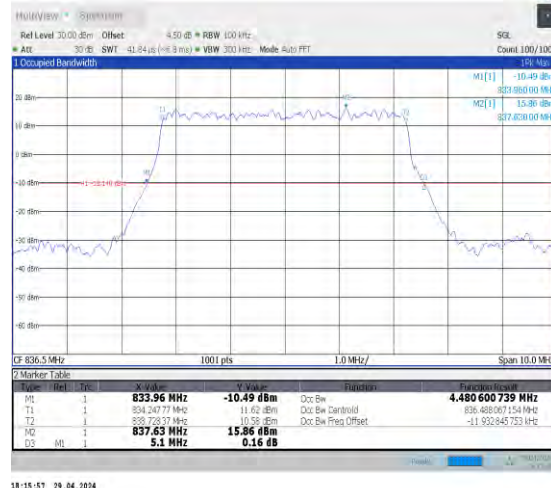
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Page: 12 of 40

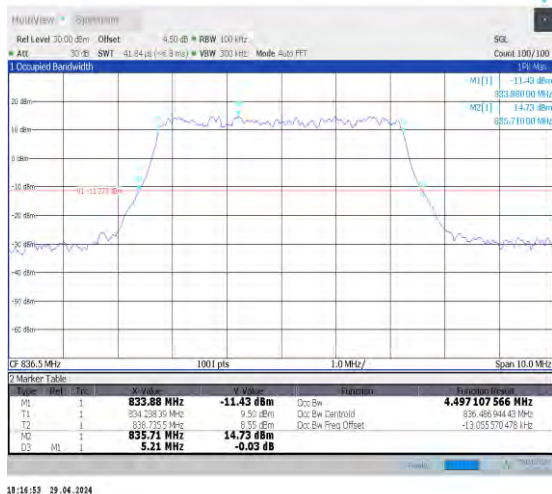
Test Graphs



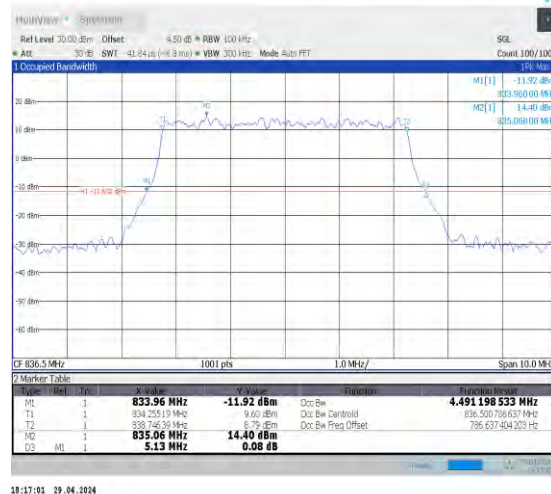
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499-5.180-≤5-PASS



1-N5-15-5-M-2-DFT-PI2BPSK-Outet_Full-25@0-Ant
0-4.481-5.100-≤5-PASS



1-N5-15-5-M-3-DFT-16QAM-Outet_Full-25@0-Ant0-
4.497-5.210-≤5-PASS



1-N5-15-5-M-4-DFT-64QAM-Outet_Full-25@0-Ant0-
4.491-5.130-≤5-PASS



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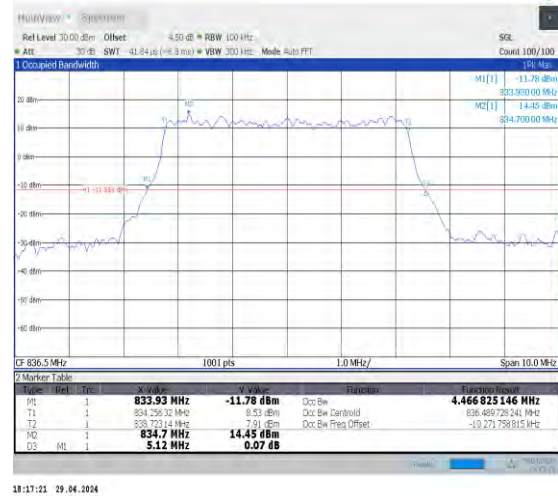
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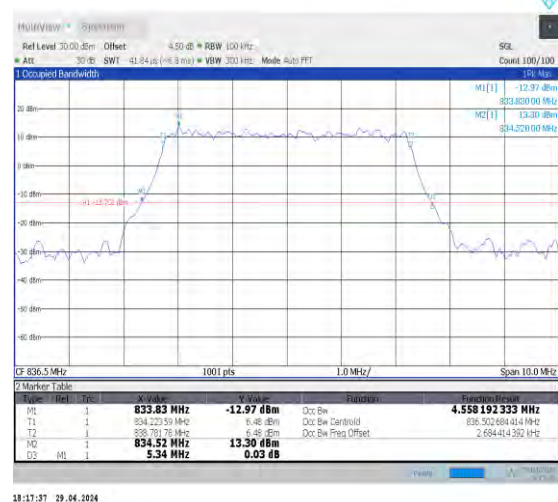
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1-N5-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant0-4.
467-5.120-≤5-PASS



1-N5-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant0-4.
465-4.950-≤5-PASS



1-N5-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant0-4
.558-5.340-≤5-PASS



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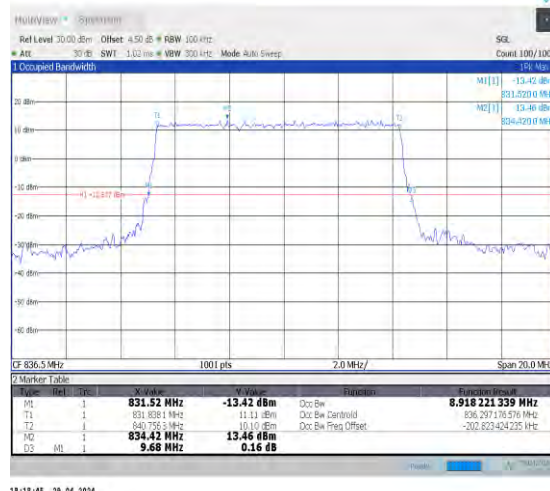
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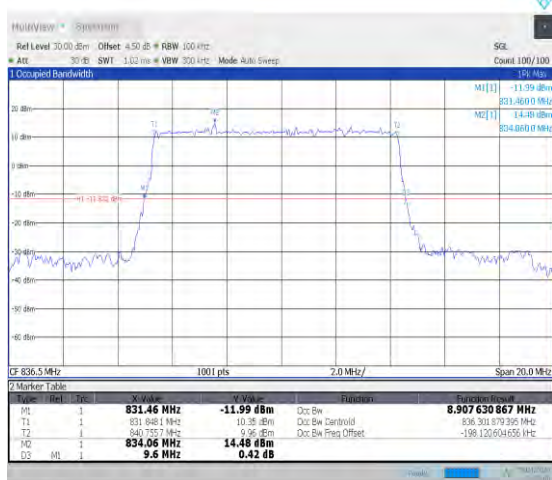
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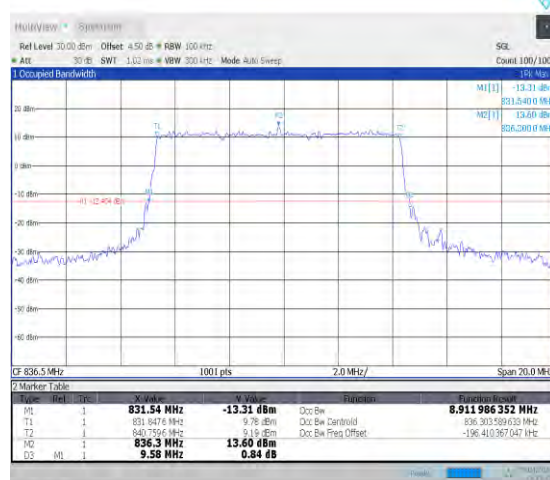
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8.918-9.680-≤10-PASS



18:19:01 29.04.2024

1-N5-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant0-
8.908-9.600-≤10-PASS



18:19:17 29.04.2024

1-N5-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant0-
-8.912-9.580-≤10-PASS



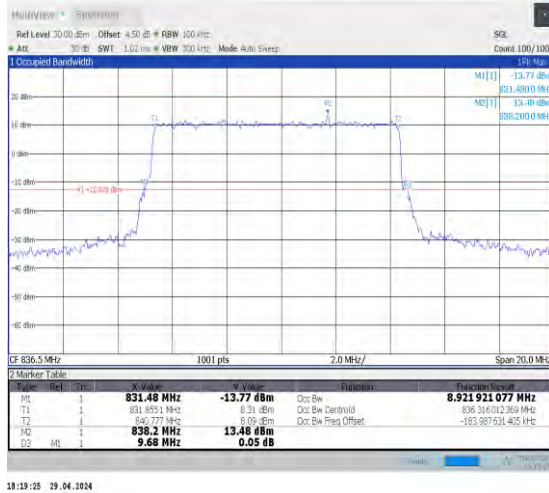
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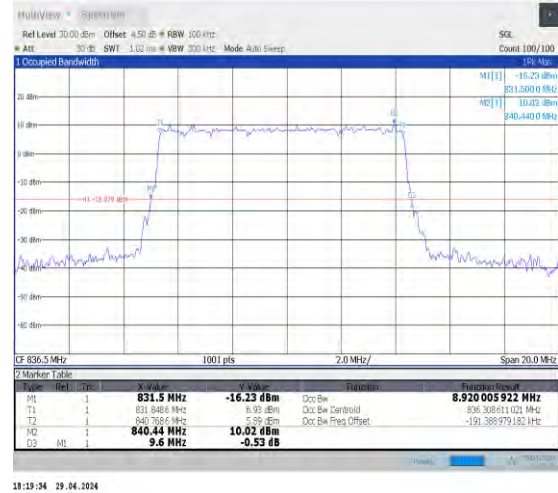
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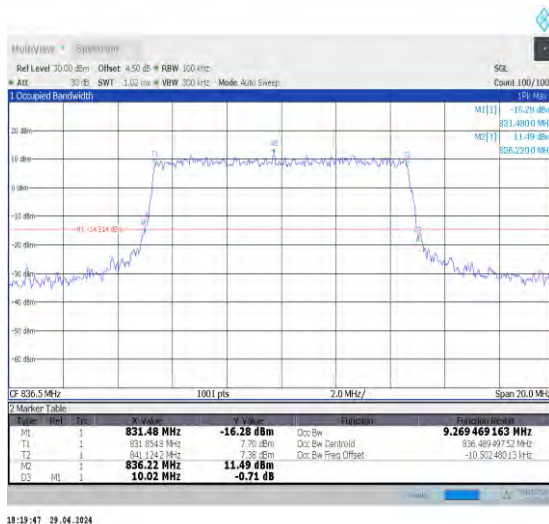
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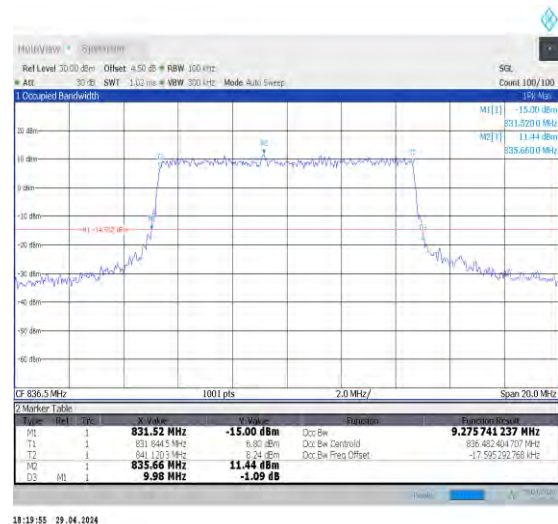
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-8.922-9.680≤10-PASS



1-N5-15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant
0-8.92-9.600≤10-PASS



1-N5-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant0-9.
269-10.020≤10-PASS



1-N5-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant0-
9.276-9.980≤10-PASS



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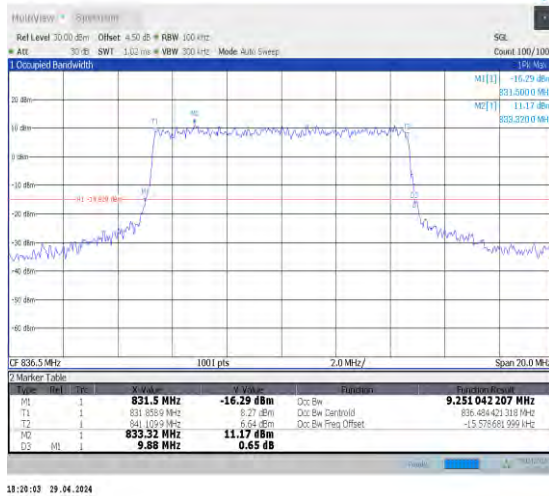
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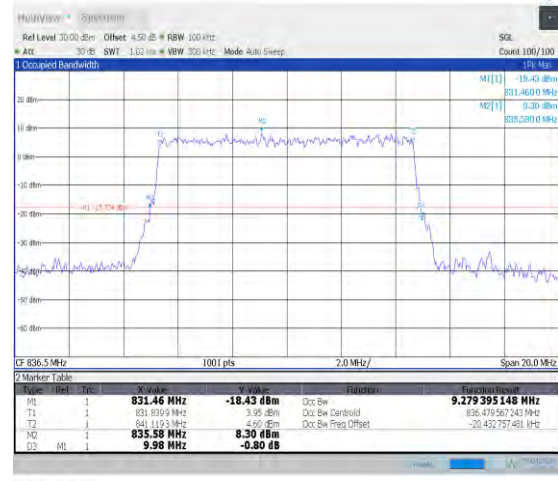
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Page: 16 of 40



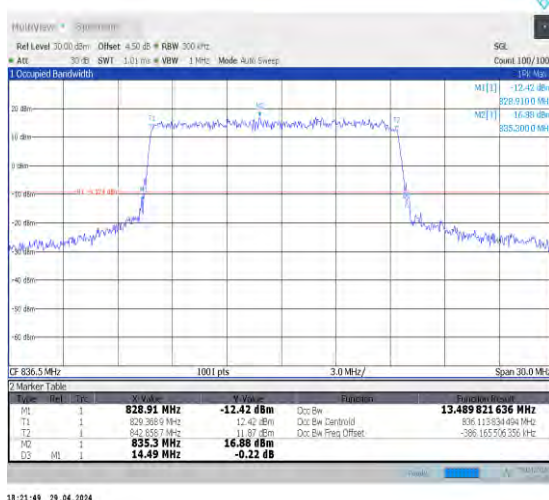
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9.251-9.880-≤10-PASS



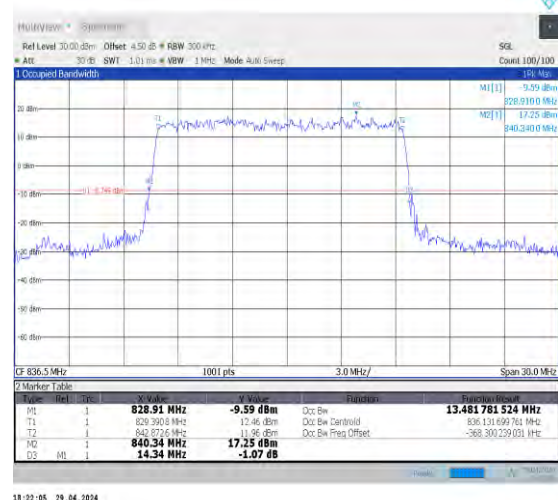
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1-N5-15-10-M-9-CP-256QAM-Outer_Full-52@0-Ant
0-9.279-9.980-≤10-PASS



18:21:49 29.04.2024

1-N5-15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant0-
13.49-14.490-≤15-PASS



18:22:05 29.04.2024

1-N5-15-15-M-2-DFT-PI2BPSK-Outer_Full-75@0-An
t0-13.482-14.340-≤15-PASS



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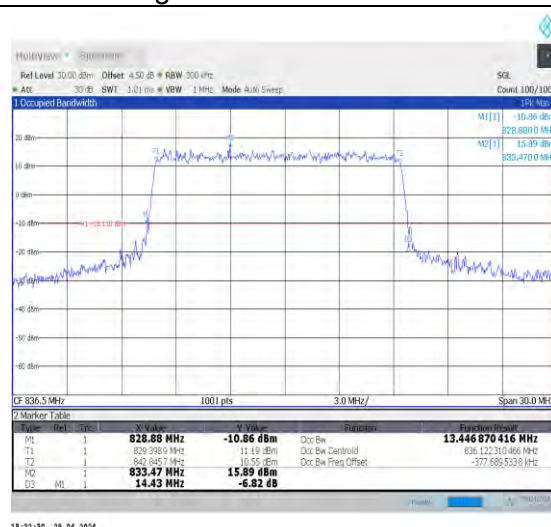
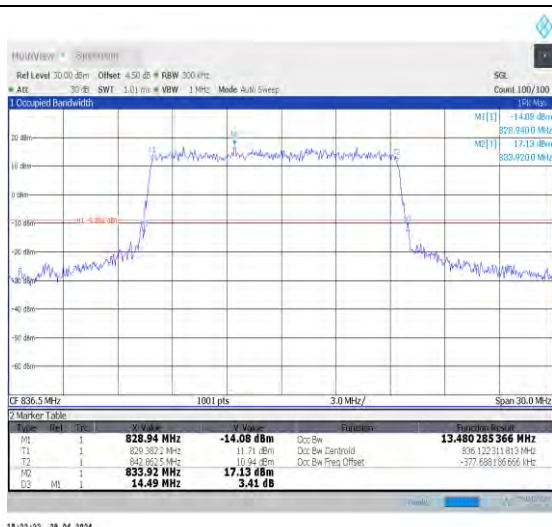
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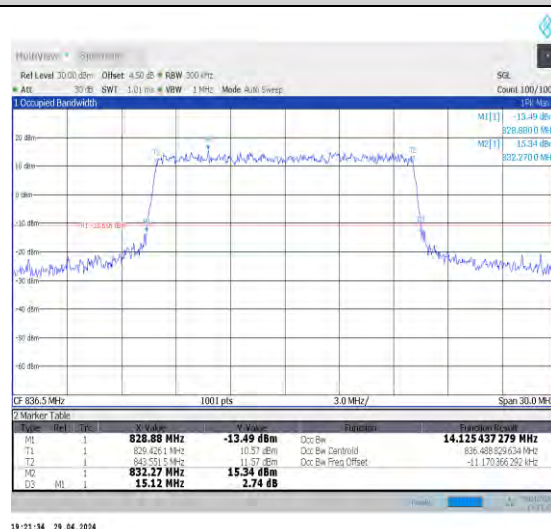
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Page: 17 of 40



1-N5-15-15-M-3-DFT-16QAM-Outer_Full-75@0-Ant0
-13.48-14.490≤15-PASS

1-N5-15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant0
-13.447-14.430≤15-PASS



1-N5-15-15-M-5-DFT-256QAM-Outer_Full-75@0-Ant
0-13.507-14.490≤15-PASS

1-N5-15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant0-1
4.125-15.120≤15-PASS



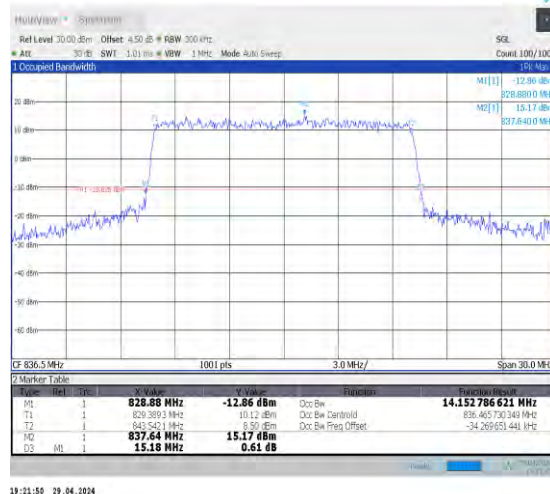
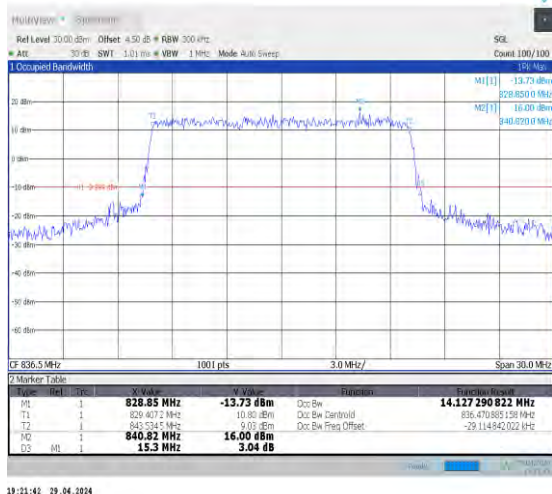
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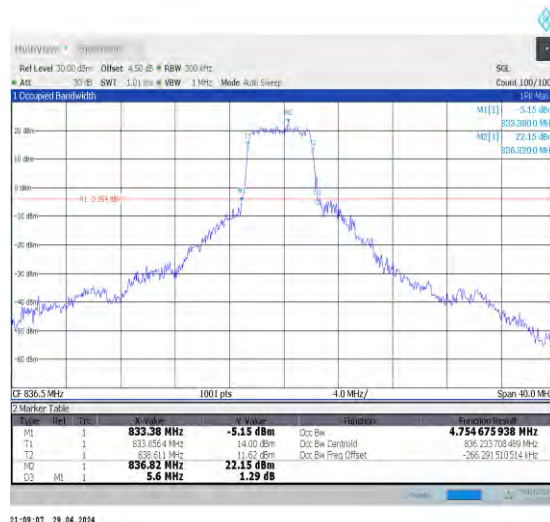
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1-N5-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant0-14.153-15.180-≤15-PASS



1-N5-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant0-14.124-15.090-≤15-PASS

1-N5-15-20-M-1-DFT-QPSK-Outer_Full-100@0-Ant0-4.755-5.600-≤20-PASS



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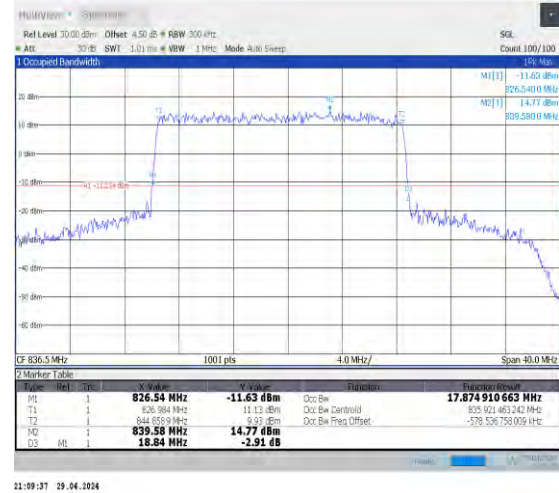
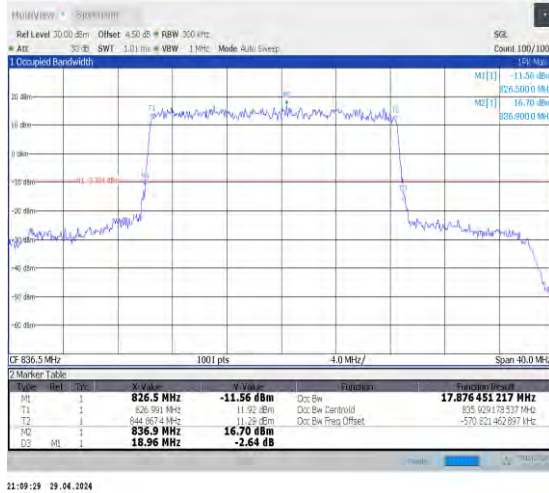
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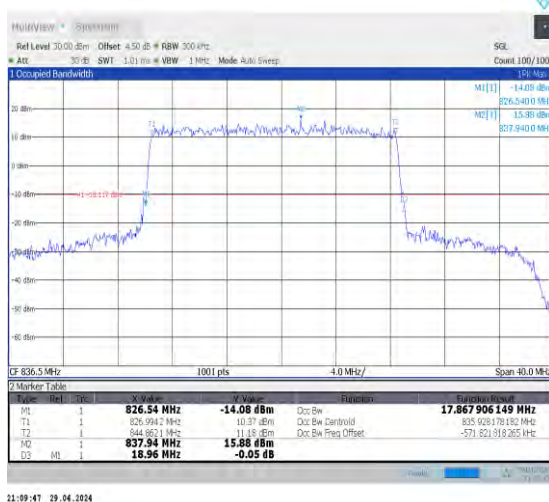
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Page: 19 of 40



1-N5-15-20-M-2-DFT-PI2BPSK-Outer_Full-100@0-A
nt0-17.876-18.960-≤20-PASS

1-N5-15-20-M-3-DFT-16QAM-Outer_Full-100@0-Ant
0-17.875-18.840-≤20-PASS



1-N5-15-20-M-4-DFT-64QAM-Outer_Full-100@0-Ant
0-17.868-18.960-≤20-PASS

1-N5-15-20-M-5-DFT-256QAM-Outer_Full-100@0-A
nt0-17.825-18.920-≤20-PASS



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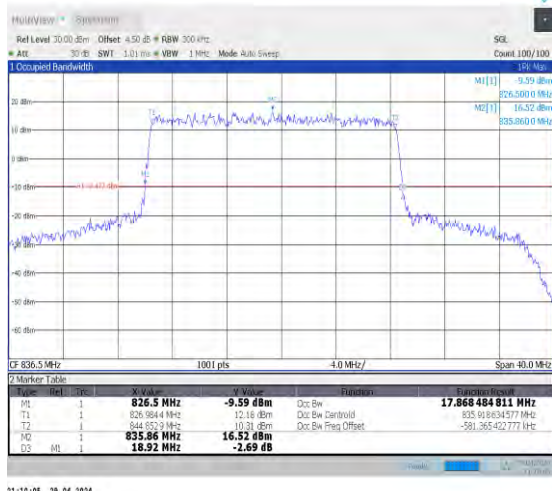
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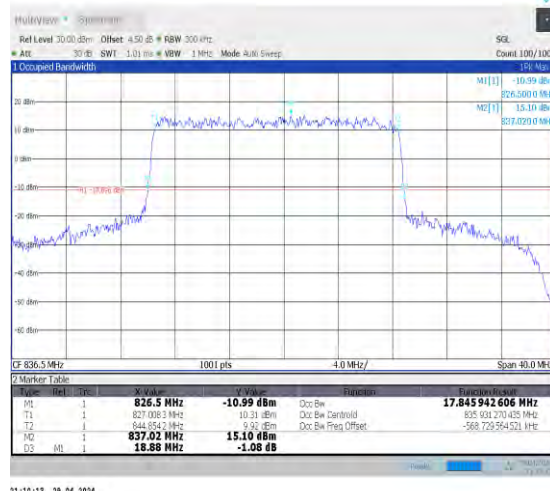
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Rev.: 01

Page: 20 of 40



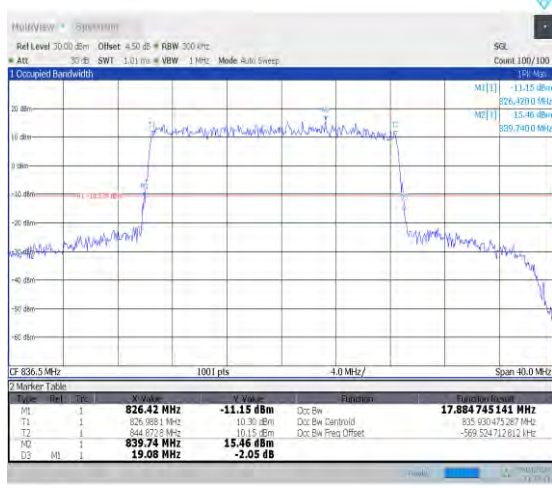
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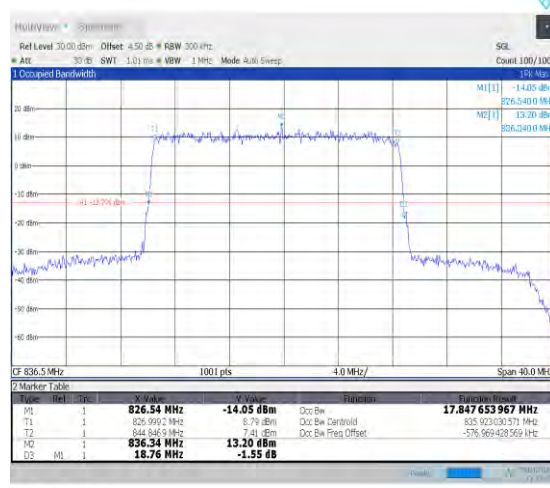
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1-N5-15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant0-
17.868-18.920-≤20-PASS

1-N5-15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant
0-17.846-18.880-≤20-PASS



21:10:21 29.04.2024



21:10:29 29.04.2024

1-N5-15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant0
-17.885-19.080-≤20-PASS

1-N5-15-20-M-9-CP-256QAM-Outer_Full-106@0-Ant
t0-17.848-18.760-≤20-PASS



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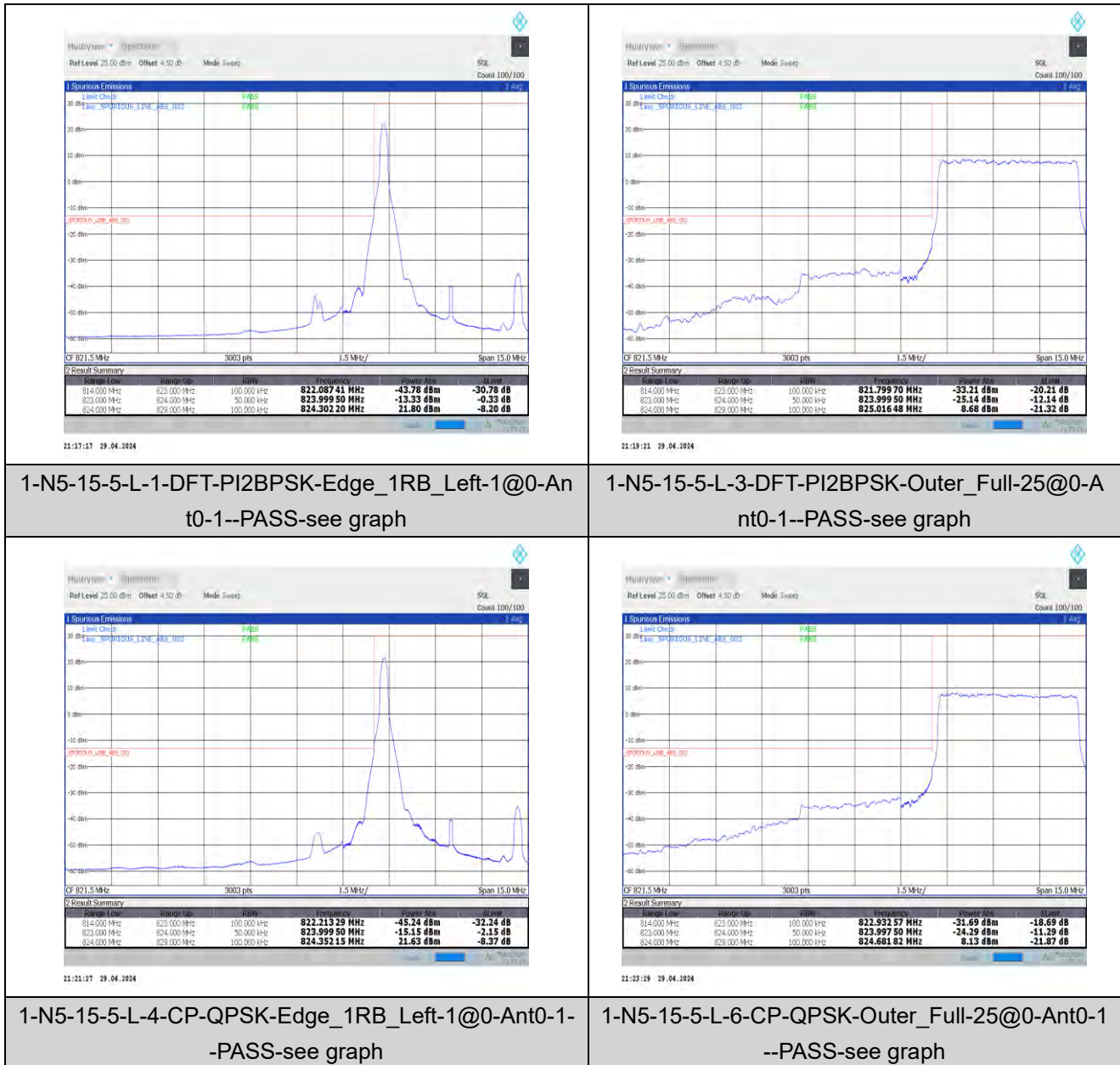
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Test Graphs



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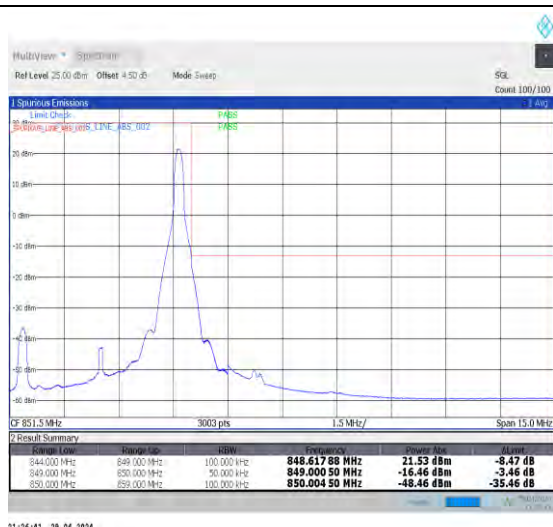
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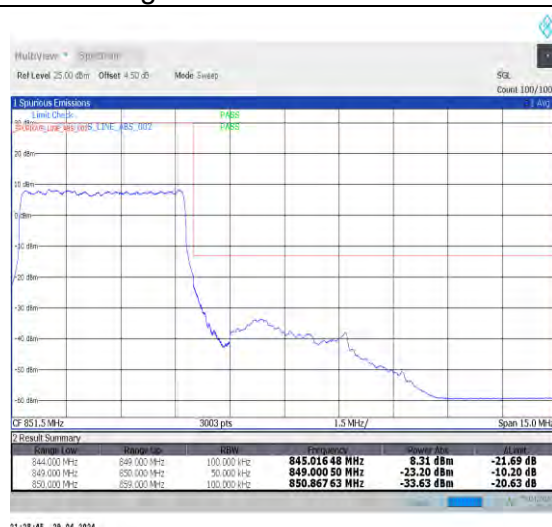
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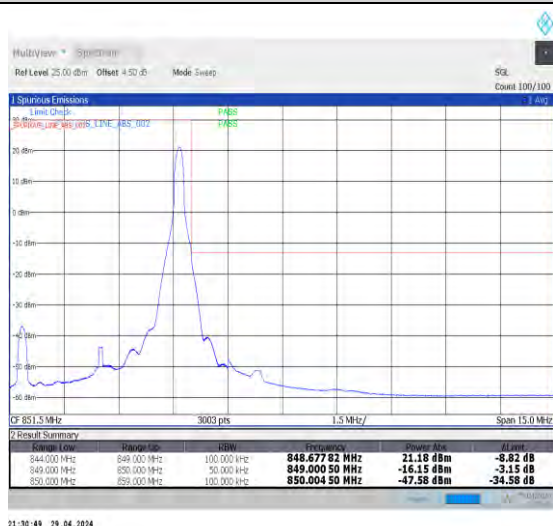
Page: 22 of 40



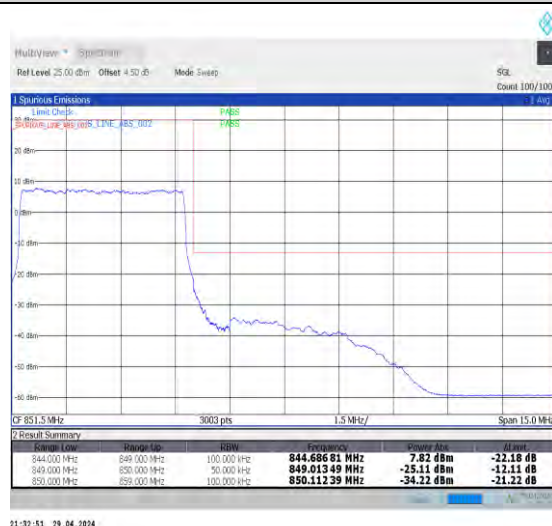
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1-N5-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant0-1--PASS-see graph



1-N5-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant0-1--PASS-see graph



1-N5-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant0-1--PASS-see graph



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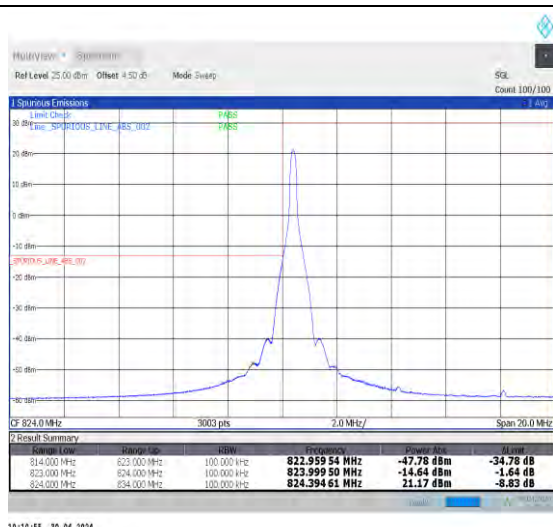
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Rev.: 01

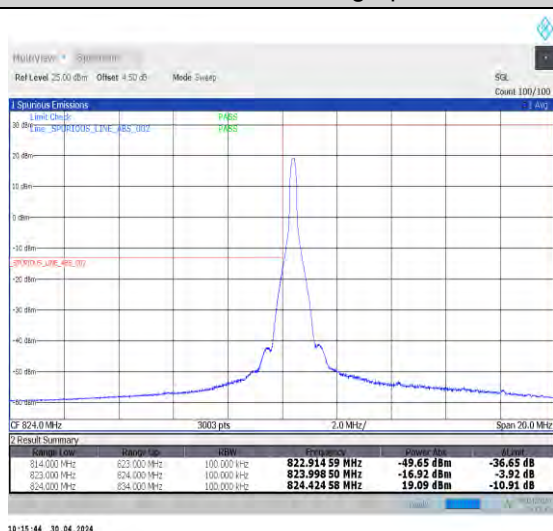
Page: 23 of 40



1-N5-15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-A
nt0-1--PASS-see graph



1-N5-15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-A
Ant0-1--PASS-see graph



1-N5-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-1
1--PASS-see graph



1-N5-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant0-1
1--PASS-see graph



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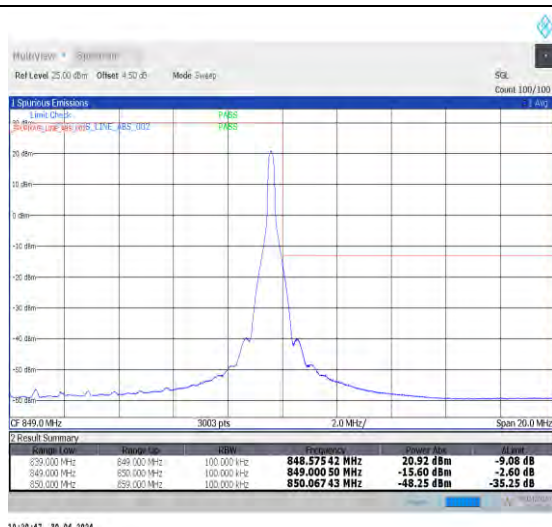
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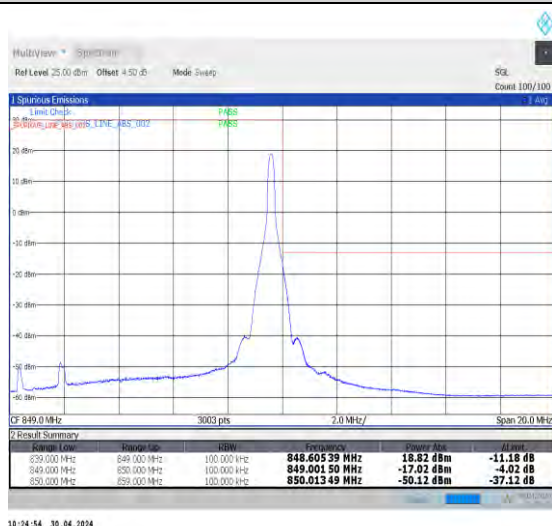
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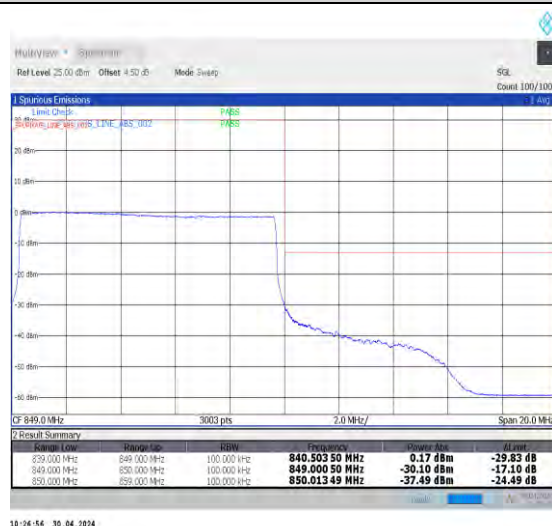
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10:14:54 30.04.2024

1-N5-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-An
t0-1--PASS-see graph



10:16:56 30.04.2024

1-N5-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant0
-1--PASS-see graph



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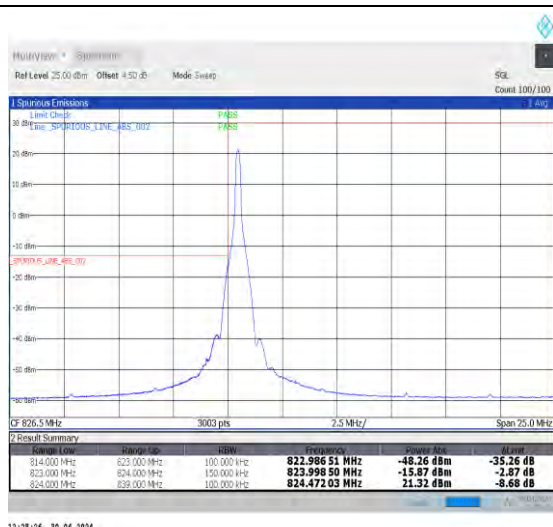
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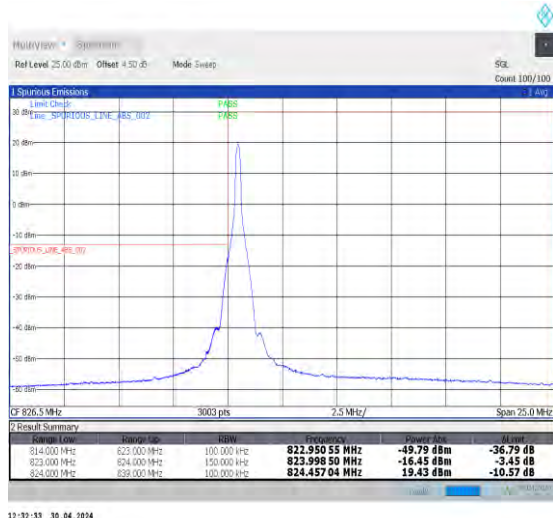
Page: 25 of 40



1-N5-15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph



1-N5-15-15-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant0-1--PASS-see graph



1-N5-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph



1-N5-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant0-1--PASS-see graph



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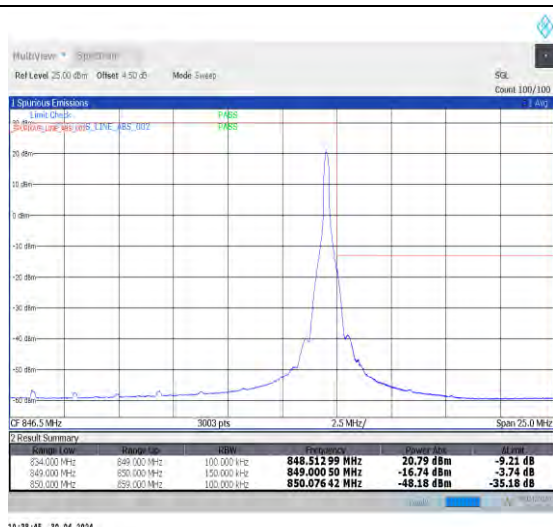
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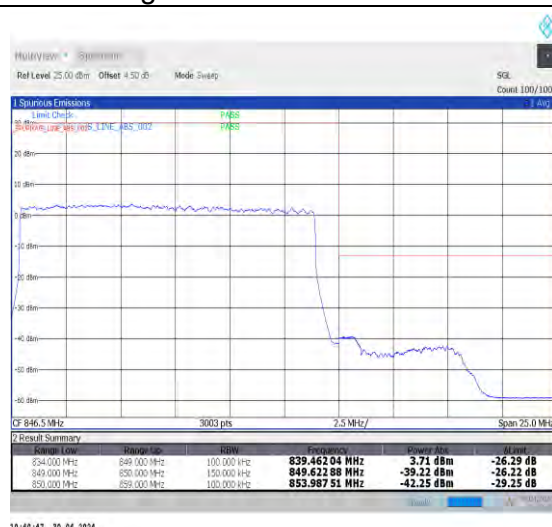
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Page: 26 of 40



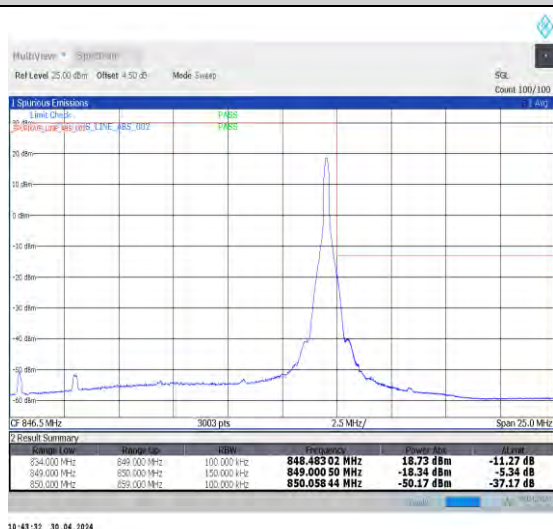
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10:40:47 30.04.2024

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10:45:34 30.04.2024

1-N5-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant0-1--PASS-see graph



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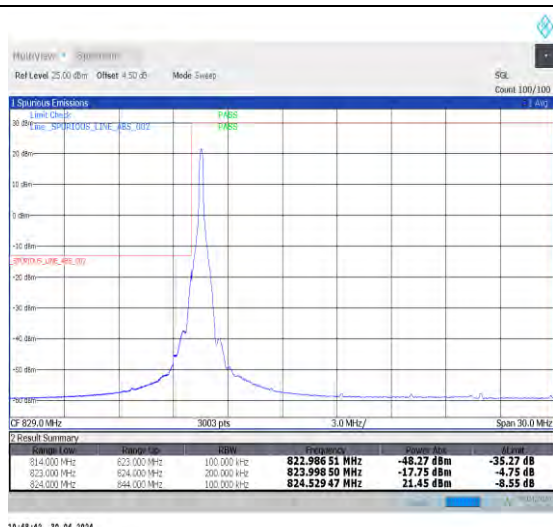
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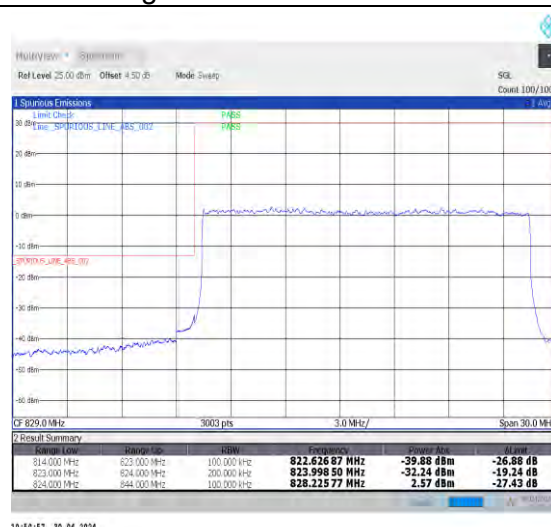
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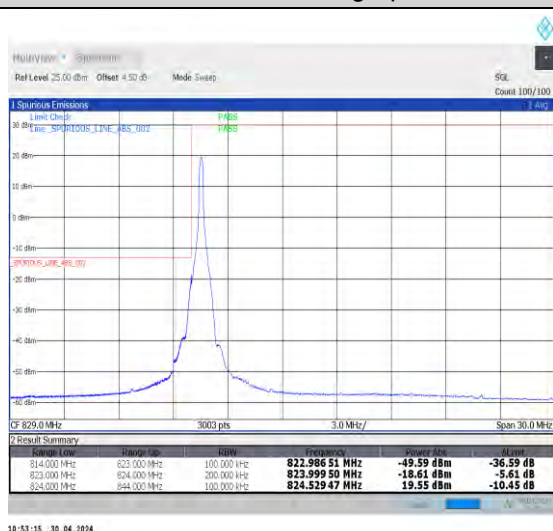
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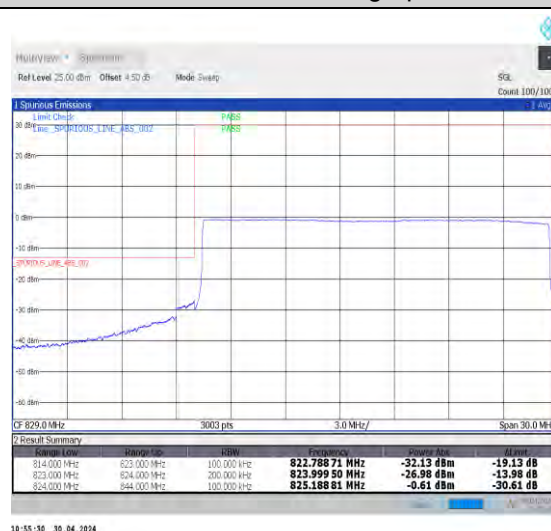
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nt0-1--PASS-see graph



1-N5-15-20-L-3-DFT-PI2BPSK-Outer_Full-100@0
-Ant0-1--PASS-see graph



1-N5-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph



1-N5-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant
0-1--PASS-see graph



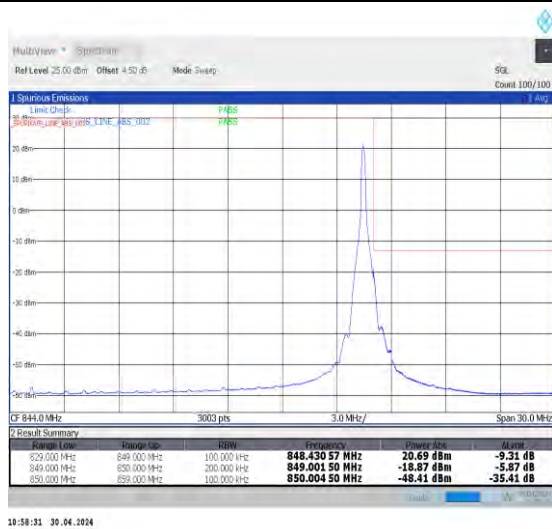
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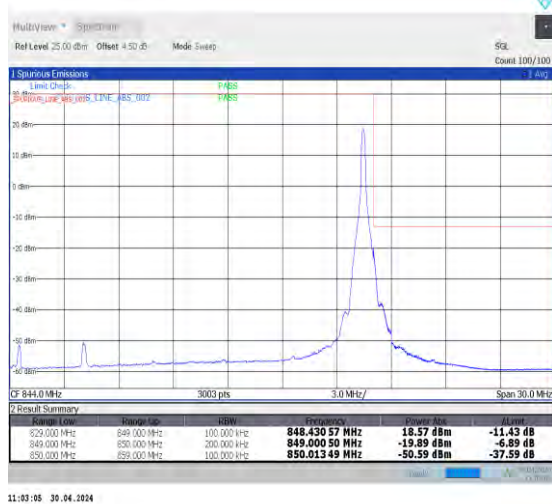
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1-N5-15-20-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant0-1--PASS-see graph



1-N5-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant0-1--PASS-see graph



1-N5-15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant0-1--PASS-see graph



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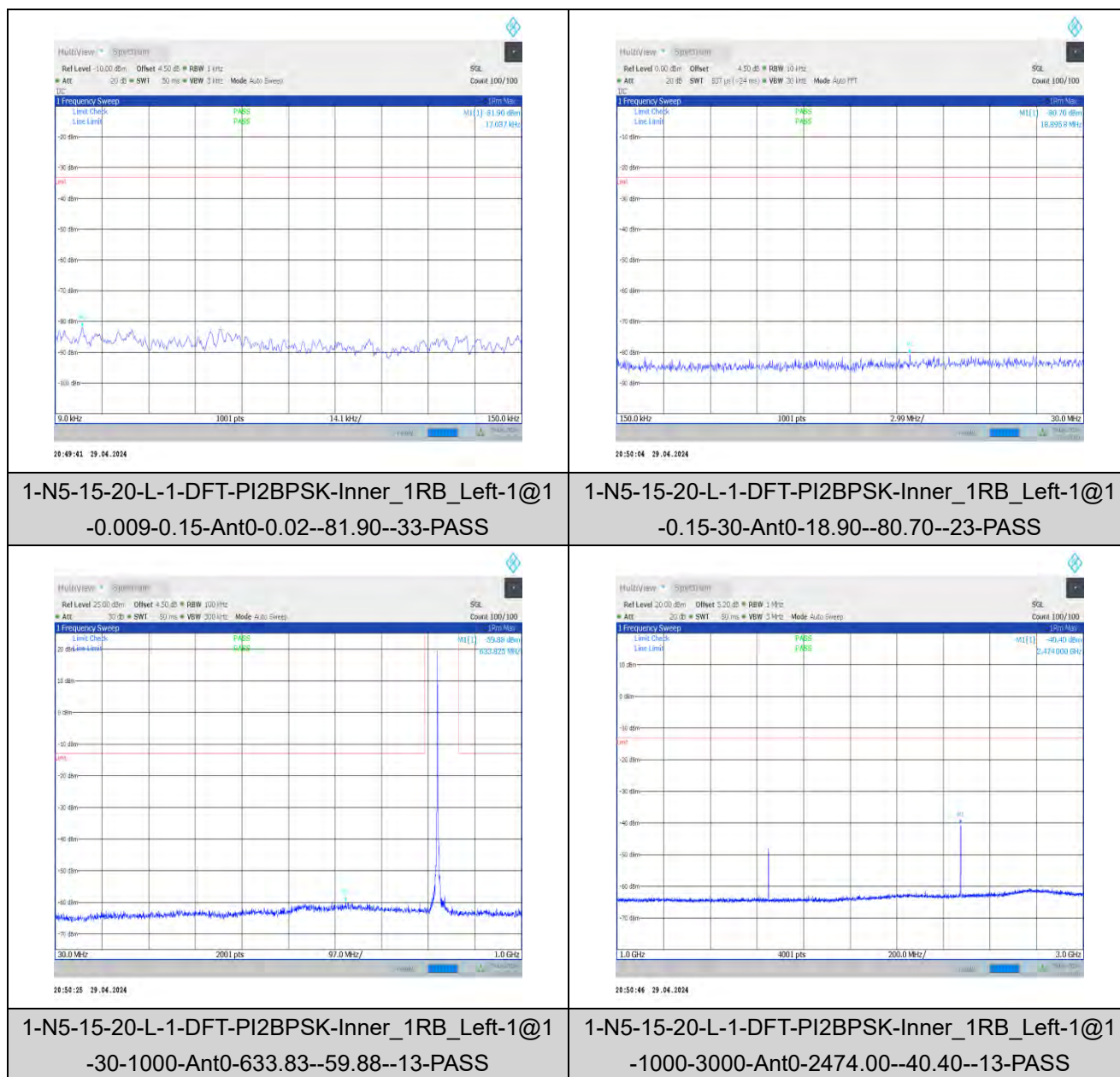
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Conducted Spurious Emission for SA

Test Graphs



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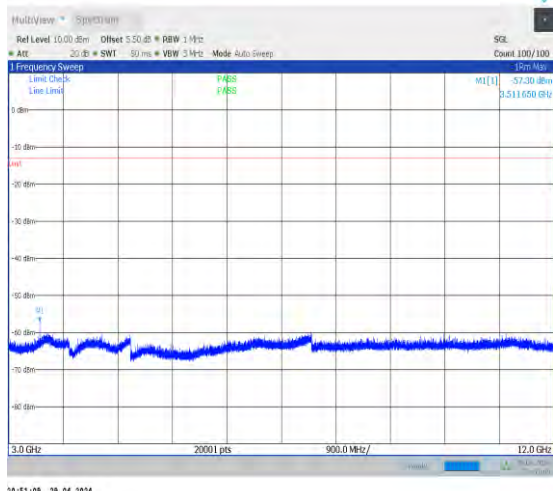
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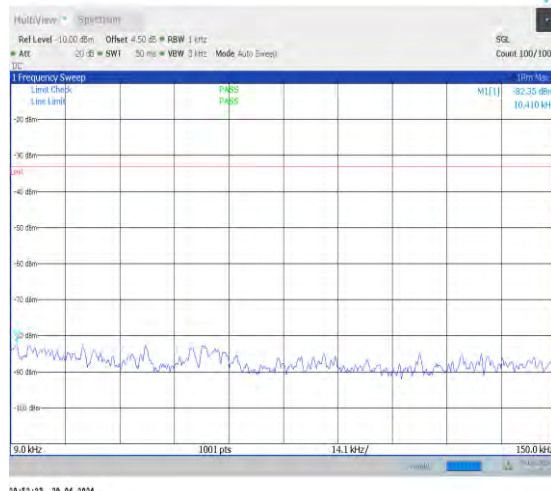
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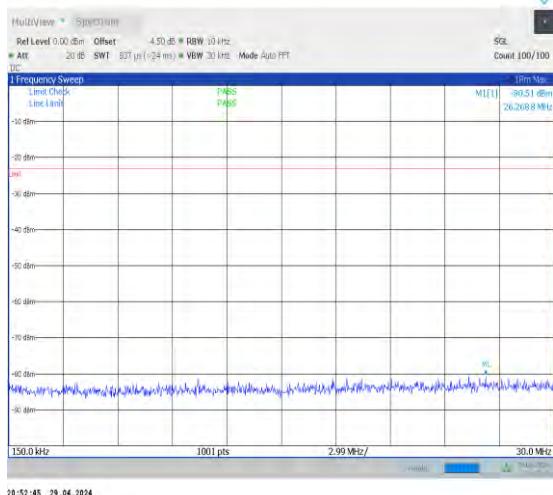
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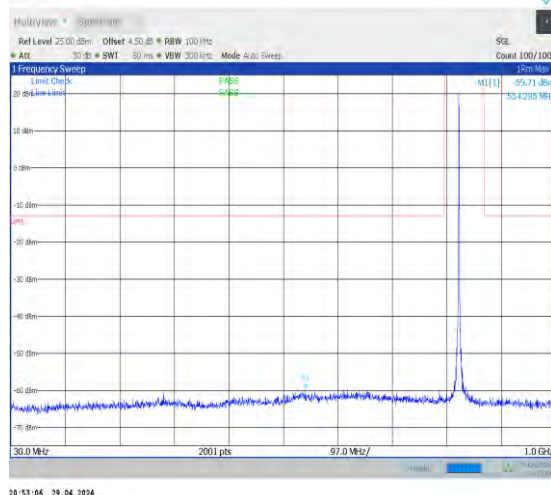
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1-N5-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-0.009-0.15-Ant0-0.01--82.35--33-PASS



1-N5-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-0.15-30-Ant0-26.27--80.51--23-PASS



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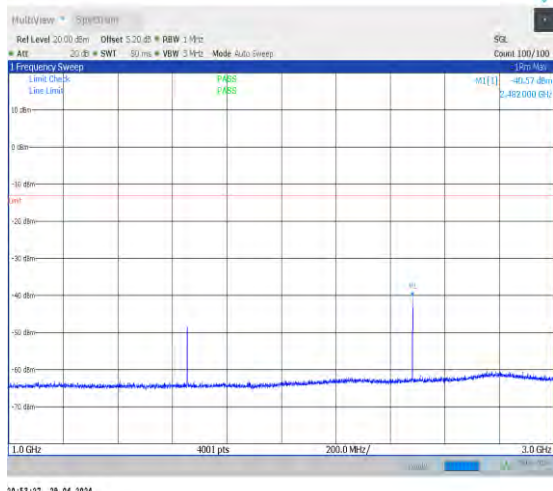
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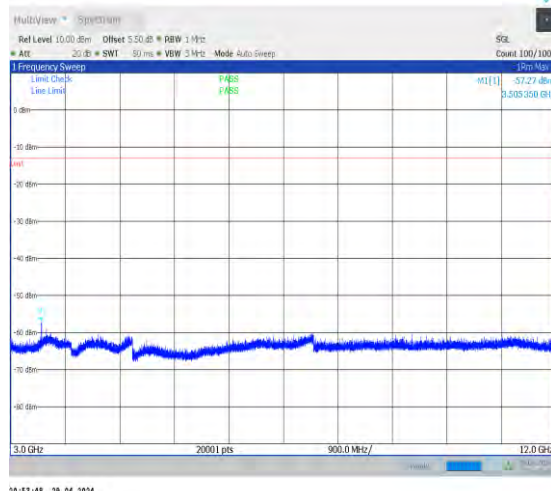
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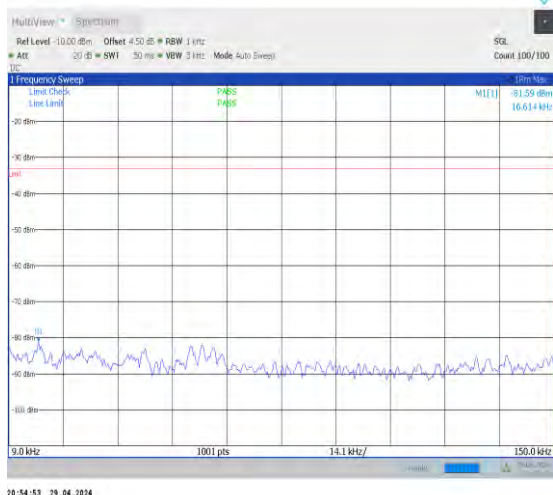
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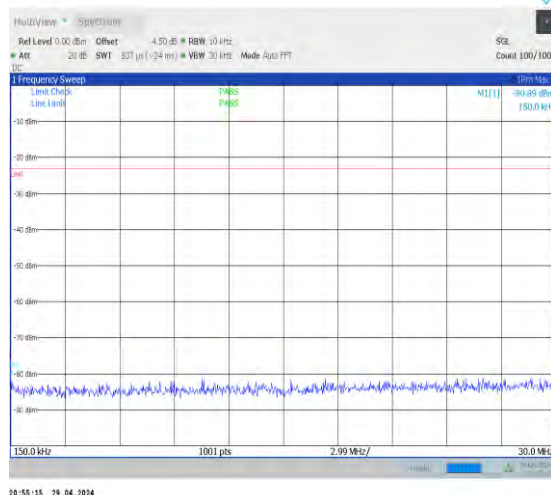
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1-N5-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1
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1-N5-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1
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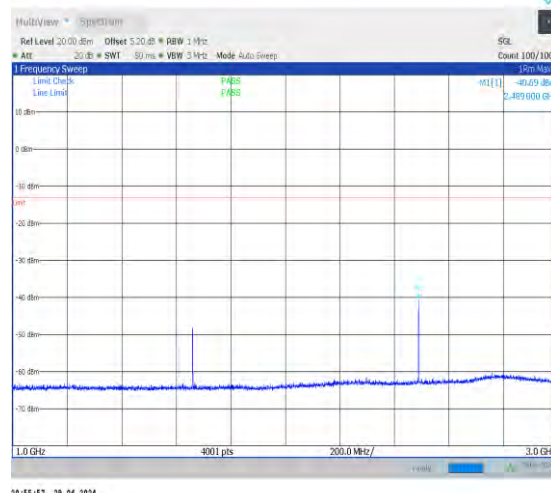
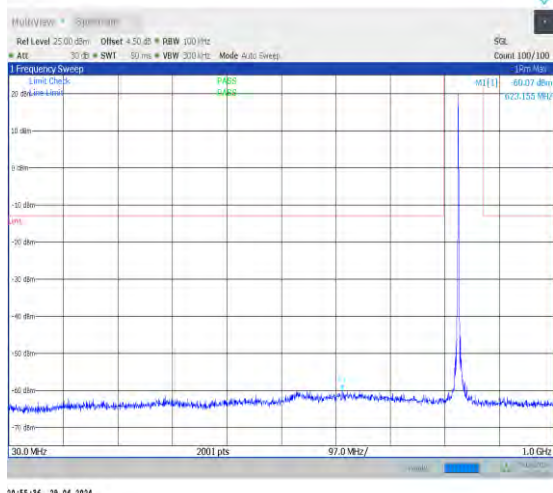
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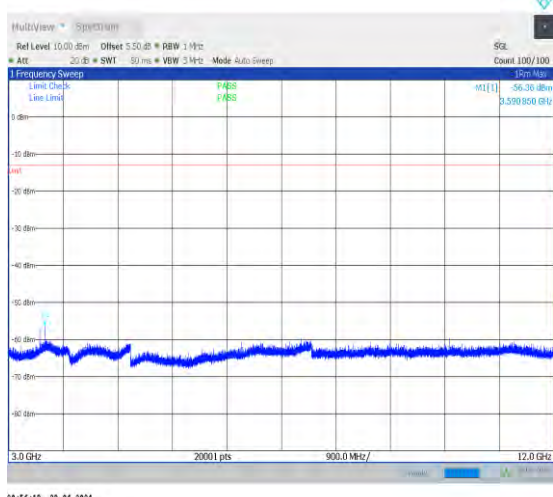
Rev.: 01

Page: 32 of 40



1-N5-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1
-30-1000-Ant0-623.16--60.07--13-PASS

1-N5-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1
-1000-3000-Ant0-2489.00--40.69--13-PASS



1-N5-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1
-3000-12000-Ant0-3590.85--56.36--13-PASS



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Report No.: SUCR240400009002

Rev.: 01

Page: 33 of 40

Field Strength of Spurious Radiation

Test Band = SA_N5

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649	60.45	-53.12	25.90	-62.03	-13.00	49.03	Horizontal
2	2473.5	66.03	-51.87	27.95	-53.15	-13.00	40.15	Horizontal
3	3317.5	60.31	-49.92	30.35	-54.52	-13.00	41.52	Horizontal
4	5133.5	51.84	-44.93	33.57	-54.78	-13.00	41.78	Horizontal
5	9111.5	48.71	-39.89	38.75	-47.69	-13.00	34.69	Horizontal
6	9508	49.10	-39.29	39.18	-46.27	-13.00	33.27	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1176	55.51	-53.71	25.74	-67.72	-13.00	54.72	Vertical
2	2032	54.19	-52.65	26.99	-66.73	-13.00	53.73	Vertical
3	2474	54.78	-51.87	27.95	-64.40	-13.00	51.40	Vertical
4	3736	53.06	-49.20	30.44	-60.96	-13.00	47.96	Vertical
5	5058.5	51.86	-44.76	33.42	-54.74	-13.00	41.74	Vertical
6	8061	49.24	-41.20	37.58	-49.64	-13.00	36.64	Vertical



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Report No.: SUCR240400009002

Rev.: 01

Page: 34 of 40

Test Band = SA_N5
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1654	60.52	-53.12	25.89	-61.97	-13.00	48.97	Horizontal
2	2481	61.42	-51.86	27.96	-57.74	-13.00	44.74	Horizontal
3	3315	58.71	-49.90	30.40	-56.05	-13.00	43.05	Horizontal
4	5106	51.60	-44.52	33.51	-54.67	-13.00	41.67	Horizontal
5	8032.5	49.17	-41.36	37.53	-49.92	-13.00	36.92	Horizontal
6	9499	49.10	-39.29	39.20	-46.25	-13.00	33.25	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1776.5	57.15	-53.13	25.61	-65.63	-13.00	52.63	Vertical
2	2518	54.74	-51.74	28.11	-64.15	-13.00	51.15	Vertical
3	3734.5	52.87	-49.21	30.44	-61.16	-13.00	48.16	Vertical
4	5094	51.31	-44.48	33.49	-54.94	-13.00	41.94	Vertical
5	8048.5	49.41	-41.09	37.59	-49.35	-13.00	36.35	Vertical
6	9516.5	49.17	-39.31	39.17	-46.23	-13.00	33.23	Vertical



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Rev.: 01

Page: 35 of 40

Test Band = SA_N5
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1658.5	56.56	-53.13	25.88	-65.95	-13.00	52.95	Horizontal
2	2489	62.24	-51.84	27.98	-56.88	-13.00	43.88	Horizontal
3	3314.5	59.75	-49.90	30.41	-55.00	-13.00	42.00	Horizontal
4	4364	52.67	-46.59	31.98	-57.20	-13.00	44.20	Horizontal
5	7221	49.46	-43.23	37.14	-51.89	-13.00	38.89	Horizontal
6	9502.5	48.77	-39.28	39.20	-46.57	-13.00	33.57	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1769	60.26	-53.17	25.58	-62.59	-13.00	49.59	Vertical
2	2355	53.60	-52.07	27.89	-65.84	-13.00	52.84	Vertical
3	3514	53.49	-49.67	29.88	-61.56	-13.00	48.56	Vertical
4	4802	51.83	-44.45	32.42	-55.46	-13.00	42.46	Vertical
5	6686.5	50.21	-43.96	35.88	-53.13	-13.00	40.13	Vertical
6	9086.5	48.90	-39.73	38.70	-47.39	-13.00	34.39	Vertical



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Rev.: 01

Page: 36 of 40

Test Band = NSA_B2+N5

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2474	39.98	-17.46	27.95	-44.79	-13.00	31.79	Horizontal
2	4609	52.90	-47.71	32.08	-57.99	-13.00	44.99	Horizontal
3	6770.5	50.33	-44.36	36.24	-53.05	-13.00	40.05	Horizontal
4	9505	49.17	-40.64	39.19	-47.54	-13.00	34.54	Horizontal
5	12456.5	47.33	-37.52	39.54	-45.91	-13.00	32.91	Horizontal
6	17520.5	48.78	-38.04	41.18	-43.34	-13.00	30.34	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3756	56.02	-49.48	30.50	-58.22	-13.00	45.22	Vertical
2	5135	52.41	-47.27	33.57	-56.55	-13.00	43.55	Vertical
3	7123	50.62	-44.10	36.99	-51.75	-13.00	38.75	Vertical
4	9467.5	49.45	-40.91	39.07	-47.65	-13.00	34.65	Vertical
5	13435	46.83	-36.44	40.23	-44.64	-13.00	31.64	Vertical
6	17911.5	48.58	-38.22	42.27	-42.63	-13.00	29.63	Vertical



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Page: 37 of 40

Test Band = NSA_B2+N5

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2481.1851	39.19	-17.57	27.96	-45.68	-13.00	32.68	Horizontal
2	3633.0317	53.62	-49.52	30.33	-60.83	-13.00	47.83	Horizontal
3	4824.8412	52.39	-47.73	32.60	-58.00	-13.00	45.00	Horizontal
4	6968.4484	50.33	-44.16	36.44	-52.65	-13.00	39.65	Horizontal
5	9483.3242	48.57	-40.75	39.13	-48.31	-13.00	35.31	Horizontal
6	17985.7493	48.36	-38.97	42.71	-43.16	-13.00	30.16	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3755.2878	55.43	-49.47	30.50	-58.80	-13.00	45.80	Vertical
2	5052.1026	51.53	-47.46	33.40	-57.79	-13.00	44.79	Vertical
3	7024.7012	50.27	-44.16	36.40	-52.75	-13.00	39.75	Vertical
4	9491.5746	48.93	-40.66	39.17	-47.82	-13.00	34.82	Vertical
5	11345.6673	47.57	-38.76	39.65	-46.80	-13.00	33.80	Vertical
6	17989.4995	48.44	-38.98	42.74	-43.06	-13.00	30.06	Vertical



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Rev.: 01

Page: 38 of 40

Test Band = NSA_B2+N5
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3779.5	53.52	-49.57	30.50	-60.81	-13.00	47.81	Horizontal
2	5824.5	51.18	-45.91	34.10	-55.89	-13.00	42.89	Horizontal
3	6268	51.81	-45.14	34.51	-54.08	-13.00	41.08	Horizontal
4	8546.5	49.55	-41.43	39.02	-48.12	-13.00	35.12	Horizontal
5	14528.5	46.83	-35.73	40.57	-43.59	-13.00	30.59	Horizontal
6	17993	48.70	-38.98	42.76	-42.78	-13.00	29.78	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1960	38.61	-18.16	26.24	-48.57	-13.00	35.57	Vertical
2	3756	55.44	-49.48	30.50	-58.80	-13.00	45.80	Vertical
3	4803	52.53	-47.71	32.42	-58.02	-13.00	45.02	Vertical
4	7111.5	51.01	-44.03	36.95	-51.33	-13.00	38.33	Vertical
5	8533	49.74	-41.70	38.69	-48.53	-13.00	35.53	Vertical
6	17997.5	48.51	-38.99	42.79	-42.95	-13.00	29.95	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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Rev.: 01

Page: 39 of 40

Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage											
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-11.400000	-0.013628	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-3.600000	-0.004304	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-39.300000	-0.046981	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VH	NT	-4.400000	-0.005260	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VN	NT	-3.800000	-0.004543	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VL	NT	-20.700000	-0.024746	±2.5	PASS



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Frequency Error VS. Temperature

Temperature											
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-11.300000	-0.013509	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-12.100000	-0.014465	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-9.100000	-0.010879	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-8.000000	-0.009564	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	2.200000	0.002630	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-2.200000	-0.002630	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-1.700000	-0.002032	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	-10.700000	-0.012791	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	4.000000	0.004782	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	50	1.500000	0.001793	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-20	-7.100000	-0.008488	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-10	-5.000000	-0.005977	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	0	-7.800000	-0.009325	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	10	-10.700000	-0.012791	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	20	-7.300000	-0.008727	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	30	-4.600000	-0.005499	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	40	-3.900000	-0.004662	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-30	-5.900000	-0.007053	±2.5	PASS

---End of Attachment---



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