



Report No.: SEWA2309000114RG02

Rev.: 01

Page: 1 of 56

Appendix B.29

NR Band n5



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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号厂房南部 邮编：215000

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

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

Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit (dBm)	Verdict
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	24.51	25.04	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	24.44	24.97	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Outer_Full	24.01	24.54	38.45	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Left	24.36	24.89	38.45	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Right	24.31	24.84	38.45	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	23.52	24.05	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Left	23.41	23.94	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Right	23.35	23.88	38.45	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	22.54	23.07	38.45	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Left	22.18	22.71	38.45	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Right	22.17	22.7	38.45	PASS
N5	15	5	DFT-64QAM	L	Outer_Full	22.04	22.57	38.45	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Left	19.54	20.07	38.45	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Right	19.49	20.02	38.45	PASS
N5	15	5	DFT-256QAM	L	Outer_Full	19.99	20.52	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	24.29	24.82	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	24.30	24.83	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	23.84	24.37	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Left	24.16	24.69	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Right	24.19	24.72	38.45	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	23.31	23.84	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Left	23.31	23.84	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Right	23.24	23.77	38.45	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	22.35	22.88	38.45	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Left	22.00	22.53	38.45	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Right	21.96	22.49	38.45	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	21.82	22.35	38.45	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Left	19.22	19.75	38.45	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Right	19.28	19.81	38.45	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	19.72	20.25	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	24.20	24.73	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	24.22	24.75	38.45	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

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Report No.: SEWA2309000114RG02

Rev.: 01

Page: 3 of 56

N5	15	5	DFT-PI2BPSK	H	Outer_Full	23.65	24.18	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Left	24.09	24.62	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Right	24.22	24.75	38.45	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	23.20	23.73	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Left	23.16	23.69	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Right	23.23	23.76	38.45	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	22.15	22.68	38.45	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Left	21.95	22.48	38.45	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Right	21.99	22.52	38.45	PASS
N5	15	5	DFT-64QAM	H	Outer_Full	21.63	22.16	38.45	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Left	19.21	19.74	38.45	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Right	19.26	19.79	38.45	PASS
N5	15	5	DFT-256QAM	H	Outer_Full	19.63	20.16	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	24.43	24.96	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	24.23	24.76	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Outer_Full	23.98	24.51	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Left	24.34	24.87	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Right	24.24	24.77	38.45	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	23.45	23.98	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Left	23.34	23.87	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Right	23.27	23.8	38.45	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	22.43	22.96	38.45	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Left	22.22	22.75	38.45	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Right	22.00	22.53	38.45	PASS
N5	15	10	DFT-64QAM	L	Outer_Full	21.99	22.52	38.45	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Left	19.49	20.02	38.45	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Right	19.27	19.8	38.45	PASS
N5	15	10	DFT-256QAM	L	Outer_Full	19.83	20.36	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	24.31	24.84	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	24.19	24.72	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	23.82	24.35	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Left	24.28	24.81	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Right	24.21	24.74	38.45	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	23.32	23.85	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Left	23.24	23.77	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Right	23.14	23.67	38.45	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	22.31	22.84	38.45	PASS
N5	15	10	DFT-64QAM	M	Inner_1RB_Left	22.03	22.56	38.45	PASS



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Report No.: SEWA2309000114RG02

Rev.: 01

Page: 4 of 56

N5	15	10	DFT-64QAM	M	Inner_1RB_Right	22.06	22.59	38.45	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	21.85	22.38	38.45	PASS
N5	15	10	DFT-256QAM	M	Inner_1RB_Left	19.30	19.83	38.45	PASS
N5	15	10	DFT-256QAM	M	Inner_1RB_Right	19.28	19.81	38.45	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	19.75	20.28	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	24.20	24.73	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	24.24	24.77	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Outer_Full	23.79	24.32	38.45	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Left	24.07	24.6	38.45	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Right	24.13	24.66	38.45	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	23.25	23.78	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Left	23.07	23.6	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Right	23.13	23.66	38.45	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	22.16	22.69	38.45	PASS
N5	15	10	DFT-64QAM	H	Inner_1RB_Left	21.94	22.47	38.45	PASS
N5	15	10	DFT-64QAM	H	Inner_1RB_Right	21.95	22.48	38.45	PASS
N5	15	10	DFT-64QAM	H	Outer_Full	21.83	22.36	38.45	PASS
N5	15	10	DFT-256QAM	H	Inner_1RB_Left	19.18	19.71	38.45	PASS
N5	15	10	DFT-256QAM	H	Inner_1RB_Right	19.24	19.77	38.45	PASS
N5	15	10	DFT-256QAM	H	Outer_Full	19.73	20.26	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	24.53	25.06	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	24.26	24.79	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Outer_Full	24.02	24.55	38.45	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Left	24.48	25.01	38.45	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Right	24.20	24.73	38.45	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	23.49	24.02	38.45	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Left	23.49	24.02	38.45	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Right	23.23	23.76	38.45	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	22.52	23.05	38.45	PASS
N5	15	15	DFT-64QAM	L	Inner_1RB_Left	22.39	22.92	38.45	PASS
N5	15	15	DFT-64QAM	L	Inner_1RB_Right	21.97	22.5	38.45	PASS
N5	15	15	DFT-64QAM	L	Outer_Full	22.03	22.56	38.45	PASS
N5	15	15	DFT-256QAM	L	Inner_1RB_Left	19.65	20.18	38.45	PASS
N5	15	15	DFT-256QAM	L	Inner_1RB_Right	19.31	19.84	38.45	PASS
N5	15	15	DFT-256QAM	L	Outer_Full	19.92	20.45	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	24.50	25.03	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	24.23	24.76	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	23.93	24.46	38.45	PASS



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Report No.: SEWA2309000114RG02

Rev.: 01

Page: 5 of 56

N5	15	15	DFT-QPSK	M	Inner_1RB_Left	24.39	24.92	38.45	PASS
N5	15	15	DFT-QPSK	M	Inner_1RB_Right	24.17	24.7	38.45	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	23.41	23.94	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Left	23.39	23.92	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Right	23.14	23.67	38.45	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	22.46	22.99	38.45	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Left	22.27	22.8	38.45	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Right	22.01	22.54	38.45	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	21.95	22.48	38.45	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Left	19.57	20.1	38.45	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Right	19.32	19.85	38.45	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	19.87	20.4	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	24.43	24.96	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	24.22	24.75	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Outer_Full	23.85	24.38	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Left	24.33	24.86	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Right	24.10	24.63	38.45	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	23.32	23.85	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Left	23.34	23.87	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Right	23.12	23.65	38.45	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	22.35	22.88	38.45	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Left	21.91	22.44	38.45	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Right	21.92	22.45	38.45	PASS
N5	15	15	DFT-64QAM	H	Outer_Full	21.86	22.39	38.45	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Left	19.44	19.97	38.45	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Right	19.20	19.73	38.45	PASS
N5	15	15	DFT-256QAM	H	Outer_Full	19.75	20.28	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	24.59	25.12	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	24.24	24.77	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Outer_Full	24.04	24.57	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Left	24.47	25	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Right	24.13	24.66	38.45	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	23.60	24.13	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Left	23.48	24.01	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Right	23.14	23.67	38.45	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	22.49	23.02	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Left	22.31	22.84	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Right	22.03	22.56	38.45	PASS



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Report No.: SEWA2309000114RG02

Rev.: 01

Page: 6 of 56

N5	15	20	DFT-64QAM	L	Outer_Full	22.07	22.6	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Left	19.64	20.17	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Right	19.43	19.96	38.45	PASS
N5	15	20	DFT-256QAM	L	Outer_Full	20.03	20.56	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	24.51	25.04	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	24.14	24.67	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	23.91	24.44	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Left	24.39	24.92	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Right	24.11	24.64	38.45	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	23.46	23.99	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Left	23.41	23.94	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Right	23.18	23.71	38.45	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	22.45	22.98	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Left	22.19	22.72	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Right	21.86	22.39	38.45	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	22.03	22.56	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Left	19.53	20.06	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Right	19.25	19.78	38.45	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	19.96	20.49	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	24.41	24.94	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	24.13	24.66	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Outer_Full	23.88	24.41	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Left	24.27	24.8	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Right	24.00	24.53	38.45	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	23.42	23.95	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Left	23.39	23.92	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Right	23.15	23.68	38.45	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	22.40	22.93	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Left	22.16	22.69	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Right	21.87	22.4	38.45	PASS
N5	15	20	DFT-64QAM	H	Outer_Full	21.87	22.4	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Left	19.56	20.09	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Right	19.23	19.76	38.45	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	19.86	20.39	38.45	PASS



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Report No.: SEWA2309000114RG02
 Rev.: 01
 Page: 7 of 56

Peak-to-Average Ratio for SA

Peak-to-Average Ratio(PAPR)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N5	15	20	DFT-256QAM	L	Outer_Full	100%	0.00	8.75	≤13	PASS
N5	15	20	CP-256QAM	L	Outer_Full	100%	0.00	9.78	≤13	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	100%	0.00	9.86	≤13	PASS
N5	15	20	CP-256QAM	M	Outer_Full	100%	0.00	9.46	≤13	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	100%	0.00	8.72	≤13	PASS
N5	15	20	CP-256QAM	H	Outer_Full	100%	0.00	9.62	≤13	PASS



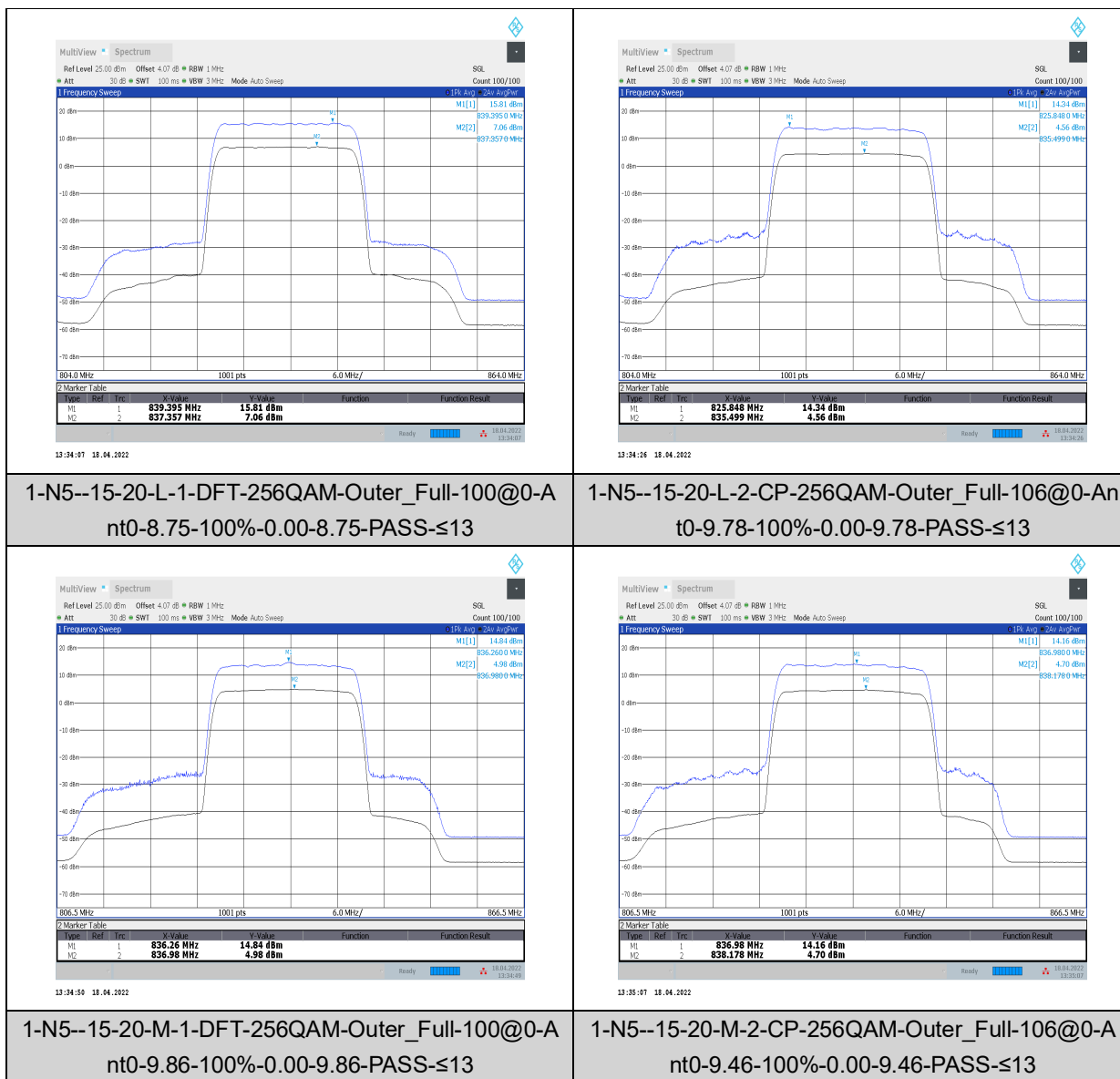
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Report No.: SEWA2309000114RG02
Rev.: 01
Page: 8 of 56

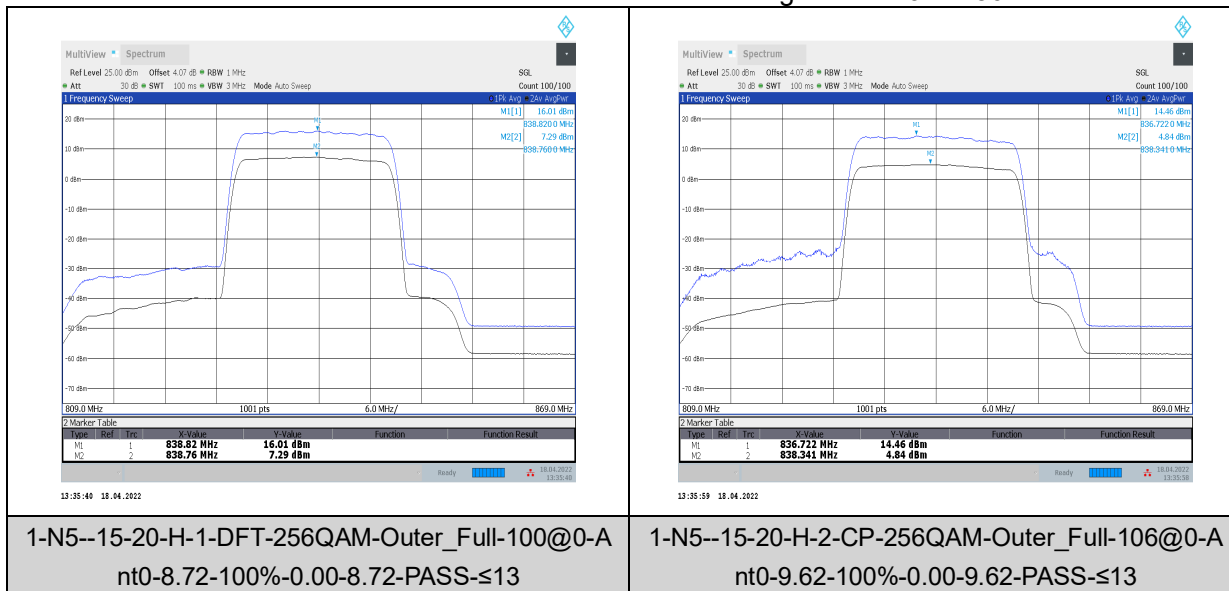
Test Graphs



Report No.: SEWA2309000114RG02

Rev.: 01

Page: 9 of 56



Report No.: SEWA2309000114RG02
 Rev.: 01
 Page: 10 of 56

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	L	Outer_Full	4.479	4.920	PASS
N5	15	5	DFT-PI2BPSK	L	Outer_Full	4.493	5.140	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	4.477	5.080	PASS
N5	15	5	DFT-64QAM	L	Outer_Full	4.478	5.100	PASS
N5	15	5	DFT-256QAM	L	Outer_Full	4.475	5.040	PASS
N5	15	5	CP-QPSK	L	Outer_Full	4.493	5.190	PASS
N5	15	5	CP-16QAM	L	Outer_Full	4.483	5.170	PASS
N5	15	5	CP-64QAM	L	Outer_Full	4.486	5.260	PASS
N5	15	5	CP-256QAM	L	Outer_Full	4.489	5.140	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	4.487	5.050	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	4.474	5.100	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	4.48	5.030	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	4.489	5.100	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	4.483	5.080	PASS
N5	15	5	CP-QPSK	M	Outer_Full	4.474	5.140	PASS
N5	15	5	CP-16QAM	M	Outer_Full	4.49	5.140	PASS
N5	15	5	CP-64QAM	M	Outer_Full	4.481	5.160	PASS
N5	15	5	CP-256QAM	M	Outer_Full	4.49	5.160	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	4.488	5.030	PASS
N5	15	5	DFT-PI2BPSK	H	Outer_Full	4.476	5.100	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	4.472	5.090	PASS
N5	15	5	DFT-64QAM	H	Outer_Full	4.482	5.140	PASS
N5	15	5	DFT-256QAM	H	Outer_Full	4.491	5.120	PASS
N5	15	5	CP-QPSK	H	Outer_Full	4.482	5.170	PASS
N5	15	5	CP-16QAM	H	Outer_Full	4.492	5.200	PASS
N5	15	5	CP-64QAM	H	Outer_Full	4.483	5.190	PASS
N5	15	5	CP-256QAM	H	Outer_Full	4.493	5.140	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	8.944	9.680	PASS
N5	15	10	DFT-PI2BPSK	L	Outer_Full	8.939	9.820	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	8.952	9.740	PASS
N5	15	10	DFT-64QAM	L	Outer_Full	8.942	9.760	PASS
N5	15	10	DFT-256QAM	L	Outer_Full	8.95	9.740	PASS



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Report No.: SEWA2309000114RG02

Rev.: 01

Page: 11 of 56

N5	15	10	CP-QPSK	L	Outer_Full	9.312	10.280	PASS
N5	15	10	CP-16QAM	L	Outer_Full	9.288	10.200	PASS
N5	15	10	CP-64QAM	L	Outer_Full	9.307	10.160	PASS
N5	15	10	CP-256QAM	L	Outer_Full	9.298	10.140	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	8.929	9.740	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	8.952	9.700	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	8.943	9.600	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	8.928	9.760	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	8.933	9.680	PASS
N5	15	10	CP-QPSK	M	Outer_Full	9.297	10.240	PASS
N5	15	10	CP-16QAM	M	Outer_Full	9.275	10.160	PASS
N5	15	10	CP-64QAM	M	Outer_Full	9.3	10.180	PASS
N5	15	10	CP-256QAM	M	Outer_Full	9.287	10.120	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	8.949	9.680	PASS
N5	15	10	DFT-PI2BPSK	H	Outer_Full	8.935	9.860	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	8.946	9.640	PASS
N5	15	10	DFT-64QAM	H	Outer_Full	8.932	9.720	PASS
N5	15	10	DFT-256QAM	H	Outer_Full	8.936	9.600	PASS
N5	15	10	CP-QPSK	H	Outer_Full	9.311	10.280	PASS
N5	15	10	CP-16QAM	H	Outer_Full	9.284	10.060	PASS
N5	15	10	CP-64QAM	H	Outer_Full	9.307	10.200	PASS
N5	15	10	CP-256QAM	H	Outer_Full	9.302	10.180	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	13.496	14.430	PASS
N5	15	15	DFT-PI2BPSK	L	Outer_Full	13.437	14.550	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	13.446	14.490	PASS
N5	15	15	DFT-64QAM	L	Outer_Full	13.434	14.550	PASS
N5	15	15	DFT-256QAM	L	Outer_Full	13.427	14.400	PASS
N5	15	15	CP-QPSK	L	Outer_Full	14.139	15.330	PASS
N5	15	15	CP-16QAM	L	Outer_Full	14.128	15.150	PASS
N5	15	15	CP-64QAM	L	Outer_Full	14.162	15.240	PASS
N5	15	15	CP-256QAM	L	Outer_Full	14.15	15.240	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	13.487	14.460	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	13.398	14.460	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	13.444	14.520	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	13.407	14.460	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	13.41	14.430	PASS
N5	15	15	CP-QPSK	M	Outer_Full	14.114	15.210	PASS
N5	15	15	CP-16QAM	M	Outer_Full	14.092	15.090	PASS



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Report No.: SEWA2309000114RG02

Rev.: 01

Page: 12 of 56

N5	15	15	CP-64QAM	M	Outer_Full	14.13	15.210	PASS
N5	15	15	CP-256QAM	M	Outer_Full	14.12	15.240	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	13.482	14.430	PASS
N5	15	15	DFT-PI2BPSK	H	Outer_Full	13.396	14.310	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	13.424	14.430	PASS
N5	15	15	DFT-64QAM	H	Outer_Full	13.406	14.490	PASS
N5	15	15	DFT-256QAM	H	Outer_Full	13.418	14.520	PASS
N5	15	15	CP-QPSK	H	Outer_Full	14.112	15.300	PASS
N5	15	15	CP-16QAM	H	Outer_Full	14.098	15.180	PASS
N5	15	15	CP-64QAM	H	Outer_Full	14.129	15.120	PASS
N5	15	15	CP-256QAM	H	Outer_Full	14.121	15.240	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	17.826	18.880	PASS
N5	15	20	DFT-PI2BPSK	L	Outer_Full	17.854	18.880	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	17.883	19.000	PASS
N5	15	20	DFT-64QAM	L	Outer_Full	17.829	19.040	PASS
N5	15	20	DFT-256QAM	L	Outer_Full	17.865	19.040	PASS
N5	15	20	CP-QPSK	L	Outer_Full	18.905	20.200	PASS
N5	15	20	CP-16QAM	L	Outer_Full	18.917	20.120	PASS
N5	15	20	CP-64QAM	L	Outer_Full	18.888	20.120	PASS
N5	15	20	CP-256QAM	L	Outer_Full	18.869	20.000	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	17.801	18.880	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	17.817	18.960	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	17.843	19.000	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	17.83	18.960	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	17.809	19.040	PASS
N5	15	20	CP-QPSK	M	Outer_Full	18.902	20.160	PASS
N5	15	20	CP-16QAM	M	Outer_Full	18.884	20.120	PASS
N5	15	20	CP-64QAM	M	Outer_Full	18.897	20.120	PASS
N5	15	20	CP-256QAM	M	Outer_Full	18.887	20.080	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	17.81	18.920	PASS
N5	15	20	DFT-PI2BPSK	H	Outer_Full	17.821	18.920	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	17.845	18.960	PASS
N5	15	20	DFT-64QAM	H	Outer_Full	17.809	18.880	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	17.847	18.960	PASS
N5	15	20	CP-QPSK	H	Outer_Full	18.894	20.080	PASS
N5	15	20	CP-16QAM	H	Outer_Full	18.889	19.960	PASS
N5	15	20	CP-64QAM	H	Outer_Full	18.877	20.080	PASS
N5	15	20	CP-256QAM	H	Outer_Full	18.856	20.000	PASS



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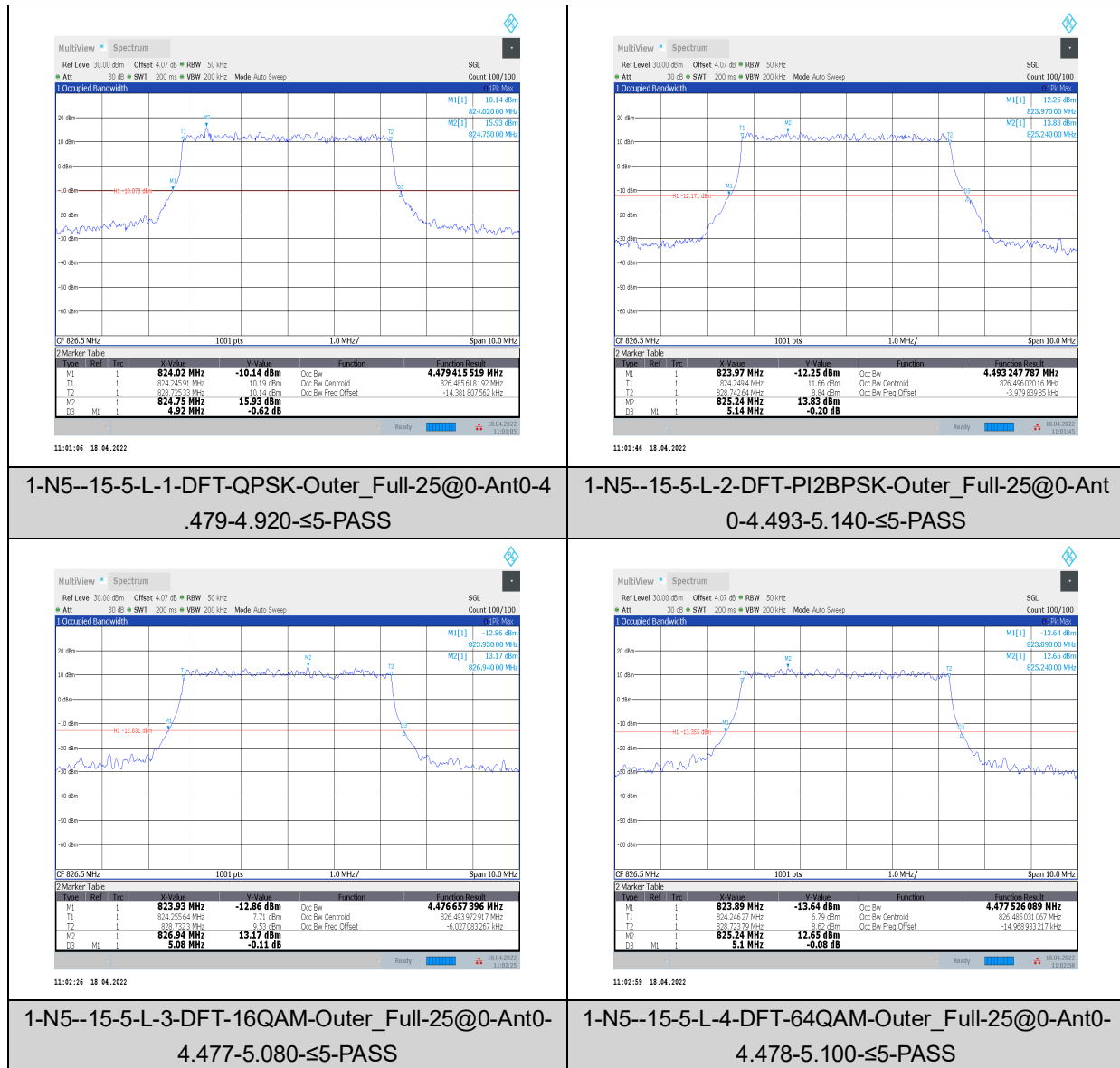
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Report No.: SEWA2309000114RG02

Rev.: 01

Page: 13 of 56

Test Graphs



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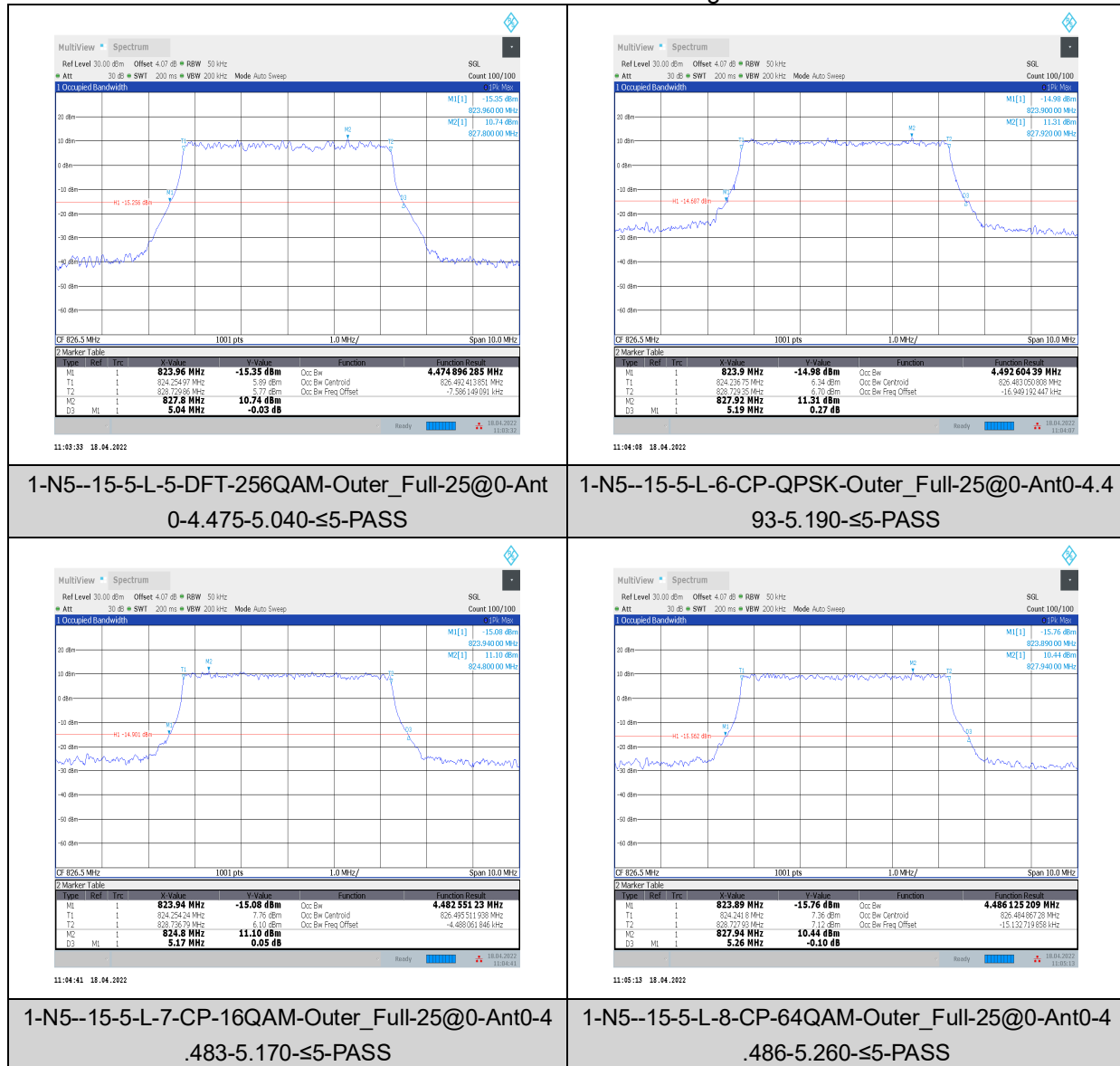
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Report No.: SEWA2309000114RG02

Rev.: 01

Page: 14 of 56



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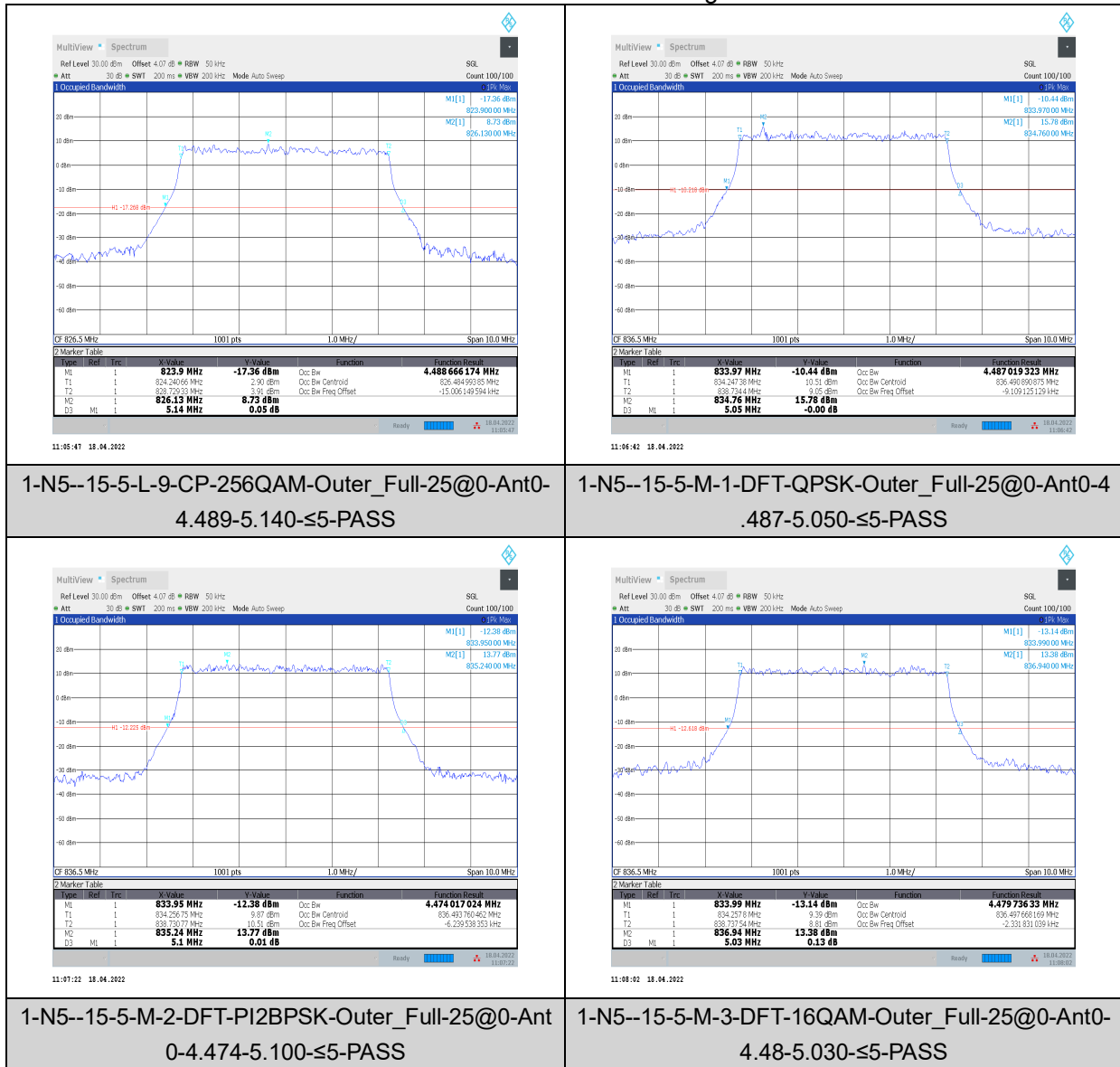
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Report No.: SEWA2309000114RG02

Rev.: 01

Page: 15 of 56



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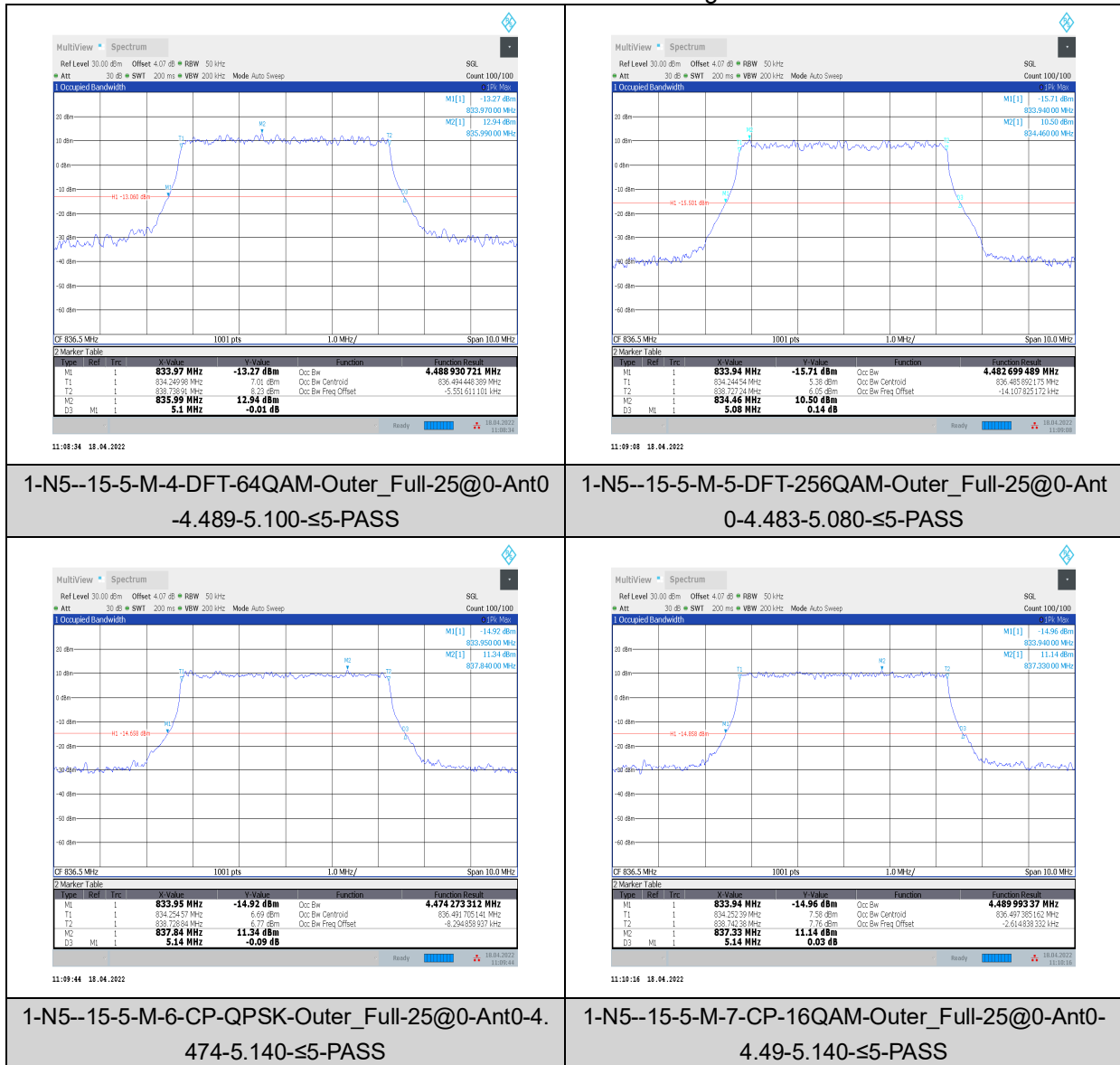
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Rev.: 01

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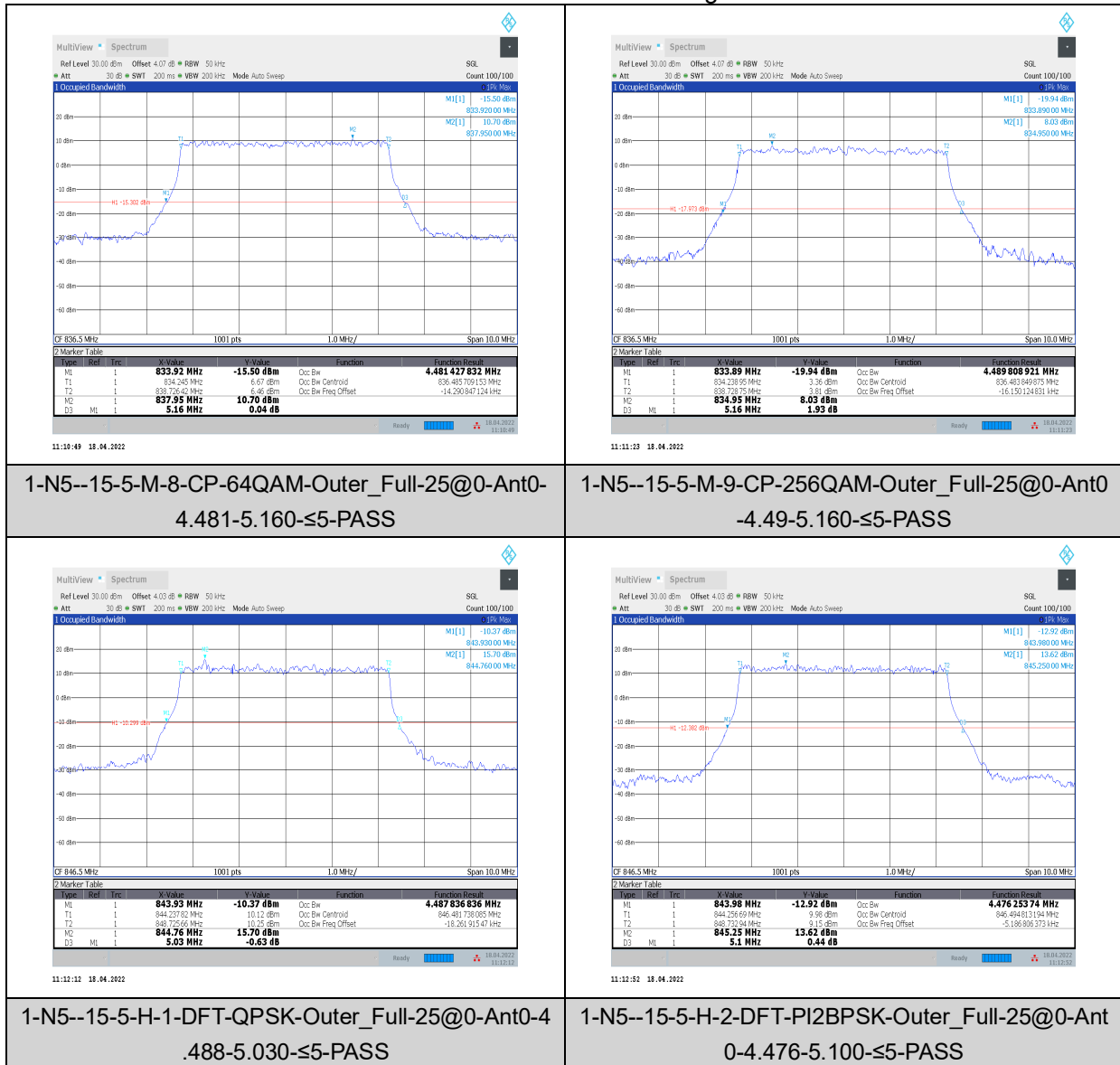
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Report No.: SEWA2309000114RG02

Rev.: 01

Page: 17 of 56



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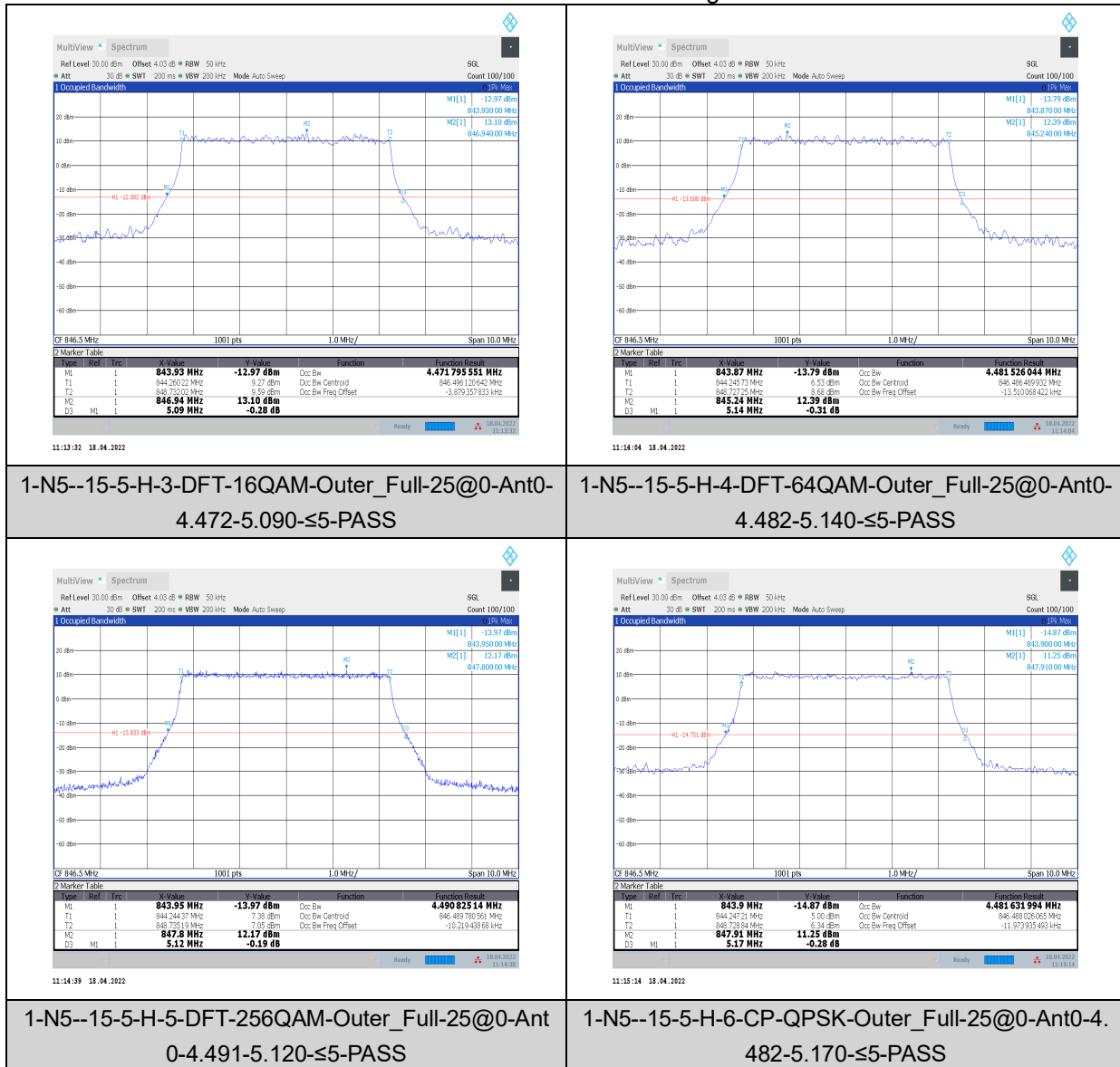
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Rev.: 01

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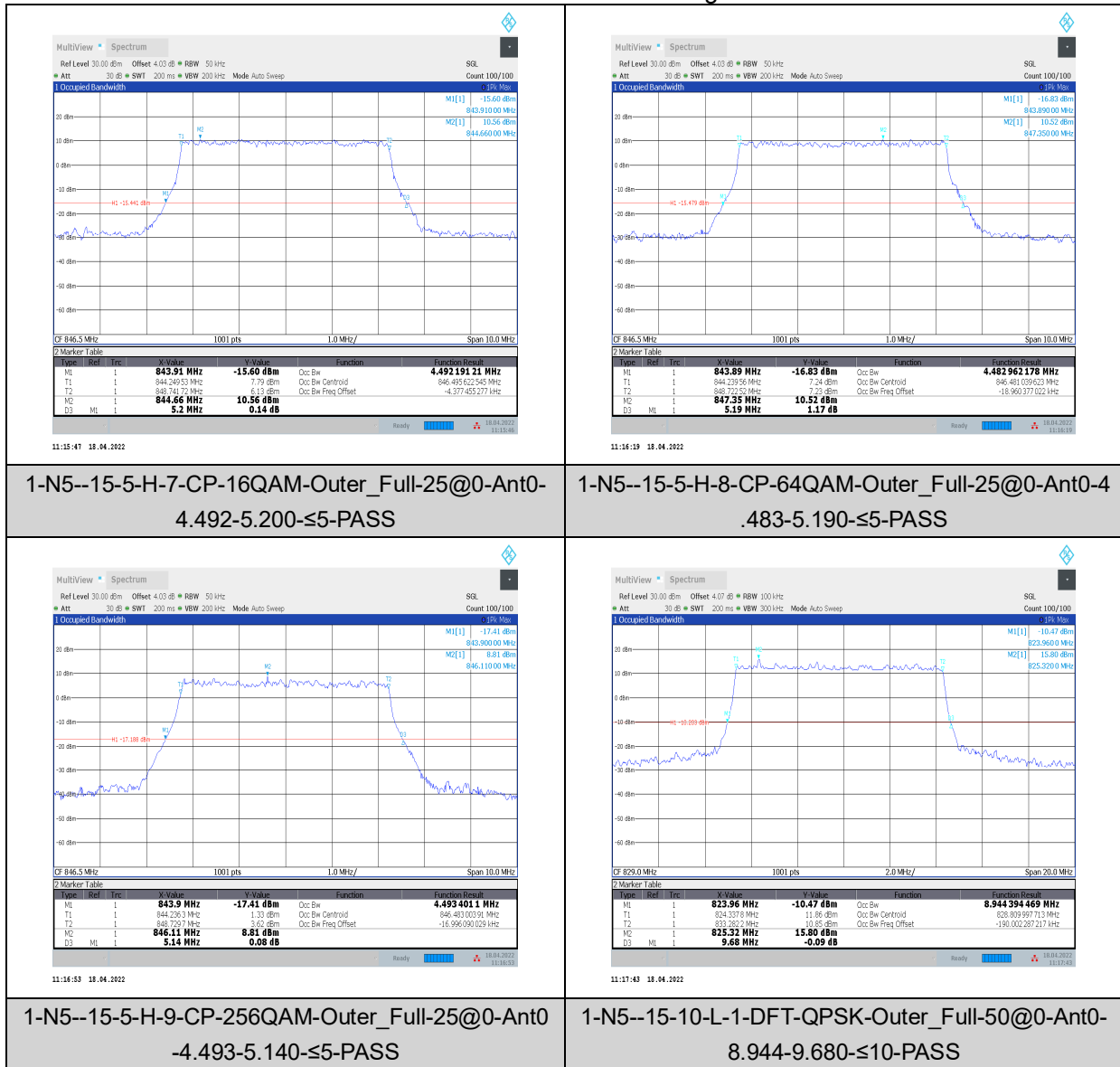
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Page: 19 of 56



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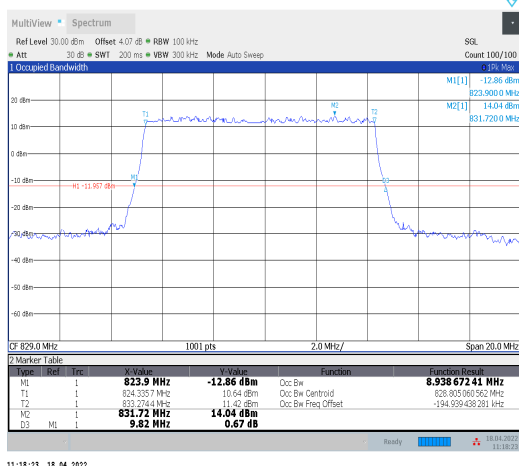
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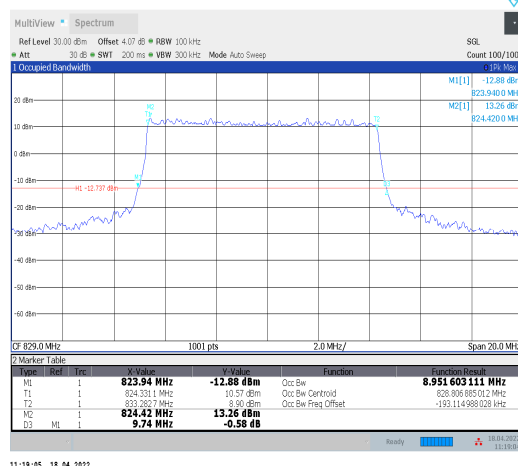
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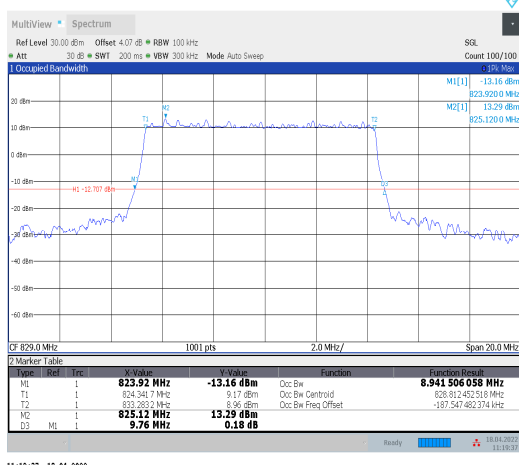
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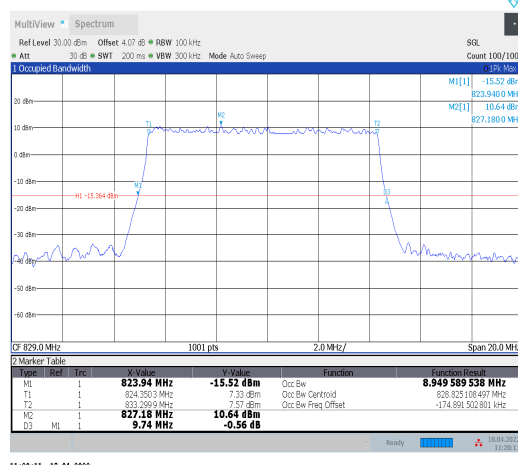
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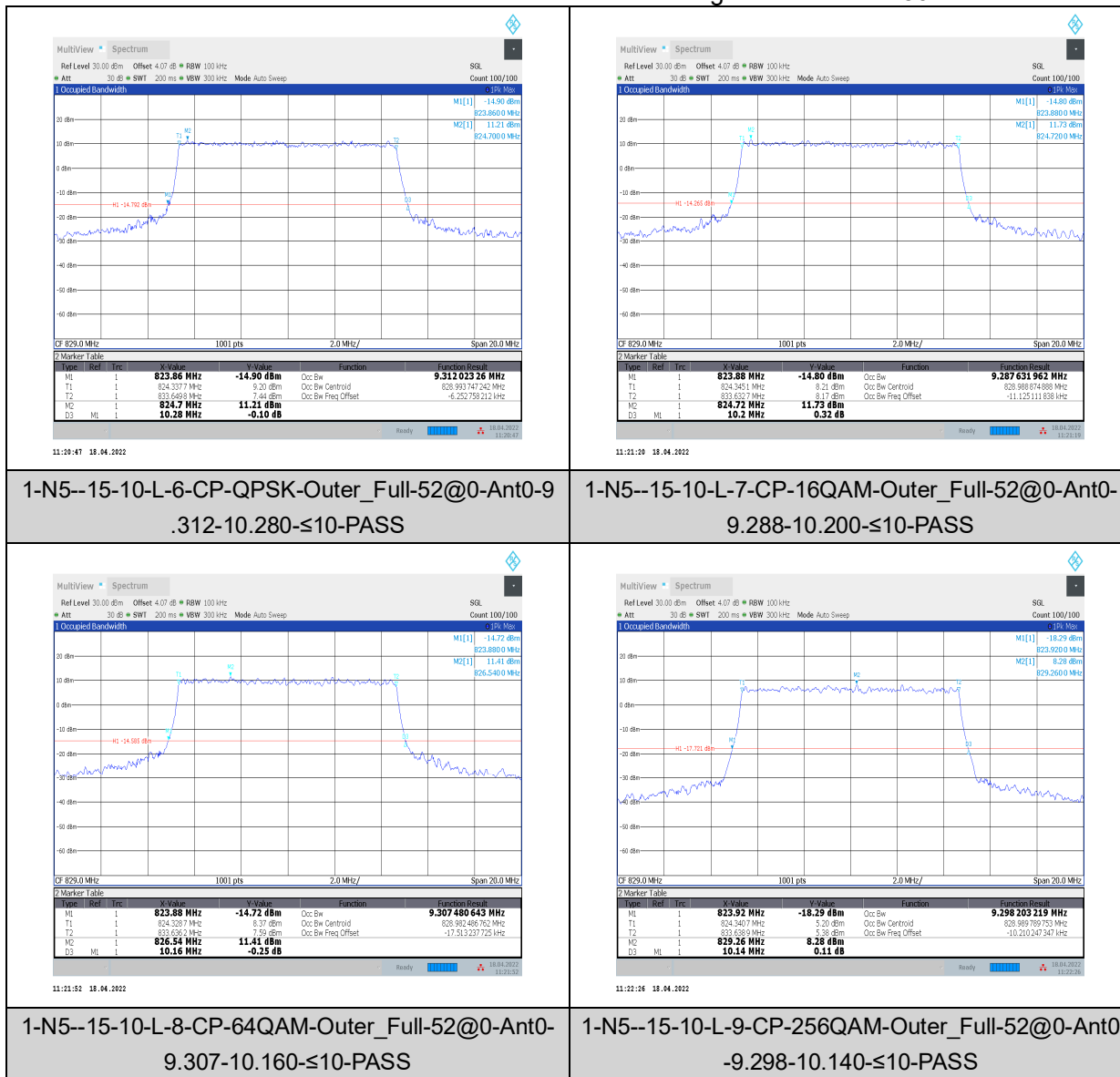
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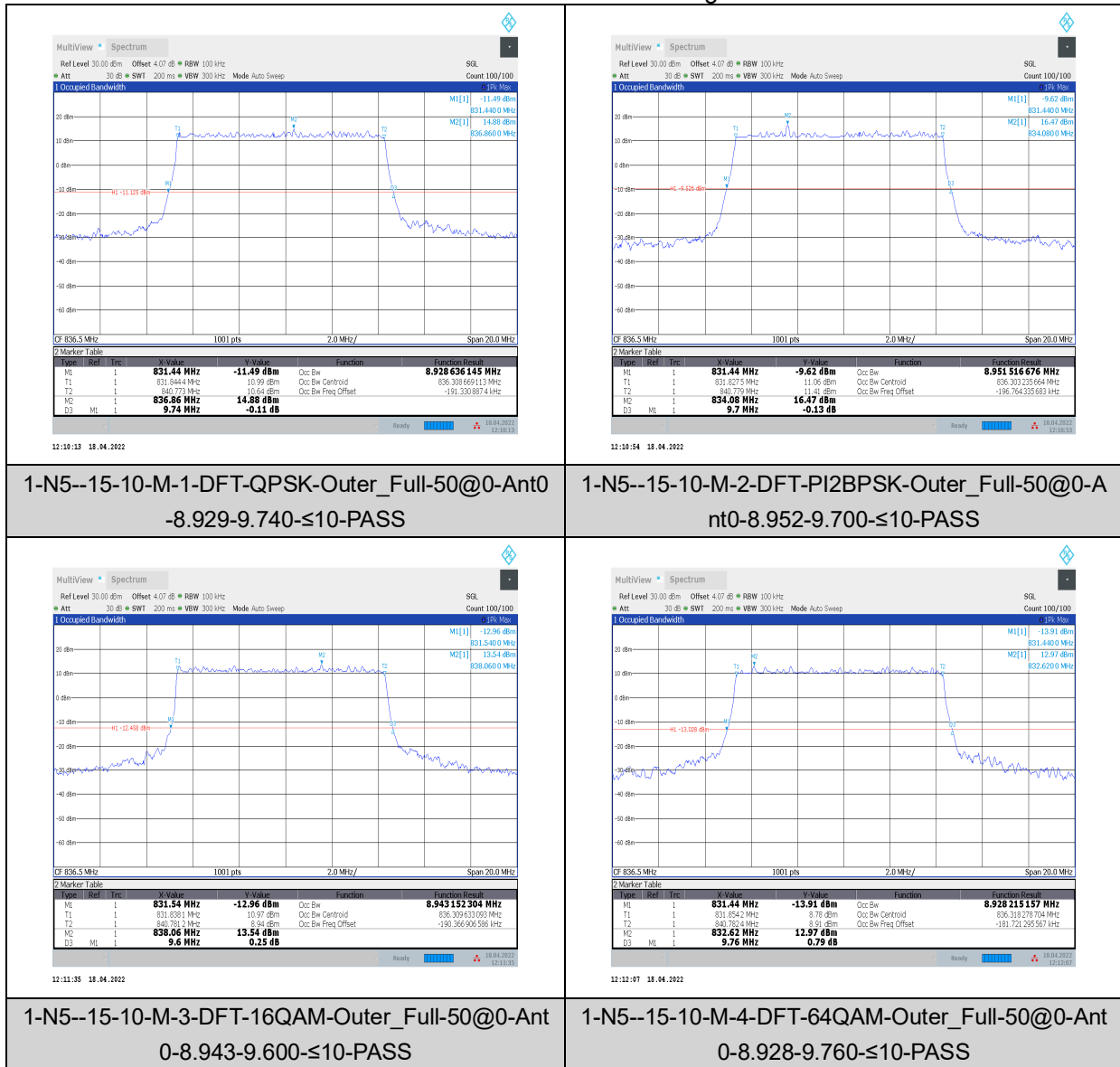
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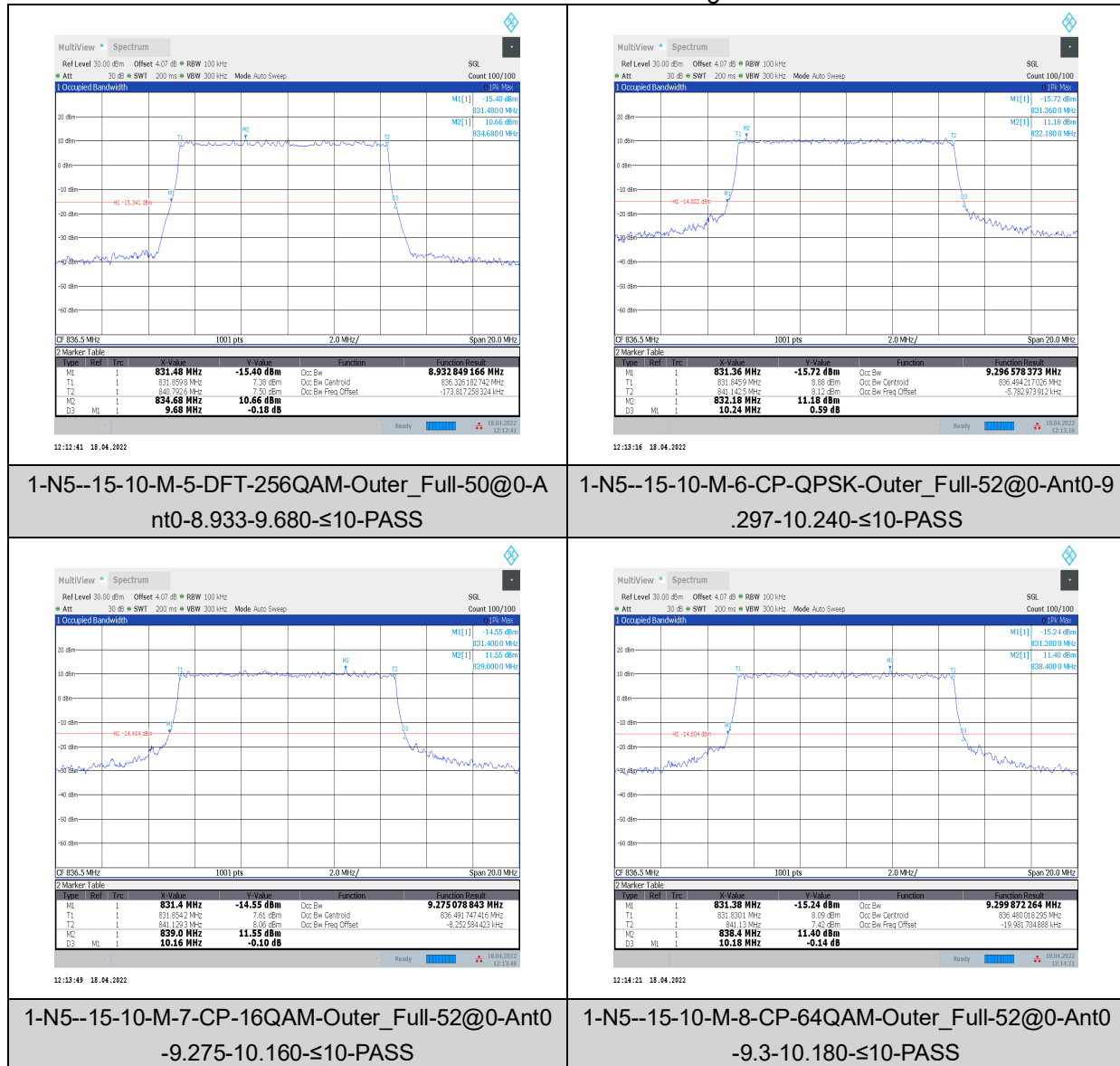
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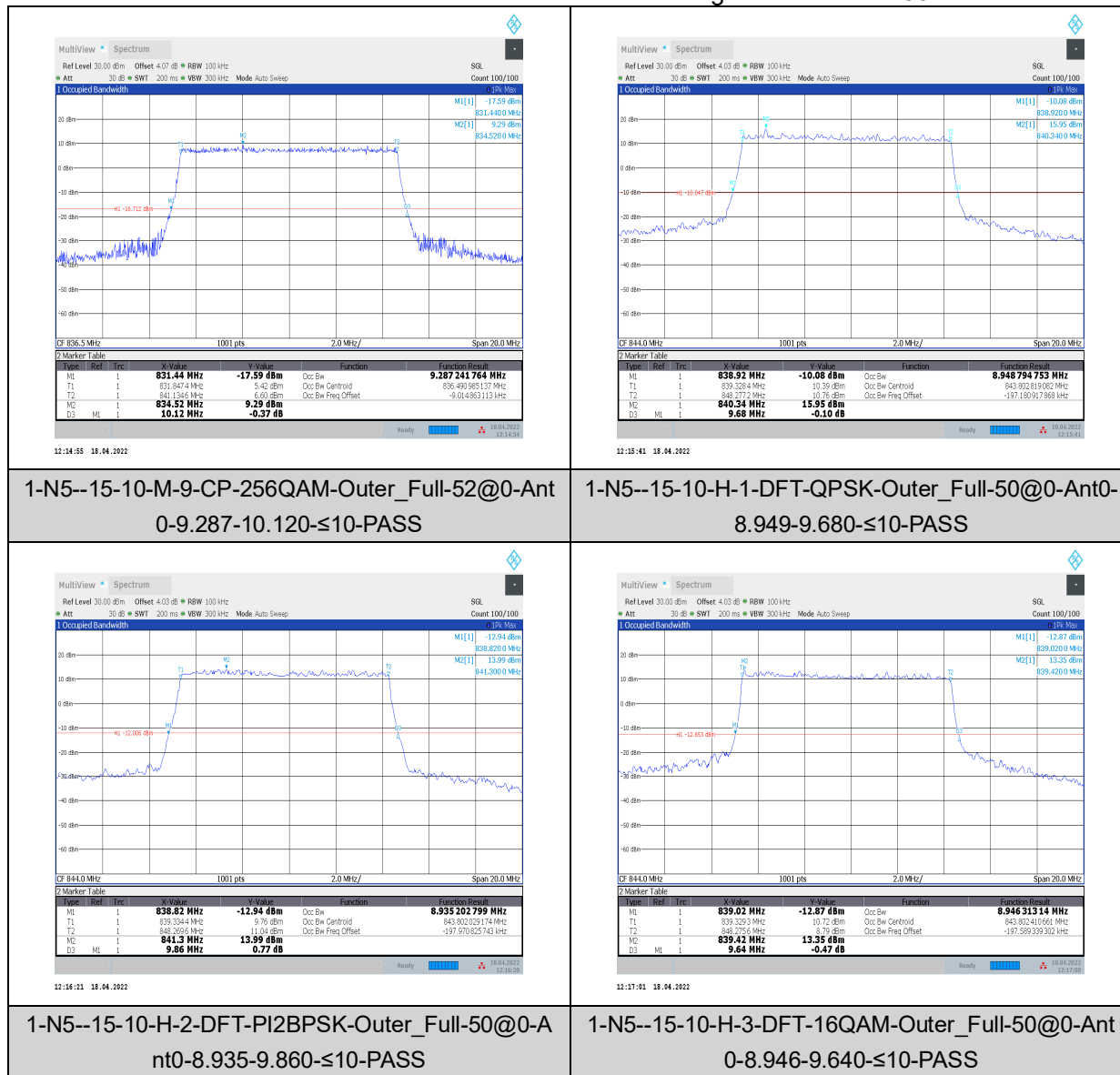
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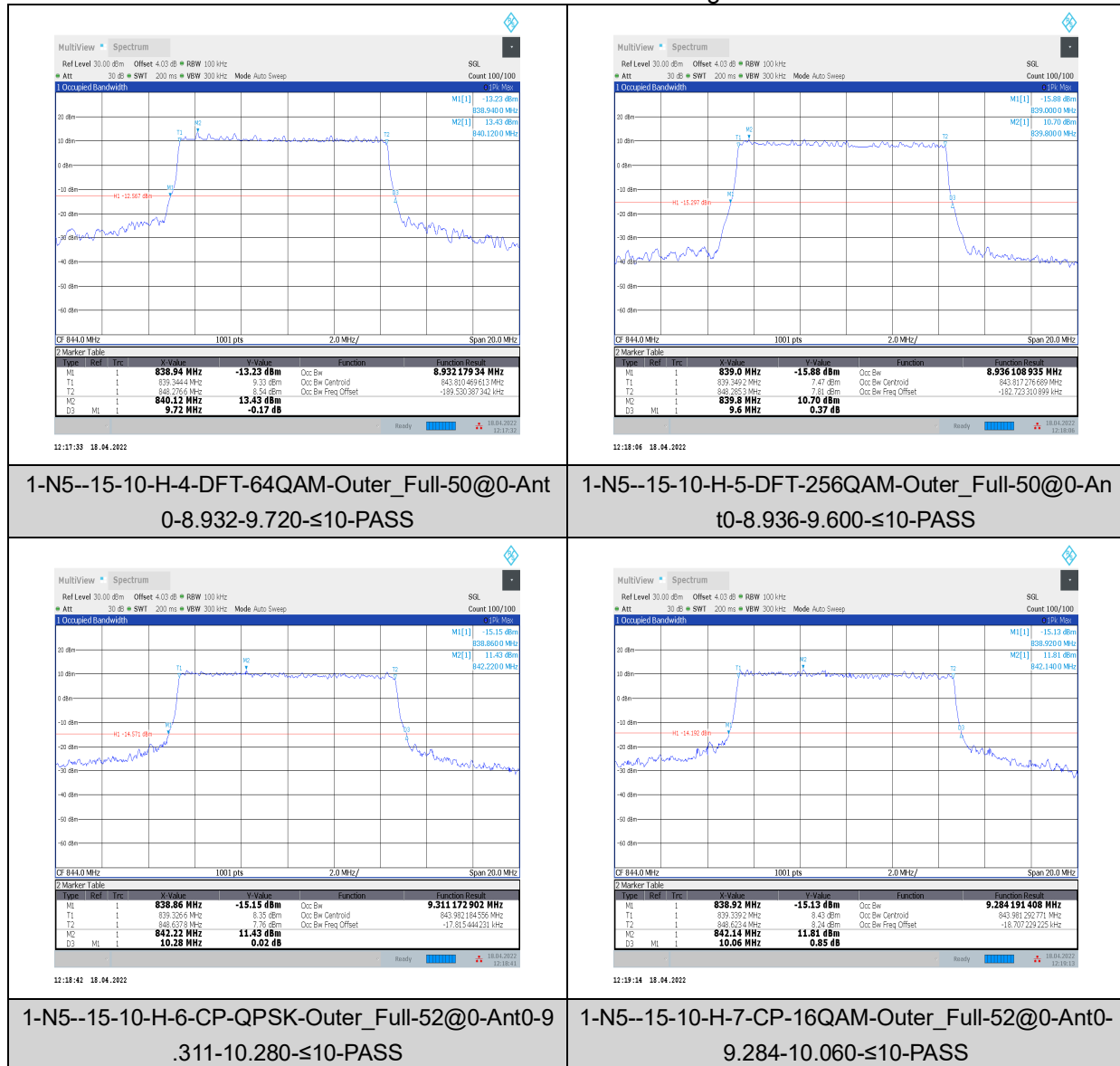
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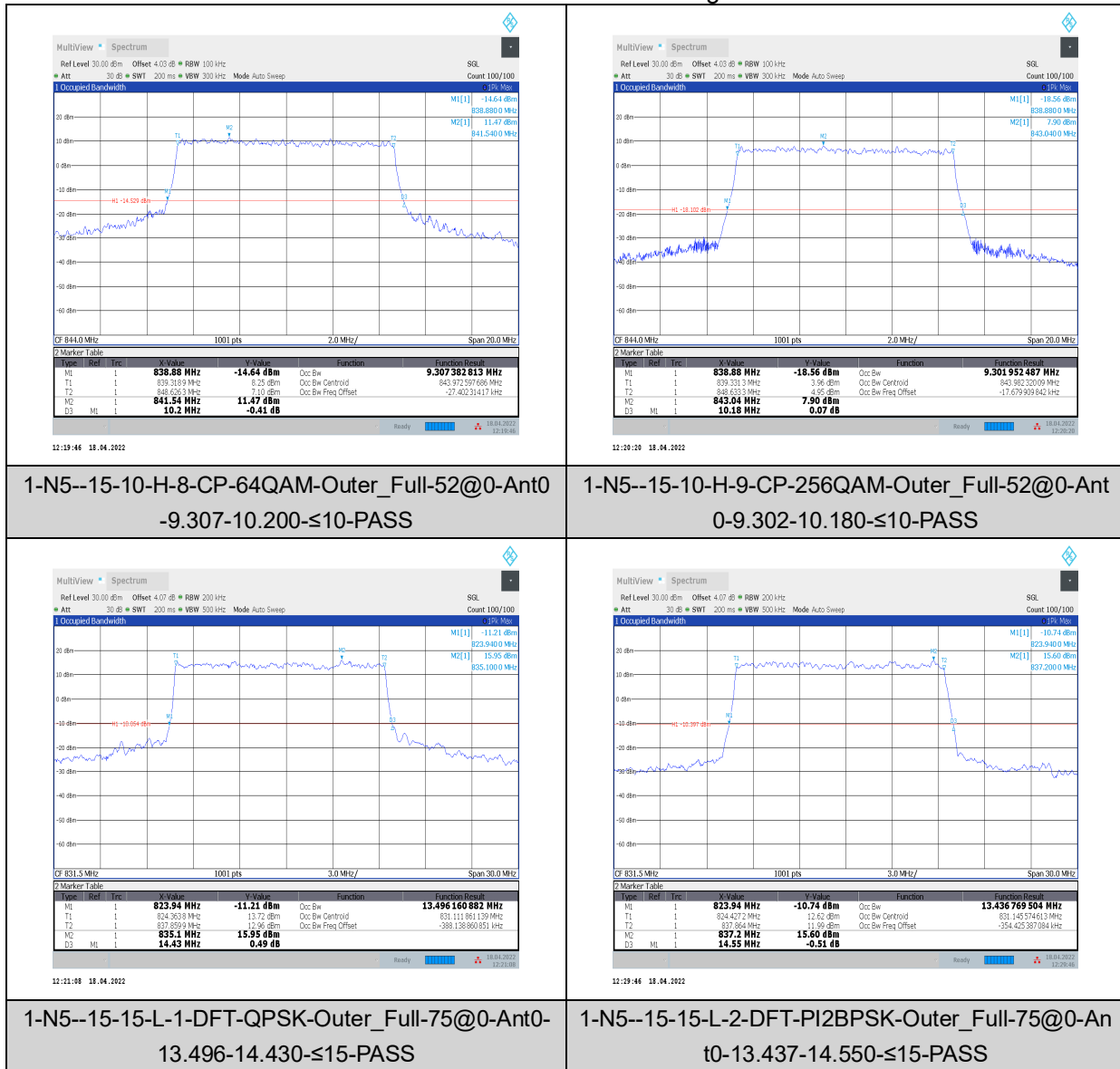
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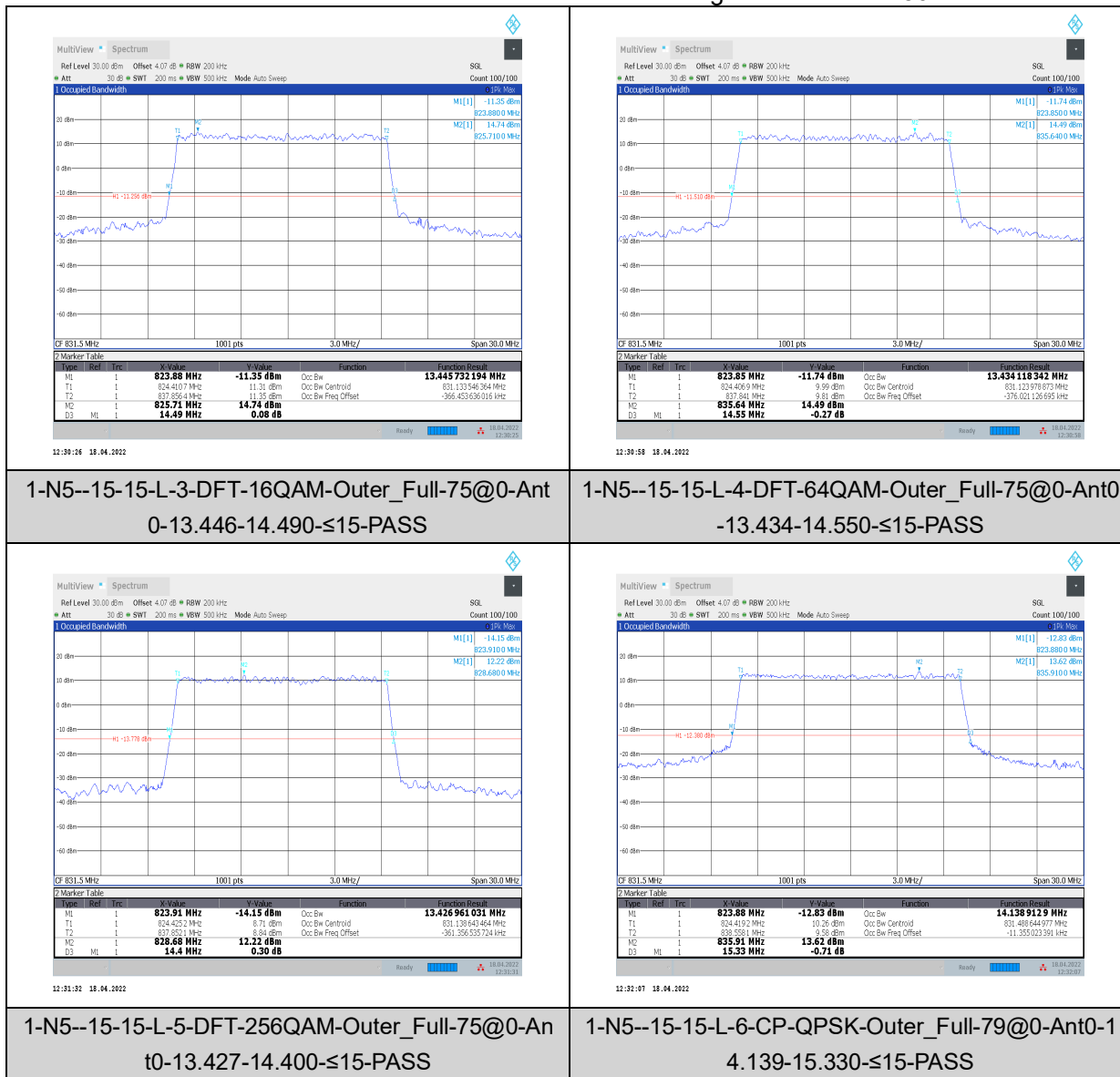
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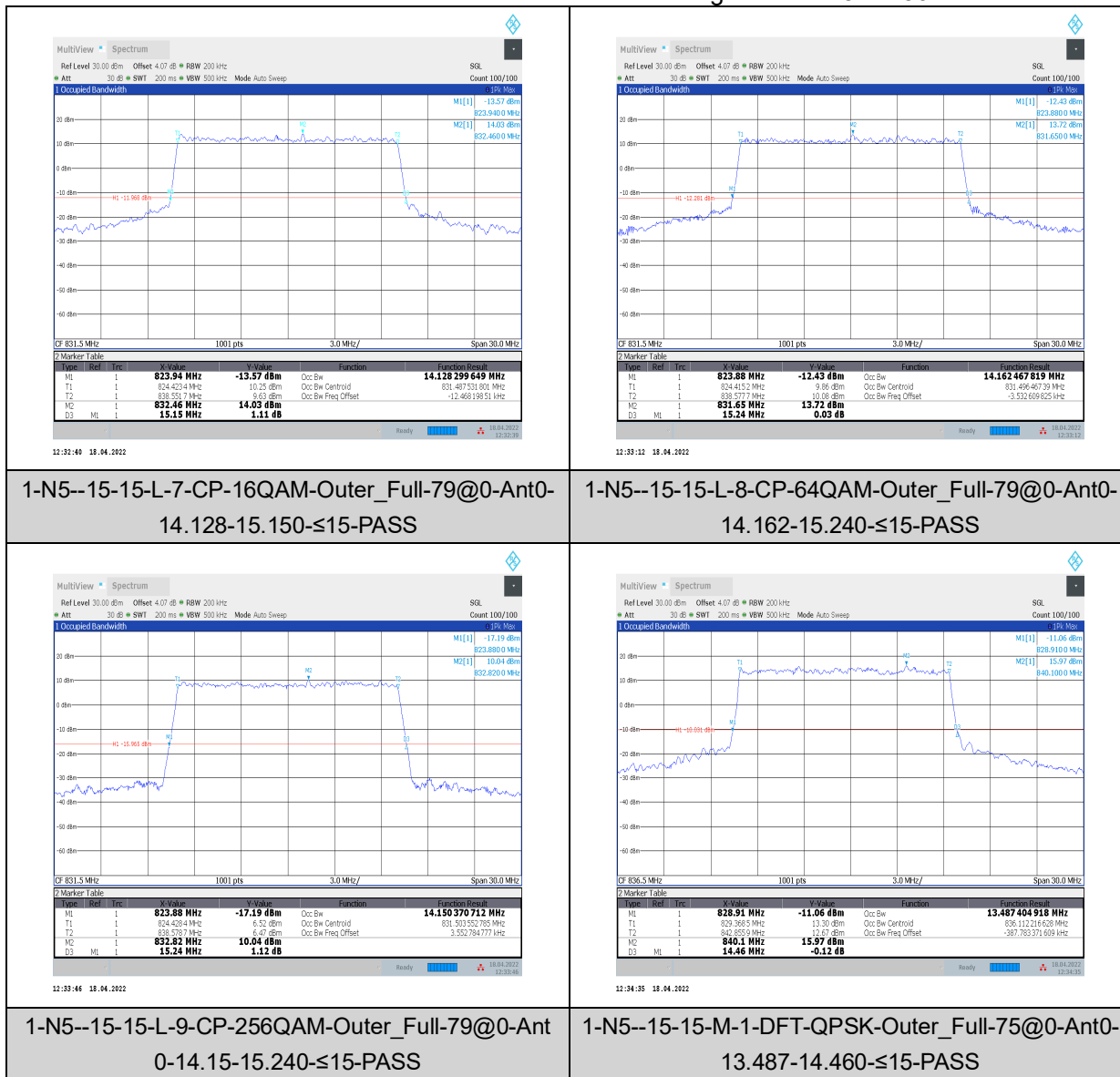
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Report No.: SEWA2309000114RG02

Rev.: 01

Page: 28 of 56



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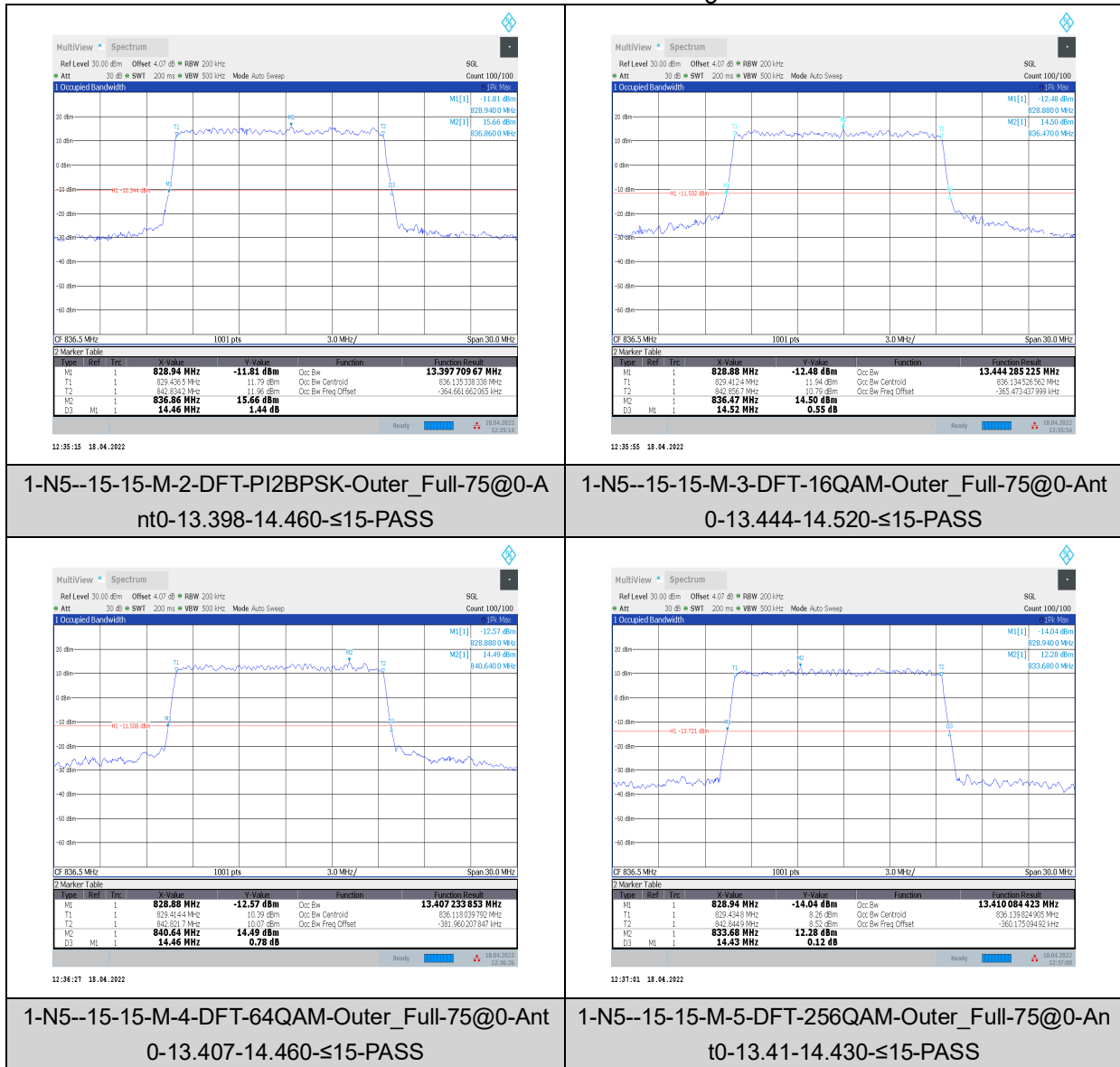
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Rev.: 01

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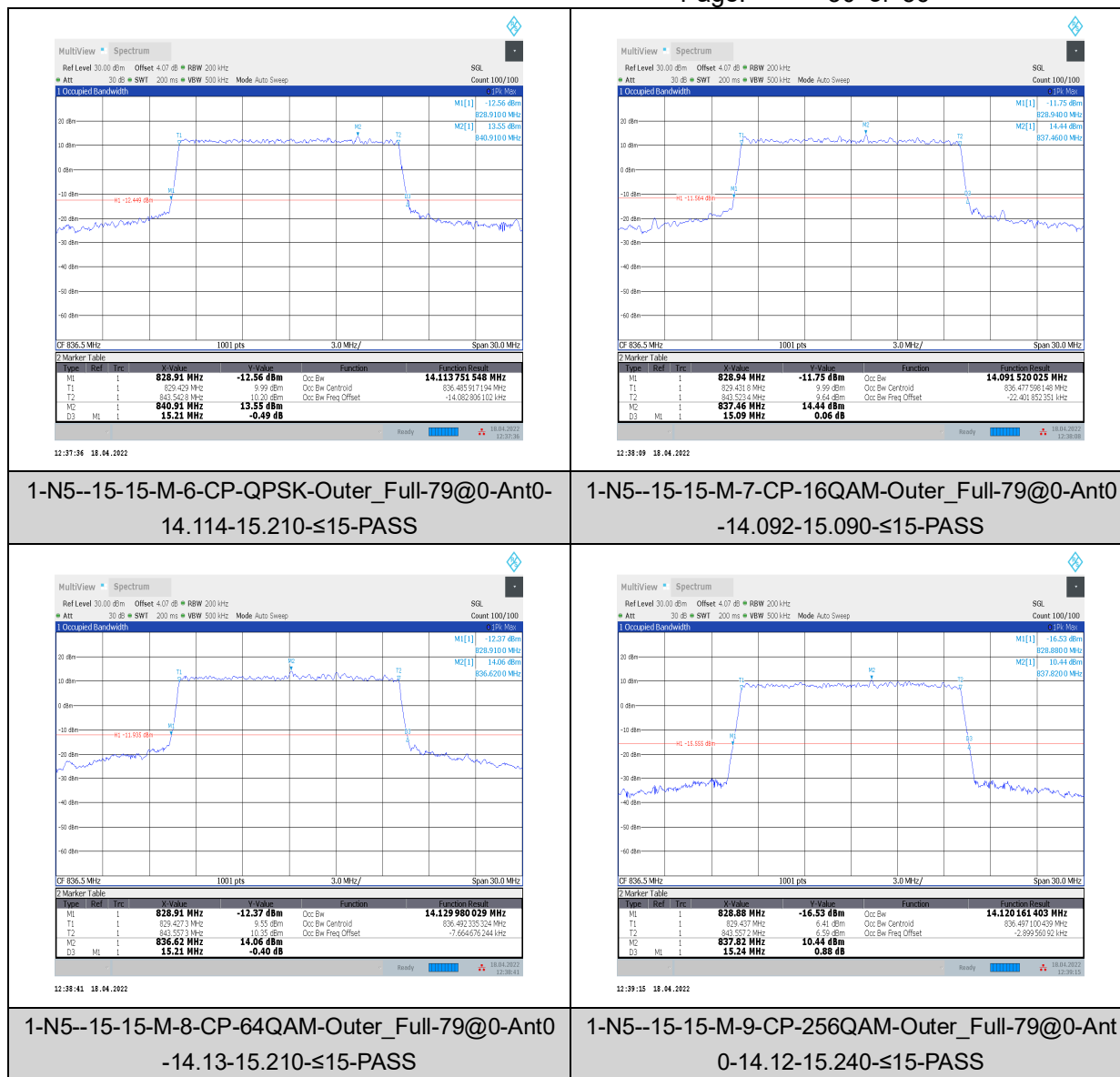
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Rev.: 01

Page: 30 of 56



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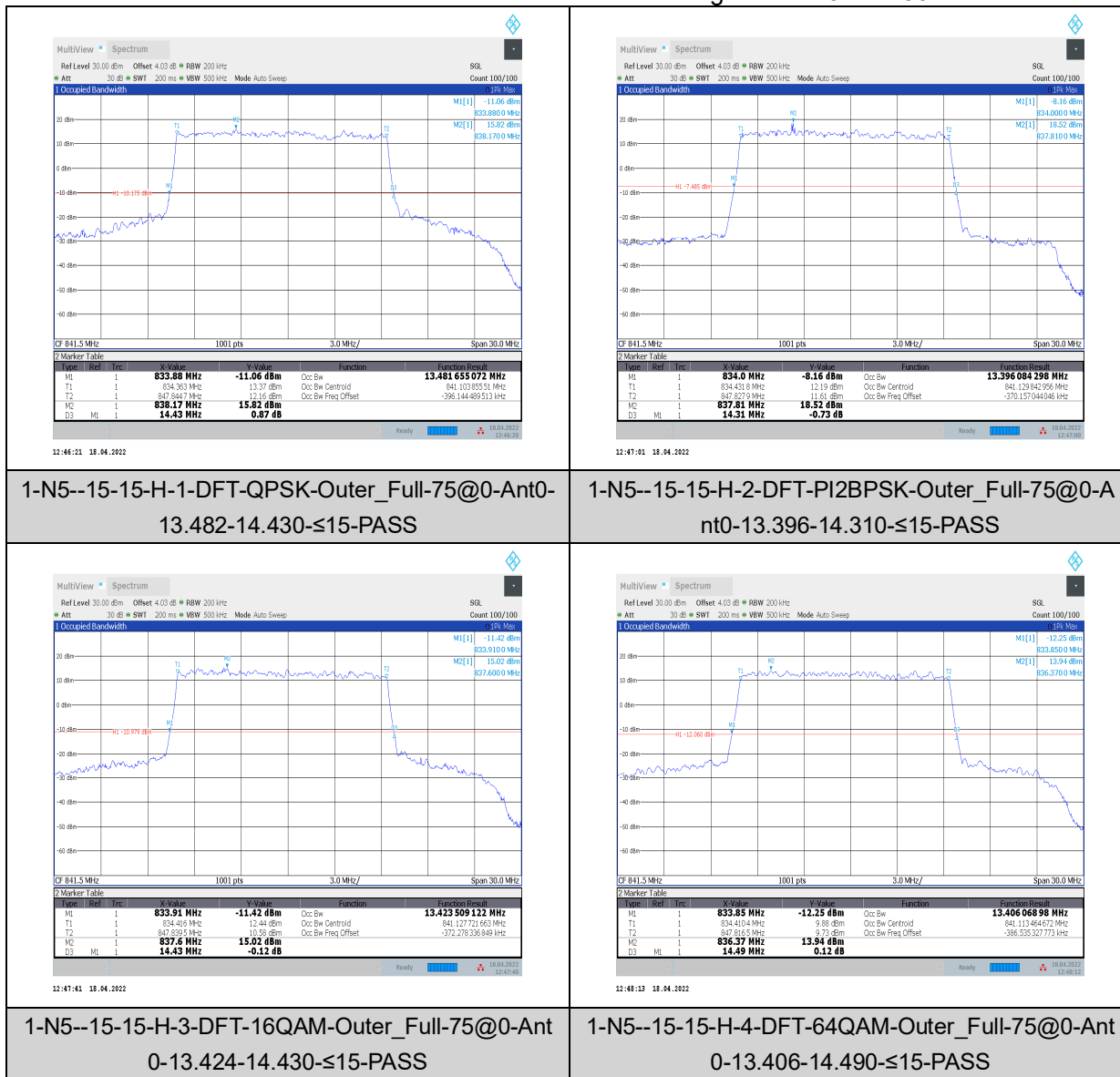
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Report No.: SEWA2309000114RG02

Rev.: 01

Page: 31 of 56



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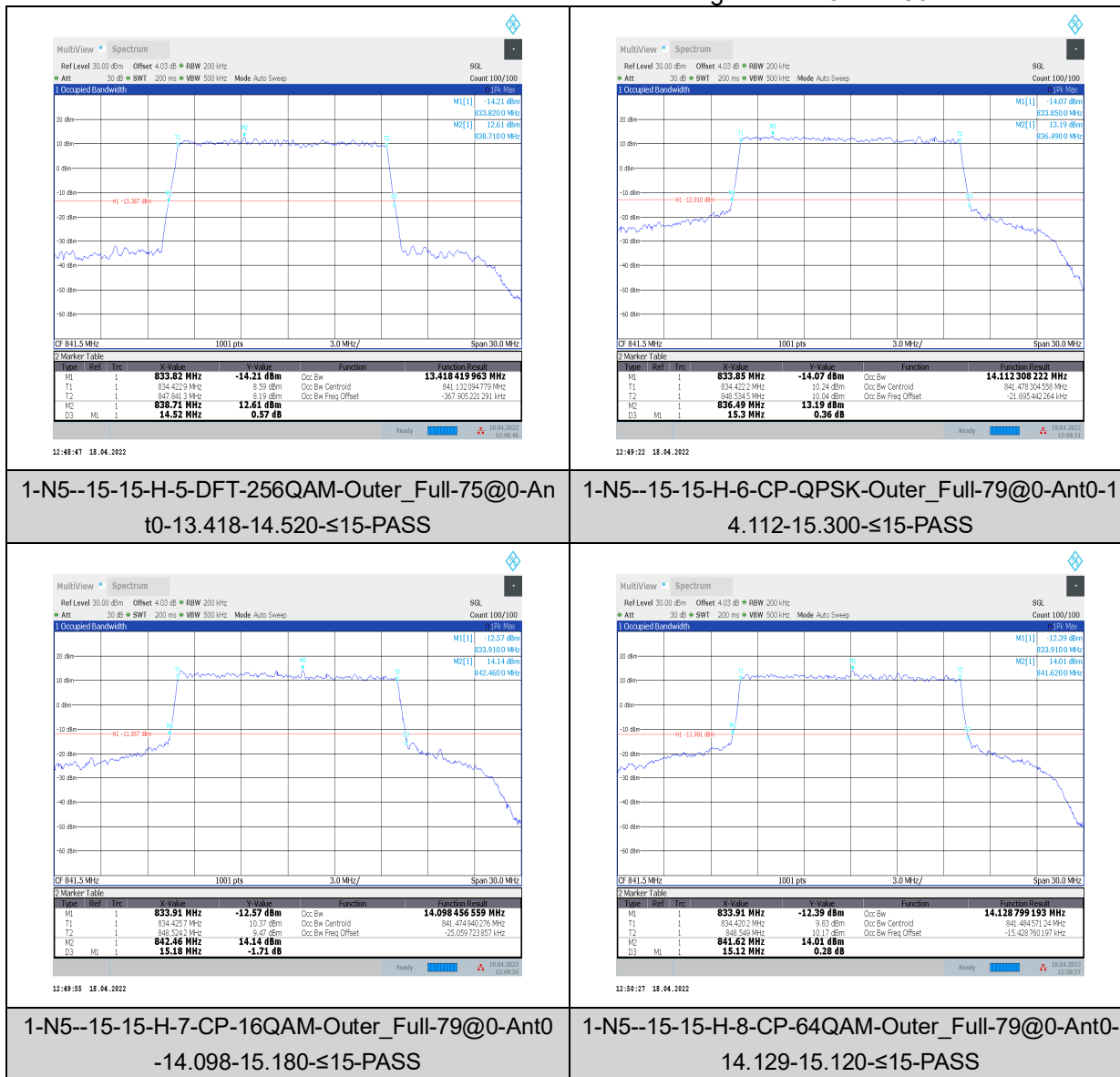
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Rev.: 01

Page: 32 of 56



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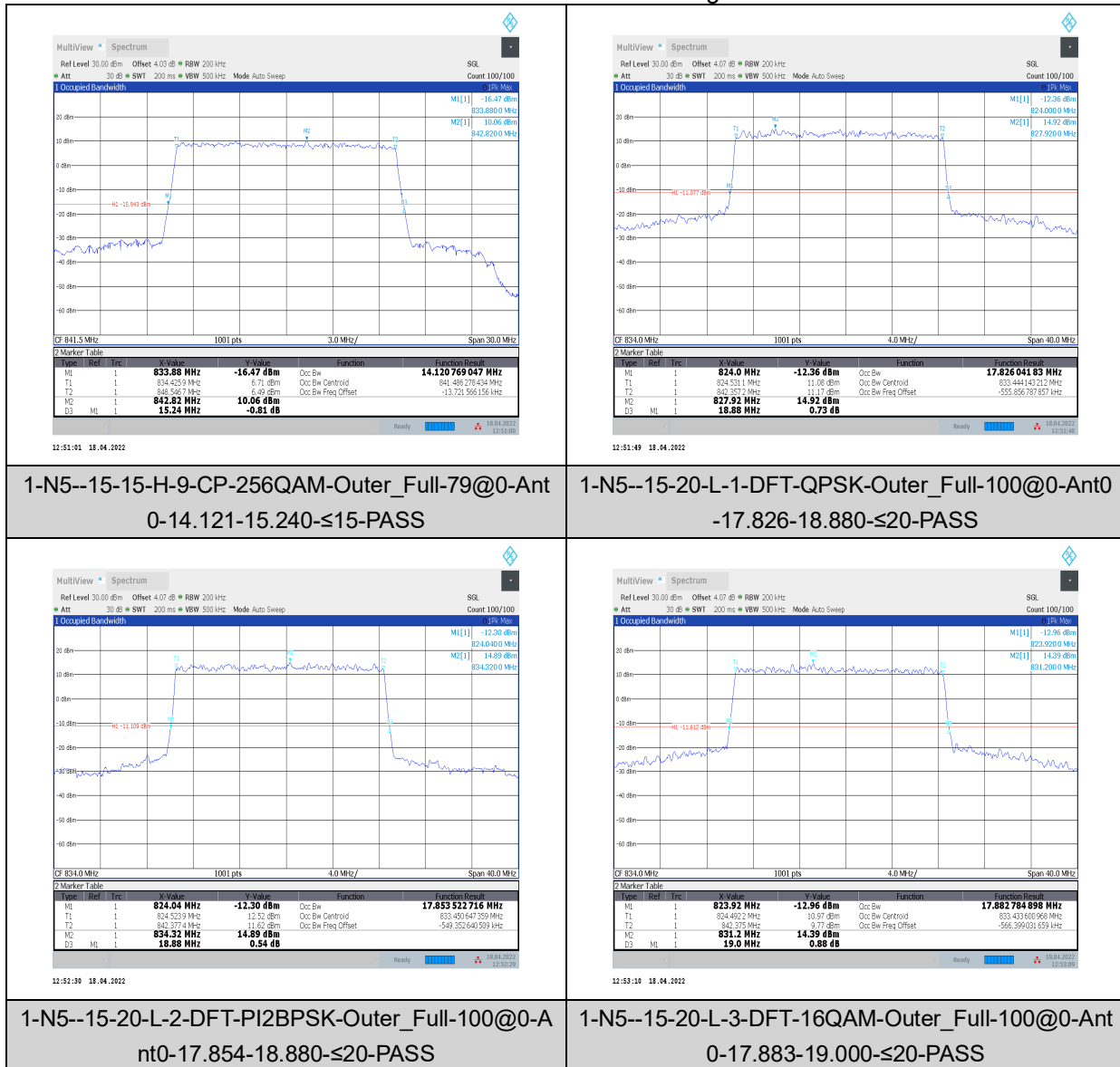
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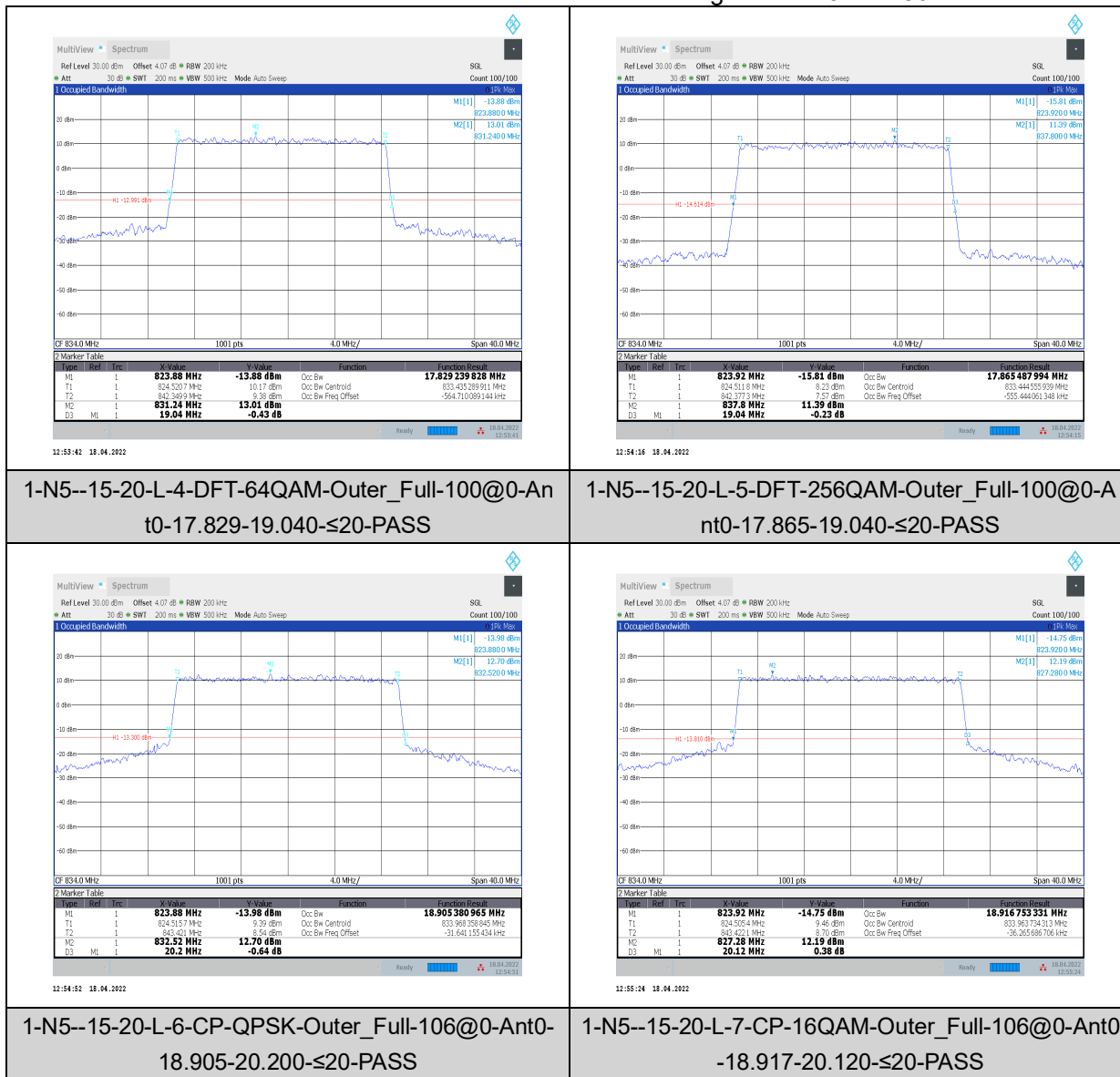
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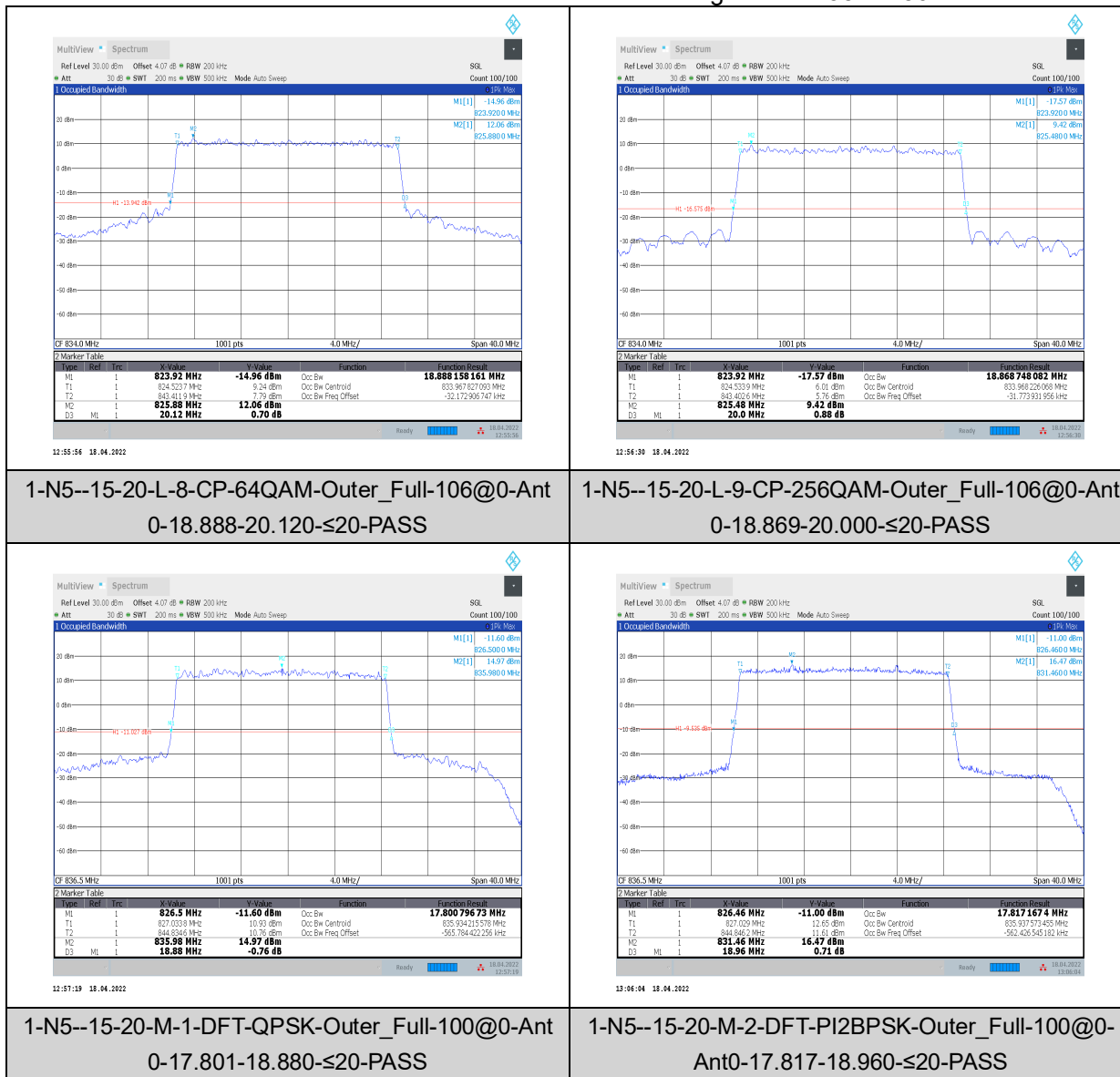
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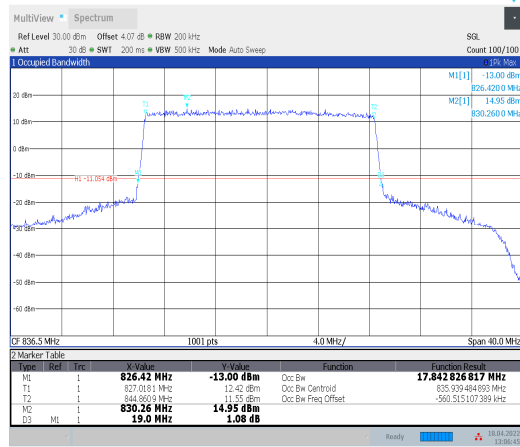
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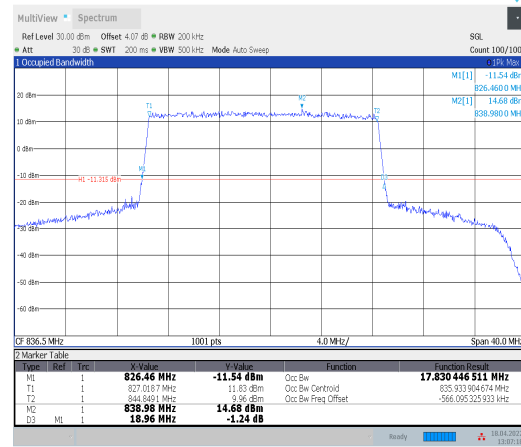
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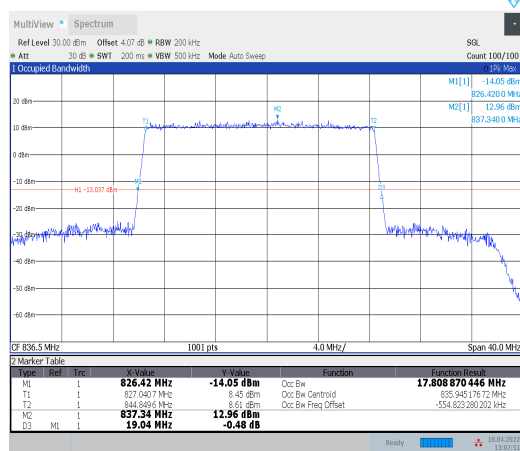
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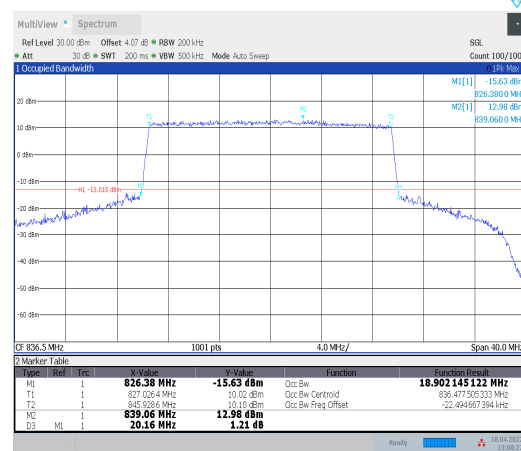
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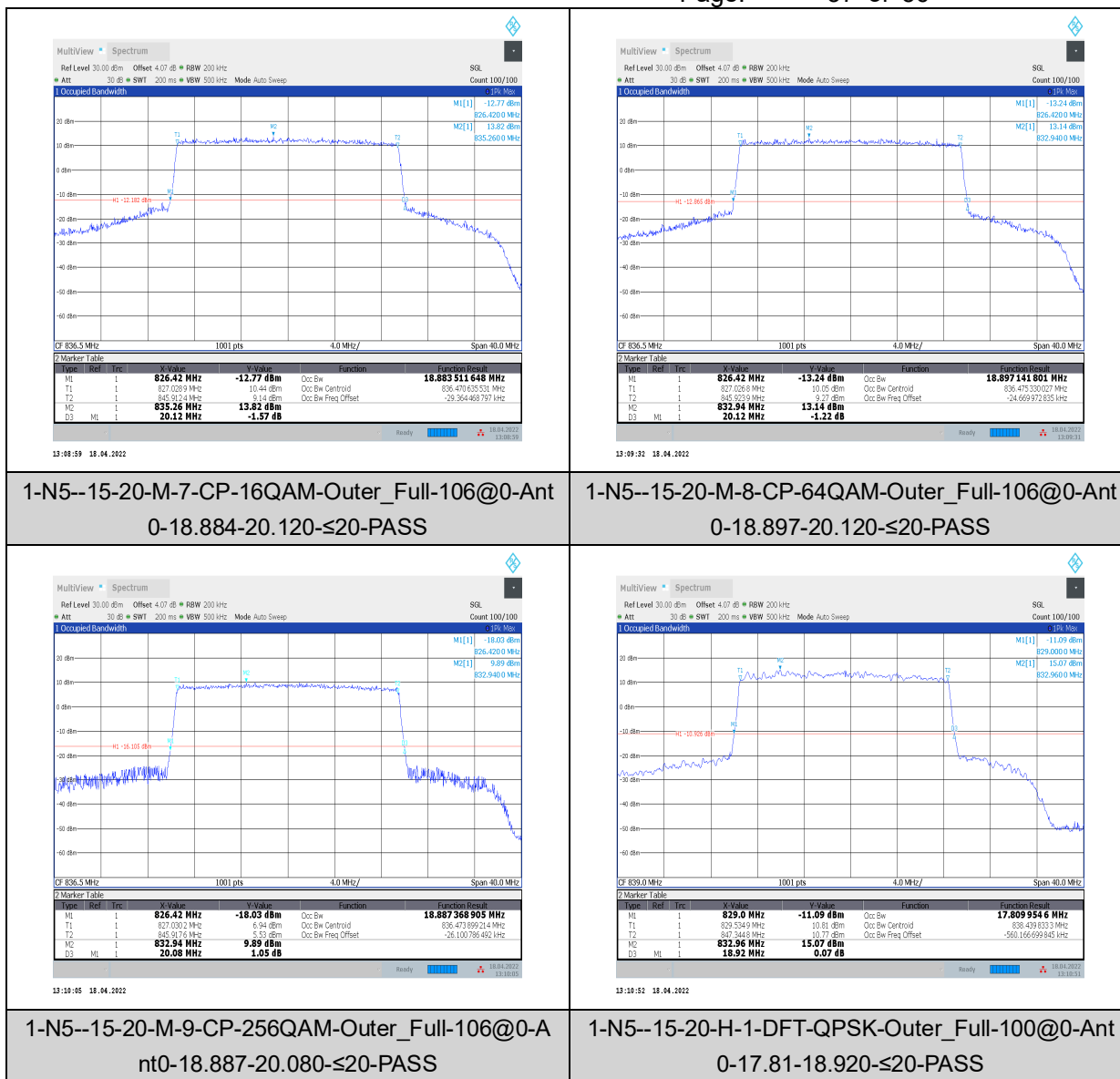
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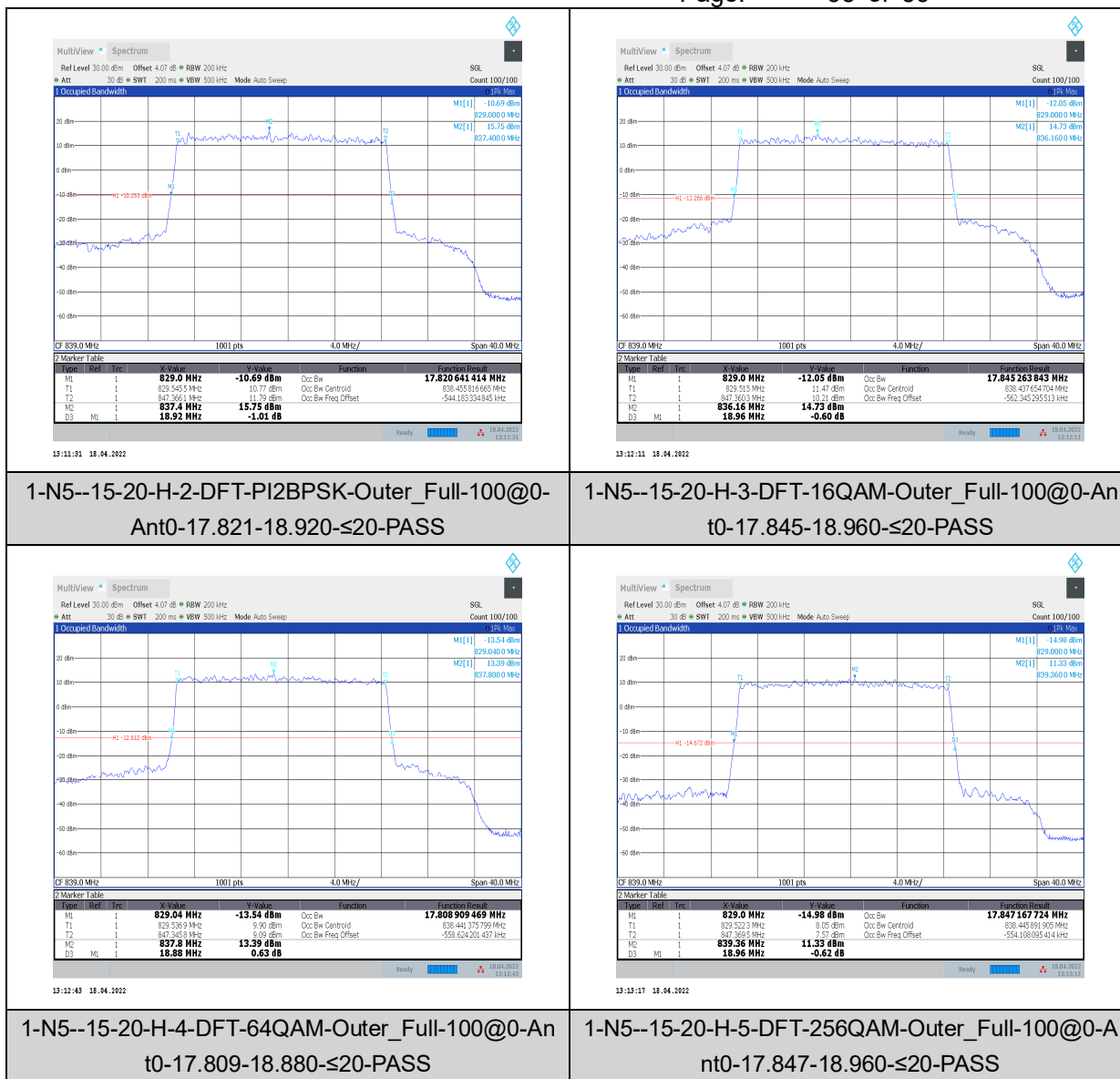
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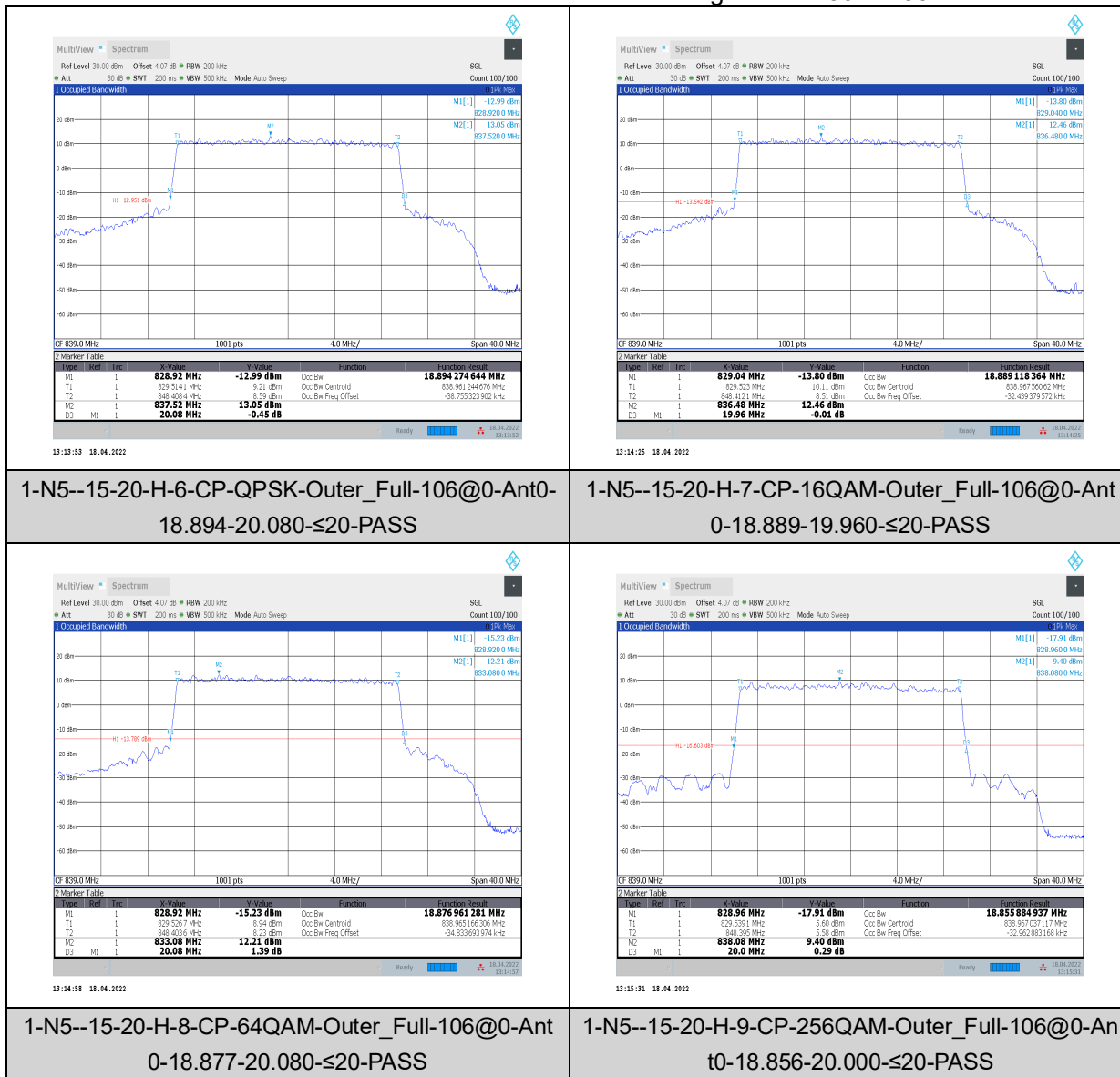
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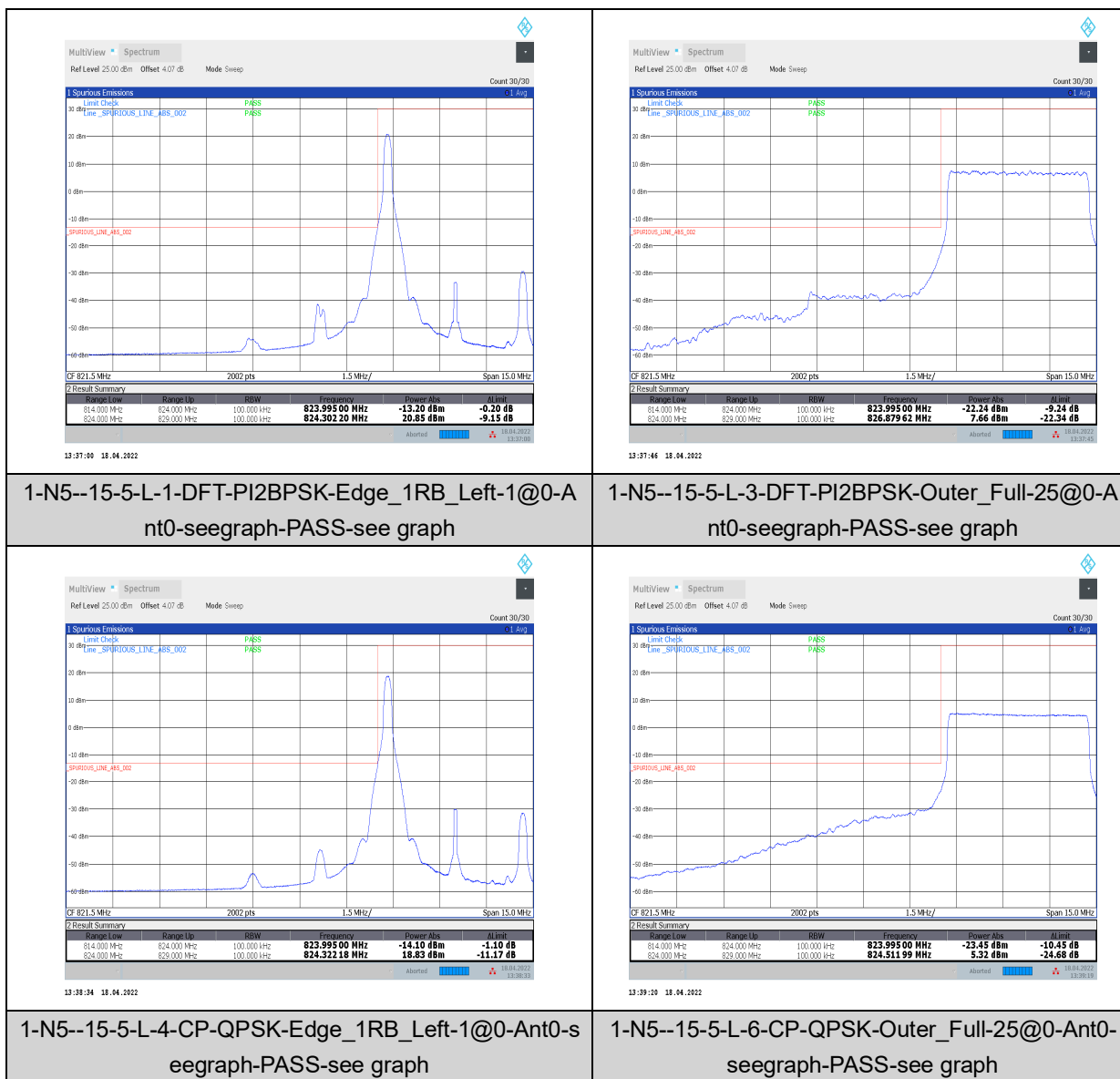
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Rev.: 01
Page: 40 of 56

Band Edge for SA

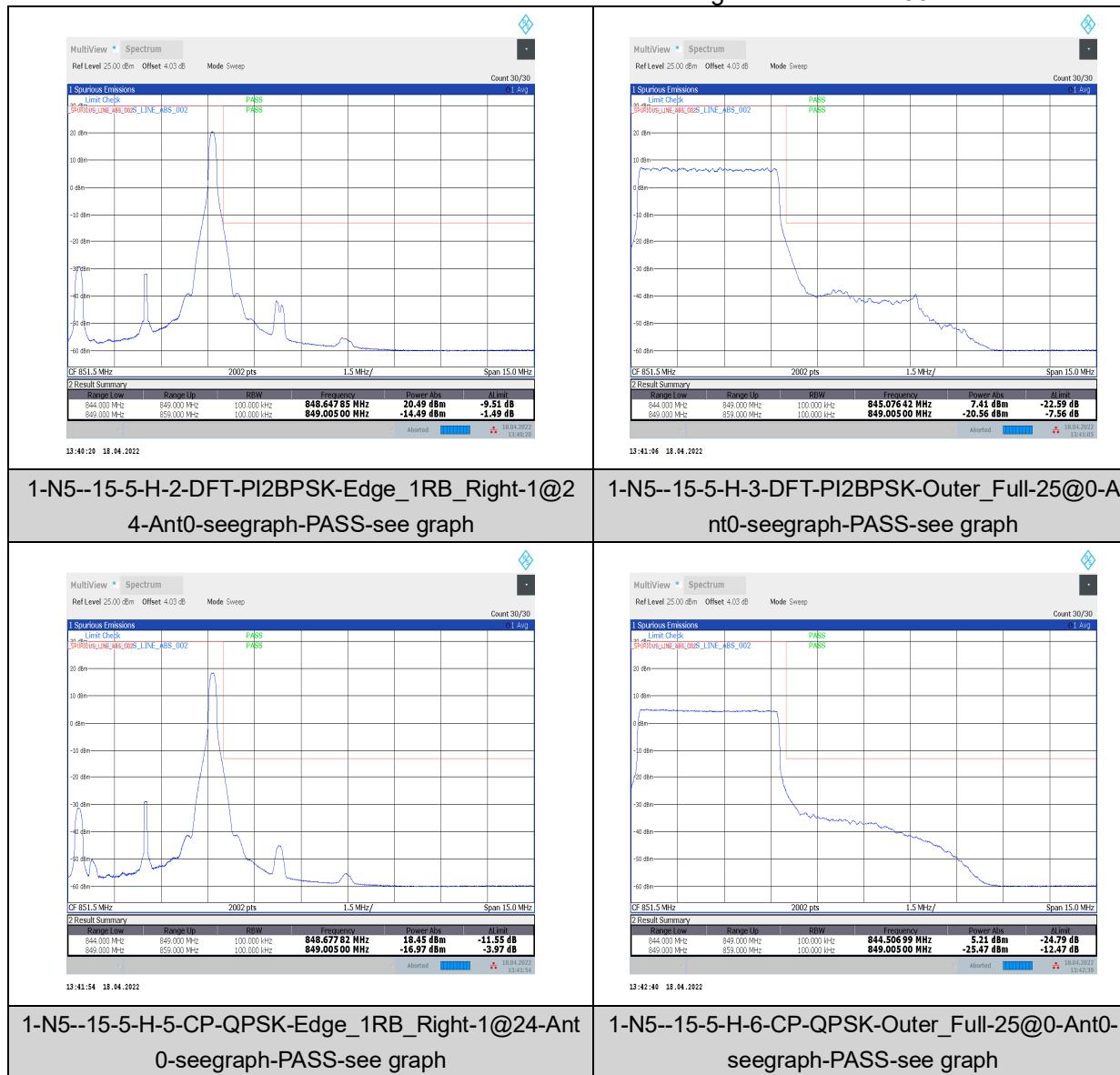
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Report No.: SEWA2309000114RG02

Rev.: 01

Page: 41 of 56



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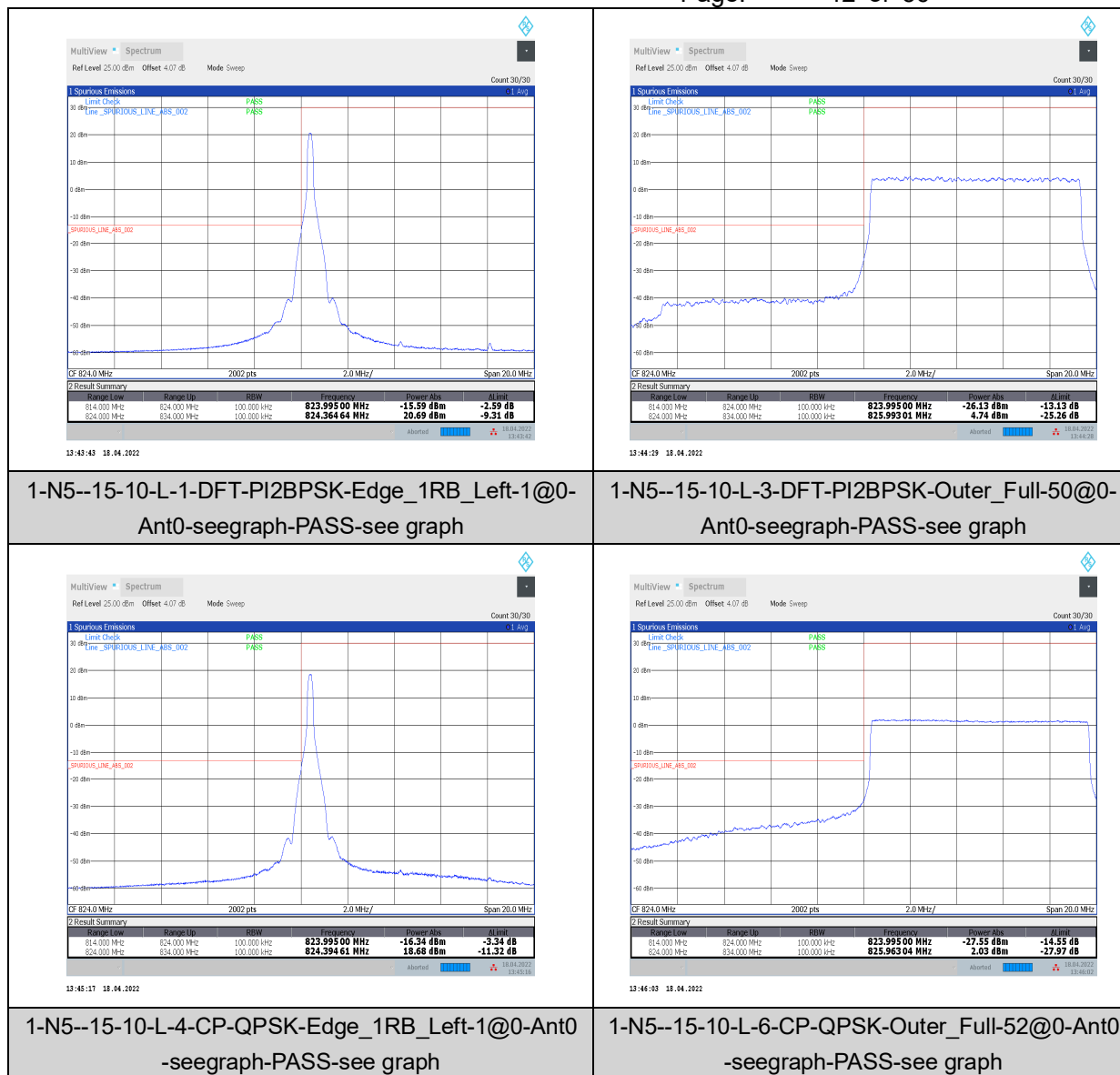
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Report No.: SEWA2309000114RG02

Rev.: 01

Page: 42 of 56



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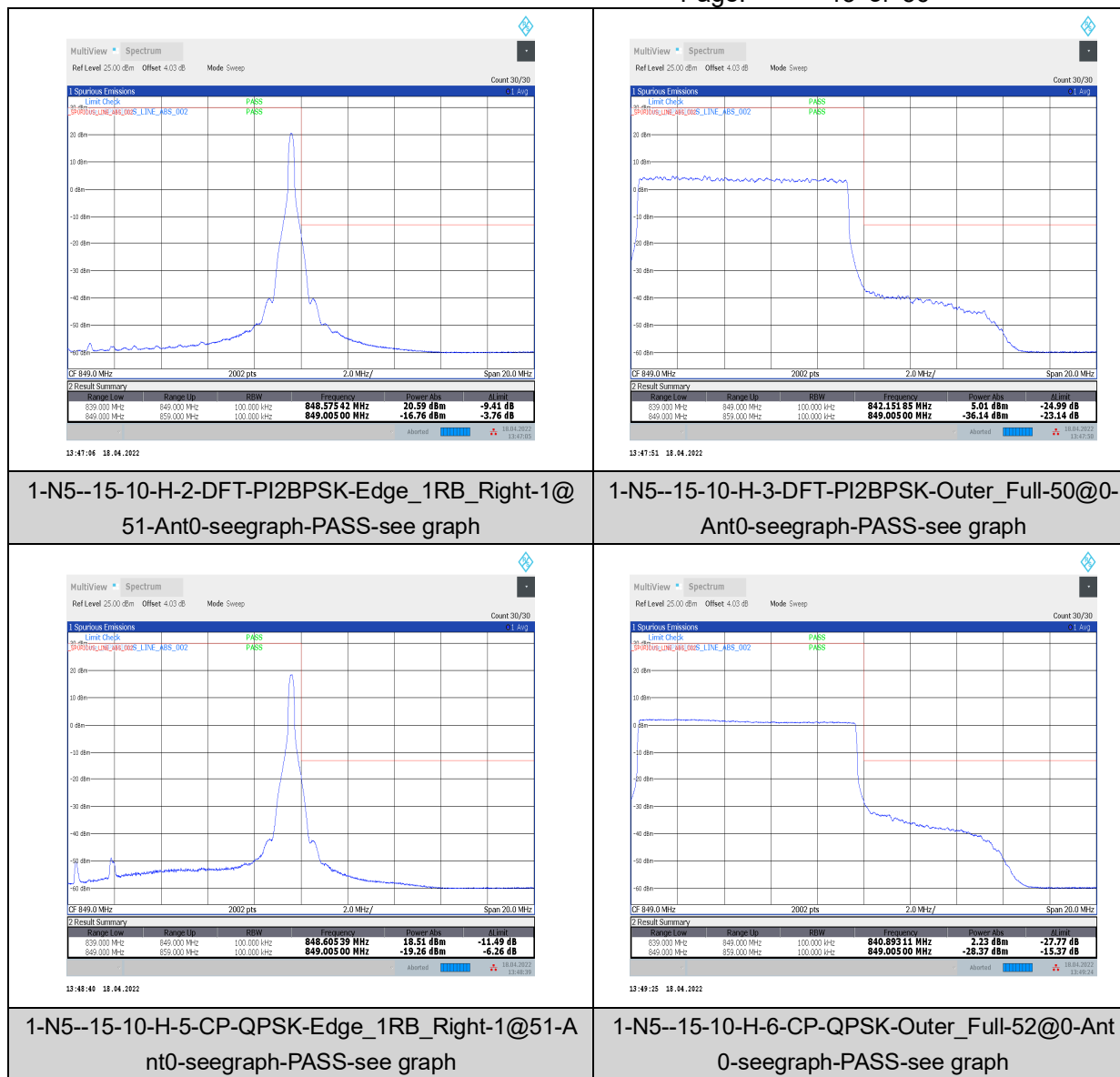
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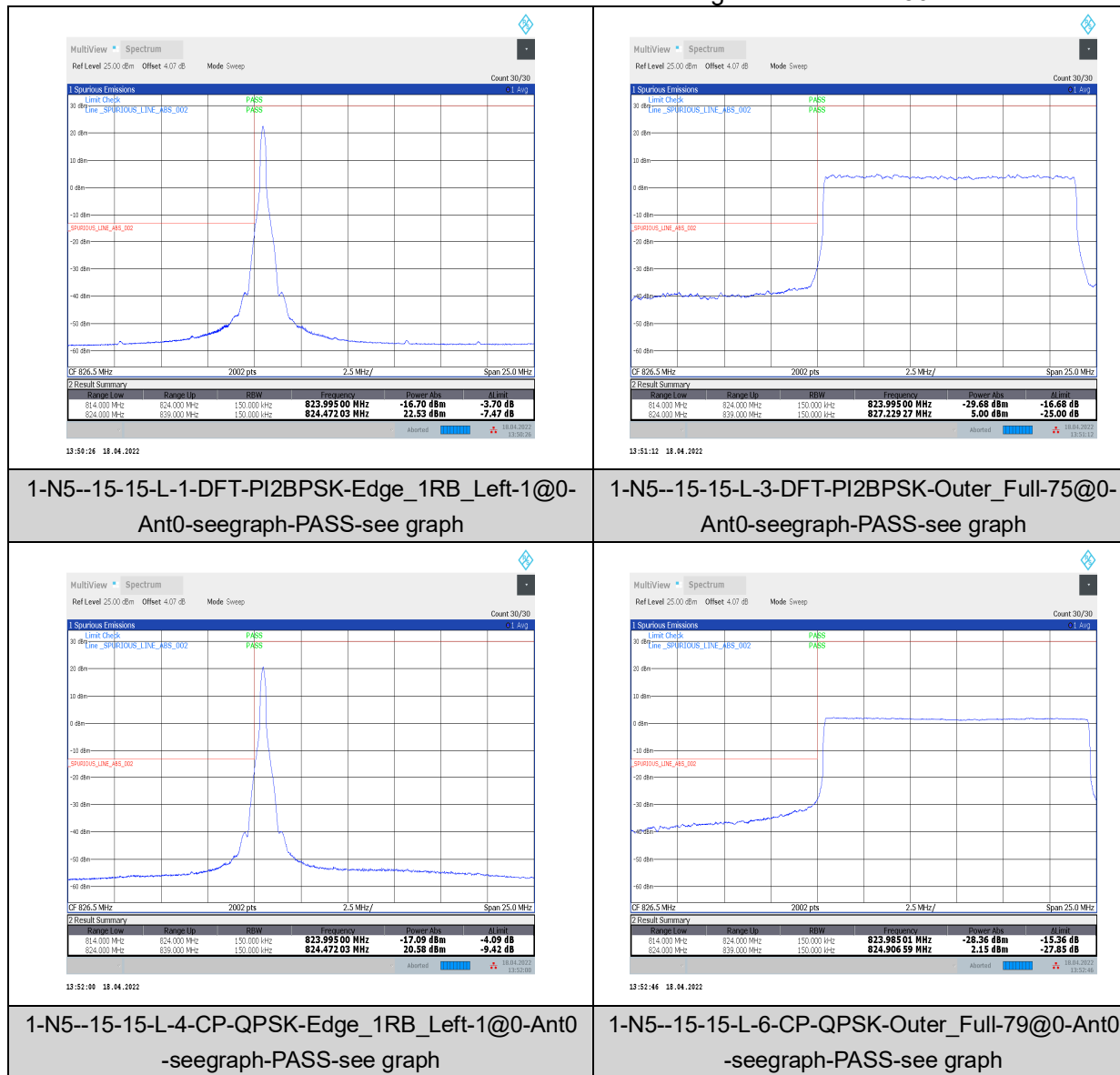
Page: 43 of 56



Report No.: SEWA2309000114RG02

Rev.: 01

Page: 44 of 56



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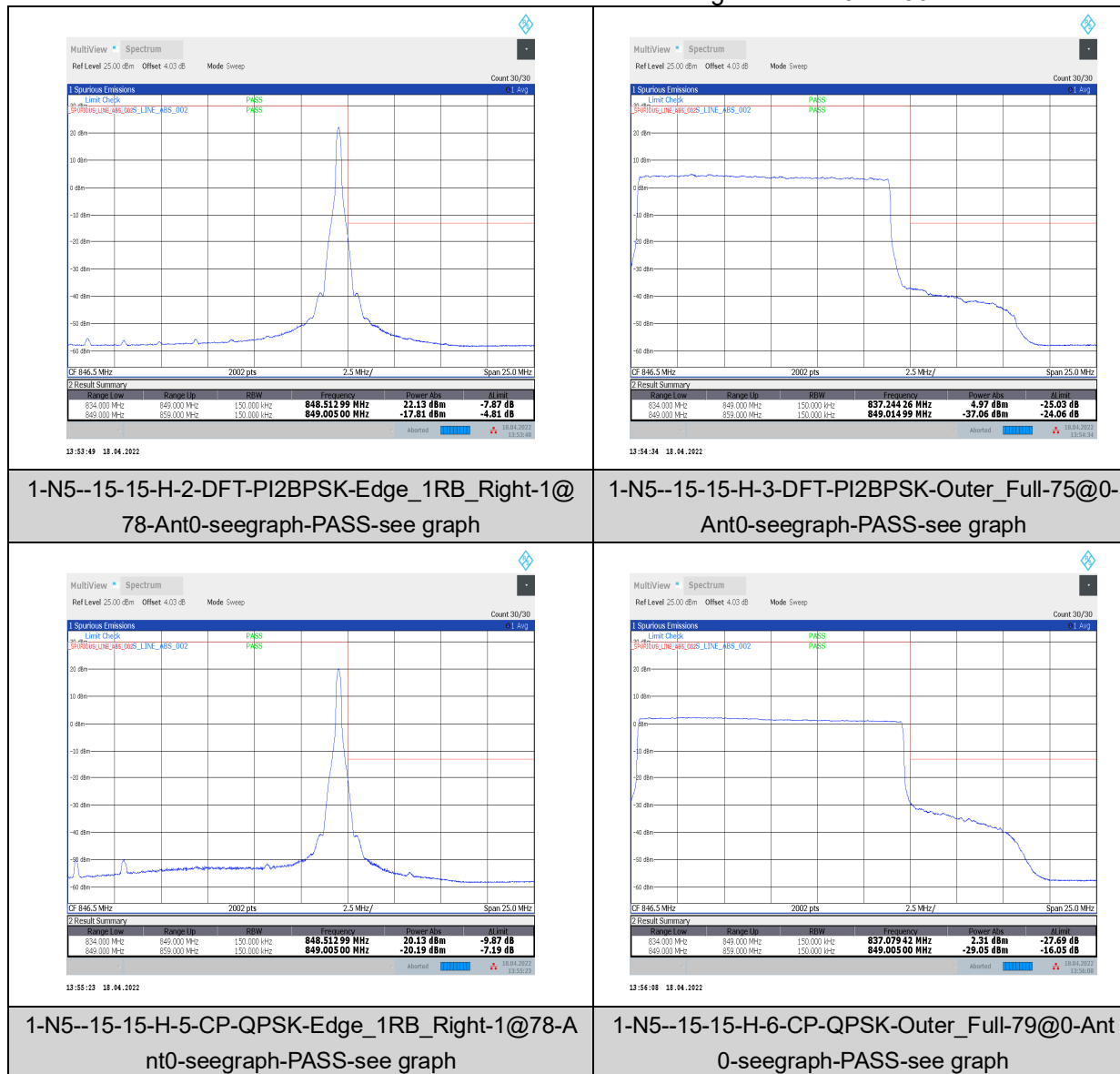
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Rev.: 01

Page: 45 of 56



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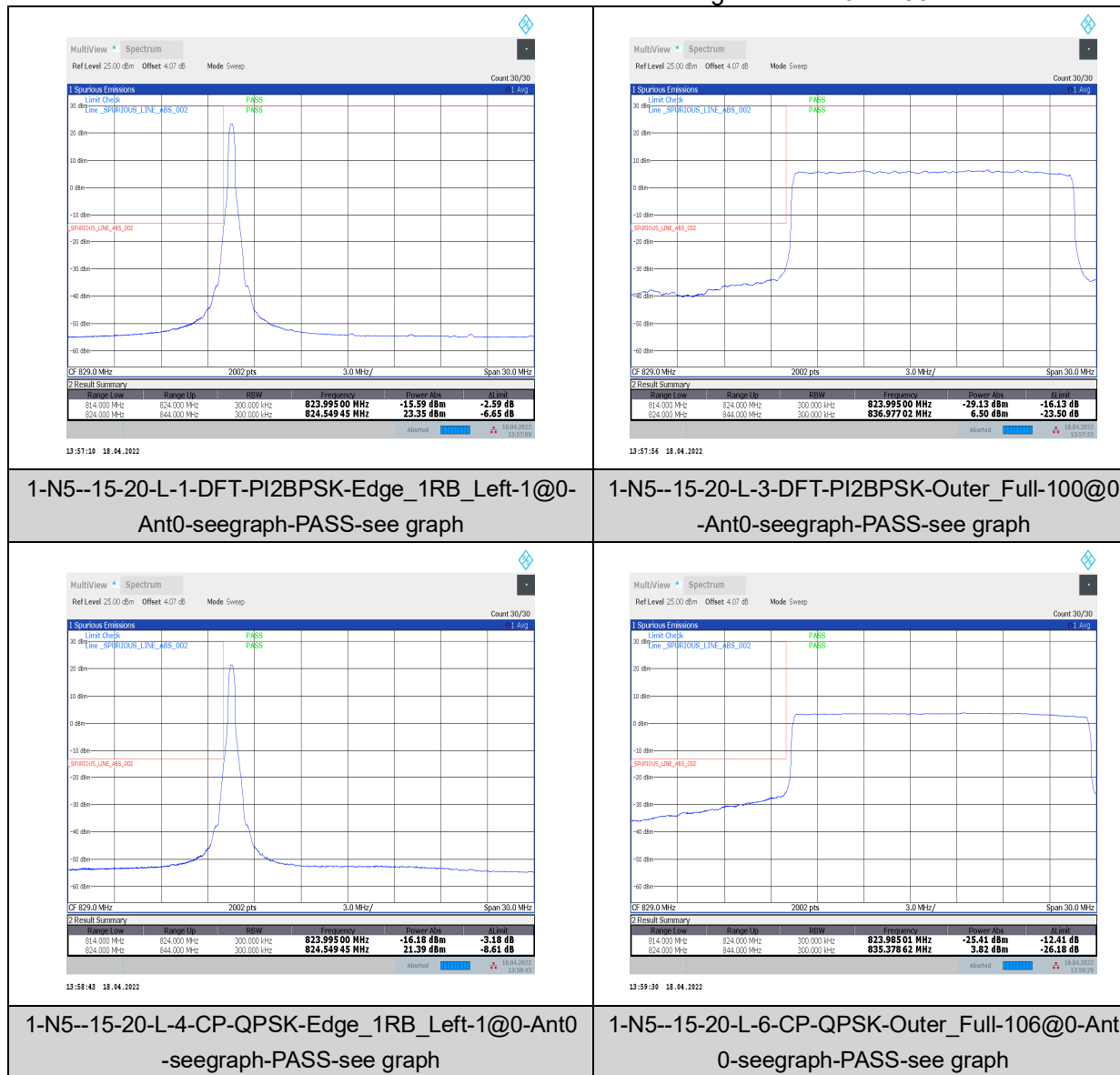
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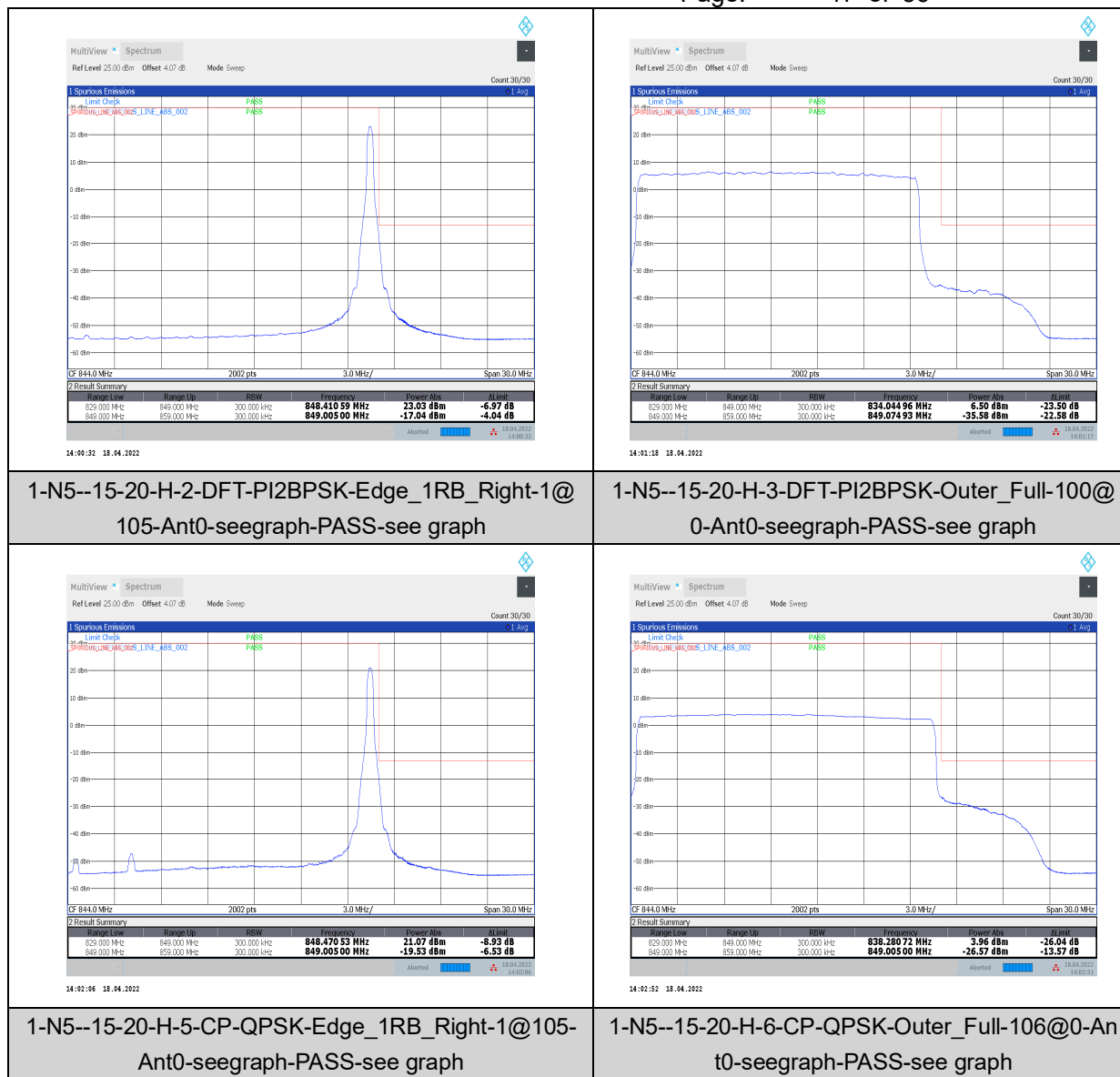
Page: 46 of 56



Report No.: SEWA2309000114RG02

Rev.: 01

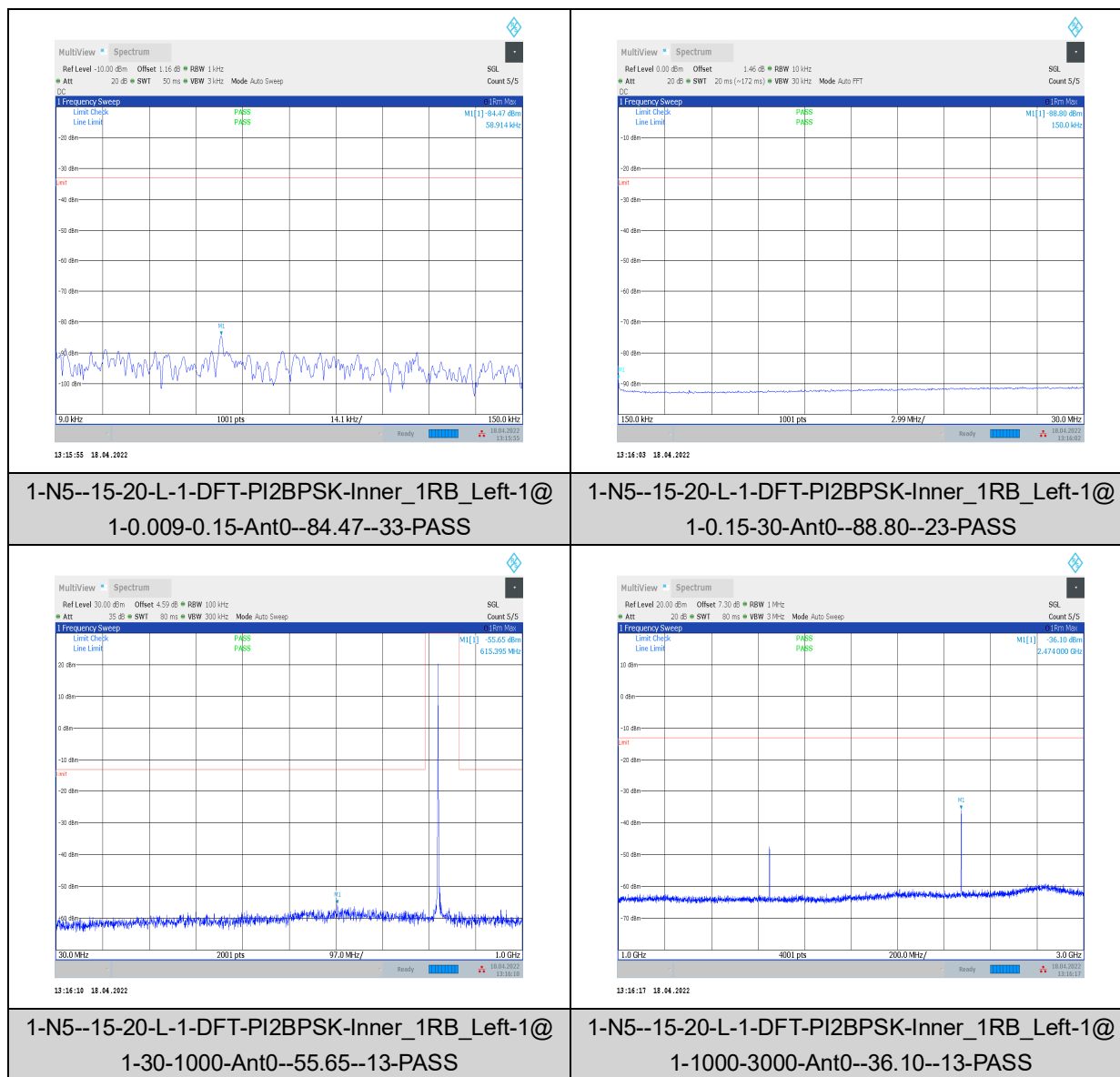
Page: 47 of 56



Report No.: SEWA2309000114RG02
Rev.: 01
Page: 48 of 56

Conducted Spurious Emission for SA

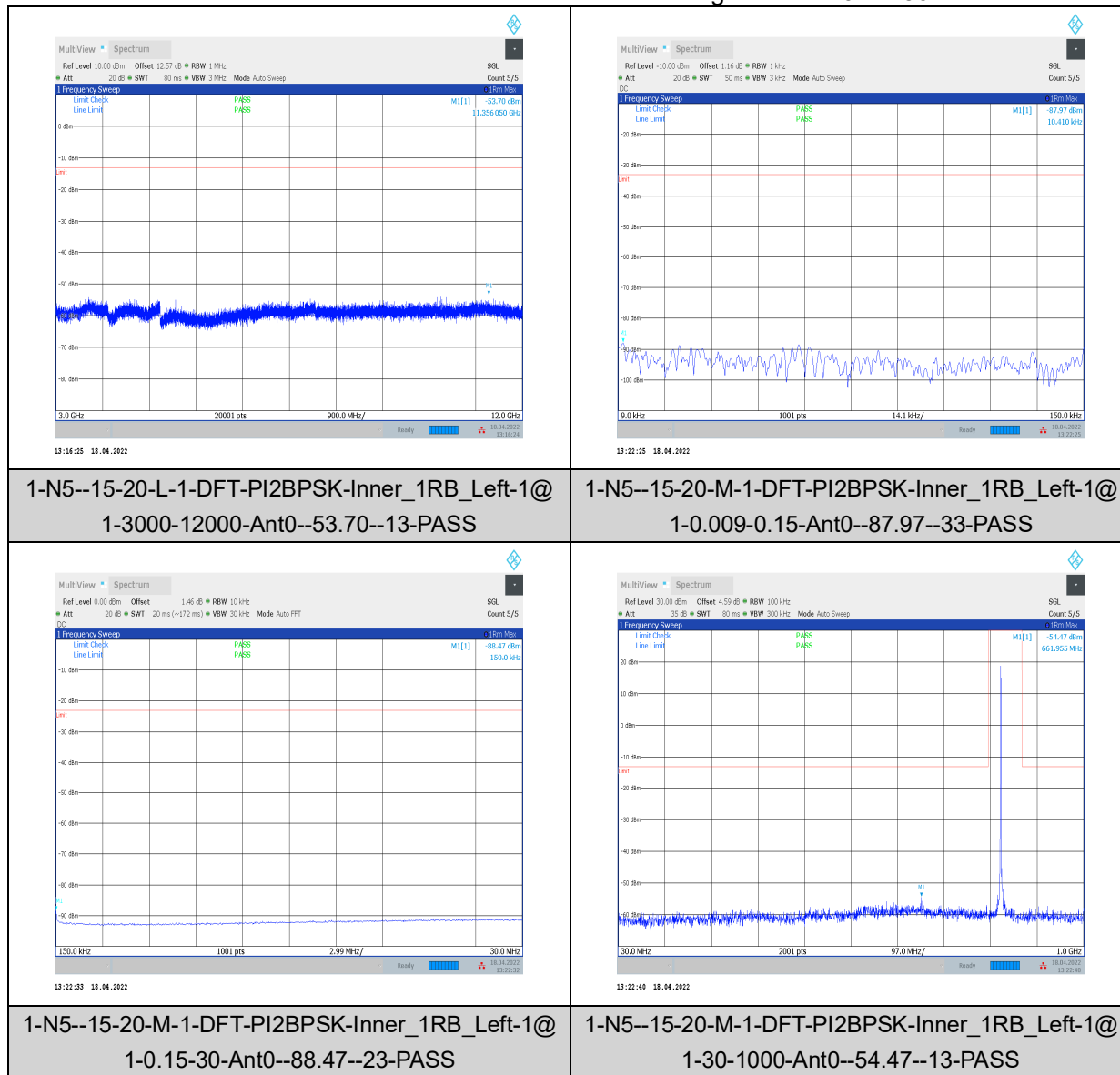
Test Graphs



Report No.: SEWA2309000114RG02

Rev.: 01

Page: 49 of 56



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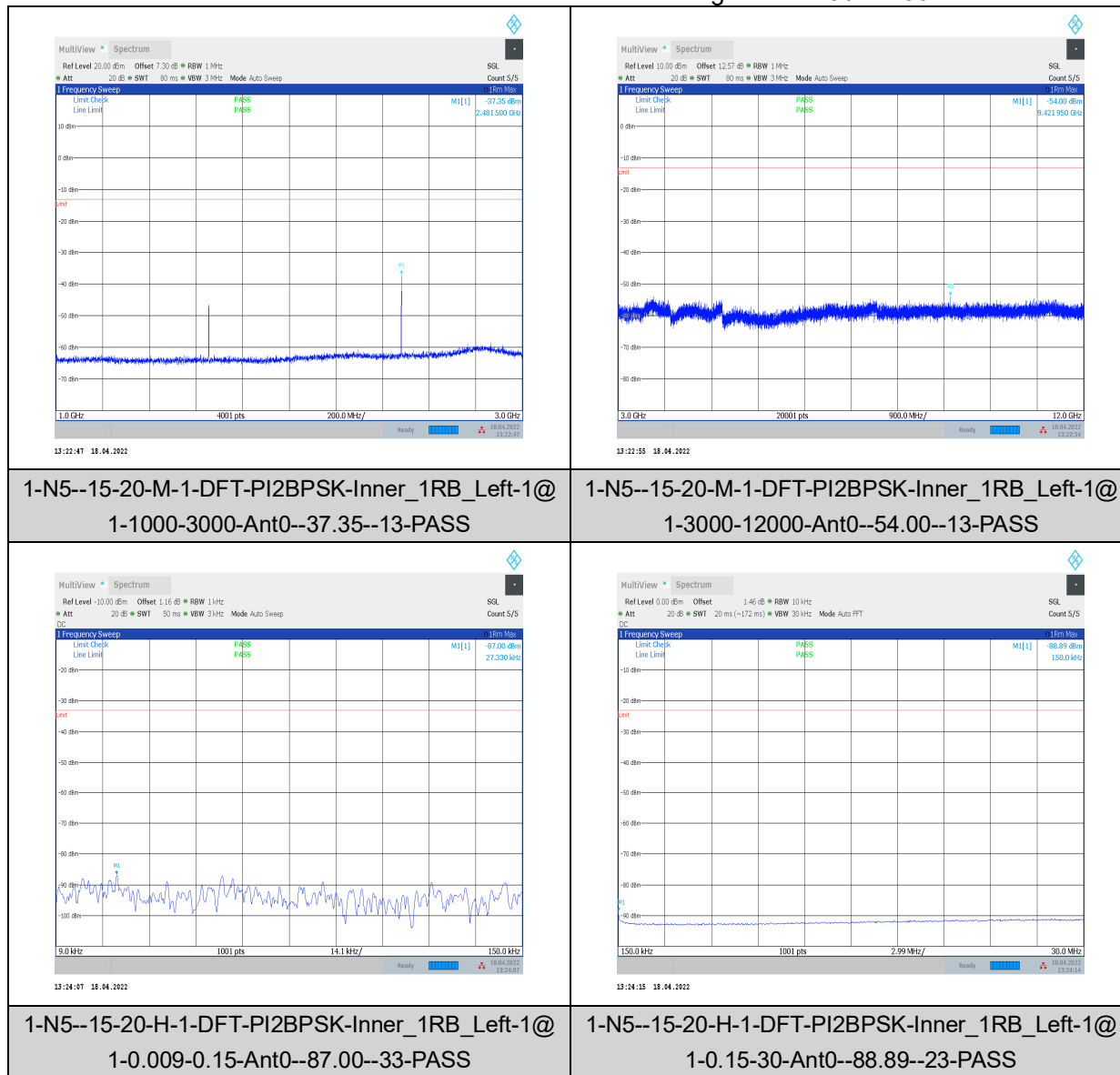
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Rev.: 01

Page: 50 of 56



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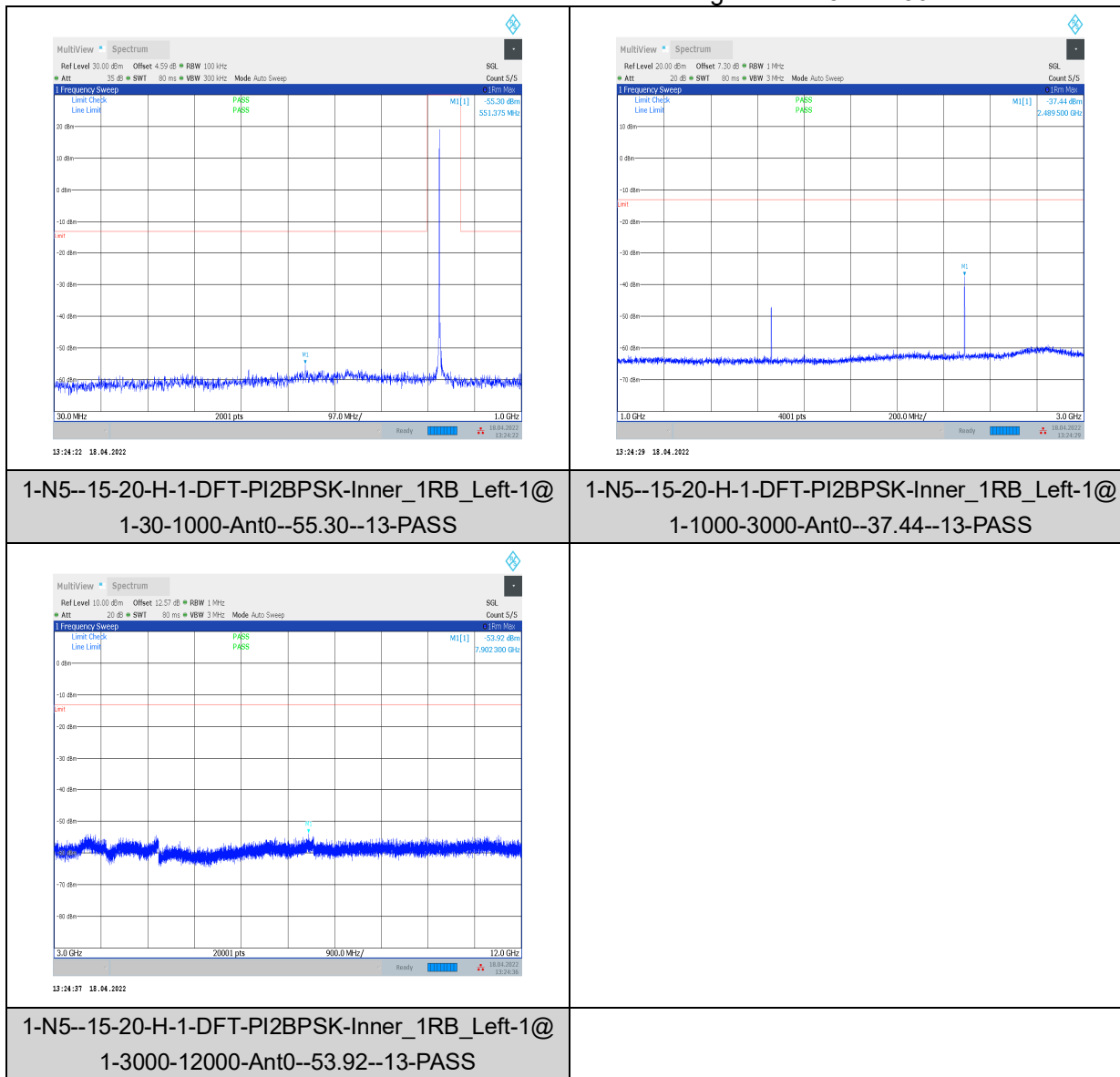
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Report No.: SEWA2309000114RG02

Rev.: 01

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Field Strength of Spurious Radiation

Test Band = SA Band 5_ TM1

Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1650	74.19	-118.07	-43.88	-13.00	30.88	263	211	Horizontal
2	2474	85.88	-114.37	-28.49	-13.00	15.49	251	115	Horizontal
3	3300.36	51.91	-111.89	-59.98	-13.00	46.98	174	115	Horizontal
4	4125.45	49.12	-109.79	-60.67	-13.00	47.67	265	200	Horizontal
5	4950.54	51.88	-107.85	-55.97	-13.00	42.97	254	357	Horizontal
6	5775.63	50.85	-105.30	-54.45	-13.00	41.45	177	211	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1650.18	53.98	-118.06	-64.08	-13.00	51.08	263	343	Vertical
2	2475.27	52.10	-114.35	-62.25	-13.00	49.25	254	360	Vertical
3	3300.36	51.16	-111.89	-60.73	-13.00	47.73	174	360	Vertical
4	4125.45	50.25	-109.79	-59.54	-13.00	46.54	185	92	Vertical
5	4950.54	51.00	-107.85	-56.85	-13.00	43.85	264	360	Vertical
6	5775.63	50.10	-105.30	-55.20	-13.00	42.20	111	124	Vertical



Report No.: SEWA2309000114RG02
 Rev.: 01
 Page: 53 of 56

Test Band = SA Band 5_ TM1
Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1654	69.13	-118.06	-48.93	-13.00	35.93	263	66	Horizontal
2	2482	87.58	-114.29	-26.71	-13.00	13.71	254	139	Horizontal
3	3310.36	52.44	-111.92	-59.48	-13.00	46.48	175	288	Horizontal
4	4137.95	49.67	-109.74	-60.07	-13.00	47.07	263	213	Horizontal
5	4965.54	51.39	-107.80	-56.41	-13.00	43.41	254	340	Horizontal
6	5793.13	51.34	-105.23	-53.89	-13.00	40.89	177	204	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1655.18	54.00	-118.05	-64.05	-13.00	51.05	142	84	Vertical
2	2460	59.80	-114.52	-54.72	-13.00	41.72	265	84	Vertical
3	3310.36	53.15	-111.92	-58.77	-13.00	45.77	284	190	Vertical
4	4137.95	50.45	-109.74	-59.29	-13.00	46.29	176	360	Vertical
5	4965.54	51.12	-107.80	-56.68	-13.00	43.68	263	318	Vertical
6	5793.13	52.01	-105.23	-53.22	-13.00	40.22	322	360	Vertical



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Report No.: SEWA2309000114RG02

Rev.: 01

Page: 54 of 56

Test Band = SA Band 5_ TM1
Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1660	65.76	-118.04	-52.28	-13.00	39.28	262	160	Horizontal
2	2488	82.59	-114.23	-31.64	-13.00	18.64	251	234	Horizontal
3	3320.36	52.19	-111.94	-59.75	-13.00	46.75	174	96	Horizontal
4	4150.45	50.16	-109.67	-59.51	-13.00	46.51	186	251	Horizontal
5	4980.54	51.16	-107.74	-56.58	-13.00	43.58	264	356	Horizontal
6	5810.63	51.93	-105.13	-53.20	-13.00	40.20	188	212	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1660.18	54.19	-118.04	-63.85	-13.00	50.85	241	179	Vertical
2	2490.27	52.25	-114.18	-61.93	-13.00	48.93	175	114	Vertical
3	3320.36	50.96	-111.94	-60.98	-13.00	47.98	262	114	Vertical
4	4150.45	49.13	-109.67	-60.54	-13.00	47.54	251	359	Vertical
5	4980.54	51.28	-107.74	-56.46	-13.00	43.46	144	179	Vertical
6	5810.63	51.77	-105.13	-53.36	-13.00	40.36	186	345	Vertical



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Report No.: SEWA2309000114RG02

Rev.: 01

Page: 55 of 56

Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	0.700000	0.000837	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-2.000000	-0.002391	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	4.500000	0.005380	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VH	NT	2.400000	0.002869	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VN	NT	2.600000	0.003108	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VL	NT	39.000000	0.046623	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	3.400000	0.004065	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	3.800000	0.004543	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	5.900000	0.007053	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	2.200000	0.002630	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	4.200000	0.005021	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-1.300000	-0.001554	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	6.900000	0.008249	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	7.800000	0.009325	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	2.700000	0.003228	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-30	11.600000	0.013867	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-20	5.500000	0.006575	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-10	12.400000	0.014824	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	0	6.700000	0.008010	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	10	6.200000	0.007412	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	20	9.200000	0.010998	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	30	2.300000	0.002750	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	40	9.900000	0.011835	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	50	2.200000	0.002630	PASS

---End of Attachment---

