



Appendix B.10

NR Band n5



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Effective (Isotropic) Radiated Power Output Data for SA for

ZEWM2306000857RG02

Test Result

ANT7

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit	Verdict
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.72	24.97	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.59	24.84	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Outer_Full	23.20	24.45	38.45	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Left	23.78	25.03	38.45	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Right	23.89	25.14	38.45	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	22.82	24.07	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Left	22.73	23.98	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Right	22.72	23.97	38.45	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	21.67	22.92	38.45	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Left	21.51	22.76	38.45	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Right	21.44	22.69	38.45	PASS
N5	15	5	DFT-64QAM	L	Outer_Full	21.69	22.94	38.45	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Left	19.65	20.9	38.45	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Right	19.48	20.73	38.45	PASS
N5	15	5	DFT-256QAM	L	Outer_Full	19.56	20.81	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.72	24.97	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.83	25.08	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	23.16	24.41	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Left	23.70	24.95	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Right	23.79	25.04	38.45	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	22.76	24.01	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Left	22.54	23.79	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Right	22.85	24.1	38.45	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	21.69	22.94	38.45	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Left	21.54	22.79	38.45	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Right	21.48	22.73	38.45	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	21.63	22.88	38.45	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Left	19.62	20.87	38.45	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Right	19.67	20.92	38.45	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	19.60	20.85	38.45	PASS



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N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.58	24.83	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.50	24.75	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Outer_Full	23.14	24.39	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Left	23.98	25.23	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Right	23.73	24.98	38.45	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	22.74	23.99	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Left	22.73	23.98	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Right	22.67	23.92	38.45	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	21.60	22.85	38.45	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Left	21.66	22.91	38.45	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Right	21.41	22.66	38.45	PASS
N5	15	5	DFT-64QAM	H	Outer_Full	21.49	22.74	38.45	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Left	19.64	20.89	38.45	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Right	19.51	20.76	38.45	PASS
N5	15	5	DFT-256QAM	H	Outer_Full	19.51	20.76	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.76	25.01	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.73	24.98	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Outer_Full	23.31	24.56	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Left	23.72	24.97	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Right	23.62	24.87	38.45	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	22.82	24.07	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Left	22.83	24.08	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Right	22.57	23.82	38.45	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	21.79	23.04	38.45	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Left	21.63	22.88	38.45	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Right	21.52	22.77	38.45	PASS
N5	15	10	DFT-64QAM	L	Outer_Full	21.79	23.04	38.45	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Left	19.52	20.77	38.45	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Right	19.63	20.88	38.45	PASS
N5	15	10	DFT-256QAM	L	Outer_Full	19.68	20.93	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.62	24.87	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.83	25.08	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	23.18	24.43	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Left	23.66	24.91	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Right	23.88	25.13	38.45	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	22.61	23.86	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Left	22.67	23.92	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Right	22.76	24.01	38.45	PASS



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N5	15	10	DFT-16QAM	M	Outer_Full	21.63	22.88	38.45	PASS
N5	15	10	DFT-64QAM	M	Inner_1RB_Left	21.35	22.6	38.45	PASS
N5	15	10	DFT-64QAM	M	Inner_1RB_Right	21.79	23.04	38.45	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	21.66	22.91	38.45	PASS
N5	15	10	DFT-256QAM	M	Inner_1RB_Left	19.62	20.87	38.45	PASS
N5	15	10	DFT-256QAM	M	Inner_1RB_Right	19.87	21.12	38.45	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	19.53	20.78	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.73	24.98	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.88	25.13	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Outer_Full	23.46	24.71	38.45	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Left	23.77	25.02	38.45	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Right	24.00	25.25	38.45	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	22.98	24.23	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Left	22.68	23.93	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Right	22.69	23.94	38.45	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	21.79	23.04	38.45	PASS
N5	15	10	DFT-64QAM	H	Inner_1RB_Left	21.59	22.84	38.45	PASS
N5	15	10	DFT-64QAM	H	Inner_1RB_Right	21.72	22.97	38.45	PASS
N5	15	10	DFT-64QAM	H	Outer_Full	21.74	22.99	38.45	PASS
N5	15	10	DFT-256QAM	H	Inner_1RB_Left	19.79	21.04	38.45	PASS
N5	15	10	DFT-256QAM	H	Inner_1RB_Right	19.72	20.97	38.45	PASS
N5	15	10	DFT-256QAM	H	Outer_Full	19.84	21.09	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.70	24.95	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.90	25.15	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Outer_Full	23.33	24.58	38.45	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Left	23.84	25.09	38.45	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Right	23.90	25.15	38.45	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	22.81	24.06	38.45	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Left	22.73	23.98	38.45	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Right	22.75	24	38.45	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	21.88	23.13	38.45	PASS
N5	15	15	DFT-64QAM	L	Inner_1RB_Left	21.47	22.72	38.45	PASS
N5	15	15	DFT-64QAM	L	Inner_1RB_Right	21.71	22.96	38.45	PASS
N5	15	15	DFT-64QAM	L	Outer_Full	21.74	22.99	38.45	PASS
N5	15	15	DFT-256QAM	L	Inner_1RB_Left	19.50	20.75	38.45	PASS
N5	15	15	DFT-256QAM	L	Inner_1RB_Right	19.84	21.09	38.45	PASS
N5	15	15	DFT-256QAM	L	Outer_Full	19.71	20.96	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.50	24.75	38.45	PASS



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N5	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.94	25.19	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	23.29	24.54	38.45	PASS
N5	15	15	DFT-QPSK	M	Inner_1RB_Left	23.80	25.05	38.45	PASS
N5	15	15	DFT-QPSK	M	Inner_1RB_Right	23.86	25.11	38.45	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	22.88	24.13	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Left	22.59	23.84	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Right	22.92	24.17	38.45	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	21.92	23.17	38.45	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Left	21.57	22.82	38.45	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Right	21.81	23.06	38.45	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	21.65	22.9	38.45	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Left	19.28	20.53	38.45	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Right	19.86	21.11	38.45	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	19.63	20.88	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.57	24.82	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.96	25.21	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Outer_Full	23.34	24.59	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Left	23.67	24.92	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Right	24.06	25.31	38.45	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	22.84	24.09	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Left	22.63	23.88	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Right	22.89	24.14	38.45	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	21.91	23.16	38.45	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Left	21.41	22.66	38.45	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Right	21.57	22.82	38.45	PASS
N5	15	15	DFT-64QAM	H	Outer_Full	21.71	22.96	38.45	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Left	19.62	20.87	38.45	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Right	19.81	21.06	38.45	PASS
N5	15	15	DFT-256QAM	H	Outer_Full	19.69	20.94	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	23.77	25.02	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	23.82	25.07	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Outer_Full	23.33	24.58	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Left	23.82	25.07	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Right	24.00	25.25	38.45	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	23.09	24.34	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Left	22.74	23.99	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Right	22.91	24.16	38.45	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	21.87	23.12	38.45	PASS



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N5	15	20	DFT-64QAM	L	Inner_1RB_Left	21.50	22.75	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Right	21.76	23.01	38.45	PASS
N5	15	20	DFT-64QAM	L	Outer_Full	21.75	23	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Left	19.69	20.94	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Right	19.75	21	38.45	PASS
N5	15	20	DFT-256QAM	L	Outer_Full	19.81	21.06	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.46	24.71	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.88	25.13	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	23.31	24.56	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Left	23.83	25.08	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Right	23.94	25.19	38.45	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	22.95	24.2	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Left	22.59	23.84	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Right	22.75	24	38.45	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	21.74	22.99	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Left	21.38	22.63	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Right	21.65	22.9	38.45	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	21.66	22.91	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Left	19.32	20.57	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Right	19.83	21.08	38.45	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	19.76	21.01	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	23.47	24.72	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	23.92	25.17	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Outer_Full	23.25	24.5	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Left	23.52	24.77	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Right	24.01	25.26	38.45	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	22.64	23.89	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Left	22.66	23.91	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Right	22.80	24.05	38.45	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	21.77	23.02	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Left	21.43	22.68	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Right	21.74	22.99	38.45	PASS
N5	15	20	DFT-64QAM	H	Outer_Full	21.57	22.82	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Left	19.30	20.55	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Right	19.90	21.15	38.45	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	19.72	20.97	38.45	PASS



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Effective (Isotropic) Radiated Power Output Data for SA for
ZEWM2306000856RG02

Test Result

ANT7

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit	Verdict
N5	15	20	DFT-QPSK	L	Inner_1RB_Right	23.85	25.10	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Right	23.79	25.04	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Right	23.86	25.11	38.45	PASS



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Peak-to-Average Ratio for SA

Test Result

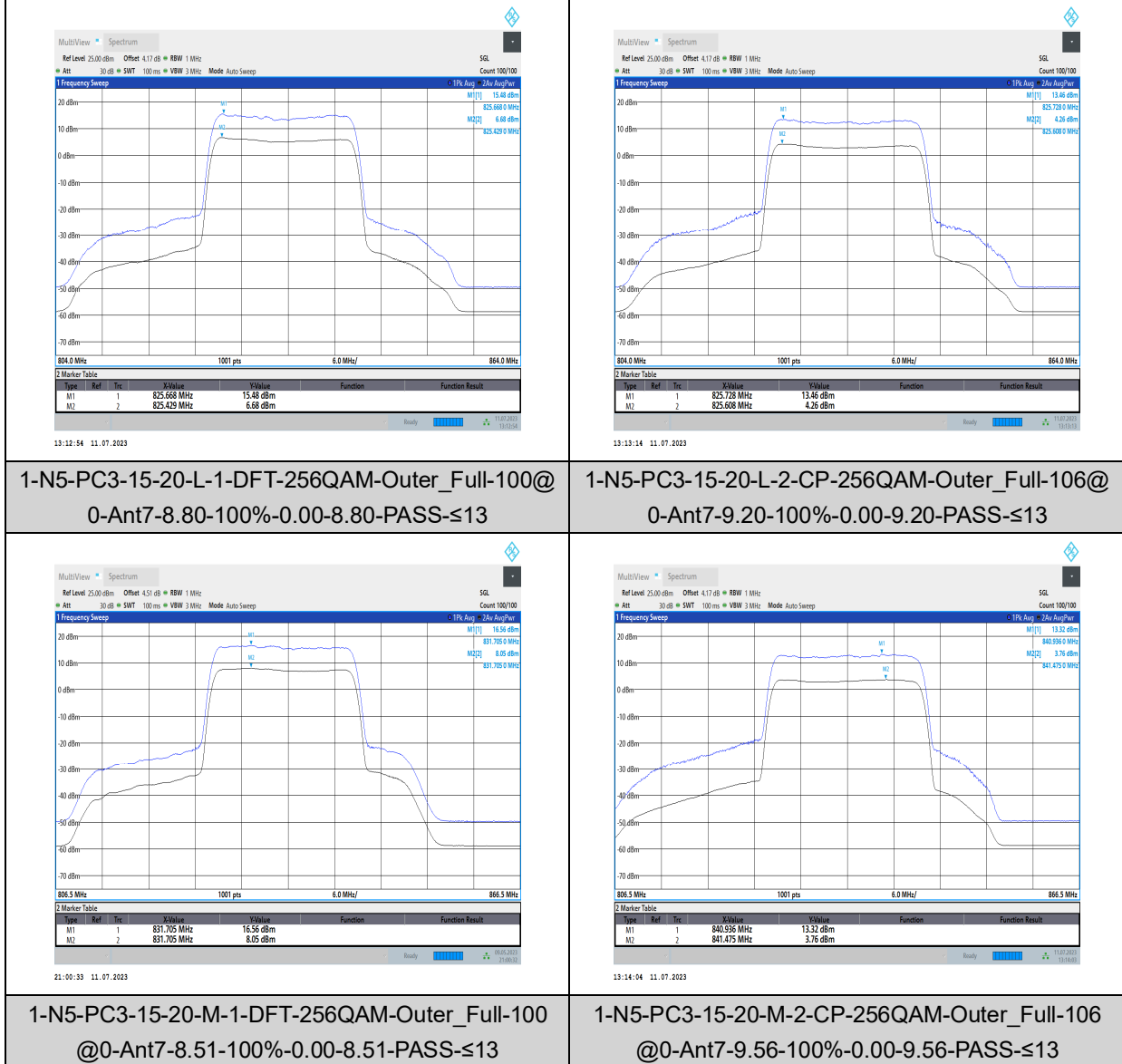
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N5	15	20	DFT-256QAM	L	Outer_Full	8.80	≤13	PASS
N5	15	20	CP-256QAM	L	Outer_Full	9.20	≤13	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	8.51	≤13	PASS
N5	15	20	CP-256QAM	M	Outer_Full	9.56	≤13	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	8.82	≤13	PASS
N5	15	20	CP-256QAM	H	Outer_Full	9.61	≤13	PASS



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Test Graphs

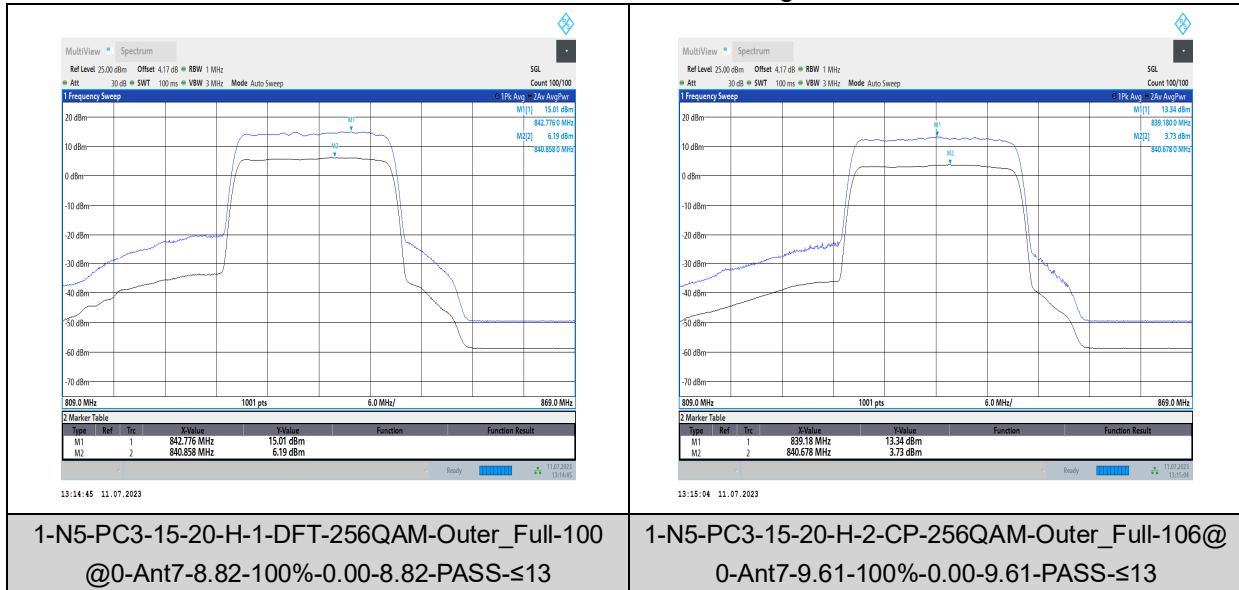


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1-N5-PC3-15-20-H-1-DFT-256QAM-Outer_Full-100
 @0-Ant7-8.82-100%-0.00-8.82-PASS-≤13

1-N5-PC3-15-20-H-2-CP-256QAM-Outer_Full-106@
 0-Ant7-9.61-100%-0.00-9.61-PASS-≤13



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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
N5	15	5	DFT-QPSK	M	Outer_Full	4.464	4.790	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	4.464	4.820	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	4.466	4.780	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	4.456	4.800	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	4.465	4.830	PASS
N5	15	5	CP-QPSK	M	Outer_Full	4.471	4.880	PASS
N5	15	5	CP-16QAM	M	Outer_Full	4.474	4.840	PASS
N5	15	5	CP-64QAM	M	Outer_Full	4.478	4.830	PASS
N5	15	5	CP-256QAM	M	Outer_Full	4.473	4.800	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	8.917	9.400	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	8.909	9.400	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	8.924	9.380	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	8.906	9.420	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	8.901	9.380	PASS
N5	15	10	CP-QPSK	M	Outer_Full	9.292	9.820	PASS
N5	15	10	CP-16QAM	M	Outer_Full	9.263	9.820	PASS
N5	15	10	CP-64QAM	M	Outer_Full	9.303	9.780	PASS
N5	15	10	CP-256QAM	M	Outer_Full	9.301	9.800	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	13.427	14.070	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	13.433	14.100	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	13.444	14.100	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	13.472	14.130	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	13.433	14.100	PASS
N5	15	15	CP-QPSK	M	Outer_Full	14.098	14.790	PASS
N5	15	15	CP-16QAM	M	Outer_Full	14.092	14.760	PASS
N5	15	15	CP-64QAM	M	Outer_Full	14.07	14.760	PASS
N5	15	15	CP-256QAM	M	Outer_Full	14.089	14.850	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	17.892	18.680	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	17.864	18.680	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	17.857	18.600	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	17.916	18.640	PASS



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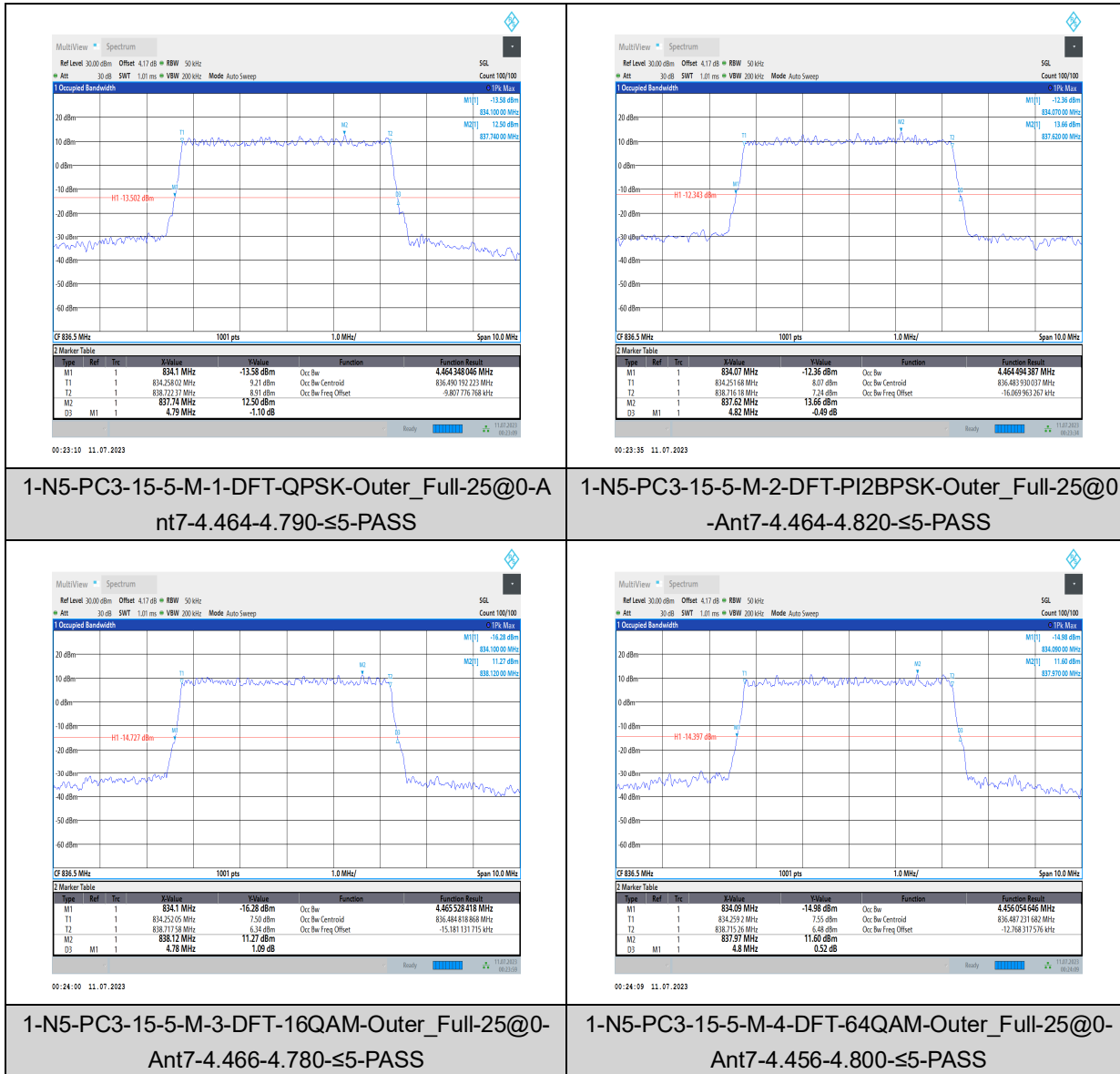
N5	15	20	DFT-256QAM	M	Outer_Full	17.893	18.680	PASS
N5	15	20	CP-QPSK	M	Outer_Full	18.928	19.640	PASS
N5	15	20	CP-16QAM	M	Outer_Full	18.910	19.720	PASS
N5	15	20	CP-64QAM	M	Outer_Full	18.916	19.760	PASS
N5	15	20	CP-256QAM	M	Outer_Full	18.922	19.600	PASS



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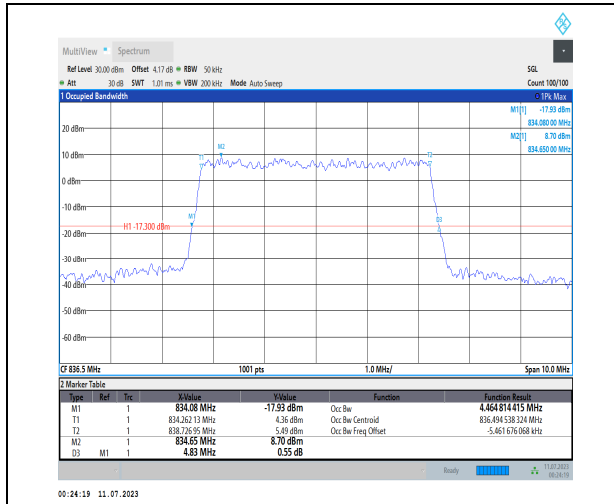
Test Graphs



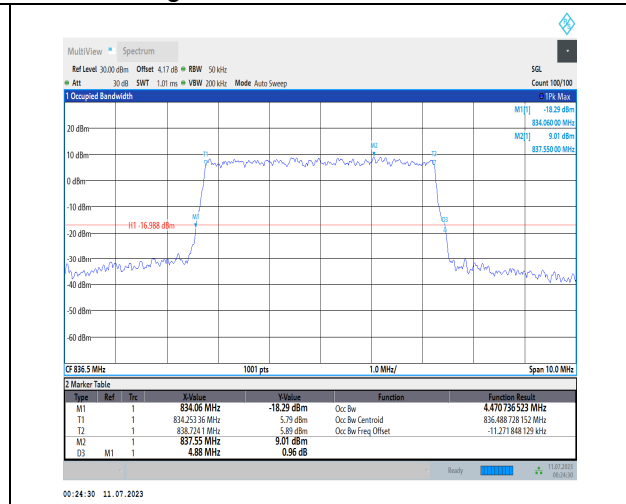
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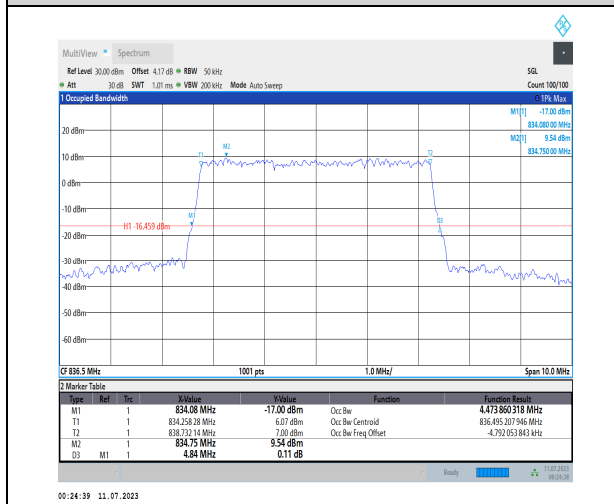
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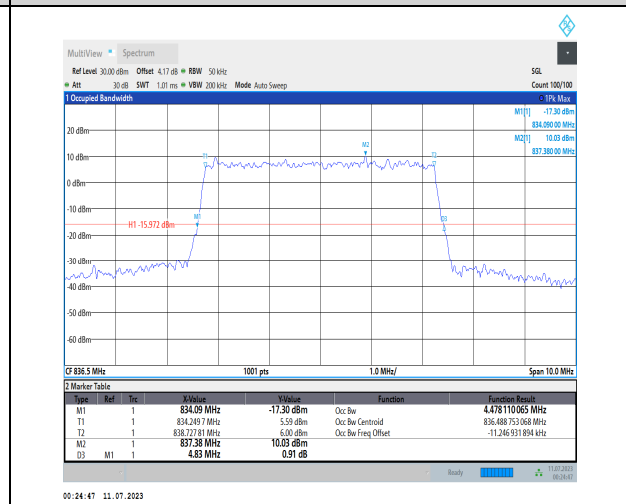
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1-N5-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-A nt7-4.474-4.840-≤5-PASS

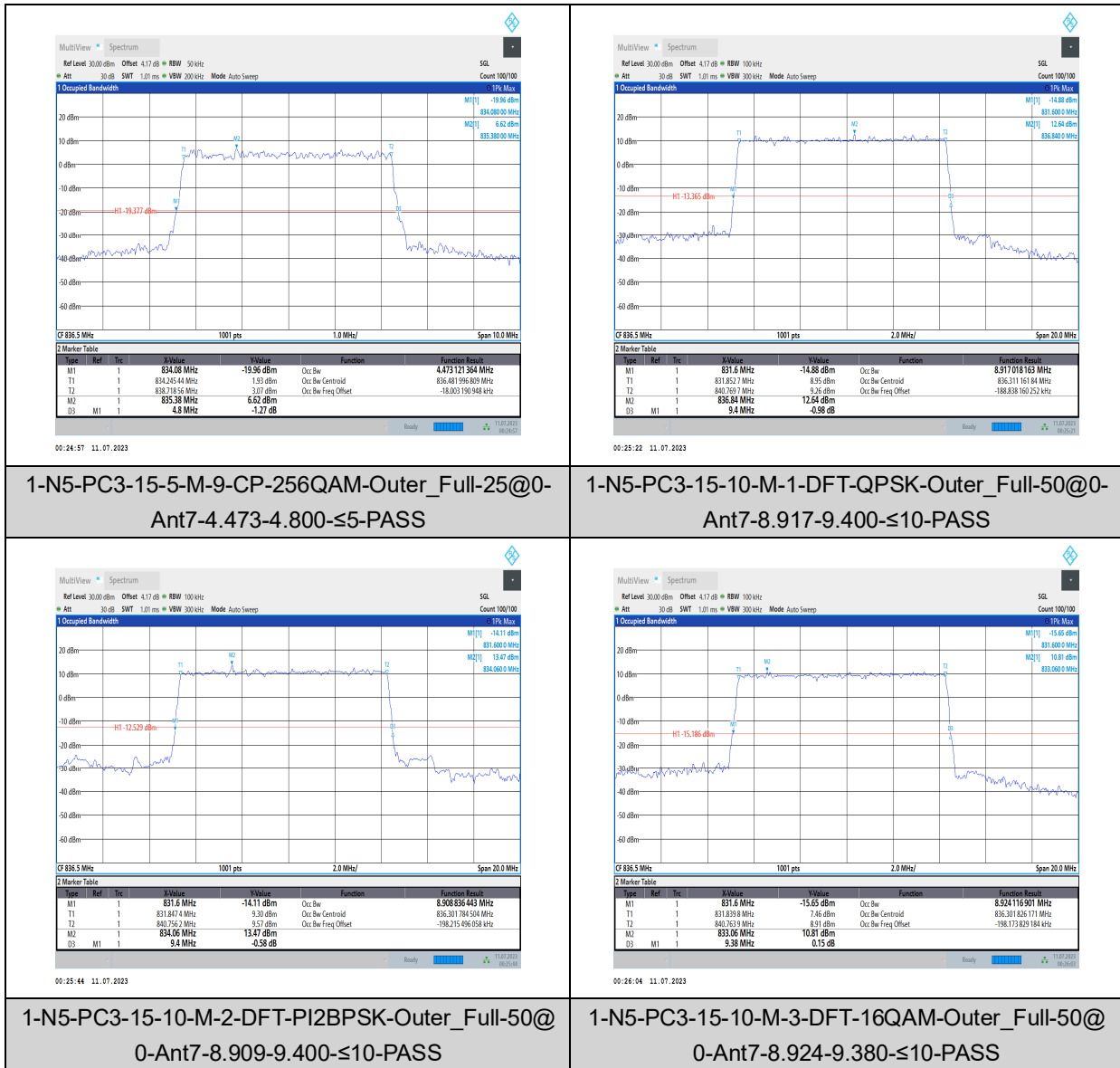


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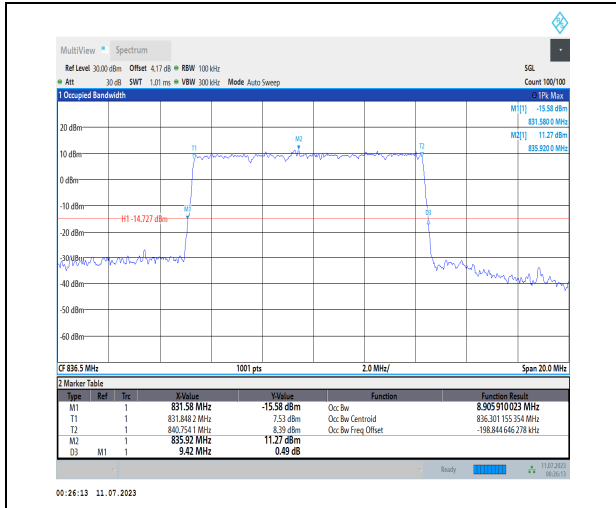
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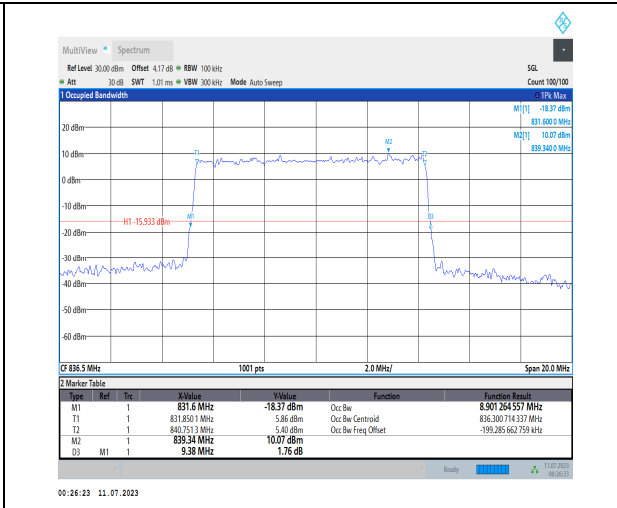
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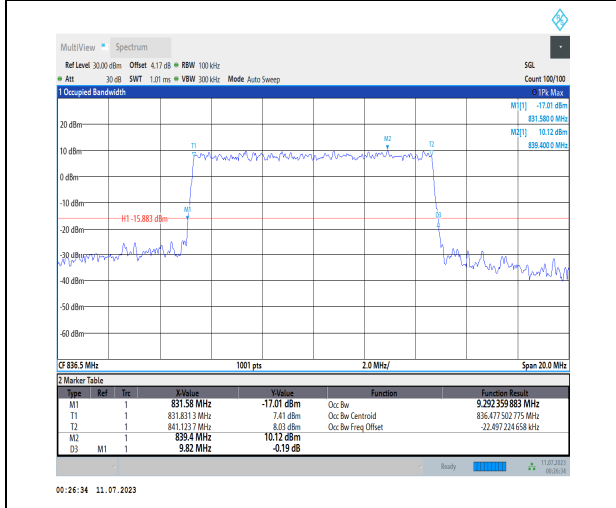
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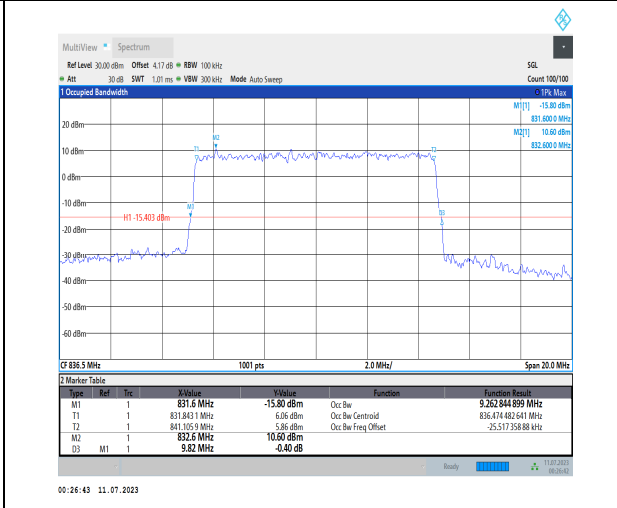
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1-N5-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50@0
 -Ant7-8.901-9.380-≤10-PASS



1-N5-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-A
 nt7-9.292-9.820-≤10-PASS



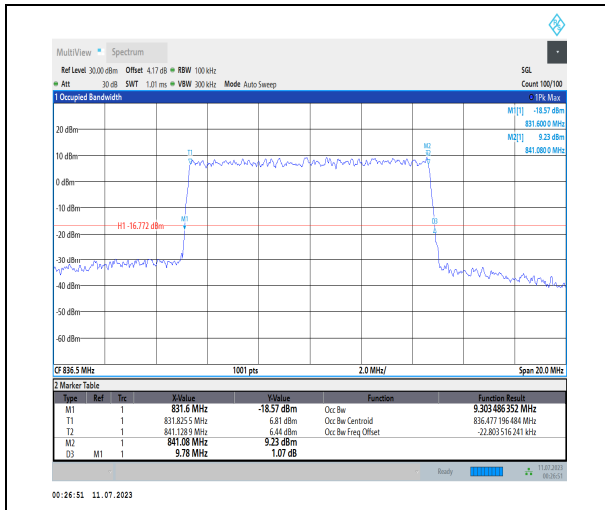
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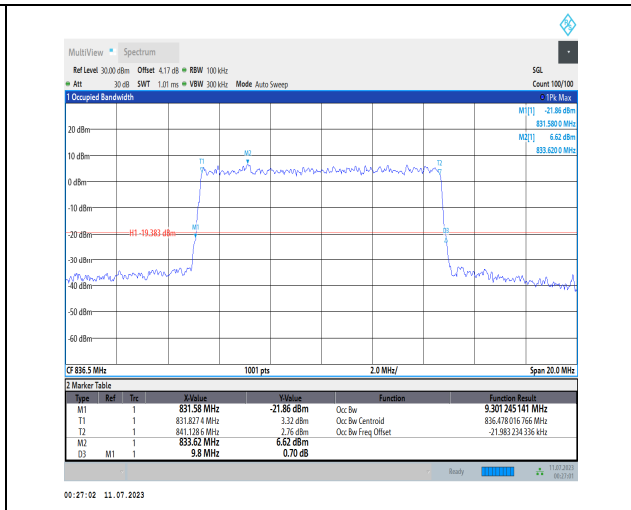
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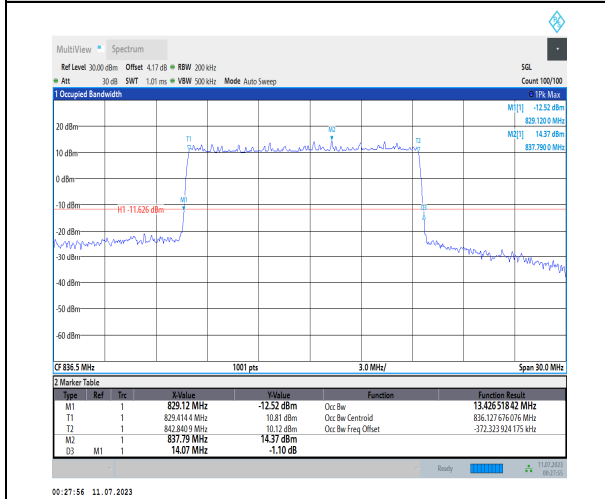
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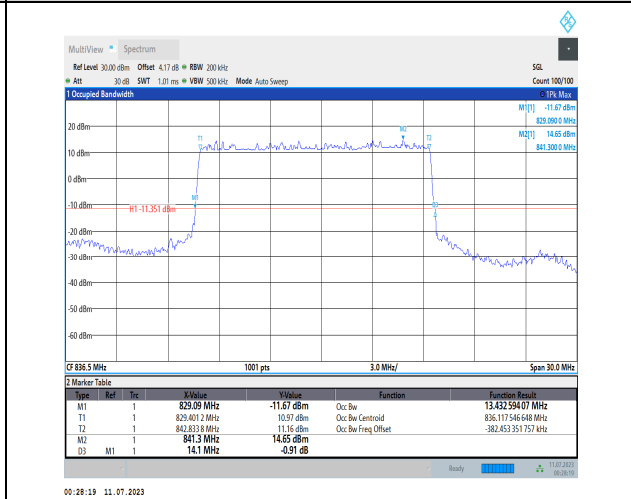
1-N5-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0
-Ant7-9.303-9.780-≤10-PASS



1-N5-PC3-15-10-M-9-CP-256QAM-Outer_Full-52@0-
Ant7-9.301-9.800-≤10-PASS



1-N5-PC3-15-15-M-1-DFT-QPSK-Outer_Full-75@0-
Ant7-13.427-14.070-≤15-PASS



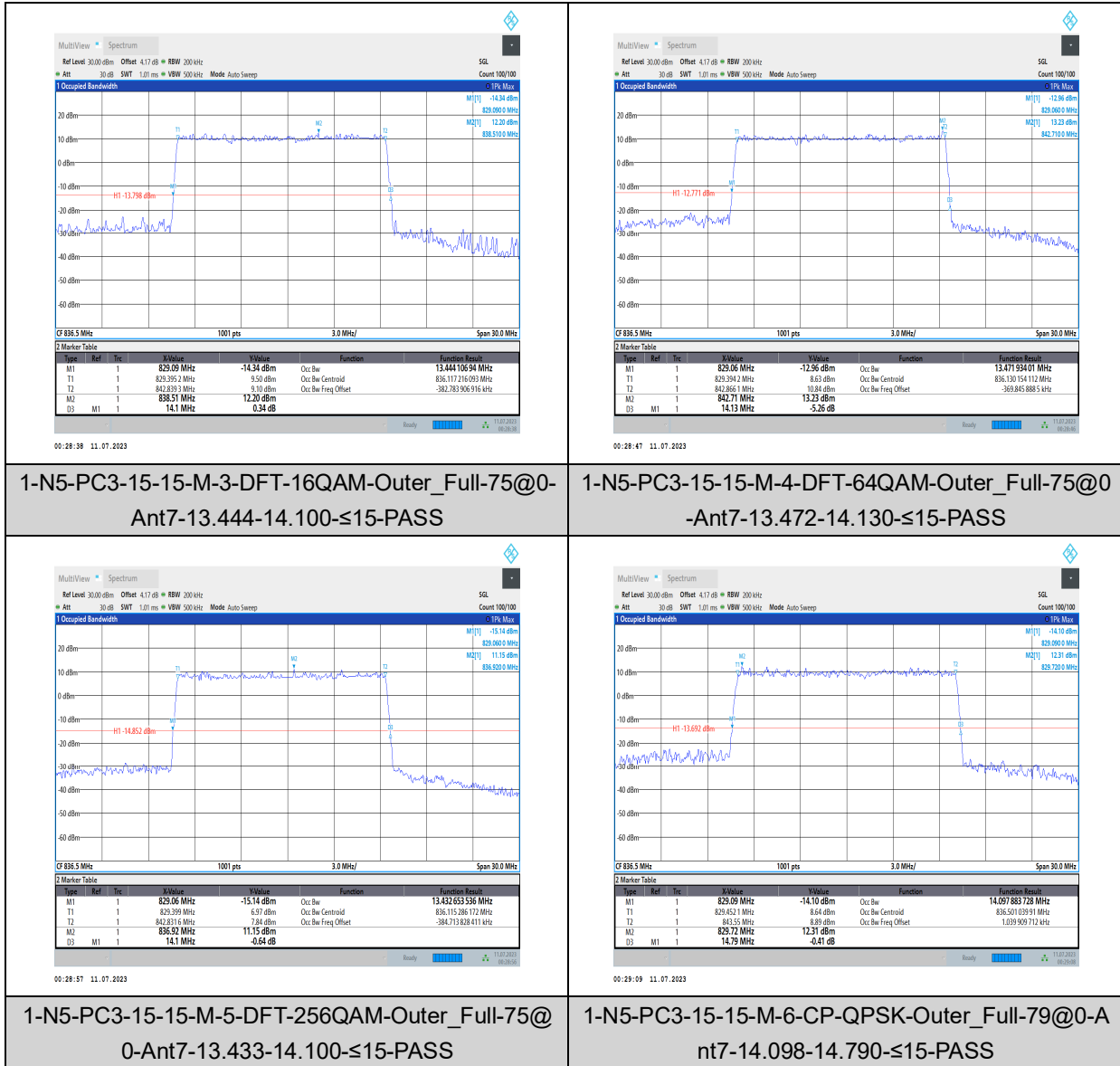
1-N5-PC3-15-15-M-2-DFT-PI2BPSK-Outer_Full-75@0-
Ant7-13.433-14.100-≤15-PASS



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1-N5-PC3-15-15-M-3-DFT-16QAM-Outer_Full-75@0-
Ant7-13.444-14.100-≤15-PASS

1-N5-PC3-15-15-M-4-DFT-64QAM-Outer_Full-75@0-
-Ant7-13.472-14.130-≤15-PASS

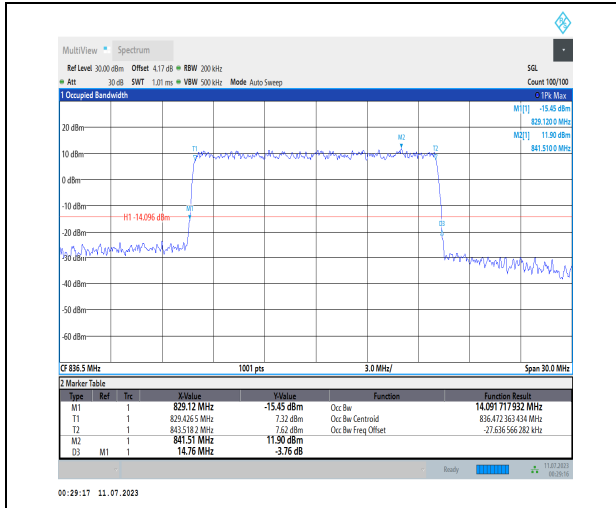
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Ant7-13.433-14.100-≤15-PASS

1-N5-PC3-15-15-M-6-CP-QPSK-Outer_Full-79@0-A
nt7-14.098-14.790-≤15-PASS



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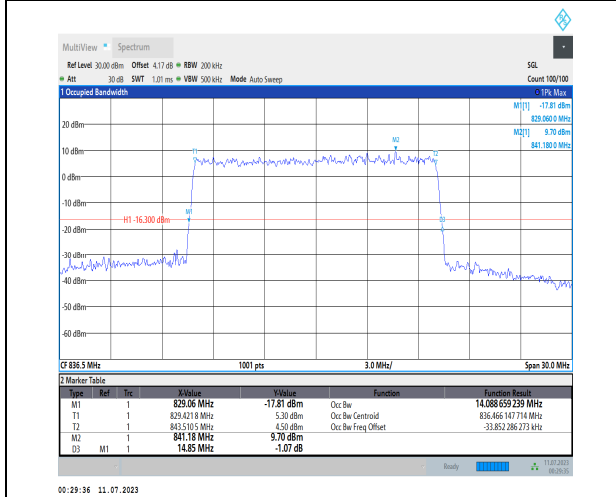
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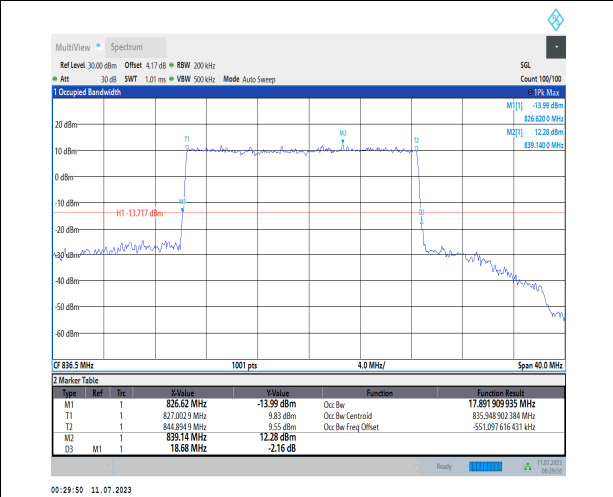
1-N5-PC3-15-15-M-7-CP-16QAM-Outer_Full-79@0-
Ant7-14.092-14.760-≤15-PASS



1-N5-PC3-15-15-M-8-CP-64QAM-Outer_Full-79@0-
Ant7-14.07-14.760-≤15-PASS



1-N5-PC3-15-15-M-9-CP-256QAM-Outer_Full-79@0-
-Ant7-14.089-14.850-≤15-PASS



1-N5-PC3-15-20-M-1-DFT-QPSK-Outer_Full-100@0-
-Ant7-17.892-18.680-≤20-PASS



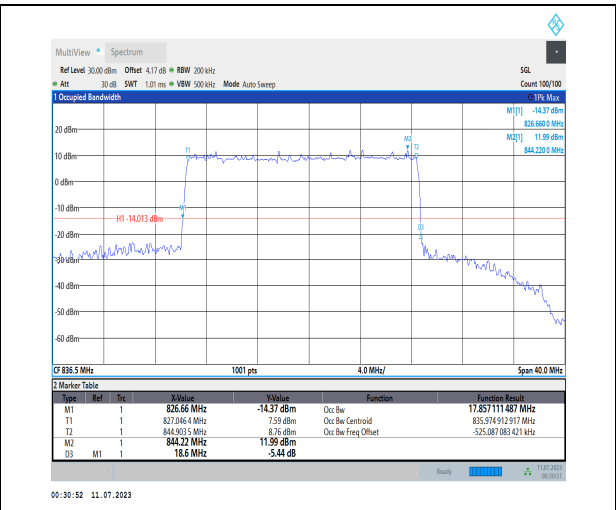
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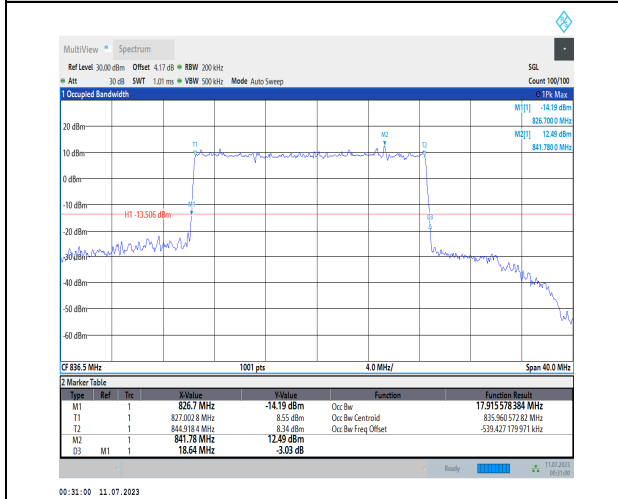
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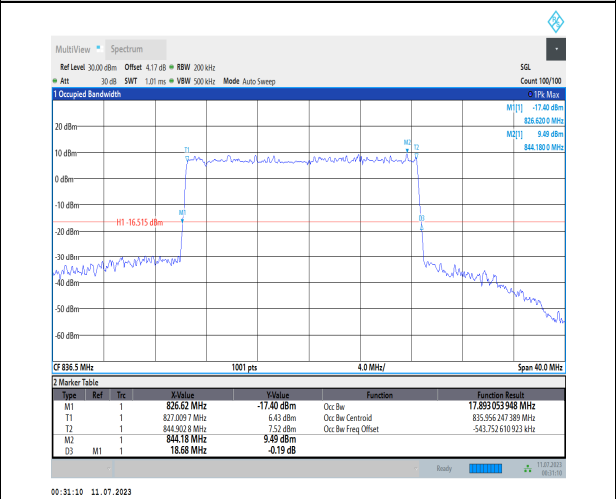
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1-N5-PC3-15-20-M-3-DFT-16QAM-Outer_Full-100@0-Ant7-17.857-18.600-≤20-PASS



1-N5-PC3-15-20-M-4-DFT-64QAM-Outer_Full-100@0-Ant7-17.916-18.640-≤20-PASS



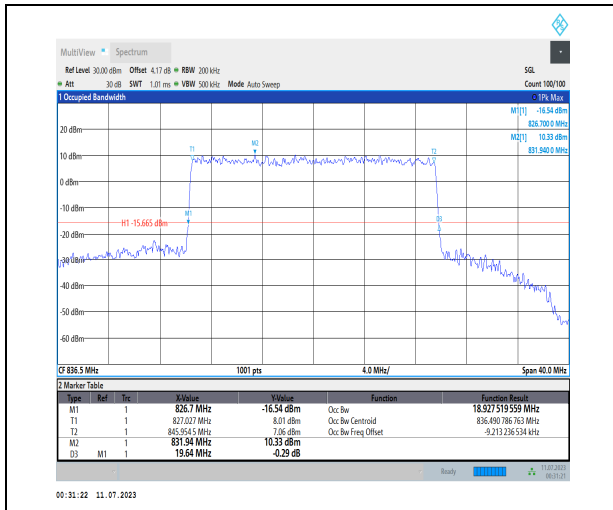
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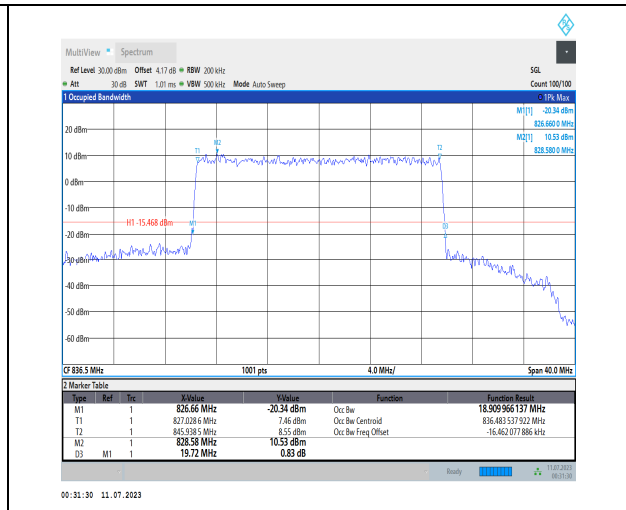
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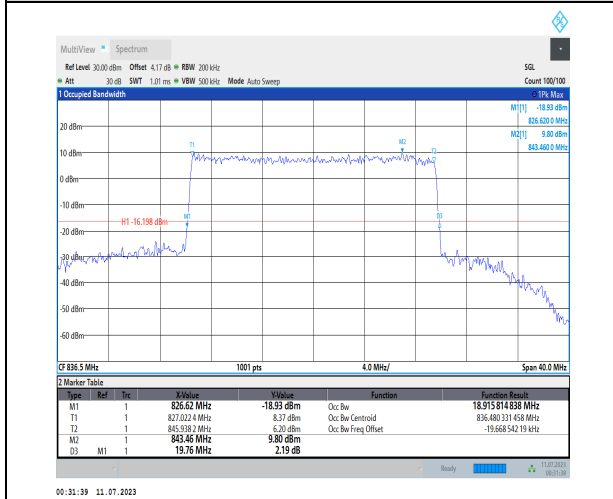
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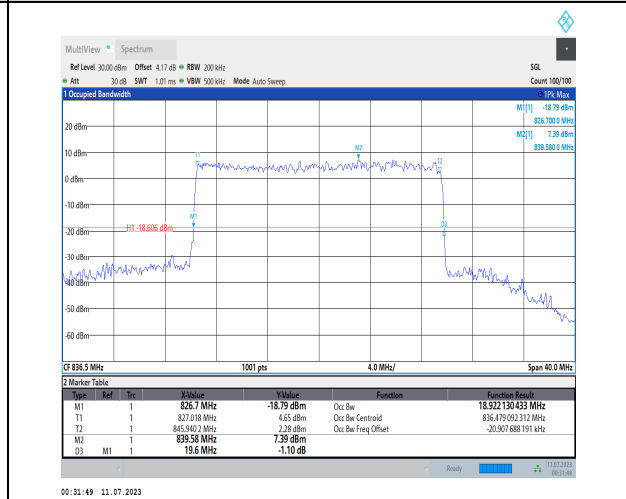
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1-N5-PC3-15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant7-18.91-19.720-<=20-PASS



1-N5-PC3-15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant7-18.916-19.760-<=20-PASS



1-N5-PC3-15-20-M-9-CP-256QAM-Outer_Full-106@0-Ant7-18.922-19.600-<=20-PASS



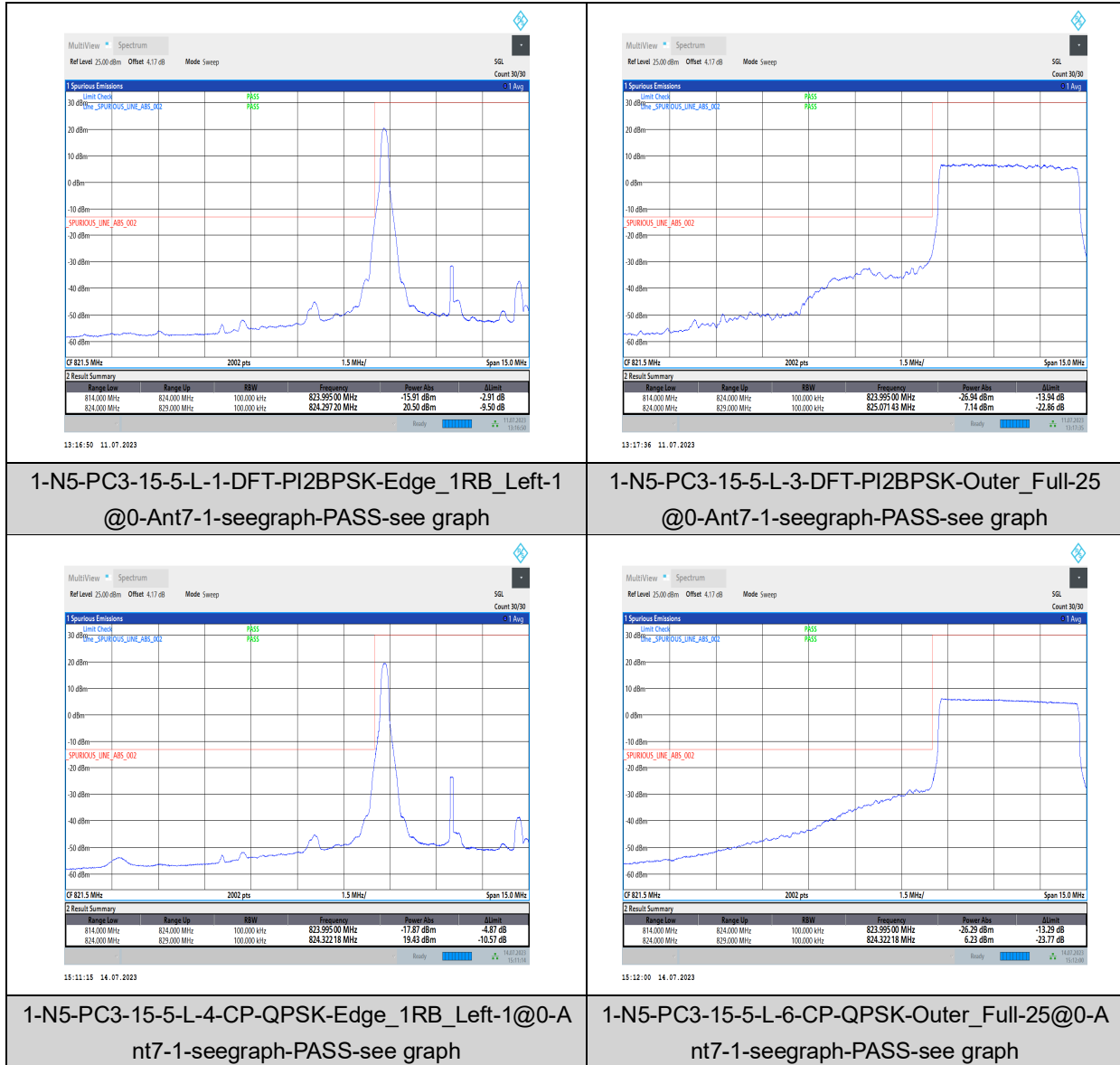
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Band Edge for SA

Test Graphs



1-N5-PC3-15-5-L-1-DFT-PI2BPSK-Edge_1RB_Left-1
 @0-Ant7-1-seegraph-PASS-see graph

1-N5-PC3-15-5-L-3-DFT-PI2BPSK-Outer_Full-25
 @0-Ant7-1-seegraph-PASS-see graph

1-N5-PC3-15-5-L-4-CP-QPSK-Edge_1RB_Left-1@0-A
 nt7-1-seegraph-PASS-see graph

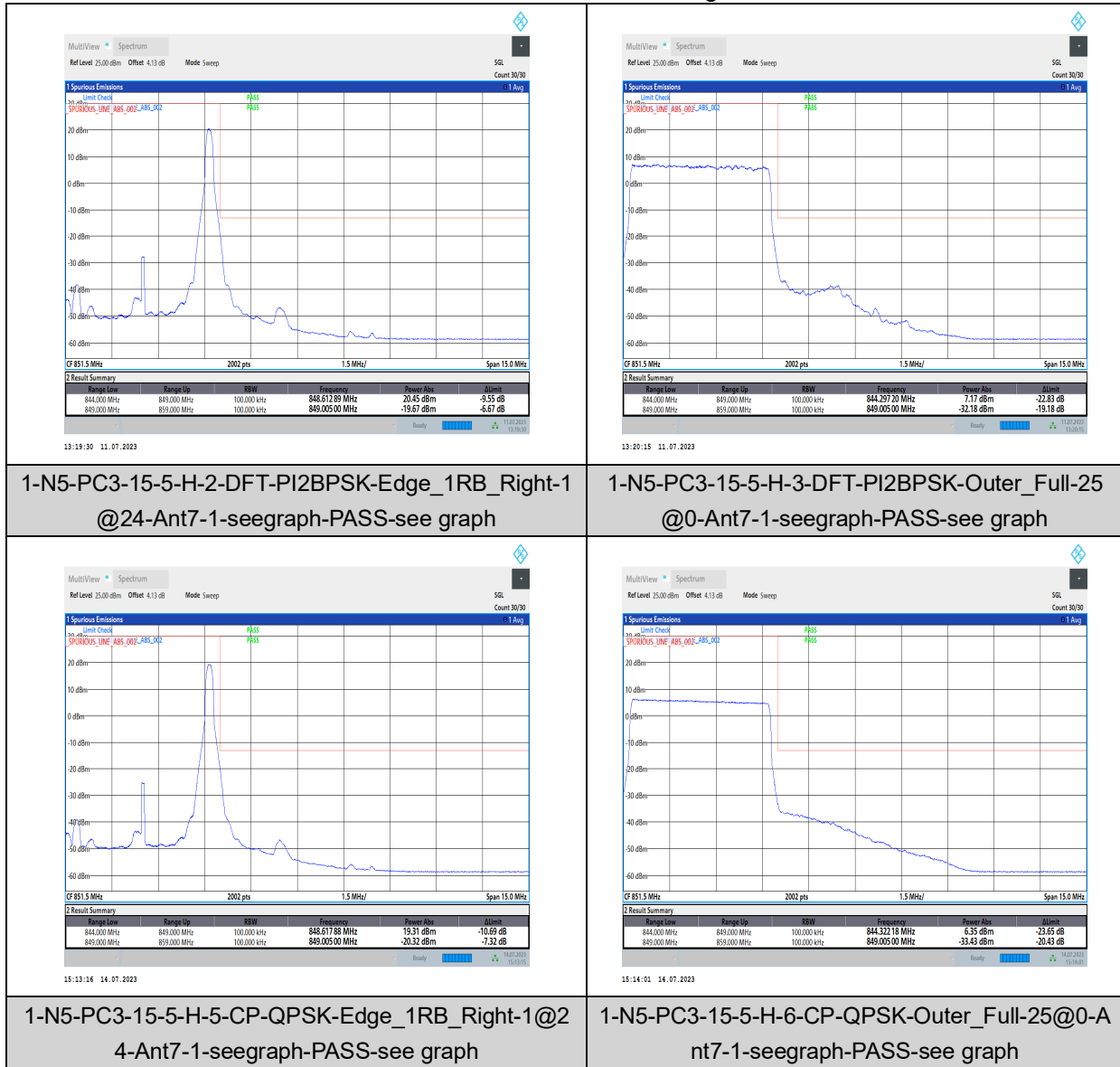
1-N5-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-A
 nt7-1-seegraph-PASS-see graph



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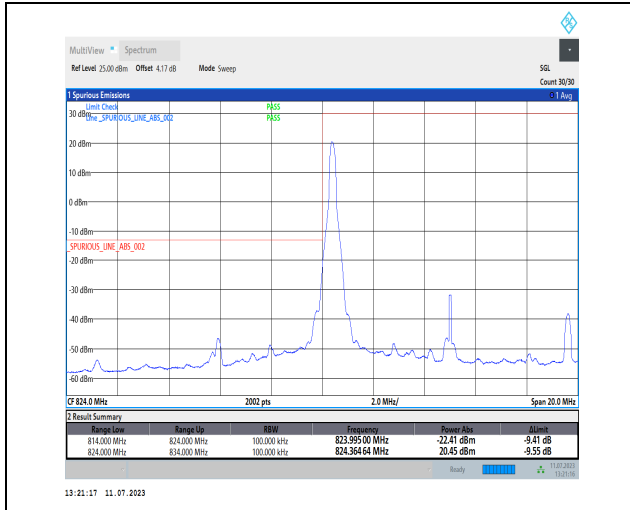
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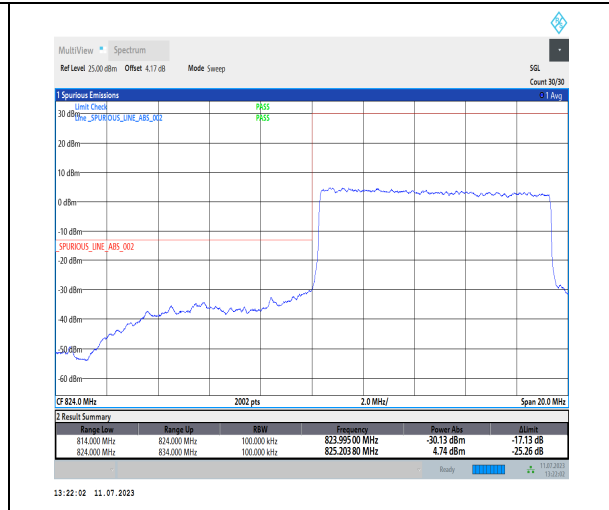
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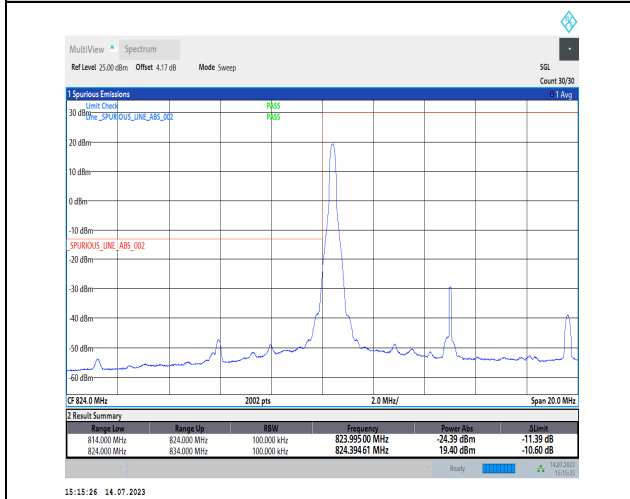
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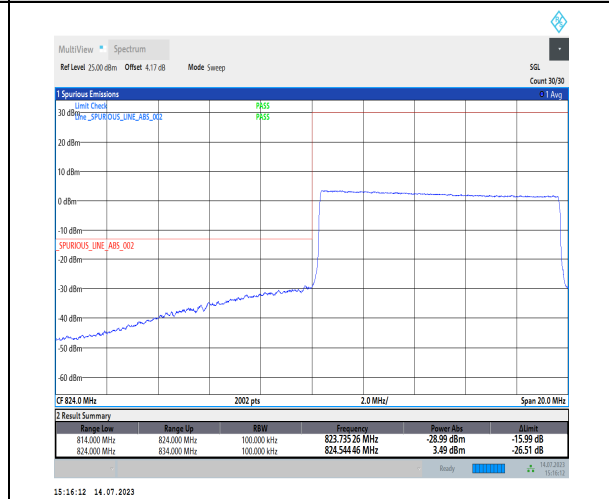
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1-N5-PC3-15-10-L-3-DFT-PI2BPSK-Outer_Full-50
 @0-Ant7-1-seegraph-PASS-see graph



1-N5-PC3-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0
 -Ant7-1-seegraph-PASS-see graph



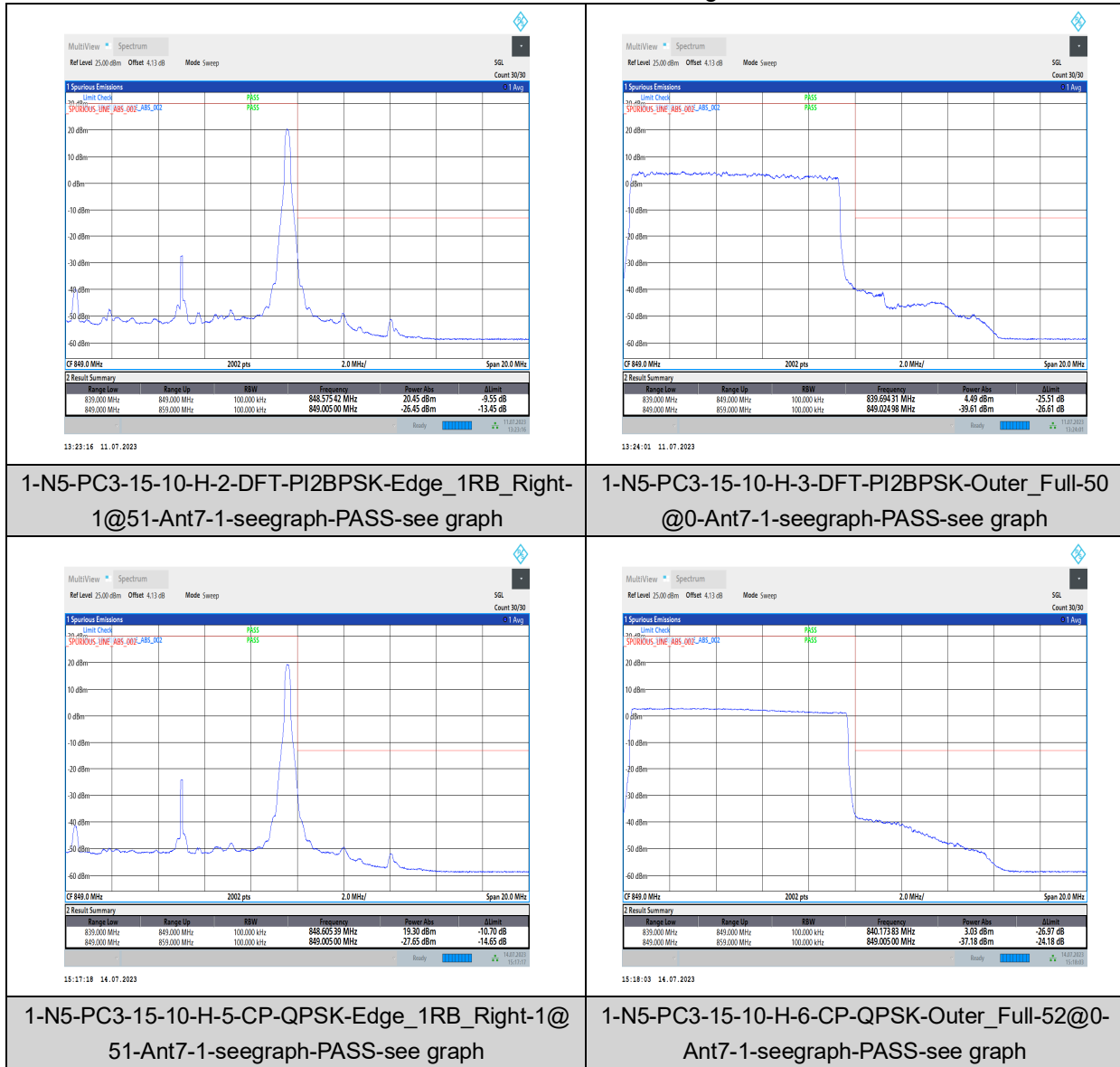
1-N5-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-A
 nt7-1-seegraph-PASS-see graph



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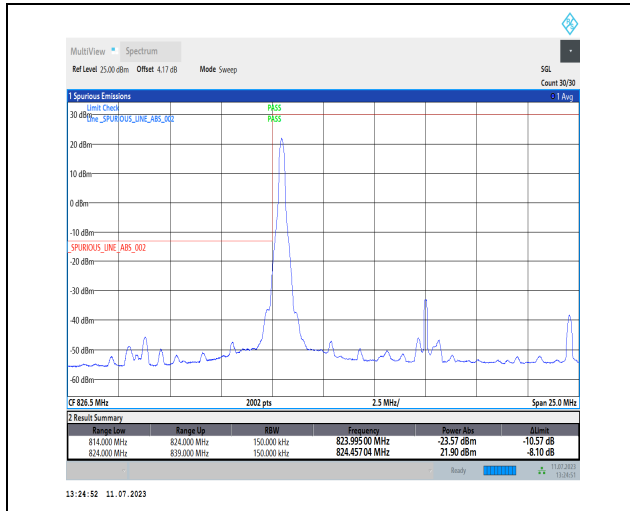
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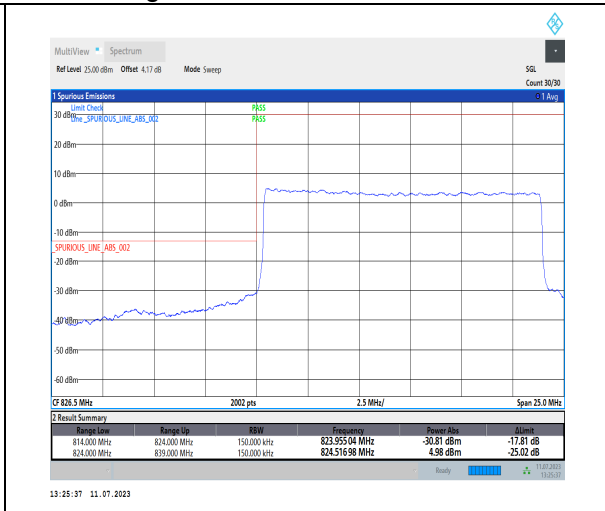
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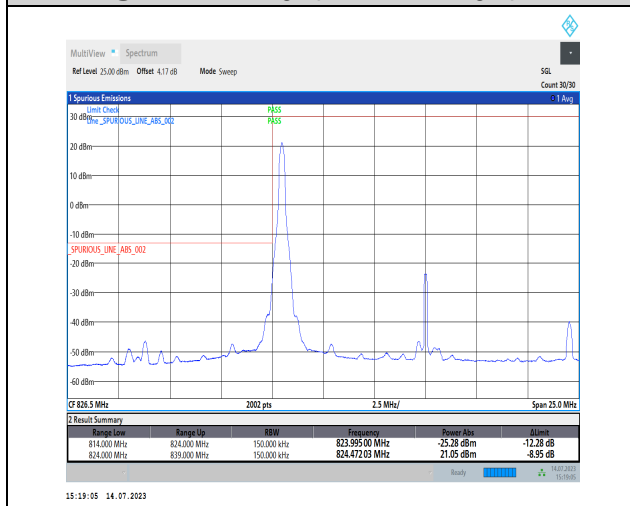
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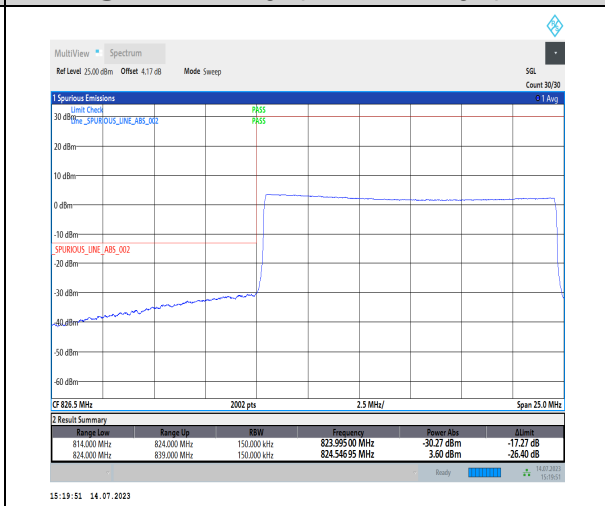
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1-N5-PC3-15-15-L-3-DFT-PI2BPSK-Outer_Full-75
 @0-Ant7-1-seegraph-PASS-see graph



1-N5-PC3-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0
 -Ant7-1-seegraph-PASS-see graph



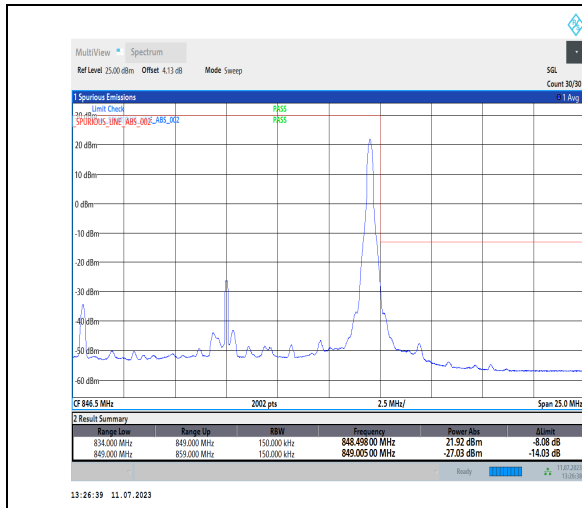
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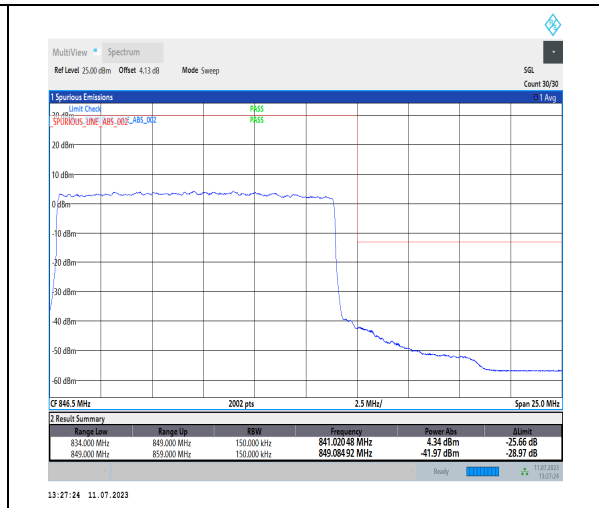
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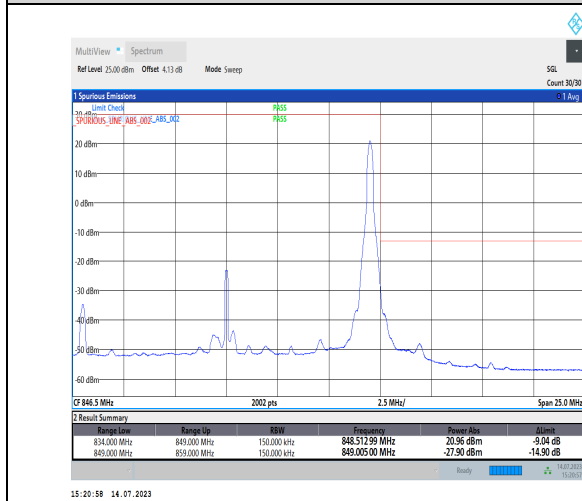
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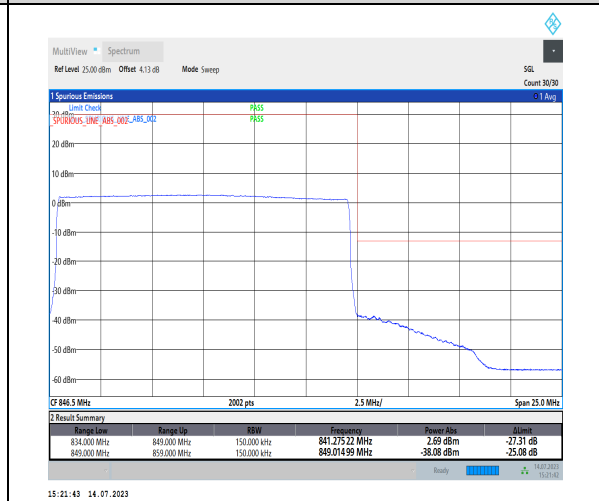
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1-N5-PC3-15-15-H-3-DFT-P12BPSK-Outer_Full-75@0-Ant7-1-seegraph-PASS-see graph



1-N5-PC3-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant7-1-seegraph-PASS-see graph



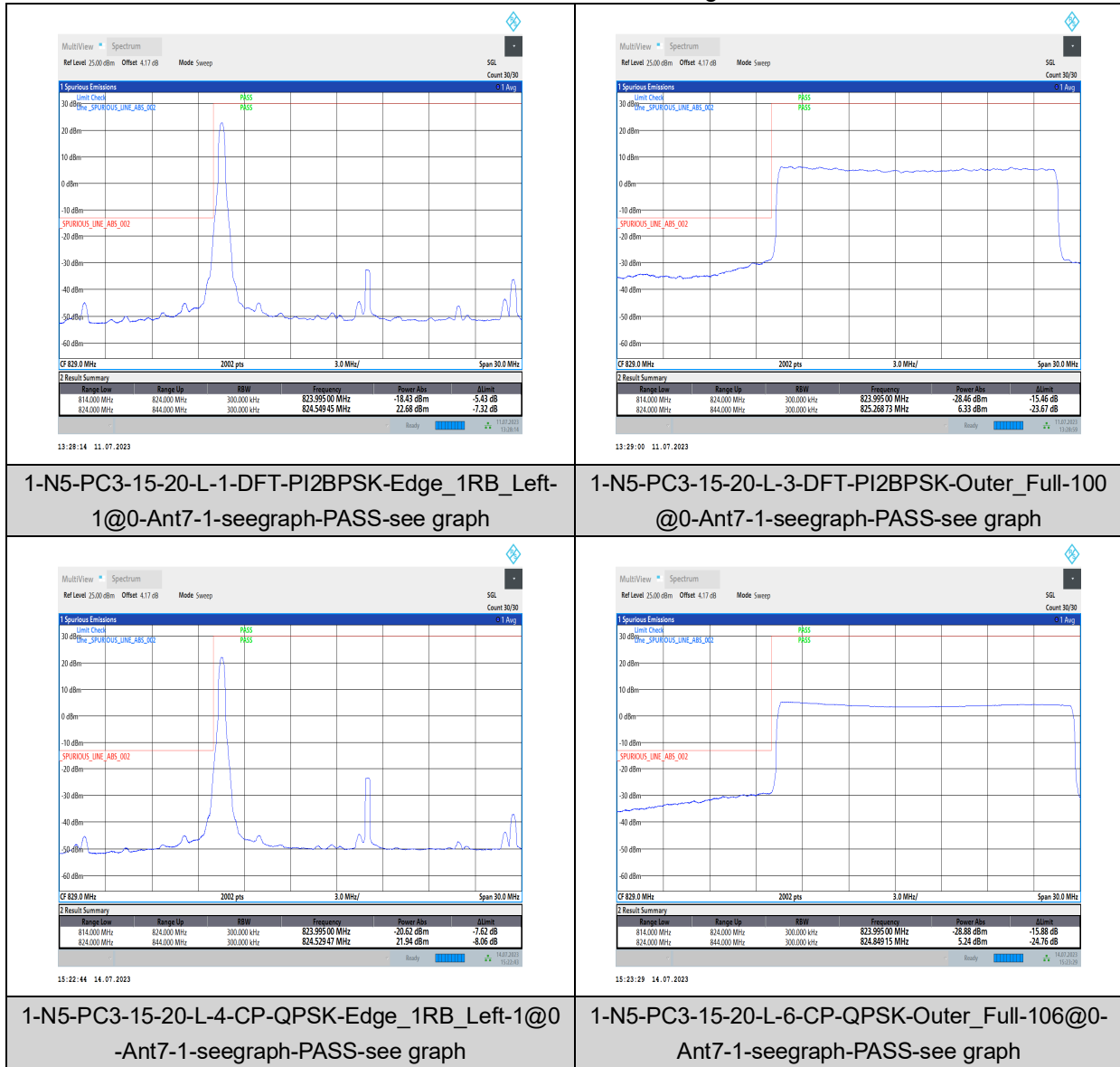
1-N5-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant7-1-seegraph-PASS-see graph



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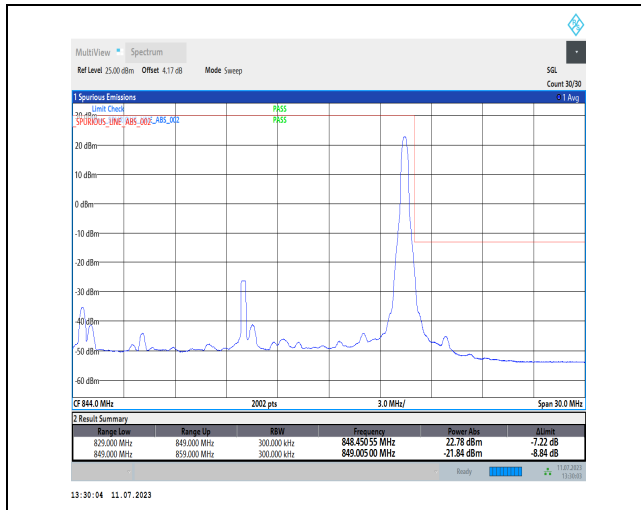
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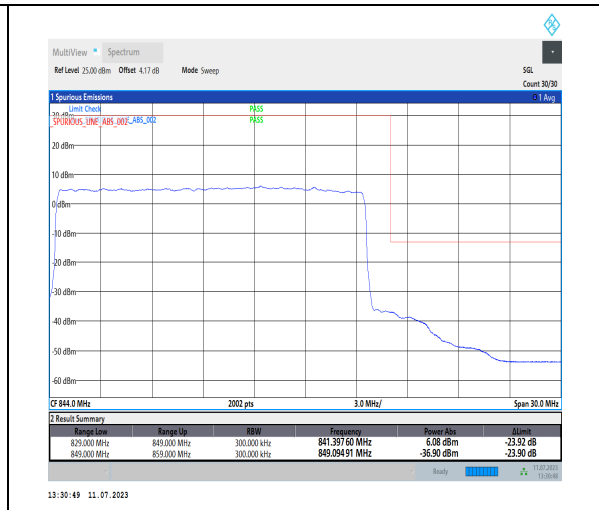
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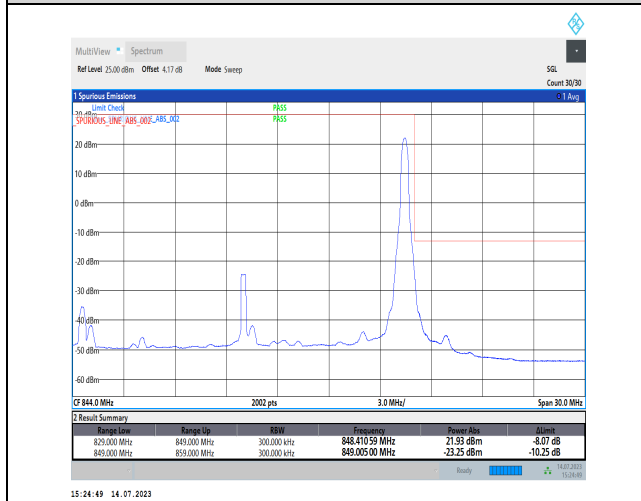
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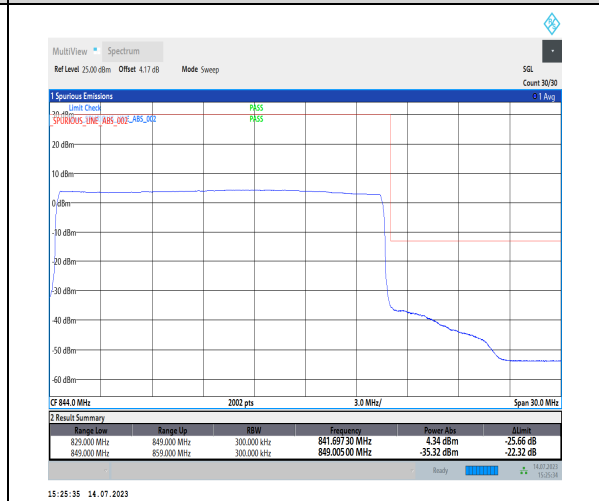
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1-N5-PC3-15-20-H-3-DFT-P12BPSK-Outer_Full-100@0-Ant7-1-seegraph-PASS-see graph



1-N5-PC3-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant7-1-seegraph-PASS-see graph



1-N5-PC3-15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant7-1-seegraph-PASS-see graph



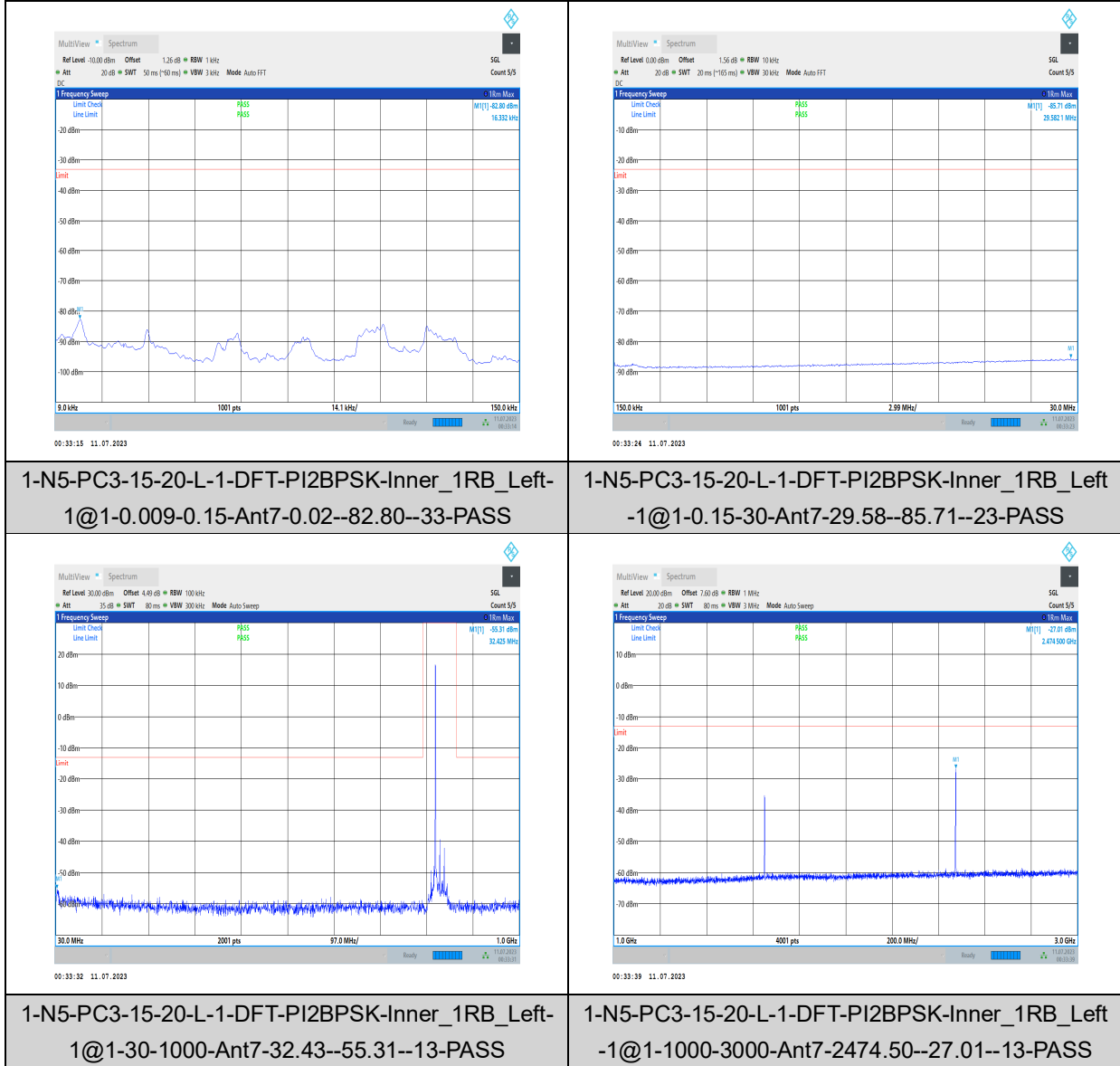
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Conducted Spurious Emission for SA

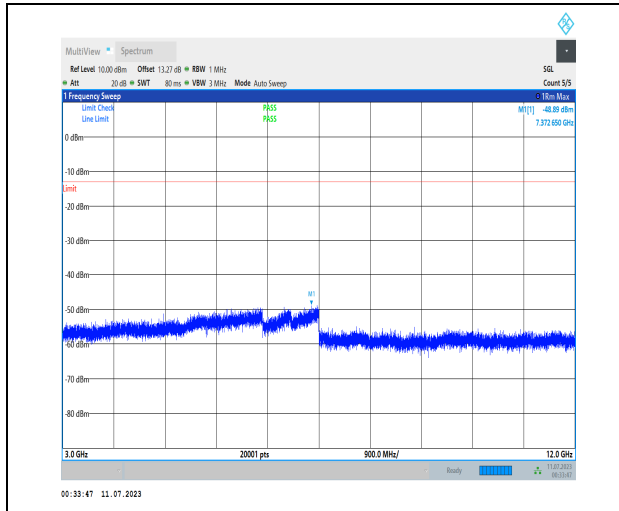
Test Graphs



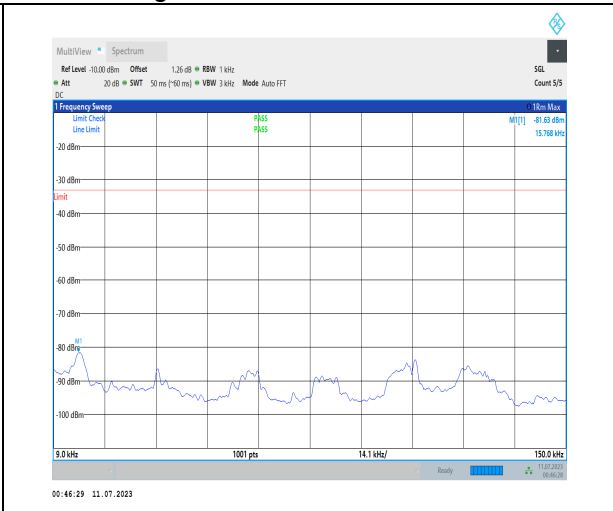
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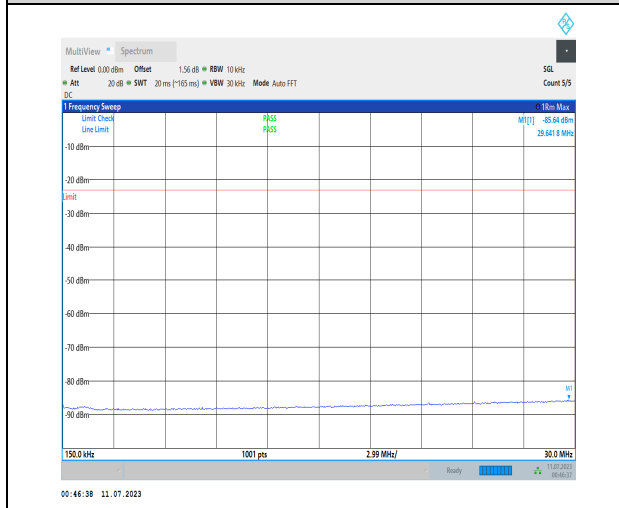
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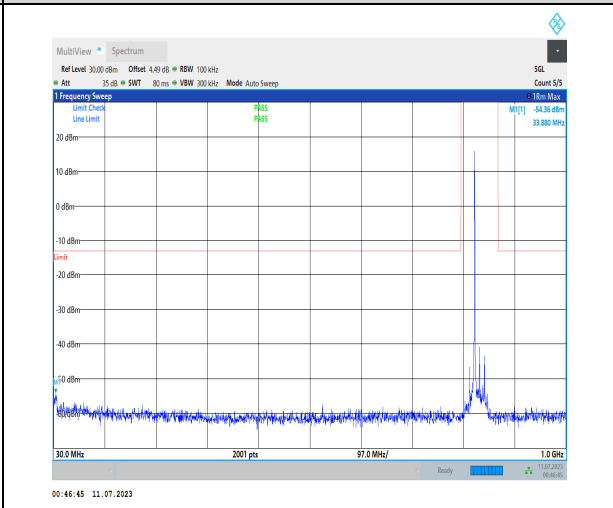
1-N5-PC3-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant7-7372.65--48.89--13-PASS



1-N5-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant7-0.02--81.63--33-PASS



1-N5-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant7-29.64--85.64--23-PASS

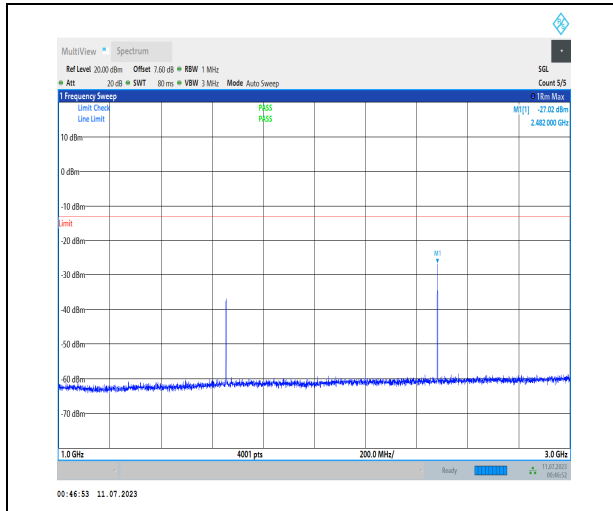


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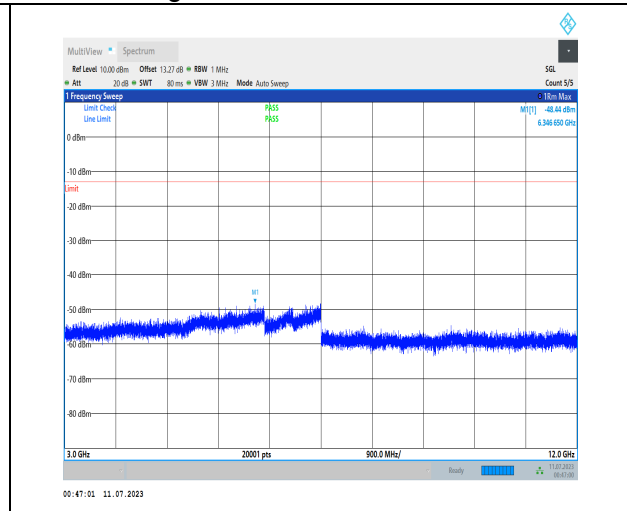


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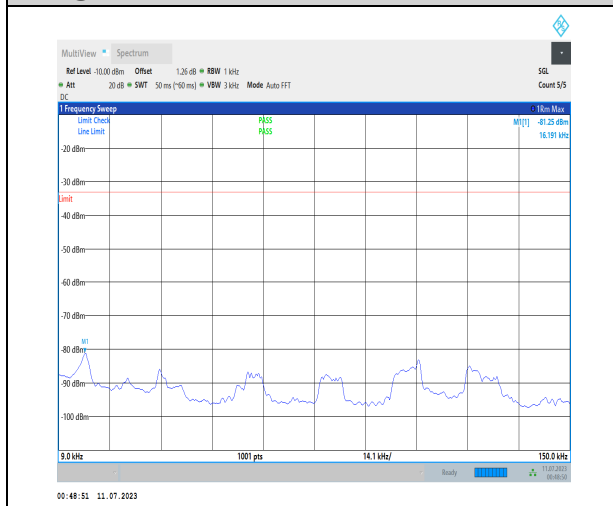
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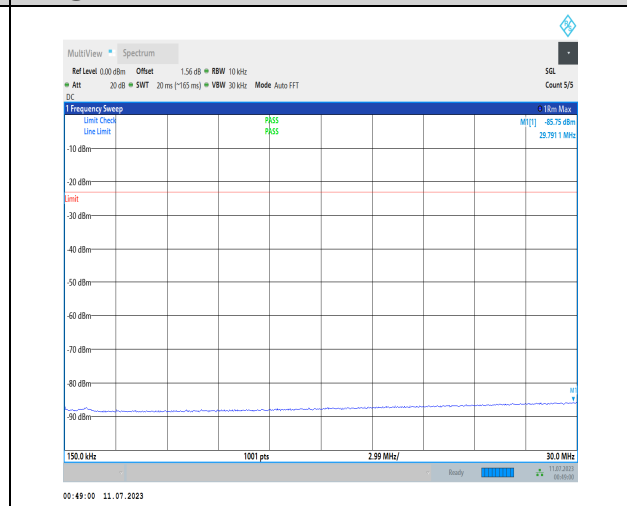
1-N5-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left
t-1@1-1000-3000-Ant7-2482.00--27.02--13-PASS



1-N5-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left
-1@1-3000-12000-Ant7-6346.65--48.44--13-PASS



1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left
-1@1-0.009-0.15-Ant7-0.02--81.25--33-PASS

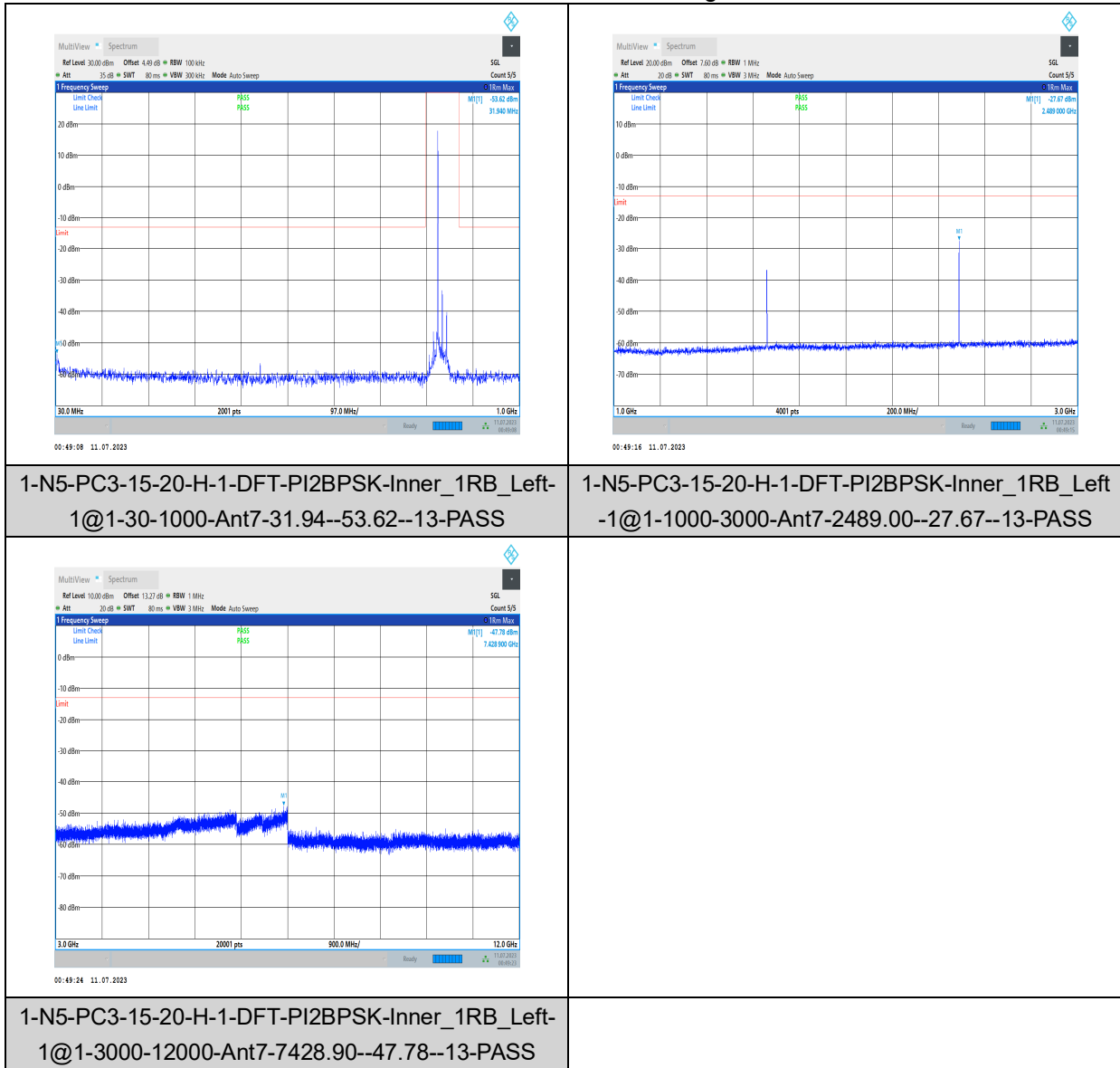


1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-
1@1-0.15-30-Ant7-29.79--85.75--23-PASS



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1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-
 1@1-30-1000-Ant7-31.94--53.62--13-PASS

1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left
 -1@1-1000-3000-Ant7-2489.00--27.67--13-PASS

1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-
 1@1-3000-12000-Ant7-7428.90--47.78--13-PASS



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Field Strength of Spurious Radiation

Test Band = NR SA Band 5_ TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.18	81.65	-49.83	25.30	-38.14	-13.00	25.14	Horizontal
2	2473.77	60.94	-49.05	27.27	-56.10	-13.00	43.10	Horizontal
3	3298.36	52.50	-48.63	28.62	-62.77	-13.00	49.77	Horizontal
4	4122.95	44.02	-48.28	29.62	-69.90	-13.00	56.90	Horizontal
5	4947.54	43.27	-48.07	31.37	-68.69	-13.00	55.69	Horizontal
6	5772.13	43.25	-47.66	32.75	-66.91	-13.00	53.91	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.18	78.82	-49.83	25.30	-40.97	-13.00	27.97	Vertical
2	2473.77	71.30	-49.05	27.27	-45.74	-13.00	32.74	Vertical
3	3298.36	58.97	-48.63	28.62	-56.30	-13.00	43.30	Vertical
4	4122.95	43.54	-48.28	29.62	-70.38	-13.00	57.38	Vertical
5	4947.54	43.85	-48.07	31.37	-68.11	-13.00	55.11	Vertical
6	5772.13	43.42	-47.66	32.75	-66.74	-13.00	53.74	Vertical



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Test Band = NR SA Band 5_ TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664	87.10	-49.80	25.36	-32.60	-13.00	19.60	Horizontal
2	2496.27	59.88	-48.92	27.30	-57.00	-13.00	44.00	Horizontal
3	3328.36	54.25	-48.65	28.63	-61.03	-13.00	48.03	Horizontal
4	4160.45	43.88	-48.32	29.69	-70.01	-13.00	57.01	Horizontal
5	4992.54	43.35	-47.97	31.48	-68.40	-13.00	55.40	Horizontal
6	5824.63	42.83	-47.55	32.76	-67.21	-13.00	54.21	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2496	74.21	-48.92	27.30	-42.68	-13.00	29.68	Vertical
2	1664.18	79.80	-49.79	25.36	-39.90	-13.00	26.90	Vertical
3	3328.36	62.30	-48.65	28.63	-52.98	-13.00	39.98	Vertical
4	4160.45	43.90	-48.32	29.69	-69.99	-13.00	56.99	Vertical
5	4992.54	43.56	-47.97	31.48	-68.19	-13.00	55.19	Vertical
6	5824.63	42.70	-47.55	32.76	-67.34	-13.00	54.34	Vertical



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Test Band = NR SA Band 5_ TM1

Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679.1111	93.11	-49.76	25.42	-26.50	-13.00	13.50	Horizontal
2	2518.6667	71.23	-48.95	27.34	-45.64	-13.00	32.64	Horizontal
3	3358.36	67.82	-48.67	28.64	-47.46	-13.00	34.46	Horizontal
4	4197.95	48.60	-48.36	29.76	-65.26	-13.00	52.26	Horizontal
5	5037.54	44.41	-47.94	31.59	-67.20	-13.00	54.20	Horizontal
6	5887.13	43.43	-47.11	32.78	-66.16	-13.00	53.16	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679.1111	86.61	-49.76	25.42	-33.00	-13.00	20.00	Vertical
2	2518.6667	78.19	-48.95	27.34	-38.68	-13.00	25.68	Vertical
3	3358.2222	76.07	-48.66	28.64	-39.21	-13.00	26.21	Vertical
4	4197.95	51.00	-48.36	29.76	-62.86	-13.00	49.86	Vertical
5	5037.54	43.54	-47.94	31.59	-68.07	-13.00	55.07	Vertical
6	5887.13	42.95	-47.11	32.78	-66.64	-13.00	53.64	Vertical



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Test Band = NSA 2A_N5A_TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4225.5	45.61	-48.21	29.81	-68.06	-13.00	55.06	Horizontal
2	5605.5	45.50	-47.69	32.72	-64.73	-13.00	51.73	Horizontal
3	6669	44.48	-46.71	34.87	-62.61	-13.00	49.61	Horizontal
4	7642.5	43.33	-44.84	36.63	-60.14	-13.00	47.14	Horizontal
5	9945.75	40.54	-41.92	38.45	-58.19	-13.00	45.19	Horizontal
6	11898	39.04	-39.99	39.22	-56.99	-13.00	43.99	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4072.5	45.52	-48.09	29.53	-68.30	-13.00	55.30	Vertical
2	4952.25	44.95	-48.02	31.39	-66.94	-13.00	53.94	Vertical
3	6063	44.96	-47.42	33.01	-64.71	-13.00	51.71	Vertical
4	6798	44.71	-46.88	35.16	-62.28	-13.00	49.28	Vertical
5	9533.25	40.72	-42.33	38.08	-58.79	-13.00	45.79	Vertical
6	14773.5	37.17	-36.80	40.28	-54.61	-13.00	41.61	Vertical



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Test Band = NSA 2A_N5A_TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4351.5	45.14	-47.95	30.03	-68.04	-13.00	55.04	Horizontal
2	5312.25	45.31	-47.77	32.25	-65.47	-13.00	52.47	Horizontal
3	6529.5	44.35	-47.01	34.56	-63.35	-13.00	50.35	Horizontal
4	7741.5	43.27	-45.09	36.51	-60.57	-13.00	47.57	Horizontal
5	9054.75	41.23	-42.99	37.65	-59.37	-13.00	46.37	Horizontal
6	11903.25	38.74	-39.97	39.22	-57.27	-13.00	44.27	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4428.75	44.92	-48.07	30.17	-68.24	-13.00	55.24	Vertical
2	5920.5	44.63	-47.22	32.78	-65.07	-13.00	52.07	Vertical
3	7662.75	42.97	-44.97	36.60	-60.66	-13.00	47.66	Vertical
4	9415.5	41.63	-42.94	37.97	-58.60	-13.00	45.60	Vertical
5	12147.75	38.49	-39.72	39.11	-57.38	-13.00	44.38	Vertical
6	14792.25	37.10	-36.84	40.27	-54.73	-13.00	41.73	Vertical



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Test Band = NSA 2A_N5A_TM1

Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4425.75	44.97	-48.08	30.17	-68.20	-13.00	55.20	Horizontal
2	5397	44.87	-47.72	32.45	-65.66	-13.00	52.66	Horizontal
3	6618.75	44.66	-46.96	34.76	-62.80	-13.00	49.80	Horizontal
4	7712.25	43.53	-45.17	36.55	-60.36	-13.00	47.36	Horizontal
5	8767.5	42.15	-44.03	37.27	-59.87	-13.00	46.87	Horizontal
6	12153.75	38.83	-39.73	39.11	-57.05	-13.00	44.05	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4360.5	44.74	-47.98	30.05	-68.45	-13.00	55.45	Vertical
2	5469	44.89	-47.64	32.63	-65.39	-13.00	52.39	Vertical
3	7061.25	44.24	-46.13	35.75	-61.40	-13.00	48.40	Vertical
4	8603.25	41.87	-43.97	37.04	-60.32	-13.00	47.32	Vertical
5	11159.25	39.14	-40.35	39.37	-57.10	-13.00	44.10	Vertical
6	14545.5	37.58	-38.29	40.46	-55.50	-13.00	42.50	Vertical



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Test Band = NSA 48A_N5A_TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8502.4375	41.90	-43.69	36.90	-60.15	-40.00	20.15	Horizontal
2	9566.6667	40.85	-42.04	38.11	-58.34	-40.00	18.34	Horizontal
3	11995.0833	37.83	-38.63	39.20	-56.86	-40.00	16.86	Horizontal
4	13576.8125	38.26	-38.44	39.93	-55.51	-40.00	15.51	Horizontal
5	15930.4792	37.72	-37.89	38.33	-57.10	-40.00	17.10	Horizontal
6	17618.5833	36.75	-36.93	42.86	-52.59	-40.00	12.59	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7397.9583	44.18	-45.57	36.56	-60.09	-40.00	20.09	Vertical
2	8823.9583	42.24	-43.79	37.35	-59.45	-40.00	19.45	Vertical
3	9593.0208	40.49	-41.79	38.13	-58.43	-40.00	18.43	Vertical
4	11992.2083	38.15	-38.67	39.20	-56.57	-40.00	16.57	Vertical
5	14096.7083	37.81	-38.75	40.82	-55.38	-40.00	15.38	Vertical
6	17889.7917	36.12	-37.34	44.59	-51.88	-40.00	11.88	Vertical



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Test Band = NSA 48A_N5A_TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7694.5625	43.60	-45.13	36.57	-60.22	-40.00	20.22	Horizontal
2	9285.3958	41.84	-42.94	37.86	-58.51	-40.00	18.51	Horizontal
3	11634.2708	38.44	-39.45	39.27	-56.99	-40.00	16.99	Horizontal
4	14173.8542	37.67	-38.30	40.76	-55.13	-40.00	15.13	Horizontal
5	15217.4792	37.66	-37.70	39.69	-55.62	-40.00	15.62	Horizontal
6	17895.0625	36.29	-37.30	44.63	-51.64	-40.00	11.64	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7036.1875	43.83	-45.98	35.69	-61.73	-40.00	21.73	Vertical
2	8429.6042	41.78	-44.16	36.80	-60.84	-40.00	20.84	Vertical
3	9313.1875	41.02	-42.92	37.88	-59.28	-40.00	19.28	Vertical
4	11870.0208	37.65	-39.71	39.23	-58.09	-40.00	18.09	Vertical
5	14098.1458	37.61	-38.75	40.82	-55.58	-40.00	15.58	Vertical
6	17852.4167	35.19	-37.62	44.36	-53.33	-40.00	13.33	Vertical



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Test Band = NSA 48A_N5A_TM1

Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7400.3542	43.84	-45.56	36.56	-60.42	-40.00	20.42	Horizontal
2	8319.3958	42.54	-44.52	36.65	-60.59	-40.00	20.59	Horizontal
3	8917.3958	42.39	-43.56	37.48	-58.95	-40.00	18.95	Horizontal
4	12028.1458	38.26	-38.80	39.18	-56.61	-40.00	16.61	Horizontal
5	15002.8125	37.24	-37.90	40.09	-55.83	-40.00	15.83	Horizontal
6	17971.25	36.83	-37.06	45.12	-50.37	-40.00	10.37	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7690.7292	44.14	-45.12	36.57	-59.66	-40.00	19.66	Vertical
2	9297.375	41.69	-42.94	37.87	-58.64	-40.00	18.64	Vertical
3	9923.1667	40.35	-41.79	38.43	-58.27	-40.00	18.27	Vertical
4	12456.0417	38.31	-38.59	38.93	-56.61	-40.00	16.61	Vertical
5	14823.6042	37.98	-37.74	40.24	-54.78	-40.00	14.78	Vertical
6	17963.1042	37.22	-37.08	45.06	-50.06	-40.00	10.06	Vertical



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Test Band = NSA 66A_N5A_TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4233.75	45.10	-48.16	29.82	-68.50	-13.00	55.50	Horizontal
2	5616	45.04	-47.67	32.72	-65.16	-13.00	52.16	Horizontal
3	6848.25	44.27	-46.81	35.27	-62.54	-13.00	49.54	Horizontal
4	7731	43.32	-45.12	36.52	-60.53	-13.00	47.53	Horizontal
5	9659.25	40.64	-42.15	38.19	-58.58	-13.00	45.58	Horizontal
6	14700	37.29	-36.68	40.34	-54.31	-13.00	41.31	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4259.25	44.91	-48.02	29.87	-68.50	-13.00	55.50	Vertical
2	5402.25	45.31	-47.72	32.47	-65.20	-13.00	52.20	Vertical
3	6820.5	44.92	-46.86	35.21	-61.99	-13.00	48.99	Vertical
4	8227.5	42.08	-44.28	36.52	-60.94	-13.00	47.94	Vertical
5	11381.25	38.74	-40.15	39.32	-57.35	-13.00	44.35	Vertical
6	14783.25	37.54	-36.82	40.27	-54.27	-13.00	41.27	Vertical



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Test Band = NSA 66A_N5A_TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4429.5	44.90	-48.07	30.17	-68.26	-13.00	55.26	Horizontal
2	5625	44.88	-47.65	32.73	-65.30	-13.00	52.30	Horizontal
3	6886.5	44.37	-46.75	35.35	-62.29	-13.00	49.29	Horizontal
4	8811.75	42.06	-43.99	37.34	-59.86	-13.00	46.86	Horizontal
5	11255.25	39.12	-40.41	39.35	-57.20	-13.00	44.20	Horizontal
6	14727.75	37.26	-36.73	40.32	-54.41	-13.00	41.41	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4268.25	44.79	-47.96	29.88	-68.55	-13.00	55.55	Vertical
2	5660.25	44.56	-47.57	32.73	-65.54	-13.00	52.54	Vertical
3	7378.5	44.01	-46.17	36.51	-60.91	-13.00	47.91	Vertical
4	8719.5	42.05	-44.09	37.21	-60.10	-13.00	47.10	Vertical
5	12689.25	38.15	-39.24	38.79	-57.56	-13.00	44.56	Vertical
6	14826	36.76	-36.99	40.24	-55.25	-13.00	42.25	Vertical



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Test Band = NSA 66A_N5A_TM1

Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3849.75	45.42	-48.23	29.19	-68.89	-13.00	55.89	Horizontal
2	4779	44.91	-48.00	30.97	-67.38	-13.00	54.38	Horizontal
3	6089.25	45.15	-47.39	33.10	-64.40	-13.00	51.40	Horizontal
4	8011.5	41.95	-44.36	36.22	-61.45	-13.00	48.45	Horizontal
5	9653.25	40.74	-42.16	38.19	-58.49	-13.00	45.49	Horizontal
6	14016.75	37.86	-39.02	40.89	-55.53	-13.00	42.53	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4416.75	45.21	-48.09	30.15	-67.99	-13.00	54.99	Vertical
2	4826.25	45.42	-48.02	31.08	-66.77	-13.00	53.77	Vertical
3	7047.75	43.93	-46.23	35.71	-61.85	-13.00	48.85	Vertical
4	9112.5	40.75	-42.93	37.70	-59.74	-13.00	46.74	Vertical
5	12700.5	38.34	-39.27	38.78	-57.41	-13.00	44.41	Vertical
6	14610	37.16	-37.82	40.41	-55.51	-13.00	42.51	Vertical



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Test Band = NR N2A_N5A_TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.18	44.26	-48.50	28.98	-70.52	-13.00	57.52	Horizontal
2	5553.27	43.55	-47.66	32.71	-66.66	-13.00	53.66	Horizontal
3	7404.36	42.64	-46.17	36.57	-62.22	-13.00	49.22	Horizontal
4	9255.45	40.24	-43.17	37.83	-60.36	-13.00	47.36	Horizontal
5	11106.54	37.49	-40.36	39.38	-58.75	-13.00	45.75	Horizontal
6	12957.63	36.80	-39.41	38.63	-59.24	-13.00	46.24	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.18	44.63	-48.50	28.98	-70.15	-13.00	57.15	Vertical
2	5553.27	43.17	-47.66	32.71	-67.04	-13.00	54.04	Vertical
3	7404.36	42.61	-46.17	36.57	-62.25	-13.00	49.25	Vertical
4	9255.45	40.14	-43.17	37.83	-60.46	-13.00	47.46	Vertical
5	11106.54	37.32	-40.36	39.38	-58.92	-13.00	45.92	Vertical
6	12957.63	36.36	-39.41	38.63	-59.68	-13.00	46.68	Vertical



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Test Band = NR N2A_N5A_TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3742.18	44.92	-48.37	29.04	-69.67	-13.00	56.67	Horizontal
2	5613.27	44.08	-47.67	32.72	-66.13	-13.00	53.13	Horizontal
3	7484.36	41.98	-46.17	36.76	-62.69	-13.00	49.69	Horizontal
4	9355.45	40.76	-42.97	37.92	-59.55	-13.00	46.55	Horizontal
5	11226.54	37.63	-40.37	39.35	-58.65	-13.00	45.65	Horizontal
6	13097.63	36.26	-38.42	38.83	-58.59	-13.00	45.59	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3742.18	44.84	-48.37	29.04	-69.75	-13.00	56.75	Vertical
2	5613.27	43.70	-47.67	32.72	-66.51	-13.00	53.51	Vertical
3	7484.36	41.62	-46.17	36.76	-63.05	-13.00	50.05	Vertical
4	9355.45	40.39	-42.97	37.92	-59.92	-13.00	46.92	Vertical
5	11226.54	37.61	-40.37	39.35	-58.67	-13.00	45.67	Vertical
6	13097.63	36.49	-38.42	38.83	-58.36	-13.00	45.36	Vertical



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Test Band = NR N2A_N5A_TM1

Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3782.18	44.36	-48.24	29.10	-70.04	-13.00	57.04	Horizontal
2	5673.27	43.47	-47.55	32.73	-66.60	-13.00	53.60	Horizontal
3	7564.36	40.84	-45.14	36.72	-62.84	-13.00	49.84	Horizontal
4	9455.45	40.13	-42.67	38.01	-59.79	-13.00	46.79	Horizontal
5	11346.54	37.40	-40.28	39.33	-58.81	-13.00	45.81	Horizontal
6	13237.63	36.98	-38.85	39.15	-57.98	-13.00	44.98	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3782.18	43.85	-48.24	29.10	-70.55	-13.00	57.55	Vertical
2	5673.27	44.30	-47.55	32.73	-65.77	-13.00	52.77	Vertical
3	7564.36	40.85	-45.14	36.72	-62.83	-13.00	49.83	Vertical
4	9455.45	39.43	-42.67	38.01	-60.49	-13.00	47.49	Vertical
5	11346.54	37.41	-40.28	39.33	-58.80	-13.00	45.80	Vertical
6	13237.63	36.62	-38.85	39.15	-58.34	-13.00	45.34	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) - Pre-amplifier (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)	Limit	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-3.600000	-0.004256	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-3.200000	-0.002354	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-6.200000	-0.003621	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VH	NT	-6.100000	-0.002239	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VN	NT	-5.500000	-0.003212	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VL	NT	-5.400000	-0.006357	±2.5	PASS

Frequency Error VS. Temperature

Temperature											
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Limit	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	-7.500000	-0.006587	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-6.700000	-0.008125	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-6.900000	-0.008654	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-8.600000	-0.002126	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-7.400000	-0.006354	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-4.200000	-0.005487	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-4.600000	-0.006354	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-5.300000	-0.006354	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-5.200000	-0.006574	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-30	-6.200000	-0.003654	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-20	-3.900000	-0.002241	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-10	-3.300000	-0.005023	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	0	-2.600000	-0.003254	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	10	-6.600000	-0.005234	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	20	-3.700000	-0.006315	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	30	-4.400000	-0.006354	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	40	-6.300000	-0.005634	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	50	-4.700000	-0.004596	±2.5	PASS

---End of Attachment---



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