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Appendix B.32

NR Band n13



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit (dBm)	Verdict
N13	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	24.02	23.41	34.77	PASS
N13	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	24.08	23.47	34.77	PASS
N13	15	5	DFT-PI2BPSK	L	Outer_Full	23.50	22.89	34.77	PASS
N13	15	5	DFT-QPSK	L	Inner_1RB_Left	23.92	23.31	34.77	PASS
N13	15	5	DFT-QPSK	L	Inner_1RB_Right	23.95	23.34	34.77	PASS
N13	15	5	DFT-QPSK	L	Outer_Full	23.05	22.44	34.77	PASS
N13	15	5	DFT-16QAM	L	Inner_1RB_Left	23.00	22.39	34.77	PASS
N13	15	5	DFT-16QAM	L	Inner_1RB_Right	23.05	22.44	34.77	PASS
N13	15	5	DFT-16QAM	L	Outer_Full	22.07	21.46	34.77	PASS
N13	15	5	DFT-64QAM	L	Inner_1RB_Left	21.73	21.12	34.77	PASS
N13	15	5	DFT-64QAM	L	Inner_1RB_Right	21.71	21.1	34.77	PASS
N13	15	5	DFT-64QAM	L	Outer_Full	21.46	20.85	34.77	PASS
N13	15	5	DFT-256QAM	L	Inner_1RB_Left	19.01	18.4	34.77	PASS
N13	15	5	DFT-256QAM	L	Inner_1RB_Right	18.95	18.34	34.77	PASS
N13	15	5	DFT-256QAM	L	Outer_Full	19.50	18.89	34.77	PASS
N13	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	24.07	23.46	34.77	PASS
N13	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.89	23.28	34.77	PASS
N13	15	5	DFT-PI2BPSK	M	Outer_Full	23.54	22.93	34.77	PASS
N13	15	5	DFT-QPSK	M	Inner_1RB_Left	23.87	23.26	34.77	PASS
N13	15	5	DFT-QPSK	M	Inner_1RB_Right	23.85	23.24	34.77	PASS
N13	15	5	DFT-QPSK	M	Outer_Full	23.01	22.4	34.77	PASS
N13	15	5	DFT-16QAM	M	Inner_1RB_Left	22.90	22.29	34.77	PASS
N13	15	5	DFT-16QAM	M	Inner_1RB_Right	22.88	22.27	34.77	PASS
N13	15	5	DFT-16QAM	M	Outer_Full	22.03	21.42	34.77	PASS
N13	15	5	DFT-64QAM	M	Inner_1RB_Left	21.77	21.16	34.77	PASS
N13	15	5	DFT-64QAM	M	Inner_1RB_Right	21.58	20.97	34.77	PASS
N13	15	5	DFT-64QAM	M	Outer_Full	21.48	20.87	34.77	PASS
N13	15	5	DFT-256QAM	M	Inner_1RB_Left	19.01	18.4	34.77	PASS
N13	15	5	DFT-256QAM	M	Inner_1RB_Right	18.82	18.21	34.77	PASS
N13	15	5	DFT-256QAM	M	Outer_Full	19.46	18.85	34.77	PASS
N13	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.96	23.35	34.77	PASS
N13	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.91	23.3	34.77	PASS



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N13	15	5	DFT-PI2BPSK	H	Outer_Full	23.32	22.71	34.77	PASS
N13	15	5	DFT-QPSK	H	Inner_1RB_Left	23.86	23.25	34.77	PASS
N13	15	5	DFT-QPSK	H	Inner_1RB_Right	23.86	23.25	34.77	PASS
N13	15	5	DFT-QPSK	H	Outer_Full	22.98	22.37	34.77	PASS
N13	15	5	DFT-16QAM	H	Inner_1RB_Left	22.93	22.32	34.77	PASS
N13	15	5	DFT-16QAM	H	Inner_1RB_Right	22.80	22.19	34.77	PASS
N13	15	5	DFT-16QAM	H	Outer_Full	21.92	21.31	34.77	PASS
N13	15	5	DFT-64QAM	H	Inner_1RB_Left	21.57	20.96	34.77	PASS
N13	15	5	DFT-64QAM	H	Inner_1RB_Right	21.55	20.94	34.77	PASS
N13	15	5	DFT-64QAM	H	Outer_Full	21.40	20.79	34.77	PASS
N13	15	5	DFT-256QAM	H	Inner_1RB_Left	18.89	18.28	34.77	PASS
N13	15	5	DFT-256QAM	H	Inner_1RB_Right	18.87	18.26	34.77	PASS
N13	15	5	DFT-256QAM	H	Outer_Full	19.21	18.6	34.77	PASS
N13	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	24.03	23.42	34.77	PASS
N13	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.96	23.35	34.77	PASS
N13	15	10	DFT-PI2BPSK	L	Outer_Full	23.50	22.89	34.77	PASS
N13	15	10	DFT-QPSK	L	Inner_1RB_Left	23.94	23.33	34.77	PASS
N13	15	10	DFT-QPSK	L	Inner_1RB_Right	23.80	23.19	34.77	PASS
N13	15	10	DFT-QPSK	L	Outer_Full	22.97	22.36	34.77	PASS
N13	15	10	DFT-16QAM	L	Inner_1RB_Left	23.00	22.39	34.77	PASS
N13	15	10	DFT-16QAM	L	Inner_1RB_Right	22.79	22.18	34.77	PASS
N13	15	10	DFT-16QAM	L	Outer_Full	22.24	21.63	34.77	PASS
N13	15	10	DFT-64QAM	L	Inner_1RB_Left	21.90	21.29	34.77	PASS
N13	15	10	DFT-64QAM	L	Inner_1RB_Right	21.61	21	34.77	PASS
N13	15	10	DFT-64QAM	L	Outer_Full	21.55	20.94	34.77	PASS
N13	15	10	DFT-256QAM	L	Inner_1RB_Left	19.02	18.41	34.77	PASS
N13	15	10	DFT-256QAM	L	Inner_1RB_Right	18.89	18.28	34.77	PASS
N13	15	10	DFT-256QAM	L	Outer_Full	19.47	18.86	34.77	PASS
N13	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	24.11	23.5	34.77	PASS
N13	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.93	23.32	34.77	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	23.64	23.03	34.77	PASS
N13	15	10	DFT-QPSK	M	Inner_1RB_Left	23.97	23.36	34.77	PASS
N13	15	10	DFT-QPSK	M	Inner_1RB_Right	23.79	23.18	34.77	PASS
N13	15	10	DFT-QPSK	M	Outer_Full	22.96	22.35	34.77	PASS
N13	15	10	DFT-16QAM	M	Inner_1RB_Left	23.00	22.39	34.77	PASS
N13	15	10	DFT-16QAM	M	Inner_1RB_Right	22.77	22.16	34.77	PASS
N13	15	10	DFT-16QAM	M	Outer_Full	21.96	21.35	34.77	PASS
N13	15	10	DFT-64QAM	M	Inner_1RB_Left	21.58	20.97	34.77	PASS



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N13	15	10	DFT-64QAM	M	Inner_1RB_Right	21.69	21.08	34.77	PASS
N13	15	10	DFT-64QAM	M	Outer_Full	21.59	20.98	34.77	PASS
N13	15	10	DFT-256QAM	M	Inner_1RB_Left	18.99	18.38	34.77	PASS
N13	15	10	DFT-256QAM	M	Inner_1RB_Right	18.90	18.29	34.77	PASS
N13	15	10	DFT-256QAM	M	Outer_Full	19.44	18.83	34.77	PASS
N13	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	24.05	23.44	34.77	PASS
N13	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.88	23.27	34.77	PASS
N13	15	10	DFT-PI2BPSK	H	Outer_Full	23.54	22.93	34.77	PASS
N13	15	10	DFT-QPSK	H	Inner_1RB_Left	23.94	23.33	34.77	PASS
N13	15	10	DFT-QPSK	H	Inner_1RB_Right	23.84	23.23	34.77	PASS
N13	15	10	DFT-QPSK	H	Outer_Full	22.96	22.35	34.77	PASS
N13	15	10	DFT-16QAM	H	Inner_1RB_Left	23.03	22.42	34.77	PASS
N13	15	10	DFT-16QAM	H	Inner_1RB_Right	22.75	22.14	34.77	PASS
N13	15	10	DFT-16QAM	H	Outer_Full	21.96	21.35	34.77	PASS
N13	15	10	DFT-64QAM	H	Inner_1RB_Left	21.82	21.21	34.77	PASS
N13	15	10	DFT-64QAM	H	Inner_1RB_Right	21.63	21.02	34.77	PASS
N13	15	10	DFT-64QAM	H	Outer_Full	21.57	20.96	34.77	PASS
N13	15	10	DFT-256QAM	H	Inner_1RB_Left	18.96	18.35	34.77	PASS
N13	15	10	DFT-256QAM	H	Inner_1RB_Right	18.90	18.29	34.77	PASS
N13	15	10	DFT-256QAM	H	Outer_Full	19.43	18.82	34.77	PASS



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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
N13	15	10	DFT-256QAM	M	Outer_Full	100%	0.00	8.42	≤13	PASS
N13	15	10	CP-256QAM	M	Outer_Full	100%	0.00	9.35	≤13	PASS



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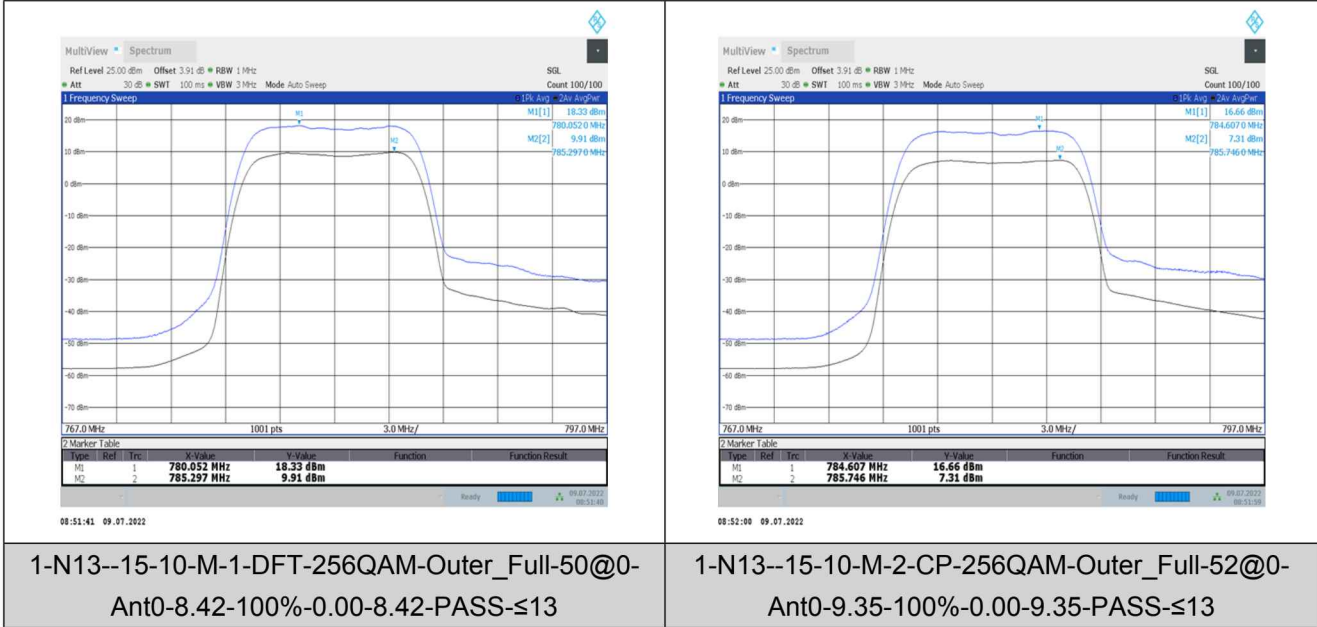
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Test Graphs



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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
N13	15	5	DFT-QPSK	L	Outer_Full	4.467	5.020	PASS
N13	15	5	DFT-PI2BPSK	L	Outer_Full	4.453	4.980	PASS
N13	15	5	DFT-16QAM	L	Outer_Full	4.459	4.960	PASS
N13	15	5	DFT-64QAM	L	Outer_Full	4.458	5.010	PASS
N13	15	5	DFT-256QAM	L	Outer_Full	4.464	4.890	PASS
N13	15	5	CP-QPSK	L	Outer_Full	4.452	4.880	PASS
N13	15	5	CP-16QAM	L	Outer_Full	4.473	5.080	PASS
N13	15	5	CP-64QAM	L	Outer_Full	4.468	4.990	PASS
N13	15	5	CP-256QAM	L	Outer_Full	4.450	4.960	PASS
N13	15	5	DFT-QPSK	M	Outer_Full	4.490	5.070	PASS
N13	15	5	DFT-PI2BPSK	M	Outer_Full	4.481	4.990	PASS
N13	15	5	DFT-16QAM	M	Outer_Full	4.475	4.960	PASS
N13	15	5	DFT-64QAM	M	Outer_Full	4.470	5.060	PASS
N13	15	5	DFT-256QAM	M	Outer_Full	4.485	5.010	PASS
N13	15	5	CP-QPSK	M	Outer_Full	4.48	5.110	PASS
N13	15	5	CP-16QAM	M	Outer_Full	4.474	5.040	PASS
N13	15	5	CP-64QAM	M	Outer_Full	4.468	4.880	PASS
N13	15	5	CP-256QAM	M	Outer_Full	4.501	5.100	PASS
N13	15	5	DFT-QPSK	H	Outer_Full	4.479	4.950	PASS
N13	15	5	DFT-PI2BPSK	H	Outer_Full	4.479	5.000	PASS
N13	15	5	DFT-16QAM	H	Outer_Full	4.467	4.960	PASS
N13	15	5	DFT-64QAM	H	Outer_Full	4.471	5.040	PASS
N13	15	5	DFT-256QAM	H	Outer_Full	4.473	5.050	PASS
N13	15	5	CP-QPSK	H	Outer_Full	4.457	4.990	PASS
N13	15	5	CP-16QAM	H	Outer_Full	4.457	4.930	PASS
N13	15	5	CP-64QAM	H	Outer_Full	4.471	5.050	PASS
N13	15	5	CP-256QAM	H	Outer_Full	4.469	5.000	PASS
N13	15	10	DFT-QPSK	M	Outer_Full	8.939	9.680	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	8.916	9.660	PASS
N13	15	10	DFT-16QAM	M	Outer_Full	8.932	9.600	PASS
N13	15	10	DFT-64QAM	M	Outer_Full	8.932	9.540	PASS
N13	15	10	DFT-256QAM	M	Outer_Full	8.916	9.460	PASS



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N13	15	10	CP-QPSK	M	Outer_Full	9.271	9.960	PASS
N13	15	10	CP-16QAM	M	Outer_Full	9.260	9.940	PASS
N13	15	10	CP-64QAM	M	Outer_Full	9.279	9.920	PASS
N13	15	10	CP-256QAM	M	Outer_Full	9.267	10.140	PASS

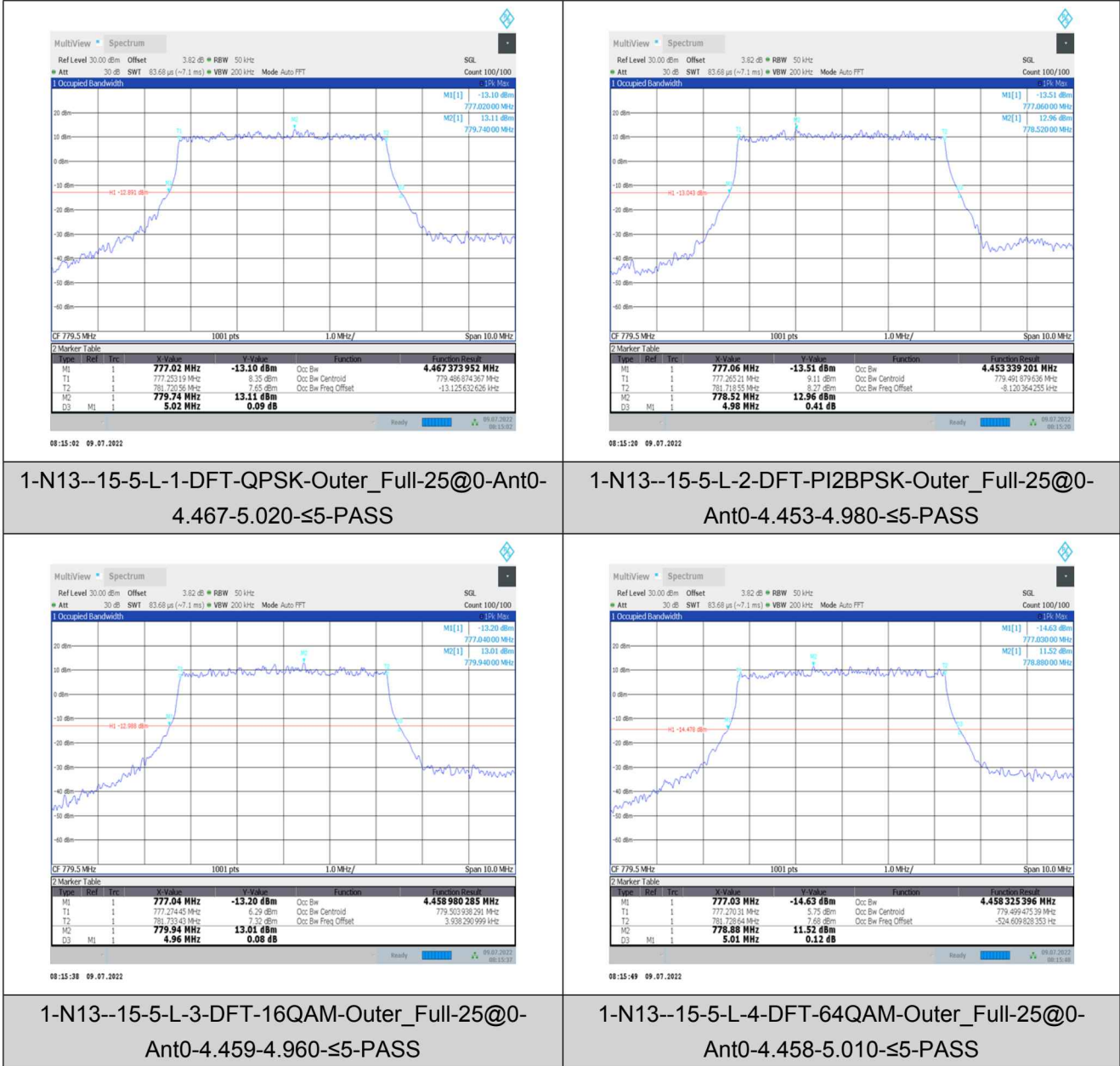


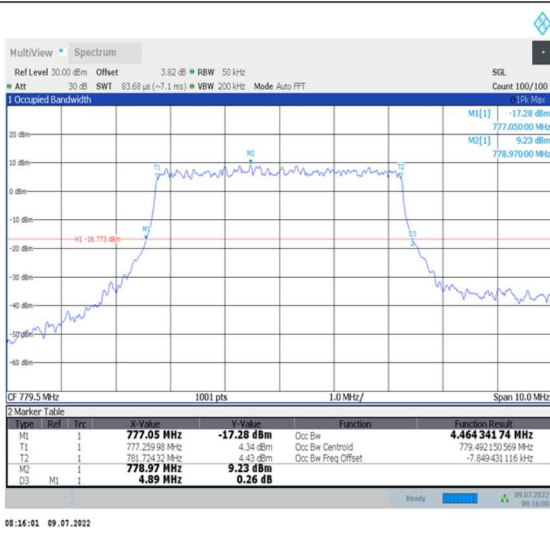
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Test Graphs

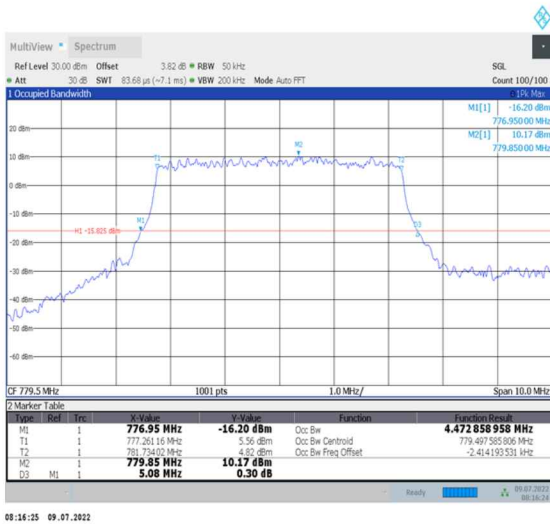




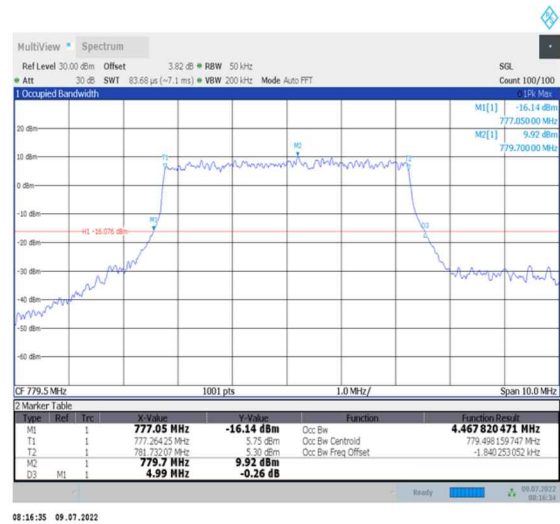
1-N13--15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant0-4.464-4.890-≤5-PASS



1-N13--15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant0-4.452-4.880-≤5-PASS



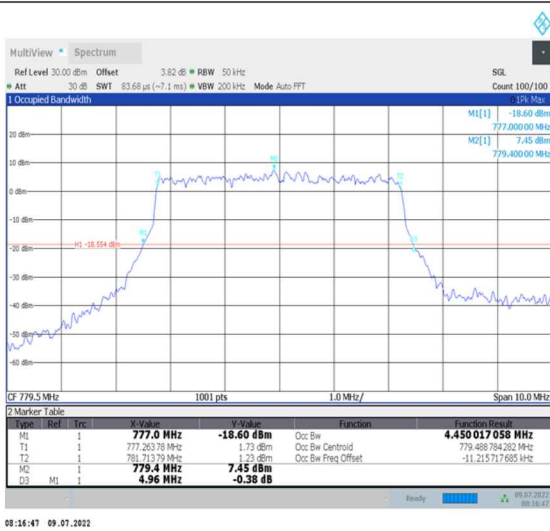
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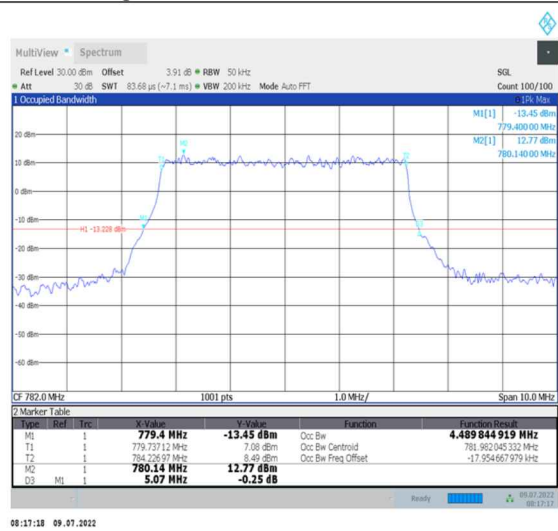
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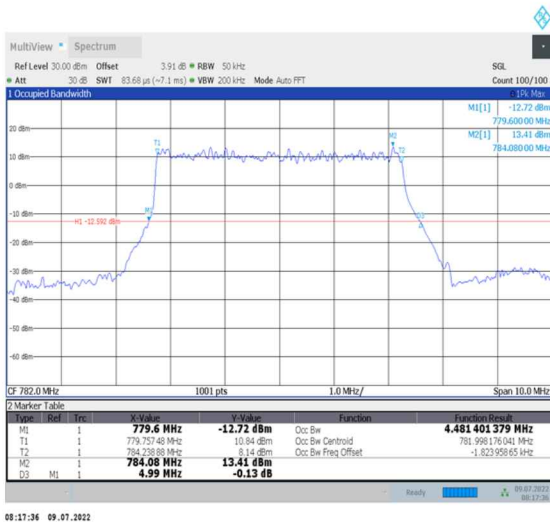
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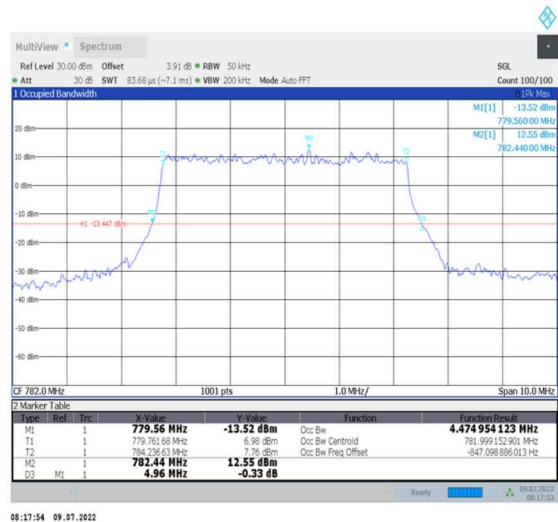
1-N13--15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant0-4.45-4.960-≤5-PASS



1-N13--15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant0-4.49-5.070-≤5-PASS



1-N13--15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant0-4.481-4.990-≤5-PASS



1-N13--15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant0-4.475-4.960-≤5-PASS

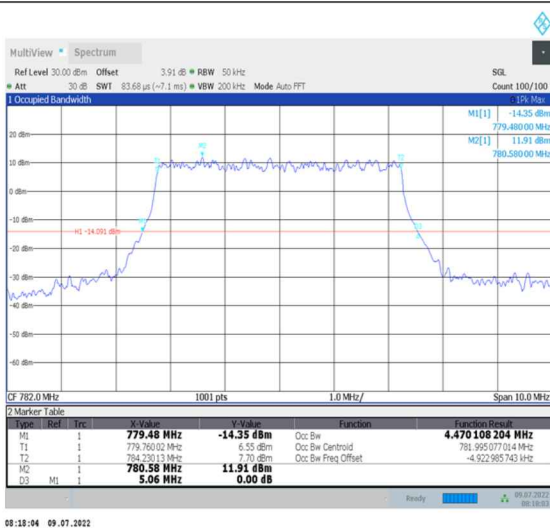


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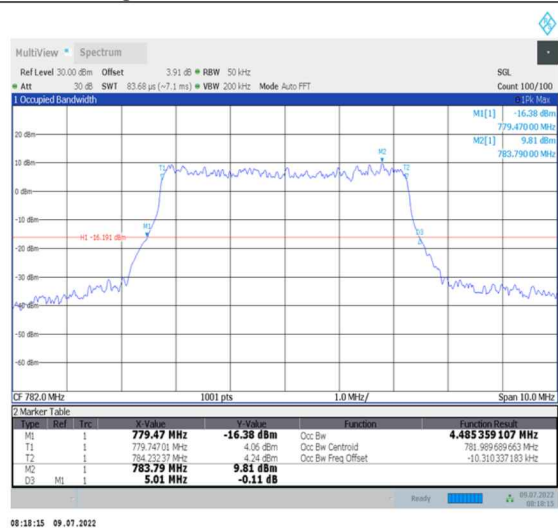
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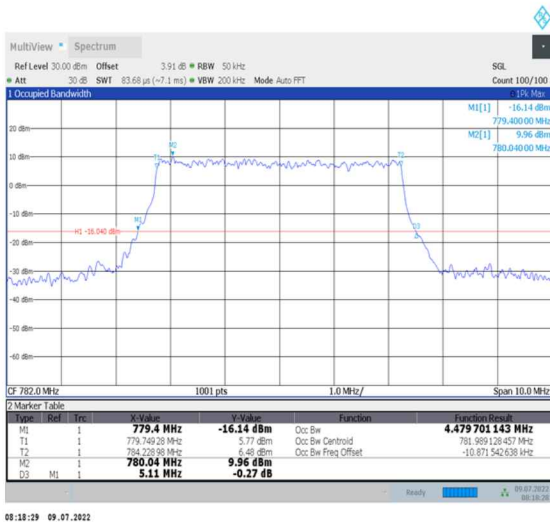
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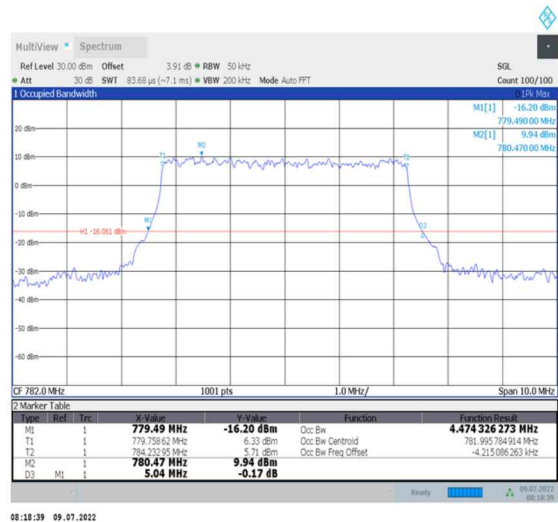
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1-N13--15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant0-4.485-5.010-\leq5-PASS



1-N13--15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant0-4.48-5.110-\leq5-PASS

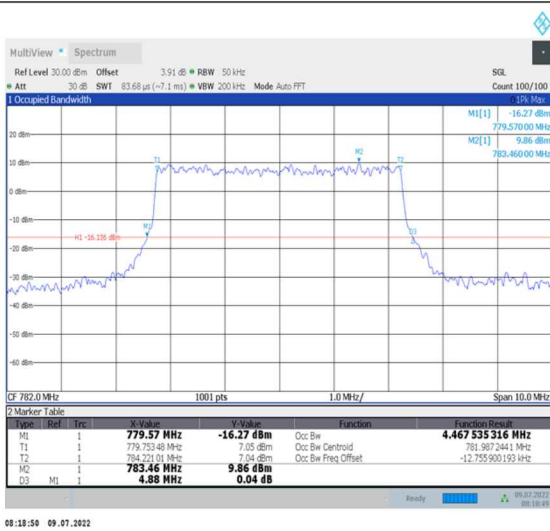


1-N13--15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant0-4.474-5.040-\leq5-PASS

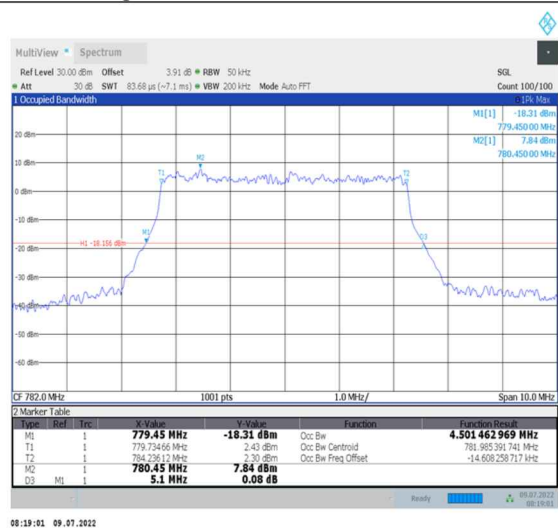


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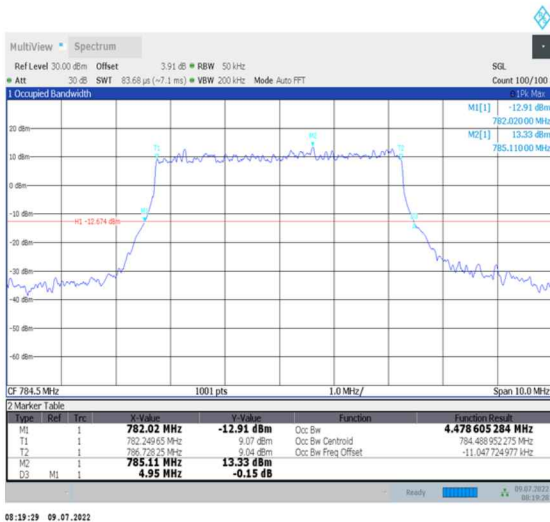
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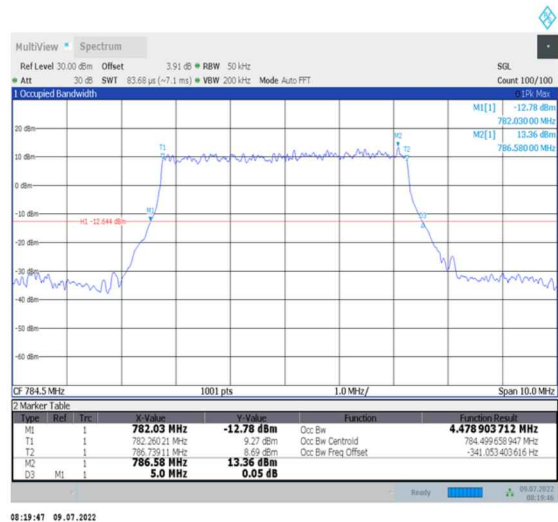
1-N13--15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant0-4.468-4.880-≤5-PASS



1-N13--15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant0-4.501-5.100-≤5-PASS



1-N13--15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant0-4.479-4.950-≤5-PASS



1-N13--15-5-H-2-DFT-PI2BPSK-Outer_Full-25@0-Ant0-4.479-5.000-≤5-PASS



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