

Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Ant 1

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit (dBm)	Verdict
N5	15	5	DFT-QPSK	L	1@1	24.02	17.87	38.45	PASS
N5	15	5	DFT-QPSK	L	1@23	24.05	17.9	38.45	PASS
N5	15	5	DFT-QPSK	L	25@0	24	17.85	38.45	PASS
N5	15	5	DFT-16QAM	L	1@1	24.03	17.88	38.45	PASS
N5	15	5	DFT-16QAM	L	1@23	24.05	17.9	38.45	PASS
N5	15	5	DFT-16QAM	L	25@0	23.86	17.71	38.45	PASS
N5	15	5	DFT-64QAM	L	1@1	23.45	17.3	38.45	PASS
N5	15	5	DFT-64QAM	L	1@23	23.48	17.33	38.45	PASS
N5	15	5	DFT-64QAM	L	25@0	23.39	17.24	38.45	PASS
N5	15	5	DFT-256QAM	L	1@1	23.16	17.01	38.45	PASS
N5	15	5	DFT-256QAM	L	1@23	23.14	16.99	38.45	PASS
N5	15	5	DFT-256QAM	L	25@0	23.47	17.32	38.45	PASS
N5	15	5	DFT-QPSK	M	1@1	24.14	17.99	38.45	PASS
N5	15	5	DFT-QPSK	M	1@23	24.1	17.95	38.45	PASS
N5	15	5	DFT-QPSK	M	25@0	24.12	17.97	38.45	PASS
N5	15	5	DFT-16QAM	M	1@1	24.24	18.09	38.45	PASS
N5	15	5	DFT-16QAM	M	1@23	24.24	18.09	38.45	PASS
N5	15	5	DFT-16QAM	M	25@0	23.81	17.66	38.45	PASS
N5	15	5	DFT-64QAM	M	1@1	23.22	17.07	38.45	PASS
N5	15	5	DFT-64QAM	M	1@23	23.18	17.03	38.45	PASS
N5	15	5	DFT-64QAM	M	25@0	23.38	17.23	38.45	PASS
N5	15	5	DFT-256QAM	M	1@1	23.03	16.88	38.45	PASS
N5	15	5	DFT-256QAM	M	1@23	23.06	16.91	38.45	PASS
N5	15	5	DFT-256QAM	M	25@0	23.34	17.19	38.45	PASS
N5	15	5	DFT-QPSK	H	1@1	24.03	17.88	38.45	PASS
N5	15	5	DFT-QPSK	H	1@23	23.97	17.82	38.45	PASS
N5	15	5	DFT-QPSK	H	25@0	24	17.85	38.45	PASS
N5	15	5	DFT-16QAM	H	1@1	24.22	18.07	38.45	PASS
N5	15	5	DFT-16QAM	H	1@23	23.81	17.66	38.45	PASS
N5	15	5	DFT-16QAM	H	25@0	23.68	17.53	38.45	PASS
N5	15	5	DFT-64QAM	H	1@1	23.3	17.15	38.45	PASS
N5	15	5	DFT-64QAM	H	1@23	23.23	17.08	38.45	PASS
N5	15	5	DFT-64QAM	H	25@0	23.21	17.06	38.45	PASS
N5	15	5	DFT-256QAM	H	1@1	23.02	16.87	38.45	PASS
N5	15	5	DFT-256QAM	H	1@23	22.95	16.8	38.45	PASS
N5	15	5	DFT-256QAM	H	25@0	23.22	17.07	38.45	PASS
N5	15	10	DFT-QPSK	L	1@1	24.15	18	38.45	PASS

N5	15	10	DFT-QPSK	L	1@50	24.19	18.04	38.45	PASS
N5	15	10	DFT-QPSK	L	50@0	24.3	18.15	38.45	PASS
N5	15	10	DFT-16QAM	L	1@1	24.02	17.87	38.45	PASS
N5	15	10	DFT-16QAM	L	1@50	24.04	17.89	38.45	PASS
N5	15	10	DFT-16QAM	L	50@0	24.03	17.88	38.45	PASS
N5	15	10	DFT-64QAM	L	1@1	23.46	17.31	38.45	PASS
N5	15	10	DFT-64QAM	L	1@50	23.46	17.31	38.45	PASS
N5	15	10	DFT-64QAM	L	50@0	23.52	17.37	38.45	PASS
N5	15	10	DFT-256QAM	L	1@1	23.14	16.99	38.45	PASS
N5	15	10	DFT-256QAM	L	1@50	23.22	17.07	38.45	PASS
N5	15	10	DFT-256QAM	L	50@0	23.5	17.35	38.45	PASS
N5	15	10	DFT-QPSK	M	1@1	24.28	18.13	38.45	PASS
N5	15	10	DFT-QPSK	M	1@50	24.07	17.92	38.45	PASS
N5	15	10	DFT-QPSK	M	50@0	24.17	18.02	38.45	PASS
N5	15	10	DFT-16QAM	M	1@1	24.29	18.14	38.45	PASS
N5	15	10	DFT-16QAM	M	1@50	24.17	18.02	38.45	PASS
N5	15	10	DFT-16QAM	M	50@0	23.84	17.69	38.45	PASS
N5	15	10	DFT-64QAM	M	1@1	23.38	17.23	38.45	PASS
N5	15	10	DFT-64QAM	M	1@50	23.12	16.97	38.45	PASS
N5	15	10	DFT-64QAM	M	50@0	23.36	17.21	38.45	PASS
N5	15	10	DFT-256QAM	M	1@1	23.11	16.96	38.45	PASS
N5	15	10	DFT-256QAM	M	1@50	23	16.85	38.45	PASS
N5	15	10	DFT-256QAM	M	50@0	23.38	17.23	38.45	PASS
N5	15	10	DFT-QPSK	H	1@1	24.07	17.92	38.45	PASS
N5	15	10	DFT-QPSK	H	1@50	23.99	17.84	38.45	PASS
N5	15	10	DFT-QPSK	H	50@0	24.13	17.98	38.45	PASS
N5	15	10	DFT-16QAM	H	1@1	24.27	18.12	38.45	PASS
N5	15	10	DFT-16QAM	H	1@50	23.84	17.69	38.45	PASS
N5	15	10	DFT-16QAM	H	50@0	23.81	17.66	38.45	PASS
N5	15	10	DFT-64QAM	H	1@1	23.4	17.25	38.45	PASS
N5	15	10	DFT-64QAM	H	1@50	23.32	17.17	38.45	PASS
N5	15	10	DFT-64QAM	H	50@0	23.21	17.06	38.45	PASS
N5	15	10	DFT-256QAM	H	1@1	23.14	16.99	38.45	PASS
N5	15	10	DFT-256QAM	H	1@50	22.97	16.82	38.45	PASS
N5	15	10	DFT-256QAM	H	50@0	23.32	17.17	38.45	PASS
N5	15	15	DFT-QPSK	L	1@1	24.21	18.06	38.45	PASS
N5	15	15	DFT-QPSK	L	1@77	24.04	17.89	38.45	PASS
N5	15	15	DFT-QPSK	L	75@0	24.31	18.16	38.45	PASS
N5	15	15	DFT-16QAM	L	1@1	24.42	18.27	38.45	PASS
N5	15	15	DFT-16QAM	L	1@77	23.91	17.76	38.45	PASS
N5	15	15	DFT-16QAM	L	75@0	24.09	17.94	38.45	PASS
N5	15	15	DFT-64QAM	L	1@1	23.6	17.45	38.45	PASS
N5	15	15	DFT-64QAM	L	1@77	23.35	17.2	38.45	PASS
N5	15	15	DFT-64QAM	L	75@0	23.55	17.4	38.45	PASS

N5	15	15	DFT-256QAM	L	1@1	23.24	17.09	38.45	PASS
N5	15	15	DFT-256QAM	L	1@77	23.03	16.88	38.45	PASS
N5	15	15	DFT-256QAM	L	75@0	23.59	17.44	38.45	PASS
N5	15	15	DFT-QPSK	M	1@1	24.08	17.93	38.45	PASS
N5	15	15	DFT-QPSK	M	1@77	23.9	17.75	38.45	PASS
N5	15	15	DFT-QPSK	M	75@0	24.28	18.13	38.45	PASS
N5	15	15	DFT-16QAM	M	1@1	24.11	17.96	38.45	PASS
N5	15	15	DFT-16QAM	M	1@77	23.78	17.63	38.45	PASS
N5	15	15	DFT-16QAM	M	75@0	23.98	17.83	38.45	PASS
N5	15	15	DFT-64QAM	M	1@1	23.5	17.35	38.45	PASS
N5	15	15	DFT-64QAM	M	1@77	23.16	17.01	38.45	PASS
N5	15	15	DFT-64QAM	M	75@0	23.44	17.29	38.45	PASS
N5	15	15	DFT-256QAM	M	1@1	23.17	17.02	38.45	PASS
N5	15	15	DFT-256QAM	M	1@77	22.9	16.75	38.45	PASS
N5	15	15	DFT-256QAM	M	75@0	23.51	17.36	38.45	PASS
N5	15	15	DFT-QPSK	H	1@1	24.22	18.07	38.45	PASS
N5	15	15	DFT-QPSK	H	1@77	23.94	17.79	38.45	PASS
N5	15	15	DFT-QPSK	H	75@0	24.21	18.06	38.45	PASS
N5	15	15	DFT-16QAM	H	1@1	24.08	17.93	38.45	PASS
N5	15	15	DFT-16QAM	H	1@77	23.8	17.65	38.45	PASS
N5	15	15	DFT-16QAM	H	75@0	23.9	17.75	38.45	PASS
N5	15	15	DFT-64QAM	H	1@1	23.5	17.35	38.45	PASS
N5	15	15	DFT-64QAM	H	1@77	23.25	17.1	38.45	PASS
N5	15	15	DFT-64QAM	H	75@0	23.37	17.22	38.45	PASS
N5	15	15	DFT-256QAM	H	1@1	23.23	17.08	38.45	PASS
N5	15	15	DFT-256QAM	H	1@77	22.85	16.7	38.45	PASS
N5	15	15	DFT-256QAM	H	75@0	23.41	17.26	38.45	PASS
N5	15	20	DFT-QPSK	L	1@1	24.21	18.06	38.45	PASS
N5	15	20	DFT-QPSK	L	1@104	23.94	17.79	38.45	PASS
N5	15	20	DFT-QPSK	L	100@0	24.3	18.15	38.45	PASS
N5	15	20	DFT-16QAM	L	1@1	24.12	17.97	38.45	PASS
N5	15	20	DFT-16QAM	L	1@104	23.85	17.7	38.45	PASS
N5	15	20	DFT-16QAM	L	100@0	23.98	17.83	38.45	PASS
N5	15	20	DFT-64QAM	L	1@1	23.54	17.39	38.45	PASS
N5	15	20	DFT-64QAM	L	1@104	23.17	17.02	38.45	PASS
N5	15	20	DFT-64QAM	L	100@0	23.54	17.39	38.45	PASS
N5	15	20	DFT-256QAM	L	1@1	23.21	17.06	38.45	PASS
N5	15	20	DFT-256QAM	L	1@104	22.84	16.69	38.45	PASS
N5	15	20	DFT-256QAM	L	100@0	23.54	17.39	38.45	PASS
N5	15	20	DFT-QPSK	M	1@1	24.36	18.21	38.45	PASS
N5	15	20	DFT-QPSK	M	1@104	23.9	17.75	38.45	PASS
N5	15	20	DFT-QPSK	M	100@0	24.24	18.09	38.45	PASS
N5	15	20	DFT-16QAM	M	1@1	24.08	17.93	38.45	PASS
N5	15	20	DFT-16QAM	M	1@104	23.83	17.68	38.45	PASS

N5	15	20	DFT-16QAM	M	100@0	23.96	17.81	38.45	PASS
N5	15	20	DFT-64QAM	M	1@1	23.52	17.37	38.45	PASS
N5	15	20	DFT-64QAM	M	1@104	23.24	17.09	38.45	PASS
N5	15	20	DFT-64QAM	M	100@0	23.5	17.35	38.45	PASS
N5	15	20	DFT-256QAM	M	1@1	23.28	17.13	38.45	PASS
N5	15	20	DFT-256QAM	M	1@104	22.89	16.74	38.45	PASS
N5	15	20	DFT-256QAM	M	100@0	23.44	17.29	38.45	PASS
N5	15	20	DFT-QPSK	H	1@1	24.19	18.04	38.45	PASS
N5	15	20	DFT-QPSK	H	1@104	23.99	17.84	38.45	PASS
N5	15	20	DFT-QPSK	H	100@0	24.21	18.06	38.45	PASS
N5	15	20	DFT-16QAM	H	1@1	24.09	17.94	38.45	PASS
N5	15	20	DFT-16QAM	H	1@104	23.76	17.61	38.45	PASS
N5	15	20	DFT-16QAM	H	100@0	23.9	17.75	38.45	PASS
N5	15	20	DFT-64QAM	H	1@1	23.6	17.45	38.45	PASS
N5	15	20	DFT-64QAM	H	1@104	23.15	17	38.45	PASS
N5	15	20	DFT-64QAM	H	100@0	23.44	17.29	38.45	PASS
N5	15	20	DFT-256QAM	H	1@1	23.2	17.05	38.45	PASS
N5	15	20	DFT-256QAM	H	1@104	22.87	16.72	38.45	PASS
N5	15	20	DFT-256QAM	H	100@0	23.42	17.27	38.45	PASS

Peak-to-Average Ratio for SA

Test Graphs



1-N5-PC3-15-20-L-1-NS_01-DFT-256QAM-Outer_Full-100@0-6.17dB-PASS



1-N5-PC3-15-20-L-2-NS_01-CP-256QAM-Outer_Full-106@0-7.23dB-PASS



1-N5-PC3-15-20-M-1-NS_01-DFT-256QAM-Outer_Full-100@0-6.21dB-PASS



1-N5-PC3-15-20-M-2-NS_01-CP-256QAM-Outer_Full-106@0-7.49dB-PASS



1-N5-PC3-15-20-H-1-NS 01-DFT-256QAM-Outer Full-100@0-6.26dB-PASS



1-N5-PC3-15-20-H-2-NS_01-CP-256QAM-Outer_Full-106@0-7.69dB-PASS

26dB Bandwidth and Occupied Bandwidth for SA

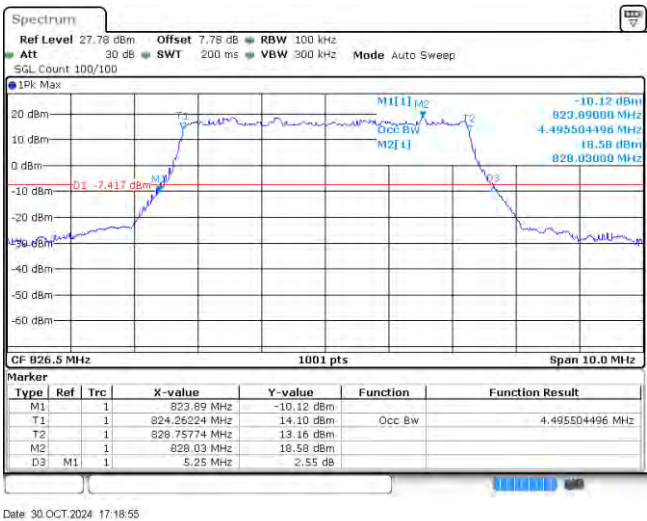
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	99% Result (MHz)	26dB Result (MHz)	Verdict
N5	15	5	DFT-QPSK	L	25@0	4.496	5.250	PASS
N5	15	5	DFT-16QAM	L	25@0	4.496	5.090	PASS
N5	15	5	DFT-64QAM	L	25@0	4.515	5.220	PASS
N5	15	5	DFT-256QAM	L	25@0	4.535	5.230	PASS
N5	15	5	CP-QPSK	L	25@0	4.515	5.350	PASS
N5	15	5	CP-16QAM	L	25@0	4.525	5.300	PASS
N5	15	5	CP-64QAM	L	25@0	4.525	5.340	PASS
N5	15	5	CP-256QAM	L	25@0	4.505	5.300	PASS
N5	15	5	DFT-QPSK	M	25@0	4.496	5.150	PASS
N5	15	5	DFT-16QAM	M	25@0	4.496	5.230	PASS
N5	15	5	DFT-64QAM	M	25@0	4.525	5.210	PASS
N5	15	5	DFT-256QAM	M	25@0	4.515	5.160	PASS
N5	15	5	CP-QPSK	M	25@0	4.496	5.220	PASS
N5	15	5	CP-16QAM	M	25@0	4.496	5.190	PASS
N5	15	5	CP-64QAM	M	25@0	4.505	5.320	PASS
N5	15	5	CP-256QAM	M	25@0	4.505	5.300	PASS
N5	15	5	DFT-QPSK	H	25@0	4.496	5.180	PASS
N5	15	5	DFT-16QAM	H	25@0	4.496	5.100	PASS
N5	15	5	DFT-64QAM	H	25@0	4.515	5.190	PASS
N5	15	5	DFT-256QAM	H	25@0	4.535	5.200	PASS
N5	15	5	CP-QPSK	H	25@0	4.505	5.250	PASS
N5	15	5	CP-16QAM	H	25@0	4.505	5.270	PASS
N5	15	5	CP-64QAM	H	25@0	4.515	5.340	PASS
N5	15	5	CP-256QAM	H	25@0	4.505	5.340	PASS
N5	15	10	DFT-QPSK	L	50@0	8.991	9.920	PASS
N5	15	10	DFT-16QAM	L	50@0	9.051	10.020	PASS
N5	15	10	DFT-64QAM	L	50@0	8.971	9.840	PASS
N5	15	10	DFT-256QAM	L	50@0	8.991	9.900	PASS
N5	15	10	CP-QPSK	L	52@0	9.311	10.300	PASS
N5	15	10	CP-16QAM	L	52@0	9.351	10.320	PASS
N5	15	10	CP-64QAM	L	52@0	9.351	10.340	PASS
N5	15	10	CP-256QAM	L	52@0	9.371	10.340	PASS
N5	15	10	DFT-QPSK	M	50@0	8.971	9.920	PASS
N5	15	10	DFT-16QAM	M	50@0	8.991	9.860	PASS

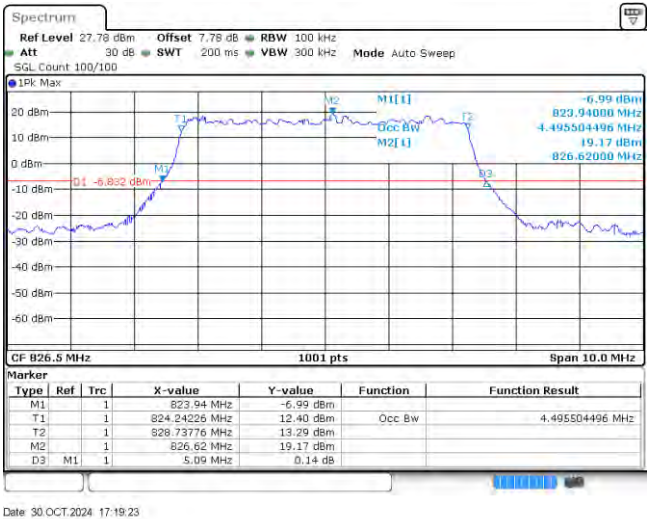
N5	15	10	DFT-64QAM	M	50@0	8.971	9.820	PASS
N5	15	10	DFT-256QAM	M	50@0	8.971	9.820	PASS
N5	15	10	CP-QPSK	M	52@0	9.291	10.280	PASS
N5	15	10	CP-16QAM	M	52@0	9.311	10.260	PASS
N5	15	10	CP-64QAM	M	52@0	9.331	10.280	PASS
N5	15	10	CP-256QAM	M	52@0	9.351	10.360	PASS
N5	15	10	DFT-QPSK	H	50@0	8.971	9.960	PASS
N5	15	10	DFT-16QAM	H	50@0	8.991	9.880	PASS
N5	15	10	DFT-64QAM	H	50@0	8.951	9.760	PASS
N5	15	10	DFT-256QAM	H	50@0	8.951	9.780	PASS
N5	15	10	CP-QPSK	H	52@0	9.291	10.300	PASS
N5	15	10	CP-16QAM	H	52@0	9.311	10.260	PASS
N5	15	10	CP-64QAM	H	52@0	9.331	10.280	PASS
N5	15	10	CP-256QAM	H	52@0	9.331	10.400	PASS
N5	15	15	DFT-QPSK	L	75@0	13.427	14.610	PASS
N5	15	15	DFT-16QAM	L	75@0	13.457	14.610	PASS
N5	15	15	DFT-64QAM	L	75@0	13.427	14.670	PASS
N5	15	15	DFT-256QAM	L	75@0	13.457	14.670	PASS
N5	15	15	CP-QPSK	L	79@0	14.176	15.390	PASS
N5	15	15	CP-16QAM	L	79@0	14.116	15.300	PASS
N5	15	15	CP-64QAM	L	79@0	14.116	15.390	PASS
N5	15	15	CP-256QAM	L	79@0	14.176	15.300	PASS
N5	15	15	DFT-QPSK	M	75@0	13.427	14.580	PASS
N5	15	15	DFT-16QAM	M	75@0	13.457	14.550	PASS
N5	15	15	DFT-64QAM	M	75@0	13.427	14.670	PASS
N5	15	15	DFT-256QAM	M	75@0	13.427	14.640	PASS
N5	15	15	CP-QPSK	M	79@0	14.146	15.360	PASS
N5	15	15	CP-16QAM	M	79@0	14.116	15.390	PASS
N5	15	15	CP-64QAM	M	79@0	14.086	15.360	PASS
N5	15	15	CP-256QAM	M	79@0	14.146	15.270	PASS
N5	15	15	DFT-QPSK	H	75@0	13.457	14.610	PASS
N5	15	15	DFT-16QAM	H	75@0	13.516	14.760	PASS
N5	15	15	DFT-64QAM	H	75@0	13.457	14.700	PASS
N5	15	15	DFT-256QAM	H	75@0	13.487	14.700	PASS
N5	15	15	CP-QPSK	H	79@0	14.176	15.300	PASS
N5	15	15	CP-16QAM	H	79@0	14.116	15.420	PASS
N5	15	15	CP-64QAM	H	79@0	14.116	15.330	PASS
N5	15	15	CP-256QAM	H	79@0	14.176	15.240	PASS
N5	15	20	DFT-QPSK	L	100@0	17.942	19.440	PASS
N5	15	20	DFT-16QAM	L	100@0	18.022	19.440	PASS
N5	15	20	DFT-64QAM	L	100@0	17.902	19.480	PASS
N5	15	20	DFT-256QAM	L	100@0	17.942	19.440	PASS
N5	15	20	CP-QPSK	L	106@0	18.901	20.560	PASS
N5	15	20	CP-16QAM	L	106@0	19.061	20.520	PASS

N5	15	20	CP-64QAM	L	106@0	18.981	20.560	PASS
N5	15	20	CP-256QAM	L	106@0	18.941	20.520	PASS
N5	15	20	DFT-QPSK	M	100@0	17.982	19.480	PASS
N5	15	20	DFT-16QAM	M	100@0	18.062	19.440	PASS
N5	15	20	DFT-64QAM	M	100@0	17.902	19.400	PASS
N5	15	20	DFT-256QAM	M	100@0	17.942	19.400	PASS
N5	15	20	CP-QPSK	M	106@0	18.941	20.400	PASS
N5	15	20	CP-16QAM	M	106@0	19.061	20.560	PASS
N5	15	20	CP-64QAM	M	106@0	19.021	20.480	PASS
N5	15	20	CP-256QAM	M	106@0	18.941	20.400	PASS
N5	15	20	DFT-QPSK	H	100@0	17.942	19.480	PASS
N5	15	20	DFT-16QAM	H	100@0	18.062	19.320	PASS
N5	15	20	DFT-64QAM	H	100@0	17.982	19.520	PASS
N5	15	20	DFT-256QAM	H	100@0	17.982	19.480	PASS
N5	15	20	CP-QPSK	H	106@0	18.901	20.400	PASS
N5	15	20	CP-16QAM	H	106@0	19.061	20.520	PASS
N5	15	20	CP-64QAM	H	106@0	18.981	20.560	PASS
N5	15	20	CP-256QAM	H	106@0	18.901	20.520	PASS

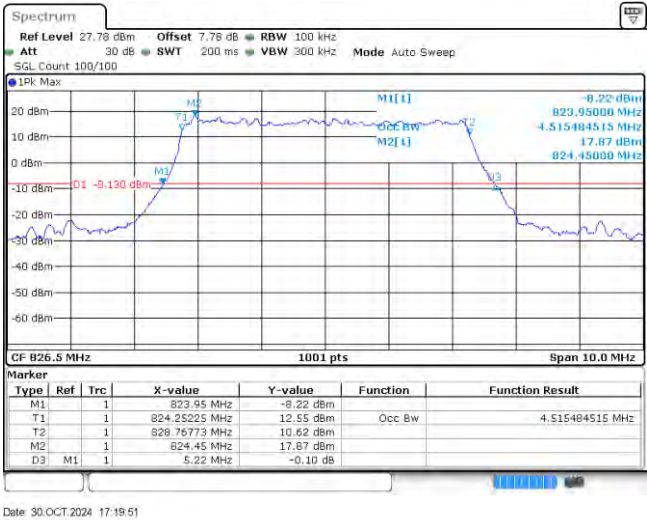
Test Graphs



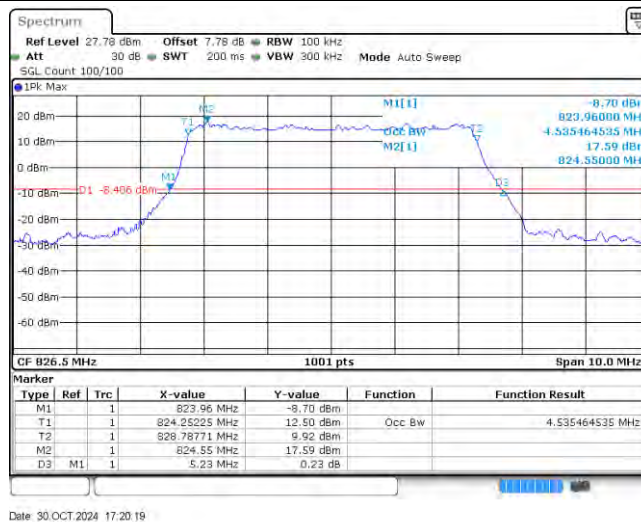
1-N5-PC3-15-5-L-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.496-5.250-≤5-PASS



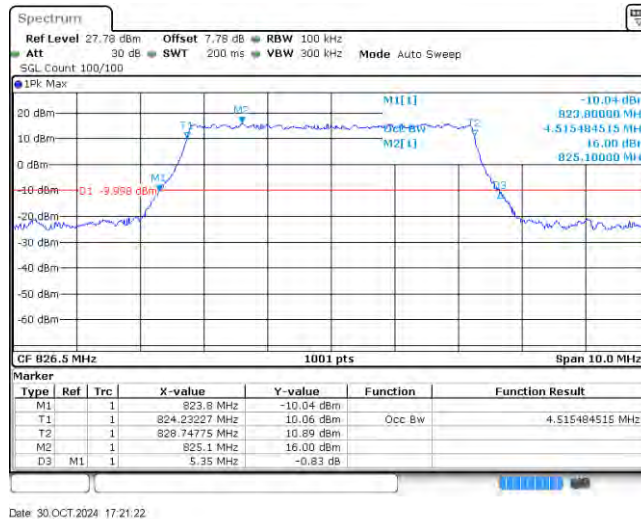
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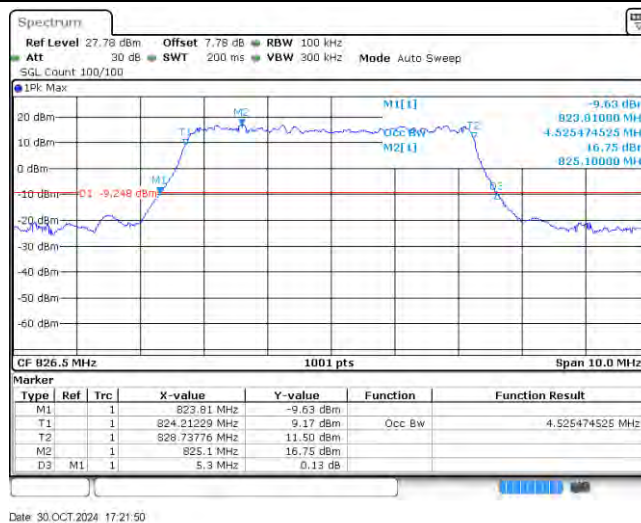
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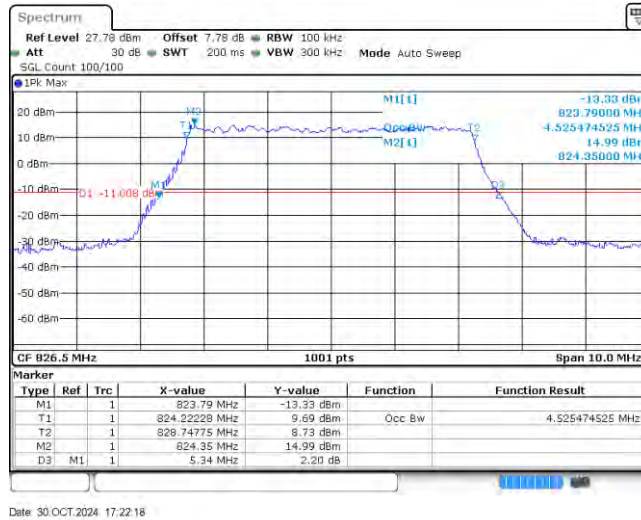
1-N5-PC3-15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.535-5.230-≤5-PASS



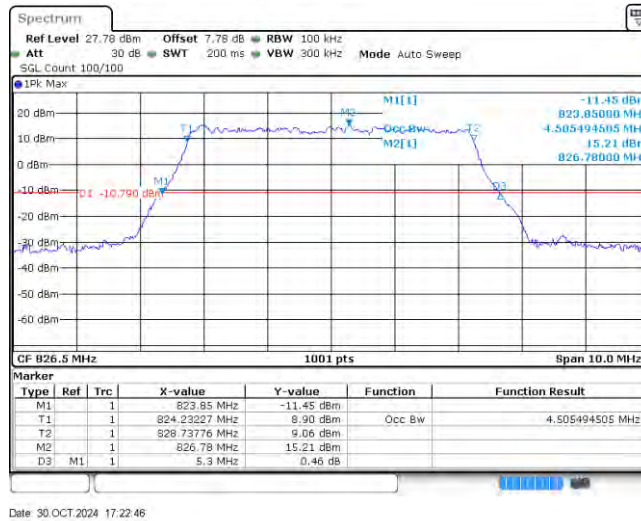
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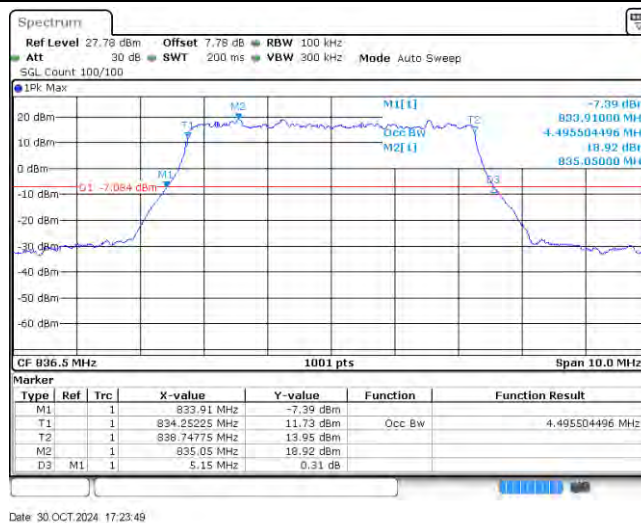
1-N5-PC3-15-5-L-7-CP-16QAM-Outer_Full-25@0-Ant1-4.525-5.300-≤5-PASS



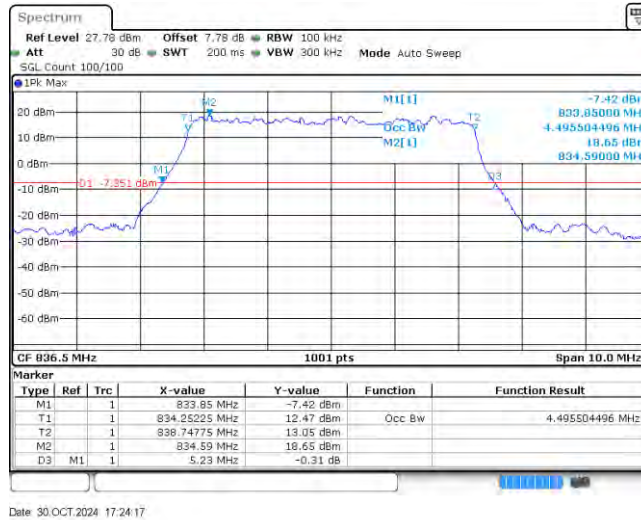
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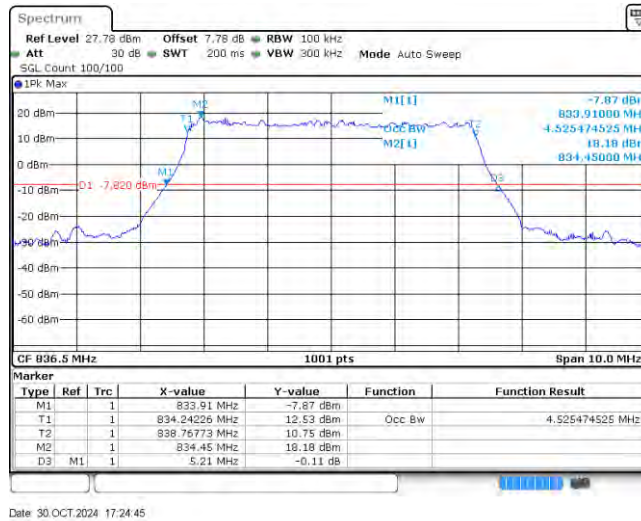
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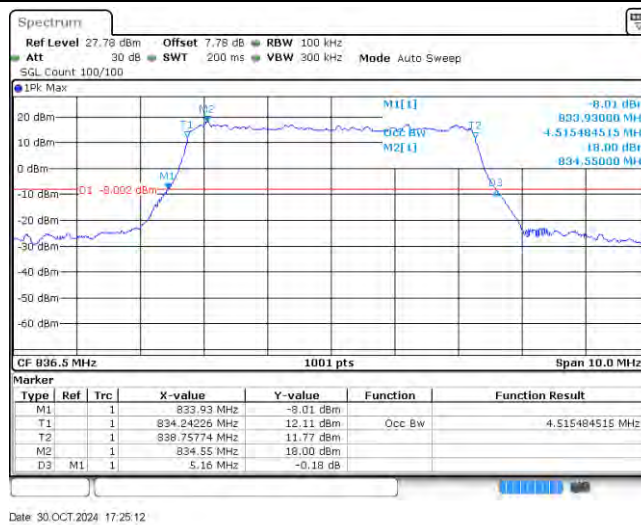
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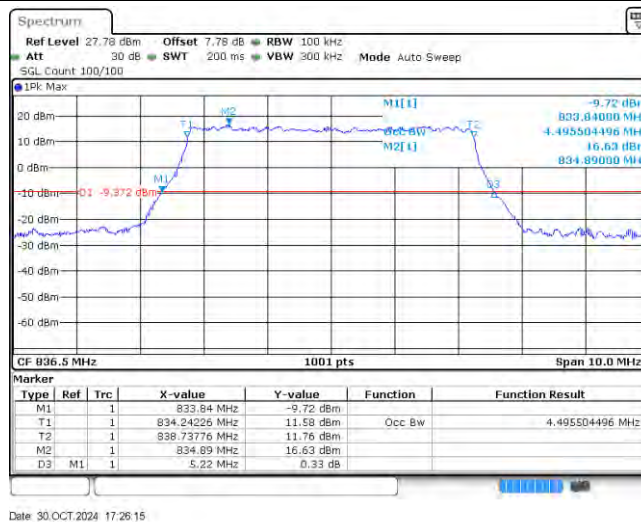
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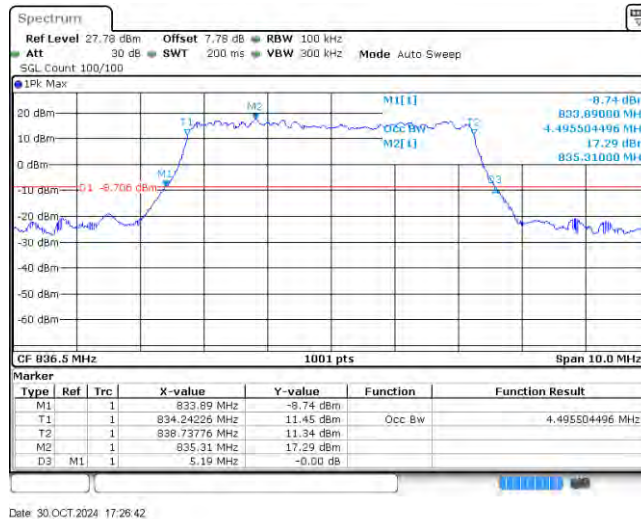
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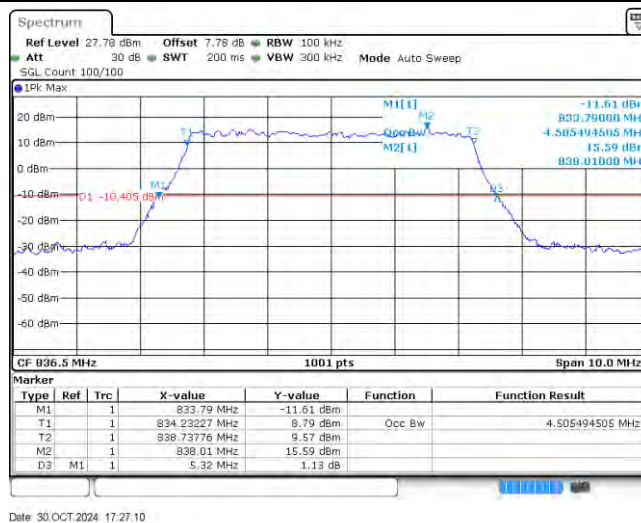
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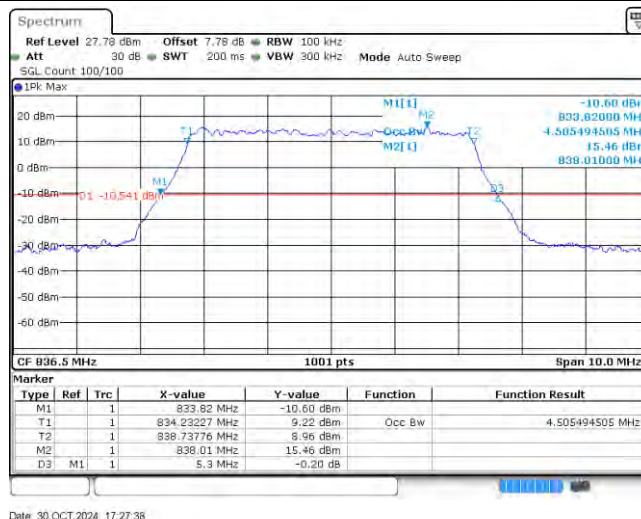
1-N5-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4.496-5.220-≤5-PASS



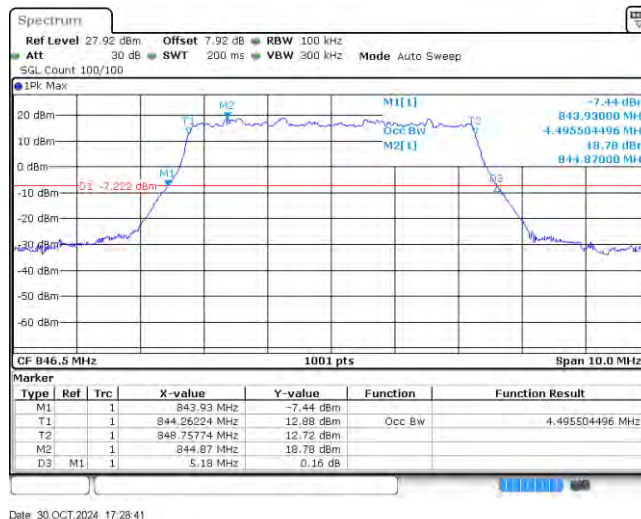
1-N5-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1-4.496-5.190-≤5-PASS



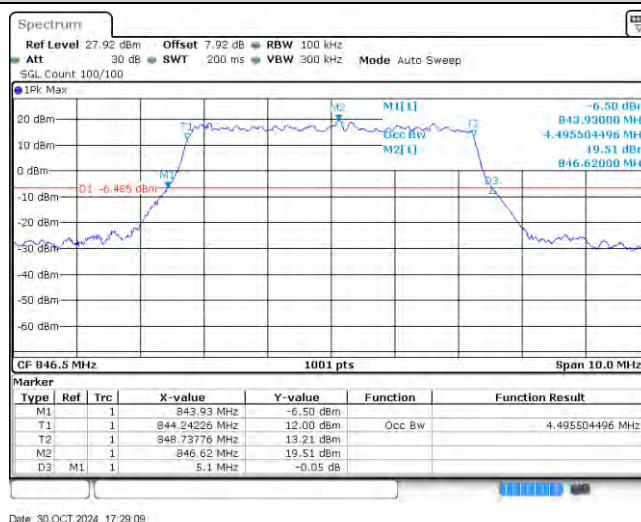
1-N5-PC3-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant1-4.505-5.320-≤5-PASS



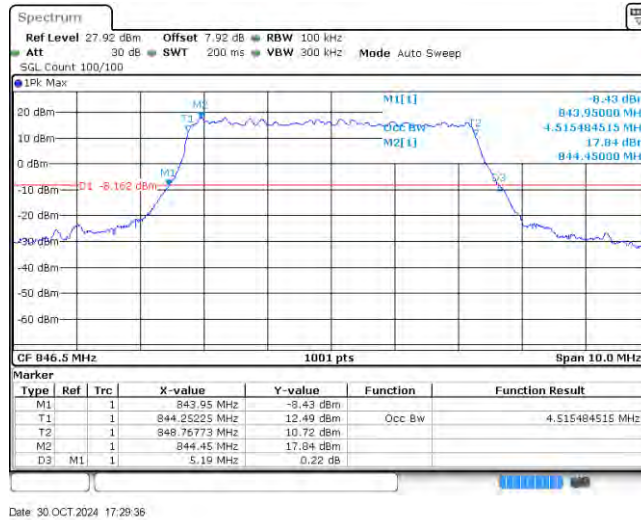
1-N5-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant1-4.505-5.300-≤5-PASS



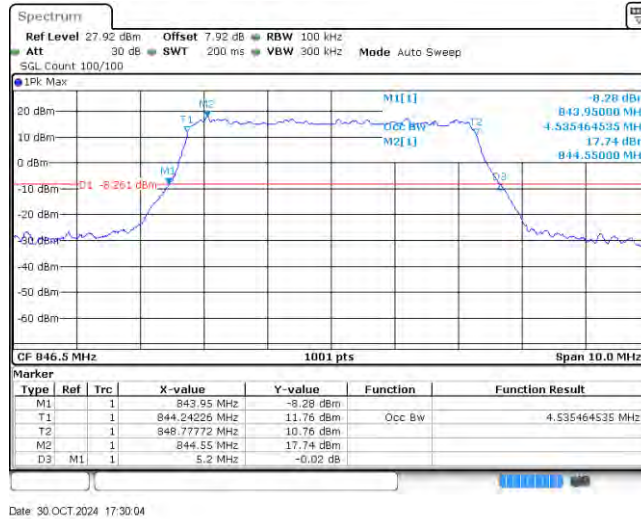
1-N5-PC3-15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.496-5.180-≤5-PASS



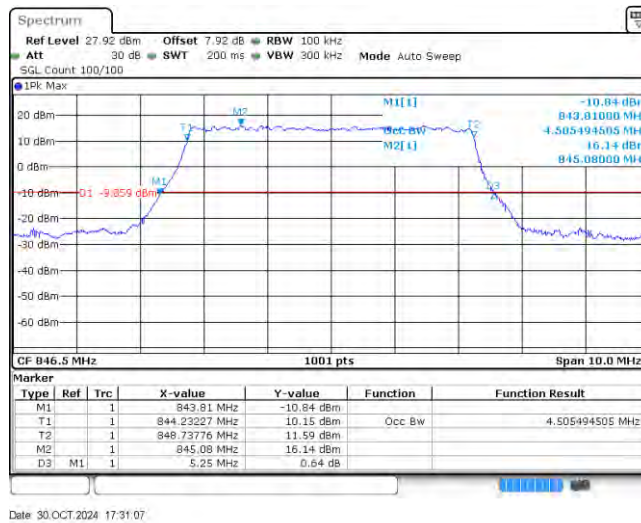
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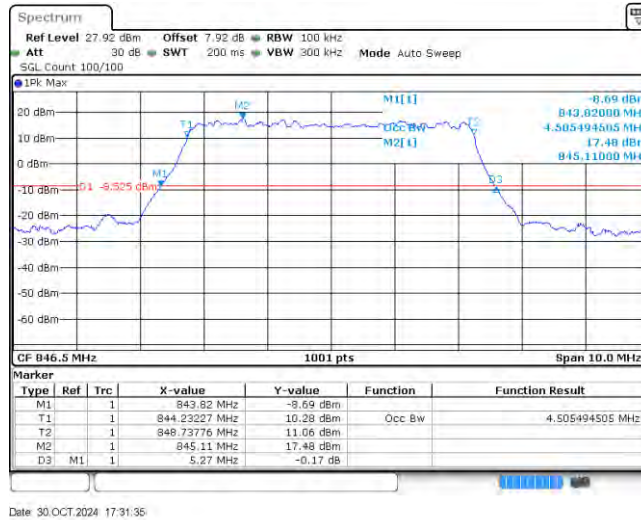
1-N5-PC3-15-5-H-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.515-5.190-≤5-PASS



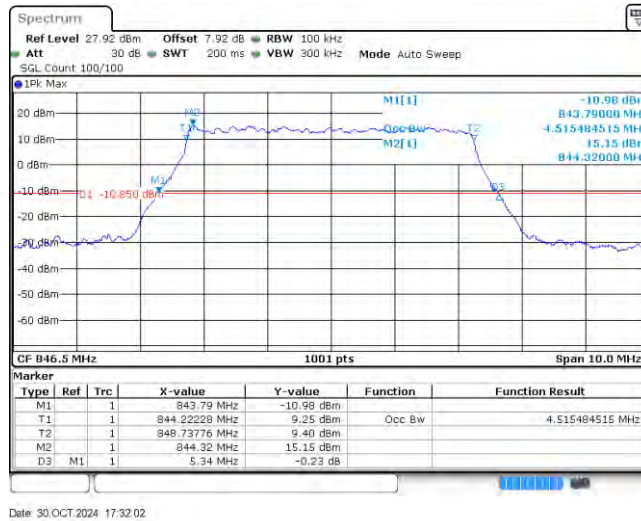
1-N5-PC3-15-5-H-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.535-5.200-≤5-PASS



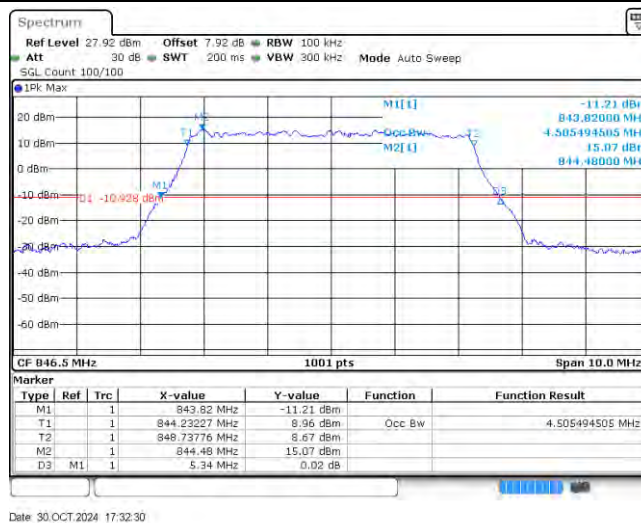
1-N5-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-4.505-5.250-≤5-PASS



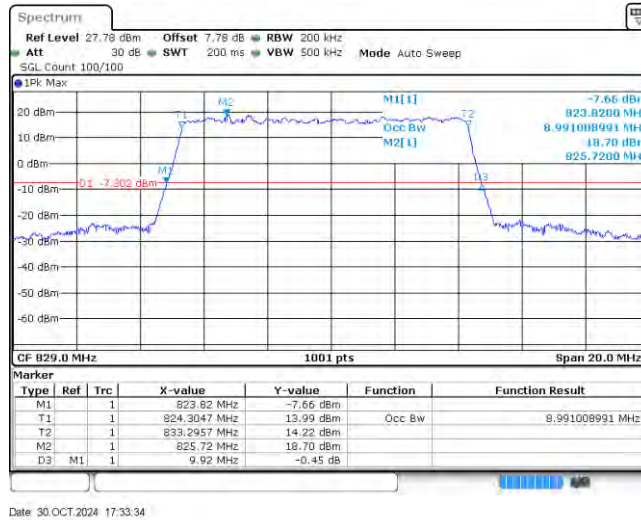
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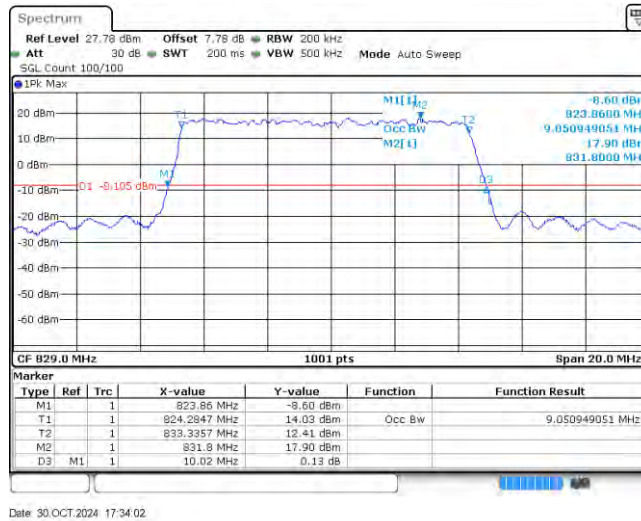
1-N5-PC3-15-5-H-8-CP-64QAM-Outer_Full-25@0-Ant1-4.515-5.340-≤5-PASS



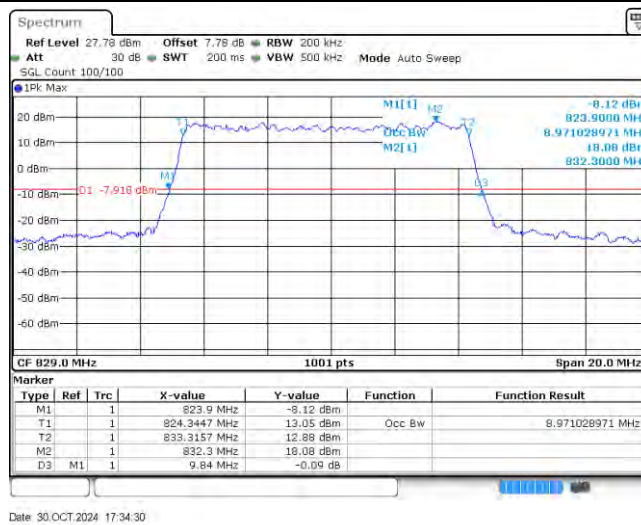
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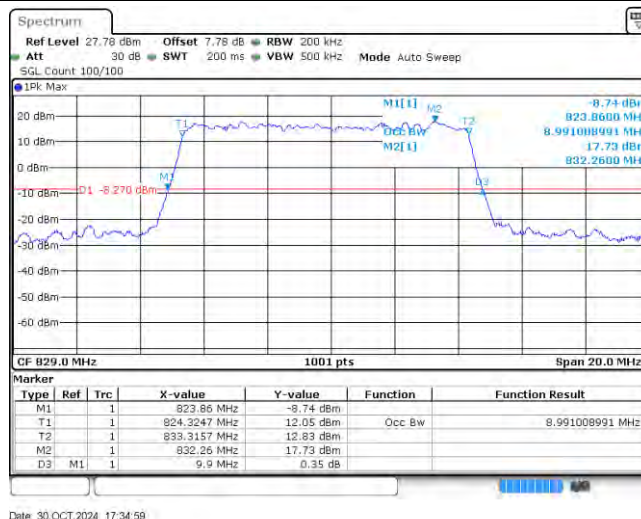
1-N5-PC3-15-10-L-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.991-9.920-≤10-PASS



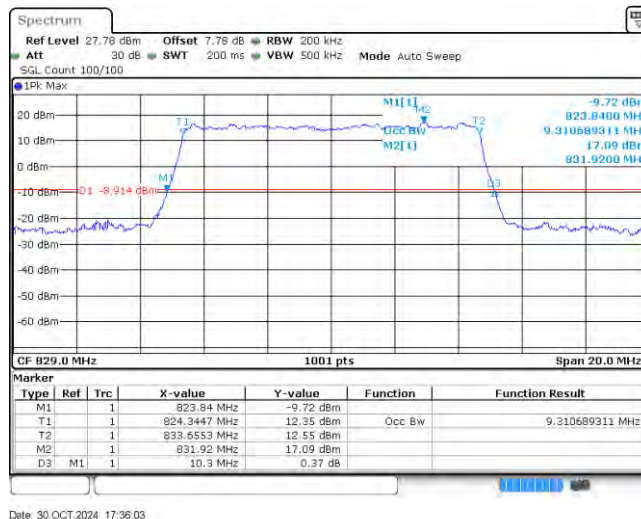
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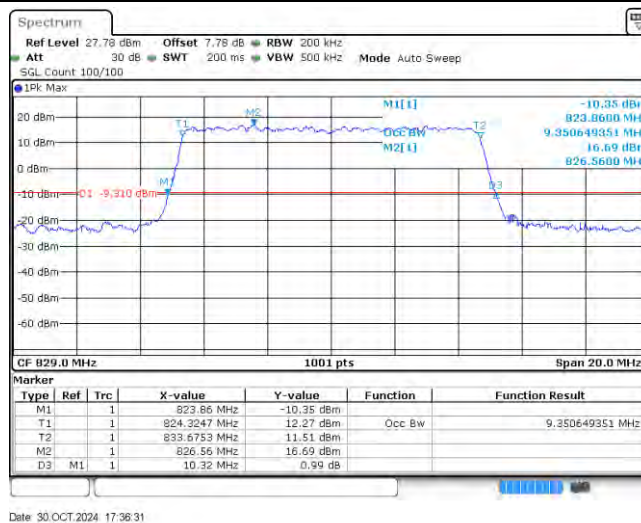
1-N5-PC3-15-10-L-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.971-9.840-≤10-PASS



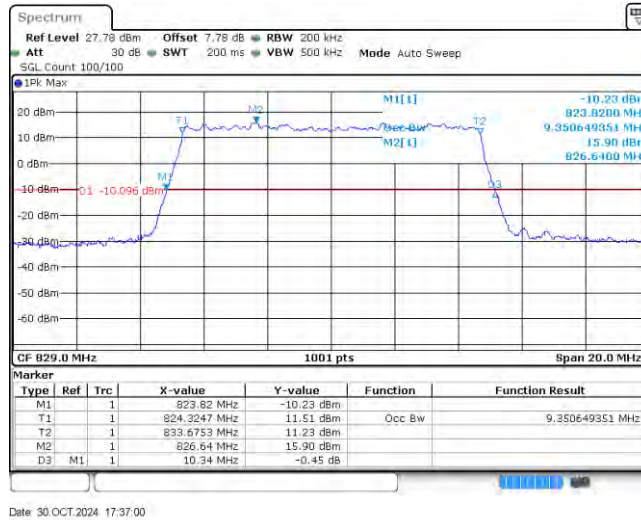
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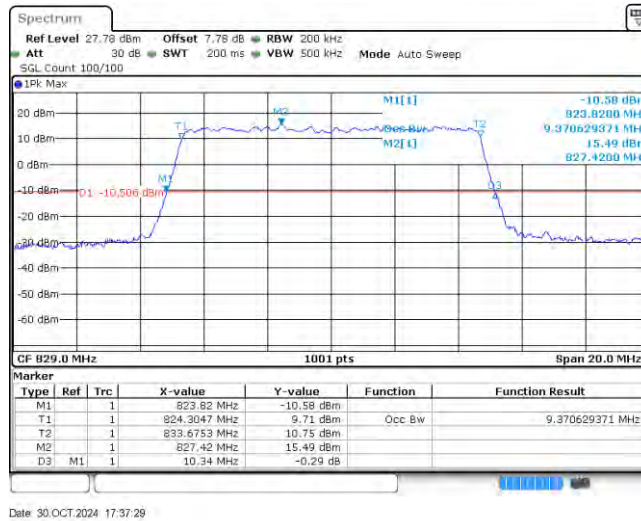
1-N5-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-9.311-10.300-≤10-PASS



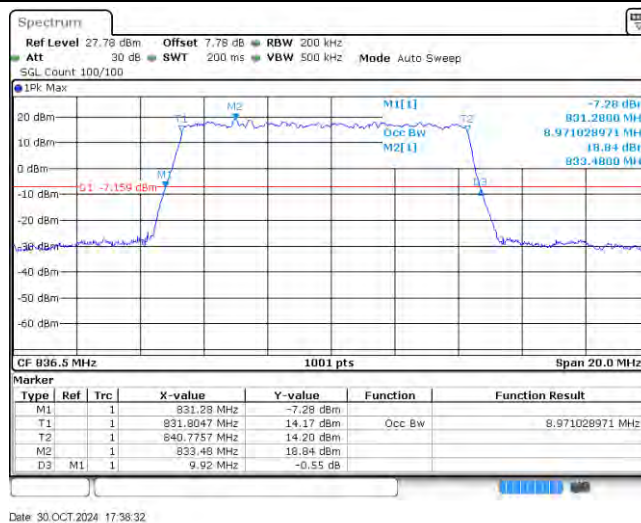
1-N5-PC3-15-10-L-7-CP-16QAM-Outer_Full-52@0-Ant1-9.351-10.320-≤10-PASS



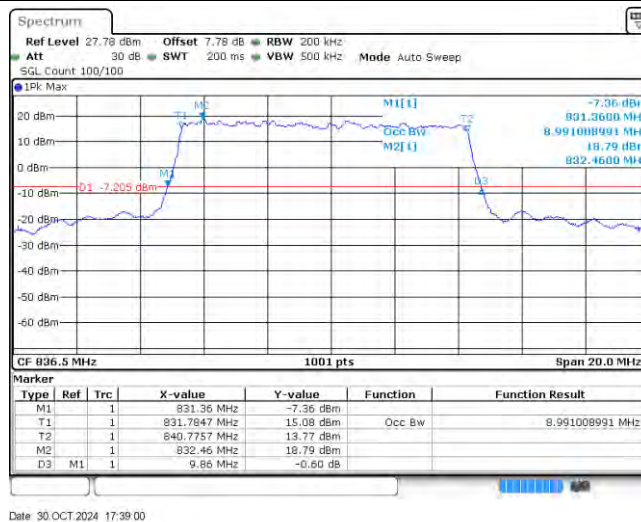
1-N5-PC3-15-10-L-8-CP-64QAM-Outer_Full-52@0-Ant1-9.351-10.340-≤10-PASS



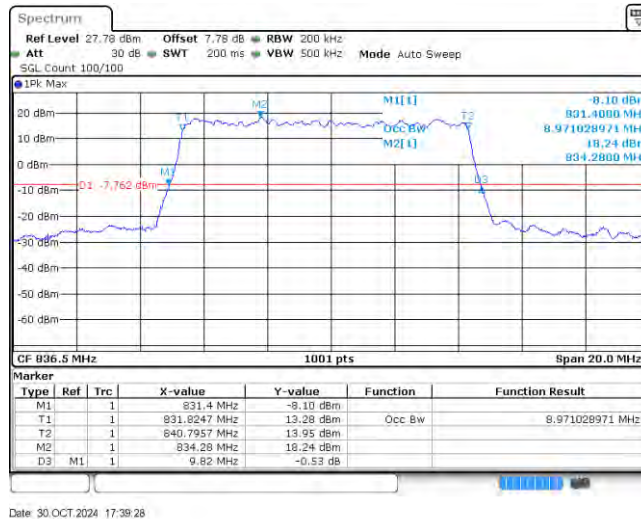
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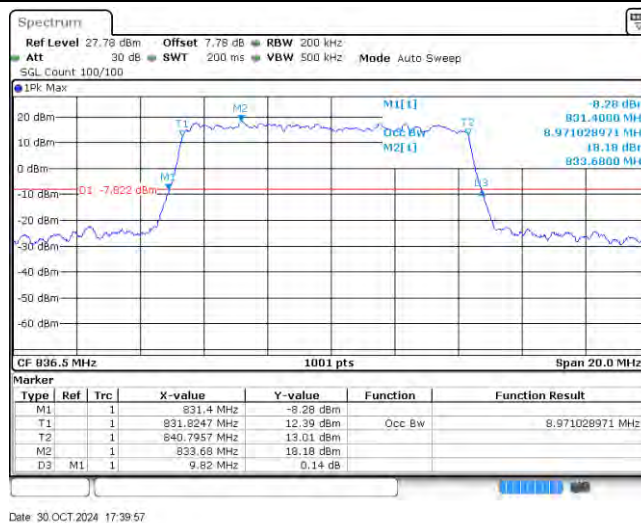
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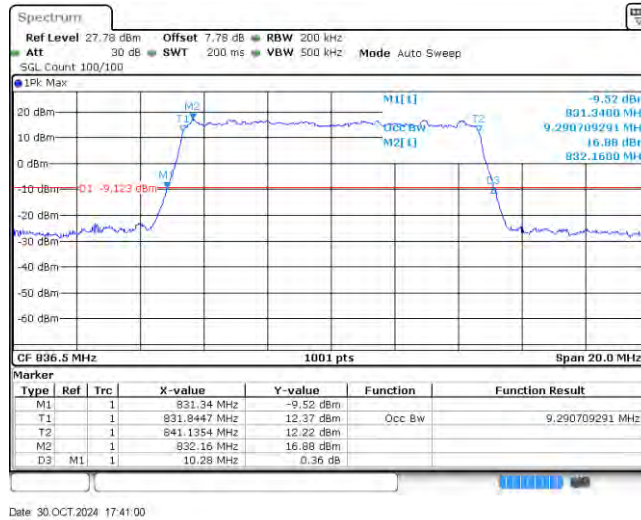
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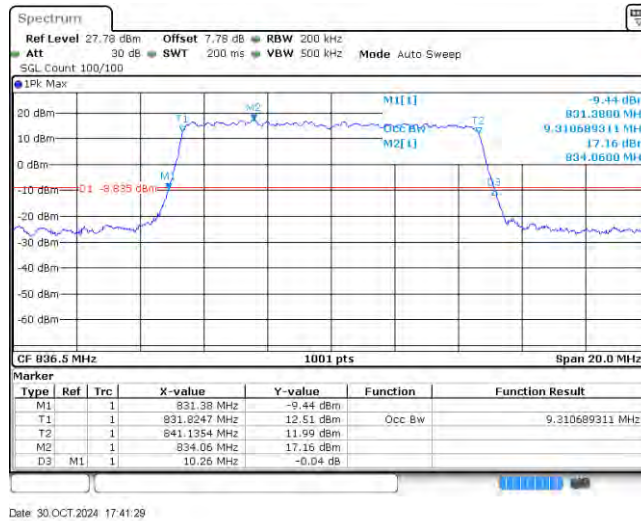
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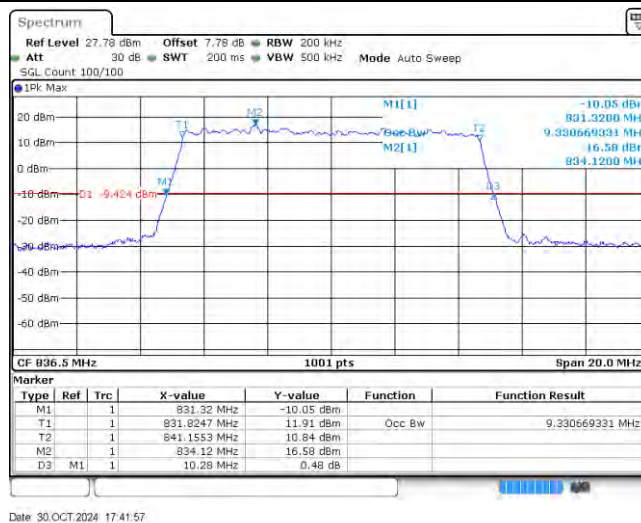
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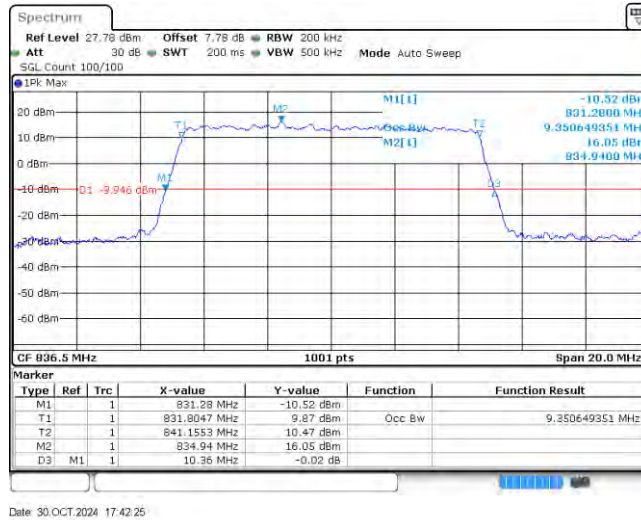
1-N5-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-9.291-10.280-≤10-PASS



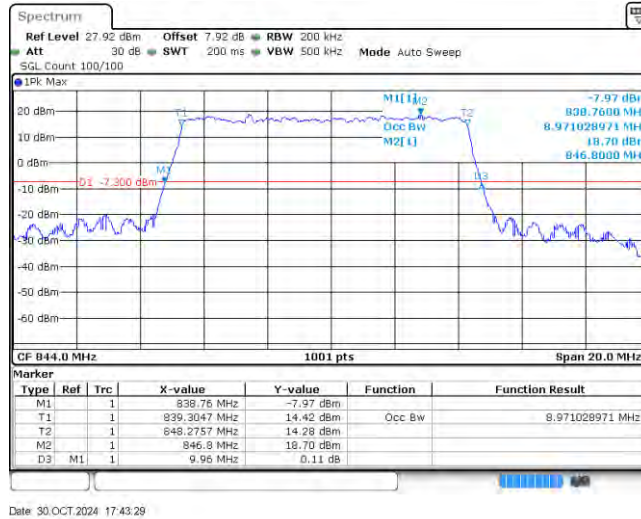
1-N5-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1-9.311-10.260-≤10-PASS



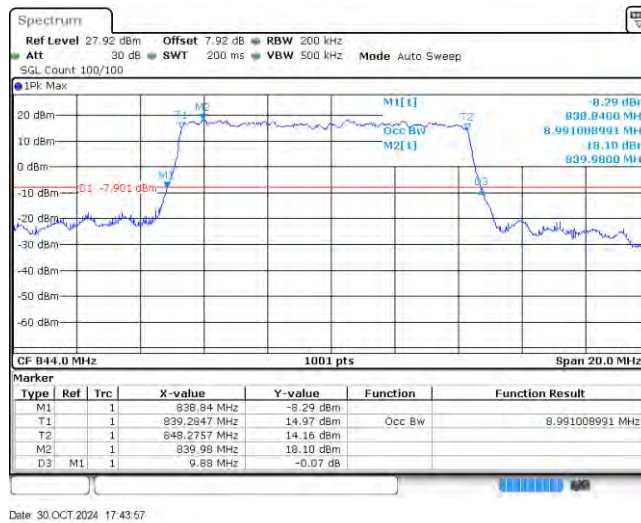
1-N5-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1-9.331-10.280-≤10-PASS



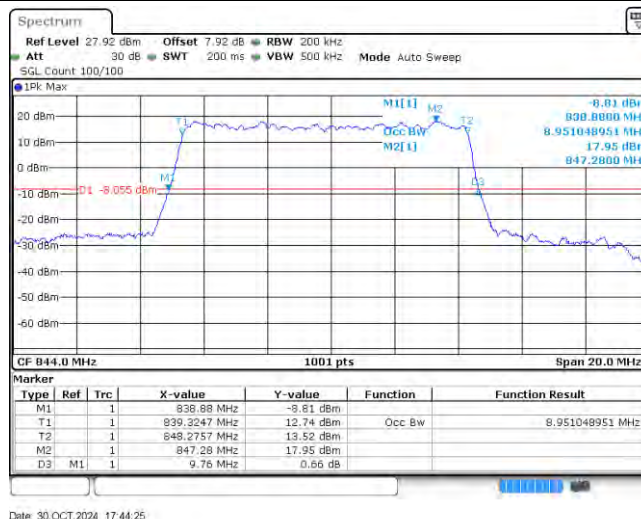
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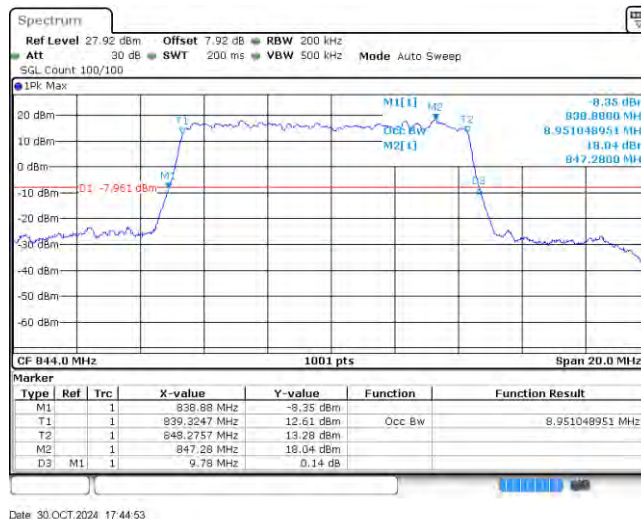
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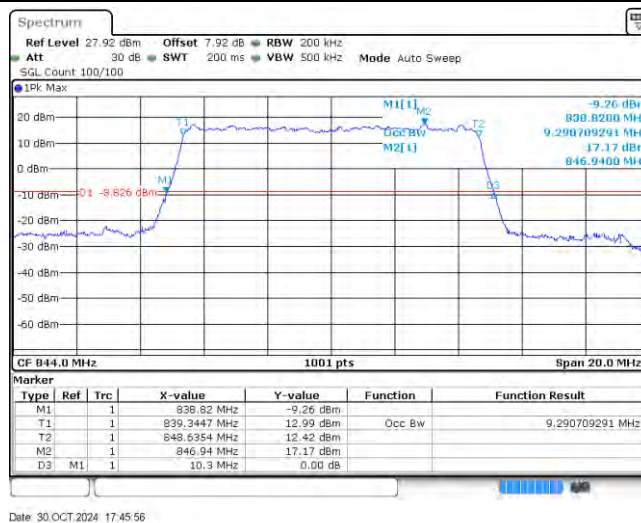
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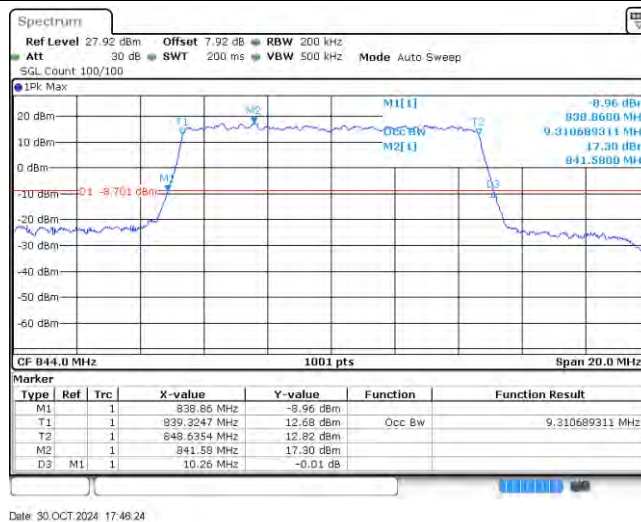
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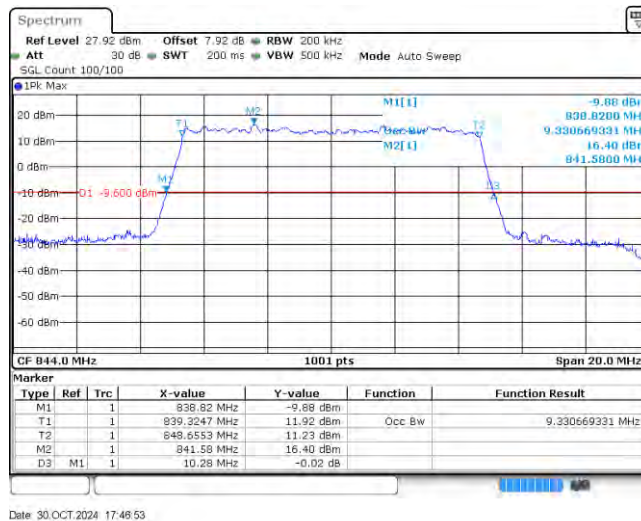
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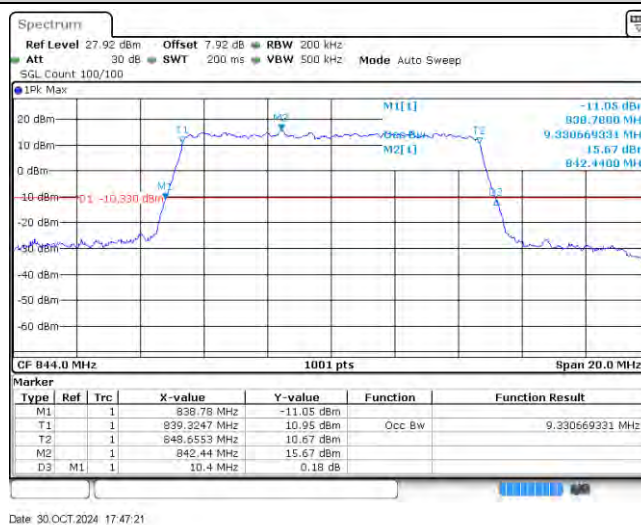
1-N5-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-9.291-10.300-≤10-PASS



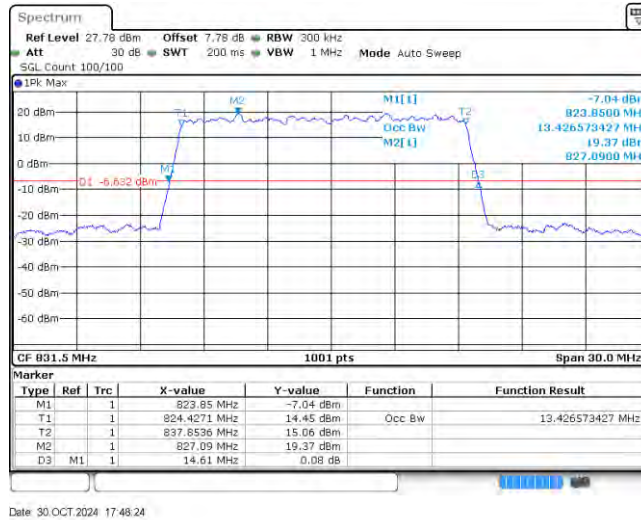
1-N5-PC3-15-10-H-7-CP-16QAM-Outer_Full-52@0-Ant1-9.311-10.260-≤10-PASS



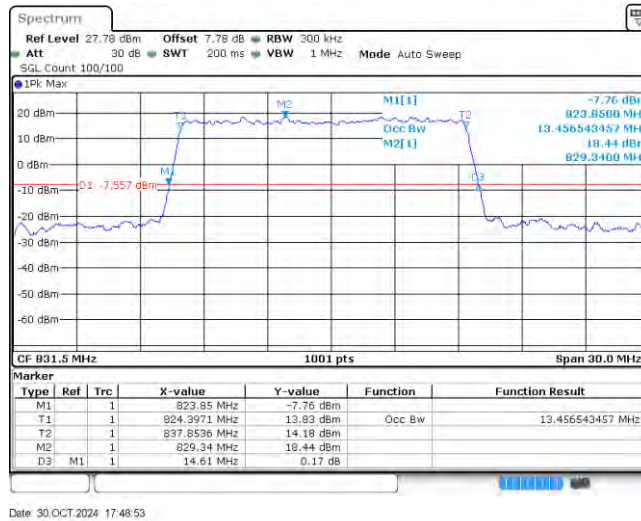
1-N5-PC3-15-10-H-8-CP-64QAM-Outer_Full-52@0-Ant1-9.331-10.280-≤10-PASS



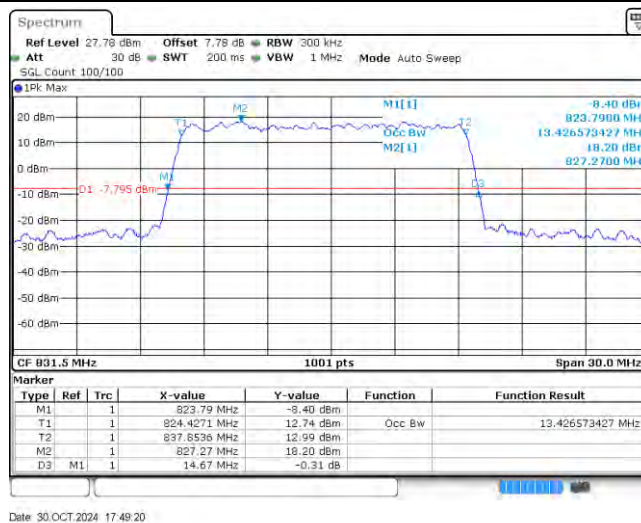
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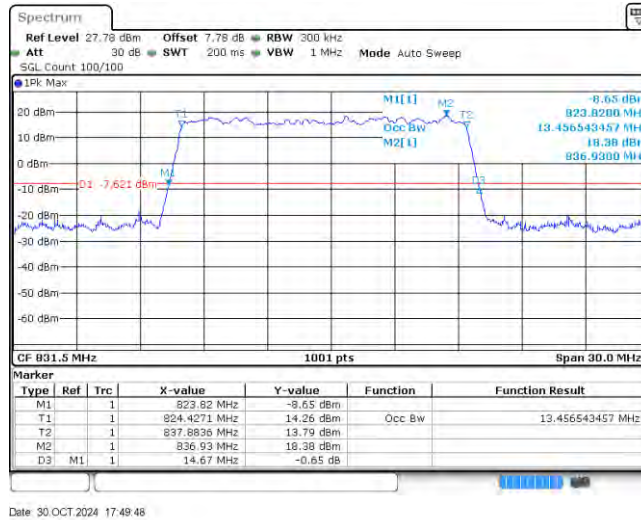
1-N5-PC3-15-15-L-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.427-14.610-≤15-PASS



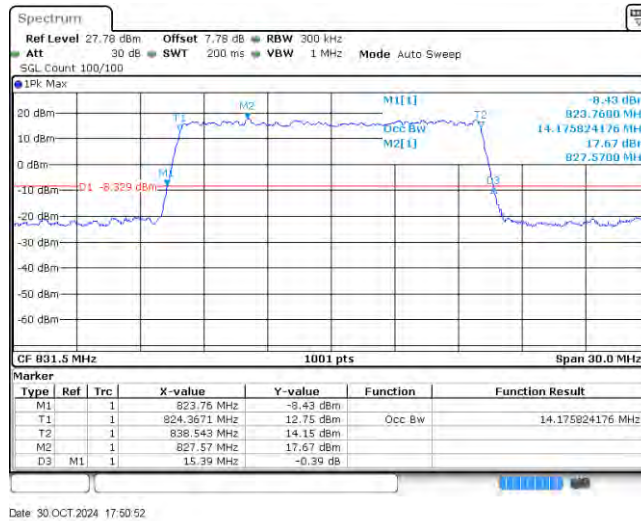
1-N5-PC3-15-15-L-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.457-14.610-≤15-PASS



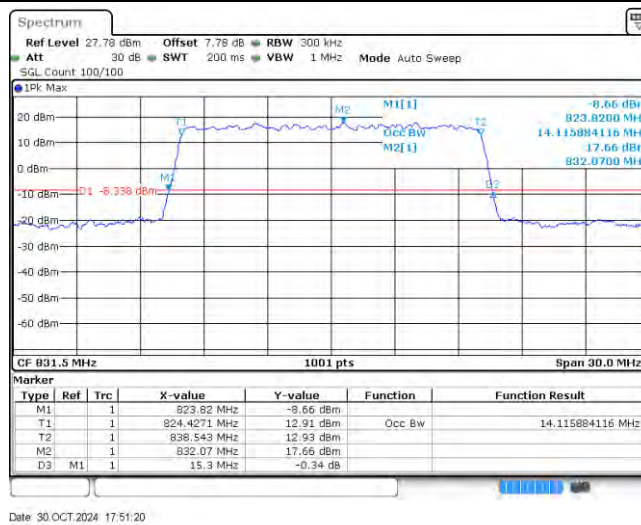
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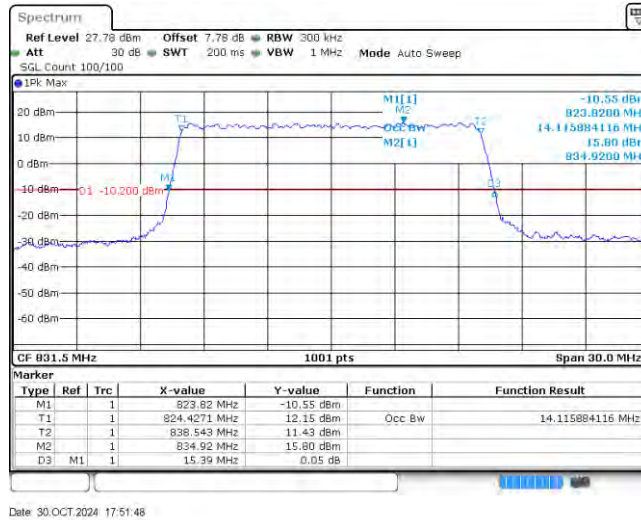
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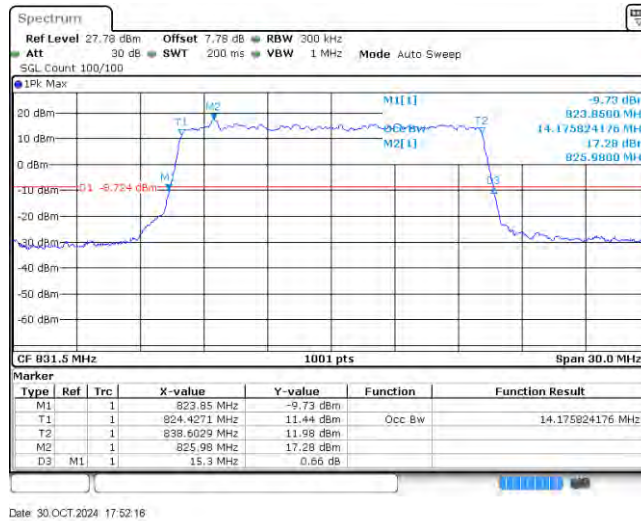
1-N5-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-14.176-15.390-≤15-PASS



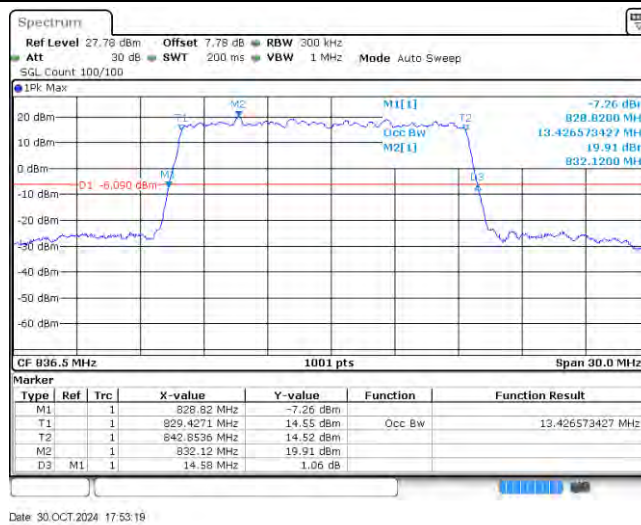
1-N5-PC3-15-15-L-7-CP-16QAM-Outer_Full-79@0-Ant1-14.116-15.300-≤15-PASS



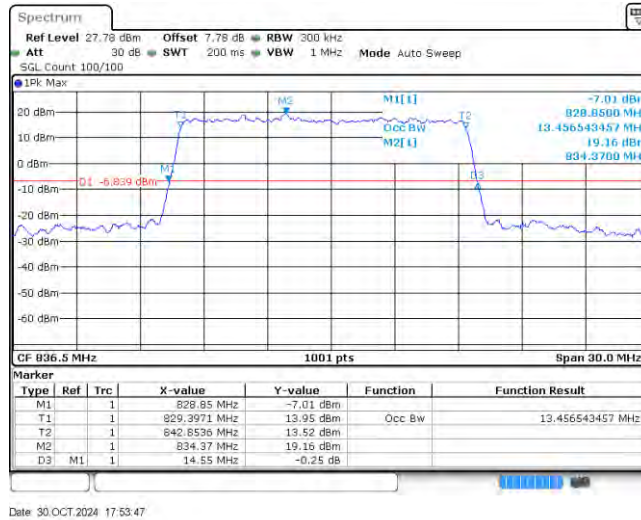
1-N5-PC3-15-15-L-8-CP-64QAM-Outer_Full-79@0-Ant1-14.116-15.390-≤15-PASS



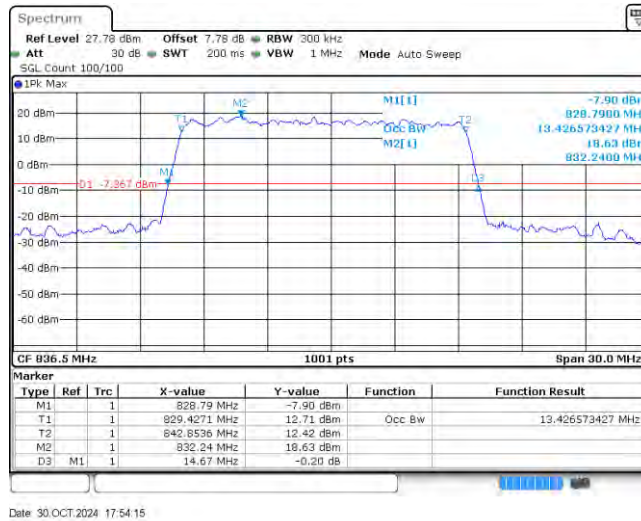
1-N5-PC3-15-15-L-9-CP-256QAM-Outer_Full-79@0-Ant1-14.176-15.300-≤15-PASS



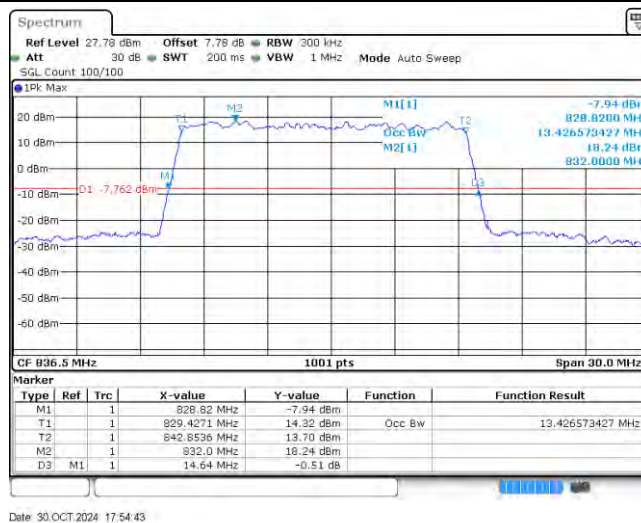
1-N5-PC3-15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.427-14.580-≤15-PASS



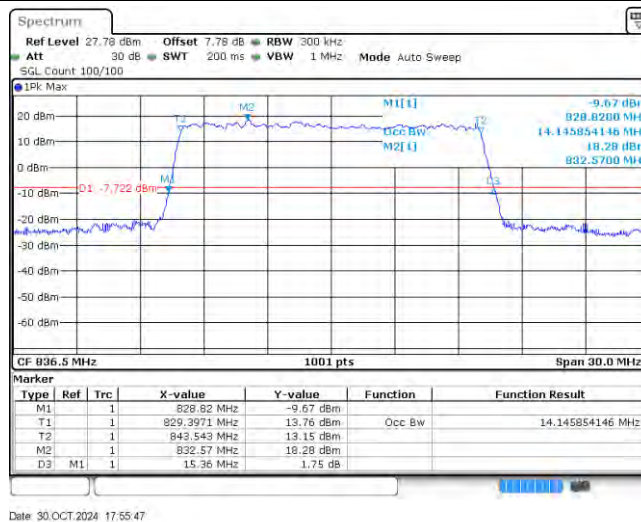
1-N5-PC3-15-15-M-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.457-14.550≤15-PASS



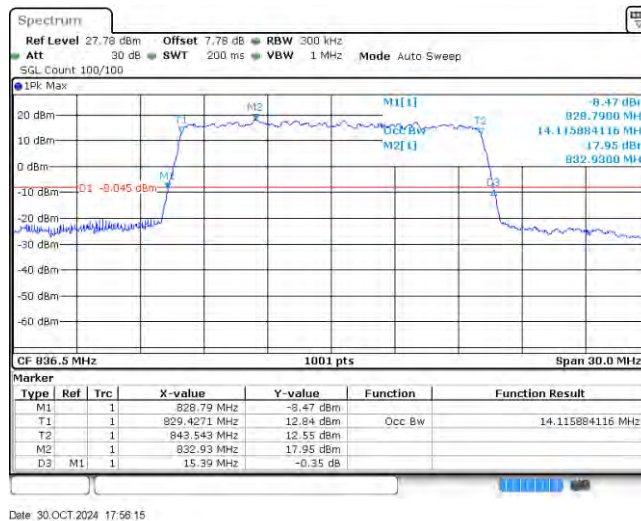
1-N5-PC3-15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.427-14.670≤15-PASS



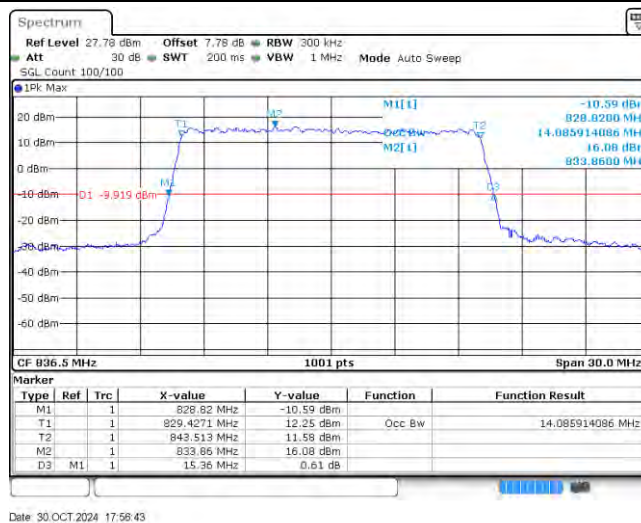
1-N5-PC3-15-15-M-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.427-14.640≤15-PASS



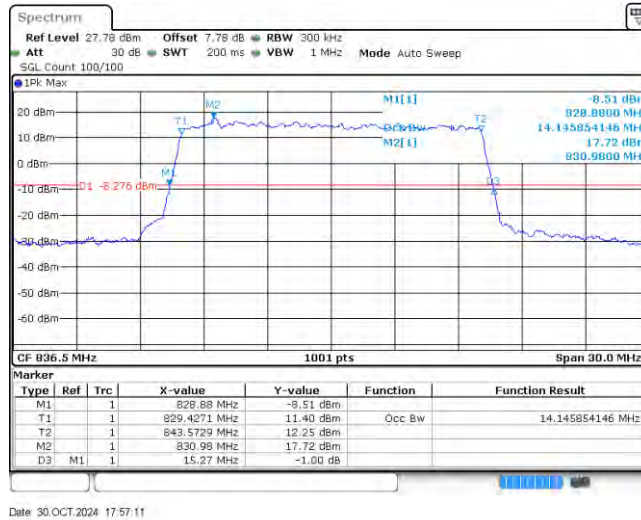
1-N5-PC3-15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant1-14.146-15.360-≤15-PASS



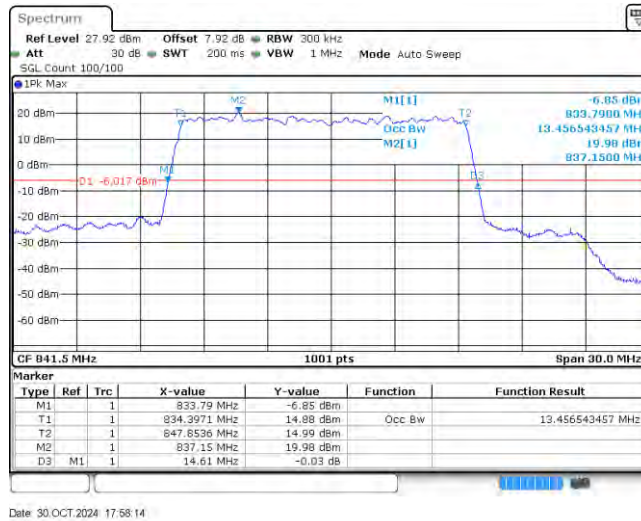
1-N5-PC3-15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant1-14.116-15.390-≤15-PASS



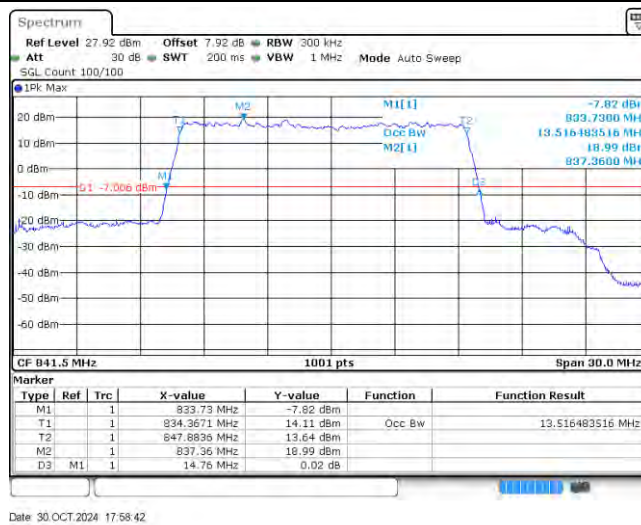
1-N5-PC3-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant1-14.086-15.360-≤15-PASS



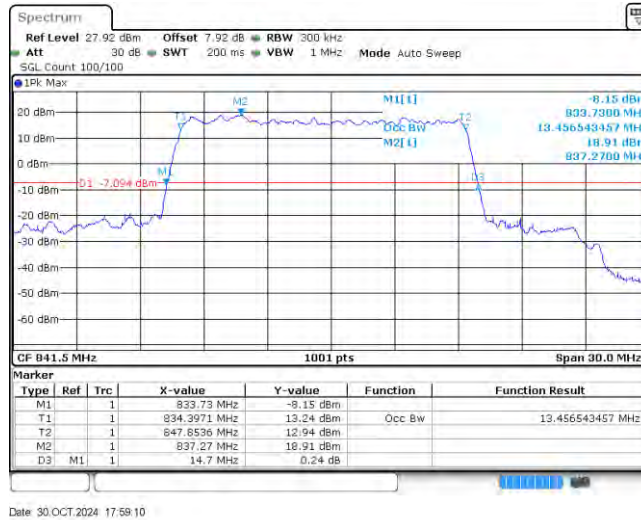
1-N5-PC3-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant1-14.146-15.270≤15-PASS



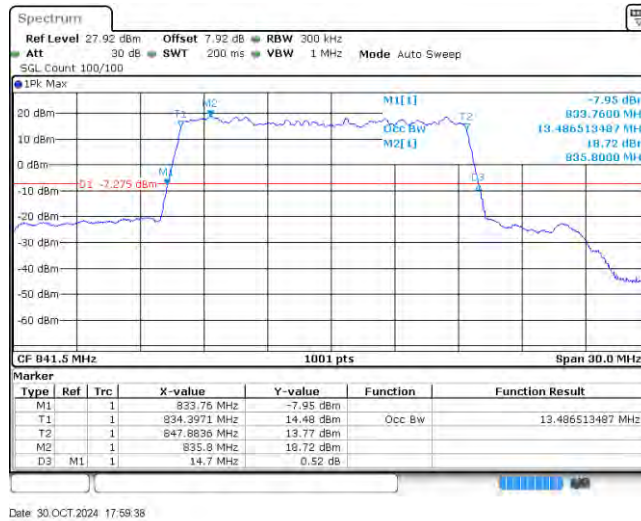
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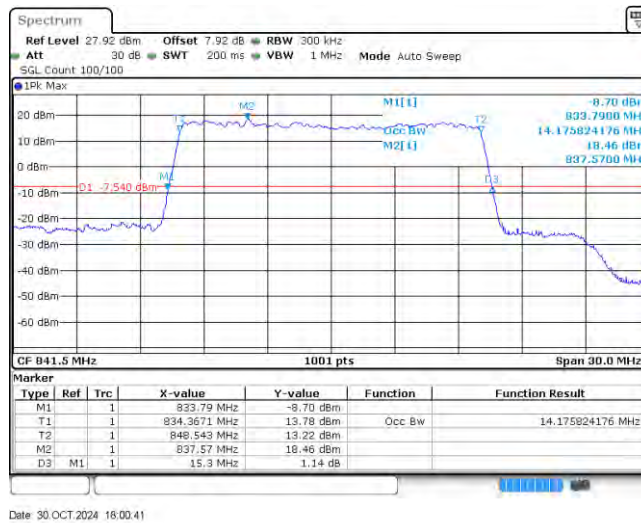
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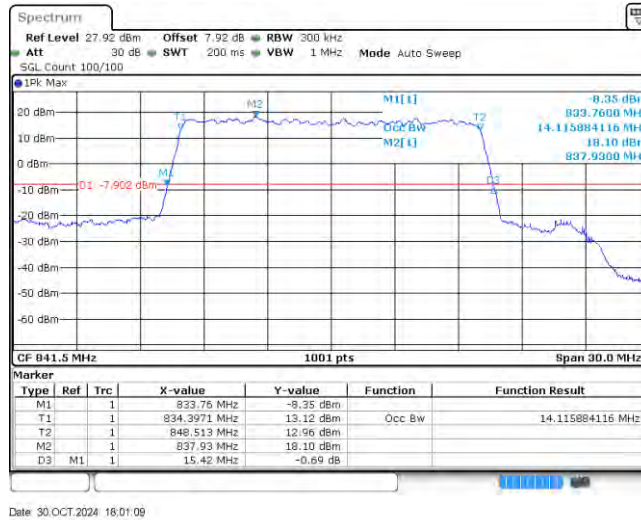
1-N5-PC3-15-15-H-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.457-14.700≤15-PASS



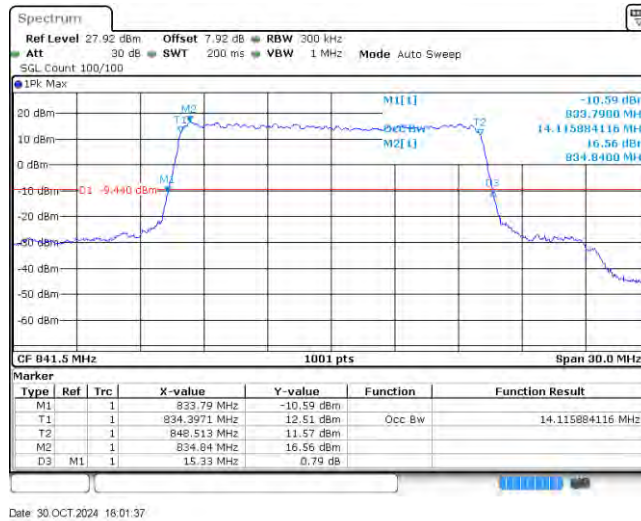
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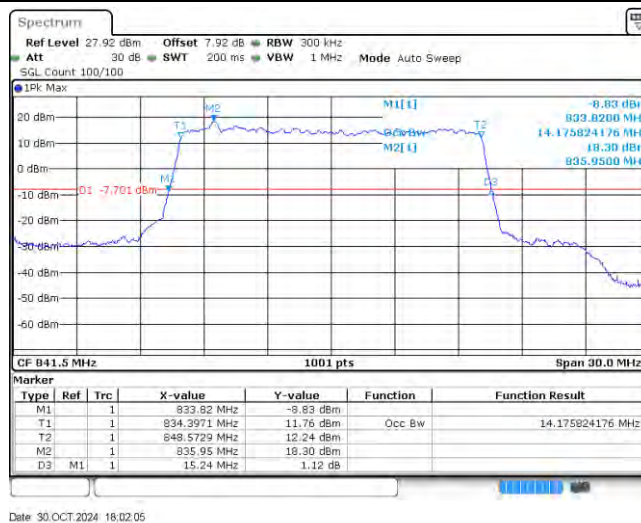
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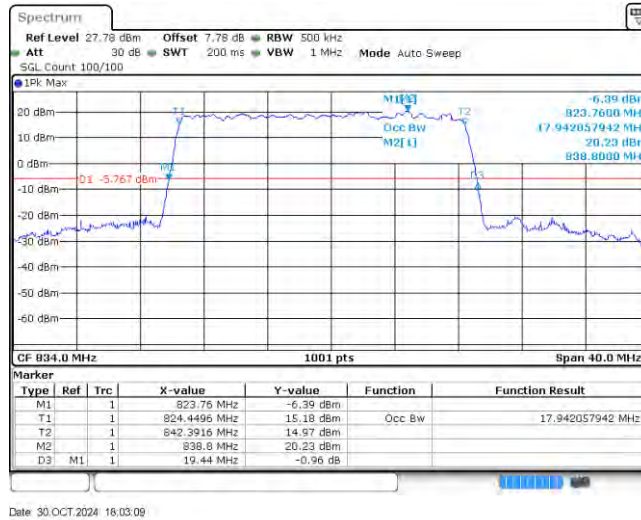
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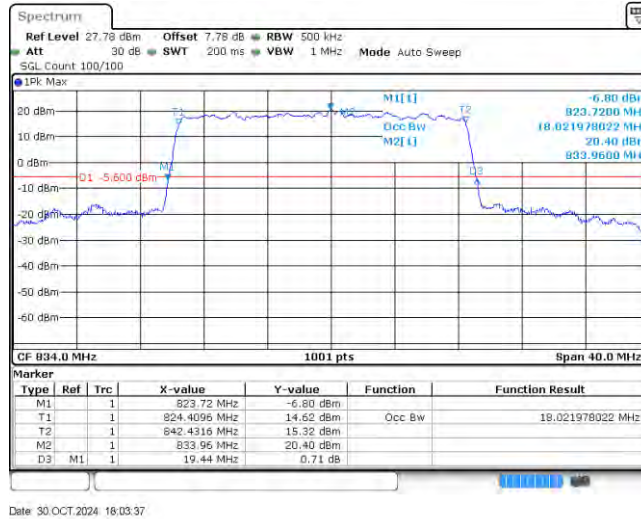
1-N5-PC3-15-15-H-8-CP-64QAM-Outer_Full-79@0-Ant1-14.116-15.330-≤15-PASS



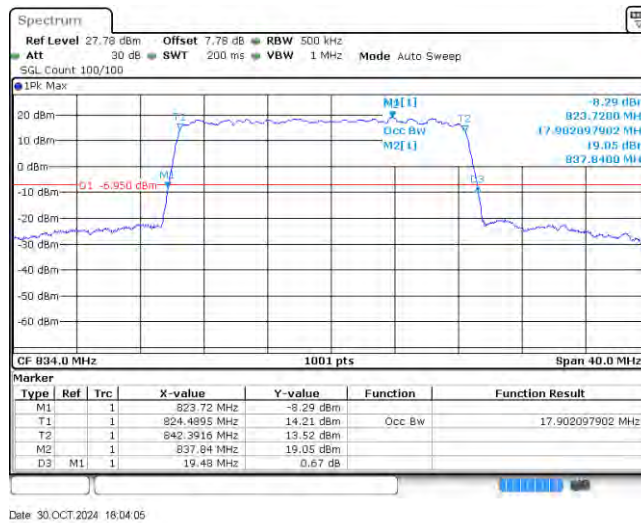
1-N5-PC3-15-15-H-9-CP-256QAM-Outer_Full-79@0-Ant1-14.176-15.240-≤15-PASS



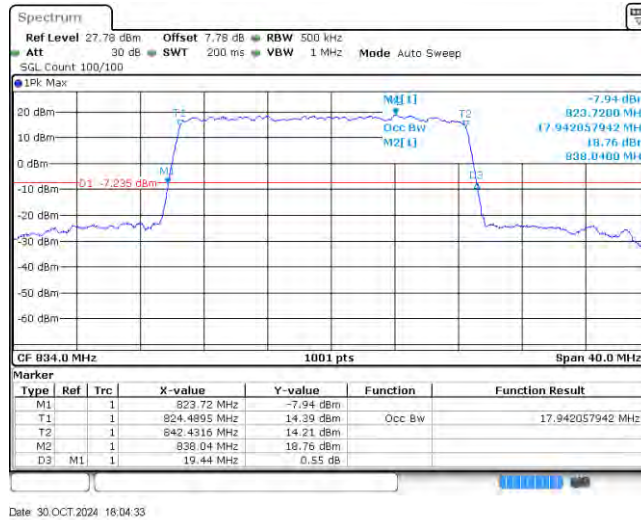
1-N5-PC3-15-20-L-1-DFT-QPSK-Outer_Full-100@0-Ant1-17.942-19.440-≤20-PASS



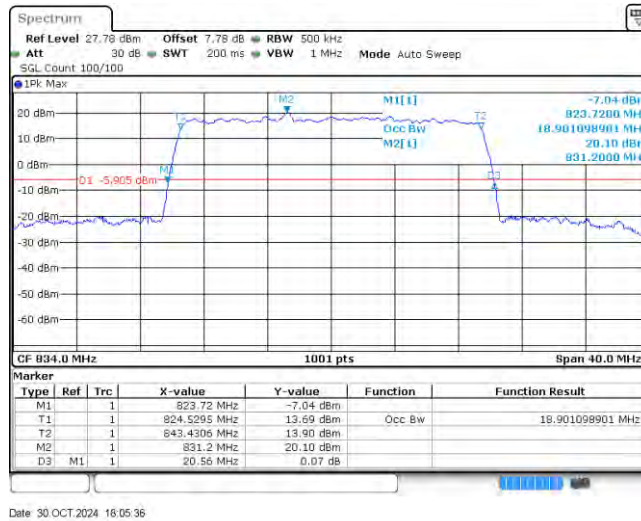
1-N5-PC3-15-20-L-3-DFT-16QAM-Outer_Full-100@0-Ant1-18.022-19.440-≤20-PASS



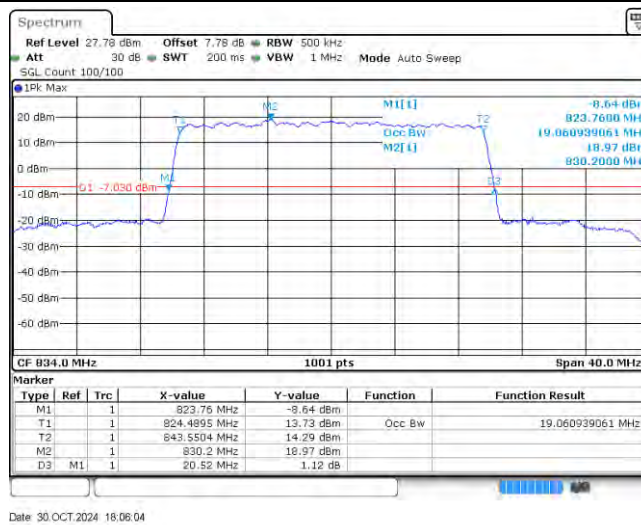
1-N5-PC3-15-20-L-4-DFT-64QAM-Outer_Full-100@0-Ant1-17.902-19.480-≤20-PASS



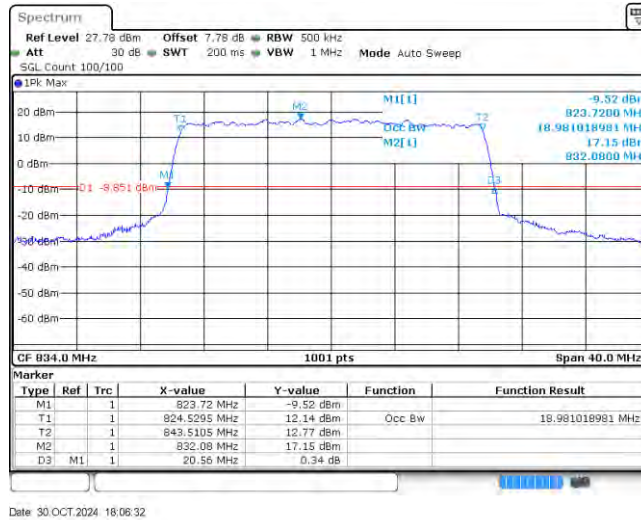
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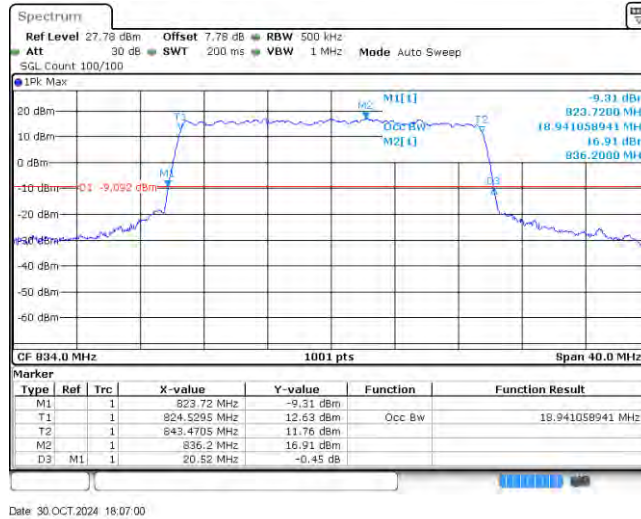
1-N5-PC3-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant1-18.901-20.560-≤20-PASS



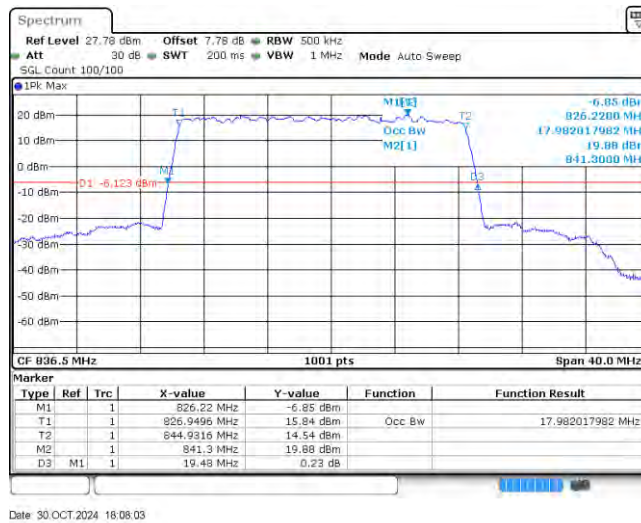
1-N5-PC3-15-20-L-7-CP-16QAM-Outer_Full-106@0-Ant1-19.061-20.520-≤20-PASS



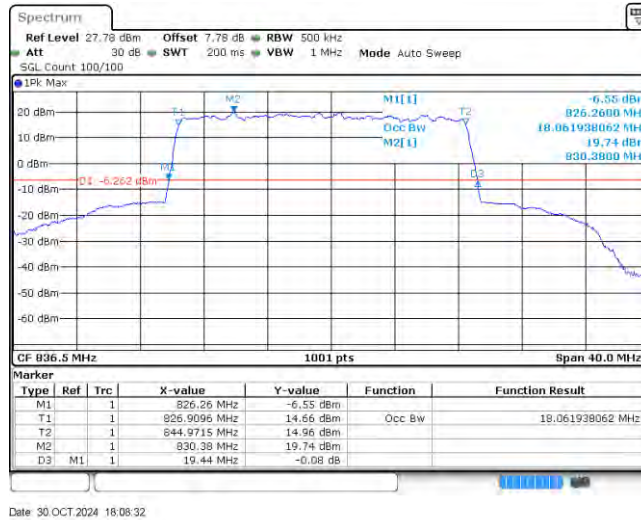
1-N5-PC3-15-20-L-8-CP-64QAM-Outer_Full-106@0-Ant1-18.981-20.560-≤20-PASS



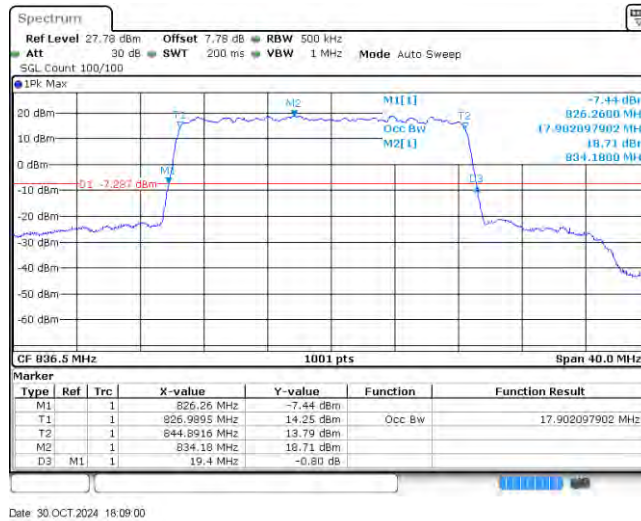
1-N5-PC3-15-20-L-9-CP-256QAM-Outer_Full-106@0-Ant1-18.941-20.520-≤20-PASS



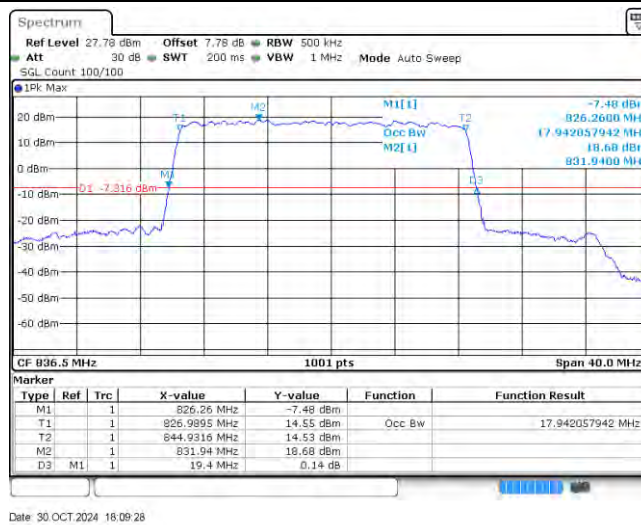
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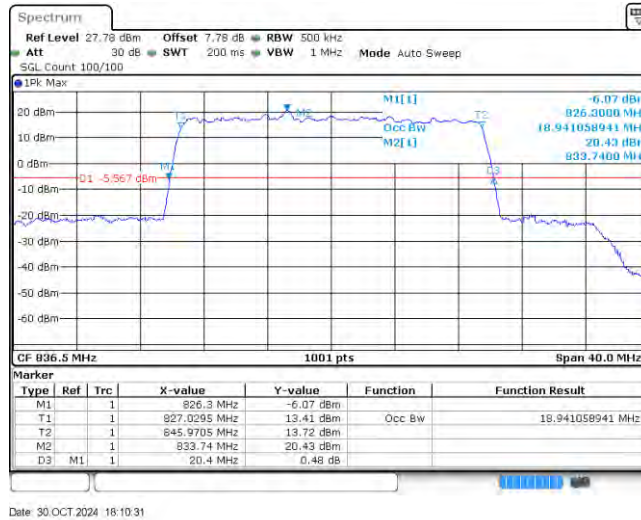
1-N5-PC3-15-20-M-3-DFT-16QAM-Outer_Full-100@0-Ant1-18.062-19.440-≤20-PASS



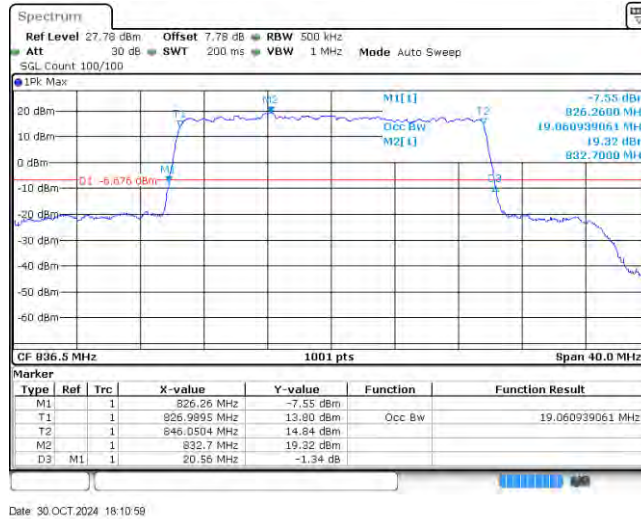
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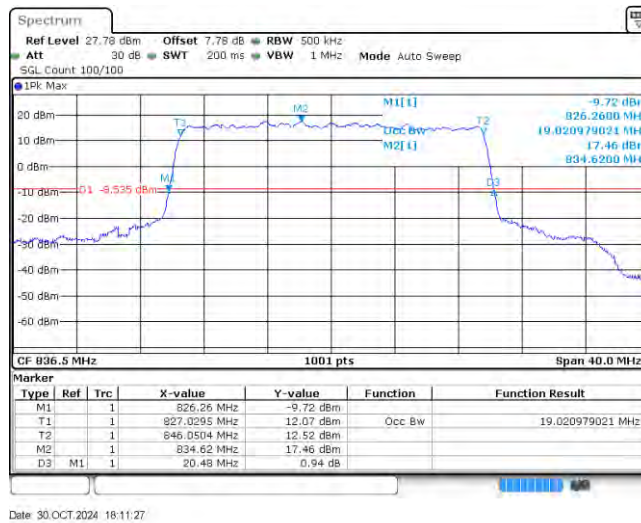
1-N5-PC3-15-20-M-5-DFT-256QAM-Outer_Full-100@0-Ant1-17.942-19.400-≤20-PASS



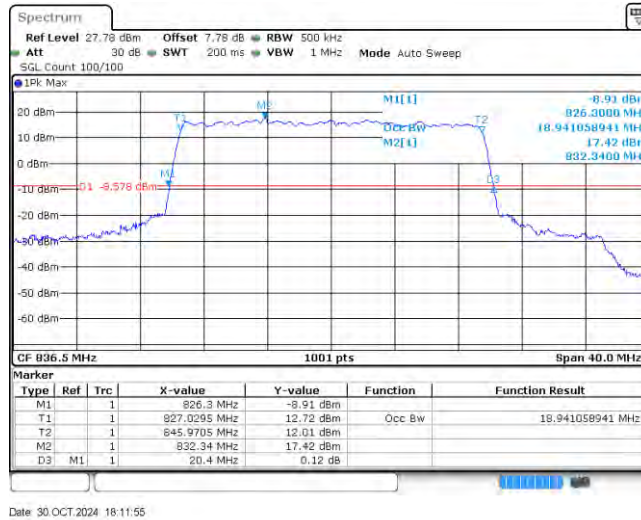
1-N5-PC3-15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant1-18.941-20.400-≤20-PASS



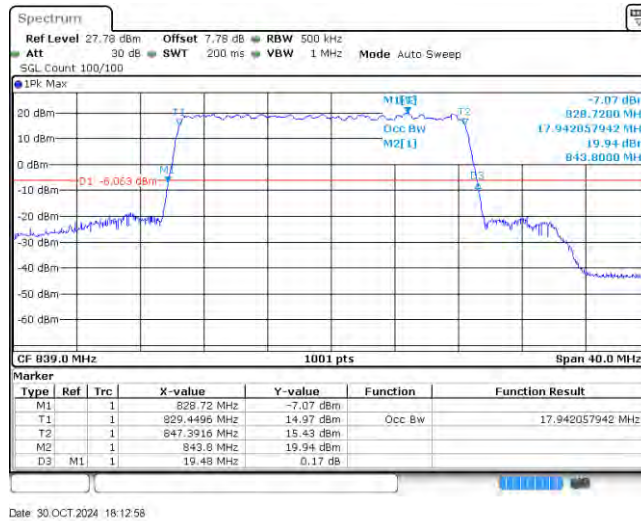
1-N5-PC3-15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant1-19.061-20.560-≤20-PASS



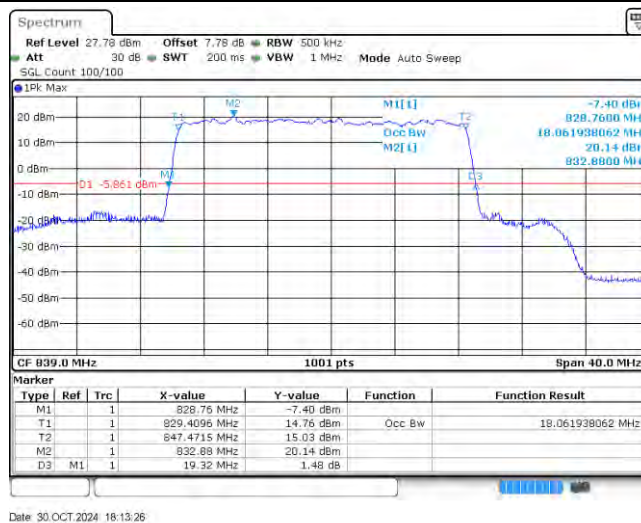
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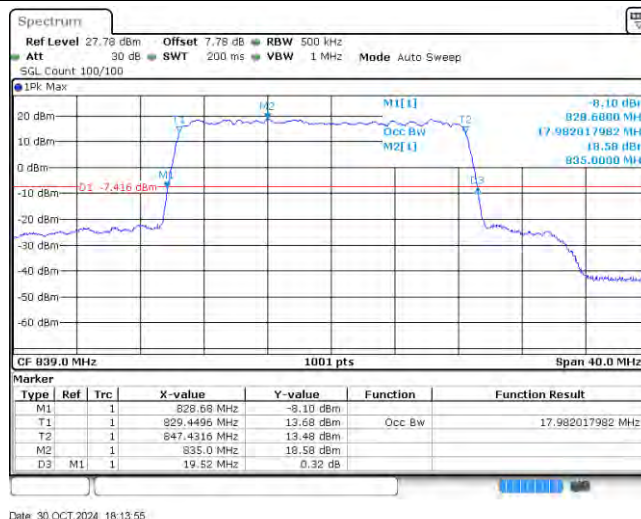
1-N5-PC3-15-20-M-9-CP-256QAM-Outer_Full-106@0-Ant1-18.941-20.400-≤20-PASS



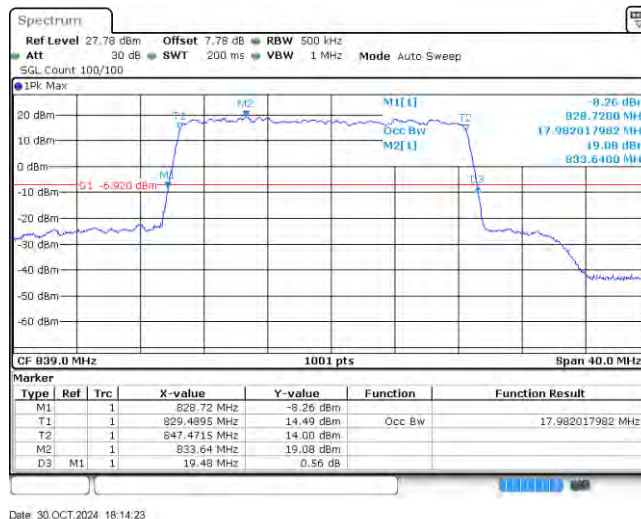
1-N5-PC3-15-20-H-1-DFT-QPSK-Outer_Full-100@0-Ant1-17.942-19.480-≤20-PASS



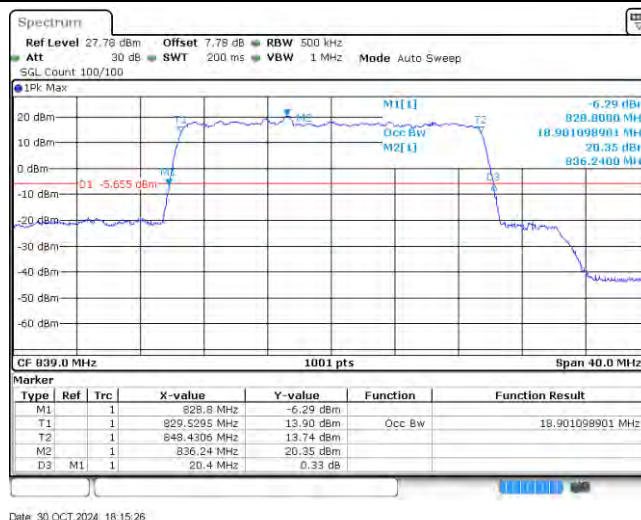
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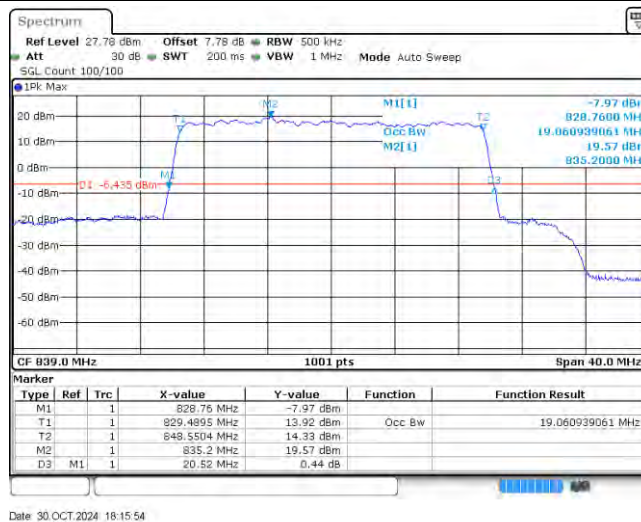
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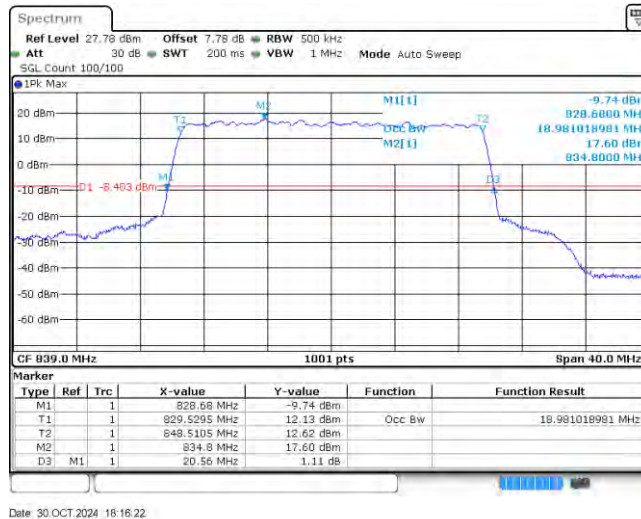
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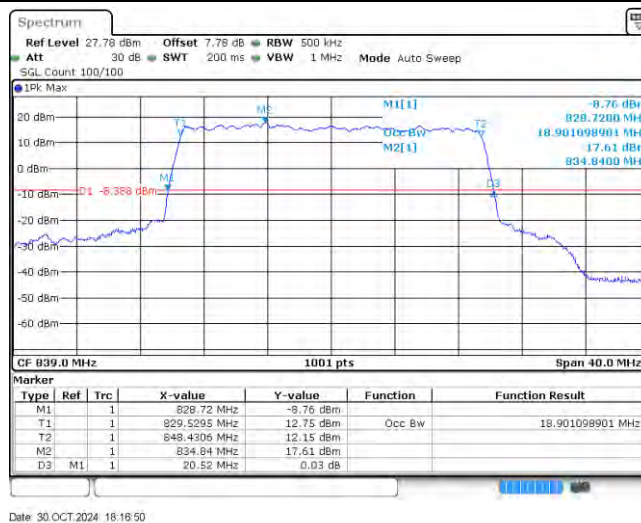
1-N5-PC3-15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant1-18.901-20.400-≤20-PASS



1-N5-PC3-15-20-H-7-CP-16QAM-Outer_Full-106@0-Ant1-19.061-20.520-≤20-PASS



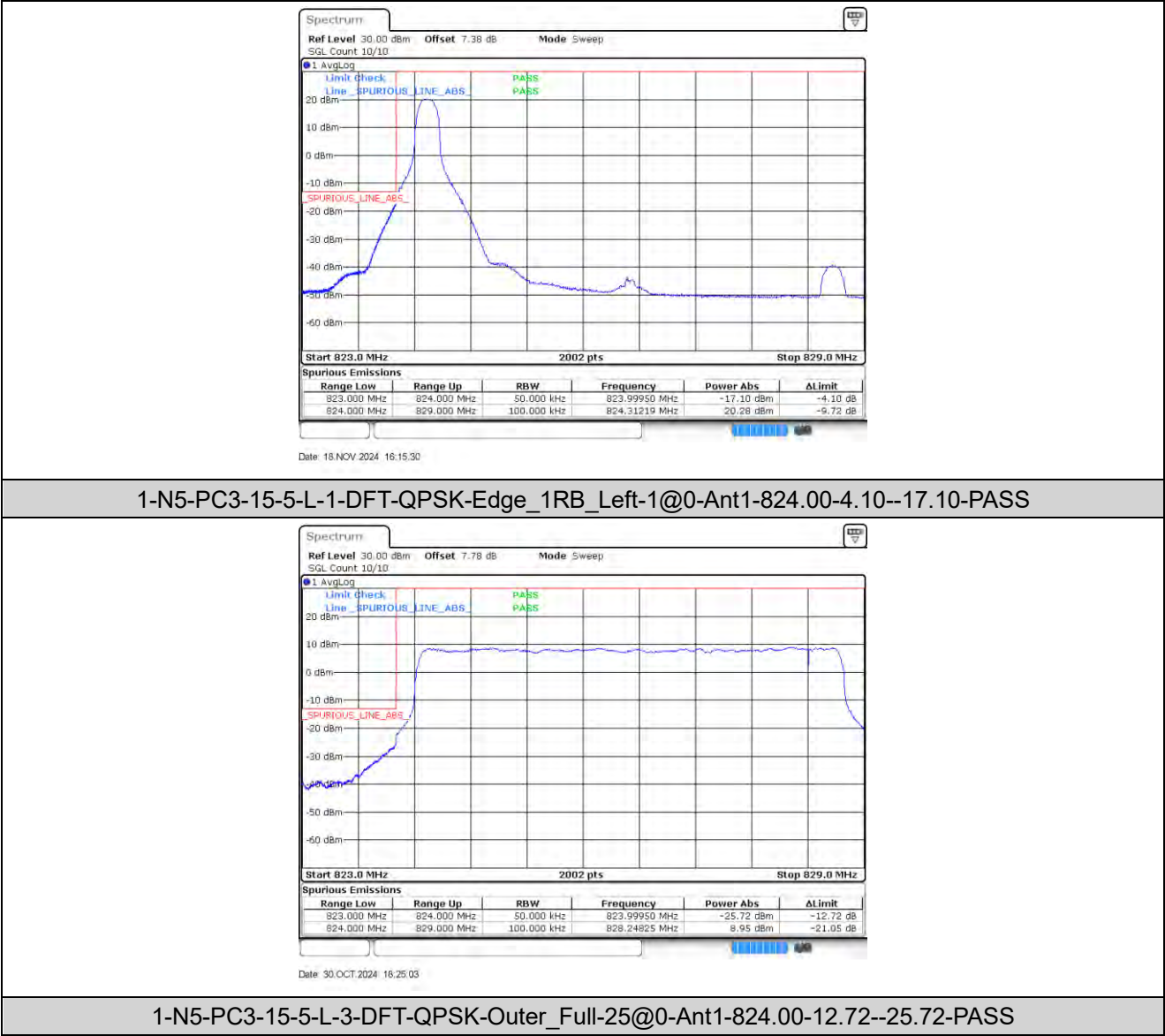
1-N5-PC3-15-20-H-8-CP-64QAM-Outer_Full-106@0-Ant1-18.981-20.560-≤20-PASS

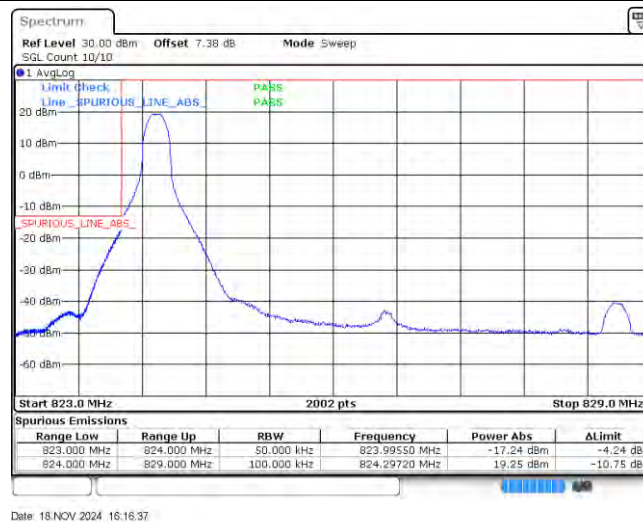


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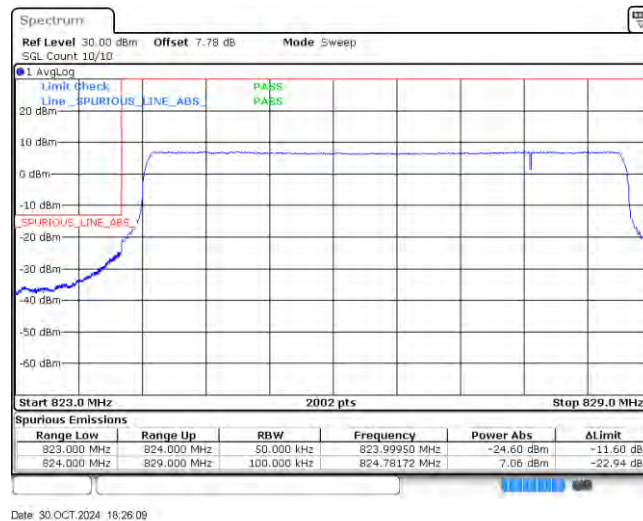
Band Edge for SA

Test Graphs

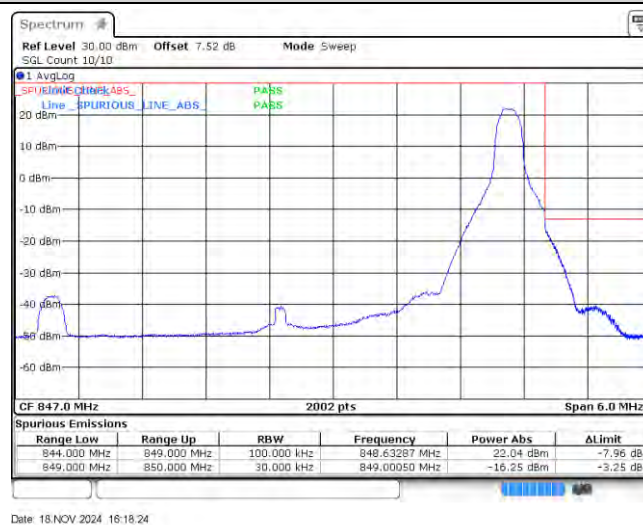




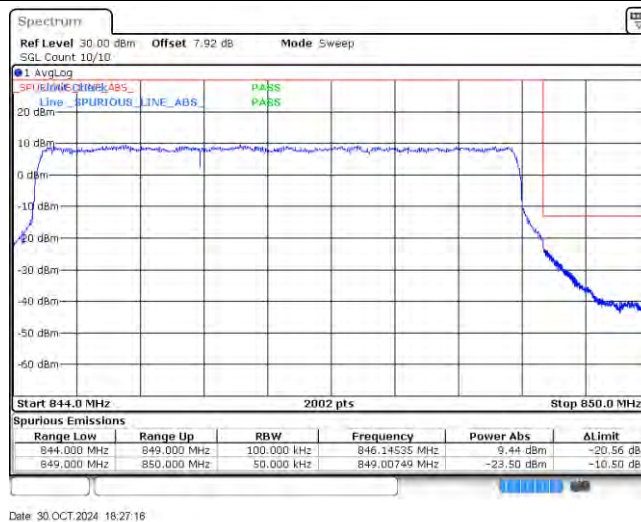
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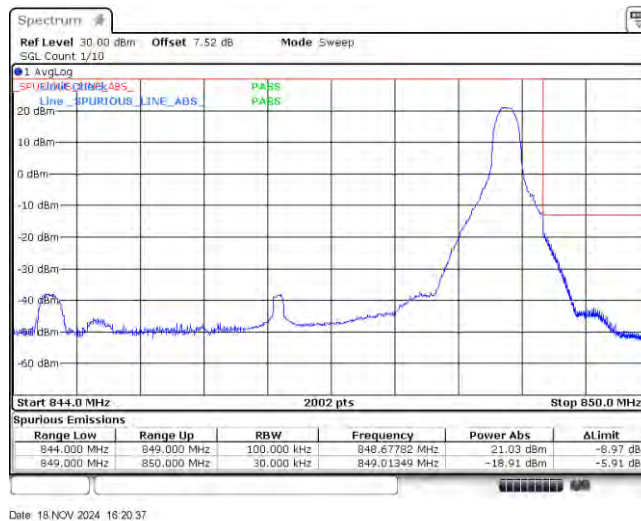
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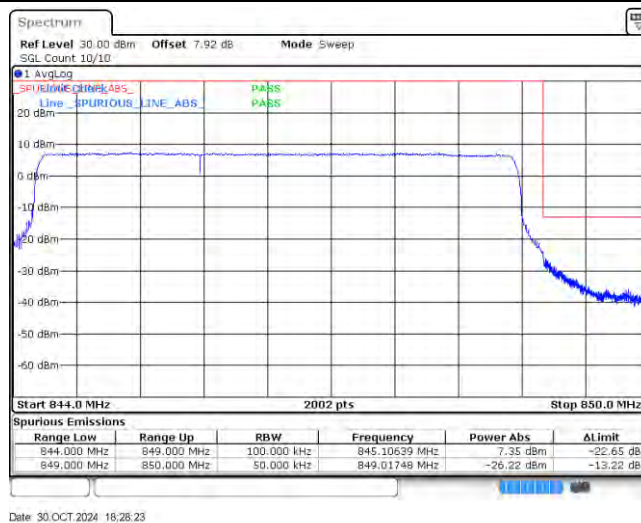
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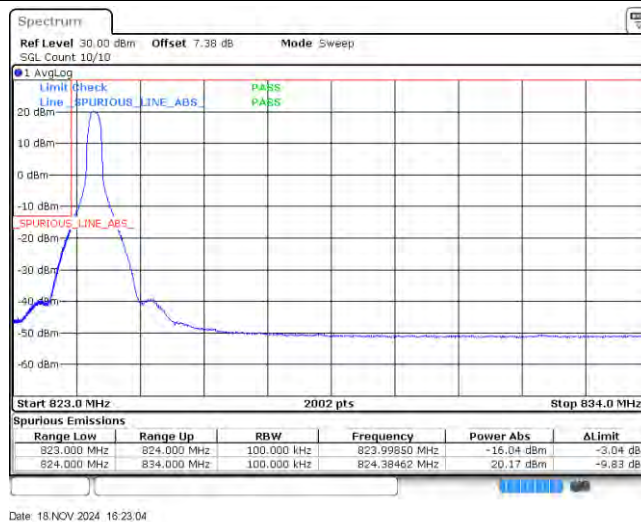
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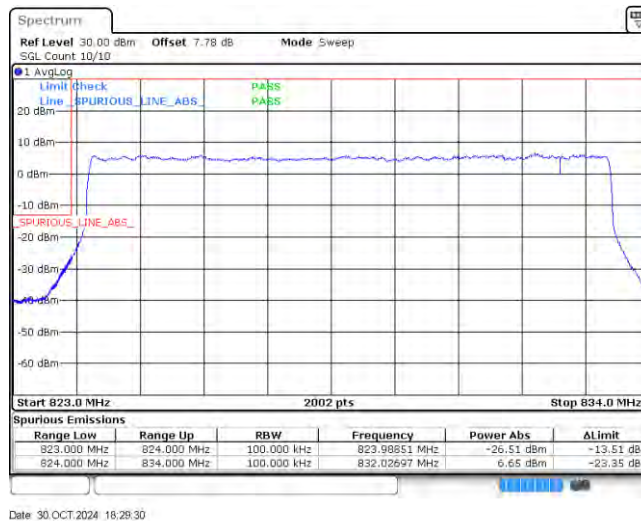
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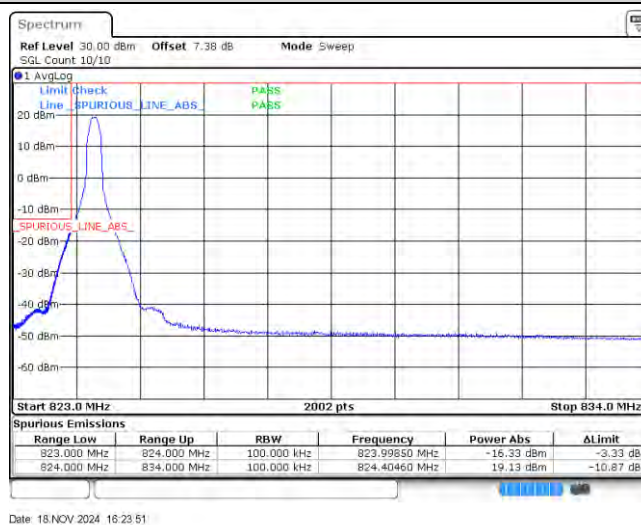
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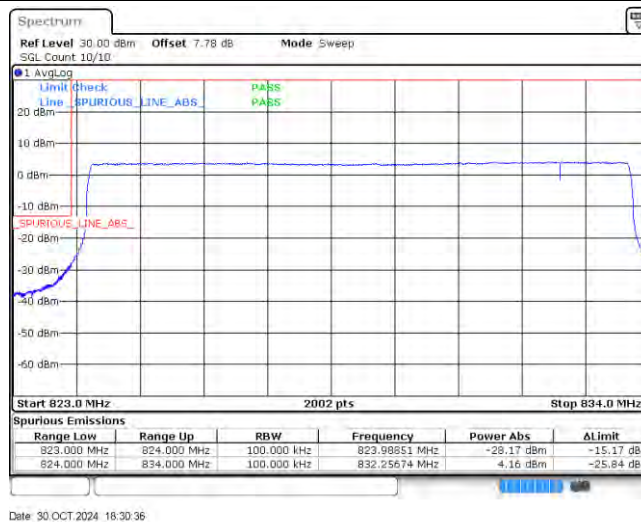
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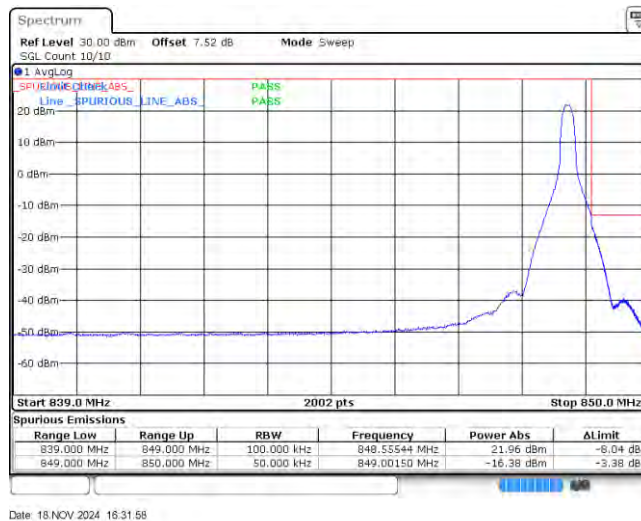
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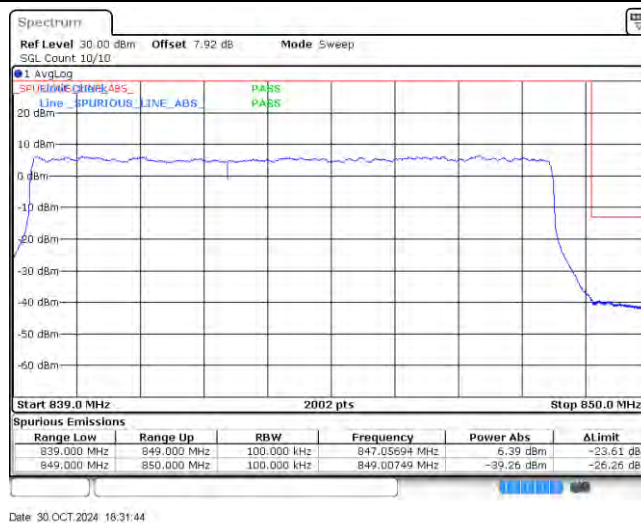
1-N5-PC3-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-824.00-3.33--16.33-PASS



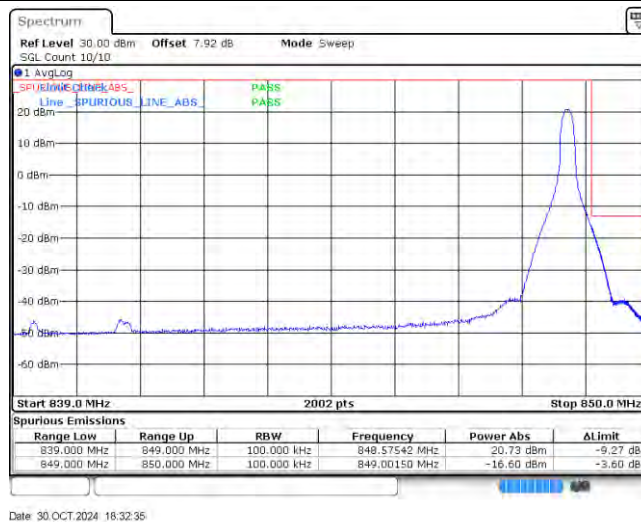
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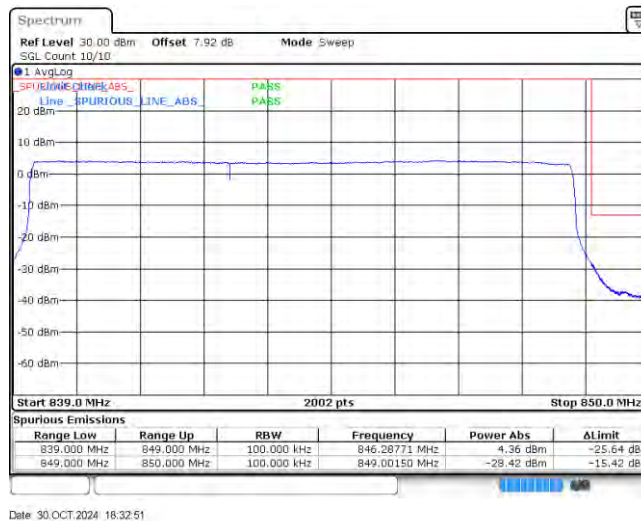
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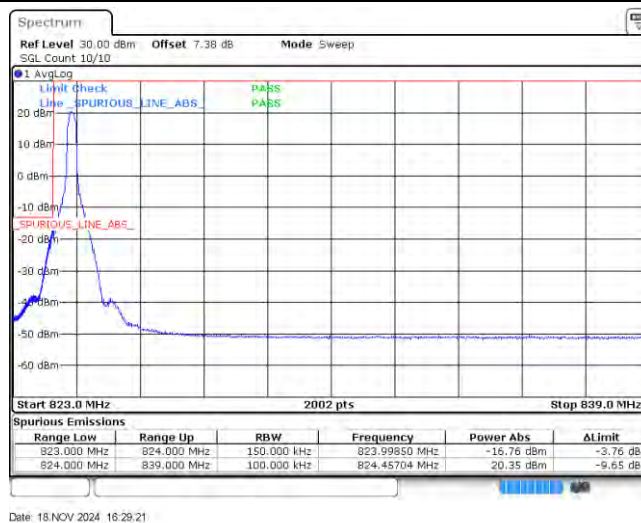
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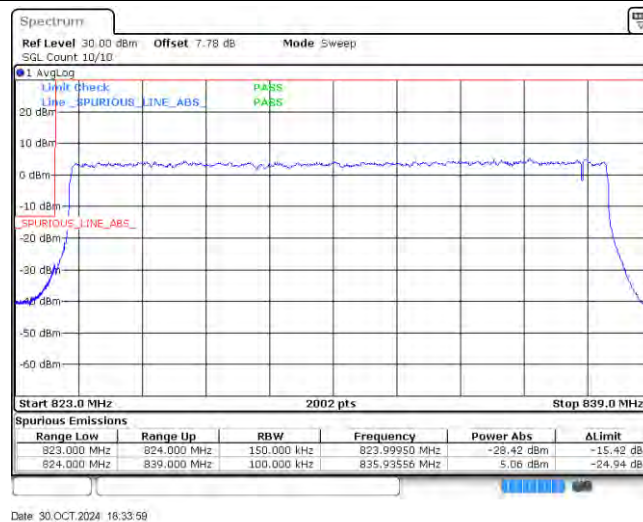
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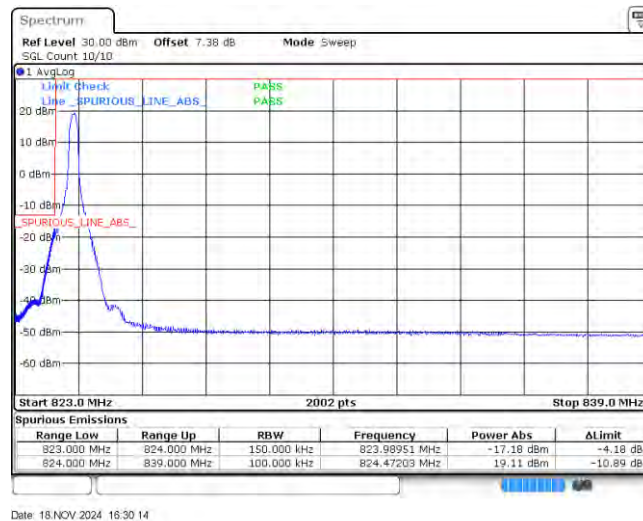
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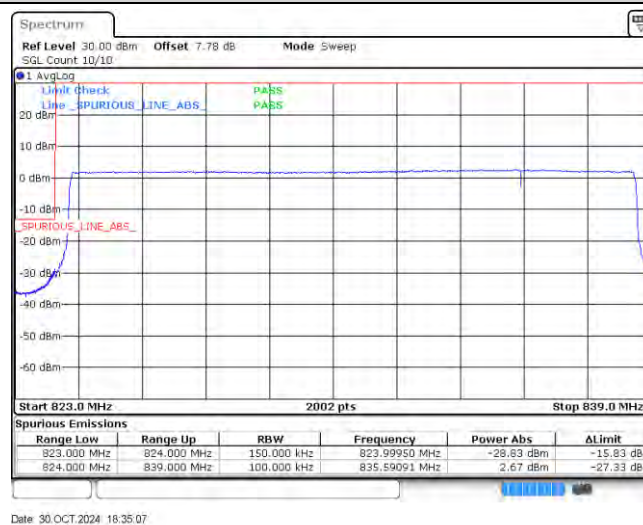
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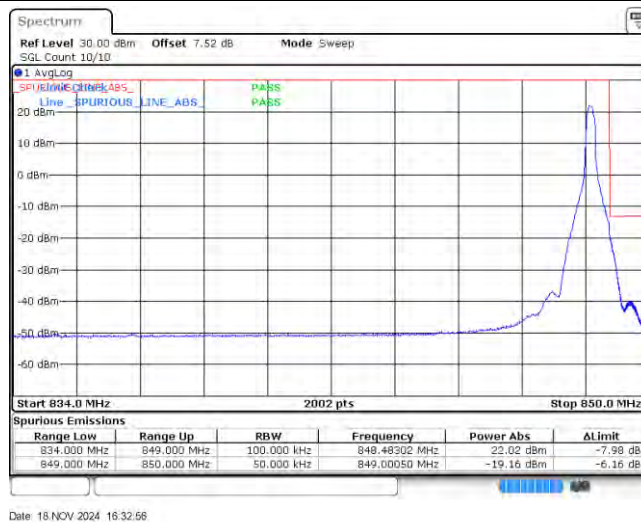
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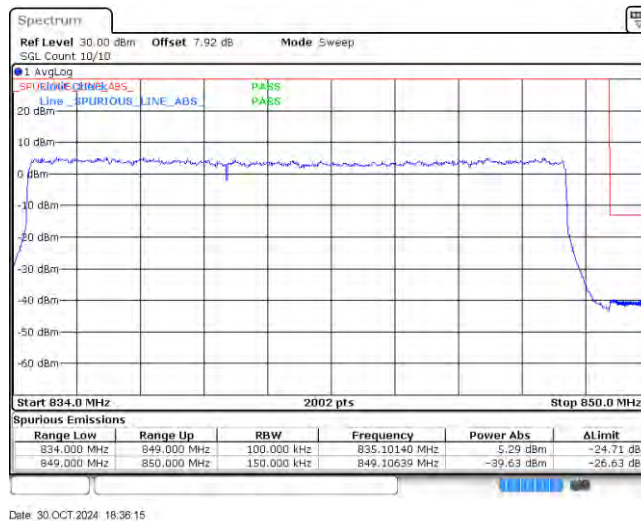
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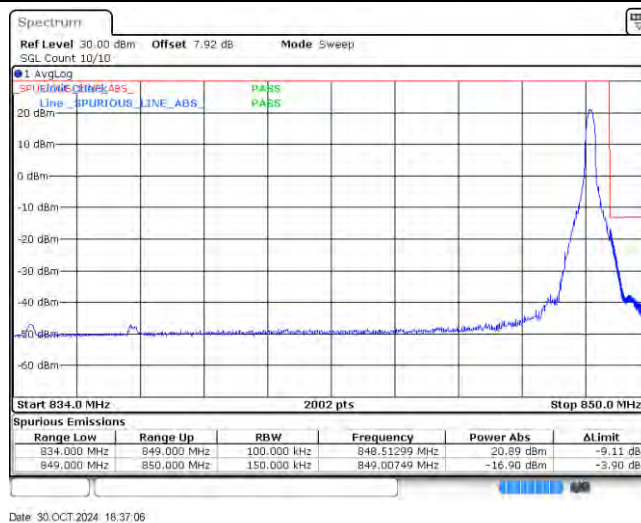
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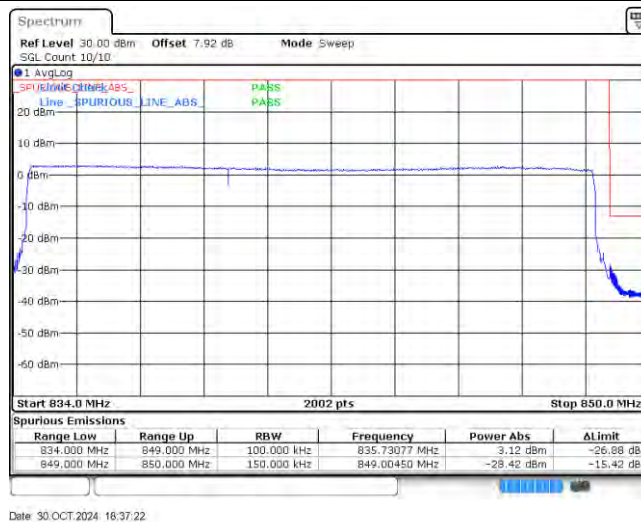
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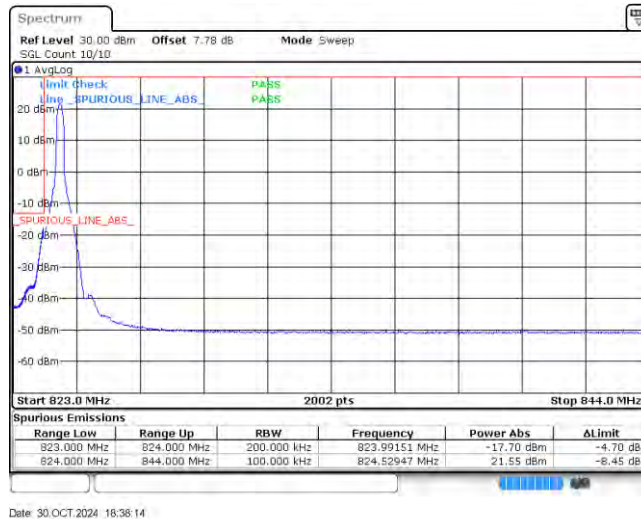
1-N5-PC3-15-15-H-3-DFT-QPSK-Outer_Full-75@0-Ant1-849.11-26.63--39.63-PASS



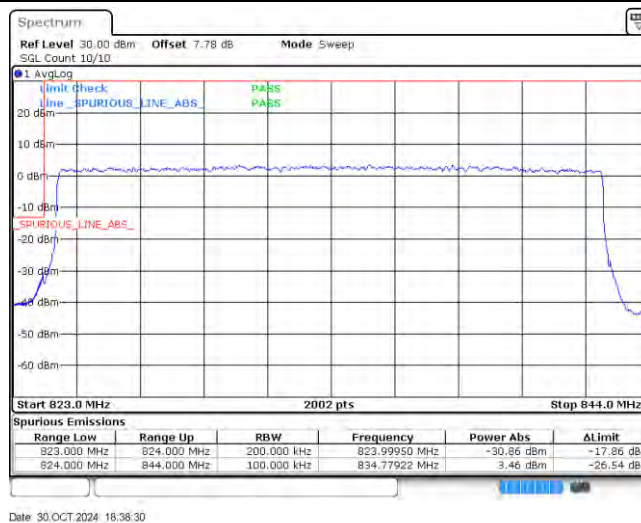
1-N5-PC3-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant1-849.01-3.90--16.90-PASS



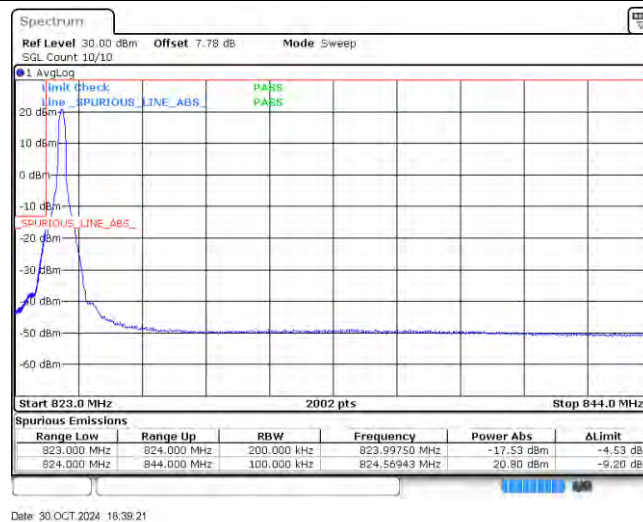
1-N5-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant1-849.00-15.42--28.42-PASS



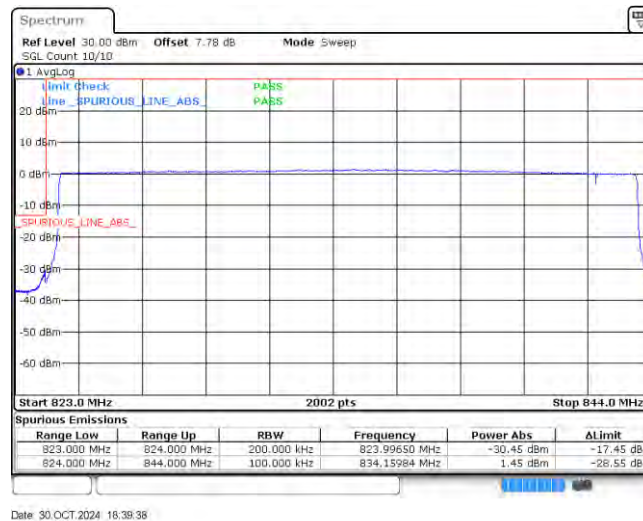
1-N5-PC3-15-20-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant1-823.99-4.70--17.70-PASS



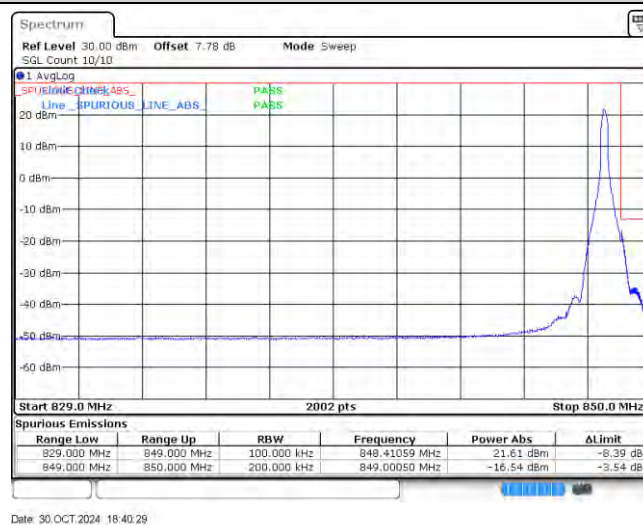
1-N5-PC3-15-20-L-3-DFT-QPSK-Outer_Full-100@0-Ant1-824.00-17.86--30.86-PASS



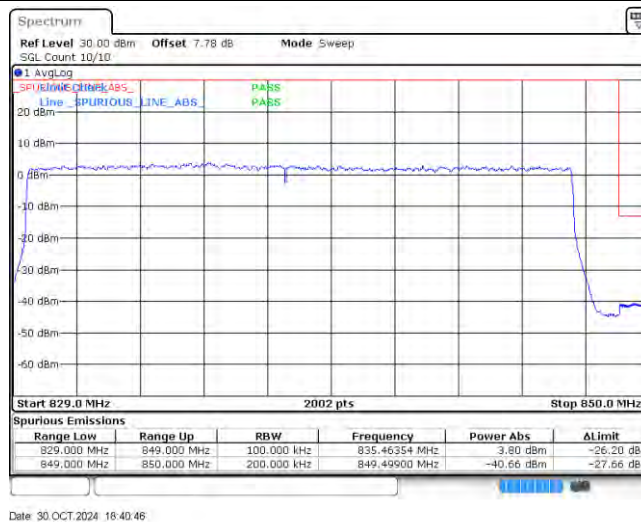
1-N5-PC3-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-824.00-4.53--17.53-PASS



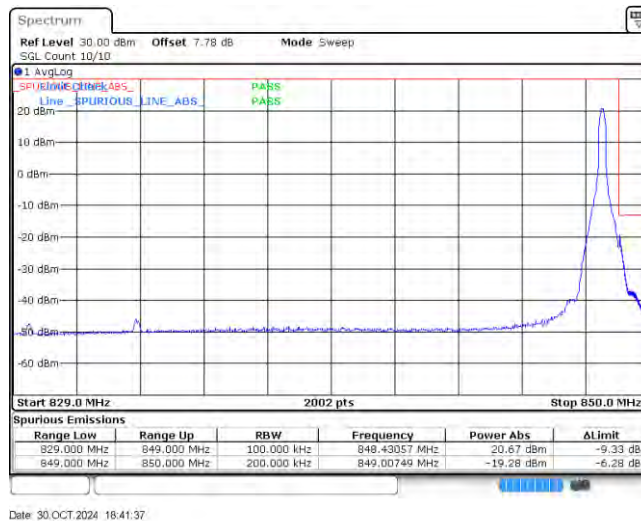
1-N5-PC3-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant1-824.00-17.45--30.45-PASS



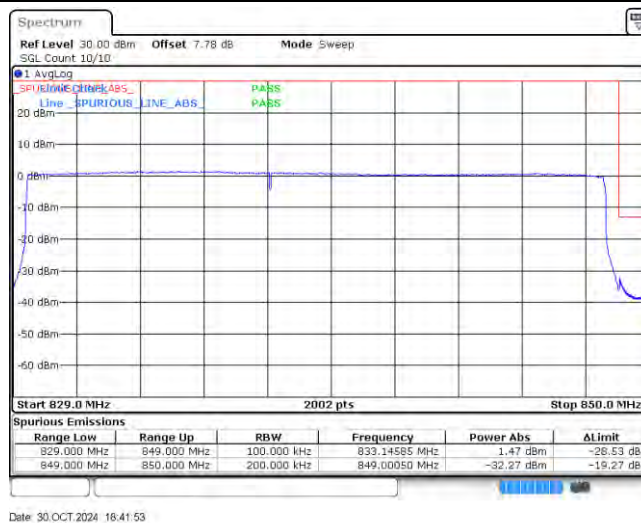
1-N5-PC3-15-20-H-2-DFT-QPSK-Edge_1RB_Right-1@105-Ant1-849.00-3.54--16.54-PASS



1-N5-PC3-15-20-H-3-DFT-QPSK-Outer_Full-100@0-Ant1-849.50-27.66--40.66-PASS



1-N5-PC3-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant1-849.01-6.28--19.28-PASS



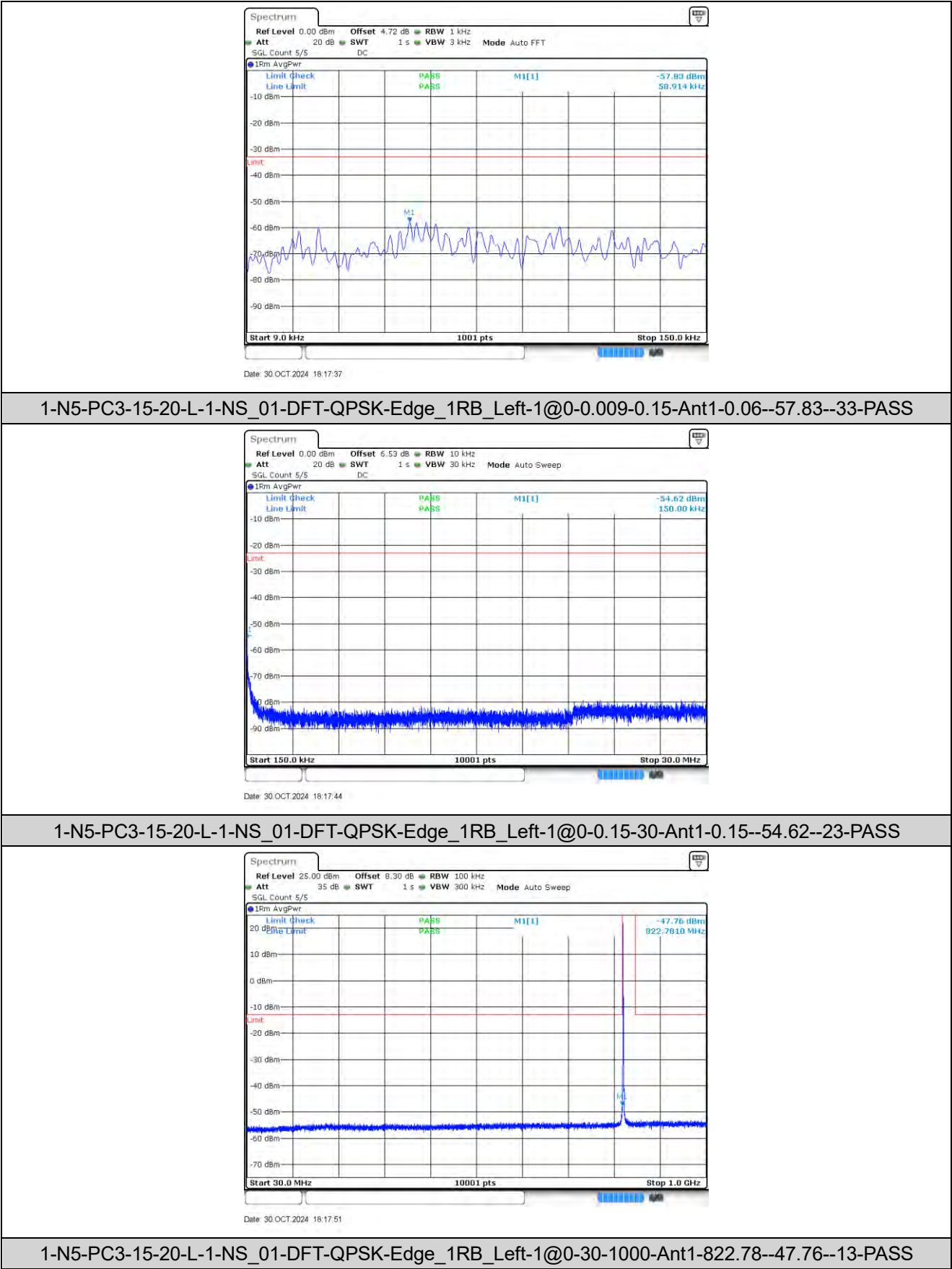
1-N5-PC3-15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant1-849.00-19.27--32.27-PASS

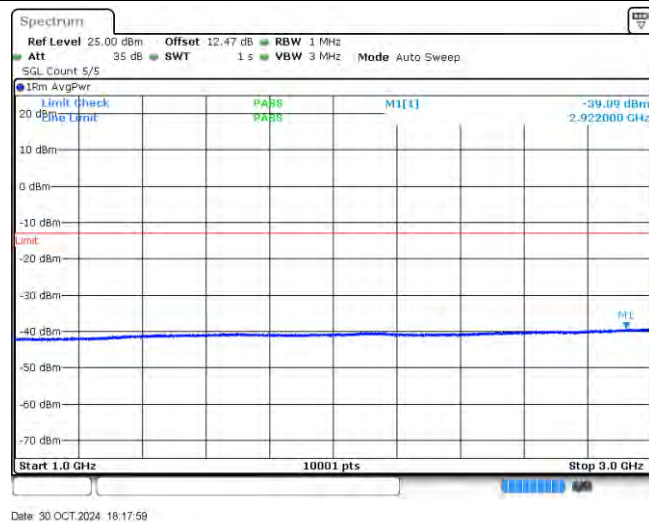
Conducted Spurious Emission for SA

Test Result

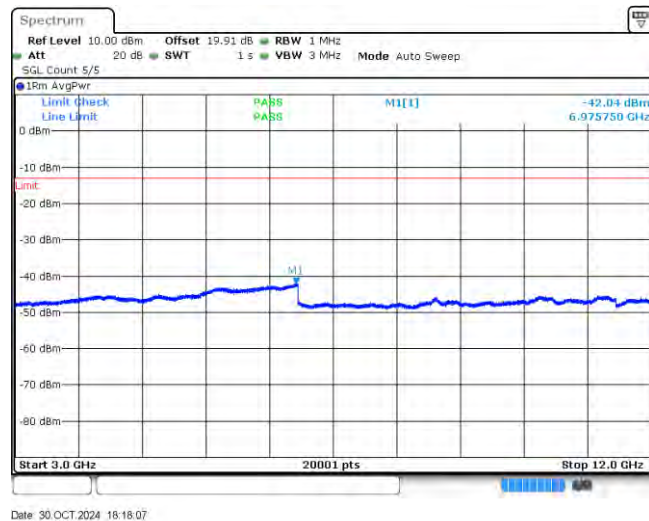
Band	SCS	Bandwidth	Modulation	Channel	StartFreq	StopFreq	RB Config	Result (dBm)	Limit (dBm)	Verdict
N5	15	20	DFT-QPSK	L	0.009	0.15	1@0	-57.83	-33	PASS
N5	15	20	DFT-QPSK	L	0.15	30	1@0	-54.62	-23	PASS
N5	15	20	DFT-QPSK	L	30	1000	1@0	-47.76	-13	PASS
N5	15	20	DFT-QPSK	L	1000	3000	1@0	-39.09	-13	PASS
N5	15	20	DFT-QPSK	L	3000	12000	1@0	-42.04	-13	PASS
N5	15	20	DFT-QPSK	L	12000	20000	1@0	-44.05	-13	PASS
N5	15	20	DFT-QPSK	M	0.009	0.15	1@0	-57.68	-33	PASS
N5	15	20	DFT-QPSK	M	0.15	30	1@0	-53.73	-23	PASS
N5	15	20	DFT-QPSK	M	30	1000	1@0	-52.67	-13	PASS
N5	15	20	DFT-QPSK	M	1000	3000	1@0	-39.15	-13	PASS
N5	15	20	DFT-QPSK	M	3000	12000	1@0	-42.01	-13	PASS
N5	15	20	DFT-QPSK	M	12000	20000	1@0	-43.93	-13	PASS
N5	15	20	DFT-QPSK	H	0.009	0.15	1@0	-57.42	-33	PASS
N5	15	20	DFT-QPSK	H	0.15	30	1@0	-55.85	-23	PASS
N5	15	20	DFT-QPSK	H	30	1000	1@0	-52.84	-13	PASS
N5	15	20	DFT-QPSK	H	1000	3000	1@0	-39.06	-13	PASS
N5	15	20	DFT-QPSK	H	3000	12000	1@0	-41.92	-13	PASS
N5	15	20	DFT-QPSK	H	12000	20000	1@0	-43.89	-13	PASS

Test Graphs

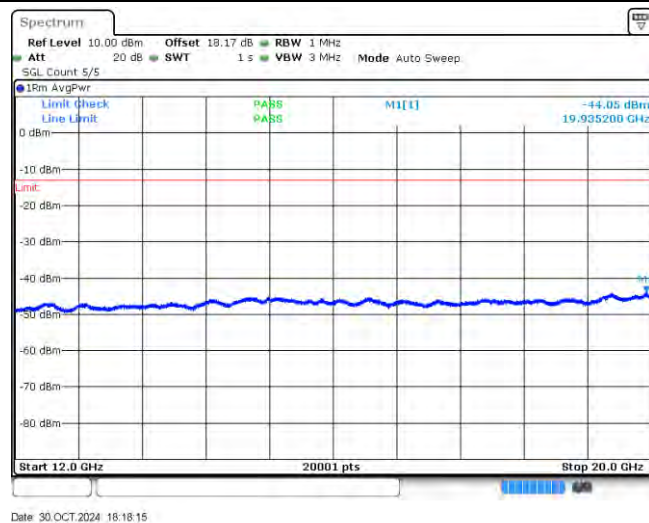




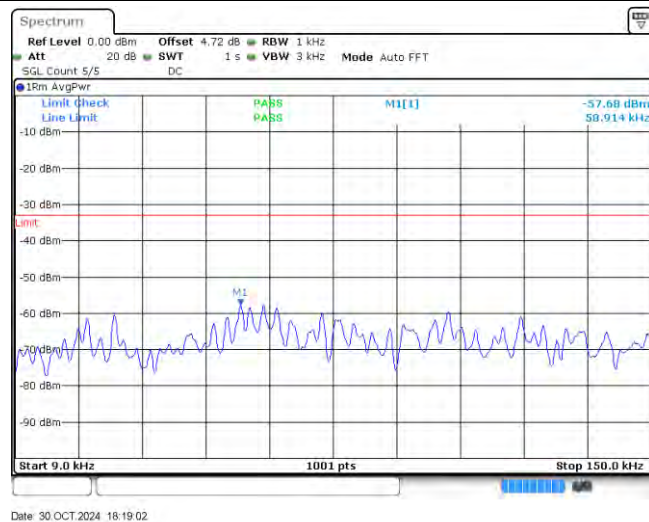
1-N5-PC3-15-20-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant1-2922.00--39.09--13-PASS



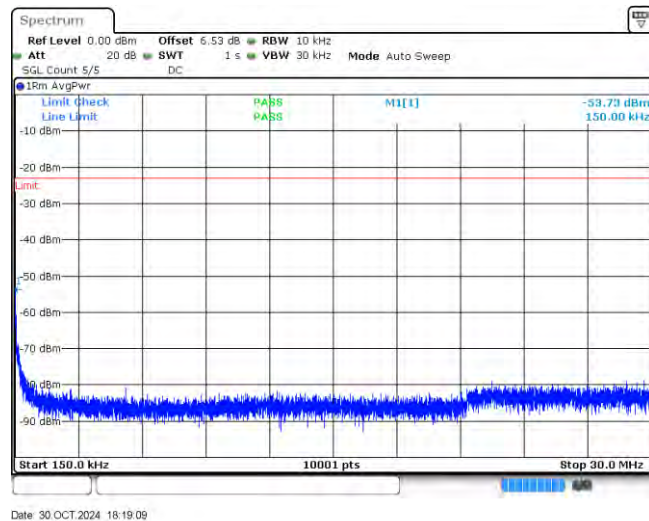
1-N5-PC3-15-20-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant1-6975.75--42.04--13-PASS



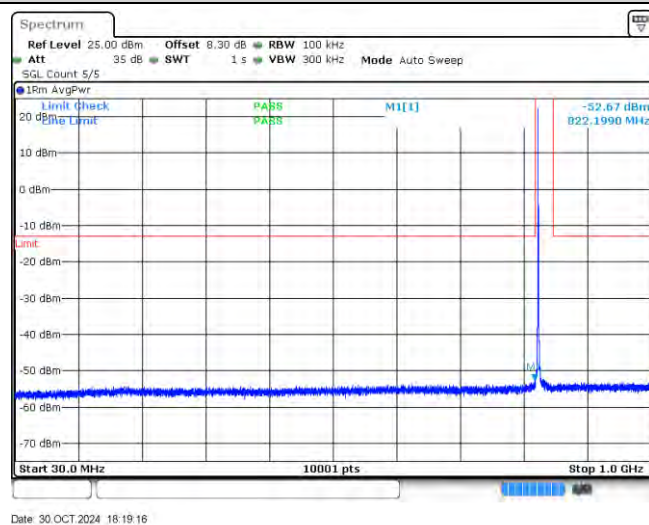
1-N5-PC3-15-20-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-12000-20000-Ant1-19935.20--44.05--13-PAS



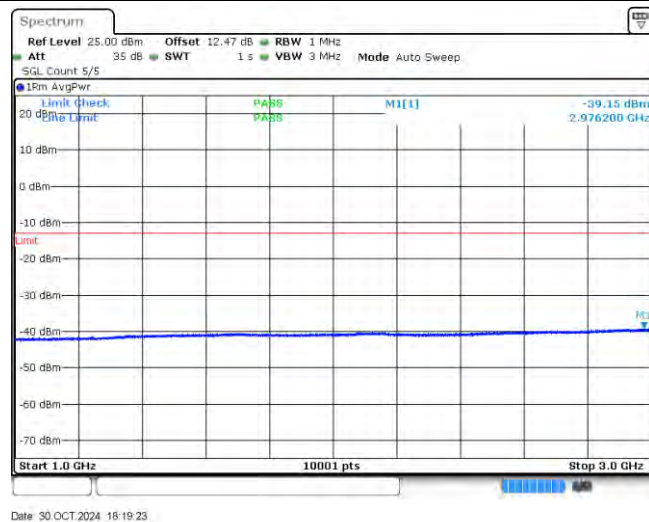
1-N5-PC3-15-20-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant1-0.06--57.68--33-PASS



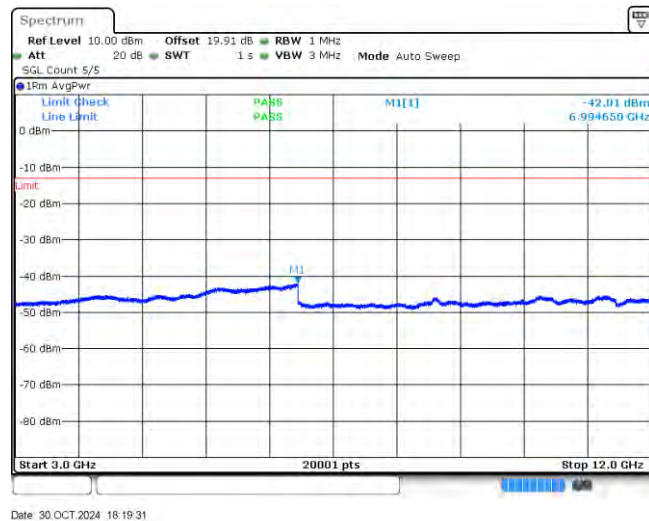
1-N5-PC3-15-20-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.15-30-Ant1-0.15--53.73--23-PASS



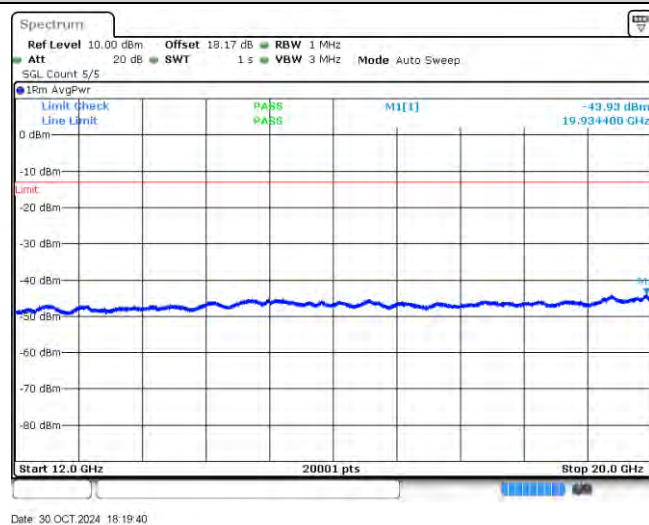
1-N5-PC3-15-20-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant1-822.20--52.67--13-PASS



1-N5-PC3-15-20-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant1-2976.20--39.15--13-PASS

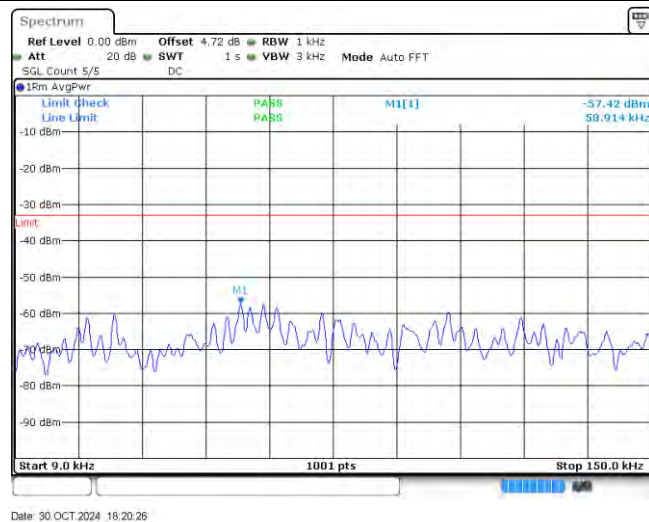


1-N5-PC3-15-20-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant1-6994.65--42.01--13-PASS

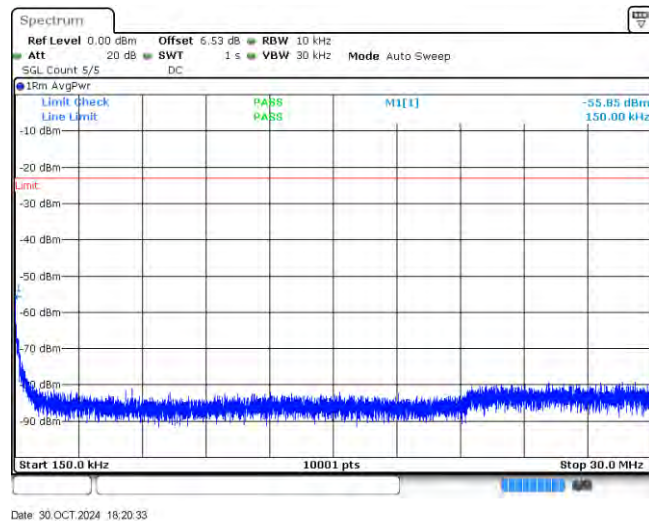


1-N5-PC3-15-20-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-12000-20000-Ant1-19934.40--43.93--13-PA

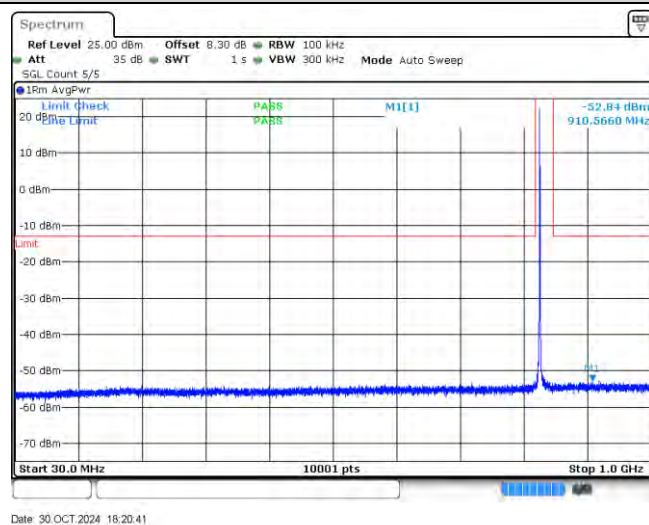
SS



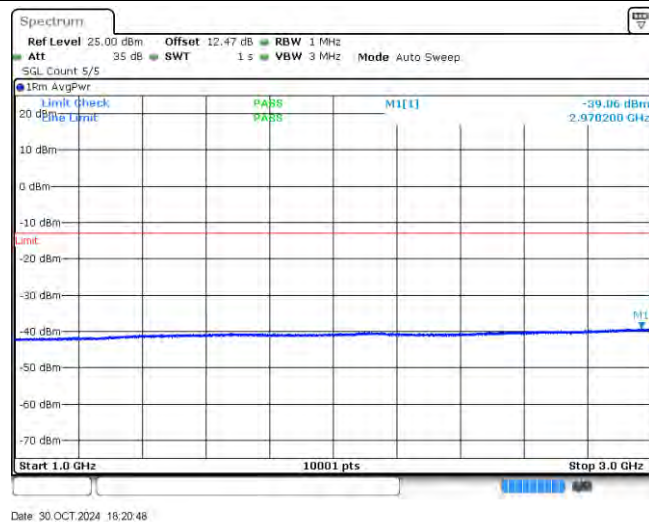
1-N5-PC3-15-20-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant1-0.06--57.42--33-PASS



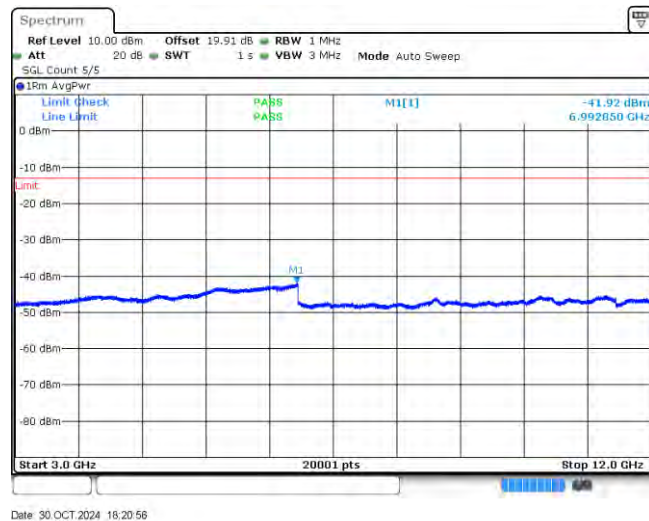
1-N5-PC3-15-20-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.15-30-Ant1-0.15--55.85--23-PASS



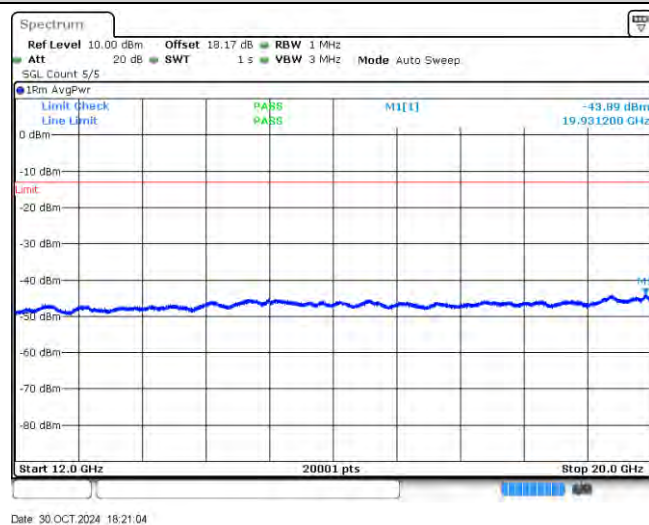
1-N5-PC3-15-20-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant1-910.57--52.84--13-PASS



1-N5-PC3-15-20-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant1-2970.20--39.06--13-PASS



1-N5-PC3-15-20-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant1-6992.85--41.92--13-PASS



1-N5-PC3-15-20-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-12000-20000-Ant1-19931.20--43.89--13-PAS

Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(°C)	Deviation(Hz)	Deviation (ppm)	Verdict
N5	15	20	DFT-QPSK	M	100@0	HV	NT	-6.55	-0.00783	PASS
N5	15	20	DFT-QPSK	M	100@0	NV	NT	-5.98	-0.00715	PASS
N5	15	20	DFT-QPSK	M	100@0	LV	NT	-5.02	-0.00600	PASS
N5	15	20	CP-QPSK	M	106@0	HV	NT	0.19	0.00023	PASS
N5	15	20	CP-QPSK	M	106@0	NV	NT	0.66	0.00079	PASS
N5	15	20	CP-QPSK	M	106@0	LV	NT	0.06	0.00007	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(°C)	Deviation(Hz)	Deviation (ppm)	Verdict
N5	15	20	DFT-QPSK	M	100@0	NV	50	-6.925000	-0.008279	PASS
N5	15	20	DFT-QPSK	M	100@0	NV	-20	-5.662000	-0.006769	PASS
N5	15	20	DFT-QPSK	M	100@0	NV	-10	-4.160000	-0.004973	PASS
N5	15	20	DFT-QPSK	M	100@0	NV	0	-5.769000	-0.006897	PASS
N5	15	20	DFT-QPSK	M	100@0	NV	10	-5.517000	-0.006595	PASS
N5	15	20	DFT-QPSK	M	100@0	NV	20	-4.281000	-0.005118	PASS
N5	15	20	DFT-QPSK	M	100@0	NV	30	-3.874000	-0.004631	PASS
N5	15	20	DFT-QPSK	M	100@0	NV	-30	-5.448000	-0.006513	PASS
N5	15	20	DFT-QPSK	M	100@0	NV	40	-5.763000	-0.006889	PASS
N5	15	20	CP-QPSK	M	106@0	NV	50	0.712000	0.000851	PASS
N5	15	20	CP-QPSK	M	106@0	NV	-20	0.055000	0.000066	PASS
N5	15	20	CP-QPSK	M	106@0	NV	-10	-0.512000	-0.000612	PASS
N5	15	20	CP-QPSK	M	106@0	NV	0	2.002000	0.002393	PASS
N5	15	20	CP-QPSK	M	106@0	NV	10	-0.292000	-0.000349	PASS
N5	15	20	CP-QPSK	M	106@0	NV	20	0.432000	0.000516	PASS
N5	15	20	CP-QPSK	M	106@0	NV	30	0.021000	0.000025	PASS
N5	15	20	CP-QPSK	M	106@0	NV	40	0.893000	0.001068	PASS
N5	15	20	CP-QPSK	M	106@0	NV	-30	0.940000	0.001124	PASS

Field Strength of Spurious Radiation

NR N5 ANT0-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1650.0	-71.37	-13	-58.37	-74.25	2.62	5.5	Horizontal	Pass
2475.0	-68.94	-13	-55.94	-71.64	3.06	5.76	Horizontal	Pass
3300.0	-67.29	-13	-54.29	-71.66	3.3	7.67	Horizontal	Pass
1650.0	-71.38	-13	-58.38	-74.26	2.62	5.5	Vertical	Pass
2475.0	-65.51	-13	-52.51	-68.21	3.06	5.76	Vertical	Pass
3300.0	-67.48	-13	-54.48	-71.85	3.3	7.67	Vertical	Pass

NR N5 ANT0-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1655.0	-71.9	-13	-58.9	-74.77	2.62	5.49	Horizontal	Pass
2482.5	-69.89	-13	-56.89	-72.6	3.07	5.78	Horizontal	Pass
3310.0	-67.74	-13	-54.74	-72.14	3.3	7.7	Horizontal	Pass
1655.0	-71.88	-13	-58.88	-74.75	2.62	5.49	Vertical	Pass
2482.5	-69.76	-13	-56.76	-72.47	3.07	5.78	Vertical	Pass
3310.0	-68.08	-13	-55.08	-72.48	3.3	7.7	Vertical	Pass

NR N5 ANT0-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1660.0	-71.81	-13	-58.81	-74.67	2.62	5.48	Horizontal	Pass
2490.0	-69.53	-13	-56.53	-72.26	3.07	5.8	Horizontal	Pass
3320.0	-67.7	-13	-54.7	-72.11	3.31	7.72	Horizontal	Pass
1660.0	-72.0	-13	-59.0	-74.86	2.62	5.48	Vertical	Pass
2490.0	-69.69	-13	-56.69	-72.42	3.07	5.8	Vertical	Pass
3320.0	-67.73	-13	-54.73	-72.14	3.31	7.72	Vertical	Pass

NSA_7A_n5A-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3300.0	-66.35	-13	-53.35	-70.72	3.3	7.67	Horizontal	Pass
4125.0	-65.44	-13	-52.44	-70.45	3.97	8.98	Horizontal	Pass
4950.0	-63.26	-13	-50.26	-68.78	4.55	10.07	Horizontal	Pass
3300.0	-63.36	-13	-50.36	-67.73	3.3	7.67	Vertical	Pass
4125.0	-64.99	-13	-51.99	-70.0	3.97	8.98	Vertical	Pass
4950.0	-63.05	-13	-50.05	-68.57	4.55	10.07	Vertical	Pass

NSA_7A_n5A-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3310.0	-67.0	-13	-54.0	-71.4	3.3	7.7	Horizontal	Pass
4137.5	-65.37	-13	-52.37	-70.38	3.98	8.99	Horizontal	Pass
4965.0	-62.8	-13	-49.8	-68.34	4.55	10.09	Horizontal	Pass
3310.0	-66.57	-13	-53.57	-70.97	3.3	7.7	Vertical	Pass
4137.5	-65.67	-13	-52.67	-70.68	3.98	8.99	Vertical	Pass
4965.0	-62.85	-13	-49.85	-68.39	4.55	10.09	Vertical	Pass

NSA_7A_n5A-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3320.0	-67.54	-13	-54.54	-71.95	3.31	7.72	Horizontal	Pass
4150.0	-66.27	-13	-53.27	-71.29	3.99	9.01	Horizontal	Pass
4980.0	-62.04	-13	-49.04	-67.59	4.56	10.11	Horizontal	Pass
3320.0	-67.08	-13	-54.08	-71.49	3.31	7.72	Vertical	Pass
4150.0	-65.87	-13	-52.87	-70.89	3.99	9.01	Vertical	Pass
4980.0	-62.88	-13	-49.88	-68.43	4.56	10.11	Vertical	Pass