

**Appendix
for
DC_7A_n5A
(824-849)**

Catalogue

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1. Effective Radiated Power

1.1. Test Results @ Ant4 (Antenna Gain=-6.00dBi)

SCS	Bandwidth	Channel	Modulation	Conducted Result (dBm)			Max ERP (dBm)	Limit (dBm)	Verdict
				Inner_1RB_Left	Inner_1RB_Right	Inner_Full			
15KHz	5MHz	LCH	DFT-Pi2BPSK	23.46	23.18	23.32	15.31	38.45	Pass
15KHz	5MHz	LCH	DFT-QPSK	22.78	22.13	22.44	14.63	38.45	Pass
15KHz	5MHz	LCH	DFT-16QAM	21.89	21.26	21.43	13.74	38.45	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.67	20.27	20.10	12.52	38.45	Pass
15KHz	5MHz	LCH	DFT-256QAM	18.46	18.17	18.44	10.31	38.45	Pass
15KHz	5MHz	LCH	CP-QPSK	21.34	20.80	20.74	13.19	38.45	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	23.01	22.84	22.91	14.86	38.45	Pass
15KHz	5MHz	MCH	DFT-QPSK	22.83	22.73	22.76	14.68	38.45	Pass
15KHz	5MHz	MCH	DFT-16QAM	21.54	21.51	21.81	13.66	38.45	Pass
15KHz	5MHz	MCH	DFT-64QAM	20.86	20.75	20.57	12.71	38.45	Pass
15KHz	5MHz	MCH	DFT-256QAM	18.77	18.52	18.92	10.77	38.45	Pass
15KHz	5MHz	MCH	CP-QPSK	21.36	21.42	21.08	13.27	38.45	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	22.36	22.09	22.16	14.21	38.45	Pass
15KHz	5MHz	HCH	DFT-QPSK	22.32	21.82	22.15	14.17	38.45	Pass
15KHz	5MHz	HCH	DFT-16QAM	21.96	21.38	21.86	13.81	38.45	Pass
15KHz	5MHz	HCH	DFT-64QAM	20.90	20.57	20.63	12.75	38.45	Pass
15KHz	5MHz	HCH	DFT-256QAM	18.86	18.47	18.81	10.71	38.45	Pass
15KHz	5MHz	HCH	CP-QPSK	21.59	21.09	21.16	13.44	38.45	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	23.45	22.95	23.28	15.30	38.45	Pass
15KHz	10MHz	LCH	DFT-QPSK	22.51	22.55	22.37	14.40	38.45	Pass
15KHz	10MHz	LCH	DFT-16QAM	21.18	21.28	21.48	13.33	38.45	Pass
15KHz	10MHz	LCH	DFT-64QAM	20.26	20.42	19.97	12.27	38.45	Pass
15KHz	10MHz	LCH	DFT-256QAM	18.25	18.37	18.42	10.27	38.45	Pass
15KHz	10MHz	LCH	CP-QPSK	21.15	21.03	20.75	13.00	38.45	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	22.93	22.65	23.03	14.88	38.45	Pass
15KHz	10MHz	MCH	DFT-QPSK	22.18	22.47	22.71	14.56	38.45	Pass
15KHz	10MHz	MCH	DFT-16QAM	21.40	21.71	21.82	13.67	38.45	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.29	20.46	20.33	12.31	38.45	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.41	18.20	18.82	10.67	38.45	Pass
15KHz	10MHz	MCH	CP-QPSK	20.83	21.12	21.11	12.97	38.45	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	22.69	22.07	22.36	14.54	38.45	Pass
15KHz	10MHz	HCH	DFT-QPSK	22.48	21.90	22.43	14.33	38.45	Pass
15KHz	10MHz	HCH	DFT-16QAM	21.22	21.07	21.93	13.78	38.45	Pass
15KHz	10MHz	HCH	DFT-64QAM	20.48	20.39	20.45	12.33	38.45	Pass
15KHz	10MHz	HCH	DFT-256QAM	18.26	18.08	18.90	10.75	38.45	Pass
15KHz	10MHz	HCH	CP-QPSK	21.22	20.91	21.25	13.10	38.45	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	23.45	22.91	23.14	15.30	38.45	Pass
15KHz	15MHz	LCH	DFT-QPSK	22.41	22.60	22.37	14.45	38.45	Pass
15KHz	15MHz	LCH	DFT-16QAM	21.54	21.77	21.43	13.62	38.45	Pass
15KHz	15MHz	LCH	DFT-64QAM	20.27	20.50	20.06	12.35	38.45	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.29	18.29	18.52	10.37	38.45	Pass
15KHz	15MHz	LCH	CP-QPSK	21.05	21.24	20.76	13.09	38.45	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	23.12	22.48	22.94	14.97	38.45	Pass
15KHz	15MHz	MCH	DFT-QPSK	22.19	22.36	22.67	14.52	38.45	Pass
15KHz	15MHz	MCH	DFT-16QAM	21.22	21.71	21.74	13.59	38.45	Pass
15KHz	15MHz	MCH	DFT-64QAM	20.25	20.74	20.35	12.59	38.45	Pass
15KHz	15MHz	MCH	DFT-256QAM	18.07	18.33	18.81	10.66	38.45	Pass
15KHz	15MHz	MCH	CP-QPSK	20.80	21.32	21.06	13.17	38.45	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	22.84	22.02	22.65	14.69	38.45	Pass
15KHz	15MHz	HCH	DFT-QPSK	22.50	21.94	22.63	14.48	38.45	Pass
15KHz	15MHz	HCH	DFT-16QAM	21.69	21.54	21.68	13.54	38.45	Pass
15KHz	15MHz	HCH	DFT-64QAM	20.48	20.33	20.26	12.33	38.45	Pass
15KHz	15MHz	HCH	DFT-256QAM	18.62	18.25	18.69	10.54	38.45	Pass
15KHz	15MHz	HCH	CP-QPSK	21.09	21.01	21.09	12.94	38.45	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	23.30	22.47	23.03	15.15	38.45	Pass
15KHz	20MHz	LCH	DFT-QPSK	22.37	22.41	22.43	14.28	38.45	Pass
15KHz	20MHz	LCH	DFT-16QAM	21.25	21.49	21.47	13.34	38.45	Pass
15KHz	20MHz	LCH	DFT-64QAM	20.34	20.61	20.11	12.46	38.45	Pass

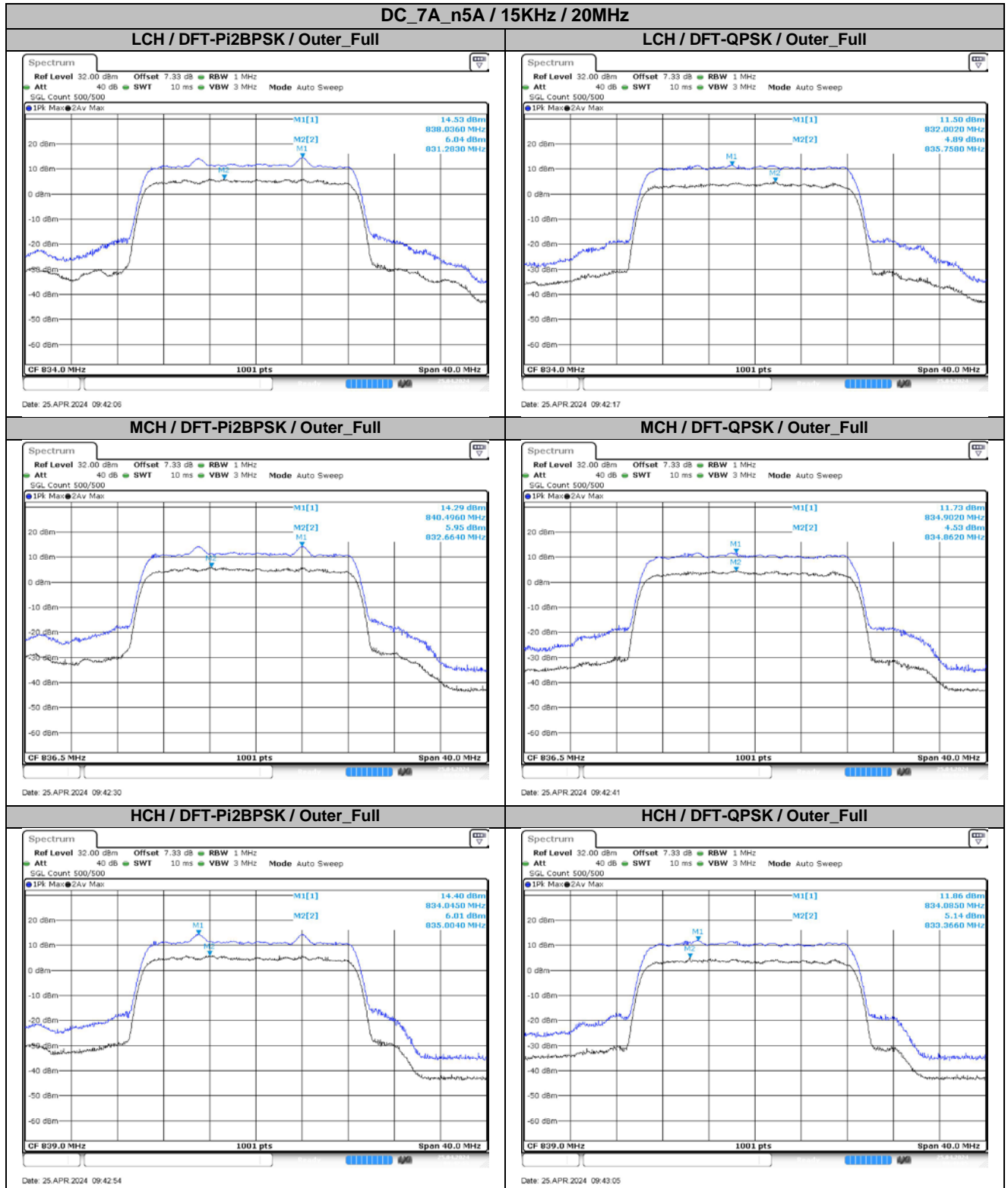
15KHz	20MHz	LCH	DFT-256QAM	17.48	17.58	18.57	10.42	38.45	Pass
15KHz	20MHz	LCH	CP-QPSK	21.02	21.08	20.81	12.93	38.45	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	23.07	22.28	22.84	14.92	38.45	Pass
15KHz	20MHz	MCH	DFT-QPSK	21.96	22.11	22.55	14.40	38.45	Pass
15KHz	20MHz	MCH	DFT-16QAM	21.13	21.88	21.60	13.73	38.45	Pass
15KHz	20MHz	MCH	DFT-64QAM	19.90	20.70	20.22	12.55	38.45	Pass
15KHz	20MHz	MCH	DFT-256QAM	17.14	17.82	18.67	10.52	38.45	Pass
15KHz	20MHz	MCH	CP-QPSK	20.64	21.19	20.96	13.04	38.45	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	23.07	21.96	22.66	14.92	38.45	Pass
15KHz	20MHz	HCH	DFT-QPSK	22.12	21.95	22.51	14.36	38.45	Pass
15KHz	20MHz	HCH	DFT-16QAM	21.29	21.51	21.58	13.43	38.45	Pass
15KHz	20MHz	HCH	DFT-64QAM	20.12	20.34	20.15	12.19	38.45	Pass
15KHz	20MHz	HCH	DFT-256QAM	17.39	17.46	18.61	10.46	38.45	Pass
15KHz	20MHz	HCH	CP-QPSK	20.75	20.82	20.94	12.79	38.45	Pass

2. Peak-to-Average Ratio

2.1. Test Results

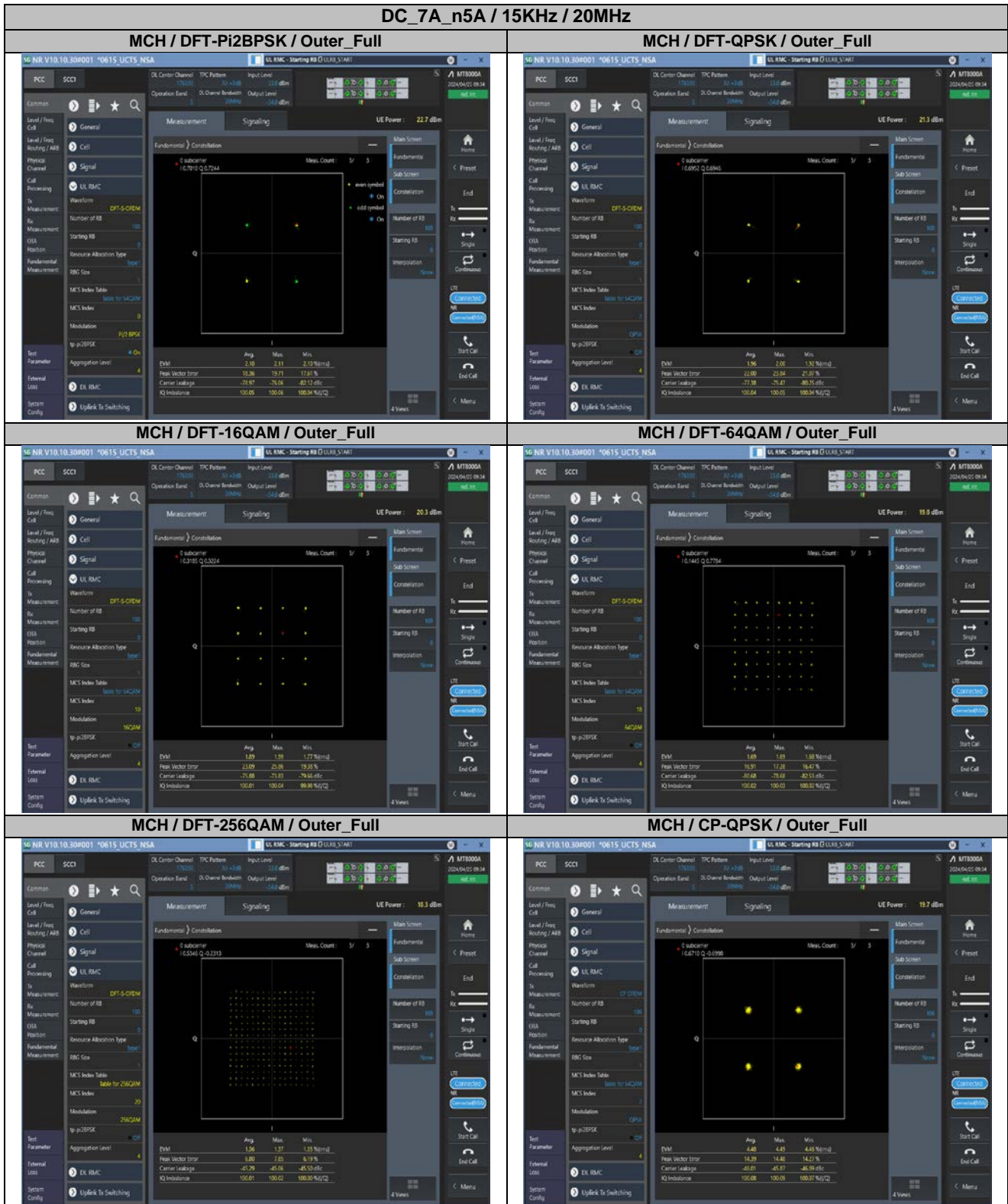
SCS	Bandwidth	Channel	Modulation	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	20MHz	LCH	Outer_Full	8.49	6.61	13.00	Pass
15KHz	20MHz	MCH	Outer_Full	8.34	7.20	13.00	Pass
15KHz	20MHz	HCH	Outer_Full	8.40	6.72	13.00	Pass

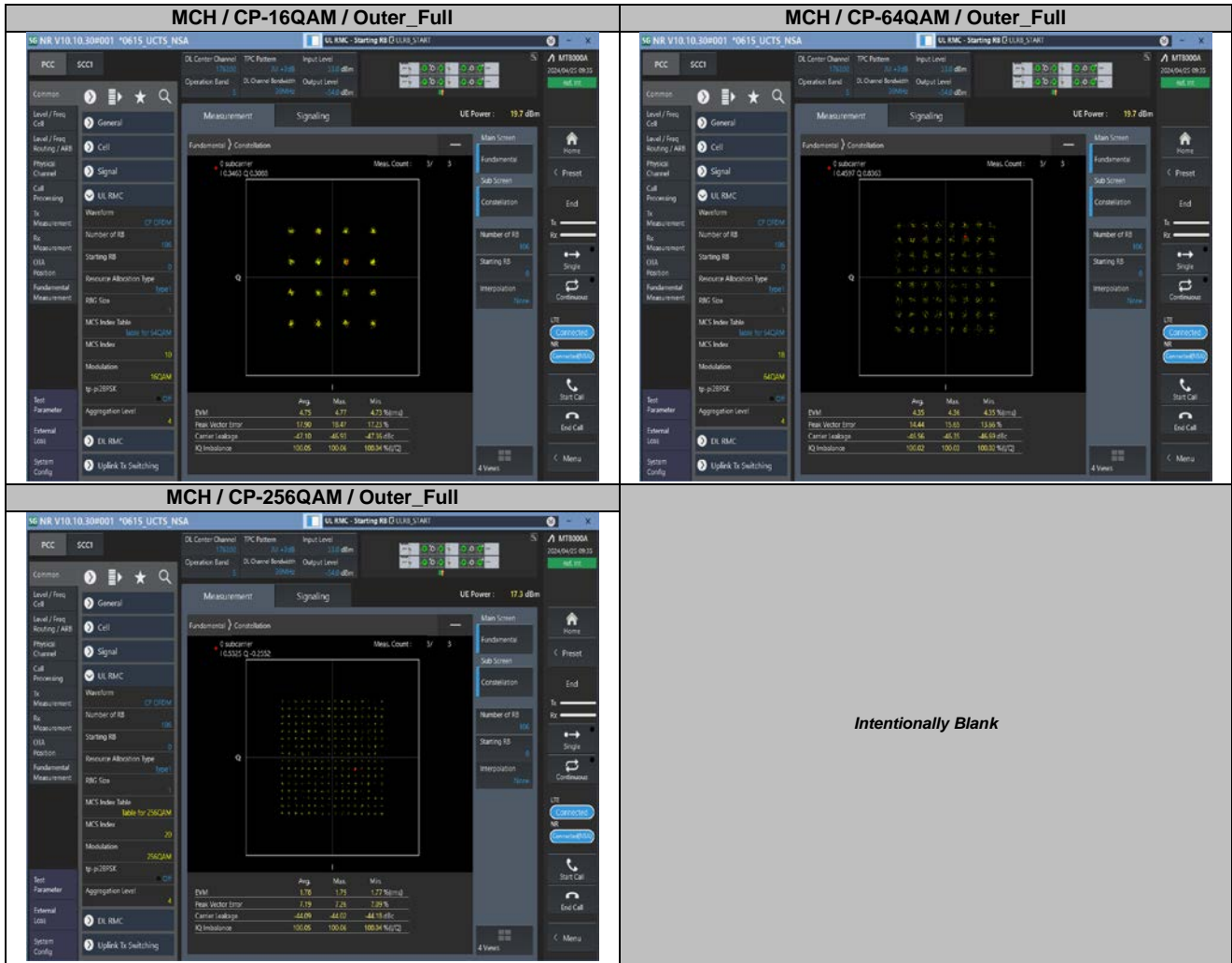
2.2. Test Plots



3. Modulation Characteristics

3.1. Test Plots





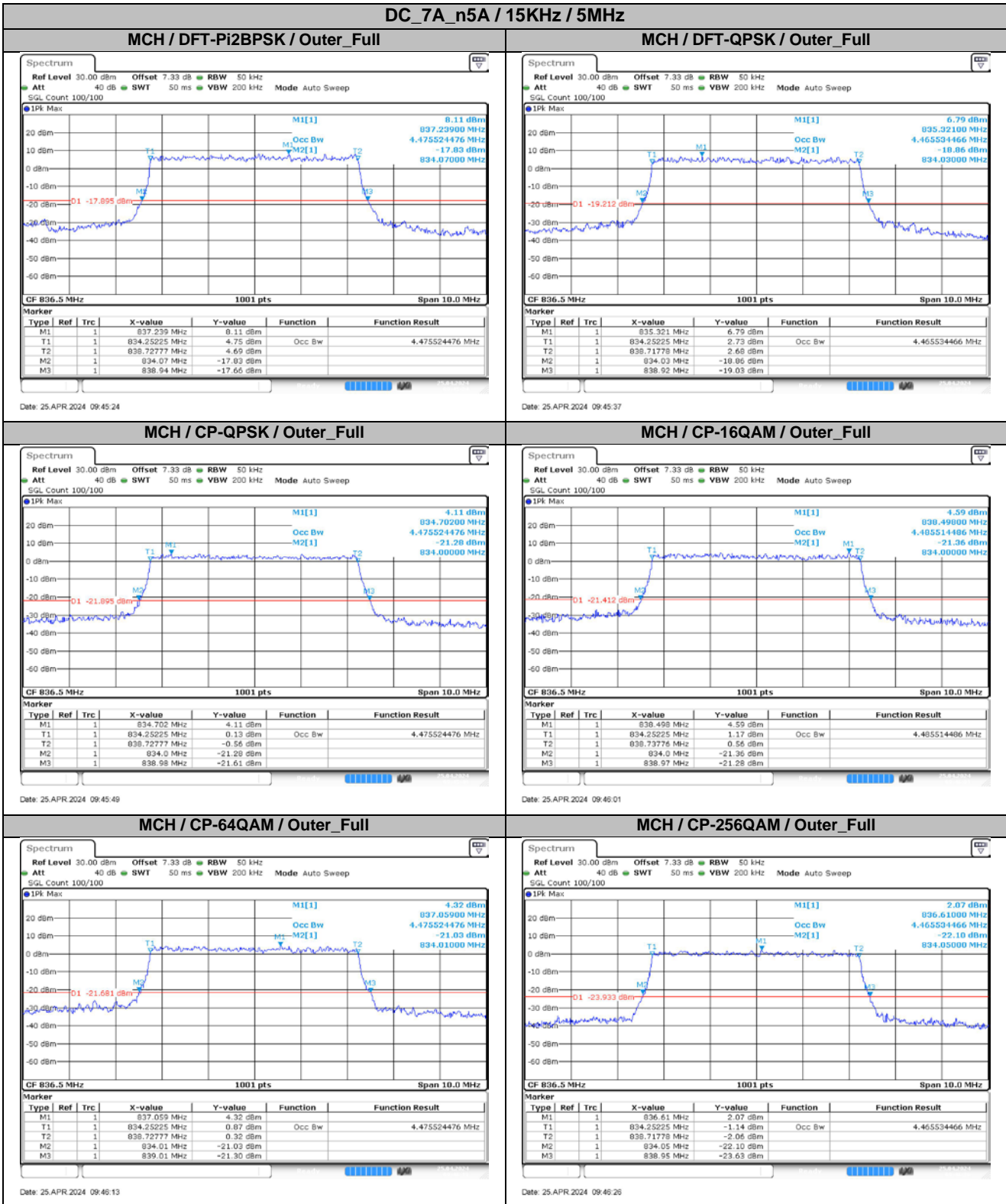
4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

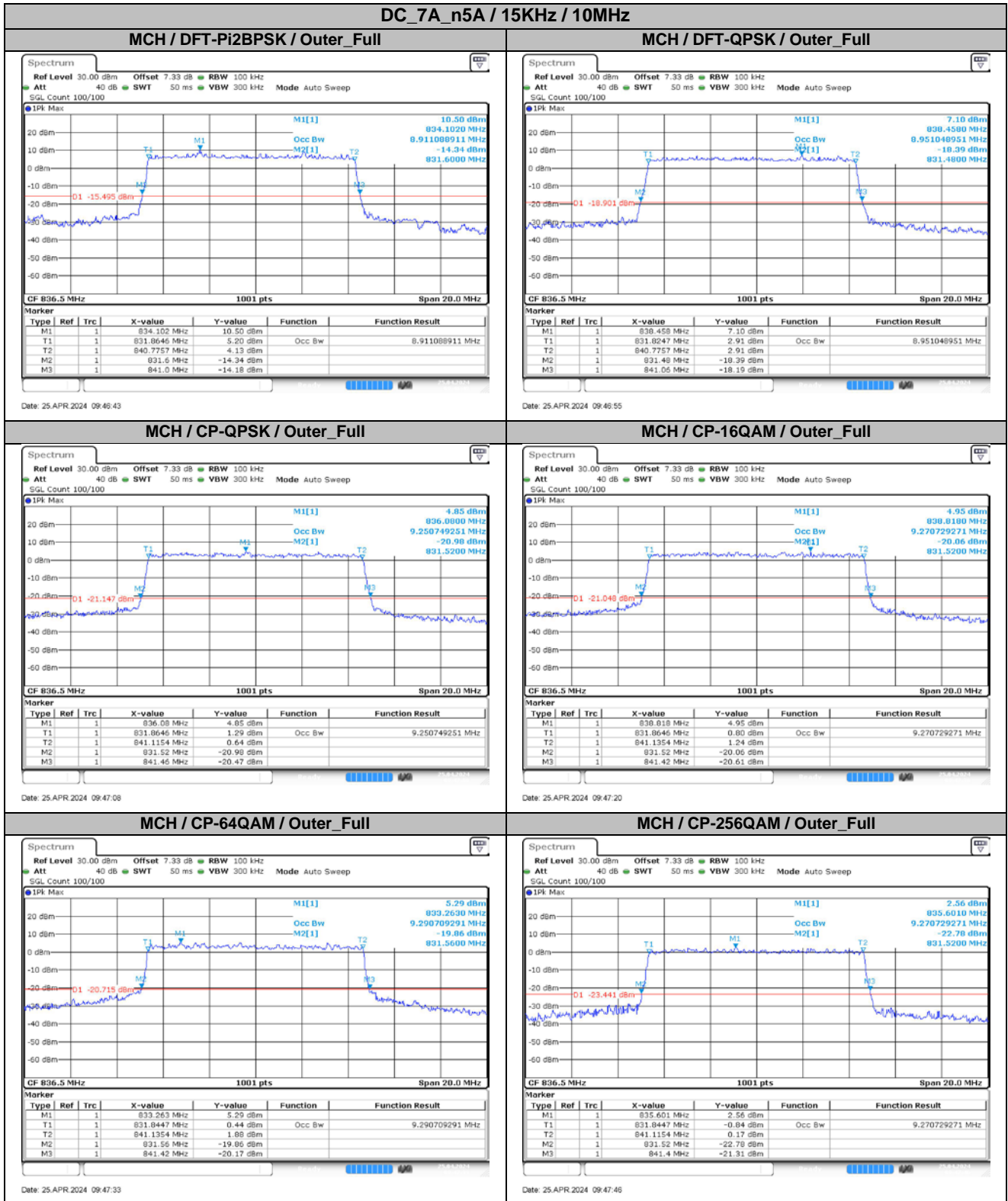
4.1. Test Results

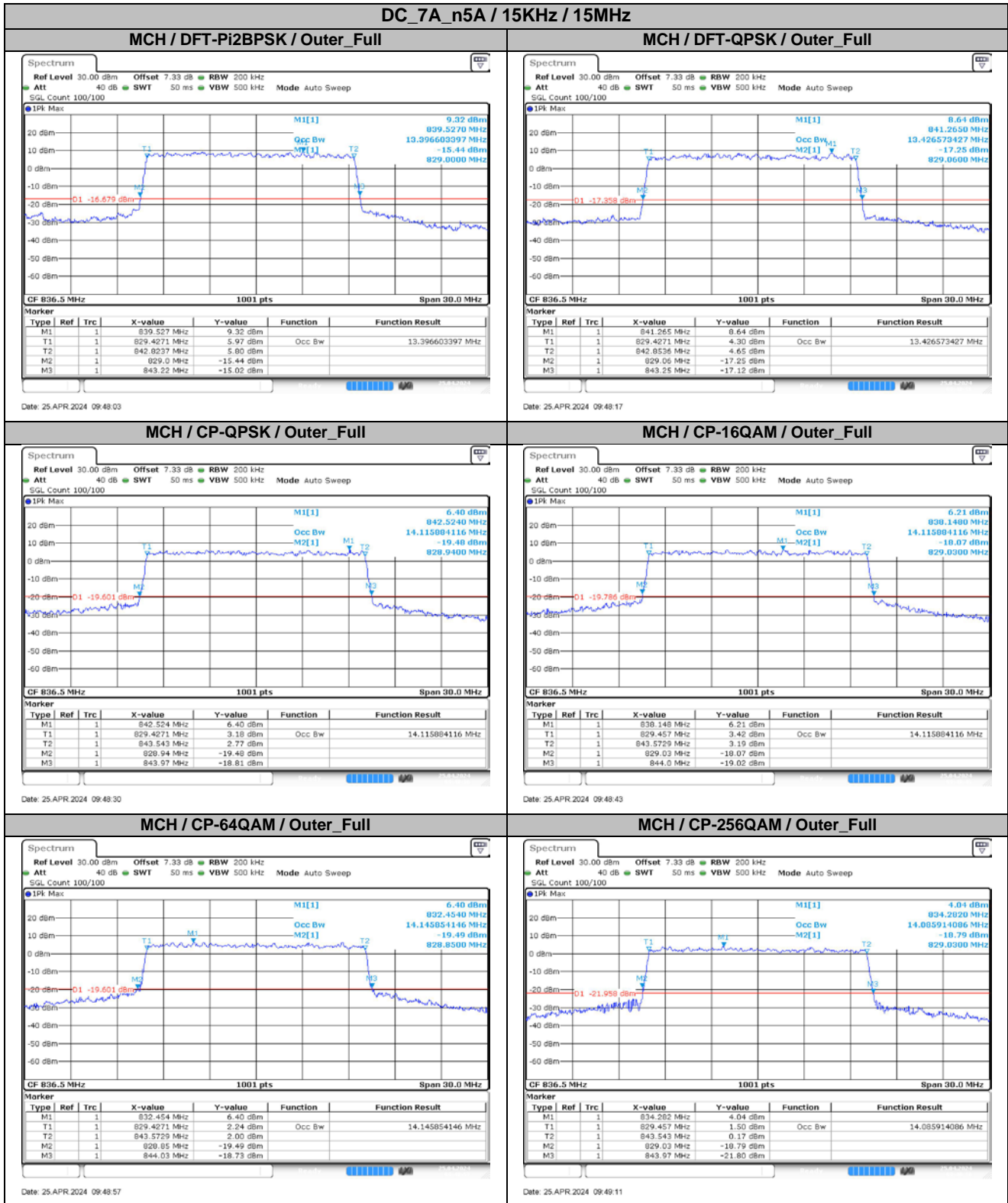
SCS	Bandwidth	Modulation	RB Config	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.48	4.87	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.47	4.89	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.48	4.98	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.49	4.97	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.48	5.00	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.47	4.90	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.91	9.40	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.95	9.58	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.25	9.94	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.27	9.90	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.29	9.86	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.27	9.88	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.40	14.22	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.43	14.19	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.12	15.03	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.12	14.97	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.15	15.18	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.09	14.94	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.82	18.68	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.82	18.68	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.90	20.28	Pass

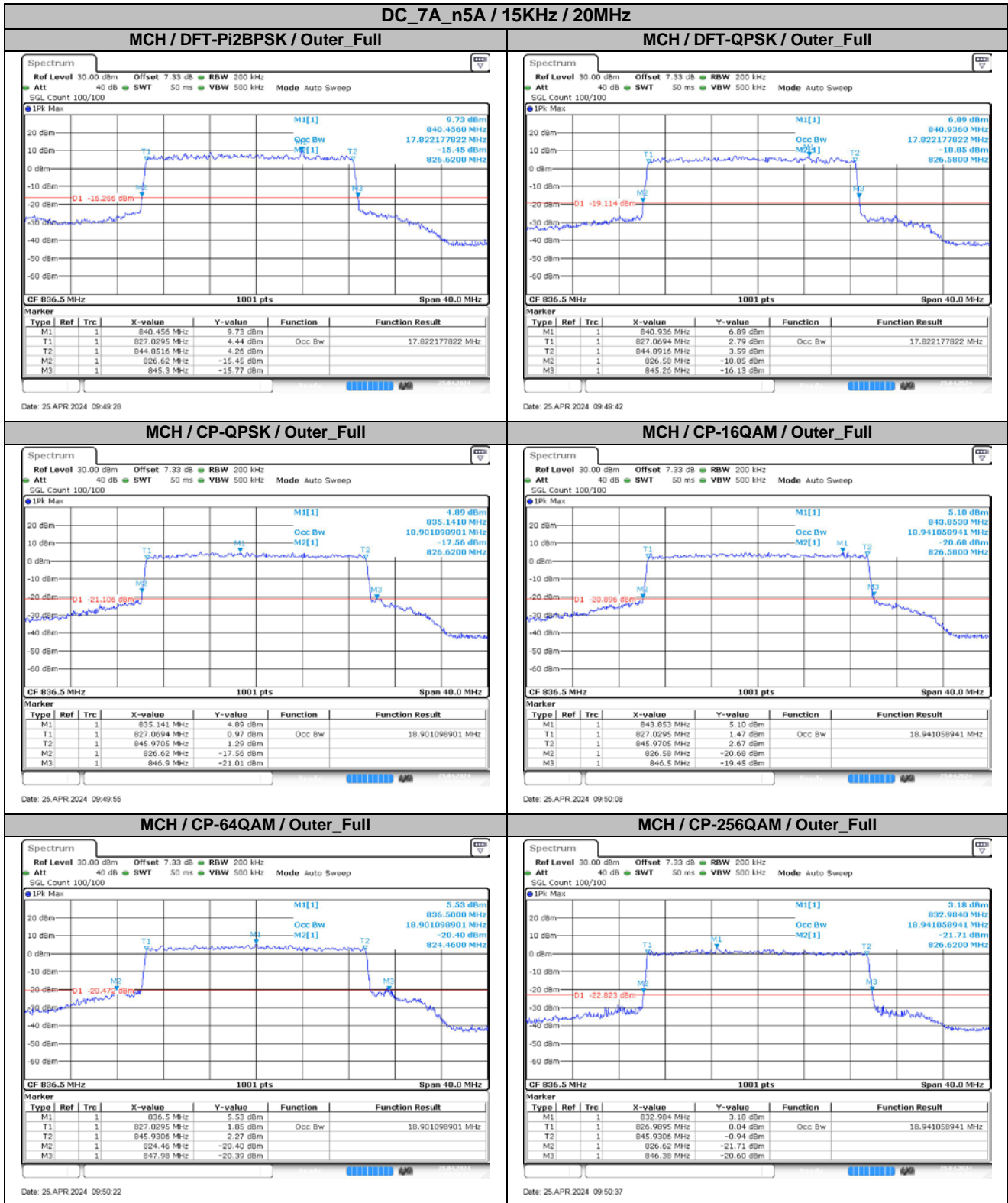
15KHz	20MHz	CP-16QAM	Outer_Full	18.94	19.92	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	18.90	23.52	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	18.94	19.76	Pass

4.2. Test Plots



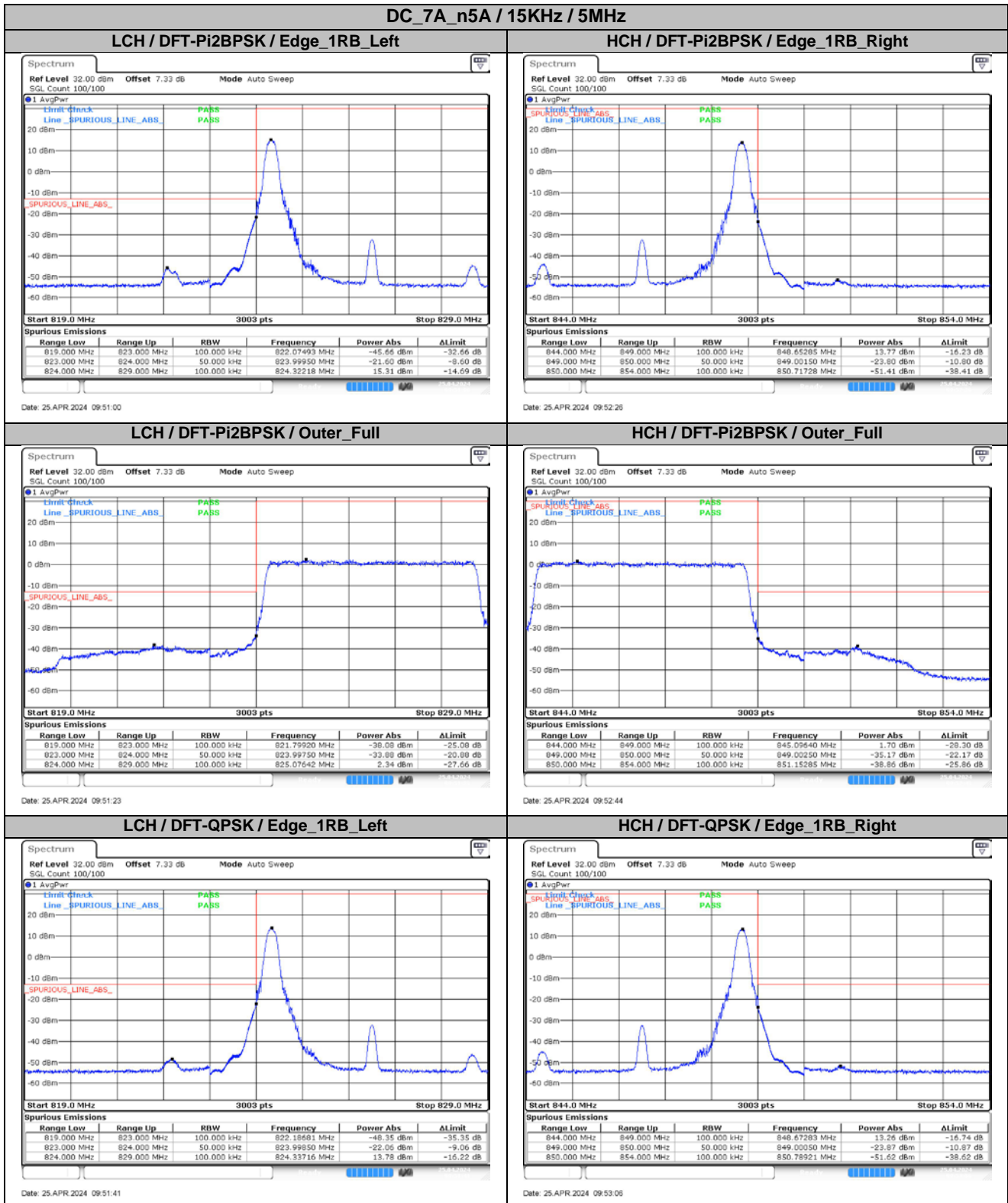


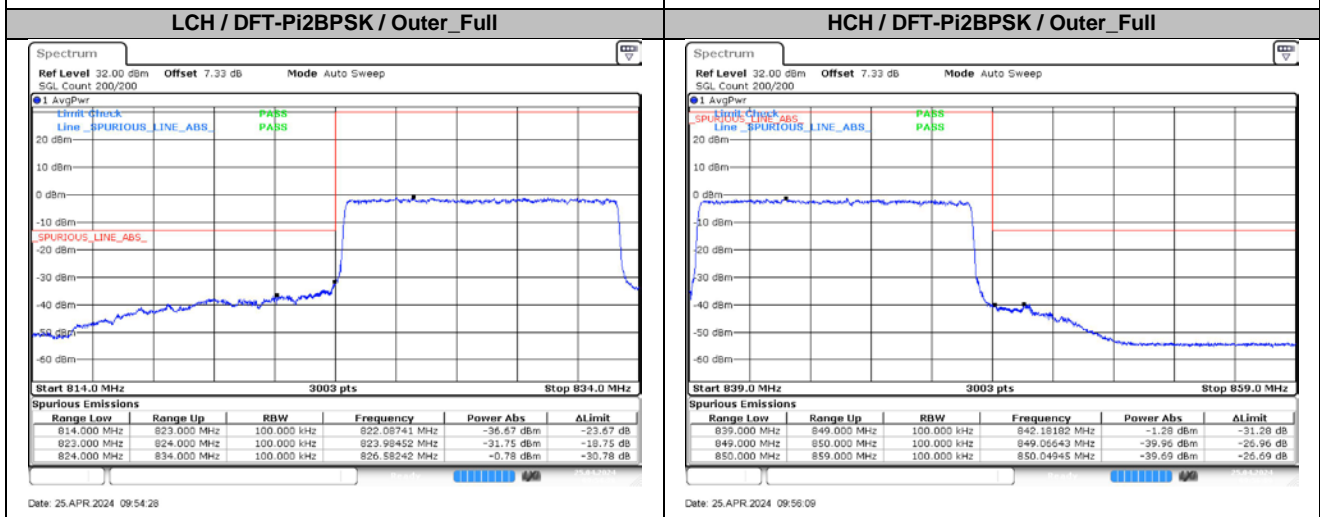
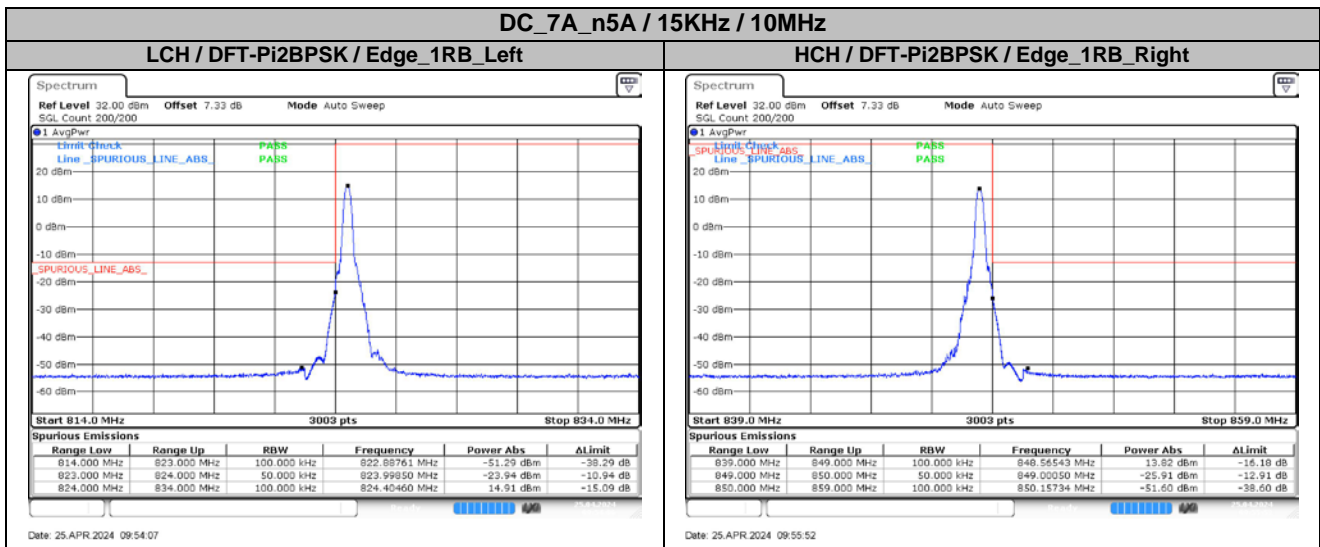
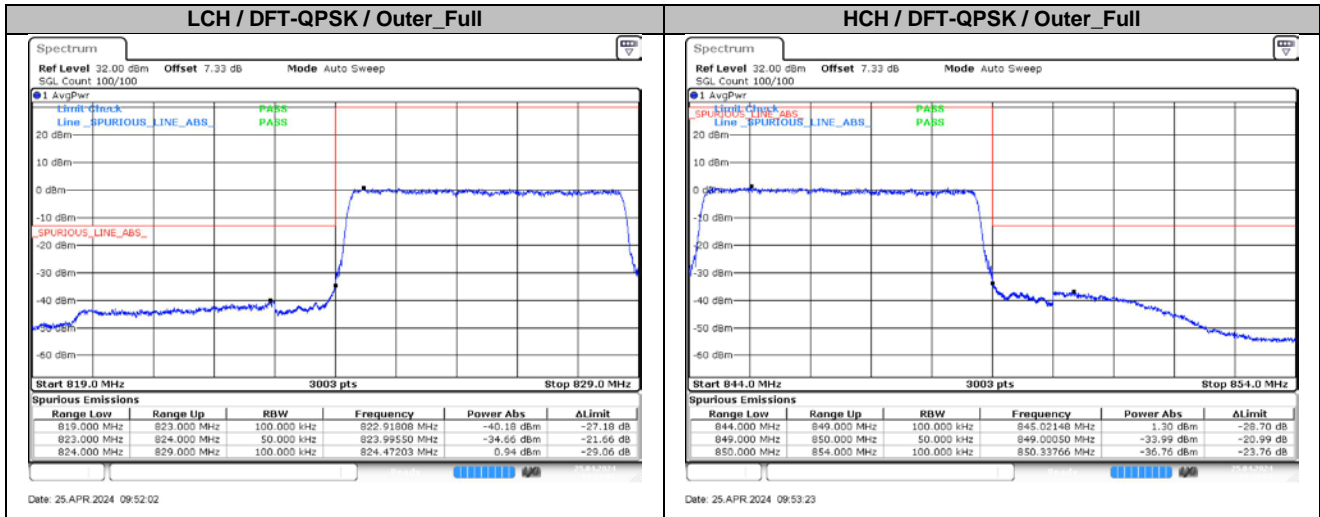


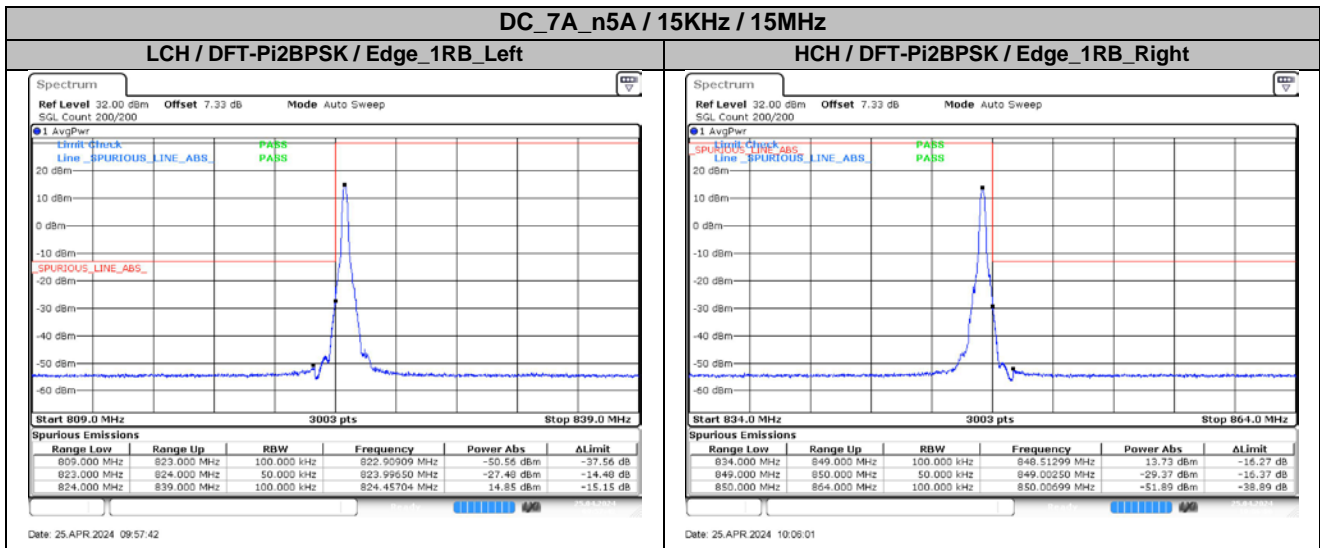
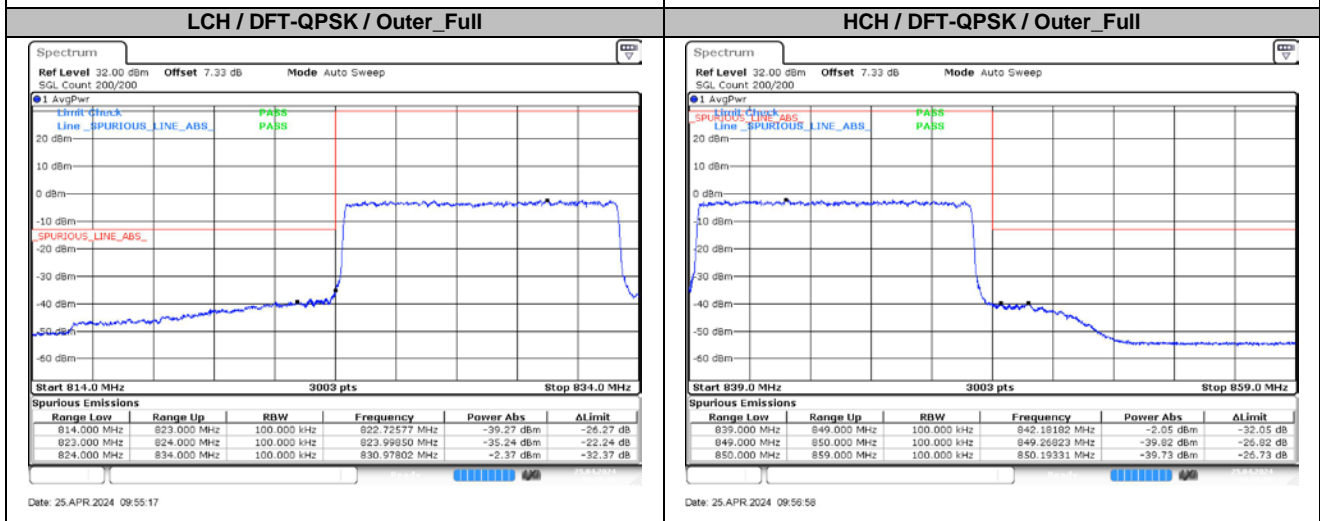
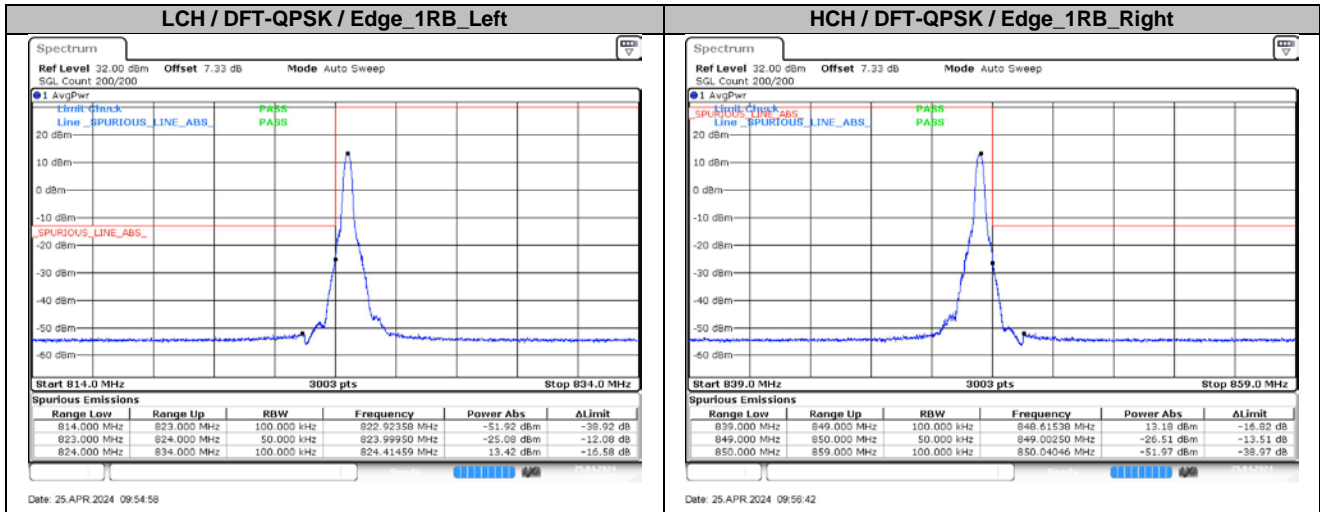


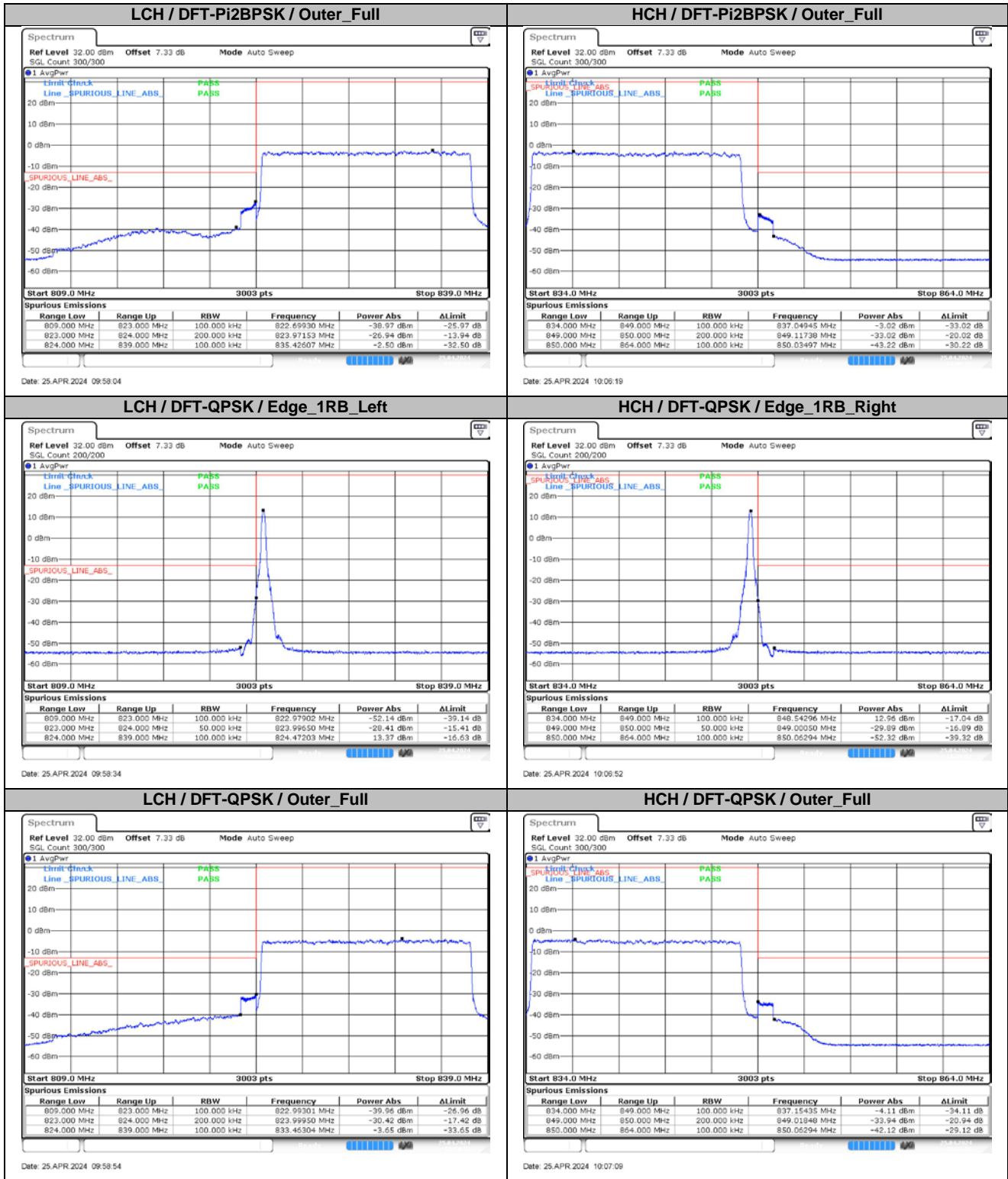
5. Conducted Band Edges

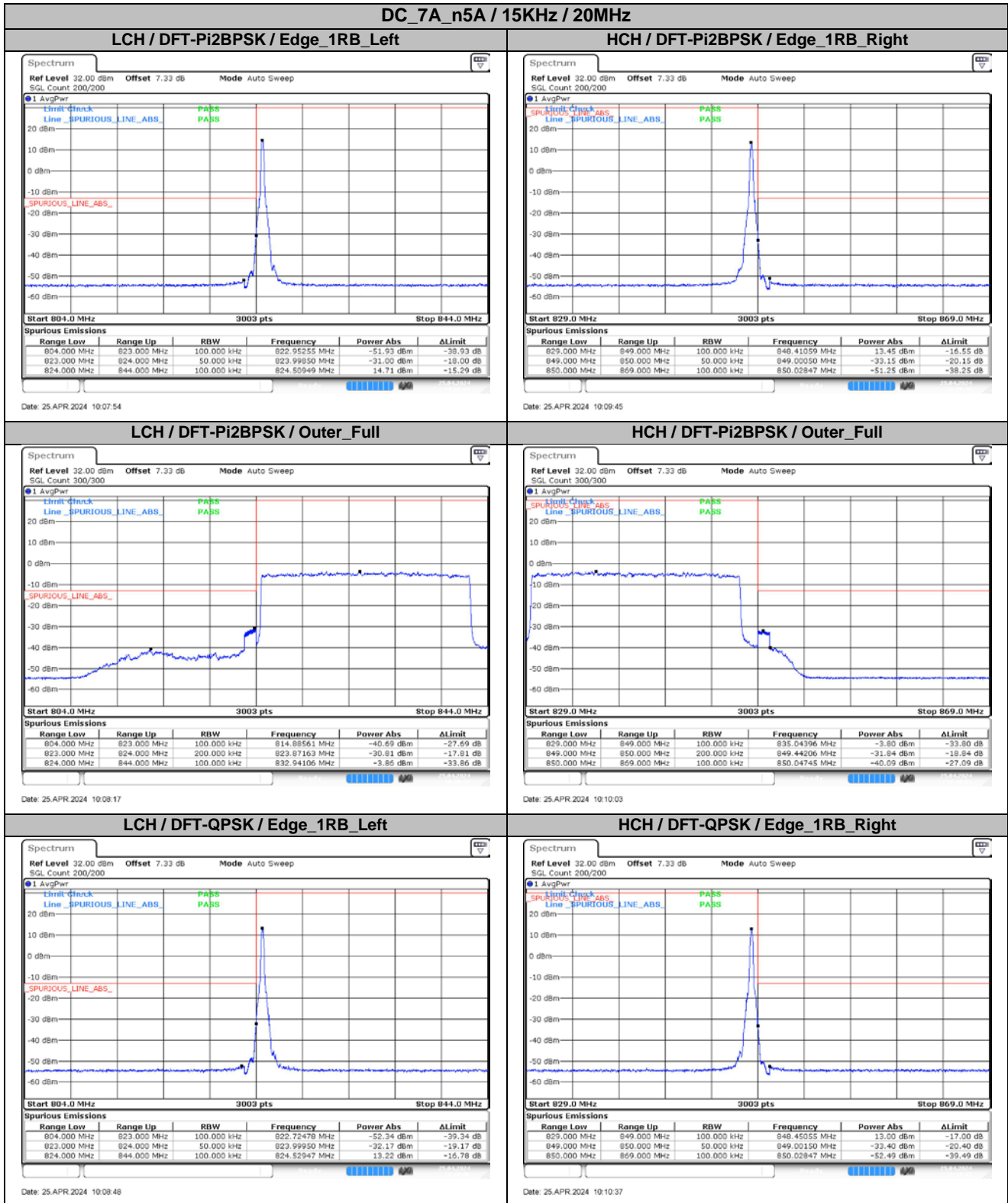
5.1. Test Plots

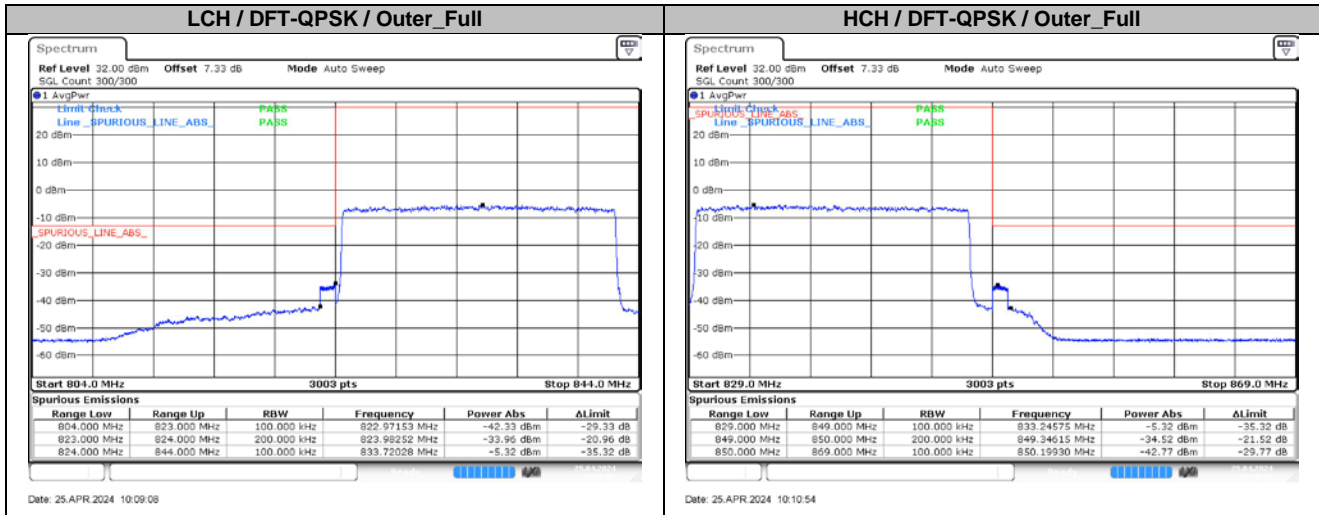












6. Conducted Spurious Emission

6.1. Test Plots

