

**Appendix
for
n5A
(824-849)**

Catalogue

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1. Effective Radiated Power

1.1. Test Results @ Ant0 (Antenna Gain=-3.00dBi)

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	23.30	23.22	23.27	18.15	38.45	Pass
15KHz	5MHz	LCH	DFT-QPSK	23.55	23.24	23.20	18.40	38.45	Pass
15KHz	5MHz	LCH	DFT-16QAM	22.38	22.25	22.33	17.23	38.45	Pass
15KHz	5MHz	LCH	DFT-64QAM	21.03	20.93	20.88	15.88	38.45	Pass
15KHz	5MHz	LCH	DFT-256QAM	18.27	18.22	18.74	13.59	38.45	Pass
15KHz	5MHz	LCH	CP-QPSK	21.90	22.00	21.63	16.85	38.45	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	23.32	23.49	23.32	18.34	38.45	Pass
15KHz	5MHz	MCH	DFT-QPSK	23.39	23.49	23.30	18.34	38.45	Pass
15KHz	5MHz	MCH	DFT-16QAM	22.25	22.46	22.36	17.31	38.45	Pass
15KHz	5MHz	MCH	DFT-64QAM	20.92	21.17	20.92	16.02	38.45	Pass
15KHz	5MHz	MCH	DFT-256QAM	18.32	18.36	18.76	13.61	38.45	Pass
15KHz	5MHz	MCH	CP-QPSK	21.89	21.94	21.63	16.79	38.45	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	23.35	23.44	23.64	18.49	38.45	Pass
15KHz	5MHz	HCH	DFT-QPSK	23.38	23.41	23.16	18.26	38.45	Pass
15KHz	5MHz	HCH	DFT-16QAM	22.39	22.27	22.28	17.24	38.45	Pass
15KHz	5MHz	HCH	DFT-64QAM	21.03	20.98	20.77	15.88	38.45	Pass
15KHz	5MHz	HCH	DFT-256QAM	18.36	18.31	18.69	13.54	38.45	Pass
15KHz	5MHz	HCH	CP-QPSK	21.99	21.83	21.58	16.84	38.45	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	23.31	23.21	23.20	18.16	38.45	Pass
15KHz	10MHz	LCH	DFT-QPSK	23.30	23.38	23.18	18.23	38.45	Pass
15KHz	10MHz	LCH	DFT-16QAM	22.30	22.24	22.28	17.15	38.45	Pass
15KHz	10MHz	LCH	DFT-64QAM	20.94	20.92	20.79	15.79	38.45	Pass
15KHz	10MHz	LCH	DFT-256QAM	18.40	18.22	18.60	13.45	38.45	Pass
15KHz	10MHz	LCH	CP-QPSK	21.81	21.92	21.65	16.77	38.45	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	23.29	23.35	23.24	18.20	38.45	Pass
15KHz	10MHz	MCH	DFT-QPSK	23.20	23.32	23.36	18.21	38.45	Pass
15KHz	10MHz	MCH	DFT-16QAM	22.23	22.42	22.38	17.27	38.45	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.89	21.06	20.80	15.91	38.45	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.33	18.29	18.76	13.61	38.45	Pass
15KHz	10MHz	MCH	CP-QPSK	21.89	21.88	21.79	16.74	38.45	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	23.19	23.35	23.00	18.20	38.45	Pass
15KHz	10MHz	HCH	DFT-QPSK	23.53	23.52	23.31	18.38	38.45	Pass
15KHz	10MHz	HCH	DFT-16QAM	22.23	22.35	22.32	17.20	38.45	Pass
15KHz	10MHz	HCH	DFT-64QAM	20.90	21.06	20.84	15.91	38.45	Pass
15KHz	10MHz	HCH	DFT-256QAM	18.23	18.31	18.72	13.57	38.45	Pass
15KHz	10MHz	HCH	CP-QPSK	21.94	22.00	21.72	16.85	38.45	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	23.32	23.33	23.20	18.18	38.45	Pass
15KHz	15MHz	LCH	DFT-QPSK	23.38	23.34	23.24	18.23	38.45	Pass
15KHz	15MHz	LCH	DFT-16QAM	22.36	22.36	22.23	17.21	38.45	Pass
15KHz	15MHz	LCH	DFT-64QAM	20.87	21.06	20.69	15.91	38.45	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.34	18.43	18.63	13.48	38.45	Pass
15KHz	15MHz	LCH	CP-QPSK	21.84	21.83	21.71	16.69	38.45	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	23.34	23.44	23.38	18.29	38.45	Pass
15KHz	15MHz	MCH	DFT-QPSK	23.35	23.42	23.32	18.27	38.45	Pass
15KHz	15MHz	MCH	DFT-16QAM	22.20	22.37	22.39	17.24	38.45	Pass
15KHz	15MHz	MCH	DFT-64QAM	20.87	21.10	20.89	15.95	38.45	Pass
15KHz	15MHz	MCH	DFT-256QAM	18.31	18.53	18.72	13.57	38.45	Pass
15KHz	15MHz	MCH	CP-QPSK	21.88	21.91	21.79	16.76	38.45	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	23.26	23.39	23.43	18.28	38.45	Pass
15KHz	15MHz	HCH	DFT-QPSK	23.24	23.41	23.34	18.26	38.45	Pass
15KHz	15MHz	HCH	DFT-16QAM	22.25	22.28	22.44	17.29	38.45	Pass
15KHz	15MHz	HCH	DFT-64QAM	20.94	21.05	20.94	15.90	38.45	Pass
15KHz	15MHz	HCH	DFT-256QAM	18.28	18.41	18.80	13.65	38.45	Pass
15KHz	15MHz	HCH	CP-QPSK	21.78	21.92	21.84	16.77	38.45	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	23.30	23.43	23.28	18.28	38.45	Pass
15KHz	20MHz	LCH	DFT-QPSK	23.38	23.46	23.23	18.31	38.45	Pass
15KHz	20MHz	LCH	DFT-16QAM	22.31	22.37	22.31	17.22	38.45	Pass
15KHz	20MHz	LCH	DFT-64QAM	20.88	21.07	20.78	15.92	38.45	Pass

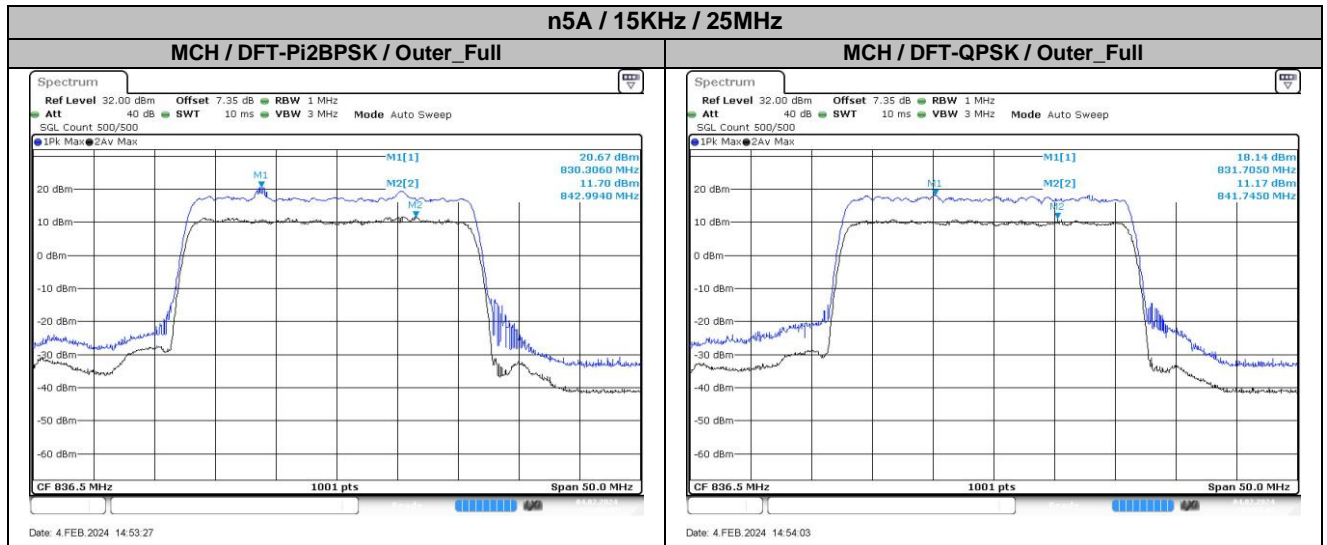
15KHz	20MHz	LCH	DFT-256QAM	18.38	18.54	18.58	13.43	38.45	Pass
15KHz	20MHz	LCH	CP-QPSK	21.84	21.89	21.68	16.74	38.45	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	23.22	23.36	23.36	18.21	38.45	Pass
15KHz	20MHz	MCH	DFT-QPSK	23.30	23.36	23.38	18.23	38.45	Pass
15KHz	20MHz	MCH	DFT-16QAM	22.19	22.36	22.36	17.21	38.45	Pass
15KHz	20MHz	MCH	DFT-64QAM	20.98	21.05	20.96	15.90	38.45	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.28	18.48	18.73	13.58	38.45	Pass
15KHz	20MHz	MCH	CP-QPSK	21.81	21.82	21.88	16.73	38.45	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	23.25	23.34	23.36	18.21	38.45	Pass
15KHz	20MHz	HCH	DFT-QPSK	23.28	23.37	23.37	18.22	38.45	Pass
15KHz	20MHz	HCH	DFT-16QAM	22.18	22.36	22.37	17.22	38.45	Pass
15KHz	20MHz	HCH	DFT-64QAM	20.86	21.03	21.14	15.99	38.45	Pass
15KHz	20MHz	HCH	DFT-256QAM	18.26	18.43	18.75	13.60	38.45	Pass
15KHz	20MHz	HCH	CP-QPSK	21.75	21.84	21.83	16.69	38.45	Pass
15KHz	25MHz	MCH	DFT-Pi2BPSK	23.44	23.73	23.24	18.58	38.45	Pass
15KHz	25MHz	MCH	DFT-QPSK	23.43	23.74	23.24	18.59	38.45	Pass
15KHz	25MHz	MCH	DFT-16QAM	22.70	22.86	22.46	17.71	38.45	Pass
15KHz	25MHz	MCH	DFT-64QAM	21.35	21.43	20.98	16.28	38.45	Pass
15KHz	25MHz	MCH	DFT-256QAM	18.71	18.89	18.94	13.79	38.45	Pass
15KHz	25MHz	MCH	CP-QPSK	22.27	22.43	21.95	17.28	38.45	Pass

2. Peak-to-Average Ratio

2.1. Test Results

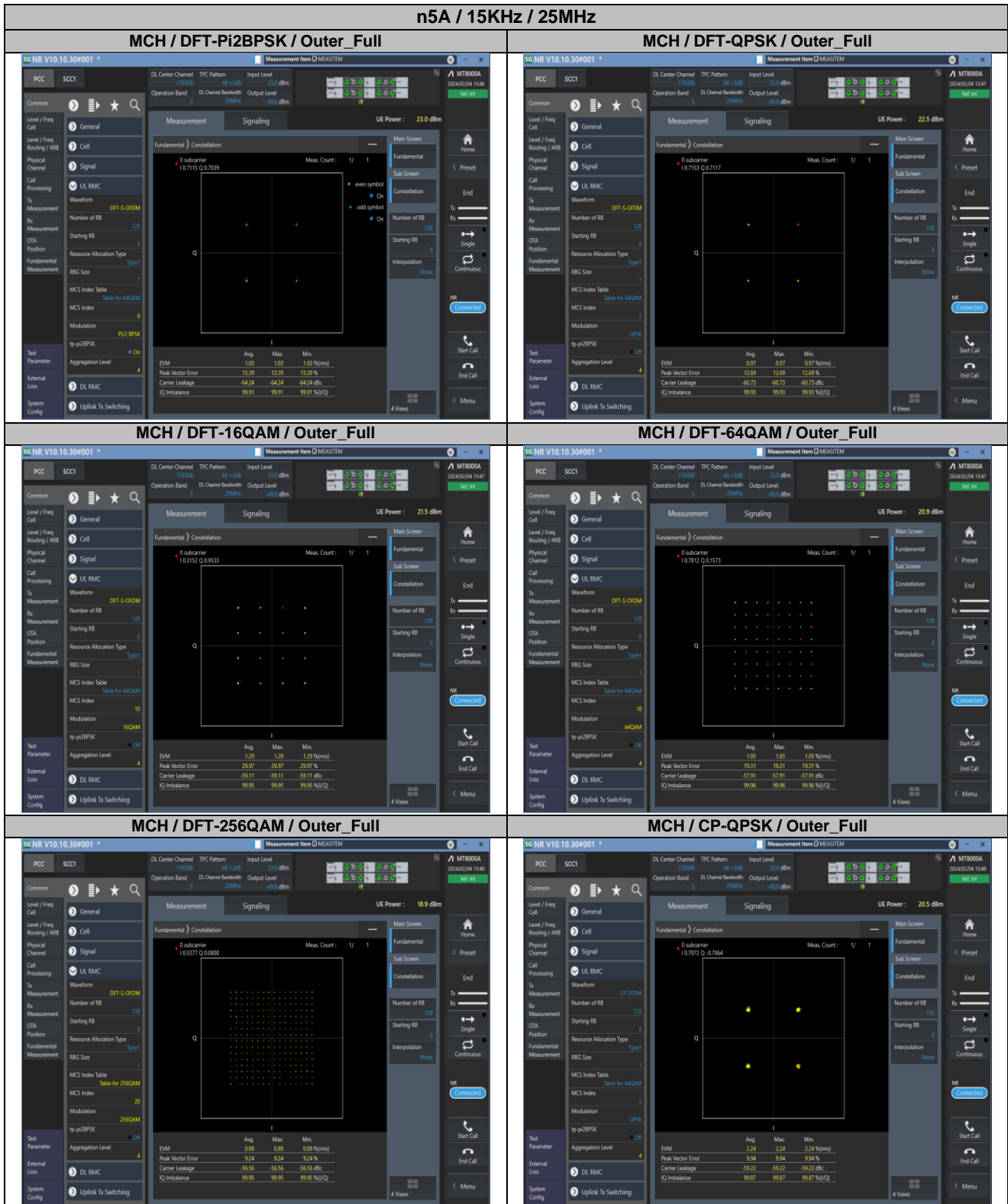
SCS	Bandwidth	Channel	Modulation	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	25MHz	MCH	Outer_Full	8.97	6.97	13.00	Pass

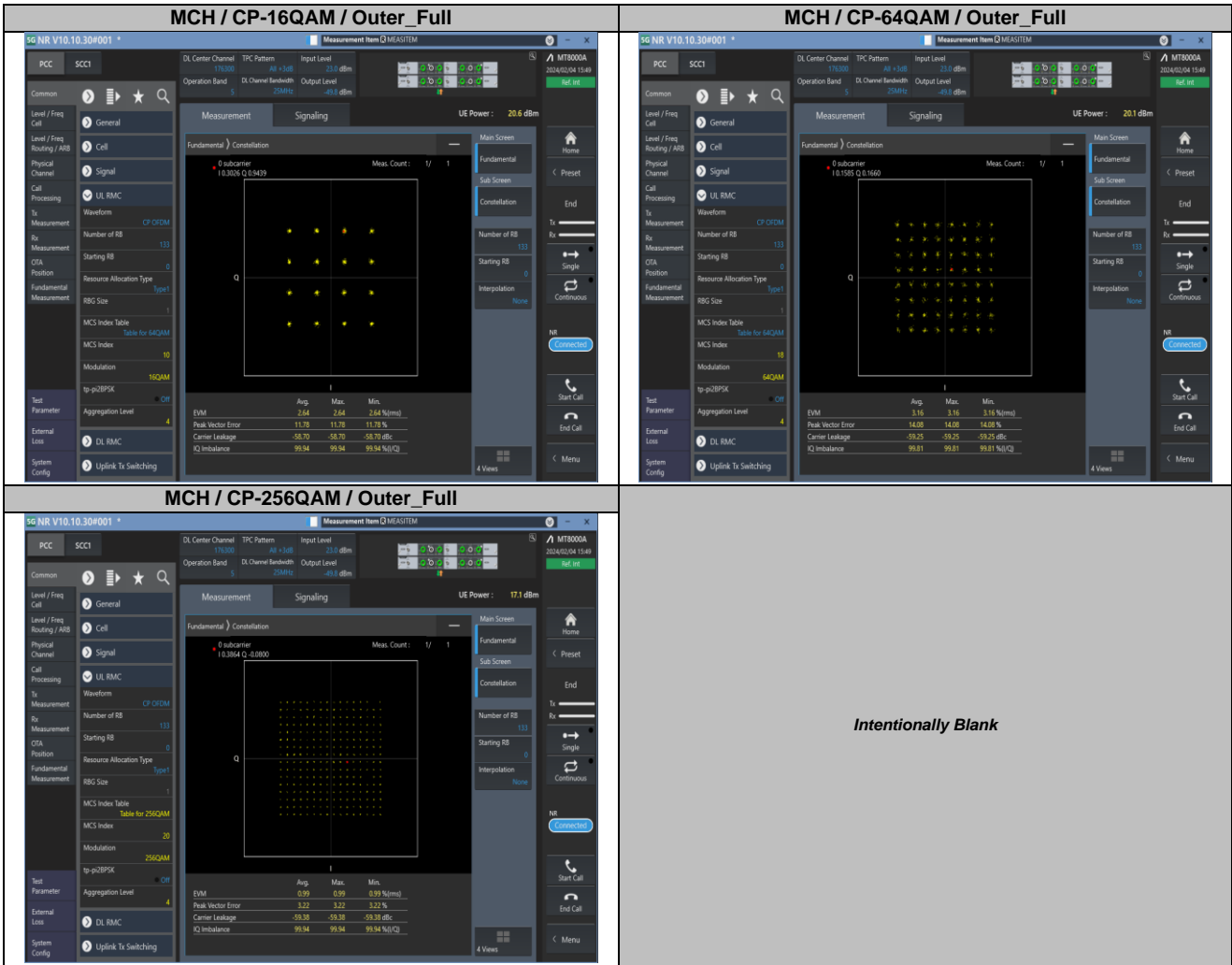
2.2. Test Plots



3. Modulation Characteristics

3.1. Test Plots



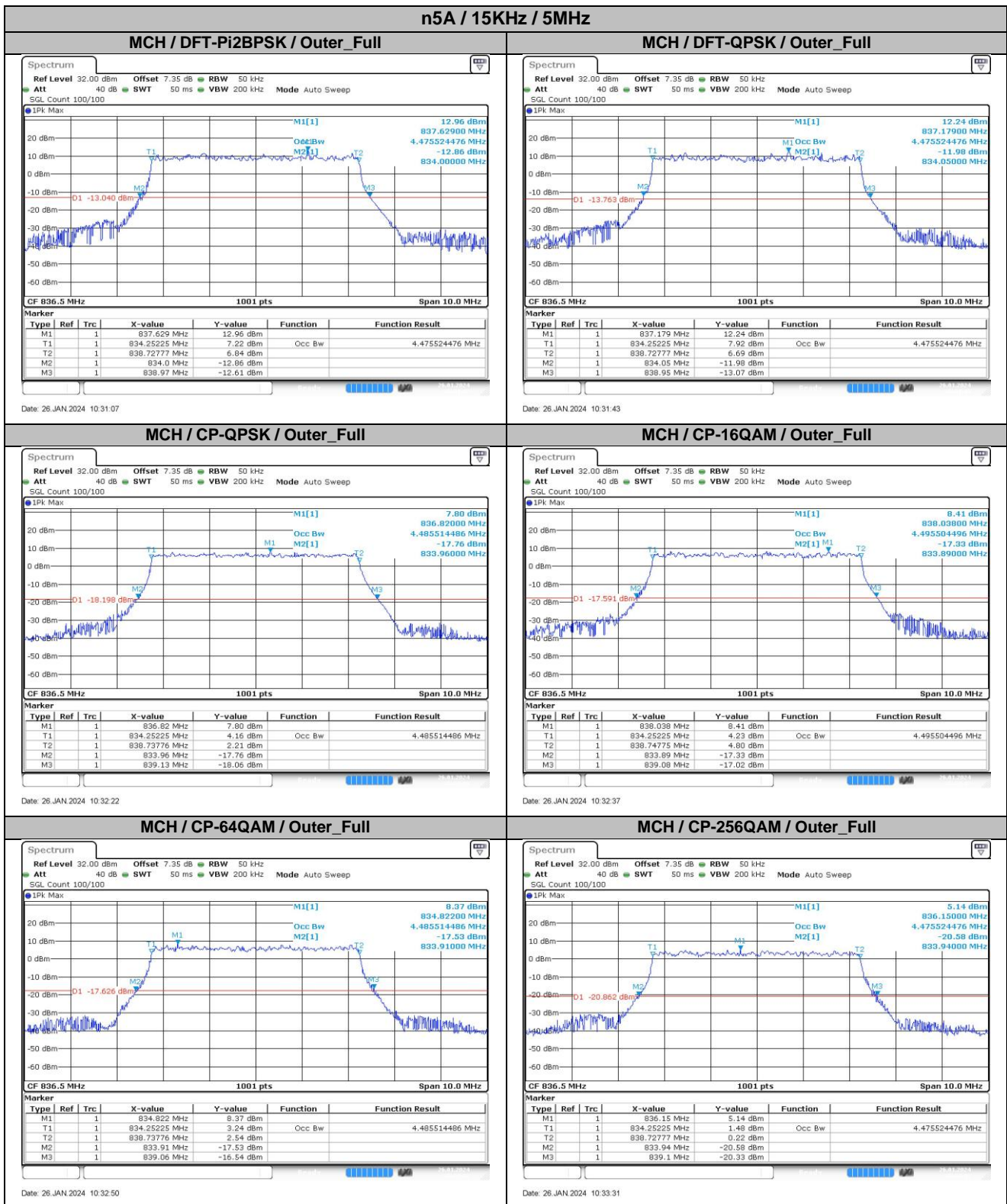


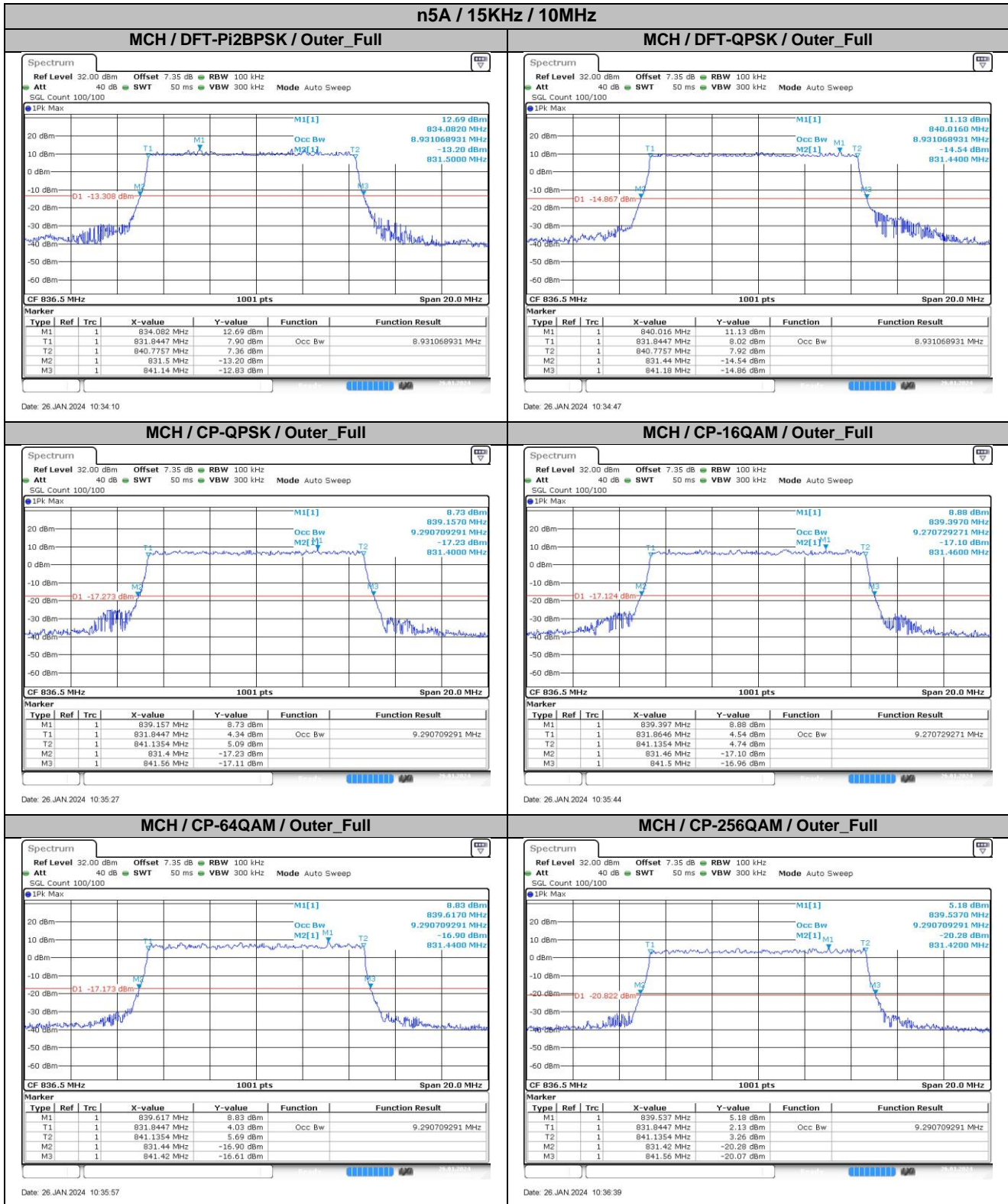
4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

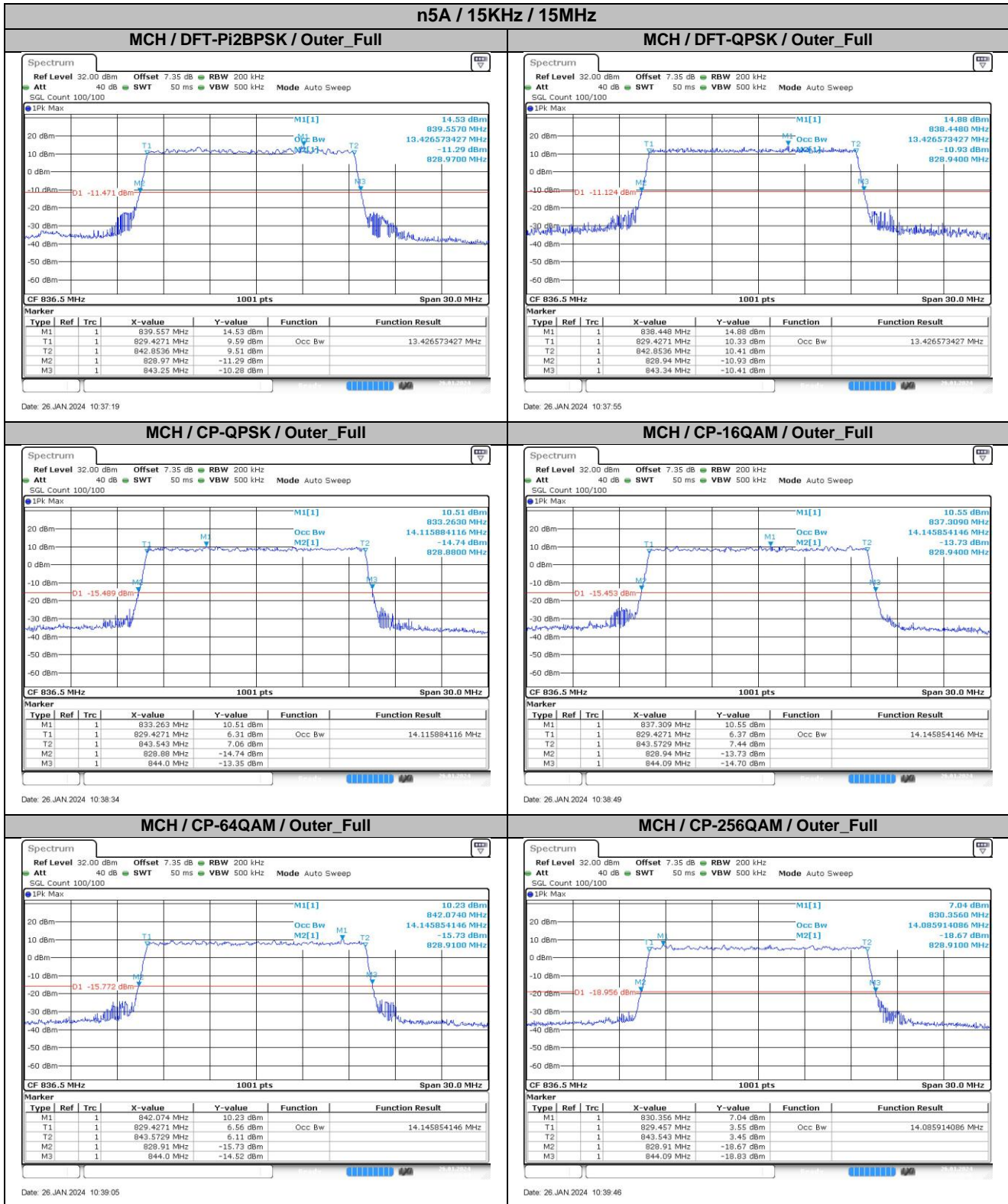
4.1. Test Results

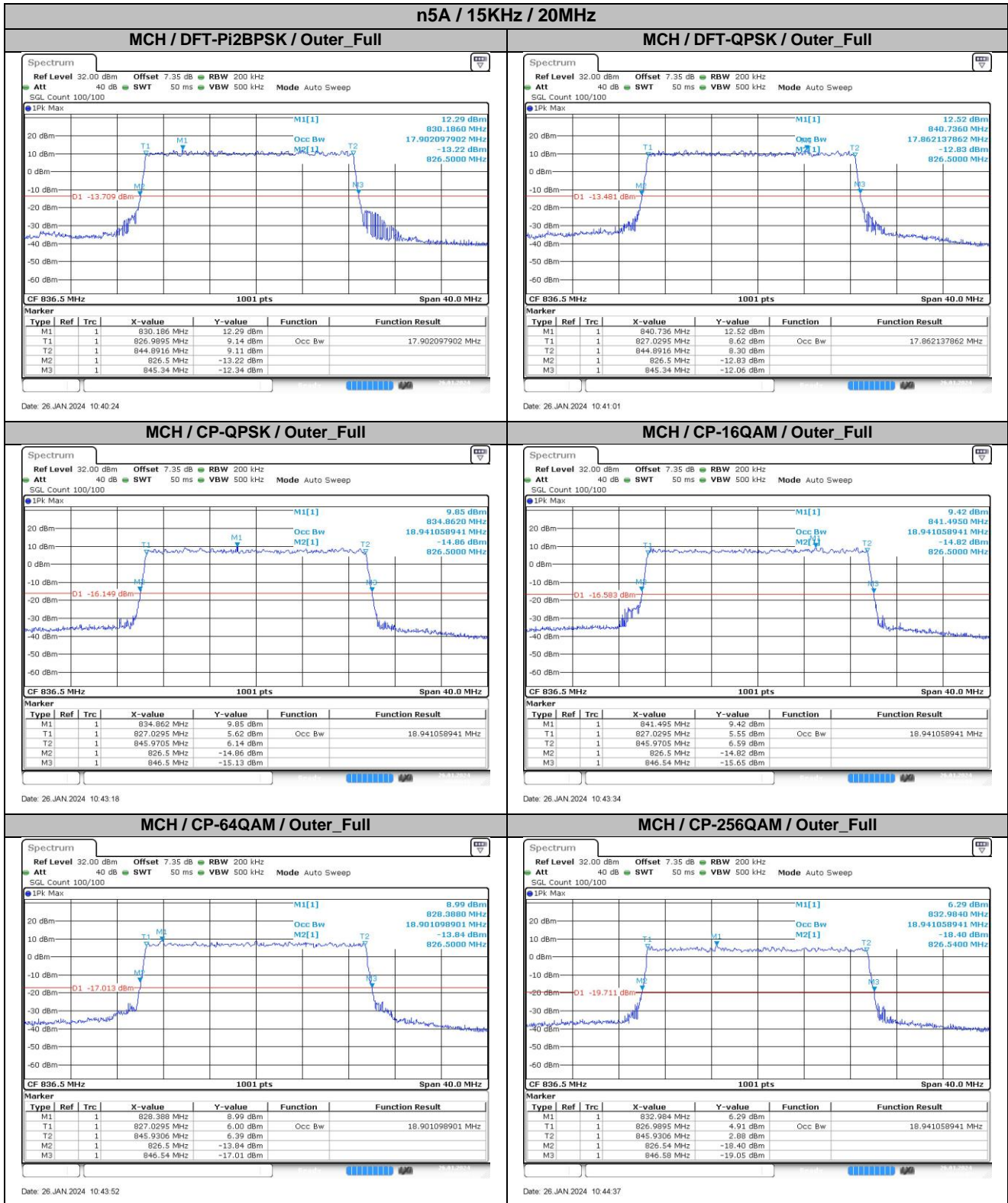
SCS	Bandwidth	Modulation	RB Config	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.48	4.97	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.48	4.90	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.49	5.17	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.50	5.19	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.49	5.15	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.48	5.16	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.93	9.64	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.93	9.74	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.29	10.16	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.27	10.04	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.29	9.98	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.29	10.14	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.43	14.28	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.43	14.40	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.12	15.12	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.15	15.15	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.15	15.09	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.09	15.18	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.90	18.84	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.86	18.84	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.94	20.00	Pass
15KHz	20MHz	CP-16QAM	Outer_Full	18.94	20.04	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	18.90	20.04	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	18.94	20.04	Pass
15KHz	25MHz	DFT-Pi2BPSK	Outer_Full	22.88	23.95	Pass
15KHz	25MHz	DFT-QPSK	Outer_Full	22.88	24.05	Pass
15KHz	25MHz	CP-QPSK	Outer_Full	23.73	25.00	Pass
15KHz	25MHz	CP-16QAM	Outer_Full	23.73	25.00	Pass
15KHz	25MHz	CP-64QAM	Outer_Full	23.78	25.05	Pass
15KHz	25MHz	CP-256QAM	Outer_Full	23.73	24.95	Pass

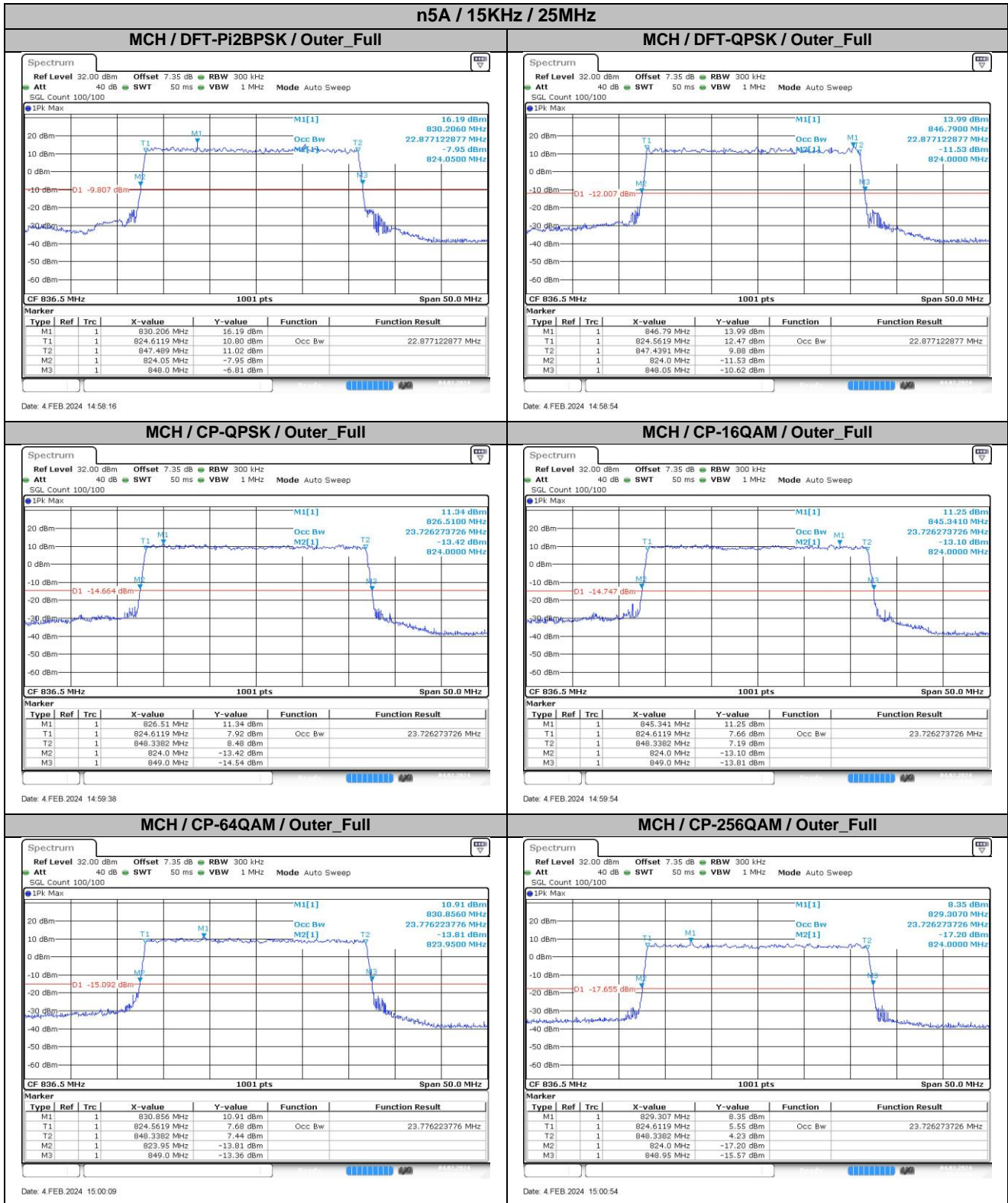
4.2. Test Plots





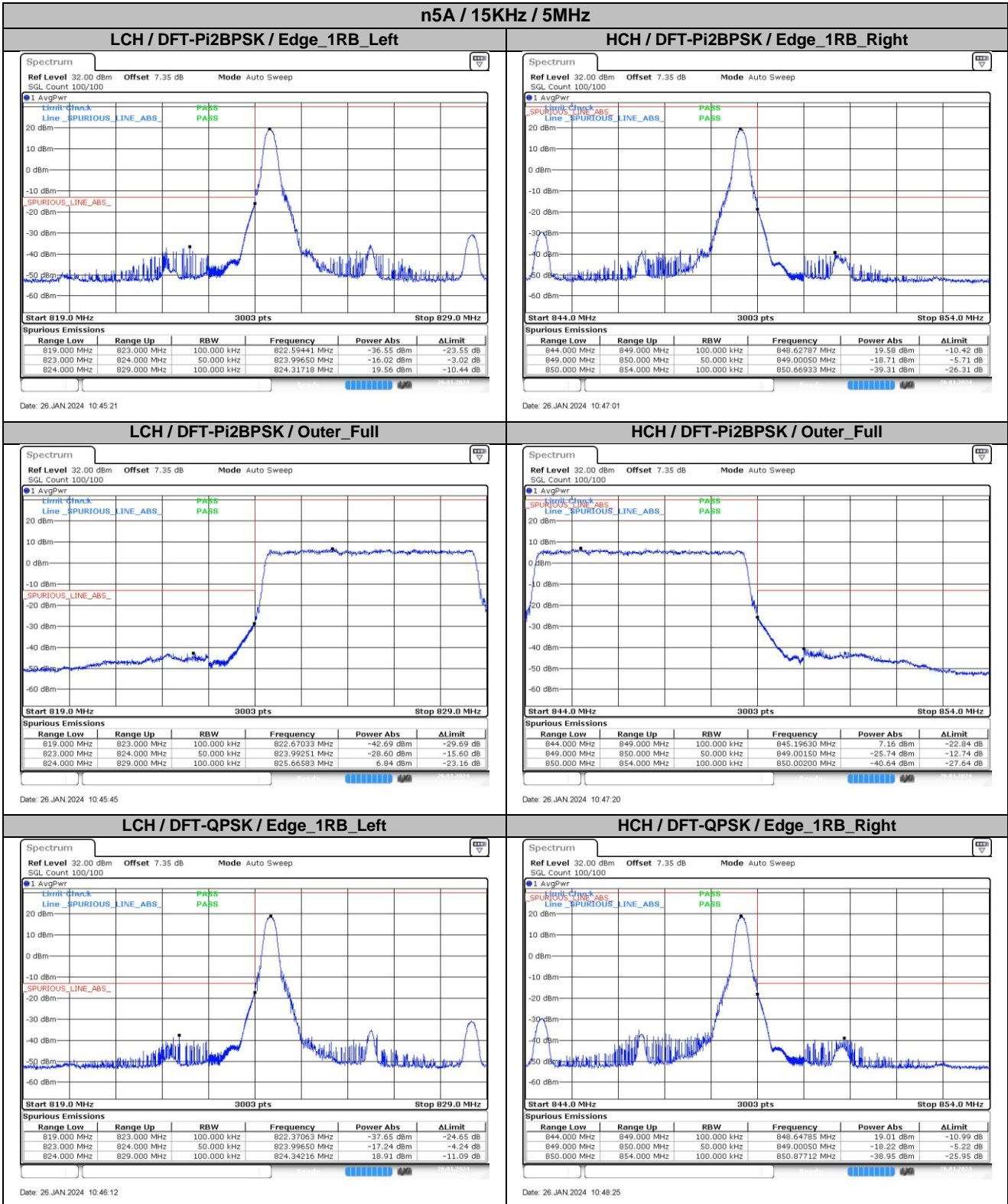


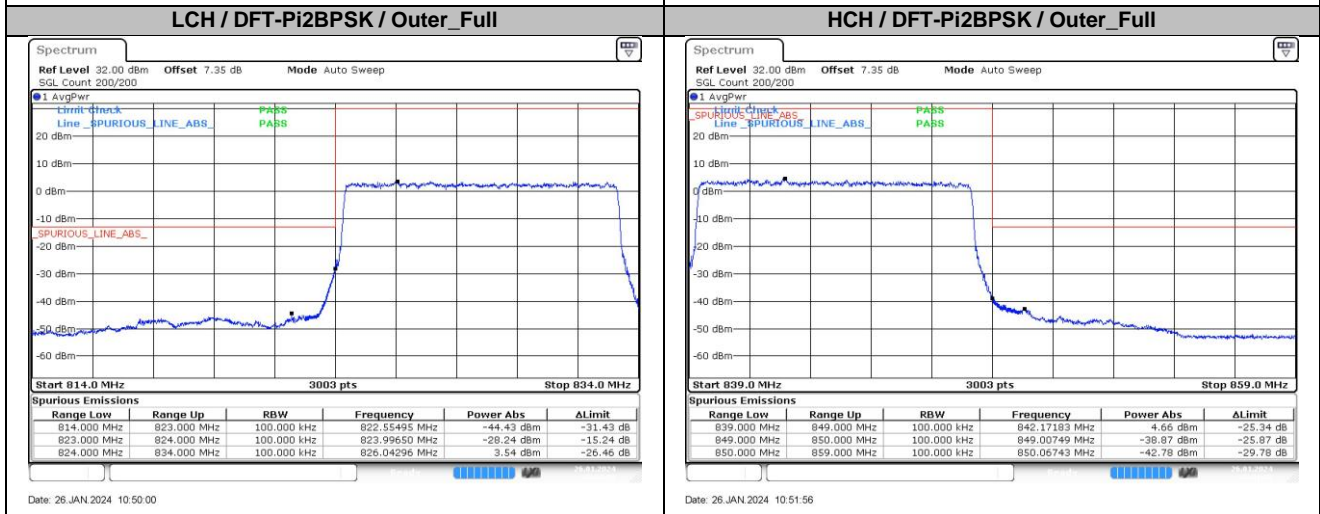
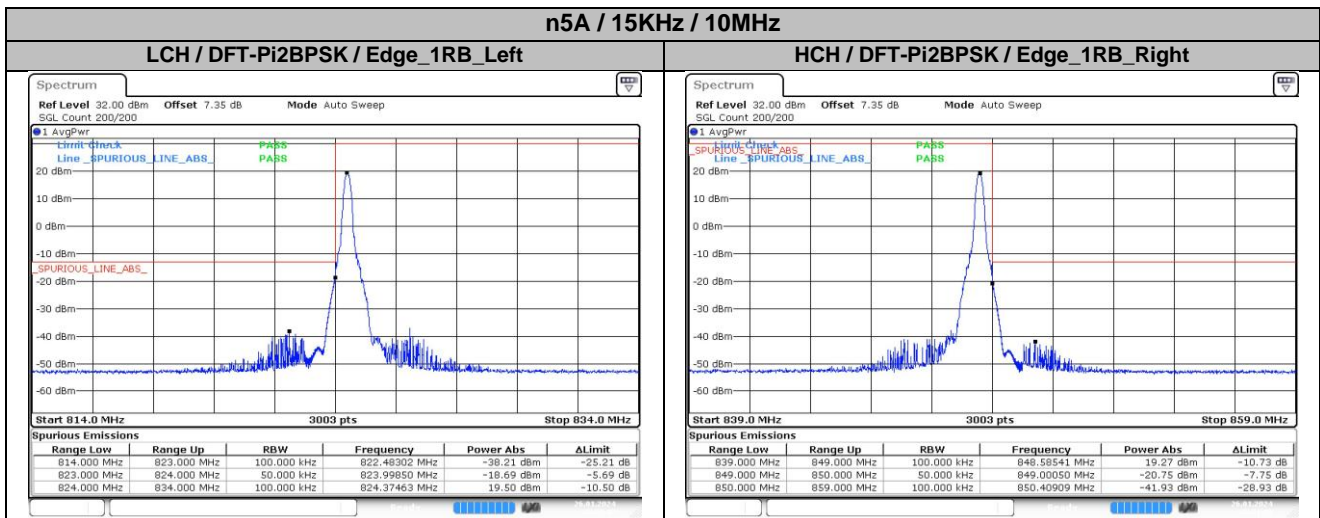
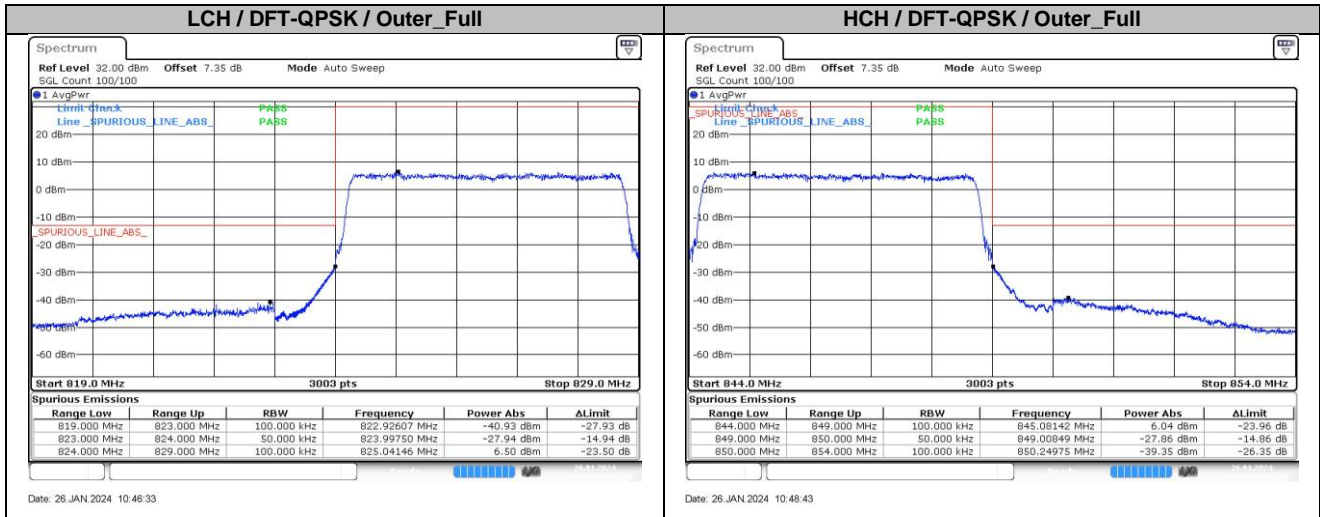


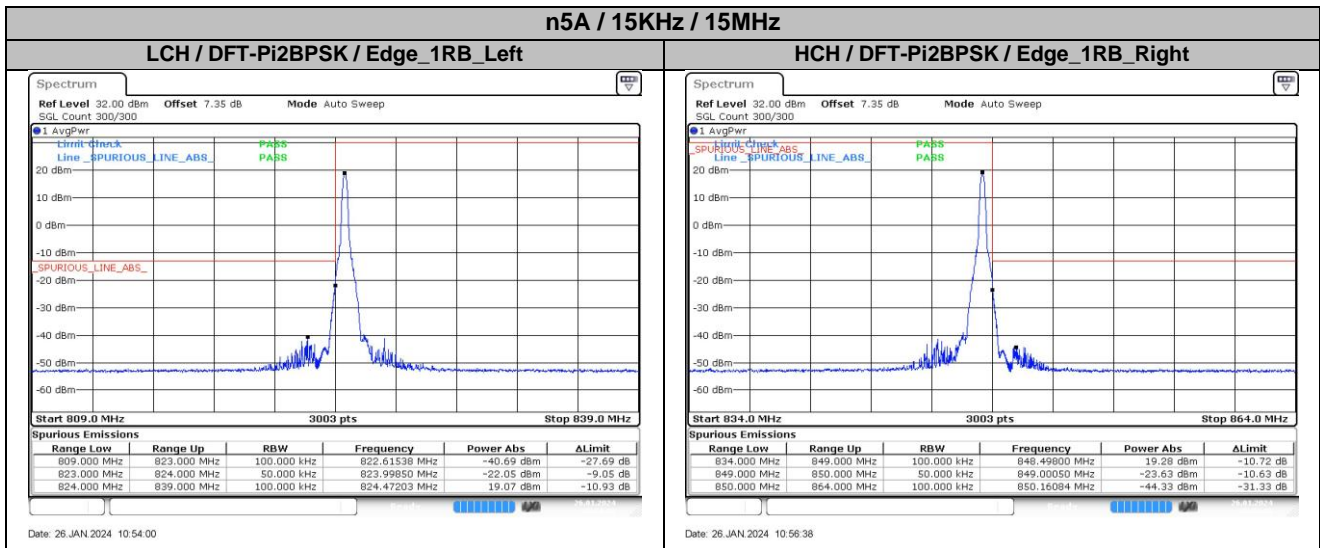
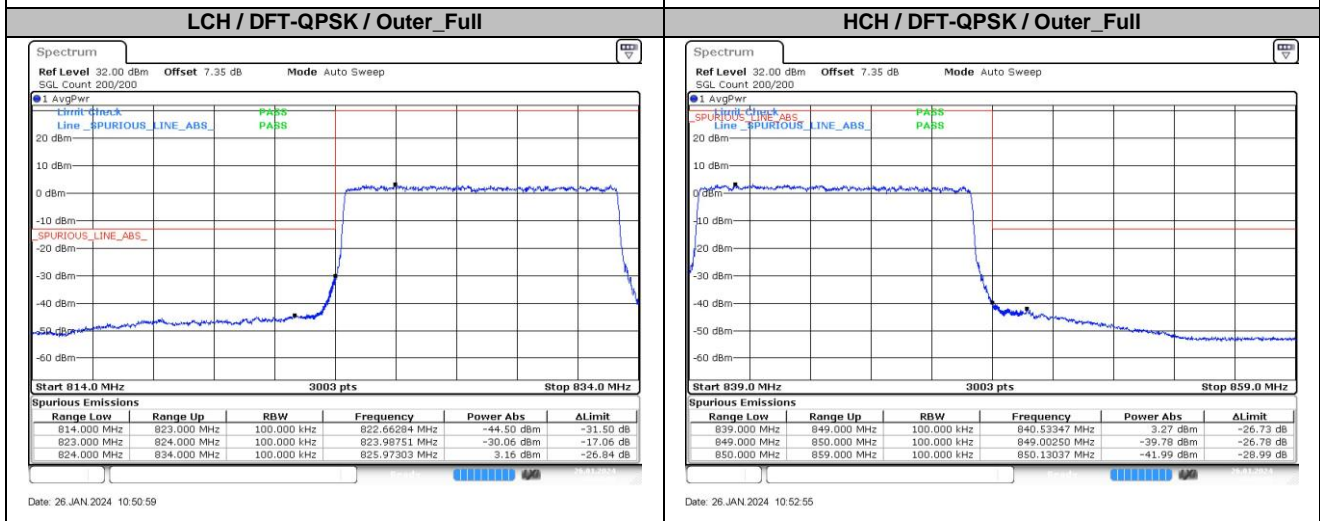
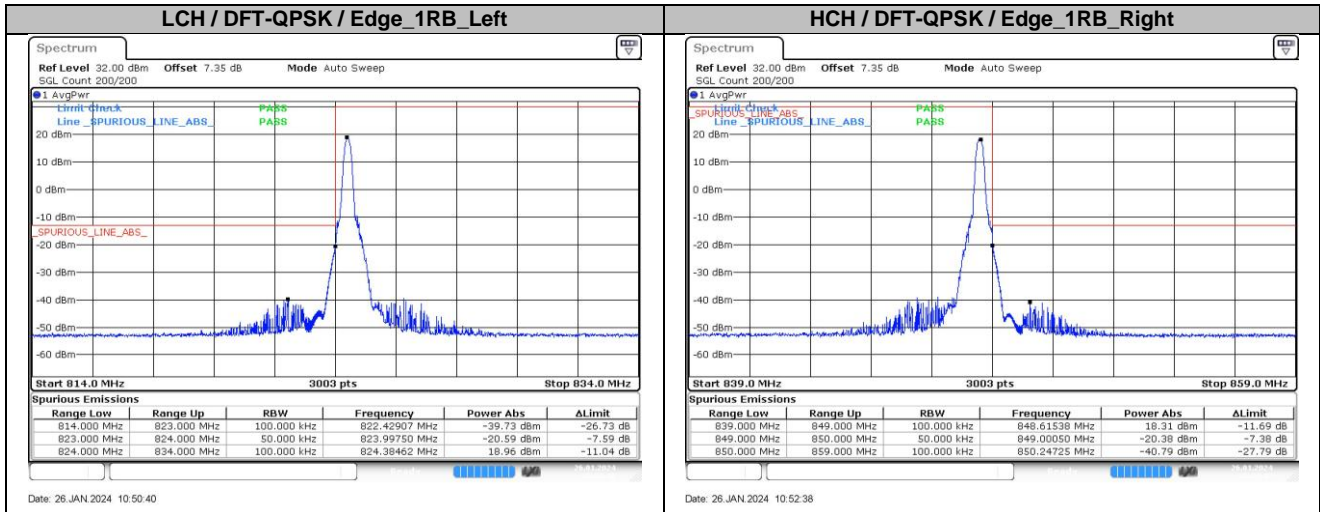


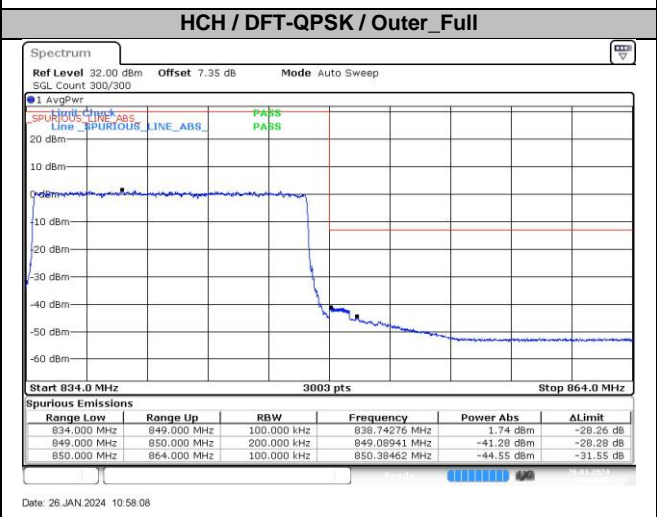
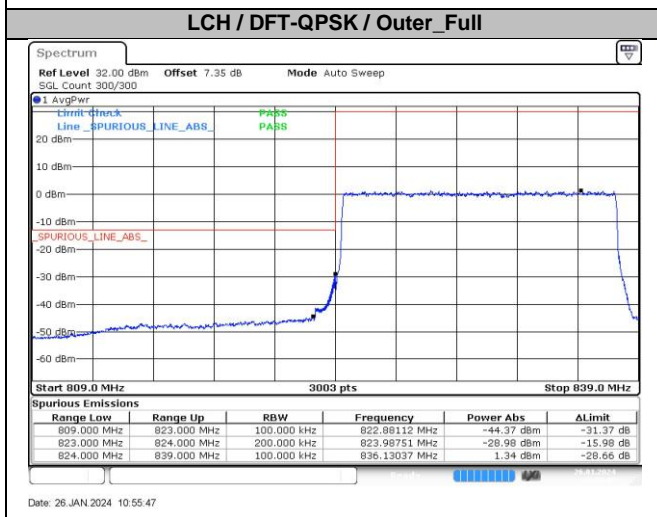
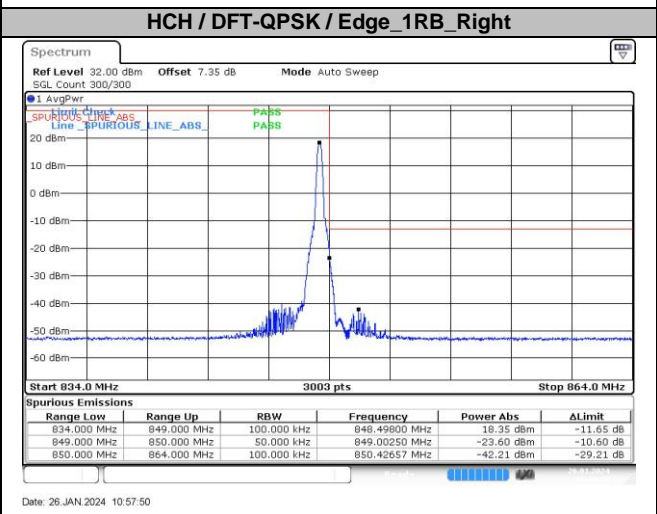
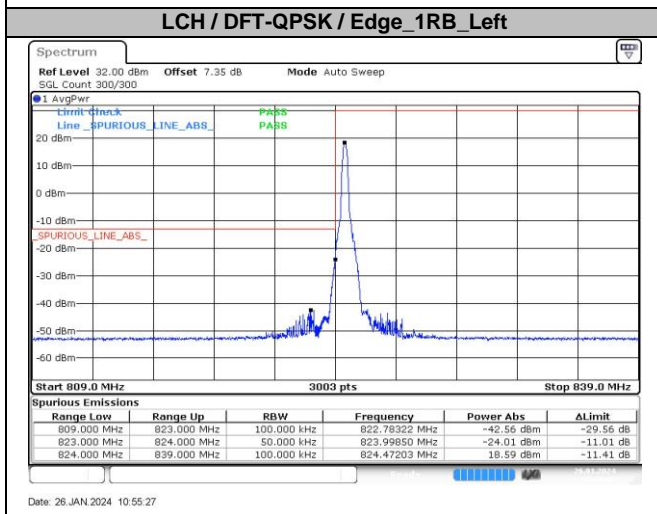
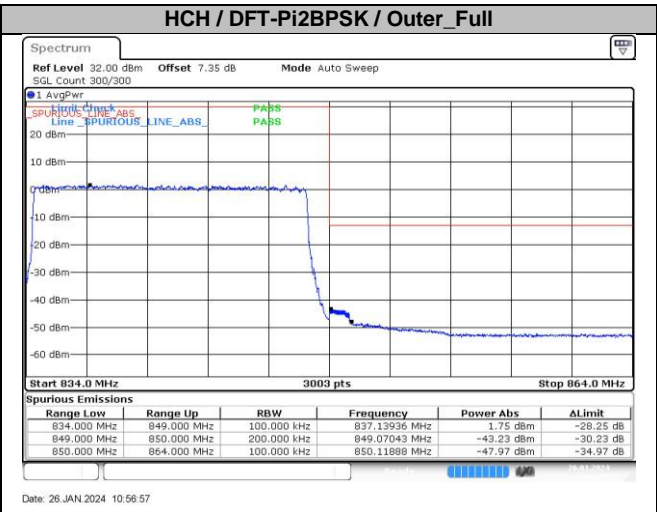
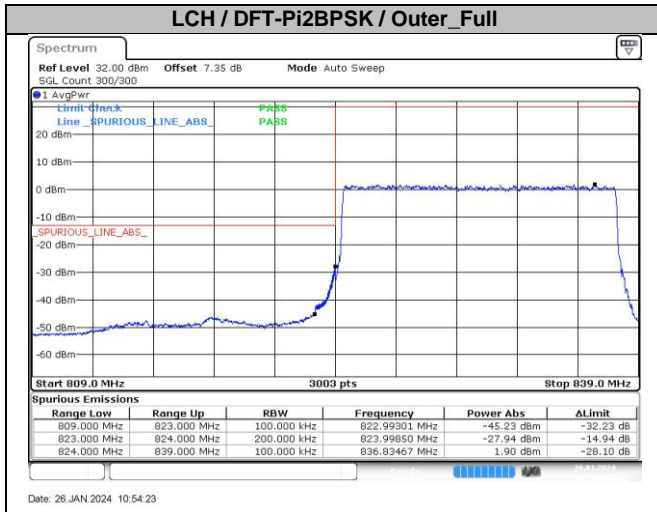
5. Conducted Band Edges

5.1. Test Plots



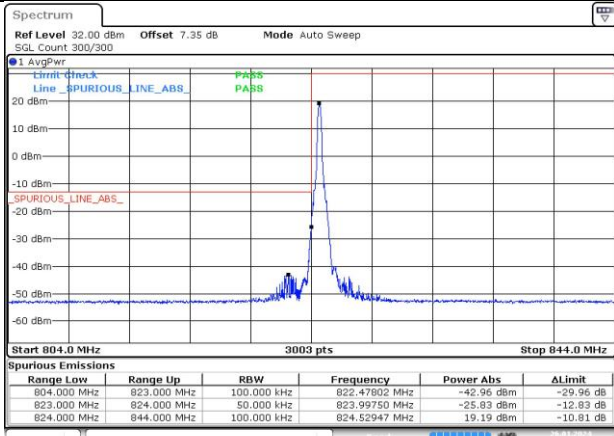






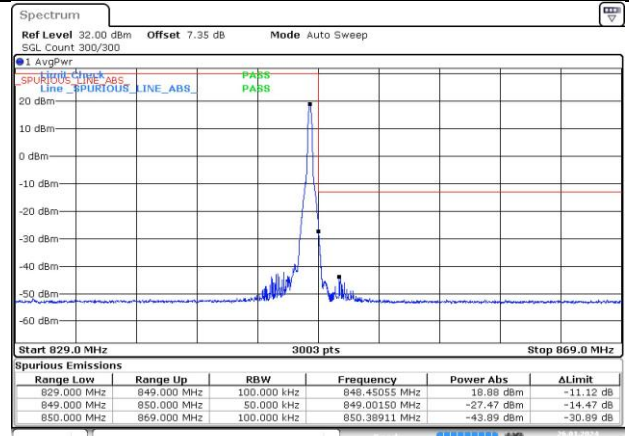
n5A / 15KHz / 20MHz

LCH / DFT-Pi2BPSK / Edge_1RB_Left



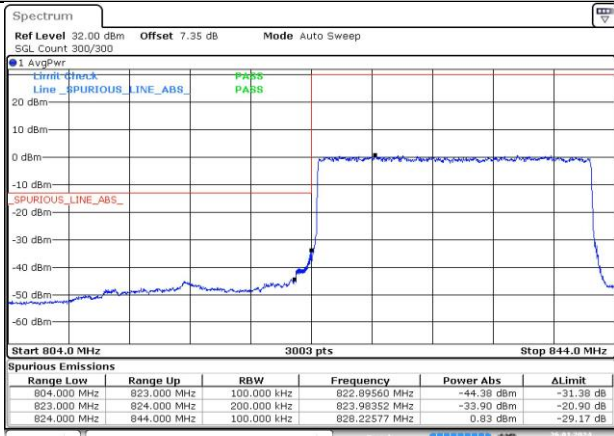
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HCH / DFT-Pi2BPSK / Edge_1RB_Right



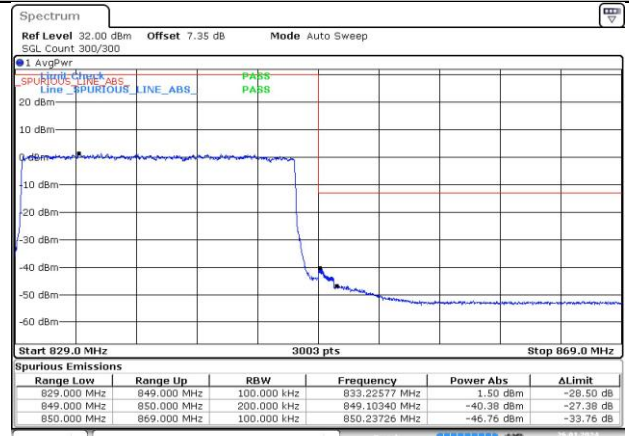
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LCH / DFT-Pi2BPSK / Outer_Full



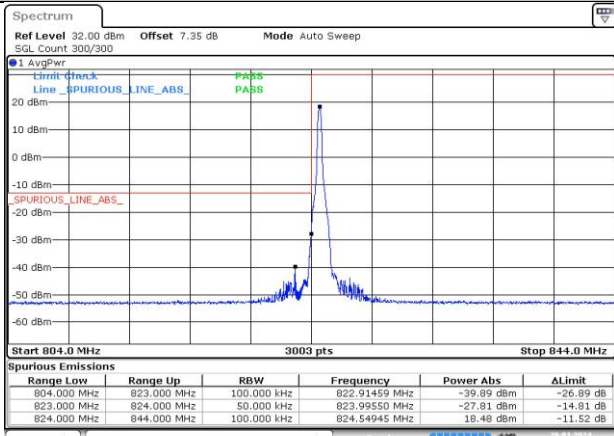
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HCH / DFT-Pi2BPSK / Outer_Full



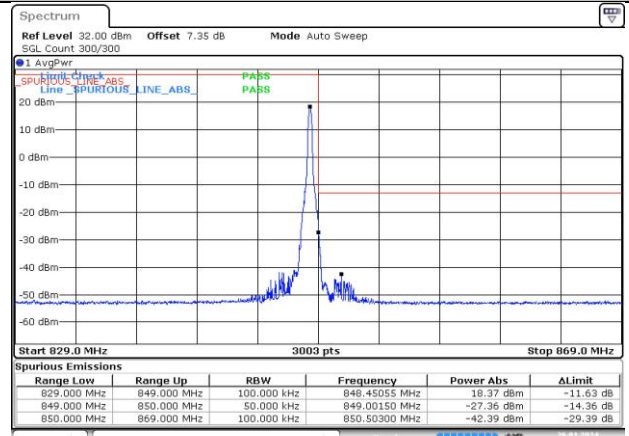
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LCH / DFT-QPSK / Edge_1RB_Left



Date: 26 JAN 2024 11:00:43

HCH / DFT-QPSK / Edge_1RB_Right



Date: 26 JAN 2024 11:03:09

