

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

Catalogue

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1. Effective Radiated Power

1.1. Test Results @ Ant0 (Antenna Gain=-6.50dBi)

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	22.74	22.65	22.68	14.09	38.45	Pass
15KHz	5MHz	LCH	DFT-QPSK	22.79	22.69	22.65	14.14	38.45	Pass
15KHz	5MHz	LCH	DFT-16QAM	22.00	21.80	21.78	13.35	38.45	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.58	20.50	20.31	11.93	38.45	Pass
15KHz	5MHz	LCH	DFT-256QAM	17.80	17.75	18.26	9.61	38.45	Pass
15KHz	5MHz	LCH	CP-QPSK	21.32	21.22	21.42	12.77	38.45	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	22.56	22.58	22.56	13.93	38.45	Pass
15KHz	5MHz	MCH	DFT-QPSK	22.63	22.54	22.57	13.98	38.45	Pass
15KHz	5MHz	MCH	DFT-16QAM	21.61	21.75	21.78	13.13	38.45	Pass
15KHz	5MHz	MCH	DFT-64QAM	20.38	20.44	20.19	11.79	38.45	Pass
15KHz	5MHz	MCH	DFT-256QAM	17.71	17.67	18.16	9.51	38.45	Pass
15KHz	5MHz	MCH	CP-QPSK	21.16	21.18	21.19	12.54	38.45	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	22.58	22.57	22.51	13.93	38.45	Pass
15KHz	5MHz	HCH	DFT-QPSK	22.55	22.56	22.53	13.91	38.45	Pass
15KHz	5MHz	HCH	DFT-16QAM	21.73	21.63	21.76	13.11	38.45	Pass
15KHz	5MHz	HCH	DFT-64QAM	20.34	20.40	20.21	11.75	38.45	Pass
15KHz	5MHz	HCH	DFT-256QAM	17.59	17.62	18.09	9.44	38.45	Pass
15KHz	5MHz	HCH	CP-QPSK	21.12	21.10	21.24	12.59	38.45	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	22.72	22.58	22.69	14.07	38.45	Pass
15KHz	10MHz	LCH	DFT-QPSK	22.73	22.55	22.66	14.08	38.45	Pass
15KHz	10MHz	LCH	DFT-16QAM	21.85	21.62	21.80	13.20	38.45	Pass
15KHz	10MHz	LCH	DFT-64QAM	20.55	20.36	20.31	11.90	38.45	Pass
15KHz	10MHz	LCH	DFT-256QAM	17.78	17.61	18.18	9.53	38.45	Pass
15KHz	10MHz	LCH	CP-QPSK	21.33	21.10	21.27	12.68	38.45	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	22.48	22.50	22.61	13.96	38.45	Pass
15KHz	10MHz	MCH	DFT-QPSK	22.52	22.50	22.64	13.99	38.45	Pass
15KHz	10MHz	MCH	DFT-16QAM	21.68	21.76	21.73	13.11	38.45	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.34	20.38	20.28	11.73	38.45	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.22	18.20	18.08	9.57	38.45	Pass
15KHz	10MHz	MCH	CP-QPSK	20.79	20.71	20.84	12.19	38.45	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	22.48	22.33	22.34	13.83	38.45	Pass
15KHz	10MHz	HCH	DFT-QPSK	22.18	22.11	22.28	13.63	38.45	Pass
15KHz	10MHz	HCH	DFT-16QAM	21.65	21.54	21.46	13.00	38.45	Pass
15KHz	10MHz	HCH	DFT-64QAM	20.14	20.06	19.85	11.49	38.45	Pass
15KHz	10MHz	HCH	DFT-256QAM	17.57	17.50	17.79	9.14	38.45	Pass
15KHz	10MHz	HCH	CP-QPSK	20.76	20.85	20.87	12.22	38.45	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	22.60	22.47	22.36	13.95	38.45	Pass
15KHz	15MHz	LCH	DFT-QPSK	22.57	22.39	22.41	13.92	38.45	Pass
15KHz	15MHz	LCH	DFT-16QAM	21.94	21.84	21.49	13.29	38.45	Pass
15KHz	15MHz	LCH	DFT-64QAM	20.41	20.28	19.98	11.76	38.45	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.35	18.23	18.00	9.70	38.45	Pass
15KHz	15MHz	LCH	CP-QPSK	20.91	21.24	21.05	12.59	38.45	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	22.81	22.58	22.37	14.16	38.45	Pass
15KHz	15MHz	MCH	DFT-QPSK	22.63	22.49	22.36	13.98	38.45	Pass
15KHz	15MHz	MCH	DFT-16QAM	22.13	21.99	21.47	13.48	38.45	Pass
15KHz	15MHz	MCH	DFT-64QAM	20.60	20.51	19.99	11.95	38.45	Pass
15KHz	15MHz	MCH	DFT-256QAM	18.56	18.21	18.00	9.91	38.45	Pass
15KHz	15MHz	MCH	CP-QPSK	21.06	20.82	20.91	12.41	38.45	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	22.43	22.33	22.26	13.78	38.45	Pass
15KHz	15MHz	HCH	DFT-QPSK	22.29	22.18	22.35	13.70	38.45	Pass
15KHz	15MHz	HCH	DFT-16QAM	21.70	21.61	21.44	13.05	38.45	Pass
15KHz	15MHz	HCH	DFT-64QAM	19.72	19.57	19.84	11.19	38.45	Pass
15KHz	15MHz	HCH	DFT-256QAM	18.23	18.07	17.87	9.58	38.45	Pass
15KHz	15MHz	HCH	CP-QPSK	21.02	20.99	20.78	12.37	38.45	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	22.48	22.24	22.40	13.83	38.45	Pass
15KHz	20MHz	LCH	DFT-QPSK	22.74	22.52	22.47	14.09	38.45	Pass
15KHz	20MHz	LCH	DFT-16QAM	21.84	21.67	21.57	13.19	38.45	Pass
15KHz	20MHz	LCH	DFT-64QAM	19.84	19.64	20.05	11.40	38.45	Pass

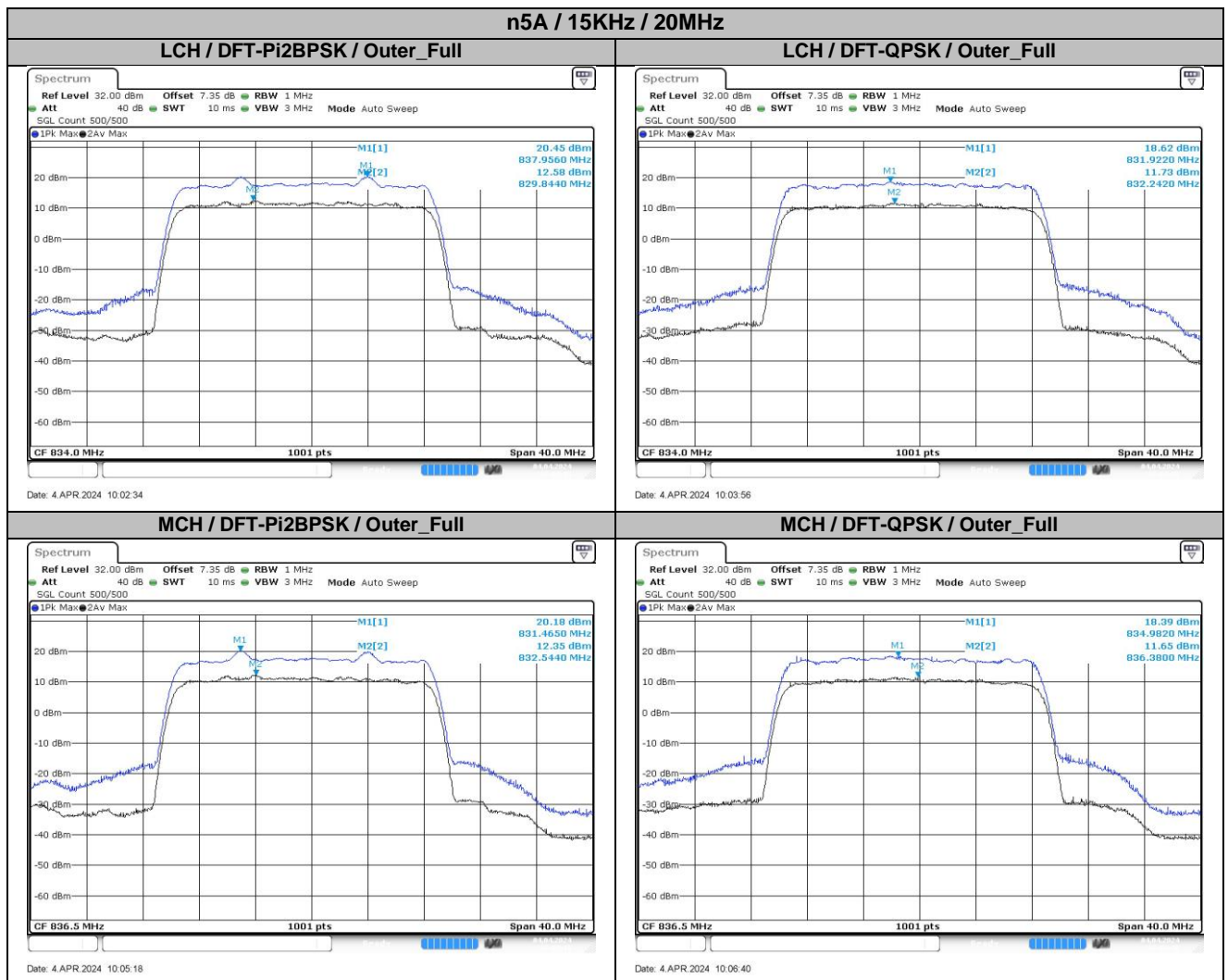
15KHz	20MHz	LCH	DFT-256QAM	18.45	18.10	18.12	9.80	38.45	Pass
15KHz	20MHz	LCH	CP-QPSK	21.22	21.09	21.13	12.57	38.45	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	22.31	22.09	22.37	13.72	38.45	Pass
15KHz	20MHz	MCH	DFT-QPSK	22.63	22.27	22.45	13.98	38.45	Pass
15KHz	20MHz	MCH	DFT-16QAM	21.64	21.45	21.51	12.99	38.45	Pass
15KHz	20MHz	MCH	DFT-64QAM	20.31	20.11	19.94	11.66	38.45	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.49	18.28	17.95	9.84	38.45	Pass
15KHz	20MHz	MCH	CP-QPSK	20.90	20.71	20.93	12.28	38.45	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	22.37	22.27	22.31	13.72	38.45	Pass
15KHz	20MHz	HCH	DFT-QPSK	22.56	22.38	22.39	13.91	38.45	Pass
15KHz	20MHz	HCH	DFT-16QAM	21.91	21.79	21.44	13.26	38.45	Pass
15KHz	20MHz	HCH	DFT-64QAM	20.35	20.20	19.89	11.70	38.45	Pass
15KHz	20MHz	HCH	DFT-256QAM	18.01	17.81	17.94	9.36	38.45	Pass
15KHz	20MHz	HCH	CP-QPSK	21.10	20.93	20.92	12.45	38.45	Pass

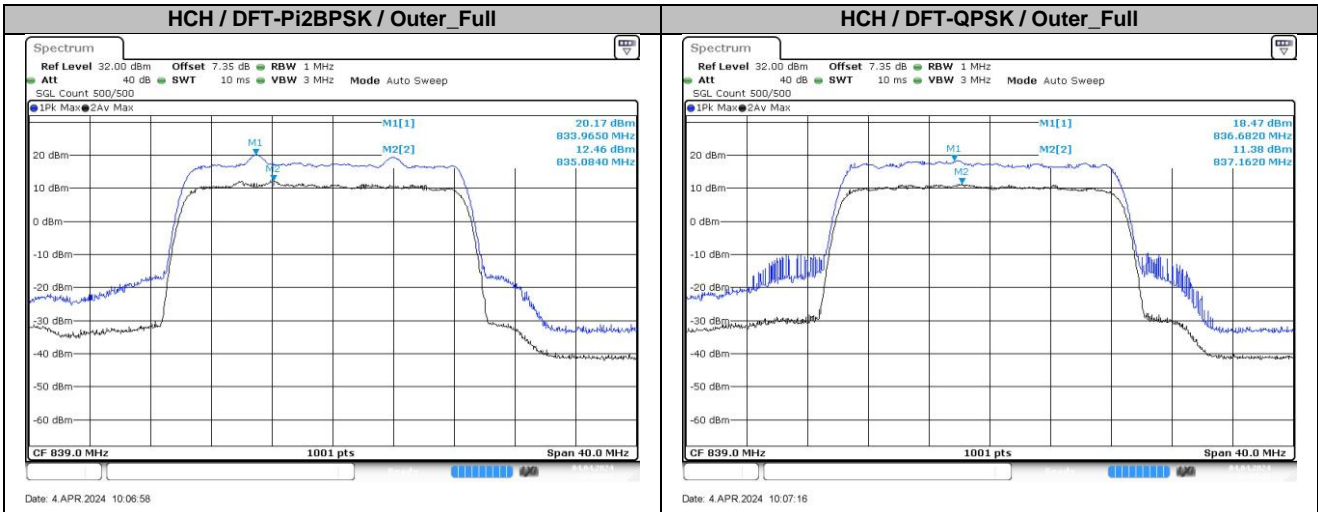
2. Peak-to-Average Ratio

2.1. Test Results

SCS	Bandwidth	Channel	Modulation	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	20MHz	LCH	Outer_Full	7.87	6.90	13.00	Pass
15KHz	20MHz	MCH	Outer_Full	7.84	6.75	13.00	Pass
15KHz	20MHz	HCH	Outer_Full	7.71	7.09	13.00	Pass

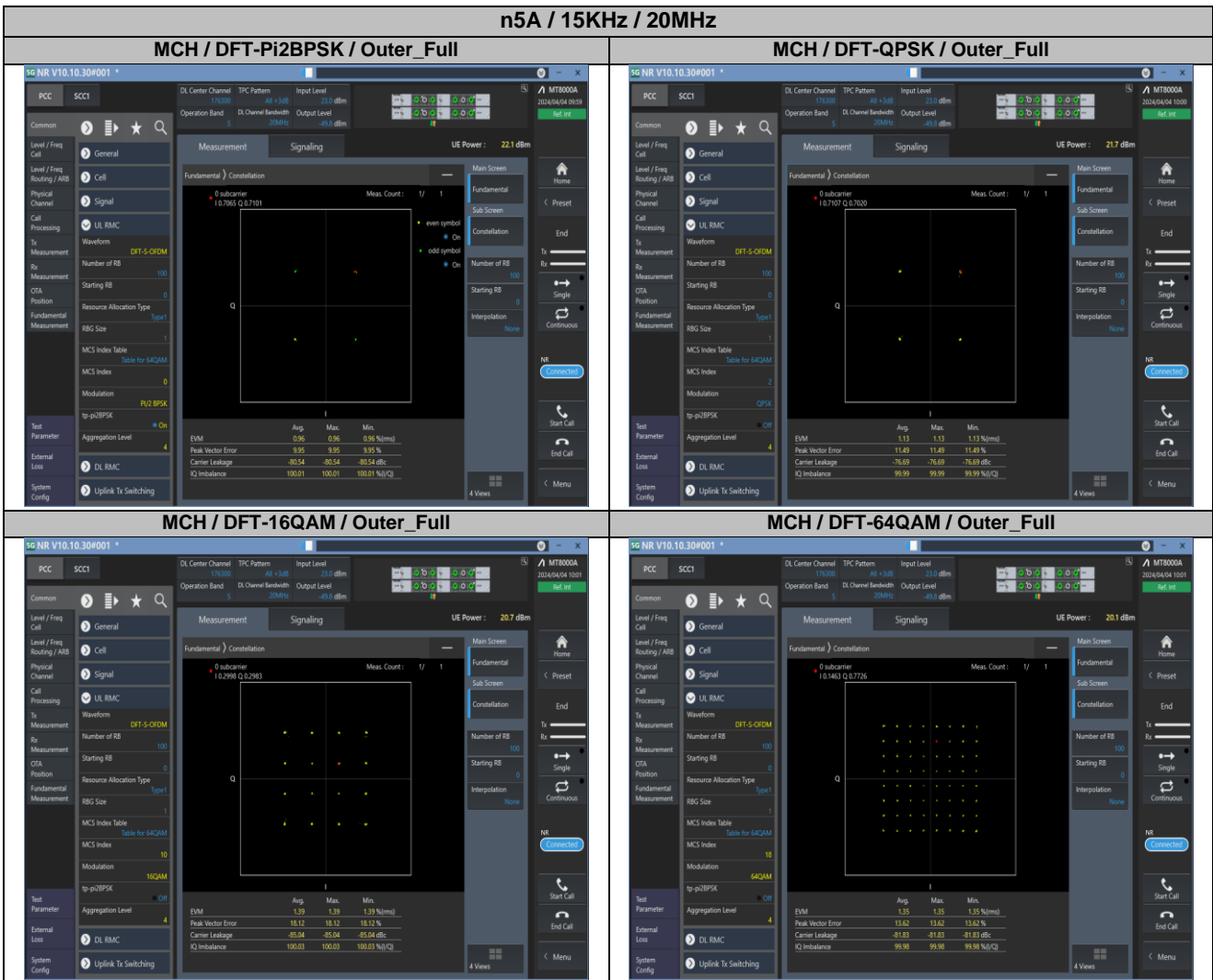
2.2. Test Plots

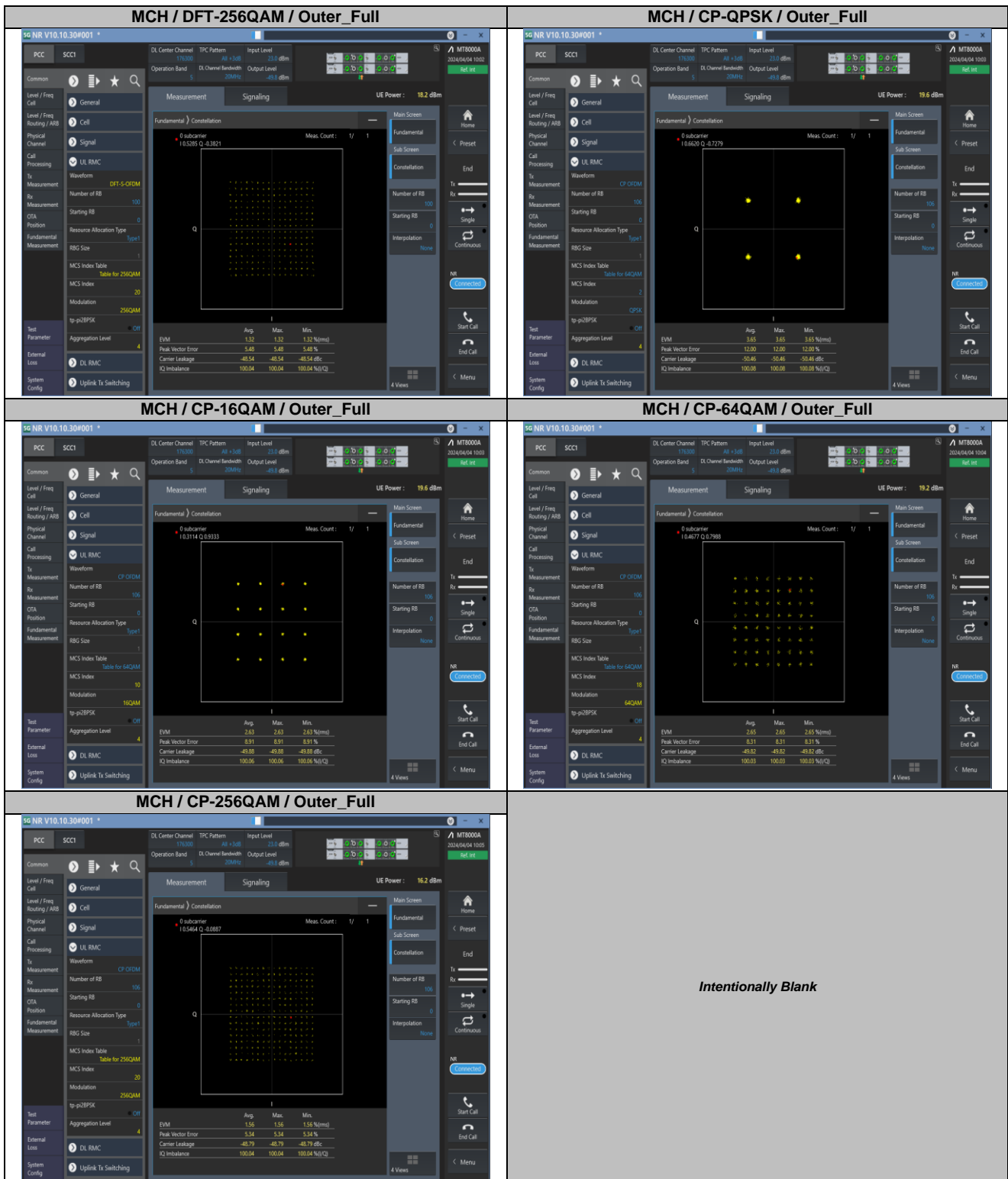




3. Modulation Characteristics

3.1. Test Plots



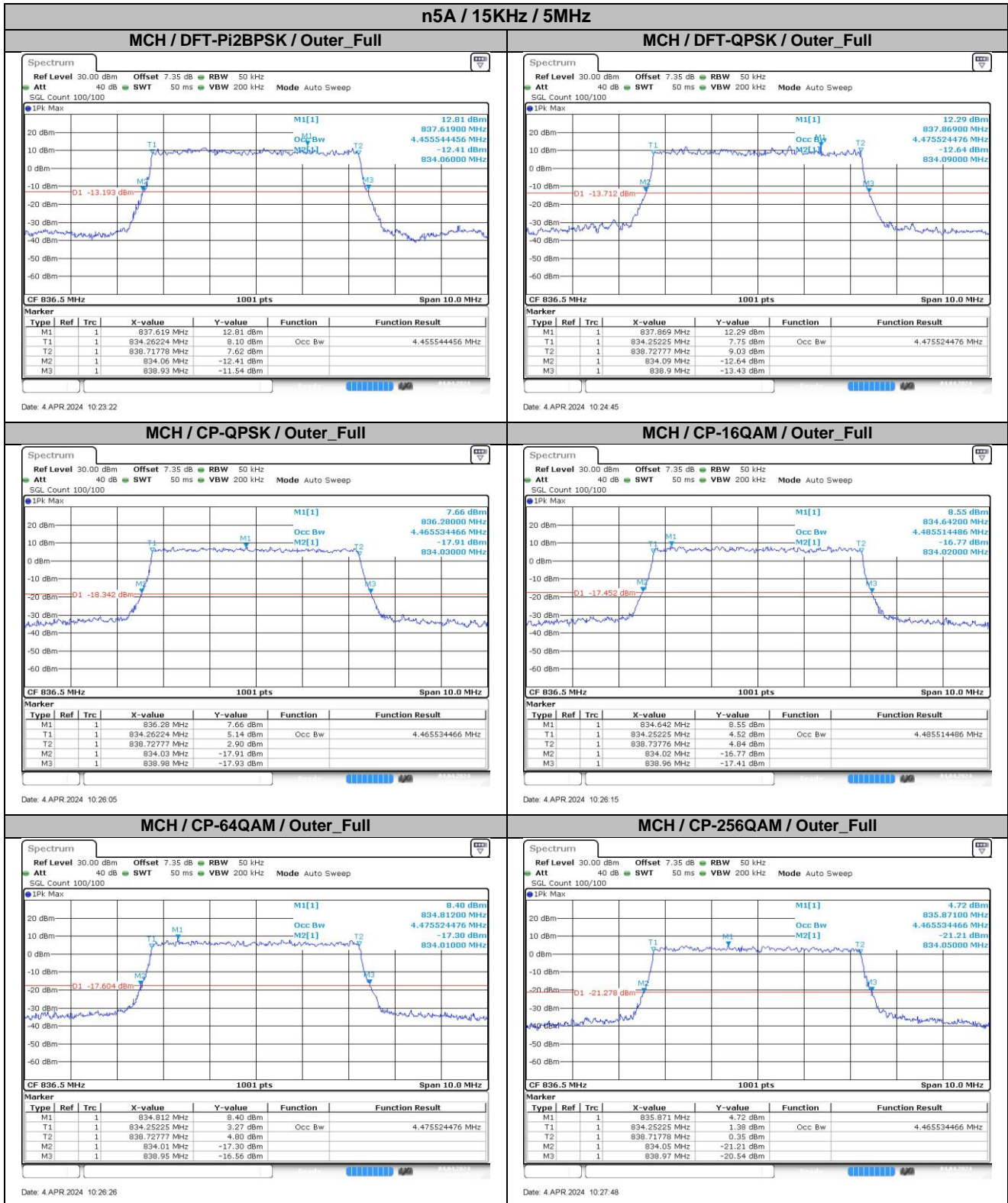


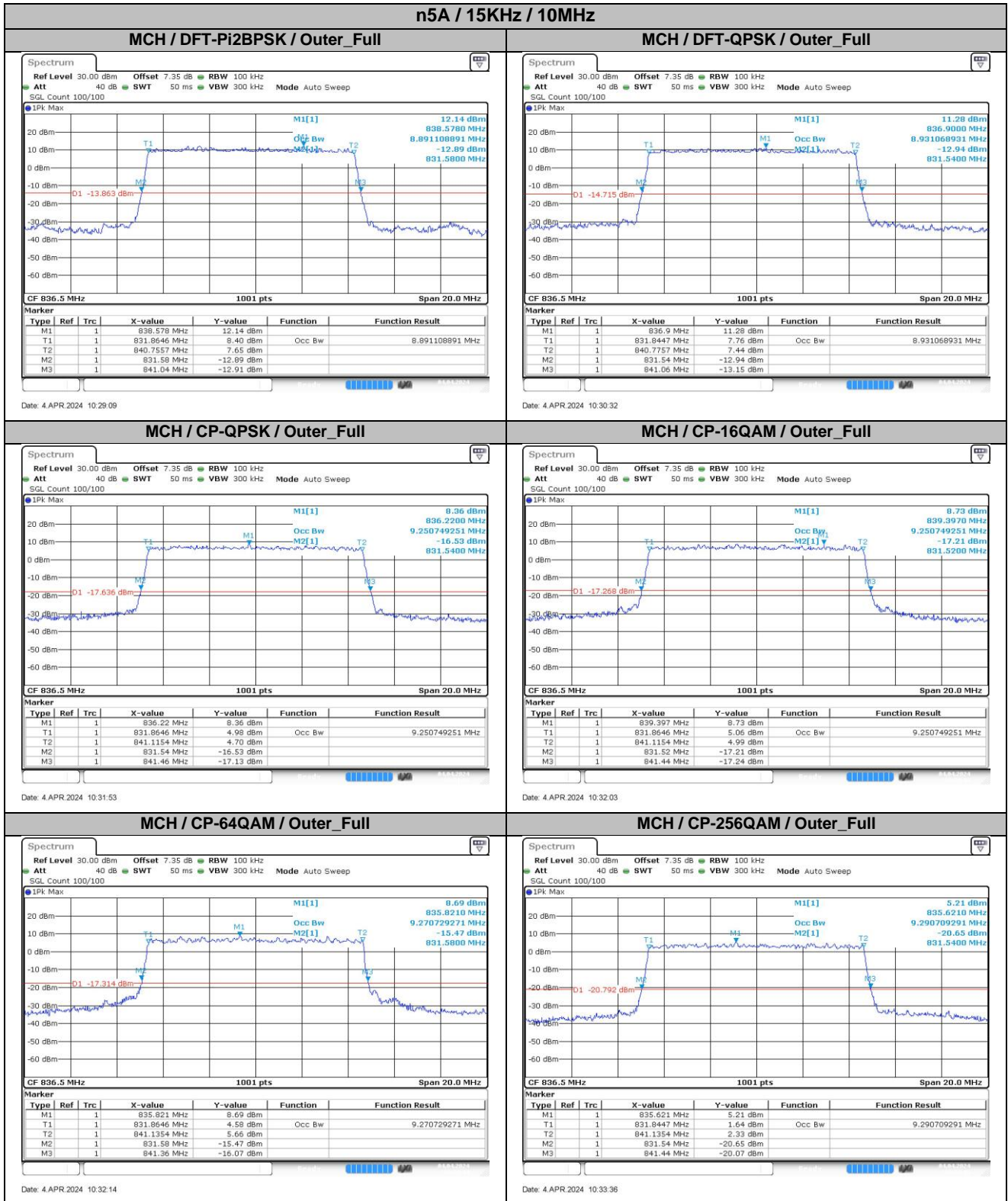
4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

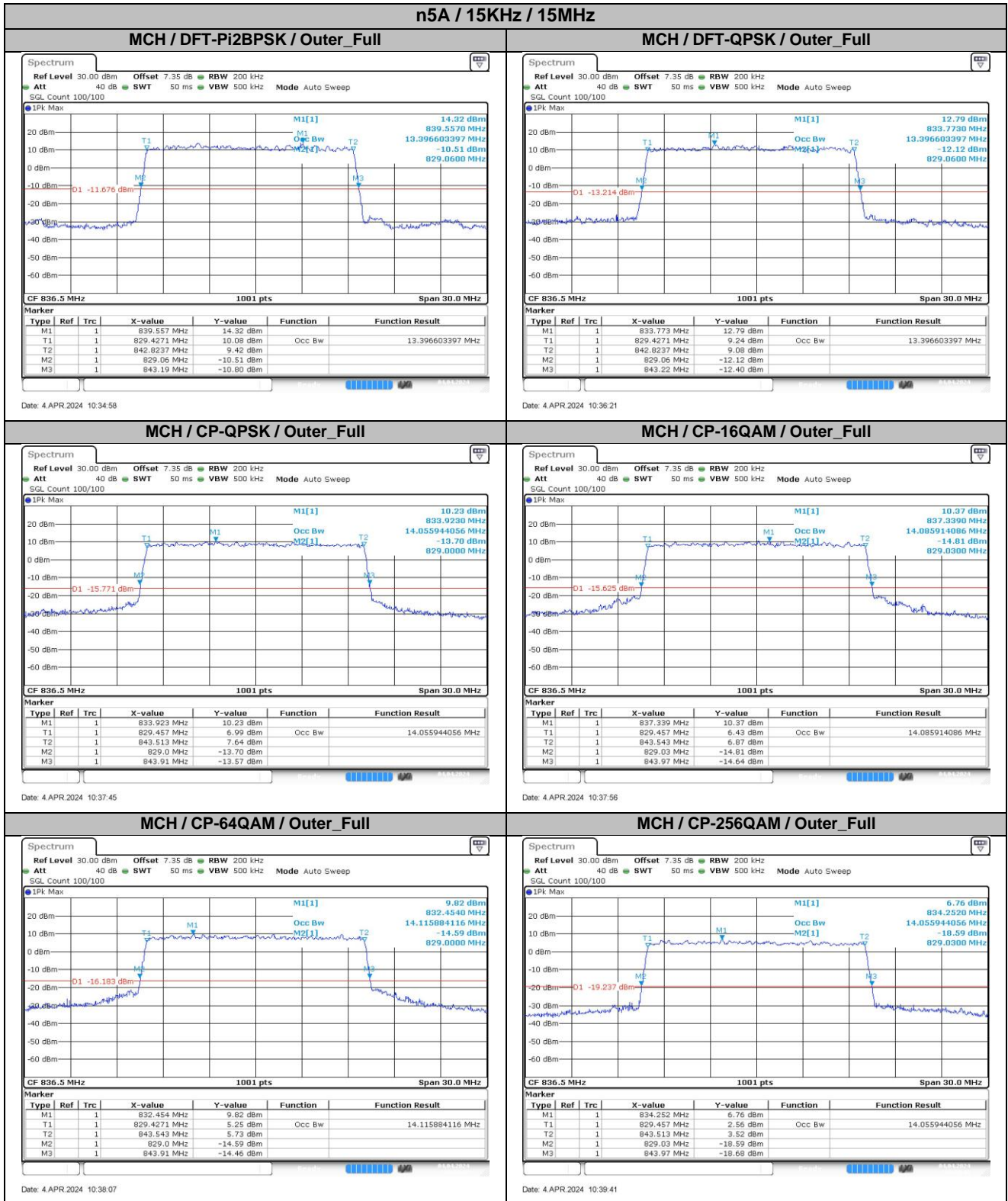
4.1. Test Results

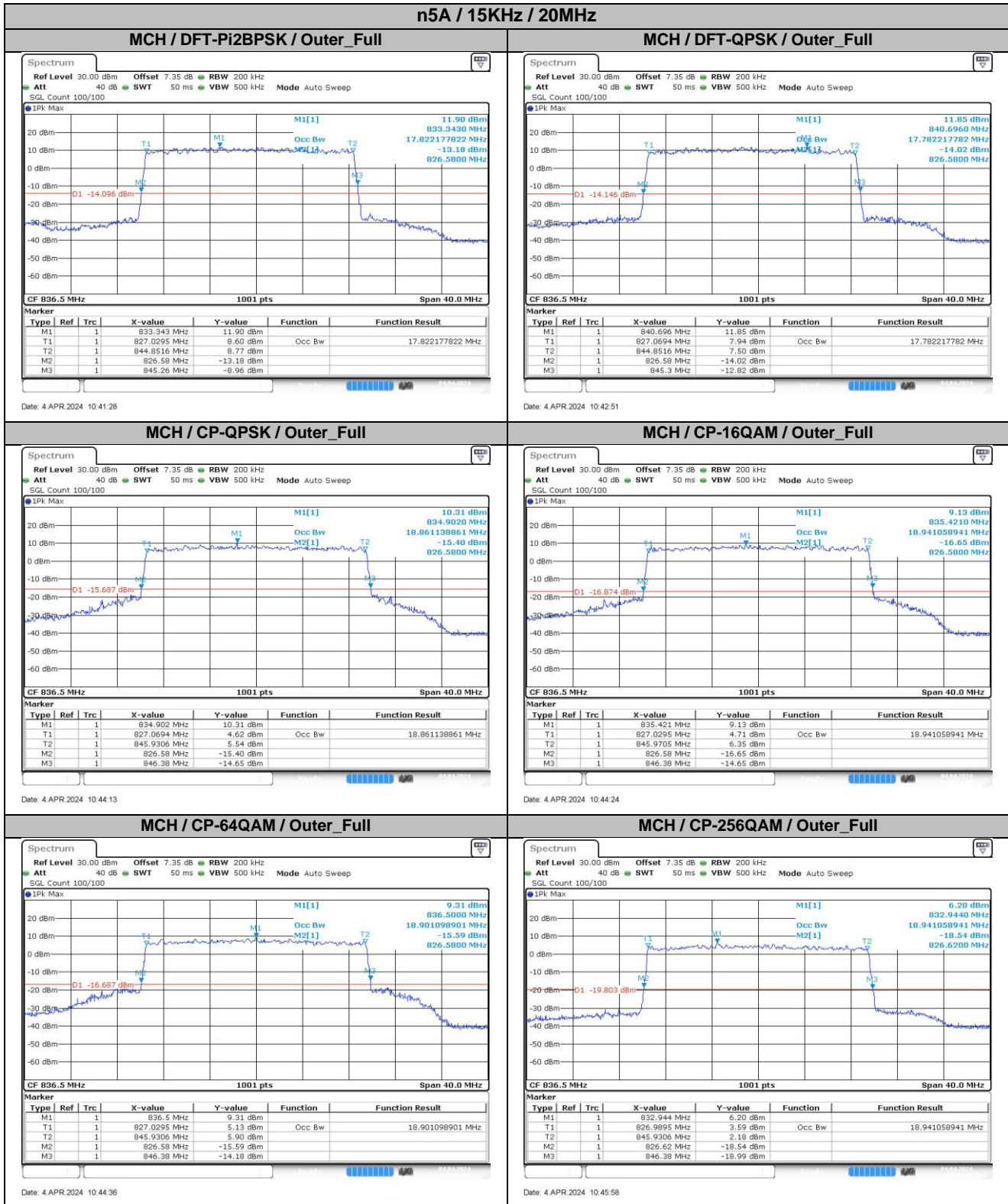
SCS	Bandwidth	Modulation	RB Config	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.46	4.87	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.48	4.81	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.47	4.95	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.49	4.94	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.48	4.94	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.47	4.92	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.89	9.46	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.93	9.52	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.25	9.92	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.25	9.92	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.27	9.78	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.29	9.90	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.40	14.13	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.40	14.16	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.06	14.91	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.09	14.94	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.12	14.91	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.06	14.94	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.82	18.68	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.78	18.72	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.86	19.80	Pass
15KHz	20MHz	CP-16QAM	Outer_Full	18.94	19.80	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	18.90	19.80	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	18.94	19.76	Pass

4.2. Test Plots









5. Conducted Band Edges

5.1. Test Plots

