

**Appendix
for
DC_7A_n26A
(824-849)**

Catalogue

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1. Effective Radiated Power

1.1. Test Results @ Ant0 (Antenna Gain=-6.28dBi)

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	23.19	23.13	23.27	14.84	38.45	Pass
15KHz	5MHz	LCH	DFT-QPSK	23.25	23.14	23.27	14.84	38.45	Pass
15KHz	5MHz	LCH	DFT-16QAM	22.41	22.30	22.30	13.98	38.45	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.67	20.59	20.72	12.29	38.45	Pass
15KHz	5MHz	LCH	DFT-256QAM	18.54	18.52	18.82	10.39	38.45	Pass
15KHz	5MHz	LCH	CP-QPSK	21.49	21.44	21.78	13.35	38.45	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	23.14	23.15	23.21	14.78	38.45	Pass
15KHz	5MHz	MCH	DFT-QPSK	23.11	23.17	23.19	14.76	38.45	Pass
15KHz	5MHz	MCH	DFT-16QAM	22.32	22.35	22.21	13.92	38.45	Pass
15KHz	5MHz	MCH	DFT-64QAM	20.60	20.62	20.70	12.27	38.45	Pass
15KHz	5MHz	MCH	DFT-256QAM	18.50	18.48	18.70	10.27	38.45	Pass
15KHz	5MHz	MCH	CP-QPSK	21.38	21.47	21.73	13.30	38.45	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	23.22	23.29	23.35	14.92	38.45	Pass
15KHz	5MHz	HCH	DFT-QPSK	23.23	23.25	23.36	14.93	38.45	Pass
15KHz	5MHz	HCH	DFT-16QAM	22.44	22.49	22.38	14.06	38.45	Pass
15KHz	5MHz	HCH	DFT-64QAM	20.73	20.79	20.83	12.40	38.45	Pass
15KHz	5MHz	HCH	DFT-256QAM	18.55	18.70	18.88	10.45	38.45	Pass
15KHz	5MHz	HCH	CP-QPSK	21.48	21.61	21.93	13.50	38.45	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	23.23	23.21	23.22	14.80	38.45	Pass
15KHz	10MHz	LCH	DFT-QPSK	23.22	23.18	23.24	14.81	38.45	Pass
15KHz	10MHz	LCH	DFT-16QAM	22.42	22.35	22.24	13.99	38.45	Pass
15KHz	10MHz	LCH	DFT-64QAM	20.97	20.95	20.77	12.54	38.45	Pass
15KHz	10MHz	LCH	DFT-256QAM	18.73	18.72	18.71	10.30	38.45	Pass
15KHz	10MHz	LCH	CP-QPSK	21.65	21.57	21.72	13.29	38.45	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	23.16	23.17	23.19	14.76	38.45	Pass
15KHz	10MHz	MCH	DFT-QPSK	23.16	23.16	23.19	14.76	38.45	Pass
15KHz	10MHz	MCH	DFT-16QAM	22.33	22.33	22.19	13.90	38.45	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.91	20.91	20.73	12.48	38.45	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.67	18.71	18.66	10.28	38.45	Pass
15KHz	10MHz	MCH	CP-QPSK	21.57	21.57	21.69	13.26	38.45	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	23.16	23.33	23.26	14.90	38.45	Pass
15KHz	10MHz	HCH	DFT-QPSK	23.13	23.30	23.28	14.87	38.45	Pass
15KHz	10MHz	HCH	DFT-16QAM	22.31	22.46	22.26	14.03	38.45	Pass
15KHz	10MHz	HCH	DFT-64QAM	20.90	21.07	20.82	12.64	38.45	Pass
15KHz	10MHz	HCH	DFT-256QAM	18.70	18.89	18.76	10.46	38.45	Pass
15KHz	10MHz	HCH	CP-QPSK	21.54	21.74	21.78	13.35	38.45	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	23.21	23.20	23.24	14.81	38.45	Pass
15KHz	15MHz	LCH	DFT-QPSK	23.21	23.17	23.22	14.79	38.45	Pass
15KHz	15MHz	LCH	DFT-16QAM	22.37	22.32	22.19	13.94	38.45	Pass
15KHz	15MHz	LCH	DFT-64QAM	20.93	20.95	20.74	12.52	38.45	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.71	18.70	18.71	10.28	38.45	Pass
15KHz	15MHz	LCH	CP-QPSK	21.60	21.64	21.74	13.31	38.45	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	23.13	23.21	23.18	14.78	38.45	Pass
15KHz	15MHz	MCH	DFT-QPSK	23.11	23.21	23.18	14.78	38.45	Pass
15KHz	15MHz	MCH	DFT-16QAM	22.27	22.39	22.15	13.96	38.45	Pass
15KHz	15MHz	MCH	DFT-64QAM	20.88	20.96	20.70	12.53	38.45	Pass
15KHz	15MHz	MCH	DFT-256QAM	18.65	18.72	18.64	10.29	38.45	Pass
15KHz	15MHz	MCH	CP-QPSK	21.52	21.65	21.68	13.25	38.45	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	23.14	23.32	23.21	14.89	38.45	Pass
15KHz	15MHz	HCH	DFT-QPSK	23.15	23.30	23.20	14.87	38.45	Pass
15KHz	15MHz	HCH	DFT-16QAM	22.28	22.45	22.18	14.02	38.45	Pass
15KHz	15MHz	HCH	DFT-64QAM	20.89	21.08	20.71	12.65	38.45	Pass
15KHz	15MHz	HCH	DFT-256QAM	18.60	18.79	18.70	10.36	38.45	Pass
15KHz	15MHz	HCH	CP-QPSK	21.46	21.70	21.73	13.30	38.45	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	23.24	23.24	23.23	14.81	38.45	Pass
15KHz	20MHz	LCH	DFT-QPSK	23.25	23.26	23.23	14.83	38.45	Pass
15KHz	20MHz	LCH	DFT-16QAM	22.39	22.38	22.22	13.96	38.45	Pass
15KHz	20MHz	LCH	DFT-64QAM	20.80	20.84	20.74	12.41	38.45	Pass

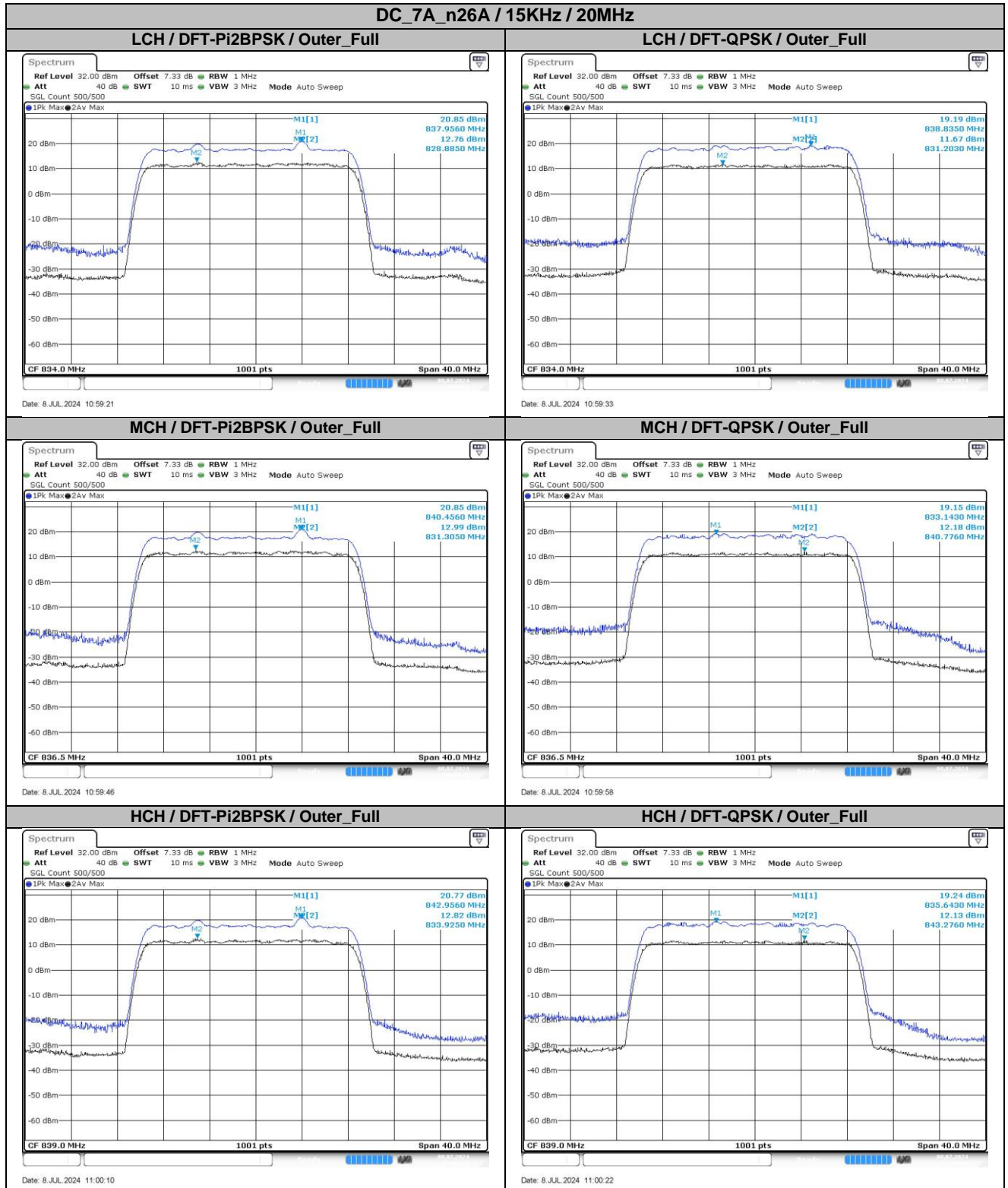
15KHz	20MHz	LCH	DFT-256QAM	18.65	18.70	18.75	10.32	38.45	Pass
15KHz	20MHz	LCH	CP-QPSK	21.57	21.59	21.73	13.30	38.45	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	23.18	23.28	23.22	14.85	38.45	Pass
15KHz	20MHz	MCH	DFT-QPSK	23.16	23.28	23.22	14.85	38.45	Pass
15KHz	20MHz	MCH	DFT-16QAM	22.27	22.43	22.20	14.00	38.45	Pass
15KHz	20MHz	MCH	DFT-64QAM	20.76	20.91	20.70	12.48	38.45	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.59	18.74	18.70	10.31	38.45	Pass
15KHz	20MHz	MCH	CP-QPSK	21.51	21.63	21.74	13.31	38.45	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	23.15	23.35	23.21	14.92	38.45	Pass
15KHz	20MHz	HCH	DFT-QPSK	23.18	23.30	23.21	14.87	38.45	Pass
15KHz	20MHz	HCH	DFT-16QAM	22.28	22.50	22.23	14.07	38.45	Pass
15KHz	20MHz	HCH	DFT-64QAM	20.76	20.97	20.72	12.54	38.45	Pass
15KHz	20MHz	HCH	DFT-256QAM	18.61	18.79	18.72	10.36	38.45	Pass
15KHz	20MHz	HCH	CP-QPSK	21.50	21.64	21.73	13.30	38.45	Pass

2. Peak-to-Average Ratio

2.1. Test Results

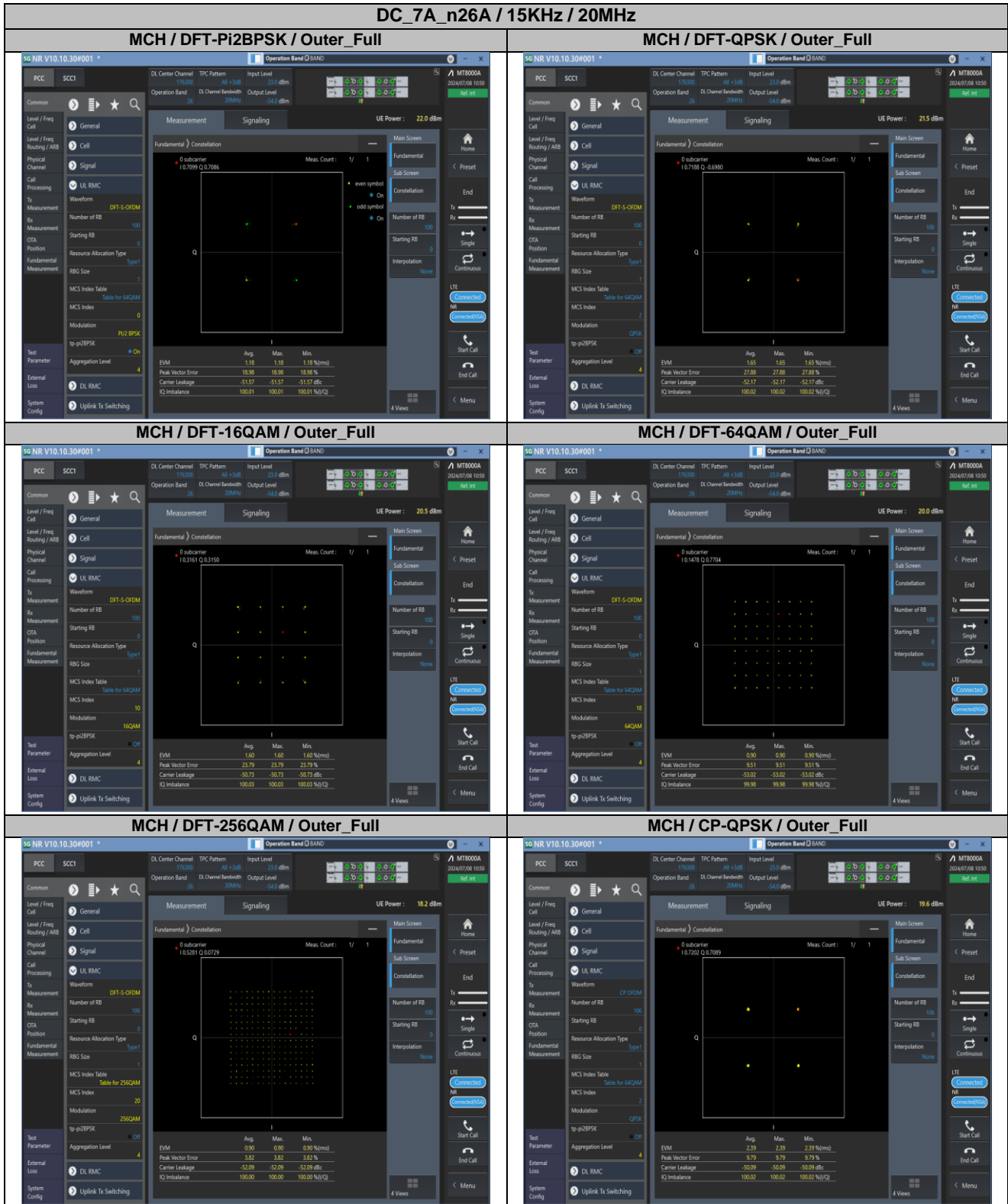
SCS	Bandwidth	Channel	RB	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	20MHz	LCH	Outer_Full	8.09	7.52	13.00	Pass
15KHz	20MHz	MCH	Outer_Full	7.86	6.97	13.00	Pass
15KHz	20MHz	HCH	Outer_Full	7.95	7.11	13.00	Pass

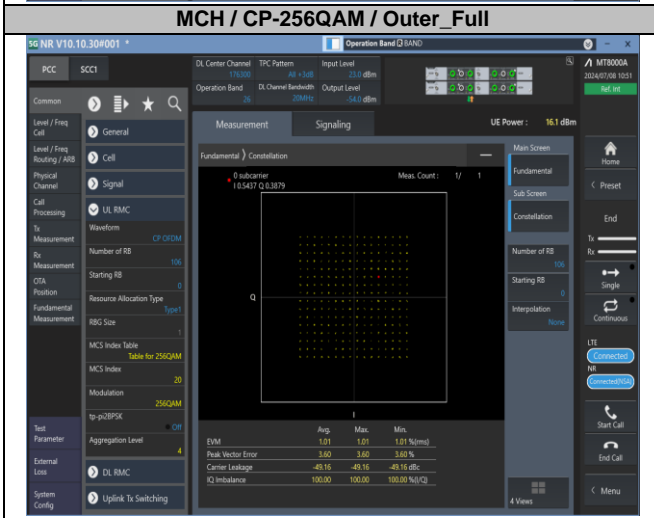
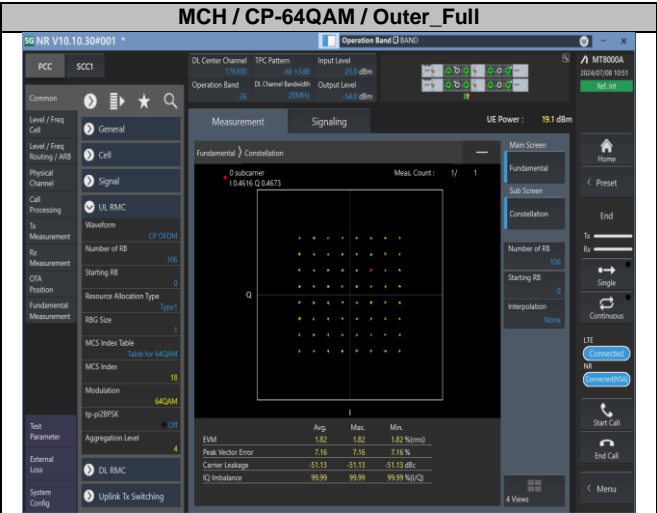
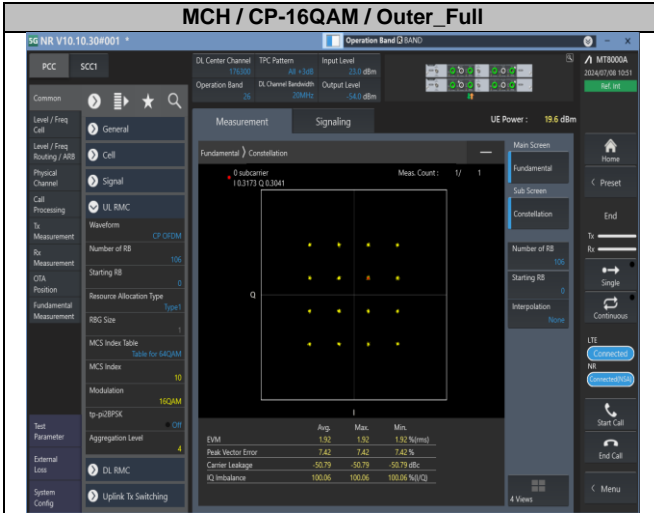
2.2. Test Plots



3. Modulation Characteristics

3.1. Test Plots





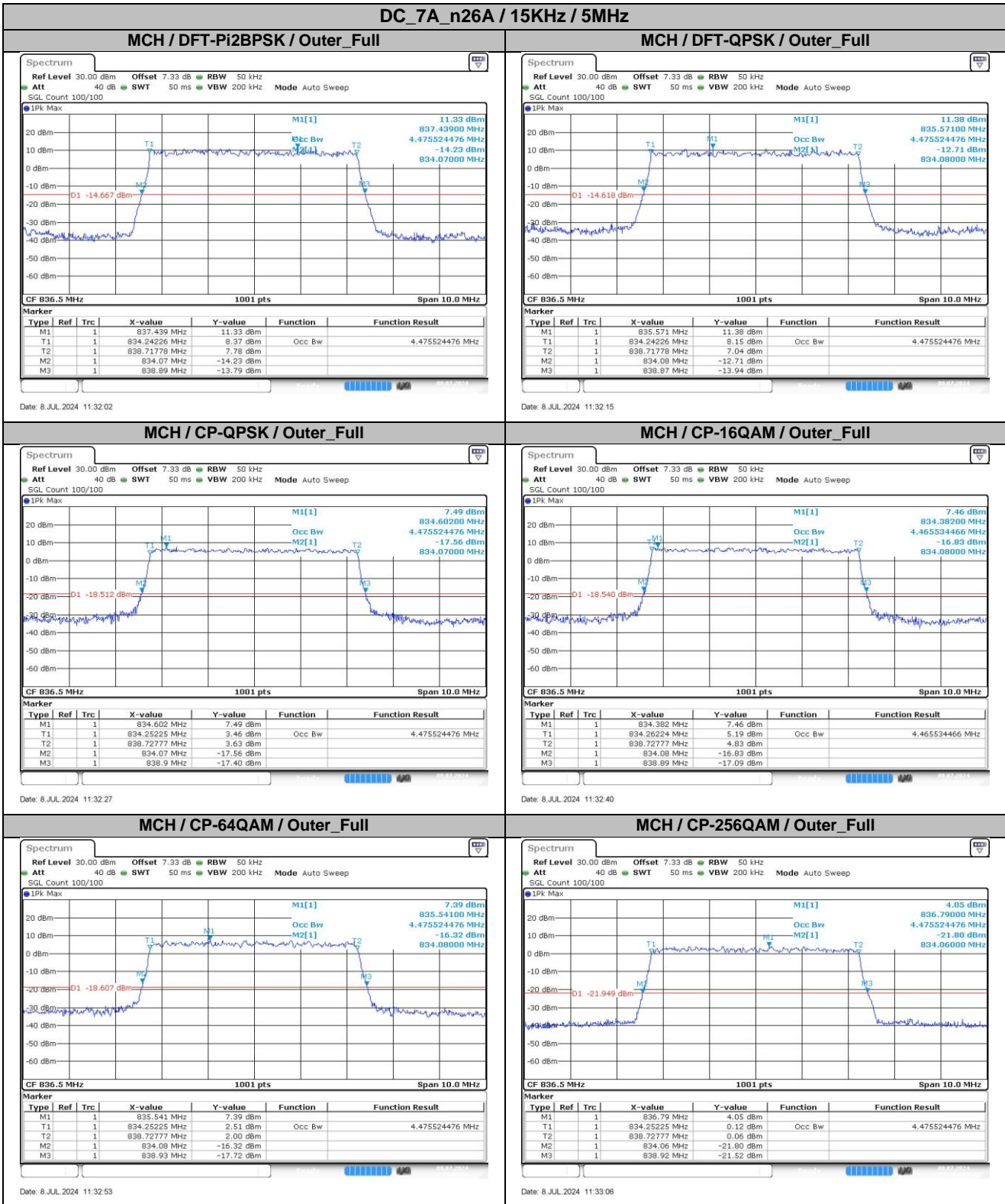
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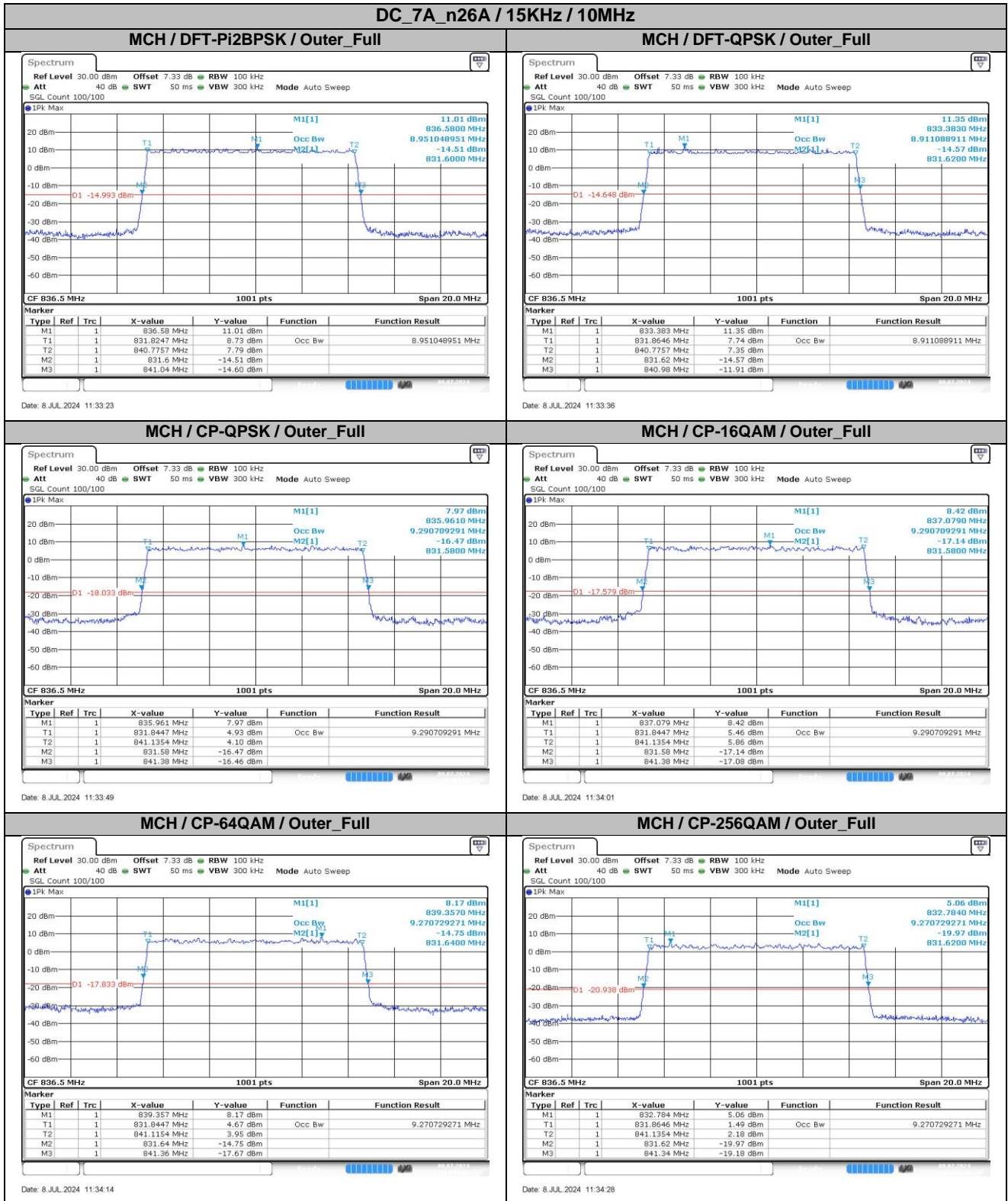
4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

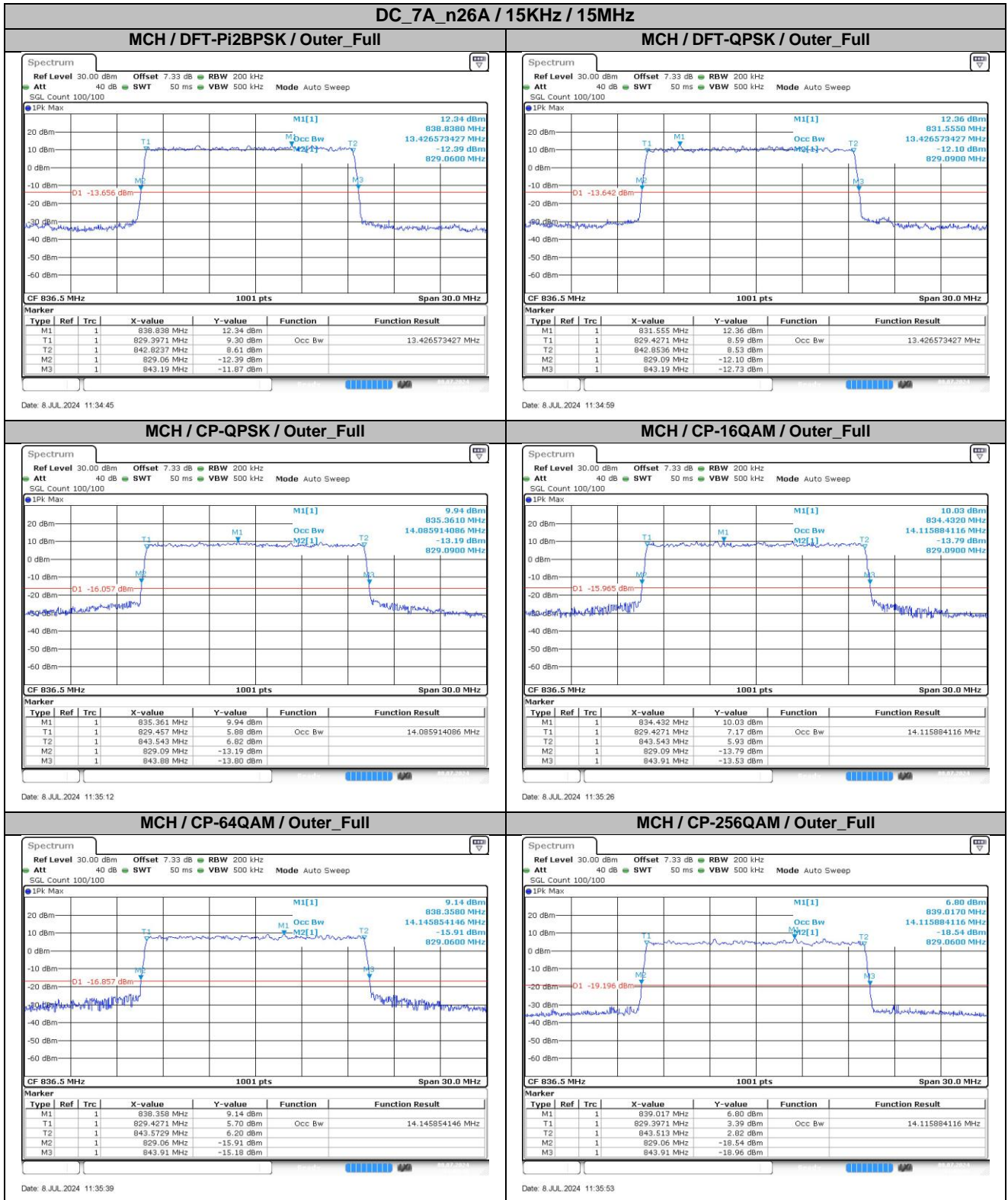
4.1. Test Results

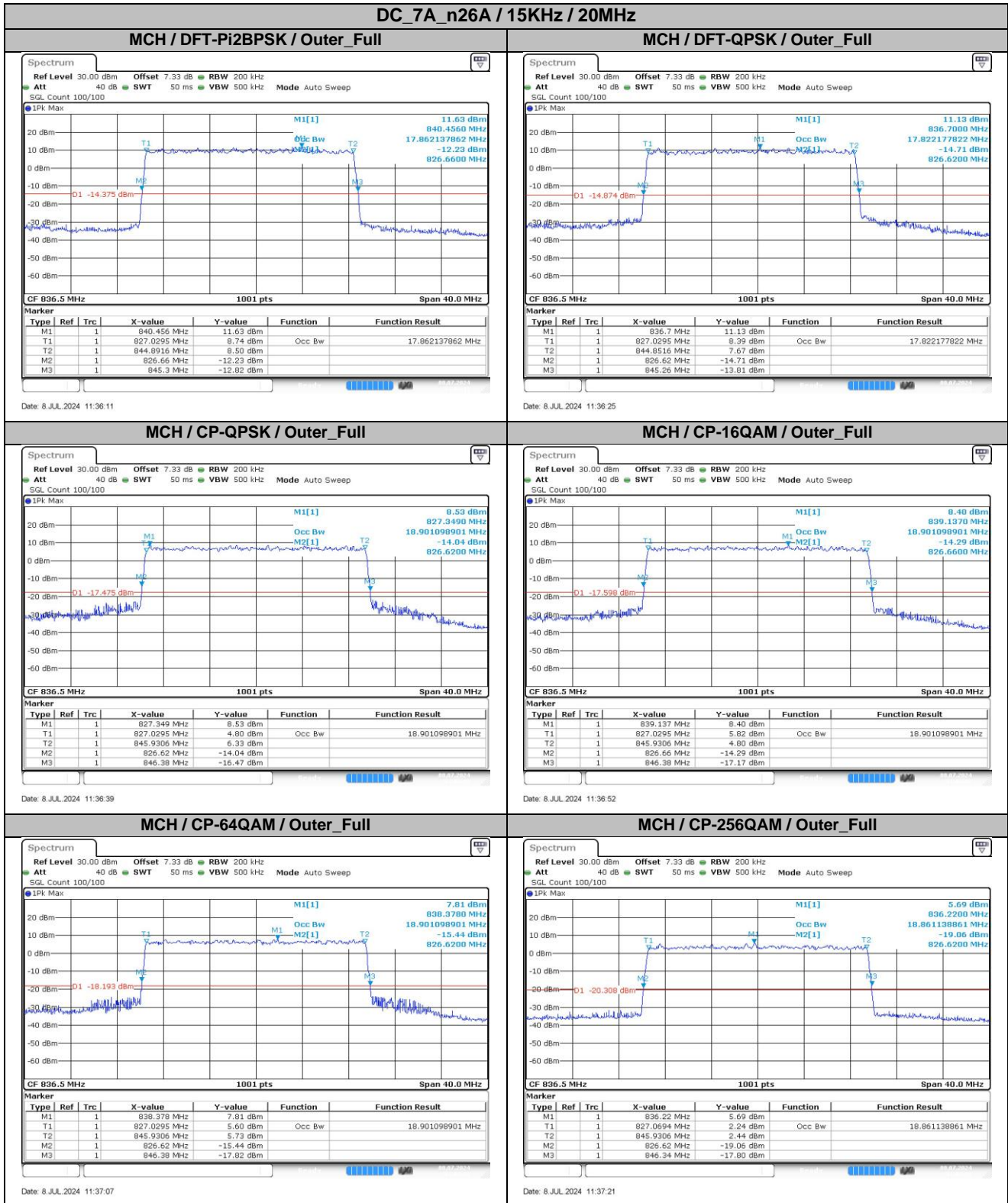
SCS	Bandwidth	Modulation	RB	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.48	4.82	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.48	4.79	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.48	4.83	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.47	4.81	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.48	4.85	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.48	4.86	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.95	9.44	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.91	9.36	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.29	9.80	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.29	9.80	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.27	9.72	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.27	9.72	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.43	14.13	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.43	14.10	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.09	14.79	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.12	14.82	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.15	14.85	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.12	14.85	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.86	18.64	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.82	18.64	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.90	19.76	Pass
15KHz	20MHz	CP-16QAM	Outer_Full	18.90	19.72	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	18.90	19.76	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	18.86	19.72	Pass

4.2. Test Plots









5. Conducted Band Edges

5.1. Test Plots

