

**Appendix
for
DC_66A_n5A
(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	23.38	23.41	23.32	14.98	38.45	Pass
15KHz	5MHz	LCH	DFT-QPSK	23.33	23.40	23.28	14.97	38.45	Pass
15KHz	5MHz	LCH	DFT-16QAM	22.29	22.30	22.27	13.87	38.45	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.81	20.86	20.84	12.43	38.45	Pass
15KHz	5MHz	LCH	DFT-256QAM	19.08	19.10	18.76	10.67	38.45	Pass
15KHz	5MHz	LCH	CP-QPSK	22.18	22.22	21.90	13.79	38.45	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	23.17	23.15	23.33	14.90	38.45	Pass
15KHz	5MHz	MCH	DFT-QPSK	23.18	23.12	23.26	14.83	38.45	Pass
15KHz	5MHz	MCH	DFT-16QAM	22.27	22.23	22.31	13.88	38.45	Pass
15KHz	5MHz	MCH	DFT-64QAM	20.69	20.69	20.82	12.39	38.45	Pass
15KHz	5MHz	MCH	DFT-256QAM	18.68	18.69	18.72	10.29	38.45	Pass
15KHz	5MHz	MCH	CP-QPSK	21.93	22.10	21.84	13.67	38.45	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	23.18	23.22	23.29	14.86	38.45	Pass
15KHz	5MHz	HCH	DFT-QPSK	23.60	23.68	23.27	15.25	38.45	Pass
15KHz	5MHz	HCH	DFT-16QAM	22.09	22.13	22.33	13.90	38.45	Pass
15KHz	5MHz	HCH	DFT-64QAM	20.59	20.64	20.81	12.38	38.45	Pass
15KHz	5MHz	HCH	DFT-256QAM	18.83	18.84	18.79	10.41	38.45	Pass
15KHz	5MHz	HCH	CP-QPSK	22.11	22.09	21.68	13.68	38.45	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	23.34	23.36	23.29	14.93	38.45	Pass
15KHz	10MHz	LCH	DFT-QPSK	23.22	23.23	23.27	14.84	38.45	Pass
15KHz	10MHz	LCH	DFT-16QAM	22.71	22.74	22.27	14.31	38.45	Pass
15KHz	10MHz	LCH	DFT-64QAM	20.72	20.69	20.85	12.42	38.45	Pass
15KHz	10MHz	LCH	DFT-256QAM	18.79	18.84	18.85	10.42	38.45	Pass
15KHz	10MHz	LCH	CP-QPSK	21.43	21.34	21.76	13.33	38.45	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	23.46	23.41	23.25	15.03	38.45	Pass
15KHz	10MHz	MCH	DFT-QPSK	23.53	23.51	23.25	15.10	38.45	Pass
15KHz	10MHz	MCH	DFT-16QAM	22.46	22.46	22.30	14.03	38.45	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.77	20.77	20.65	12.34	38.45	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.88	18.87	18.74	10.45	38.45	Pass
15KHz	10MHz	MCH	CP-QPSK	21.83	21.62	21.76	13.40	38.45	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	23.26	23.24	23.24	14.83	38.45	Pass
15KHz	10MHz	HCH	DFT-QPSK	22.75	23.15	23.29	14.86	38.45	Pass
15KHz	10MHz	HCH	DFT-16QAM	21.96	21.97	22.26	13.83	38.45	Pass
15KHz	10MHz	HCH	DFT-64QAM	20.58	20.71	20.72	12.29	38.45	Pass
15KHz	10MHz	HCH	DFT-256QAM	18.97	19.02	18.72	10.59	38.45	Pass
15KHz	10MHz	HCH	CP-QPSK	21.92	22.23	21.81	13.80	38.45	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	23.24	23.27	23.29	14.86	38.45	Pass
15KHz	15MHz	LCH	DFT-QPSK	23.16	23.20	23.26	14.83	38.45	Pass
15KHz	15MHz	LCH	DFT-16QAM	22.22	22.24	22.27	13.84	38.45	Pass
15KHz	15MHz	LCH	DFT-64QAM	21.14	21.19	20.84	12.76	38.45	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.93	18.94	18.92	10.51	38.45	Pass
15KHz	15MHz	LCH	CP-QPSK	22.10	22.23	21.80	13.80	38.45	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	23.34	23.28	23.26	14.91	38.45	Pass
15KHz	15MHz	MCH	DFT-QPSK	23.31	23.31	23.27	14.88	38.45	Pass
15KHz	15MHz	MCH	DFT-16QAM	22.30	22.31	22.31	13.88	38.45	Pass
15KHz	15MHz	MCH	DFT-64QAM	20.77	20.79	20.82	12.39	38.45	Pass
15KHz	15MHz	MCH	DFT-256QAM	18.97	18.96	18.84	10.54	38.45	Pass
15KHz	15MHz	MCH	CP-QPSK	22.06	22.21	21.99	13.78	38.45	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	23.46	23.42	23.17	15.03	38.45	Pass
15KHz	15MHz	HCH	DFT-QPSK	23.38	23.41	23.22	14.98	38.45	Pass
15KHz	15MHz	HCH	DFT-16QAM	22.56	22.53	22.34	14.13	38.45	Pass
15KHz	15MHz	HCH	DFT-64QAM	21.13	21.12	20.85	12.70	38.45	Pass
15KHz	15MHz	HCH	DFT-256QAM	19.31	19.30	18.77	10.88	38.45	Pass
15KHz	15MHz	HCH	CP-QPSK	21.63	21.70	21.83	13.40	38.45	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	23.38	23.36	23.33	14.95	38.45	Pass
15KHz	20MHz	LCH	DFT-QPSK	22.67	23.35	23.29	14.92	38.45	Pass
15KHz	20MHz	LCH	DFT-16QAM	22.87	22.83	22.28	14.44	38.45	Pass
15KHz	20MHz	LCH	DFT-64QAM	20.80	20.82	20.87	12.44	38.45	Pass

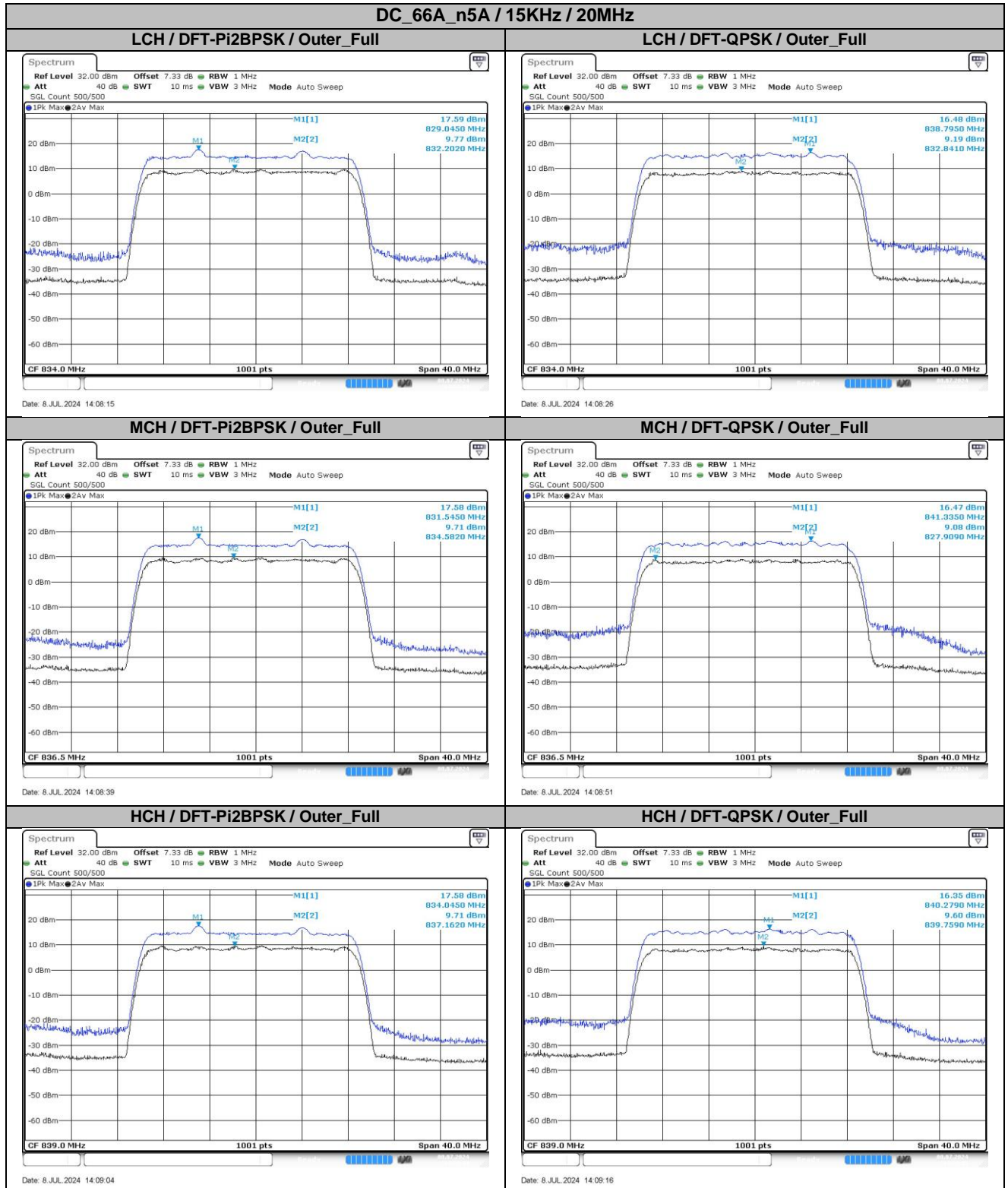
15KHz	20MHz	LCH	DFT-256QAM	19.00	18.98	18.86	10.57	38.45	Pass
15KHz	20MHz	LCH	CP-QPSK	21.70	21.69	21.79	13.36	38.45	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	23.24	23.26	23.28	14.85	38.45	Pass
15KHz	20MHz	MCH	DFT-QPSK	23.44	23.46	23.27	15.03	38.45	Pass
15KHz	20MHz	MCH	DFT-16QAM	22.47	22.44	22.33	14.04	38.45	Pass
15KHz	20MHz	MCH	DFT-64QAM	20.76	20.80	20.79	12.37	38.45	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.82	18.80	18.80	10.39	38.45	Pass
15KHz	20MHz	MCH	CP-QPSK	21.69	21.70	21.77	13.34	38.45	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	23.12	23.12	23.31	14.88	38.45	Pass
15KHz	20MHz	HCH	DFT-QPSK	23.44	23.38	23.27	15.01	38.45	Pass
15KHz	20MHz	HCH	DFT-16QAM	22.59	22.52	22.32	14.16	38.45	Pass
15KHz	20MHz	HCH	DFT-64QAM	21.28	21.18	20.84	12.85	38.45	Pass
15KHz	20MHz	HCH	DFT-256QAM	19.21	19.20	18.84	10.78	38.45	Pass
15KHz	20MHz	HCH	CP-QPSK	22.22	22.27	21.83	13.84	38.45	Pass

2. Peak-to-Average Ratio

2.1. Test Results

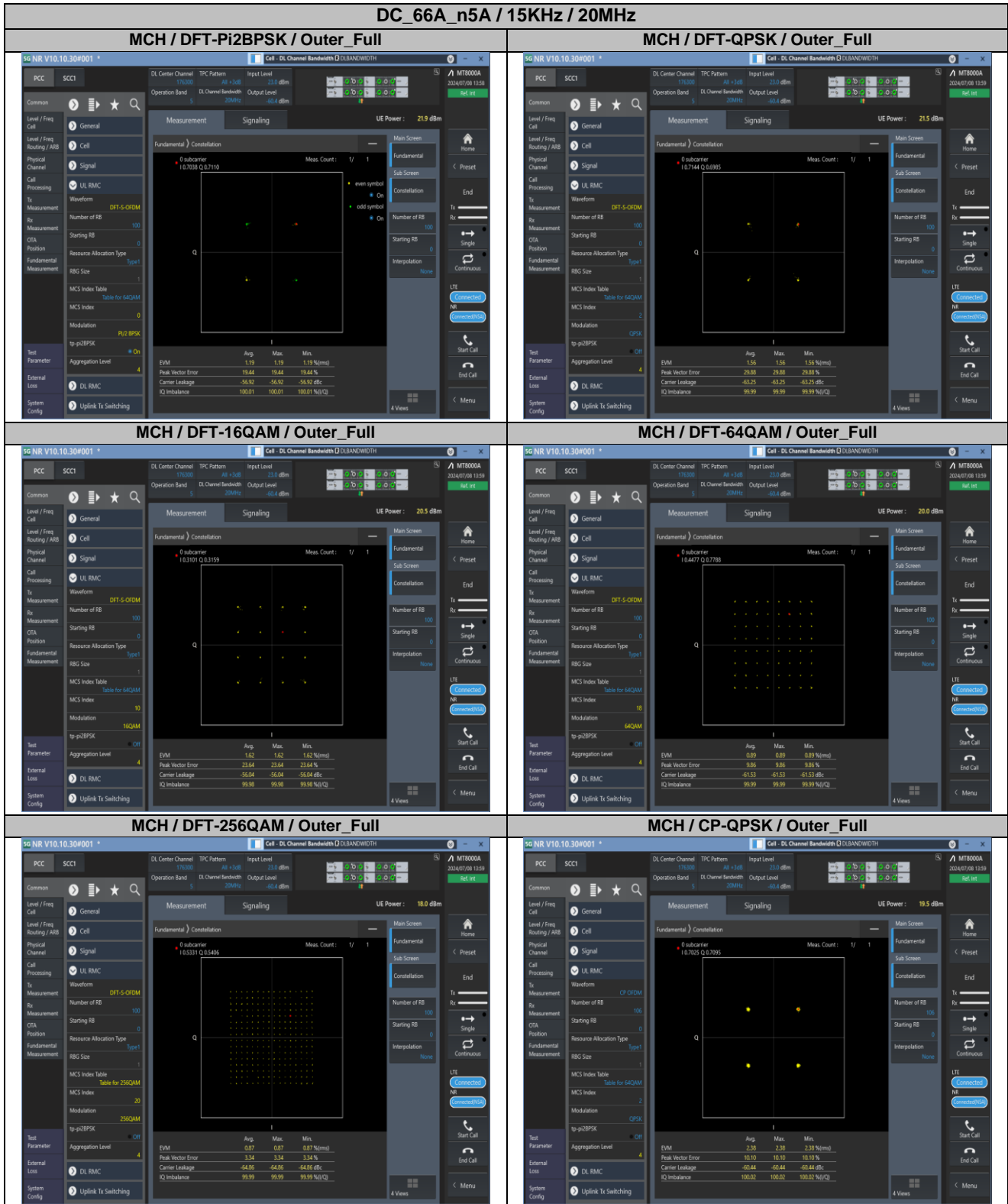
SCS	Bandwidth	Channel	RB	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	20MHz	LCH	Outer_Full	7.82	7.28	13.00	Pass
15KHz	20MHz	MCH	Outer_Full	7.87	7.39	13.00	Pass
15KHz	20MHz	HCH	Outer_Full	7.87	6.75	13.00	Pass

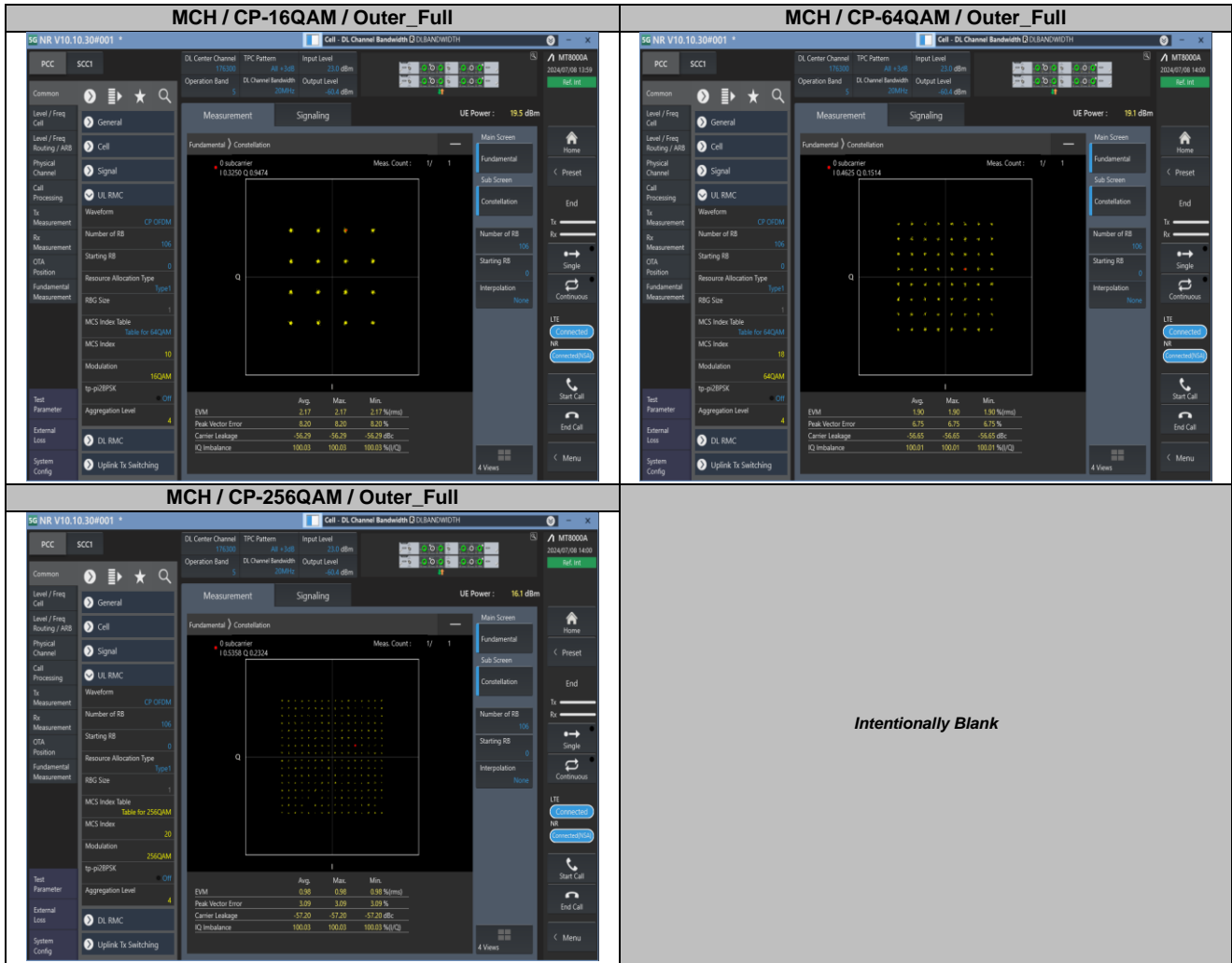
2.2. Test Plots



3. Modulation Characteristics

3.1. Test Plots





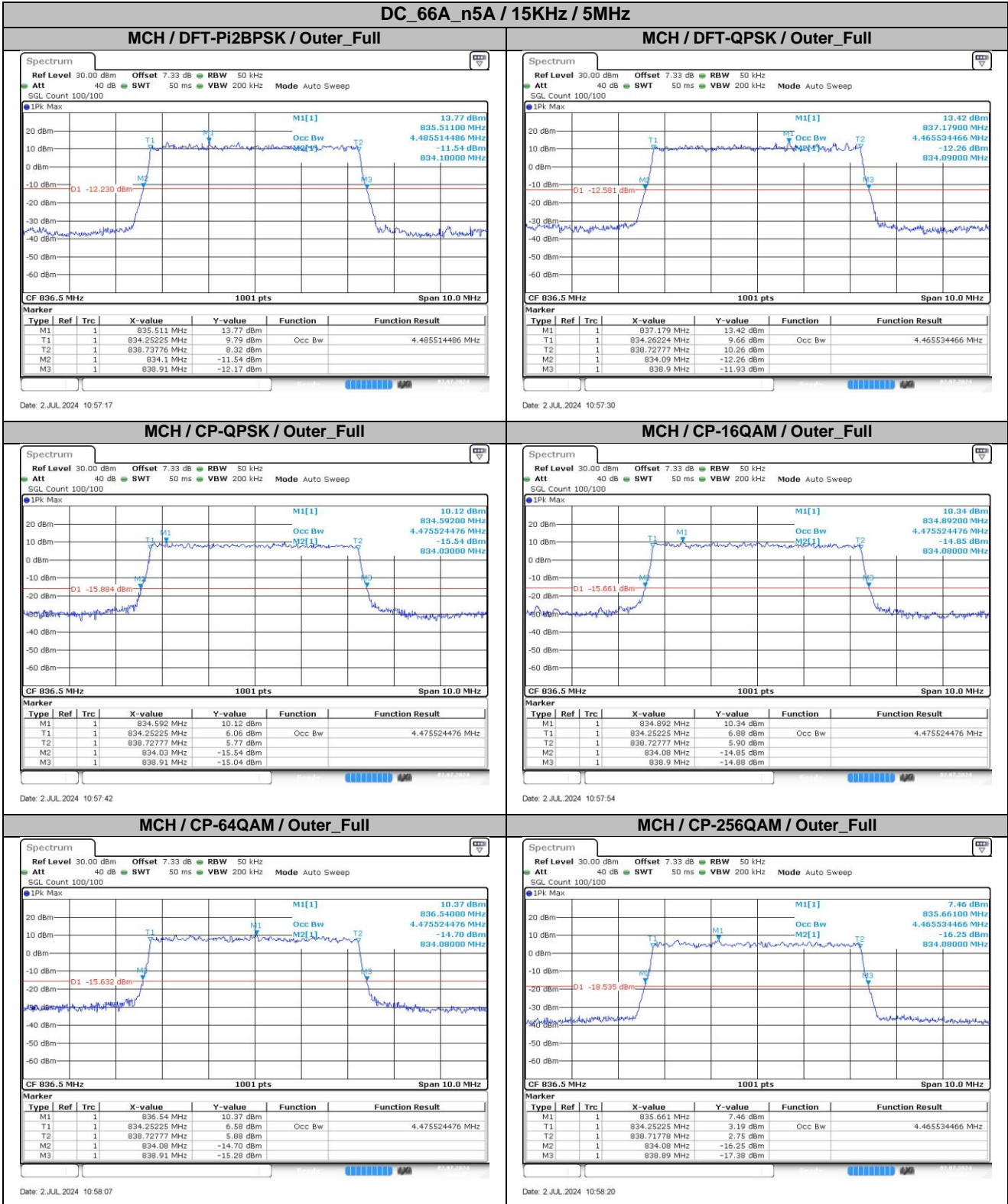
4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

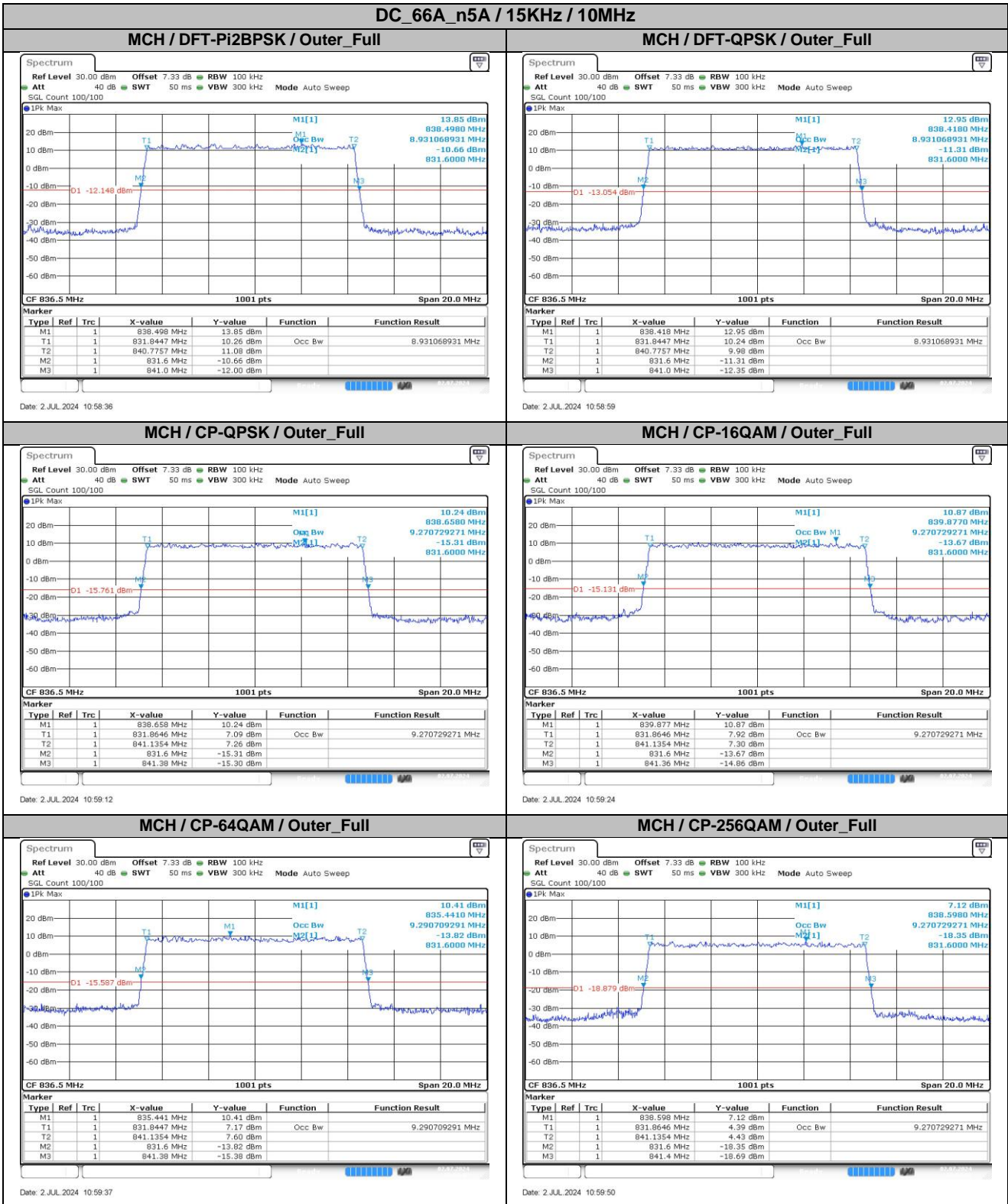
4.1. Test Results

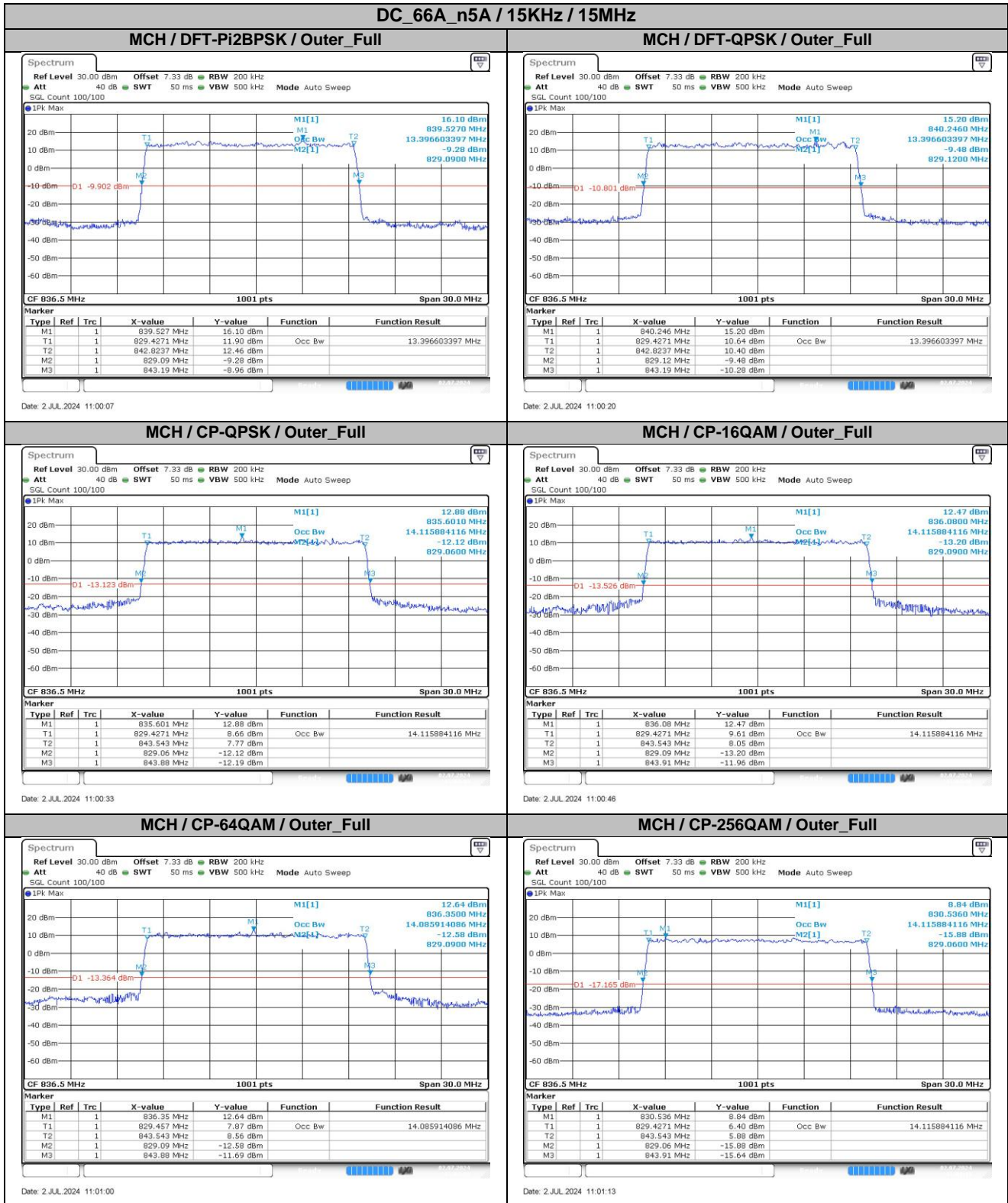
SCS	Bandwidth	Modulation	RB	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.49	4.81	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.47	4.81	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.48	4.88	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.48	4.82	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.48	4.83	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.47	4.81	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.93	9.40	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.93	9.40	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.27	9.78	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.27	9.76	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.29	9.78	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.27	9.80	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.40	14.10	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.40	14.07	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.12	14.82	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.12	14.82	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.09	14.79	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.12	14.85	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.86	18.60	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.86	18.68	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.86	19.80	Pass

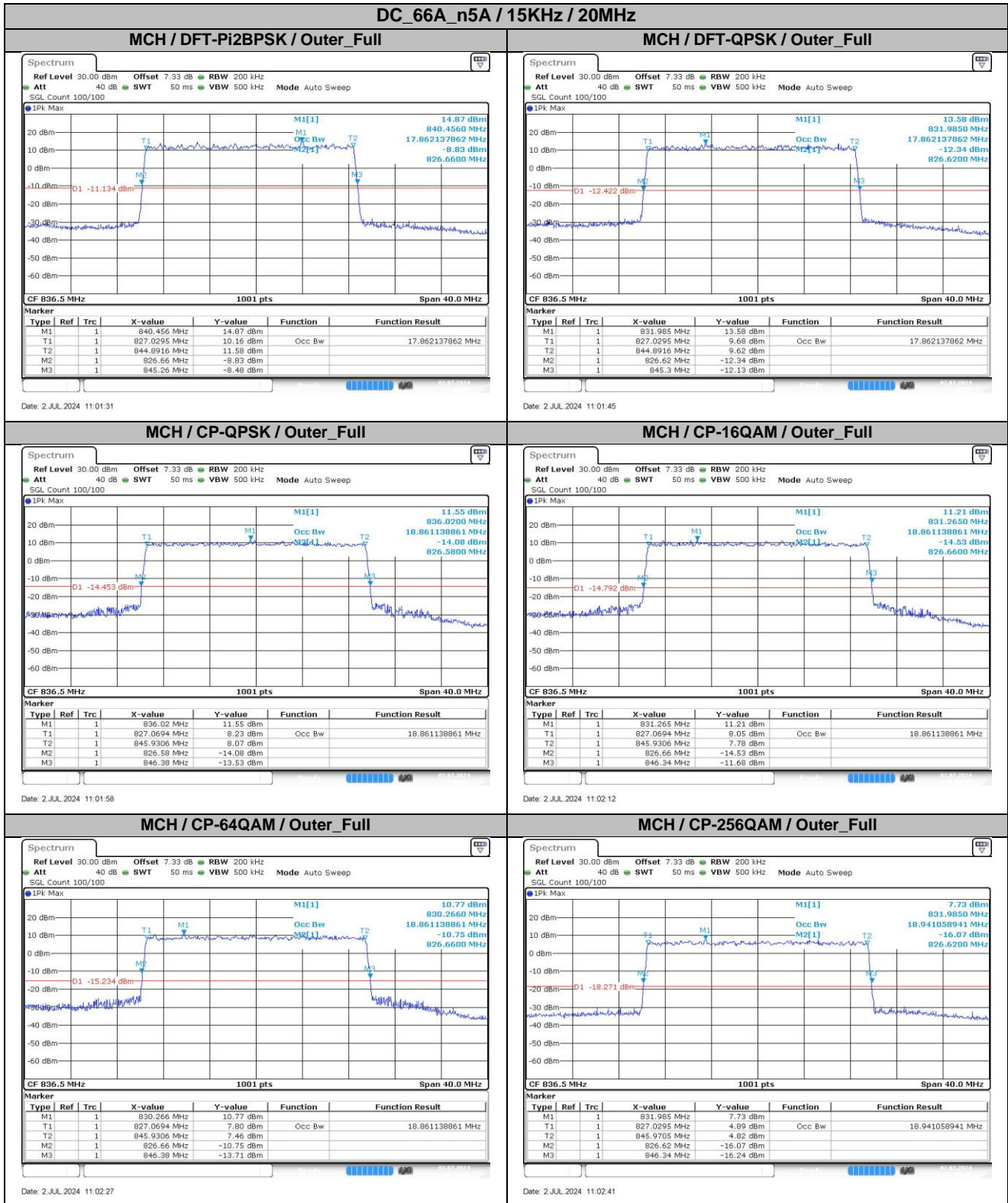
15KHz	20MHz	CP-16QAM	Outer_Full	18.86	19.68	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	18.86	19.72	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	18.94	19.72	Pass

4.2. Test Plots









5. Conducted Band Edges

5.1. Test Plots

