

**Appendix
for
DC_4A_n5A
(824-849)**

Catalogue

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1. Effective Radiated Power

1.1. Test Results @ Ant4 (Antenna Gain=-6.20dBi)

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	23.50	23.29	23.45	15.15	38.45	Pass
15KHz	5MHz	LCH	DFT-QPSK	23.45	23.34	23.47	15.12	38.45	Pass
15KHz	5MHz	LCH	DFT-16QAM	22.60	22.41	22.44	14.25	38.45	Pass
15KHz	5MHz	LCH	DFT-64QAM	21.03	20.86	21.00	12.68	38.45	Pass
15KHz	5MHz	LCH	DFT-256QAM	18.89	18.78	19.00	10.65	38.45	Pass
15KHz	5MHz	LCH	CP-QPSK	21.69	21.61	21.94	13.59	38.45	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	23.15	23.05	23.16	14.81	38.45	Pass
15KHz	5MHz	MCH	DFT-QPSK	23.13	23.05	23.18	14.83	38.45	Pass
15KHz	5MHz	MCH	DFT-16QAM	22.32	22.29	22.14	13.97	38.45	Pass
15KHz	5MHz	MCH	DFT-64QAM	20.74	20.67	20.68	12.39	38.45	Pass
15KHz	5MHz	MCH	DFT-256QAM	18.62	18.51	18.66	10.31	38.45	Pass
15KHz	5MHz	MCH	CP-QPSK	21.40	21.39	21.63	13.28	38.45	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	22.95	22.95	23.10	14.75	38.45	Pass
15KHz	5MHz	HCH	DFT-QPSK	22.97	22.94	23.09	14.74	38.45	Pass
15KHz	5MHz	HCH	DFT-16QAM	22.11	22.11	22.03	13.76	38.45	Pass
15KHz	5MHz	HCH	DFT-64QAM	20.54	20.54	20.59	12.24	38.45	Pass
15KHz	5MHz	HCH	DFT-256QAM	18.38	18.40	18.58	10.23	38.45	Pass
15KHz	5MHz	HCH	CP-QPSK	21.18	21.28	21.54	13.19	38.45	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	23.50	23.27	23.37	15.15	38.45	Pass
15KHz	10MHz	LCH	DFT-QPSK	23.46	23.24	23.36	15.11	38.45	Pass
15KHz	10MHz	LCH	DFT-16QAM	22.61	22.39	22.38	14.26	38.45	Pass
15KHz	10MHz	LCH	DFT-64QAM	21.07	20.90	20.93	12.72	38.45	Pass
15KHz	10MHz	LCH	DFT-256QAM	18.89	18.73	18.83	10.54	38.45	Pass
15KHz	10MHz	LCH	CP-QPSK	21.78	21.58	21.82	13.47	38.45	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	23.19	23.07	23.16	14.84	38.45	Pass
15KHz	10MHz	MCH	DFT-QPSK	23.20	23.04	23.17	14.85	38.45	Pass
15KHz	10MHz	MCH	DFT-16QAM	22.33	22.25	22.20	13.98	38.45	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.80	20.71	20.70	12.45	38.45	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.61	18.52	18.62	10.27	38.45	Pass
15KHz	10MHz	MCH	CP-QPSK	21.51	21.38	21.63	13.28	38.45	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	23.07	23.02	23.10	14.75	38.45	Pass
15KHz	10MHz	HCH	DFT-QPSK	23.04	23.01	23.09	14.74	38.45	Pass
15KHz	10MHz	HCH	DFT-16QAM	22.26	22.15	22.07	13.91	38.45	Pass
15KHz	10MHz	HCH	DFT-64QAM	20.72	20.65	20.63	12.37	38.45	Pass
15KHz	10MHz	HCH	DFT-256QAM	18.56	18.47	18.54	10.21	38.45	Pass
15KHz	10MHz	HCH	CP-QPSK	21.34	21.31	21.51	13.16	38.45	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	23.45	23.12	23.32	15.10	38.45	Pass
15KHz	15MHz	LCH	DFT-QPSK	23.43	23.12	23.32	15.08	38.45	Pass
15KHz	15MHz	LCH	DFT-16QAM	22.59	22.36	22.38	14.24	38.45	Pass
15KHz	15MHz	LCH	DFT-64QAM	21.06	20.79	20.85	12.71	38.45	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.89	18.62	18.75	10.54	38.45	Pass
15KHz	15MHz	LCH	CP-QPSK	21.75	21.57	21.82	13.47	38.45	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	23.26	23.03	23.17	14.91	38.45	Pass
15KHz	15MHz	MCH	DFT-QPSK	23.26	23.02	23.19	14.91	38.45	Pass
15KHz	15MHz	MCH	DFT-16QAM	22.37	22.19	22.22	14.02	38.45	Pass
15KHz	15MHz	MCH	DFT-64QAM	20.86	20.65	20.73	12.51	38.45	Pass
15KHz	15MHz	MCH	DFT-256QAM	18.70	18.49	18.65	10.35	38.45	Pass
15KHz	15MHz	MCH	CP-QPSK	21.56	21.43	21.68	13.33	38.45	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	23.19	23.01	23.10	14.84	38.45	Pass
15KHz	15MHz	HCH	DFT-QPSK	23.18	22.98	23.10	14.83	38.45	Pass
15KHz	15MHz	HCH	DFT-16QAM	22.35	22.17	22.14	14.00	38.45	Pass
15KHz	15MHz	HCH	DFT-64QAM	20.85	20.64	20.60	12.50	38.45	Pass
15KHz	15MHz	HCH	DFT-256QAM	18.66	18.48	18.57	10.31	38.45	Pass
15KHz	15MHz	HCH	CP-QPSK	21.50	21.39	21.58	13.23	38.45	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	23.45	23.05	23.29	15.10	38.45	Pass
15KHz	20MHz	LCH	DFT-QPSK	23.46	23.10	23.28	15.11	38.45	Pass
15KHz	20MHz	LCH	DFT-16QAM	22.60	22.24	22.27	14.25	38.45	Pass
15KHz	20MHz	LCH	DFT-64QAM	21.09	20.70	20.77	12.74	38.45	Pass

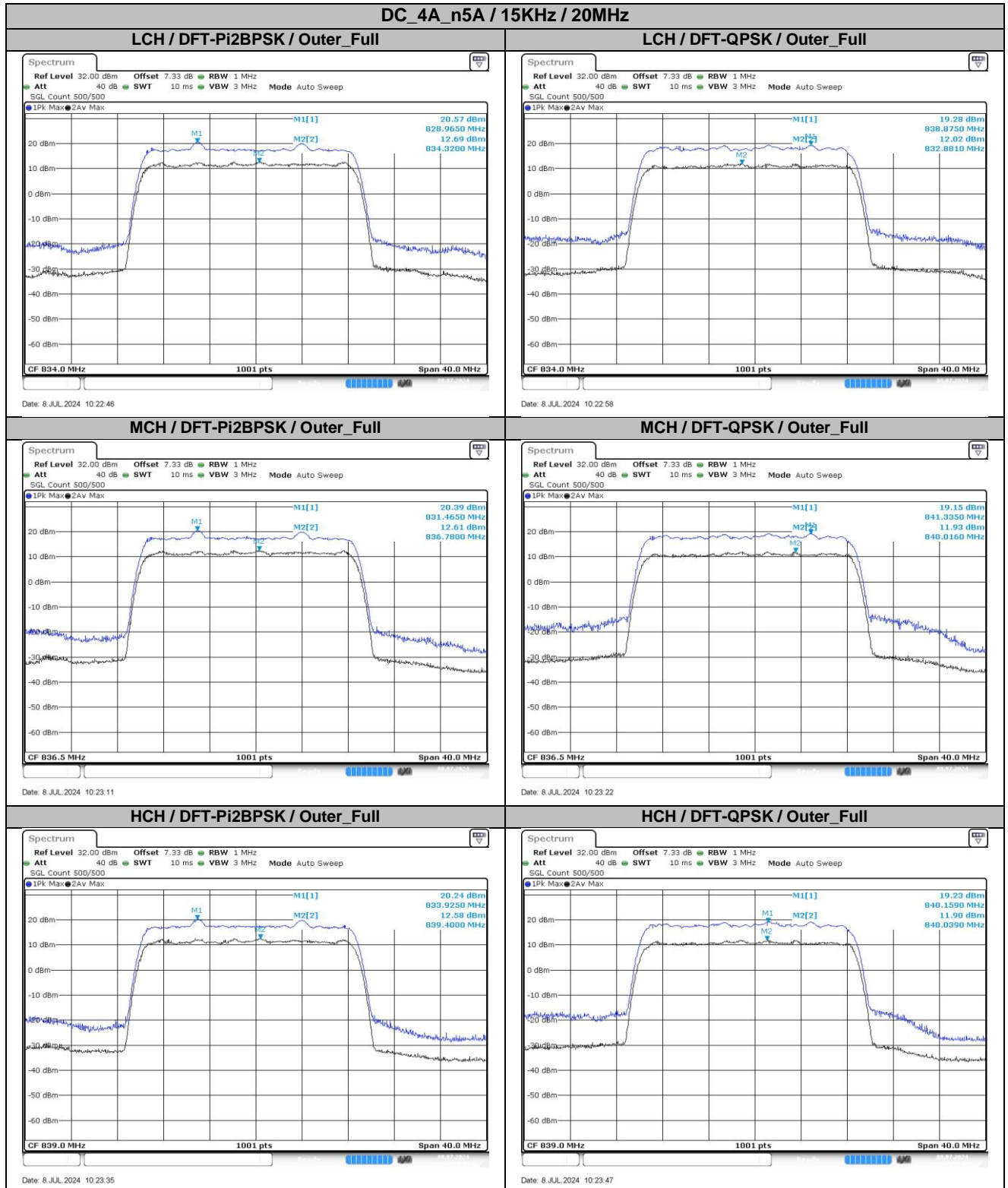
15KHz	20MHz	LCH	DFT-256QAM	18.93	18.53	18.74	10.58	38.45	Pass
15KHz	20MHz	LCH	CP-QPSK	21.76	21.38	21.74	13.41	38.45	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	23.39	23.05	23.21	15.04	38.45	Pass
15KHz	20MHz	MCH	DFT-QPSK	23.35	23.08	23.23	15.00	38.45	Pass
15KHz	20MHz	MCH	DFT-16QAM	22.45	22.18	22.21	14.10	38.45	Pass
15KHz	20MHz	MCH	DFT-64QAM	20.98	20.66	20.72	12.63	38.45	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.79	18.52	18.68	10.44	38.45	Pass
15KHz	20MHz	MCH	CP-QPSK	21.66	21.37	21.69	13.34	38.45	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	23.27	23.00	23.14	14.92	38.45	Pass
15KHz	20MHz	HCH	DFT-QPSK	23.27	22.99	23.17	14.92	38.45	Pass
15KHz	20MHz	HCH	DFT-16QAM	22.39	22.19	22.16	14.04	38.45	Pass
15KHz	20MHz	HCH	DFT-64QAM	20.87	20.64	20.66	12.52	38.45	Pass
15KHz	20MHz	HCH	DFT-256QAM	18.72	18.51	18.63	10.37	38.45	Pass
15KHz	20MHz	HCH	CP-QPSK	21.59	21.34	21.66	13.31	38.45	Pass

2. Peak-to-Average Ratio

2.1. Test Results

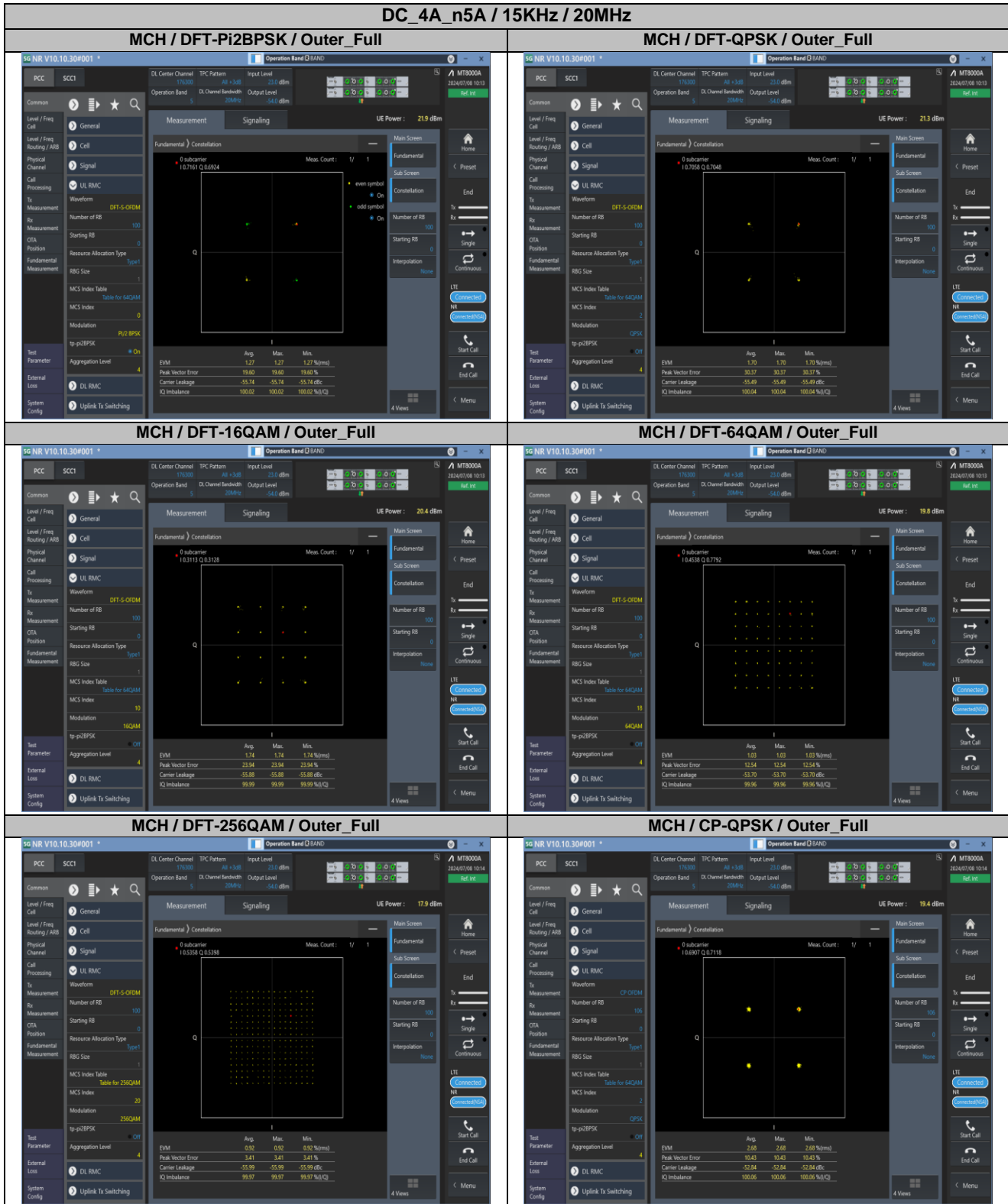
SCS	Bandwidth	Channel	RB	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	20MHz	LCH	Outer_Full	7.87	7.26	13.00	Pass
15KHz	20MHz	MCH	Outer_Full	7.78	7.23	13.00	Pass
15KHz	20MHz	HCH	Outer_Full	7.67	7.33	13.00	Pass

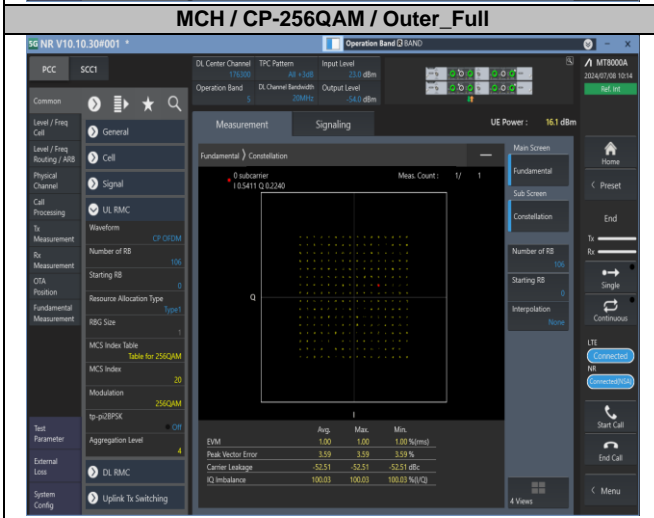
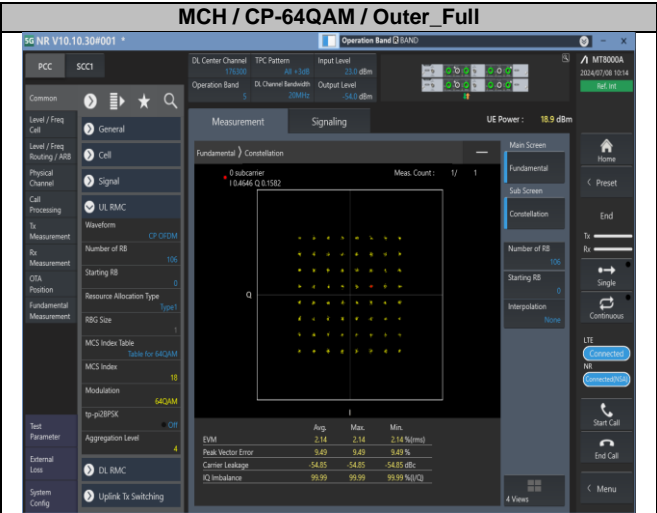
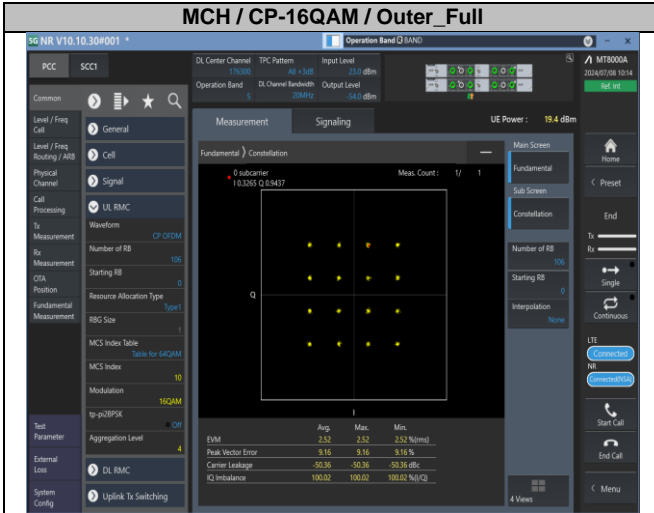
2.2. Test Plots



3. Modulation Characteristics

3.1. Test Plots





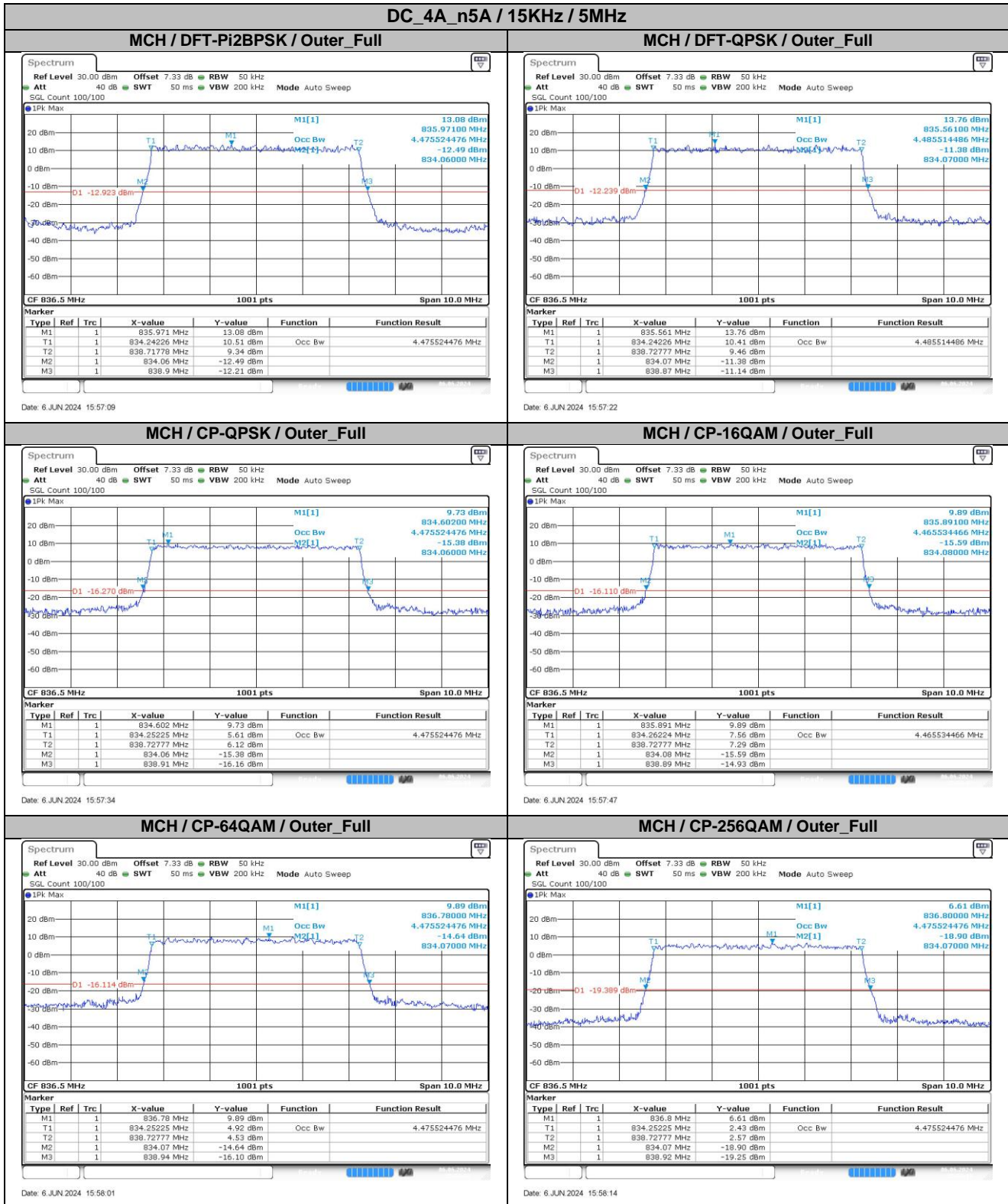
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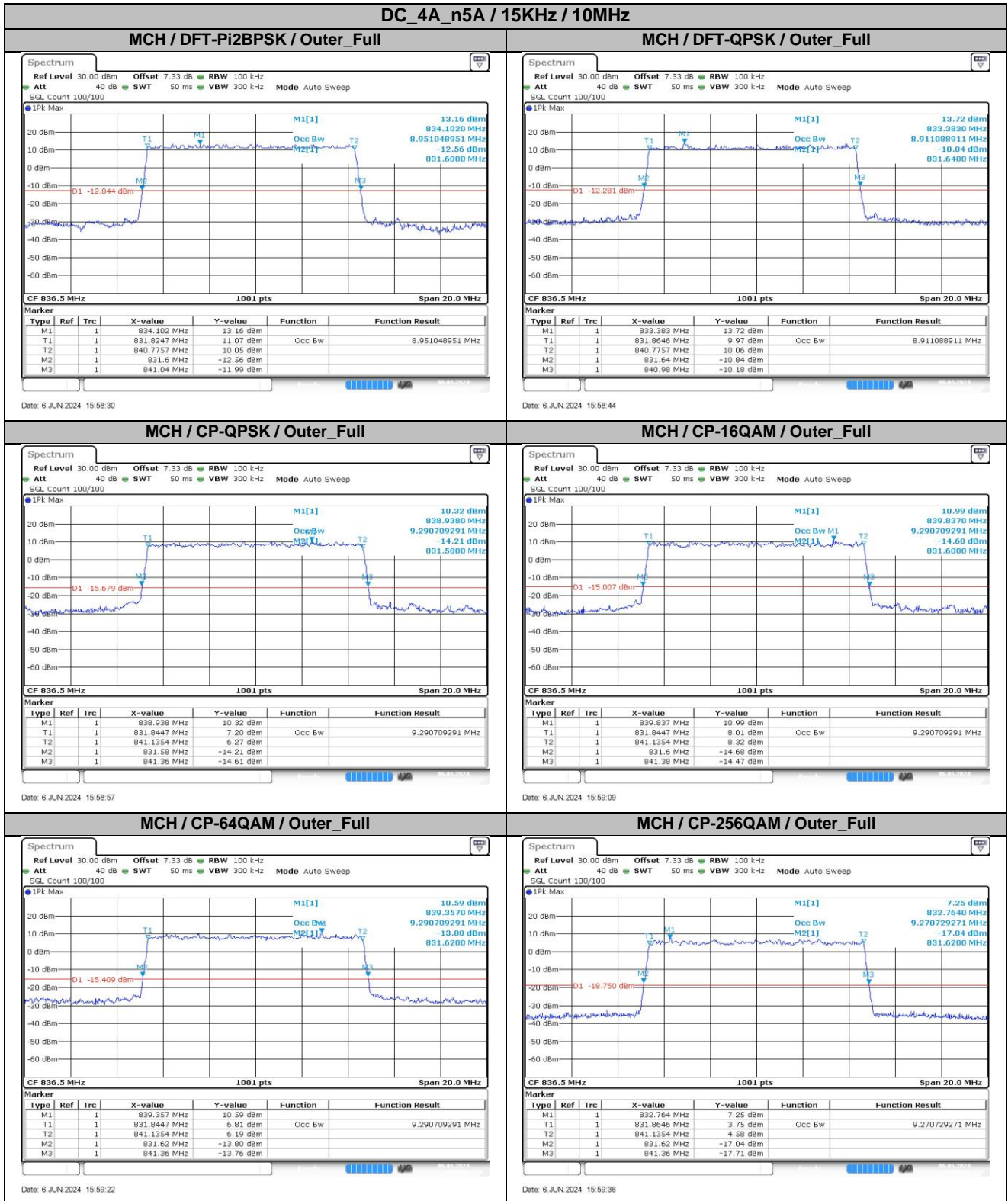
4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

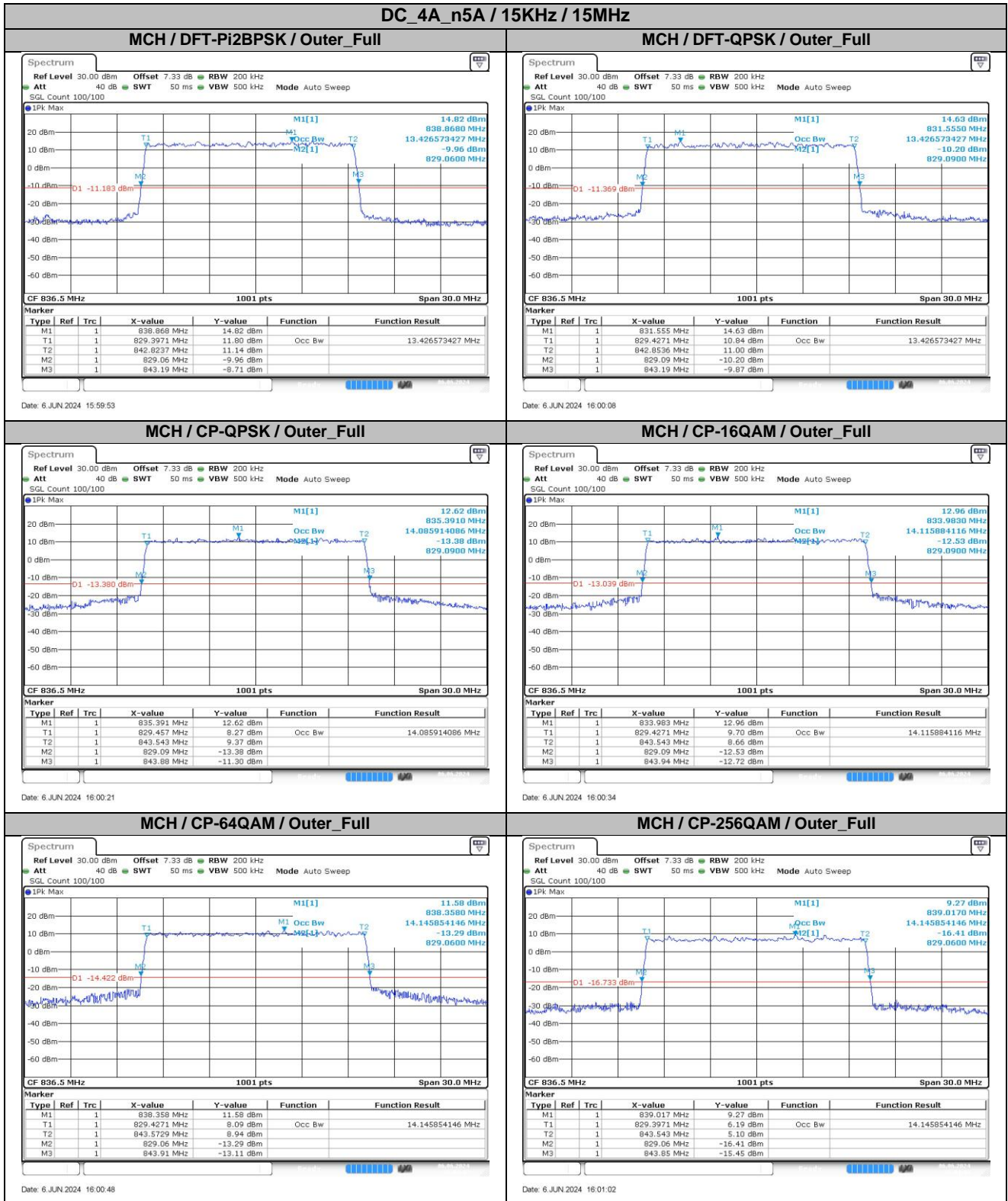
4.1. Test Results

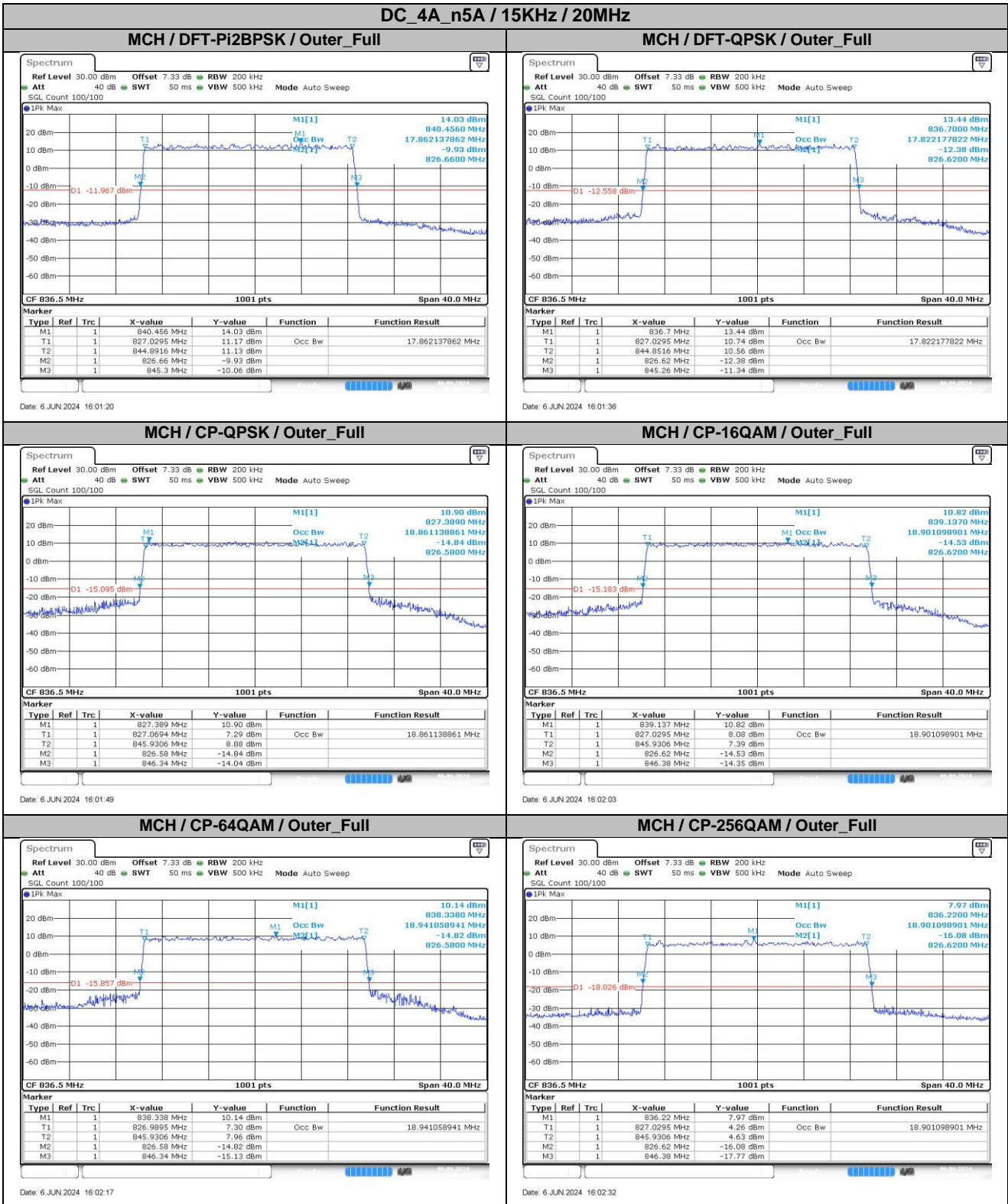
SCS	Bandwidth	Modulation	RB	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.48	4.84	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.49	4.80	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.48	4.85	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.47	4.81	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.48	4.87	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.48	4.85	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.95	9.44	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.91	9.34	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.29	9.78	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.29	9.78	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.29	9.74	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.27	9.74	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	14.85	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.15	14.85	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.15	14.79	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	18.86	19.76	Pass
15KHz	20MHz	CP-16QAM	Outer_Full	18.90	19.76	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	18.94	19.76	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	18.90	19.76	Pass

4.2. Test Plots









5. Conducted Band Edges

5.1. Test Plots

