

**Appendix
for
DC_7A_n26A
(814-824)**

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1. Conducted power

1.1. Test Results @ Ant0

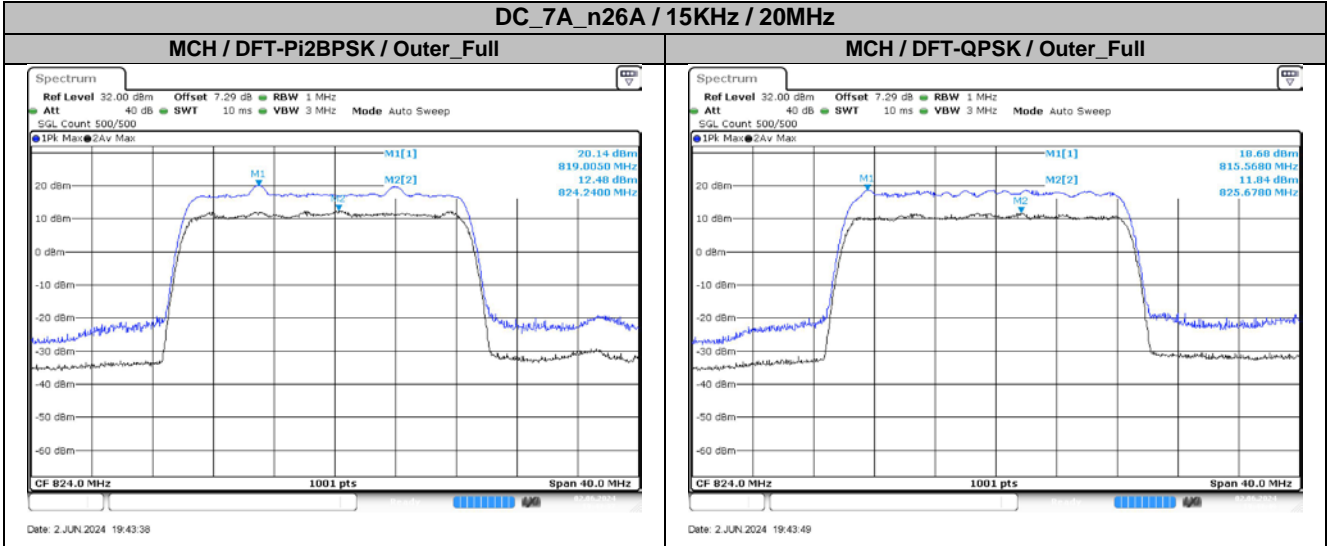
SCS	Bandwidth	Channel	Modulation	Conducted Result (dBm)			Verdict
				Inner_1RB_Left	Inner_1RB_Right	Inner_Full	
15KHz	5MHz	LCH	DFT-Pi2BPSK	23.30	23.25	23.37	Pass
15KHz	5MHz	LCH	DFT-QPSK	23.30	23.30	23.39	Pass
15KHz	5MHz	LCH	DFT-16QAM	22.51	22.47	22.42	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.84	20.74	20.87	Pass
15KHz	5MHz	LCH	DFT-256QAM	18.69	18.63	18.90	Pass
15KHz	5MHz	LCH	CP-QPSK	21.57	21.59	21.96	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	23.29	23.28	23.36	Pass
15KHz	5MHz	MCH	DFT-QPSK	23.30	23.30	23.37	Pass
15KHz	5MHz	MCH	DFT-16QAM	22.49	22.49	22.39	Pass
15KHz	5MHz	MCH	DFT-64QAM	20.77	20.78	20.81	Pass
15KHz	5MHz	MCH	DFT-256QAM	18.64	18.67	18.88	Pass
15KHz	5MHz	MCH	CP-QPSK	21.53	21.59	21.93	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	23.27	23.26	23.34	Pass
15KHz	5MHz	HCH	DFT-QPSK	23.26	23.31	23.38	Pass
15KHz	5MHz	HCH	DFT-16QAM	22.48	22.46	22.37	Pass
15KHz	5MHz	HCH	DFT-64QAM	20.74	20.72	20.80	Pass
15KHz	5MHz	HCH	DFT-256QAM	18.62	18.61	18.86	Pass
15KHz	5MHz	HCH	CP-QPSK	21.52	21.57	21.93	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	23.34	23.31	23.35	Pass
15KHz	10MHz	MCH	DFT-QPSK	23.32	23.33	23.36	Pass
15KHz	10MHz	MCH	DFT-16QAM	22.53	22.51	22.39	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.86	20.76	20.90	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.72	18.64	18.82	Pass
15KHz	10MHz	MCH	CP-QPSK	21.63	21.64	21.83	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	23.30	23.21	23.34	Pass
15KHz	15MHz	MCH	DFT-QPSK	23.30	23.19	23.32	Pass
15KHz	15MHz	MCH	DFT-16QAM	22.45	22.35	22.32	Pass
15KHz	15MHz	MCH	DFT-64QAM	21.09	20.94	20.84	Pass
15KHz	15MHz	MCH	DFT-256QAM	18.86	18.68	18.82	Pass
15KHz	15MHz	MCH	CP-QPSK	21.70	21.63	21.82	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	23.32	23.22	23.33	Pass
15KHz	20MHz	MCH	DFT-QPSK	23.32	23.21	23.32	Pass
15KHz	20MHz	MCH	DFT-16QAM	22.45	22.38	22.35	Pass
15KHz	20MHz	MCH	DFT-64QAM	21.08	20.98	20.83	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.86	18.75	18.79	Pass
15KHz	20MHz	MCH	CP-QPSK	21.70	21.62	21.81	Pass

2. Peak-to-Average Ratio

2.1. Test Results

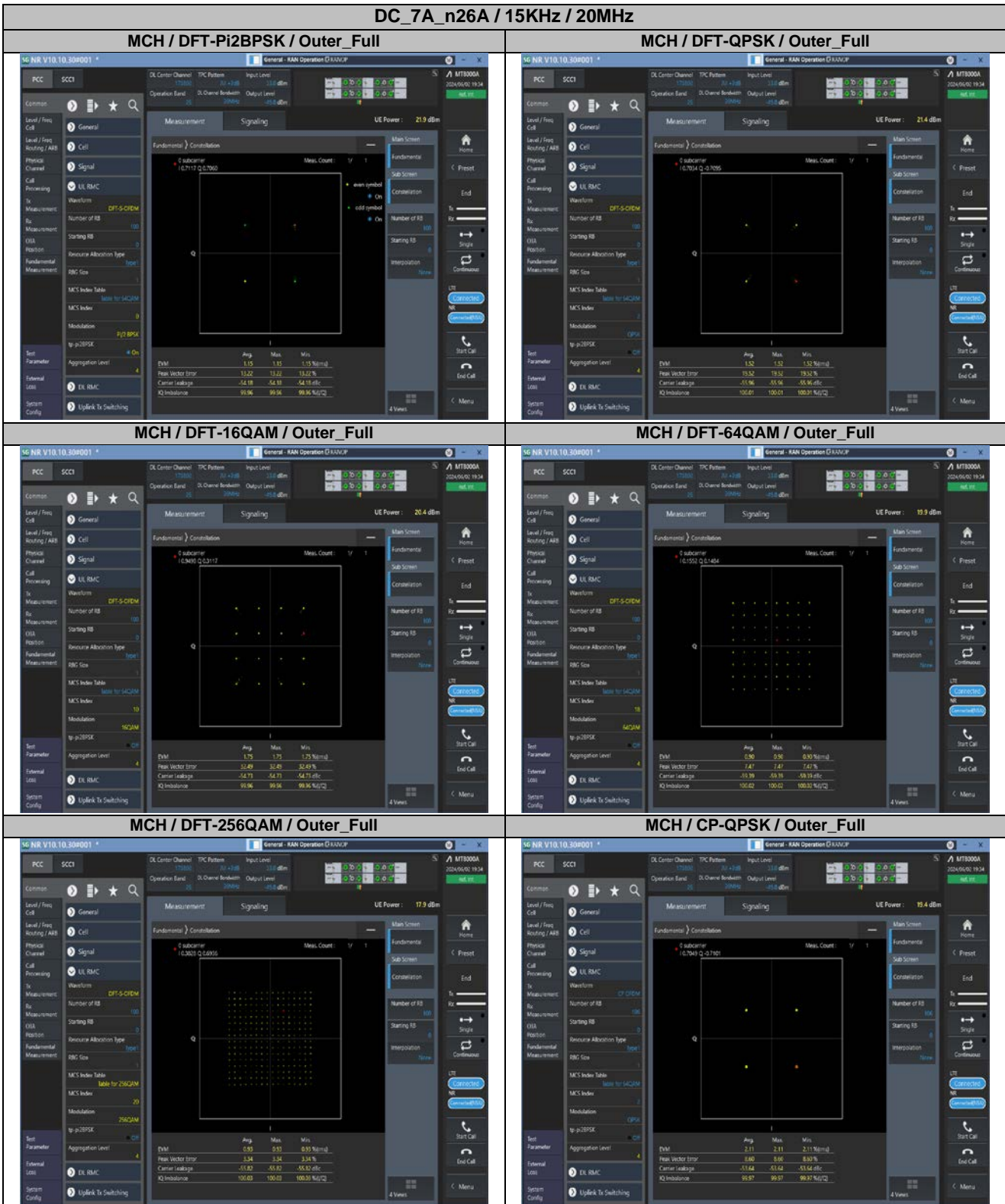
SCS	Bandwidth	Channel	Modulation	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	20MHz	MCH	Outer_Full	7.66	6.84	13.00	Pass

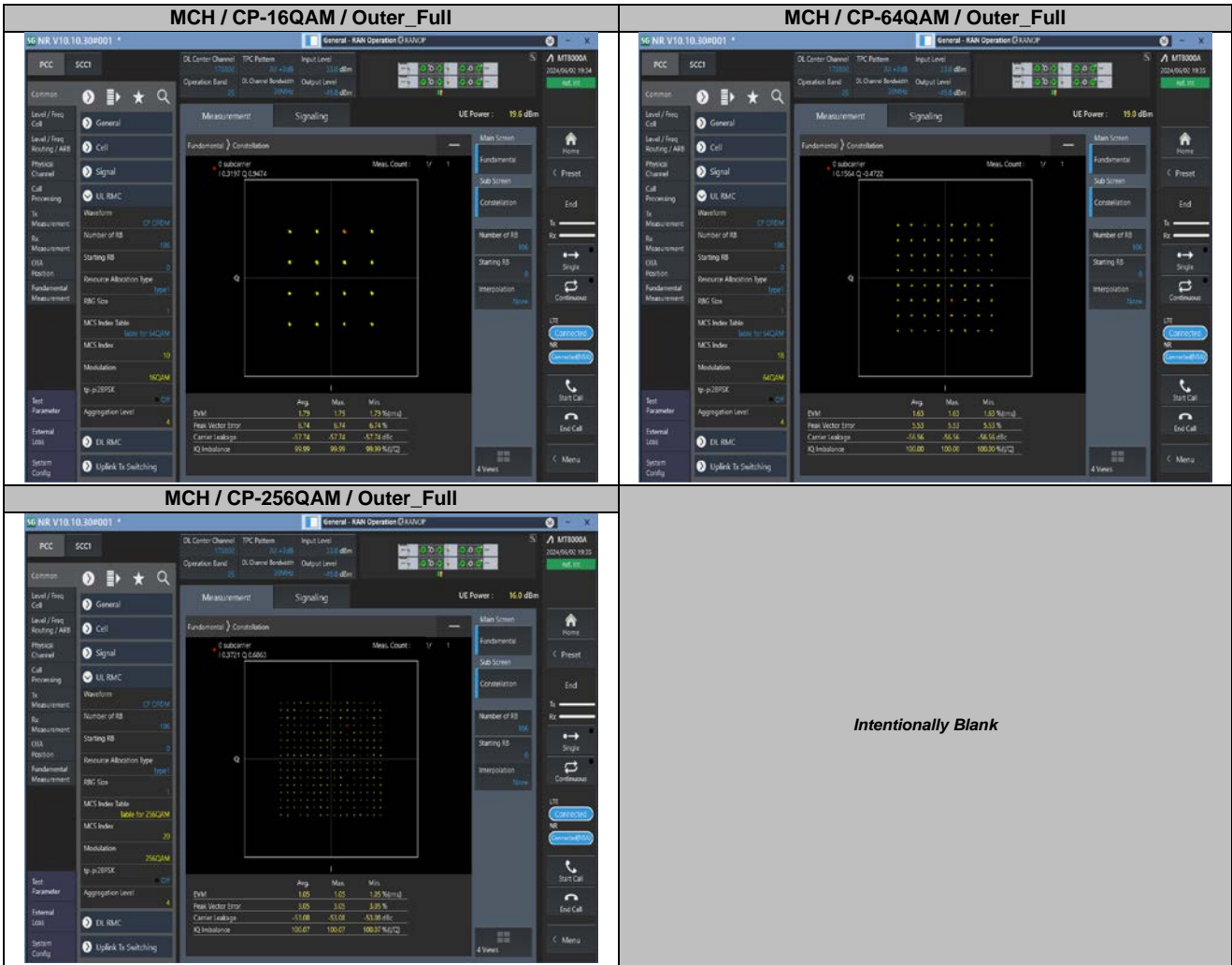
2.2. Test Plots



3. Modulation Characteristics

3.1. Test Plots



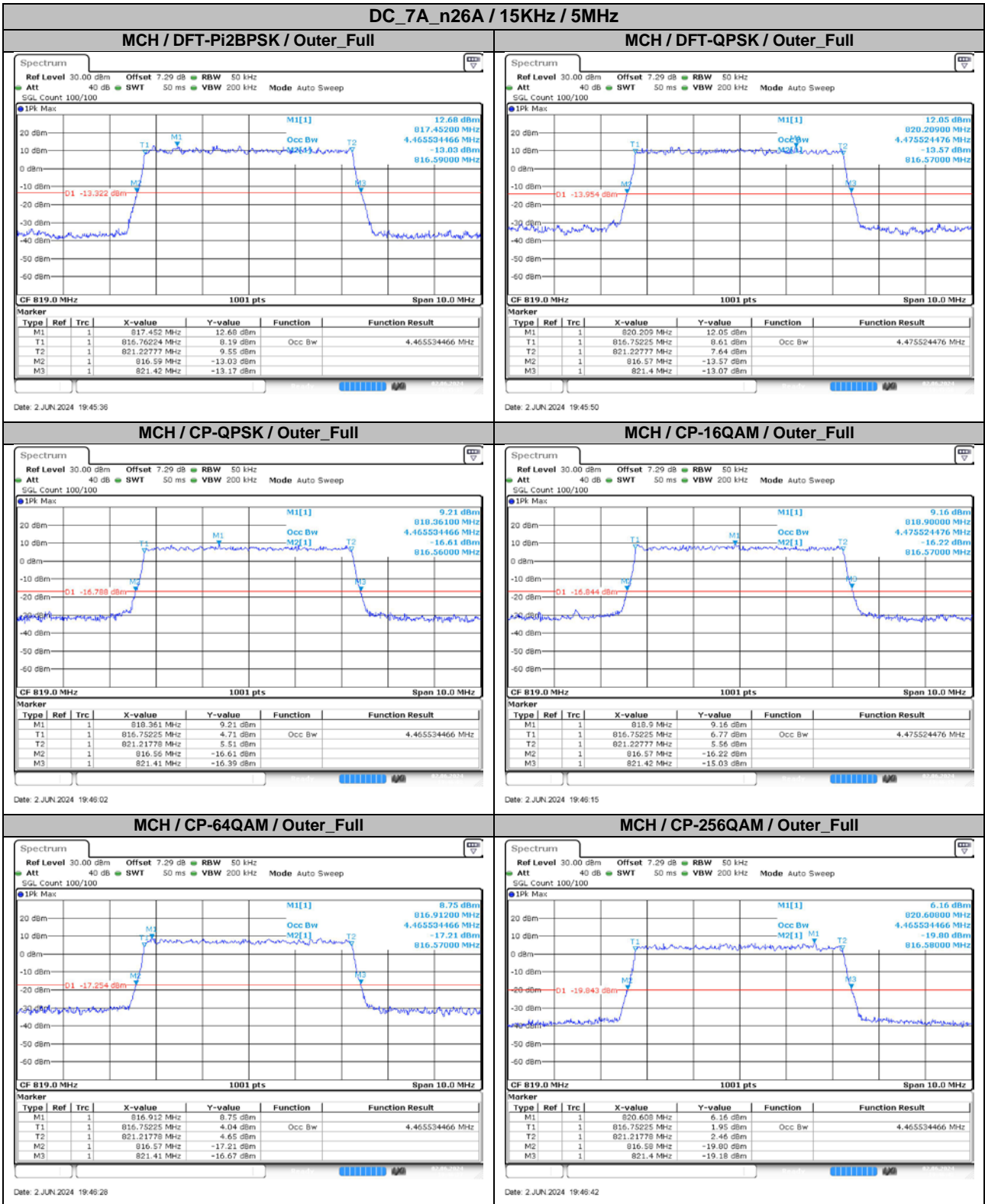


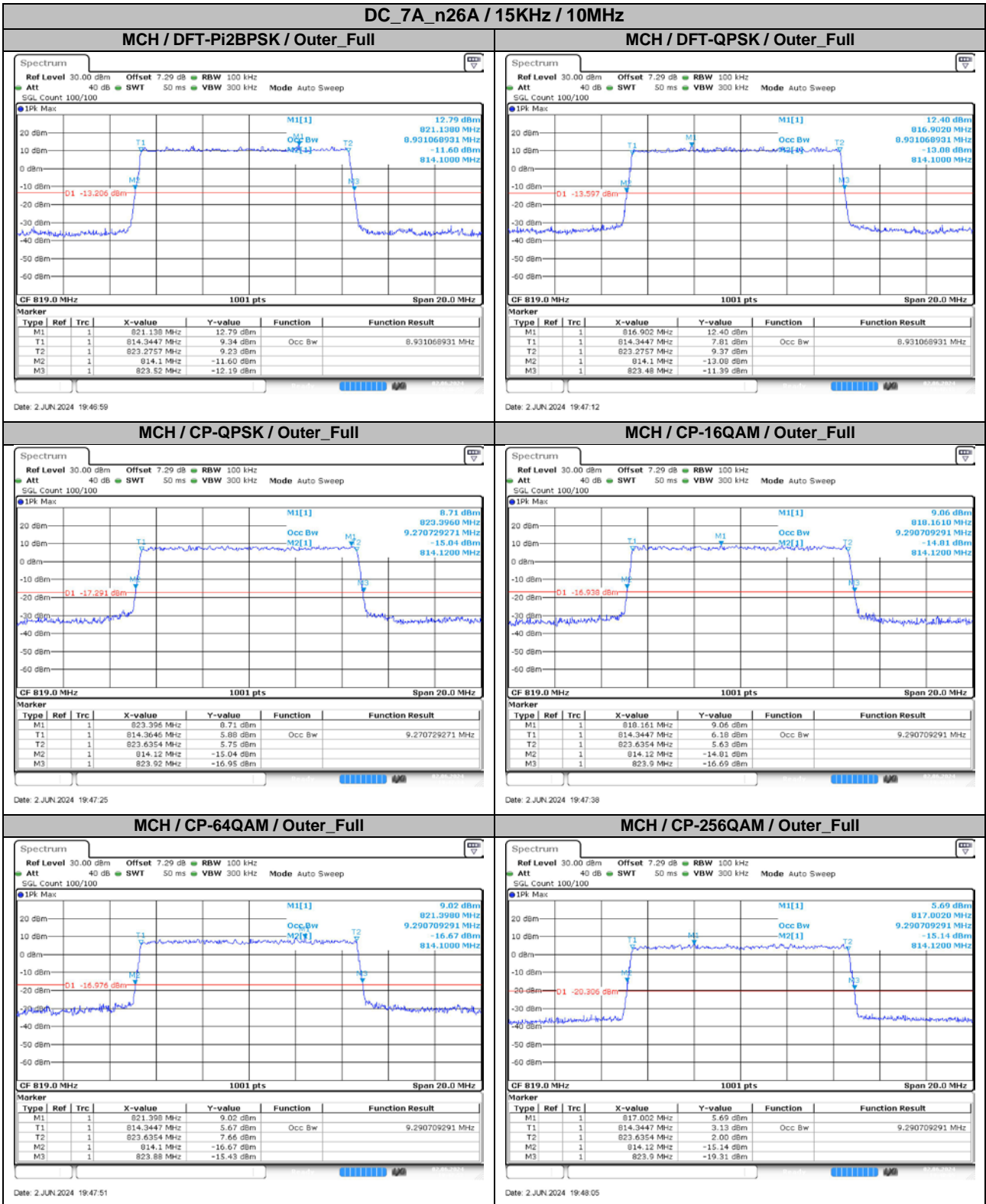
4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

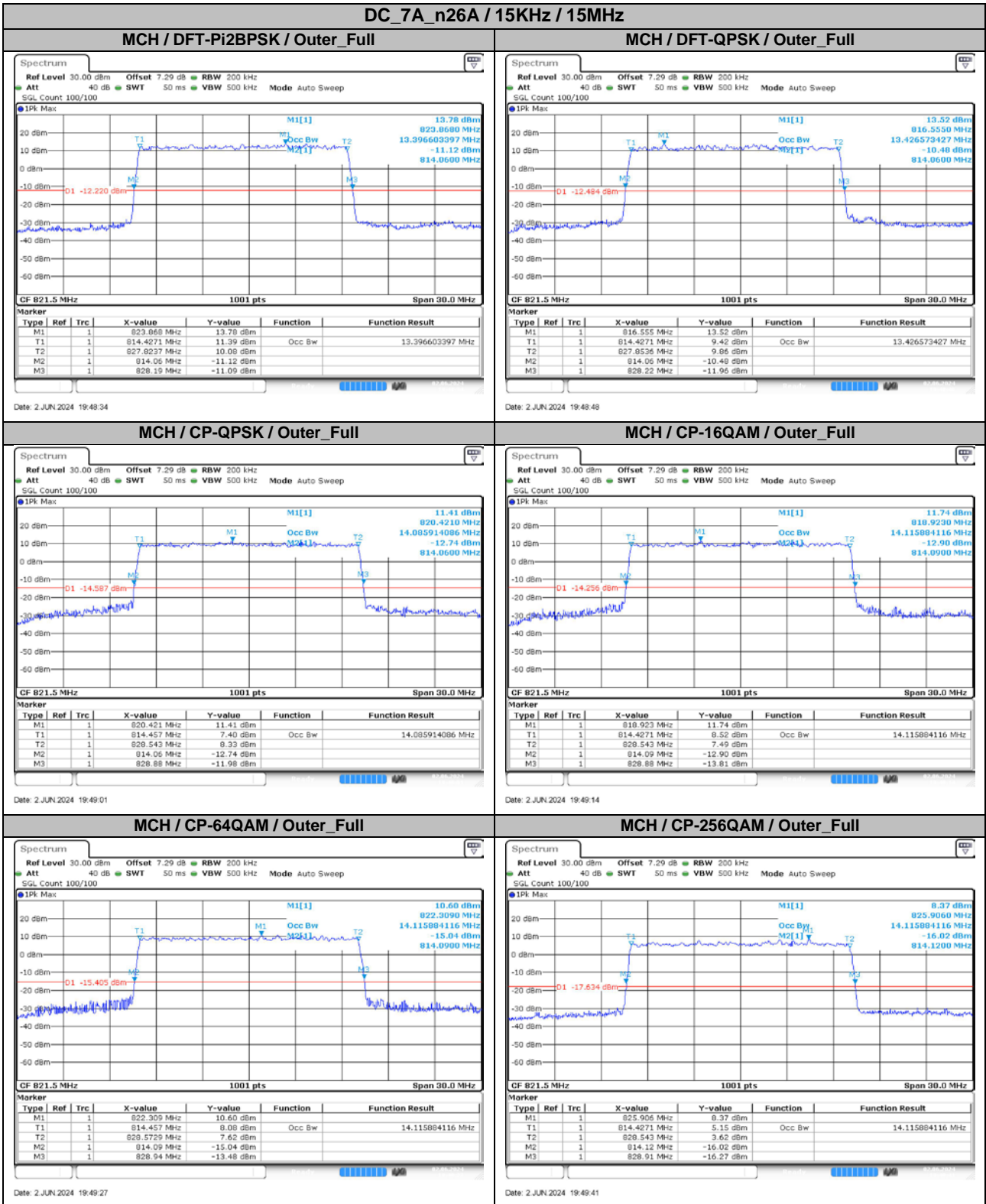
4.1. Test Results

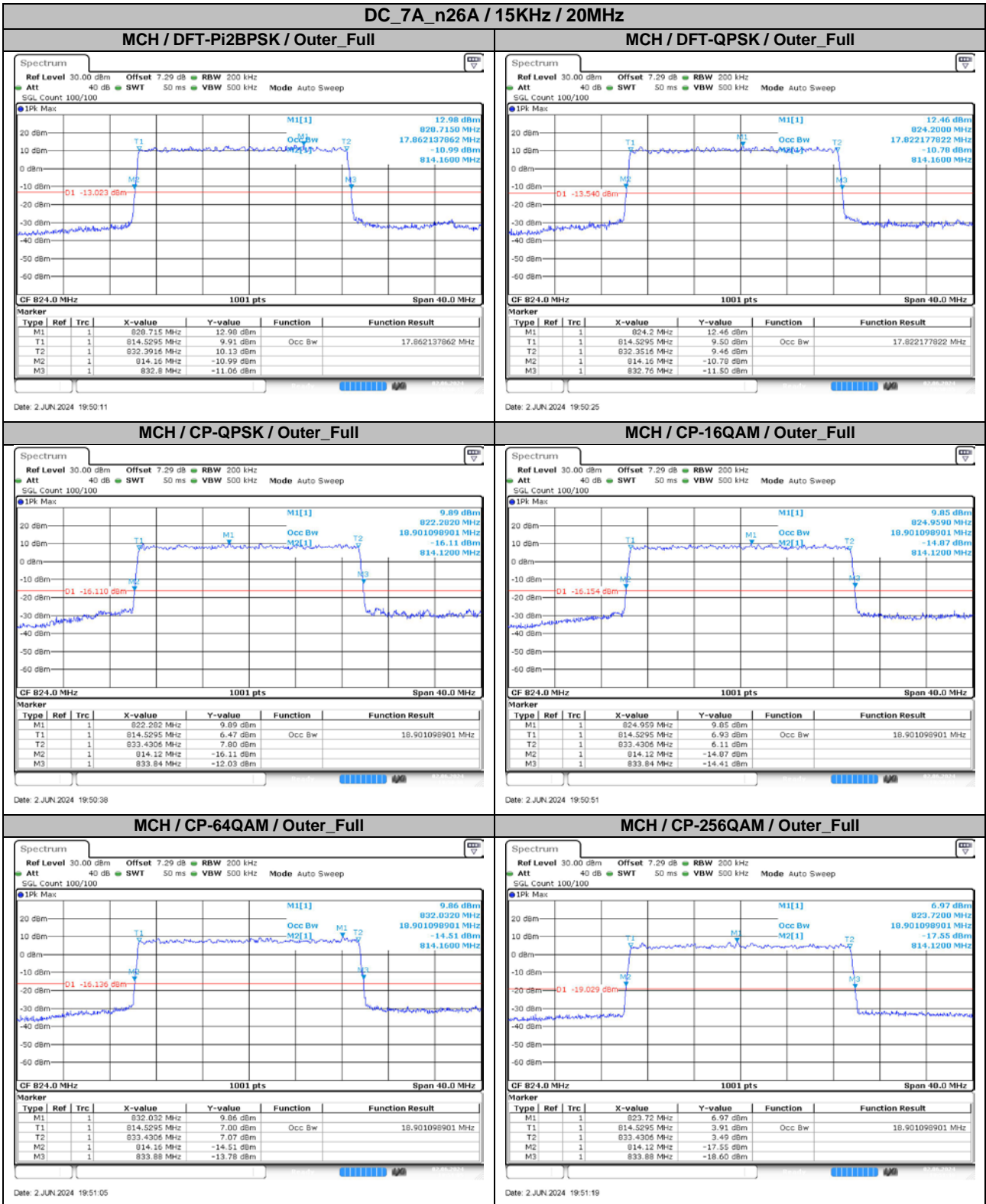
SCS	Bandwidth	Modulation	RB	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.47	4.83	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.48	4.83	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.47	4.85	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.48	4.85	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.47	4.84	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.47	4.82	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.93	9.42	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.93	9.38	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.27	9.80	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.29	9.78	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.29	9.78	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.29	9.78	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.40	14.13	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.43	14.16	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.09	14.82	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.12	14.79	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.12	14.85	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.12	14.79	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.86	18.64	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.82	18.60	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.90	19.72	Pass
15KHz	20MHz	CP-16QAM	Outer_Full	18.90	19.72	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	18.90	19.72	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	18.90	19.76	Pass

4.2. Test Plots



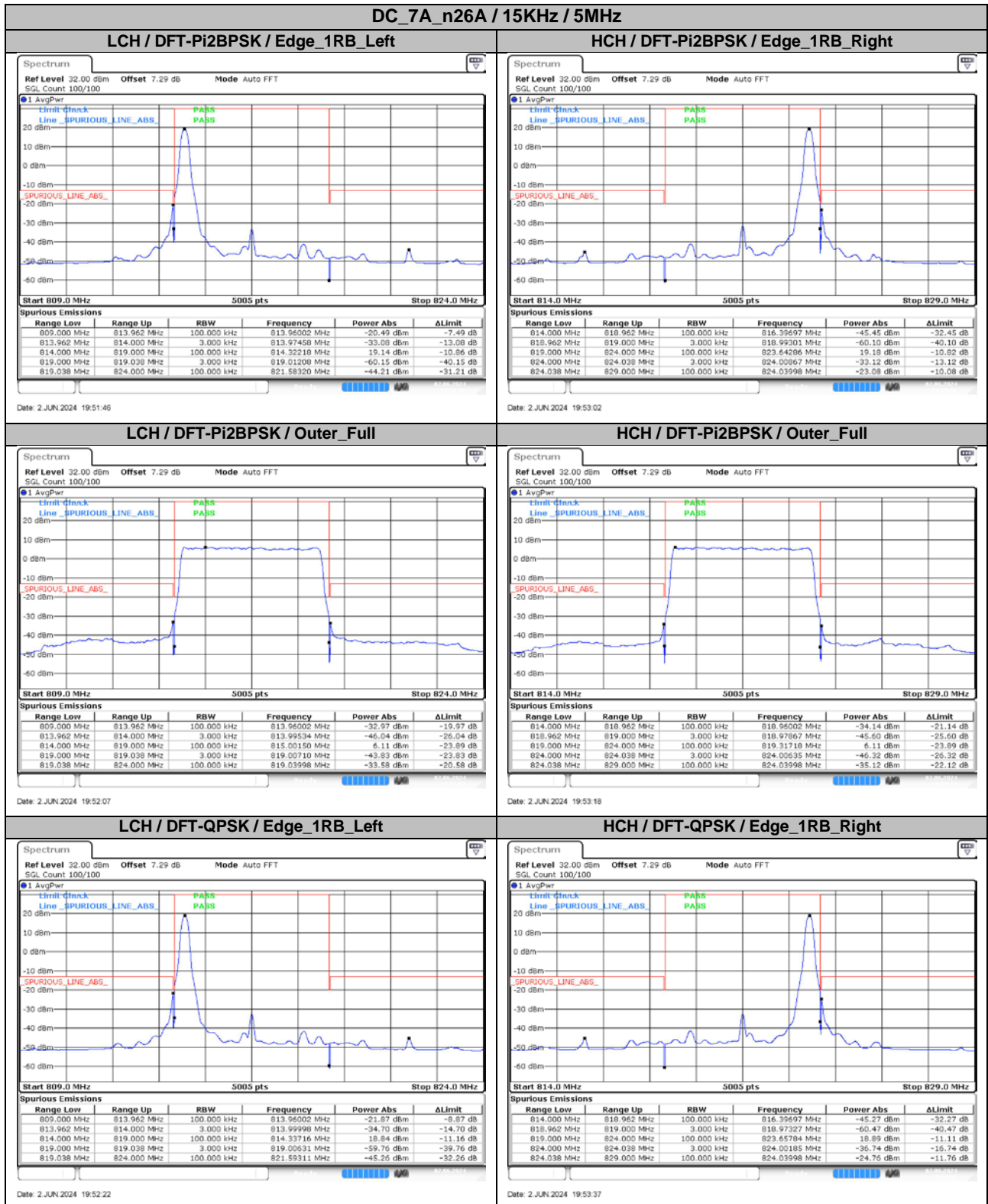


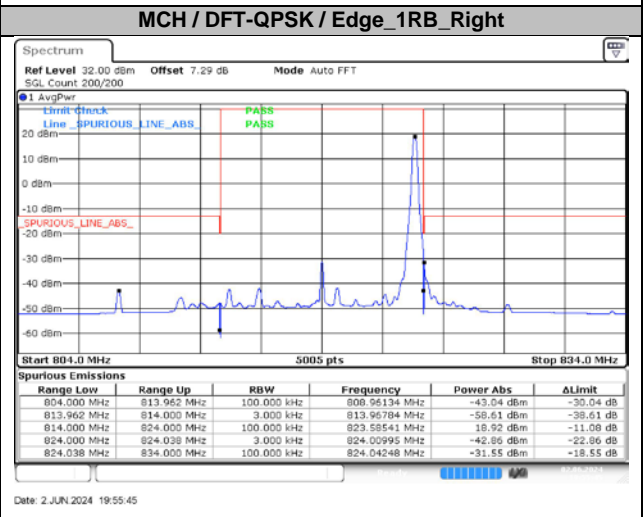
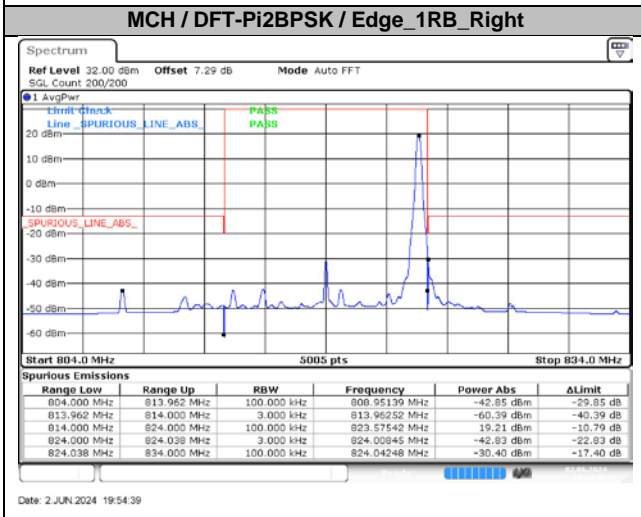
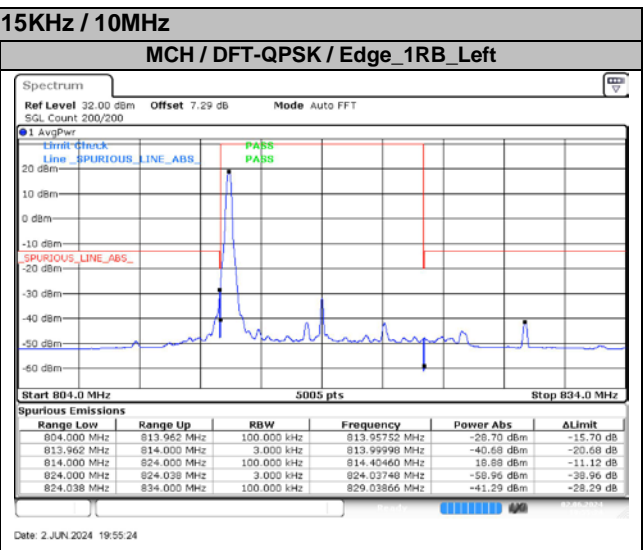
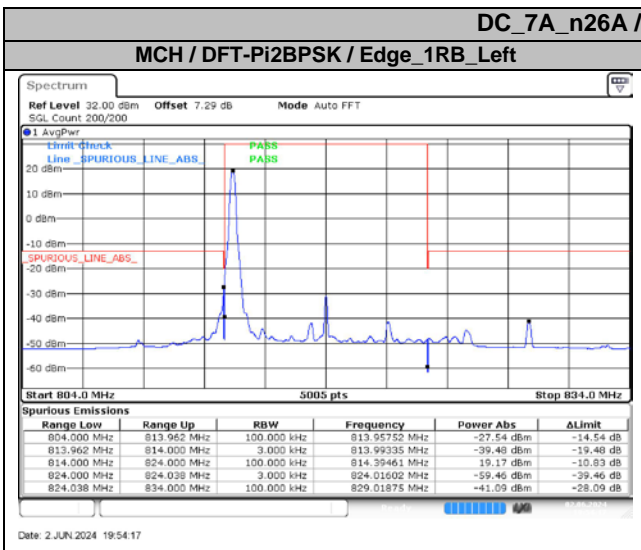
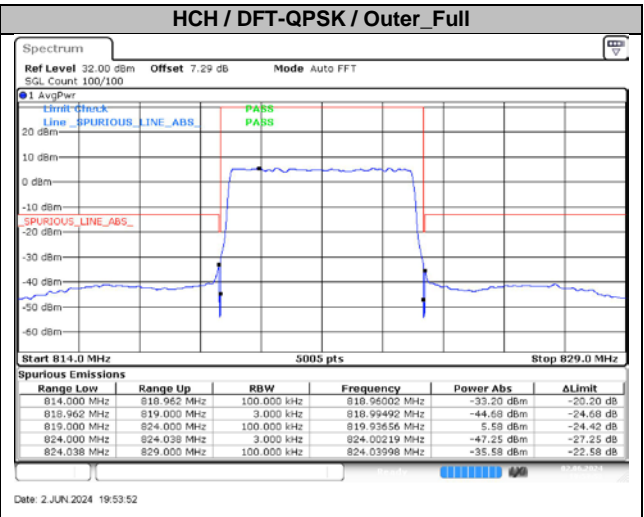
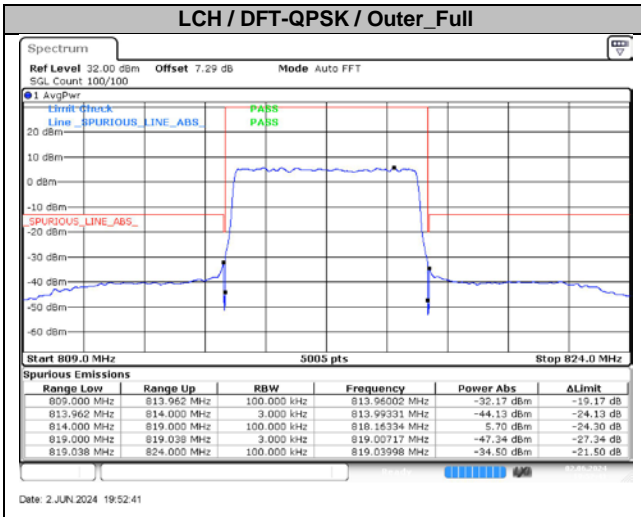


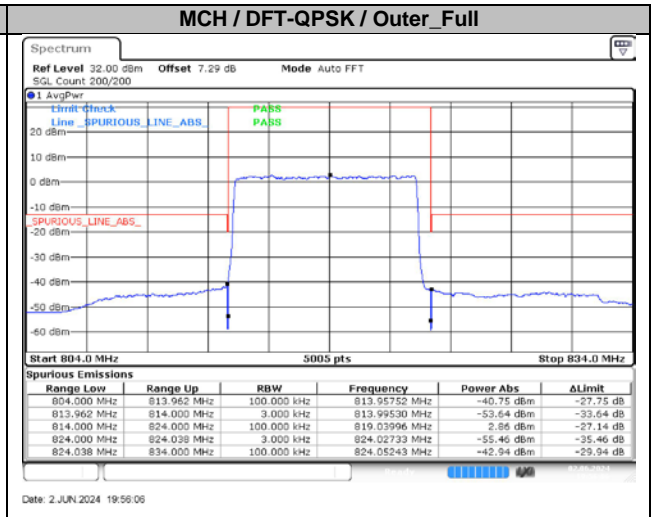
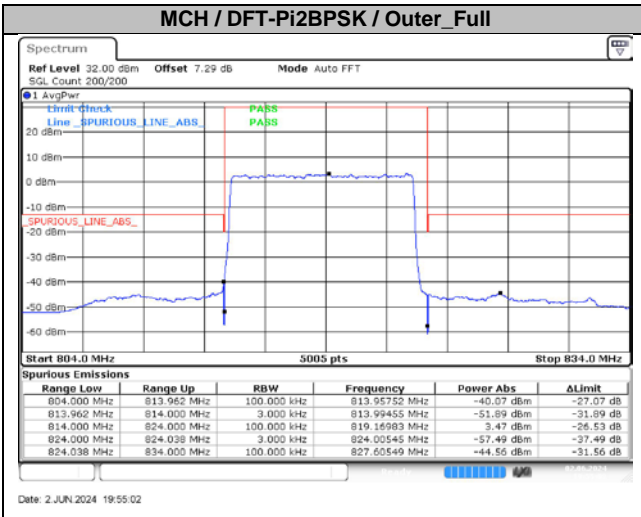


5. Conducted Band Edges

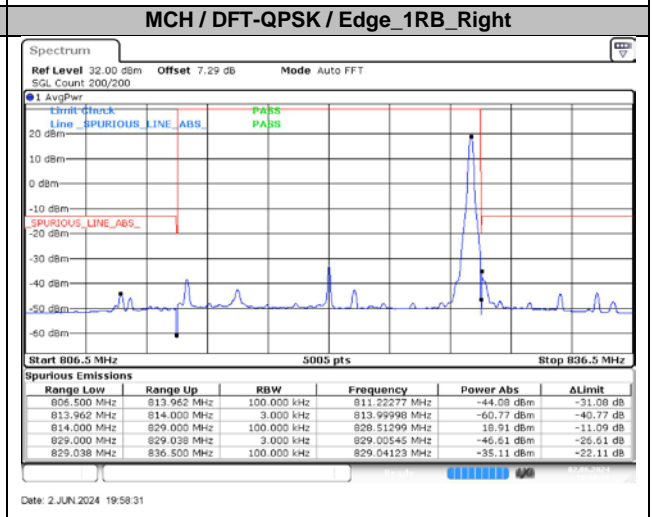
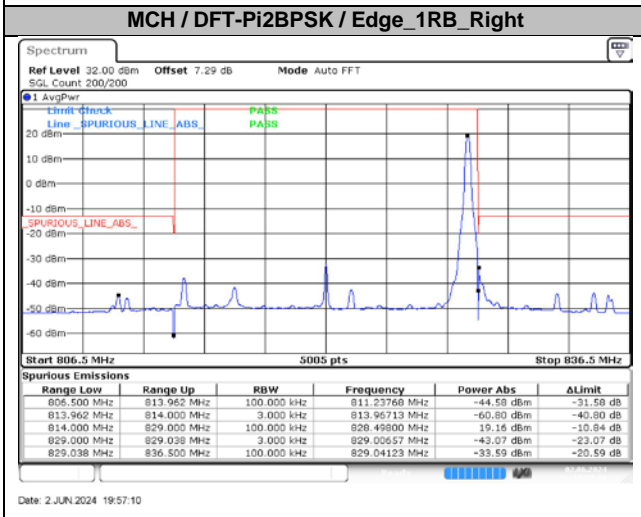
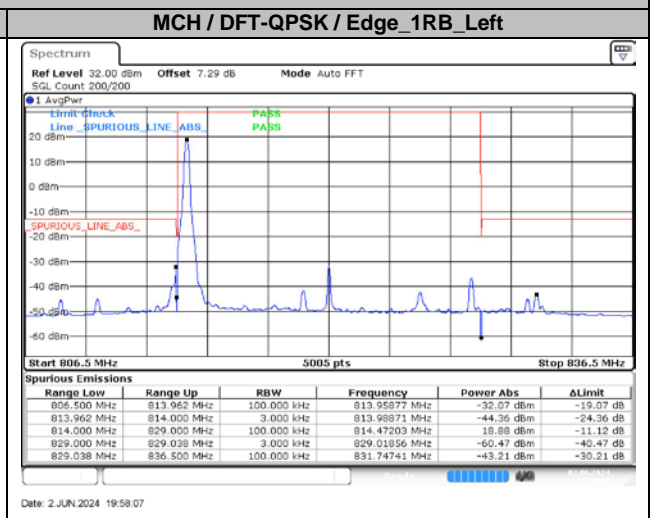
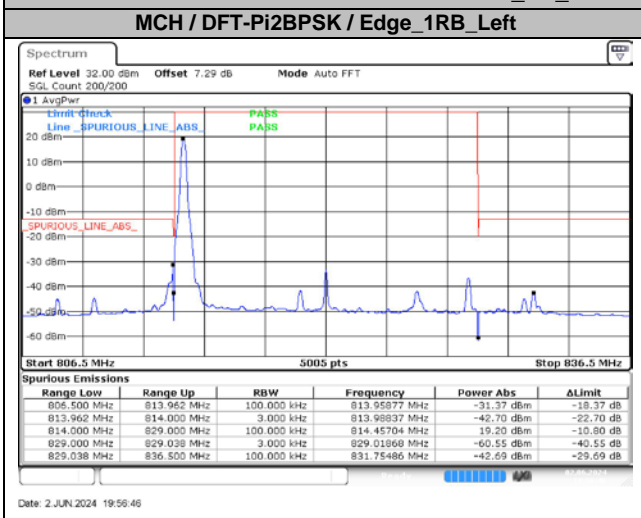
5.1. Test Plots

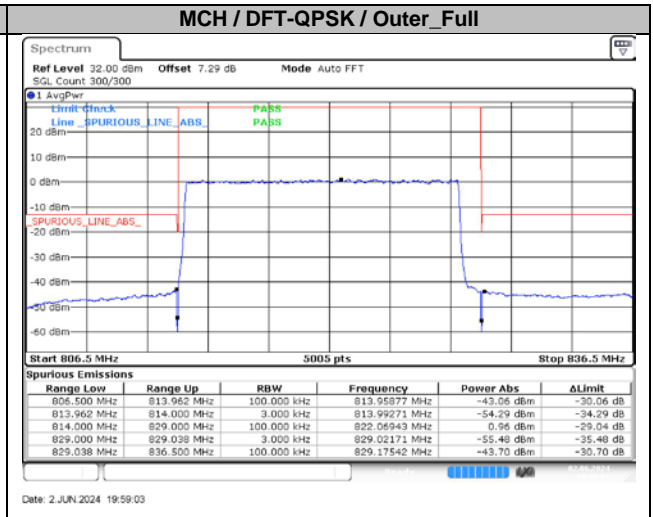
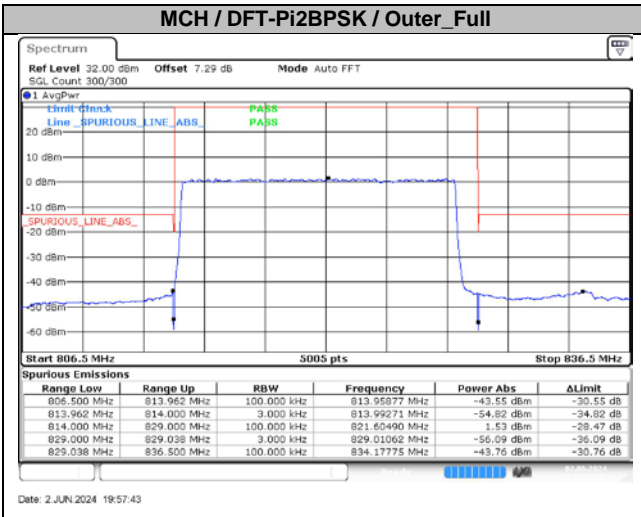




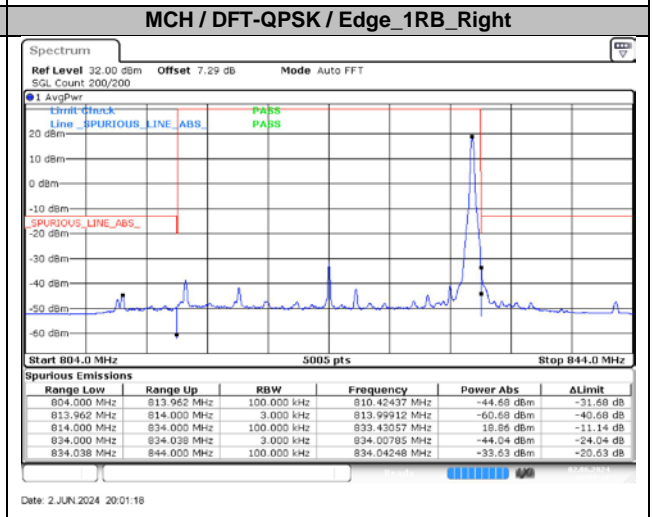
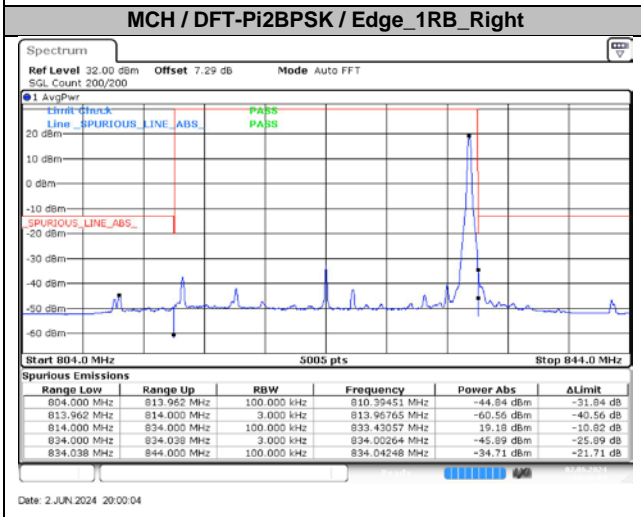
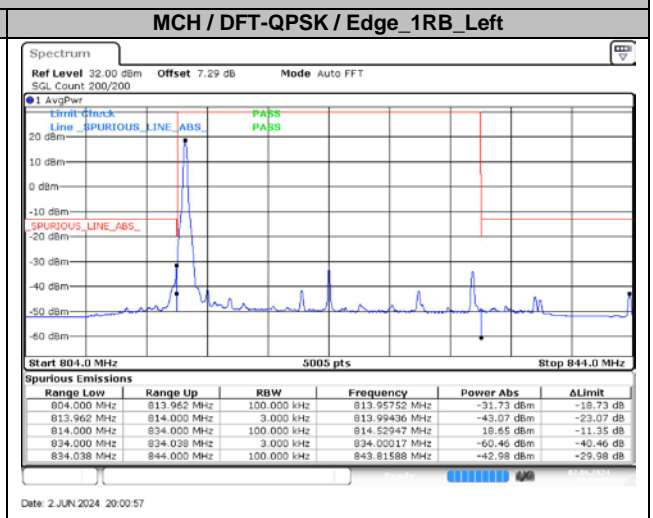
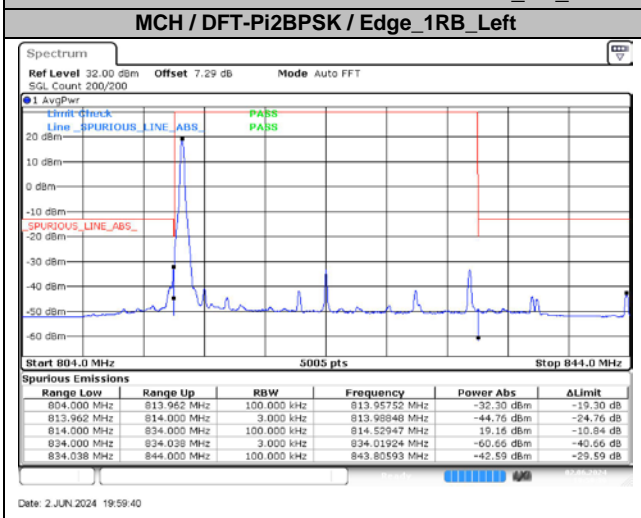


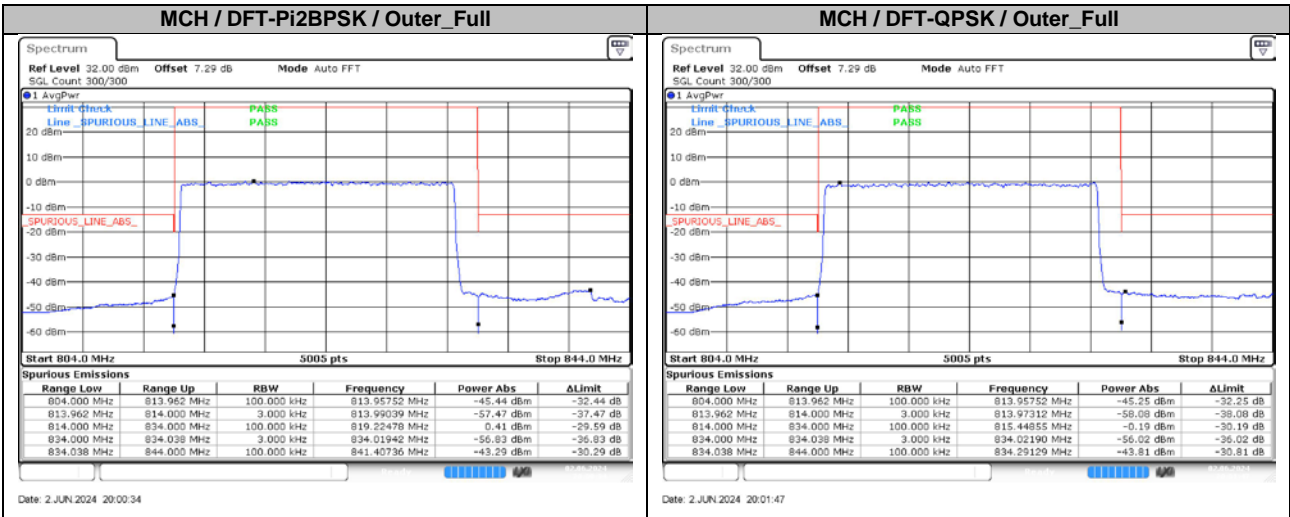
DC_7A_n26A / 15KHz / 15MHz





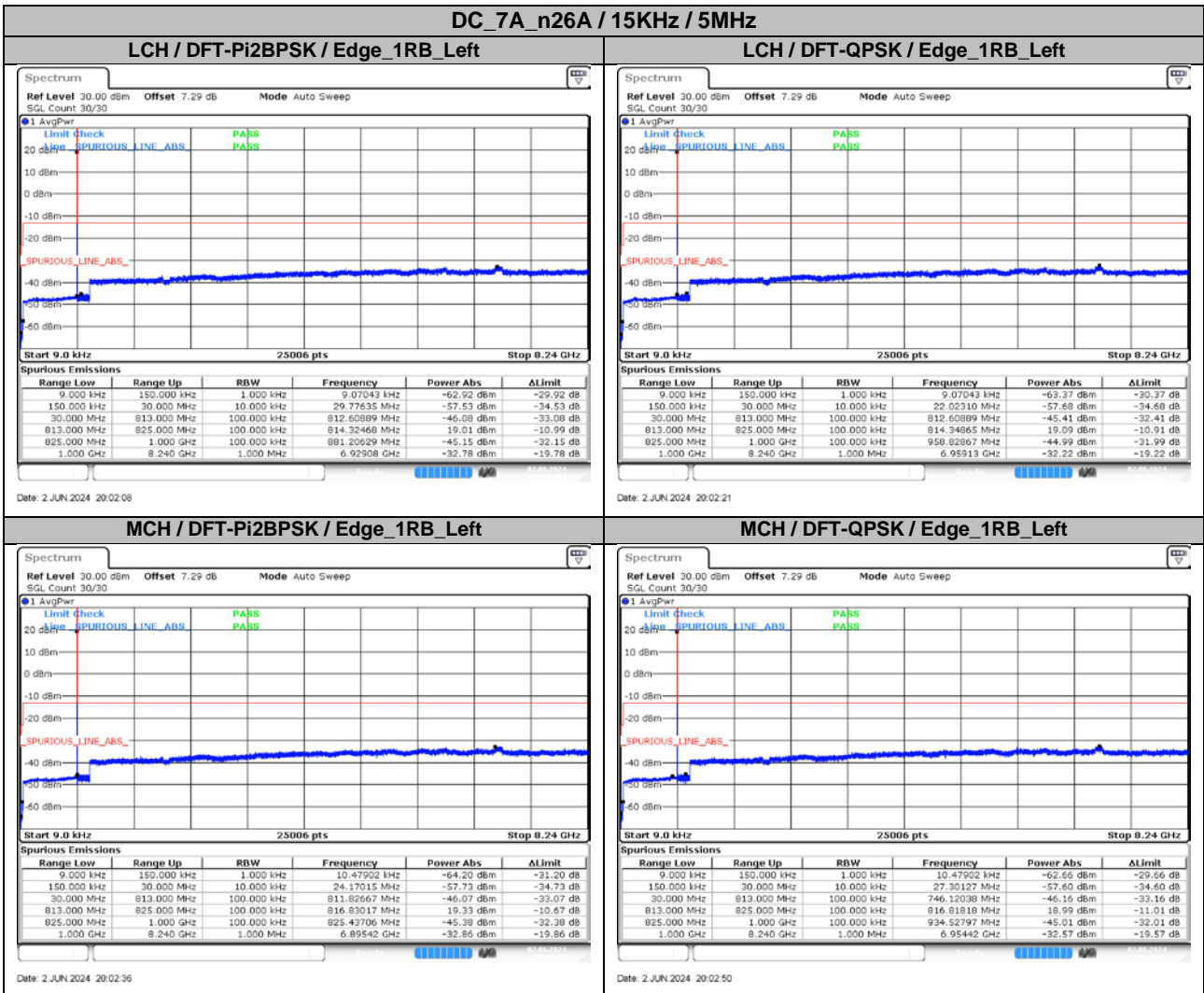
DC_7A_n26A / 15KHz / 20MHz

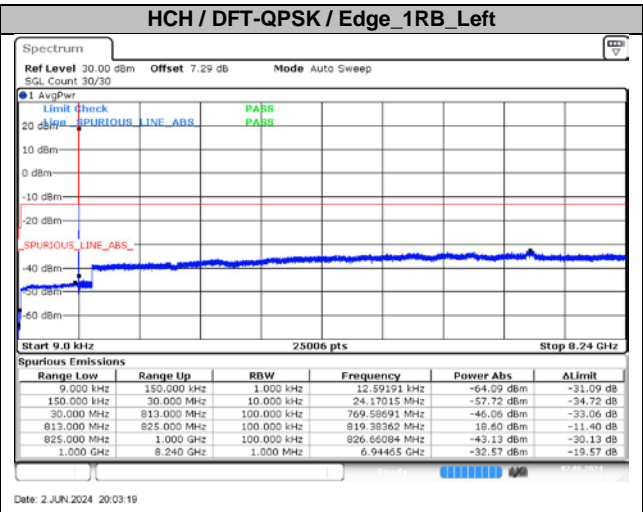
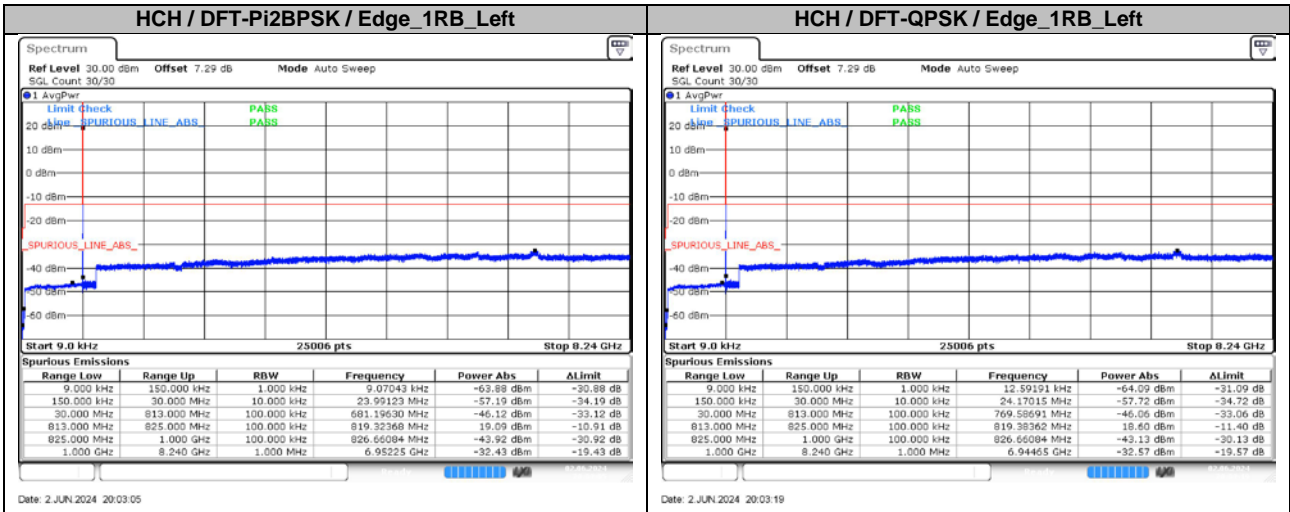




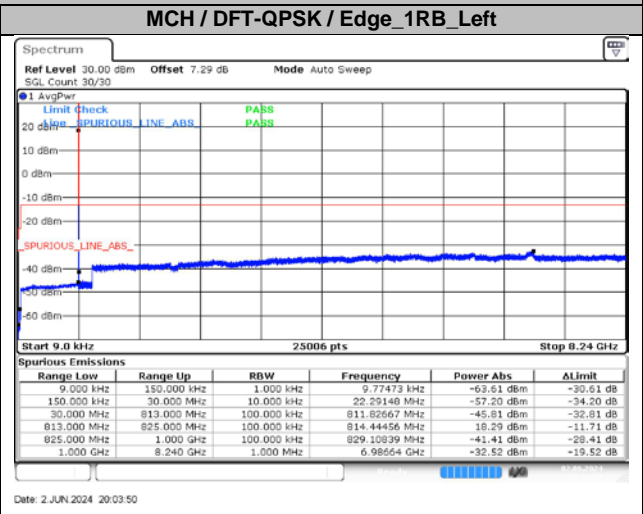
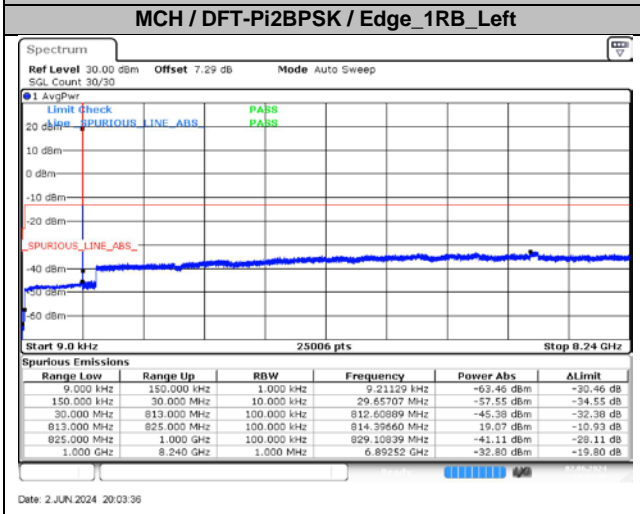
6. Conducted Spurious Emission

6.1. Test Plots

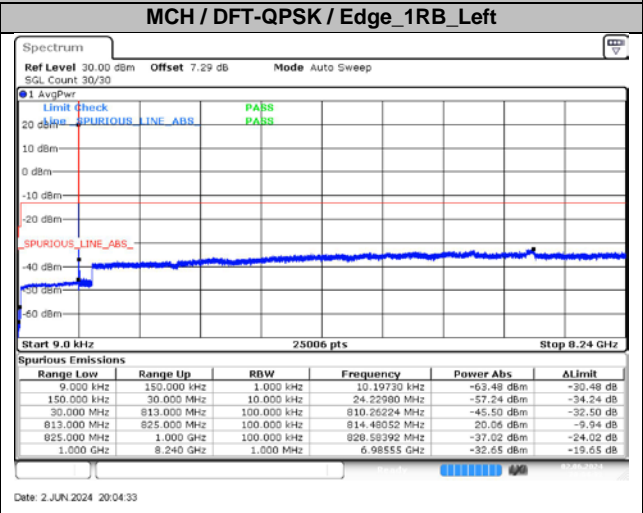
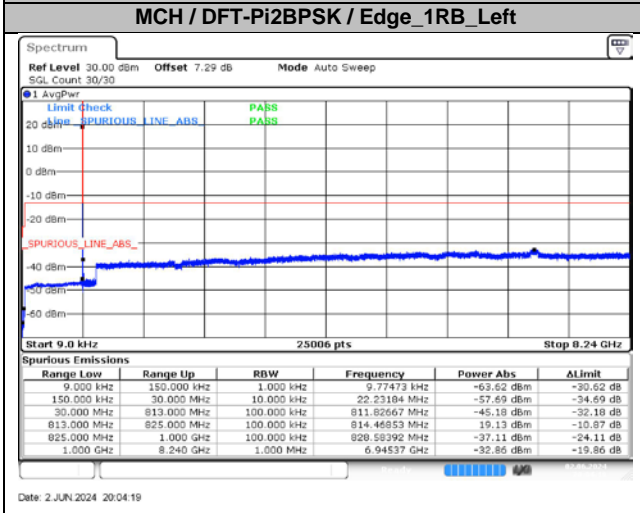


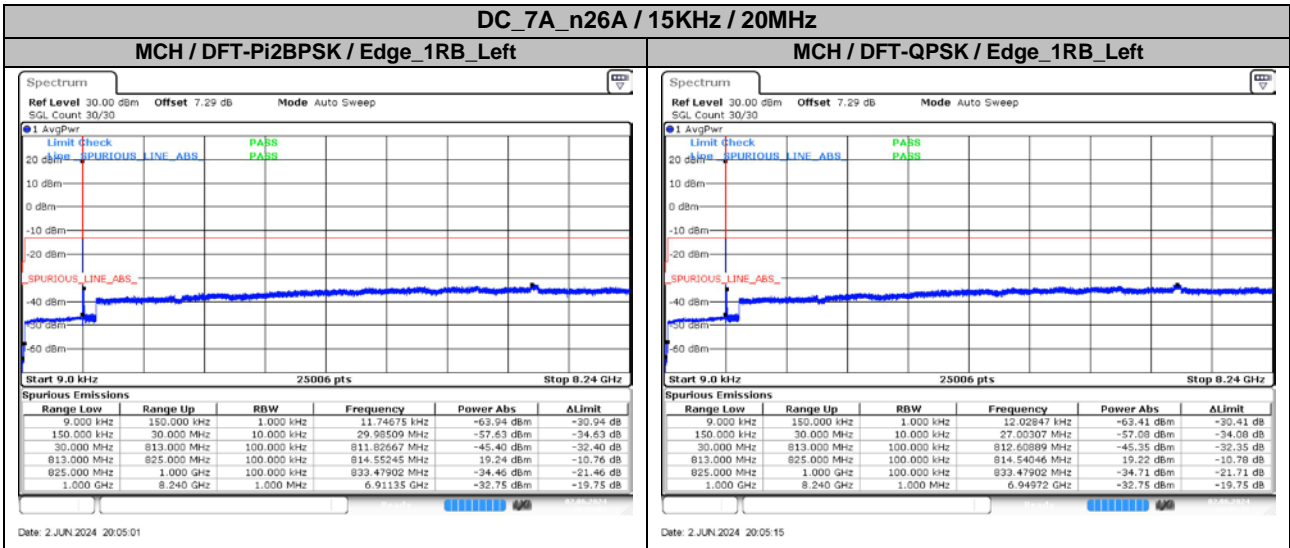


DC_7A_n26A / 15KHz / 10MHz



DC_7A_n26A / 15KHz / 15MHz





7. Frequency Stability

7.1. Test Results

7.1.1. Frequency Error Vs Voltage

SCS	Bandwidth	Channel	RB Config	Modulation	Temperature	Voltage	Deviation Result		Verdict
							(Hz)	(ppm)	
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	NT	LV	-6.10	-0.007403	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	NT	NV	-4.70	-0.005704	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	NT	HV	-3.90	-0.004733	Pass

7.1.2. Frequency Error Vs Temperature

SCS	Bandwidth	Channel	RB Config	Modulation	Temperature	Voltage	Deviation Result		Verdict
							(Hz)	(ppm)	
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	-30°C	NV	-6.50	-0.007888	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	-20°C	NV	-4.30	-0.005218	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	-10°C	NV	-7.00	-0.008495	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	0°C	NV	-7.70	-0.009345	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	10°C	NV	-8.20	-0.009951	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	20°C	NV	-6.10	-0.007403	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	30°C	NV	-5.30	-0.006432	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	40°C	NV	-5.80	-0.007039	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	50°C	NV	-5.60	-0.006796	Pass

The End