

**Appendix
for
n26A
(824-849)**

Catalogue

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1. Effective Radiated Power

1.1. Test Results @ Ant0 (Antenna Gain=-4.11dBi)

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	23.57	23.51	23.58	17.32	38.45	Pass
15KHz	5MHz	LCH	DFT-QPSK	23.47	23.45	23.52	17.26	38.45	Pass
15KHz	5MHz	LCH	DFT-16QAM	22.48	22.46	22.69	16.43	38.45	Pass
15KHz	5MHz	LCH	DFT-64QAM	21.31	21.23	21.16	15.05	38.45	Pass
15KHz	5MHz	LCH	DFT-256QAM	18.68	18.65	19.19	12.93	38.45	Pass
15KHz	5MHz	LCH	CP-QPSK	22.06	22.03	22.17	15.91	38.45	Pass
15KHz	5MHz	LCH	CP-16QAM	23.46	23.53	23.53	17.27	38.45	Pass
15KHz	5MHz	LCH	CP-64QAM	23.44	23.52	23.48	17.26	38.45	Pass
15KHz	5MHz	LCH	CP-256QAM	22.46	22.62	22.71	16.45	38.45	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	21.18	21.27	21.15	15.01	38.45	Pass
15KHz	5MHz	MCH	DFT-QPSK	18.67	18.73	19.06	12.80	38.45	Pass
15KHz	5MHz	MCH	DFT-16QAM	22.01	22.05	22.12	15.86	38.45	Pass
15KHz	5MHz	MCH	DFT-64QAM	23.59	23.60	23.63	17.37	38.45	Pass
15KHz	5MHz	MCH	DFT-256QAM	23.56	23.51	23.64	17.38	38.45	Pass
15KHz	5MHz	MCH	CP-QPSK	22.47	22.49	22.79	16.53	38.45	Pass
15KHz	5MHz	MCH	CP-16QAM	21.21	21.35	21.22	15.09	38.45	Pass
15KHz	5MHz	MCH	CP-64QAM	18.63	18.75	19.18	12.92	38.45	Pass
15KHz	5MHz	MCH	CP-256QAM	21.99	22.13	22.21	15.95	38.45	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	23.65	23.54	23.58	17.39	38.45	Pass
15KHz	5MHz	HCH	DFT-QPSK	23.51	23.48	23.53	17.27	38.45	Pass
15KHz	5MHz	HCH	DFT-16QAM	22.60	22.54	22.65	16.39	38.45	Pass
15KHz	5MHz	HCH	DFT-64QAM	21.31	21.29	21.10	15.05	38.45	Pass
15KHz	5MHz	HCH	DFT-256QAM	18.66	18.64	19.18	12.92	38.45	Pass
15KHz	5MHz	HCH	CP-QPSK	22.12	22.04	22.03	15.86	38.45	Pass
15KHz	5MHz	HCH	CP-16QAM	23.54	23.60	23.57	17.34	38.45	Pass
15KHz	5MHz	HCH	CP-64QAM	23.52	23.50	23.57	17.31	38.45	Pass
15KHz	5MHz	HCH	CP-256QAM	22.49	22.60	22.59	16.34	38.45	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	21.25	21.30	21.16	15.04	38.45	Pass
15KHz	10MHz	LCH	DFT-QPSK	18.55	18.65	19.04	12.78	38.45	Pass
15KHz	10MHz	LCH	DFT-16QAM	22.02	22.14	21.99	15.88	38.45	Pass
15KHz	10MHz	LCH	DFT-64QAM	23.58	23.62	23.62	17.36	38.45	Pass
15KHz	10MHz	LCH	DFT-256QAM	23.48	23.45	23.54	17.28	38.45	Pass
15KHz	10MHz	LCH	CP-QPSK	22.46	22.49	22.58	16.32	38.45	Pass
15KHz	10MHz	LCH	CP-16QAM	21.31	21.29	21.13	15.05	38.45	Pass
15KHz	10MHz	LCH	CP-64QAM	18.63	18.64	19.13	12.87	38.45	Pass
15KHz	10MHz	LCH	CP-256QAM	22.06	22.08	22.09	15.83	38.45	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	23.46	23.36	23.56	17.30	38.45	Pass
15KHz	10MHz	MCH	DFT-QPSK	23.47	23.30	23.59	17.33	38.45	Pass
15KHz	10MHz	MCH	DFT-16QAM	22.43	22.32	22.55	16.29	38.45	Pass
15KHz	10MHz	MCH	DFT-64QAM	21.18	21.07	21.09	14.92	38.45	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.54	18.55	19.06	12.80	38.45	Pass
15KHz	10MHz	MCH	CP-QPSK	21.98	21.95	21.97	15.72	38.45	Pass
15KHz	10MHz	MCH	CP-16QAM	23.49	23.44	23.42	17.23	38.45	Pass
15KHz	10MHz	MCH	CP-64QAM	23.39	23.36	23.47	17.21	38.45	Pass
15KHz	10MHz	MCH	CP-256QAM	22.46	22.41	22.51	16.25	38.45	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	21.14	21.16	21.03	14.90	38.45	Pass
15KHz	10MHz	HCH	DFT-QPSK	18.56	18.64	18.99	12.73	38.45	Pass
15KHz	10MHz	HCH	DFT-16QAM	22.04	22.04	21.98	15.78	38.45	Pass
15KHz	10MHz	HCH	DFT-64QAM	23.40	23.48	23.48	17.22	38.45	Pass
15KHz	10MHz	HCH	DFT-256QAM	23.28	23.35	23.54	17.28	38.45	Pass
15KHz	10MHz	HCH	CP-QPSK	22.31	22.38	22.54	16.28	38.45	Pass
15KHz	10MHz	HCH	CP-16QAM	21.08	21.18	21.10	14.92	38.45	Pass
15KHz	10MHz	HCH	CP-64QAM	18.46	18.67	18.99	12.73	38.45	Pass
15KHz	10MHz	HCH	CP-256QAM	21.92	22.11	22.05	15.85	38.45	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	23.53	23.42	23.57	17.31	38.45	Pass
15KHz	15MHz	LCH	DFT-QPSK	23.54	23.41	23.53	17.28	38.45	Pass
15KHz	15MHz	LCH	DFT-16QAM	22.40	22.41	22.51	16.25	38.45	Pass
15KHz	15MHz	LCH	DFT-64QAM	21.14	21.10	21.11	14.88	38.45	Pass

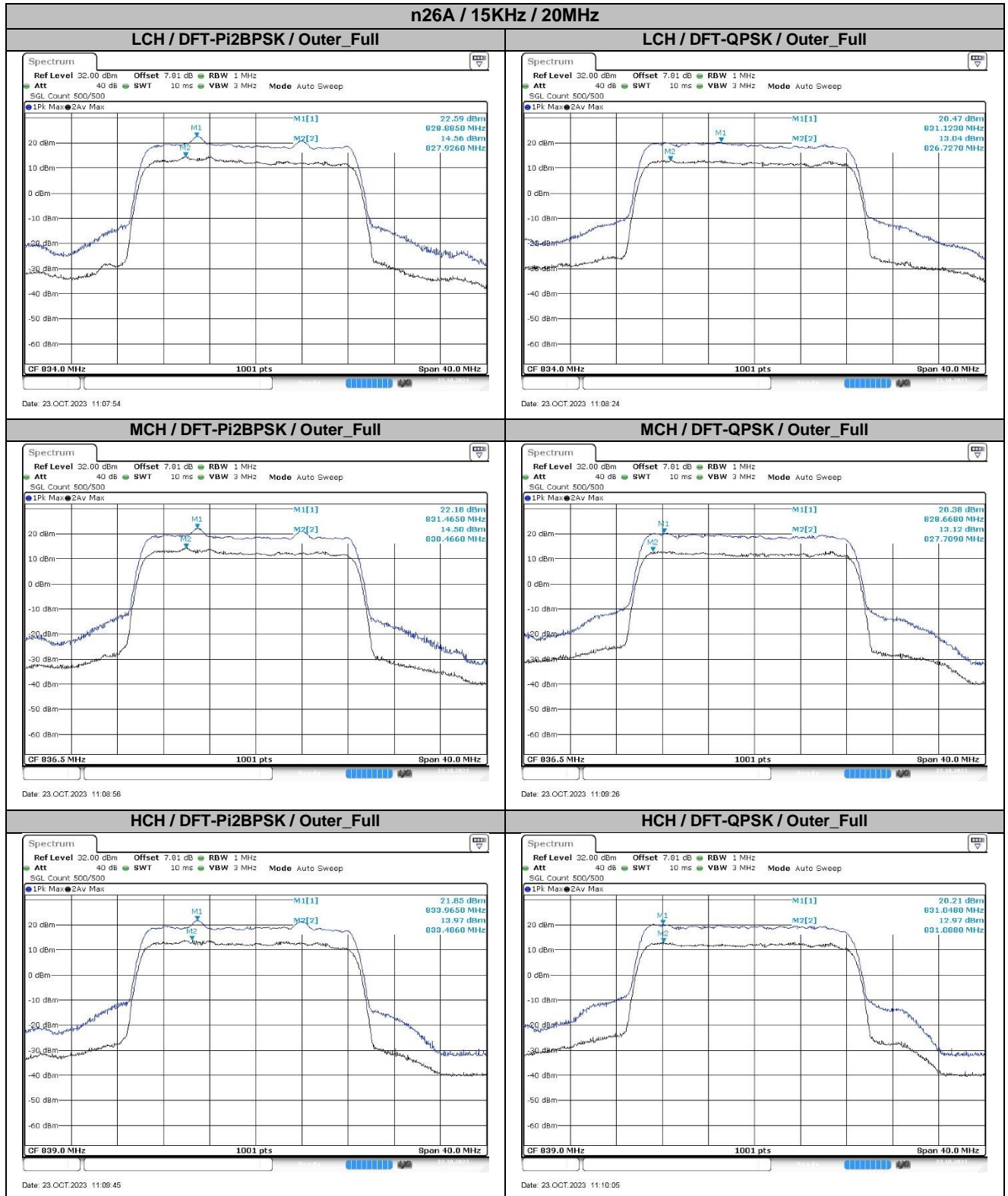
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15KHz	15MHz	LCH	CP-16QAM	23.48	23.53	23.52	17.27	38.45	Pass
15KHz	15MHz	LCH	CP-64QAM	23.42	23.36	23.49	17.23	38.45	Pass
15KHz	15MHz	LCH	CP-256QAM	22.42	22.40	22.47	16.21	38.45	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	21.22	21.12	21.10	14.96	38.45	Pass
15KHz	15MHz	MCH	DFT-QPSK	18.66	18.65	19.07	12.81	38.45	Pass
15KHz	15MHz	MCH	DFT-16QAM	22.06	21.89	21.98	15.80	38.45	Pass
15KHz	15MHz	MCH	DFT-64QAM	23.45	23.49	23.59	17.33	38.45	Pass
15KHz	15MHz	MCH	DFT-256QAM	23.37	23.35	23.48	17.22	38.45	Pass
15KHz	15MHz	MCH	CP-QPSK	22.38	22.49	22.50	16.24	38.45	Pass
15KHz	15MHz	MCH	CP-16QAM	21.15	21.19	21.05	14.93	38.45	Pass
15KHz	15MHz	MCH	CP-64QAM	18.60	18.70	18.97	12.71	38.45	Pass
15KHz	15MHz	MCH	CP-256QAM	22.02	22.03	22.09	15.83	38.45	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	23.57	23.51	23.58	17.32	38.45	Pass
15KHz	15MHz	HCH	DFT-QPSK	23.47	23.45	23.52	17.26	38.45	Pass
15KHz	15MHz	HCH	DFT-16QAM	22.48	22.46	22.69	16.43	38.45	Pass
15KHz	15MHz	HCH	DFT-64QAM	21.31	21.23	21.16	15.05	38.45	Pass
15KHz	15MHz	HCH	DFT-256QAM	18.68	18.65	19.19	12.93	38.45	Pass
15KHz	15MHz	HCH	CP-QPSK	22.06	22.03	22.17	15.91	38.45	Pass
15KHz	15MHz	HCH	CP-16QAM	23.46	23.53	23.53	17.27	38.45	Pass
15KHz	15MHz	HCH	CP-64QAM	23.44	23.52	23.48	17.26	38.45	Pass
15KHz	15MHz	HCH	CP-256QAM	22.46	22.62	22.71	16.45	38.45	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	21.18	21.27	21.15	15.01	38.45	Pass
15KHz	20MHz	LCH	DFT-QPSK	18.67	18.73	19.06	12.80	38.45	Pass
15KHz	20MHz	LCH	DFT-16QAM	22.01	22.05	22.12	15.86	38.45	Pass
15KHz	20MHz	LCH	DFT-64QAM	23.59	23.60	23.63	17.37	38.45	Pass
15KHz	20MHz	LCH	DFT-256QAM	23.56	23.51	23.64	17.38	38.45	Pass
15KHz	20MHz	LCH	CP-QPSK	22.47	22.49	22.79	16.53	38.45	Pass
15KHz	20MHz	LCH	CP-16QAM	21.21	21.35	21.22	15.09	38.45	Pass
15KHz	20MHz	LCH	CP-64QAM	18.63	18.75	19.18	12.92	38.45	Pass
15KHz	20MHz	LCH	CP-256QAM	21.99	22.13	22.21	15.95	38.45	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	23.65	23.54	23.58	17.39	38.45	Pass
15KHz	20MHz	MCH	DFT-QPSK	23.51	23.48	23.53	17.27	38.45	Pass
15KHz	20MHz	MCH	DFT-16QAM	22.60	22.54	22.65	16.39	38.45	Pass
15KHz	20MHz	MCH	DFT-64QAM	21.31	21.29	21.10	15.05	38.45	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.66	18.64	19.18	12.92	38.45	Pass
15KHz	20MHz	MCH	CP-QPSK	22.12	22.04	22.03	15.86	38.45	Pass
15KHz	20MHz	MCH	CP-16QAM	23.54	23.60	23.57	17.34	38.45	Pass
15KHz	20MHz	MCH	CP-64QAM	23.52	23.50	23.57	17.31	38.45	Pass
15KHz	20MHz	MCH	CP-256QAM	22.49	22.60	22.59	16.34	38.45	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	21.25	21.30	21.16	15.04	38.45	Pass
15KHz	20MHz	HCH	DFT-QPSK	18.55	18.65	19.04	12.78	38.45	Pass
15KHz	20MHz	HCH	DFT-16QAM	22.02	22.14	21.99	15.88	38.45	Pass
15KHz	20MHz	HCH	DFT-64QAM	23.58	23.62	23.62	17.36	38.45	Pass
15KHz	20MHz	HCH	DFT-256QAM	23.48	23.45	23.54	17.28	38.45	Pass
15KHz	20MHz	HCH	CP-QPSK	22.46	22.49	22.58	16.32	38.45	Pass
15KHz	20MHz	HCH	CP-16QAM	21.31	21.29	21.13	15.05	38.45	Pass
15KHz	20MHz	HCH	CP-64QAM	18.63	18.64	19.13	12.87	38.45	Pass
15KHz	20MHz	HCH	CP-256QAM	22.06	22.08	22.09	15.83	38.45	Pass

2. Peak-to-Average Ratio

2.1. Test Results

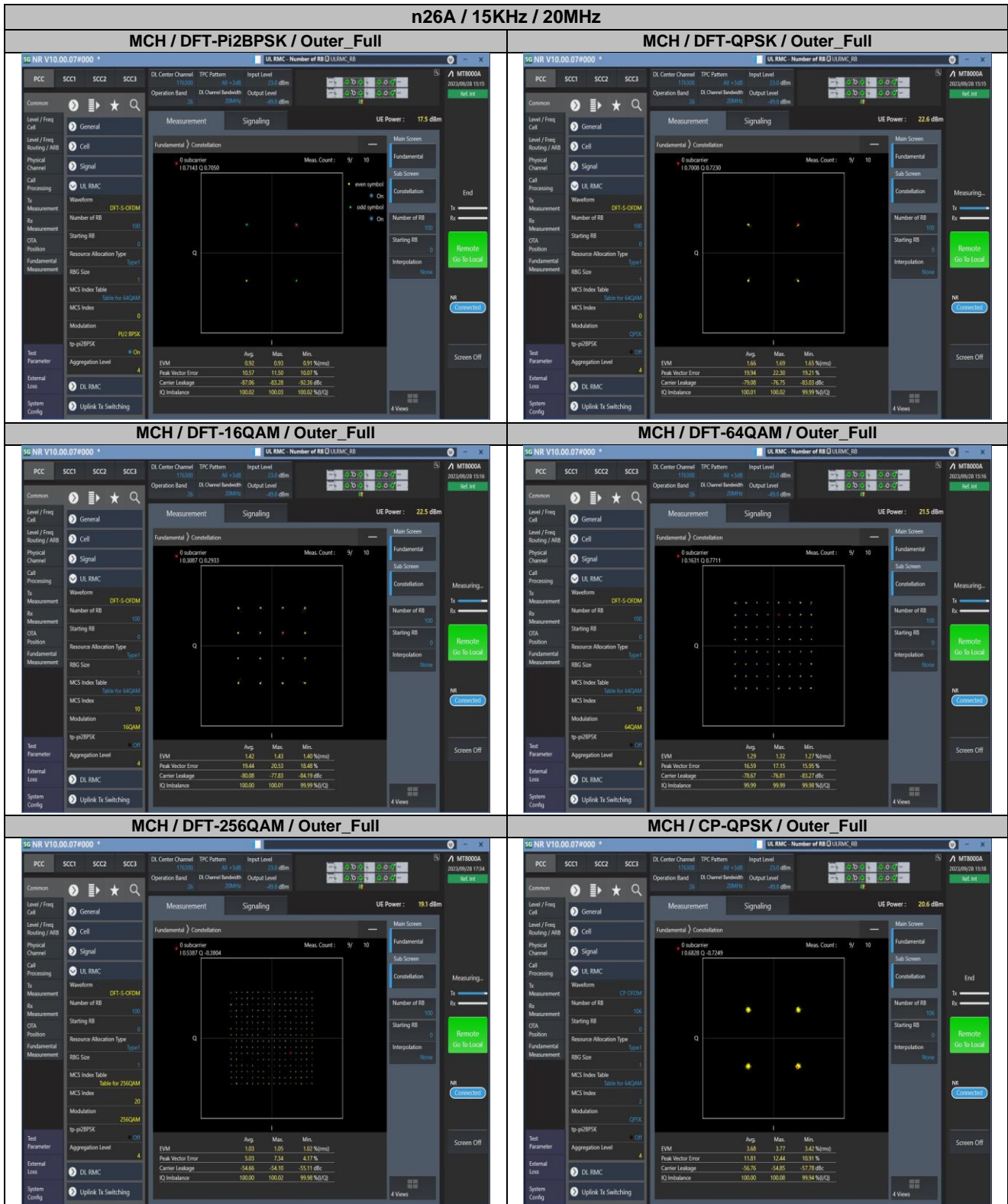
SCS	Bandwidth	Channel	Modulation	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	20MHz	LCH	Outer_Full	8.03	7.43	13.00	Pass
15KHz	20MHz	MCH	Outer_Full	7.69	7.27	13.00	Pass
15KHz	20MHz	HCH	Outer_Full	7.88	7.24	13.00	Pass

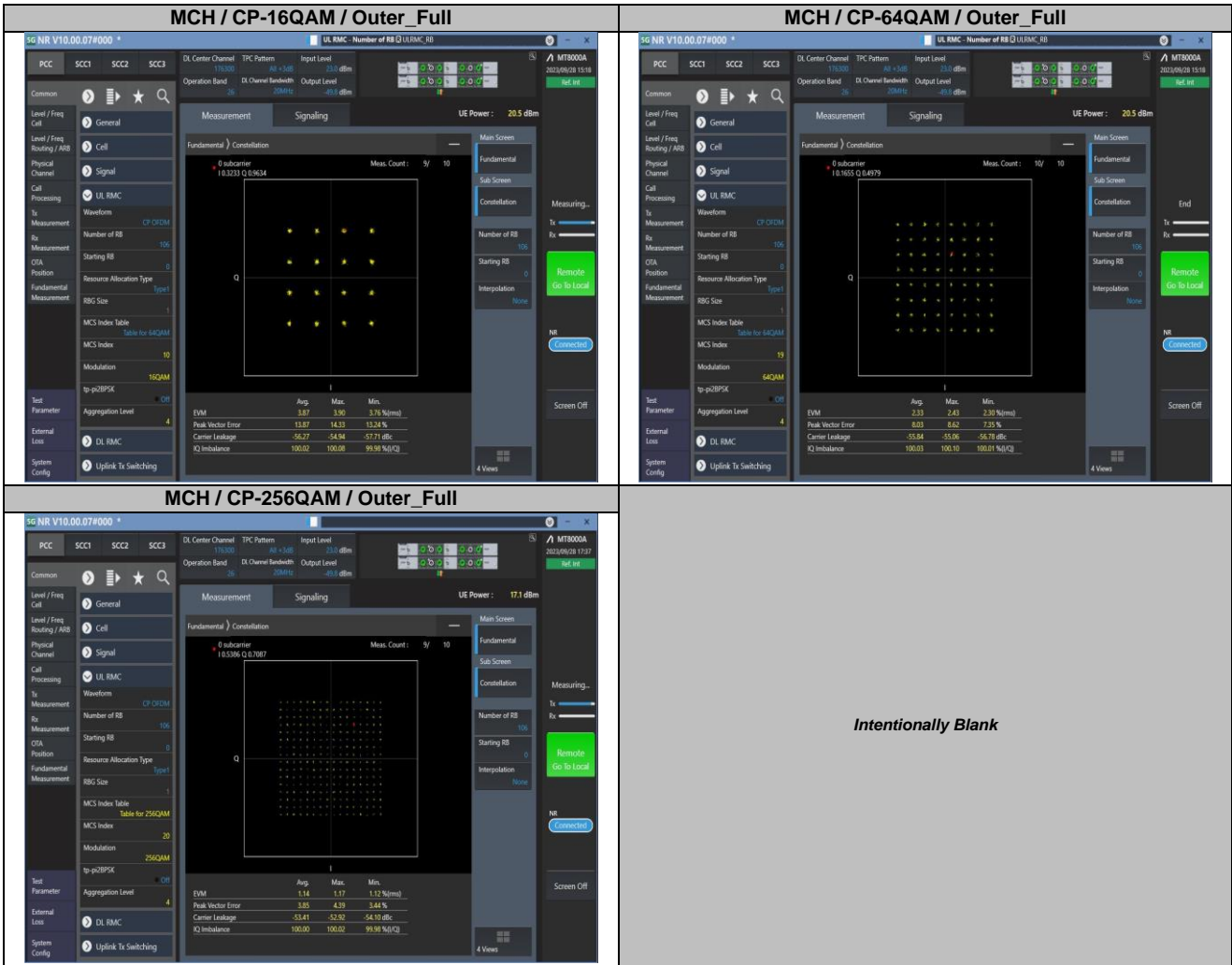
2.2. Test Plots



3. Modulation Characteristics

3.1. Test Plots



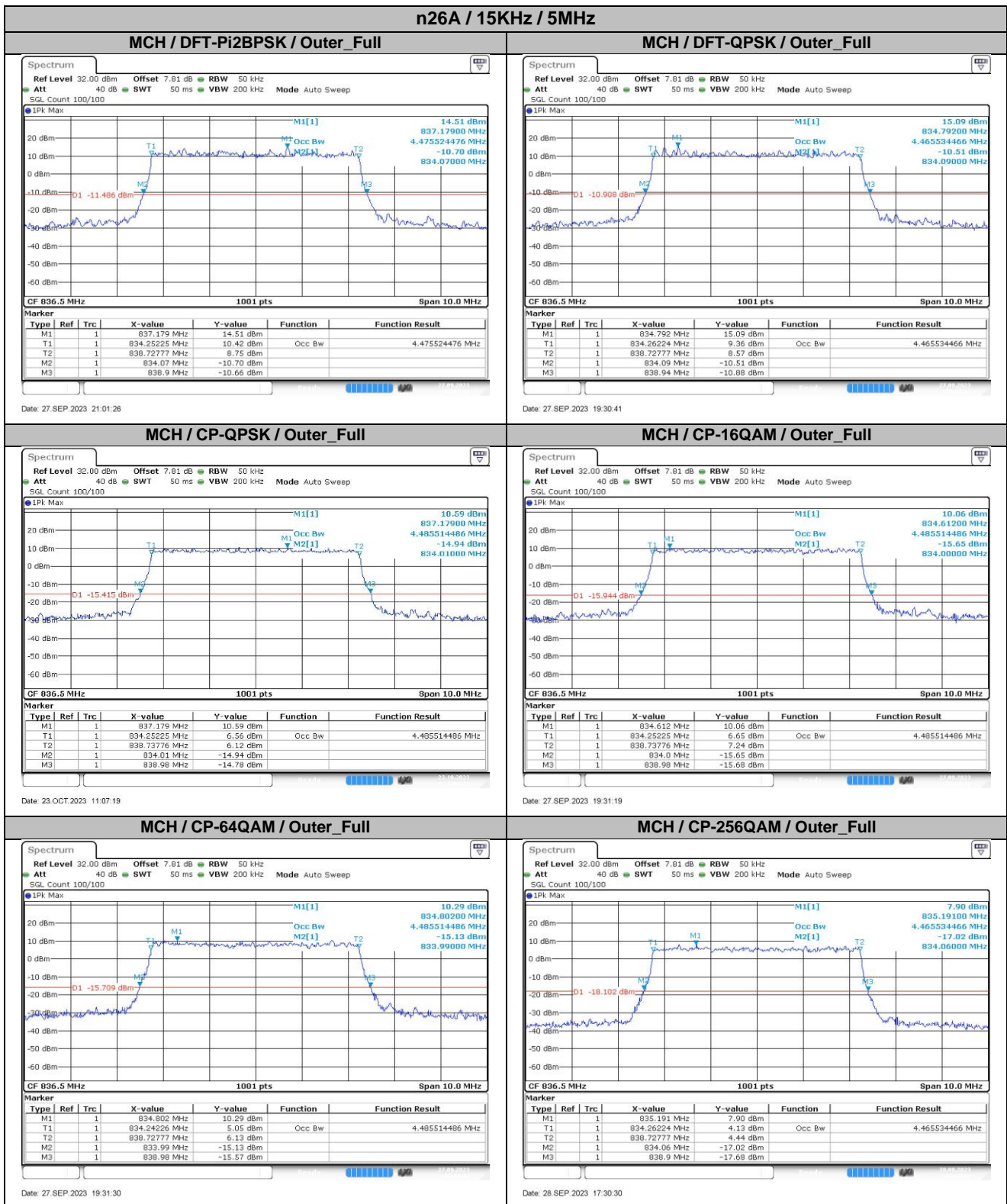


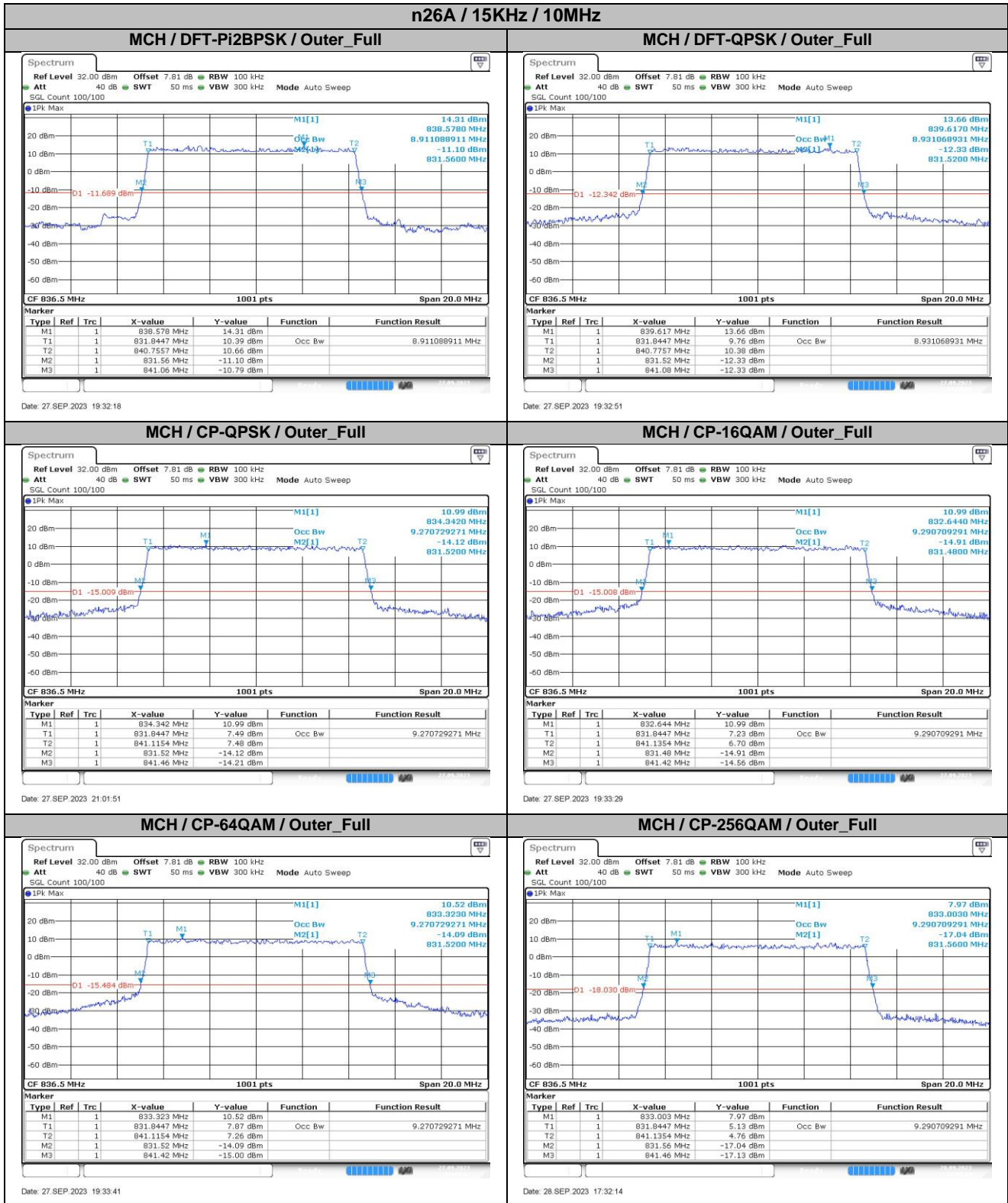
4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

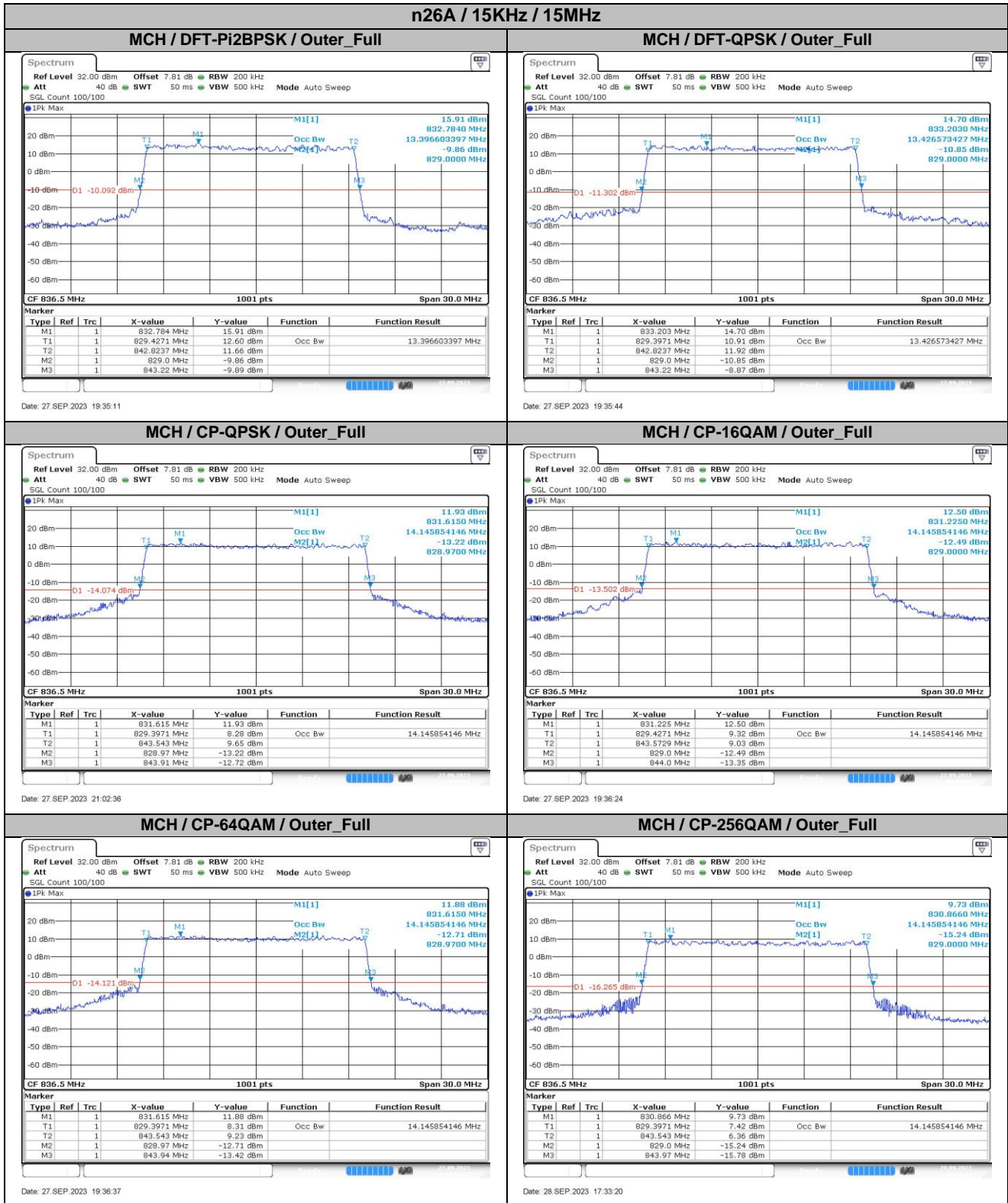
4.1. Test Results

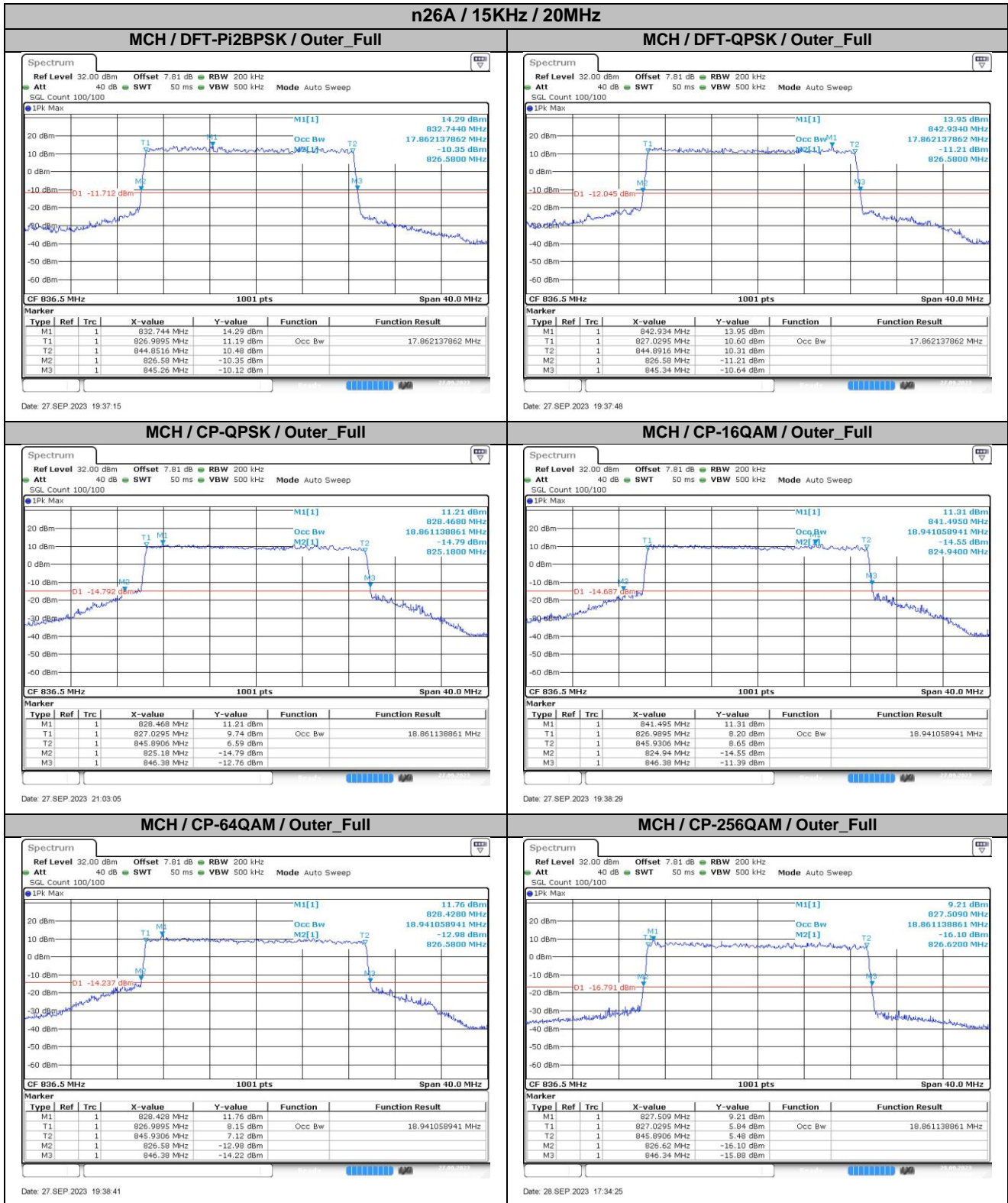
SCS	Bandwidth	Modulation	RB Config	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.48	4.83	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.47	4.85	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.49	4.97	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.49	4.98	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.49	4.99	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.47	4.84	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.91	9.50	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.93	9.56	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.27	9.94	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.29	9.94	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.27	9.90	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.29	9.90	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.40	14.22	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.43	14.22	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.15	14.94	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.15	15.00	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.15	14.97	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.15	14.97	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.86	18.68	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.86	18.76	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.86	21.20	Pass
15KHz	20MHz	CP-16QAM	Outer_Full	18.94	21.44	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	18.94	19.80	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	18.86	19.72	Pass

4.2. Test Plots



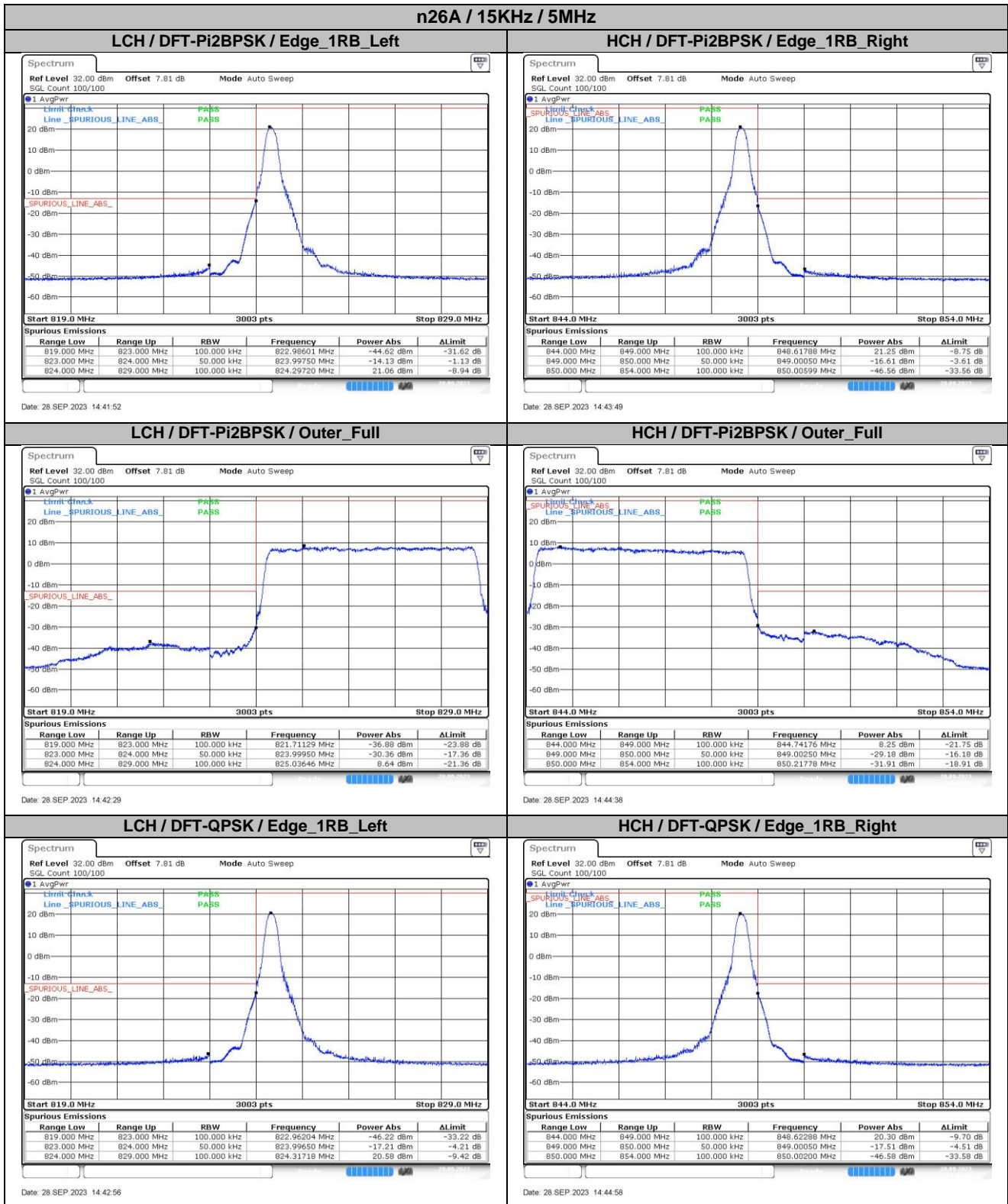


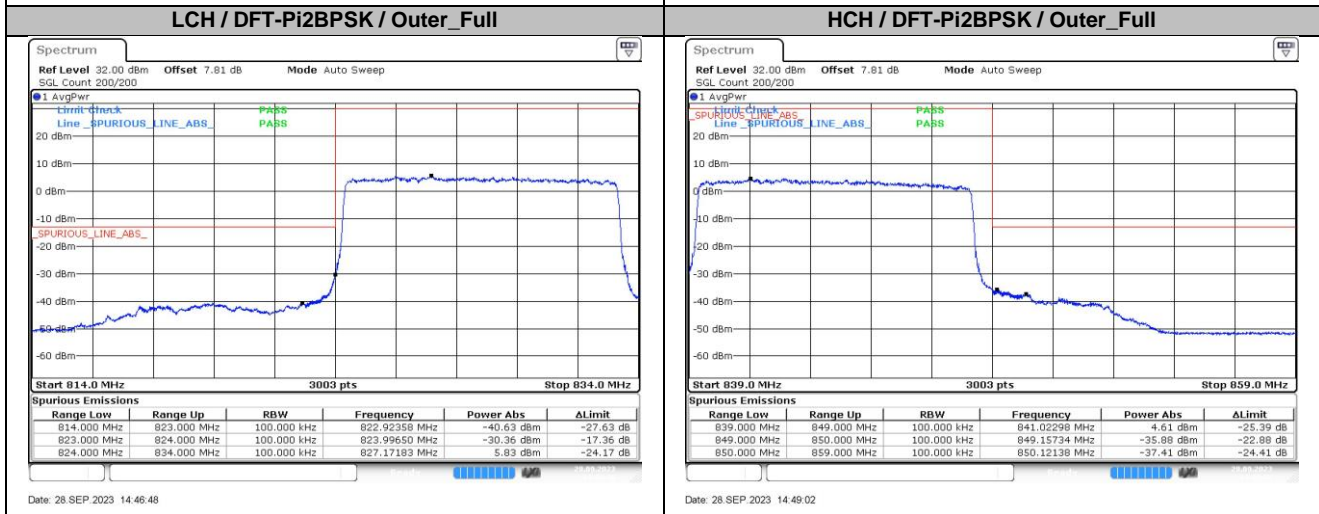
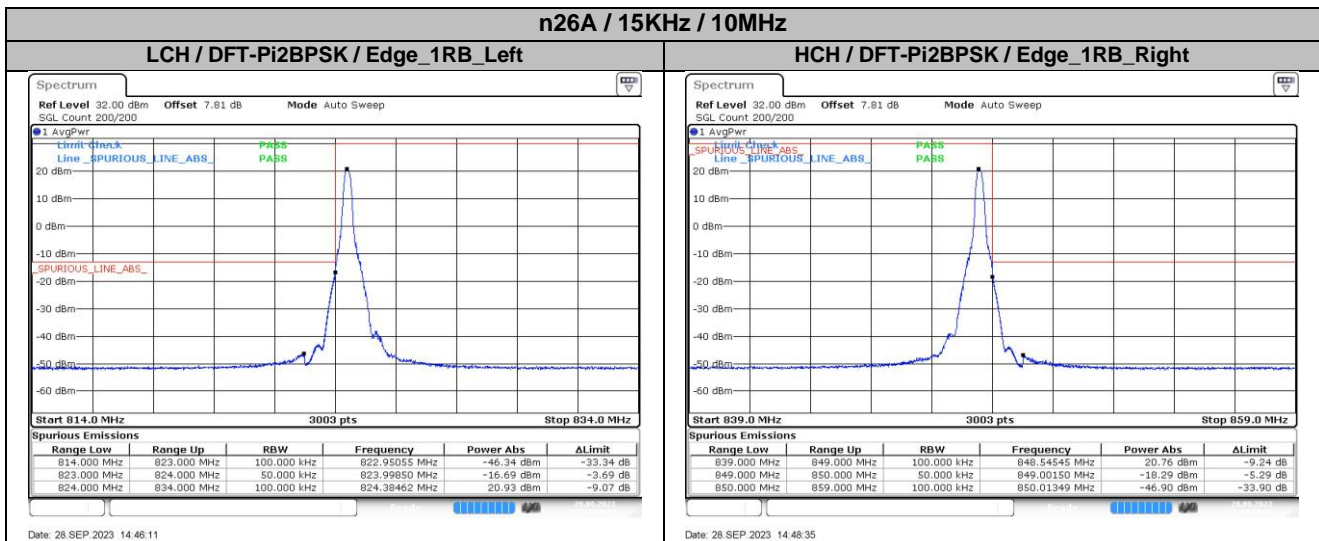
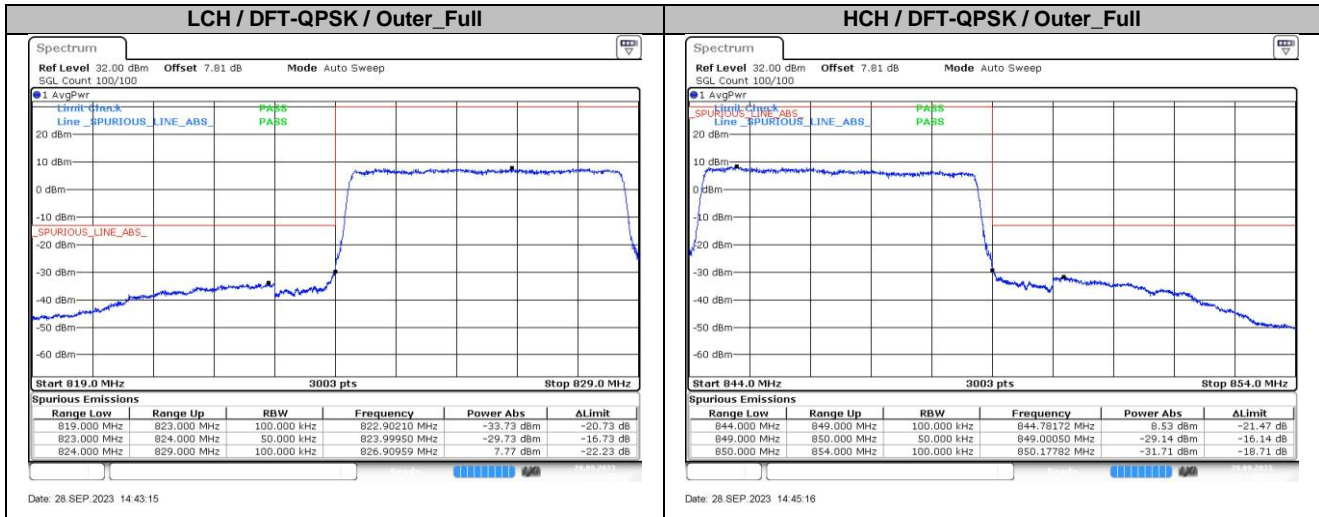


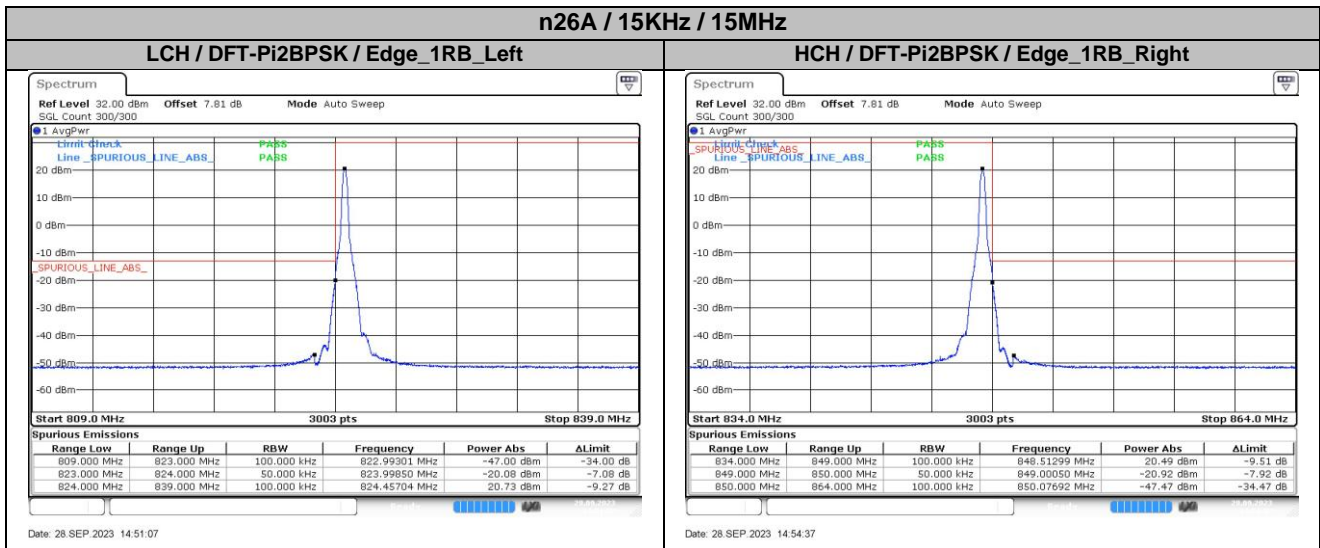
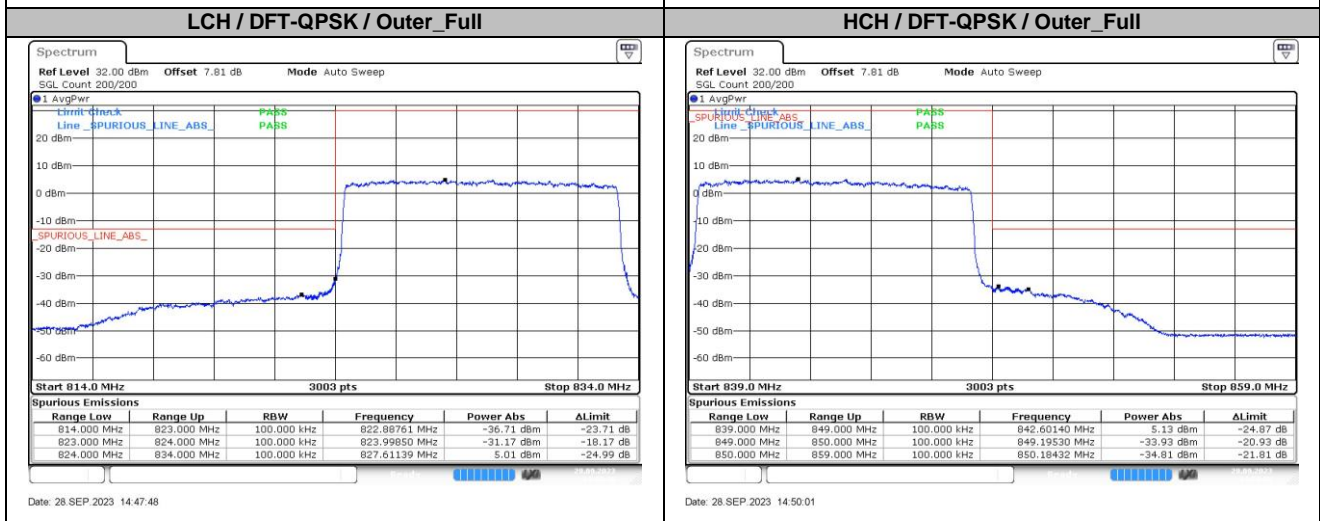
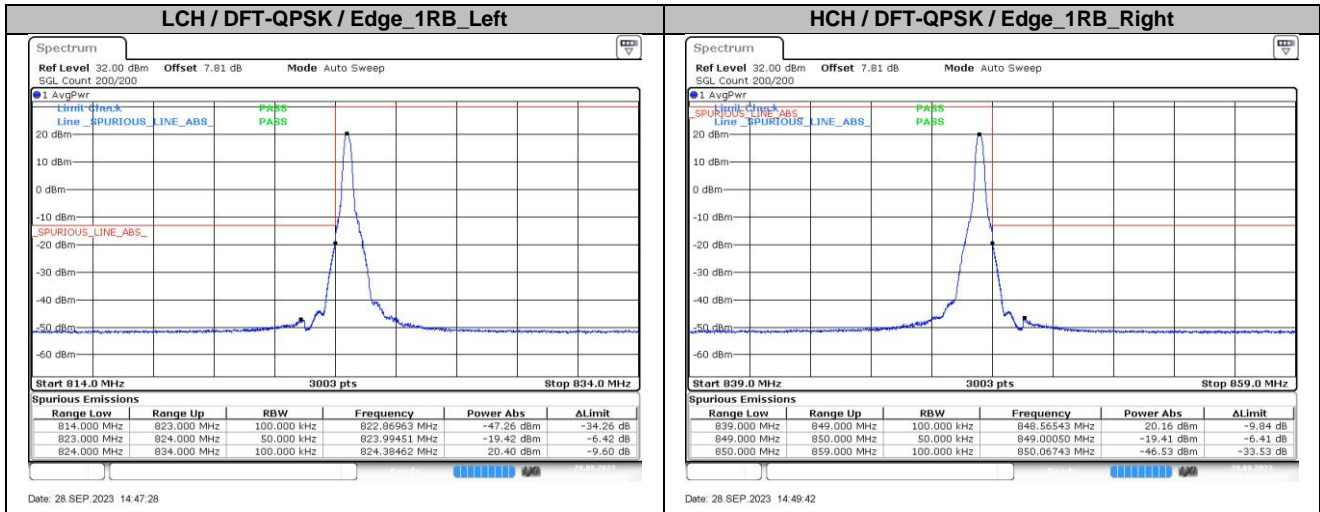


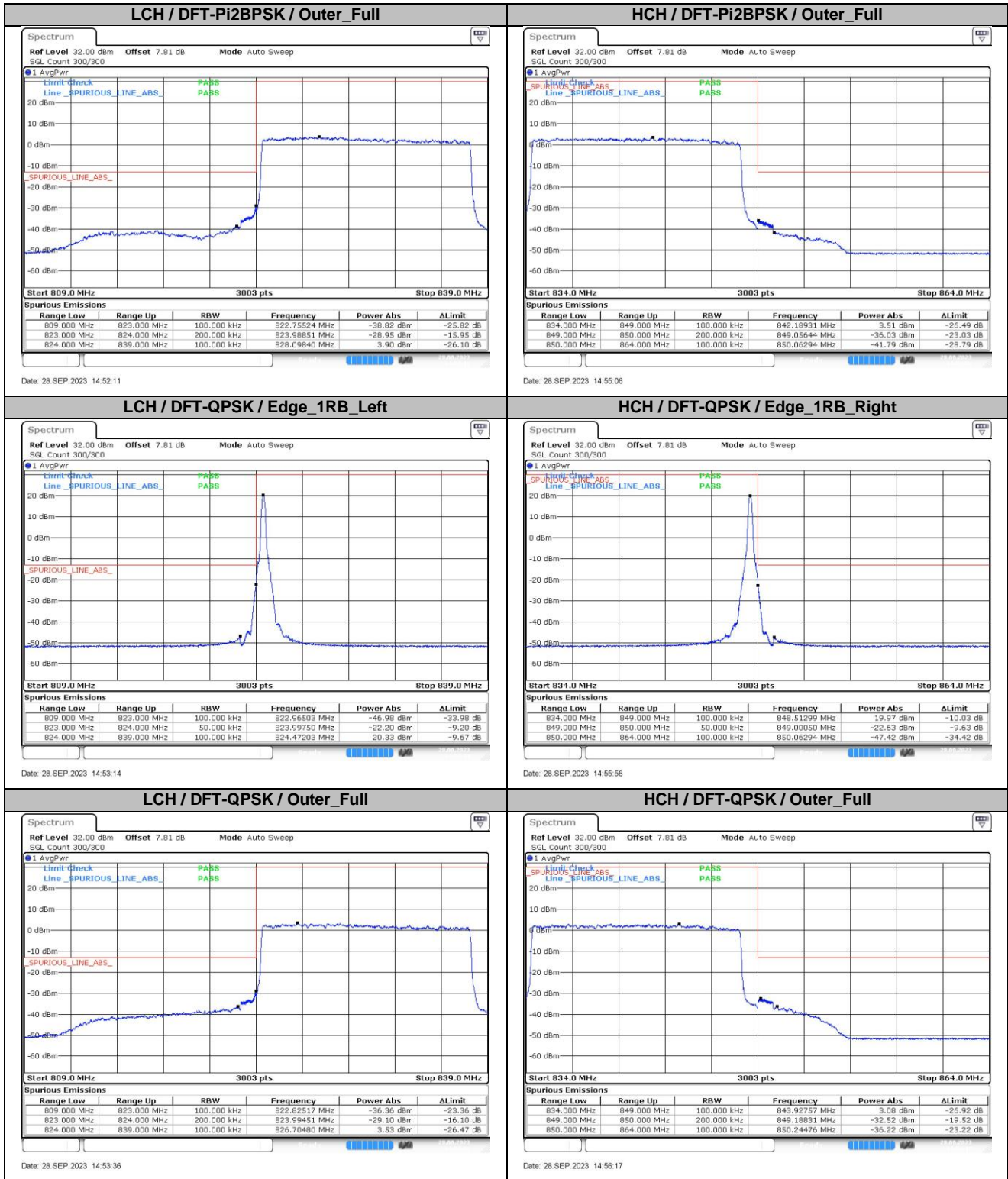
5. Conducted Band Edges

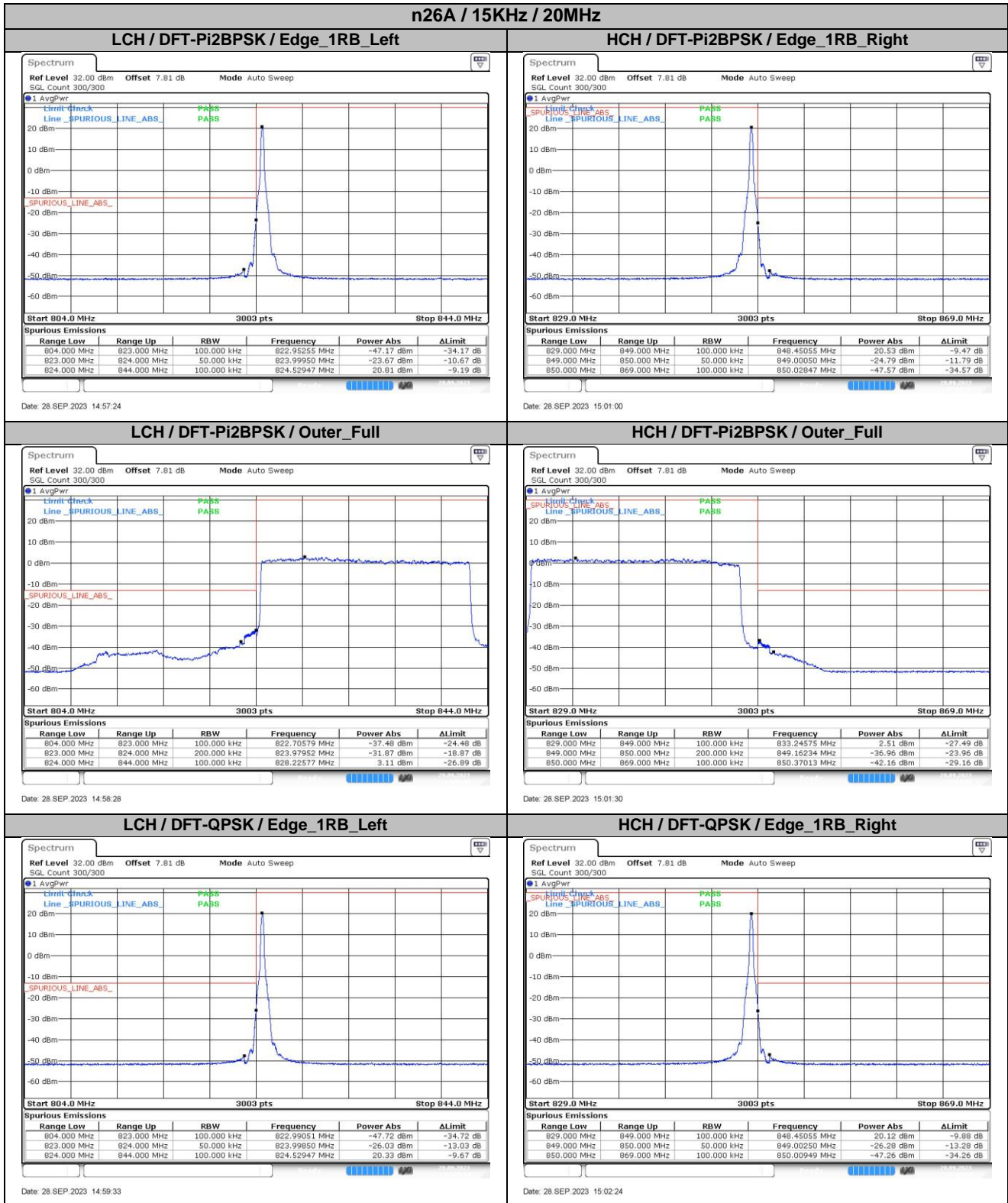
5.1. Test Plots

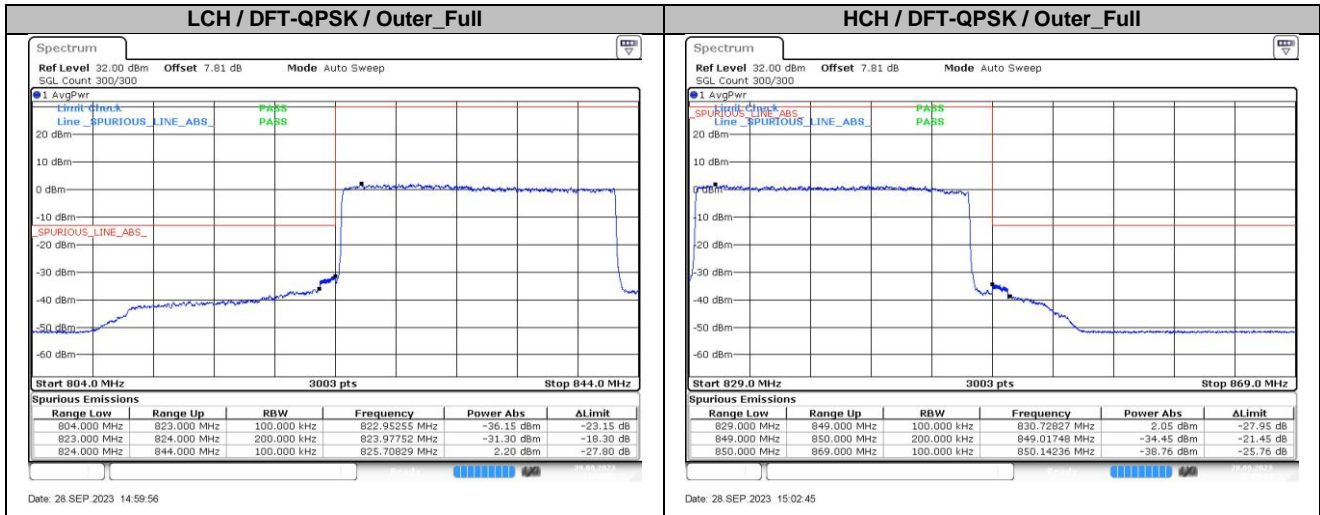






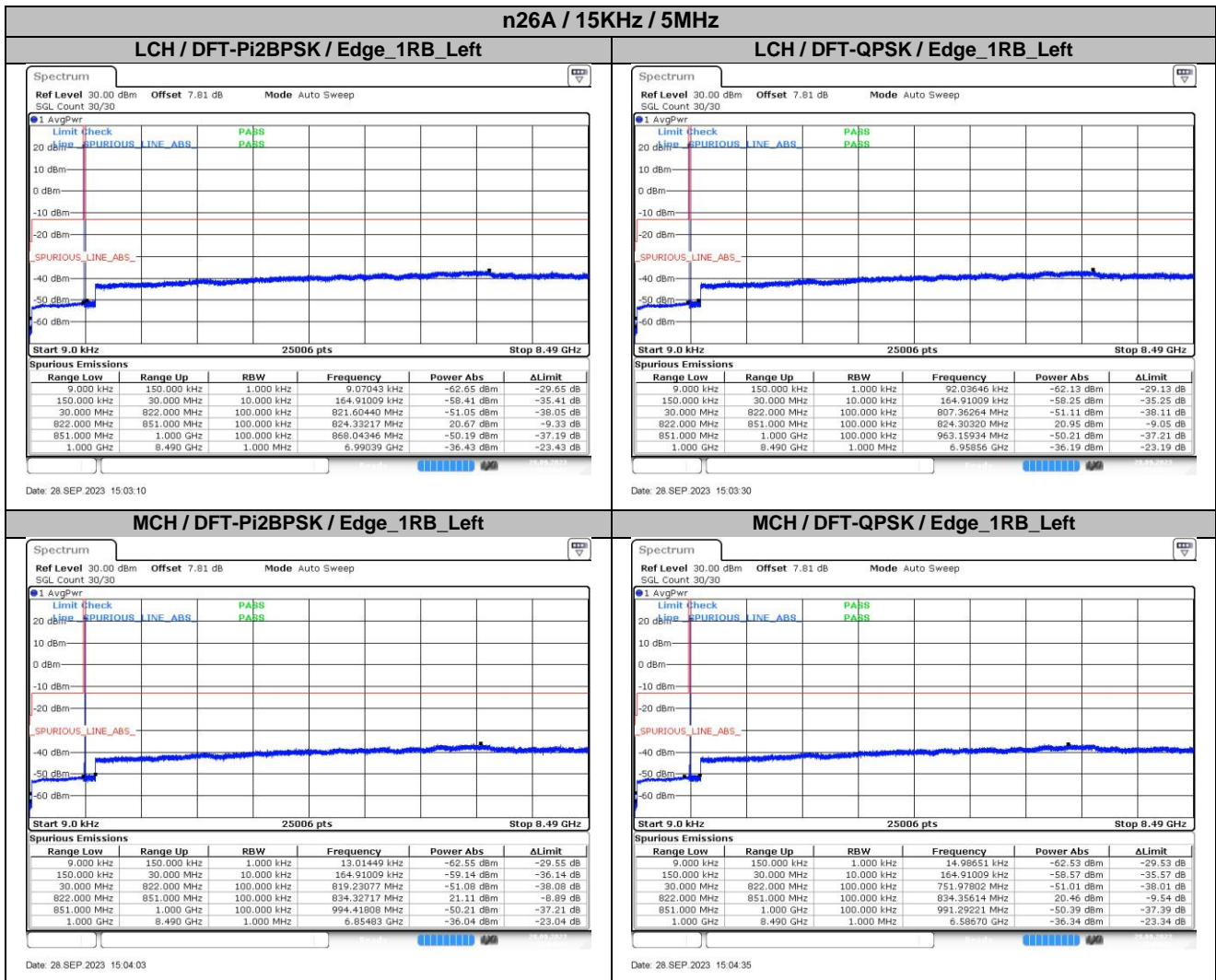


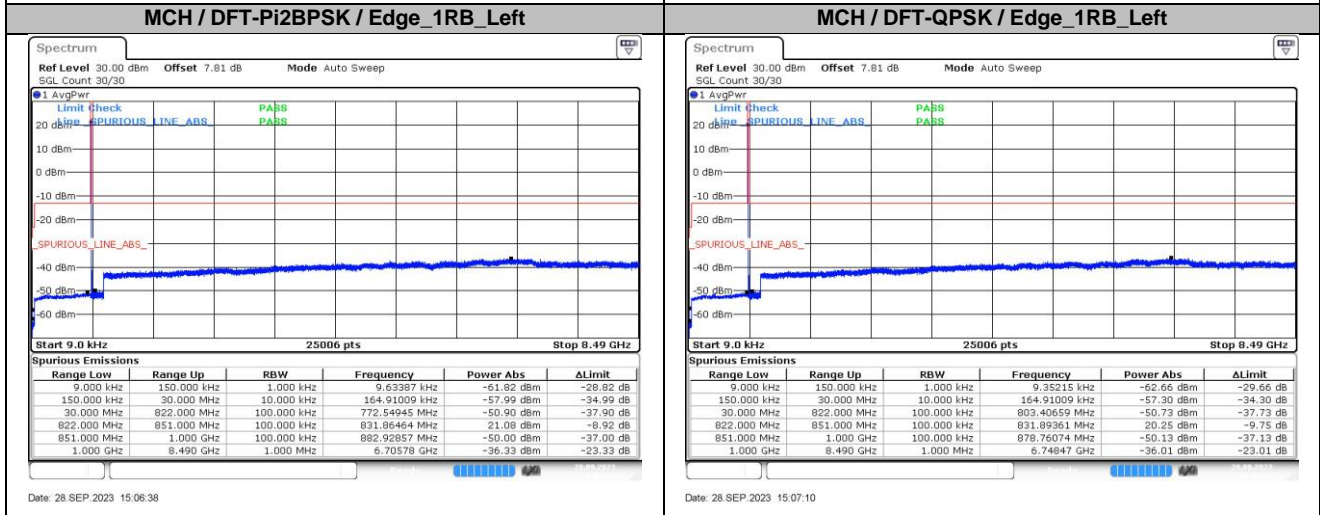
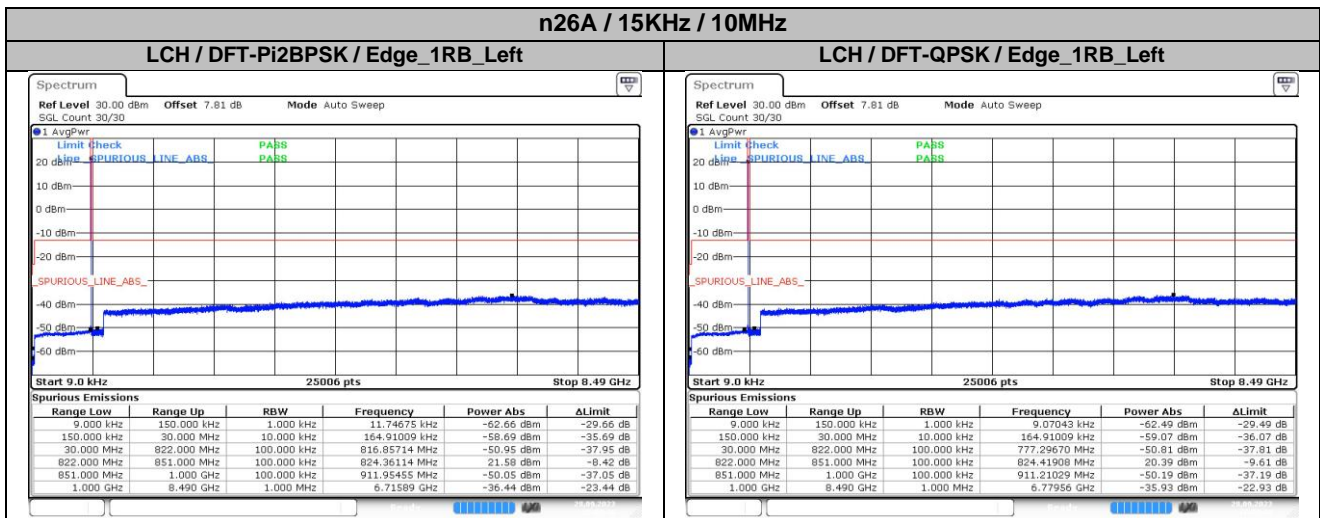
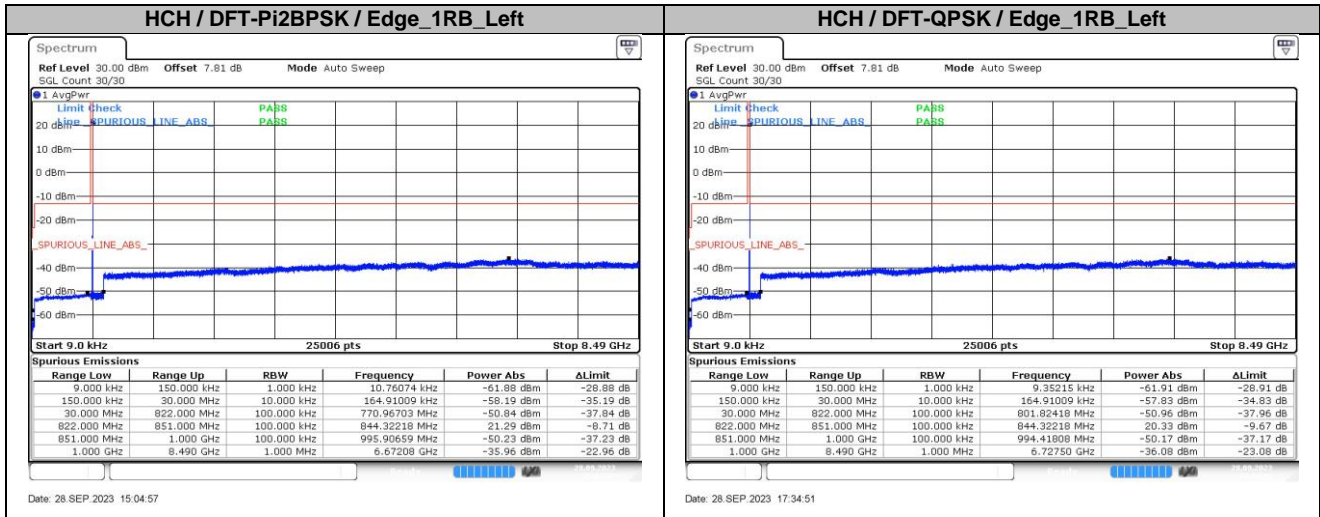


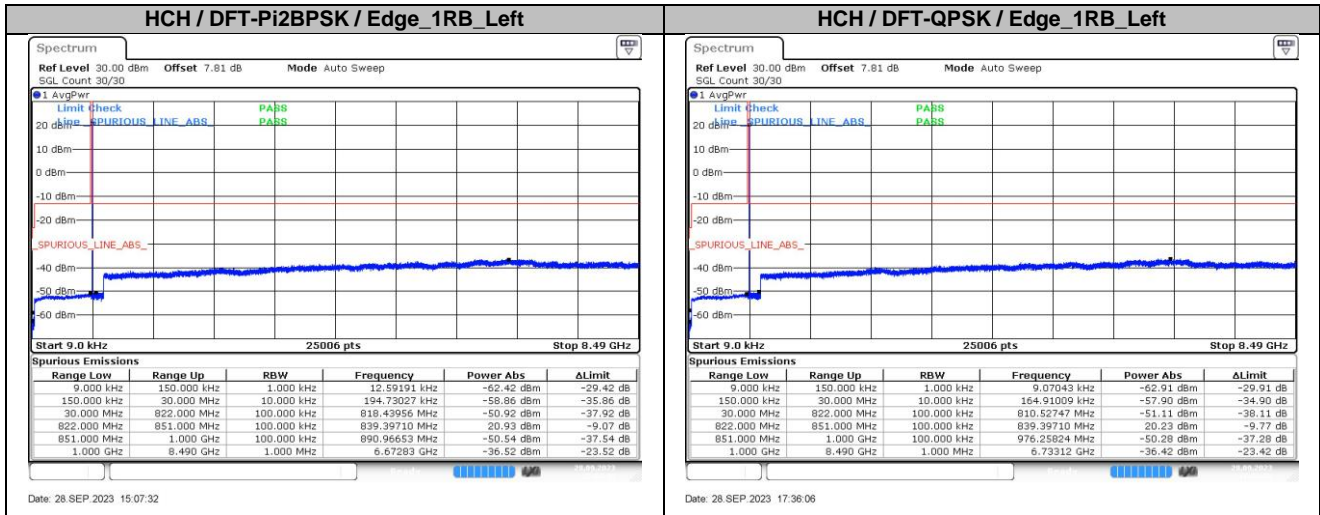


6. Conducted Spurious Emission

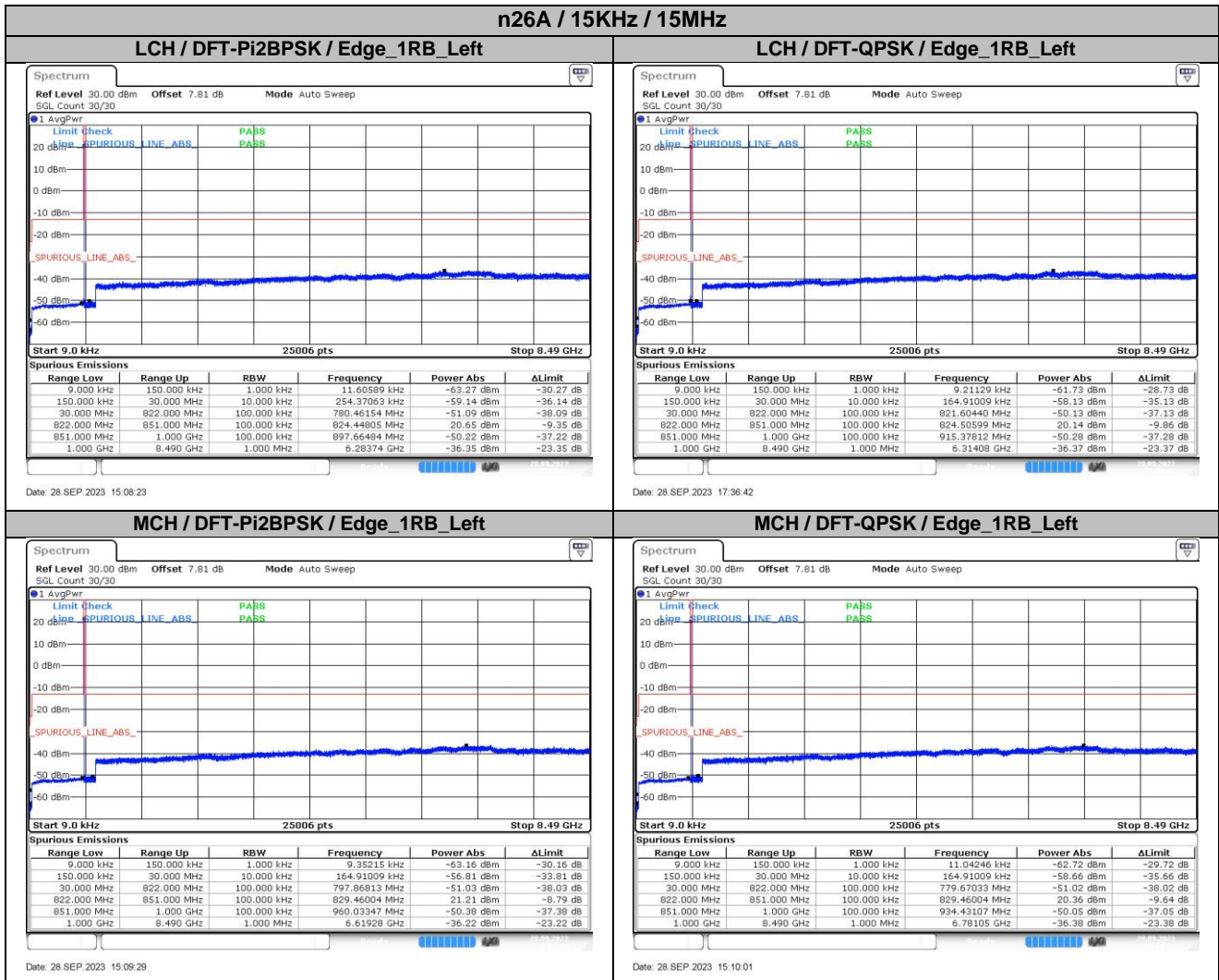
6.1. Test Plots

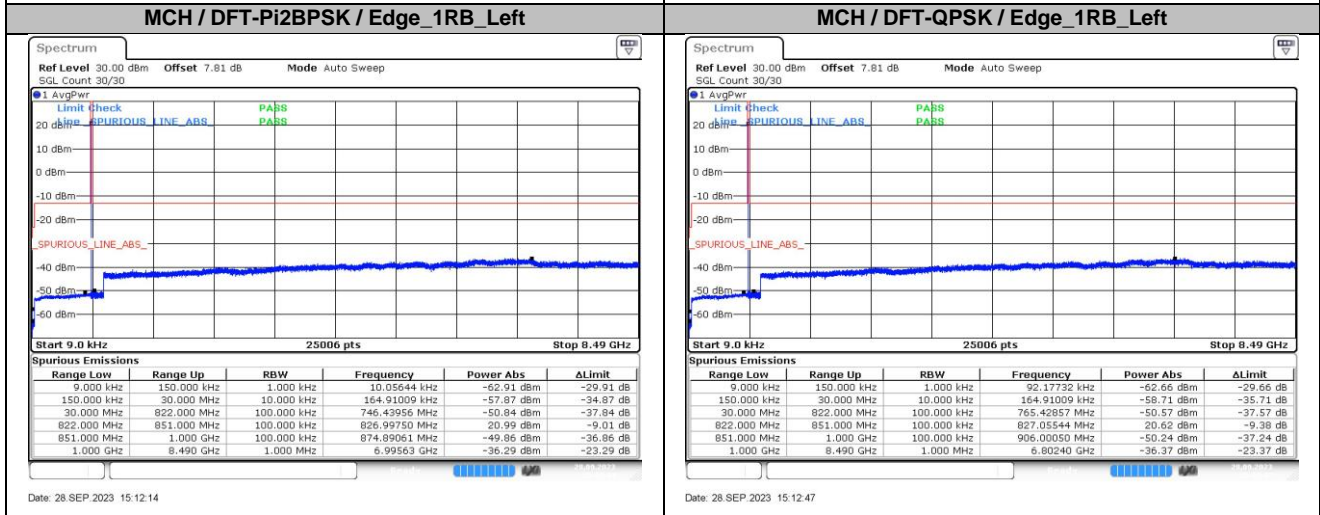
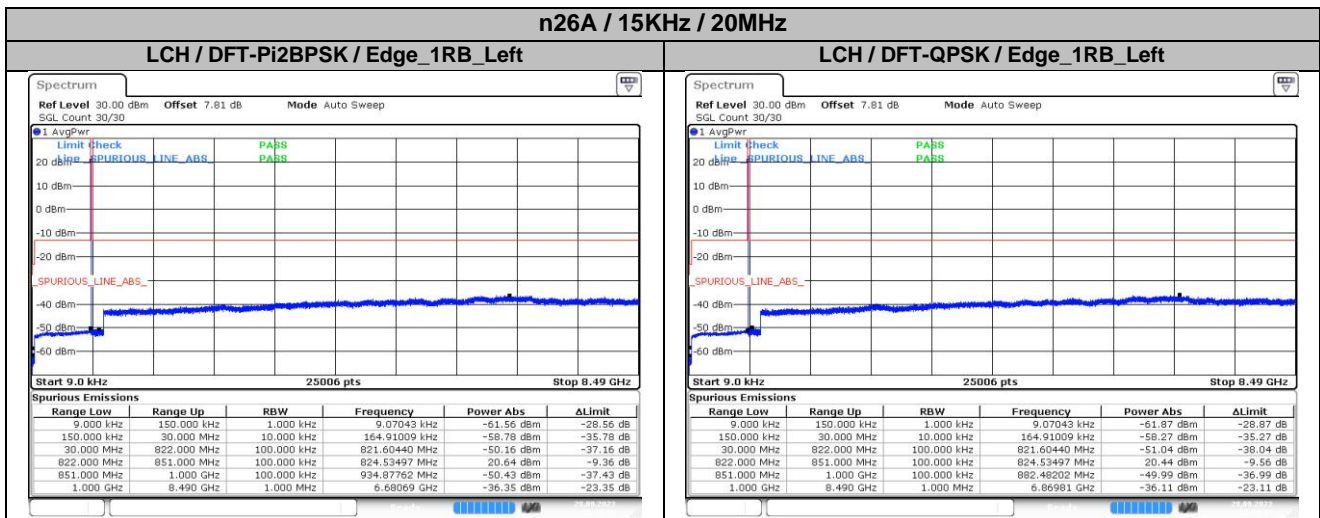
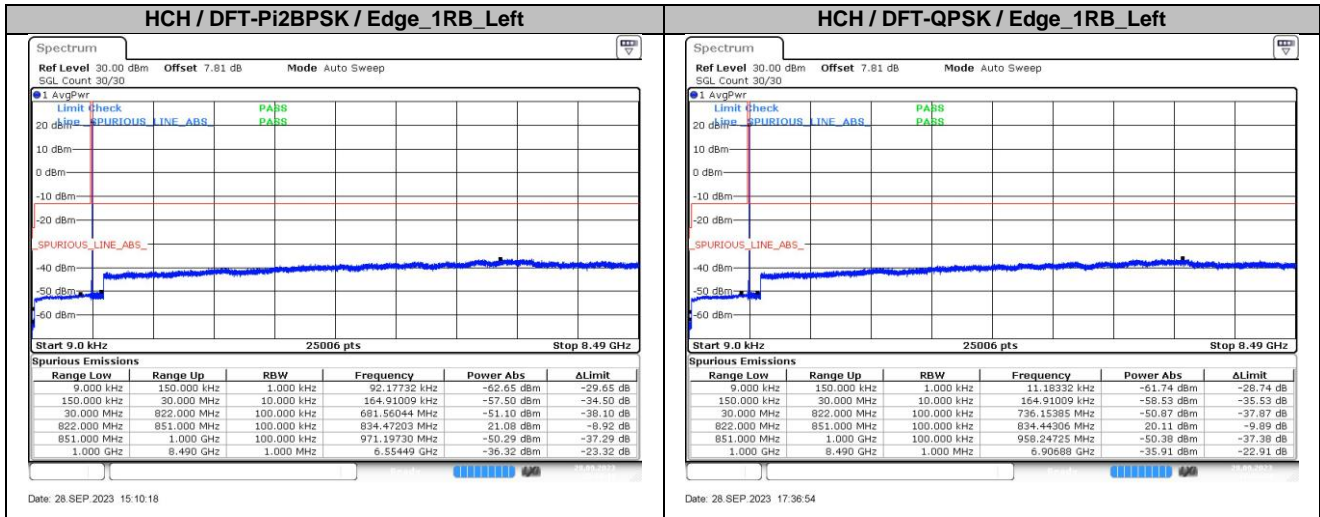


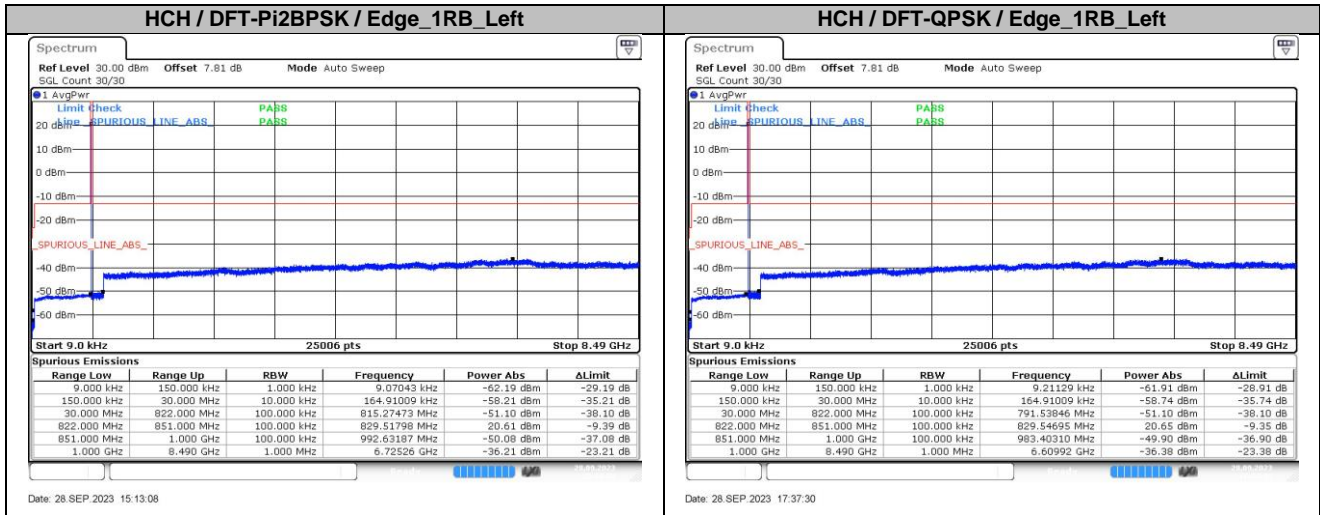




6.1.1. Bandwidth:15MHz







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	-5.10	-0.006097	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	NT	NV	2.80	0.003347	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	NT	HV	2.80	0.003347	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	3.40	0.004065	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	-20°C	NV	2.30	0.002750	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	-10°C	NV	1.80	0.002152	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	0°C	NV	-2.50	-0.002989	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	10°C	NV	-0.80	-0.000956	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	20°C	NV	-3.00	-0.003586	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	30°C	NV	-1.60	-0.001913	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	40°C	NV	3.10	0.003706	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	50°C	NV	2.40	0.002869	Pass

The End