

Appendix for n26A (814-824)

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1. Conducted power

1.1. Test Results @ Ant0

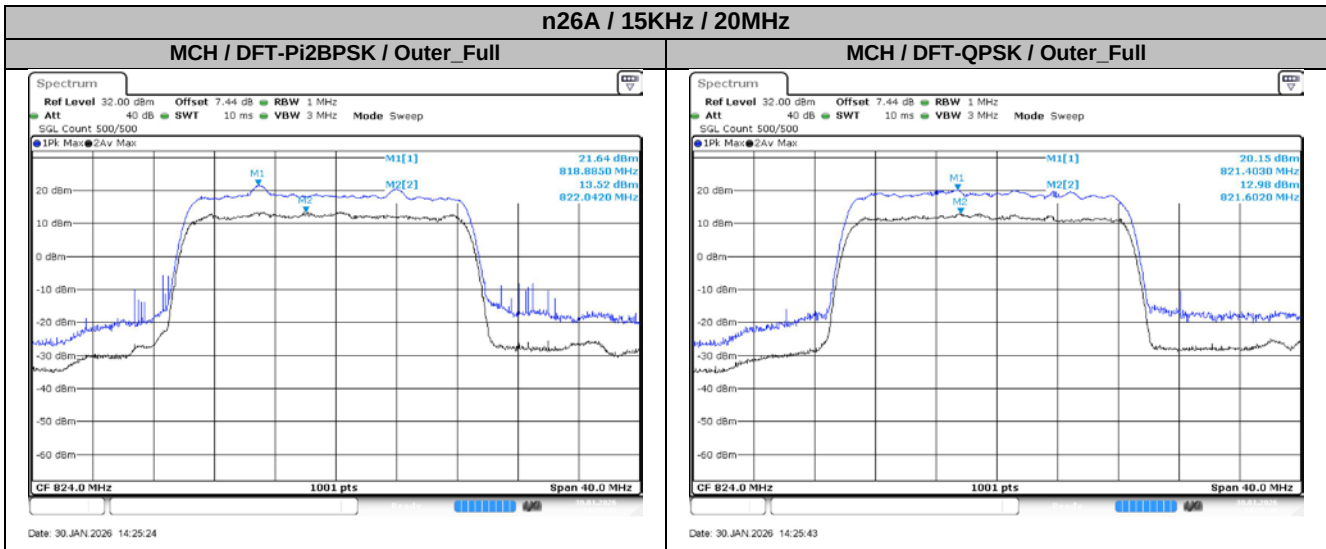
SCS	Bandwidth	Channel	Modulation	Conducted Result (dBm)			Verdict
				Inner_1RB_Left	Inner_1RB_Right	Inner_Full	
15KHz	5MHz	LCH	DFT-Pi2BPSK	23.19	23.08	23.32	Pass
15KHz	5MHz	LCH	DFT-QPSK	22.95	22.96	23.36	Pass
15KHz	5MHz	LCH	DFT-16QAM	22.50	22.66	22.38	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.98	21.05	20.96	Pass
15KHz	5MHz	LCH	DFT-256QAM	18.94	18.92	18.94	Pass
15KHz	5MHz	LCH	CP-QPSK	21.67	21.70	21.85	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	23.10	22.97	23.20	Pass
15KHz	5MHz	MCH	DFT-QPSK	23.02	22.84	23.20	Pass
15KHz	5MHz	MCH	DFT-16QAM	22.70	22.43	22.28	Pass
15KHz	5MHz	MCH	DFT-64QAM	21.06	20.80	20.89	Pass
15KHz	5MHz	MCH	DFT-256QAM	18.91	18.66	18.84	Pass
15KHz	5MHz	MCH	CP-QPSK	21.76	21.47	21.70	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	23.03	23.15	23.12	Pass
15KHz	5MHz	HCH	DFT-QPSK	22.87	23.04	23.15	Pass
15KHz	5MHz	HCH	DFT-16QAM	22.55	22.58	22.16	Pass
15KHz	5MHz	HCH	DFT-64QAM	20.91	20.96	20.70	Pass
15KHz	5MHz	HCH	DFT-256QAM	18.75	18.78	18.74	Pass
15KHz	5MHz	HCH	CP-QPSK	21.60	21.65	21.68	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	23.18	23.19	23.16	Pass
15KHz	10MHz	MCH	DFT-QPSK	23.01	23.10	23.16	Pass
15KHz	10MHz	MCH	DFT-16QAM	22.66	22.52	22.35	Pass
15KHz	10MHz	MCH	DFT-64QAM	21.07	20.99	20.83	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.87	18.79	18.74	Pass
15KHz	10MHz	MCH	CP-QPSK	21.71	21.73	21.73	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	23.22	23.14	23.15	Pass
15KHz	15MHz	MCH	DFT-QPSK	23.04	23.04	23.19	Pass
15KHz	15MHz	MCH	DFT-16QAM	22.63	22.50	22.23	Pass
15KHz	15MHz	MCH	DFT-64QAM	21.05	20.97	20.74	Pass
15KHz	15MHz	MCH	DFT-256QAM	18.85	18.72	18.70	Pass
15KHz	15MHz	MCH	CP-QPSK	21.77	21.65	21.68	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	23.23	23.15	23.15	Pass
15KHz	20MHz	MCH	DFT-QPSK	23.10	23.08	23.21	Pass
15KHz	20MHz	MCH	DFT-16QAM	22.71	22.40	22.23	Pass
15KHz	20MHz	MCH	DFT-64QAM	21.09	20.88	20.72	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.92	18.77	18.69	Pass
15KHz	20MHz	MCH	CP-QPSK	21.84	21.66	21.75	Pass

2. Peak-to-Average Ratio

2.1. Test Results

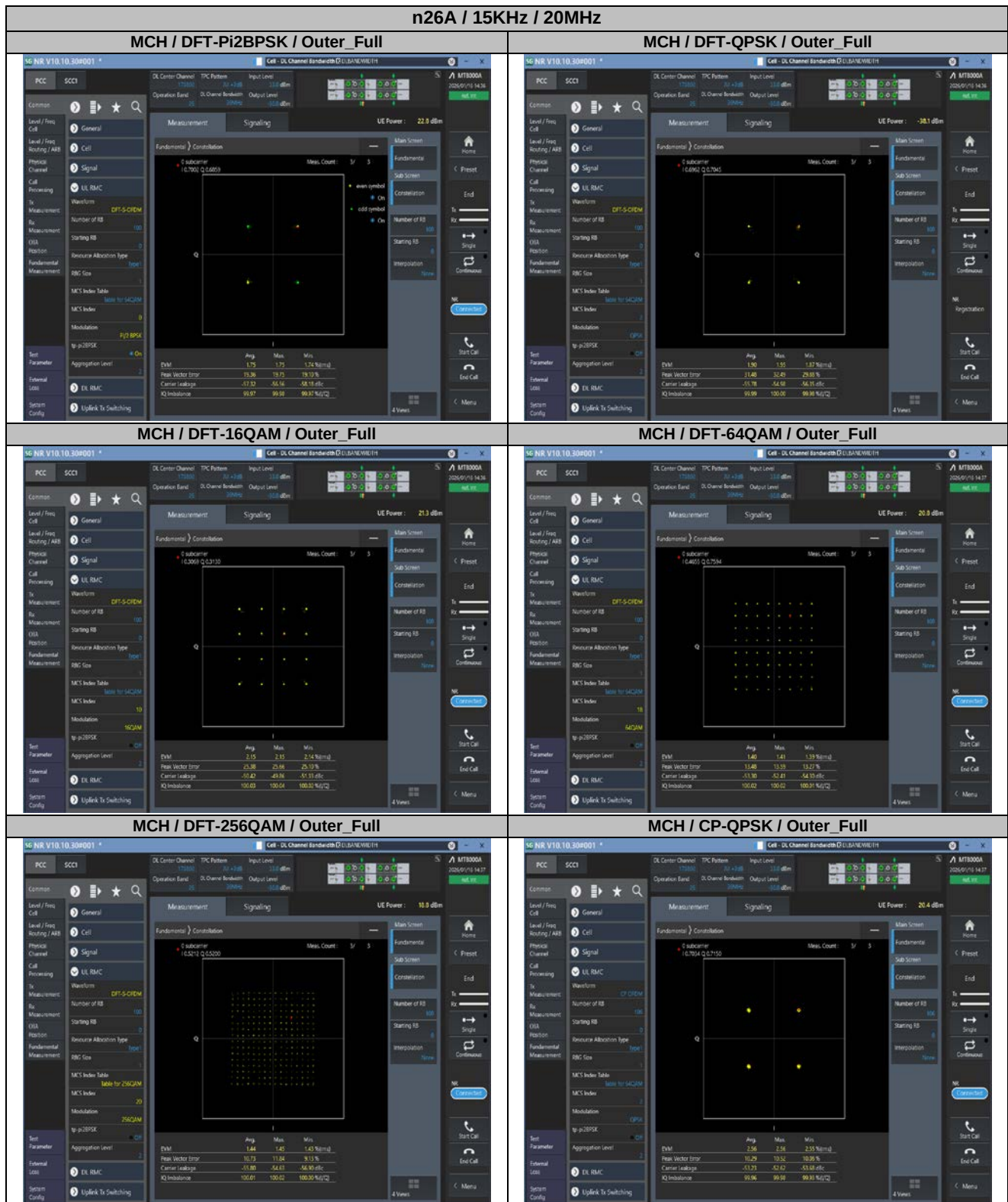
SCS	Bandwidth	Channel	Modulation	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	20MHz	MCH	Outer_Full	8.12	7.17	13.00	Pass

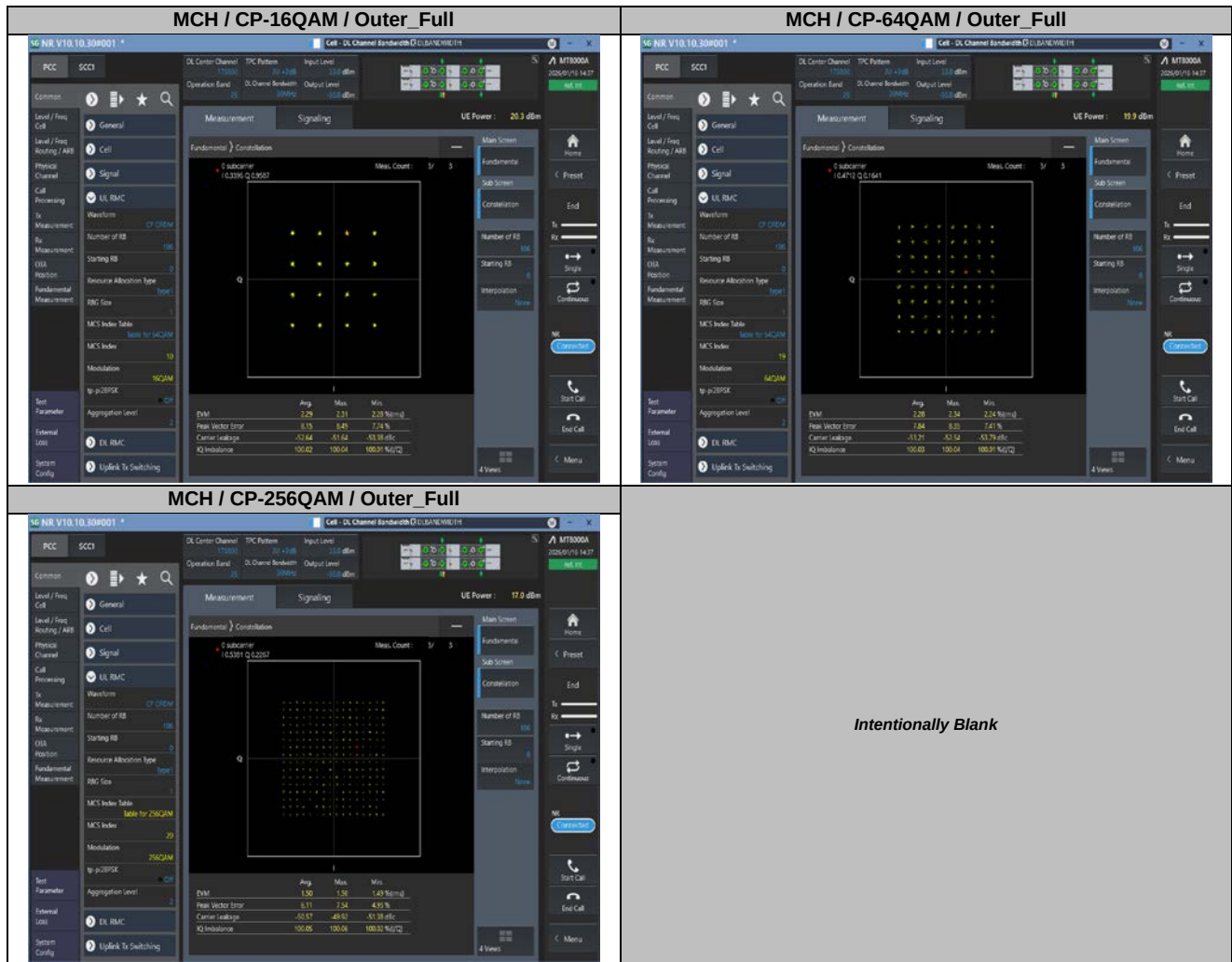
2.2. Test Plots for SCS=15KHz



3. Modulation Characteristics

3.1. Test Plots for SCS=15KHz





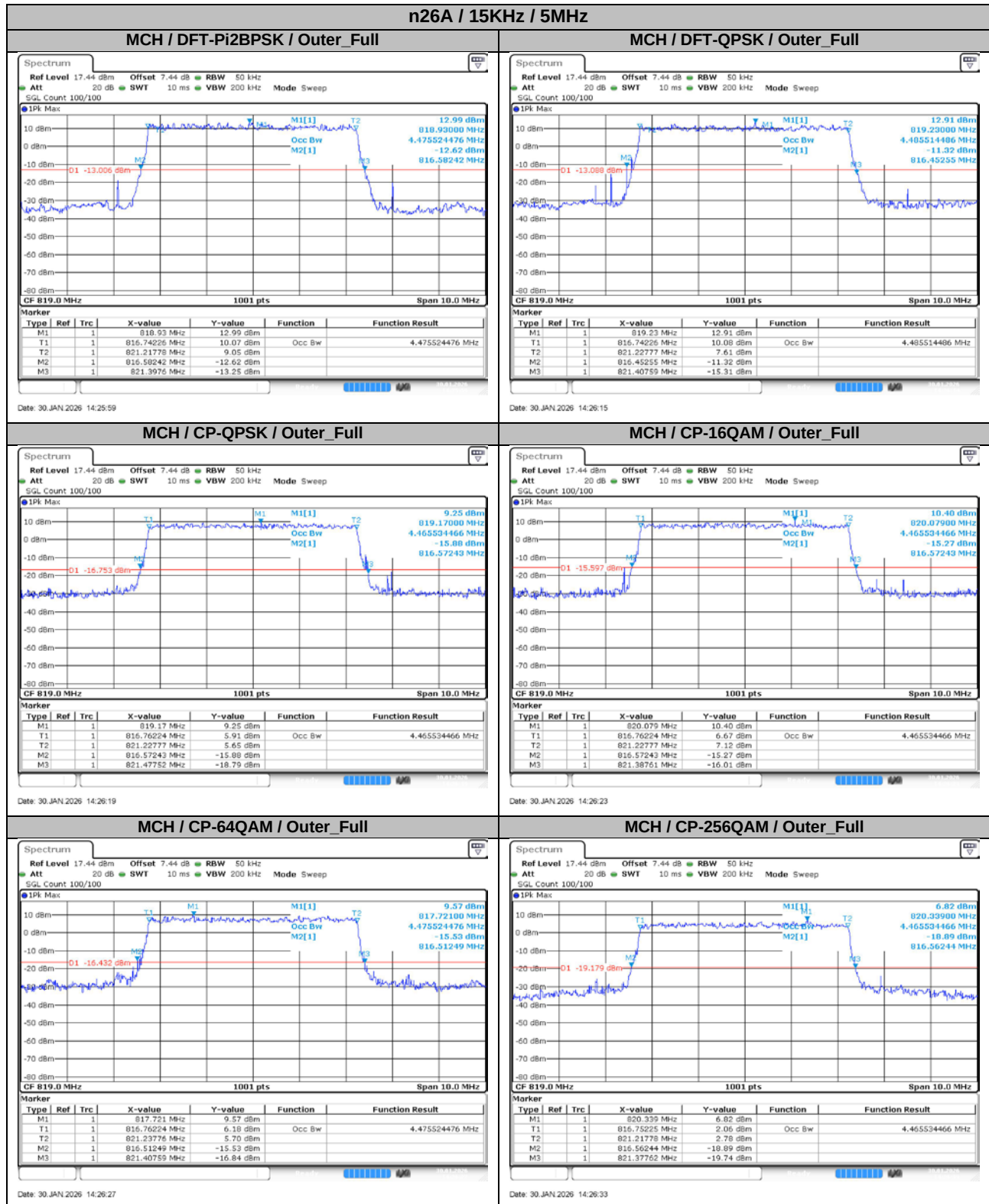
4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

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	4.49	4.96	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.47	4.91	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.47	4.82	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.48	4.90	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.47	4.82	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.91	9.37	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.91	9.37	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.27	9.69	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.27	9.75	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.25	9.71	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.27	9.75	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.40	14.15	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.37	14.06	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.09	14.81	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.09	14.84	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.09	14.87	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.12	14.90	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.86	18.66	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.82	18.58	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.86	19.70	Pass
15KHz	20MHz	CP-16QAM	Outer_Full	18.86	19.74	Pass

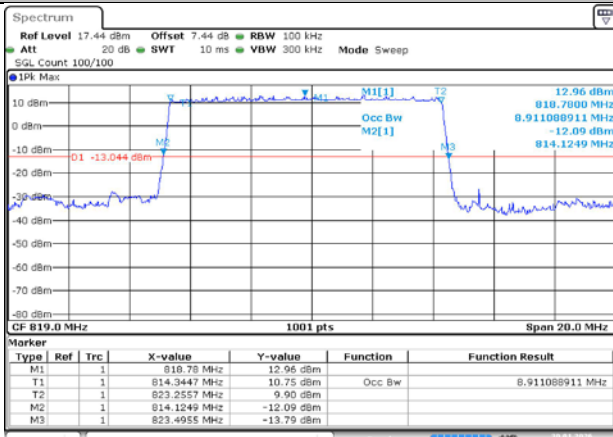
15KHz	20MHz	CP-64QAM	Outer_Full	18.90	19.74	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	18.86	19.74	Pass

4.2. Test Plots for SCS=15KHz



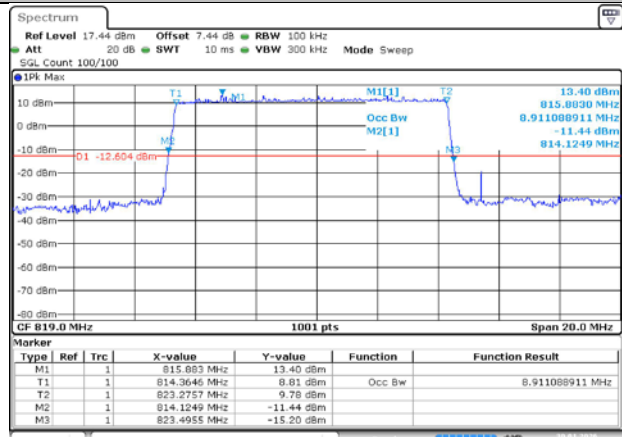
n26A / 15KHz / 10MHz

MCH / DFT-Pi2BPSK / Outer_Full



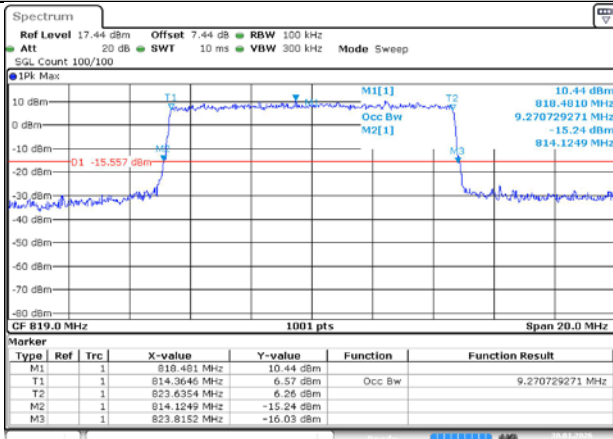
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MCH / DFT-QPSK / Outer_Full



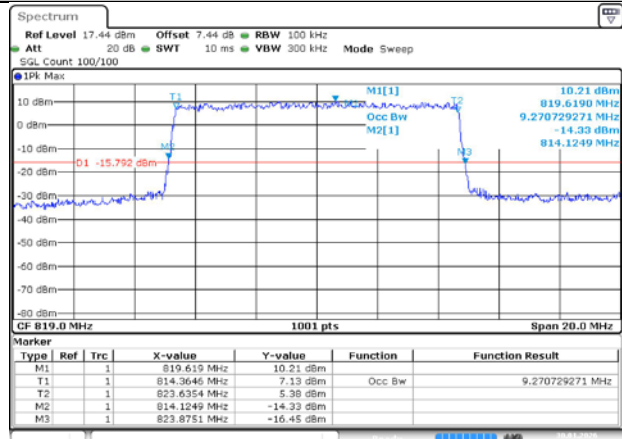
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MCH / CP-QPSK / Outer_Full



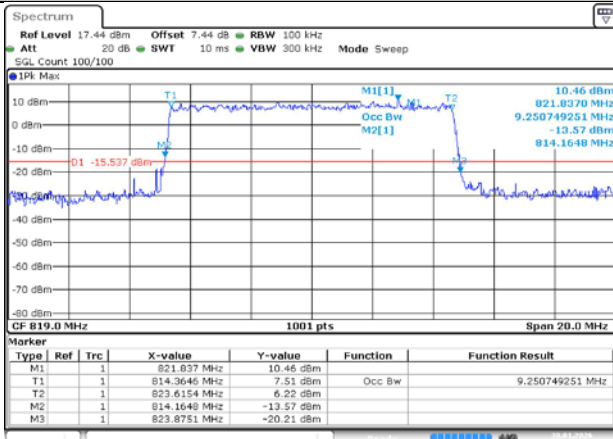
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MCH / CP-16QAM / Outer_Full



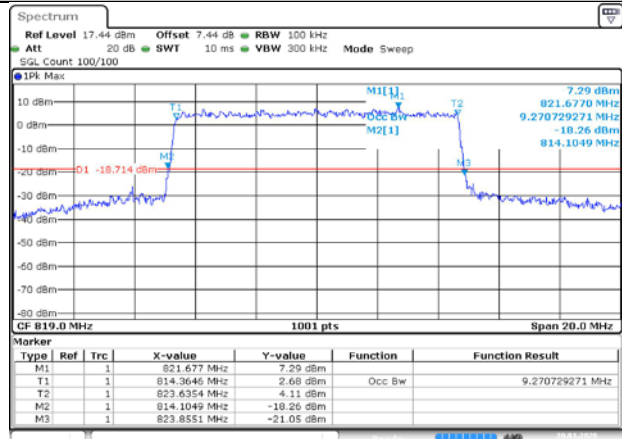
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MCH / CP-64QAM / Outer_Full



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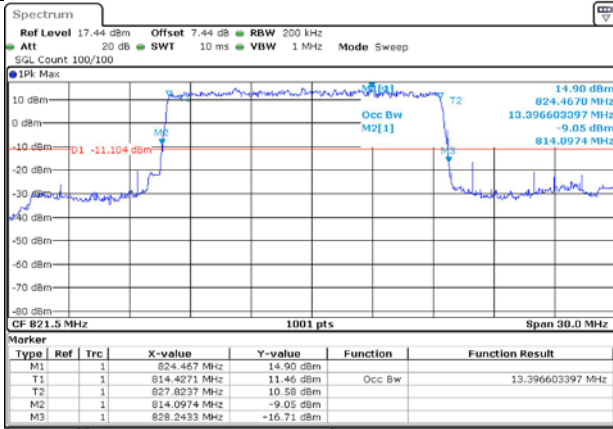
MCH / CP-256QAM / Outer_Full



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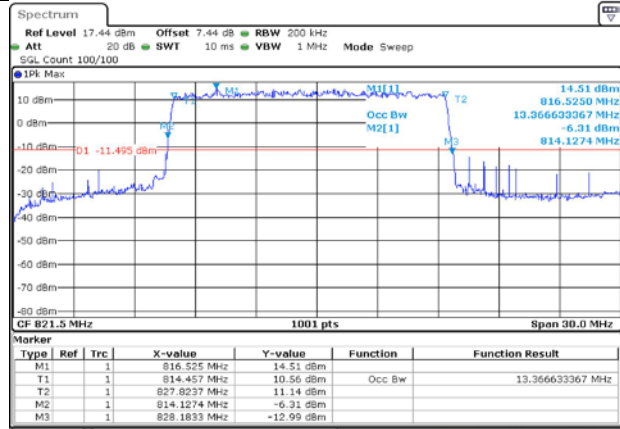
n26A / 15KHz / 15MHz

MCH / DFT-Pi2BPSK / Outer_Full



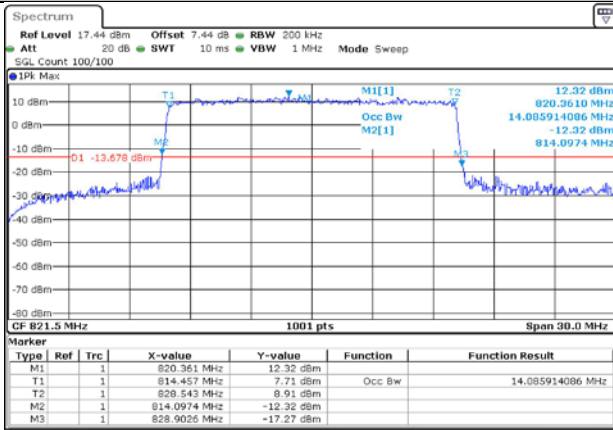
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MCH / DFT-QPSK / Outer_Full



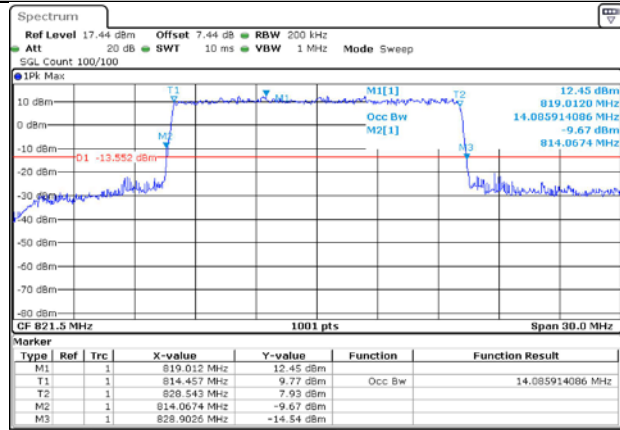
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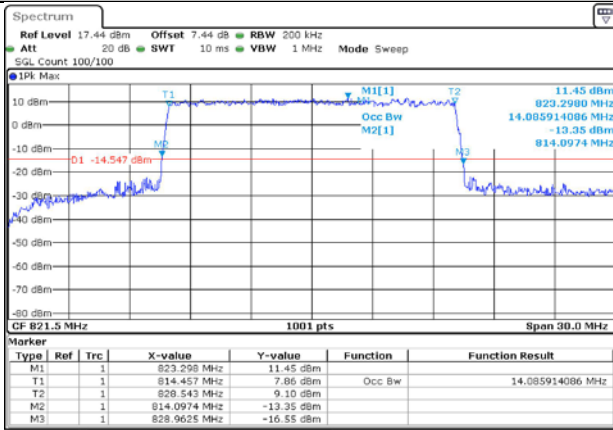
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MCH / CP-16QAM / Outer_Full



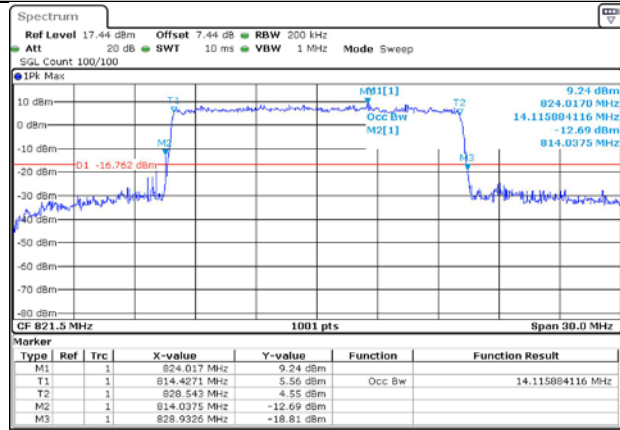
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MCH / CP-64QAM / Outer_Full



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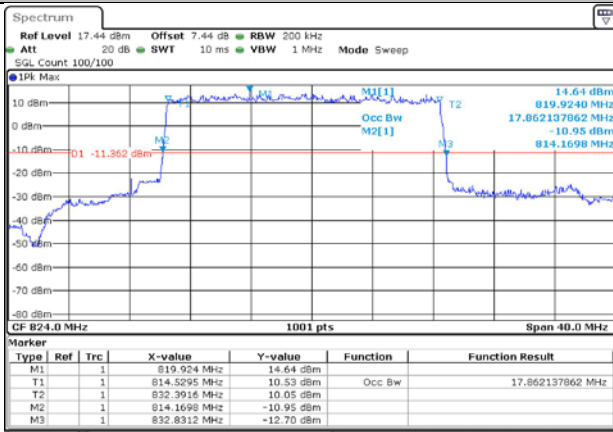
MCH / CP-256QAM / Outer_Full



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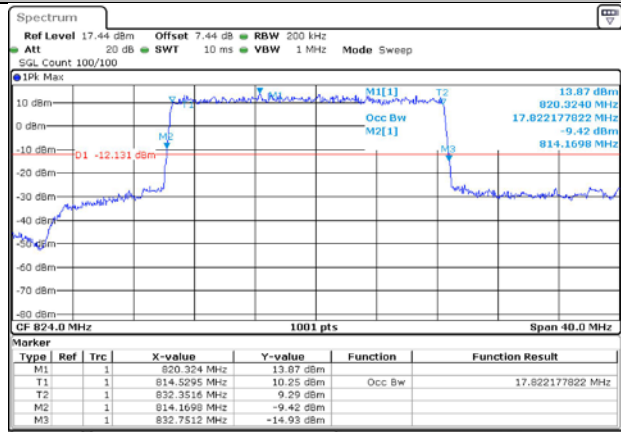
n26A / 15KHz / 20MHz

MCH / DFT-Pi2BPSK / Outer_Full



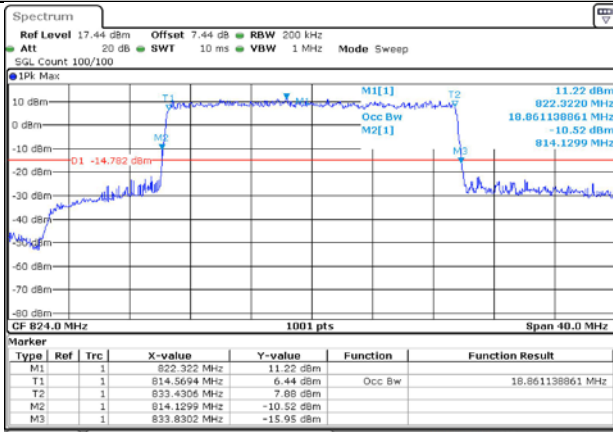
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MCH / DFT-QPSK / Outer_Full



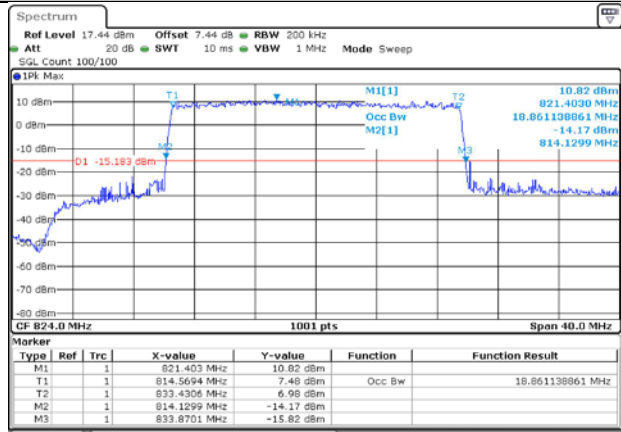
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MCH / CP-QPSK / Outer_Full



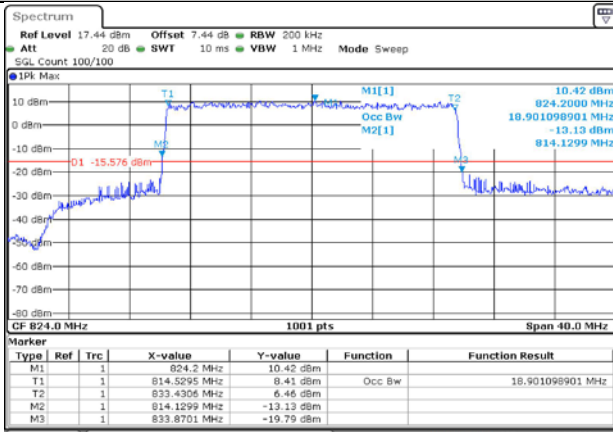
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MCH / CP-16QAM / Outer_Full



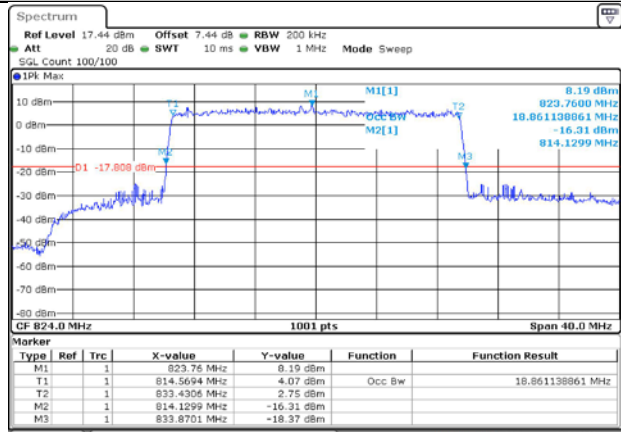
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MCH / CP-64QAM / Outer_Full



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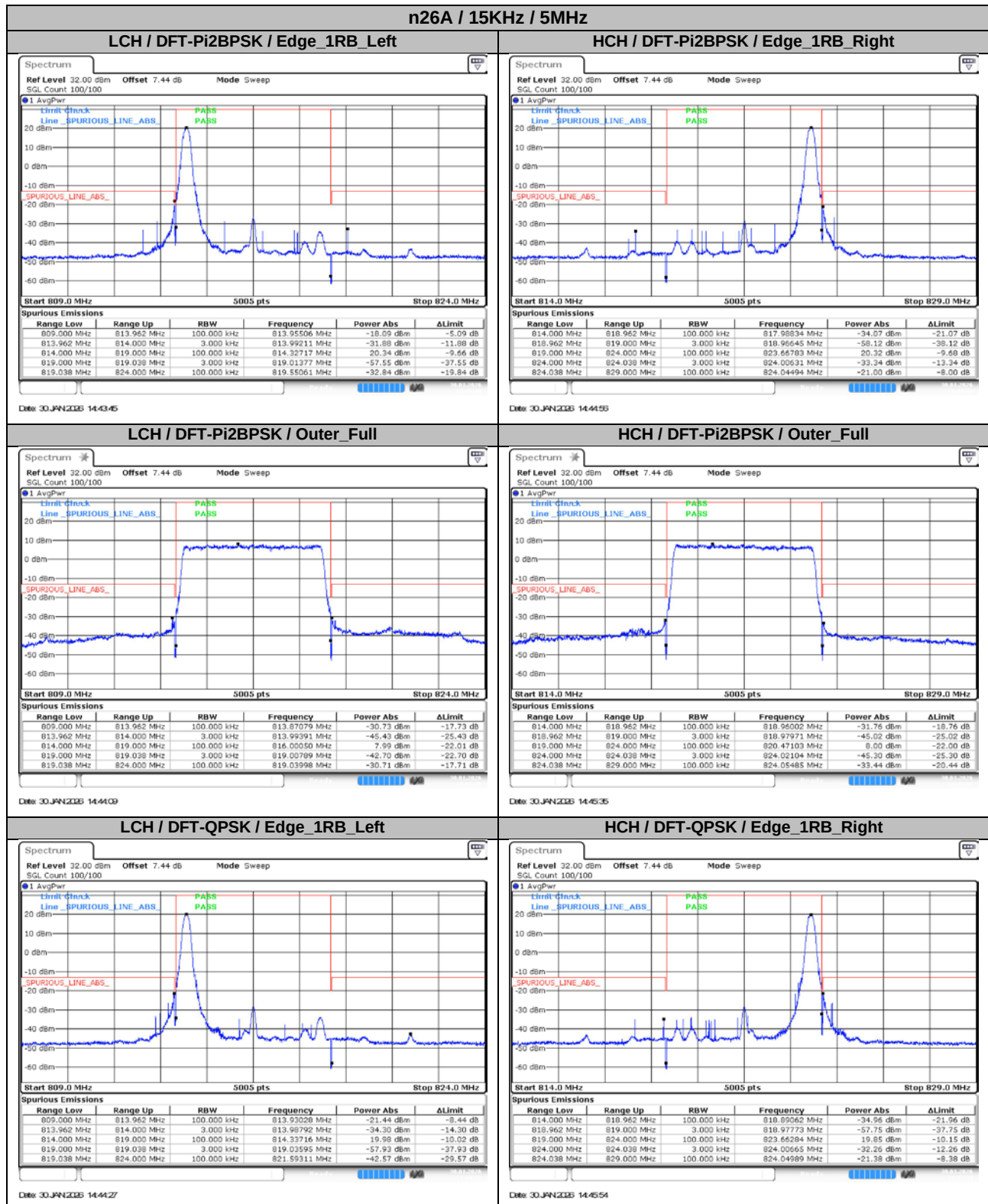
MCH / CP-256QAM / Outer_Full

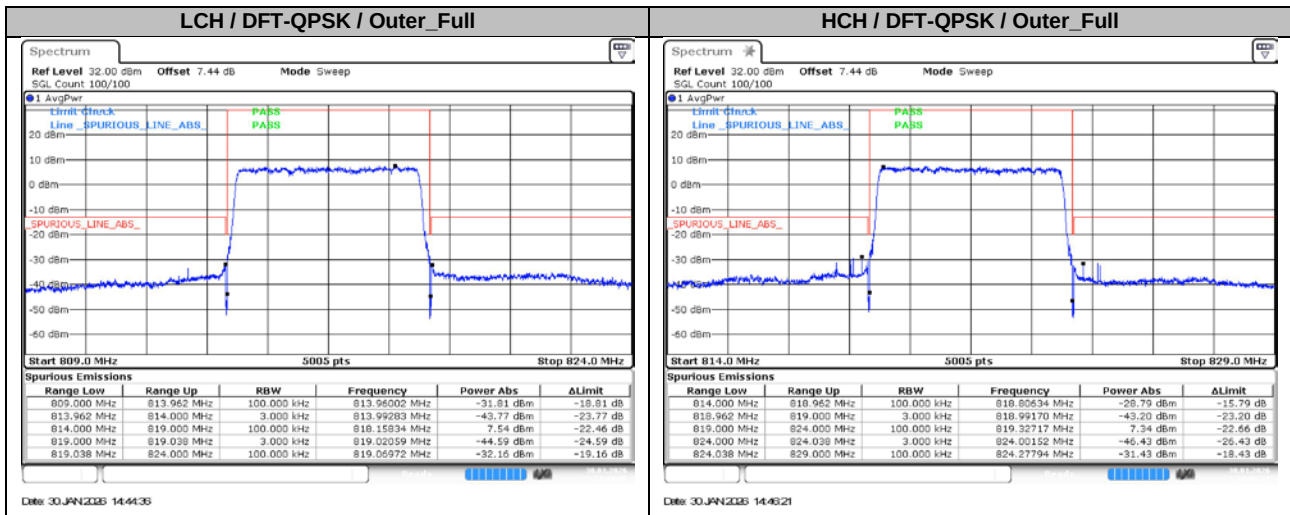
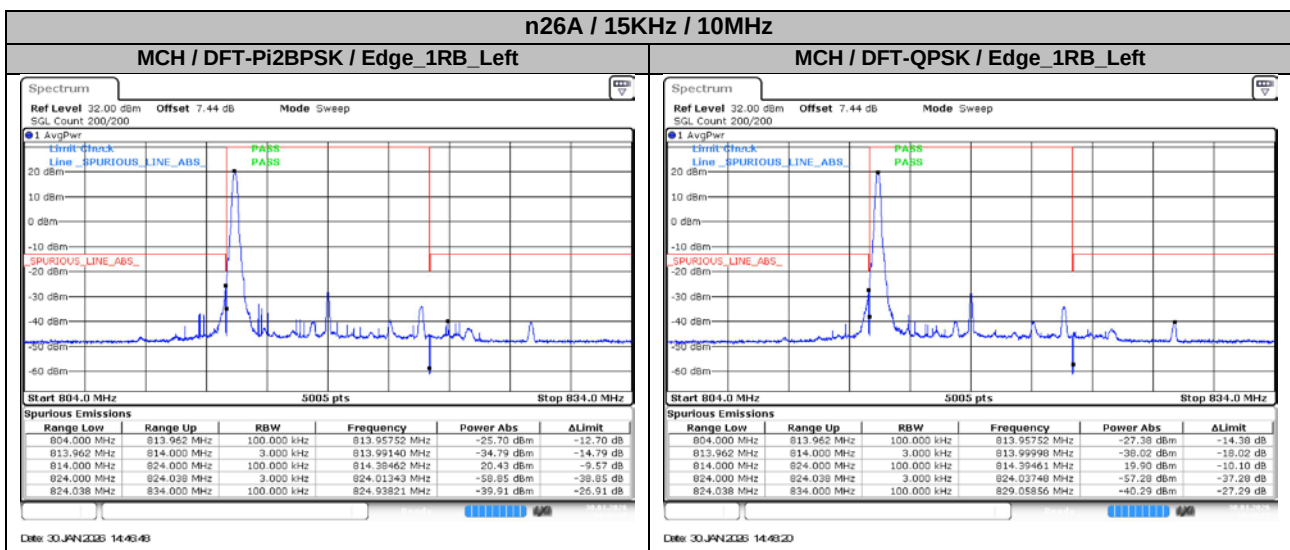
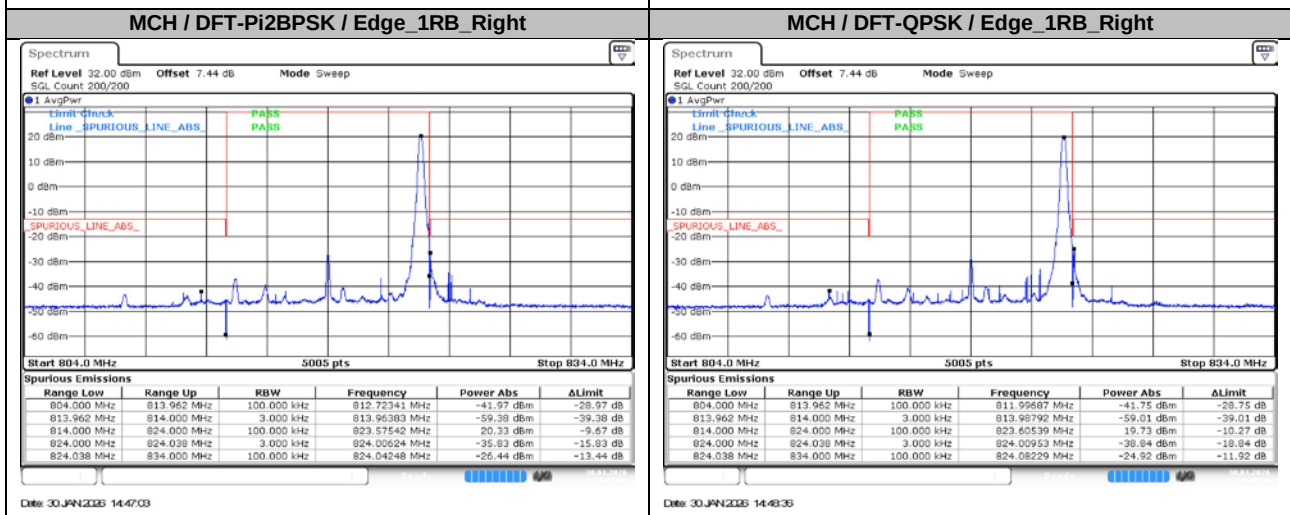


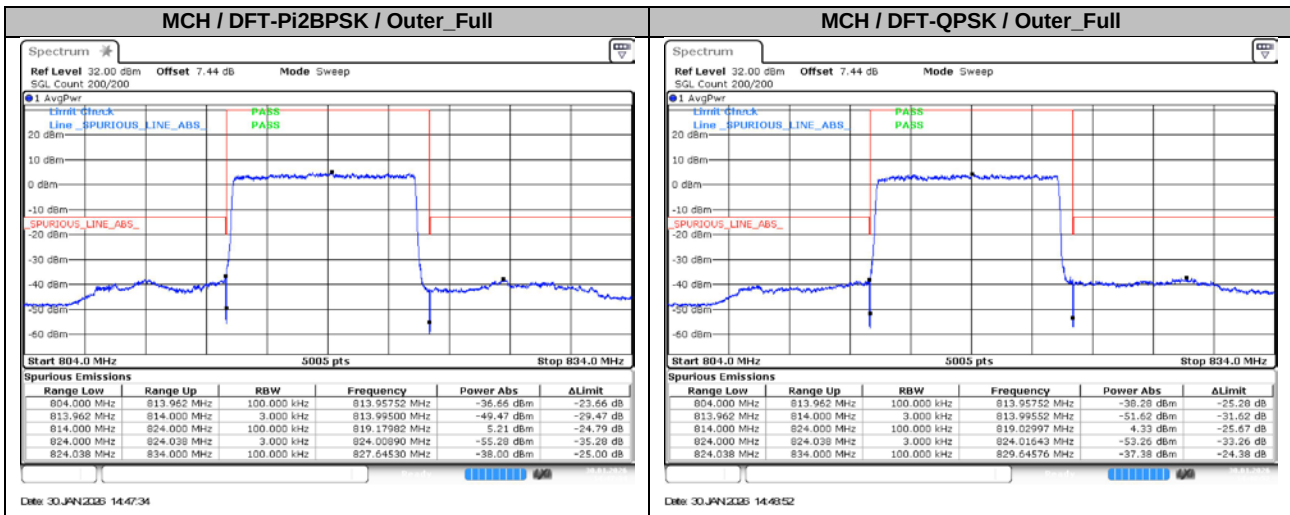
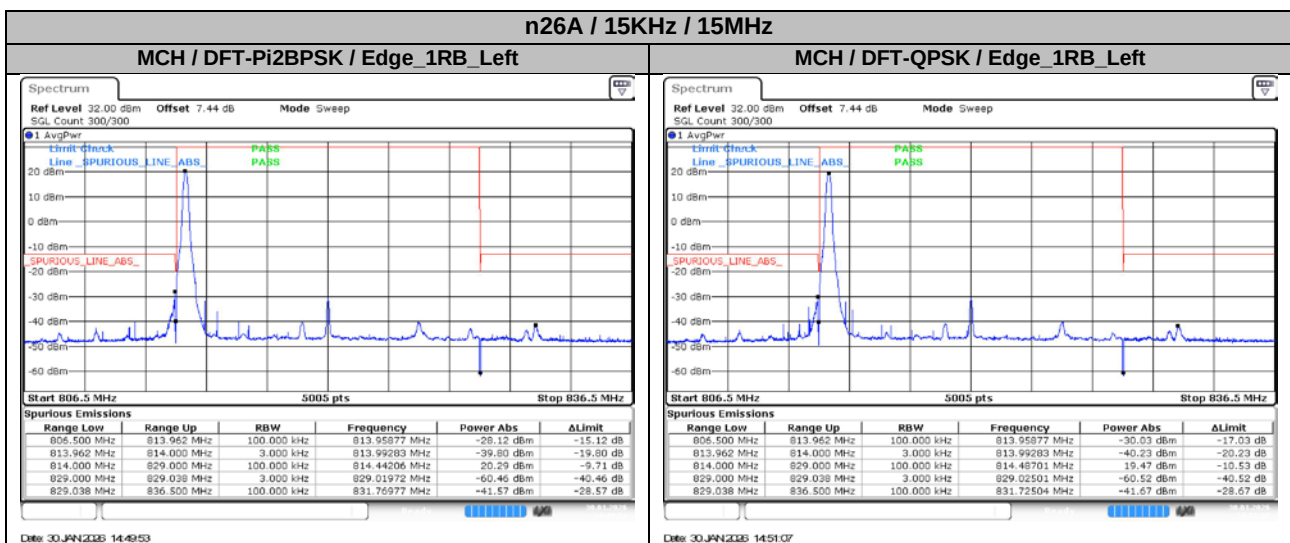
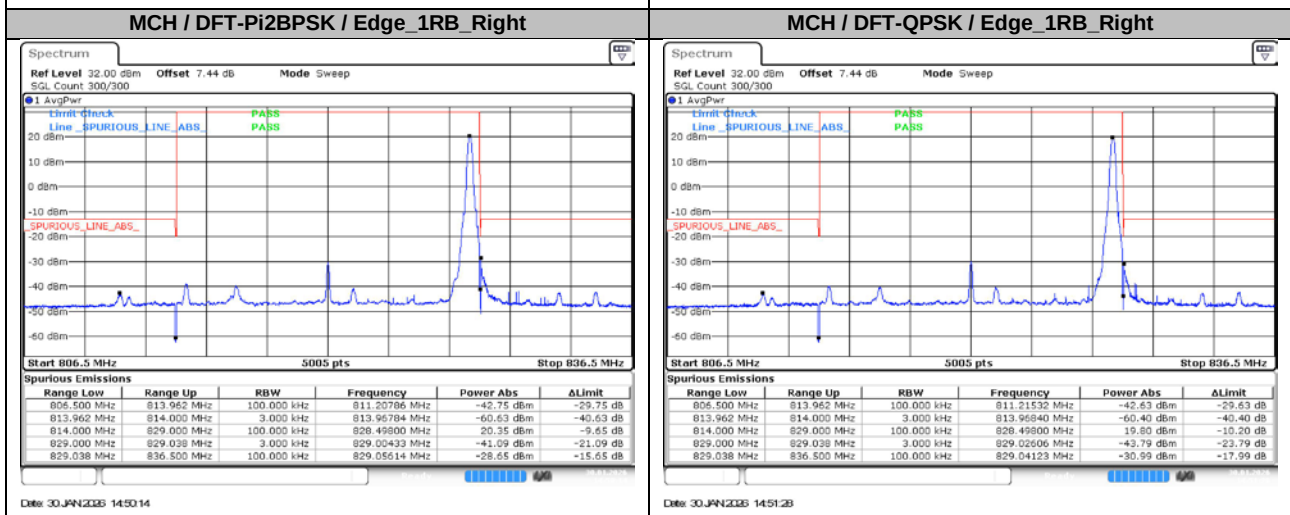
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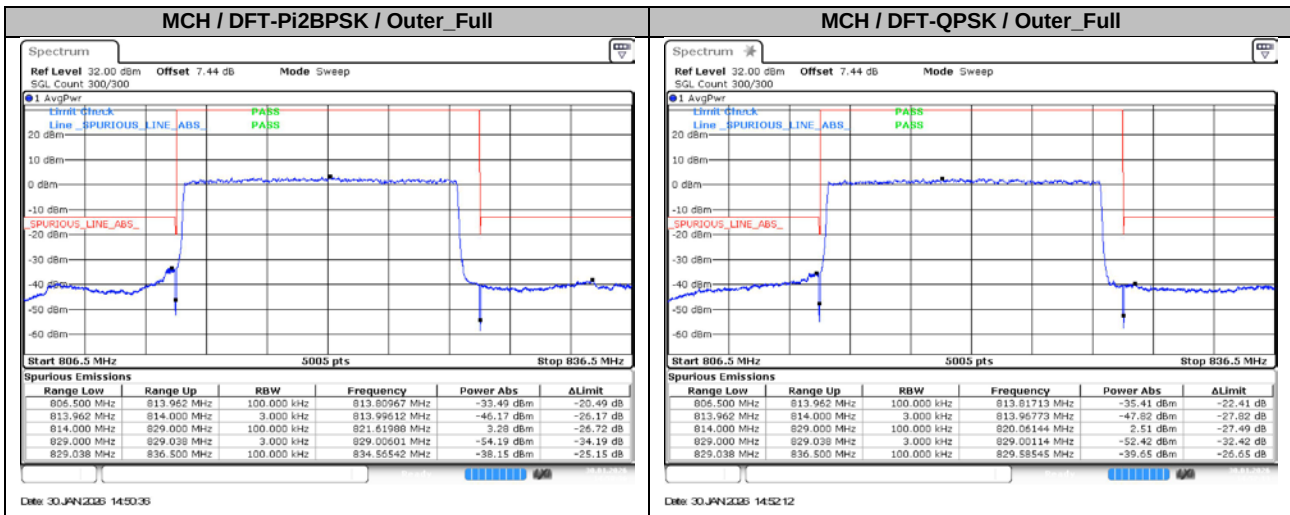
5. Conducted Band Edges

5.1. Test Plots for SCS=15KHz

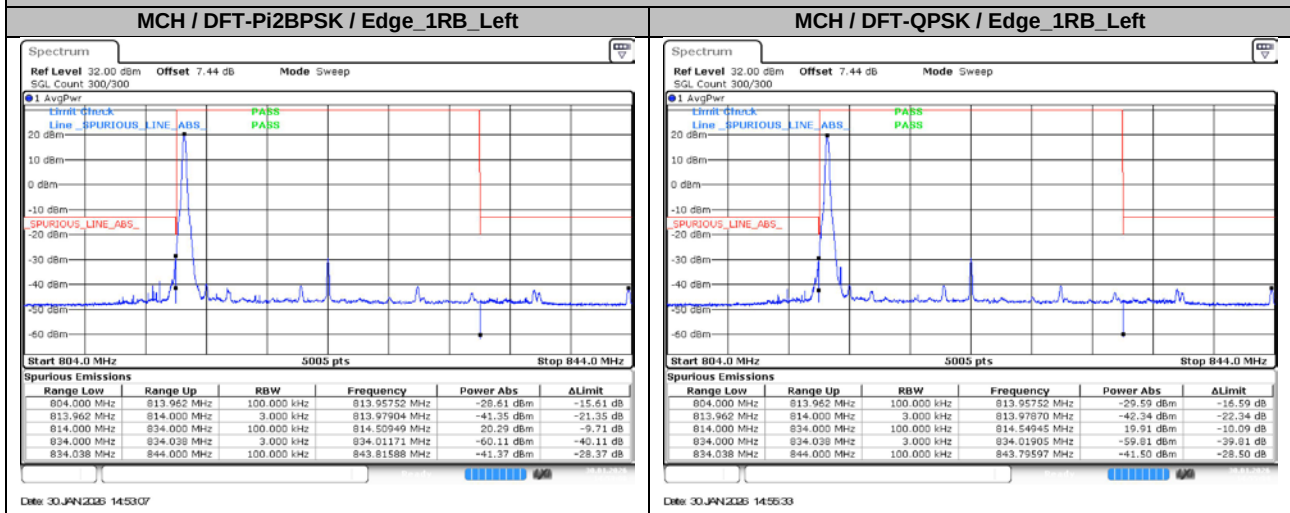
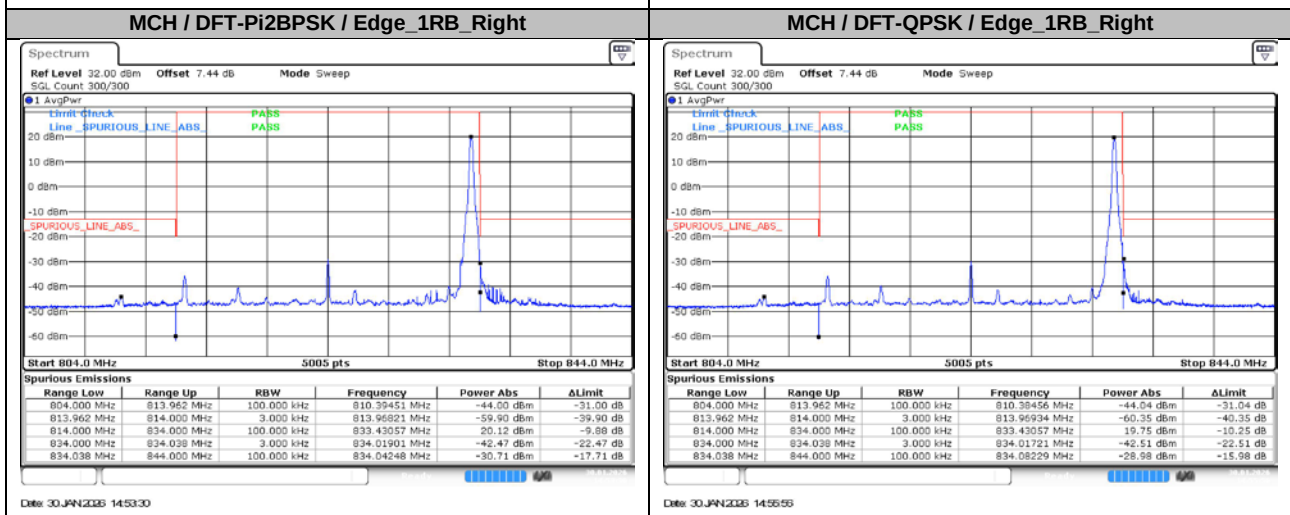


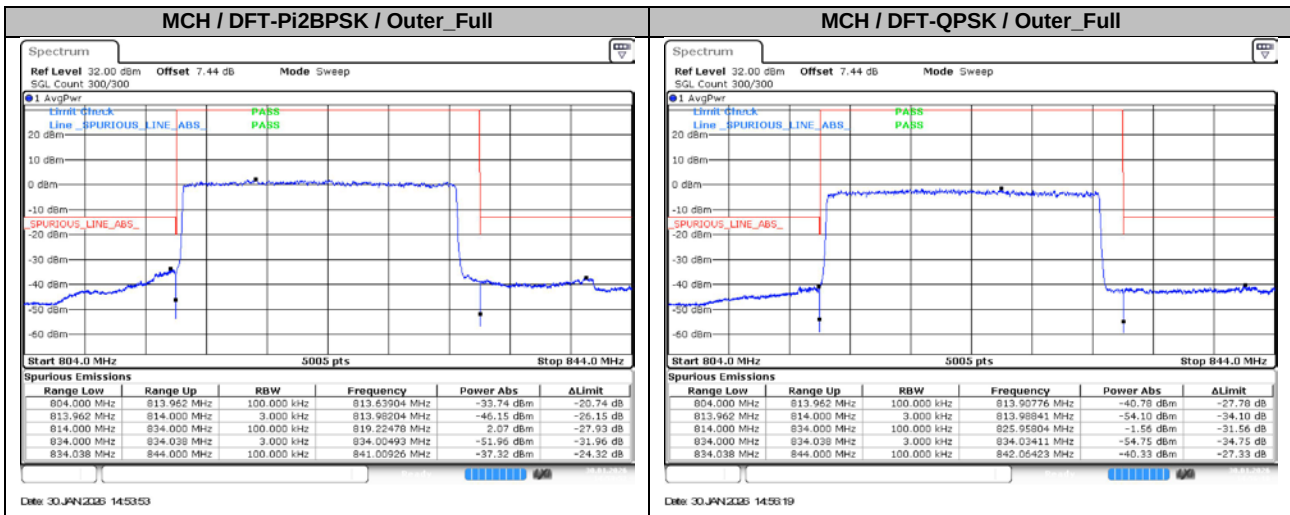






n26A / 15KHz / 20MHz

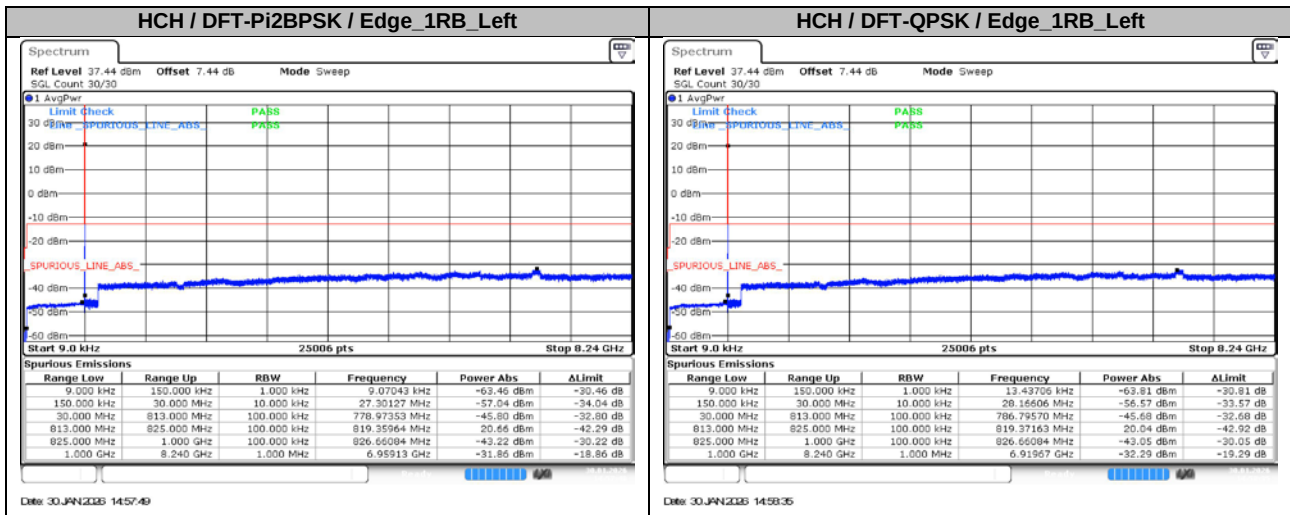
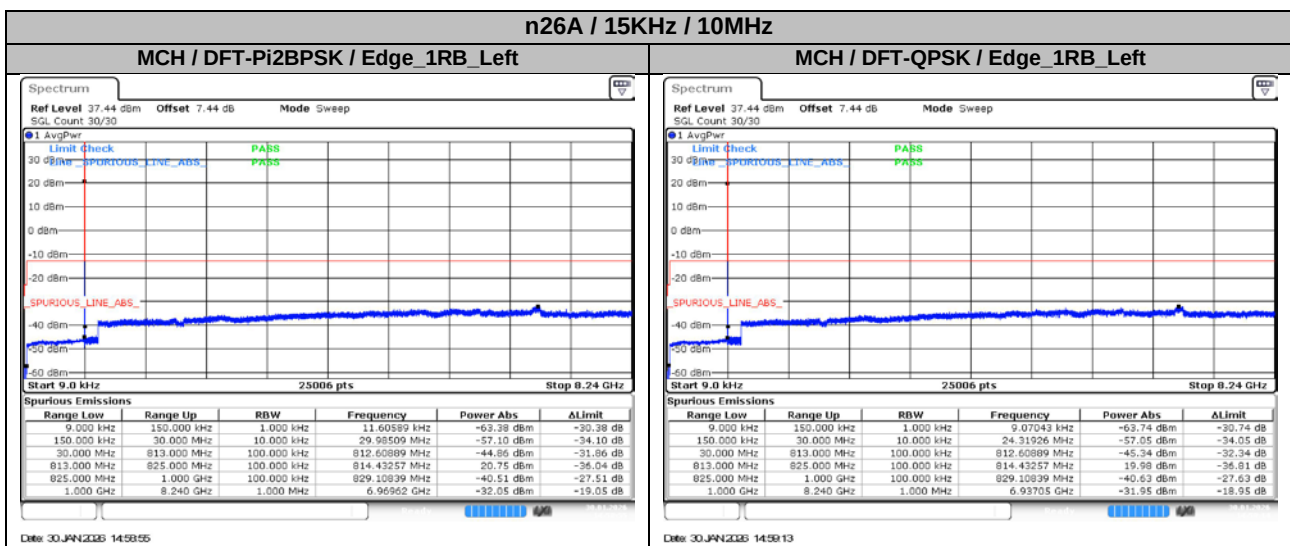
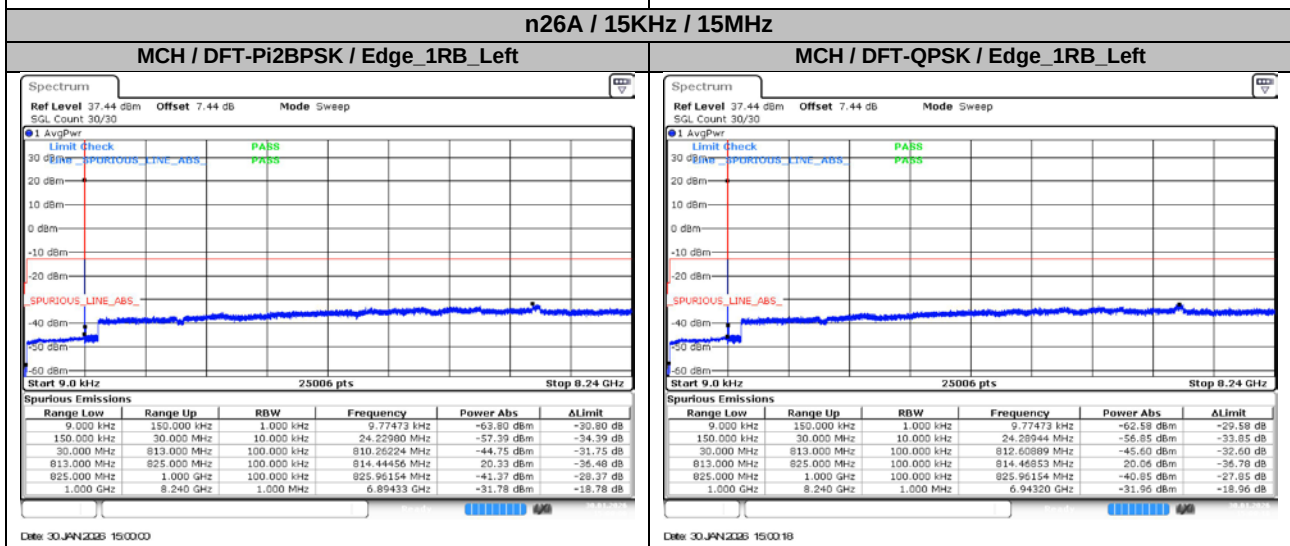


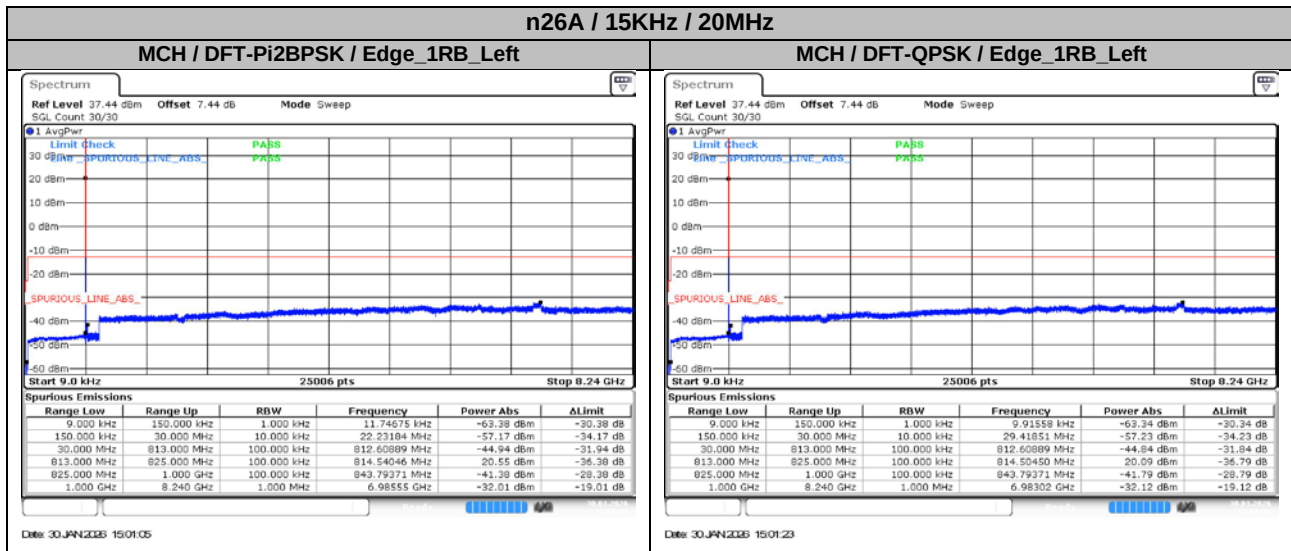


6. Conducted Spurious Emission

6.1. Test Plots for SCS=15KHz







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	-2.90	-0.003519	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	NT	NV	-3.80	-0.004612	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	NT	HV	-2.60	-0.003155	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	-5.10	-0.006189	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	-20°C	NV	-3.90	-0.004733	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	-10°C	NV	-1.40	-0.001699	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	0°C	NV	-4.60	-0.005583	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	10°C	NV	-4.80	-0.005825	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	20°C	NV	-3.70	-0.004490	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	30°C	NV	-4.50	-0.005461	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	40°C	NV	-4.80	-0.005825	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	50°C	NV	-3.40	-0.004126	Pass

The End