Appendix for n26A (824-849)

Catalogue

1. Effective Radiated Power

1.1. Test Results @ Ant0 (Antenna Gain=-4.80dBi)

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	23.01	22.89	22.91	16.06	38.45	Pass
15KHz	5MHz	LCH	DFT-QPSK	22.92	22.82	22.93	15.98	38.45	Pass
15KHz	5MHz	LCH	DFT-16QAM	21.95	21.90	22.06	15.11	38.45	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.55	20.55	20.53	13.60	38.45	Pass
15KHz	5MHz	LCH	DFT-256QAM	17.89	17.89	18.43	11.48	38.45	Pass
15KHz	5MHz	LCH	CP-QPSK	21.33	21.37	21.39	14.44	38.45	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	22.83	22.89	22.82	15.94	38.45	Pass
15KHz	5MHz	MCH	DFT-QPSK	22.80	22.81	22.90	15.95	38.45	Pass
15KHz	5MHz	MCH	DFT-16QAM	21.88	21.90	21.99	15.04	38.45	Pass
15KHz	5MHz	MCH	DFT-64QAM	20.60	20.55	20.47	13.65	38.45	Pass
15KHz	5MHz	MCH	DFT-256QAM	17.88	17.88	18.34	11.39	38.45	Pass
15KHz	5MHz	MCH	CP-QPSK	21.38	21.34	21.29	14.43	38.45	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	22.85	22.93	22.94	15.99	38.45	Pass
15KHz	5MHz	HCH	DFT-QPSK	22.82	22.80	22.85	15.90	38.45	Pass
15KHz	5MHz	HCH	DFT-16QAM	21.92	21.89	21.98	15.03	38.45	Pass
15KHz	5MHz	HCH	DFT-64QAM	20.53	20.54	20.50	13.59	38.45	Pass
15KHz	5MHz	HCH	DFT-256QAM	17.83	17.84	18.37	11.42	38.45	Pass
15KHz	5MHz	HCH	CP-QPSK	21.36	21.39	21.37	14.44	38.45	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	22.95	22.92	22.93	16.00	38.45	Pass
15KHz	10MHz	LCH	DFT-QPSK	22.94	22.83	22.86	15.99	38.45	Pass
15KHz	10MHz	LCH	DFT-16QAM	21.95	21.81	21.95	15.00	38.45	Pass
15KHz	10MHz	LCH	DFT-64QAM	20.54	20.46	20.42	13.59	38.45	Pass
15KHz	10MHz	LCH	DFT-256QAM	17.87	17.79	18.30	11.35	38.45	Pass
15KHz	10MHz	LCH	CP-QPSK	21.39	21.35	21.38	14.44	38.45	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	22.78	22.89	22.89	15.94	38.45	Pass
15KHz	10MHz	MCH	DFT-QPSK	22.71	22.83	22.89	15.94	38.45	Pass
15KHz	10MHz	MCH	DFT-16QAM	21.81	21.93	21.89	14.98	38.45	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.43	20.58	20.33	13.63	38.45	Pass
15KHz	10MHz	MCH	DFT-256QAM	17.83	17.86	18.28	11.33	38.45	Pass
15KHz	10MHz	MCH	CP-QPSK	21.20	21.39	21.28	14.44	38.45	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	22.85	23.01	22.90	16.06	38.45	Pass
15KHz	10MHz	HCH	DFT-QPSK	22.77	22.82	22.92	15.97	38.45	Pass
15KHz	10MHz	HCH	DFT-16QAM	21.83	21.89	21.92	14.97	38.45	Pass
15KHz	10MHz	HCH	DFT-64QAM	20.56	20.54	20.37	13.61	38.45	Pass
15KHz	10MHz	HCH	DFT-256QAM	17.88	17.86	18.32	11.37	38.45	Pass
15KHz	10MHz	HCH	CP-QPSK	21.36	21.32	21.38	14.43	38.45	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	23.06	22.96	23.00	16.11	38.45	Pass
15KHz	15MHz	LCH	DFT-QPSK	23.03	22.84	23.00	16.08	38.45	Pass
15KHz	15MHz	LCH	DFT-16QAM	22.11	21.96	22.07	15.16	38.45	Pass
15KHz	15MHz	LCH	DFT-64QAM	20.73	20.64	20.51	13.78	38.45	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.08	17.98	18.43	11.48	38.45	Pass
15KHz	15MHz	LCH	CP-QPSK	21.61	21.48	21.45	14.66	38.45	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	23.04	22.95	22.96	16.09	38.45	Pass
15KHz	15MHz	MCH	DFT-QPSK	22.95	22.89	22.96	16.01	38.45	Pass
15KHz	15MHz	MCH	DFT-16QAM	22.05	21.96	21.98	15.10	38.45	Pass
15KHz	15MHz	MCH	DFT-64QAM	20.68	20.63	20.50	13.73	38.45	Pass
15KHz	15MHz	MCH	DFT-256QAM	18.01	18.02	18.42	11.47	38.45	Pass
15KHz	15MHz	MCH	CP-QPSK	21.53	21.51	21.47	14.58	38.45	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	22.92	22.95	22.94	16.00	38.45	Pass
15KHz	15MHz	HCH	DFT-QPSK	22.81	22.85	22.96	16.01	38.45	Pass
15KHz	15MHz	HCH	DFT-16QAM	21.91	21.92	21.94	14.99	38.45	Pass
15KHz	15MHz	HCH	DFT-64QAM	20.58	20.64	20.45	13.69	38.45	Pass
15KHz	15MHz	HCH	DFT-256QAM	17.89	18.01	18.41	11.46	38.45	Pass
15KHz	15MHz	HCH	CP-QPSK	21.38	21.56	21.39	14.61	38.45	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	23.10	22.99	23.02	16.15	38.45	Pass
15KHz	20MHz	LCH	DFT-QPSK	22.97	22.89	22.96	16.02	38.45	Pass
15KHz	20MHz	LCH	DFT-16QAM	22.05	21.95	22.01	15.10	38.45	Pass
15KHz	20MHz	LCH	DFT-64QAM	20.75	20.59	20.54	13.80	38.45	Pass

15KHz	20MHz	LCH	DFT-256QAM	18.04	18.00	18.46	11.51	38.45	Pass
15KHz	20MHz	LCH	CP-QPSK	21.56	21.41	21.47	14.61	38.45	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	23.09	22.96	22.96	16.14	38.45	Pass
15KHz	20MHz	MCH	DFT-QPSK	23.00	22.83	22.93	16.05	38.45	Pass
15KHz	20MHz	MCH	DFT-16QAM	22.12	22.03	21.92	15.17	38.45	Pass
15KHz	20MHz	MCH	DFT-64QAM	20.78	20.63	20.47	13.83	38.45	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.10	18.00	18.44	11.49	38.45	Pass
15KHz	20MHz	MCH	CP-QPSK	21.59	21.47	21.43	14.64	38.45	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	23.01	22.89	22.98	16.06	38.45	Pass
15KHz	20MHz	HCH	DFT-QPSK	22.95	22.90	22.95	16.00	38.45	Pass
15KHz	20MHz	HCH	DFT-16QAM	21.97	21.95	21.96	15.02	38.45	Pass
15KHz	20MHz	HCH	DFT-64QAM	20.66	20.63	20.47	13.71	38.45	Pass
15KHz	20MHz	HCH	DFT-256QAM	18.01	17.98	18.46	11.51	38.45	Pass
15KHz	20MHz	HCH	CP-QPSK	21.55	21.43	21.45	14.60	38.45	Pass

2. Peak-to-Average Ratio

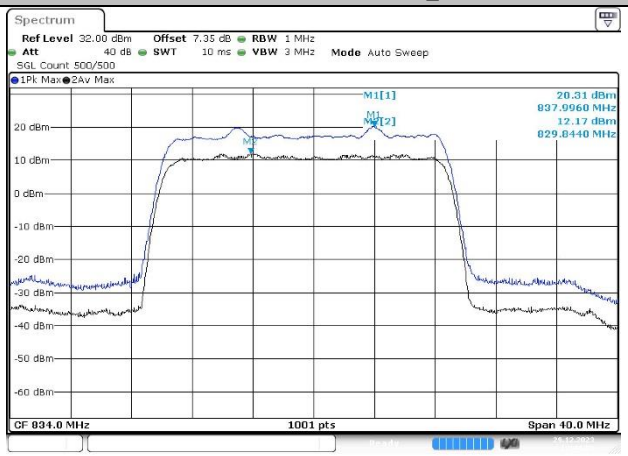
2.1. Test Results

SCS	Bandwidth	Channel	Modulation	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	20MHz	LCH	Outer_Full	8.14	6.92	13.00	Pass
15KHz	20MHz	MCH	Outer_Full	8.19	6.79	13.00	Pass
15KHz	20MHz	HCH	Outer_Full	8.43	6.60	13.00	Pass

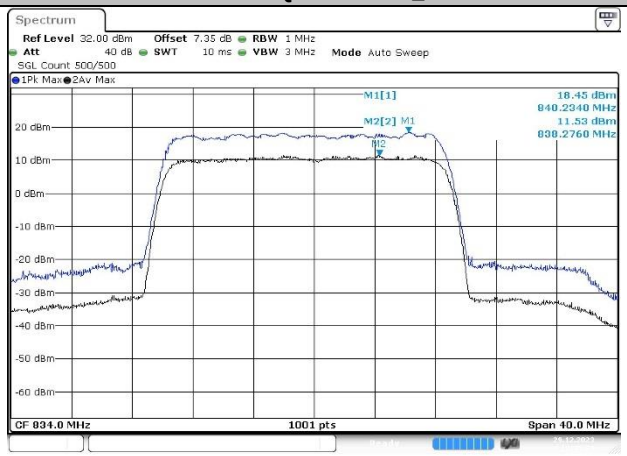
2.2. Test Plots

n26A / 15KHz / 20MHz

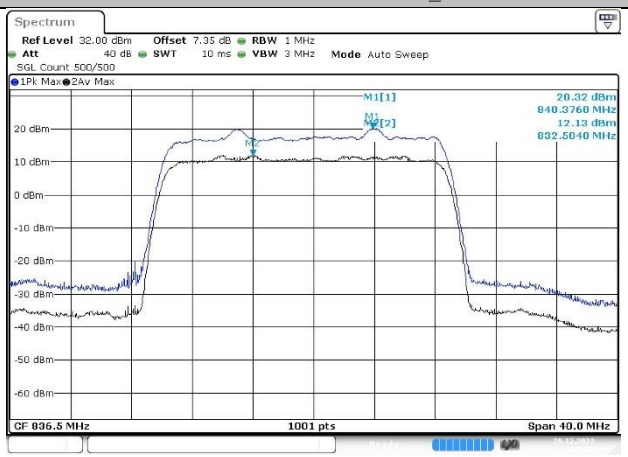
LCH / DFT-Pi2BPSK / Outer_Full



LCH / DFT-QPSK / Outer_Full

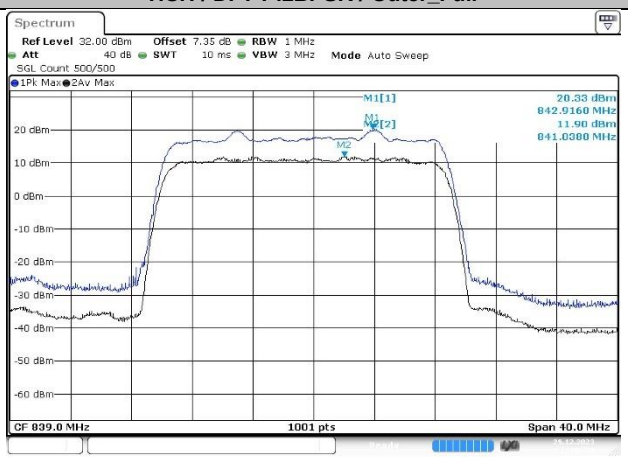


MCH / DFT-Pi2BPSK / Outer_Full

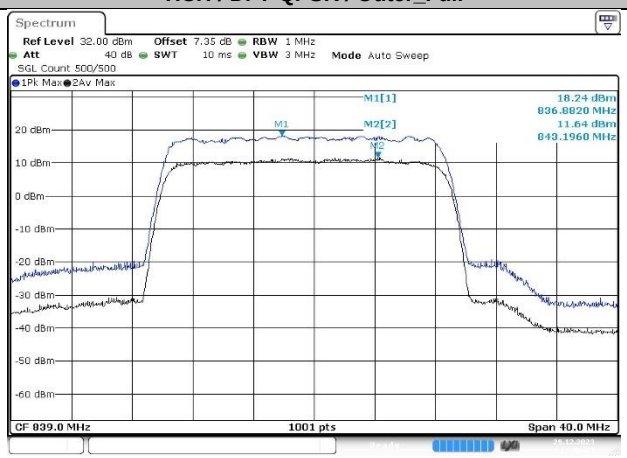


MCH / DFT-QPSK / Outer_Full

HCH / DFT-Pi2BPSK / Outer_Full

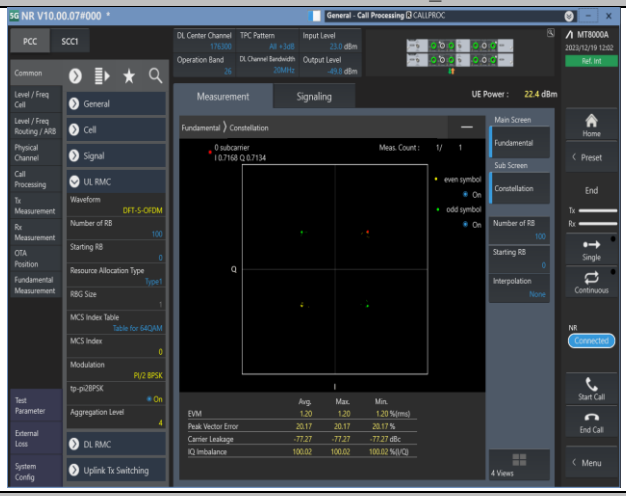
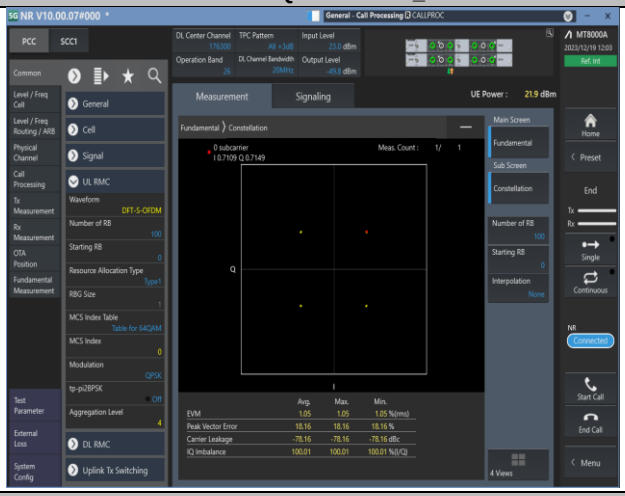
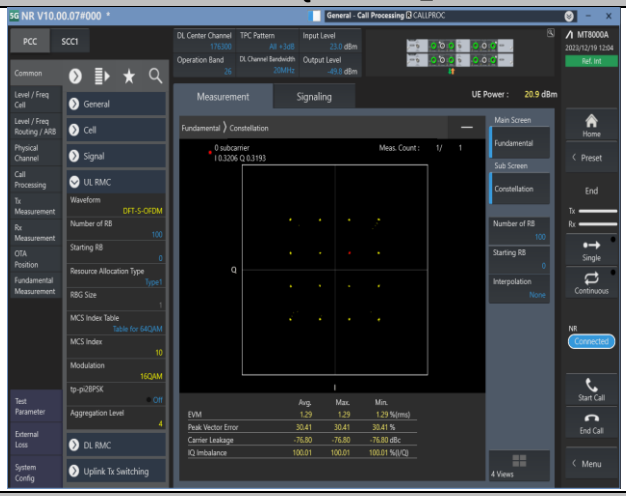
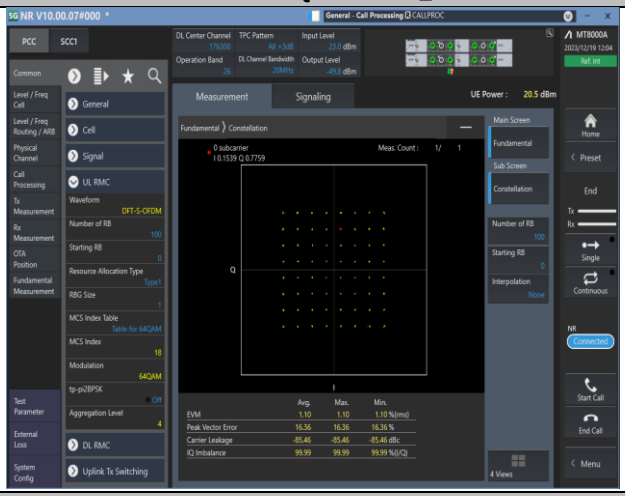
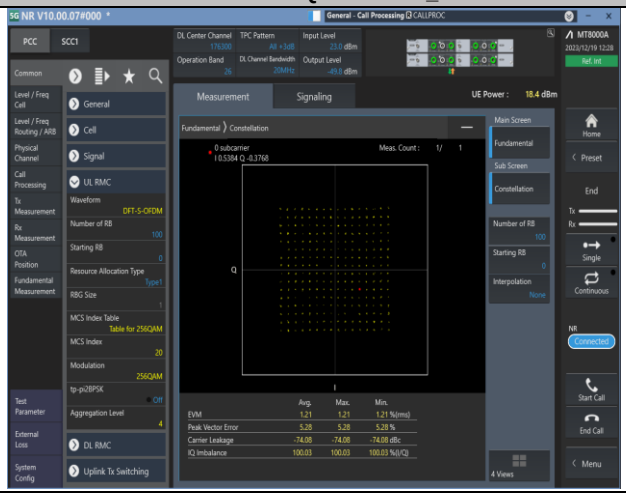
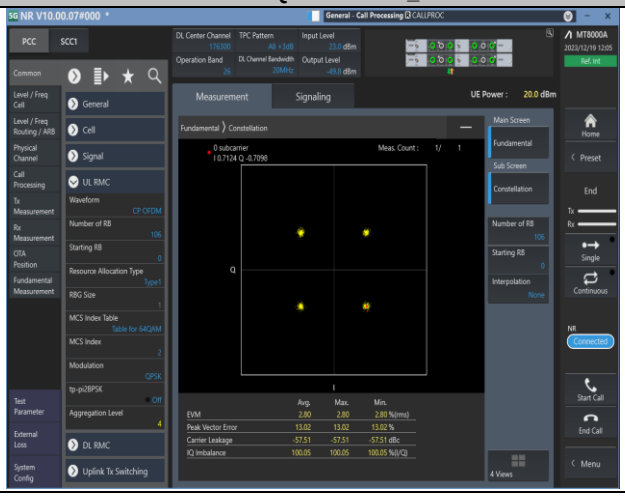


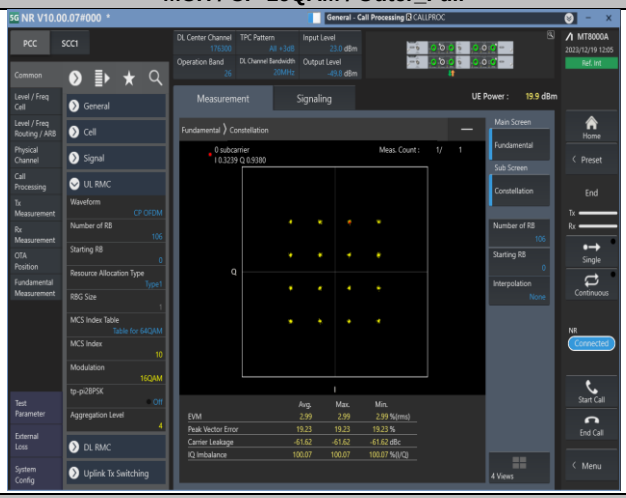
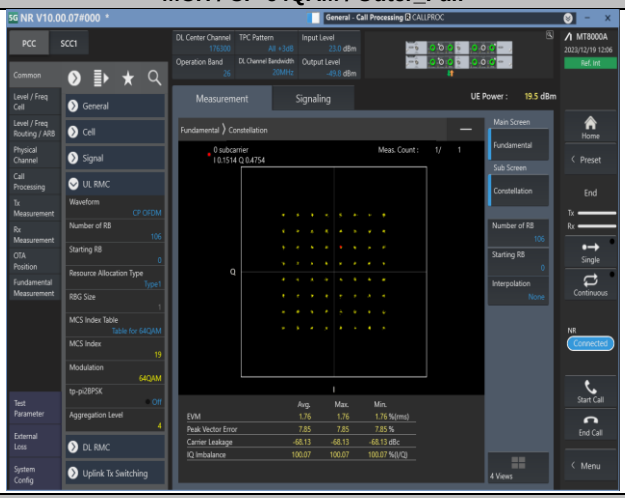
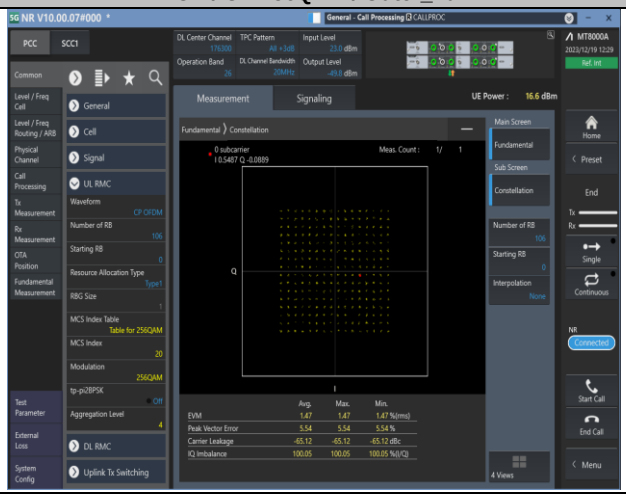
HCH / DFT-QPSK / Outer_Full



3. Modulation Characteristics

3.1. Test Plots

n26A / 15KHz / 20MHz	
MCH / DFT-Pi2BPSK / Outer_Full	MCH / DFT-QPSK / Outer_Full
	
MCH / DFT-16QAM / Outer_Full	MCH / DFT-64QAM / Outer_Full
	
MCH / DFT-256QAM / Outer_Full	MCH / CP-QPSK / Outer_Full
	

MCH / CP-16QAM / Outer_Full	MCH / CP-64QAM / Outer_Full
	
MCH / CP-256QAM / Outer_Full	
	*Intentionally Blank*

4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

4.1. Test Results

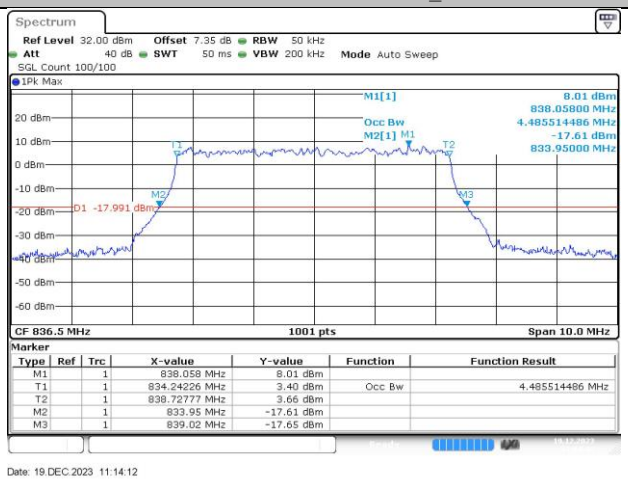
SCS	Bandwidth	Modulation	RB Config	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.49	5.07	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.48	4.95	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.49	5.18	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.50	5.20	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.50	5.20	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.48	5.15	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.91	9.62	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.91	9.68	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.27	10.14	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.25	10.00	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.27	10.00	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.29	10.08	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.43	14.31	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.43	14.40	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.09	15.12	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.12	15.15	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.15	15.15	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.09	15.15	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.86	18.88	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.82	18.88	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.86	19.88	Pass

15KHz	20MHz	CP-16QAM	Outer_Full	18.90	19.96	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	18.90	19.96	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	18.94	19.96	Pass

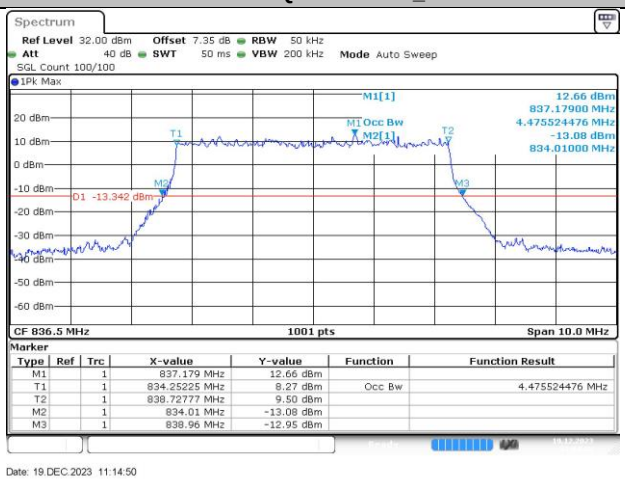
4.2. Test Plots

n26A / 15KHz / 5MHz

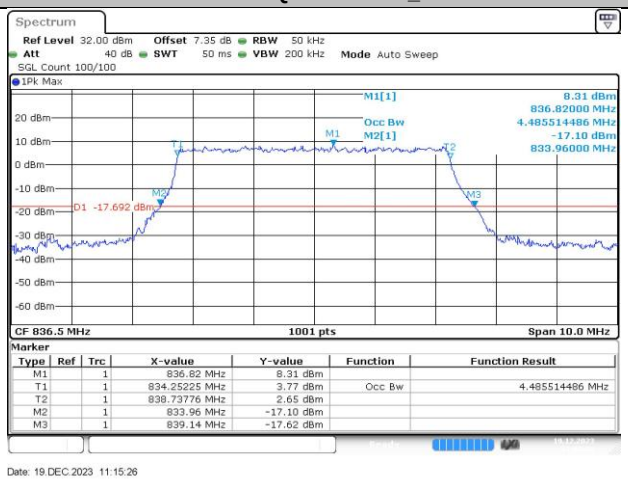
MCH / DFT-Pi2BPSK / Outer_Full



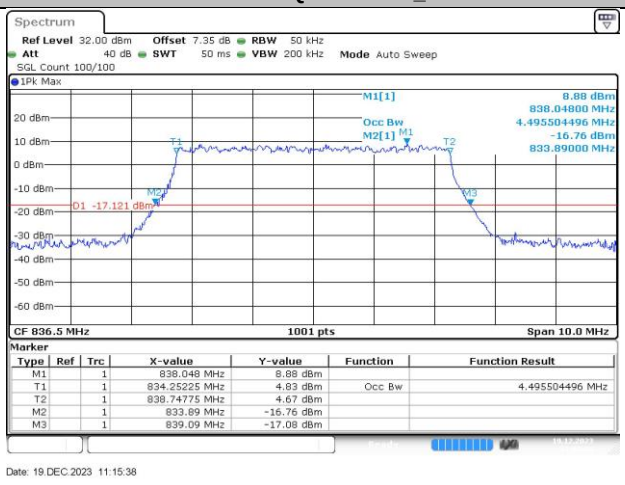
MCH / DFT-QPSK / Outer_Full



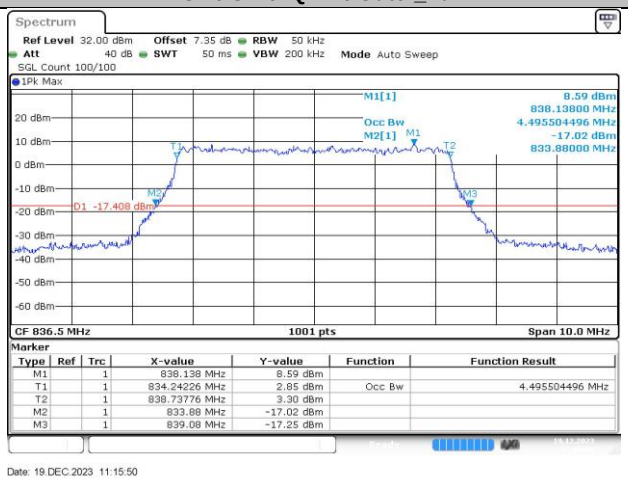
MCH / CP-QPSK / Outer_Full



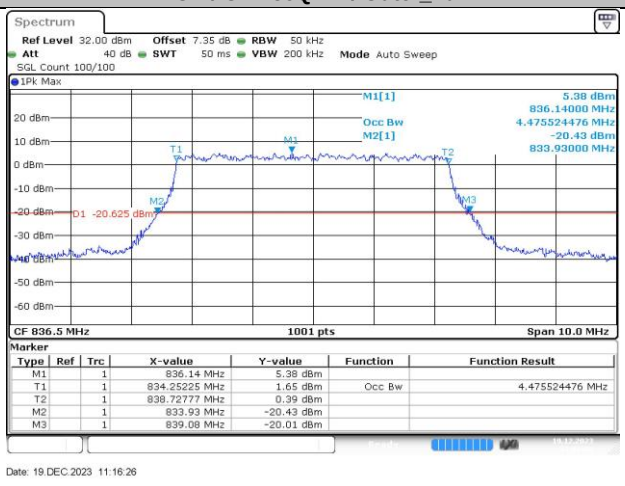
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

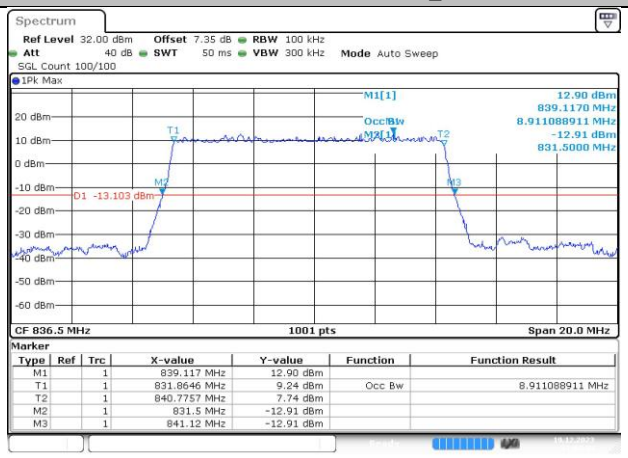


MCH / CP-256QAM / Outer_Full

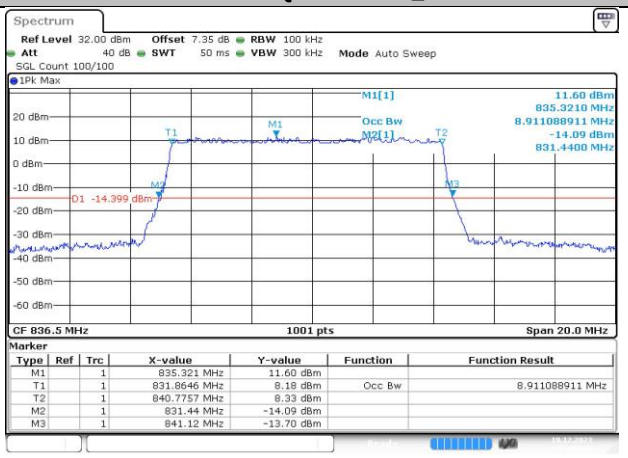


n26A / 15KHz / 10MHz

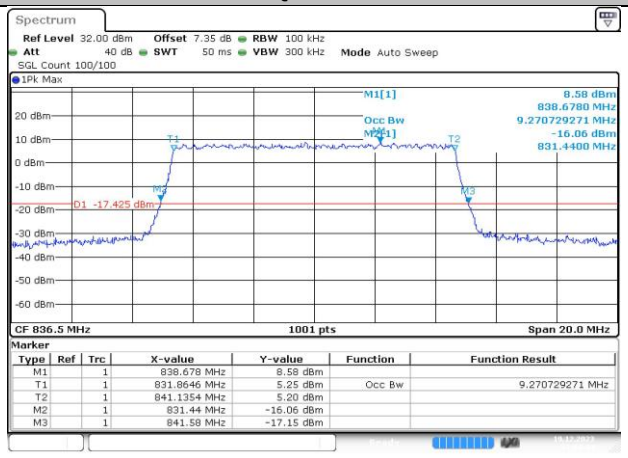
MCH / DFT-Pi2BPSK / Outer_Full



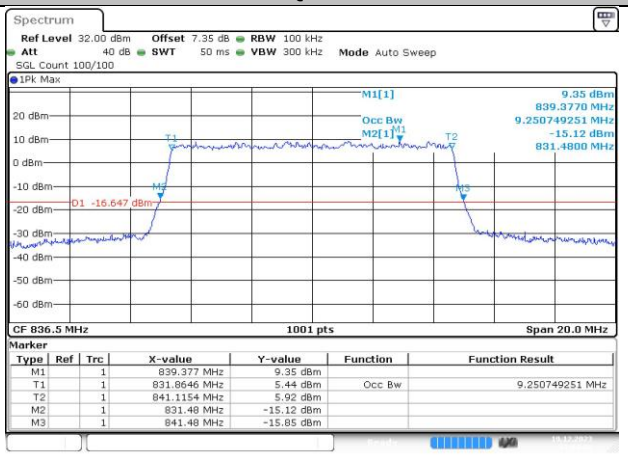
MCH / DFT-QPSK / Outer_Full



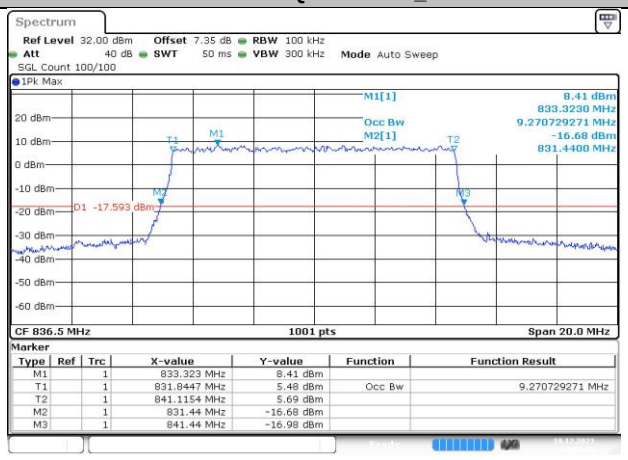
MCH / CP-QPSK / Outer_Full



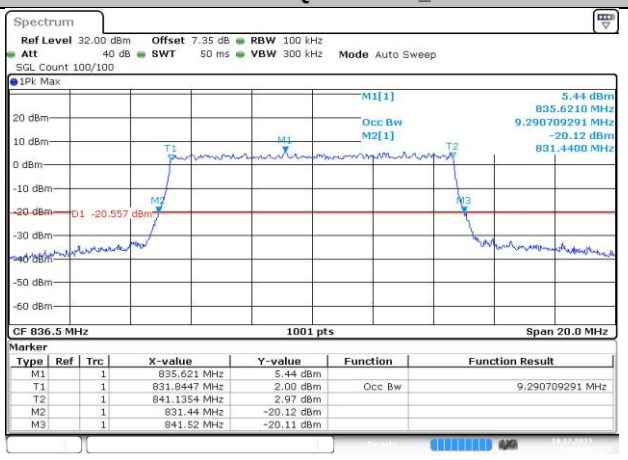
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

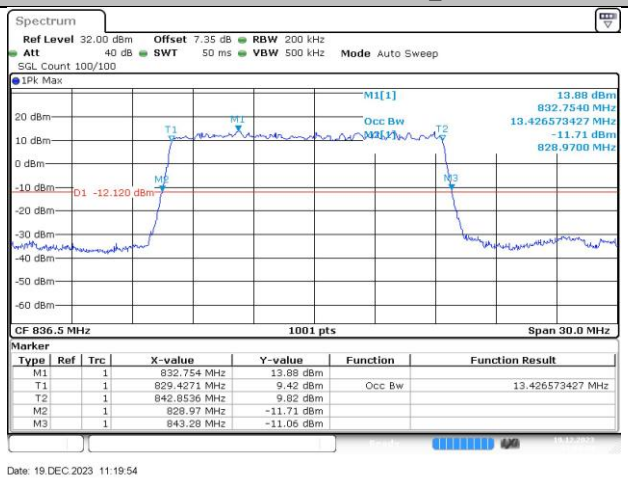


MCH / CP-256QAM / Outer_Full

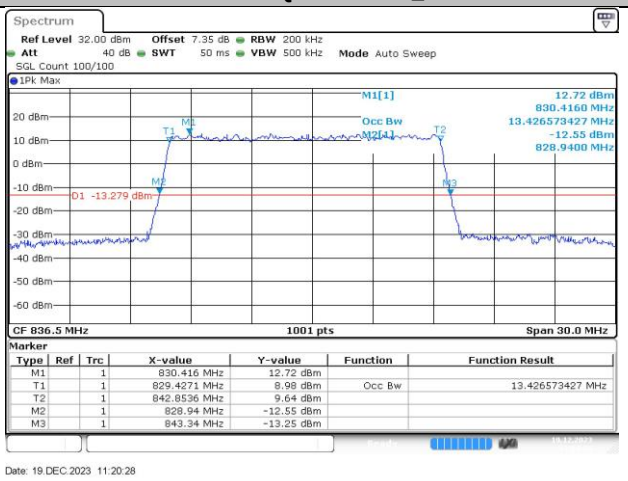


n26A / 15KHz / 15MHz

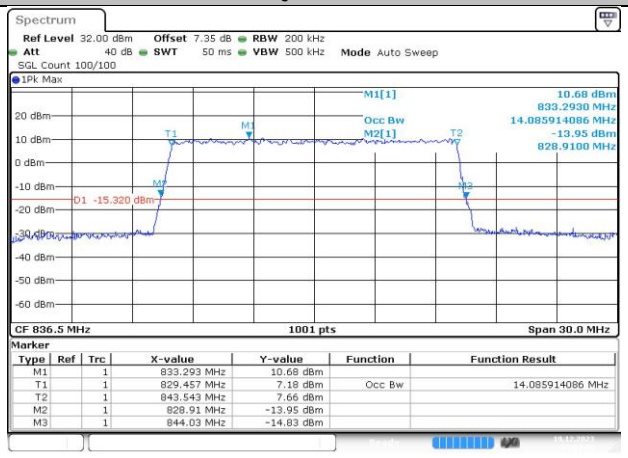
MCH / DFT-Pi2BPSL / Outer_Full



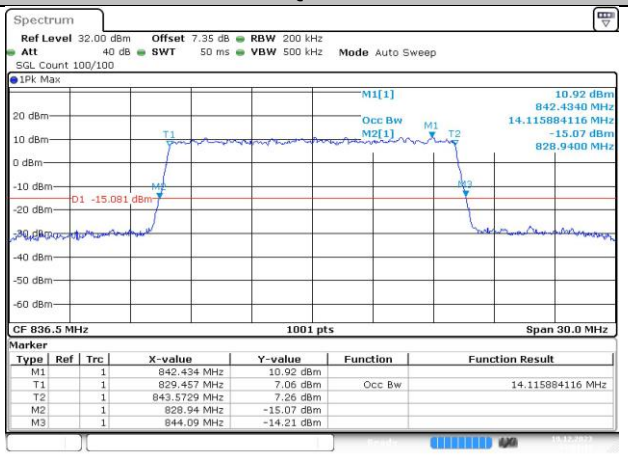
MCH / DFT-QPSK / Outer_Full



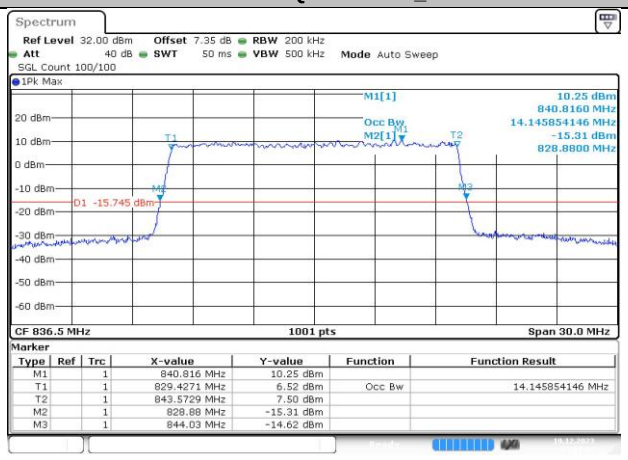
MCH / CP-QPSK / Outer_Full



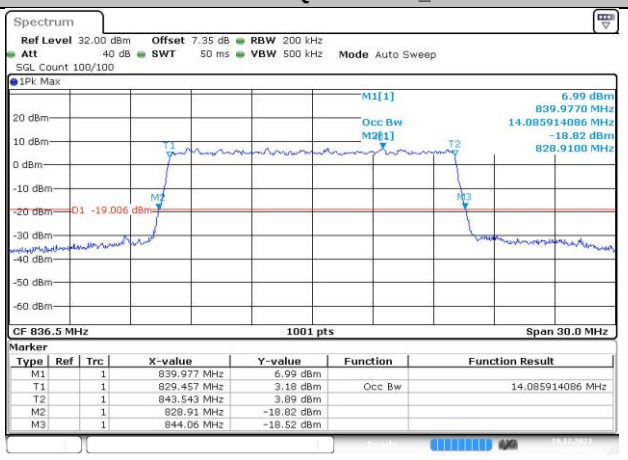
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

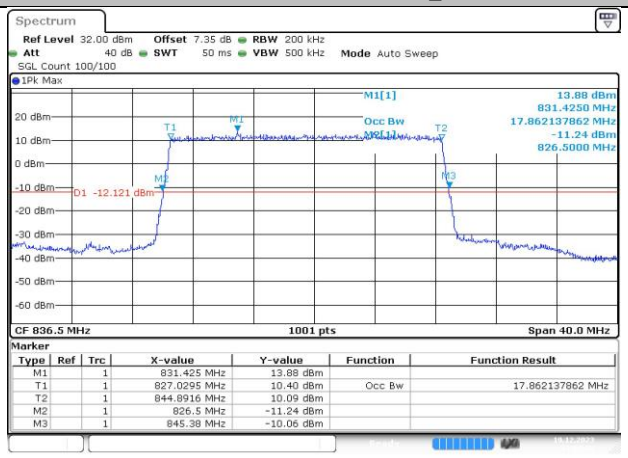


MCH / CP-256QAM / Outer_Full

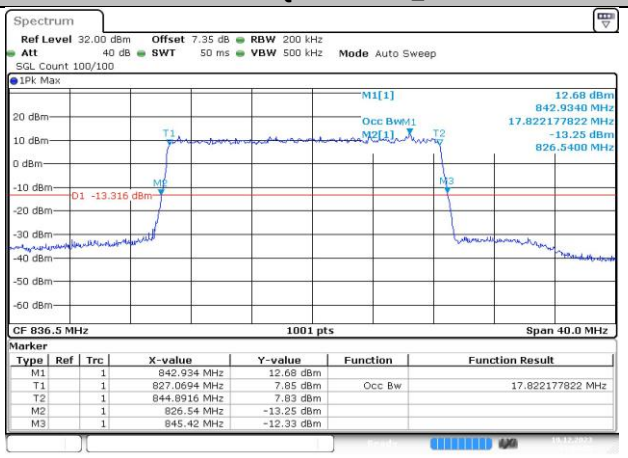


n26A / 15KHz / 20MHz

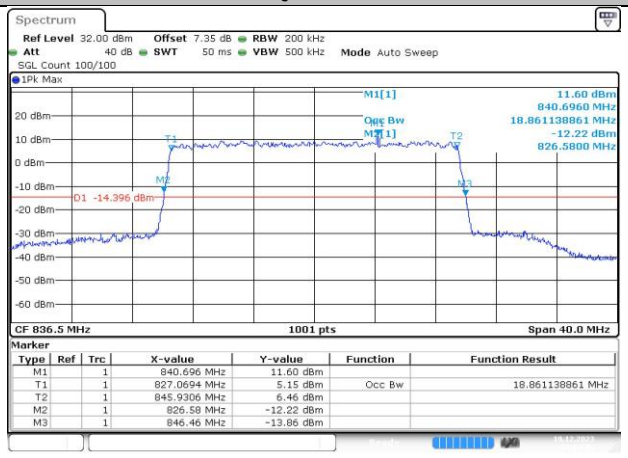
MCH / DFT-Pi2BPSK / Outer_Full



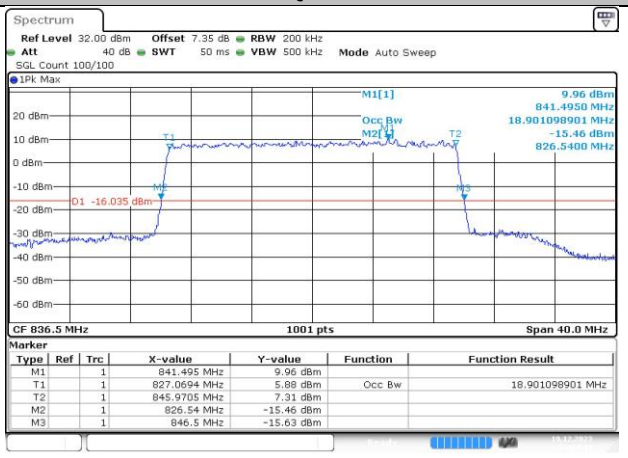
MCH / DFT-QPSK / Outer_Full



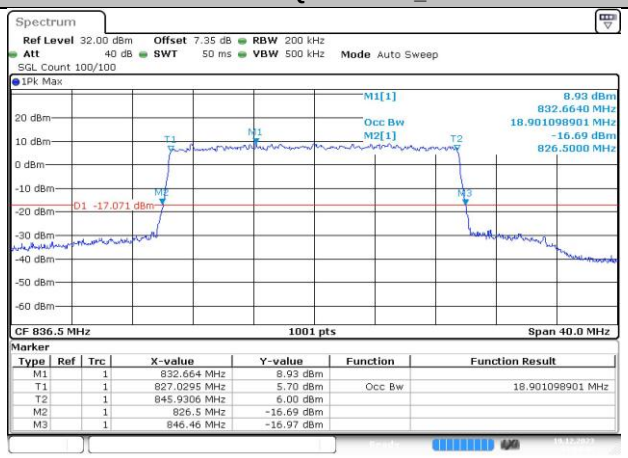
MCH / CP-QPSK / Outer_Full



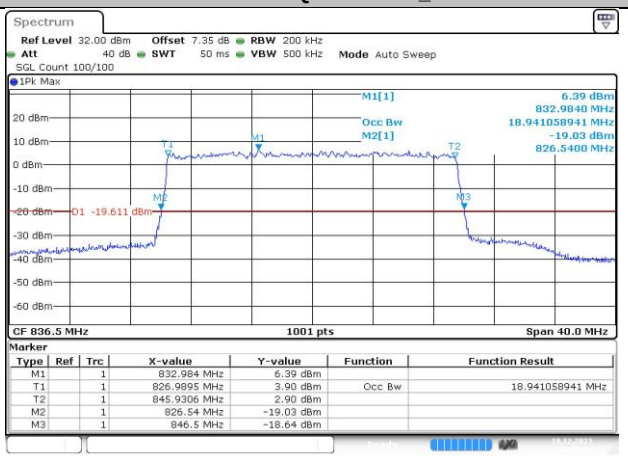
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full



MCH / CP-256QAM / Outer_Full

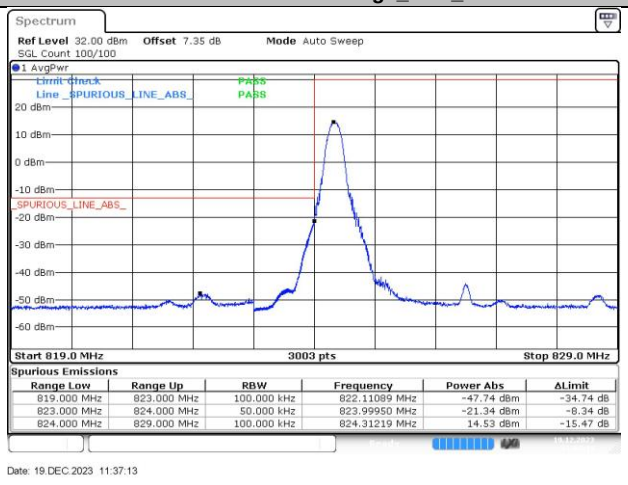


5. Conducted Band Edges

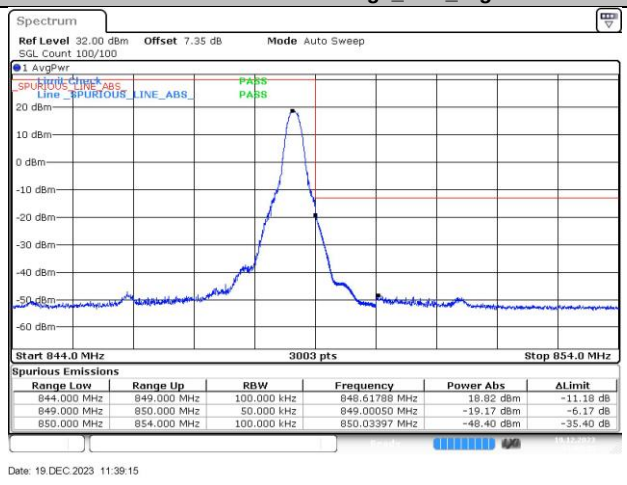
5.1. Test Plots

n26A / 15KHz / 5MHz

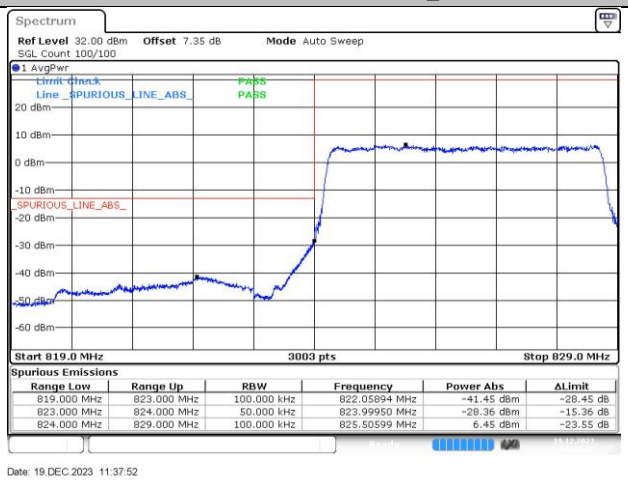
LCH / DFT-Pi2BPSK / Edge_1RB_Left



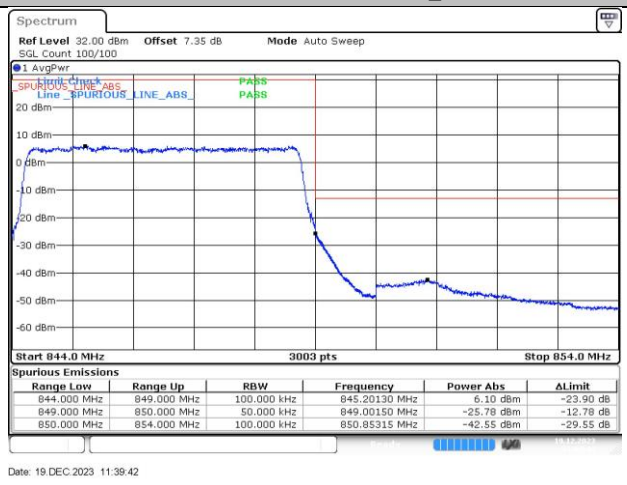
HCH / DFT-Pi2BPSK / Edge_1RB_Right



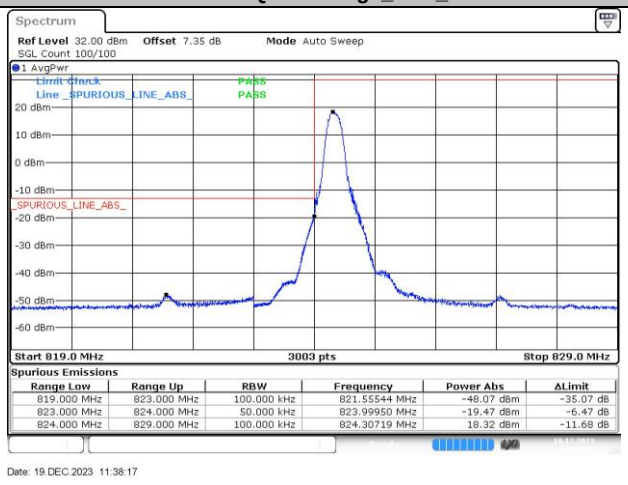
LCH / DFT-Pi2BPSK / Outer_Full



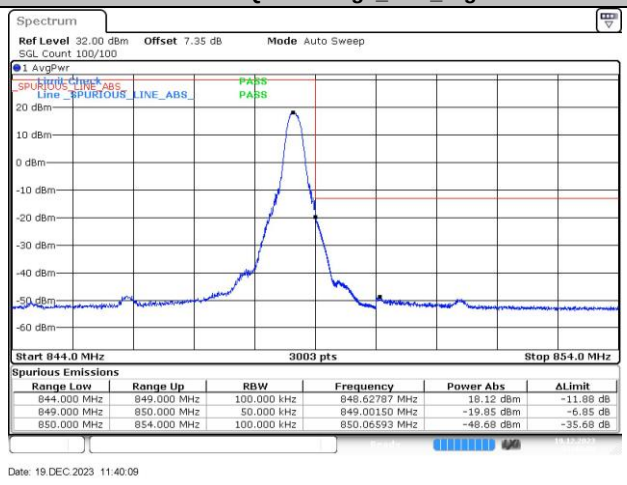
HCH / DFT-Pi2BPSK / Outer_Full



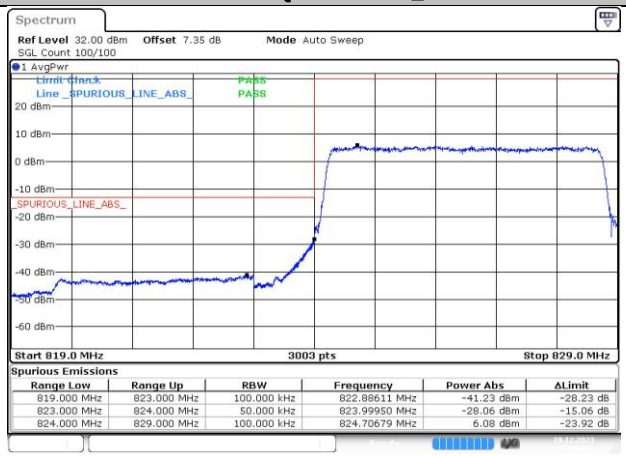
LCH / DFT-QPSK / Edge_1RB_Left



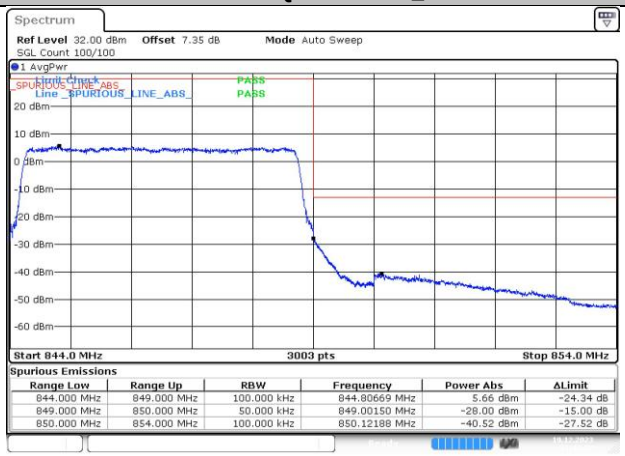
HCH / DFT-QPSK / Edge_1RB_Right



LCH / DFT-QPSK / Outer_Full

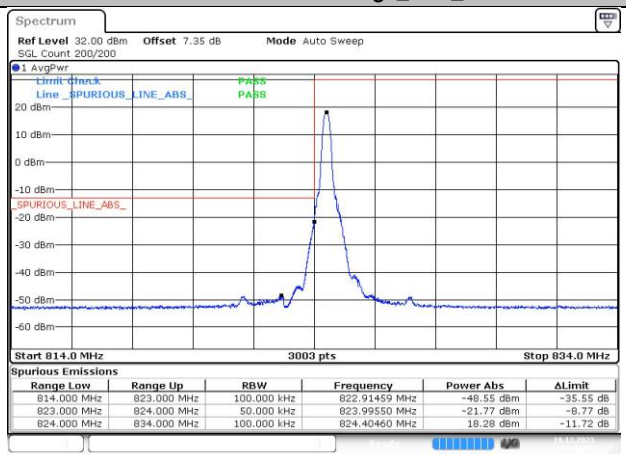


HCH / DFT-QPSK / Outer_Full

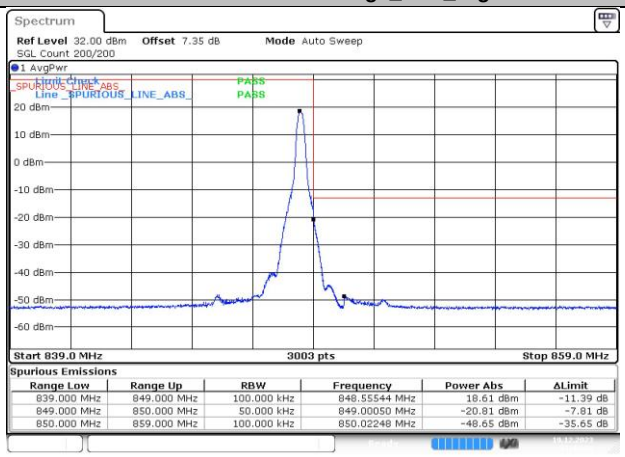


n26A / 15KHz / 10MHz

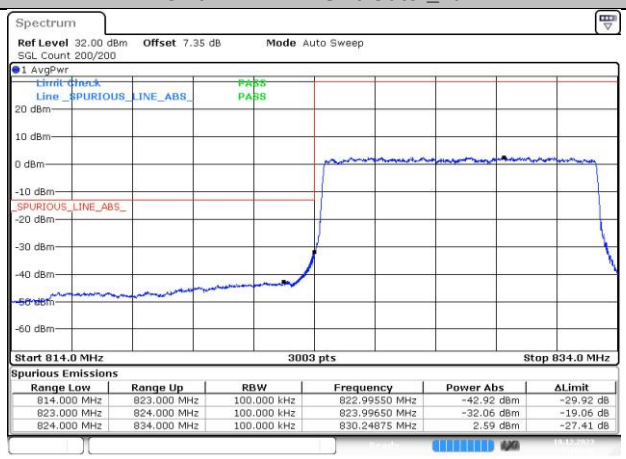
LCH / DFT-Pi2BPSK / Edge_1RB_Left



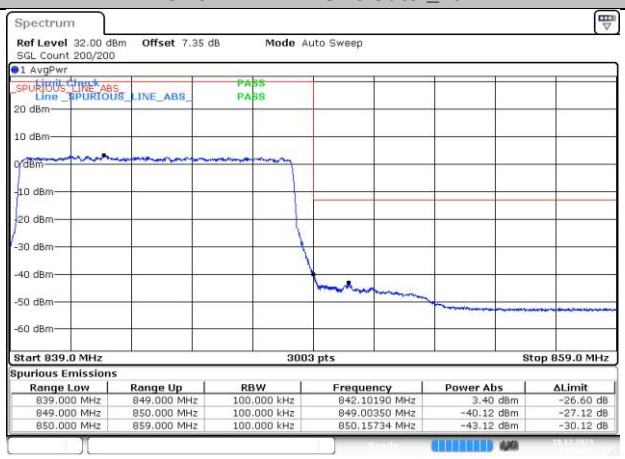
HCH / DFT-Pi2BPSK / Edge_1RB_Right



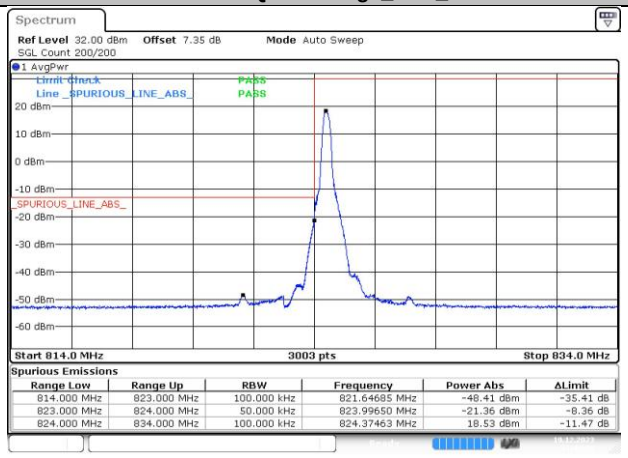
LCH / DFT-Pi2BPSK / Outer_Full



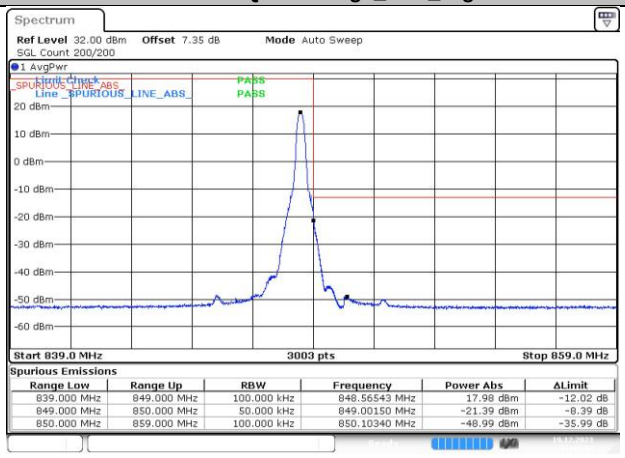
HCH / DFT-Pi2BPSK / Outer_Full



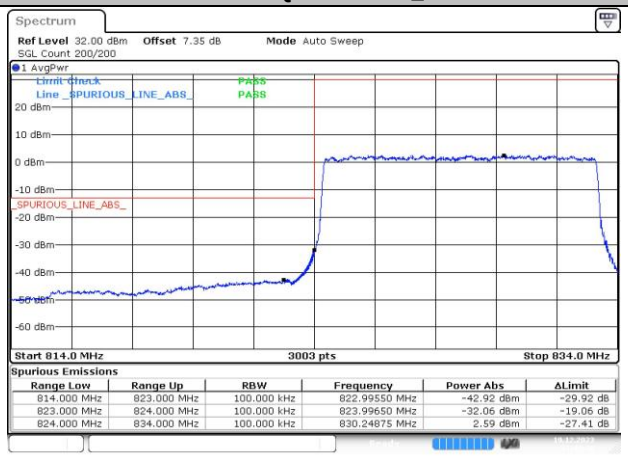
LCH / DFT-QPSK / Edge_1RB_Left



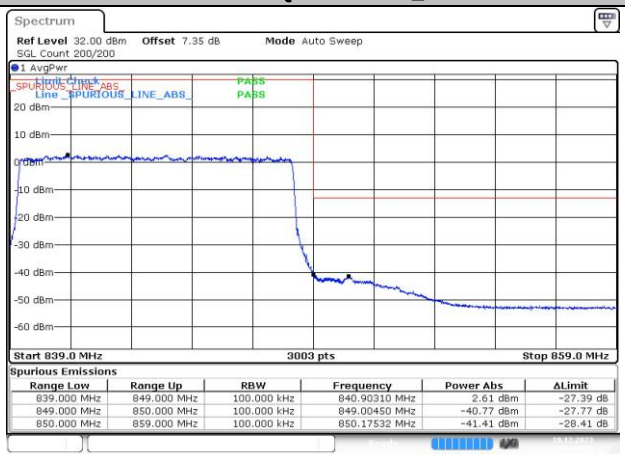
HCH / DFT-QPSK / Edge_1RB_Right



LCH / DFT-QPSK / Outer_Full

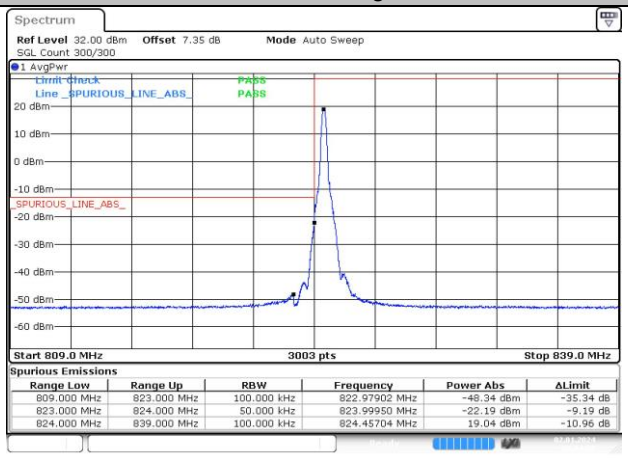


HCH / DFT-QPSK / Outer_Full

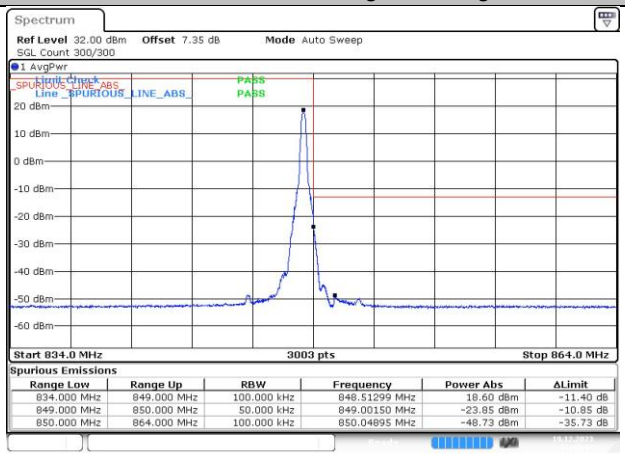


n26A / 15KHz / 15MHz

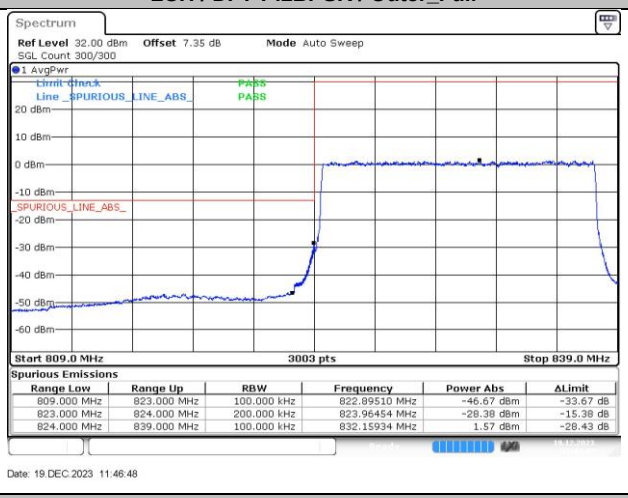
LCH / DFT-Pi2BPSK / Edge_1RB_Left



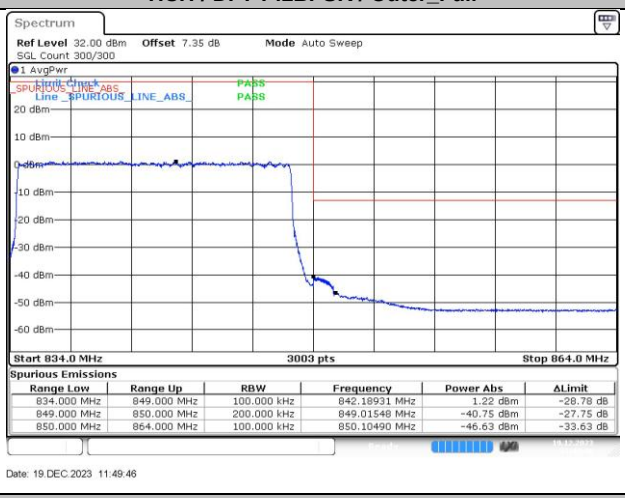
HCH / DFT-Pi2BPSK / Edge_1RB_Right



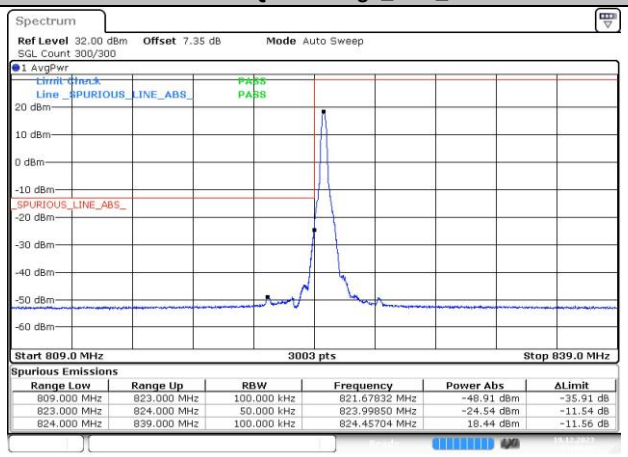
LCH / DFT-Pi2BPSK / Outer_Full



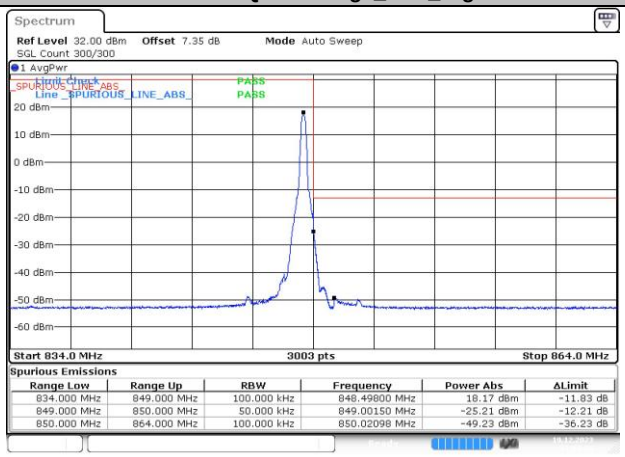
HCH / DFT-Pi2BPSK / Outer_Full



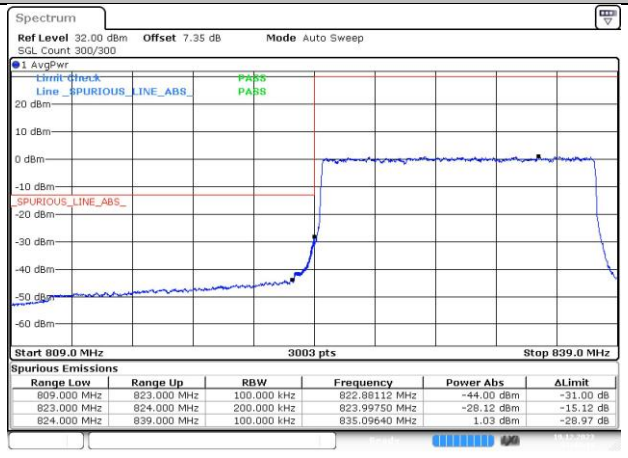
LCH / DFT-QPSK / Edge_1RB_Left



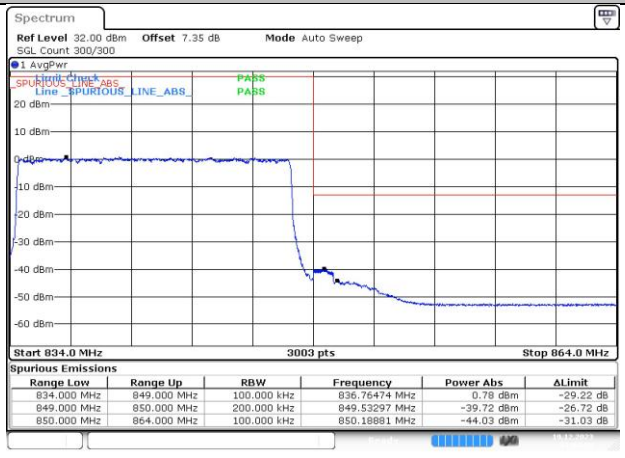
HCH / DFT-QPSK / Edge_1RB_Right



LCH / DFT-QPSK / Outer_Full

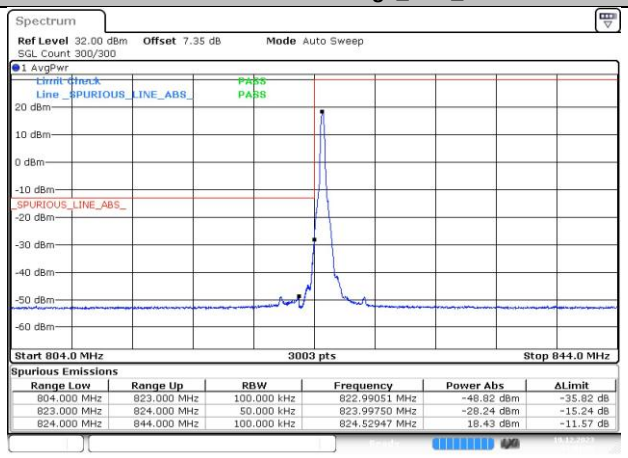


HCH / DFT-QPSK / Outer_Full

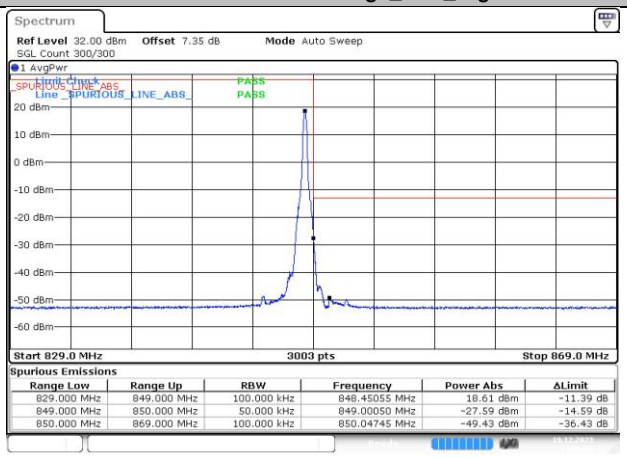


n26A / 15KHz / 20MHz

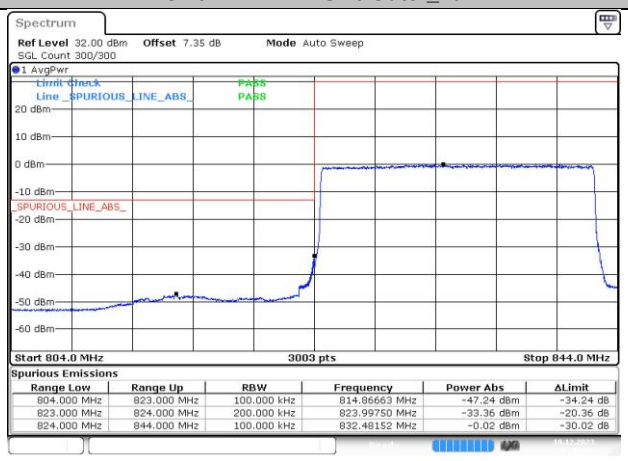
LCH / DFT-Pi2BPSK / Edge_1RB_Left



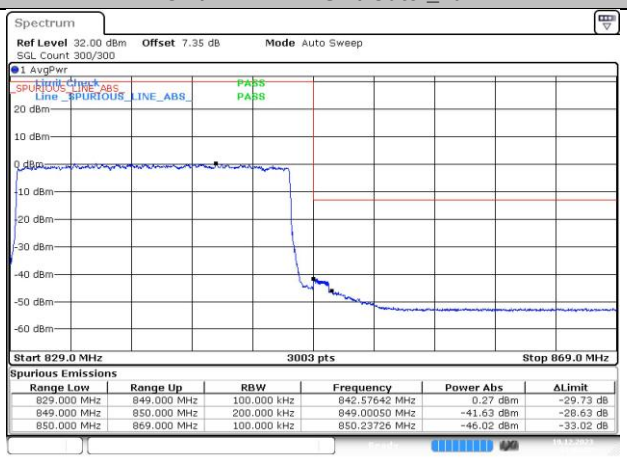
HCH / DFT-Pi2BPSK / Edge_1RB_Right



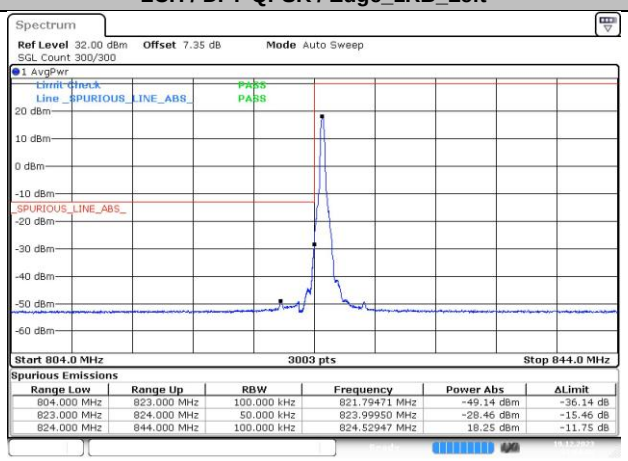
LCH / DFT-Pi2BPSK / Outer_Full



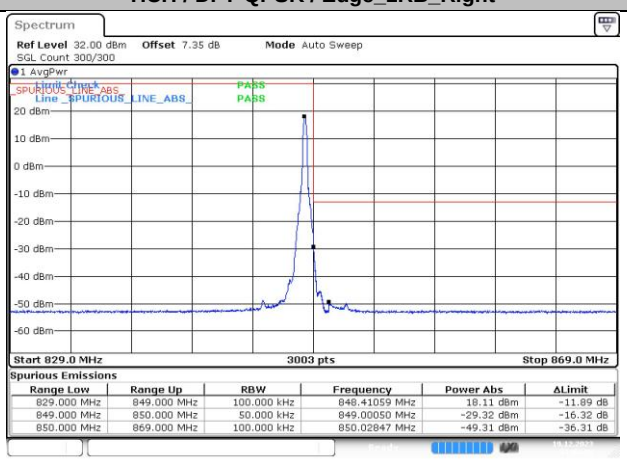
HCH / DFT-Pi2BPSK / Outer_Full



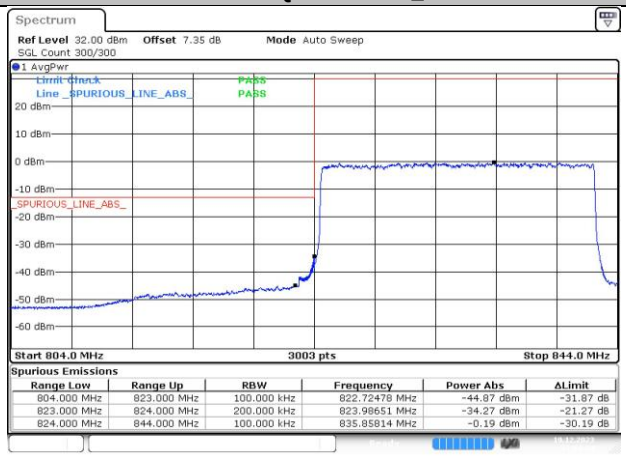
LCH / DFT-QPSK / Edge_1RB_Left

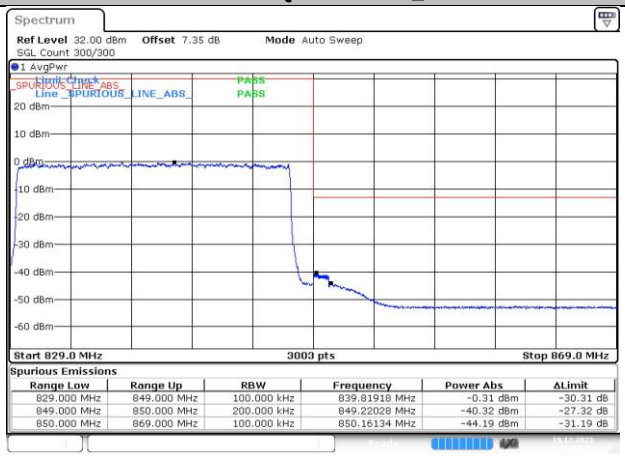


HCH / DFT-QPSK / Edge_1RB_Right



LCH / DFT-QPSK / Outer_Full	HCH / DFT-QPSK / Outer_Full

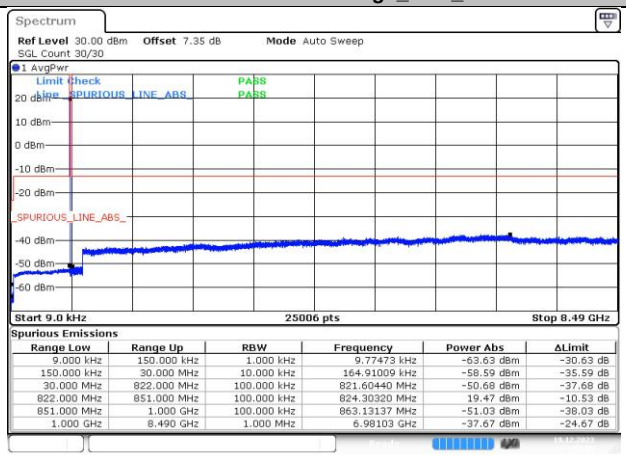


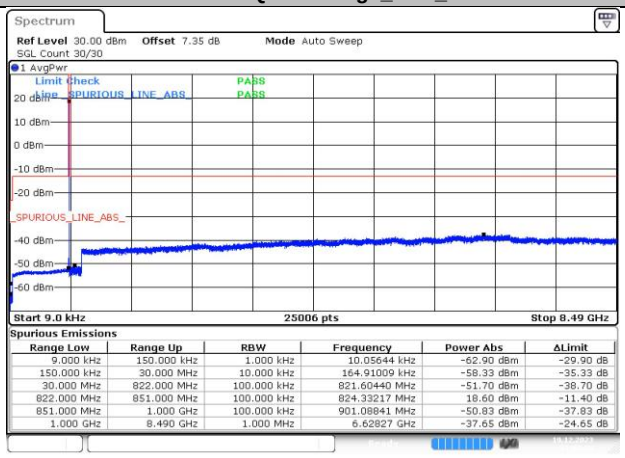


6. Conducted Spurious Emission

6.1. Test Plots

n26A / 15KHz / 5MHz	
LCH / DFT-Pi2BPSK / Edge_1RB_Left	LCH / DFT-QPSK / Edge_1RB_Left





MCH / DFT-Pi2BPSK / Edge_1RB_Left	MCH / DFT-QPSK / Edge_1RB_Left