Appendix for n26A (824-849)

Catalogue

1. Effective Radiated Power

1.1. Test Results @ Ant0 (Antenna Gain=-2.36dBi)

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	22.87	22.71	22.74	15.56	38.45	Pass
15KHz	5MHz	LCH	DFT-QPSK	22.82	22.75	22.83	15.52	38.45	Pass
15KHz	5MHz	LCH	DFT-16QAM	21.66	21.68	21.89	14.58	38.45	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.41	20.48	20.37	13.17	38.45	Pass
15KHz	5MHz	LCH	DFT-256QAM	17.76	17.71	18.31	11.00	38.45	Pass
15KHz	5MHz	LCH	CP-QPSK	21.16	21.18	21.35	14.04	38.45	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	22.76	22.85	22.72	15.54	38.45	Pass
15KHz	5MHz	MCH	DFT-QPSK	22.78	22.77	22.76	15.47	38.45	Pass
15KHz	5MHz	MCH	DFT-16QAM	21.76	21.86	21.83	14.55	38.45	Pass
15KHz	5MHz	MCH	DFT-64QAM	20.44	20.49	20.33	13.18	38.45	Pass
15KHz	5MHz	MCH	DFT-256QAM	17.78	17.81	18.24	10.93	38.45	Pass
15KHz	5MHz	MCH	CP-QPSK	21.20	21.27	21.36	14.05	38.45	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	22.87	22.91	22.82	15.60	38.45	Pass
15KHz	5MHz	HCH	DFT-QPSK	22.87	22.97	22.85	15.66	38.45	Pass
15KHz	5MHz	HCH	DFT-16QAM	21.86	21.96	21.92	14.65	38.45	Pass
15KHz	5MHz	HCH	DFT-64QAM	20.52	20.60	20.39	13.29	38.45	Pass
15KHz	5MHz	HCH	DFT-256QAM	17.86	17.88	18.36	11.05	38.45	Pass
15KHz	5MHz	HCH	CP-QPSK	21.29	21.43	21.45	14.14	38.45	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	22.75	22.84	22.76	15.53	38.45	Pass
15KHz	10MHz	LCH	DFT-QPSK	22.72	22.78	22.78	15.47	38.45	Pass
15KHz	10MHz	LCH	DFT-16QAM	21.76	21.76	21.80	14.49	38.45	Pass
15KHz	10MHz	LCH	DFT-64QAM	20.45	20.47	20.26	13.16	38.45	Pass
15KHz	10MHz	LCH	DFT-256QAM	17.73	17.72	18.26	10.95	38.45	Pass
15KHz	10MHz	LCH	CP-QPSK	21.11	21.17	21.14	13.86	38.45	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	22.79	22.86	22.80	15.55	38.45	Pass
15KHz	10MHz	MCH	DFT-QPSK	22.76	22.81	22.76	15.50	38.45	Pass
15KHz	10MHz	MCH	DFT-16QAM	21.70	21.82	21.74	14.51	38.45	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.47	20.58	20.33	13.27	38.45	Pass
15KHz	10MHz	MCH	DFT-256QAM	17.69	17.80	18.15	10.84	38.45	Pass
15KHz	10MHz	MCH	CP-QPSK	21.13	21.24	21.21	13.93	38.45	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	22.84	22.94	22.87	15.63	38.45	Pass
15KHz	10MHz	HCH	DFT-QPSK	22.85	22.92	22.84	15.61	38.45	Pass
15KHz	10MHz	HCH	DFT-16QAM	21.83	21.89	21.88	14.58	38.45	Pass
15KHz	10MHz	HCH	DFT-64QAM	20.50	20.65	20.42	13.34	38.45	Pass
15KHz	10MHz	HCH	DFT-256QAM	18.41	18.27	18.40	11.10	38.45	Pass
15KHz	10MHz	HCH	CP-QPSK	21.35	21.35	21.38	14.07	38.45	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	22.90	23.03	22.93	15.72	38.45	Pass
15KHz	15MHz	LCH	DFT-QPSK	22.96	22.98	23.01	15.70	38.45	Pass
15KHz	15MHz	LCH	DFT-16QAM	21.90	22.02	21.96	14.71	38.45	Pass
15KHz	15MHz	LCH	DFT-64QAM	20.59	20.65	20.42	13.34	38.45	Pass
15KHz	15MHz	LCH	DFT-256QAM	17.90	18.00	18.39	11.08	38.45	Pass
15KHz	15MHz	LCH	CP-QPSK	21.38	21.52	21.39	14.21	38.45	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	23.00	22.95	22.97	15.69	38.45	Pass
15KHz	15MHz	MCH	DFT-QPSK	22.89	23.02	22.99	15.71	38.45	Pass
15KHz	15MHz	MCH	DFT-16QAM	21.83	21.90	21.92	14.61	38.45	Pass
15KHz	15MHz	MCH	DFT-64QAM	20.62	20.61	20.51	13.31	38.45	Pass
15KHz	15MHz	MCH	DFT-256QAM	17.85	17.98	18.34	11.03	38.45	Pass
15KHz	15MHz	MCH	CP-QPSK	21.44	21.37	21.43	14.13	38.45	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	22.94	23.05	22.97	15.74	38.45	Pass
15KHz	15MHz	HCH	DFT-QPSK	22.95	23.02	23.01	15.71	38.45	Pass
15KHz	15MHz	HCH	DFT-16QAM	21.90	21.89	21.92	14.61	38.45	Pass
15KHz	15MHz	HCH	DFT-64QAM	20.56	20.57	20.45	13.26	38.45	Pass
15KHz	15MHz	HCH	DFT-256QAM	17.90	17.97	18.38	11.07	38.45	Pass
15KHz	15MHz	HCH	CP-QPSK	21.41	21.49	21.43	14.18	38.45	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	22.95	22.99	23.07	15.76	38.45	Pass
15KHz	20MHz	LCH	DFT-QPSK	22.95	22.95	23.04	15.73	38.45	Pass
15KHz	20MHz	LCH	DFT-16QAM	21.82	21.95	22.00	14.69	38.45	Pass
15KHz	20MHz	LCH	DFT-64QAM	20.61	20.64	20.56	13.33	38.45	Pass

15KHz	20MHz	LCH	DFT-256QAM	17.93	17.95	18.52	11.21	38.45	Pass
15KHz	20MHz	LCH	CP-QPSK	21.38	21.40	21.47	14.16	38.45	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	22.98	22.90	23.02	15.71	38.45	Pass
15KHz	20MHz	MCH	DFT-QPSK	23.00	22.98	22.95	15.69	38.45	Pass
15KHz	20MHz	MCH	DFT-16QAM	21.87	21.85	21.93	14.62	38.45	Pass
15KHz	20MHz	MCH	DFT-64QAM	20.61	20.64	20.53	13.33	38.45	Pass
15KHz	20MHz	MCH	DFT-256QAM	17.96	17.95	18.47	11.16	38.45	Pass
15KHz	20MHz	MCH	CP-QPSK	21.46	21.31	21.41	14.15	38.45	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	22.92	22.95	23.03	15.72	38.45	Pass
15KHz	20MHz	HCH	DFT-QPSK	22.93	22.91	22.99	15.68	38.45	Pass
15KHz	20MHz	HCH	DFT-16QAM	21.82	21.91	21.98	14.67	38.45	Pass
15KHz	20MHz	HCH	DFT-64QAM	20.60	20.65	20.52	13.34	38.45	Pass
15KHz	20MHz	HCH	DFT-256QAM	17.84	17.96	18.48	11.17	38.45	Pass
15KHz	20MHz	HCH	CP-QPSK	21.40	21.34	21.44	14.13	38.45	Pass

2. Peak-to-Average Ratio

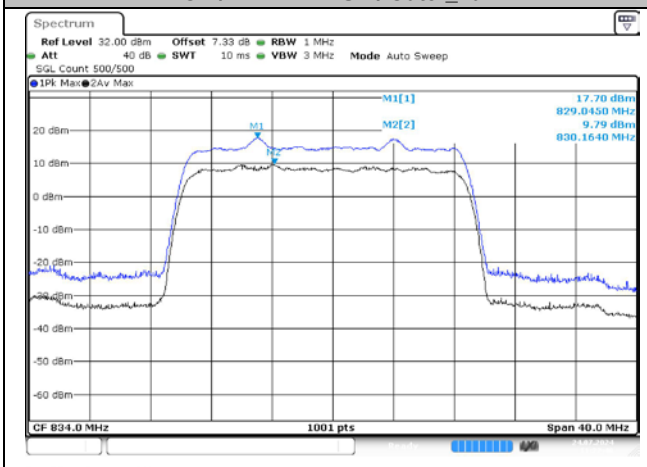
2.1. Test Results

SCS	Bandwidth	Channel	RB	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	20MHz	LCH	Outer_Full	7.91	6.94	13.00	Pass
15KHz	20MHz	MCH	Outer_Full	8.00	6.88	13.00	Pass
15KHz	20MHz	HCH	Outer_Full	7.86	7.77	13.00	Pass

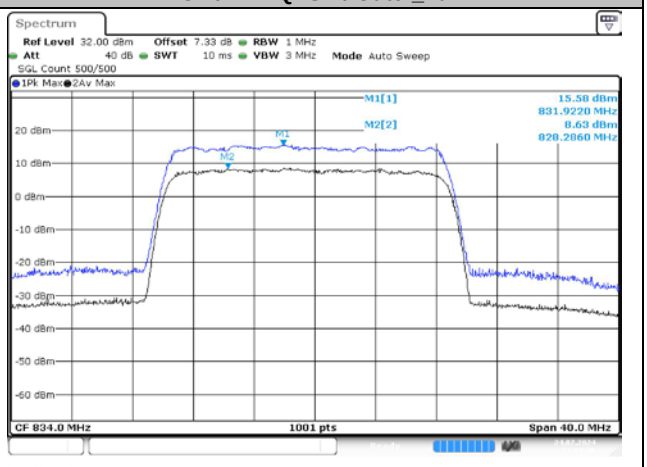
2.2. Test Plots

n26A / 15KHz / 20MHz

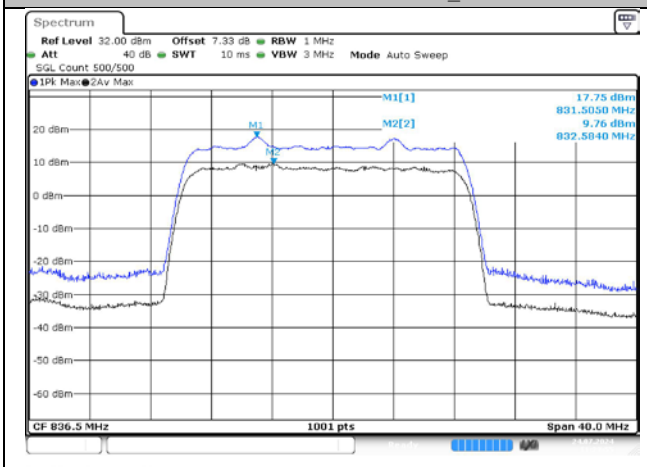
LCH / DFT-Pi2BPSK / Outer_Full



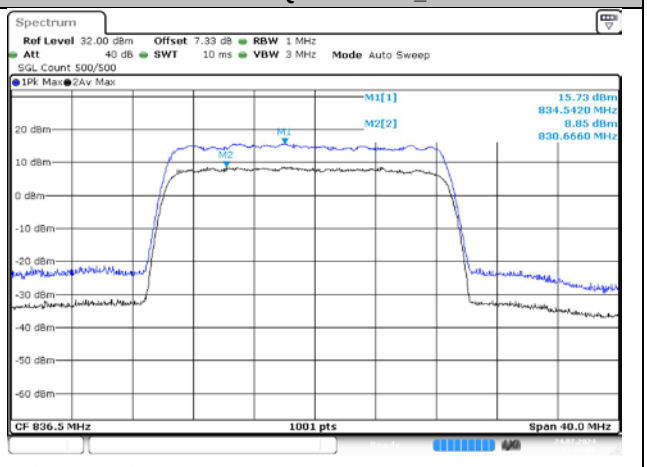
LCH / DFT-QPSK / Outer_Full



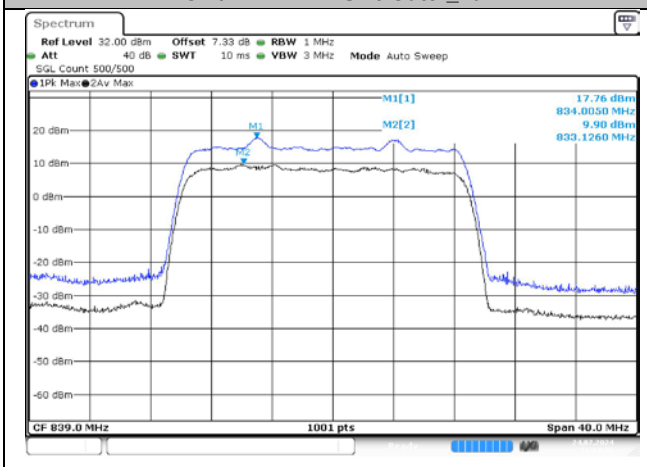
MCH / DFT-Pi2BPSK / Outer_Full



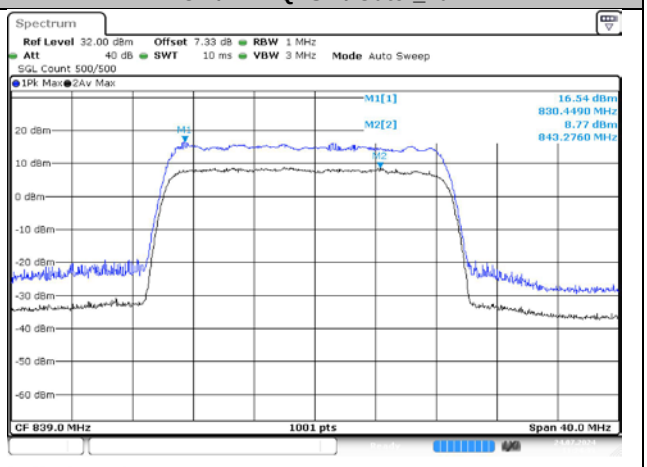
MCH / DFT-QPSK / Outer_Full



HCH / DFT-Pi2BPSK / Outer_Full

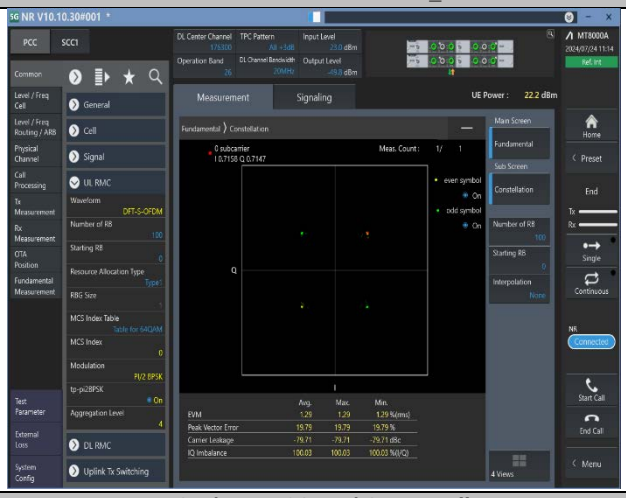
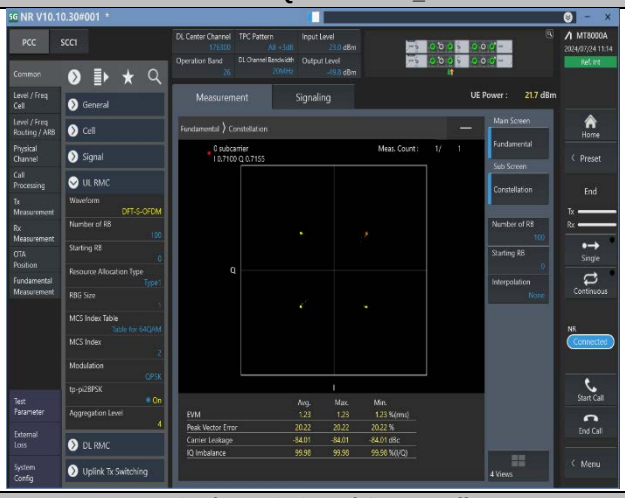
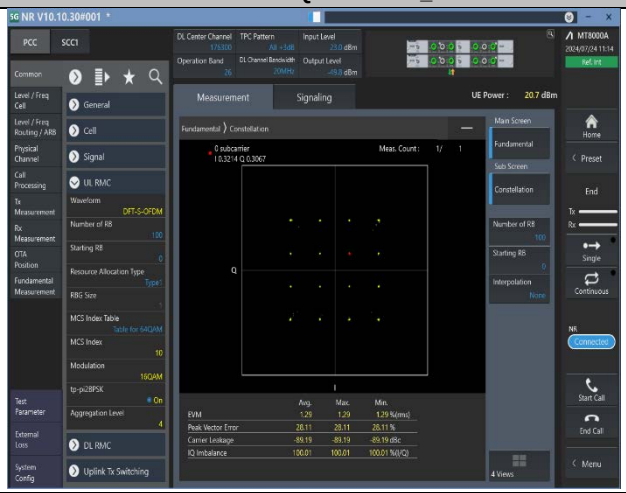
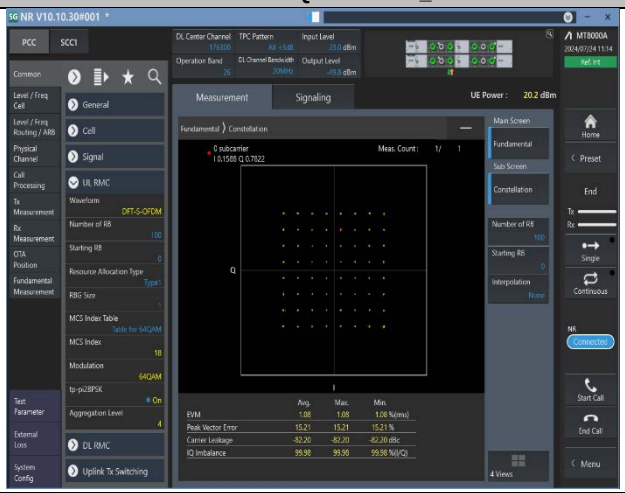
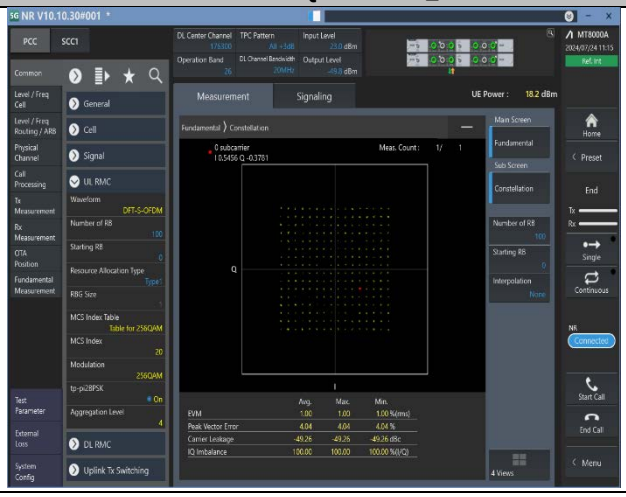
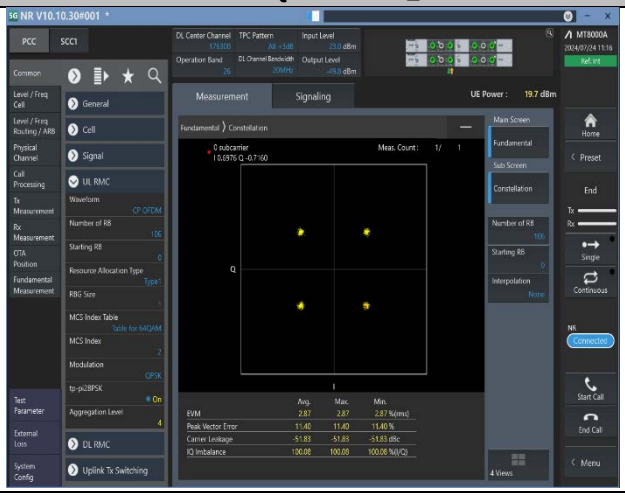


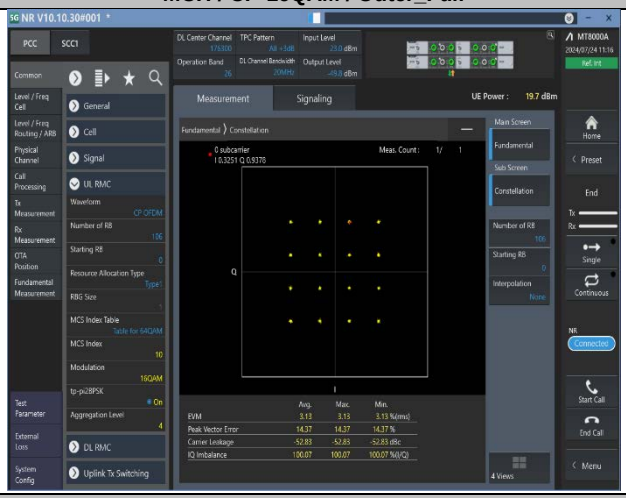
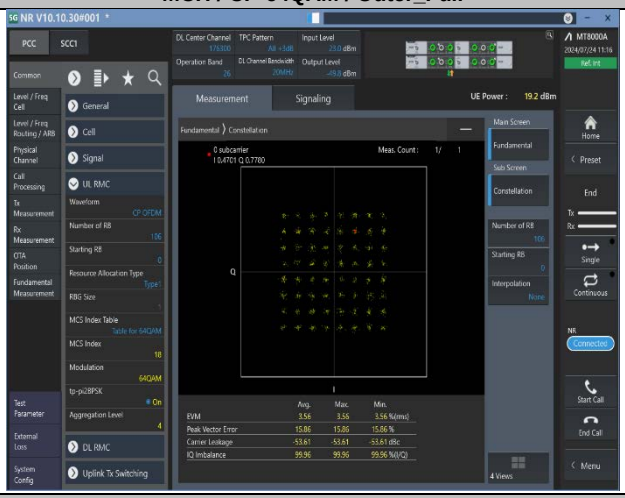
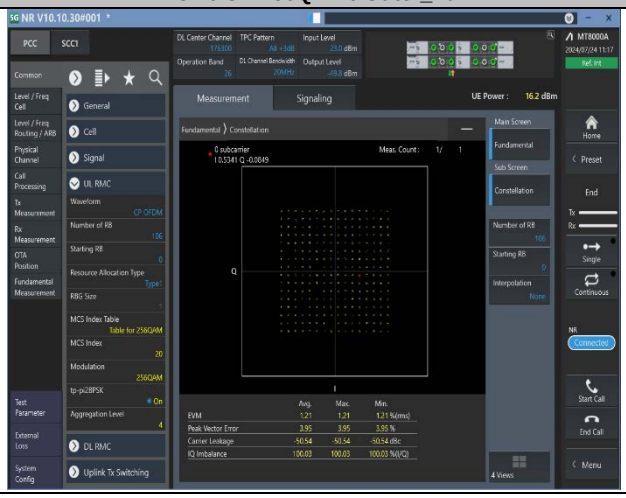
HCH / DFT-QPSK / Outer_Full



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

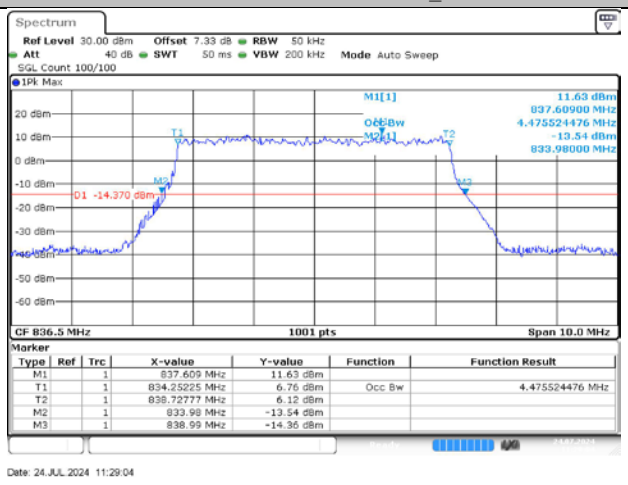
SCS	Bandwidth	Modulation	RB	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.48	5.01	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.48	4.94	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.48	5.24	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.51	5.22	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.50	5.11	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.48	5.14	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.91	9.64	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.93	9.68	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.27	10.12	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.27	10.08	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.29	9.94	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.31	10.14	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.40	14.28	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.43	14.37	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.12	15.06	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.15	15.15	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.15	15.15	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.12	15.12	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.82	18.84	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.82	18.84	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.86	20.00	Pass

15KHz	20MHz	CP-16QAM	Outer_Full	18.94	20.00	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	18.90	19.96	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	18.94	20.04	Pass

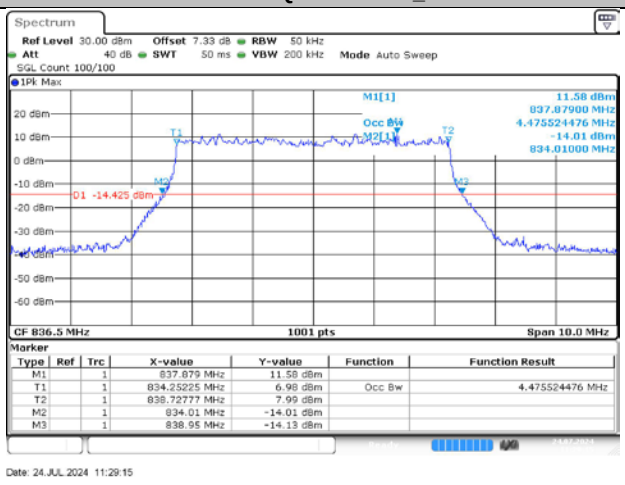
4.2. Test Plots

n26A / 15KHz / 5MHz

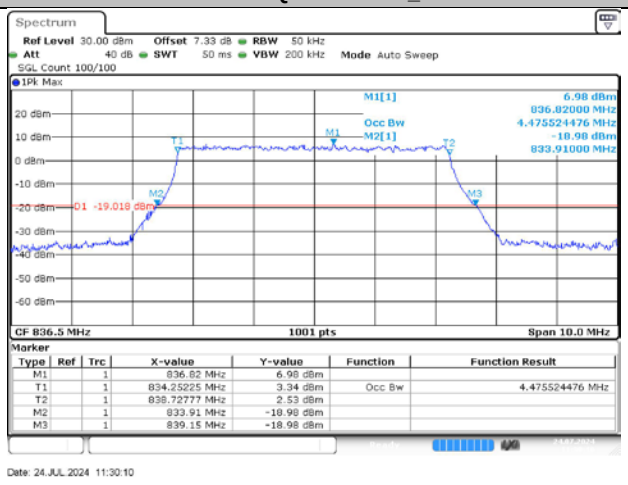
MCH / DFT-Pi2BPSK / Outer_Full



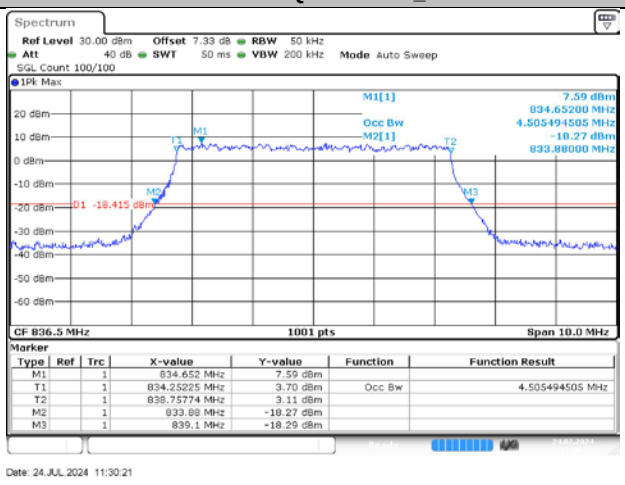
MCH / DFT-QPSK / Outer_Full



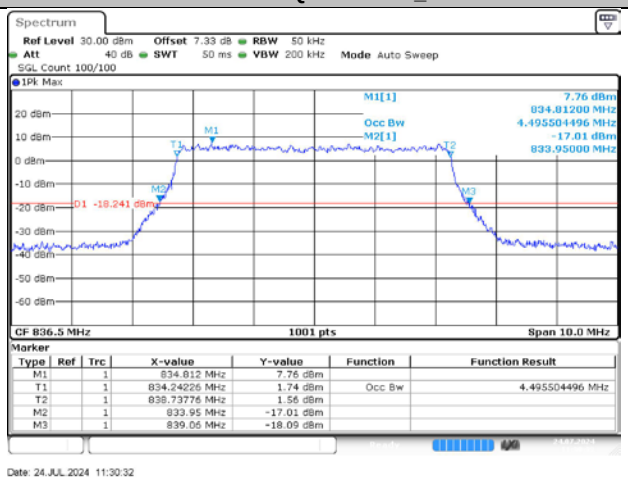
MCH / CP-QPSK / Outer_Full



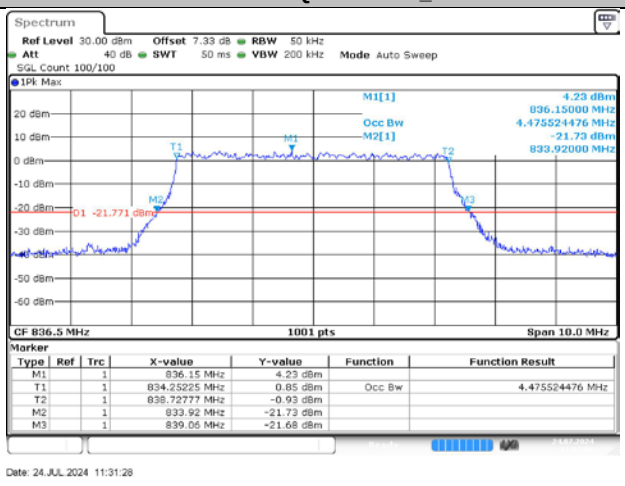
MCH / CP-16QAM / Outer_Full

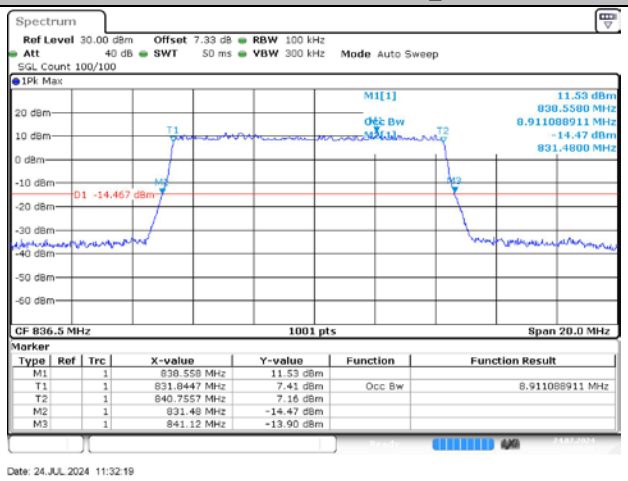
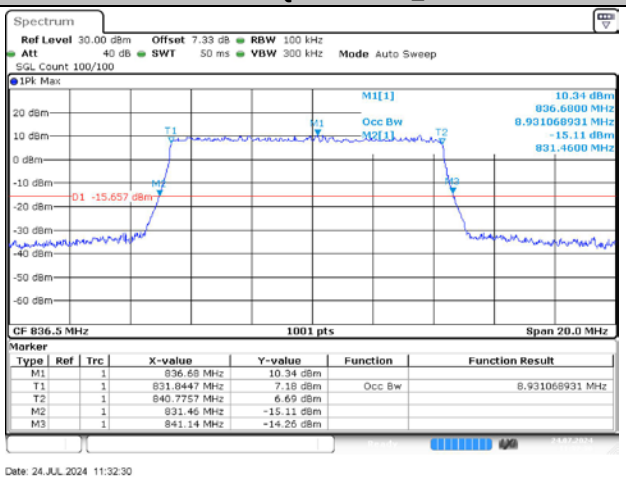
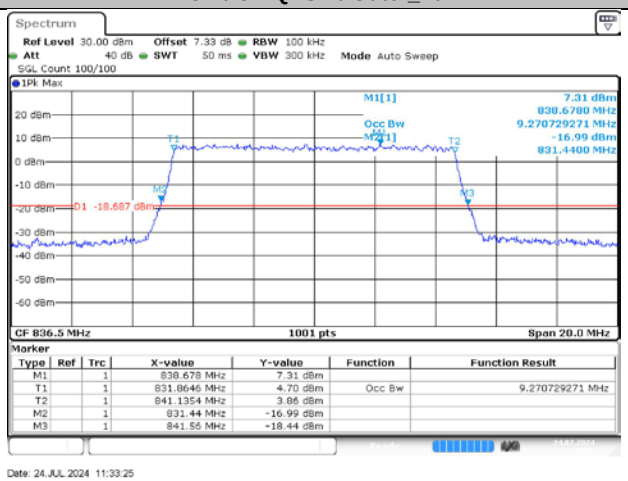
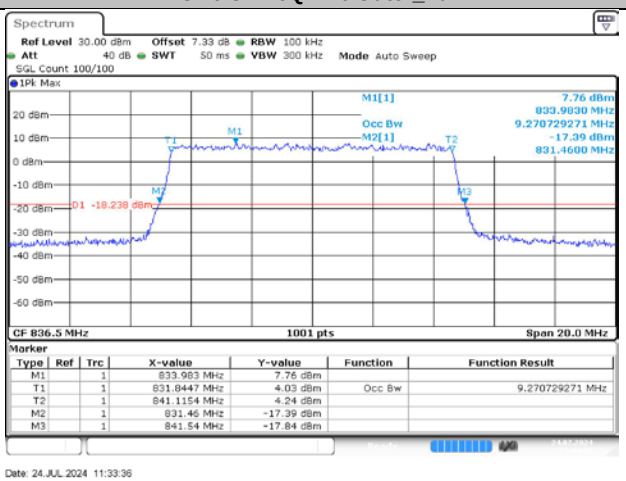
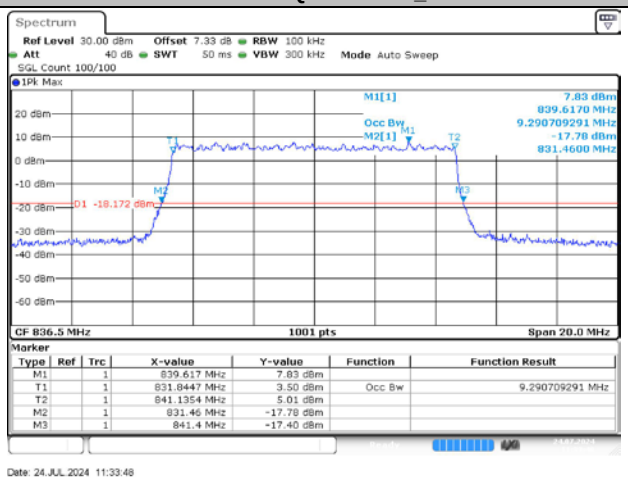
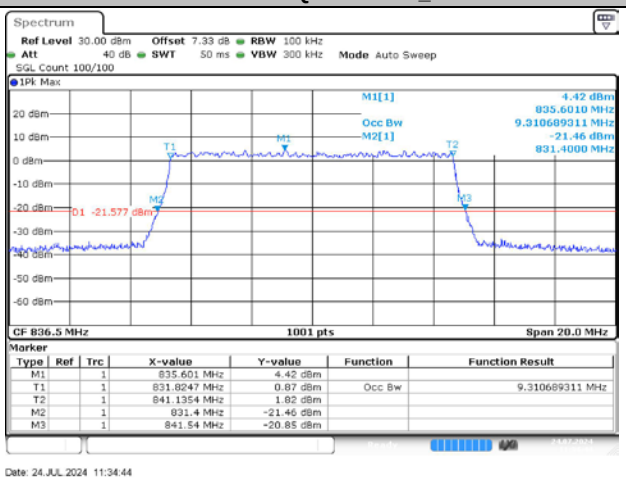


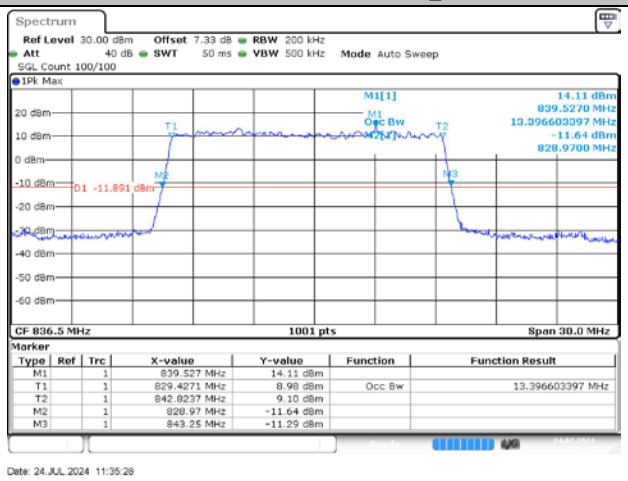
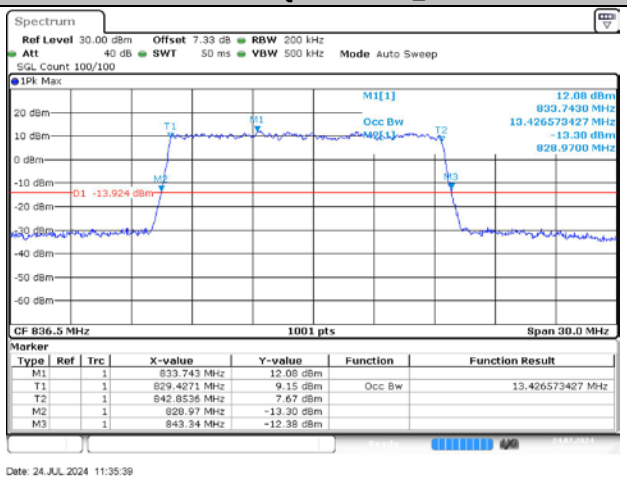
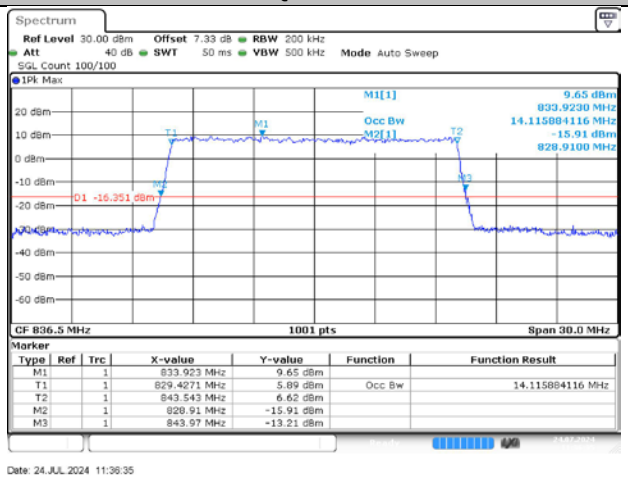
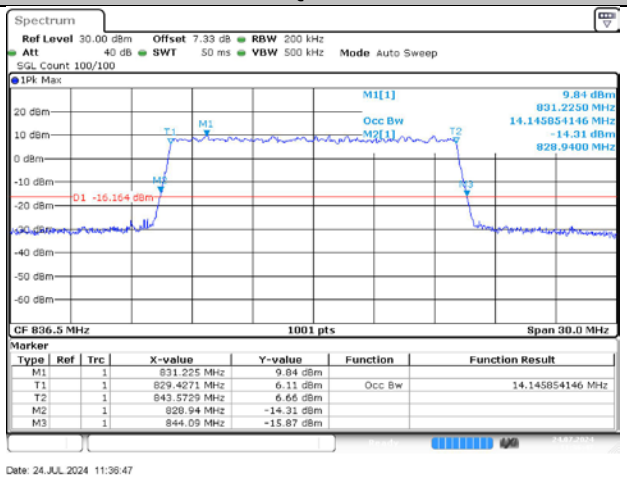
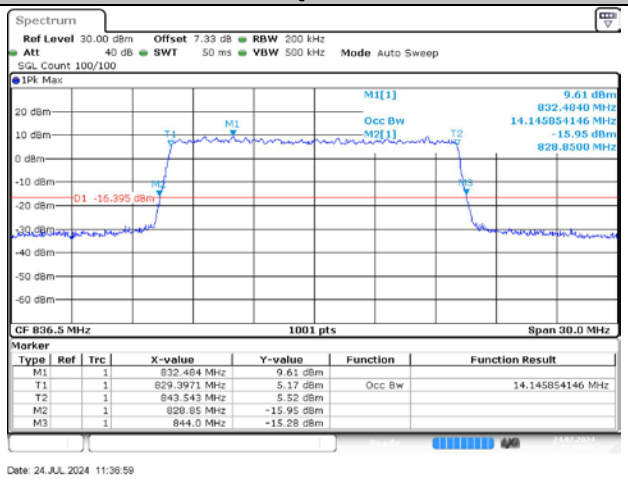
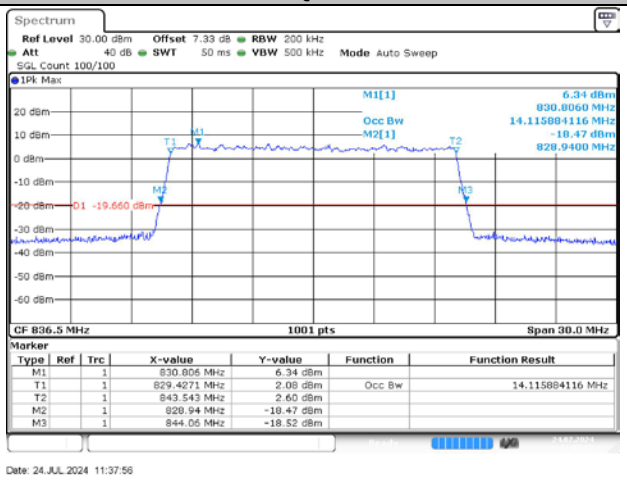
MCH / CP-64QAM / Outer_Full

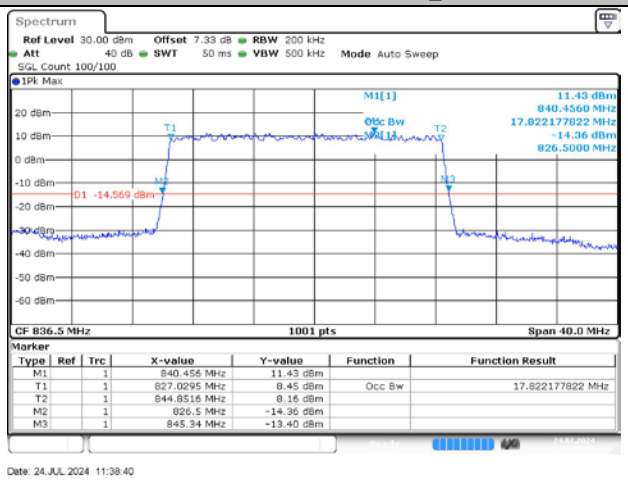
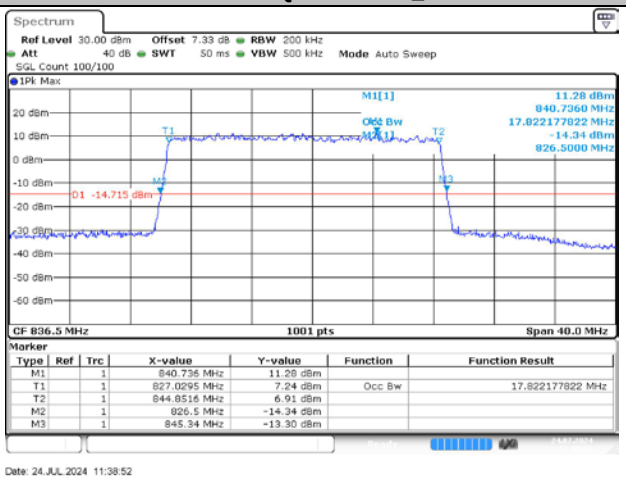
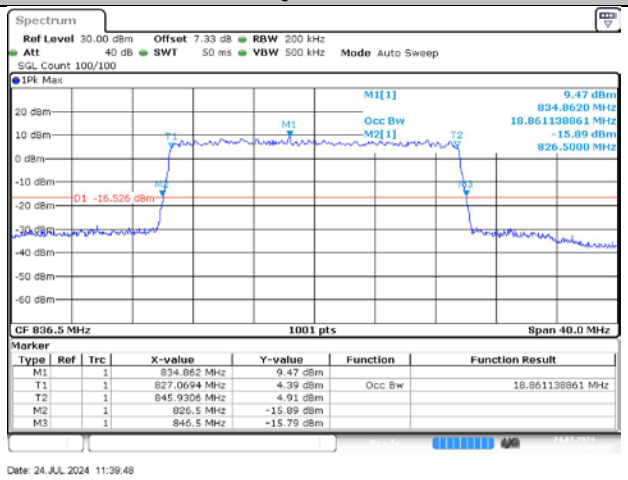
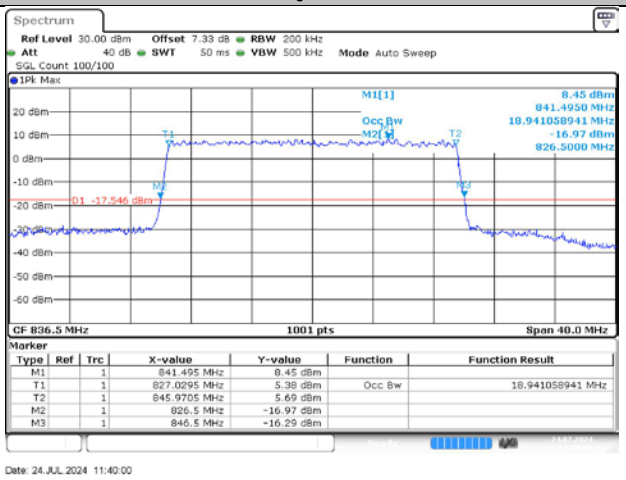
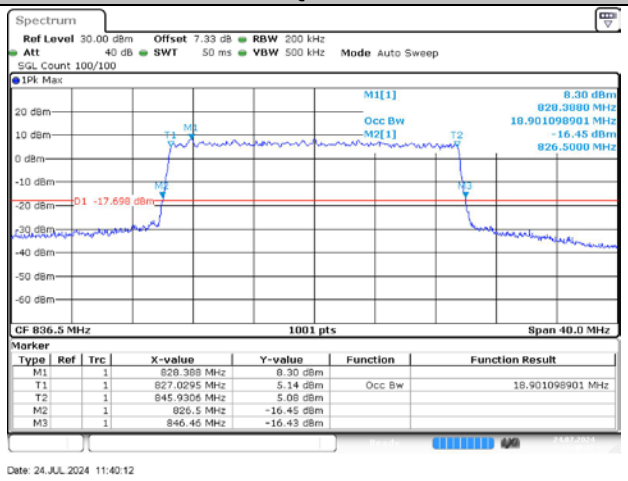
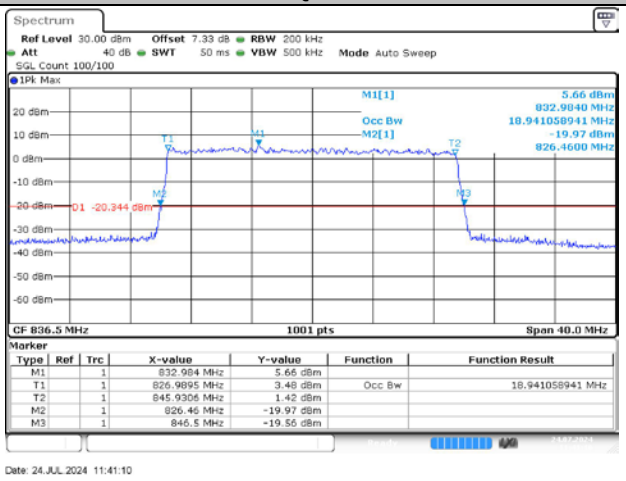


MCH / CP-256QAM / Outer_Full



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-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
	

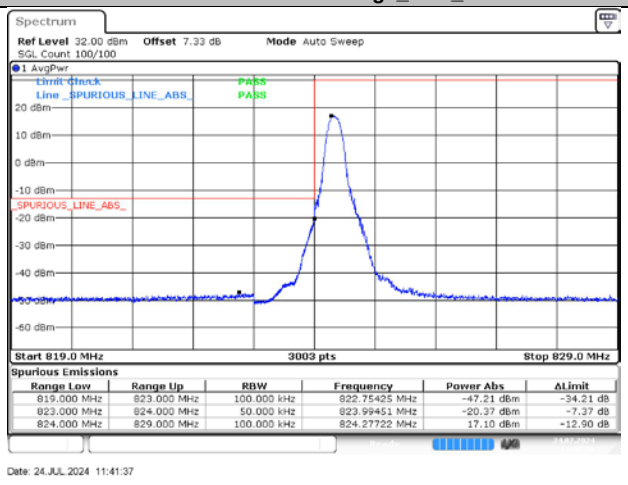
n26A / 15KHz / 20MHz	
MCH / DFT-Pi2BPSK / Outer_Full	MCH / DFT-QPSK / Outer_Full
	
MCH / CP-QPSK / Outer_Full	MCH / CP-16QAM / Outer_Full
	
MCH / CP-64QAM / Outer_Full	MCH / CP-256QAM / Outer_Full
	

5. Conducted Band Edges

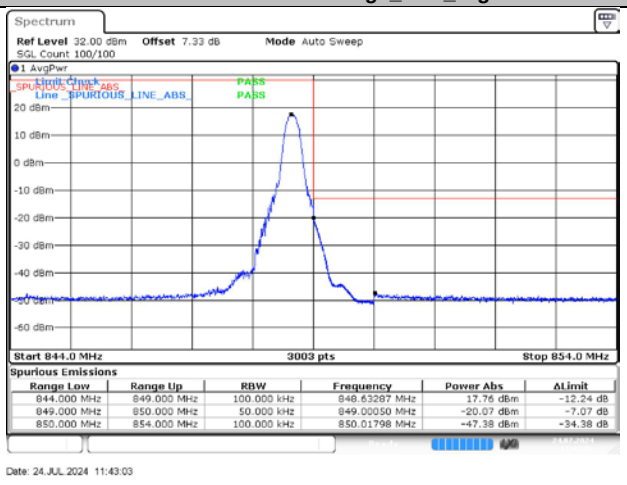
5.1. Test Plots

n26A / 15KHz / 5MHz

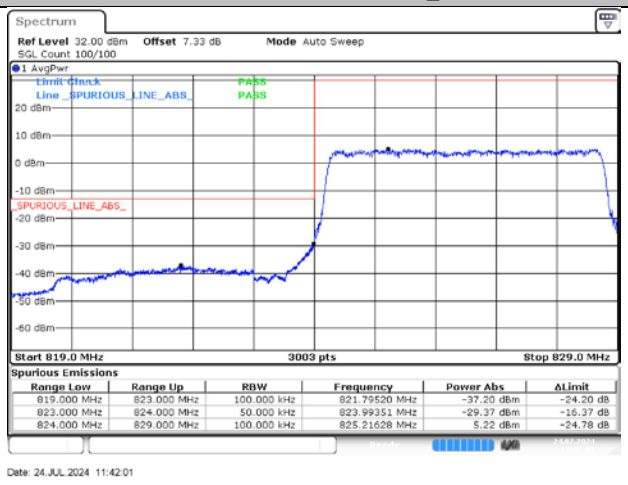
LCH / DFT-Pi2BPSK / Edge_1RB_Left



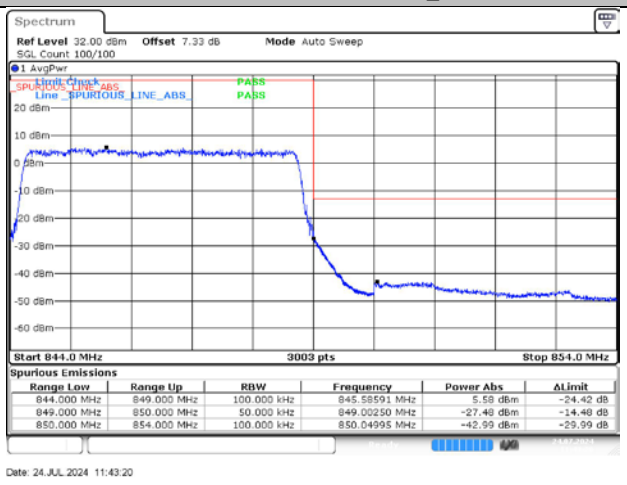
HCH / DFT-Pi2BPSK / Edge_1RB_Right



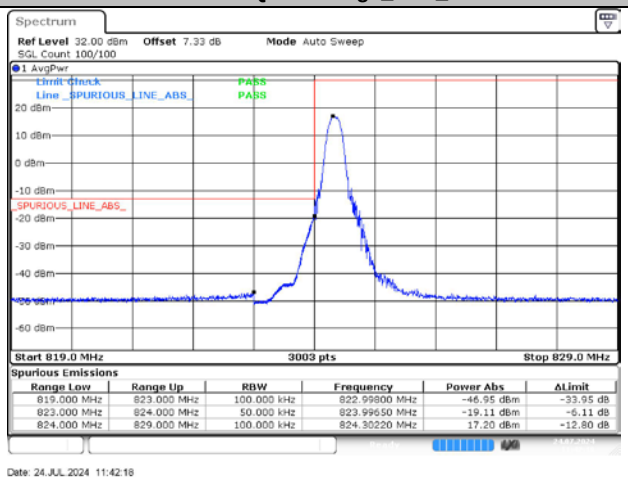
LCH / DFT-Pi2BPSK / Outer_Full



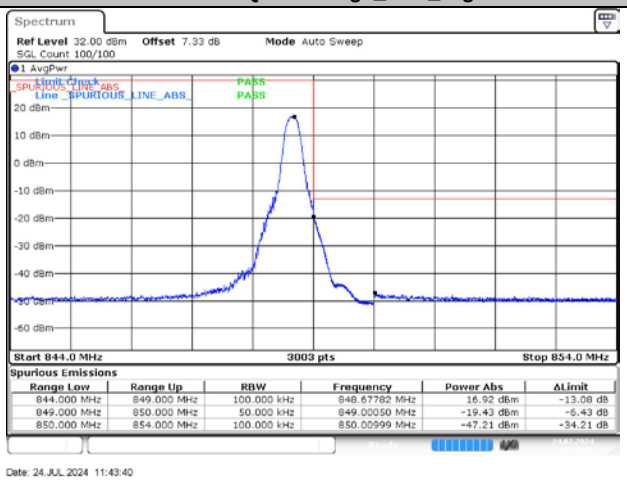
HCH / DFT-Pi2BPSK / Outer_Full

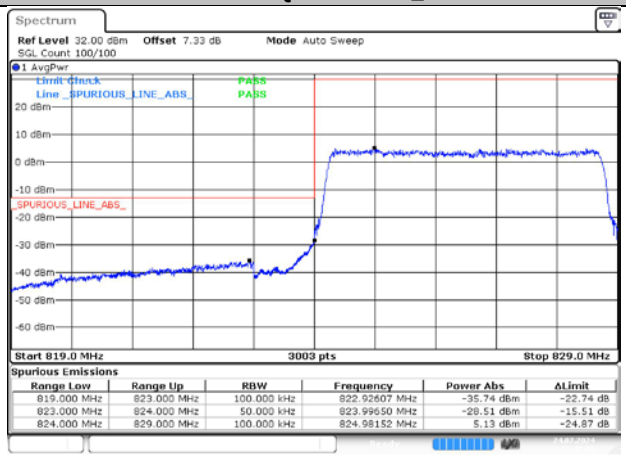
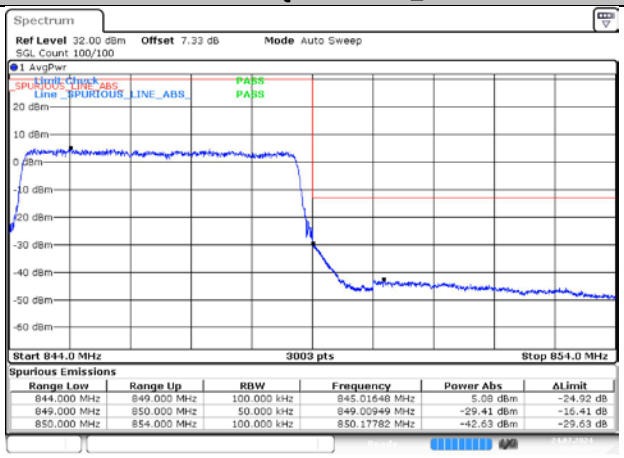


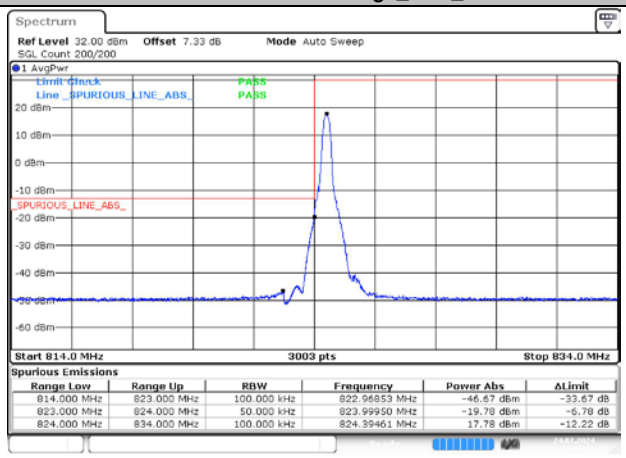
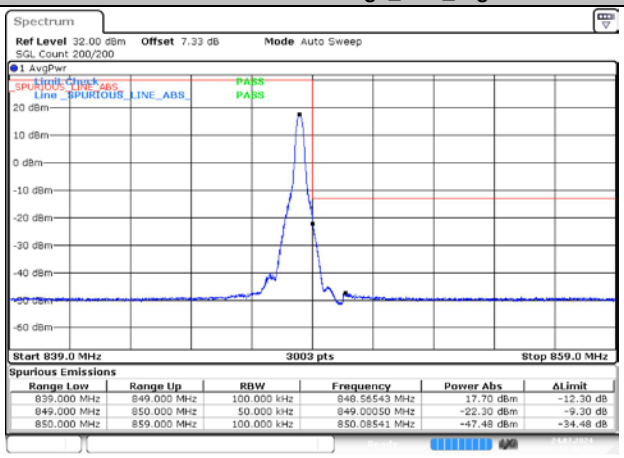
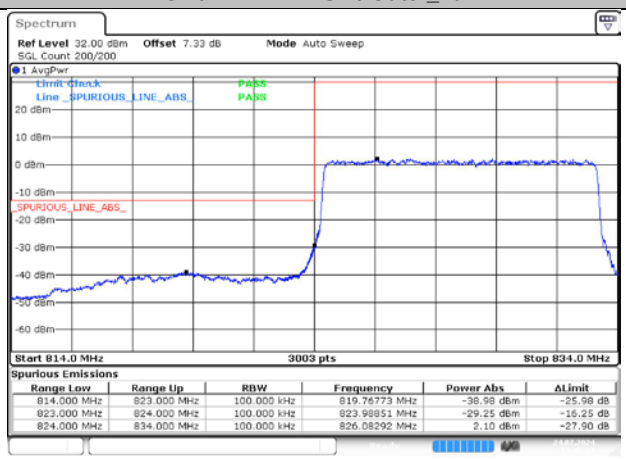
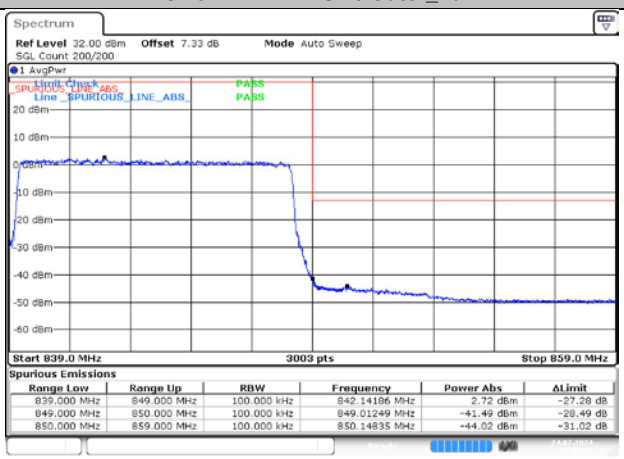
LCH / DFT-QPSK / Edge_1RB_Left

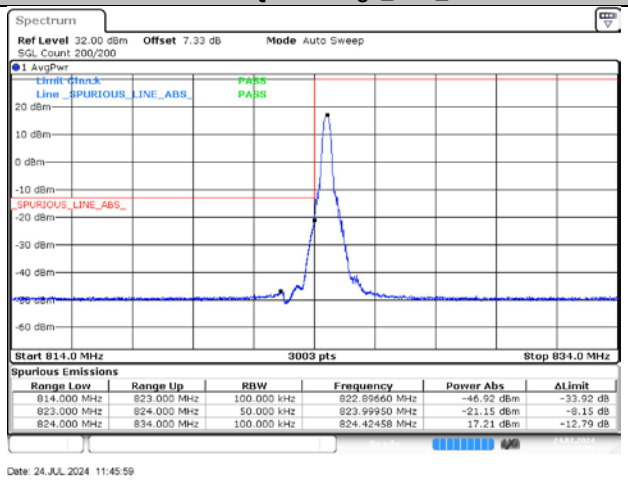
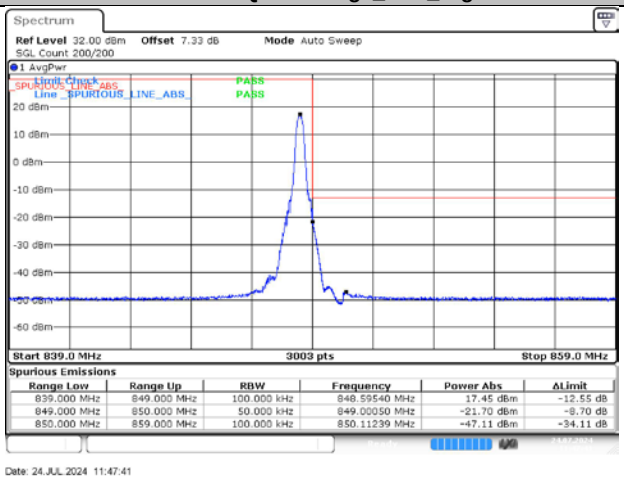
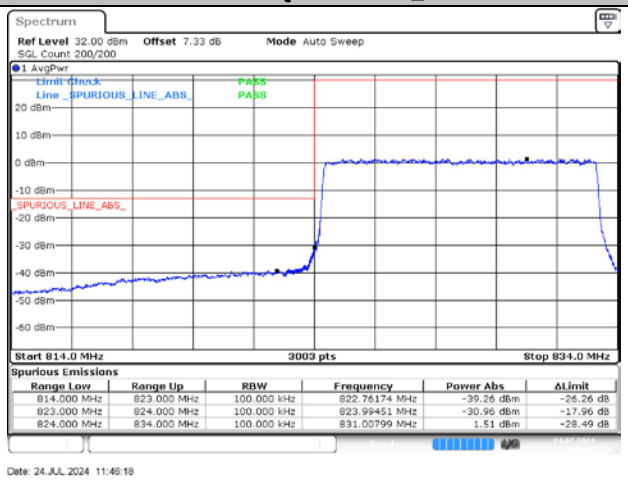
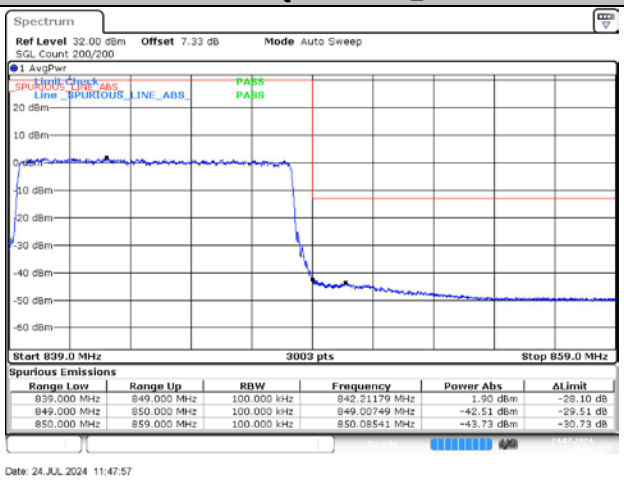


HCH / DFT-QPSK / Edge_1RB_Right



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