

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

Catalogue

- 1. CONDUCTED POWER 3
 - 1.1. TEST RESULTS @ ANT0 3
- 2. PEAK-TO-AVERAGE RATIO 4
 - 2.1. TEST RESULTS 4
 - 2.2. TEST PLOTS 4
- 3. MODULATION CHARACTERISTICS 5
 - 3.1. TEST PLOTS 5
- 4. 99% OCCUPIED BANDWIDTH & 26DB EMISSION BANDWIDTH 8
 - 4.1. TEST RESULTS 8
 - 4.2. TEST PLOTS 9
- 5. CONDUCTED BAND EDGES 16
 - 5.1. TEST PLOTS 16
- 6. CONDUCTED SPURIOUS EMISSION 24
 - 6.1. TEST PLOTS 24
- 7. FREQUENCY STABILITY 27
 - 7.1. TEST RESULTS 27

1. Conducted power

1.1. Test Results @ Ant0

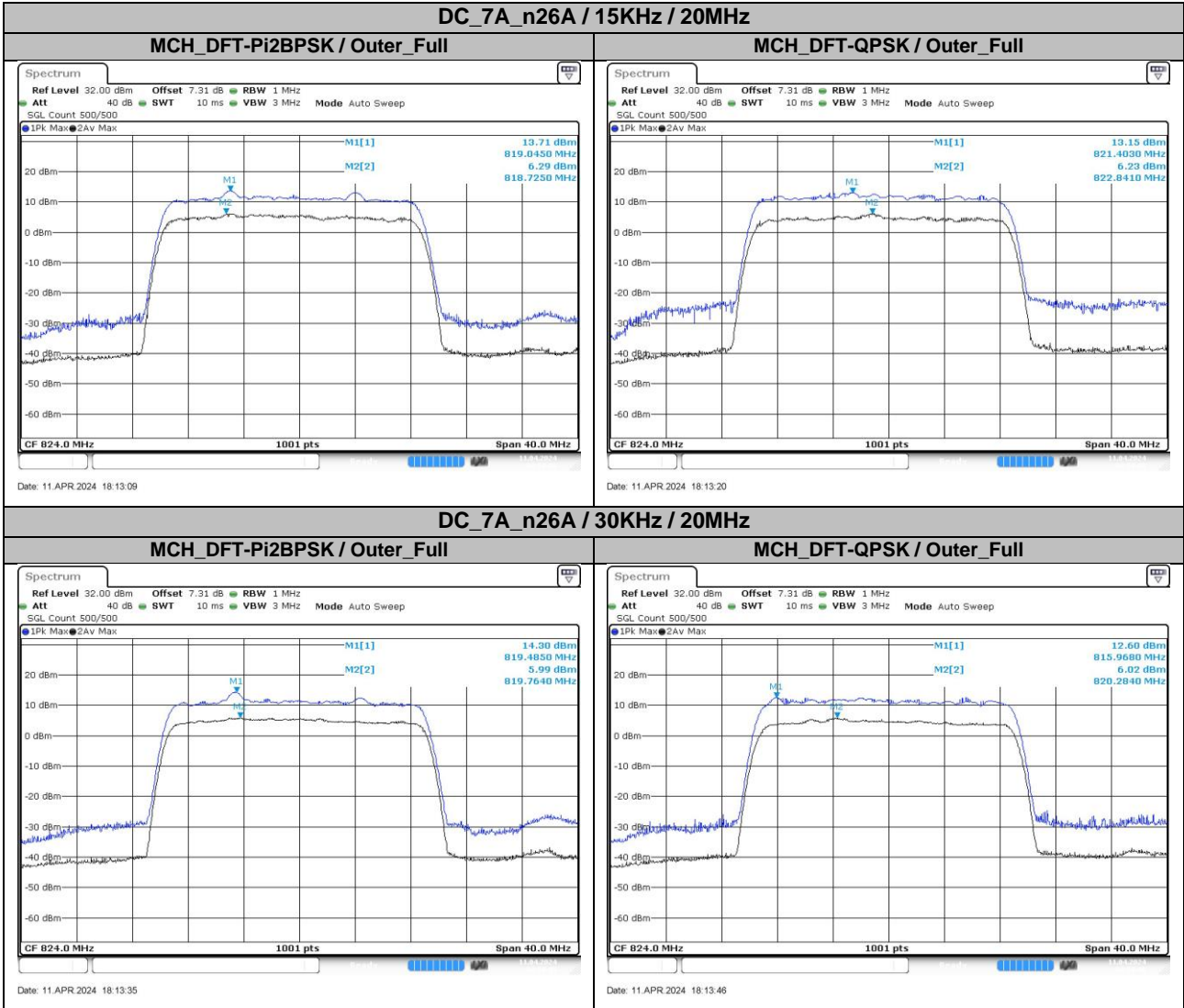
SCS	Bandwidth	Channel	Modulation	Conducted Result (dBm)			Verdict
				Inner_1RB_Left	Inner_1RB_Right	Inner_Full	
15KHz	5MHz	LCH	DFT-Pi2BPSK	23.24	23.22	23.34	Pass
15KHz	5MHz	LCH	DFT-QPSK	23.46	23.37	23.31	Pass
15KHz	5MHz	LCH	DFT-16QAM	22.56	22.56	22.44	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.80	20.77	20.90	Pass
15KHz	5MHz	LCH	DFT-256QAM	18.72	18.63	18.98	Pass
15KHz	5MHz	LCH	CP-QPSK	21.84	21.88	21.87	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	23.23	23.20	23.28	Pass
15KHz	5MHz	MCH	DFT-QPSK	23.42	23.42	23.28	Pass
15KHz	5MHz	MCH	DFT-16QAM	22.56	22.55	22.42	Pass
15KHz	5MHz	MCH	DFT-64QAM	20.76	20.74	20.89	Pass
15KHz	5MHz	MCH	DFT-256QAM	18.65	18.66	18.98	Pass
15KHz	5MHz	MCH	CP-QPSK	21.82	21.85	21.87	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	23.21	23.13	23.27	Pass
15KHz	5MHz	HCH	DFT-QPSK	23.40	23.32	23.25	Pass
15KHz	5MHz	HCH	DFT-16QAM	22.57	22.46	22.33	Pass
15KHz	5MHz	HCH	DFT-64QAM	20.75	20.64	20.83	Pass
15KHz	5MHz	HCH	DFT-256QAM	18.58	18.61	18.90	Pass
15KHz	5MHz	HCH	CP-QPSK	21.81	21.83	21.83	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	23.28	23.18	23.30	Pass
15KHz	10MHz	MCH	DFT-QPSK	23.49	23.36	23.27	Pass
15KHz	10MHz	MCH	DFT-16QAM	22.63	22.48	22.21	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.79	20.68	20.83	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.69	18.56	18.89	Pass
15KHz	10MHz	MCH	CP-QPSK	21.93	21.85	21.79	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	23.26	22.98	23.28	Pass
15KHz	15MHz	MCH	DFT-QPSK	23.46	23.17	23.28	Pass
15KHz	15MHz	MCH	DFT-16QAM	22.59	22.28	22.32	Pass
15KHz	15MHz	MCH	DFT-64QAM	20.79	20.50	20.77	Pass
15KHz	15MHz	MCH	DFT-256QAM	18.70	18.49	18.89	Pass
15KHz	15MHz	MCH	CP-QPSK	21.89	21.67	21.79	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	23.23	23.02	23.23	Pass
15KHz	20MHz	MCH	DFT-QPSK	23.22	23.02	23.23	Pass
15KHz	20MHz	MCH	DFT-16QAM	22.43	22.21	22.31	Pass
15KHz	20MHz	MCH	DFT-64QAM	20.91	20.67	20.80	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.81	18.55	18.78	Pass
15KHz	20MHz	MCH	CP-QPSK	21.61	21.41	21.79	Pass
30KHz	10MHz	MCH	DFT-Pi2BPSK	23.33	23.26	23.33	Pass
30KHz	10MHz	MCH	DFT-QPSK	23.35	23.25	23.39	Pass
30KHz	10MHz	MCH	DFT-16QAM	22.64	22.52	22.43	Pass
30KHz	10MHz	MCH	DFT-64QAM	21.16	21.05	20.85	Pass
30KHz	10MHz	MCH	DFT-256QAM	18.99	18.87	18.99	Pass
30KHz	10MHz	MCH	CP-QPSK	21.80	21.71	21.75	Pass
30KHz	15MHz	MCH	DFT-Pi2BPSK	23.25	23.02	23.26	Pass
30KHz	15MHz	MCH	DFT-QPSK	23.24	22.99	23.29	Pass
30KHz	15MHz	MCH	DFT-16QAM	22.52	22.23	22.38	Pass
30KHz	15MHz	MCH	DFT-64QAM	21.00	20.76	20.96	Pass
30KHz	15MHz	MCH	DFT-256QAM	18.96	18.76	18.83	Pass
30KHz	15MHz	MCH	CP-QPSK	21.72	21.43	21.93	Pass
30KHz	20MHz	MCH	DFT-Pi2BPSK	23.24	23.06	23.22	Pass
30KHz	20MHz	MCH	DFT-QPSK	23.22	23.02	23.34	Pass
30KHz	20MHz	MCH	DFT-16QAM	22.49	22.26	22.38	Pass
30KHz	20MHz	MCH	DFT-64QAM	21.08	20.87	20.99	Pass
30KHz	20MHz	MCH	DFT-256QAM	18.96	18.73	18.82	Pass
30KHz	20MHz	MCH	CP-QPSK	21.69	21.47	21.78	Pass

2. Peak-to-Average Ratio

2.1. Test Results

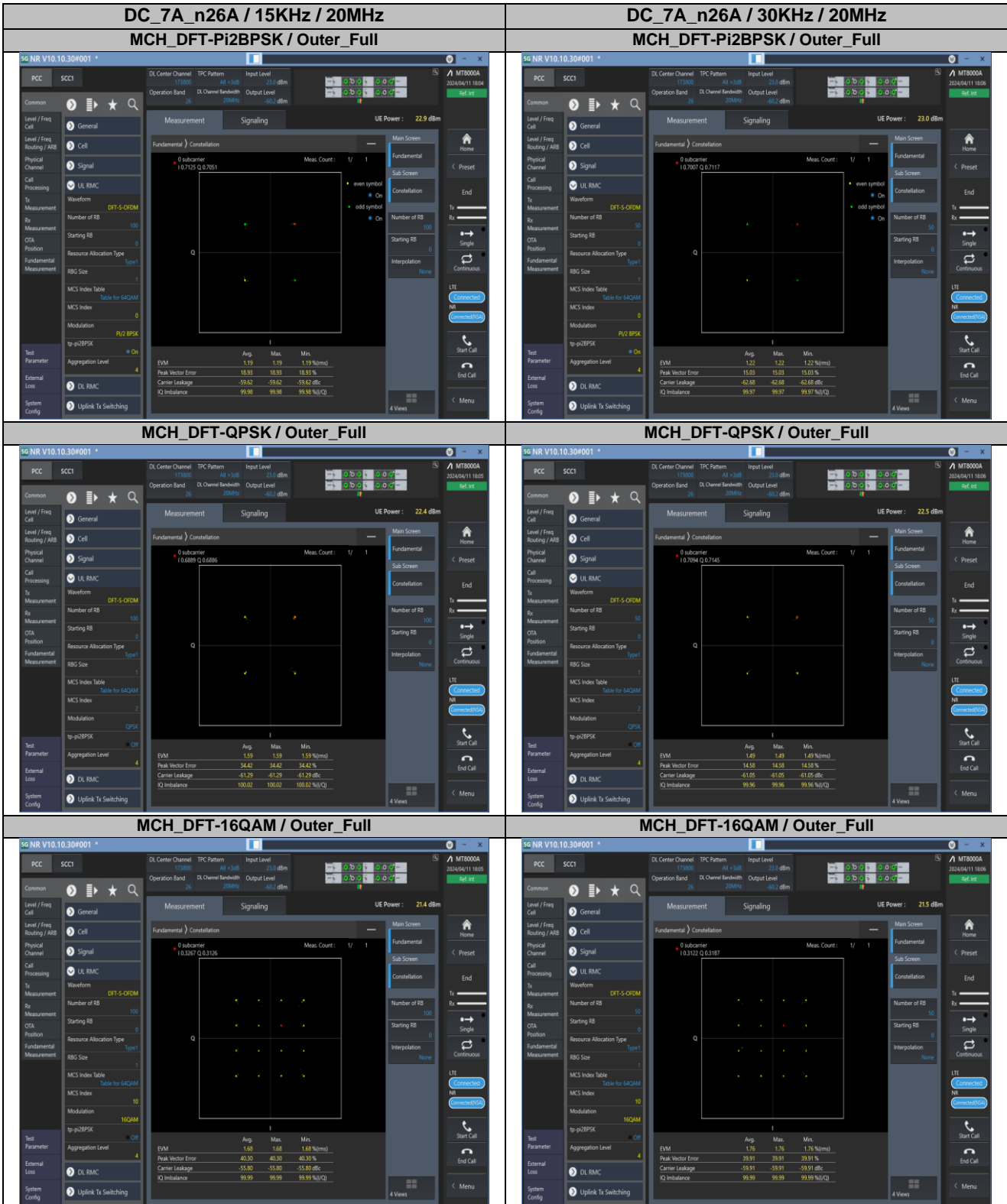
Channel	Modulation	15KHz / 20MHz		30KHz / 20MHz		Limit (dB)	Verdict
		DFT-Pi2BPSK	DFT-QPSK	DFT-Pi2BPSK	DFT-QPSK		
MCH	Outer_Full	7.42	6.92	8.31	6.58	13.00	Pass

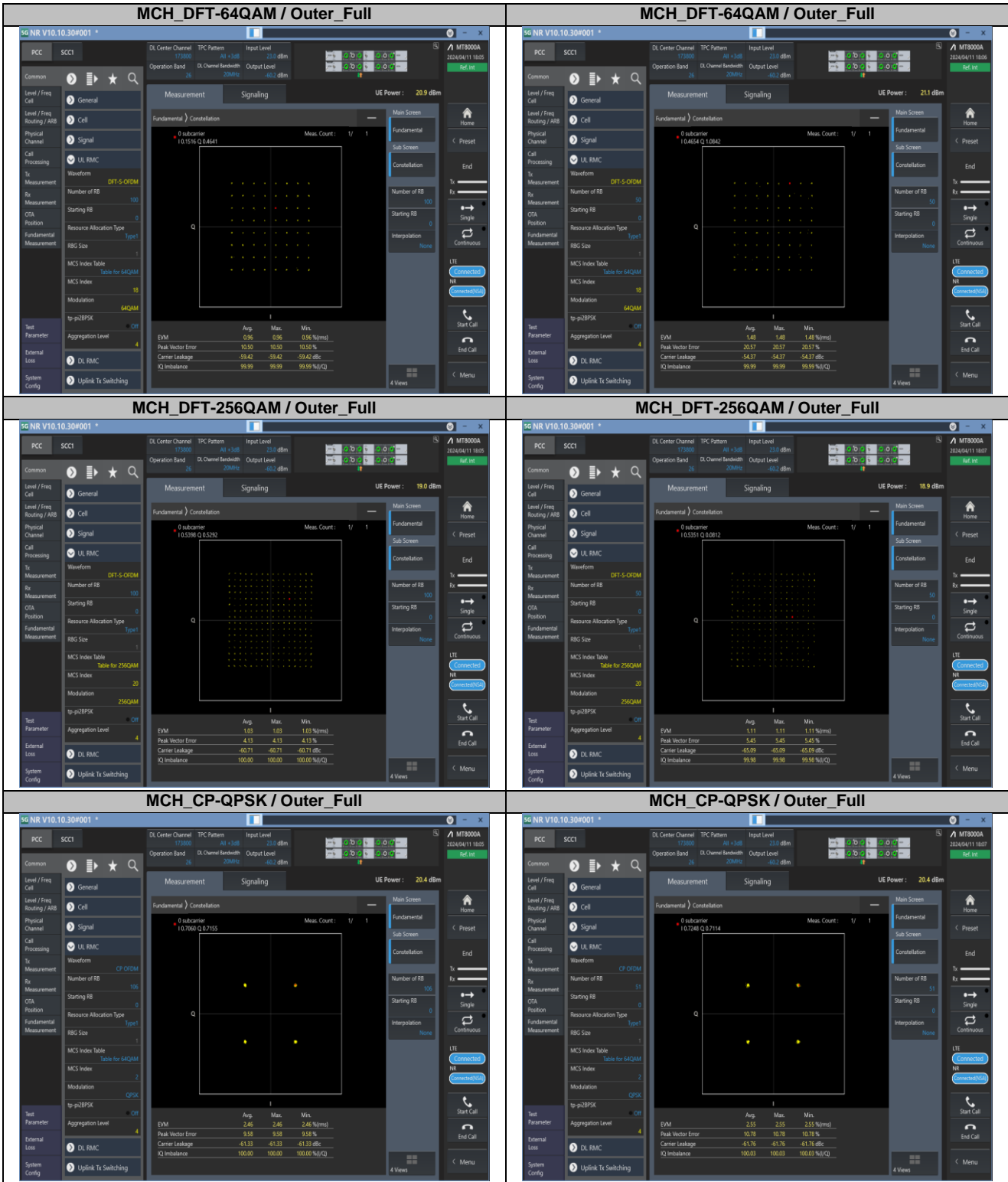
2.2. Test Plots

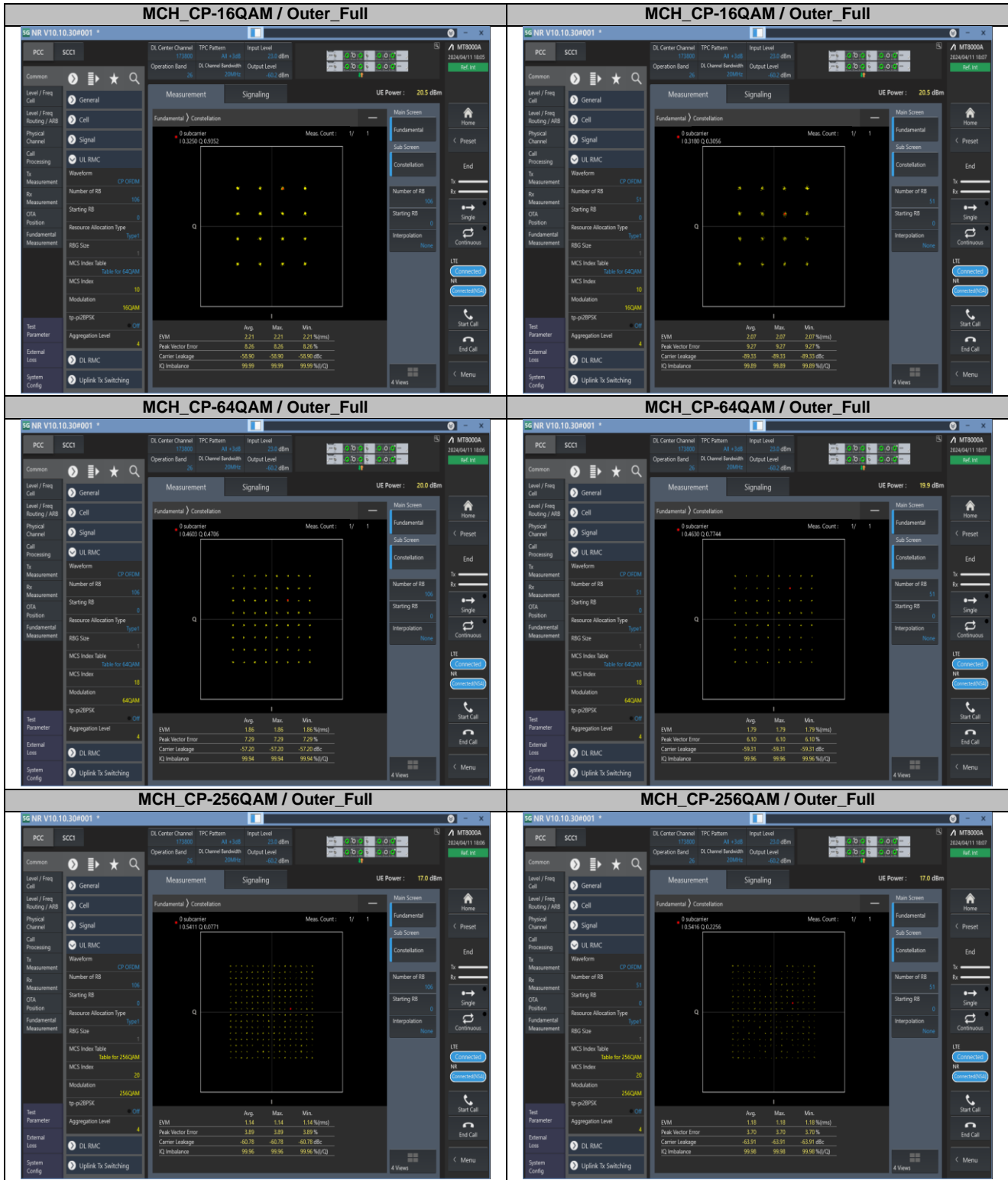


3. Modulation Characteristics

3.1. Test Plots





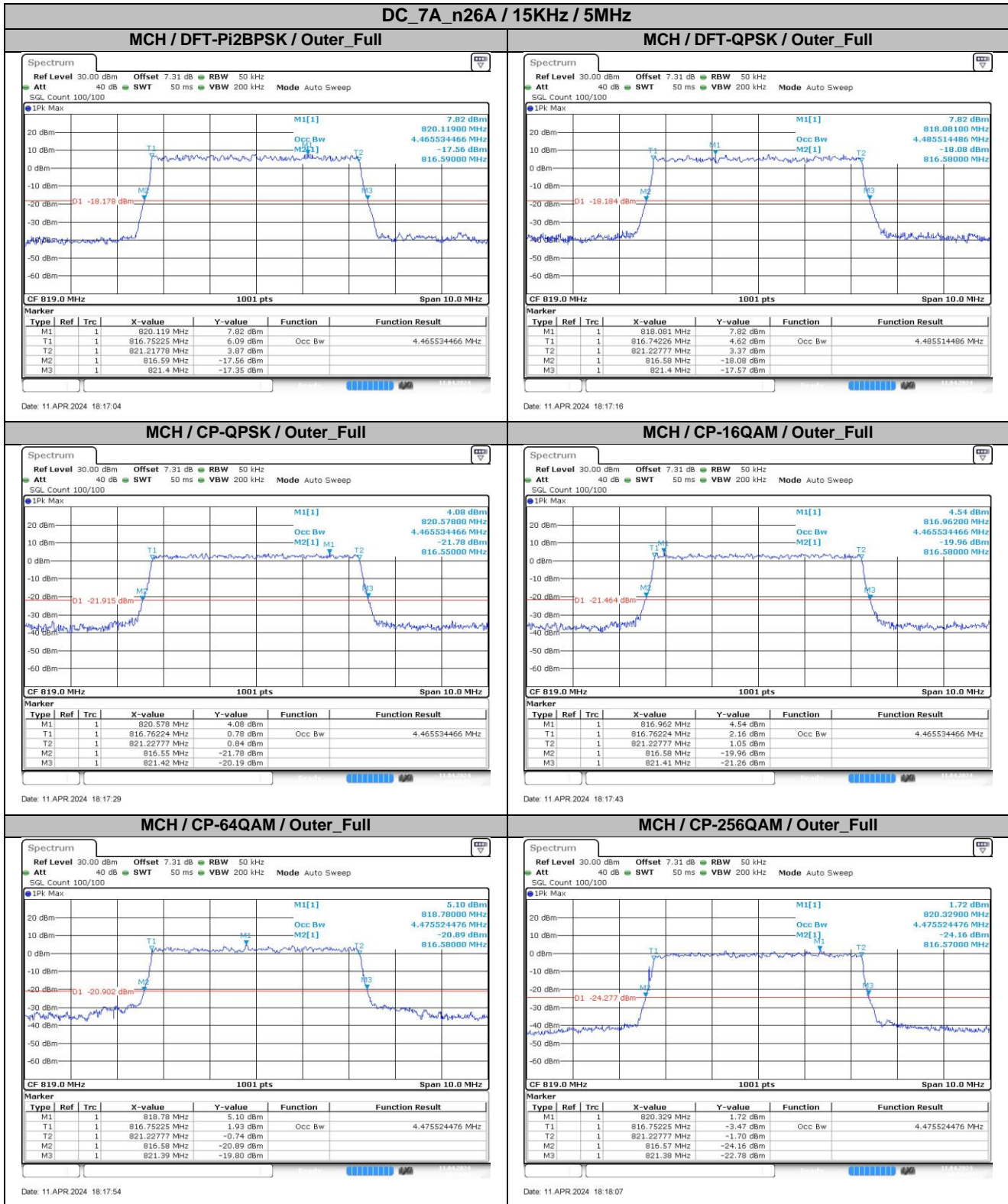


4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

4.1. Test Results

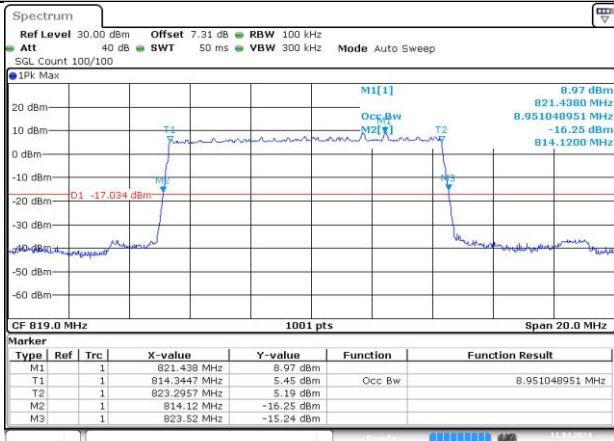
Bandwidth	Modulation	RB Config	99% Occupied Bandwidth (MHz)		26dB Emission Bandwidth (MHz)		Verdict
			15KHz	30KHz	15KHz	30KHz	
5MHz	DFT-Pi2BPSK	Outer_Full	4.47	N/A	4.81	N/A	Pass
5MHz	DFT-QPSK	Outer_Full	4.49	N/A	4.82	N/A	Pass
5MHz	CP-QPSK	Outer_Full	4.47	N/A	4.87	N/A	Pass
5MHz	CP-16QAM	Outer_Full	4.47	N/A	4.83	N/A	Pass
5MHz	CP-64QAM	Outer_Full	4.48	N/A	4.81	N/A	Pass
5MHz	CP-256QAM	Outer_Full	4.48	N/A	4.81	N/A	Pass
10MHz	DFT-Pi2BPSK	Outer_Full	8.95	8.59	9.40	9.32	Pass
10MHz	DFT-QPSK	Outer_Full	8.91	8.57	9.42	9.30	Pass
10MHz	CP-QPSK	Outer_Full	9.25	8.57	9.74	9.38	Pass
10MHz	CP-16QAM	Outer_Full	9.29	8.57	9.76	9.34	Pass
10MHz	CP-64QAM	Outer_Full	9.27	8.57	9.76	9.26	Pass
10MHz	CP-256QAM	Outer_Full	9.27	8.57	9.74	9.32	Pass
15MHz	DFT-Pi2BPSK	Outer_Full	13.43	12.89	14.07	13.71	Pass
15MHz	DFT-QPSK	Outer_Full	13.37	12.89	14.07	13.83	Pass
15MHz	CP-QPSK	Outer_Full	14.09	13.55	14.76	14.58	Pass
15MHz	CP-16QAM	Outer_Full	14.09	13.55	14.85	14.49	Pass
15MHz	CP-64QAM	Outer_Full	14.09	13.61	14.82	14.46	Pass
15MHz	CP-256QAM	Outer_Full	14.12	13.58	14.79	14.52	Pass
20MHz	DFT-Pi2BPSK	Outer_Full	17.82	17.90	18.60	18.76	Pass
20MHz	DFT-QPSK	Outer_Full	17.82	17.82	18.68	18.76	Pass
20MHz	CP-QPSK	Outer_Full	18.86	18.18	19.68	19.20	Pass
20MHz	CP-16QAM	Outer_Full	18.90	18.22	19.68	19.20	Pass
20MHz	CP-64QAM	Outer_Full	18.90	18.18	19.72	19.16	Pass
20MHz	CP-256QAM	Outer_Full	18.82	18.18	19.64	19.12	Pass

4.2. Test Plots

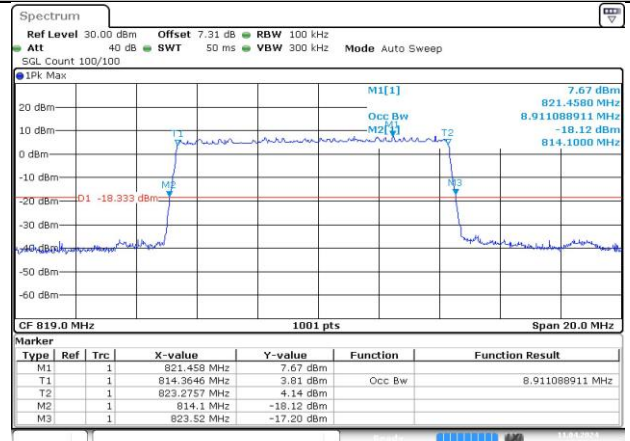


DC_7A_n26A / 15KHz / 10MHz

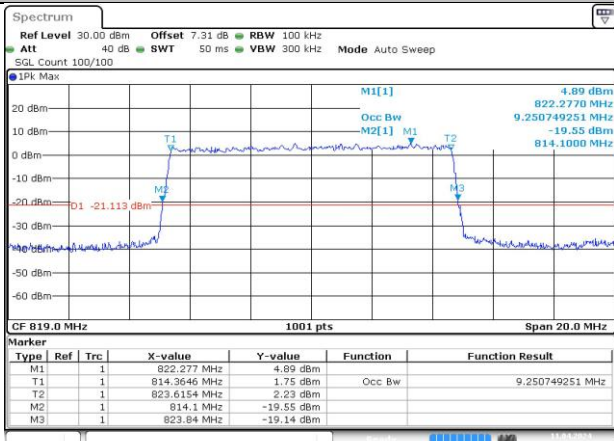
MCH_DFT-Pi2BPSK / Outer_Full



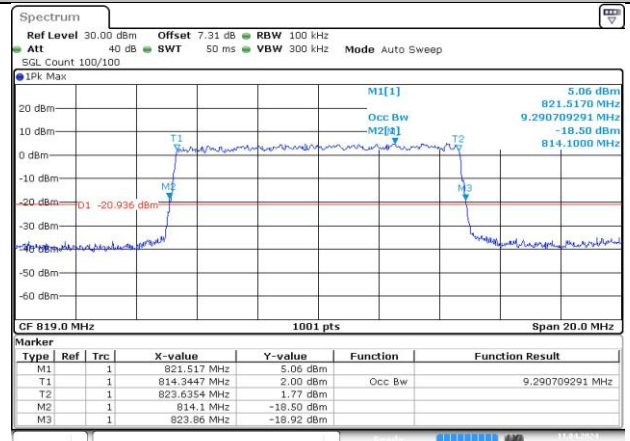
MCH_DFT-QPSK / Outer_Full



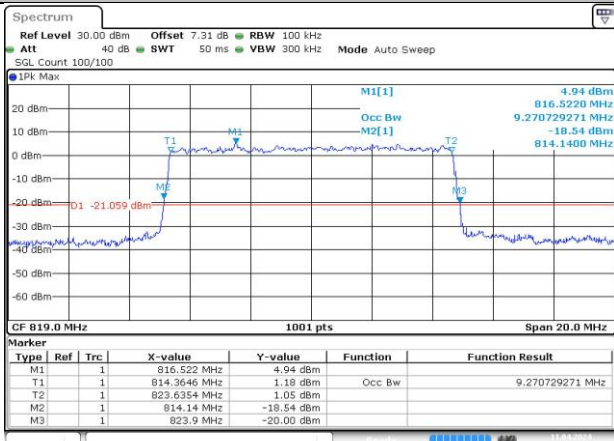
MCH_CP-QPSK / Outer_Full



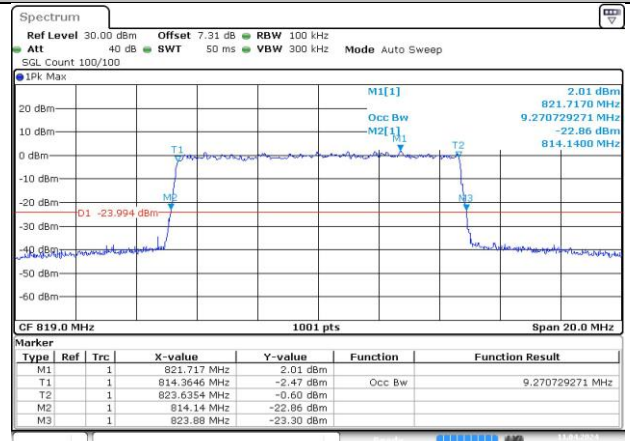
MCH_CP-16QAM / Outer_Full



MCH_CP-64QAM / Outer_Full

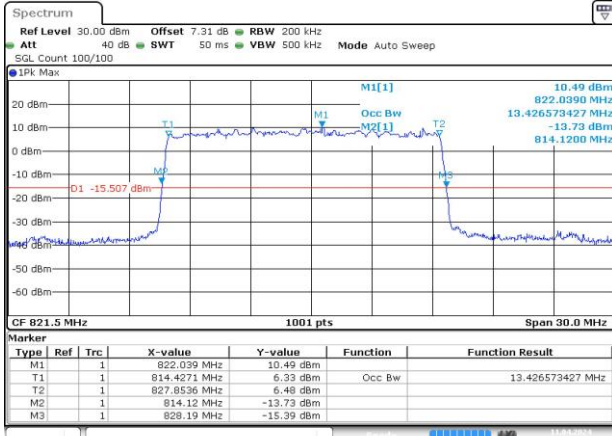


MCH_CP-256QAM / Outer_Full



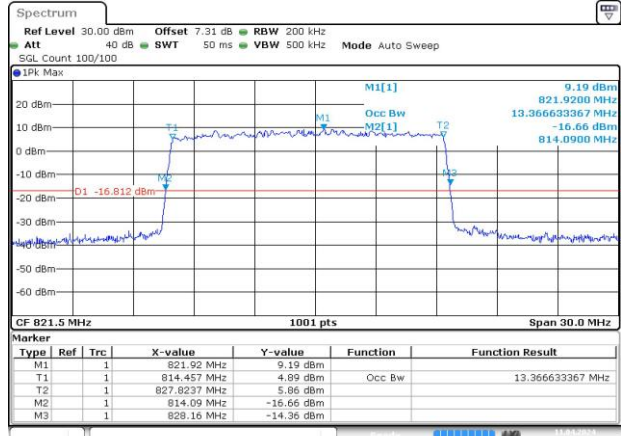
DC_7A_n26A / 15KHz / 15MHz

MCH_DFT-Pi2BPSK / Outer_Full



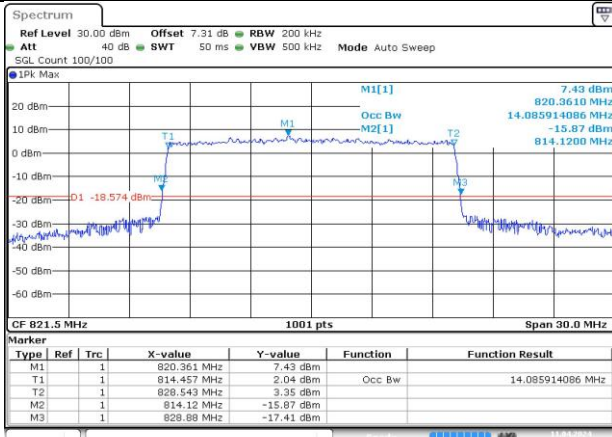
Date: 11.APR 2024 18:21:06

MCH_DFT-QPSK / Outer_Full



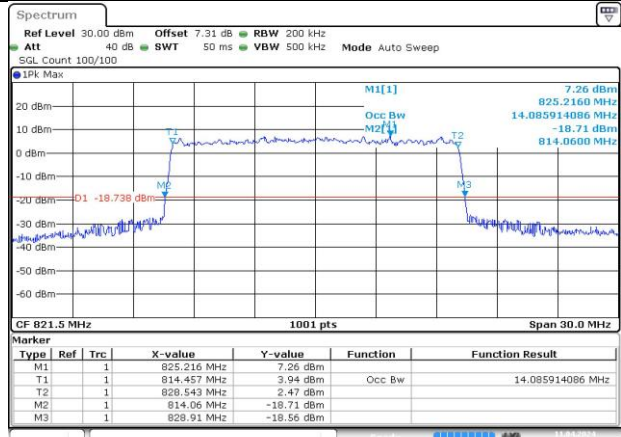
Date: 11.APR 2024 18:21:18

MCH_CP-QPSK / Outer_Full



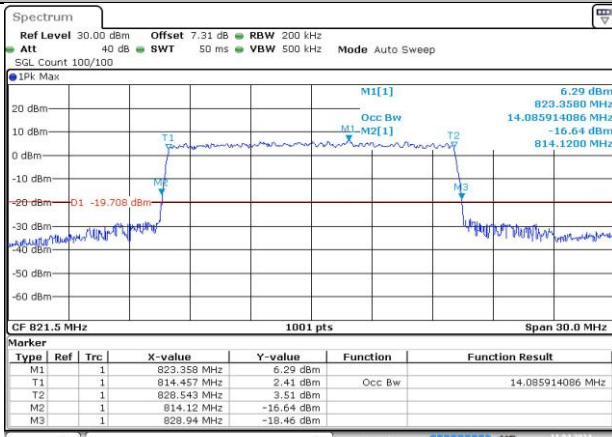
Date: 11.APR 2024 18:21:31

MCH_CP-16QAM / Outer_Full



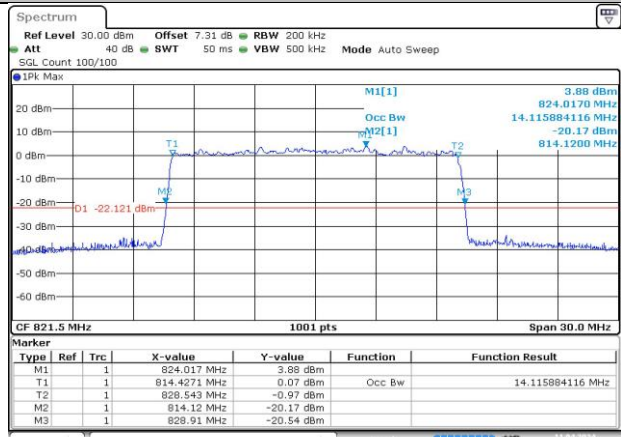
Date: 11.APR 2024 18:21:43

MCH_CP-64QAM / Outer_Full



Date: 11.APR 2024 18:21:56

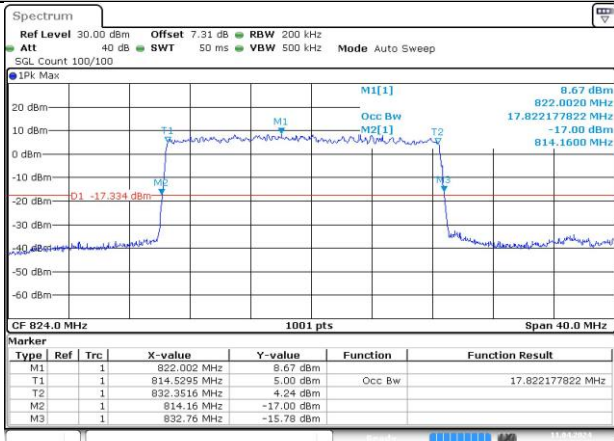
MCH_CP-256QAM / Outer_Full



Date: 11.APR 2024 18:22:09

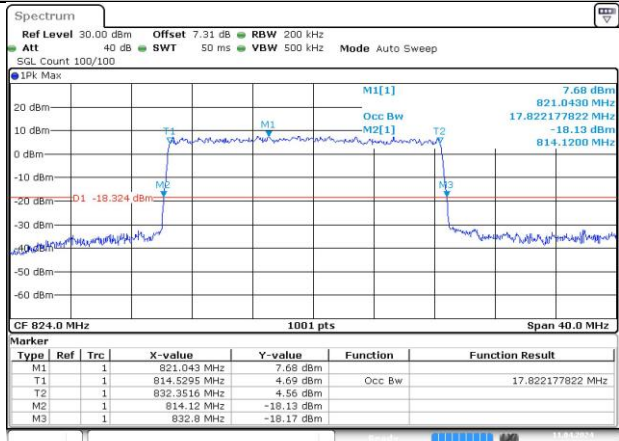
DC_7A_n26A / 15KHz / 20MHz

MCH_DFT-Pi2BPSK / Outer_Full



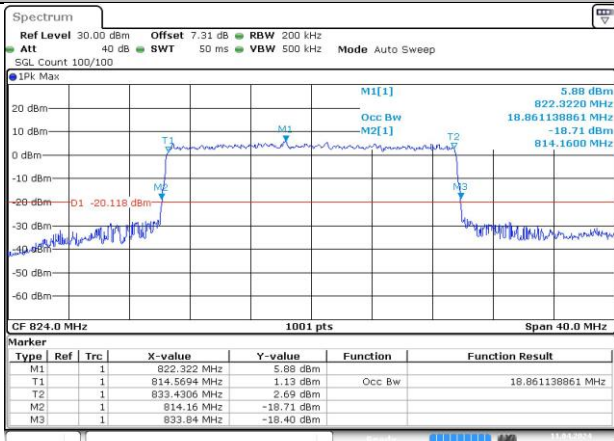
Date: 11.APR 2024 18:22:37

MCH_DFT-QPSK / Outer_Full



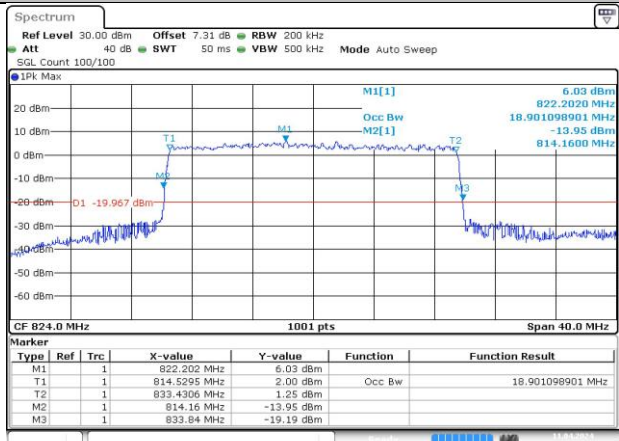
Date: 11.APR 2024 18:22:51

MCH_CP-QPSK / Outer_Full



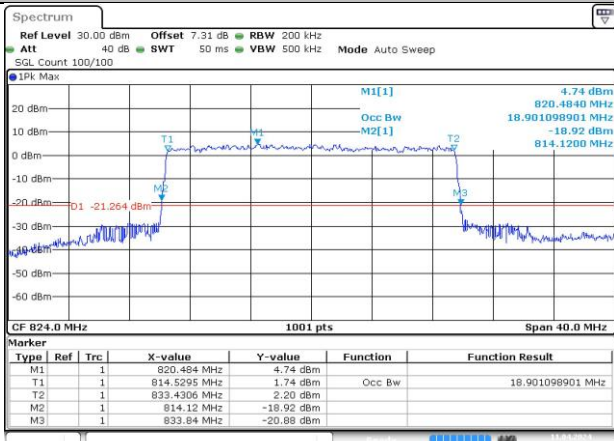
Date: 11.APR 2024 18:23:04

MCH_CP-16QAM / Outer_Full



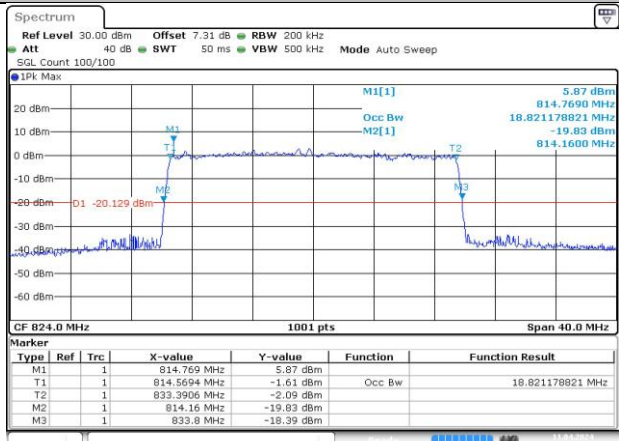
Date: 11.APR 2024 18:23:17

MCH_CP-64QAM / Outer_Full

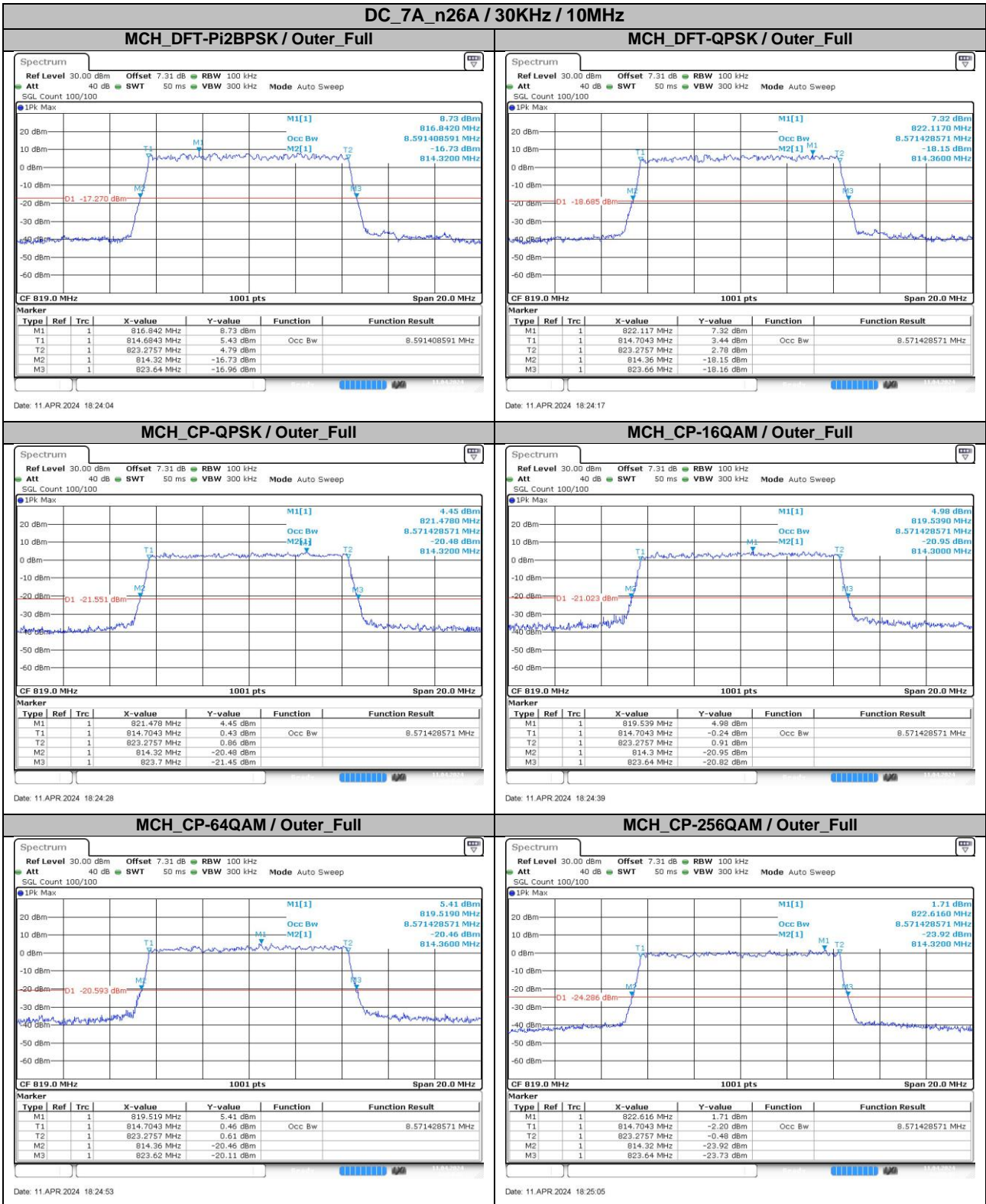


Date: 11.APR 2024 18:23:30

MCH_CP-256QAM / Outer_Full

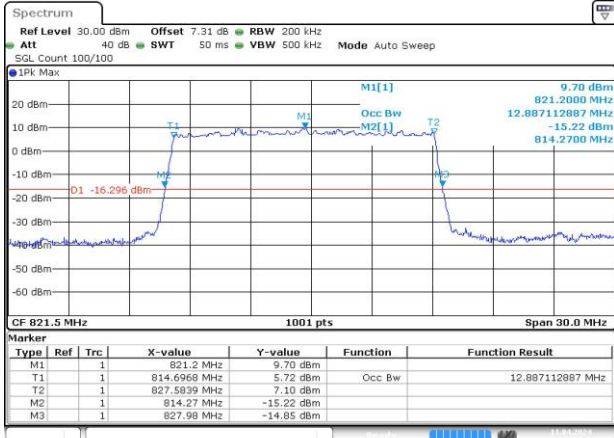


Date: 11.APR 2024 18:23:43

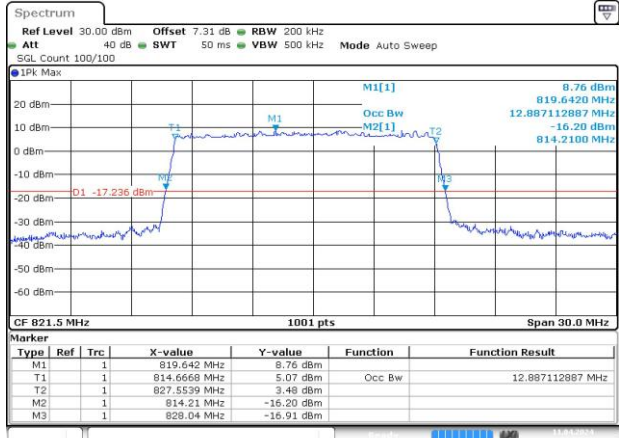


DC_7A_n26A / 30KHz / 15MHz

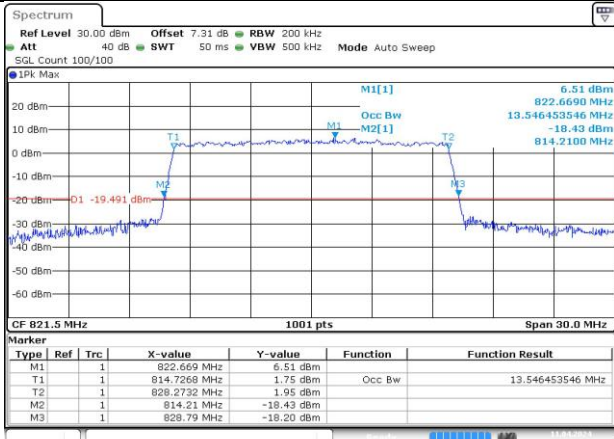
MCH_DFT-Pi2BPSK / Outer_Full



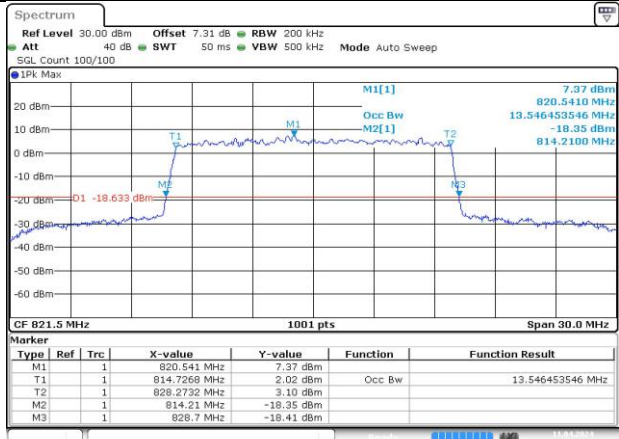
MCH_DFT-QPSK / Outer_Full



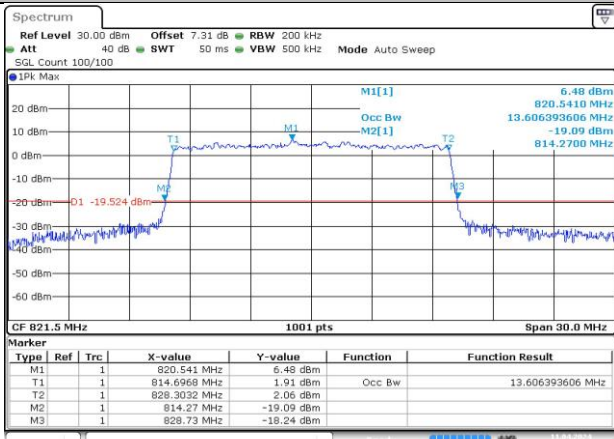
MCH_CP-QPSK / Outer_Full



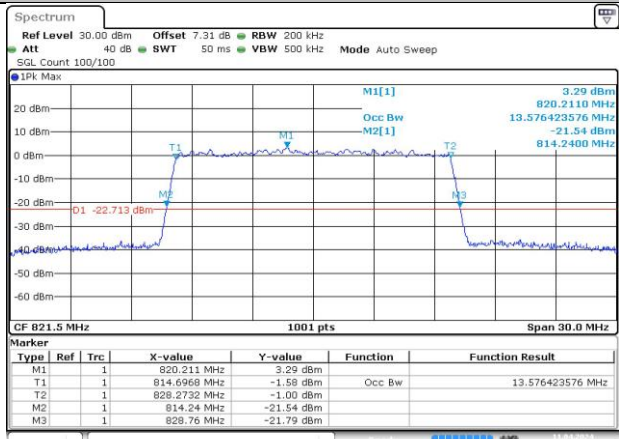
MCH_CP-16QAM / Outer_Full



MCH_CP-64QAM / Outer_Full

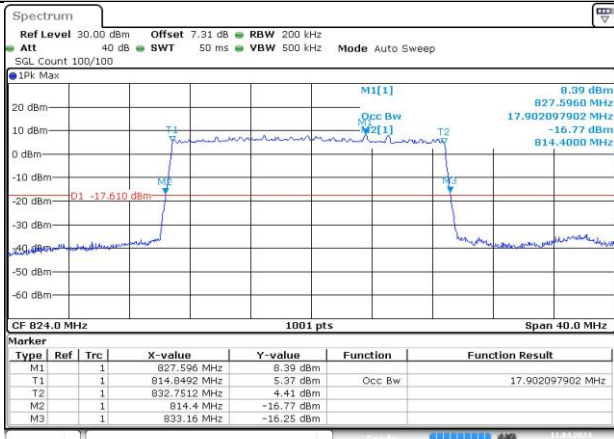


MCH_CP-256QAM / Outer_Full

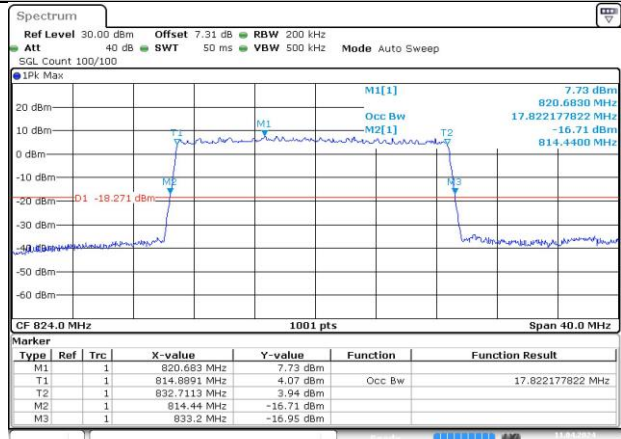


DC_7A_n26A / 30KHz / 20MHz

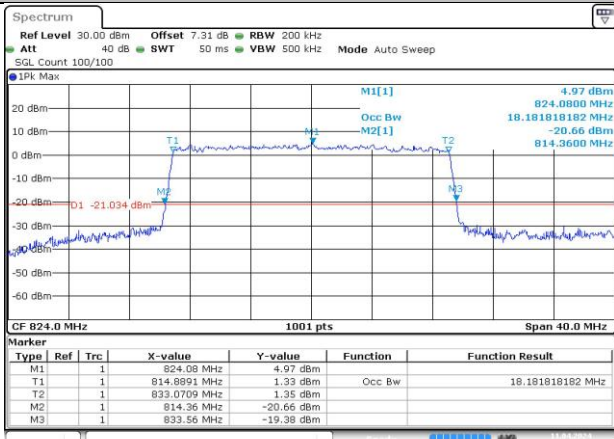
MCH_DFT-Pi2BPSK / Outer_Full



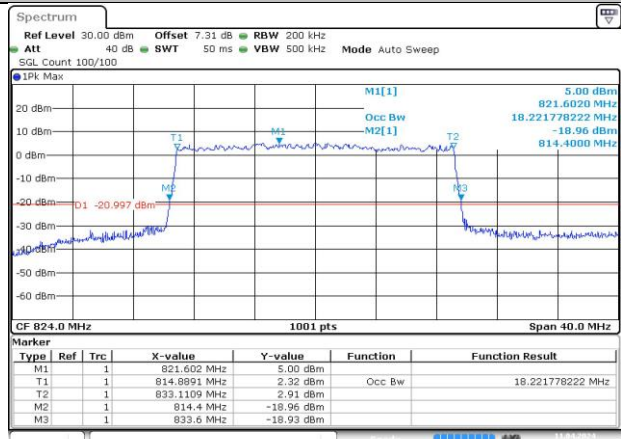
MCH_DFT-QPSK / Outer_Full



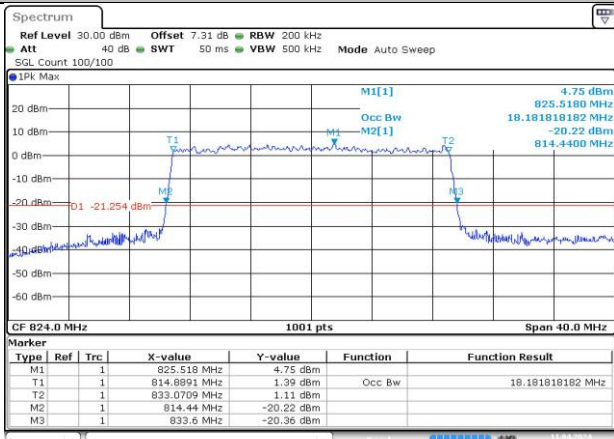
MCH_CP-QPSK / Outer_Full



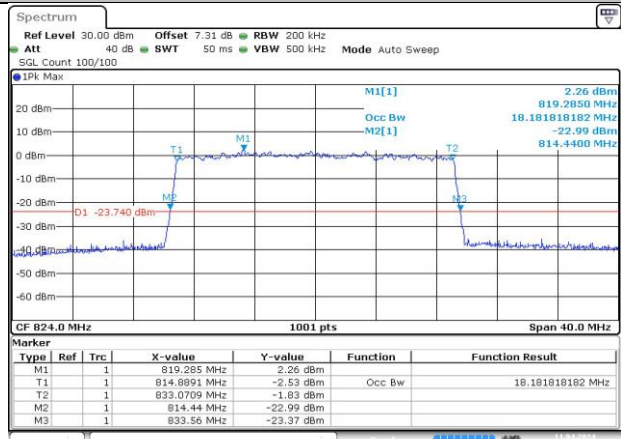
MCH_CP-16QAM / Outer_Full



MCH_CP-64QAM / Outer_Full



MCH_CP-256QAM / Outer_Full



5. Conducted Band Edges

5.1. Test Plots

