

**Appendix  
for  
DC\_7A\_n26A  
(824-849)**

## Catalogue

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## 1. Effective Radiated Power

### 1.1. Test Results @ Ant0 (Antenna Gain=-3.82dBi)

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	22.98	22.85	23.03	17.06	38.45	Pass
15KHz	5MHz	LCH	DFT-QPSK	23.05	22.84	23.03	17.08	38.45	Pass
15KHz	5MHz	LCH	DFT-16QAM	22.25	22.09	22.04	16.28	38.45	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.81	20.66	20.54	14.84	38.45	Pass
15KHz	5MHz	LCH	DFT-256QAM	18.66	18.61	18.71	12.74	38.45	Pass
15KHz	5MHz	LCH	CP-QPSK	21.51	21.38	21.61	15.64	38.45	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	22.94	22.97	23.01	17.04	38.45	Pass
15KHz	5MHz	MCH	DFT-QPSK	22.92	22.95	23.00	17.03	38.45	Pass
15KHz	5MHz	MCH	DFT-16QAM	22.18	22.19	22.02	16.22	38.45	Pass
15KHz	5MHz	MCH	DFT-64QAM	20.69	20.71	20.54	14.74	38.45	Pass
15KHz	5MHz	MCH	DFT-256QAM	18.54	18.52	18.66	12.69	38.45	Pass
15KHz	5MHz	MCH	CP-QPSK	21.35	21.45	21.58	15.61	38.45	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	22.94	22.96	23.06	17.09	38.45	Pass
15KHz	5MHz	HCH	DFT-QPSK	22.98	22.96	23.08	17.11	38.45	Pass
15KHz	5MHz	HCH	DFT-16QAM	22.20	22.19	22.06	16.23	38.45	Pass
15KHz	5MHz	HCH	DFT-64QAM	20.74	20.76	20.59	14.79	38.45	Pass
15KHz	5MHz	HCH	DFT-256QAM	18.59	18.55	18.77	12.80	38.45	Pass
15KHz	5MHz	HCH	CP-QPSK	21.42	21.42	21.59	15.62	38.45	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	23.05	23.01	23.02	17.08	38.45	Pass
15KHz	10MHz	LCH	DFT-QPSK	23.10	22.98	23.04	17.13	38.45	Pass
15KHz	10MHz	LCH	DFT-16QAM	22.31	22.20	22.09	16.34	38.45	Pass
15KHz	10MHz	LCH	DFT-64QAM	20.89	20.79	20.61	14.92	38.45	Pass
15KHz	10MHz	LCH	DFT-256QAM	18.69	18.59	18.66	12.72	38.45	Pass
15KHz	10MHz	LCH	CP-QPSK	21.53	21.42	21.56	15.59	38.45	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	22.98	23.04	23.00	17.07	38.45	Pass
15KHz	10MHz	MCH	DFT-QPSK	22.96	22.99	22.99	17.02	38.45	Pass
15KHz	10MHz	MCH	DFT-16QAM	22.20	22.26	22.08	16.29	38.45	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.77	20.82	20.56	14.85	38.45	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.54	18.58	18.59	12.62	38.45	Pass
15KHz	10MHz	MCH	CP-QPSK	21.41	21.44	21.53	15.56	38.45	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	22.99	23.03	23.06	17.09	38.45	Pass
15KHz	10MHz	HCH	DFT-QPSK	22.96	23.06	23.07	17.10	38.45	Pass
15KHz	10MHz	HCH	DFT-16QAM	22.23	22.25	22.13	16.28	38.45	Pass
15KHz	10MHz	HCH	DFT-64QAM	20.79	20.83	20.64	14.86	38.45	Pass
15KHz	10MHz	HCH	DFT-256QAM	18.53	18.60	18.69	12.72	38.45	Pass
15KHz	10MHz	HCH	CP-QPSK	21.44	21.47	21.60	15.63	38.45	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	23.06	23.01	23.06	17.09	38.45	Pass
15KHz	15MHz	LCH	DFT-QPSK	23.07	23.01	23.07	17.10	38.45	Pass
15KHz	15MHz	LCH	DFT-16QAM	22.29	22.18	22.12	16.32	38.45	Pass
15KHz	15MHz	LCH	DFT-64QAM	20.76	20.66	20.64	14.79	38.45	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.63	18.56	18.66	12.69	38.45	Pass
15KHz	15MHz	LCH	CP-QPSK	21.46	21.43	21.63	15.66	38.45	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	22.94	23.05	23.01	17.08	38.45	Pass
15KHz	15MHz	MCH	DFT-QPSK	22.95	23.05	23.05	17.08	38.45	Pass
15KHz	15MHz	MCH	DFT-16QAM	22.15	22.22	22.10	16.25	38.45	Pass
15KHz	15MHz	MCH	DFT-64QAM	20.61	20.66	20.62	14.69	38.45	Pass
15KHz	15MHz	MCH	DFT-256QAM	18.56	18.63	18.60	12.66	38.45	Pass
15KHz	15MHz	MCH	CP-QPSK	21.33	21.45	21.62	15.65	38.45	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	23.00	23.05	23.10	17.13	38.45	Pass
15KHz	15MHz	HCH	DFT-QPSK	22.97	23.02	23.11	17.14	38.45	Pass
15KHz	15MHz	HCH	DFT-16QAM	22.14	22.22	22.12	16.25	38.45	Pass
15KHz	15MHz	HCH	DFT-64QAM	20.62	20.68	20.68	14.71	38.45	Pass
15KHz	15MHz	HCH	DFT-256QAM	18.53	18.59	18.61	12.64	38.45	Pass
15KHz	15MHz	HCH	CP-QPSK	21.37	21.43	21.68	15.71	38.45	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	23.04	23.00	23.07	17.10	38.45	Pass
15KHz	20MHz	LCH	DFT-QPSK	23.08	23.03	23.06	17.11	38.45	Pass
15KHz	20MHz	LCH	DFT-16QAM	22.29	22.18	22.12	16.32	38.45	Pass
15KHz	20MHz	LCH	DFT-64QAM	20.76	20.64	20.64	14.79	38.45	Pass

15KHz	20MHz	LCH	DFT-256QAM	18.59	18.55	18.64	12.67	38.45	Pass
15KHz	20MHz	LCH	CP-QPSK	21.43	21.42	21.61	15.64	38.45	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	22.97	23.01	23.08	17.11	38.45	Pass
15KHz	20MHz	MCH	DFT-QPSK	22.95	23.03	23.06	17.09	38.45	Pass
15KHz	20MHz	MCH	DFT-16QAM	22.14	22.16	22.11	16.19	38.45	Pass
15KHz	20MHz	MCH	DFT-64QAM	20.62	20.68	20.63	14.71	38.45	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.60	18.57	18.63	12.66	38.45	Pass
15KHz	20MHz	MCH	CP-QPSK	21.30	21.39	21.64	15.67	38.45	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	22.92	23.02	23.12	17.15	38.45	Pass
15KHz	20MHz	HCH	DFT-QPSK	22.92	23.03	23.10	17.13	38.45	Pass
15KHz	20MHz	HCH	DFT-16QAM	22.11	22.20	22.15	16.23	38.45	Pass
15KHz	20MHz	HCH	DFT-64QAM	20.58	20.66	20.65	14.69	38.45	Pass
15KHz	20MHz	HCH	DFT-256QAM	18.53	18.54	18.66	12.69	38.45	Pass
15KHz	20MHz	HCH	CP-QPSK	21.28	21.41	21.63	15.66	38.45	Pass
30KHz	10MHz	LCH	DFT-Pi2BPSK	23.11	23.07	23.00	17.14	38.45	Pass
30KHz	10MHz	LCH	DFT-QPSK	23.12	23.06	23.13	17.16	38.45	Pass
30KHz	10MHz	LCH	DFT-16QAM	22.41	22.33	22.14	16.44	38.45	Pass
30KHz	10MHz	LCH	DFT-64QAM	20.90	20.78	20.66	14.93	38.45	Pass
30KHz	10MHz	LCH	DFT-256QAM	18.75	18.70	18.85	12.88	38.45	Pass
30KHz	10MHz	LCH	CP-QPSK	21.63	21.53	21.53	15.66	38.45	Pass
30KHz	10MHz	MCH	DFT-Pi2BPSK	23.05	23.05	23.05	17.08	38.45	Pass
30KHz	10MHz	MCH	DFT-QPSK	23.05	23.09	23.20	17.23	38.45	Pass
30KHz	10MHz	MCH	DFT-16QAM	22.32	22.34	22.12	16.37	38.45	Pass
30KHz	10MHz	MCH	DFT-64QAM	20.91	20.95	20.67	14.98	38.45	Pass
30KHz	10MHz	MCH	DFT-256QAM	18.69	18.73	18.78	12.81	38.45	Pass
30KHz	10MHz	MCH	CP-QPSK	21.49	21.49	21.55	15.58	38.45	Pass
30KHz	10MHz	HCH	DFT-Pi2BPSK	23.05	23.06	23.11	17.14	38.45	Pass
30KHz	10MHz	HCH	DFT-QPSK	23.11	23.10	23.20	17.23	38.45	Pass
30KHz	10MHz	HCH	DFT-16QAM	22.29	22.34	22.18	16.37	38.45	Pass
30KHz	10MHz	HCH	DFT-64QAM	20.87	20.94	20.70	14.97	38.45	Pass
30KHz	10MHz	HCH	DFT-256QAM	18.70	18.73	18.87	12.90	38.45	Pass
30KHz	10MHz	HCH	CP-QPSK	21.50	21.50	21.59	15.62	38.45	Pass
30KHz	15MHz	LCH	DFT-Pi2BPSK	23.03	23.04	23.09	17.12	38.45	Pass
30KHz	15MHz	LCH	DFT-QPSK	23.09	22.99	23.17	17.20	38.45	Pass
30KHz	15MHz	LCH	DFT-16QAM	22.32	22.20	22.20	16.35	38.45	Pass
30KHz	15MHz	LCH	DFT-64QAM	20.83	20.76	20.79	14.86	38.45	Pass
30KHz	15MHz	LCH	DFT-256QAM	18.76	18.72	18.65	12.79	38.45	Pass
30KHz	15MHz	LCH	CP-QPSK	21.59	21.44	21.74	15.77	38.45	Pass
30KHz	15MHz	MCH	DFT-Pi2BPSK	23.04	22.99	23.07	17.10	38.45	Pass
30KHz	15MHz	MCH	DFT-QPSK	23.01	23.06	23.13	17.16	38.45	Pass
30KHz	15MHz	MCH	DFT-16QAM	22.23	22.25	22.16	16.28	38.45	Pass
30KHz	15MHz	MCH	DFT-64QAM	20.83	20.86	20.77	14.89	38.45	Pass
30KHz	15MHz	MCH	DFT-256QAM	18.69	18.77	18.66	12.80	38.45	Pass
30KHz	15MHz	MCH	CP-QPSK	21.45	21.45	21.68	15.71	38.45	Pass
30KHz	15MHz	HCH	DFT-Pi2BPSK	23.00	23.02	23.10	17.13	38.45	Pass
30KHz	15MHz	HCH	DFT-QPSK	23.00	23.09	23.21	17.24	38.45	Pass
30KHz	15MHz	HCH	DFT-16QAM	22.23	22.27	22.22	16.30	38.45	Pass
30KHz	15MHz	HCH	DFT-64QAM	20.81	20.81	20.84	14.87	38.45	Pass
30KHz	15MHz	HCH	DFT-256QAM	18.68	18.71	18.71	12.74	38.45	Pass
30KHz	15MHz	HCH	CP-QPSK	21.41	21.45	21.78	15.81	38.45	Pass
30KHz	20MHz	LCH	DFT-Pi2BPSK	23.02	22.98	23.06	17.09	38.45	Pass
30KHz	20MHz	LCH	DFT-QPSK	23.02	23.01	23.13	17.16	38.45	Pass
30KHz	20MHz	LCH	DFT-16QAM	22.32	22.23	22.19	16.35	38.45	Pass
30KHz	20MHz	LCH	DFT-64QAM	20.72	20.83	20.68	14.86	38.45	Pass
30KHz	20MHz	LCH	DFT-256QAM	18.74	18.77	18.67	12.80	38.45	Pass
30KHz	20MHz	LCH	CP-QPSK	21.56	21.48	21.66	15.69	38.45	Pass
30KHz	20MHz	MCH	DFT-Pi2BPSK	22.96	23.05	23.16	17.19	38.45	Pass
30KHz	20MHz	MCH	DFT-QPSK	22.91	23.06	23.11	17.14	38.45	Pass
30KHz	20MHz	MCH	DFT-16QAM	22.14	22.24	22.12	16.27	38.45	Pass
30KHz	20MHz	MCH	DFT-64QAM	20.76	20.82	20.67	14.85	38.45	Pass
30KHz	20MHz	MCH	DFT-256QAM	18.69	18.78	18.67	12.81	38.45	Pass
30KHz	20MHz	MCH	CP-QPSK	21.39	21.50	21.76	15.79	38.45	Pass

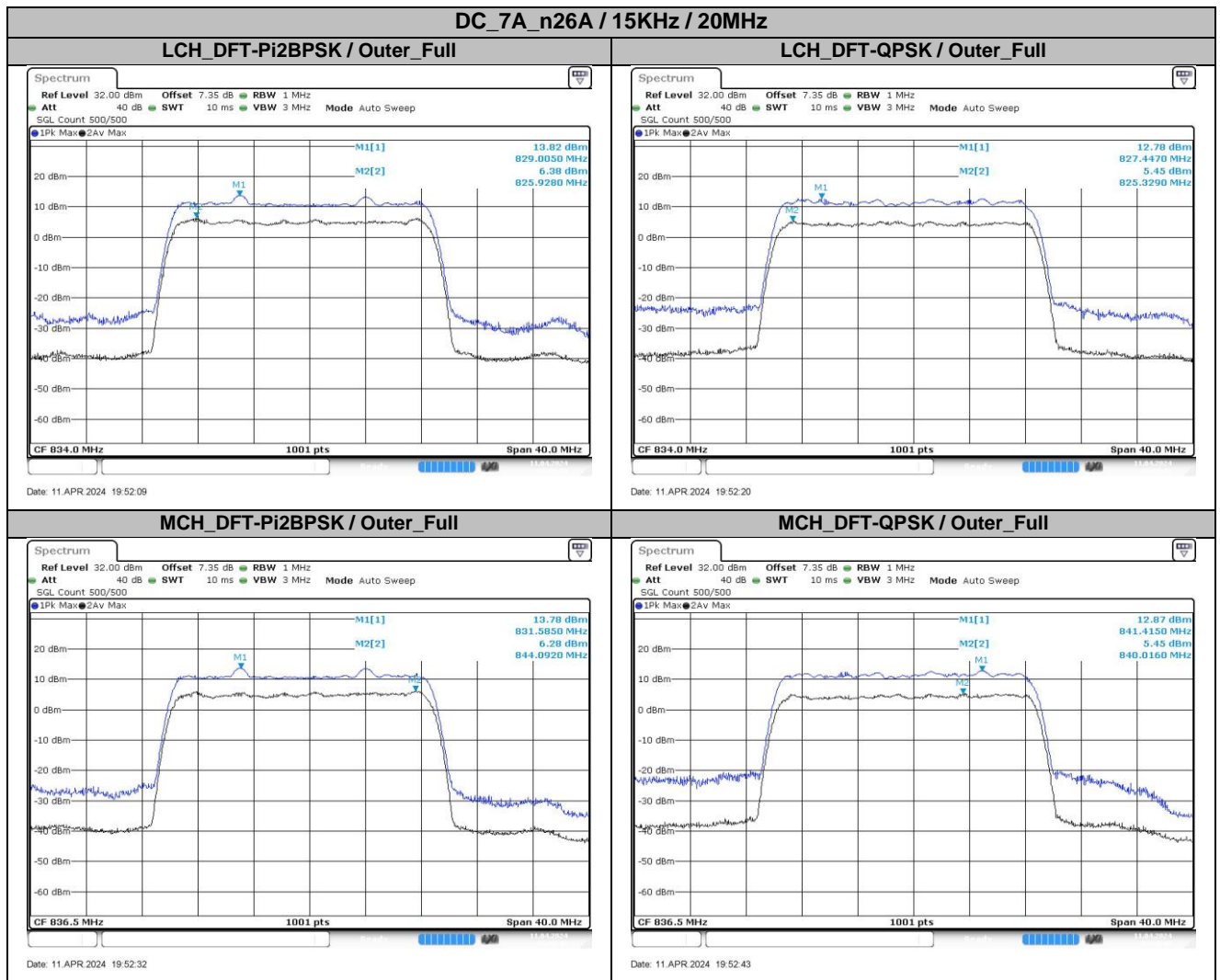
30KHz	20MHz	HCH	DFT-Pi2BPSK	23.00	23.03	23.21	17.24	38.45	Pass
30KHz	20MHz	HCH	DFT-QPSK	22.99	23.05	23.13	17.16	38.45	Pass
30KHz	20MHz	HCH	DFT-16QAM	22.27	22.29	22.23	16.32	38.45	Pass
30KHz	20MHz	HCH	DFT-64QAM	20.78	20.91	20.72	14.94	38.45	Pass
30KHz	20MHz	HCH	DFT-256QAM	18.67	18.75	18.68	12.78	38.45	Pass
30KHz	20MHz	HCH	CP-QPSK	21.46	21.46	21.75	15.78	38.45	Pass

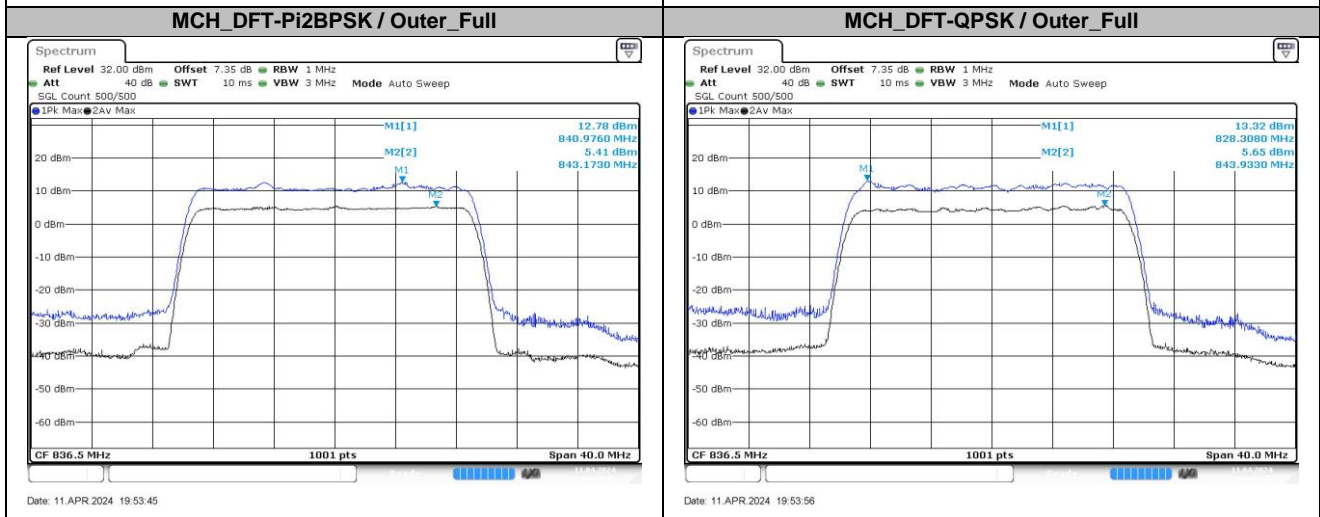
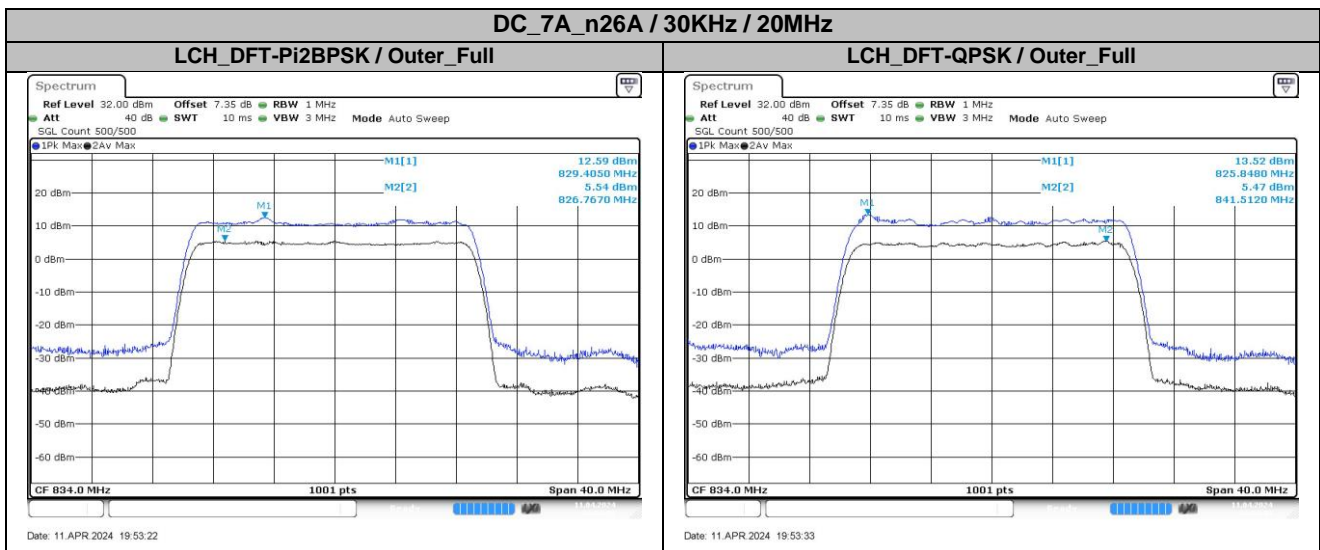
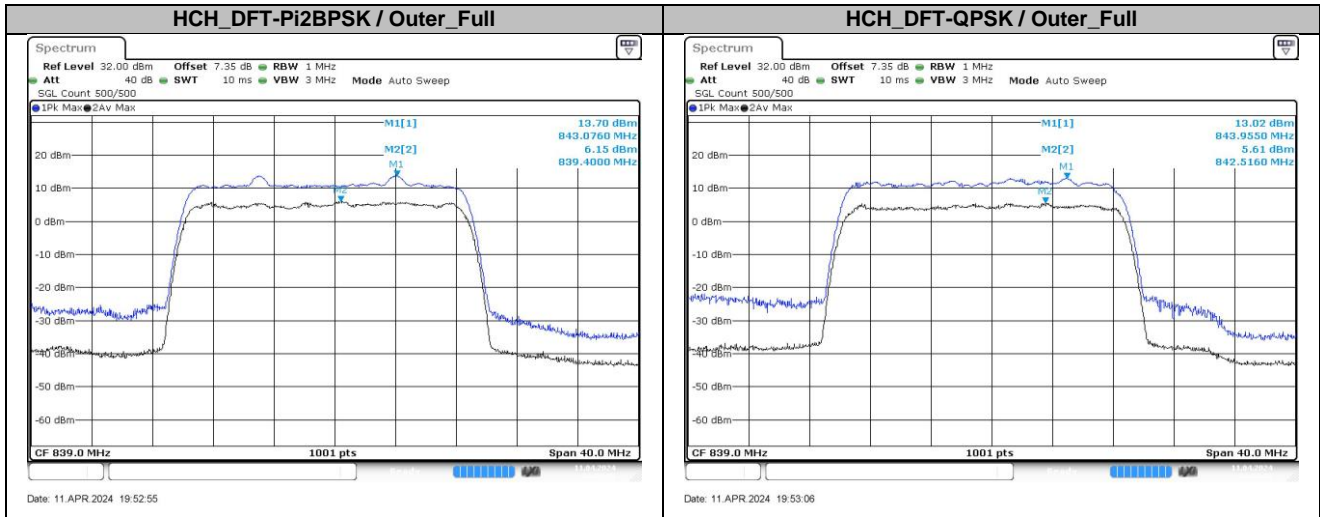
## 2. Peak-to-Average Ratio

### 2.1. Test Results

Channel	Modulation	15KHz / 20MHz		30KHz / 20MHz		Limit (dB)	Verdict
		DFT-Pi2BPSK	DFT-QPSK	DFT-Pi2BPSK	DFT-QPSK		
LCH	Outer_Full	7.44	7.32	7.05	8.05	13.00	Pass
MCH	Outer_Full	7.49	7.42	7.37	7.67	13.00	Pass
HCH	Outer_Full	7.56	7.41	7.67	7.40	13.00	Pass

### 2.2. Test Plots

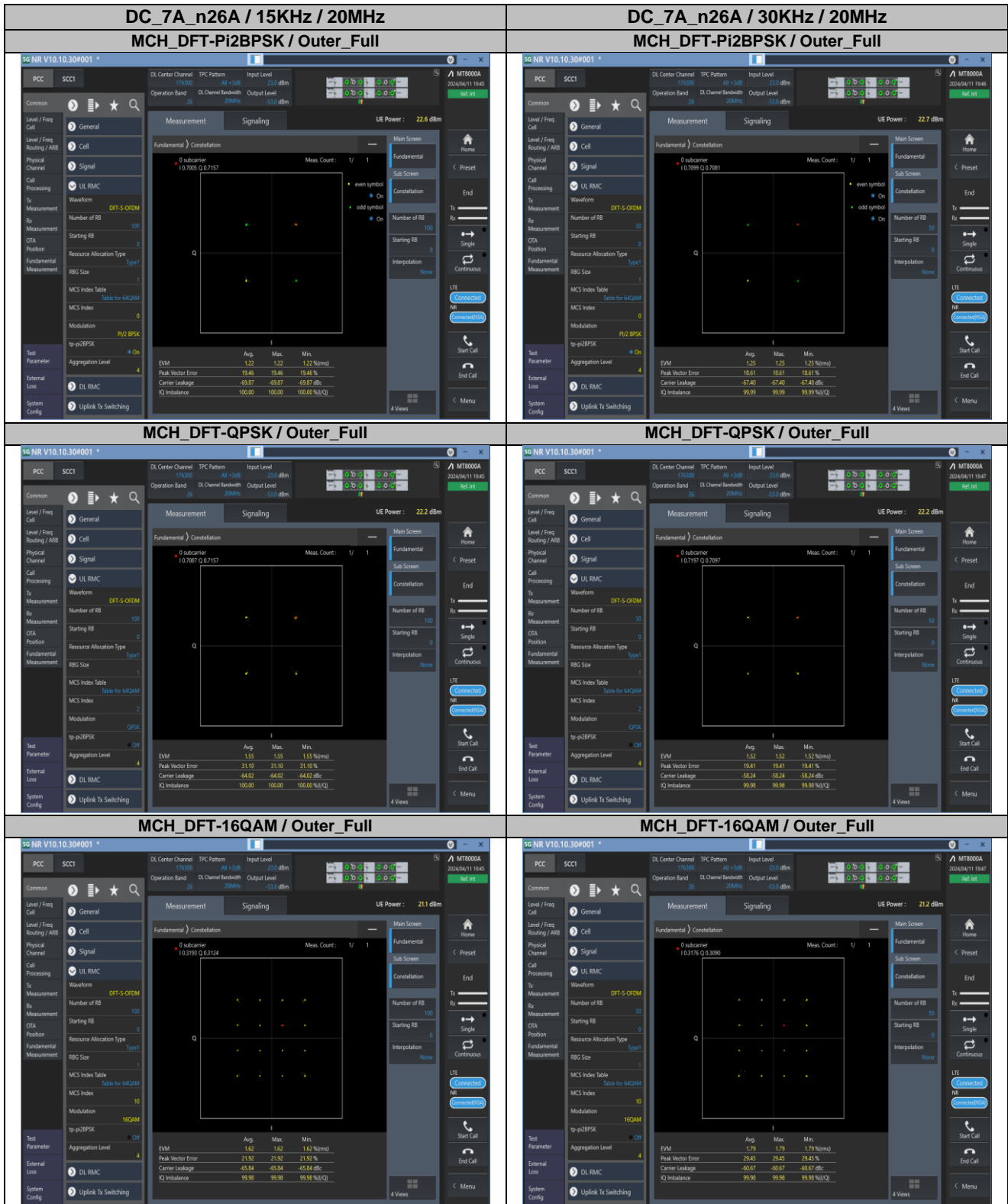




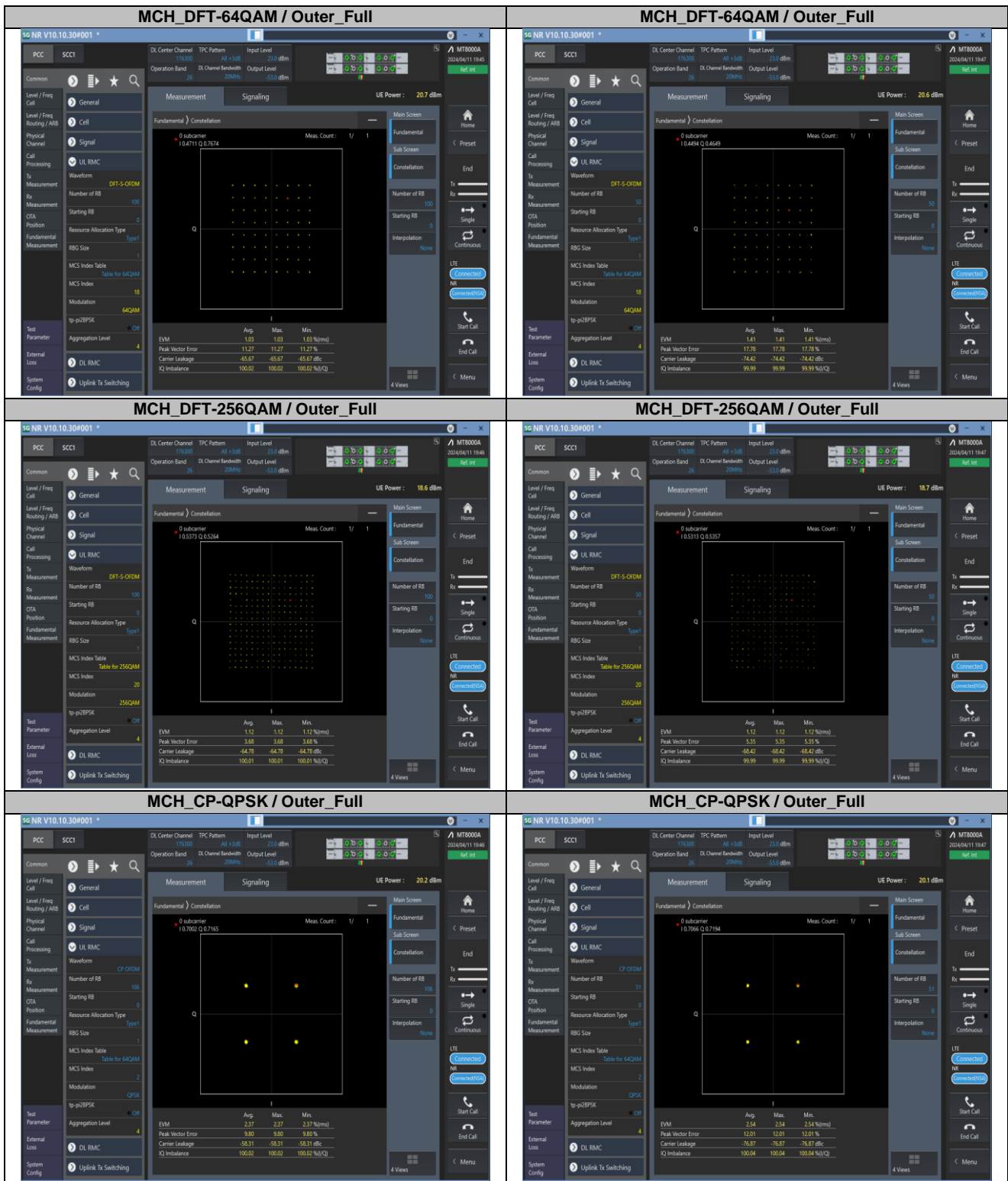


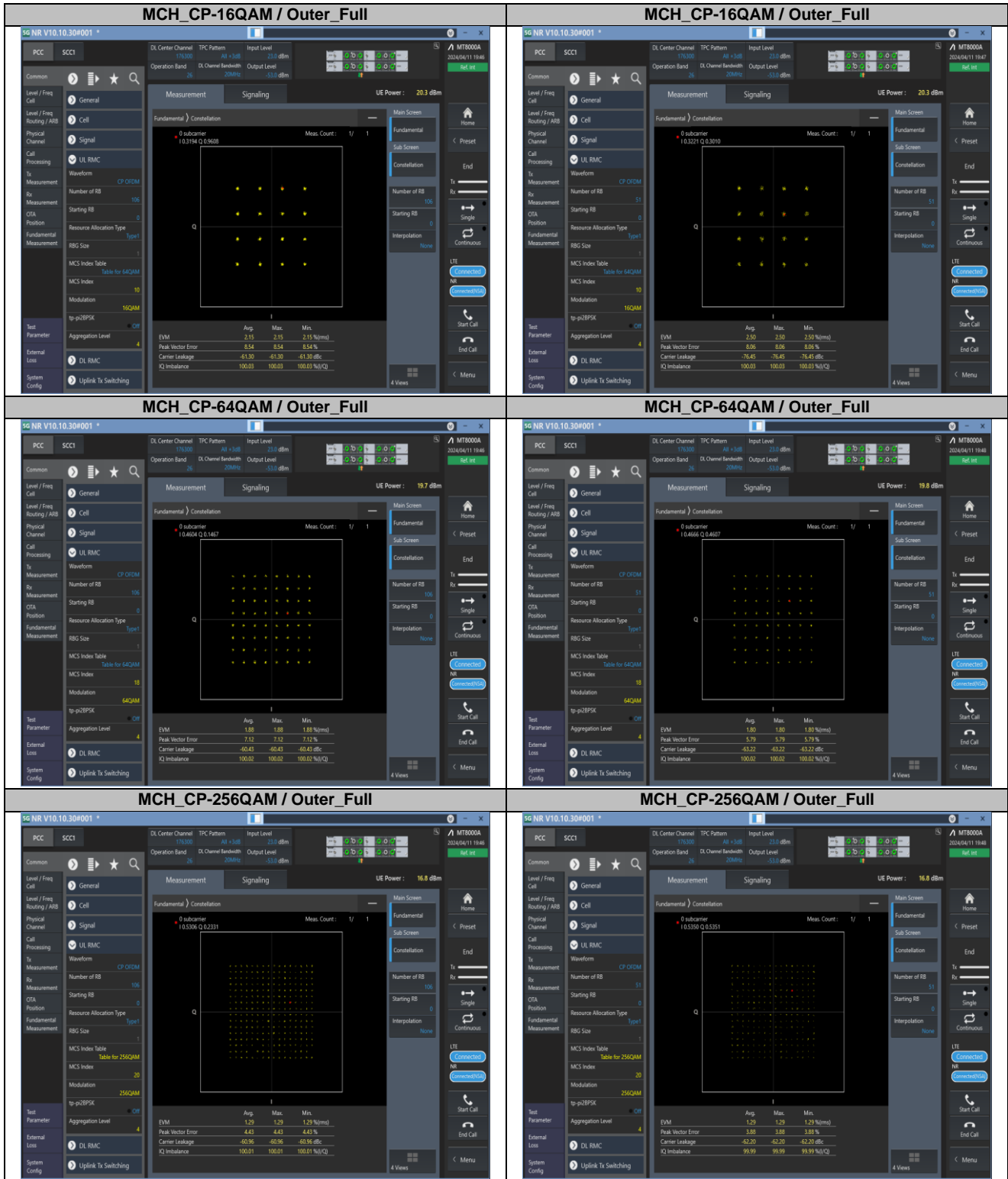
### 3. Modulation Characteristics

#### 3.1. Test Plots







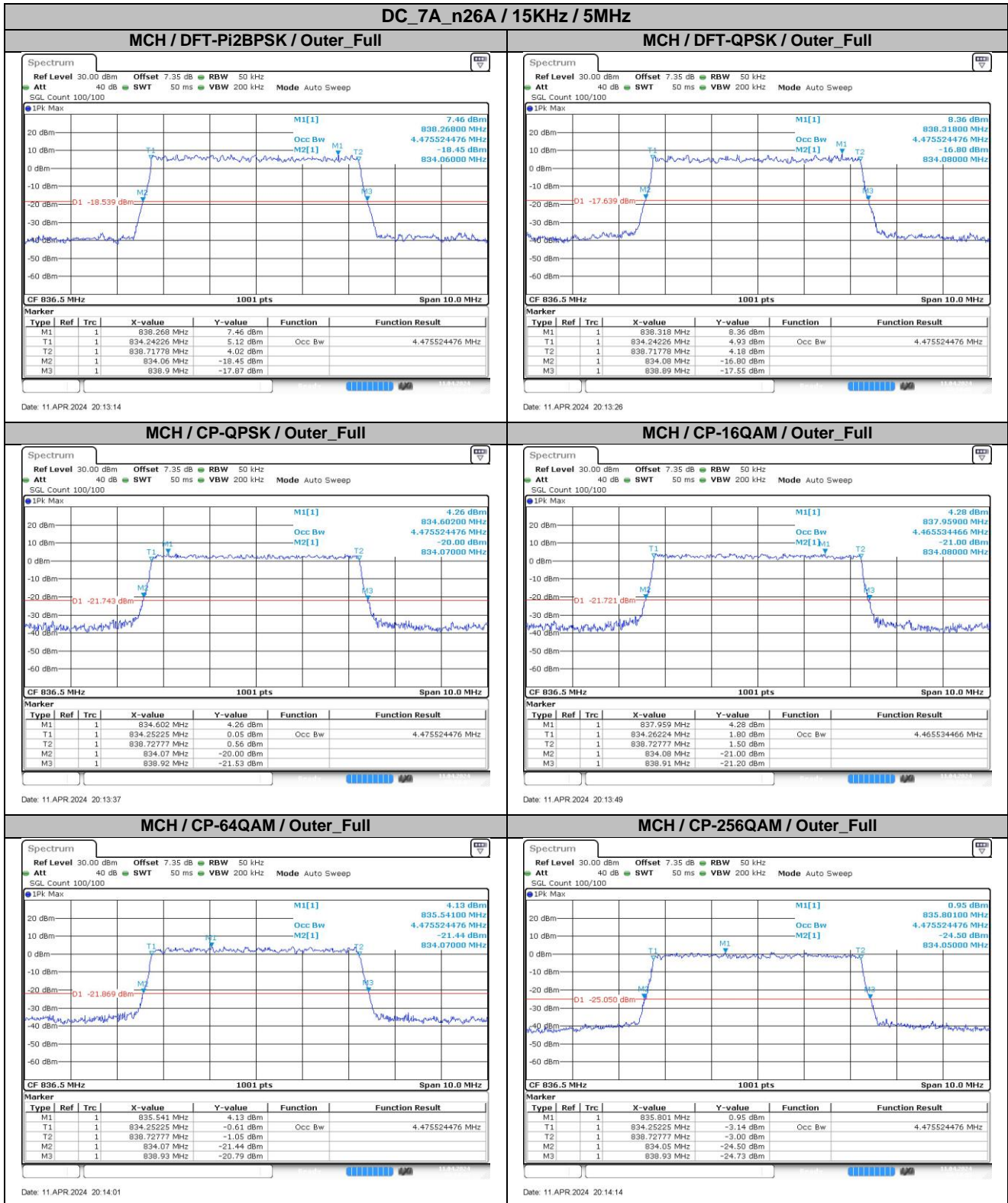


## 4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

### 4.1. Test Results

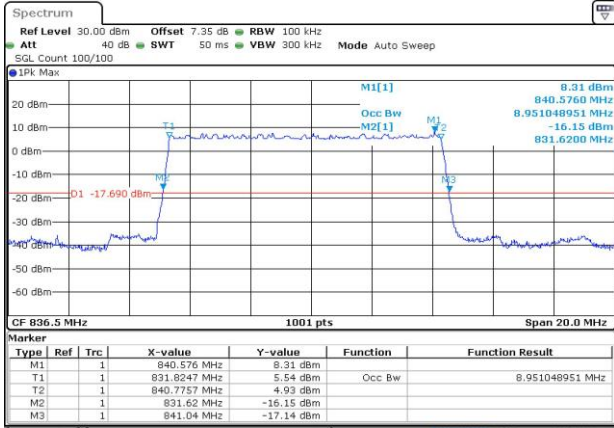
Bandwidth	Modulation	RB Config	99% Occupied Bandwidth (MHz)		26dB Emission Bandwidth (MHz)		Verdict
			15KHz	30KHz	15KHz	30KHz	
5MHz	DFT-Pi2BPSK	Outer_Full	4.48	N/A	4.84	N/A	Pass
5MHz	DFT-QPSK	Outer_Full	4.48	N/A	4.81	N/A	Pass
5MHz	CP-QPSK	Outer_Full	4.48	N/A	4.85	N/A	Pass
5MHz	CP-16QAM	Outer_Full	4.47	N/A	4.83	N/A	Pass
5MHz	CP-64QAM	Outer_Full	4.48	N/A	4.86	N/A	Pass
5MHz	CP-256QAM	Outer_Full	4.48	N/A	4.88	N/A	Pass
10MHz	DFT-Pi2BPSK	Outer_Full	8.95	8.61	9.42	9.30	Pass
10MHz	DFT-QPSK	Outer_Full	8.91	8.59	9.36	9.28	Pass
10MHz	CP-QPSK	Outer_Full	9.29	8.59	9.78	9.34	Pass
10MHz	CP-16QAM	Outer_Full	9.29	8.57	9.78	9.32	Pass
10MHz	CP-64QAM	Outer_Full	9.29	8.57	9.72	9.28	Pass
10MHz	CP-256QAM	Outer_Full	9.27	8.59	9.72	9.28	Pass
15MHz	DFT-Pi2BPSK	Outer_Full	13.46	12.95	14.16	13.77	Pass
15MHz	DFT-QPSK	Outer_Full	13.43	12.92	14.10	13.86	Pass
15MHz	CP-QPSK	Outer_Full	14.09	13.61	14.82	14.58	Pass
15MHz	CP-16QAM	Outer_Full	14.15	13.61	14.85	14.55	Pass
15MHz	CP-64QAM	Outer_Full	14.15	13.67	14.88	14.58	Pass
15MHz	CP-256QAM	Outer_Full	14.12	13.64	14.79	14.55	Pass
20MHz	DFT-Pi2BPSK	Outer_Full	17.86	17.90	18.64	18.84	Pass
20MHz	DFT-QPSK	Outer_Full	17.86	17.82	18.64	18.76	Pass
20MHz	CP-QPSK	Outer_Full	18.94	18.18	19.76	19.16	Pass
20MHz	CP-16QAM	Outer_Full	18.90	18.22	19.68	19.32	Pass
20MHz	CP-64QAM	Outer_Full	18.94	18.18	19.76	19.16	Pass
20MHz	CP-256QAM	Outer_Full	18.90	18.22	19.72	19.20	Pass

4.2. Test Plots



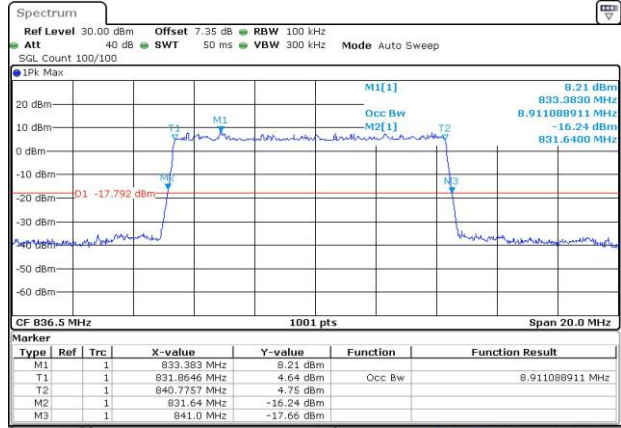
DC\_7A\_n26A / 15KHz / 10MHz

MCH\_DFT-Pi2BPSK / Outer\_Full



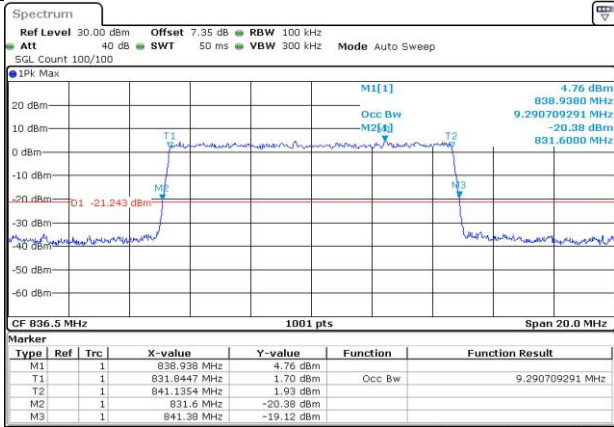
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MCH\_DFT-QPSK / Outer\_Full



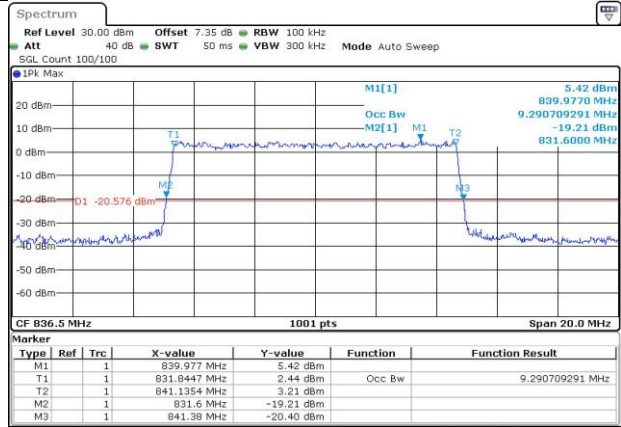
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MCH\_CP-QPSK / Outer\_Full



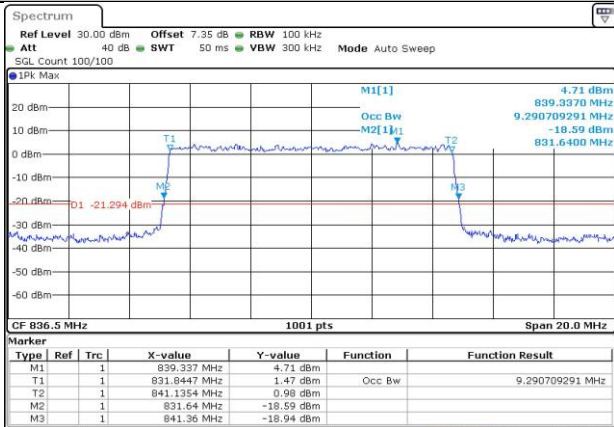
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MCH\_CP-16QAM / Outer\_Full



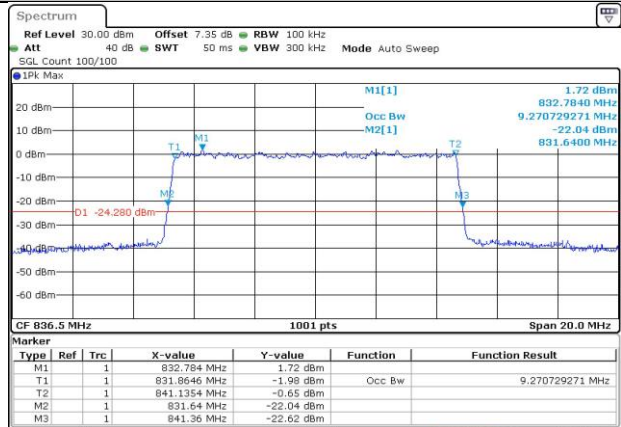
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MCH\_CP-64QAM / Outer\_Full



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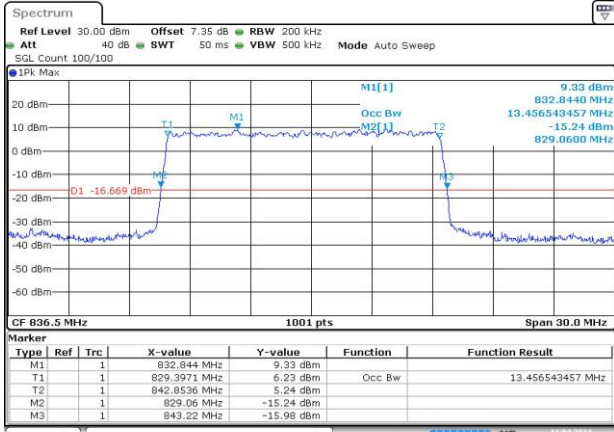
MCH\_CP-256QAM / Outer\_Full



Date: 11.APR.2024 20:15:32

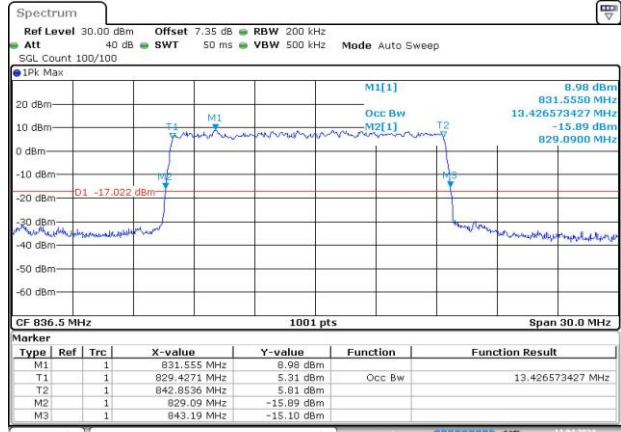
DC\_7A\_n26A / 15KHz / 15MHz

MCH\_DFT-Pi2BPSK / Outer\_Full



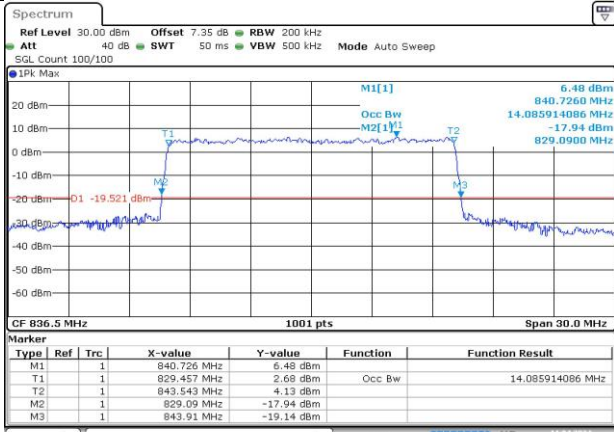
Date: 11.APR.2024 20:15:49

MCH\_DFT-QPSK / Outer\_Full



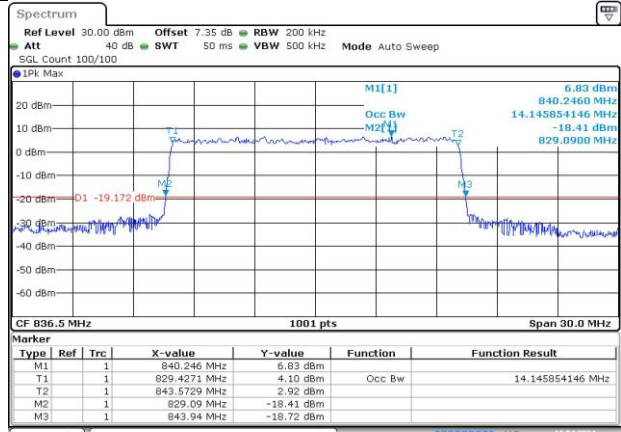
Date: 11.APR.2024 20:16:03

MCH\_CP-QPSK / Outer\_Full



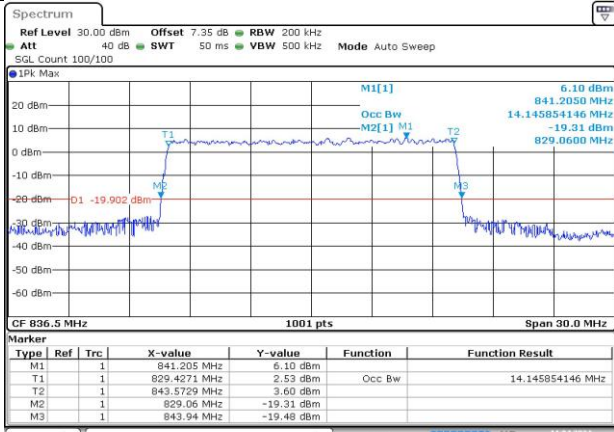
Date: 11.APR.2024 20:16:15

MCH\_CP-16QAM / Outer\_Full



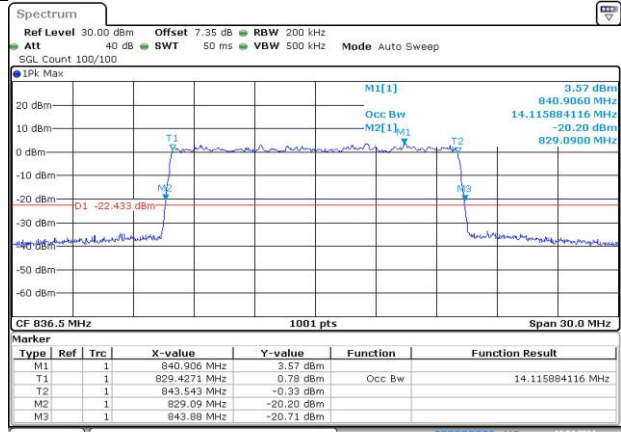
Date: 11.APR.2024 20:16:28

MCH\_CP-64QAM / Outer\_Full



Date: 11.APR.2024 20:16:41

MCH\_CP-256QAM / Outer\_Full

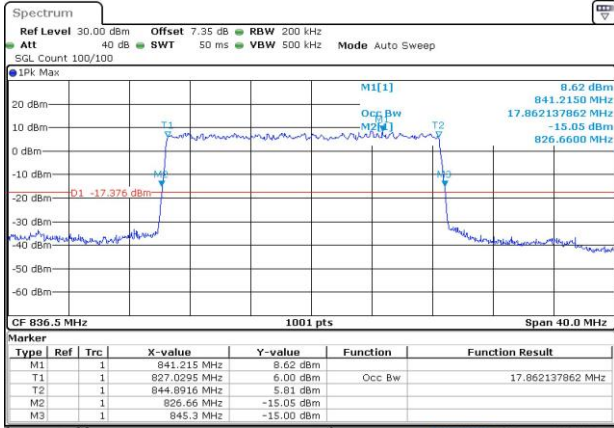


Date: 11.APR.2024 20:16:53



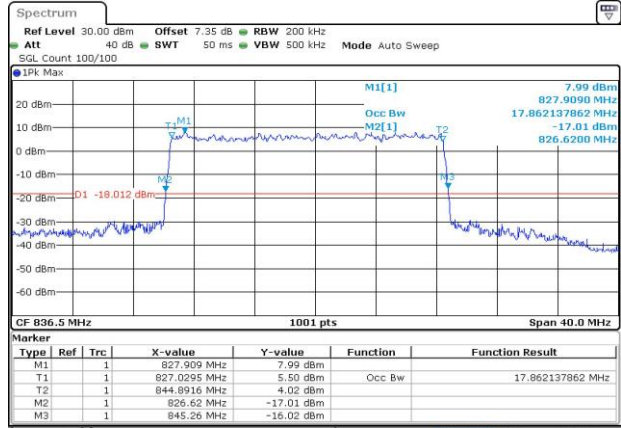
DC\_7A\_n26A / 15KHz / 20MHz

MCH\_DFT-Pi2BPSK / Outer\_Full



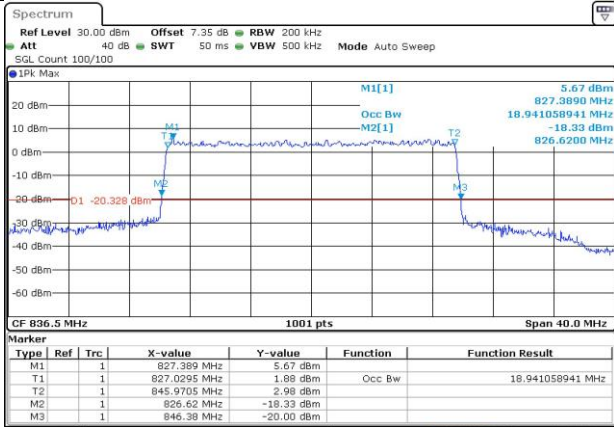
Date: 11.APR.2024 20:17:10

MCH\_DFT-QPSK / Outer\_Full



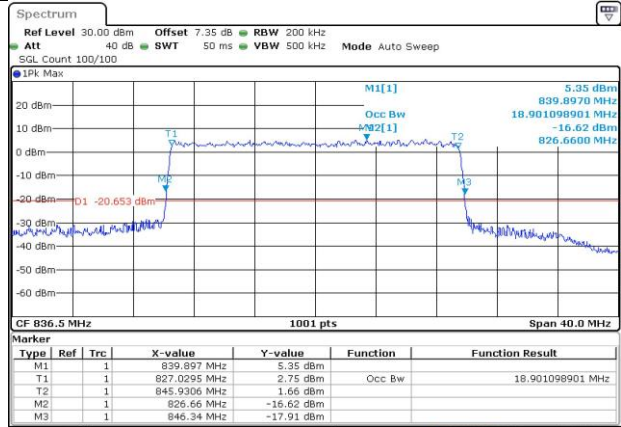
Date: 11.APR.2024 20:17:24

MCH\_CP-QPSK / Outer\_Full



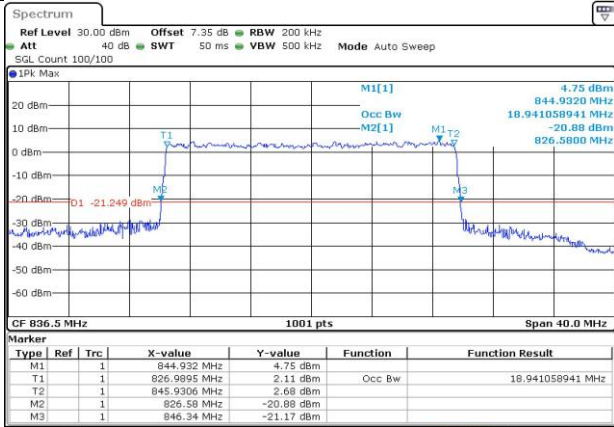
Date: 11.APR.2024 20:17:37

MCH\_CP-16QAM / Outer\_Full



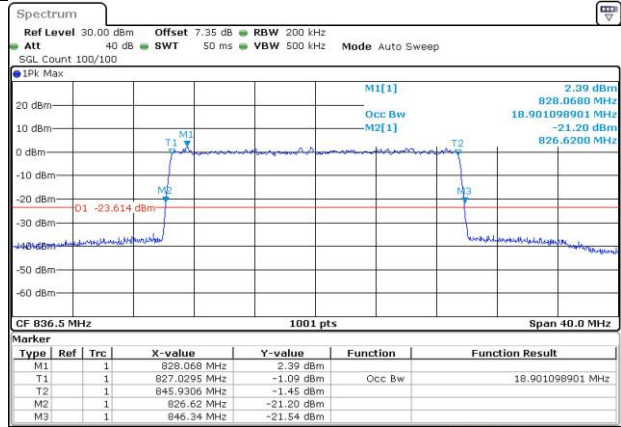
Date: 11.APR.2024 20:17:50

MCH\_CP-64QAM / Outer\_Full



Date: 11.APR.2024 20:18:03

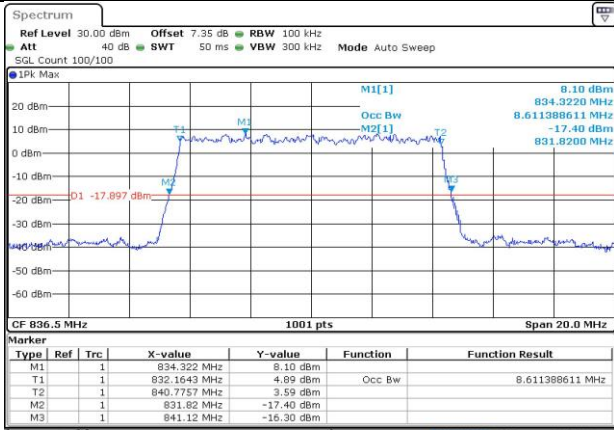
MCH\_CP-256QAM / Outer\_Full



Date: 11.APR.2024 20:18:17

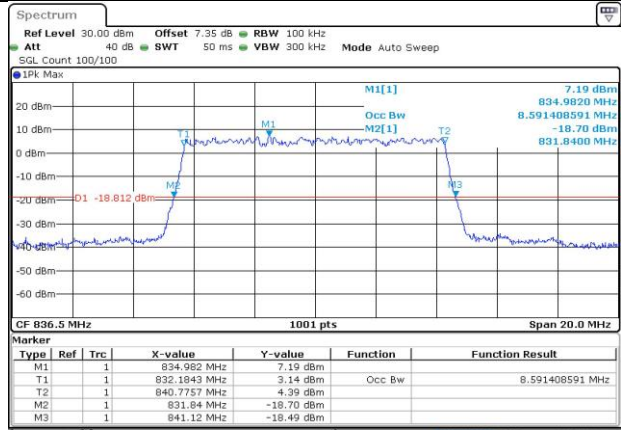
DC\_7A\_n26A / 30KHz / 10MHz

MCH\_DFT-Pi2BPSK / Outer\_Full



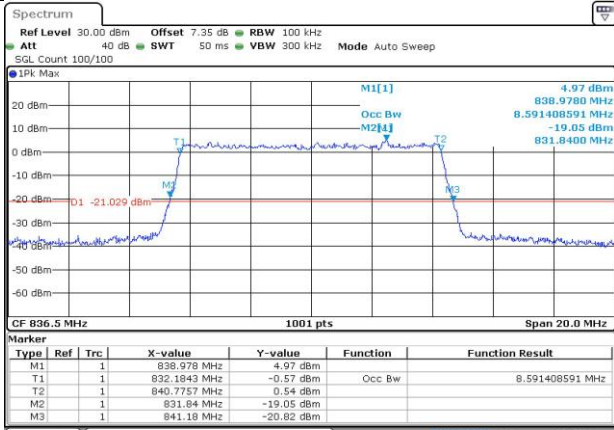
Date: 11.APR.2024 20:18:36

MCH\_DFT-QPSK / Outer\_Full



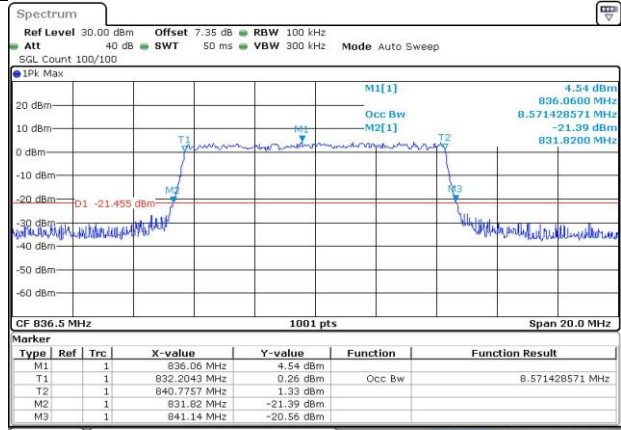
Date: 11.APR.2024 20:18:48

MCH\_CP-QPSK / Outer\_Full



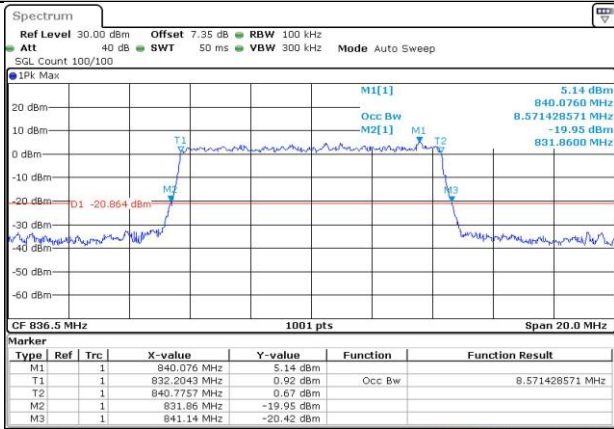
Date: 11.APR.2024 20:19:00

MCH\_CP-16QAM / Outer\_Full



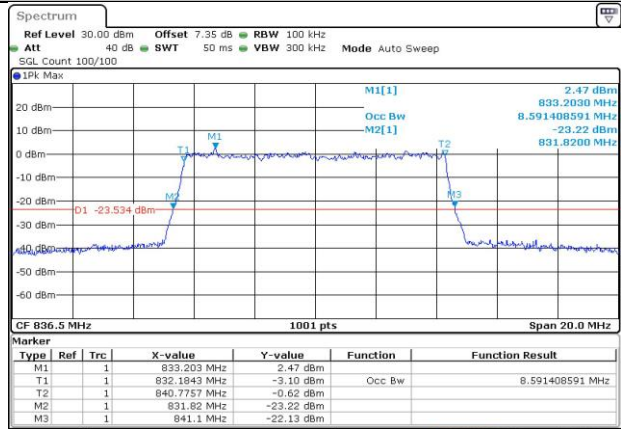
Date: 11.APR.2024 20:19:12

MCH\_CP-64QAM / Outer\_Full



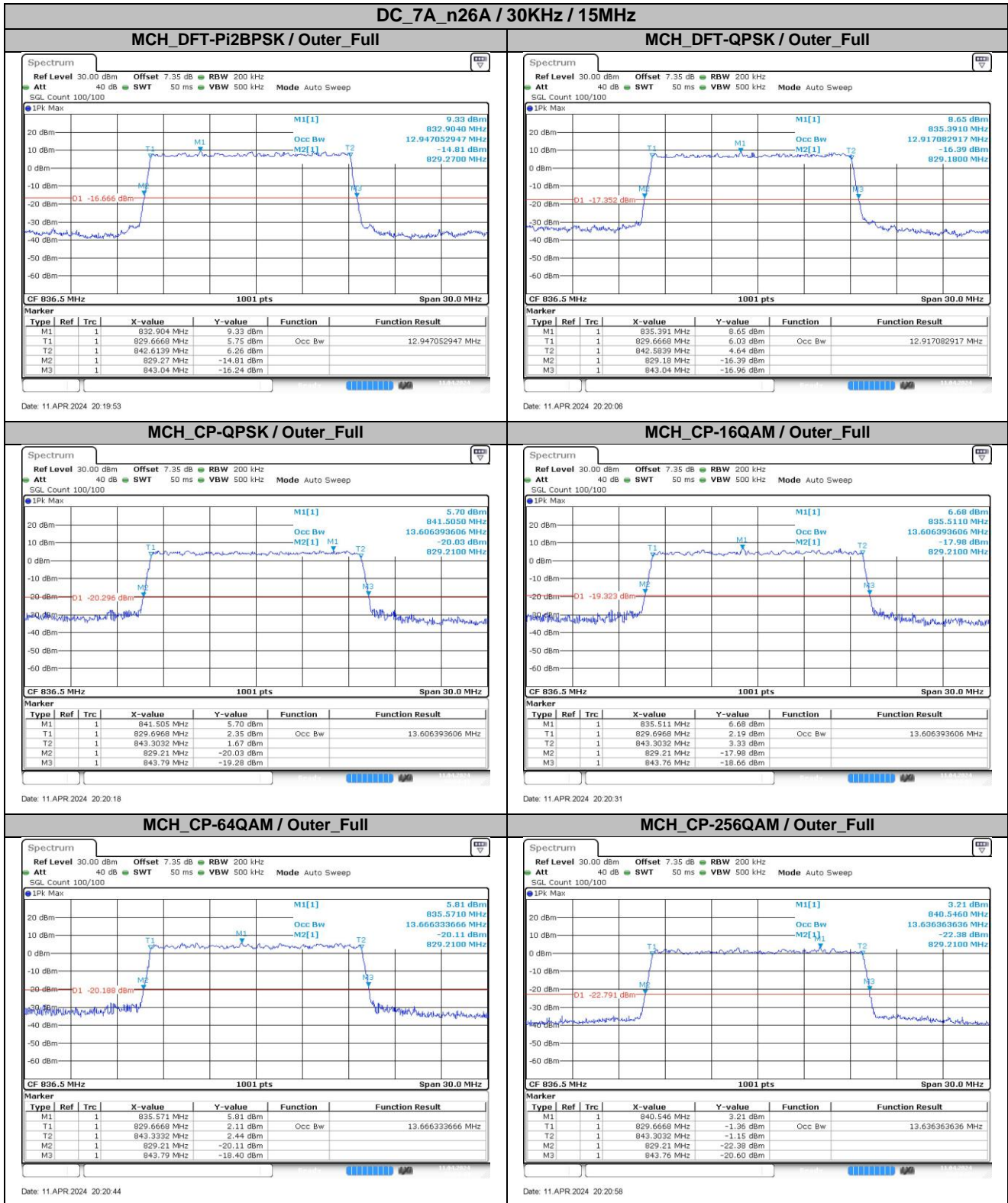
Date: 11.APR.2024 20:19:24

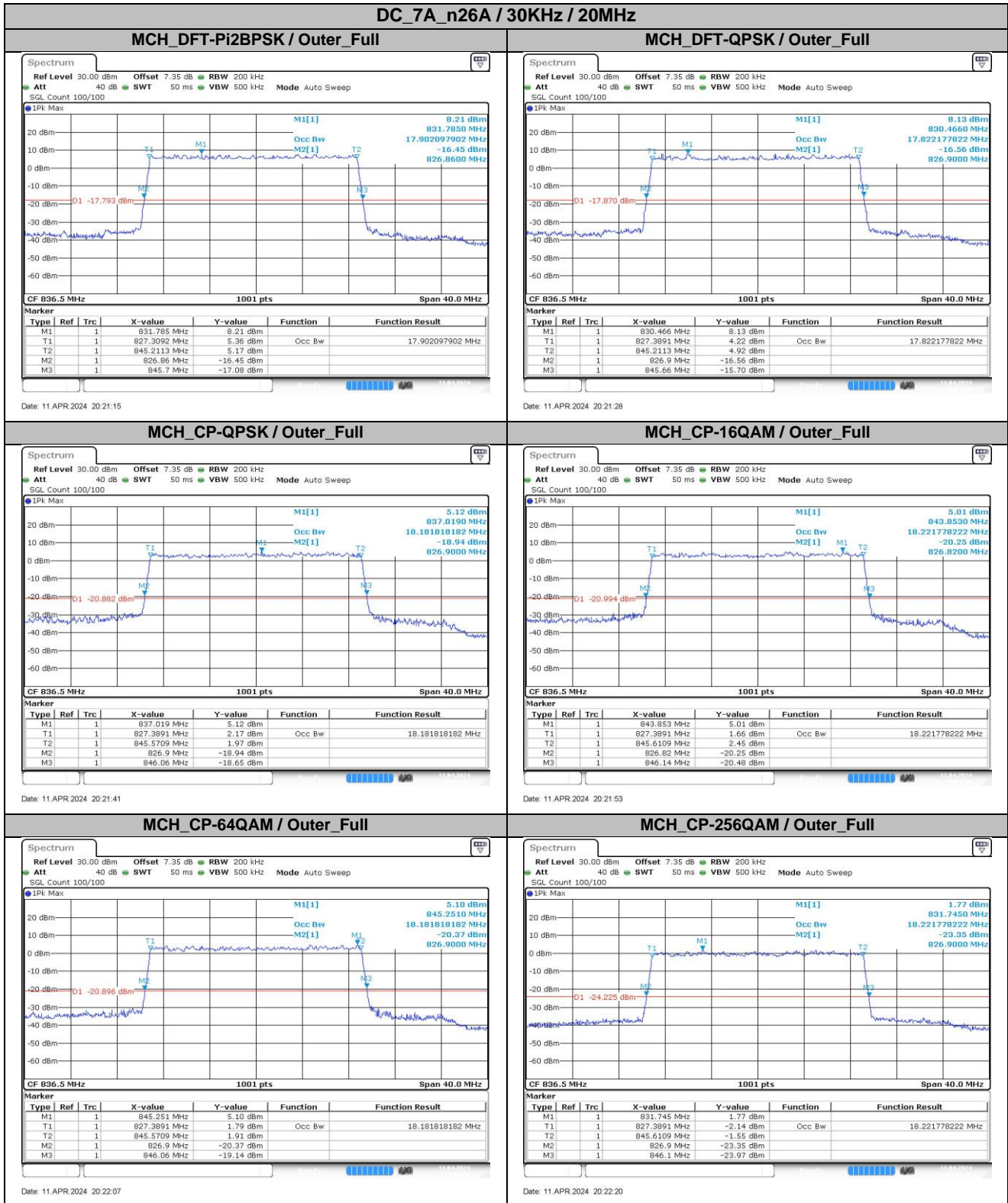
MCH\_CP-256QAM / Outer\_Full



Date: 11.APR.2024 20:19:37







### 5. Conducted Band Edges

#### 5.1. Test Plots

