

**Appendix  
for  
n71A  
(663-698)**

## Catalogue

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### 1. Effective Radiated Power

#### 1.1. Test Results @ Ant0 (Antenna Gain=-6.3dBi)

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	22.34	22.16	22.30	13.89	34.77	Pass
15KHz	5MHz	LCH	DFT-QPSK	22.11	22.01	22.23	13.78	34.77	Pass
15KHz	5MHz	LCH	DFT-16QAM	21.52	21.65	21.64	13.20	34.77	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.25	20.21	20.11	11.80	34.77	Pass
15KHz	5MHz	LCH	DFT-256QAM	17.78	17.92	18.12	9.67	34.77	Pass
15KHz	5MHz	LCH	CP-QPSK	21.03	21.12	21.03	12.67	34.77	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	22.57	22.20	22.26	14.12	34.77	Pass
15KHz	5MHz	MCH	DFT-QPSK	22.60	22.12	22.35	14.15	34.77	Pass
15KHz	5MHz	MCH	DFT-16QAM	21.73	21.74	21.97	13.52	34.77	Pass
15KHz	5MHz	MCH	DFT-64QAM	20.47	20.43	20.46	12.02	34.77	Pass
15KHz	5MHz	MCH	DFT-256QAM	18.12	18.16	18.47	10.02	34.77	Pass
15KHz	5MHz	MCH	CP-QPSK	21.28	21.30	21.43	12.98	34.77	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	22.77	22.23	22.46	14.32	34.77	Pass
15KHz	5MHz	HCH	DFT-QPSK	22.72	22.16	22.38	14.27	34.77	Pass
15KHz	5MHz	HCH	DFT-16QAM	21.77	21.83	21.94	13.49	34.77	Pass
15KHz	5MHz	HCH	DFT-64QAM	20.41	20.53	20.33	12.08	34.77	Pass
15KHz	5MHz	HCH	DFT-256QAM	18.10	18.16	18.37	9.92	34.77	Pass
15KHz	5MHz	HCH	CP-QPSK	21.19	21.36	21.35	12.91	34.77	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	22.24	22.11	22.33	13.88	34.77	Pass
15KHz	10MHz	LCH	DFT-QPSK	22.03	22.16	22.26	13.81	34.77	Pass
15KHz	10MHz	LCH	DFT-16QAM	21.48	21.60	21.56	13.15	34.77	Pass
15KHz	10MHz	LCH	DFT-64QAM	20.02	20.16	19.97	11.71	34.77	Pass
15KHz	10MHz	LCH	DFT-256QAM	17.70	17.83	18.06	9.61	34.77	Pass
15KHz	10MHz	LCH	CP-QPSK	20.95	21.04	20.99	12.59	34.77	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	22.34	22.44	22.30	13.99	34.77	Pass
15KHz	10MHz	MCH	DFT-QPSK	22.39	22.45	22.41	14.00	34.77	Pass
15KHz	10MHz	MCH	DFT-16QAM	21.98	22.11	21.77	13.66	34.77	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.33	20.49	20.17	12.04	34.77	Pass
15KHz	10MHz	MCH	DFT-256QAM	17.90	17.99	18.30	9.85	34.77	Pass
15KHz	10MHz	MCH	CP-QPSK	21.07	21.16	21.23	12.78	34.77	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	22.19	22.29	22.52	14.07	34.77	Pass
15KHz	10MHz	HCH	DFT-QPSK	22.20	22.29	22.48	14.03	34.77	Pass
15KHz	10MHz	HCH	DFT-16QAM	21.91	22.00	21.64	13.55	34.77	Pass
15KHz	10MHz	HCH	DFT-64QAM	20.25	20.36	20.10	11.91	34.77	Pass
15KHz	10MHz	HCH	DFT-256QAM	17.88	18.07	18.20	9.75	34.77	Pass
15KHz	10MHz	HCH	CP-QPSK	21.08	21.23	21.13	12.78	34.77	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	22.34	22.42	22.22	13.97	34.77	Pass
15KHz	15MHz	LCH	DFT-QPSK	22.30	22.67	22.38	14.22	34.77	Pass
15KHz	15MHz	LCH	DFT-16QAM	21.81	22.16	21.70	13.71	34.77	Pass
15KHz	15MHz	LCH	DFT-64QAM	20.31	20.46	20.17	12.01	34.77	Pass
15KHz	15MHz	LCH	DFT-256QAM	17.85	18.06	18.23	9.78	34.77	Pass
15KHz	15MHz	LCH	CP-QPSK	21.01	21.29	21.17	12.84	34.77	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	22.42	22.22	22.47	14.02	34.77	Pass
15KHz	15MHz	MCH	DFT-QPSK	22.52	22.21	22.59	14.14	34.77	Pass
15KHz	15MHz	MCH	DFT-16QAM	21.95	22.21	21.88	13.76	34.77	Pass
15KHz	15MHz	MCH	DFT-64QAM	20.40	20.48	20.35	12.03	34.77	Pass
15KHz	15MHz	MCH	DFT-256QAM	17.82	18.04	18.42	9.97	34.77	Pass
15KHz	15MHz	MCH	CP-QPSK	21.18	21.31	21.41	12.96	34.77	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	22.51	22.43	22.49	14.06	34.77	Pass
15KHz	15MHz	HCH	DFT-QPSK	22.59	22.45	22.45	14.14	34.77	Pass
15KHz	15MHz	HCH	DFT-16QAM	22.20	22.28	21.82	13.83	34.77	Pass
15KHz	15MHz	HCH	DFT-64QAM	20.64	20.65	20.29	12.20	34.77	Pass
15KHz	15MHz	HCH	DFT-256QAM	18.07	18.05	18.29	9.84	34.77	Pass
15KHz	15MHz	HCH	CP-QPSK	21.31	21.42	21.27	12.97	34.77	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	22.13	22.25	22.20	13.80	34.77	Pass
15KHz	20MHz	LCH	DFT-QPSK	22.10	22.12	22.32	13.87	34.77	Pass
15KHz	20MHz	LCH	DFT-16QAM	21.96	22.22	21.77	13.77	34.77	Pass
15KHz	20MHz	LCH	DFT-64QAM	20.34	20.42	20.23	11.97	34.77	Pass
15KHz	20MHz	LCH	DFT-256QAM	17.68	18.06	18.27	9.82	34.77	Pass

15KHz	20MHz	LCH	CP-QPSK	20.99	21.25	21.24	12.80	34.77	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	22.08	22.02	22.40	13.95	34.77	Pass
15KHz	20MHz	MCH	DFT-QPSK	22.12	22.02	22.49	14.04	34.77	Pass
15KHz	20MHz	MCH	DFT-16QAM	22.01	22.12	21.85	13.67	34.77	Pass
15KHz	20MHz	MCH	DFT-64QAM	20.27	20.49	20.38	12.04	34.77	Pass
15KHz	20MHz	MCH	DFT-256QAM	17.68	18.03	18.41	9.96	34.77	Pass
15KHz	20MHz	MCH	CP-QPSK	21.04	21.11	21.34	12.89	34.77	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	22.42	22.12	22.44	13.99	34.77	Pass
15KHz	20MHz	HCH	DFT-QPSK	22.51	22.14	22.39	14.06	34.77	Pass
15KHz	20MHz	HCH	DFT-16QAM	22.17	22.27	21.85	13.82	34.77	Pass
15KHz	20MHz	HCH	DFT-64QAM	20.53	20.64	20.33	12.19	34.77	Pass
15KHz	20MHz	HCH	DFT-256QAM	18.01	18.06	18.39	9.94	34.77	Pass
15KHz	20MHz	HCH	CP-QPSK	21.25	21.29	21.32	12.87	34.77	Pass
30KHz	10MHz	LCH	DFT-Pi2BPSK	22.33	22.06	22.38	13.93	34.77	Pass
30KHz	10MHz	LCH	DFT-QPSK	22.34	22.23	22.36	13.91	34.77	Pass
30KHz	10MHz	LCH	DFT-16QAM	21.94	22.09	21.76	13.64	34.77	Pass
30KHz	10MHz	LCH	DFT-64QAM	20.25	20.35	20.15	11.90	34.77	Pass
30KHz	10MHz	LCH	DFT-256QAM	17.69	17.87	18.17	9.72	34.77	Pass
30KHz	10MHz	LCH	CP-QPSK	20.98	21.17	21.14	12.72	34.77	Pass
30KHz	10MHz	MCH	DFT-Pi2BPSK	22.50	22.59	22.41	14.14	34.77	Pass
30KHz	10MHz	MCH	DFT-QPSK	22.59	22.61	22.53	14.16	34.77	Pass
30KHz	10MHz	MCH	DFT-16QAM	22.17	22.15	21.98	13.72	34.77	Pass
30KHz	10MHz	MCH	DFT-64QAM	20.44	20.46	20.40	12.01	34.77	Pass
30KHz	10MHz	MCH	DFT-256QAM	17.94	18.03	18.45	10.00	34.77	Pass
30KHz	10MHz	MCH	CP-QPSK	21.23	21.29	21.48	13.03	34.77	Pass
30KHz	10MHz	HCH	DFT-Pi2BPSK	22.34	22.56	22.64	14.19	34.77	Pass
30KHz	10MHz	HCH	DFT-QPSK	22.33	22.56	22.64	14.19	34.77	Pass
30KHz	10MHz	HCH	DFT-16QAM	22.13	22.24	21.90	13.79	34.77	Pass
30KHz	10MHz	HCH	DFT-64QAM	20.42	20.61	20.28	12.16	34.77	Pass
30KHz	10MHz	HCH	DFT-256QAM	17.84	18.00	18.32	9.87	34.77	Pass
30KHz	10MHz	HCH	CP-QPSK	21.19	21.32	21.40	12.95	34.77	Pass
30KHz	15MHz	LCH	DFT-Pi2BPSK	22.49	22.43	22.20	14.04	34.77	Pass
30KHz	15MHz	LCH	DFT-QPSK	22.51	22.64	22.33	14.19	34.77	Pass
30KHz	15MHz	LCH	DFT-16QAM	21.89	22.05	21.70	13.60	34.77	Pass
30KHz	15MHz	LCH	DFT-64QAM	20.22	20.49	20.23	12.04	34.77	Pass
30KHz	15MHz	LCH	DFT-256QAM	17.73	17.96	18.18	9.73	34.77	Pass
30KHz	15MHz	LCH	CP-QPSK	21.00	21.21	21.24	12.79	34.77	Pass
30KHz	15MHz	MCH	DFT-Pi2BPSK	22.48	22.32	22.45	14.03	34.77	Pass
30KHz	15MHz	MCH	DFT-QPSK	22.55	22.32	22.57	14.12	34.77	Pass
30KHz	15MHz	MCH	DFT-16QAM	21.92	22.03	21.87	13.58	34.77	Pass
30KHz	15MHz	MCH	DFT-64QAM	20.40	20.50	20.41	12.05	34.77	Pass
30KHz	15MHz	MCH	DFT-256QAM	17.85	17.94	18.40	9.95	34.77	Pass
30KHz	15MHz	MCH	CP-QPSK	21.13	21.19	21.43	12.98	34.77	Pass
30KHz	15MHz	HCH	DFT-Pi2BPSK	22.71	22.59	22.47	14.26	34.77	Pass
30KHz	15MHz	HCH	DFT-QPSK	22.68	22.58	22.42	14.23	34.77	Pass
30KHz	15MHz	HCH	DFT-16QAM	22.04	22.10	21.82	13.65	34.77	Pass
30KHz	15MHz	HCH	DFT-64QAM	20.51	20.54	20.31	12.09	34.77	Pass
30KHz	15MHz	HCH	DFT-256QAM	17.97	18.02	18.30	9.85	34.77	Pass
30KHz	15MHz	HCH	CP-QPSK	21.27	21.25	21.37	12.92	34.77	Pass
30KHz	20MHz	LCH	DFT-Pi2BPSK	22.33	22.01	22.22	13.88	34.77	Pass
30KHz	20MHz	LCH	DFT-QPSK	22.33	22.13	22.31	13.88	34.77	Pass
30KHz	20MHz	LCH	DFT-16QAM	21.79	22.04	21.69	13.59	34.77	Pass
30KHz	20MHz	LCH	DFT-64QAM	20.26	20.61	20.19	12.16	34.77	Pass
30KHz	20MHz	LCH	DFT-256QAM	17.64	18.05	18.24	9.79	34.77	Pass
30KHz	20MHz	LCH	CP-QPSK	20.96	21.28	21.19	12.83	34.77	Pass
30KHz	20MHz	MCH	DFT-Pi2BPSK	22.06	22.04	22.38	13.93	34.77	Pass
30KHz	20MHz	MCH	DFT-QPSK	22.14	22.06	22.47	14.02	34.77	Pass
30KHz	20MHz	MCH	DFT-16QAM	21.89	21.95	21.88	13.50	34.77	Pass
30KHz	20MHz	MCH	DFT-64QAM	20.35	20.47	20.29	12.02	34.77	Pass
30KHz	20MHz	MCH	DFT-256QAM	17.76	17.86	18.38	9.93	34.77	Pass
30KHz	20MHz	MCH	CP-QPSK	21.08	21.10	21.33	12.88	34.77	Pass
30KHz	20MHz	HCH	DFT-Pi2BPSK	22.41	22.29	22.42	13.97	34.77	Pass
30KHz	20MHz	HCH	DFT-QPSK	22.49	22.27	22.39	14.04	34.77	Pass
30KHz	20MHz	HCH	DFT-16QAM	22.07	22.02	21.89	13.62	34.77	Pass

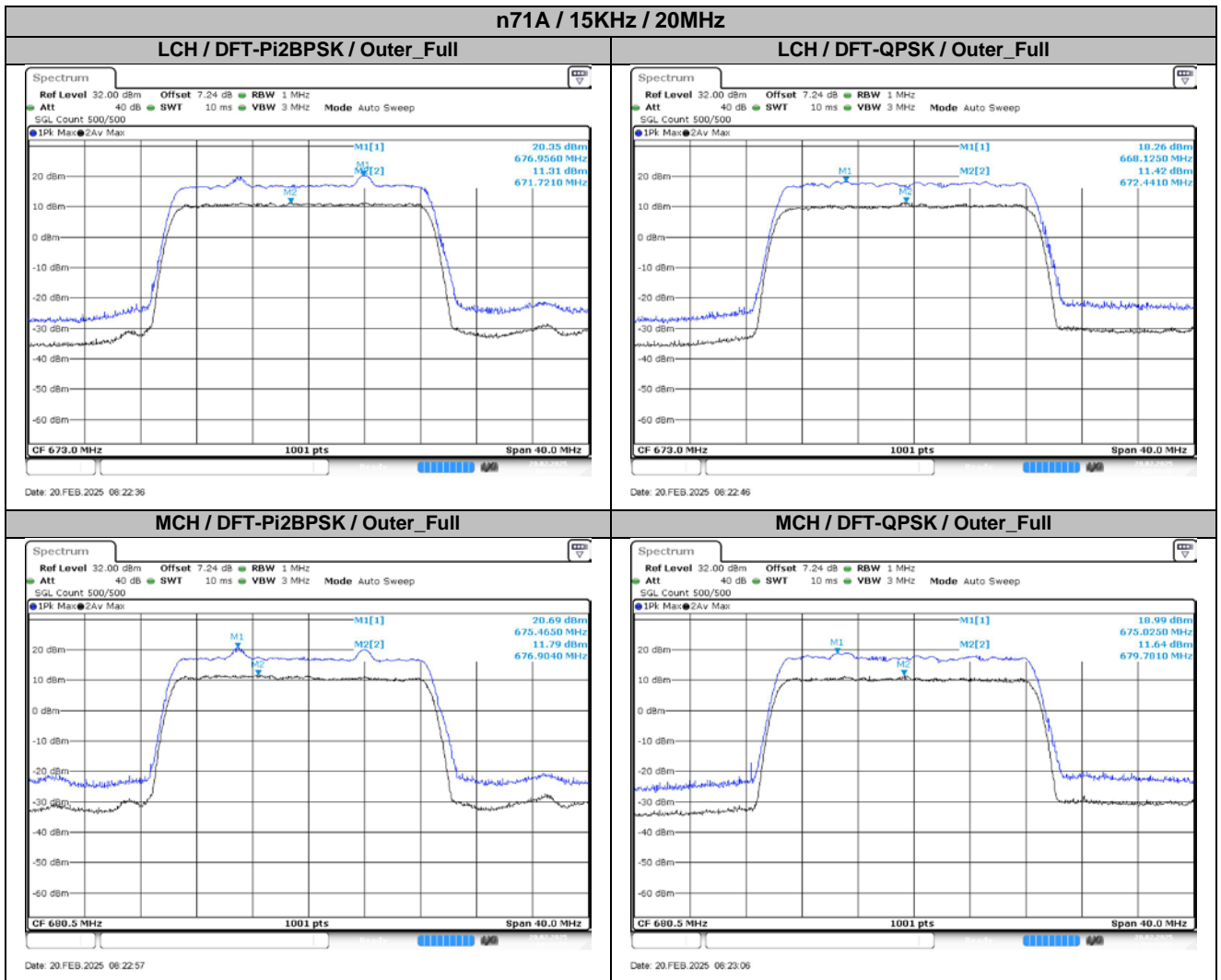
30KHz	20MHz	HCH	DFT-64QAM	20.56	20.54	20.28	12.11	34.77	Pass
30KHz	20MHz	HCH	DFT-256QAM	17.91	17.97	18.41	9.96	34.77	Pass
30KHz	20MHz	HCH	CP-QPSK	21.24	21.28	21.36	12.91	34.77	Pass

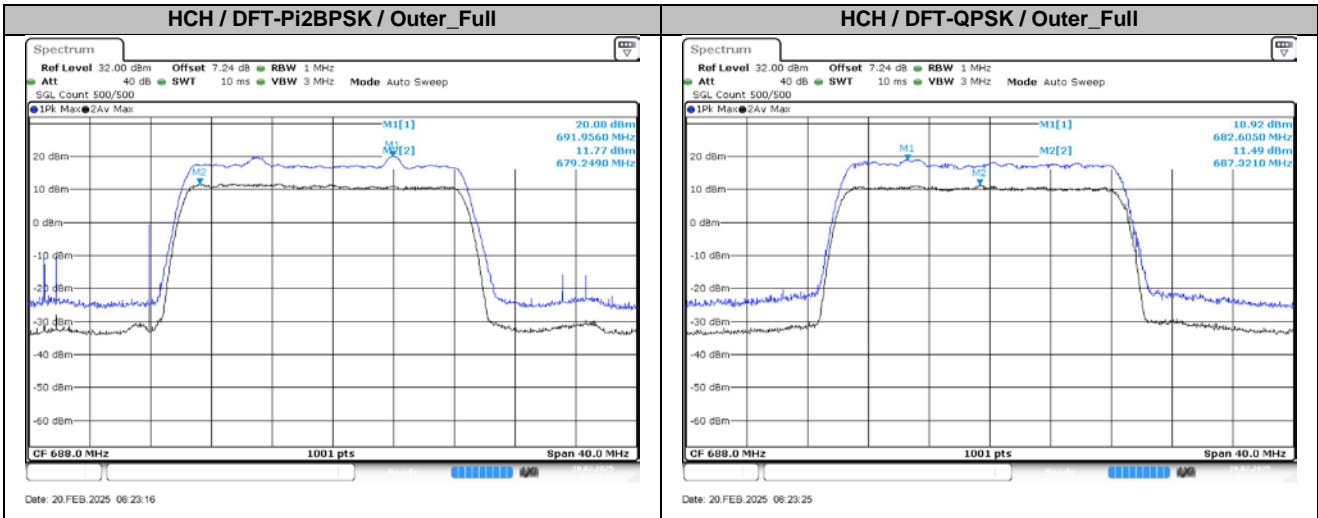
## 2. Peak-to-Average Ratio

### 2.1. Test Results

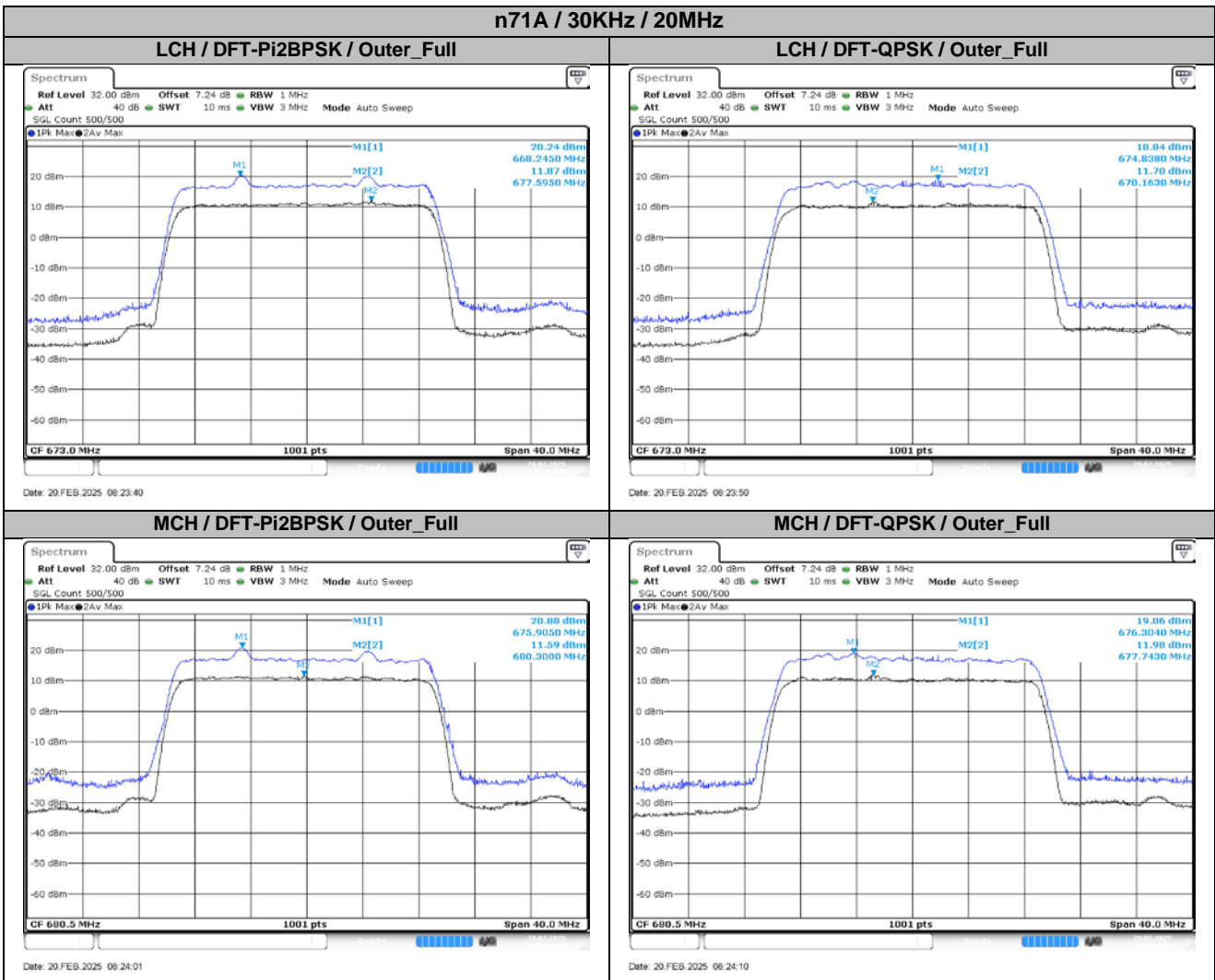
Channel	RB	Result (dB)				Limit (dB)	Verdict
		15KHz / 20MHz		30KHz / 20MHz			
		DFT-Pi2BPSK	DFT-QPSK	DFT-Pi2BPSK	DFT-QPSK		
LCH	Outer_Full	9.04	6.84	8.37	7.15	13.00	Pass
MCH	Outer_Full	8.90	7.34	9.30	7.08	13.00	Pass
HCH	Outer_Full	8.31	7.43	8.96	7.22	13.00	Pass

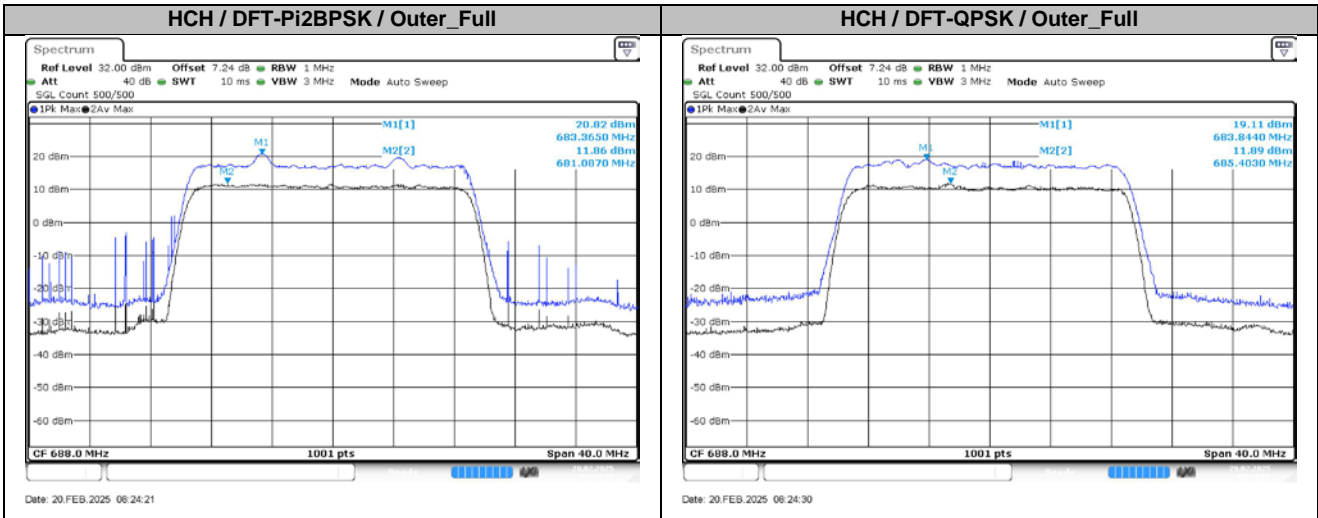
### 2.2. Test Plots for SCS=15KHz





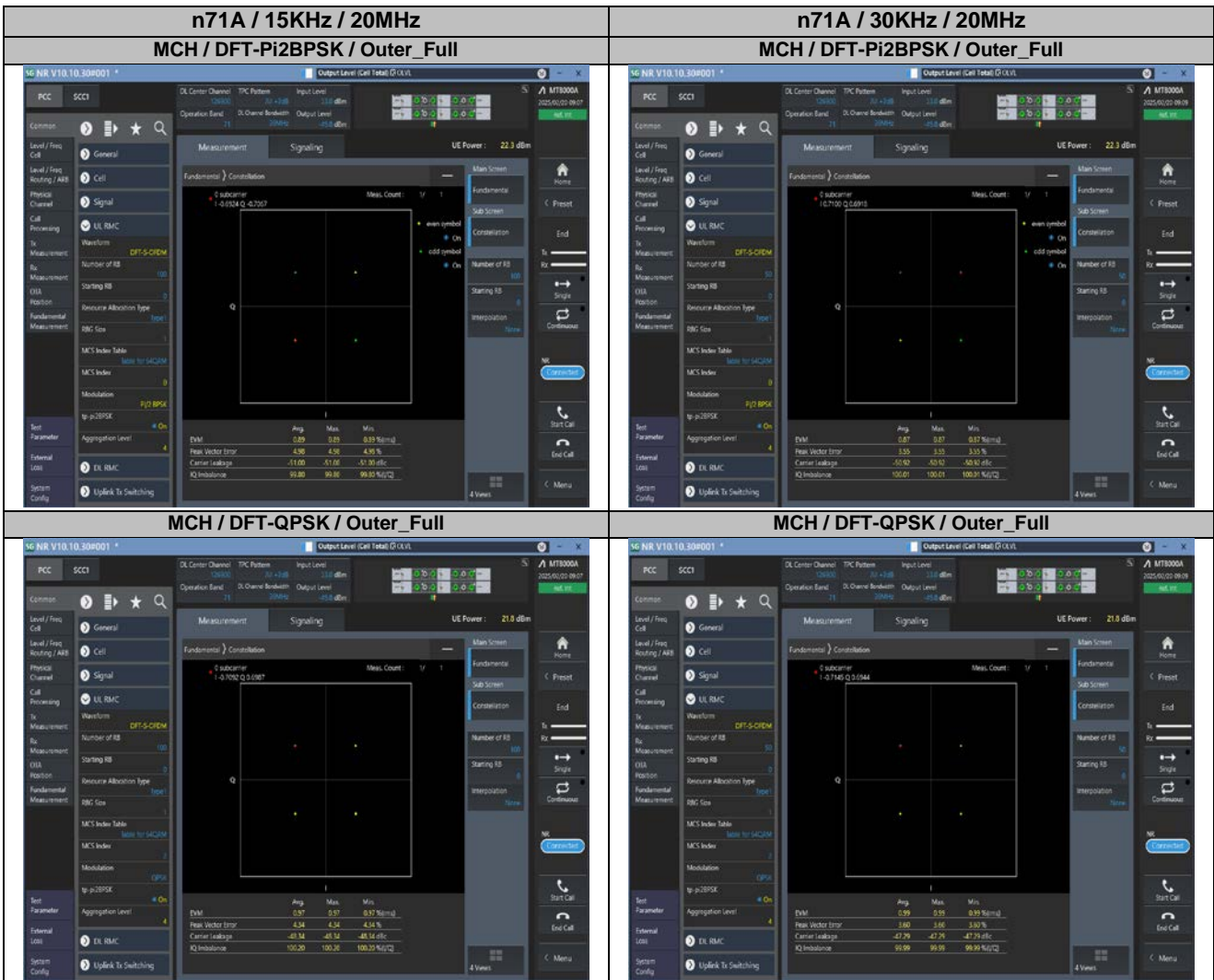
2.3. Test Plots for SCS=30KHz



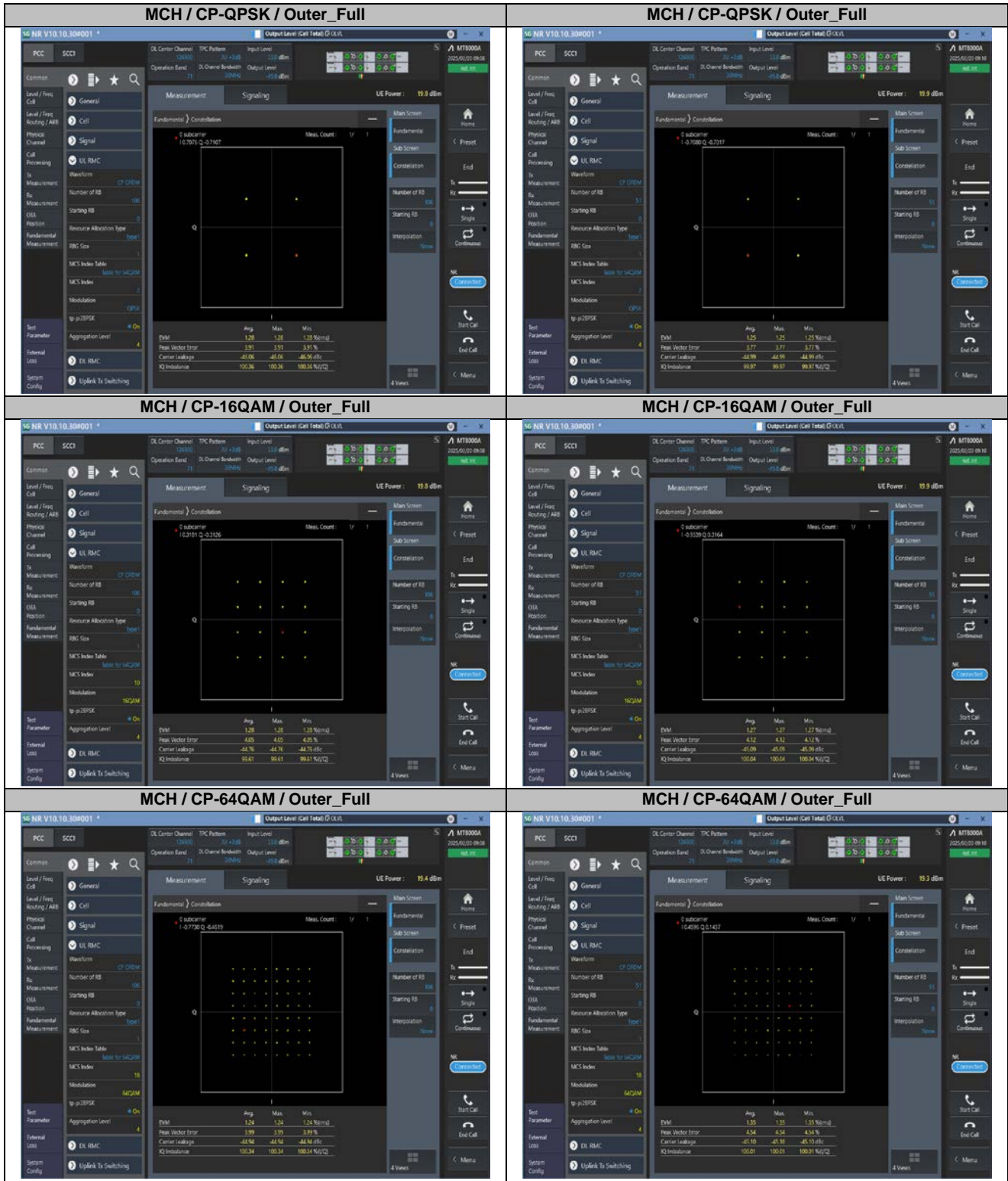


### 3. Modulation Characteristics

#### 3.1. Test Plots







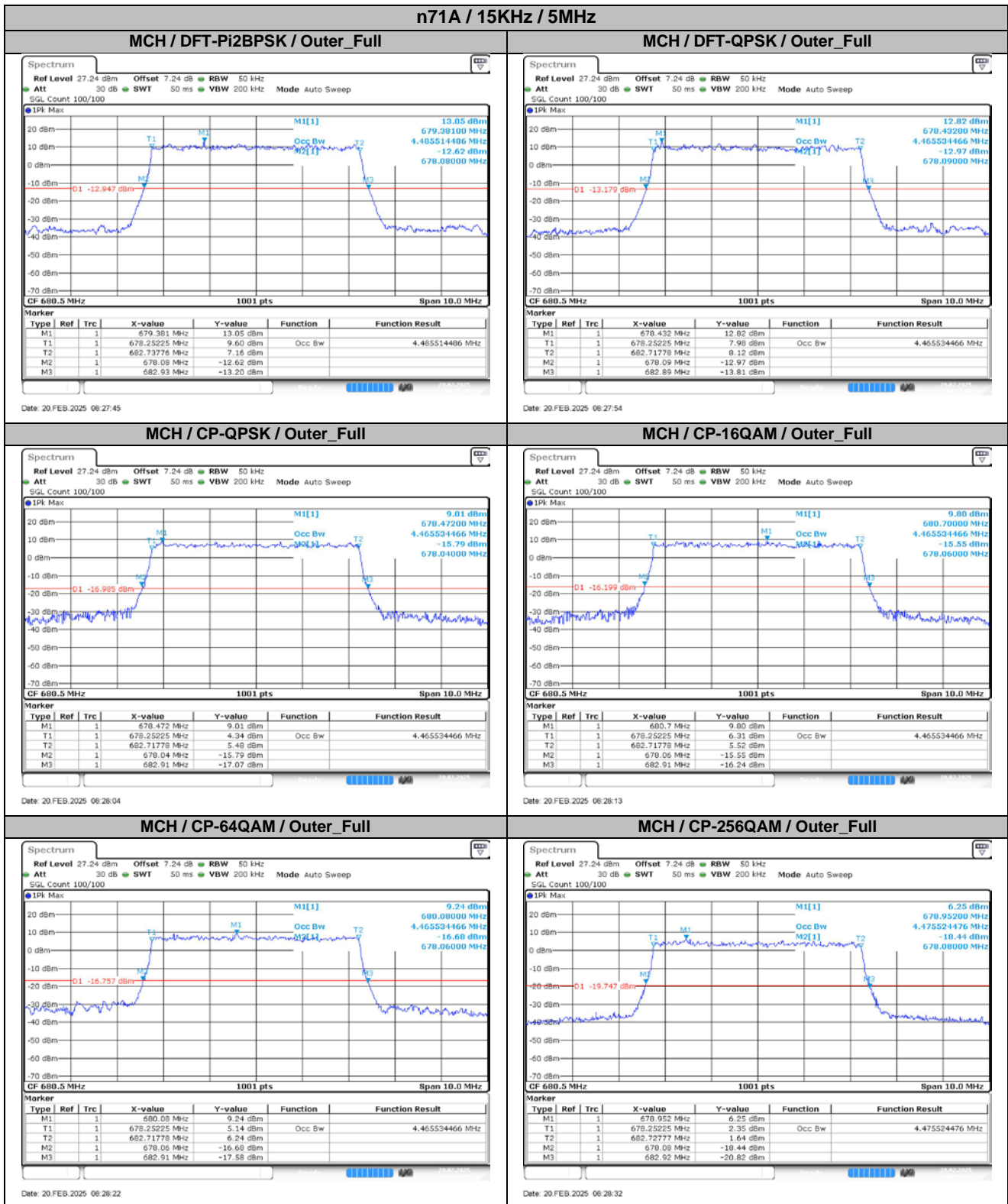


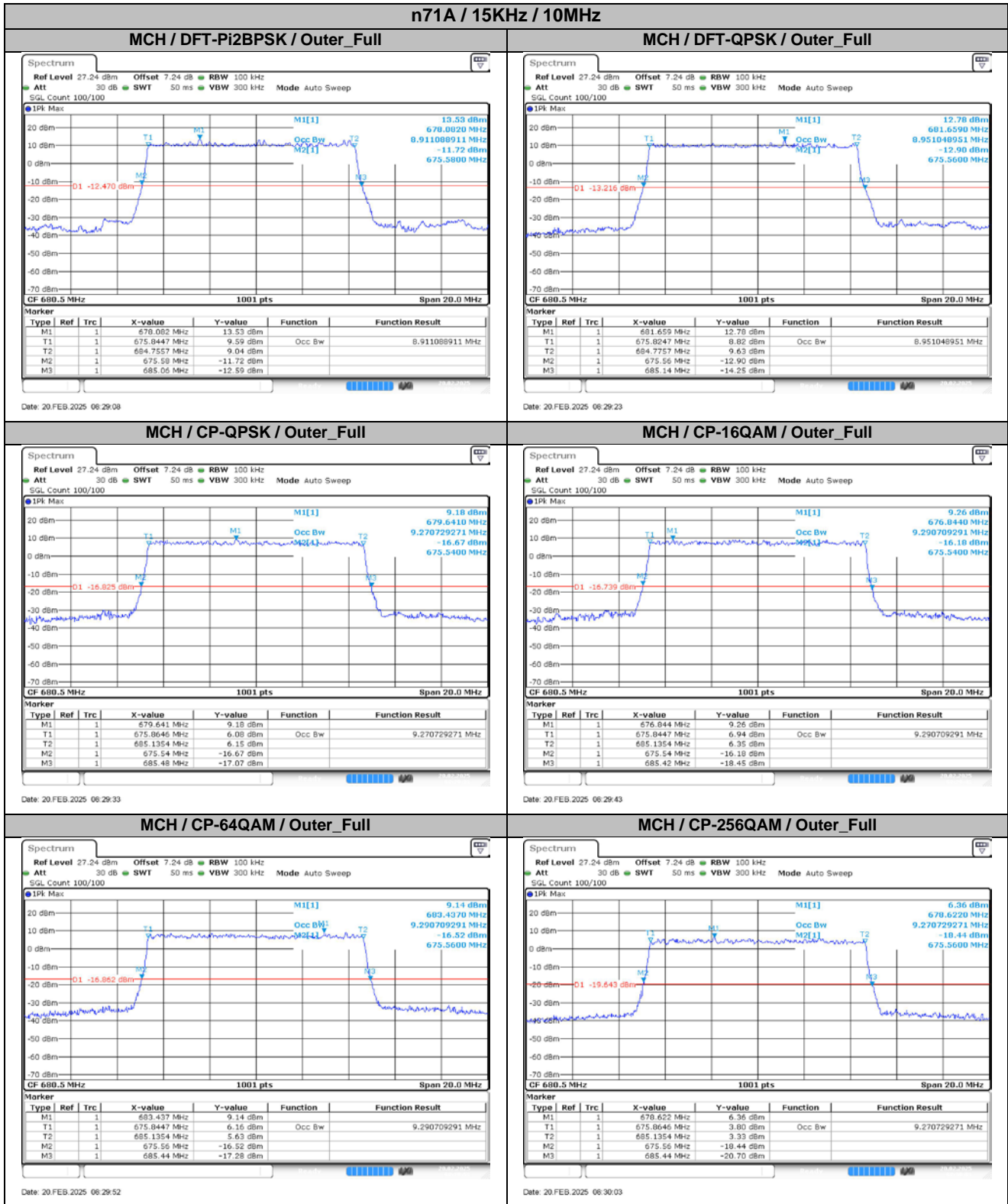
### 4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

#### 4.1. Test Results

Bandwidth	Modulation	RB	99% Occupied Bandwidth (MHz)		26dB Emission Bandwidth (MHz)		Verdict
			15KHz	30KHz	15KHz	30KHz	
5MHz	DFT-Pi2BPSK	Outer_Full	4.49	N/A	4.85	N/A	Pass
5MHz	DFT-QPSK	Outer_Full	4.47	N/A	4.80	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	4.85	N/A	Pass
5MHz	CP-64QAM	Outer_Full	4.47	N/A	4.85	N/A	Pass
5MHz	CP-256QAM	Outer_Full	4.48	N/A	4.84	N/A	Pass
10MHz	DFT-Pi2BPSK	Outer_Full	8.91	8.57	9.48	9.34	Pass
10MHz	DFT-QPSK	Outer_Full	8.95	8.57	9.58	9.36	Pass
10MHz	CP-QPSK	Outer_Full	9.27	8.59	9.94	9.62	Pass
10MHz	CP-16QAM	Outer_Full	9.29	8.63	9.88	9.62	Pass
10MHz	CP-64QAM	Outer_Full	9.29	8.59	9.88	9.48	Pass
10MHz	CP-256QAM	Outer_Full	9.27	8.59	9.88	9.56	Pass
15MHz	DFT-Pi2BPSK	Outer_Full	13.43	12.92	14.34	14.04	Pass
15MHz	DFT-QPSK	Outer_Full	13.40	12.86	14.28	14.07	Pass
15MHz	CP-QPSK	Outer_Full	14.06	13.58	14.97	14.73	Pass
15MHz	CP-16QAM	Outer_Full	14.09	13.58	14.91	14.73	Pass
15MHz	CP-64QAM	Outer_Full	14.09	13.58	14.88	14.79	Pass
15MHz	CP-256QAM	Outer_Full	14.12	13.55	14.94	14.79	Pass
20MHz	DFT-Pi2BPSK	Outer_Full	17.86	17.82	19.12	19.08	Pass
20MHz	DFT-QPSK	Outer_Full	17.86	17.94	19.04	19.36	Pass
20MHz	CP-QPSK	Outer_Full	18.90	18.22	20.00	19.52	Pass
20MHz	CP-16QAM	Outer_Full	18.86	18.18	20.04	19.44	Pass
20MHz	CP-64QAM	Outer_Full	18.90	18.22	20.00	19.60	Pass
20MHz	CP-256QAM	Outer_Full	18.90	18.18	19.88	19.60	Pass

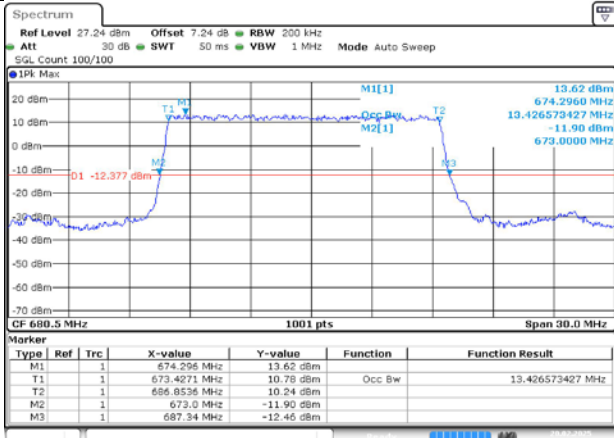
4.2. Test Plots for SCS=15KHz





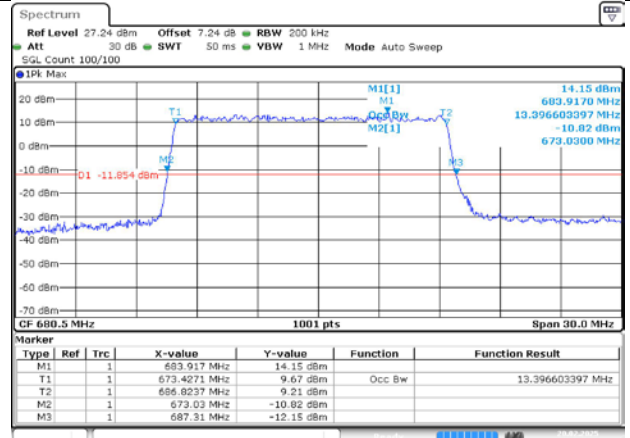
n71A / 15KHz / 15MHz

MCH / DFT-Pi2BPSK / Outer\_Full



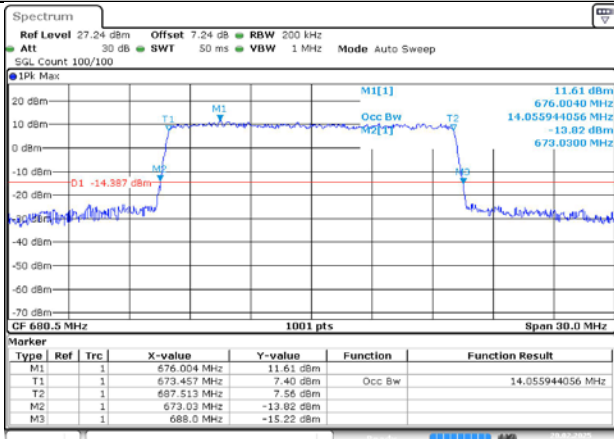
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MCH / DFT-QPSK / Outer\_Full



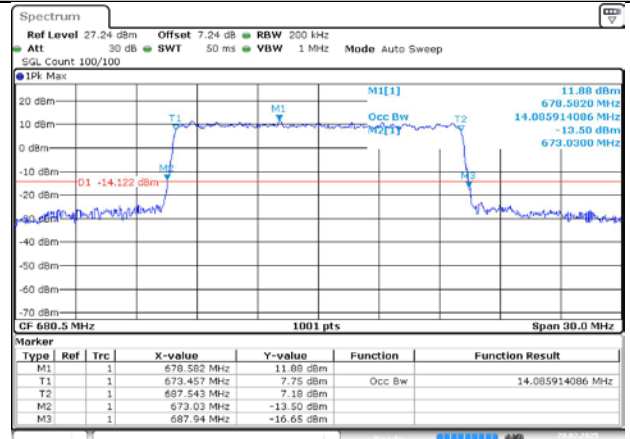
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MCH / CP-QPSK / Outer\_Full



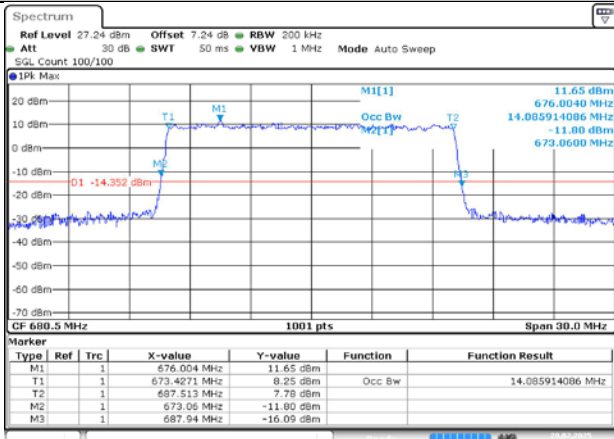
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MCH / CP-16QAM / Outer\_Full



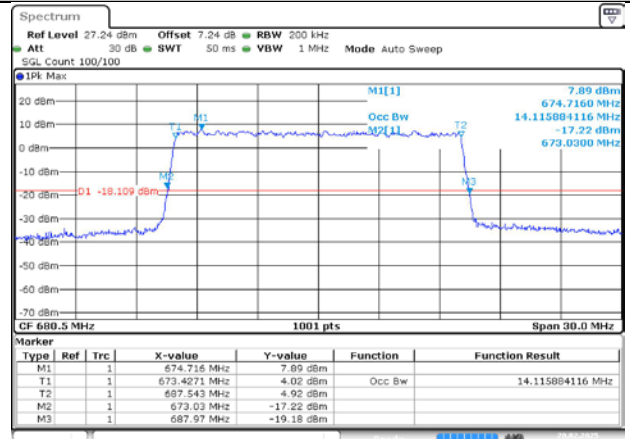
Date: 20.FEB.2025 06:30:47

MCH / CP-64QAM / Outer\_Full

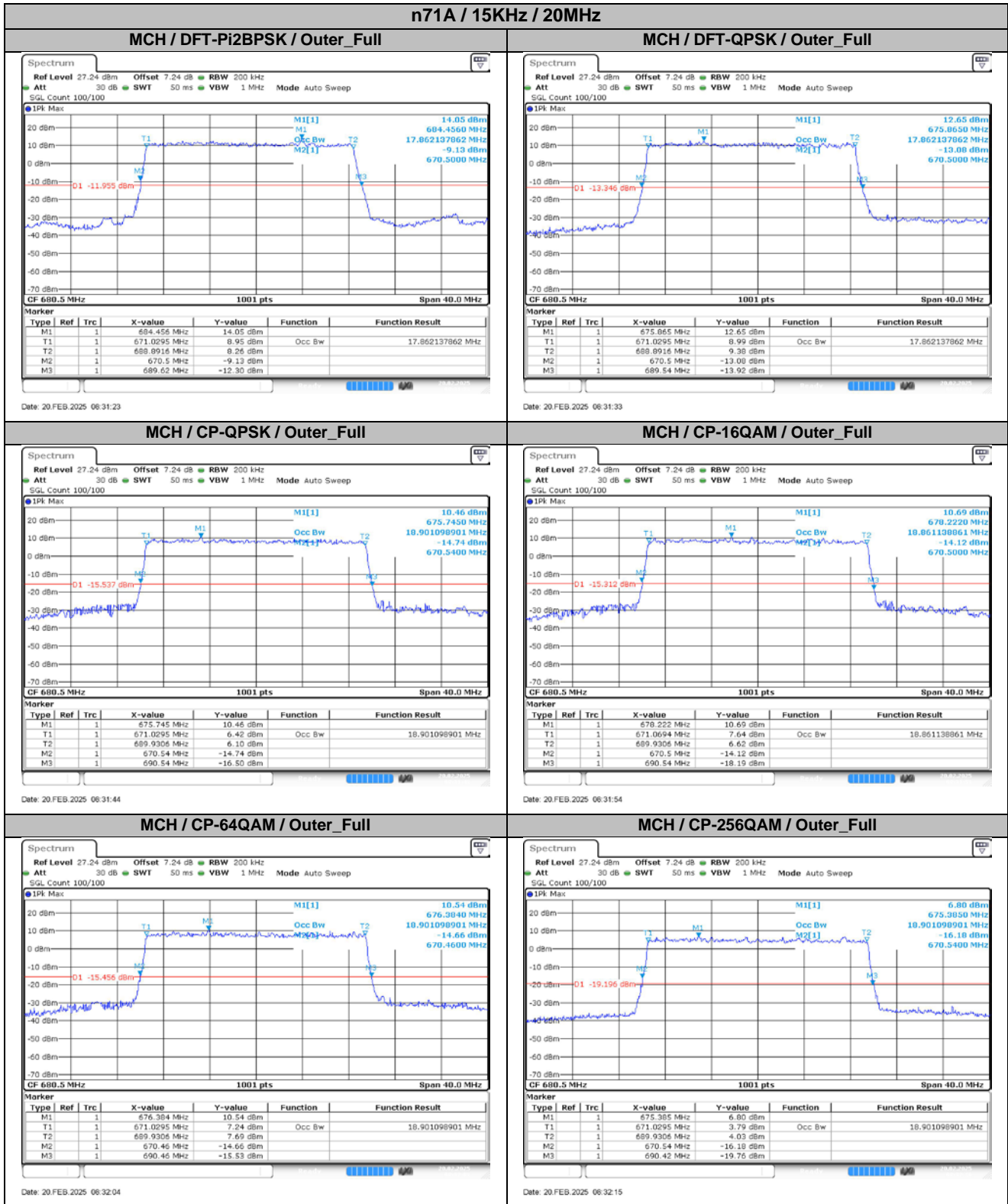


Date: 20.FEB.2025 06:30:57

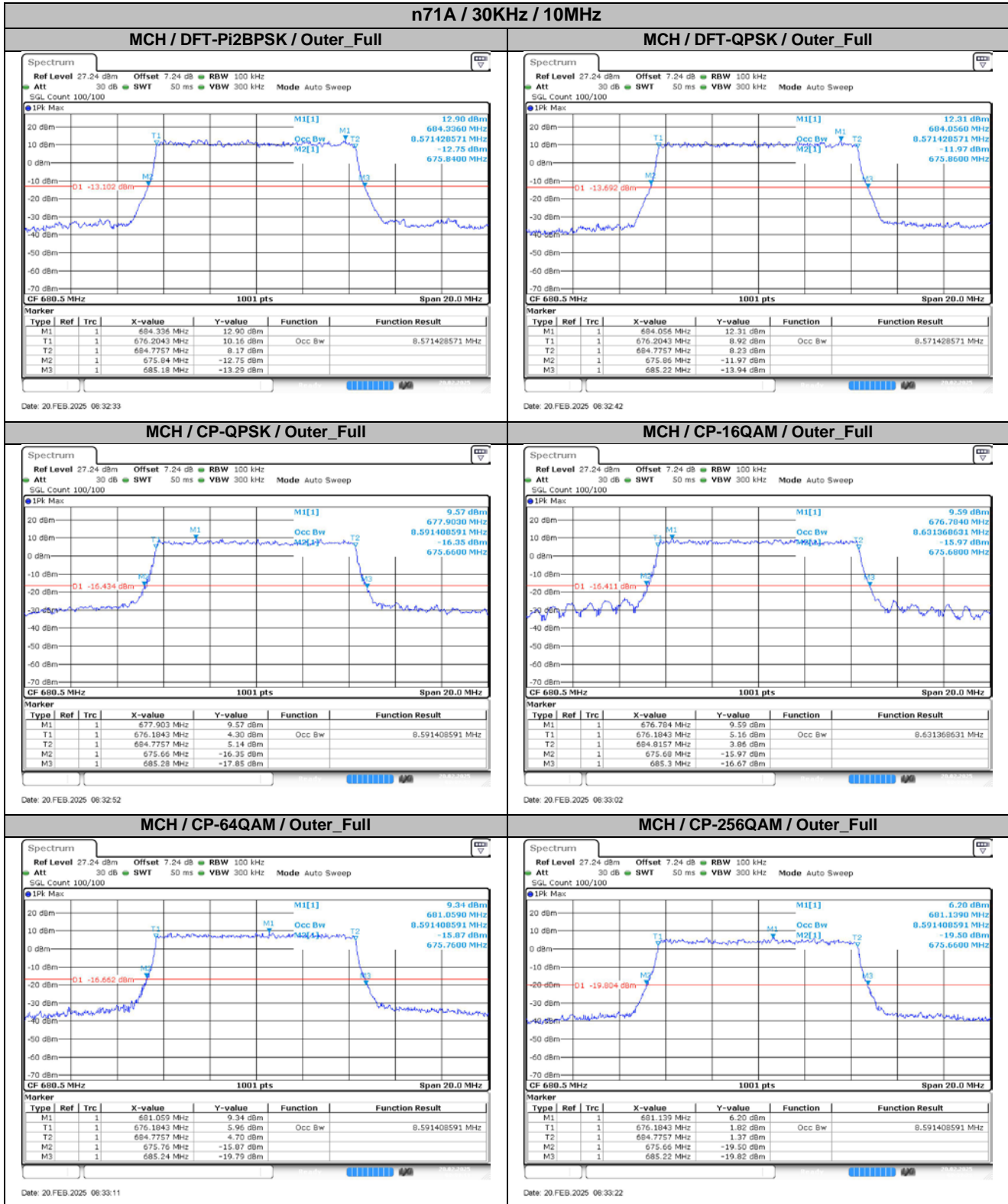
MCH / CP-256QAM / Outer\_Full



Date: 20.FEB.2025 06:31:08

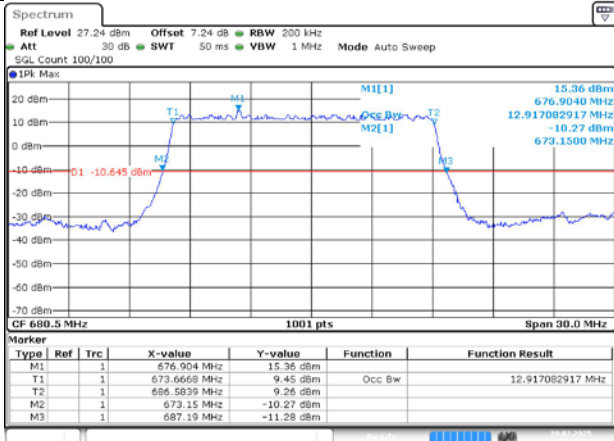


4.3. Test Plots for SCS=30KHz



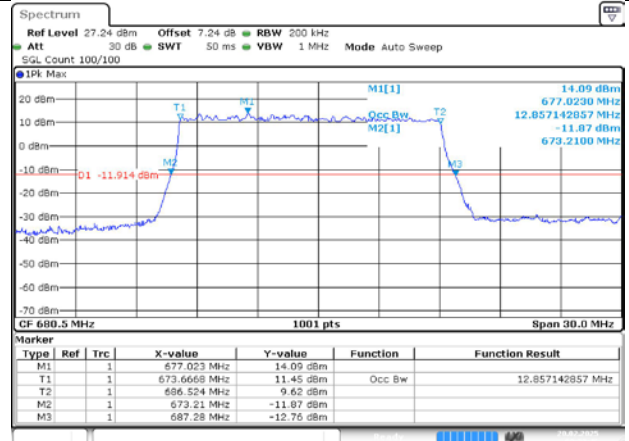
n71A / 30KHz / 15MHz

MCH / DFT-Pi2BPSK / Outer\_Full



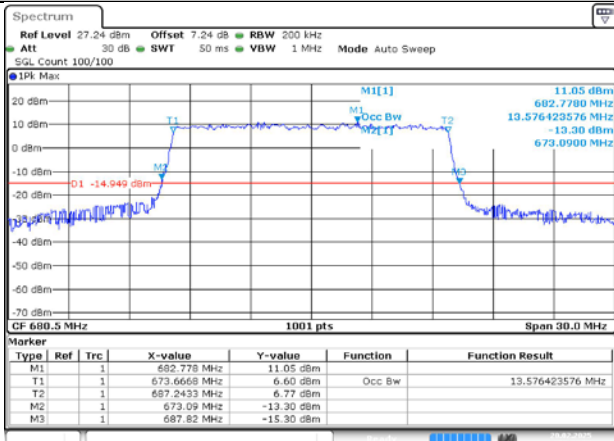
Date: 20.FEB.2025 06:33:36

MCH / DFT-QPSK / Outer\_Full



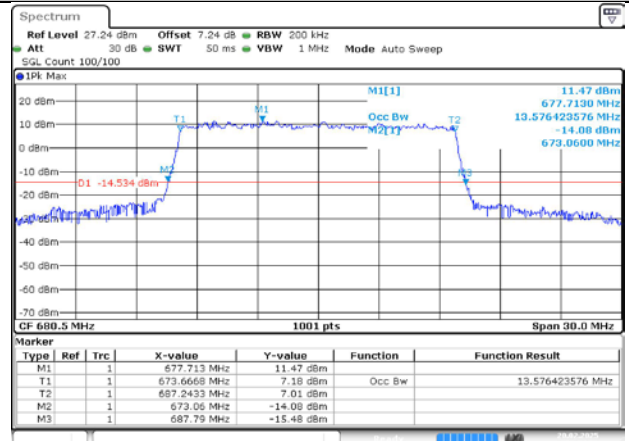
Date: 20.FEB.2025 06:33:46

MCH / CP-QPSK / Outer\_Full



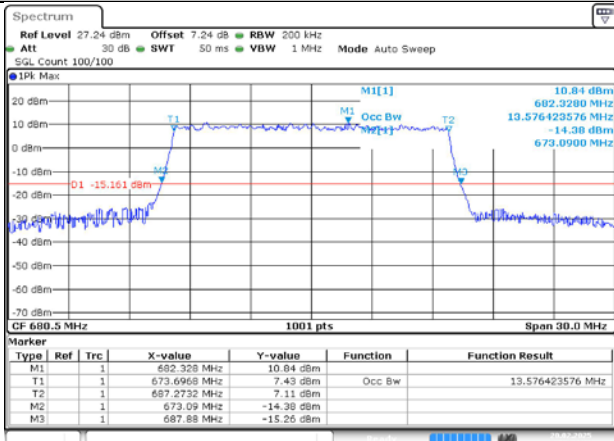
Date: 20.FEB.2025 06:33:57

MCH / CP-16QAM / Outer\_Full



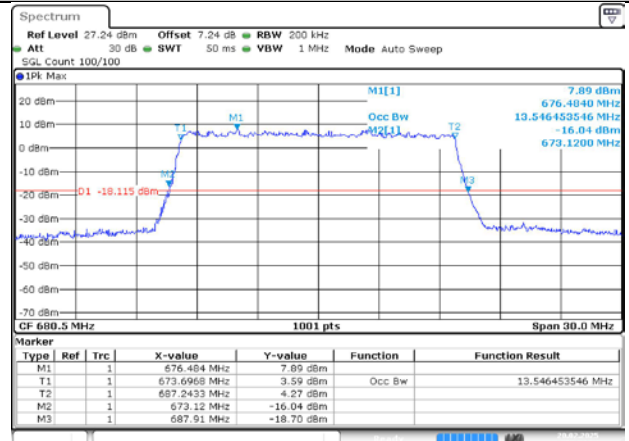
Date: 20.FEB.2025 06:34:06

MCH / CP-64QAM / Outer\_Full

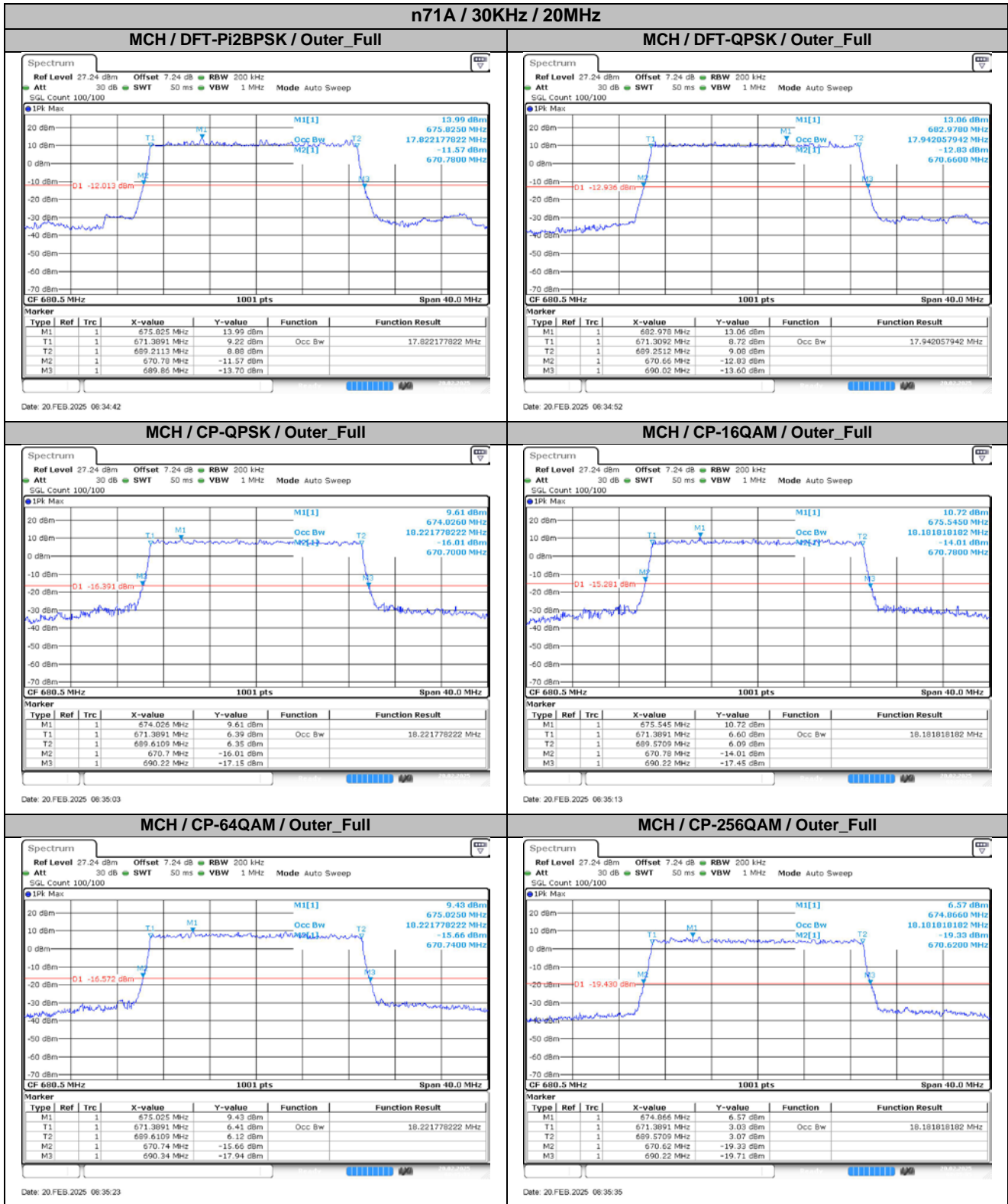


Date: 20.FEB.2025 06:34:16

MCH / CP-256QAM / Outer\_Full



Date: 20.FEB.2025 06:34:28



### 5. Conducted Band Edges

#### 5.1. Test Plots for SCS=15KHz

