

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

Catalogue

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1. Effective Radiated Power

1.1. Test Results @ Ant0 (Antenna Gain=-5.00dBi)

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	22.96	23.00	15.86	33.00	Pass
15KHz	5MHz	LCH	DFT-QPSK	23.05	23.00	23.01	15.90	33.00	Pass
15KHz	5MHz	LCH	DFT-16QAM	21.96	21.92	22.07	14.92	33.00	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.68	20.66	20.62	13.53	33.00	Pass
15KHz	5MHz	LCH	DFT-256QAM	17.95	17.92	18.56	11.41	33.00	Pass
15KHz	5MHz	LCH	CP-QPSK	21.47	21.46	21.57	14.42	33.00	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	22.89	22.90	22.88	15.75	33.00	Pass
15KHz	5MHz	MCH	DFT-QPSK	22.95	22.85	22.96	15.81	33.00	Pass
15KHz	5MHz	MCH	DFT-16QAM	21.94	21.85	22.02	14.87	33.00	Pass
15KHz	5MHz	MCH	DFT-64QAM	20.62	20.52	20.52	13.47	33.00	Pass
15KHz	5MHz	MCH	DFT-256QAM	17.89	17.87	18.39	11.24	33.00	Pass
15KHz	5MHz	MCH	CP-QPSK	21.47	21.39	21.52	14.37	33.00	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	22.62	22.62	22.67	15.52	33.00	Pass
15KHz	5MHz	HCH	DFT-QPSK	22.70	22.58	22.60	15.55	33.00	Pass
15KHz	5MHz	HCH	DFT-16QAM	21.63	21.58	21.73	14.58	33.00	Pass
15KHz	5MHz	HCH	DFT-64QAM	20.29	20.24	20.17	13.14	33.00	Pass
15KHz	5MHz	HCH	DFT-256QAM	17.61	17.55	18.10	10.95	33.00	Pass
15KHz	5MHz	HCH	CP-QPSK	21.10	21.03	21.20	14.05	33.00	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	22.97	22.91	23.02	15.87	33.00	Pass
15KHz	10MHz	LCH	DFT-QPSK	23.00	22.90	23.02	15.87	33.00	Pass
15KHz	10MHz	LCH	DFT-16QAM	21.97	21.84	21.95	14.82	33.00	Pass
15KHz	10MHz	LCH	DFT-64QAM	20.74	20.64	20.57	13.59	33.00	Pass
15KHz	10MHz	LCH	DFT-256QAM	18.00	17.90	18.44	11.29	33.00	Pass
15KHz	10MHz	LCH	CP-QPSK	21.49	21.36	21.38	14.34	33.00	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	22.93	22.91	22.98	15.83	33.00	Pass
15KHz	10MHz	MCH	DFT-QPSK	22.96	22.98	22.93	15.83	33.00	Pass
15KHz	10MHz	MCH	DFT-16QAM	21.95	21.88	21.95	14.80	33.00	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.63	20.55	20.43	13.48	33.00	Pass
15KHz	10MHz	MCH	DFT-256QAM	17.89	17.93	18.35	11.20	33.00	Pass
15KHz	10MHz	MCH	CP-QPSK	21.39	21.35	21.40	14.25	33.00	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	22.71	22.62	22.68	15.56	33.00	Pass
15KHz	10MHz	HCH	DFT-QPSK	22.83	22.66	22.70	15.68	33.00	Pass
15KHz	10MHz	HCH	DFT-16QAM	21.82	21.68	21.75	14.67	33.00	Pass
15KHz	10MHz	HCH	DFT-64QAM	20.42	20.23	20.22	13.27	33.00	Pass
15KHz	10MHz	HCH	DFT-256QAM	17.71	17.51	18.06	10.91	33.00	Pass
15KHz	10MHz	HCH	CP-QPSK	21.37	21.08	21.12	14.22	33.00	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	23.00	22.90	23.03	15.88	33.00	Pass
15KHz	15MHz	LCH	DFT-QPSK	23.03	23.00	22.96	15.88	33.00	Pass
15KHz	15MHz	LCH	DFT-16QAM	22.04	21.99	22.01	14.89	33.00	Pass
15KHz	15MHz	LCH	DFT-64QAM	20.70	20.58	20.50	13.55	33.00	Pass
15KHz	15MHz	LCH	DFT-256QAM	17.96	18.00	18.37	11.22	33.00	Pass
15KHz	15MHz	LCH	CP-QPSK	21.45	21.48	21.45	14.33	33.00	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	22.87	22.90	22.98	15.83	33.00	Pass
15KHz	15MHz	MCH	DFT-QPSK	22.90	22.92	23.02	15.87	33.00	Pass
15KHz	15MHz	MCH	DFT-16QAM	21.91	21.94	22.01	14.86	33.00	Pass
15KHz	15MHz	MCH	DFT-64QAM	20.58	20.53	20.49	13.43	33.00	Pass
15KHz	15MHz	MCH	DFT-256QAM	17.91	17.95	18.42	11.27	33.00	Pass
15KHz	15MHz	MCH	CP-QPSK	21.39	21.39	21.48	14.33	33.00	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	22.86	22.58	22.78	15.71	33.00	Pass
15KHz	15MHz	HCH	DFT-QPSK	22.87	22.61	22.86	15.72	33.00	Pass
15KHz	15MHz	HCH	DFT-16QAM	21.89	21.62	21.77	14.74	33.00	Pass
15KHz	15MHz	HCH	DFT-64QAM	20.54	20.29	20.37	13.39	33.00	Pass
15KHz	15MHz	HCH	DFT-256QAM	17.86	17.63	18.25	11.10	33.00	Pass
15KHz	15MHz	HCH	CP-QPSK	21.28	21.15	21.20	14.13	33.00	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	23.01	22.93	22.99	15.86	33.00	Pass
15KHz	20MHz	LCH	DFT-QPSK	23.00	22.94	22.98	15.85	33.00	Pass
15KHz	20MHz	LCH	DFT-16QAM	21.98	21.89	21.98	14.83	33.00	Pass
15KHz	20MHz	LCH	DFT-64QAM	20.67	20.54	20.48	13.52	33.00	Pass

15KHz	20MHz	LCH	DFT-256QAM	18.00	17.93	18.51	11.36	33.00	Pass
15KHz	20MHz	LCH	CP-QPSK	21.45	21.35	21.47	14.32	33.00	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	22.88	22.80	23.07	15.92	33.00	Pass
15KHz	20MHz	MCH	DFT-QPSK	22.90	22.84	23.07	15.92	33.00	Pass
15KHz	20MHz	MCH	DFT-16QAM	21.93	21.85	22.06	14.91	33.00	Pass
15KHz	20MHz	MCH	DFT-64QAM	20.62	20.45	20.53	13.47	33.00	Pass
15KHz	20MHz	MCH	DFT-256QAM	17.92	17.87	18.47	11.32	33.00	Pass
15KHz	20MHz	MCH	CP-QPSK	21.40	21.24	21.45	14.30	33.00	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	22.93	22.60	22.90	15.78	33.00	Pass
15KHz	20MHz	HCH	DFT-QPSK	22.96	22.64	22.80	15.81	33.00	Pass
15KHz	20MHz	HCH	DFT-16QAM	21.87	21.65	21.78	14.72	33.00	Pass
15KHz	20MHz	HCH	DFT-64QAM	20.58	20.23	20.49	13.43	33.00	Pass
15KHz	20MHz	HCH	DFT-256QAM	17.86	17.60	18.31	11.16	33.00	Pass
15KHz	20MHz	HCH	CP-QPSK	21.37	21.01	21.34	14.22	33.00	Pass
15KHz	25MHz	LCH	DFT-Pi2BPSK	23.42	23.29	23.08	16.27	33.00	Pass
15KHz	25MHz	LCH	DFT-QPSK	23.35	23.43	23.09	16.28	33.00	Pass
15KHz	25MHz	LCH	DFT-16QAM	22.33	22.28	22.07	15.18	33.00	Pass
15KHz	25MHz	LCH	DFT-64QAM	21.05	21.04	20.56	13.90	33.00	Pass
15KHz	25MHz	LCH	DFT-256QAM	18.27	18.36	18.50	11.35	33.00	Pass
15KHz	25MHz	LCH	CP-QPSK	21.91	21.78	21.52	14.76	33.00	Pass
15KHz	25MHz	MCH	DFT-Pi2BPSK	23.32	23.28	23.09	16.17	33.00	Pass
15KHz	25MHz	MCH	DFT-QPSK	23.30	23.34	23.09	16.19	33.00	Pass
15KHz	25MHz	MCH	DFT-16QAM	22.33	22.27	22.07	15.18	33.00	Pass
15KHz	25MHz	MCH	DFT-64QAM	21.00	20.91	20.53	13.85	33.00	Pass
15KHz	25MHz	MCH	DFT-256QAM	18.24	18.12	18.48	11.33	33.00	Pass
15KHz	25MHz	MCH	CP-QPSK	21.87	21.80	21.56	14.72	33.00	Pass
15KHz	25MHz	HCH	DFT-Pi2BPSK	23.26	23.15	22.90	16.11	33.00	Pass
15KHz	25MHz	HCH	DFT-QPSK	23.20	23.16	22.89	16.05	33.00	Pass
15KHz	25MHz	HCH	DFT-16QAM	22.21	22.14	21.88	15.06	33.00	Pass
15KHz	25MHz	HCH	DFT-64QAM	20.88	20.78	20.45	13.73	33.00	Pass
15KHz	25MHz	HCH	DFT-256QAM	18.24	18.02	18.45	11.30	33.00	Pass
15KHz	25MHz	HCH	CP-QPSK	21.80	21.65	21.43	14.65	33.00	Pass
15KHz	30MHz	LCH	DFT-Pi2BPSK	23.17	23.02	22.95	16.02	33.00	Pass
15KHz	30MHz	LCH	DFT-QPSK	23.21	23.14	23.00	16.06	33.00	Pass
15KHz	30MHz	LCH	DFT-16QAM	22.22	22.14	21.95	15.07	33.00	Pass
15KHz	30MHz	LCH	DFT-64QAM	20.89	20.73	20.55	13.74	33.00	Pass
15KHz	30MHz	LCH	DFT-256QAM	18.12	17.98	18.41	11.26	33.00	Pass
15KHz	30MHz	LCH	CP-QPSK	21.69	21.60	21.47	14.54	33.00	Pass
15KHz	30MHz	MCH	DFT-Pi2BPSK	23.14	23.01	23.06	15.99	33.00	Pass
15KHz	30MHz	MCH	DFT-QPSK	23.18	22.98	23.07	16.03	33.00	Pass
15KHz	30MHz	MCH	DFT-16QAM	22.20	22.01	22.02	15.05	33.00	Pass
15KHz	30MHz	MCH	DFT-64QAM	20.79	20.60	20.53	13.64	33.00	Pass
15KHz	30MHz	MCH	DFT-256QAM	18.07	17.95	18.50	11.35	33.00	Pass
15KHz	30MHz	MCH	CP-QPSK	21.71	21.57	21.57	14.56	33.00	Pass
15KHz	30MHz	HCH	DFT-Pi2BPSK	23.13	22.98	22.96	15.98	33.00	Pass
15KHz	30MHz	HCH	DFT-QPSK	23.12	22.96	22.97	15.97	33.00	Pass
15KHz	30MHz	HCH	DFT-16QAM	22.16	21.98	21.94	15.01	33.00	Pass
15KHz	30MHz	HCH	DFT-64QAM	20.76	20.56	20.45	13.61	33.00	Pass
15KHz	30MHz	HCH	DFT-256QAM	18.05	17.82	18.41	11.26	33.00	Pass
15KHz	30MHz	HCH	CP-QPSK	21.68	21.47	21.49	14.53	33.00	Pass

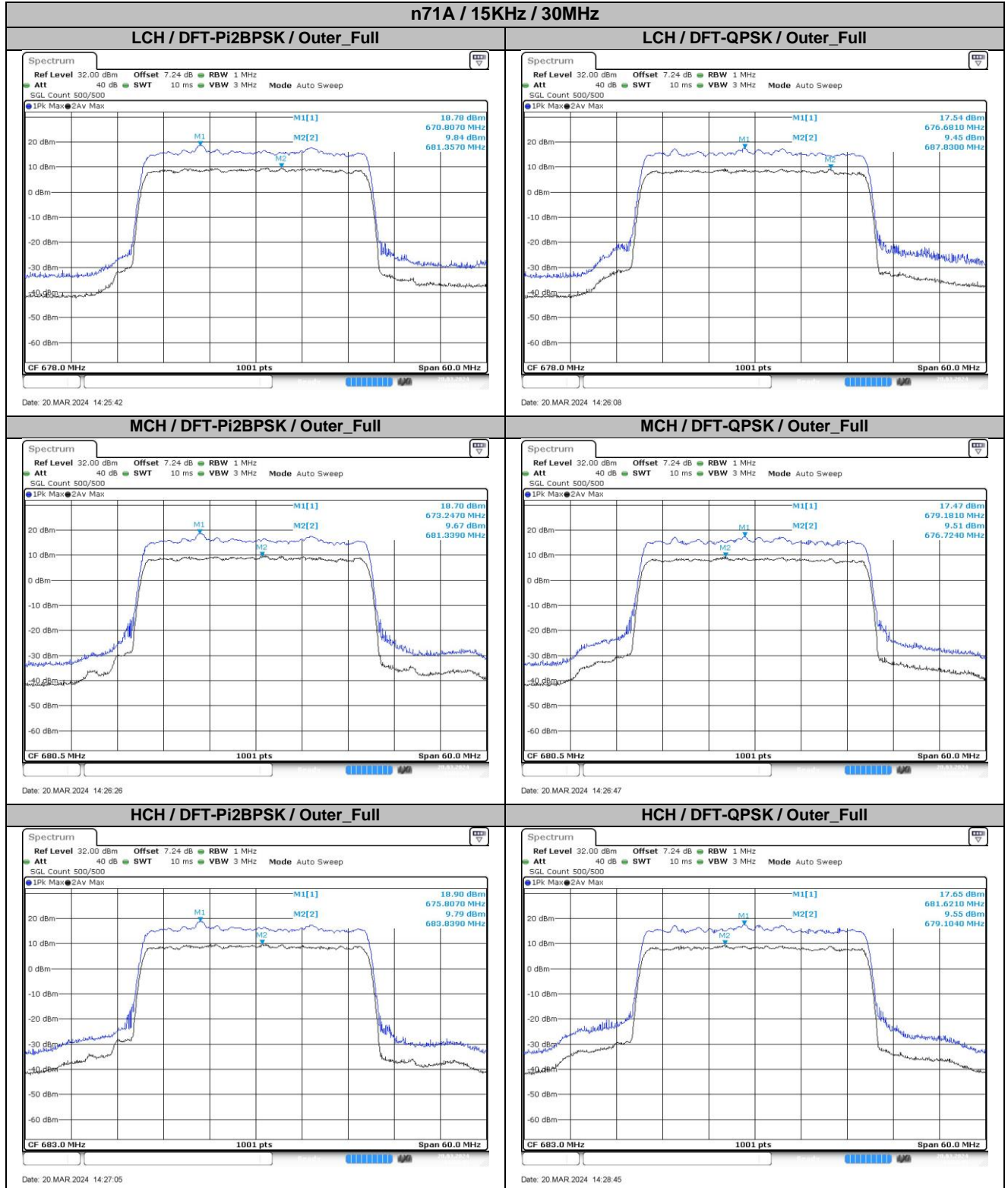
2. Peak-to-Average Ratio

2.1. Test Results

SCS	Bandwidth	Channel	Modulation	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	30MHz	LCH	Outer_Full	8.94	8.09	13.00	Pass
15KHz	30MHz	MCH	Outer_Full	9.03	7.96	13.00	Pass
15KHz	30MHz	HCH	Outer_Full	9.11	8.10	13.00	Pass

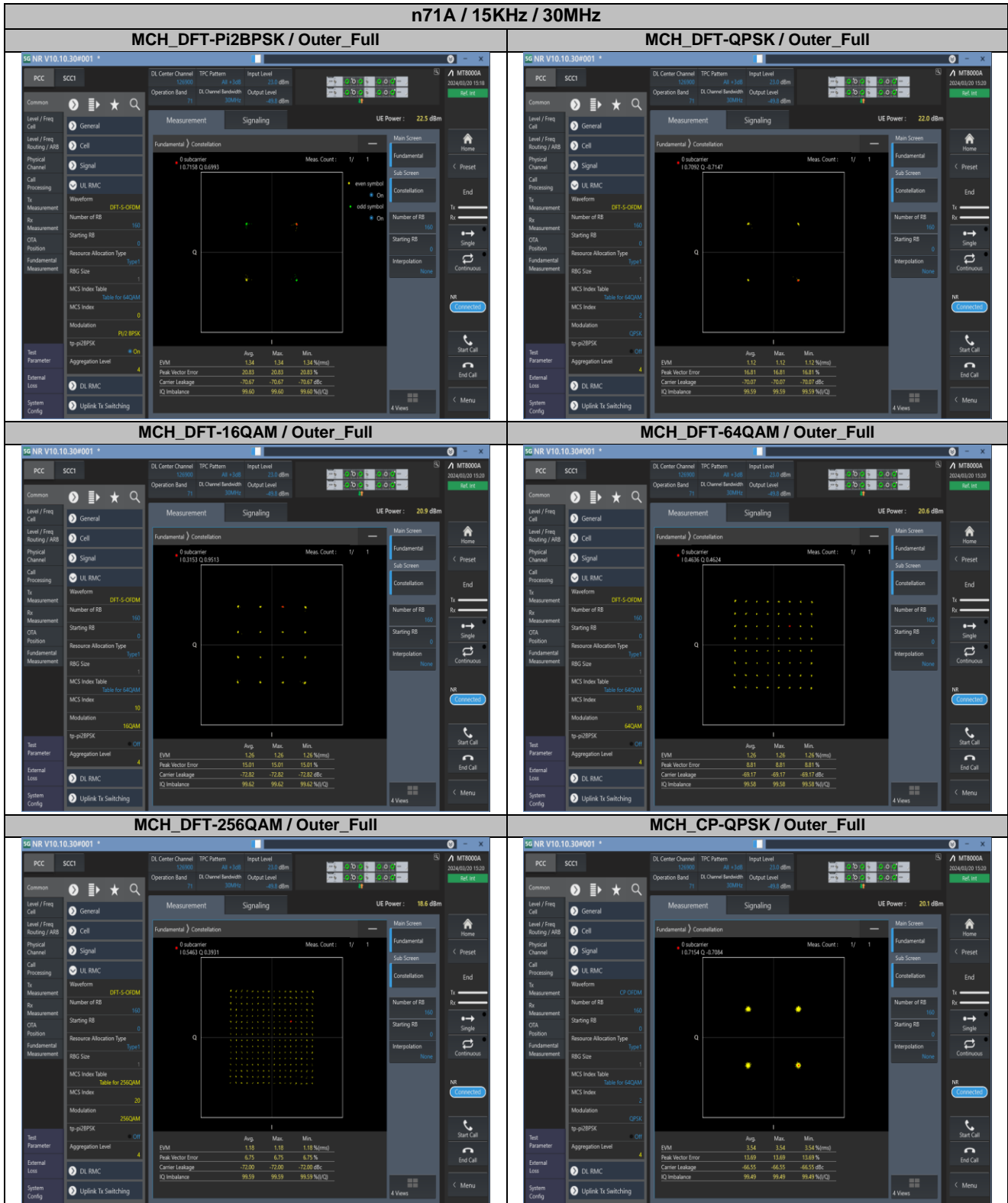
2.2. Test Plots

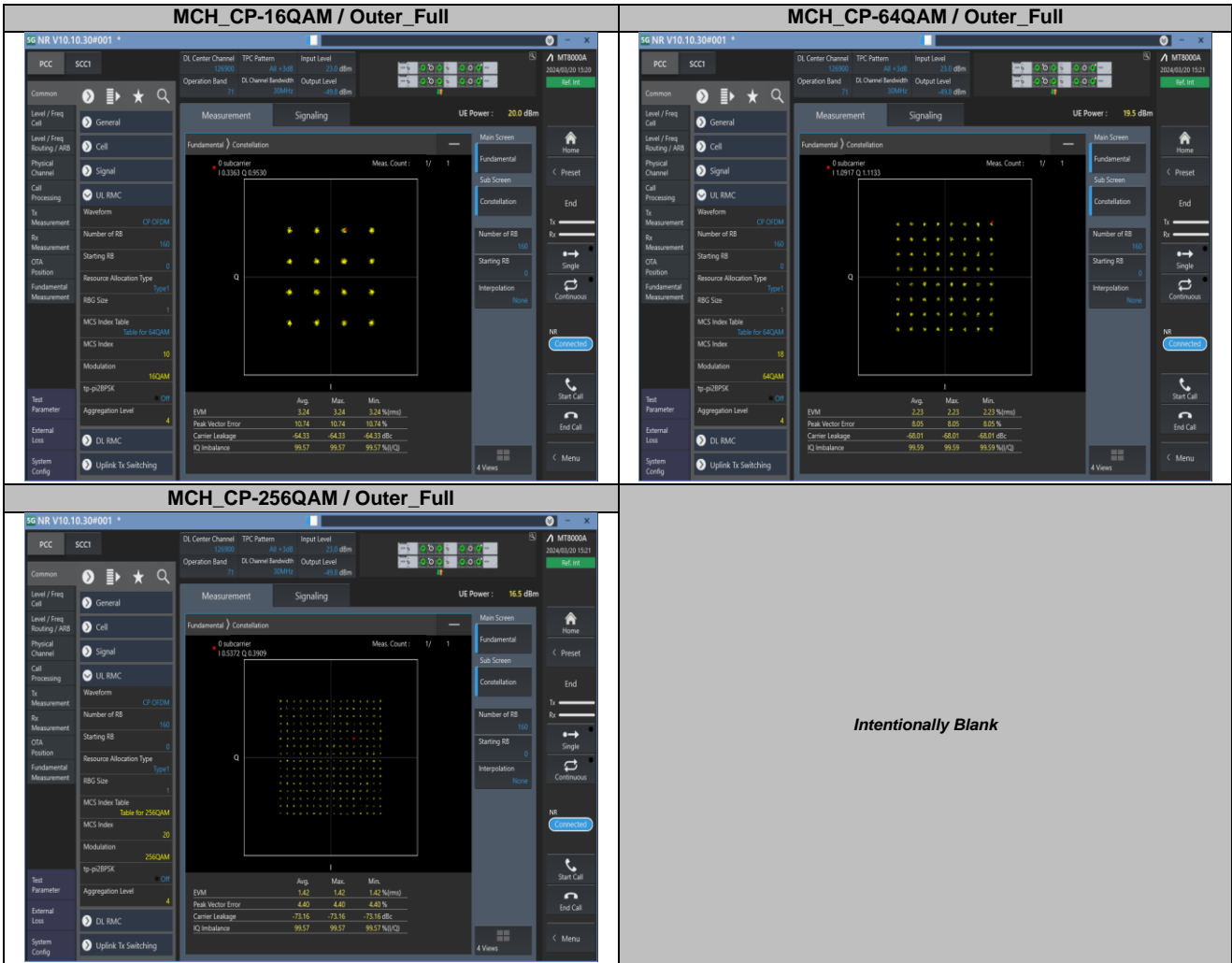
2.2.1. Bandwidth:30MHz



3. Modulation Characteristics

3.1. Test Plots



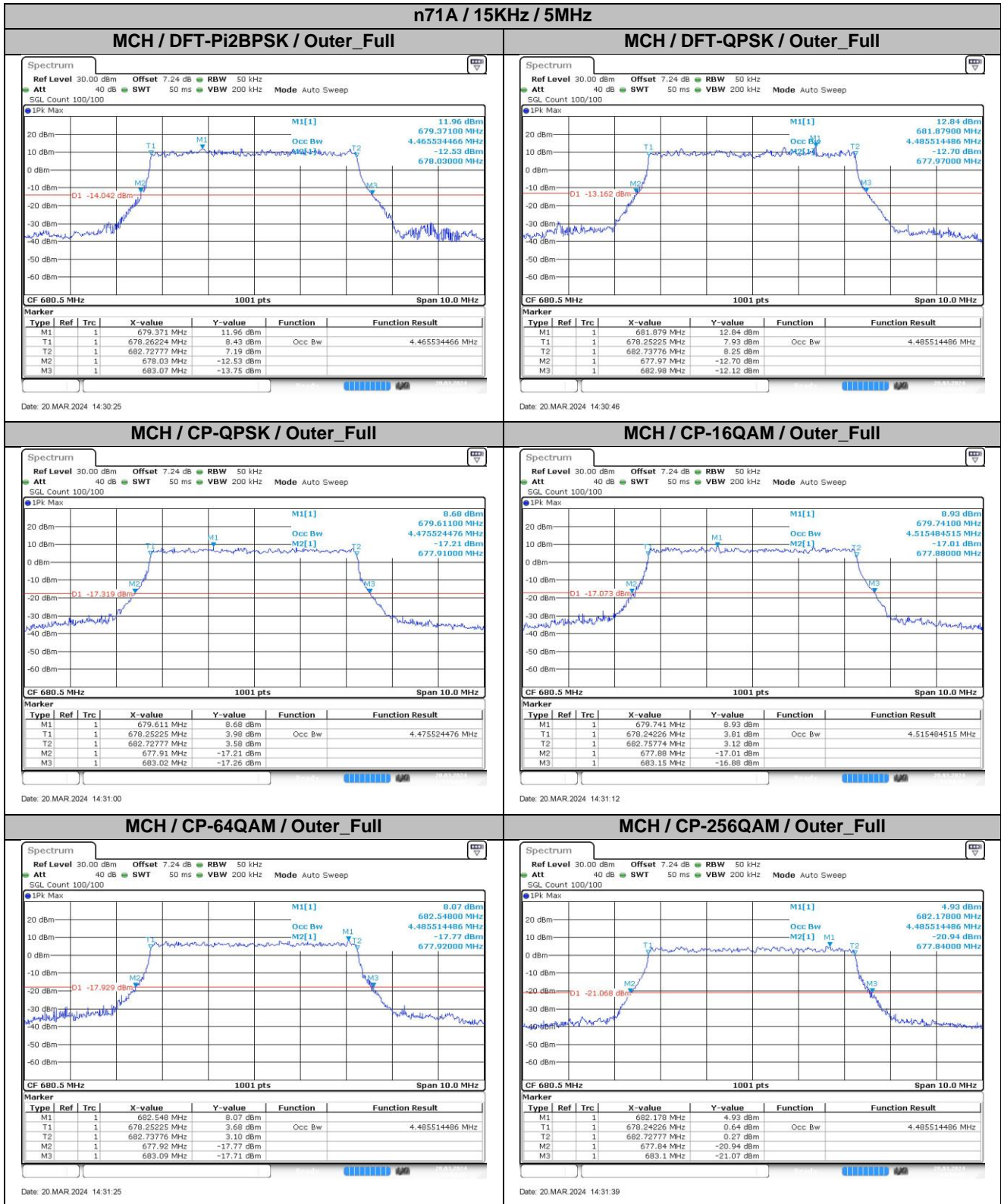


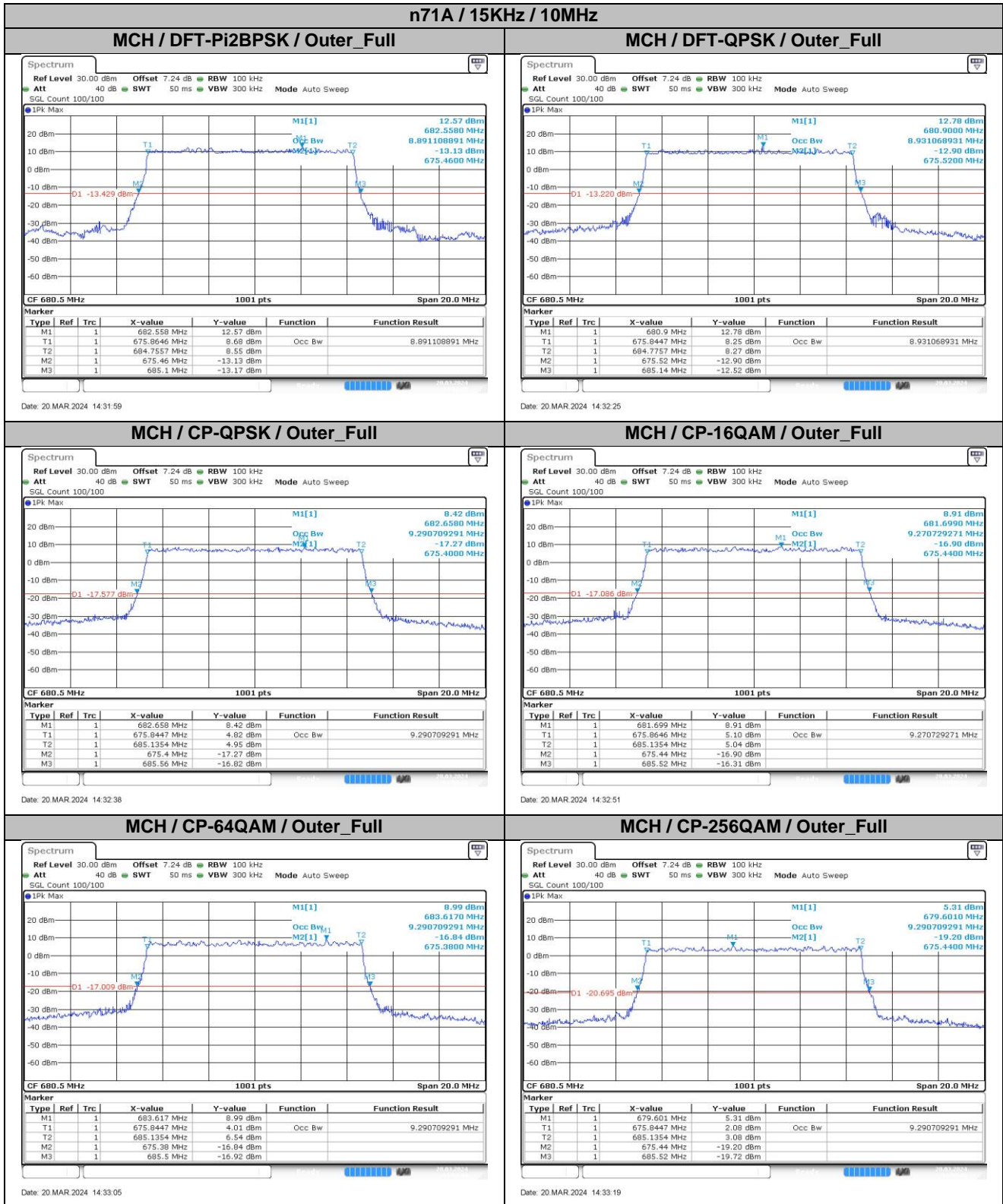
4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

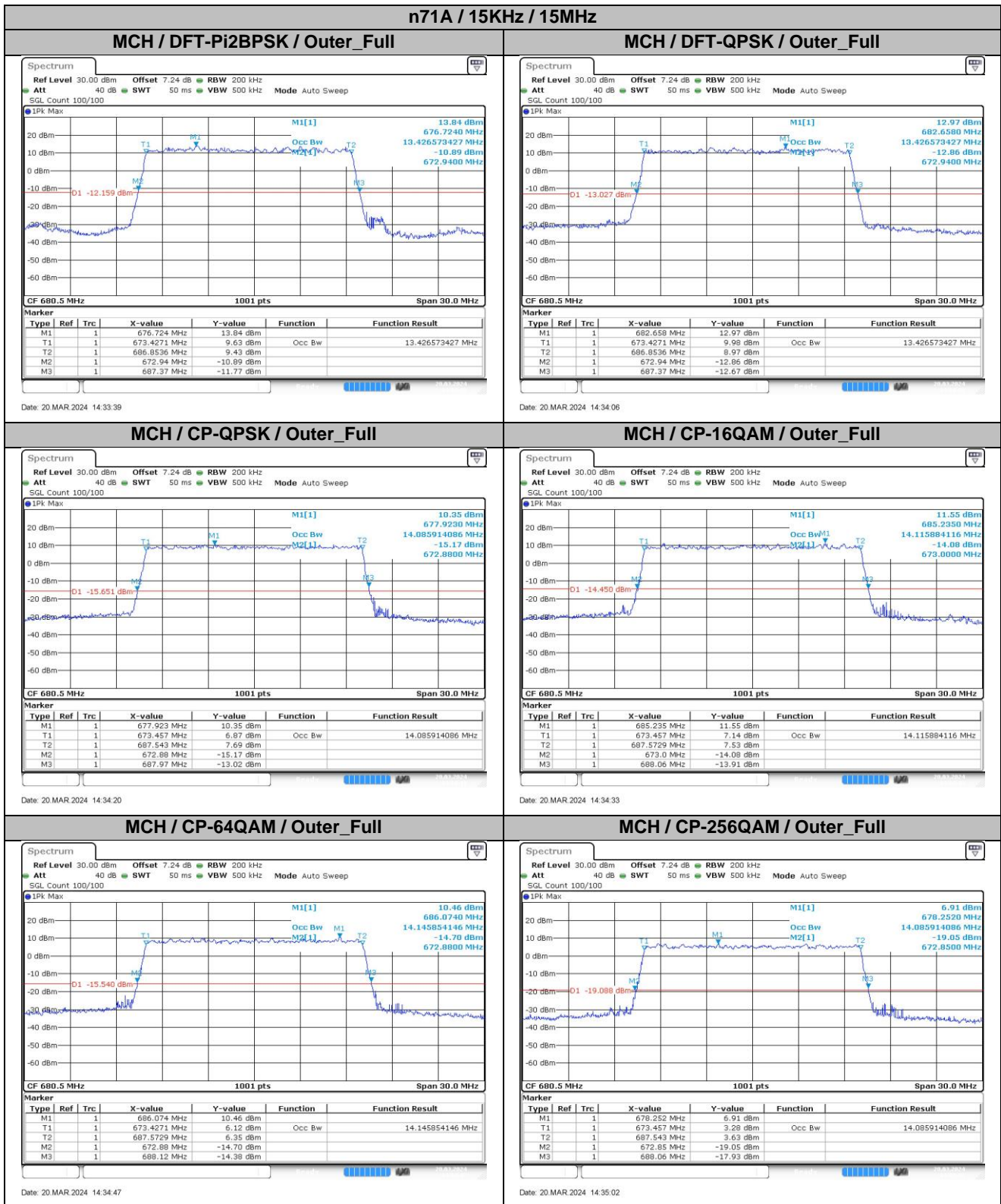
4.1. Test Results

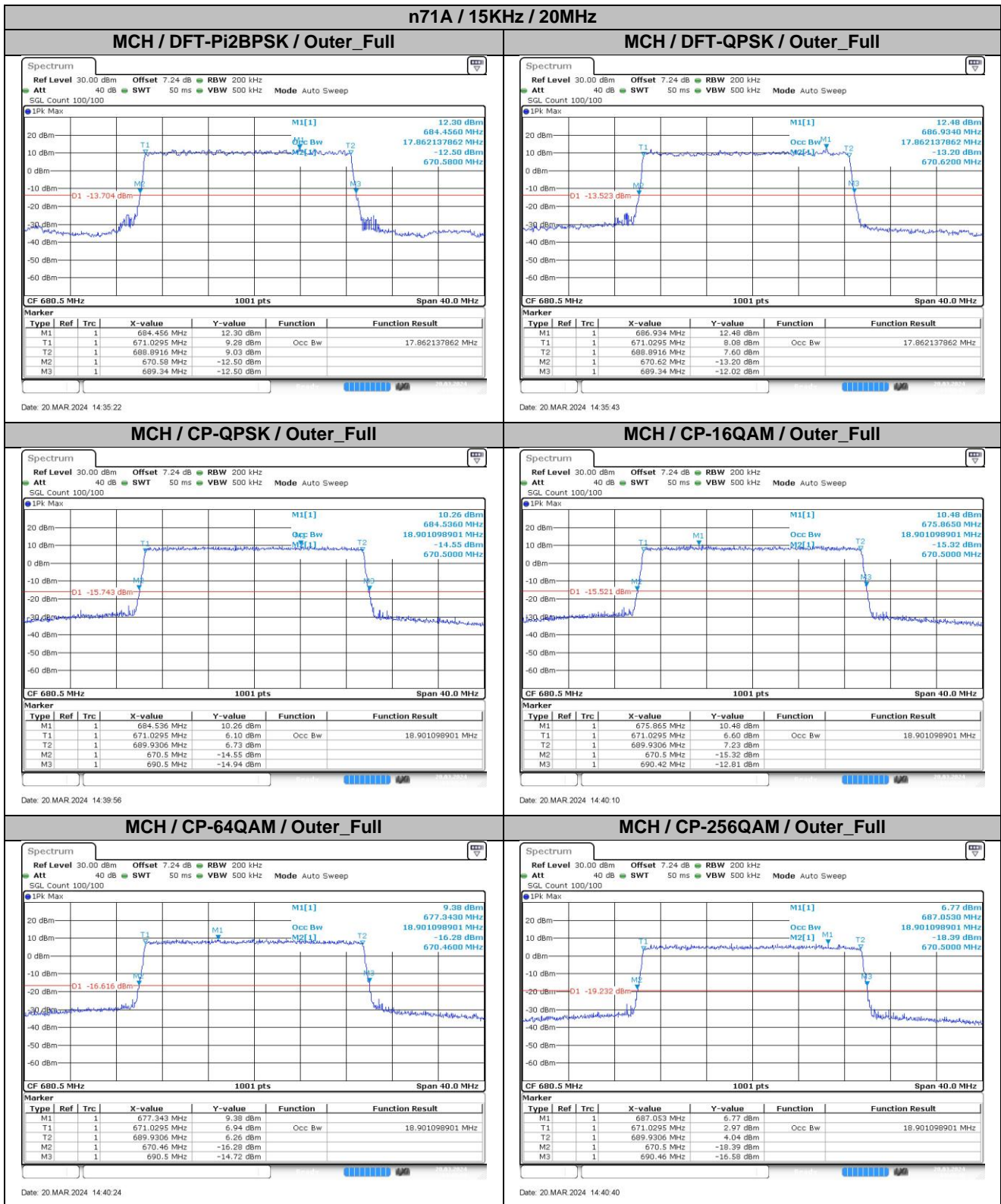
SCS	Bandwidth	Modulation	RB Config	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.47	5.04	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.49	5.01	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.48	5.11	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.52	5.27	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.49	5.17	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.49	5.26	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.89	9.64	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.93	9.62	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.29	10.16	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.27	10.08	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.29	10.12	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.29	10.08	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.43	14.43	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.43	14.43	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.09	15.09	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.12	15.06	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.15	15.24	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.09	15.21	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.86	18.76	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.86	18.72	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.90	20.00	Pass
15KHz	20MHz	CP-16QAM	Outer_Full	18.90	19.92	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	18.90	20.04	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	18.90	19.96	Pass
15KHz	25MHz	DFT-Pi2BPSK	Outer_Full	22.88	24.00	Pass
15KHz	25MHz	DFT-QPSK	Outer_Full	22.98	24.10	Pass
15KHz	25MHz	CP-QPSK	Outer_Full	23.73	25.00	Pass
15KHz	25MHz	CP-16QAM	Outer_Full	23.78	25.10	Pass
15KHz	25MHz	CP-64QAM	Outer_Full	23.73	25.10	Pass
15KHz	25MHz	CP-256QAM	Outer_Full	23.73	25.05	Pass
15KHz	30MHz	DFT-Pi2BPSK	Outer_Full	28.53	29.82	Pass
15KHz	30MHz	DFT-QPSK	Outer_Full	28.53	29.88	Pass
15KHz	30MHz	CP-QPSK	Outer_Full	28.47	29.76	Pass
15KHz	30MHz	CP-16QAM	Outer_Full	28.53	29.88	Pass
15KHz	30MHz	CP-64QAM	Outer_Full	28.47	29.94	Pass
15KHz	30MHz	CP-256QAM	Outer_Full	28.59	29.94	Pass

4.2. Test Plots









5. Conducted Band Edges

5.1. Test Plots

