

**Appendix
for
DC_7A_n66A
(1710-1780)**

Catalogue

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1. Effective Isotropic Radiated Power

1.1. Test Results @ Ant4 (Antenna Gain=-4.00dBi)

SCS	Bandwidth	Channel	Modulation	Conducted Result (dBm)			Max EIRP (dBm)	Limit (dBm)	Verdict
				Inner_1RB_Left	Inner_1RB_Right	Inner_Full			
15KHz	5MHz	LCH	DFT-Pi2BPSK	22.49	22.51	22.51	18.51	30.00	Pass
15KHz	5MHz	LCH	DFT-QPSK	22.36	22.41	22.54	18.54	30.00	Pass
15KHz	5MHz	LCH	DFT-16QAM	20.96	21.03	21.58	17.58	30.00	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.16	20.26	20.04	16.26	30.00	Pass
15KHz	5MHz	LCH	DFT-256QAM	17.51	17.53	17.93	13.93	30.00	Pass
15KHz	5MHz	LCH	CP-QPSK	20.91	20.93	20.94	16.94	30.00	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	22.18	22.23	22.22	18.23	30.00	Pass
15KHz	5MHz	MCH	DFT-QPSK	22.15	22.10	22.21	18.21	30.00	Pass
15KHz	5MHz	MCH	DFT-16QAM	20.82	20.83	21.18	17.18	30.00	Pass
15KHz	5MHz	MCH	DFT-64QAM	19.75	19.89	19.75	15.89	30.00	Pass
15KHz	5MHz	MCH	DFT-256QAM	17.30	17.36	17.59	13.59	30.00	Pass
15KHz	5MHz	MCH	CP-QPSK	20.63	20.67	20.64	16.67	30.00	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	22.14	22.14	22.16	18.16	30.00	Pass
15KHz	5MHz	HCH	DFT-QPSK	22.05	22.10	22.17	18.17	30.00	Pass
15KHz	5MHz	HCH	DFT-16QAM	20.79	20.90	21.19	17.19	30.00	Pass
15KHz	5MHz	HCH	DFT-64QAM	19.81	19.86	19.80	15.86	30.00	Pass
15KHz	5MHz	HCH	DFT-256QAM	17.18	17.21	17.59	13.59	30.00	Pass
15KHz	5MHz	HCH	CP-QPSK	20.65	20.60	20.60	16.65	30.00	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	22.42	22.54	22.55	18.55	30.00	Pass
15KHz	10MHz	LCH	DFT-QPSK	22.38	22.38	22.54	18.54	30.00	Pass
15KHz	10MHz	LCH	DFT-16QAM	20.99	21.13	21.57	17.57	30.00	Pass
15KHz	10MHz	LCH	DFT-64QAM	20.05	20.19	19.95	16.19	30.00	Pass
15KHz	10MHz	LCH	DFT-256QAM	17.53	17.51	17.85	13.85	30.00	Pass
15KHz	10MHz	LCH	CP-QPSK	20.93	20.87	20.92	16.93	30.00	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	22.21	22.25	22.23	18.25	30.00	Pass
15KHz	10MHz	MCH	DFT-QPSK	22.10	22.16	22.23	18.23	30.00	Pass
15KHz	10MHz	MCH	DFT-16QAM	20.70	20.63	21.30	17.30	30.00	Pass
15KHz	10MHz	MCH	DFT-64QAM	19.91	19.83	19.70	15.91	30.00	Pass
15KHz	10MHz	MCH	DFT-256QAM	17.24	17.26	17.60	13.60	30.00	Pass
15KHz	10MHz	MCH	CP-QPSK	20.60	20.68	20.64	16.68	30.00	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	22.18	22.22	22.25	18.25	30.00	Pass
15KHz	10MHz	HCH	DFT-QPSK	22.09	22.15	22.26	18.26	30.00	Pass
15KHz	10MHz	HCH	DFT-16QAM	20.70	20.75	21.35	17.35	30.00	Pass
15KHz	10MHz	HCH	DFT-64QAM	19.87	19.91	19.71	15.91	30.00	Pass
15KHz	10MHz	HCH	DFT-256QAM	17.18	17.29	17.60	13.60	30.00	Pass
15KHz	10MHz	HCH	CP-QPSK	20.62	20.64	20.64	16.64	30.00	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	22.36	22.40	22.36	18.40	30.00	Pass
15KHz	15MHz	LCH	DFT-QPSK	22.21	22.34	22.37	18.37	30.00	Pass
15KHz	15MHz	LCH	DFT-16QAM	20.79	20.90	21.43	17.43	30.00	Pass
15KHz	15MHz	LCH	DFT-64QAM	19.71	19.79	19.90	15.90	30.00	Pass
15KHz	15MHz	LCH	DFT-256QAM	17.48	17.52	17.76	13.76	30.00	Pass
15KHz	15MHz	LCH	CP-QPSK	20.85	20.87	20.93	16.93	30.00	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	22.19	22.28	22.19	18.28	30.00	Pass
15KHz	15MHz	MCH	DFT-QPSK	22.10	22.17	22.17	18.17	30.00	Pass
15KHz	15MHz	MCH	DFT-16QAM	20.90	20.94	21.21	17.21	30.00	Pass
15KHz	15MHz	MCH	DFT-64QAM	19.89	19.92	19.66	15.92	30.00	Pass
15KHz	15MHz	MCH	DFT-256QAM	17.36	17.39	17.54	13.54	30.00	Pass
15KHz	15MHz	MCH	CP-QPSK	20.67	20.79	20.68	16.79	30.00	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	22.17	22.28	22.18	18.28	30.00	Pass
15KHz	15MHz	HCH	DFT-QPSK	22.10	22.21	22.19	18.21	30.00	Pass
15KHz	15MHz	HCH	DFT-16QAM	20.95	21.07	21.21	17.21	30.00	Pass
15KHz	15MHz	HCH	DFT-64QAM	19.96	20.09	19.68	16.09	30.00	Pass
15KHz	15MHz	HCH	DFT-256QAM	17.34	17.46	17.60	13.60	30.00	Pass
15KHz	15MHz	HCH	CP-QPSK	20.66	20.79	20.68	16.79	30.00	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	22.40	22.36	22.45	18.45	30.00	Pass
15KHz	20MHz	LCH	DFT-QPSK	22.28	22.23	22.47	18.47	30.00	Pass
15KHz	20MHz	LCH	DFT-16QAM	21.03	21.01	21.50	17.50	30.00	Pass
15KHz	20MHz	LCH	DFT-64QAM	20.06	19.96	19.95	16.06	30.00	Pass

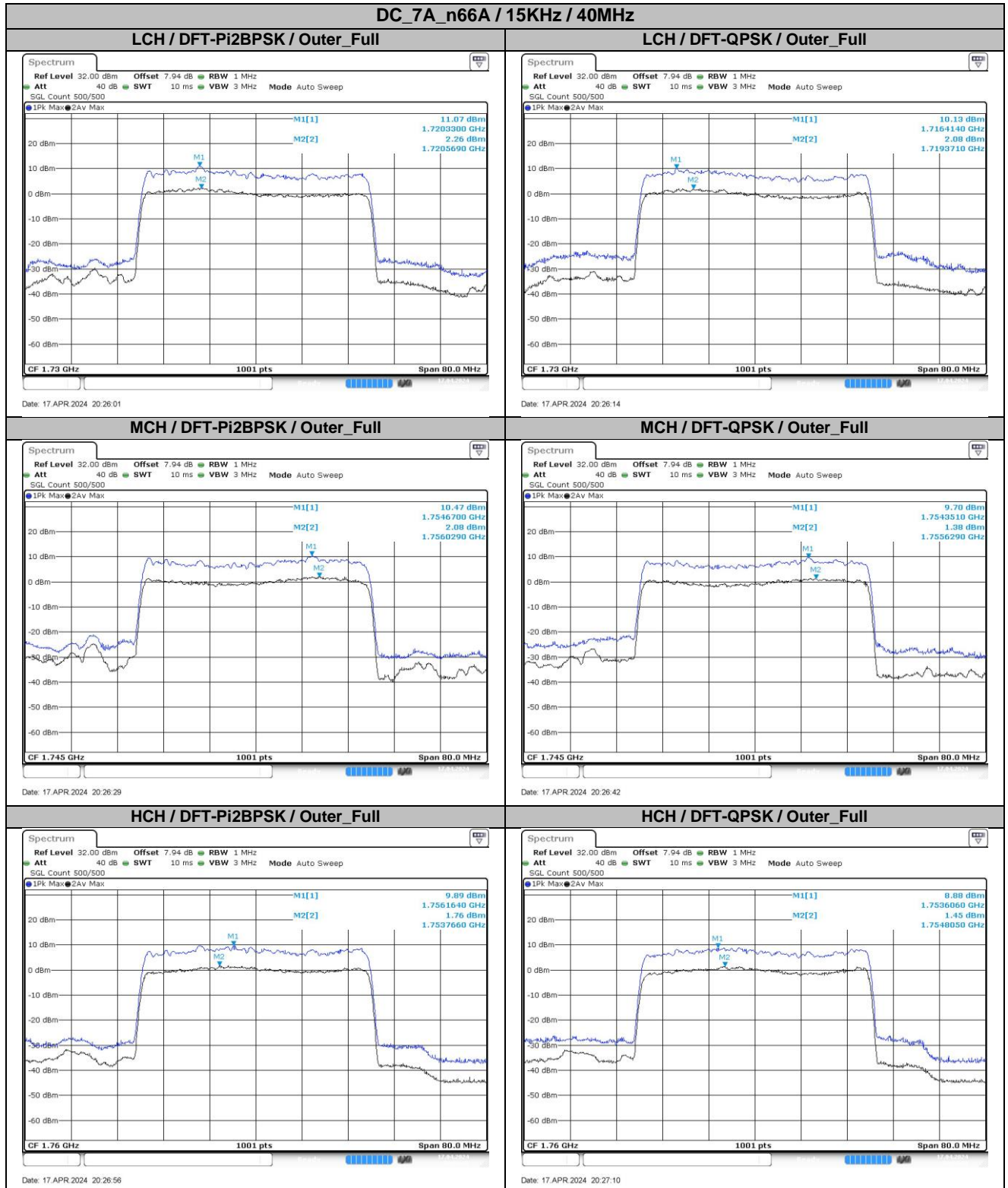
15KHz	20MHz	LCH	DFT-256QAM	17.56	17.48	17.84	13.84	30.00	Pass
15KHz	20MHz	LCH	CP-QPSK	20.96	20.72	20.88	16.96	30.00	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	22.14	22.28	22.21	18.28	30.00	Pass
15KHz	20MHz	MCH	DFT-QPSK	22.11	22.18	22.26	18.26	30.00	Pass
15KHz	20MHz	MCH	DFT-16QAM	20.69	20.70	21.22	17.22	30.00	Pass
15KHz	20MHz	MCH	DFT-64QAM	19.61	19.72	19.68	15.72	30.00	Pass
15KHz	20MHz	MCH	DFT-256QAM	17.14	17.23	17.45	13.45	30.00	Pass
15KHz	20MHz	MCH	CP-QPSK	20.62	20.60	20.61	16.62	30.00	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	22.16	22.17	22.16	18.17	30.00	Pass
15KHz	20MHz	HCH	DFT-QPSK	22.06	22.12	22.18	18.18	30.00	Pass
15KHz	20MHz	HCH	DFT-16QAM	20.91	20.92	21.15	17.15	30.00	Pass
15KHz	20MHz	HCH	DFT-64QAM	19.89	19.95	19.66	15.95	30.00	Pass
15KHz	20MHz	HCH	DFT-256QAM	17.22	17.24	17.54	13.54	30.00	Pass
15KHz	20MHz	HCH	CP-QPSK	20.62	20.61	20.61	16.62	30.00	Pass
15KHz	30MHz	LCH	DFT-Pi2BPSK	22.45	22.33	22.43	18.45	30.00	Pass
15KHz	30MHz	LCH	DFT-QPSK	22.27	22.21	22.50	18.50	30.00	Pass
15KHz	30MHz	LCH	DFT-16QAM	20.88	20.78	21.46	17.46	30.00	Pass
15KHz	30MHz	LCH	DFT-64QAM	20.19	20.05	20.01	16.19	30.00	Pass
15KHz	30MHz	LCH	DFT-256QAM	17.52	17.51	17.95	13.95	30.00	Pass
15KHz	30MHz	LCH	CP-QPSK	21.09	20.84	20.95	17.09	30.00	Pass
15KHz	30MHz	MCH	DFT-Pi2BPSK	22.14	22.23	22.15	18.23	30.00	Pass
15KHz	30MHz	MCH	DFT-QPSK	22.15	22.21	22.24	18.24	30.00	Pass
15KHz	30MHz	MCH	DFT-16QAM	20.66	20.71	21.13	17.13	30.00	Pass
15KHz	30MHz	MCH	DFT-64QAM	19.93	20.01	19.67	16.01	30.00	Pass
15KHz	30MHz	MCH	DFT-256QAM	17.47	17.56	17.58	13.58	30.00	Pass
15KHz	30MHz	MCH	CP-QPSK	20.64	20.70	20.65	16.70	30.00	Pass
15KHz	30MHz	HCH	DFT-Pi2BPSK	22.09	22.19	22.23	18.23	30.00	Pass
15KHz	30MHz	HCH	DFT-QPSK	22.04	22.16	22.23	18.23	30.00	Pass
15KHz	30MHz	HCH	DFT-16QAM	20.59	20.66	21.13	17.13	30.00	Pass
15KHz	30MHz	HCH	DFT-64QAM	19.88	19.95	19.70	15.95	30.00	Pass
15KHz	30MHz	HCH	DFT-256QAM	17.19	17.46	17.61	13.61	30.00	Pass
15KHz	30MHz	HCH	CP-QPSK	20.67	20.69	20.66	16.69	30.00	Pass
15KHz	40MHz	LCH	DFT-Pi2BPSK	22.43	22.31	22.43	18.43	30.00	Pass
15KHz	40MHz	LCH	DFT-QPSK	22.30	22.16	22.45	18.45	30.00	Pass
15KHz	40MHz	LCH	DFT-16QAM	21.12	20.93	21.44	17.44	30.00	Pass
15KHz	40MHz	LCH	DFT-64QAM	20.16	20.02	19.87	16.16	30.00	Pass
15KHz	40MHz	LCH	DFT-256QAM	17.51	17.48	17.81	13.81	30.00	Pass
15KHz	40MHz	LCH	CP-QPSK	21.09	20.73	20.86	17.09	30.00	Pass
15KHz	40MHz	MCH	DFT-Pi2BPSK	22.21	22.15	22.23	18.23	30.00	Pass
15KHz	40MHz	MCH	DFT-QPSK	22.21	22.12	22.24	18.24	30.00	Pass
15KHz	40MHz	MCH	DFT-16QAM	20.87	20.69	21.31	17.31	30.00	Pass
15KHz	40MHz	MCH	DFT-64QAM	19.97	19.89	19.73	15.97	30.00	Pass
15KHz	40MHz	MCH	DFT-256QAM	17.38	17.38	17.71	13.71	30.00	Pass
15KHz	40MHz	MCH	CP-QPSK	20.67	20.65	20.73	16.73	30.00	Pass
15KHz	40MHz	HCH	DFT-Pi2BPSK	22.04	22.18	22.21	18.21	30.00	Pass
15KHz	40MHz	HCH	DFT-QPSK	21.97	22.12	22.20	18.20	30.00	Pass
15KHz	40MHz	HCH	DFT-16QAM	20.77	20.89	21.20	17.20	30.00	Pass
15KHz	40MHz	HCH	DFT-64QAM	19.82	19.99	19.61	15.99	30.00	Pass
15KHz	40MHz	HCH	DFT-256QAM	17.13	17.39	17.54	13.54	30.00	Pass
15KHz	40MHz	HCH	CP-QPSK	20.66	20.64	20.61	16.66	30.00	Pass

2. Peak-to-Average Ratio

2.1. Test Results

SCS	Bandwidth	Channel	Modulation	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	40MHz	LCH	Outer_Full	8.82	8.05	13.00	Pass
15KHz	40MHz	MCH	Outer_Full	8.39	8.32	13.00	Pass
15KHz	40MHz	HCH	Outer_Full	8.12	7.42	13.00	Pass

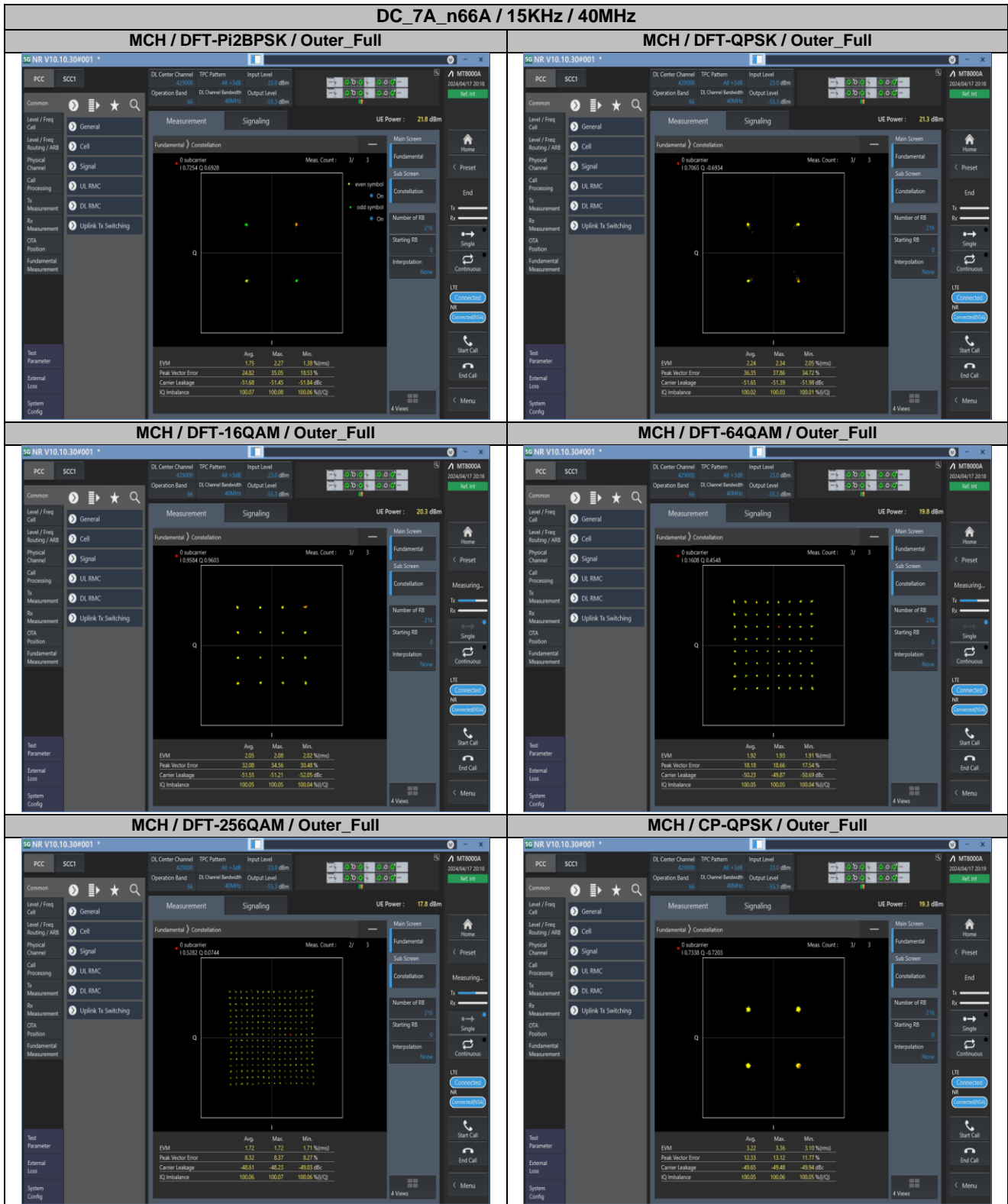
2.2. Test Plots

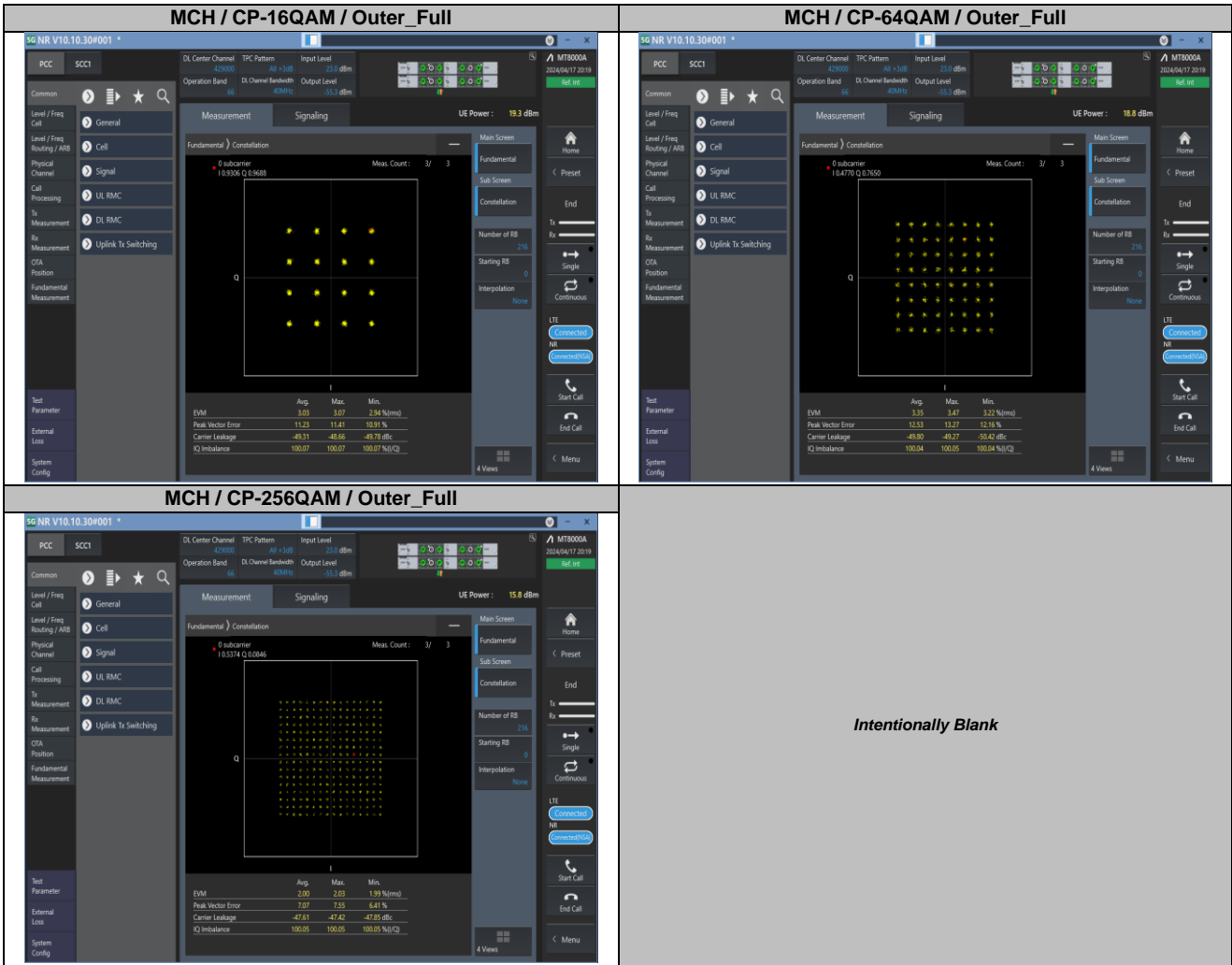


3. Modulation Characteristics

3.1. Test Plots

DC_7A_n66A / 15KHz / 40MHz



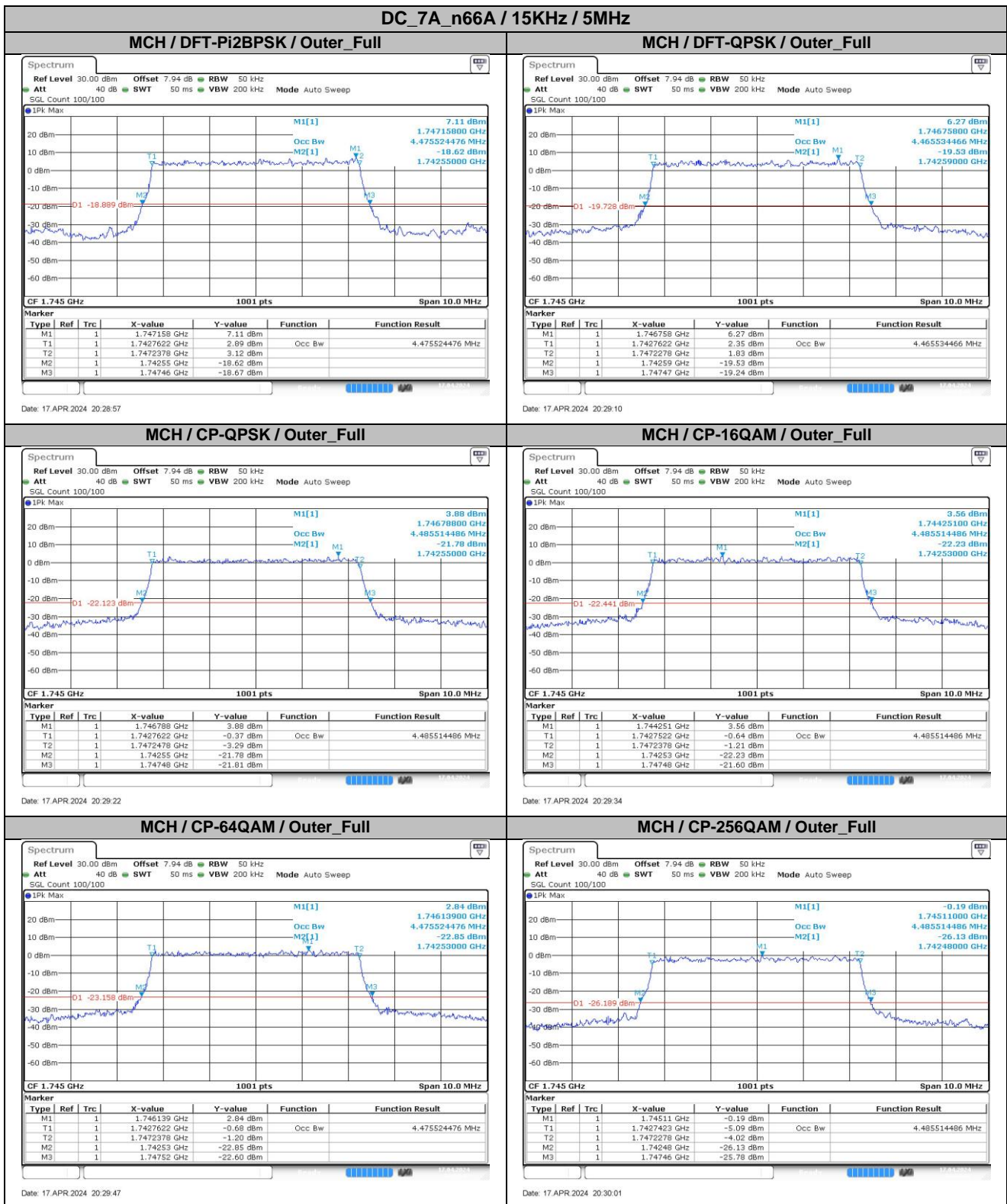


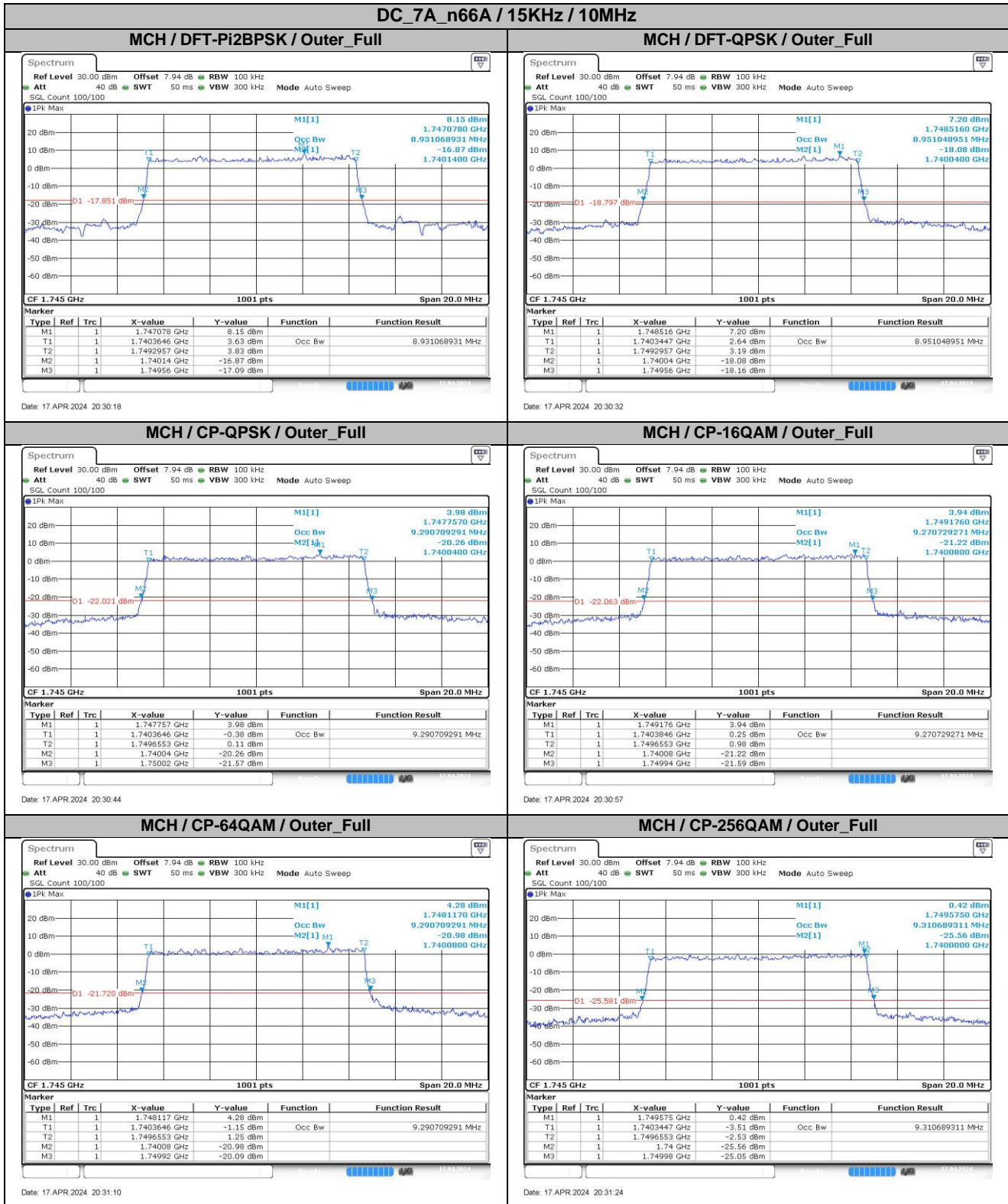
4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

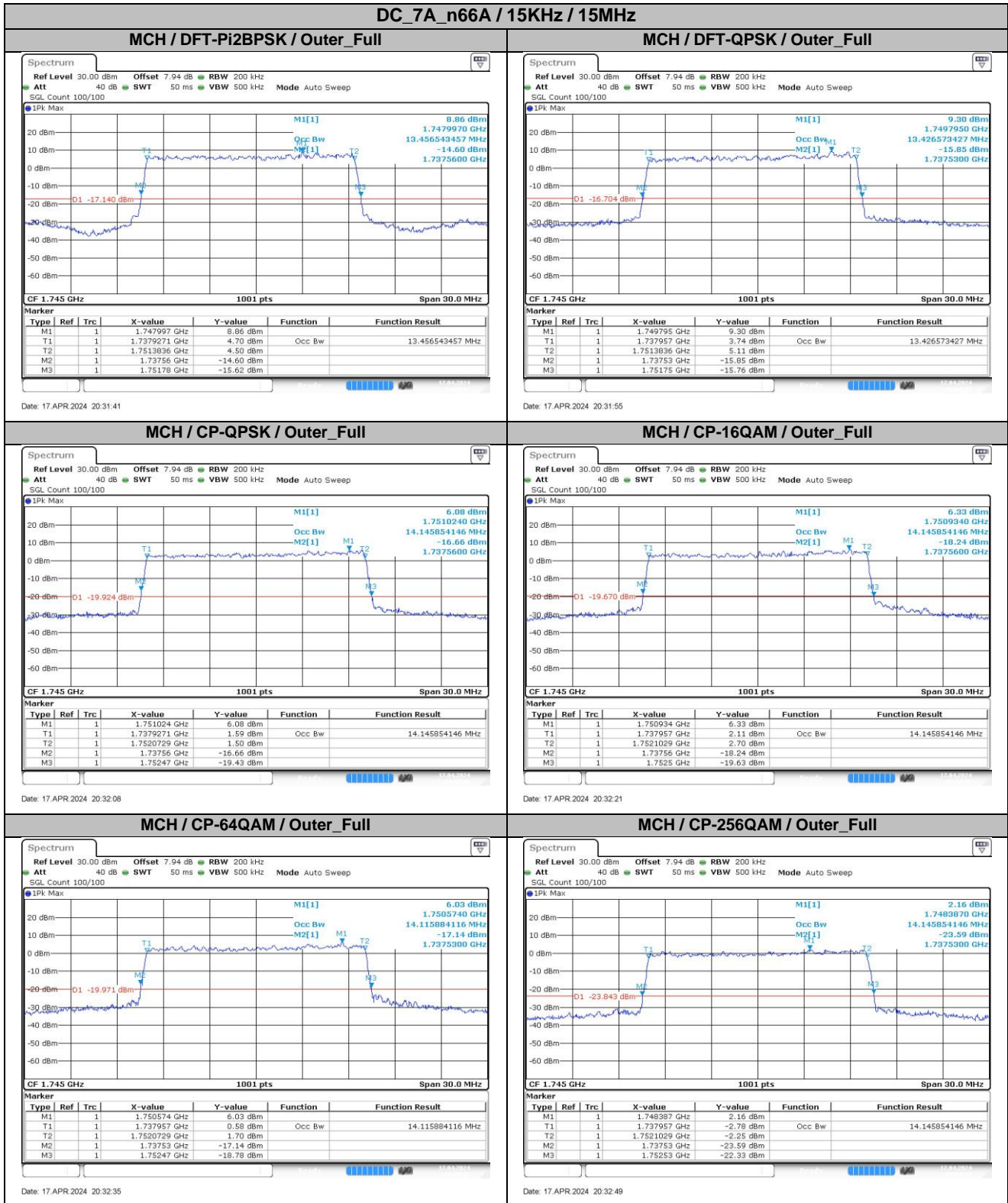
4.1. Test Results

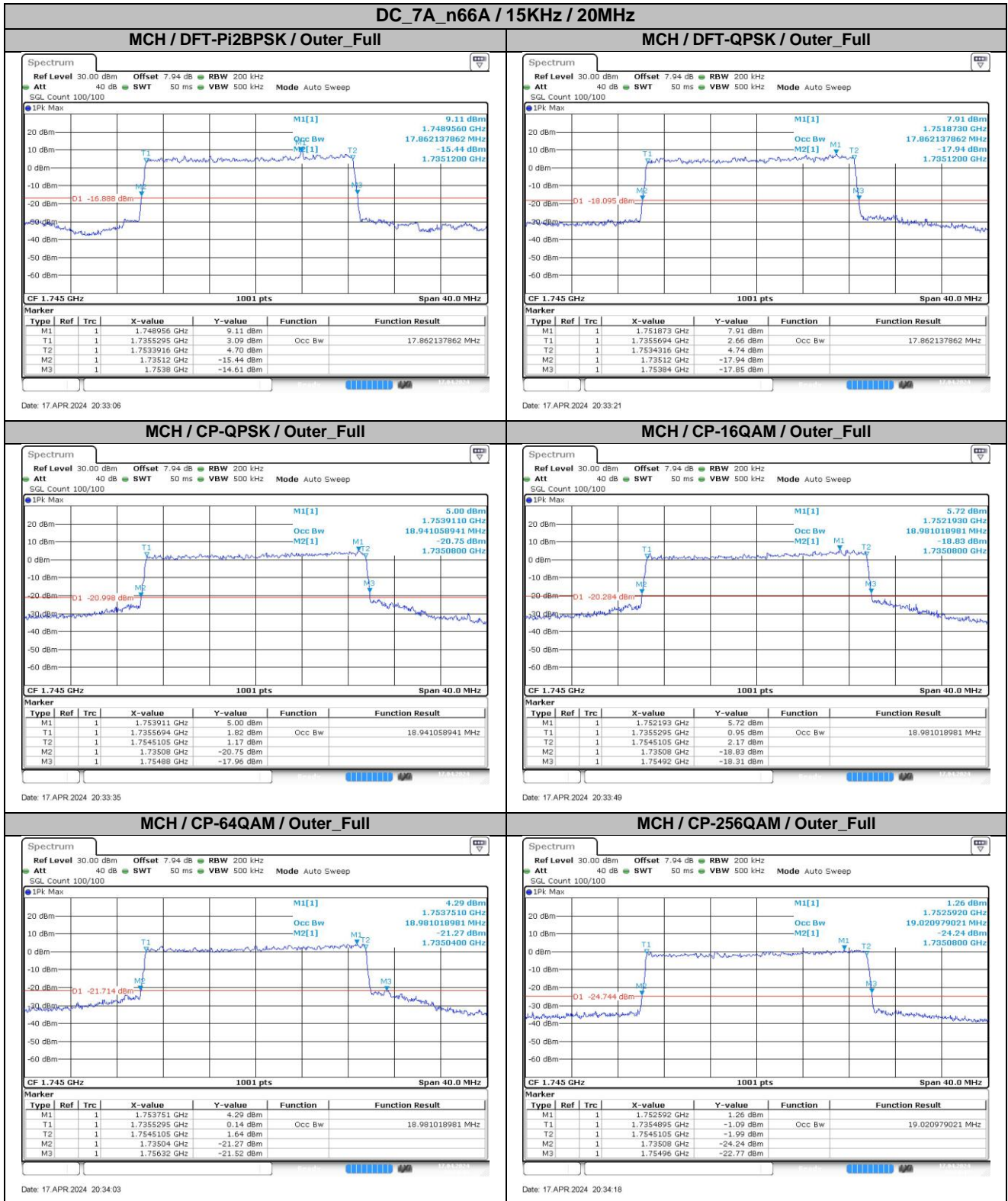
SCS	Bandwidth	Modulation	RB Config	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.48	4.91	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.47	4.88	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.49	4.93	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.49	4.95	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.48	4.99	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.49	4.98	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.93	9.42	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.95	9.52	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.29	9.98	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.27	9.86	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.29	9.84	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.31	9.98	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.46	14.22	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.43	14.22	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.15	14.91	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.15	14.94	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.12	14.94	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.15	15.00	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.86	18.68	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.86	18.72	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.94	19.80	Pass
15KHz	20MHz	CP-16QAM	Outer_Full	18.98	19.84	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	18.98	21.28	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	19.02	19.88	Pass
15KHz	30MHz	DFT-Pi2BPSK	Outer_Full	28.59	29.64	Pass
15KHz	30MHz	DFT-QPSK	Outer_Full	28.65	29.64	Pass
15KHz	30MHz	CP-QPSK	Outer_Full	28.53	29.70	Pass
15KHz	30MHz	CP-16QAM	Outer_Full	28.59	29.70	Pass
15KHz	30MHz	CP-64QAM	Outer_Full	28.59	29.64	Pass
15KHz	30MHz	CP-256QAM	Outer_Full	28.65	29.64	Pass
15KHz	40MHz	DFT-Pi2BPSK	Outer_Full	38.60	40.00	Pass
15KHz	40MHz	DFT-QPSK	Outer_Full	38.76	40.08	Pass
15KHz	40MHz	CP-QPSK	Outer_Full	38.60	40.08	Pass
15KHz	40MHz	CP-16QAM	Outer_Full	38.60	40.08	Pass
15KHz	40MHz	CP-64QAM	Outer_Full	38.60	40.16	Pass
15KHz	40MHz	CP-256QAM	Outer_Full	38.60	40.08	Pass

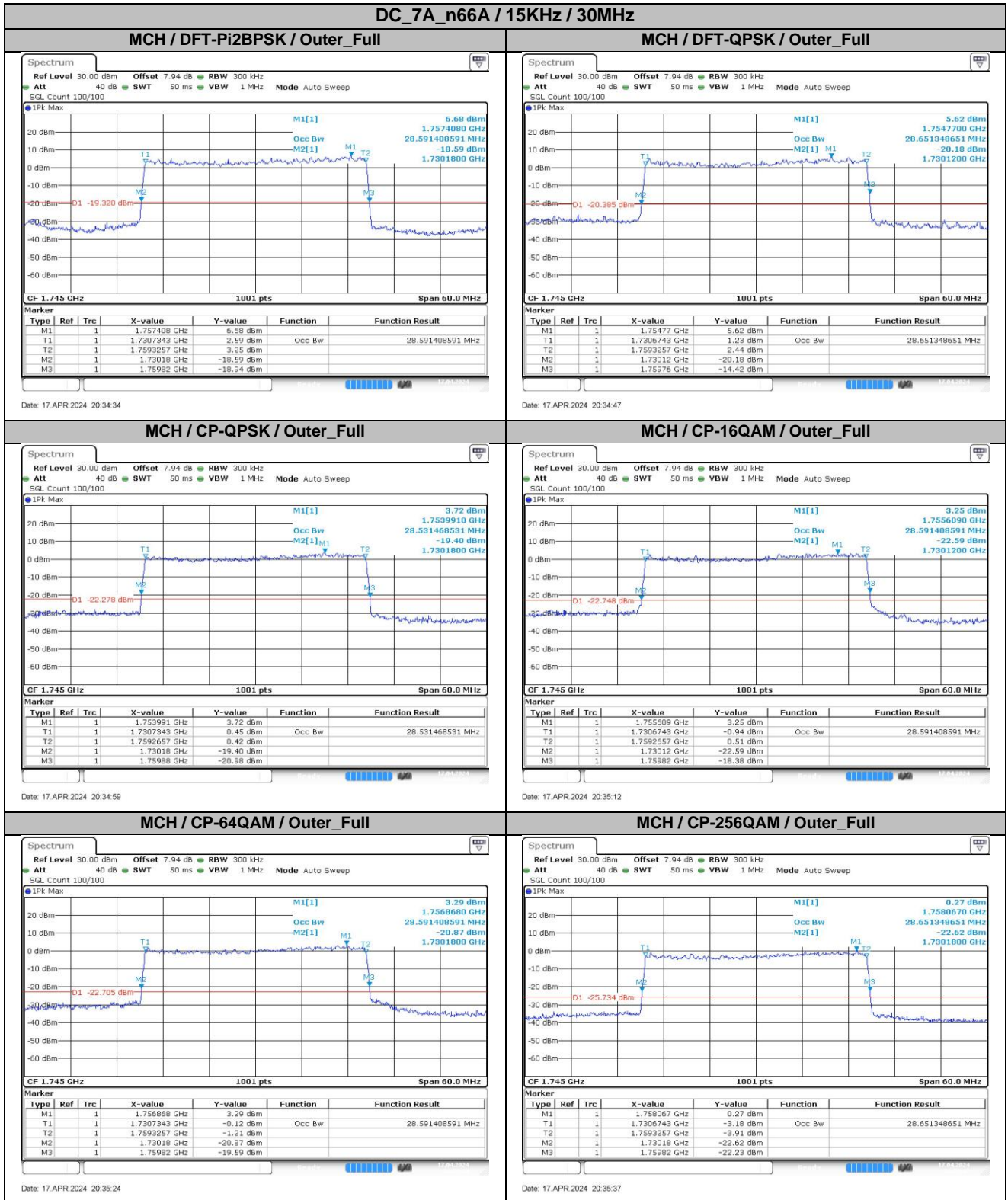
4.2. Test Plots

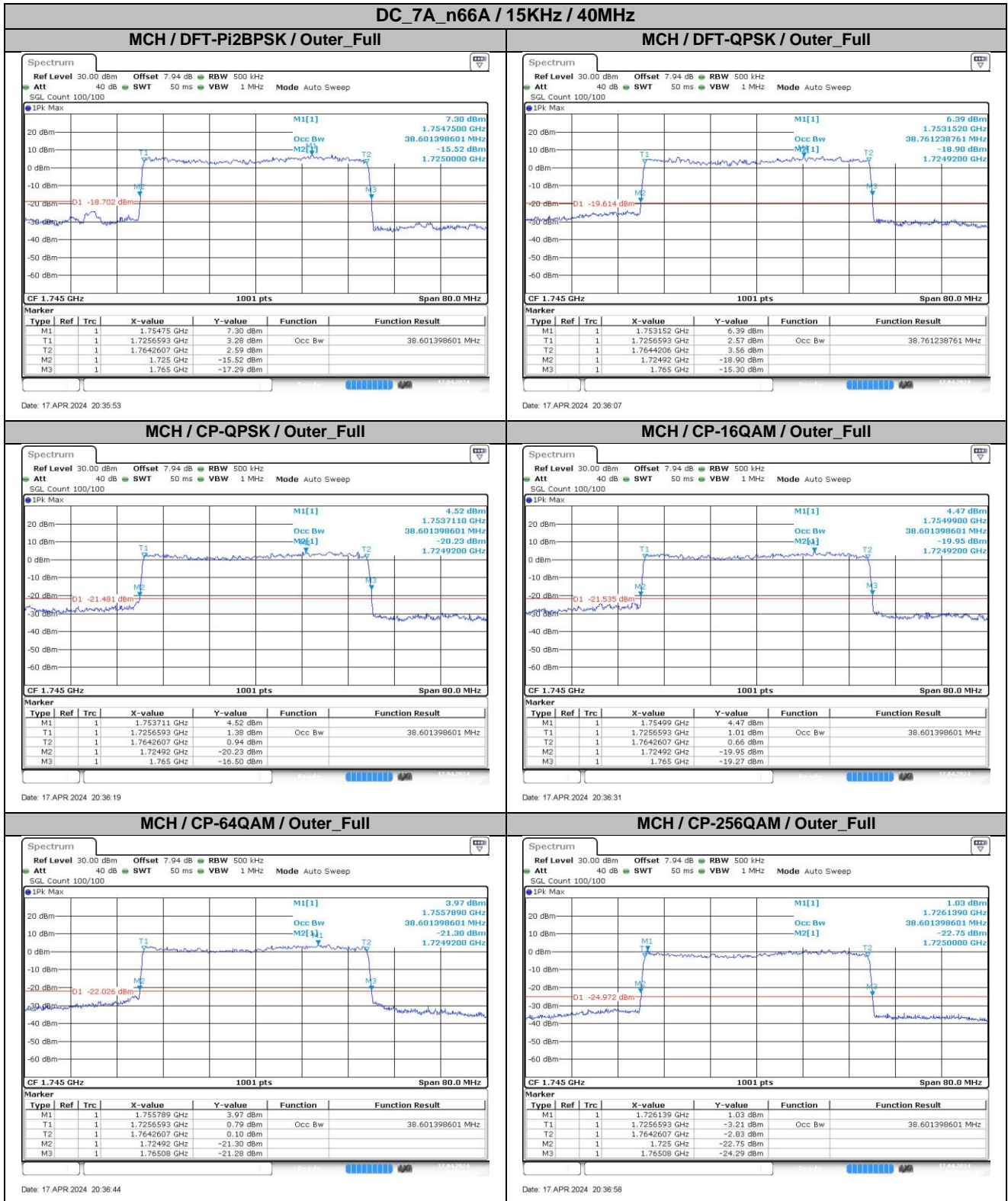












5. Conducted Band Edges

5.1. Test Plots

