

**Appendix  
for  
DC\_7A\_n66A  
(1710-1780)**

## Catalogue

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## 1. Effective Isotropic Radiated Power

### 1.1. Test Results @ Ant4 (Antenna Gain=-4.70dBi)

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	22.64	22.83	22.59	18.13	30.00	Pass
15KHz	5MHz	LCH	DFT-QPSK	22.55	22.56	22.56	17.86	30.00	Pass
15KHz	5MHz	LCH	DFT-16QAM	21.60	21.55	21.61	16.91	30.00	Pass
15KHz	5MHz	LCH	DFT-64QAM	19.85	19.91	20.13	15.43	30.00	Pass
15KHz	5MHz	LCH	DFT-256QAM	17.51	17.52	17.91	13.21	30.00	Pass
15KHz	5MHz	LCH	CP-QPSK	20.91	20.91	20.82	16.21	30.00	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	22.63	22.75	22.64	18.05	30.00	Pass
15KHz	5MHz	MCH	DFT-QPSK	22.64	22.72	22.60	18.02	30.00	Pass
15KHz	5MHz	MCH	DFT-16QAM	21.74	21.82	21.74	17.12	30.00	Pass
15KHz	5MHz	MCH	DFT-64QAM	20.05	20.14	20.28	15.58	30.00	Pass
15KHz	5MHz	MCH	DFT-256QAM	17.87	17.86	18.10	13.40	30.00	Pass
15KHz	5MHz	MCH	CP-QPSK	21.22	21.18	21.08	16.52	30.00	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	22.40	22.40	22.43	17.73	30.00	Pass
15KHz	5MHz	HCH	DFT-QPSK	22.35	22.34	22.39	17.69	30.00	Pass
15KHz	5MHz	HCH	DFT-16QAM	21.42	21.46	21.35	16.76	30.00	Pass
15KHz	5MHz	HCH	DFT-64QAM	19.75	19.76	19.88	15.18	30.00	Pass
15KHz	5MHz	HCH	DFT-256QAM	17.59	17.51	17.90	13.20	30.00	Pass
15KHz	5MHz	HCH	CP-QPSK	20.92	20.86	20.82	16.22	30.00	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	22.70	22.70	22.80	18.10	30.00	Pass
15KHz	10MHz	LCH	DFT-QPSK	22.51	22.58	22.59	17.89	30.00	Pass
15KHz	10MHz	LCH	DFT-16QAM	21.54	21.58	21.55	16.88	30.00	Pass
15KHz	10MHz	LCH	DFT-64QAM	19.83	19.90	19.95	15.25	30.00	Pass
15KHz	10MHz	LCH	DFT-256QAM	17.53	17.60	17.94	13.24	30.00	Pass
15KHz	10MHz	LCH	CP-QPSK	20.92	20.99	21.02	16.32	30.00	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	22.52	22.76	22.75	18.06	30.00	Pass
15KHz	10MHz	MCH	DFT-QPSK	22.64	22.62	22.70	18.00	30.00	Pass
15KHz	10MHz	MCH	DFT-16QAM	21.69	21.64	21.76	17.06	30.00	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.06	20.15	20.13	15.45	30.00	Pass
15KHz	10MHz	MCH	DFT-256QAM	17.71	17.80	18.07	13.37	30.00	Pass
15KHz	10MHz	MCH	CP-QPSK	21.07	21.10	21.16	16.46	30.00	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	22.33	22.23	22.44	17.74	30.00	Pass
15KHz	10MHz	HCH	DFT-QPSK	22.42	22.26	22.43	17.73	30.00	Pass
15KHz	10MHz	HCH	DFT-16QAM	21.38	21.30	21.39	16.69	30.00	Pass
15KHz	10MHz	HCH	DFT-64QAM	19.85	19.80	19.82	15.15	30.00	Pass
15KHz	10MHz	HCH	DFT-256QAM	17.55	17.39	17.77	13.07	30.00	Pass
15KHz	10MHz	HCH	CP-QPSK	20.99	20.77	20.80	16.29	30.00	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	22.49	22.59	22.60	17.90	30.00	Pass
15KHz	15MHz	LCH	DFT-QPSK	22.41	22.37	22.38	17.71	30.00	Pass
15KHz	15MHz	LCH	DFT-16QAM	21.38	21.51	21.38	16.81	30.00	Pass
15KHz	15MHz	LCH	DFT-64QAM	19.73	19.78	19.80	15.10	30.00	Pass
15KHz	15MHz	LCH	DFT-256QAM	17.38	17.52	17.69	12.99	30.00	Pass
15KHz	15MHz	LCH	CP-QPSK	20.95	21.03	20.86	16.33	30.00	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	22.43	22.63	22.66	17.96	30.00	Pass
15KHz	15MHz	MCH	DFT-QPSK	22.56	22.68	22.60	17.98	30.00	Pass
15KHz	15MHz	MCH	DFT-16QAM	21.63	21.70	21.57	17.00	30.00	Pass
15KHz	15MHz	MCH	DFT-64QAM	20.03	20.11	20.11	15.41	30.00	Pass
15KHz	15MHz	MCH	DFT-256QAM	17.61	17.82	17.97	13.27	30.00	Pass
15KHz	15MHz	MCH	CP-QPSK	21.13	21.23	21.08	16.53	30.00	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	22.31	22.29	22.39	17.69	30.00	Pass
15KHz	15MHz	HCH	DFT-QPSK	22.37	22.17	22.25	17.67	30.00	Pass
15KHz	15MHz	HCH	DFT-16QAM	21.41	21.26	21.32	16.71	30.00	Pass
15KHz	15MHz	HCH	DFT-64QAM	19.79	19.65	19.88	15.18	30.00	Pass
15KHz	15MHz	HCH	DFT-256QAM	17.53	17.38	17.72	13.02	30.00	Pass
15KHz	15MHz	HCH	CP-QPSK	20.89	20.72	20.85	16.19	30.00	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	22.51	22.53	22.50	17.83	30.00	Pass
15KHz	20MHz	LCH	DFT-QPSK	22.45	22.39	22.36	17.75	30.00	Pass
15KHz	20MHz	LCH	DFT-16QAM	21.39	21.48	21.36	16.78	30.00	Pass
15KHz	20MHz	LCH	DFT-64QAM	19.70	19.79	19.85	15.15	30.00	Pass

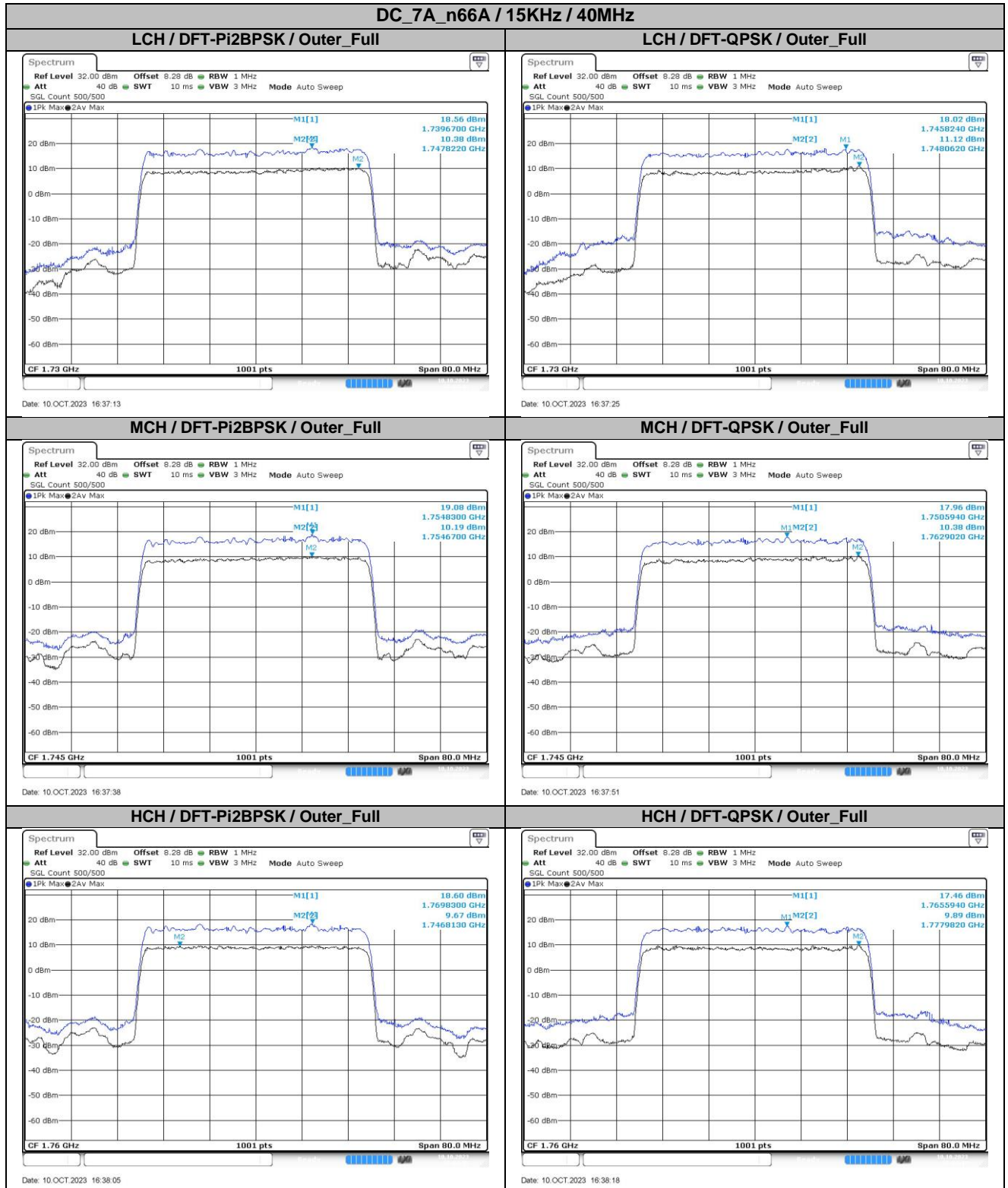
15KHz	20MHz	LCH	DFT-256QAM	17.34	17.43	17.89	13.19	30.00	Pass
15KHz	20MHz	LCH	CP-QPSK	20.96	20.88	20.74	16.26	30.00	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	22.53	22.61	22.48	17.91	30.00	Pass
15KHz	20MHz	MCH	DFT-QPSK	22.51	22.57	22.61	17.91	30.00	Pass
15KHz	20MHz	MCH	DFT-16QAM	21.62	21.71	21.60	17.01	30.00	Pass
15KHz	20MHz	MCH	DFT-64QAM	19.94	20.09	20.13	15.43	30.00	Pass
15KHz	20MHz	MCH	DFT-256QAM	17.66	17.73	18.01	13.31	30.00	Pass
15KHz	20MHz	MCH	CP-QPSK	21.18	21.11	21.07	16.48	30.00	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	22.32	22.25	22.30	17.62	30.00	Pass
15KHz	20MHz	HCH	DFT-QPSK	22.33	22.22	22.36	17.66	30.00	Pass
15KHz	20MHz	HCH	DFT-16QAM	21.50	21.30	21.35	16.80	30.00	Pass
15KHz	20MHz	HCH	DFT-64QAM	19.79	19.66	19.88	15.18	30.00	Pass
15KHz	20MHz	HCH	DFT-256QAM	17.49	17.35	17.84	13.14	30.00	Pass
15KHz	20MHz	HCH	CP-QPSK	20.90	20.66	20.85	16.20	30.00	Pass
15KHz	30MHz	LCH	DFT-Pi2BPSK	22.61	22.44	22.70	18.00	30.00	Pass
15KHz	30MHz	LCH	DFT-QPSK	22.37	22.39	22.39	17.69	30.00	Pass
15KHz	30MHz	LCH	DFT-16QAM	21.38	21.42	21.38	16.72	30.00	Pass
15KHz	30MHz	LCH	DFT-64QAM	19.79	19.78	19.93	15.23	30.00	Pass
15KHz	30MHz	LCH	DFT-256QAM	17.57	17.60	17.85	13.15	30.00	Pass
15KHz	30MHz	LCH	CP-QPSK	20.83	20.85	20.89	16.19	30.00	Pass
15KHz	30MHz	MCH	DFT-Pi2BPSK	22.49	22.50	22.58	17.88	30.00	Pass
15KHz	30MHz	MCH	DFT-QPSK	22.54	22.54	22.62	17.92	30.00	Pass
15KHz	30MHz	MCH	DFT-16QAM	21.60	21.65	21.62	16.95	30.00	Pass
15KHz	30MHz	MCH	DFT-64QAM	20.00	20.05	20.14	15.44	30.00	Pass
15KHz	30MHz	MCH	DFT-256QAM	17.76	17.88	18.01	13.31	30.00	Pass
15KHz	30MHz	MCH	CP-QPSK	21.07	21.10	21.16	16.46	30.00	Pass
15KHz	30MHz	HCH	DFT-Pi2BPSK	22.30	22.19	22.49	17.79	30.00	Pass
15KHz	30MHz	HCH	DFT-QPSK	22.31	22.19	22.53	17.83	30.00	Pass
15KHz	30MHz	HCH	DFT-16QAM	21.35	21.24	21.49	16.79	30.00	Pass
15KHz	30MHz	HCH	DFT-64QAM	20.00	19.85	20.04	15.34	30.00	Pass
15KHz	30MHz	HCH	DFT-256QAM	17.58	17.46	17.95	13.25	30.00	Pass
15KHz	30MHz	HCH	CP-QPSK	20.89	20.69	20.98	16.28	30.00	Pass
15KHz	40MHz	LCH	DFT-Pi2BPSK	22.45	22.55	22.50	17.85	30.00	Pass
15KHz	40MHz	LCH	DFT-QPSK	22.55	22.37	22.45	17.85	30.00	Pass
15KHz	40MHz	LCH	DFT-16QAM	21.41	21.63	21.47	16.93	30.00	Pass
15KHz	40MHz	LCH	DFT-64QAM	19.80	19.92	19.93	15.23	30.00	Pass
15KHz	40MHz	LCH	DFT-256QAM	17.65	17.82	17.94	13.24	30.00	Pass
15KHz	40MHz	LCH	CP-QPSK	20.85	21.02	20.95	16.32	30.00	Pass
15KHz	40MHz	MCH	DFT-Pi2BPSK	22.53	22.50	22.60	17.90	30.00	Pass
15KHz	40MHz	MCH	DFT-QPSK	22.57	22.49	22.65	17.95	30.00	Pass
15KHz	40MHz	MCH	DFT-16QAM	21.53	21.61	21.61	16.91	30.00	Pass
15KHz	40MHz	MCH	DFT-64QAM	19.92	19.96	20.13	15.43	30.00	Pass
15KHz	40MHz	MCH	DFT-256QAM	17.72	17.82	18.14	13.44	30.00	Pass
15KHz	40MHz	MCH	CP-QPSK	21.00	21.08	21.18	16.48	30.00	Pass
15KHz	40MHz	HCH	DFT-Pi2BPSK	22.30	22.19	22.46	17.76	30.00	Pass
15KHz	40MHz	HCH	DFT-QPSK	22.24	22.22	22.49	17.79	30.00	Pass
15KHz	40MHz	HCH	DFT-16QAM	21.47	21.27	21.48	16.78	30.00	Pass
15KHz	40MHz	HCH	DFT-64QAM	19.84	19.67	20.00	15.30	30.00	Pass
15KHz	40MHz	HCH	DFT-256QAM	17.57	17.53	17.92	13.22	30.00	Pass
15KHz	40MHz	HCH	CP-QPSK	20.87	20.72	20.98	16.28	30.00	Pass

## 2. Peak-to-Average Ratio

### 2.1. Test Results

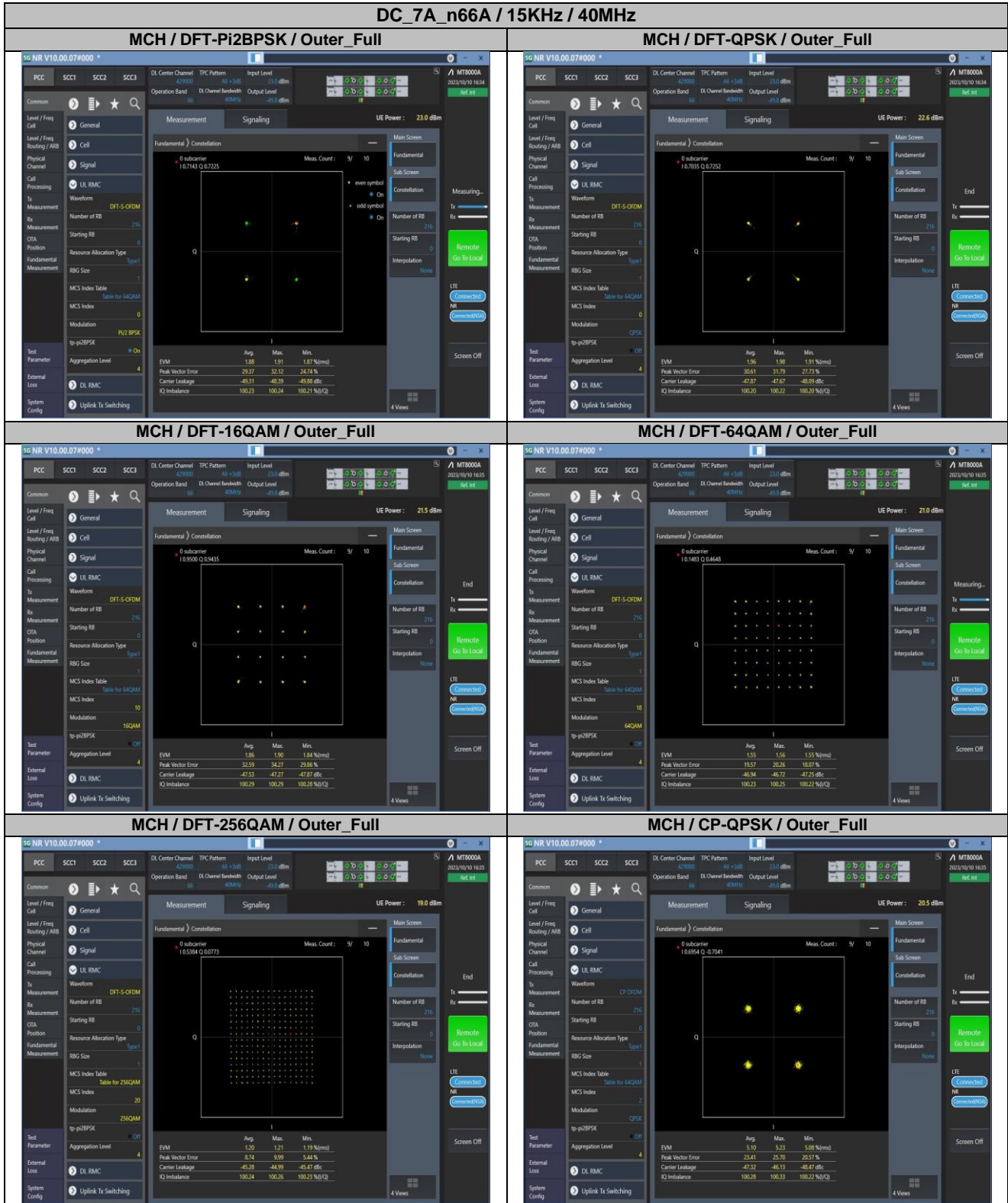
SCS	Bandwidth	Channel	Modulation	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	40MHz	LCH	Outer_Full	8.18	6.90	13.00	Pass
15KHz	40MHz	MCH	Outer_Full	8.89	7.58	13.00	Pass
15KHz	40MHz	HCH	Outer_Full	8.94	7.57	13.00	Pass

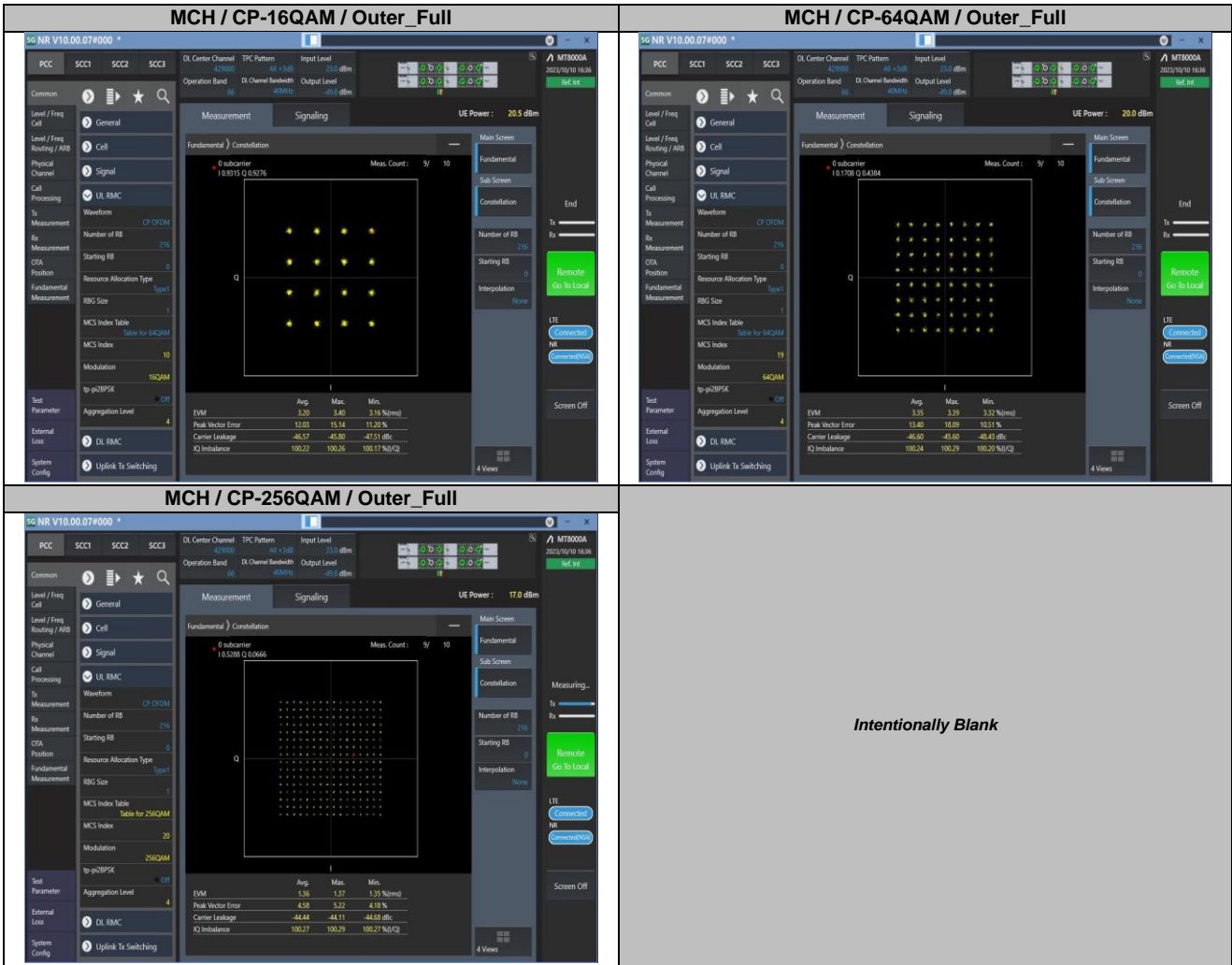
### 2.2. Test Plots



### 3. Modulation Characteristics

#### 3.1. Test Plots





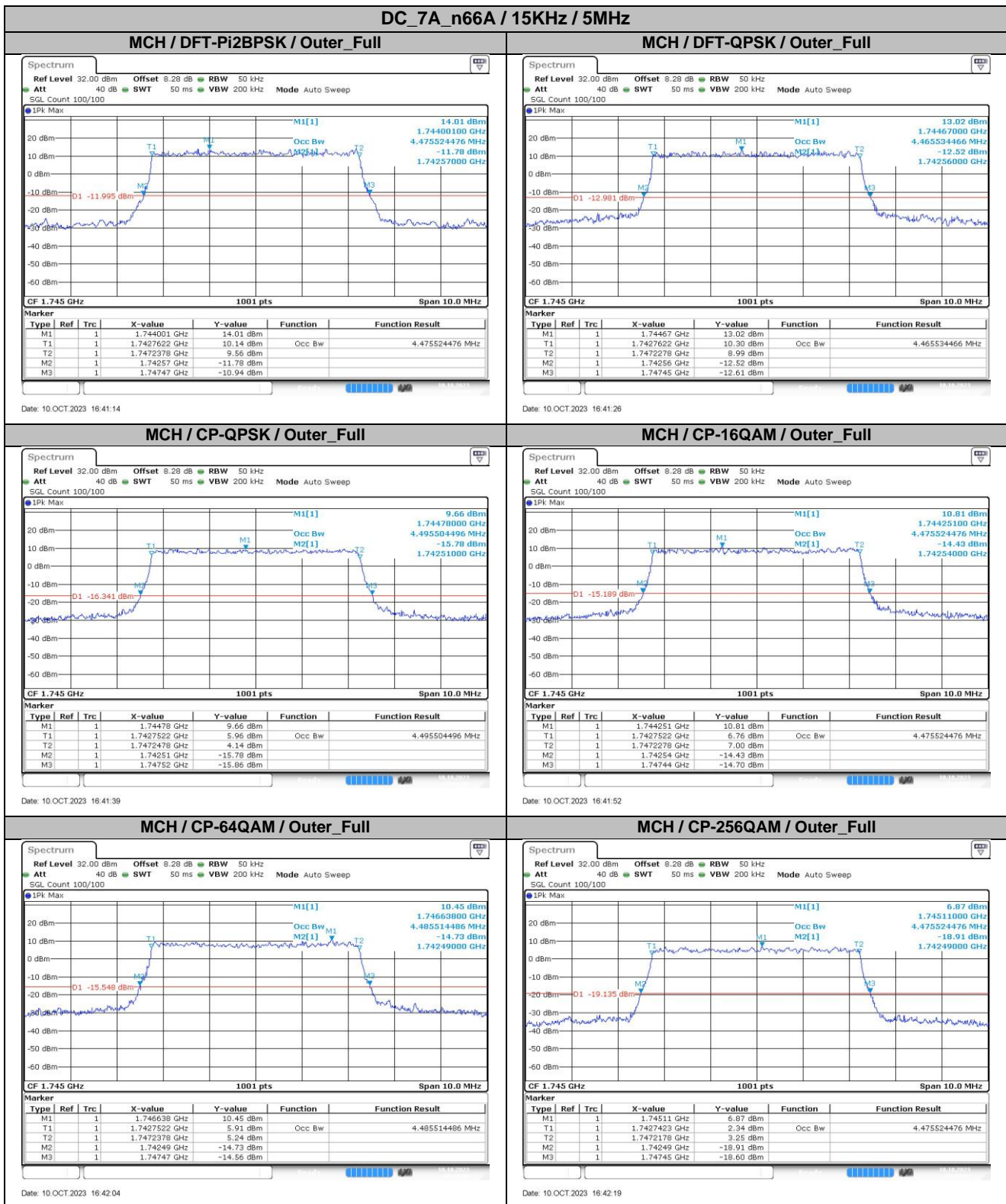
## 4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

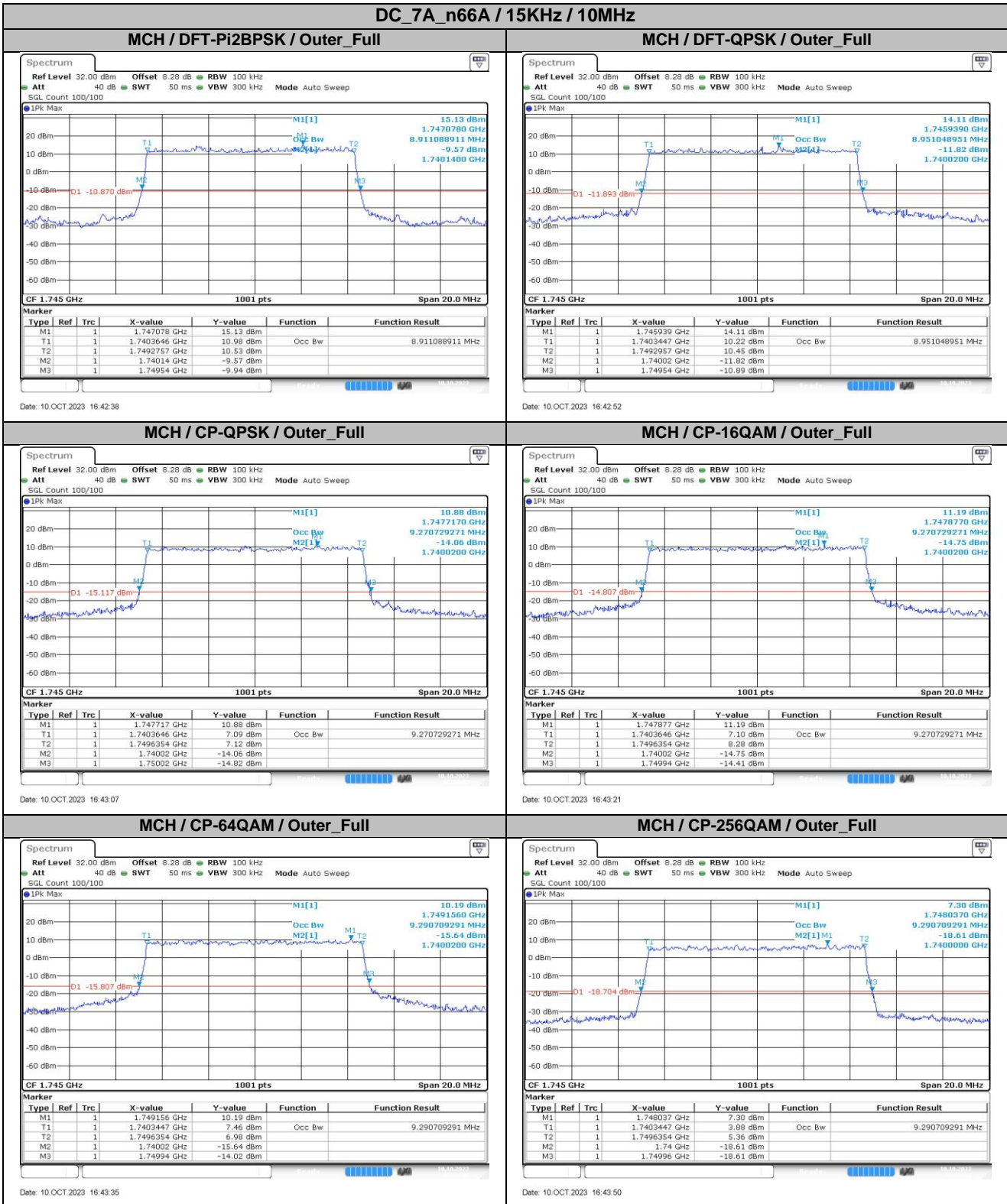
### 4.1. Test Results

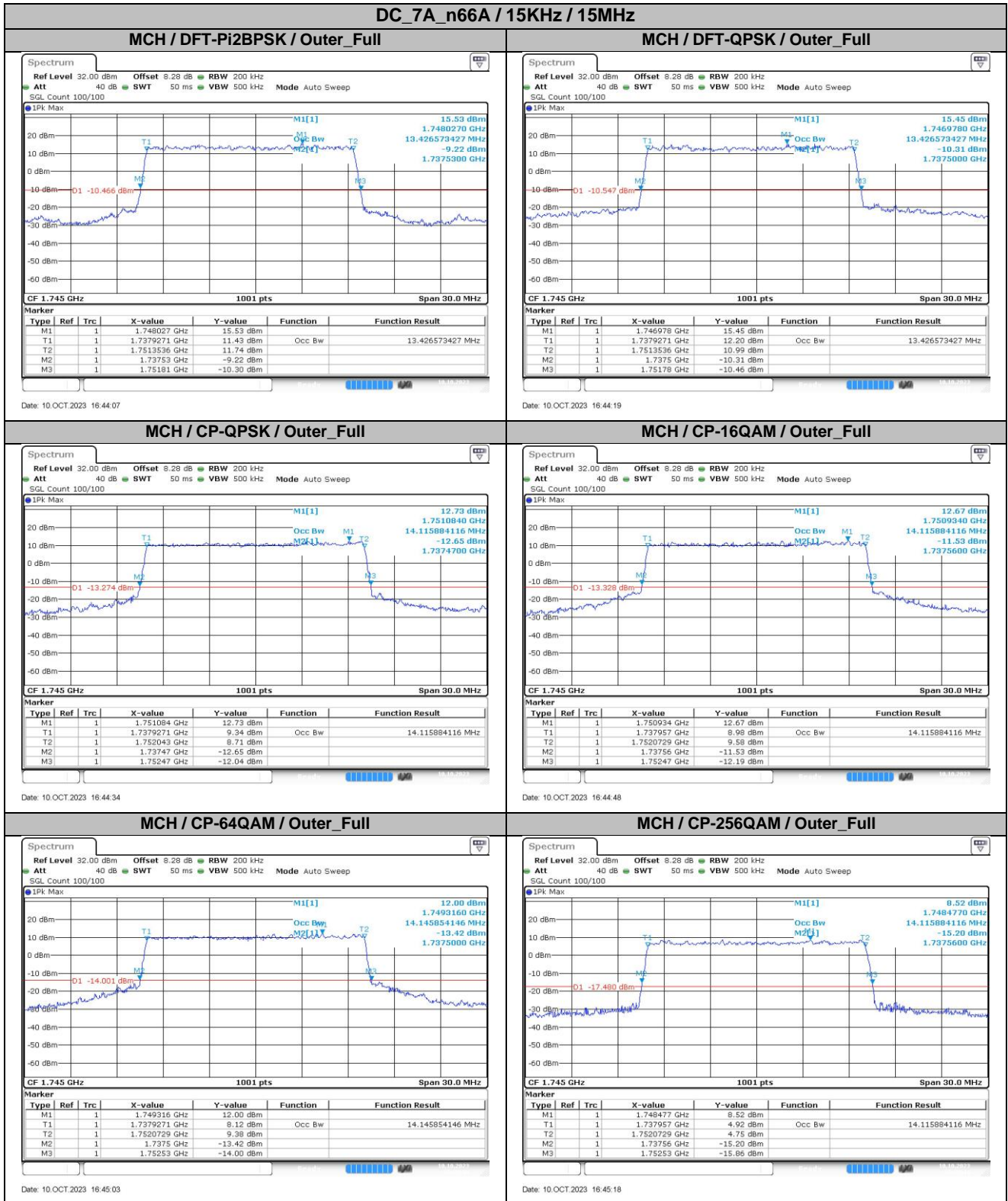
SCS	Bandwidth	Modulation	RB Config	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.48	4.90	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.47	4.89	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.50	5.01	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.48	4.90	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.49	4.98	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.48	4.96	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.91	9.40	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.95	9.52	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.27	10.00	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.27	9.92	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.29	9.92	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.29	9.96	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.43	14.28	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.43	14.28	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.12	15.00	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.12	14.91	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.15	15.03	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.12	14.97	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.82	18.72	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.86	18.72	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.90	21.48	Pass
15KHz	20MHz	CP-16QAM	Outer_Full	18.94	21.52	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	18.94	23.16	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	19.02	19.88	Pass
15KHz	30MHz	DFT-Pi2BPSK	Outer_Full	28.53	29.64	Pass
15KHz	30MHz	DFT-QPSK	Outer_Full	28.53	29.70	Pass
15KHz	30MHz	CP-QPSK	Outer_Full	28.53	29.70	Pass
15KHz	30MHz	CP-16QAM	Outer_Full	28.53	29.70	Pass
15KHz	30MHz	CP-64QAM	Outer_Full	28.47	31.02	Pass
15KHz	30MHz	CP-256QAM	Outer_Full	28.53	29.70	Pass
15KHz	40MHz	DFT-Pi2BPSK	Outer_Full	38.44	40.00	Pass
15KHz	40MHz	DFT-QPSK	Outer_Full	38.52	40.08	Pass
15KHz	40MHz	CP-QPSK	Outer_Full	38.44	40.08	Pass
15KHz	40MHz	CP-16QAM	Outer_Full	38.44	40.00	Pass
15KHz	40MHz	CP-64QAM	Outer_Full	38.60	40.00	Pass
15KHz	40MHz	CP-256QAM	Outer_Full	38.52	40.00	Pass

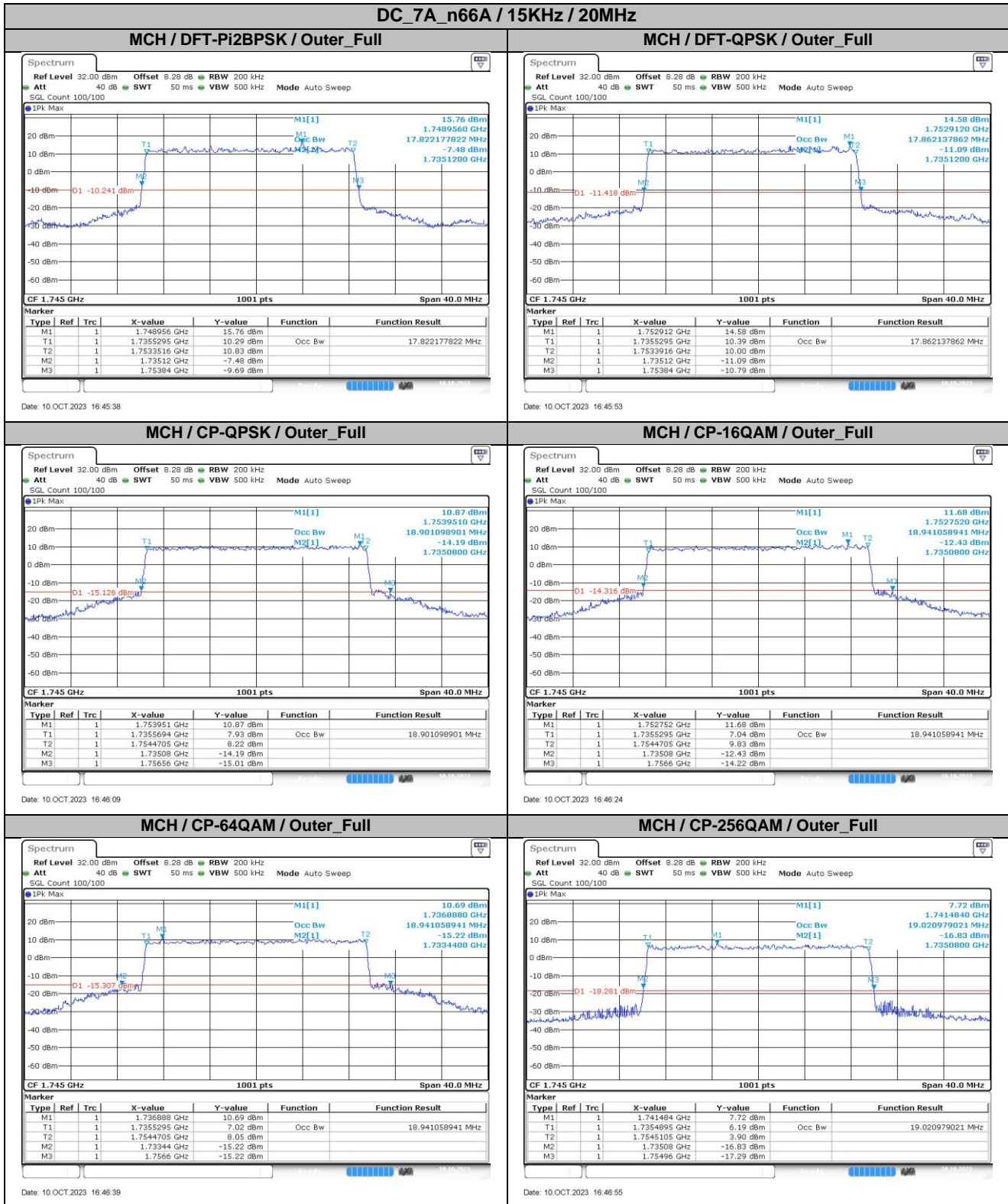


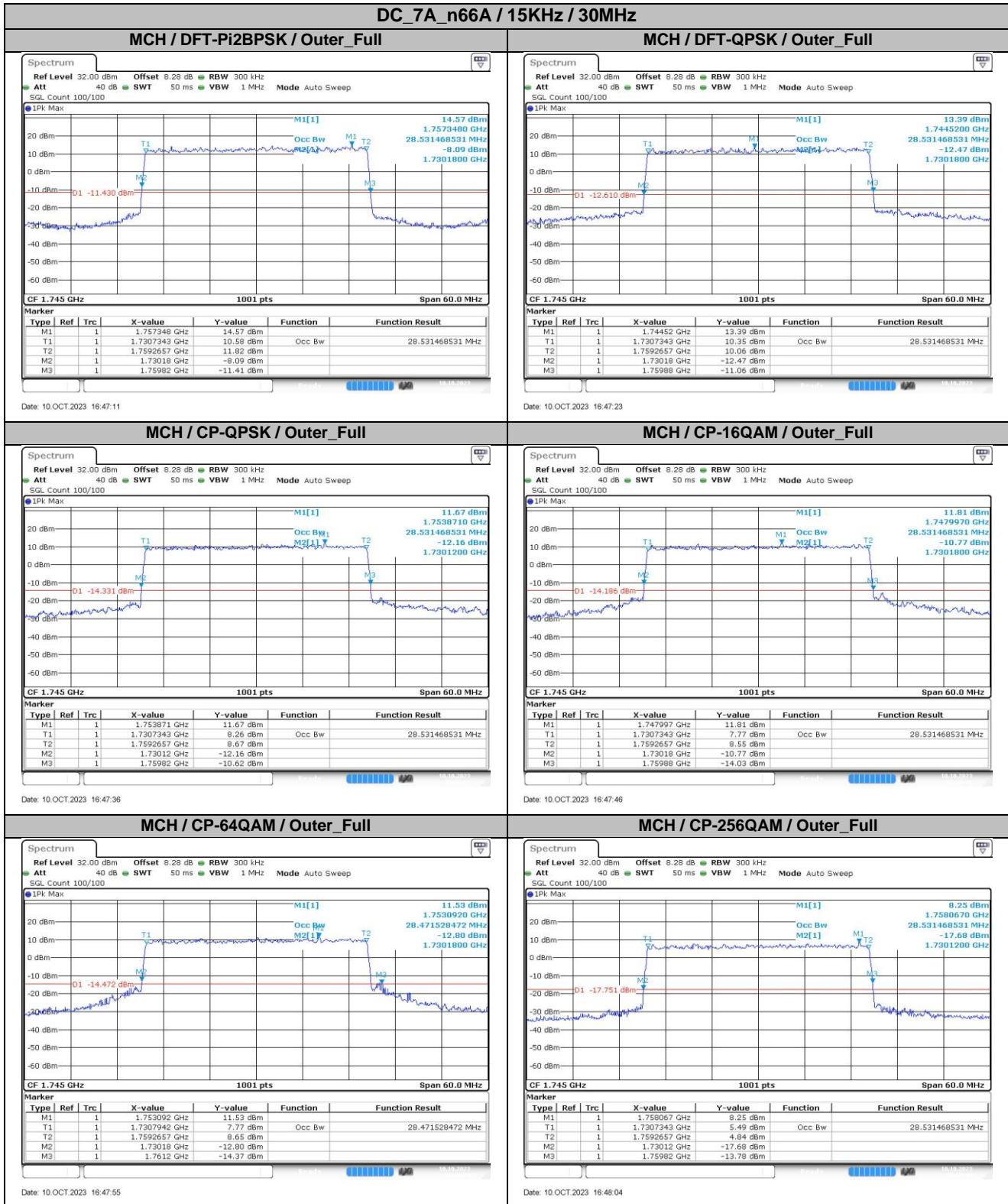
4.2. Test Plots



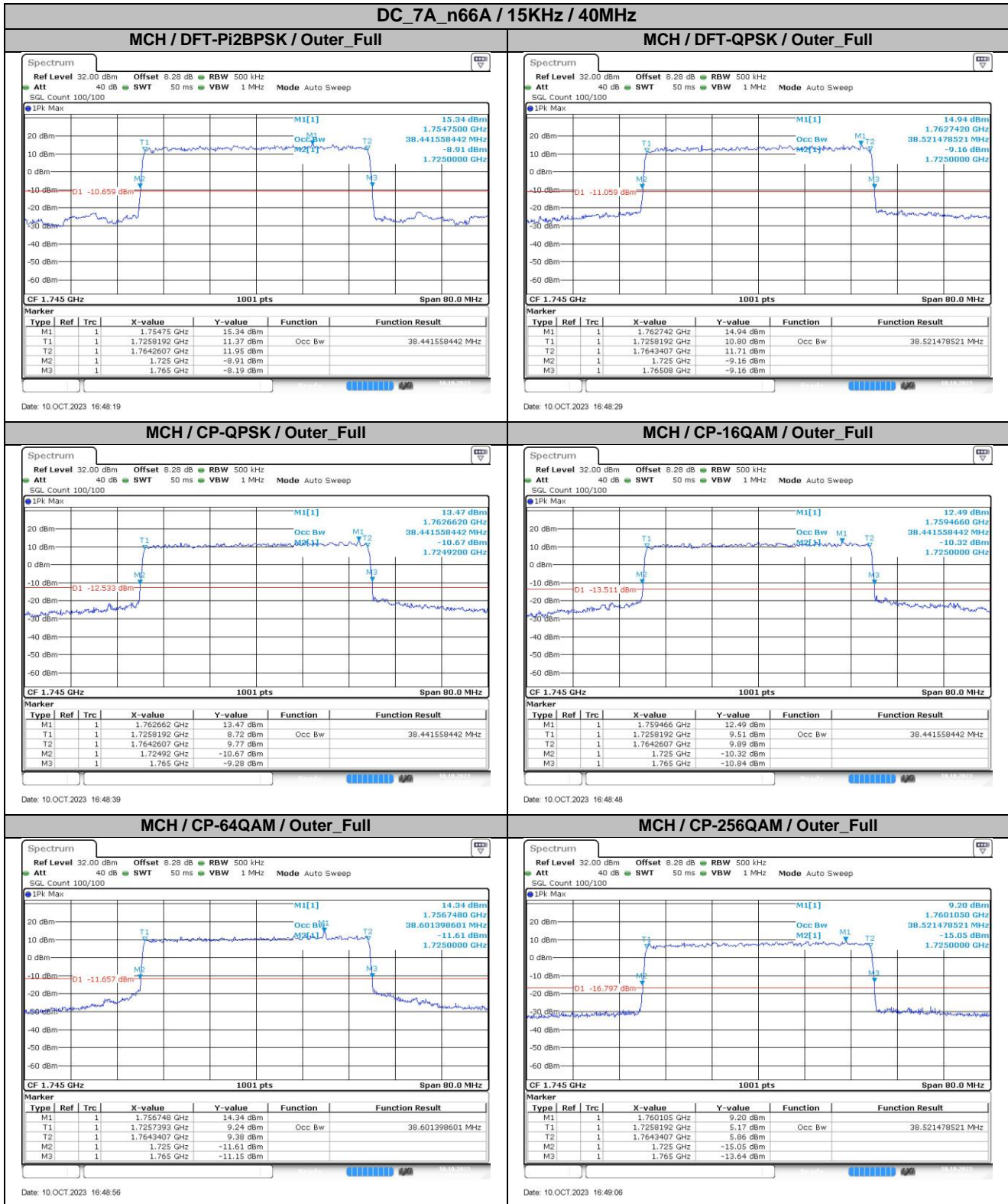












### 5. Conducted Band Edges

#### 5.1. Test Plots

