

**Appendix  
for  
DC\_4A\_n38A  
(2570-2620)**

## Catalogue

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## 1. Effective Isotropic Radiated Power

### 1.1. Test Results @ Ant1 (Antenna Gain=-1.80dBi)

SCS	Bandwidth	Channel	Modulation	Conducted Result (dBm)			Max EIRP (dBm)	Limit (dBm)	Verdict
				Inner_1RB_Left	Inner_1RB_Right	Inner_Full			
30KHz	10MHz	LCH	DFT-Pi2BPSK	23.61	23.55	23.59	21.81	33.00	Pass
30KHz	10MHz	LCH	DFT-QPSK	23.69	23.68	23.81	22.01	33.00	Pass
30KHz	10MHz	LCH	DFT-16QAM	22.50	22.47	22.77	20.97	33.00	Pass
30KHz	10MHz	LCH	DFT-64QAM	21.20	21.13	21.25	19.45	33.00	Pass
30KHz	10MHz	LCH	DFT-256QAM	19.26	19.20	19.44	17.64	33.00	Pass
30KHz	10MHz	LCH	CP-QPSK	22.40	22.29	22.09	20.60	33.00	Pass
30KHz	10MHz	MCH	DFT-Pi2BPSK	23.77	23.71	23.87	22.07	33.00	Pass
30KHz	10MHz	MCH	DFT-QPSK	23.72	23.66	23.71	21.92	33.00	Pass
30KHz	10MHz	MCH	DFT-16QAM	22.59	22.62	22.83	21.03	33.00	Pass
30KHz	10MHz	MCH	DFT-64QAM	21.18	21.26	21.33	19.53	33.00	Pass
30KHz	10MHz	MCH	DFT-256QAM	19.31	19.36	19.45	17.65	33.00	Pass
30KHz	10MHz	MCH	CP-QPSK	22.46	22.49	22.29	20.69	33.00	Pass
30KHz	10MHz	HCH	DFT-Pi2BPSK	23.59	23.55	23.55	21.79	33.00	Pass
30KHz	10MHz	HCH	DFT-QPSK	23.61	23.47	23.69	21.89	33.00	Pass
30KHz	10MHz	HCH	DFT-16QAM	22.47	22.47	22.78	20.98	33.00	Pass
30KHz	10MHz	HCH	DFT-64QAM	21.17	21.11	21.27	19.47	33.00	Pass
30KHz	10MHz	HCH	DFT-256QAM	19.20	19.21	19.37	17.57	33.00	Pass
30KHz	10MHz	HCH	CP-QPSK	22.35	22.34	22.04	20.55	33.00	Pass
30KHz	15MHz	LCH	DFT-Pi2BPSK	23.76	23.57	23.61	21.96	33.00	Pass
30KHz	15MHz	LCH	DFT-QPSK	23.71	23.56	23.61	21.91	33.00	Pass
30KHz	15MHz	LCH	DFT-16QAM	22.44	22.35	22.70	20.90	33.00	Pass
30KHz	15MHz	LCH	DFT-64QAM	21.24	21.19	21.38	19.58	33.00	Pass
30KHz	15MHz	LCH	DFT-256QAM	19.21	19.18	19.25	17.45	33.00	Pass
30KHz	15MHz	LCH	CP-QPSK	22.32	22.18	22.16	20.52	33.00	Pass
30KHz	15MHz	MCH	DFT-Pi2BPSK	23.65	23.67	23.62	21.87	33.00	Pass
30KHz	15MHz	MCH	DFT-QPSK	23.64	23.70	23.62	21.90	33.00	Pass
30KHz	15MHz	MCH	DFT-16QAM	22.48	22.53	22.77	20.97	33.00	Pass
30KHz	15MHz	MCH	DFT-64QAM	21.26	21.39	21.41	19.61	33.00	Pass
30KHz	15MHz	MCH	DFT-256QAM	19.30	19.35	19.27	17.55	33.00	Pass
30KHz	15MHz	MCH	CP-QPSK	22.30	22.35	22.34	20.55	33.00	Pass
30KHz	15MHz	HCH	DFT-Pi2BPSK	23.66	23.55	23.52	21.86	33.00	Pass
30KHz	15MHz	HCH	DFT-QPSK	23.55	23.46	23.52	21.75	33.00	Pass
30KHz	15MHz	HCH	DFT-16QAM	22.41	22.36	22.65	20.85	33.00	Pass
30KHz	15MHz	HCH	DFT-64QAM	21.26	21.21	21.29	19.49	33.00	Pass
30KHz	15MHz	HCH	DFT-256QAM	19.20	19.19	19.16	17.40	33.00	Pass
30KHz	15MHz	HCH	CP-QPSK	22.27	22.26	22.19	20.47	33.00	Pass
30KHz	20MHz	LCH	DFT-Pi2BPSK	23.85	23.66	23.70	22.05	33.00	Pass
30KHz	20MHz	LCH	DFT-QPSK	23.64	23.67	23.67	21.87	33.00	Pass
30KHz	20MHz	LCH	DFT-16QAM	22.50	22.58	22.75	20.95	33.00	Pass
30KHz	20MHz	LCH	DFT-64QAM	21.19	21.29	21.27	19.49	33.00	Pass
30KHz	20MHz	LCH	DFT-256QAM	19.28	19.31	19.15	17.51	33.00	Pass
30KHz	20MHz	LCH	CP-QPSK	22.28	22.39	22.13	20.59	33.00	Pass
30KHz	20MHz	MCH	DFT-Pi2BPSK	23.59	23.69	23.69	21.89	33.00	Pass
30KHz	20MHz	MCH	DFT-QPSK	23.59	23.64	23.66	21.86	33.00	Pass
30KHz	20MHz	MCH	DFT-16QAM	22.43	22.51	22.79	20.99	33.00	Pass
30KHz	20MHz	MCH	DFT-64QAM	21.12	21.23	21.33	19.53	33.00	Pass
30KHz	20MHz	MCH	DFT-256QAM	19.22	19.30	19.27	17.50	33.00	Pass
30KHz	20MHz	MCH	CP-QPSK	22.27	22.41	22.26	20.61	33.00	Pass
30KHz	20MHz	HCH	DFT-Pi2BPSK	23.70	23.62	23.65	21.90	33.00	Pass
30KHz	20MHz	HCH	DFT-QPSK	23.67	23.50	23.67	21.87	33.00	Pass
30KHz	20MHz	HCH	DFT-16QAM	22.53	22.43	22.71	20.91	33.00	Pass
30KHz	20MHz	HCH	DFT-64QAM	21.26	21.26	21.27	19.47	33.00	Pass
30KHz	20MHz	HCH	DFT-256QAM	19.30	19.24	19.15	17.50	33.00	Pass
30KHz	20MHz	HCH	CP-QPSK	22.31	22.31	22.11	20.51	33.00	Pass
30KHz	25MHz	LCH	DFT-Pi2BPSK	23.59	23.58	23.65	21.85	33.00	Pass
30KHz	25MHz	LCH	DFT-QPSK	23.69	23.59	23.74	21.94	33.00	Pass
30KHz	25MHz	LCH	DFT-16QAM	22.54	22.55	22.75	20.95	33.00	Pass
30KHz	25MHz	LCH	DFT-64QAM	21.13	21.13	21.21	19.41	33.00	Pass

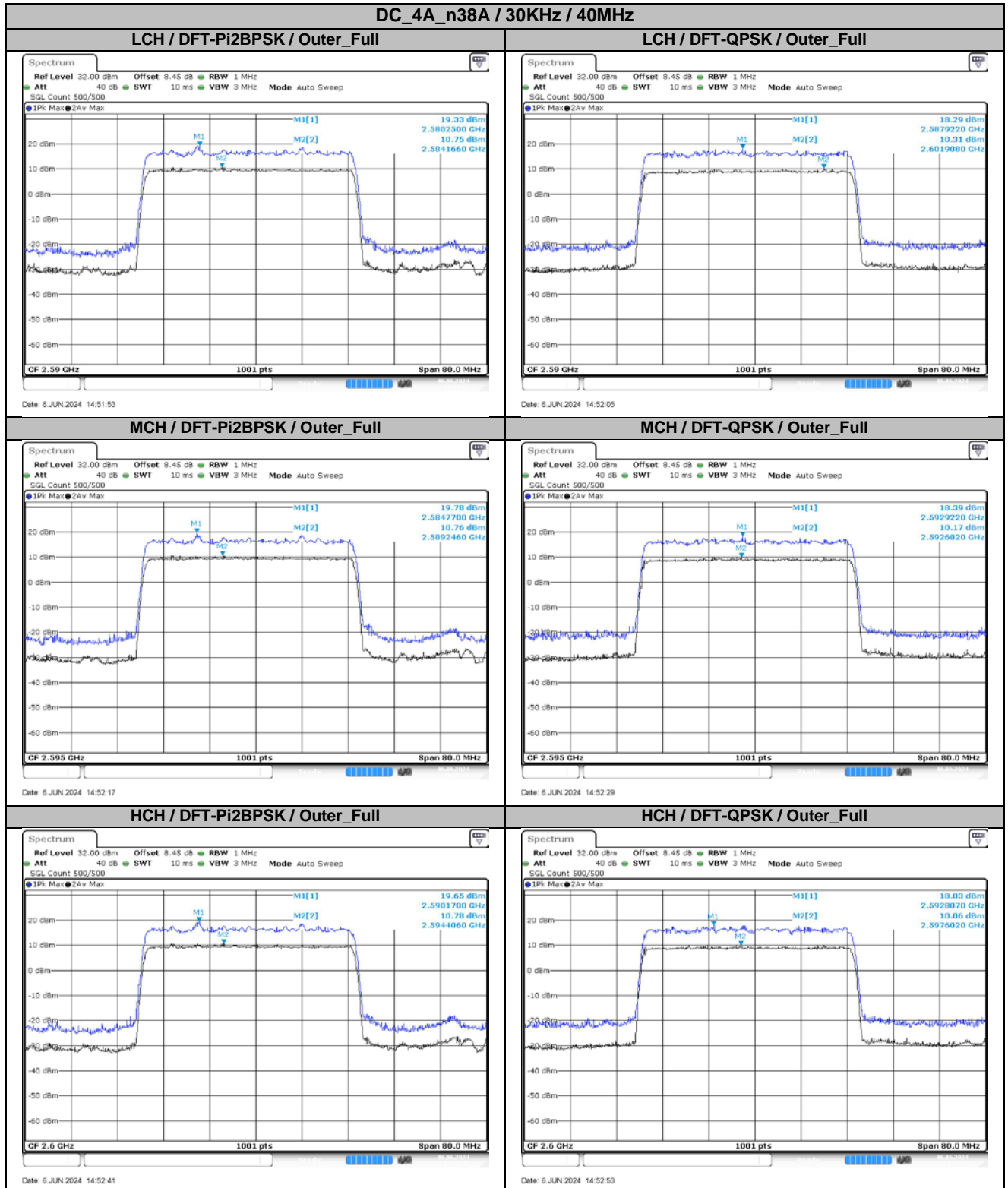
30KHz	25MHz	LCH	DFT-256QAM	19.28	19.29	19.27	17.49	33.00	Pass
30KHz	25MHz	LCH	CP-QPSK	22.28	22.39	22.20	20.59	33.00	Pass
30KHz	25MHz	MCH	DFT-Pi2BPSK	23.59	23.62	23.76	21.96	33.00	Pass
30KHz	25MHz	MCH	DFT-QPSK	23.58	23.54	23.72	21.92	33.00	Pass
30KHz	25MHz	MCH	DFT-16QAM	22.45	22.52	22.85	21.05	33.00	Pass
30KHz	25MHz	MCH	DFT-64QAM	21.09	21.19	21.29	19.49	33.00	Pass
30KHz	25MHz	MCH	DFT-256QAM	19.21	19.25	19.28	17.48	33.00	Pass
30KHz	25MHz	MCH	CP-QPSK	22.24	22.36	22.27	20.56	33.00	Pass
30KHz	25MHz	HCH	DFT-Pi2BPSK	23.62	23.57	23.73	21.93	33.00	Pass
30KHz	25MHz	HCH	DFT-QPSK	23.57	23.48	23.70	21.90	33.00	Pass
30KHz	25MHz	HCH	DFT-16QAM	22.56	22.49	22.75	20.95	33.00	Pass
30KHz	25MHz	HCH	DFT-64QAM	21.13	21.13	21.18	19.38	33.00	Pass
30KHz	25MHz	HCH	DFT-256QAM	19.28	19.21	19.25	17.48	33.00	Pass
30KHz	25MHz	HCH	CP-QPSK	22.38	22.28	22.23	20.58	33.00	Pass
30KHz	30MHz	LCH	DFT-Pi2BPSK	23.82	23.76	23.65	22.02	33.00	Pass
30KHz	30MHz	LCH	DFT-QPSK	23.67	23.72	23.61	21.92	33.00	Pass
30KHz	30MHz	LCH	DFT-16QAM	22.42	22.57	22.67	20.87	33.00	Pass
30KHz	30MHz	LCH	DFT-64QAM	21.24	21.33	21.18	19.53	33.00	Pass
30KHz	30MHz	LCH	DFT-256QAM	19.26	19.32	19.19	17.52	33.00	Pass
30KHz	30MHz	LCH	CP-QPSK	22.26	22.37	22.15	20.57	33.00	Pass
30KHz	30MHz	MCH	DFT-Pi2BPSK	23.63	23.71	23.67	21.91	33.00	Pass
30KHz	30MHz	MCH	DFT-QPSK	23.61	23.59	23.66	21.86	33.00	Pass
30KHz	30MHz	MCH	DFT-16QAM	22.29	22.48	22.71	20.91	33.00	Pass
30KHz	30MHz	MCH	DFT-64QAM	21.08	21.22	21.22	19.42	33.00	Pass
30KHz	30MHz	MCH	DFT-256QAM	19.15	19.28	19.24	17.48	33.00	Pass
30KHz	30MHz	MCH	CP-QPSK	22.08	22.30	22.21	20.50	33.00	Pass
30KHz	30MHz	HCH	DFT-Pi2BPSK	23.63	23.65	23.77	21.97	33.00	Pass
30KHz	30MHz	HCH	DFT-QPSK	23.56	23.59	23.56	21.79	33.00	Pass
30KHz	30MHz	HCH	DFT-16QAM	22.32	22.38	22.67	20.87	33.00	Pass
30KHz	30MHz	HCH	DFT-64QAM	21.03	21.08	21.21	19.41	33.00	Pass
30KHz	30MHz	HCH	DFT-256QAM	19.09	19.14	19.17	17.37	33.00	Pass
30KHz	30MHz	HCH	CP-QPSK	22.20	22.24	22.18	20.44	33.00	Pass
30KHz	40MHz	LCH	DFT-Pi2BPSK	23.68	23.65	23.67	21.88	33.00	Pass
30KHz	40MHz	LCH	DFT-QPSK	23.74	23.67	23.78	21.98	33.00	Pass
30KHz	40MHz	LCH	DFT-16QAM	22.67	22.69	22.82	21.02	33.00	Pass
30KHz	40MHz	LCH	DFT-64QAM	21.17	21.21	21.19	19.41	33.00	Pass
30KHz	40MHz	LCH	DFT-256QAM	19.35	19.46	19.31	17.66	33.00	Pass
30KHz	40MHz	LCH	CP-QPSK	22.39	22.47	22.26	20.67	33.00	Pass
30KHz	40MHz	MCH	DFT-Pi2BPSK	23.72	23.73	23.72	21.93	33.00	Pass
30KHz	40MHz	MCH	DFT-QPSK	23.69	23.68	23.72	21.92	33.00	Pass
30KHz	40MHz	MCH	DFT-16QAM	22.52	22.59	22.87	21.07	33.00	Pass
30KHz	40MHz	MCH	DFT-64QAM	21.12	21.20	21.23	19.43	33.00	Pass
30KHz	40MHz	MCH	DFT-256QAM	19.30	19.40	19.32	17.60	33.00	Pass
30KHz	40MHz	MCH	CP-QPSK	22.30	22.43	22.29	20.63	33.00	Pass
30KHz	40MHz	HCH	DFT-Pi2BPSK	23.66	23.66	23.74	21.94	33.00	Pass
30KHz	40MHz	HCH	DFT-QPSK	23.61	23.60	23.75	21.95	33.00	Pass
30KHz	40MHz	HCH	DFT-16QAM	22.46	22.58	22.84	21.04	33.00	Pass
30KHz	40MHz	HCH	DFT-64QAM	20.99	21.19	21.22	19.42	33.00	Pass
30KHz	40MHz	HCH	DFT-256QAM	19.18	19.36	19.31	17.56	33.00	Pass
30KHz	40MHz	HCH	CP-QPSK	22.22	22.44	22.26	20.64	33.00	Pass

## 2. Peak-to-Average Ratio

### 2.1. Test Results

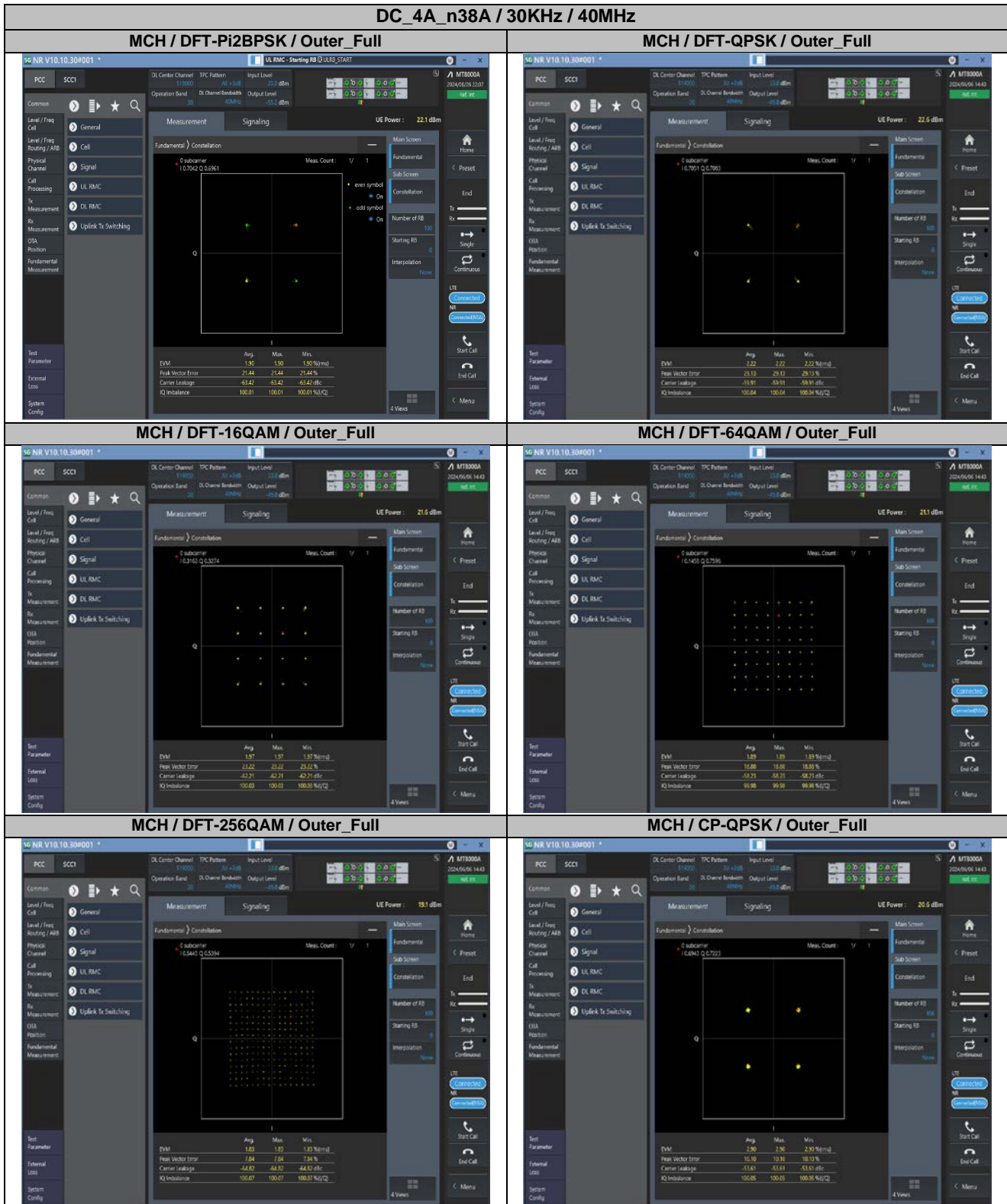
SCS	Bandwidth	Channel	RB	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
30KHz	40MHz	LCH	Outer_Full	8.58	7.98	13.00	Pass
30KHz	40MHz	MCH	Outer_Full	9.02	8.22	13.00	Pass
30KHz	40MHz	HCH	Outer_Full	8.87	7.97	13.00	Pass

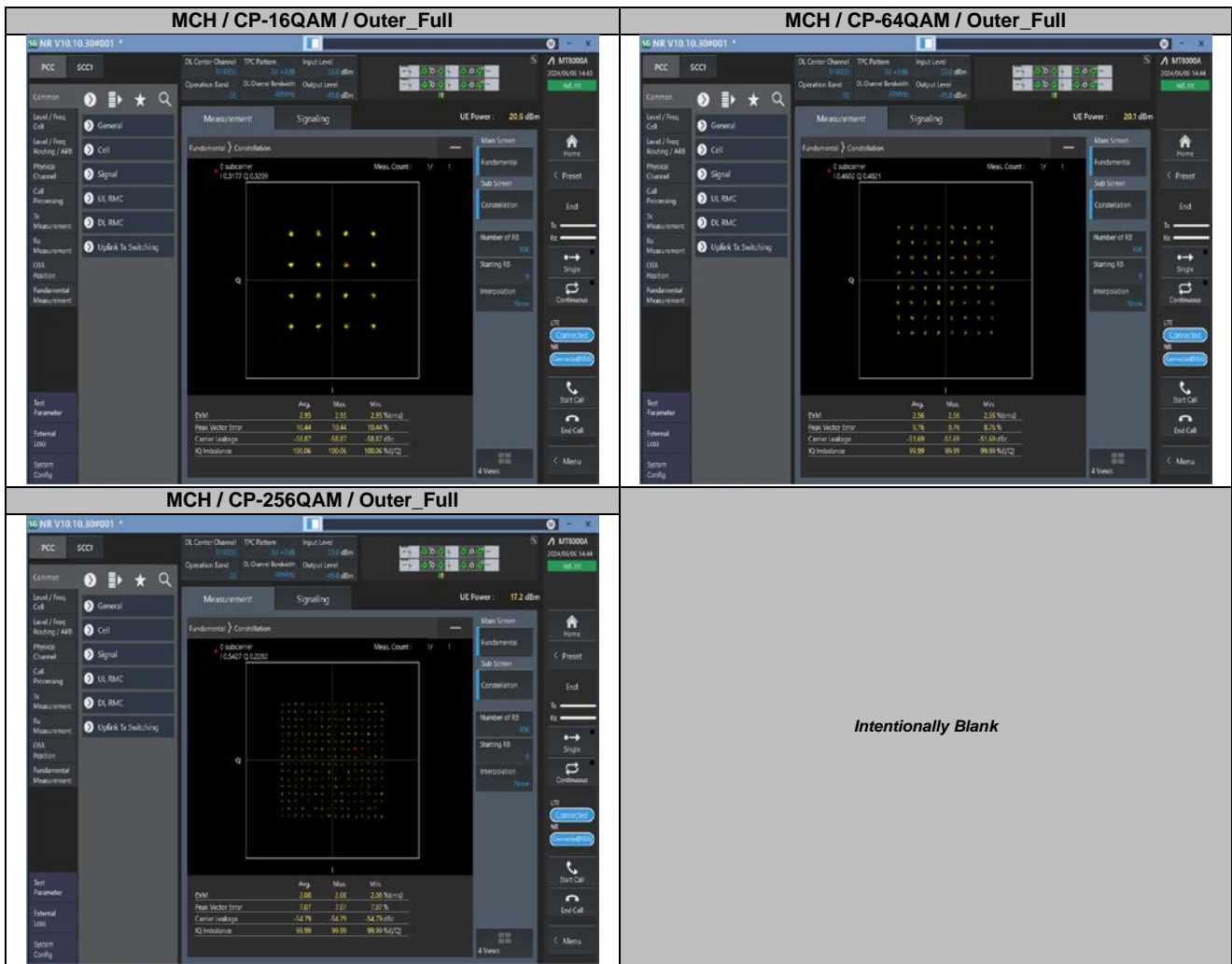
### 2.2. Test Plots



### 3. Modulation Characteristics

#### 3.1. Test Plots





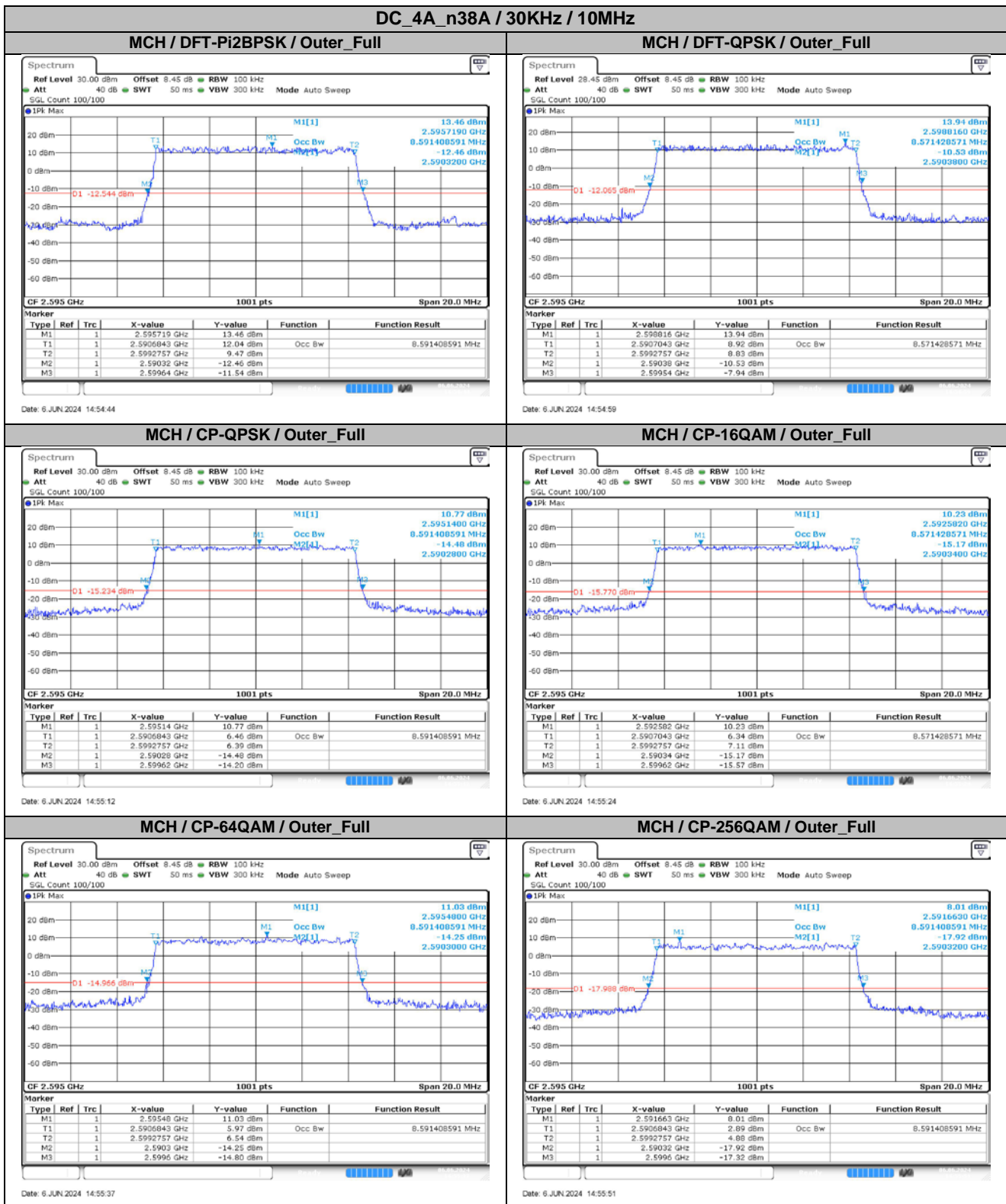
## 4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

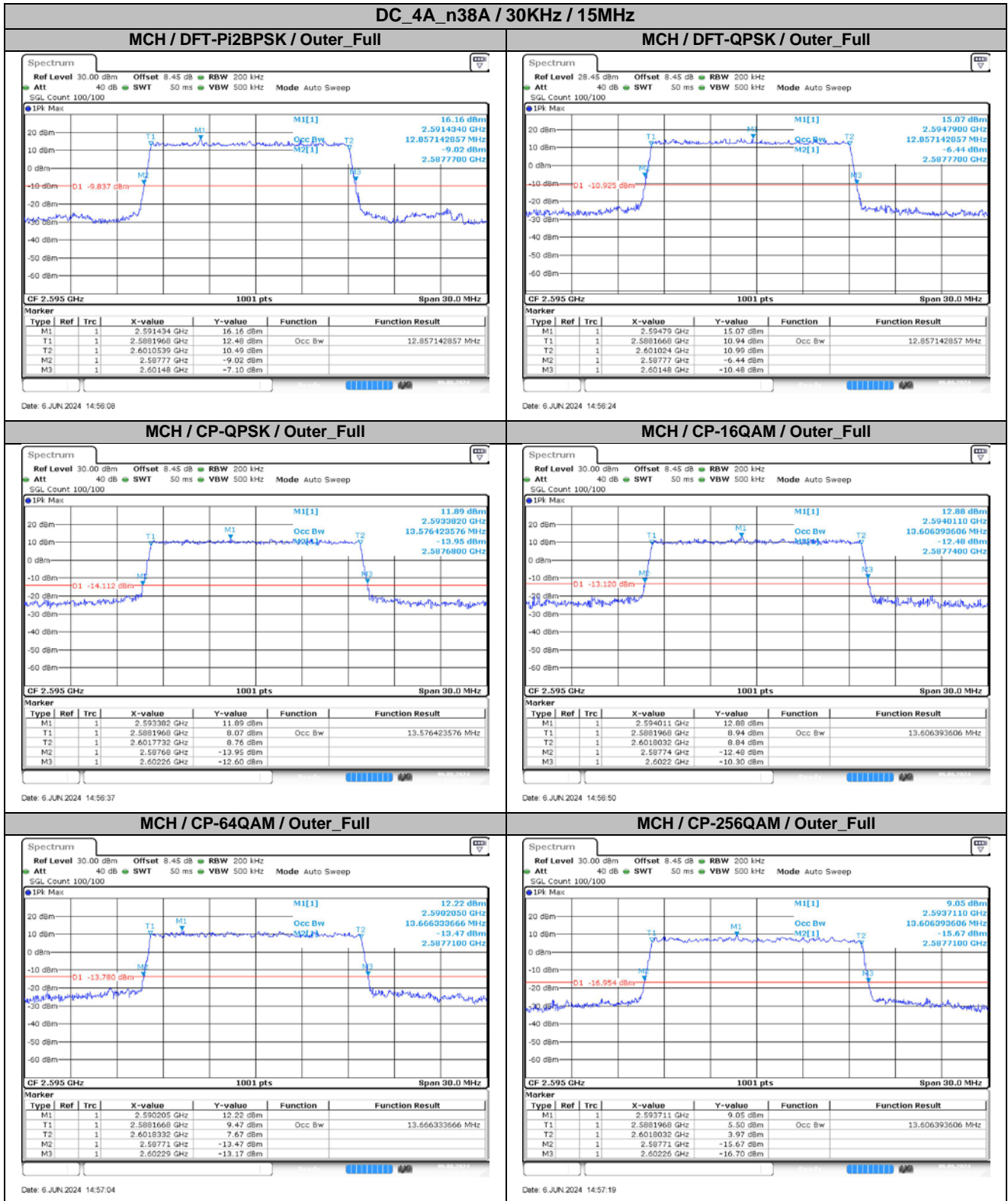
### 4.1. Test Results

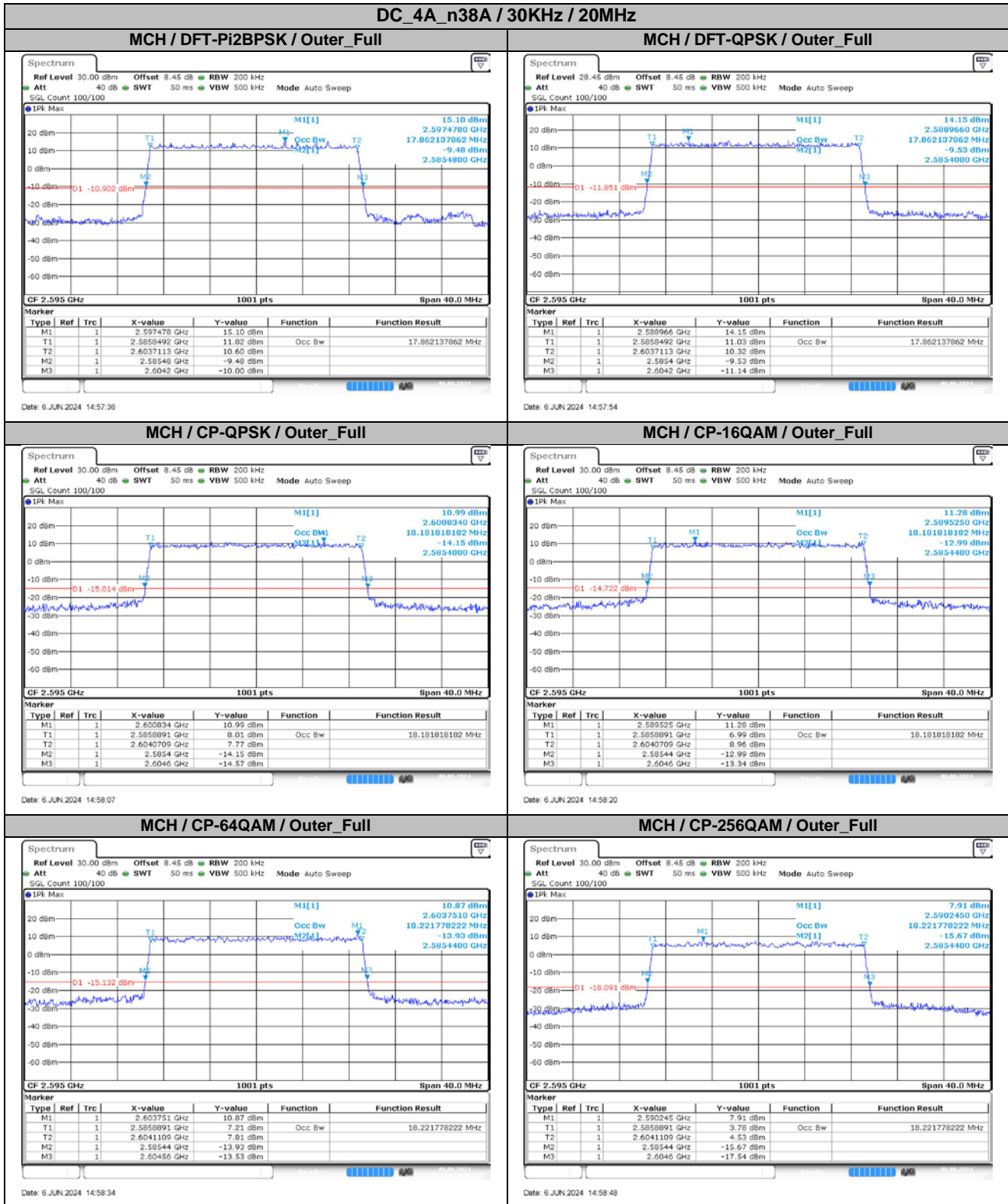
SCS	Bandwidth	Modulation	RB	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
30KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.59	9.32	Pass
30KHz	10MHz	DFT-QPSK	Outer_Full	8.57	9.16	Pass
30KHz	10MHz	CP-QPSK	Outer_Full	8.59	9.34	Pass
30KHz	10MHz	CP-16QAM	Outer_Full	8.57	9.28	Pass
30KHz	10MHz	CP-64QAM	Outer_Full	8.59	9.30	Pass
30KHz	10MHz	CP-256QAM	Outer_Full	8.59	9.28	Pass
30KHz	15MHz	DFT-Pi2BPSK	Outer_Full	12.86	13.71	Pass
30KHz	15MHz	DFT-QPSK	Outer_Full	12.86	13.71	Pass
30KHz	15MHz	CP-QPSK	Outer_Full	13.58	14.58	Pass
30KHz	15MHz	CP-16QAM	Outer_Full	13.61	14.46	Pass
30KHz	15MHz	CP-64QAM	Outer_Full	13.67	14.58	Pass
30KHz	15MHz	CP-256QAM	Outer_Full	13.61	14.55	Pass
30KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.86	18.72	Pass
30KHz	20MHz	DFT-QPSK	Outer_Full	17.86	18.80	Pass
30KHz	20MHz	CP-QPSK	Outer_Full	18.18	19.20	Pass
30KHz	20MHz	CP-16QAM	Outer_Full	18.18	19.16	Pass
30KHz	20MHz	CP-64QAM	Outer_Full	18.22	19.12	Pass
30KHz	20MHz	CP-256QAM	Outer_Full	18.22	19.16	Pass
30KHz	25MHz	DFT-Pi2BPSK	Outer_Full	22.98	24.05	Pass
30KHz	25MHz	DFT-QPSK	Outer_Full	22.83	23.95	Pass
30KHz	25MHz	CP-QPSK	Outer_Full	23.18	24.40	Pass
30KHz	25MHz	CP-16QAM	Outer_Full	23.23	24.40	Pass
30KHz	25MHz	CP-64QAM	Outer_Full	23.23	24.30	Pass
30KHz	25MHz	CP-256QAM	Outer_Full	23.23	24.40	Pass
30KHz	30MHz	DFT-Pi2BPSK	Outer_Full	26.79	28.26	Pass
30KHz	30MHz	DFT-QPSK	Outer_Full	26.73	28.20	Pass
30KHz	30MHz	CP-QPSK	Outer_Full	27.75	29.22	Pass
30KHz	30MHz	CP-16QAM	Outer_Full	27.93	29.22	Pass
30KHz	30MHz	CP-64QAM	Outer_Full	27.81	29.28	Pass
30KHz	30MHz	CP-256QAM	Outer_Full	27.93	29.34	Pass
30KHz	40MHz	DFT-Pi2BPSK	Outer_Full	35.80	37.52	Pass
30KHz	40MHz	DFT-QPSK	Outer_Full	35.80	37.60	Pass
30KHz	40MHz	CP-QPSK	Outer_Full	37.80	39.68	Pass
30KHz	40MHz	CP-16QAM	Outer_Full	37.80	39.76	Pass
30KHz	40MHz	CP-64QAM	Outer_Full	37.88	39.68	Pass
30KHz	40MHz	CP-256QAM	Outer_Full	37.72	39.68	Pass

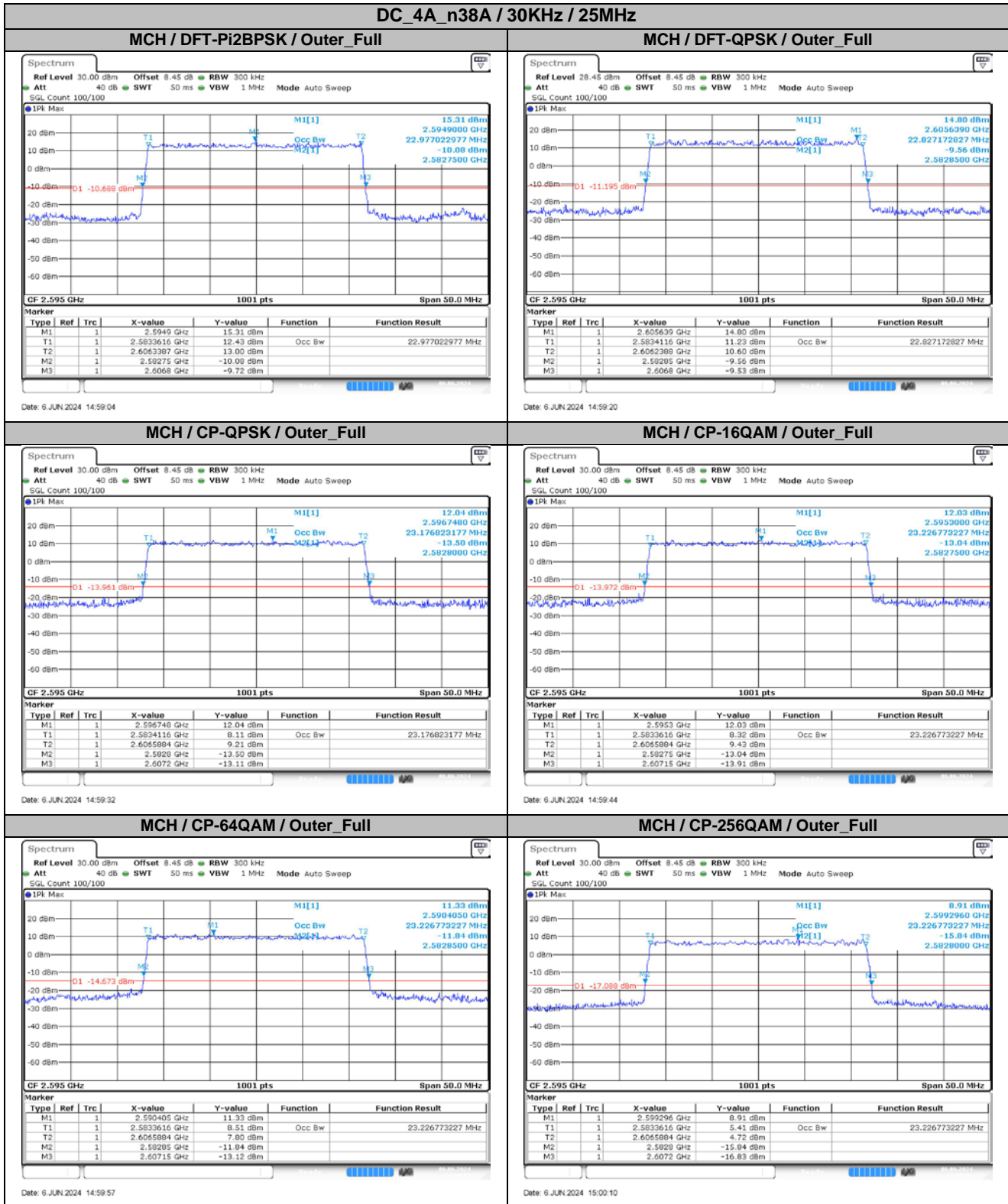


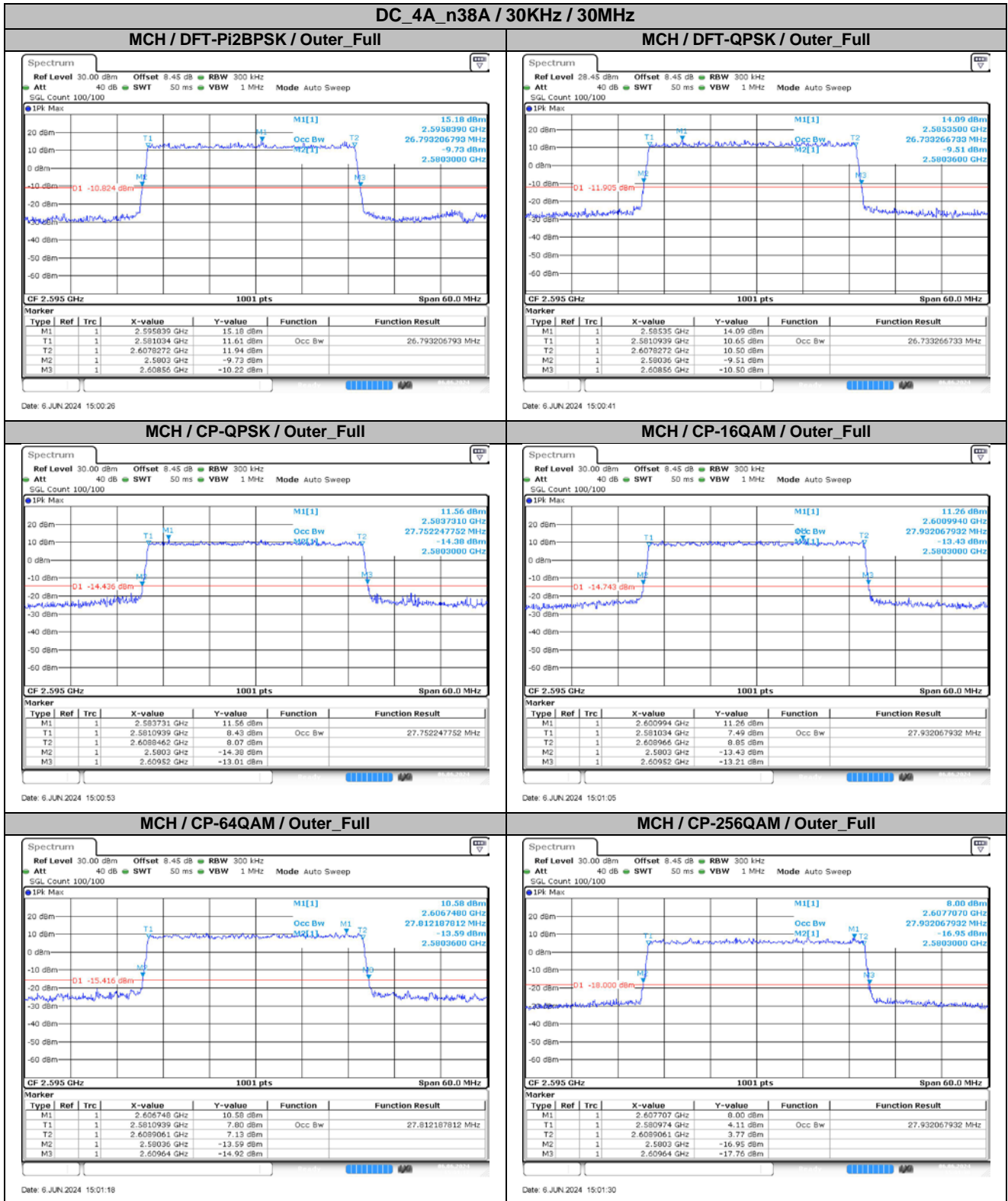
4.2. Test Plots

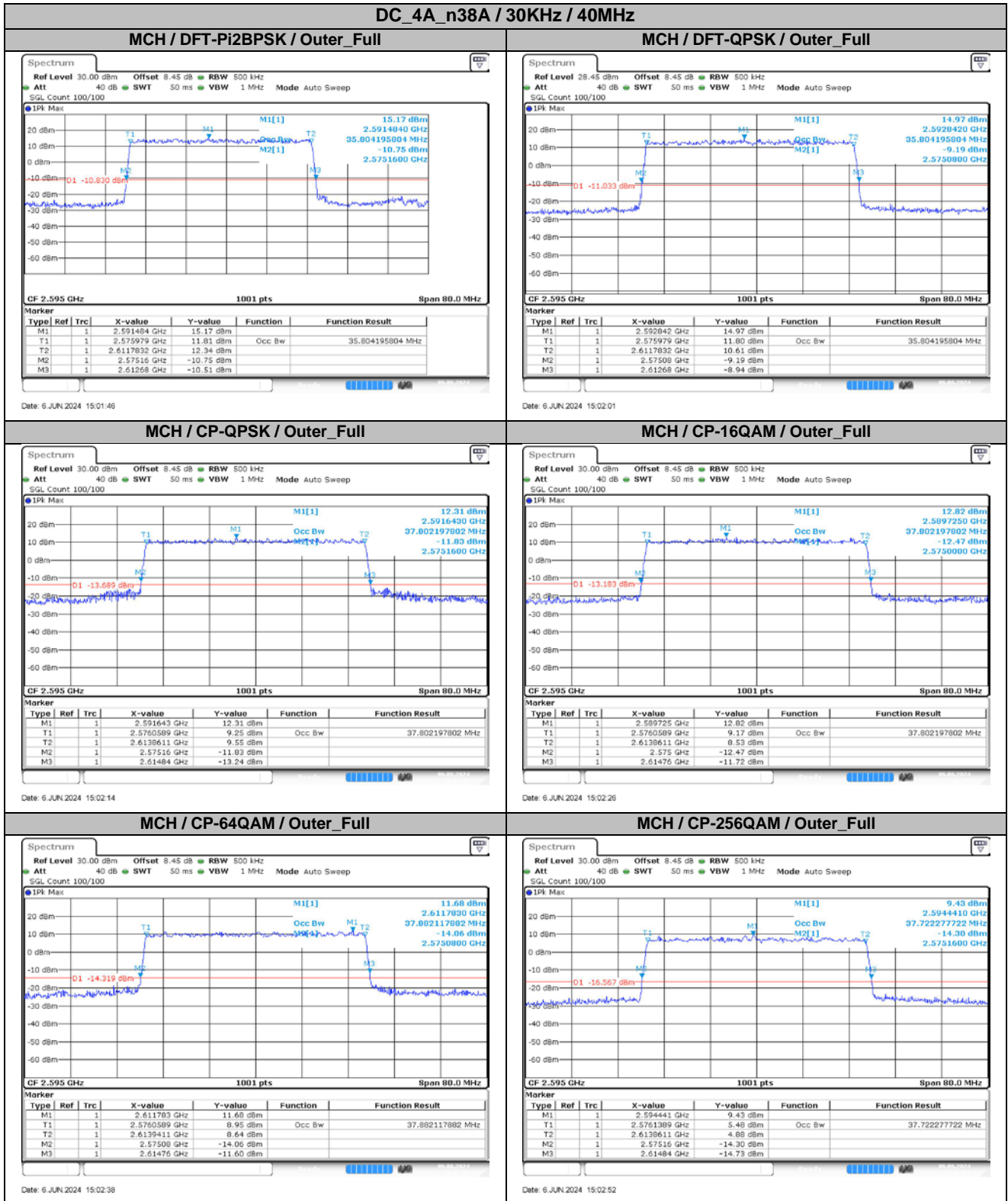














### 5. Conducted Band Edges

#### 5.1. Test Plots

