

**Appendix  
for  
n7A  
(2500-2570)**

## Catalogue

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## 1. Effective Isotropic Radiated Power

### 1.1. Test Results @ Ant1 (Antenna Gain=-4.50dBi)

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	23.06	23.08	22.96	18.58	33.00	Pass
15KHz	5MHz	LCH	DFT-QPSK	23.00	23.04	22.92	18.54	33.00	Pass
15KHz	5MHz	LCH	DFT-16QAM	22.00	22.01	22.20	17.70	33.00	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.68	20.74	20.63	16.24	33.00	Pass
15KHz	5MHz	LCH	DFT-256QAM	18.03	18.09	18.59	14.09	33.00	Pass
15KHz	5MHz	LCH	CP-QPSK	21.57	21.59	21.70	17.20	33.00	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	22.97	23.08	23.00	18.58	33.00	Pass
15KHz	5MHz	MCH	DFT-QPSK	23.03	23.06	22.98	18.56	33.00	Pass
15KHz	5MHz	MCH	DFT-16QAM	21.95	22.04	22.26	17.76	33.00	Pass
15KHz	5MHz	MCH	DFT-64QAM	20.71	20.84	20.69	16.34	33.00	Pass
15KHz	5MHz	MCH	DFT-256QAM	18.06	18.05	18.66	14.16	33.00	Pass
15KHz	5MHz	MCH	CP-QPSK	21.59	21.62	21.74	17.24	33.00	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	23.35	23.35	23.30	18.85	33.00	Pass
15KHz	5MHz	HCH	DFT-QPSK	23.34	23.40	23.31	18.90	33.00	Pass
15KHz	5MHz	HCH	DFT-16QAM	22.34	22.41	22.63	18.13	33.00	Pass
15KHz	5MHz	HCH	DFT-64QAM	21.17	21.17	21.04	16.67	33.00	Pass
15KHz	5MHz	HCH	DFT-256QAM	18.34	18.36	18.88	14.38	33.00	Pass
15KHz	5MHz	HCH	CP-QPSK	21.88	21.94	22.11	17.61	33.00	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	22.99	23.00	22.98	18.50	33.00	Pass
15KHz	10MHz	LCH	DFT-QPSK	22.97	23.01	23.03	18.53	33.00	Pass
15KHz	10MHz	LCH	DFT-16QAM	22.05	22.06	22.18	17.68	33.00	Pass
15KHz	10MHz	LCH	DFT-64QAM	20.78	20.80	20.66	16.30	33.00	Pass
15KHz	10MHz	LCH	DFT-256QAM	18.14	18.01	18.54	14.04	33.00	Pass
15KHz	10MHz	LCH	CP-QPSK	21.55	21.60	21.60	17.10	33.00	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	23.02	23.15	23.06	18.65	33.00	Pass
15KHz	10MHz	MCH	DFT-QPSK	22.99	23.11	23.06	18.61	33.00	Pass
15KHz	10MHz	MCH	DFT-16QAM	22.05	22.14	22.13	17.64	33.00	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.84	20.92	20.63	16.42	33.00	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.05	18.19	18.54	14.04	33.00	Pass
15KHz	10MHz	MCH	CP-QPSK	21.57	21.67	21.65	17.17	33.00	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	23.45	23.41	23.54	19.04	33.00	Pass
15KHz	10MHz	HCH	DFT-QPSK	23.40	23.37	23.43	18.93	33.00	Pass
15KHz	10MHz	HCH	DFT-16QAM	22.45	22.38	22.55	18.05	33.00	Pass
15KHz	10MHz	HCH	DFT-64QAM	21.16	21.16	21.00	16.66	33.00	Pass
15KHz	10MHz	HCH	DFT-256QAM	18.49	18.44	18.99	14.49	33.00	Pass
15KHz	10MHz	HCH	CP-QPSK	21.98	21.90	21.99	17.49	33.00	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	22.96	22.99	23.01	18.51	33.00	Pass
15KHz	15MHz	LCH	DFT-QPSK	23.01	22.99	23.06	18.56	33.00	Pass
15KHz	15MHz	LCH	DFT-16QAM	22.02	21.93	22.20	17.70	33.00	Pass
15KHz	15MHz	LCH	DFT-64QAM	20.76	20.70	20.65	16.26	33.00	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.05	18.09	18.53	14.03	33.00	Pass
15KHz	15MHz	LCH	CP-QPSK	21.57	21.58	21.64	17.14	33.00	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	22.96	23.05	23.04	18.55	33.00	Pass
15KHz	15MHz	MCH	DFT-QPSK	22.96	23.10	22.98	18.60	33.00	Pass
15KHz	15MHz	MCH	DFT-16QAM	22.10	22.13	22.12	17.63	33.00	Pass
15KHz	15MHz	MCH	DFT-64QAM	20.79	20.81	20.67	16.31	33.00	Pass
15KHz	15MHz	MCH	DFT-256QAM	17.98	18.20	18.55	14.05	33.00	Pass
15KHz	15MHz	MCH	CP-QPSK	21.59	21.62	21.57	17.12	33.00	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	23.23	23.12	23.31	18.81	33.00	Pass
15KHz	15MHz	HCH	DFT-QPSK	23.21	23.24	23.26	18.76	33.00	Pass
15KHz	15MHz	HCH	DFT-16QAM	22.28	22.14	22.42	17.92	33.00	Pass
15KHz	15MHz	HCH	DFT-64QAM	21.00	20.88	20.96	16.50	33.00	Pass
15KHz	15MHz	HCH	DFT-256QAM	18.23	18.39	18.74	14.24	33.00	Pass
15KHz	15MHz	HCH	CP-QPSK	21.80	21.86	21.80	17.36	33.00	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	22.98	22.98	23.01	18.51	33.00	Pass
15KHz	20MHz	LCH	DFT-QPSK	22.96	23.02	23.00	18.52	33.00	Pass
15KHz	20MHz	LCH	DFT-16QAM	21.98	22.06	22.14	17.64	33.00	Pass
15KHz	20MHz	LCH	DFT-64QAM	20.80	20.76	20.68	16.30	33.00	Pass

15KHz	20MHz	LCH	DFT-256QAM	18.05	18.11	18.56	14.06	33.00	Pass
15KHz	20MHz	LCH	CP-QPSK	21.66	21.58	21.59	17.16	33.00	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	22.91	23.08	23.01	18.58	33.00	Pass
15KHz	20MHz	MCH	DFT-QPSK	23.03	23.03	23.04	18.54	33.00	Pass
15KHz	20MHz	MCH	DFT-16QAM	21.91	22.08	22.17	17.67	33.00	Pass
15KHz	20MHz	MCH	DFT-64QAM	20.70	20.87	20.64	16.37	33.00	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.10	18.11	18.63	14.13	33.00	Pass
15KHz	20MHz	MCH	CP-QPSK	21.53	21.86	21.62	17.36	33.00	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	23.08	23.15	23.33	18.83	33.00	Pass
15KHz	20MHz	HCH	DFT-QPSK	23.10	23.24	23.27	18.77	33.00	Pass
15KHz	20MHz	HCH	DFT-16QAM	22.19	22.24	22.41	17.91	33.00	Pass
15KHz	20MHz	HCH	DFT-64QAM	20.91	20.94	20.98	16.48	33.00	Pass
15KHz	20MHz	HCH	DFT-256QAM	18.21	18.40	18.79	14.29	33.00	Pass
15KHz	20MHz	HCH	CP-QPSK	21.74	21.78	21.87	17.37	33.00	Pass
15KHz	25MHz	LCH	DFT-Pi2BPSK	23.12	23.12	23.00	18.62	33.00	Pass
15KHz	25MHz	LCH	DFT-QPSK	23.16	23.15	23.07	18.66	33.00	Pass
15KHz	25MHz	LCH	DFT-16QAM	22.20	22.14	22.18	17.70	33.00	Pass
15KHz	25MHz	LCH	DFT-64QAM	20.96	20.95	20.65	16.46	33.00	Pass
15KHz	25MHz	LCH	DFT-256QAM	18.26	18.17	18.56	14.06	33.00	Pass
15KHz	25MHz	LCH	CP-QPSK	21.83	21.66	21.64	17.33	33.00	Pass
15KHz	25MHz	MCH	DFT-Pi2BPSK	23.03	23.27	23.03	18.77	33.00	Pass
15KHz	25MHz	MCH	DFT-QPSK	23.02	23.30	23.03	18.80	33.00	Pass
15KHz	25MHz	MCH	DFT-16QAM	22.13	22.28	22.16	17.78	33.00	Pass
15KHz	25MHz	MCH	DFT-64QAM	20.82	21.08	20.70	16.58	33.00	Pass
15KHz	25MHz	MCH	DFT-256QAM	18.13	18.31	18.61	14.11	33.00	Pass
15KHz	25MHz	MCH	CP-QPSK	21.66	21.86	21.69	17.36	33.00	Pass
15KHz	25MHz	HCH	DFT-Pi2BPSK	23.26	23.33	23.42	18.92	33.00	Pass
15KHz	25MHz	HCH	DFT-QPSK	23.20	23.37	23.44	18.94	33.00	Pass
15KHz	25MHz	HCH	DFT-16QAM	22.28	22.35	22.53	18.03	33.00	Pass
15KHz	25MHz	HCH	DFT-64QAM	21.05	21.11	21.09	16.61	33.00	Pass
15KHz	25MHz	HCH	DFT-256QAM	18.30	18.38	18.90	14.40	33.00	Pass
15KHz	25MHz	HCH	CP-QPSK	21.88	22.03	22.01	17.53	33.00	Pass
15KHz	30MHz	LCH	DFT-Pi2BPSK	23.07	23.06	23.01	18.57	33.00	Pass
15KHz	30MHz	LCH	DFT-QPSK	23.12	23.06	23.02	18.62	33.00	Pass
15KHz	30MHz	LCH	DFT-16QAM	22.11	22.09	22.14	17.64	33.00	Pass
15KHz	30MHz	LCH	DFT-64QAM	20.87	20.78	20.64	16.37	33.00	Pass
15KHz	30MHz	LCH	DFT-256QAM	18.18	18.10	18.57	14.07	33.00	Pass
15KHz	30MHz	LCH	CP-QPSK	21.72	21.77	21.57	17.27	33.00	Pass
15KHz	30MHz	MCH	DFT-Pi2BPSK	23.03	23.24	23.04	18.74	33.00	Pass
15KHz	30MHz	MCH	DFT-QPSK	23.00	23.27	23.05	18.77	33.00	Pass
15KHz	30MHz	MCH	DFT-16QAM	22.06	22.34	22.12	17.84	33.00	Pass
15KHz	30MHz	MCH	DFT-64QAM	20.81	21.01	20.71	16.51	33.00	Pass
15KHz	30MHz	MCH	DFT-256QAM	18.12	18.32	18.66	14.16	33.00	Pass
15KHz	30MHz	MCH	CP-QPSK	21.69	21.92	21.62	17.42	33.00	Pass
15KHz	30MHz	HCH	DFT-Pi2BPSK	23.10	23.38	23.36	18.88	33.00	Pass
15KHz	30MHz	HCH	DFT-QPSK	23.12	23.35	23.30	18.85	33.00	Pass
15KHz	30MHz	HCH	DFT-16QAM	22.17	22.35	22.43	17.93	33.00	Pass
15KHz	30MHz	HCH	DFT-64QAM	20.91	21.09	20.98	16.59	33.00	Pass
15KHz	30MHz	HCH	DFT-256QAM	18.17	18.45	18.92	14.42	33.00	Pass
15KHz	30MHz	HCH	CP-QPSK	21.74	22.02	21.94	17.52	33.00	Pass
15KHz	40MHz	LCH	DFT-Pi2BPSK	23.04	23.12	23.04	18.62	33.00	Pass
15KHz	40MHz	LCH	DFT-QPSK	23.13	23.17	23.12	18.67	33.00	Pass
15KHz	40MHz	LCH	DFT-16QAM	22.18	22.12	22.19	17.69	33.00	Pass
15KHz	40MHz	LCH	DFT-64QAM	20.91	20.89	20.71	16.41	33.00	Pass
15KHz	40MHz	LCH	DFT-256QAM	18.17	18.23	18.65	14.15	33.00	Pass
15KHz	40MHz	LCH	CP-QPSK	21.79	21.79	21.74	17.29	33.00	Pass
15KHz	40MHz	MCH	DFT-Pi2BPSK	22.99	23.34	23.11	18.84	33.00	Pass
15KHz	40MHz	MCH	DFT-QPSK	22.97	23.38	23.11	18.88	33.00	Pass
15KHz	40MHz	MCH	DFT-16QAM	22.03	22.43	22.25	17.93	33.00	Pass
15KHz	40MHz	MCH	DFT-64QAM	20.77	21.14	20.67	16.64	33.00	Pass
15KHz	40MHz	MCH	DFT-256QAM	18.13	18.44	18.67	14.17	33.00	Pass
15KHz	40MHz	MCH	CP-QPSK	21.58	22.05	21.69	17.55	33.00	Pass

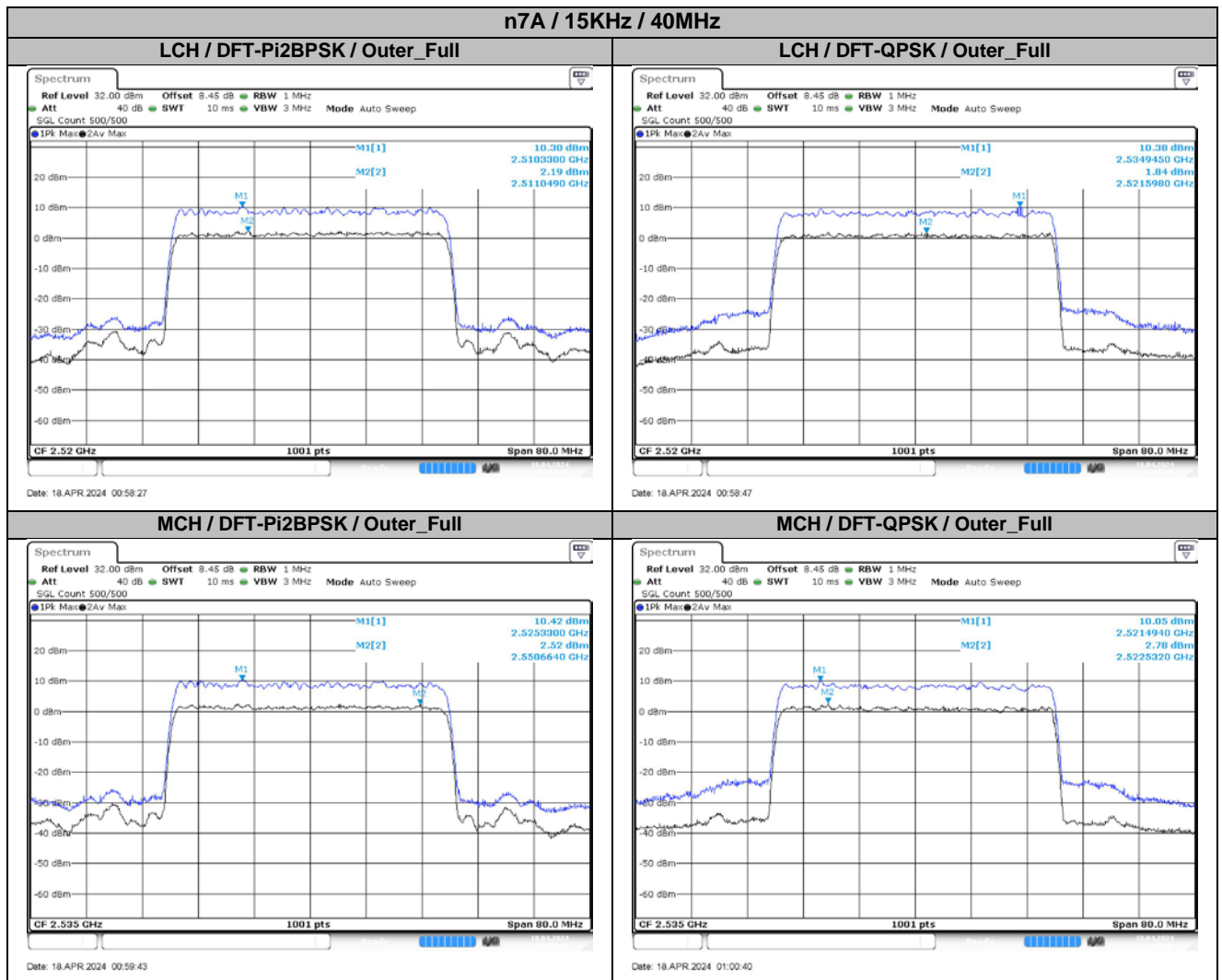
15KHz	40MHz	HCH	DFT-Pi2BPSK	23.11	23.36	23.20	18.86	33.00	Pass
15KHz	40MHz	HCH	DFT-QPSK	23.04	23.32	23.21	18.82	33.00	Pass
15KHz	40MHz	HCH	DFT-16QAM	22.05	22.34	22.36	17.86	33.00	Pass
15KHz	40MHz	HCH	DFT-64QAM	20.80	21.16	20.83	16.66	33.00	Pass
15KHz	40MHz	HCH	DFT-256QAM	18.06	18.49	18.83	14.33	33.00	Pass
15KHz	40MHz	HCH	CP-QPSK	21.77	22.15	21.92	17.65	33.00	Pass

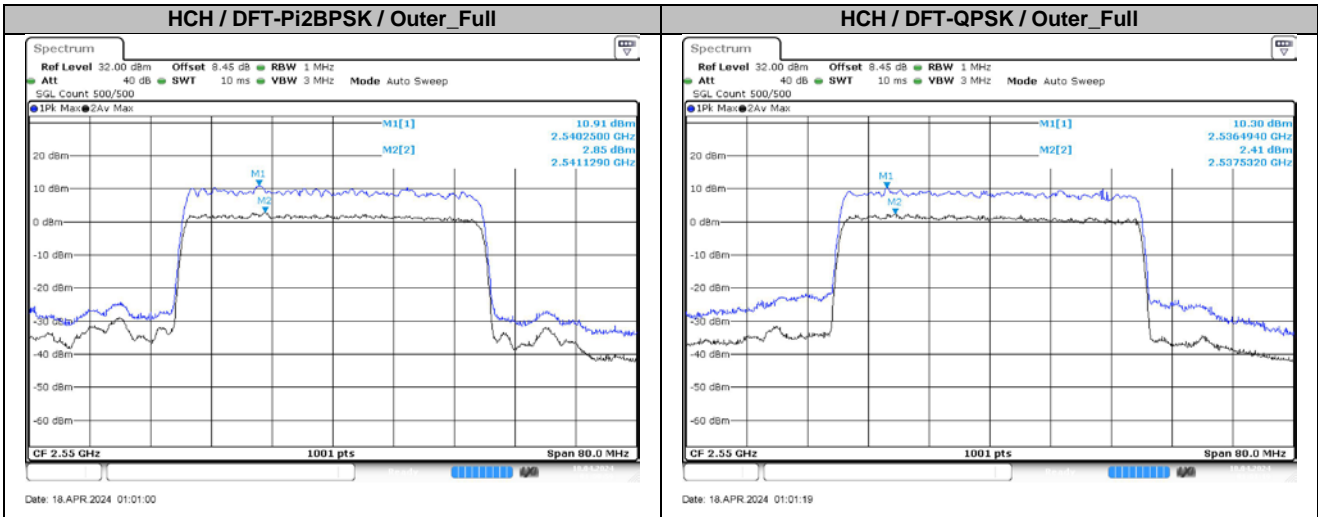
## 2. Peak-to-Average Ratio

### 2.1. Test Results

SCS	Bandwidth	Channel	Modulation	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	40MHz	LCH	Outer_Full	8.11	8.54	13.00	Pass
15KHz	40MHz	MCH	Outer_Full	7.90	7.27	13.00	Pass
15KHz	40MHz	HCH	Outer_Full	8.07	7.89	13.00	Pass

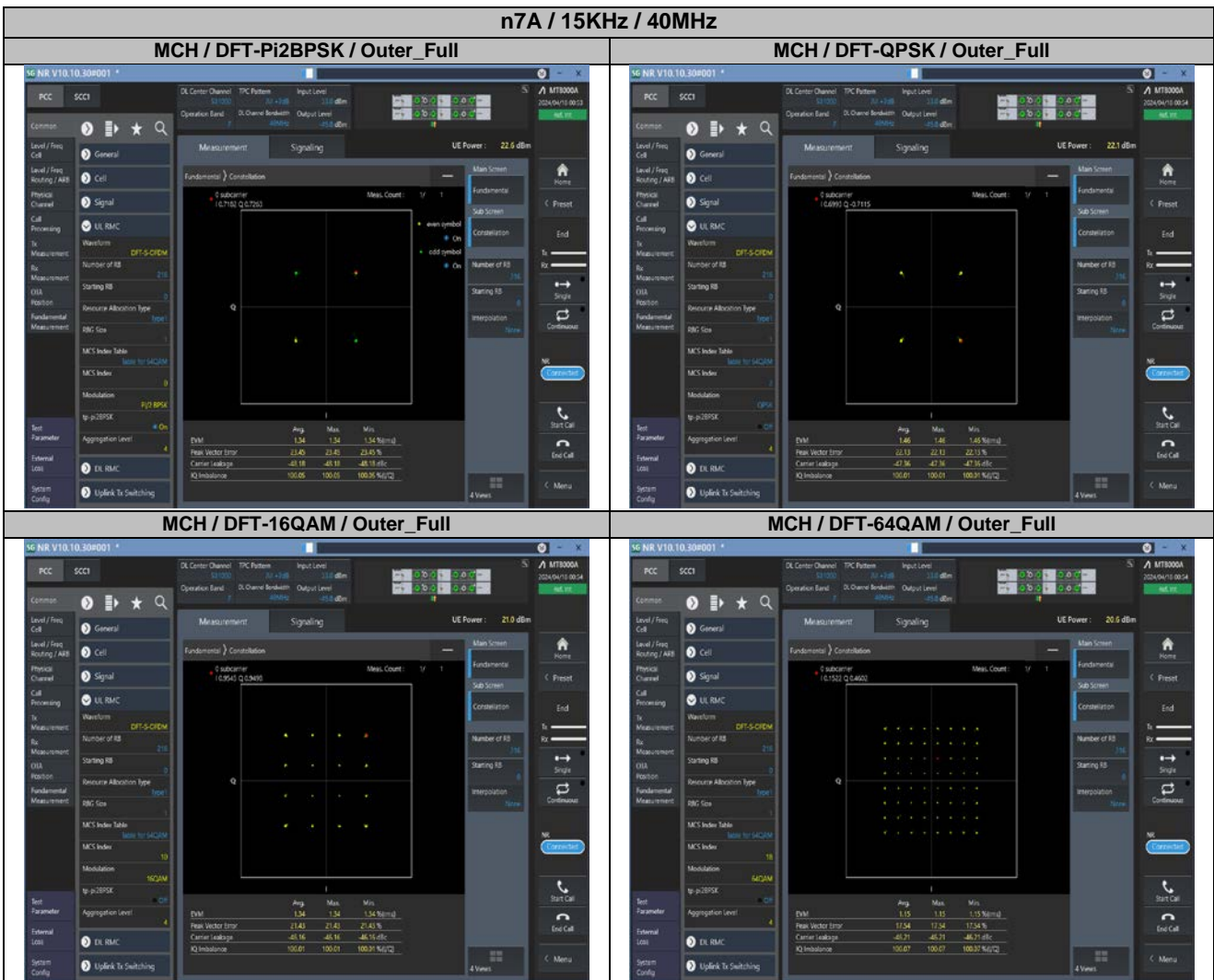
### 2.2. Test Plots

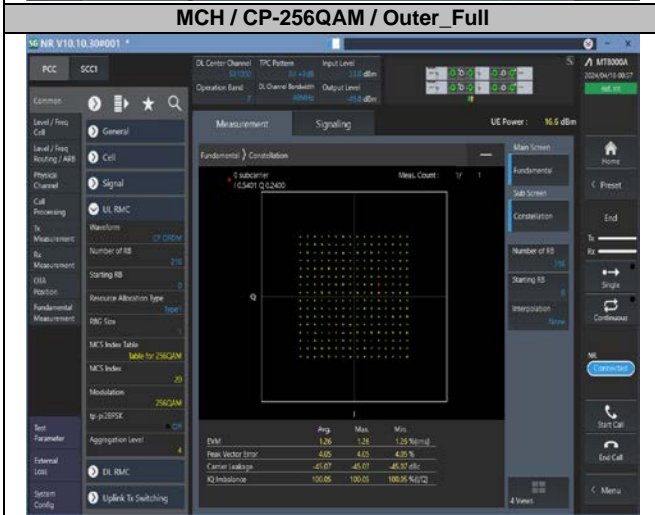
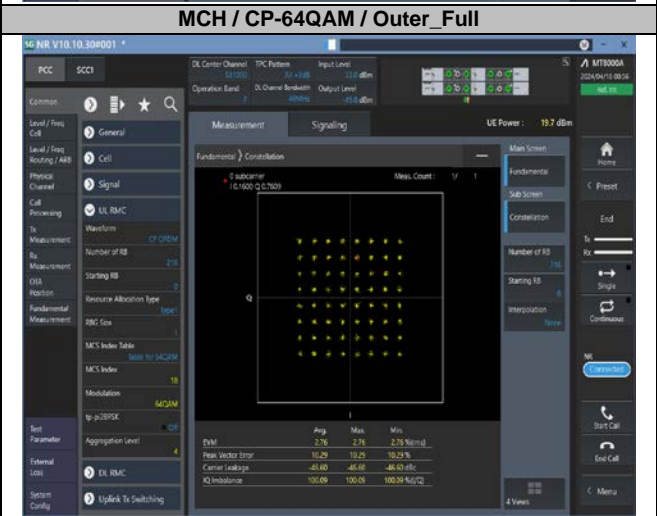
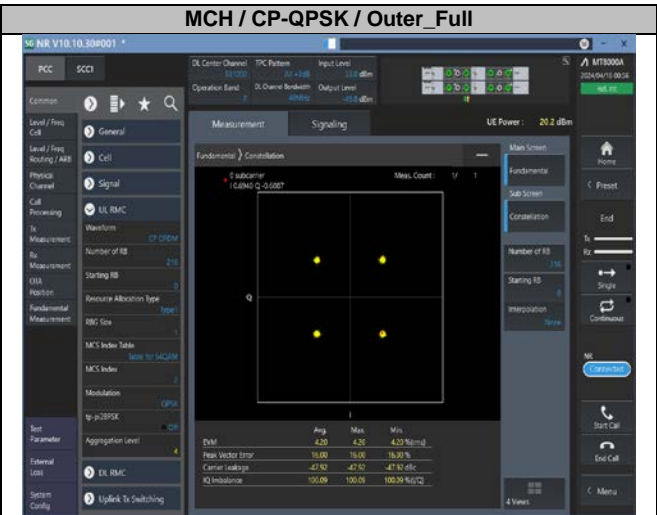
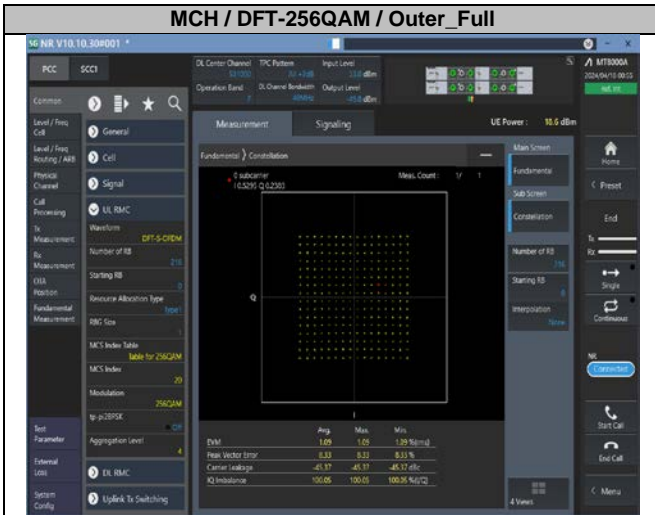




### 3. Modulation Characteristics

#### 3.1. Test Plots





Intentionally Blank

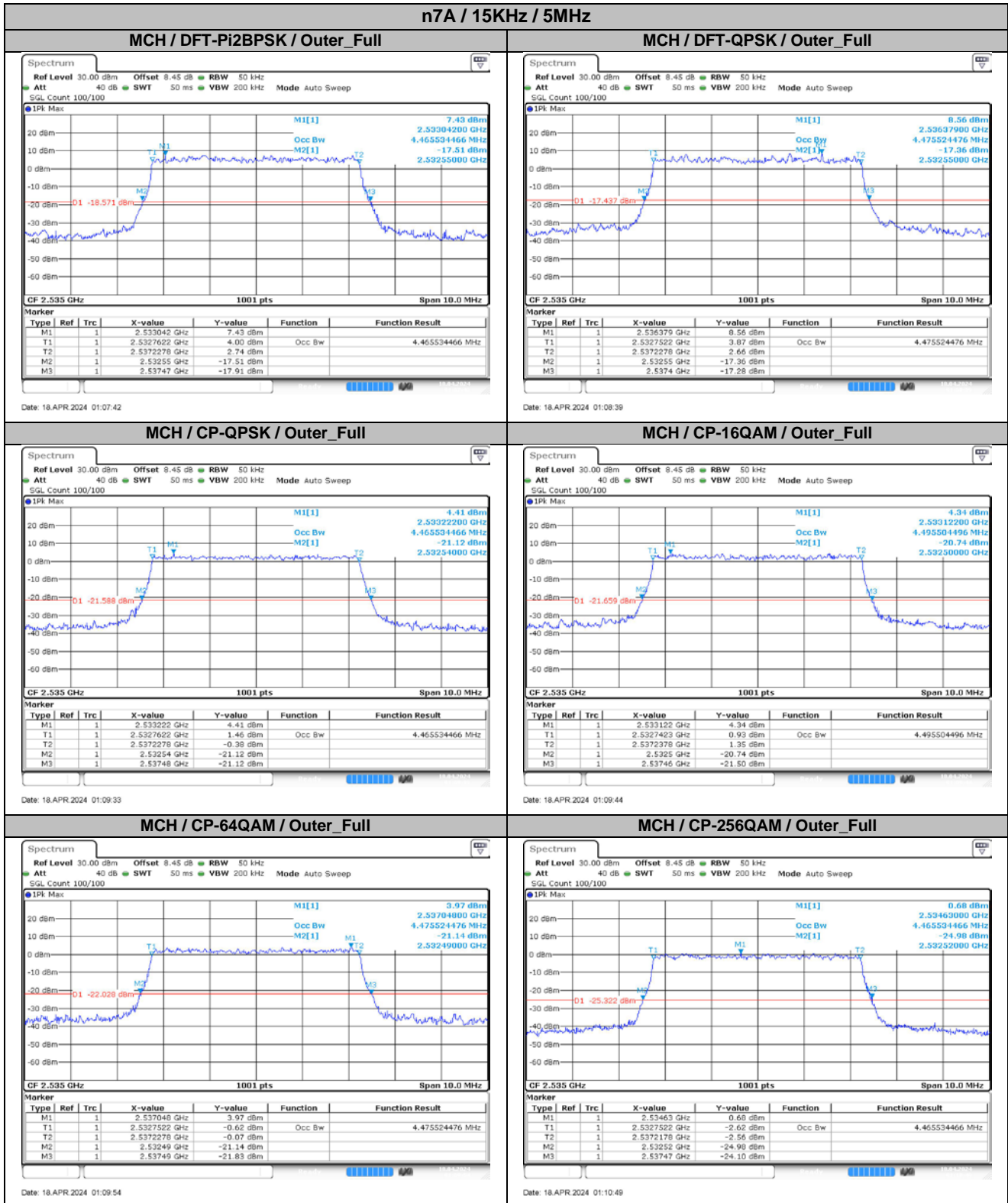
## 4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

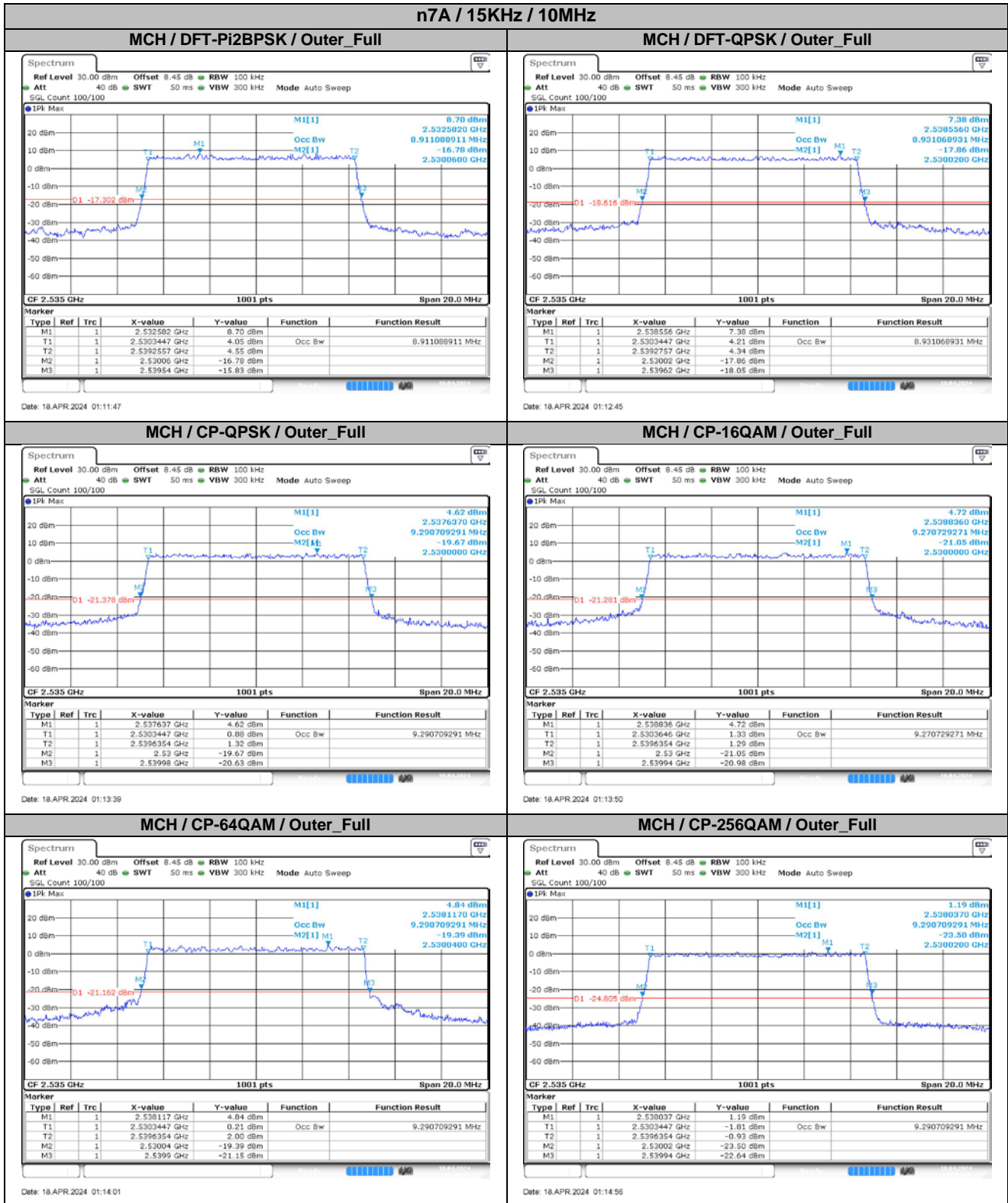
### 4.1. Test Results

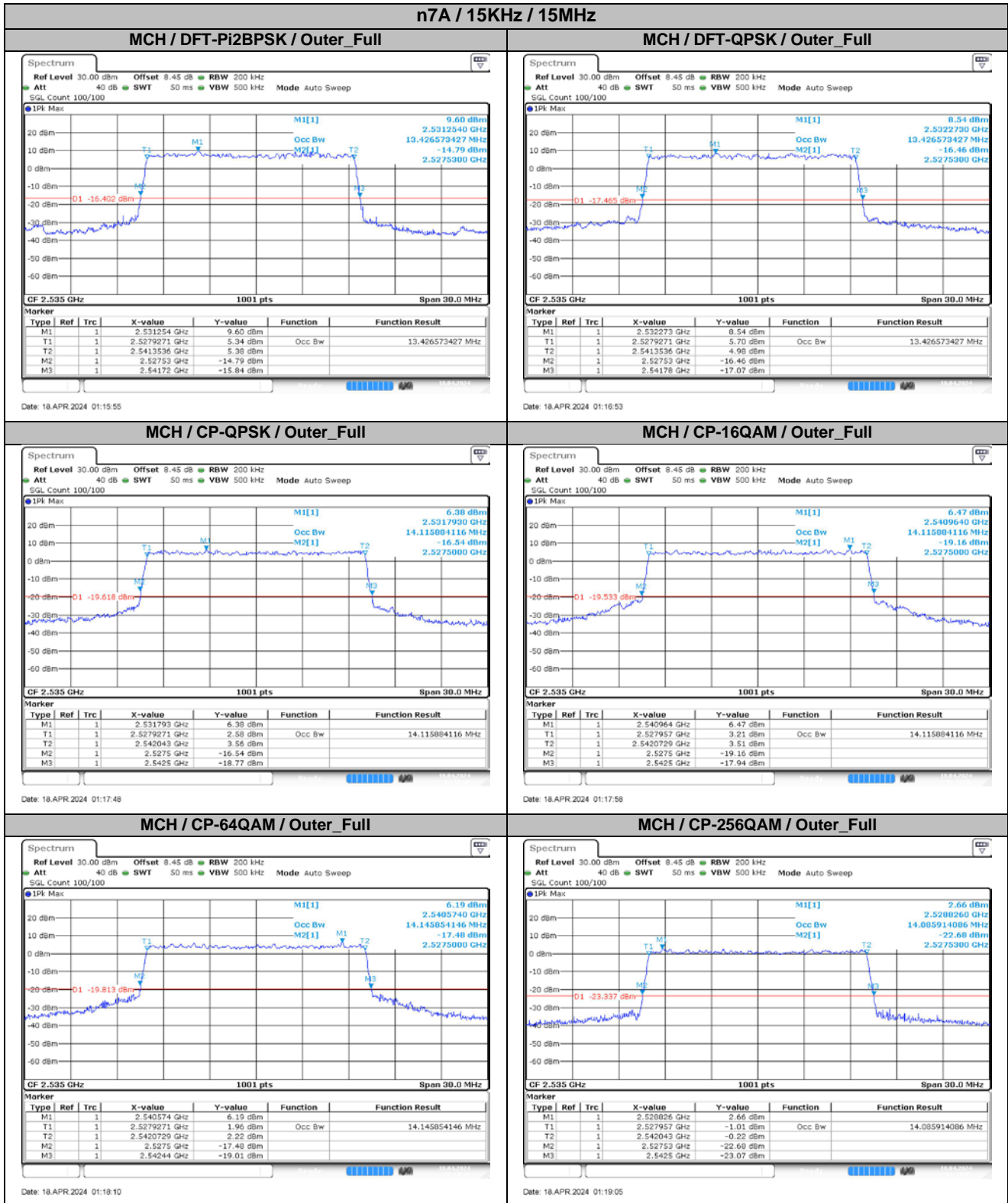
SCS	Bandwidth	Modulation	RB Config	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.47	4.92	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.48	4.85	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.47	4.94	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.50	4.96	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.48	5.00	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.47	4.95	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.91	9.48	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.93	9.60	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.29	9.98	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.27	9.94	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.29	9.86	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.29	9.92	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.43	14.19	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.43	14.25	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.12	15.00	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.12	15.00	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.15	14.94	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.09	14.97	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.90	18.76	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.86	18.76	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.94	21.20	Pass
15KHz	20MHz	CP-16QAM	Outer_Full	18.94	21.24	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	18.94	21.52	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	18.98	19.84	Pass
15KHz	25MHz	DFT-Pi2BPSK	Outer_Full	22.88	23.85	Pass
15KHz	25MHz	DFT-QPSK	Outer_Full	22.93	23.90	Pass
15KHz	25MHz	CP-QPSK	Outer_Full	23.78	24.80	Pass
15KHz	25MHz	CP-16QAM	Outer_Full	23.78	24.85	Pass
15KHz	25MHz	CP-64QAM	Outer_Full	23.73	24.85	Pass
15KHz	25MHz	CP-256QAM	Outer_Full	23.73	24.80	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	29.64	Pass
15KHz	30MHz	CP-16QAM	Outer_Full	28.65	29.70	Pass
15KHz	30MHz	CP-64QAM	Outer_Full	28.53	31.14	Pass
15KHz	30MHz	CP-256QAM	Outer_Full	28.59	29.76	Pass
15KHz	40MHz	DFT-Pi2BPSK	Outer_Full	38.52	40.16	Pass
15KHz	40MHz	DFT-QPSK	Outer_Full	38.68	40.16	Pass
15KHz	40MHz	CP-QPSK	Outer_Full	38.52	40.16	Pass
15KHz	40MHz	CP-16QAM	Outer_Full	38.52	40.08	Pass
15KHz	40MHz	CP-64QAM	Outer_Full	38.60	40.08	Pass
15KHz	40MHz	CP-256QAM	Outer_Full	38.52	40.08	Pass

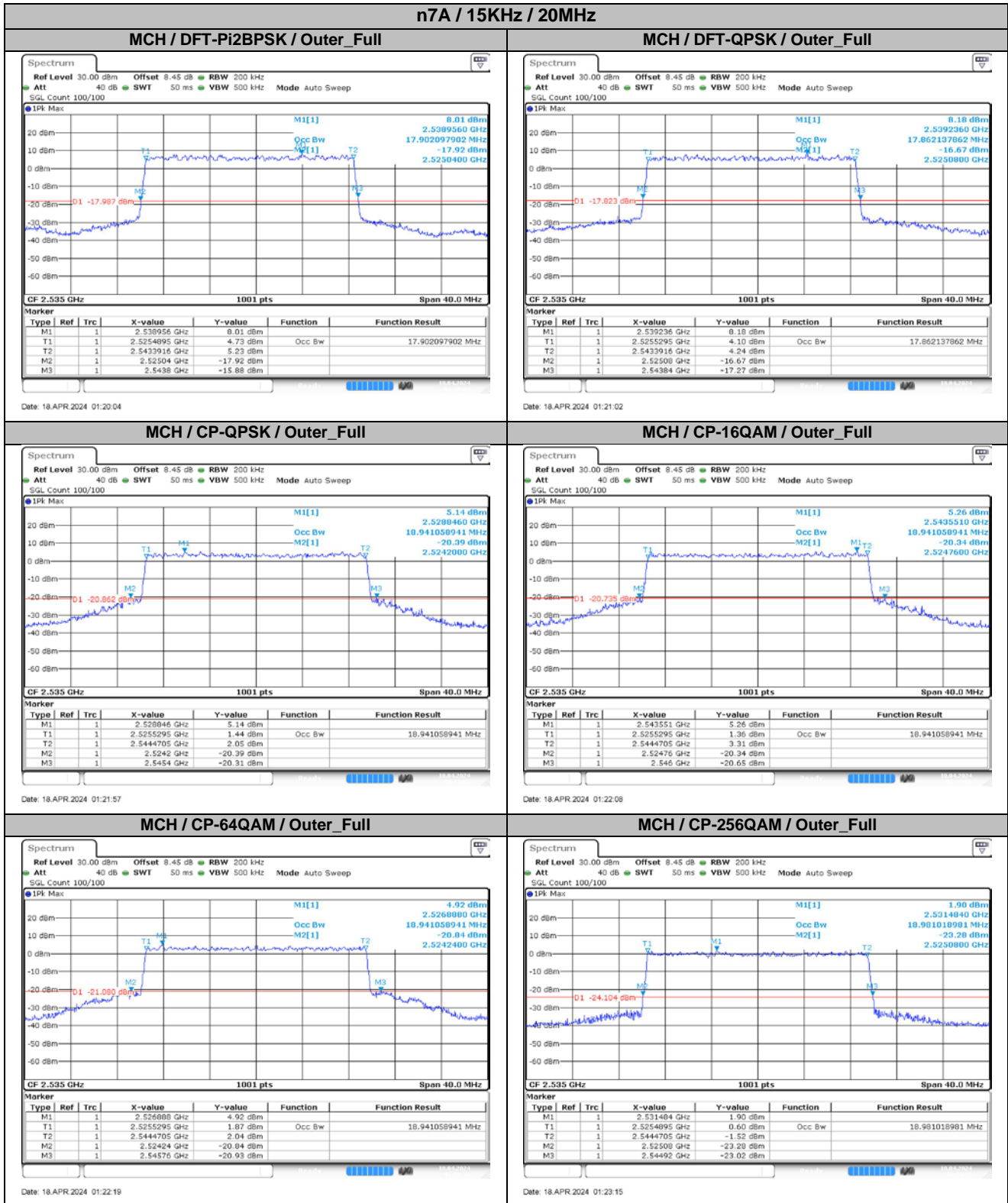


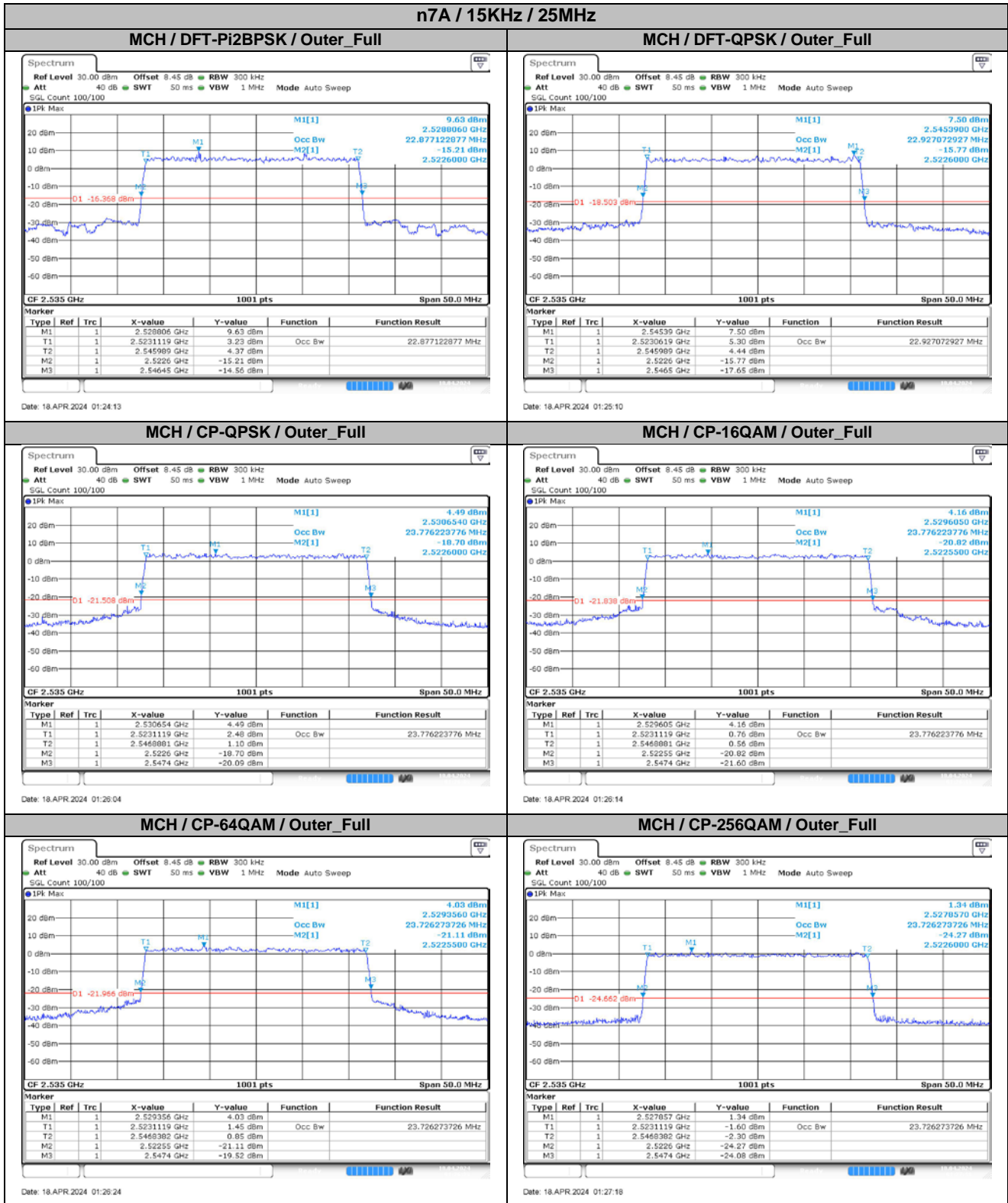
4.2. Test Plots

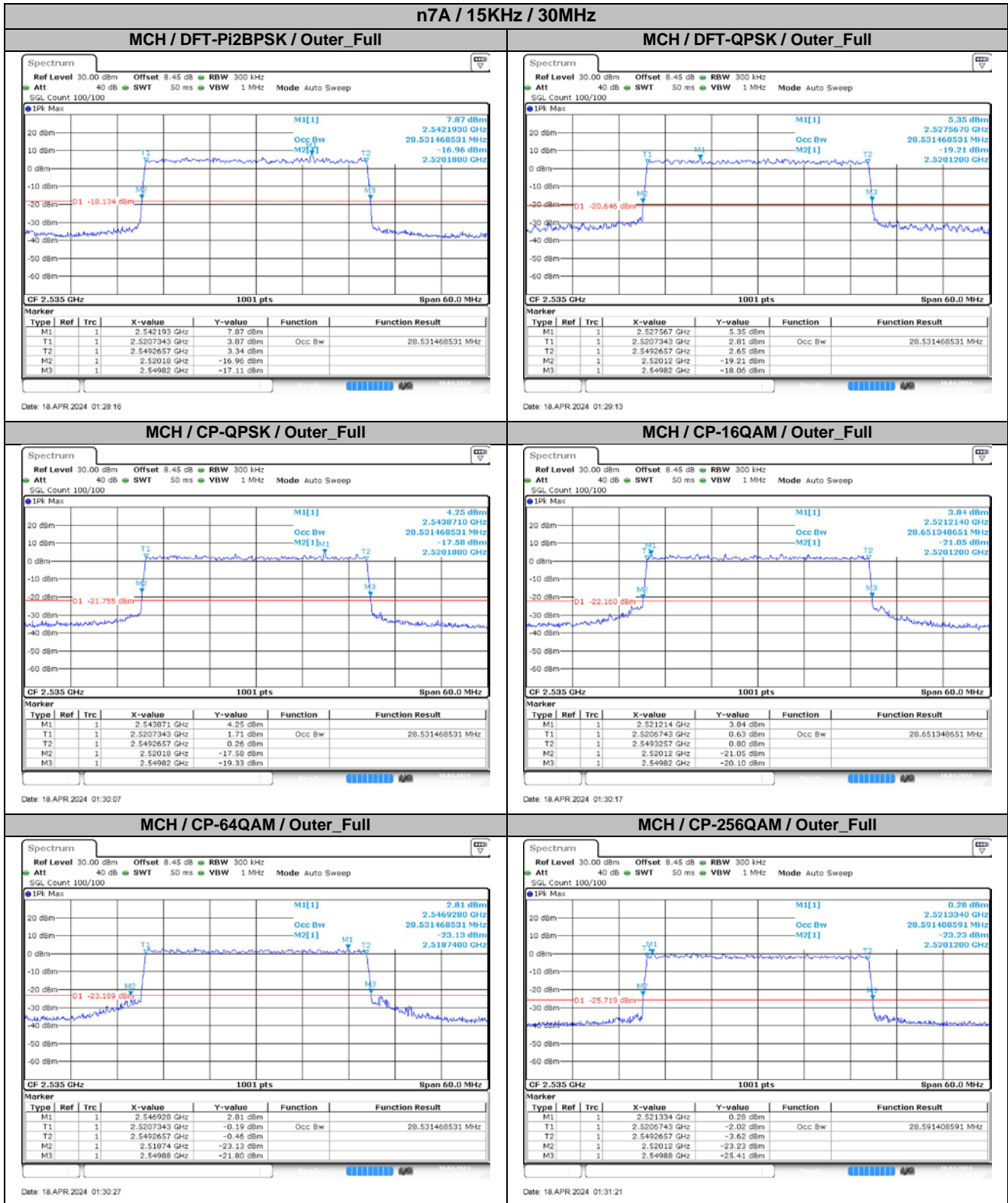


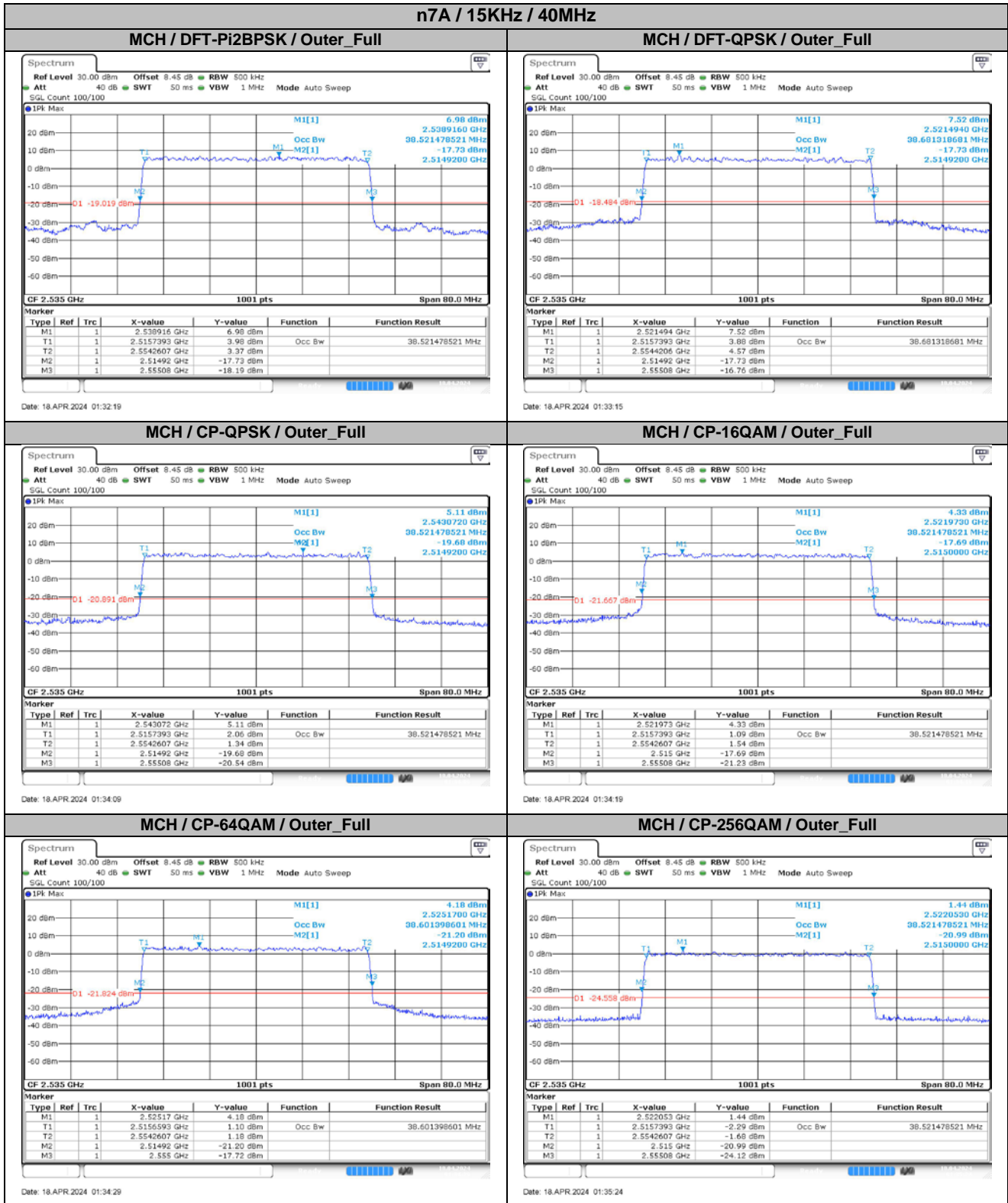






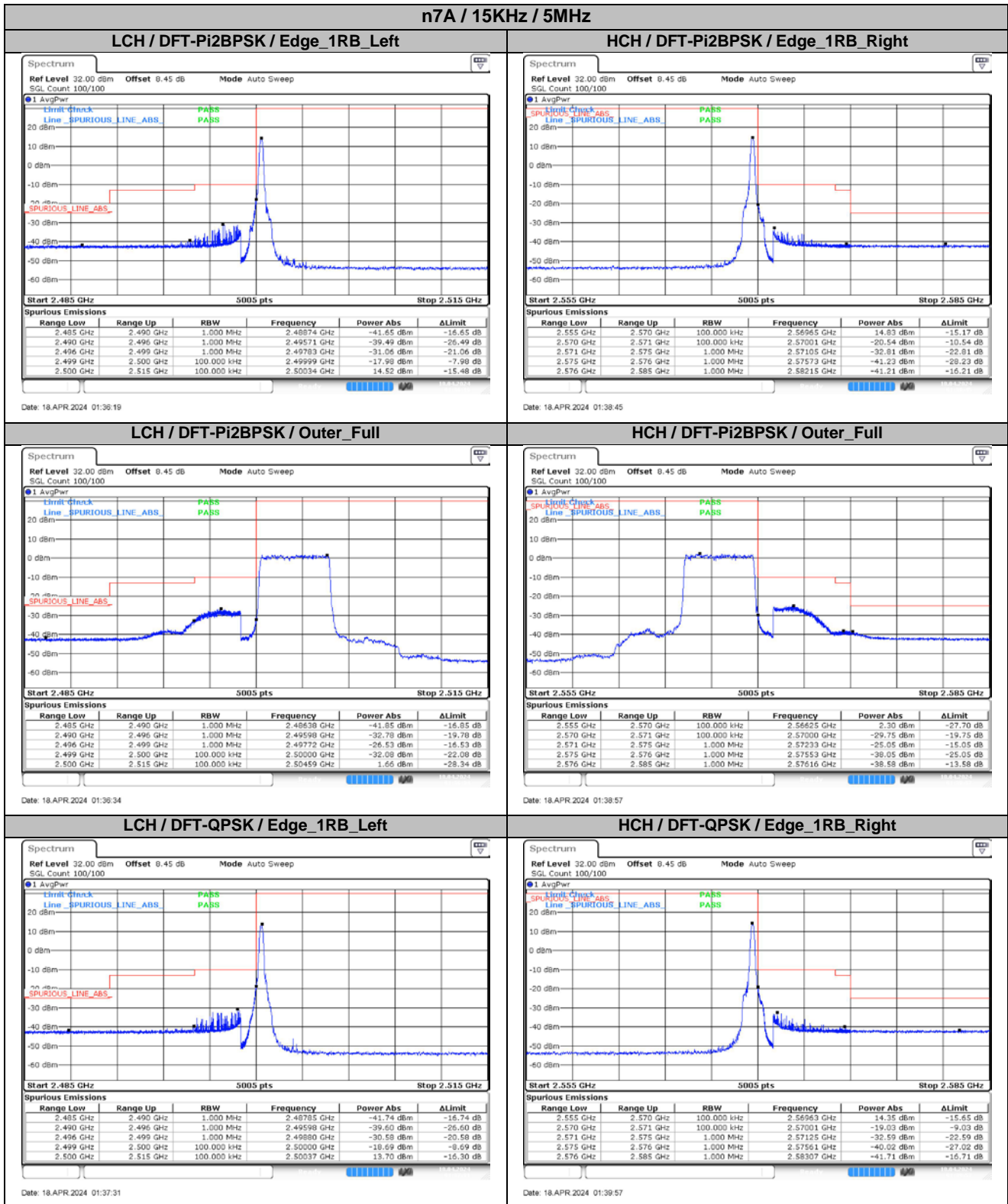




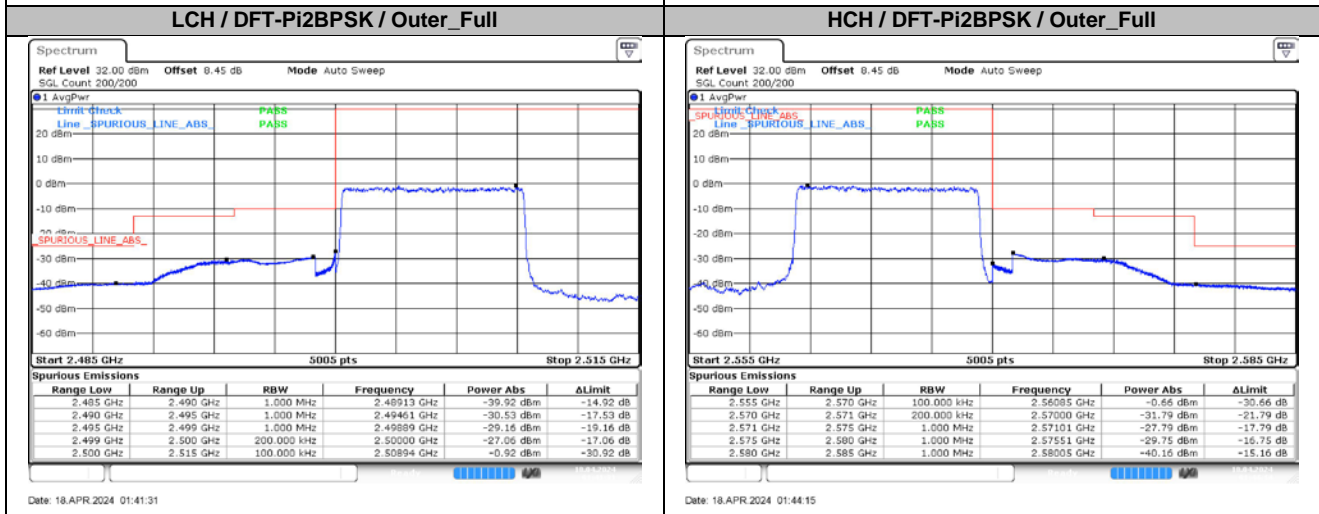
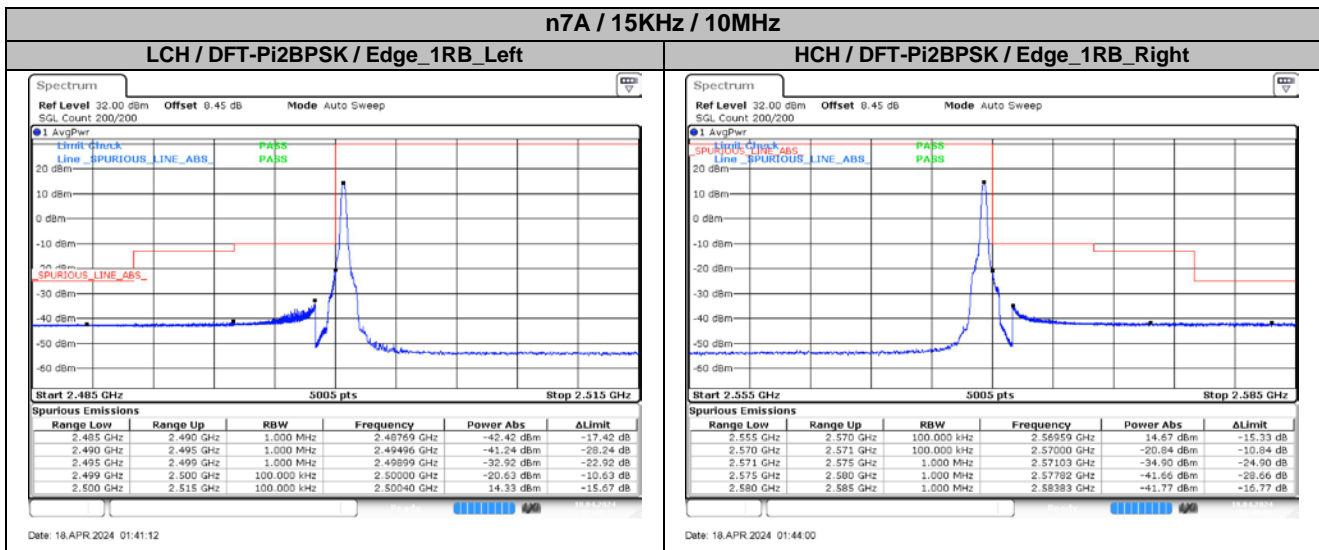
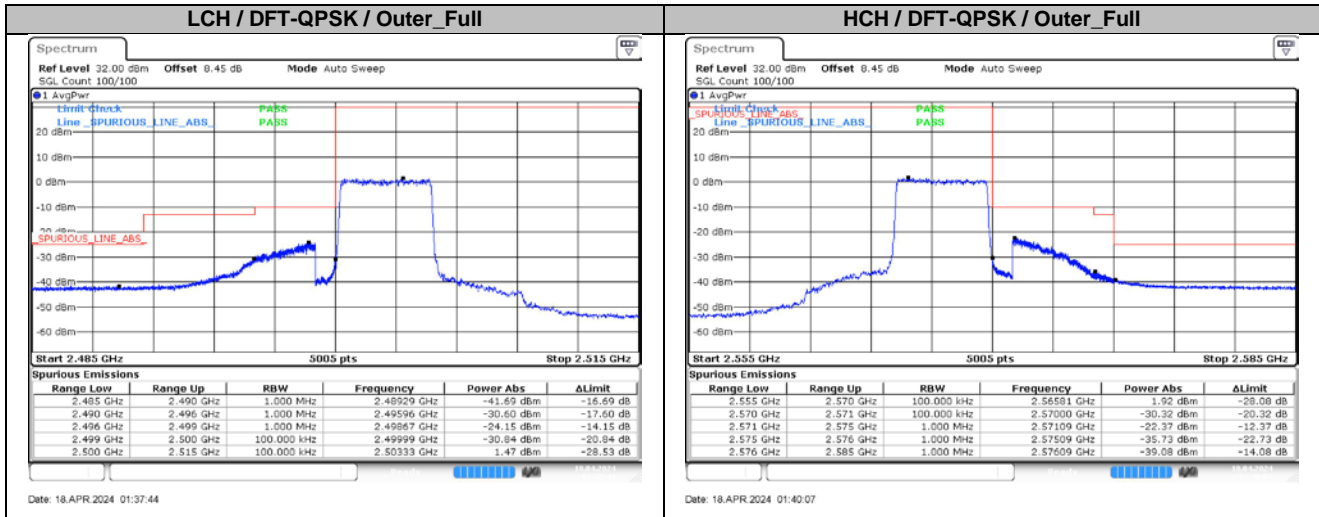


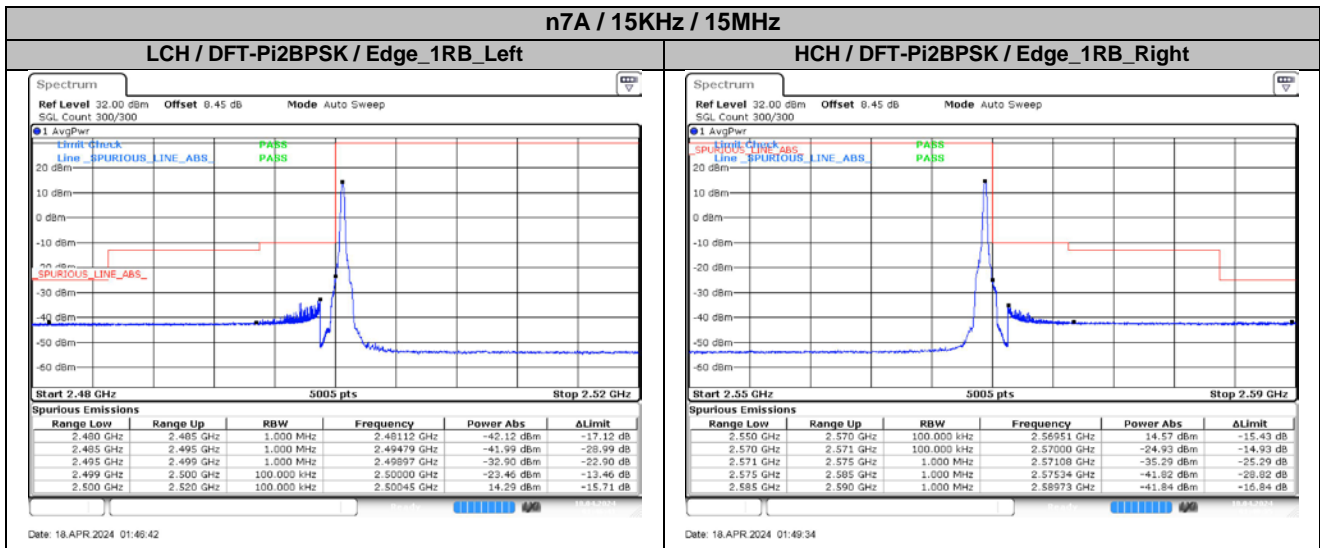
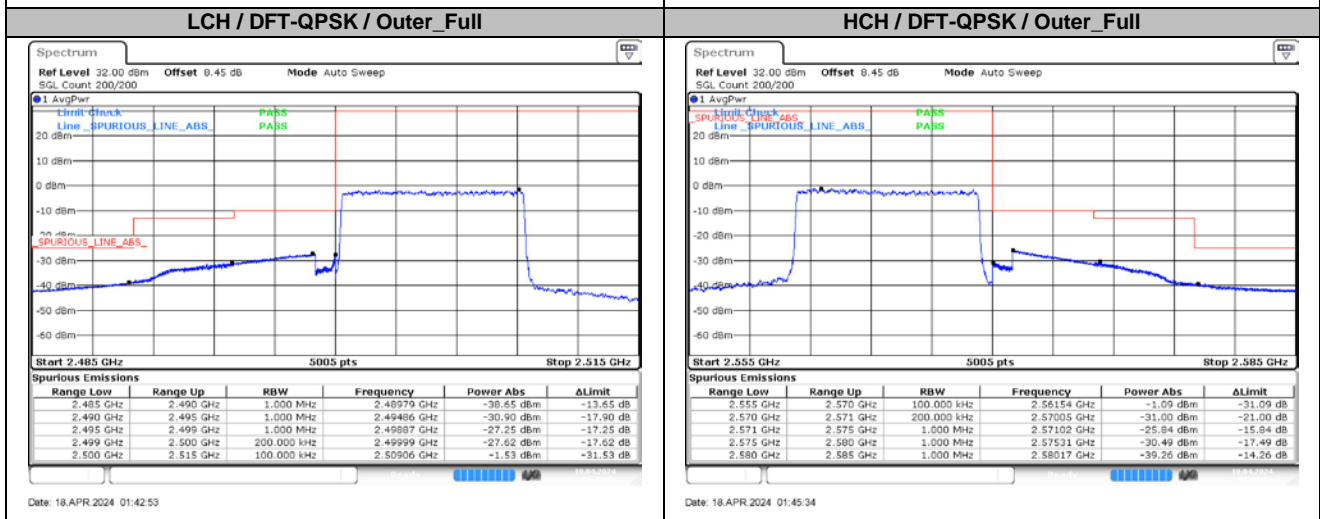
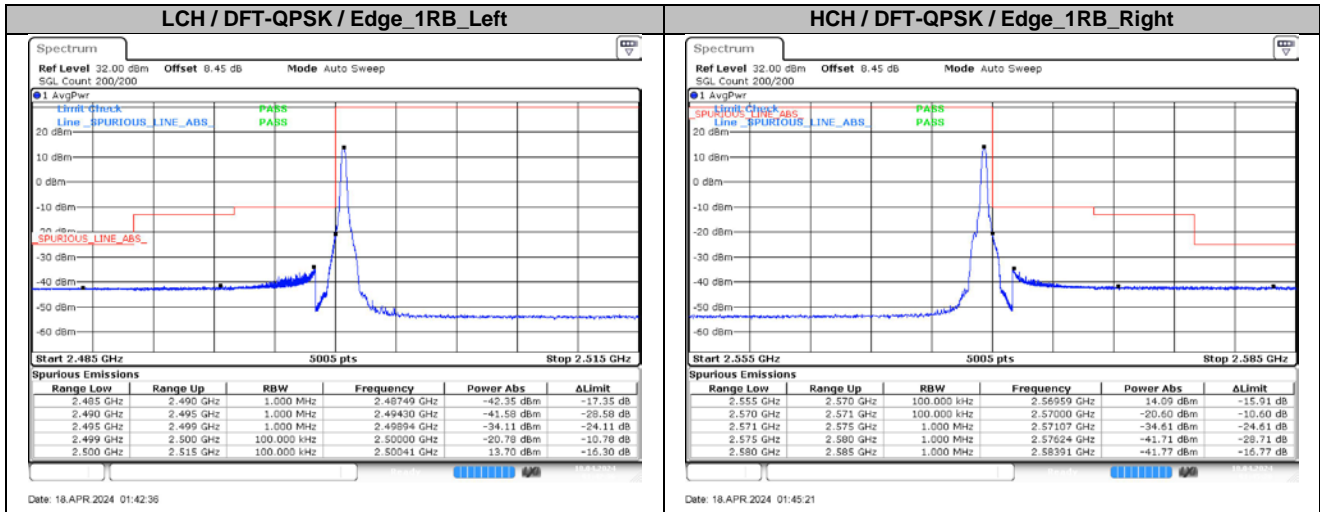
### 5. Conducted Band Edges

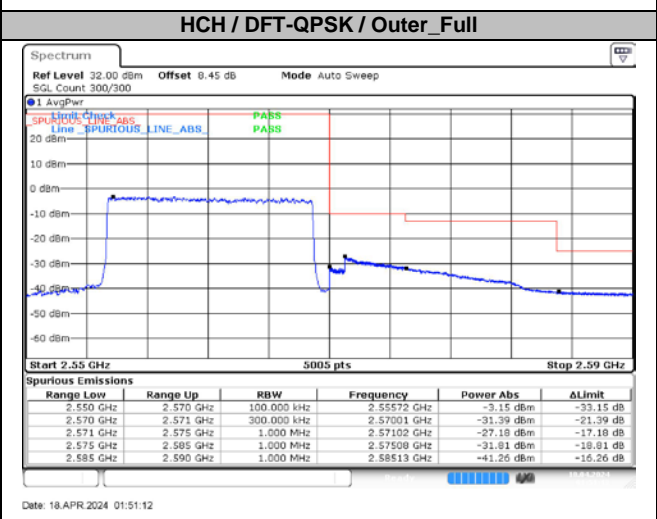
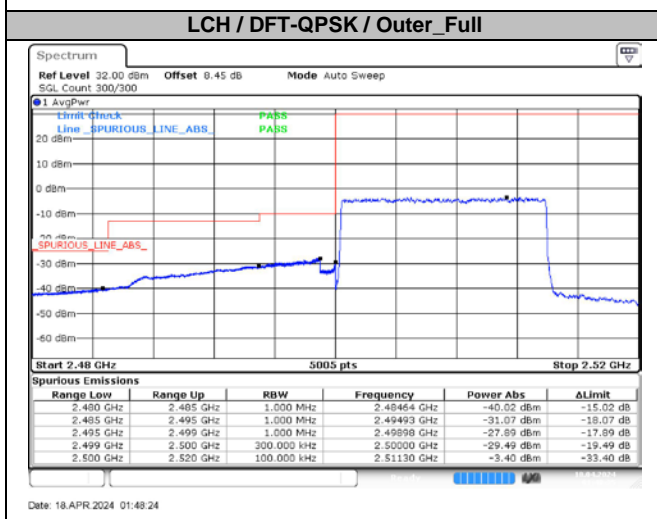
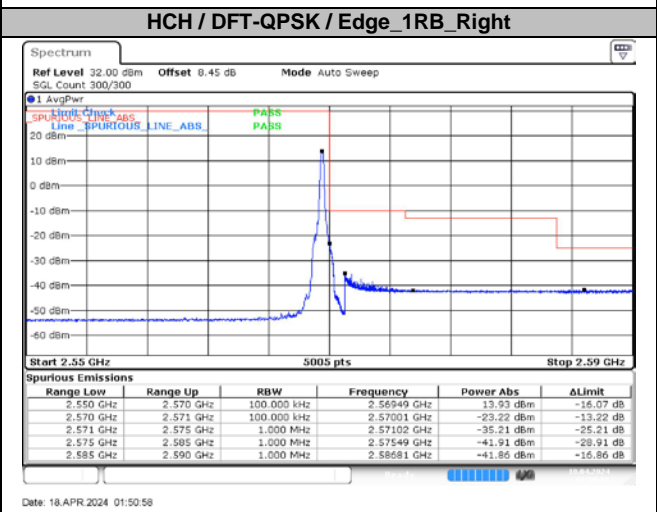
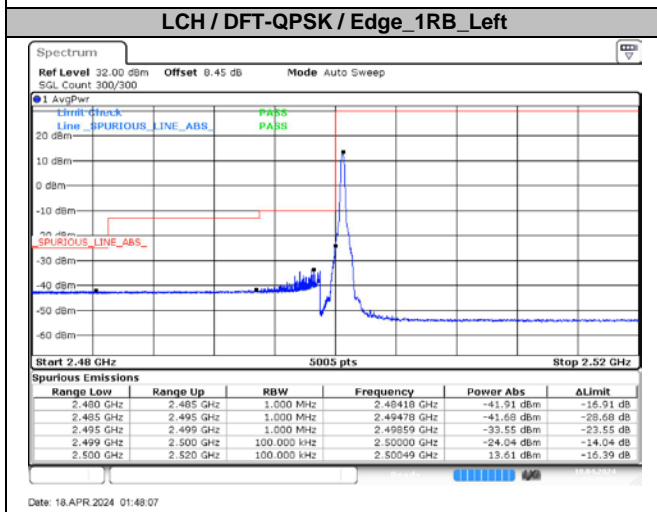
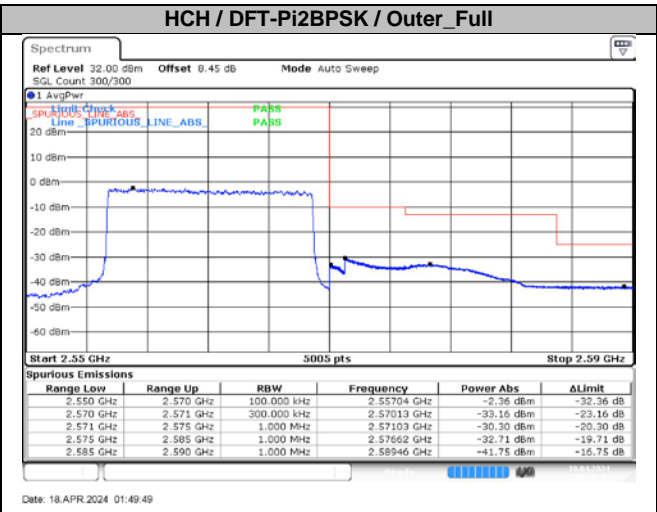
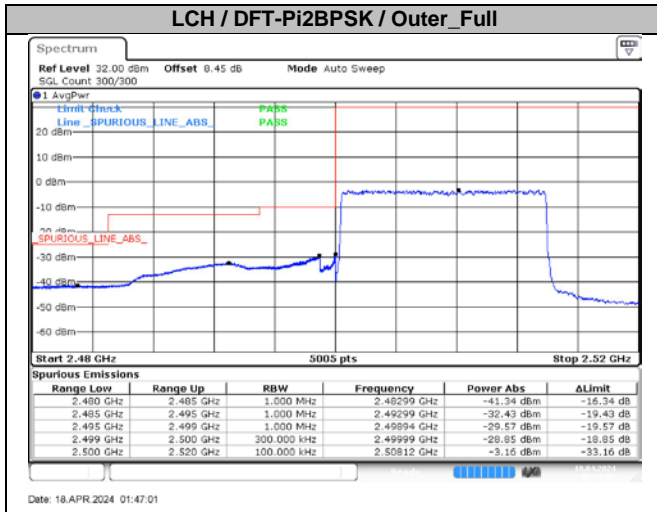
#### 5.1. Test Plots





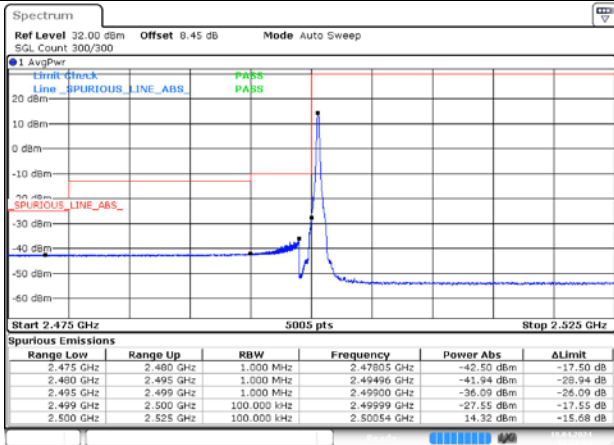






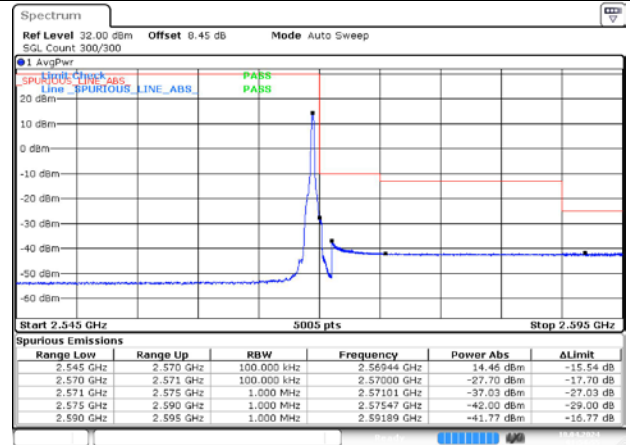
n7A / 15KHz / 20MHz

LCH / DFT-Pi2BPSK / Edge\_1RB\_Left



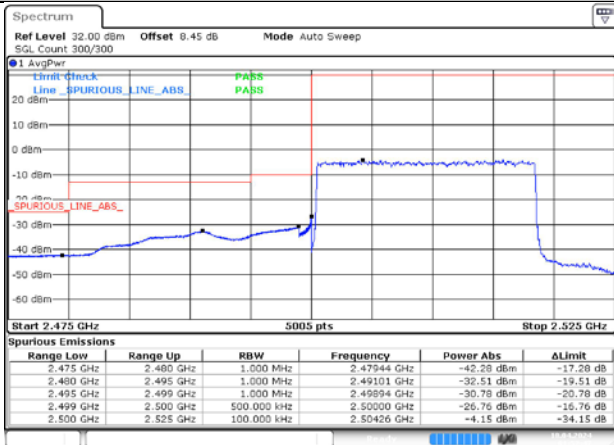
Date: 18.APR.2024 01:52:24

HCH / DFT-Pi2BPSK / Edge\_1RB\_Right



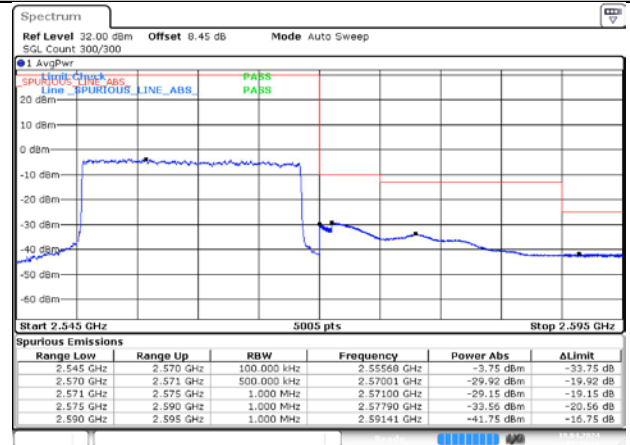
Date: 18.APR.2024 01:54:56

LCH / DFT-Pi2BPSK / Outer\_Full



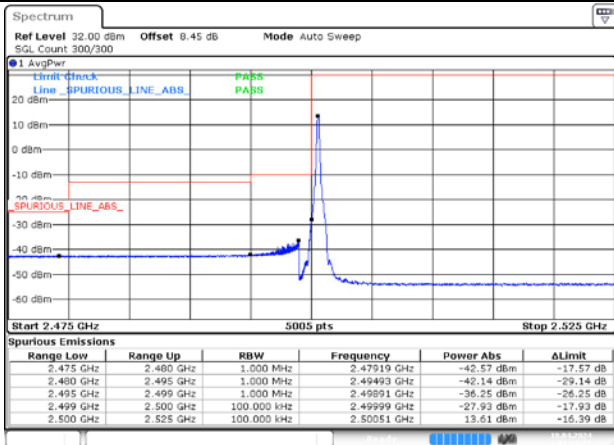
Date: 18.APR.2024 01:52:47

HCH / DFT-Pi2BPSK / Outer\_Full



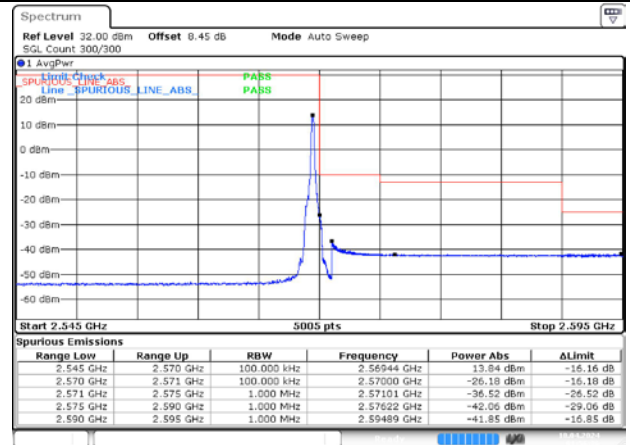
Date: 18.APR.2024 01:55:14

LCH / DFT-QPSK / Edge\_1RB\_Left



Date: 18.APR.2024 01:53:21

HCH / DFT-QPSK / Edge\_1RB\_Right



Date: 18.APR.2024 01:56:26