

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

Catalogue

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1. Effective Isotropic Radiated Power

1.1. Test Results @ Ant1 (Antenna Gain=-2.48dBi)

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	23.29	23.33	23.25	20.85	33.00	Pass
15KHz	5MHz	LCH	DFT-QPSK	23.25	23.37	23.26	20.89	33.00	Pass
15KHz	5MHz	LCH	DFT-16QAM	22.51	22.45	22.65	20.17	33.00	Pass
15KHz	5MHz	LCH	DFT-64QAM	21.19	21.20	21.13	18.72	33.00	Pass
15KHz	5MHz	LCH	DFT-256QAM	18.47	18.49	19.00	16.52	33.00	Pass
15KHz	5MHz	LCH	CP-QPSK	21.79	21.97	22.02	19.54	33.00	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	23.27	23.38	23.20	20.90	33.00	Pass
15KHz	5MHz	MCH	DFT-QPSK	23.22	23.26	23.19	20.78	33.00	Pass
15KHz	5MHz	MCH	DFT-16QAM	22.38	22.40	22.57	20.09	33.00	Pass
15KHz	5MHz	MCH	DFT-64QAM	21.13	21.20	21.04	18.72	33.00	Pass
15KHz	5MHz	MCH	DFT-256QAM	18.37	18.54	19.00	16.52	33.00	Pass
15KHz	5MHz	MCH	CP-QPSK	22.01	22.08	21.97	19.60	33.00	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	23.34	23.37	23.33	20.89	33.00	Pass
15KHz	5MHz	HCH	DFT-QPSK	23.25	23.33	23.21	20.85	33.00	Pass
15KHz	5MHz	HCH	DFT-16QAM	22.55	22.61	22.68	20.20	33.00	Pass
15KHz	5MHz	HCH	DFT-64QAM	21.26	21.23	21.12	18.78	33.00	Pass
15KHz	5MHz	HCH	DFT-256QAM	18.43	18.52	19.01	16.53	33.00	Pass
15KHz	5MHz	HCH	CP-QPSK	21.88	21.93	22.08	19.60	33.00	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	23.32	23.36	23.31	20.88	33.00	Pass
15KHz	10MHz	LCH	DFT-QPSK	23.28	23.40	23.29	20.92	33.00	Pass
15KHz	10MHz	LCH	DFT-16QAM	22.48	22.43	22.52	20.04	33.00	Pass
15KHz	10MHz	LCH	DFT-64QAM	21.20	21.20	21.00	18.72	33.00	Pass
15KHz	10MHz	LCH	DFT-256QAM	18.43	18.53	18.90	16.42	33.00	Pass
15KHz	10MHz	LCH	CP-QPSK	21.86	22.05	22.05	19.57	33.00	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	23.22	23.38	23.33	20.90	33.00	Pass
15KHz	10MHz	MCH	DFT-QPSK	23.24	23.36	23.25	20.88	33.00	Pass
15KHz	10MHz	MCH	DFT-16QAM	22.37	22.35	22.51	20.03	33.00	Pass
15KHz	10MHz	MCH	DFT-64QAM	21.11	21.33	21.01	18.85	33.00	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.42	18.52	18.94	16.46	33.00	Pass
15KHz	10MHz	MCH	CP-QPSK	21.93	21.92	21.97	19.49	33.00	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	23.33	23.47	23.38	20.99	33.00	Pass
15KHz	10MHz	HCH	DFT-QPSK	23.37	23.43	23.35	20.95	33.00	Pass
15KHz	10MHz	HCH	DFT-16QAM	22.53	22.37	22.58	20.10	33.00	Pass
15KHz	10MHz	HCH	DFT-64QAM	21.22	21.25	21.03	18.77	33.00	Pass
15KHz	10MHz	HCH	DFT-256QAM	18.46	18.52	19.02	16.54	33.00	Pass
15KHz	10MHz	HCH	CP-QPSK	21.96	22.02	21.97	19.54	33.00	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	23.48	23.45	23.49	21.01	33.00	Pass
15KHz	15MHz	LCH	DFT-QPSK	23.52	23.49	23.53	21.05	33.00	Pass
15KHz	15MHz	LCH	DFT-16QAM	22.66	22.56	22.77	20.29	33.00	Pass
15KHz	15MHz	LCH	DFT-64QAM	21.41	21.36	21.31	18.93	33.00	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.63	18.63	19.11	16.63	33.00	Pass
15KHz	15MHz	LCH	CP-QPSK	22.23	22.28	22.17	19.80	33.00	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	23.47	23.39	23.53	21.05	33.00	Pass
15KHz	15MHz	MCH	DFT-QPSK	23.47	23.48	23.54	21.06	33.00	Pass
15KHz	15MHz	MCH	DFT-16QAM	22.64	22.56	22.79	20.31	33.00	Pass
15KHz	15MHz	MCH	DFT-64QAM	21.37	21.43	21.29	18.95	33.00	Pass
15KHz	15MHz	MCH	DFT-256QAM	18.65	18.64	19.11	16.63	33.00	Pass
15KHz	15MHz	MCH	CP-QPSK	22.25	22.25	22.15	19.77	33.00	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	23.49	23.46	23.51	21.03	33.00	Pass
15KHz	15MHz	HCH	DFT-QPSK	23.48	23.41	23.48	21.00	33.00	Pass
15KHz	15MHz	HCH	DFT-16QAM	22.68	22.49	22.74	20.26	33.00	Pass
15KHz	15MHz	HCH	DFT-64QAM	21.38	21.29	21.29	18.90	33.00	Pass
15KHz	15MHz	HCH	DFT-256QAM	18.60	18.60	19.13	16.65	33.00	Pass
15KHz	15MHz	HCH	CP-QPSK	22.23	22.09	22.15	19.75	33.00	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	23.52	23.51	23.51	21.04	33.00	Pass
15KHz	20MHz	LCH	DFT-QPSK	23.48	23.56	23.53	21.08	33.00	Pass
15KHz	20MHz	LCH	DFT-16QAM	22.61	22.64	22.75	20.27	33.00	Pass
15KHz	20MHz	LCH	DFT-64QAM	21.45	21.33	21.30	18.97	33.00	Pass

15KHz	20MHz	LCH	DFT-256QAM	18.62	18.56	19.21	16.73	33.00	Pass
15KHz	20MHz	LCH	CP-QPSK	22.11	22.17	22.17	19.69	33.00	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	23.48	23.43	23.48	21.00	33.00	Pass
15KHz	20MHz	MCH	DFT-QPSK	23.59	23.50	23.50	21.11	33.00	Pass
15KHz	20MHz	MCH	DFT-16QAM	22.66	22.44	22.74	20.26	33.00	Pass
15KHz	20MHz	MCH	DFT-64QAM	21.40	21.46	21.29	18.98	33.00	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.66	18.67	19.13	16.65	33.00	Pass
15KHz	20MHz	MCH	CP-QPSK	22.20	22.09	22.17	19.72	33.00	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	23.44	23.42	23.52	21.04	33.00	Pass
15KHz	20MHz	HCH	DFT-QPSK	23.44	23.40	23.44	20.96	33.00	Pass
15KHz	20MHz	HCH	DFT-16QAM	22.56	22.43	22.68	20.20	33.00	Pass
15KHz	20MHz	HCH	DFT-64QAM	21.34	21.32	21.29	18.86	33.00	Pass
15KHz	20MHz	HCH	DFT-256QAM	18.63	18.49	19.13	16.65	33.00	Pass
15KHz	20MHz	HCH	CP-QPSK	22.12	22.06	22.11	19.64	33.00	Pass
15KHz	25MHz	LCH	DFT-Pi2BPSK	23.45	23.55	23.46	21.07	33.00	Pass
15KHz	25MHz	LCH	DFT-QPSK	23.51	23.55	23.50	21.07	33.00	Pass
15KHz	25MHz	LCH	DFT-16QAM	22.64	22.68	22.77	20.29	33.00	Pass
15KHz	25MHz	LCH	DFT-64QAM	21.46	21.40	21.27	18.98	33.00	Pass
15KHz	25MHz	LCH	DFT-256QAM	18.63	18.73	19.12	16.64	33.00	Pass
15KHz	25MHz	LCH	CP-QPSK	22.22	22.22	22.20	19.74	33.00	Pass
15KHz	25MHz	MCH	DFT-Pi2BPSK	23.56	23.48	23.47	21.08	33.00	Pass
15KHz	25MHz	MCH	DFT-QPSK	23.57	23.55	23.51	21.09	33.00	Pass
15KHz	25MHz	MCH	DFT-16QAM	22.71	22.52	22.76	20.28	33.00	Pass
15KHz	25MHz	MCH	DFT-64QAM	21.30	21.46	21.28	18.98	33.00	Pass
15KHz	25MHz	MCH	DFT-256QAM	18.71	18.64	19.13	16.65	33.00	Pass
15KHz	25MHz	MCH	CP-QPSK	22.25	22.23	22.23	19.77	33.00	Pass
15KHz	25MHz	HCH	DFT-Pi2BPSK	23.41	23.43	23.48	21.00	33.00	Pass
15KHz	25MHz	HCH	DFT-QPSK	23.46	23.43	23.49	21.01	33.00	Pass
15KHz	25MHz	HCH	DFT-16QAM	22.46	22.63	22.71	20.23	33.00	Pass
15KHz	25MHz	HCH	DFT-64QAM	21.39	21.36	21.24	18.91	33.00	Pass
15KHz	25MHz	HCH	DFT-256QAM	18.57	18.61	19.14	16.66	33.00	Pass
15KHz	25MHz	HCH	CP-QPSK	22.33	22.20	22.18	19.85	33.00	Pass
15KHz	30MHz	LCH	DFT-Pi2BPSK	23.48	23.55	23.41	21.07	33.00	Pass
15KHz	30MHz	LCH	DFT-QPSK	23.47	23.55	23.42	21.07	33.00	Pass
15KHz	30MHz	LCH	DFT-16QAM	22.58	22.68	22.69	20.21	33.00	Pass
15KHz	30MHz	LCH	DFT-64QAM	21.38	21.40	21.23	18.92	33.00	Pass
15KHz	30MHz	LCH	DFT-256QAM	18.71	18.75	19.14	16.66	33.00	Pass
15KHz	30MHz	LCH	CP-QPSK	22.21	22.32	22.15	19.84	33.00	Pass
15KHz	30MHz	MCH	DFT-Pi2BPSK	23.48	23.39	23.43	21.00	33.00	Pass
15KHz	30MHz	MCH	DFT-QPSK	23.39	23.52	23.42	21.04	33.00	Pass
15KHz	30MHz	MCH	DFT-16QAM	22.53	22.56	22.70	20.22	33.00	Pass
15KHz	30MHz	MCH	DFT-64QAM	21.25	21.38	21.24	18.90	33.00	Pass
15KHz	30MHz	MCH	DFT-256QAM	18.56	18.67	19.13	16.65	33.00	Pass
15KHz	30MHz	MCH	CP-QPSK	22.28	22.18	22.12	19.80	33.00	Pass
15KHz	30MHz	HCH	DFT-Pi2BPSK	23.34	23.52	23.45	21.04	33.00	Pass
15KHz	30MHz	HCH	DFT-QPSK	23.41	23.53	23.45	21.05	33.00	Pass
15KHz	30MHz	HCH	DFT-16QAM	22.60	22.59	22.64	20.16	33.00	Pass
15KHz	30MHz	HCH	DFT-64QAM	21.24	21.42	21.23	18.94	33.00	Pass
15KHz	30MHz	HCH	DFT-256QAM	18.62	18.75	19.27	16.79	33.00	Pass
15KHz	30MHz	HCH	CP-QPSK	22.15	22.46	22.21	19.98	33.00	Pass
15KHz	40MHz	LCH	DFT-Pi2BPSK	23.46	23.42	23.40	20.98	33.00	Pass
15KHz	40MHz	LCH	DFT-QPSK	23.47	23.48	23.40	21.00	33.00	Pass
15KHz	40MHz	LCH	DFT-16QAM	22.61	22.55	22.61	20.13	33.00	Pass
15KHz	40MHz	LCH	DFT-64QAM	21.27	21.42	21.13	18.94	33.00	Pass
15KHz	40MHz	LCH	DFT-256QAM	18.61	18.78	19.15	16.67	33.00	Pass
15KHz	40MHz	LCH	CP-QPSK	22.15	22.38	22.18	19.90	33.00	Pass
15KHz	40MHz	MCH	DFT-Pi2BPSK	23.40	23.57	23.46	21.09	33.00	Pass
15KHz	40MHz	MCH	DFT-QPSK	23.45	23.48	23.47	21.00	33.00	Pass
15KHz	40MHz	MCH	DFT-16QAM	22.48	22.58	22.73	20.25	33.00	Pass
15KHz	40MHz	MCH	DFT-64QAM	21.32	21.47	21.20	18.99	33.00	Pass
15KHz	40MHz	MCH	DFT-256QAM	18.58	18.82	19.10	16.62	33.00	Pass
15KHz	40MHz	MCH	CP-QPSK	22.21	22.31	22.16	19.83	33.00	Pass

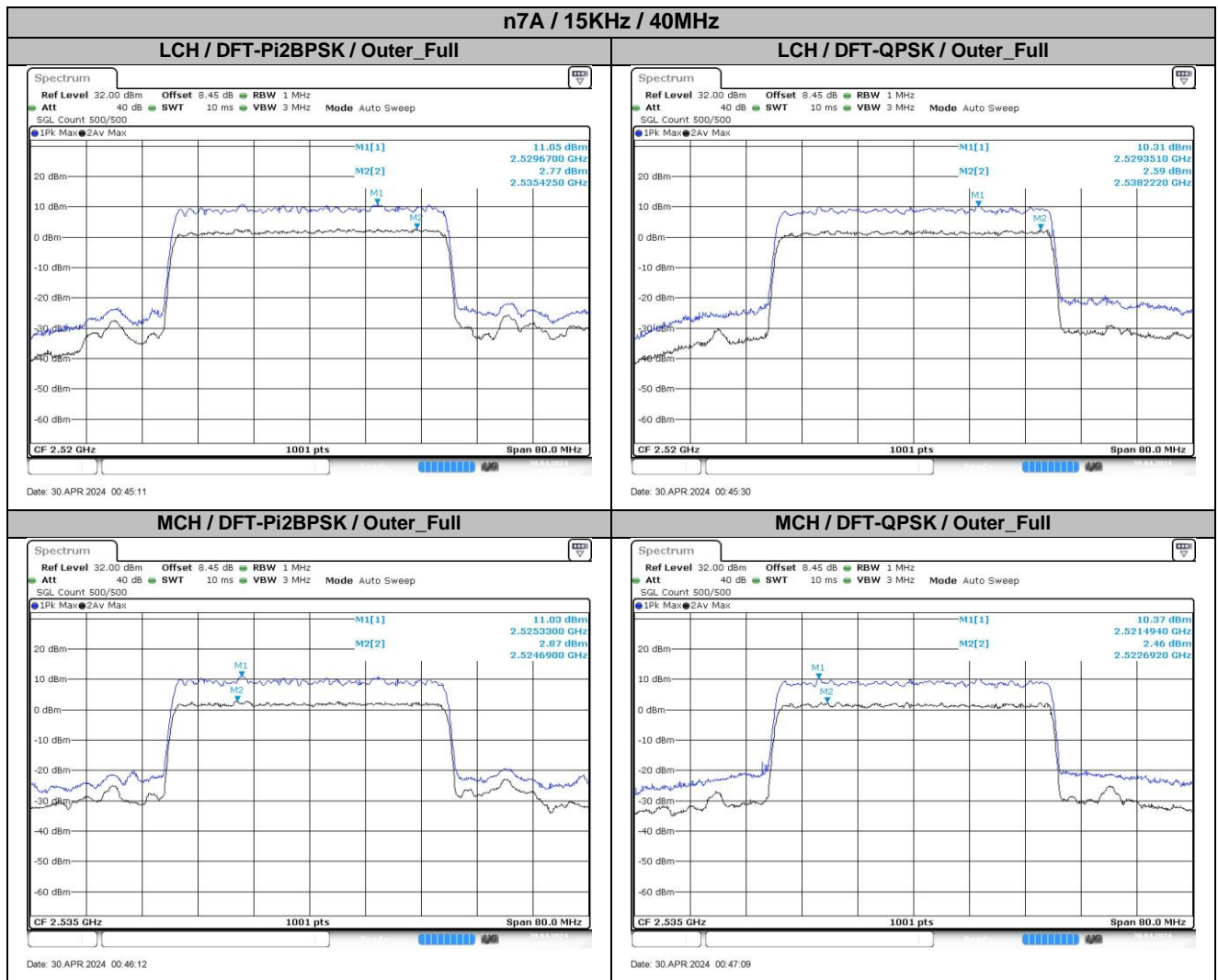
15KHz	40MHz	HCH	DFT-Pi2BPSK	23.35	23.43	23.53	21.05	33.00	Pass
15KHz	40MHz	HCH	DFT-QPSK	23.46	23.57	23.51	21.09	33.00	Pass
15KHz	40MHz	HCH	DFT-16QAM	22.58	22.64	22.75	20.27	33.00	Pass
15KHz	40MHz	HCH	DFT-64QAM	21.32	21.43	21.14	18.95	33.00	Pass
15KHz	40MHz	HCH	DFT-256QAM	18.65	18.79	19.17	16.69	33.00	Pass
15KHz	40MHz	HCH	CP-QPSK	22.13	22.37	22.23	19.89	33.00	Pass

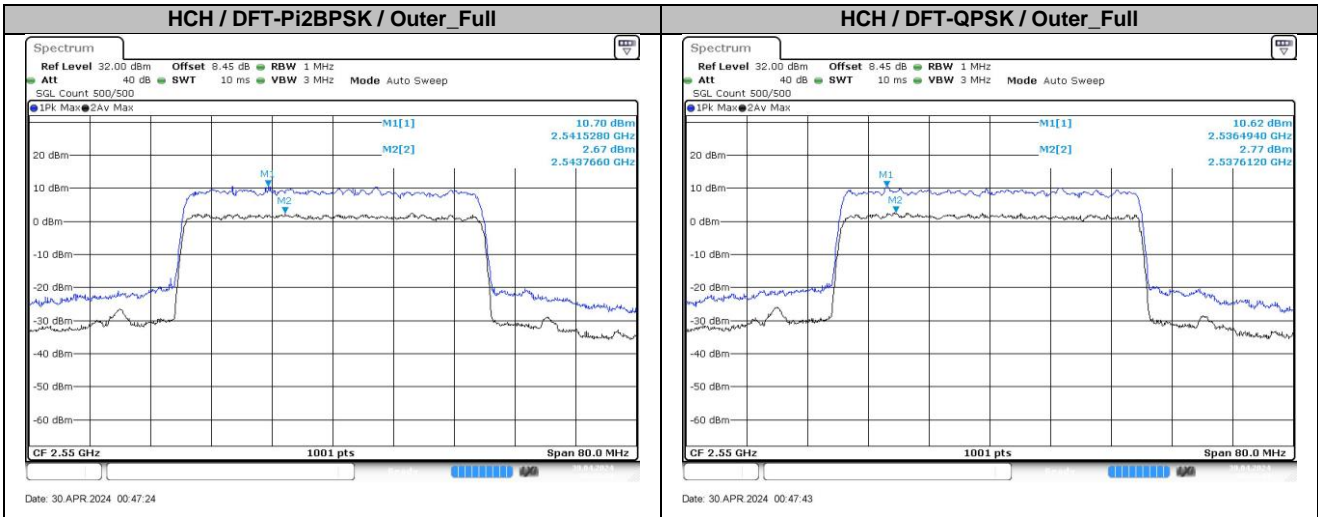
2. Peak-to-Average Ratio

2.1. Test Results

SCS	Bandwidth	Channel	Modulation	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	40MHz	LCH	Outer_Full	8.27	7.72	13.00	Pass
15KHz	40MHz	MCH	Outer_Full	8.16	7.90	13.00	Pass
15KHz	40MHz	HCH	Outer_Full	8.03	7.85	13.00	Pass

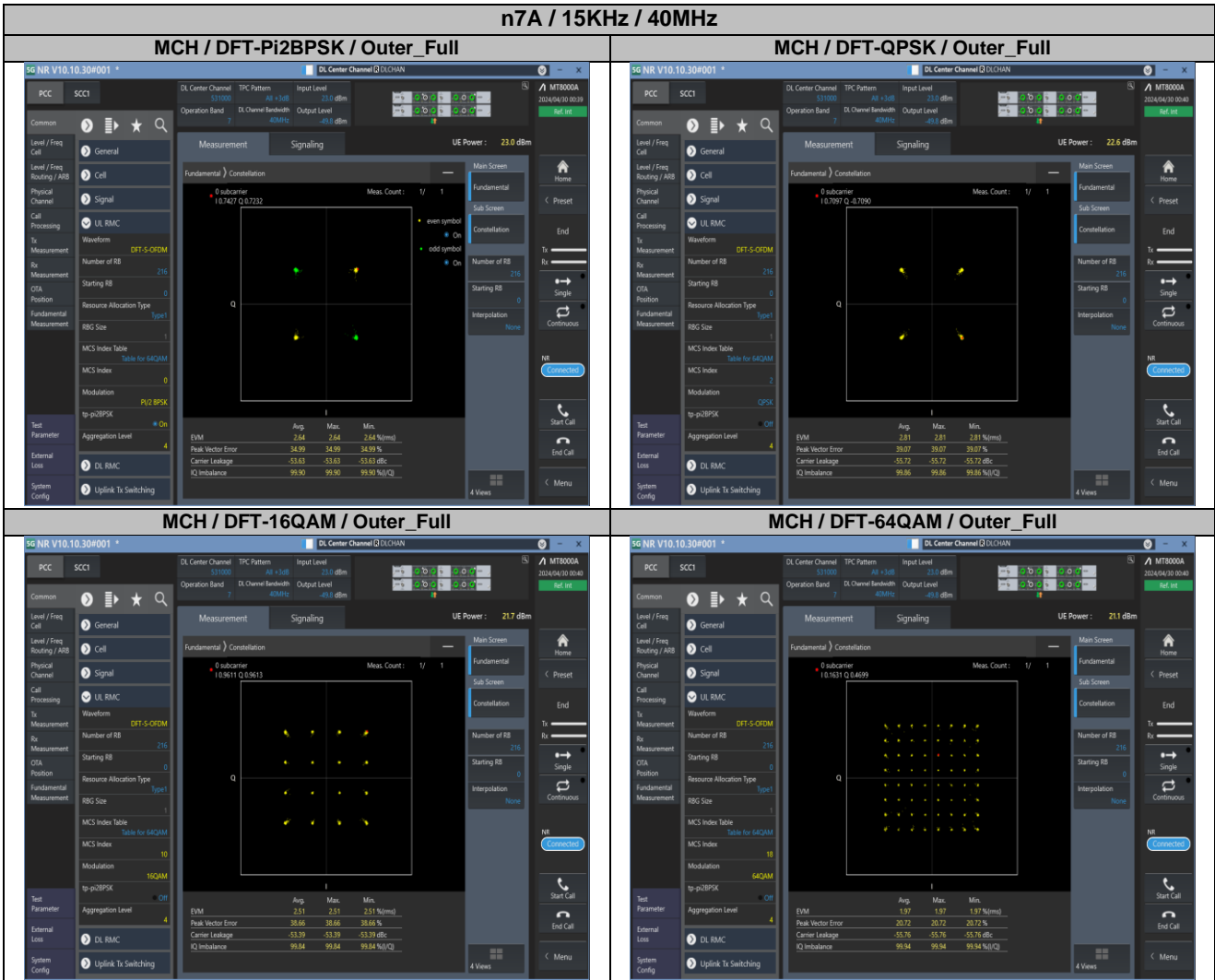
2.2. Test Plots

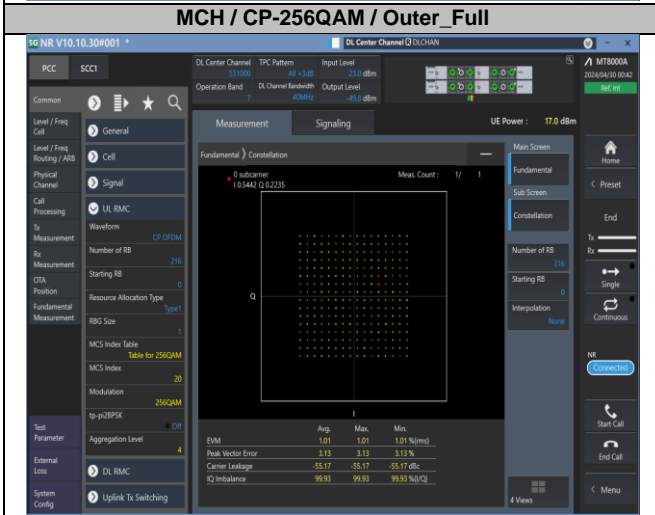
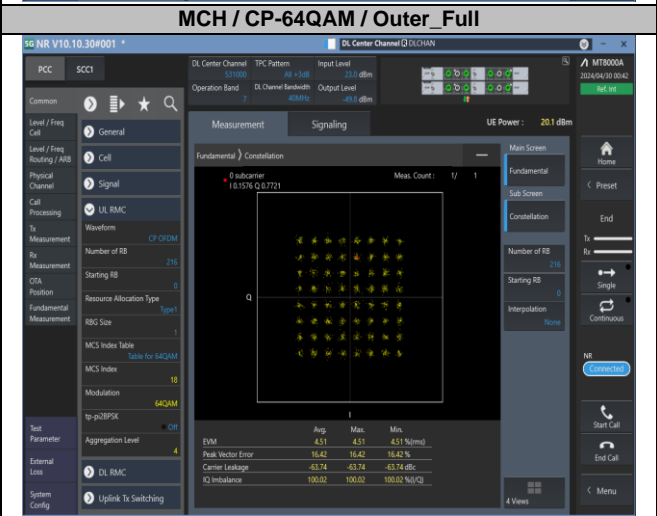
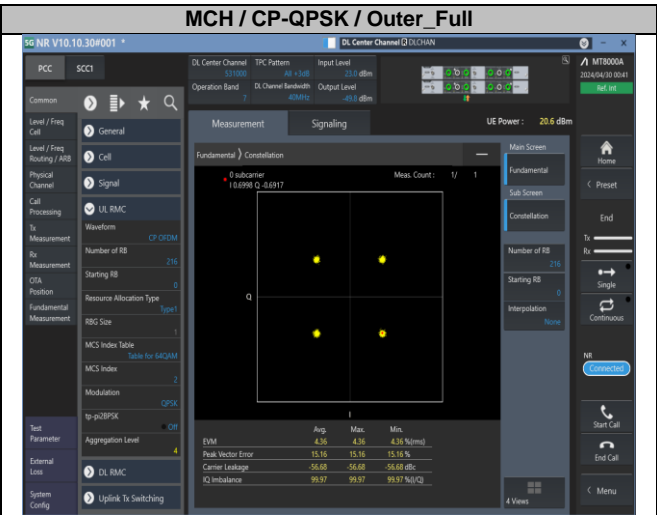
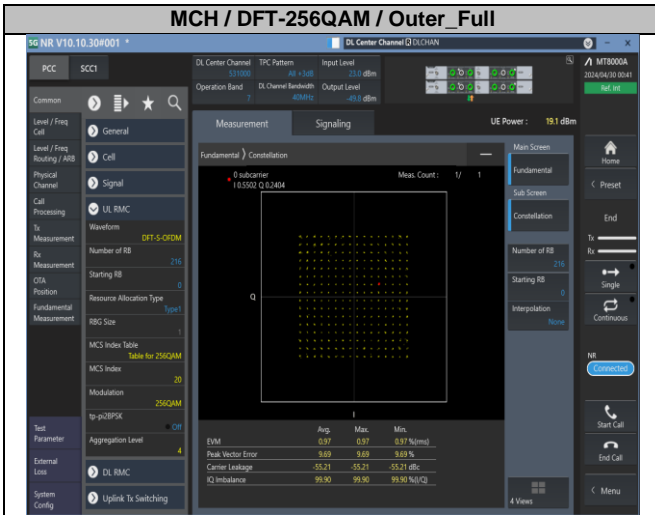




3. Modulation Characteristics

3.1. Test Plots





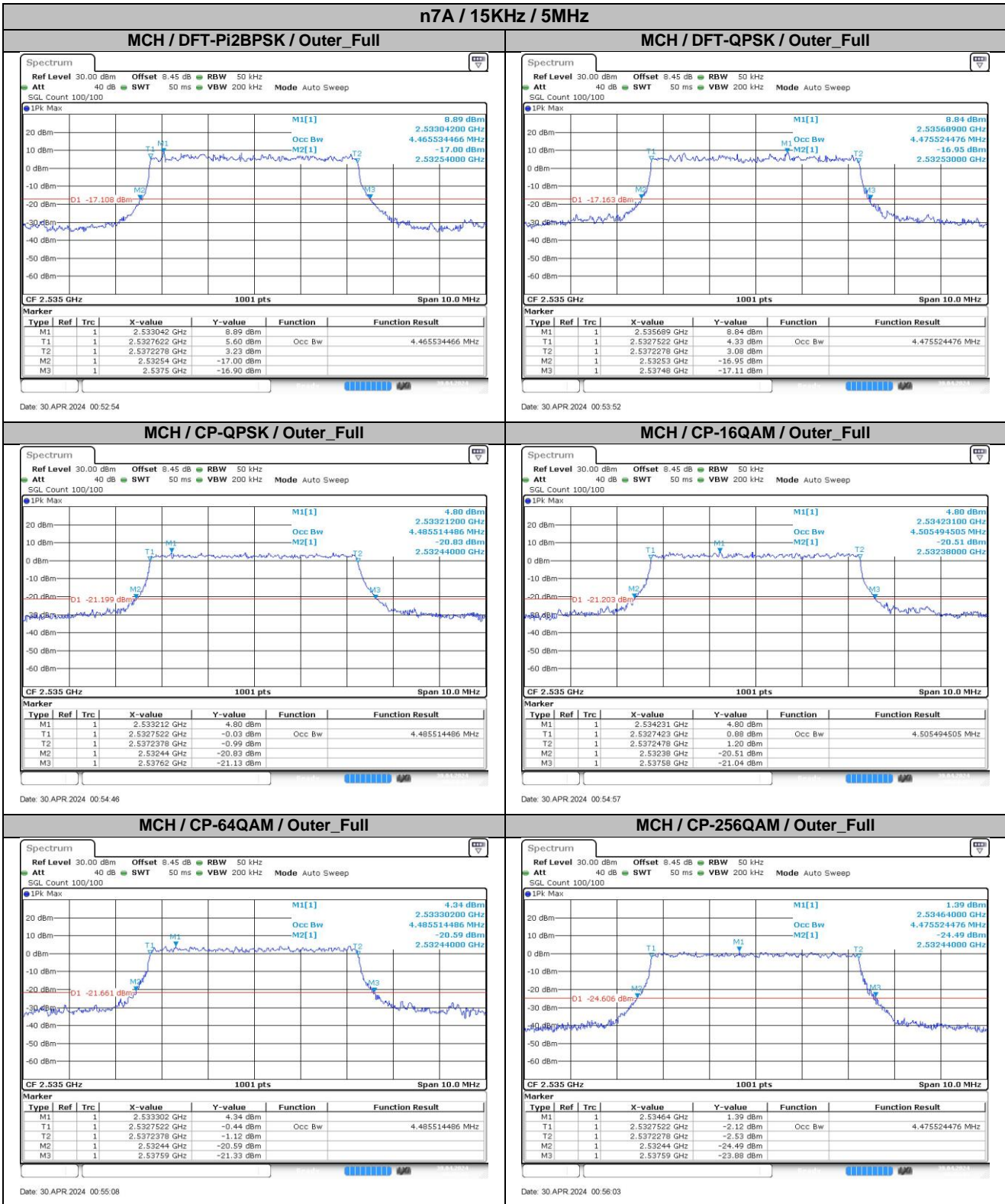
Intentionally Blank

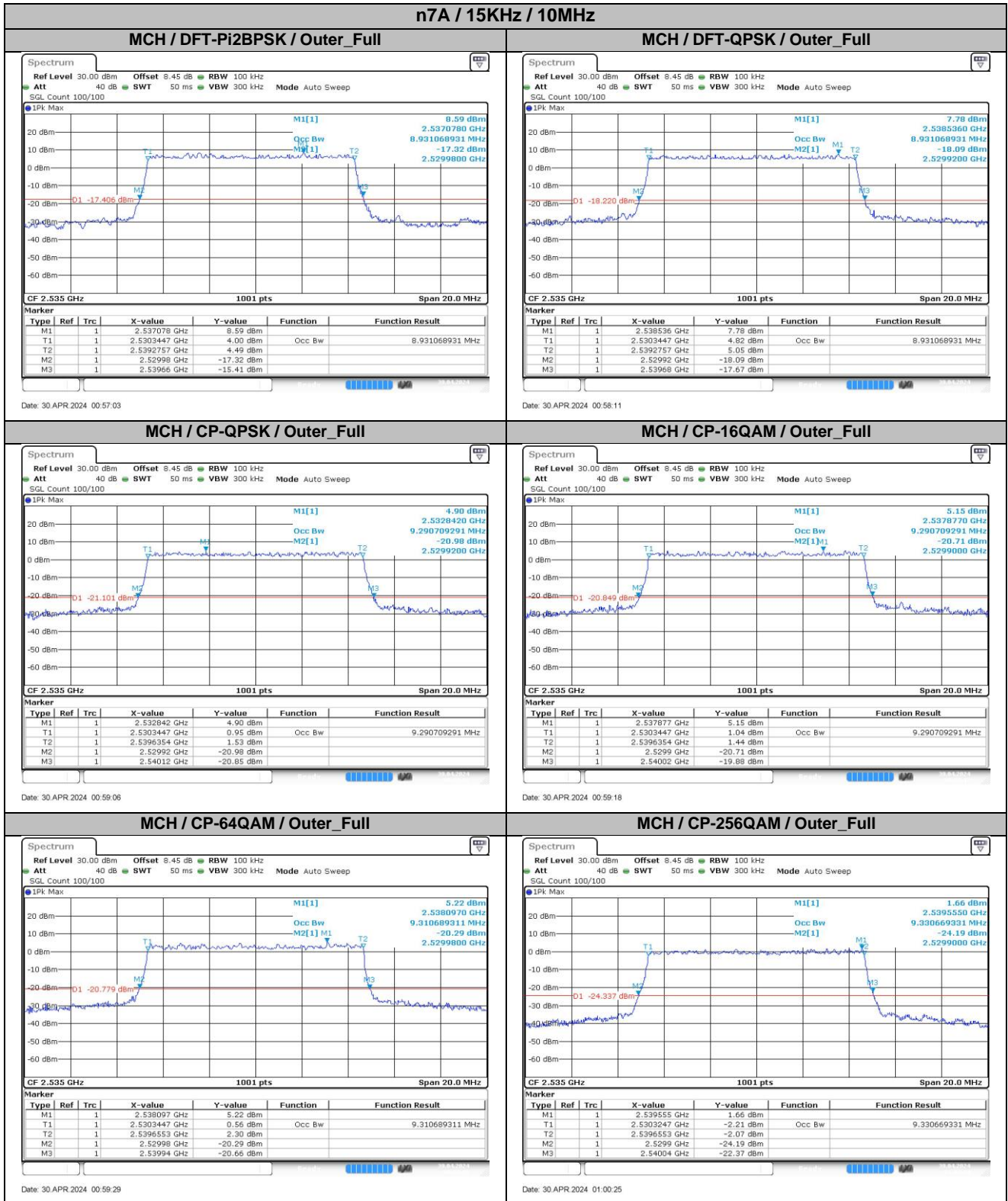
4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

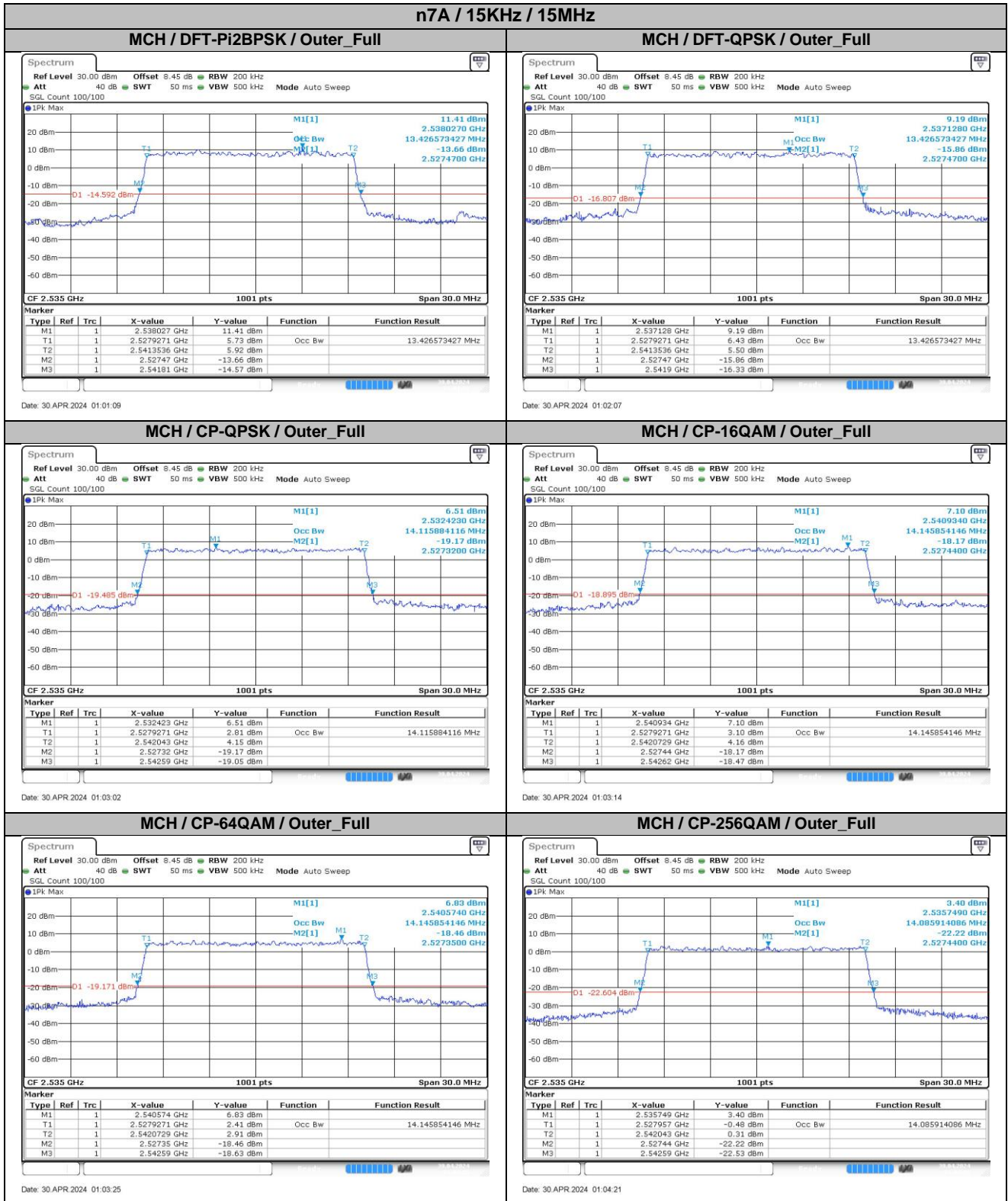
4.1. Test Results

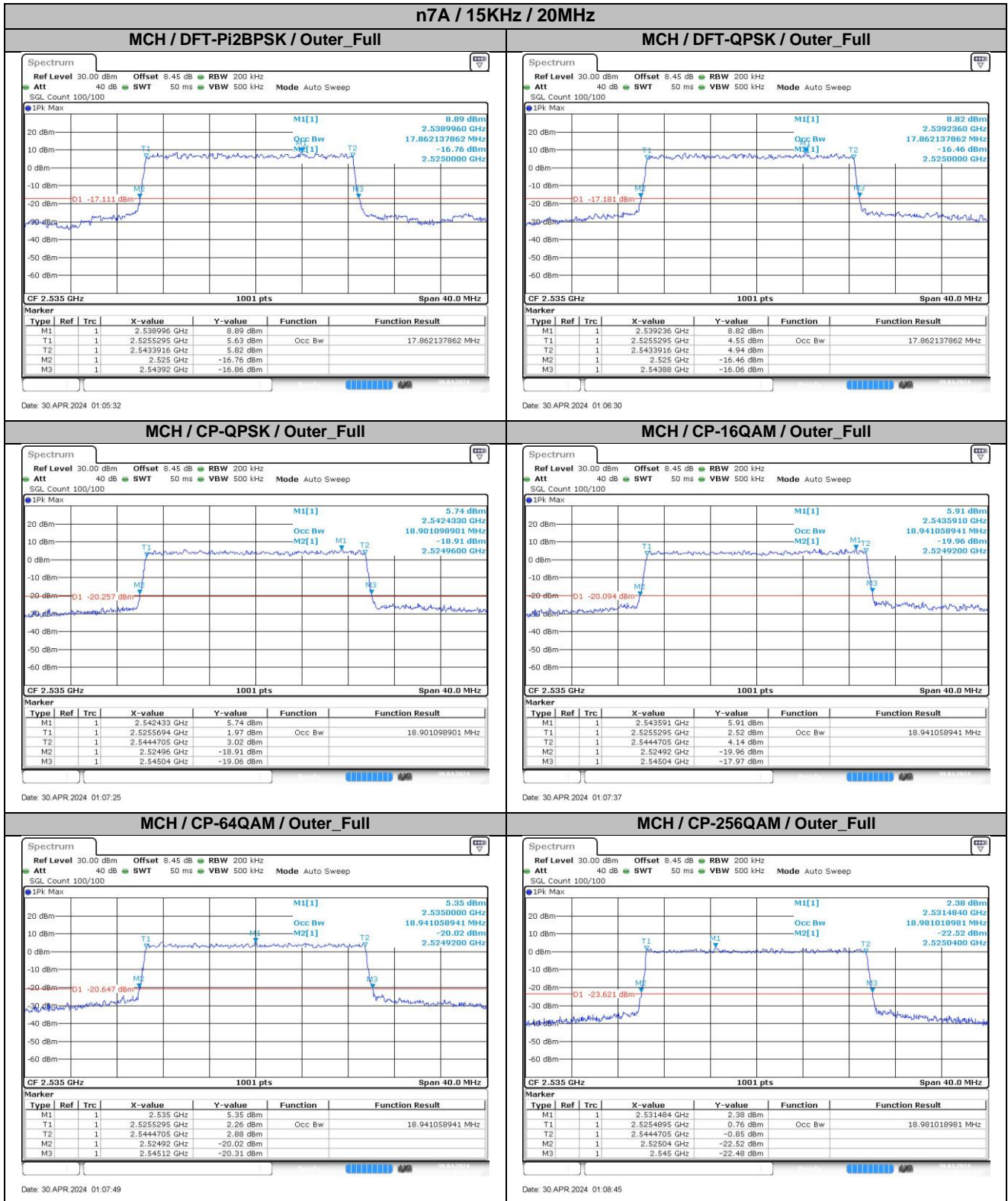
SCS	Bandwidth	Modulation	RB Config	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.47	4.96	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.48	4.95	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.49	5.18	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.51	5.20	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.49	5.15	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.48	5.15	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.93	9.68	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.93	9.76	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.29	10.20	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.29	10.12	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.31	9.96	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.33	10.14	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.43	14.34	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.43	14.43	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.12	15.27	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.15	15.18	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.15	15.24	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.09	15.15	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.86	18.92	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.86	18.88	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.90	20.08	Pass
15KHz	20MHz	CP-16QAM	Outer_Full	18.94	20.12	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	18.94	20.20	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	18.98	19.96	Pass
15KHz	25MHz	DFT-Pi2BPSK	Outer_Full	22.88	24.00	Pass
15KHz	25MHz	DFT-QPSK	Outer_Full	22.93	24.05	Pass
15KHz	25MHz	CP-QPSK	Outer_Full	23.78	25.00	Pass
15KHz	25MHz	CP-16QAM	Outer_Full	23.73	25.10	Pass
15KHz	25MHz	CP-64QAM	Outer_Full	23.78	25.10	Pass
15KHz	25MHz	CP-256QAM	Outer_Full	23.78	24.95	Pass
15KHz	30MHz	DFT-Pi2BPSK	Outer_Full	28.53	29.70	Pass
15KHz	30MHz	DFT-QPSK	Outer_Full	28.59	29.88	Pass
15KHz	30MHz	CP-QPSK	Outer_Full	28.59	29.94	Pass
15KHz	30MHz	CP-16QAM	Outer_Full	28.65	29.88	Pass
15KHz	30MHz	CP-64QAM	Outer_Full	28.53	33.48	Pass
15KHz	30MHz	CP-256QAM	Outer_Full	28.59	29.94	Pass
15KHz	40MHz	DFT-Pi2BPSK	Outer_Full	38.60	40.24	Pass
15KHz	40MHz	DFT-QPSK	Outer_Full	38.68	40.32	Pass
15KHz	40MHz	CP-QPSK	Outer_Full	38.52	40.32	Pass
15KHz	40MHz	CP-16QAM	Outer_Full	38.60	42.16	Pass
15KHz	40MHz	CP-64QAM	Outer_Full	38.60	40.32	Pass
15KHz	40MHz	CP-256QAM	Outer_Full	38.60	40.24	Pass

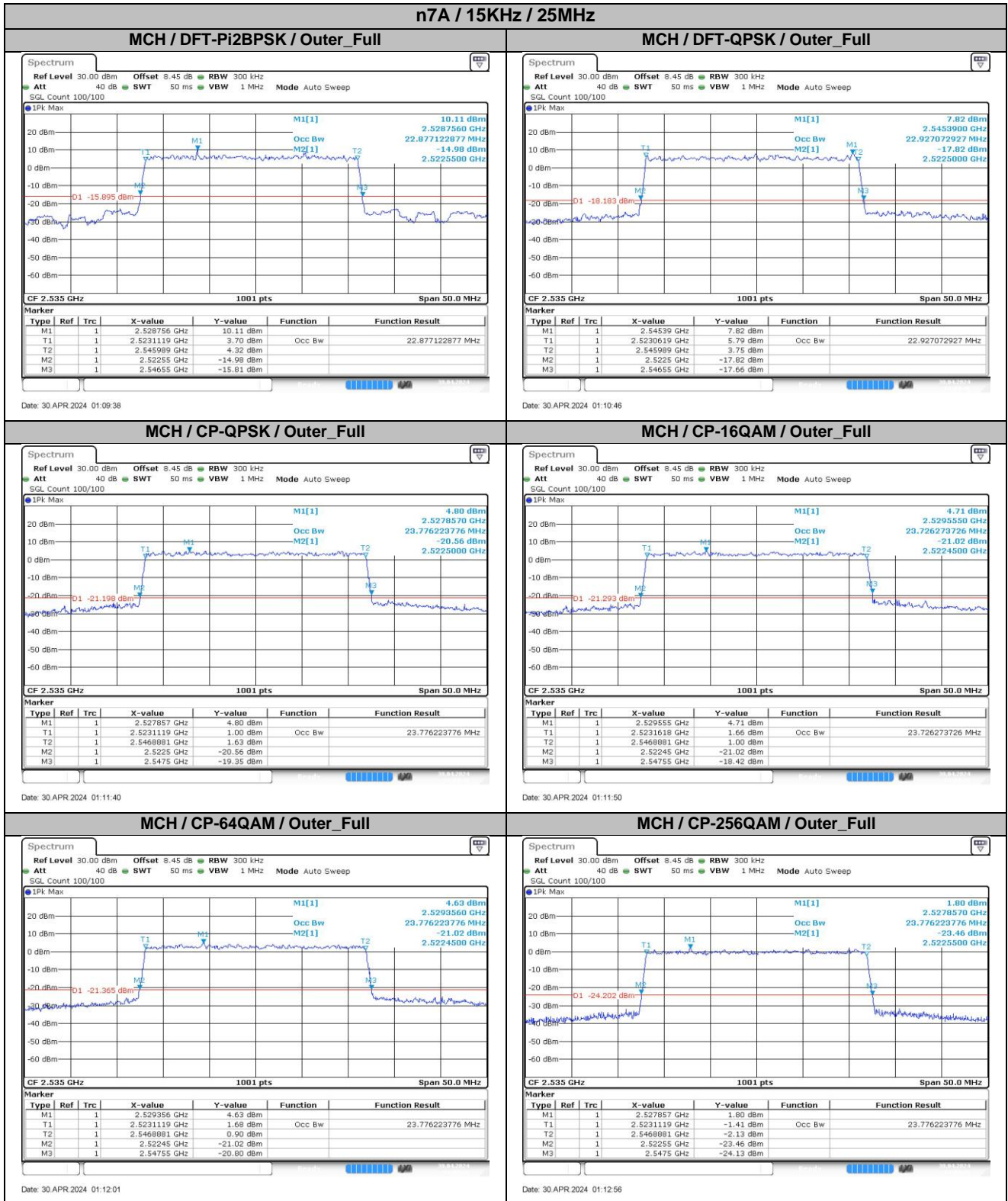
4.2. Test Plots

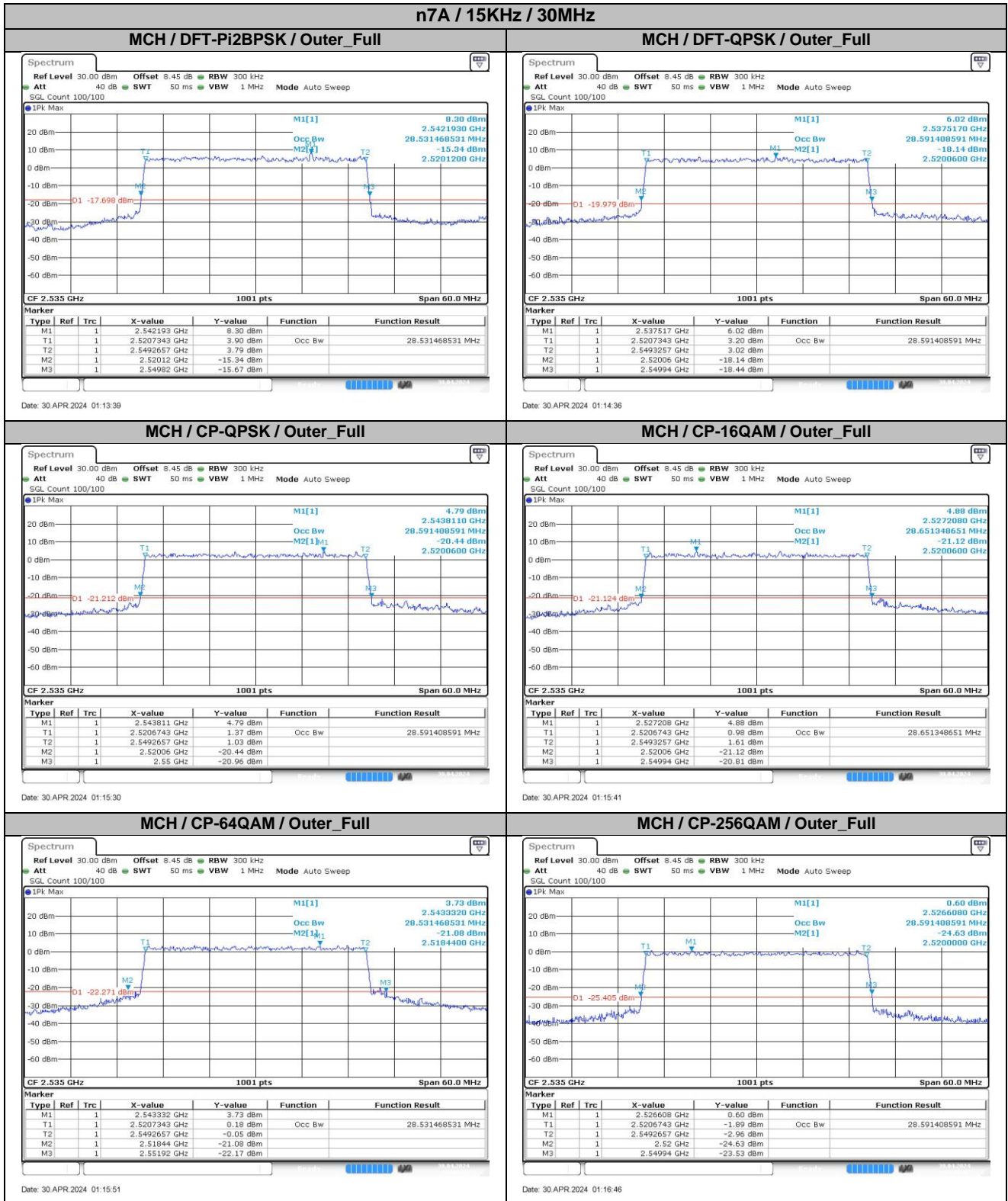


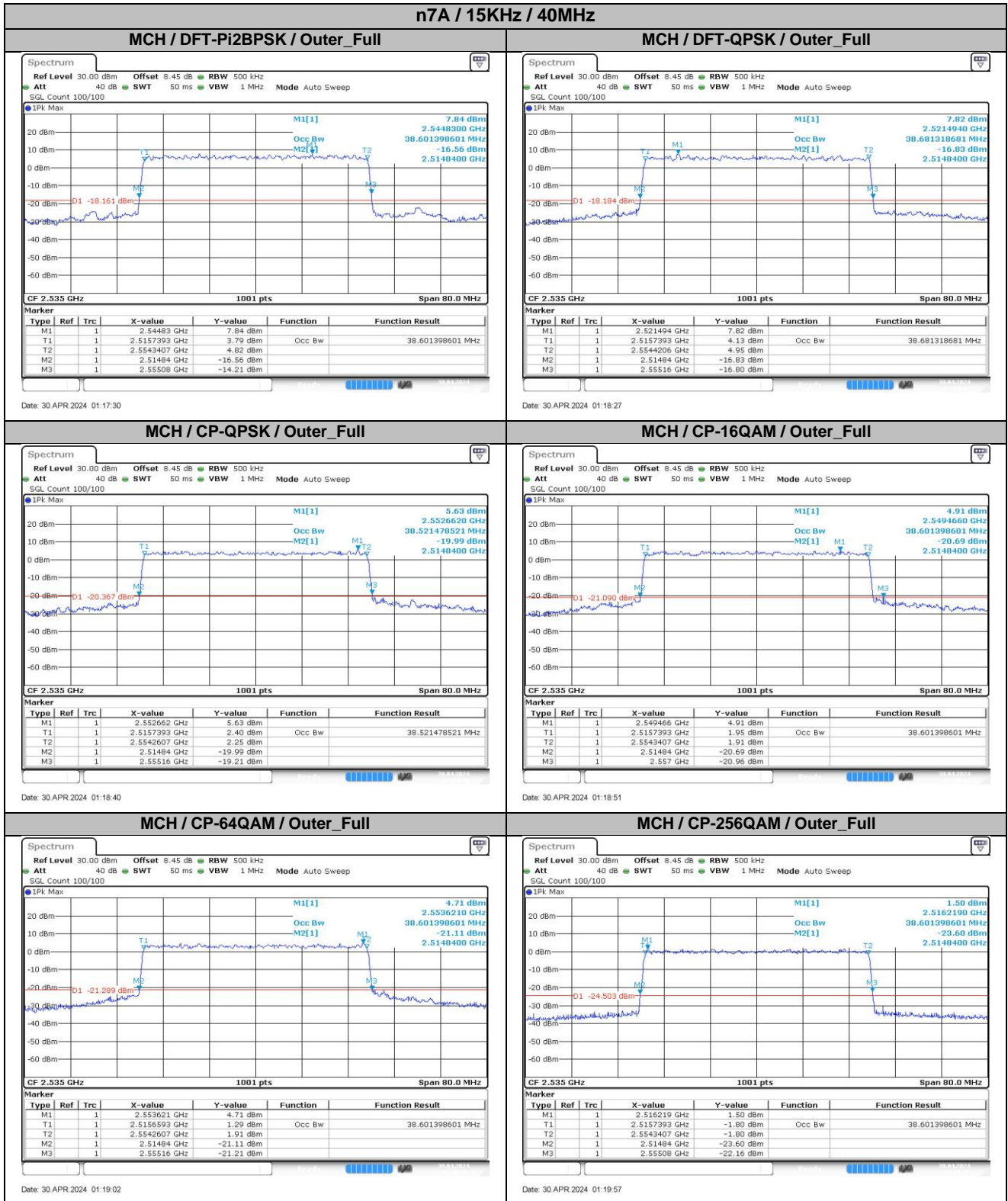






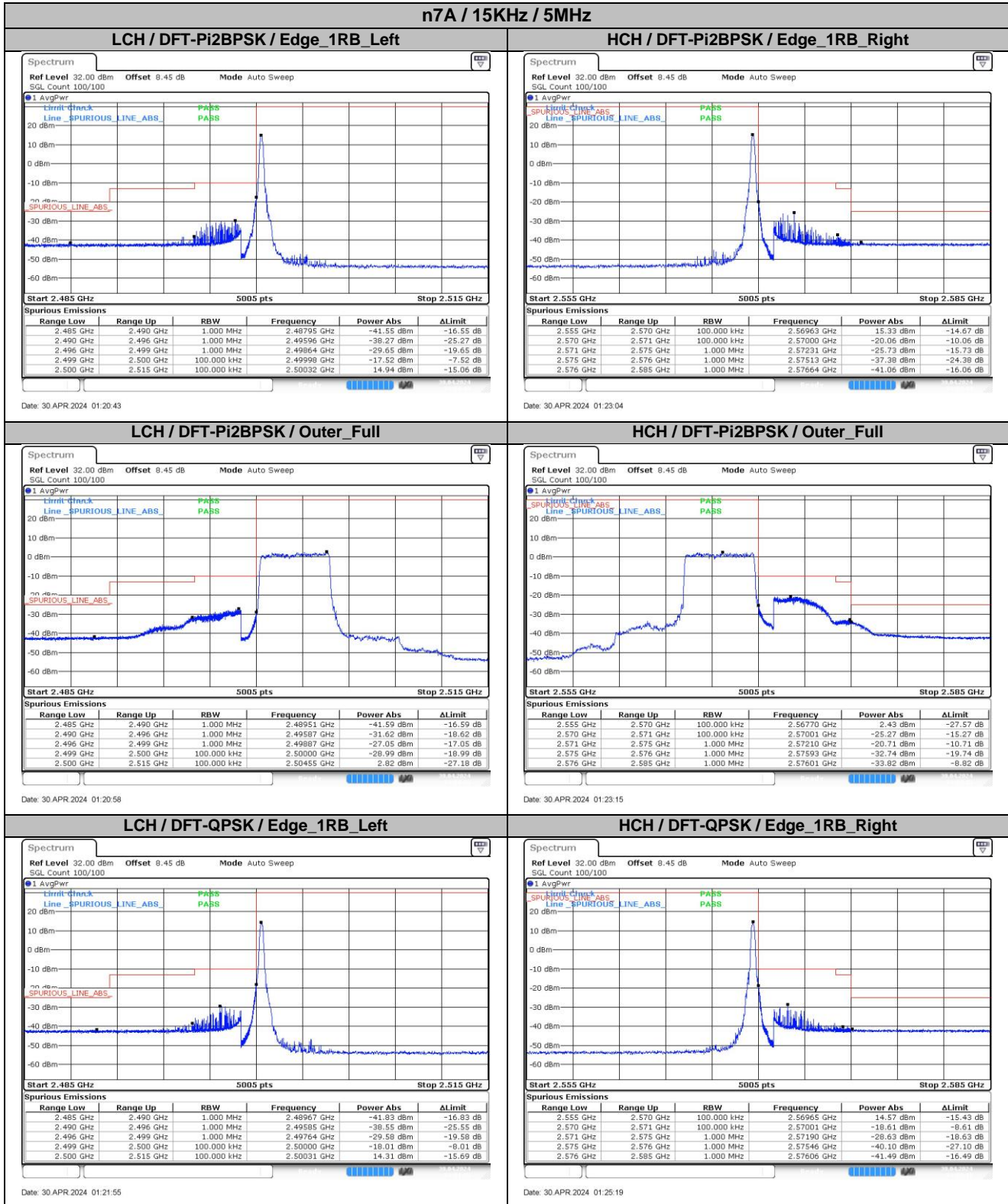


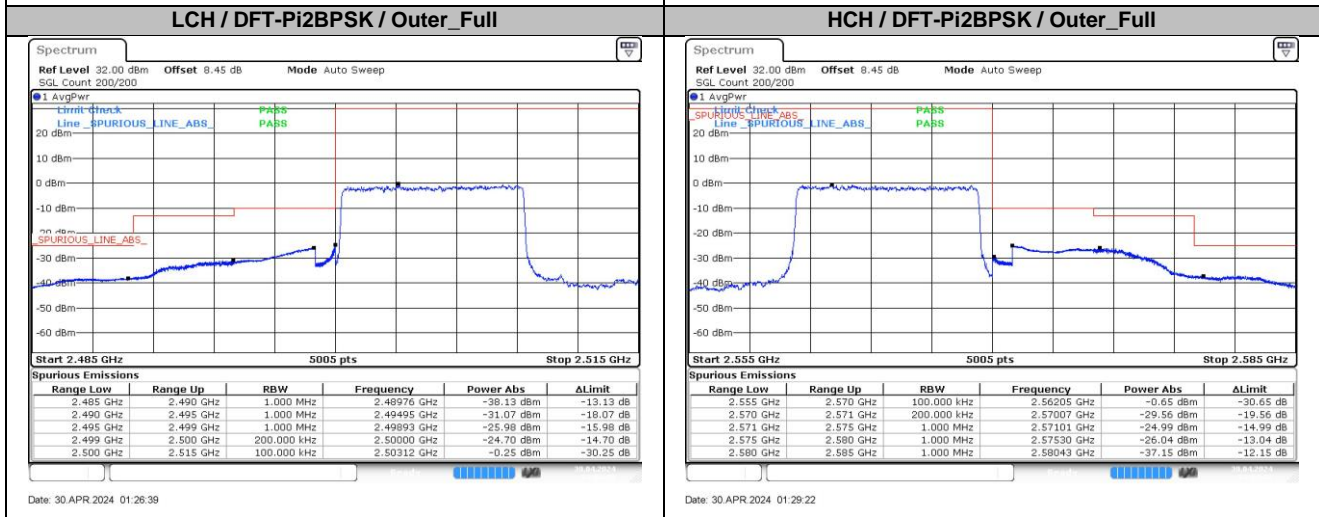
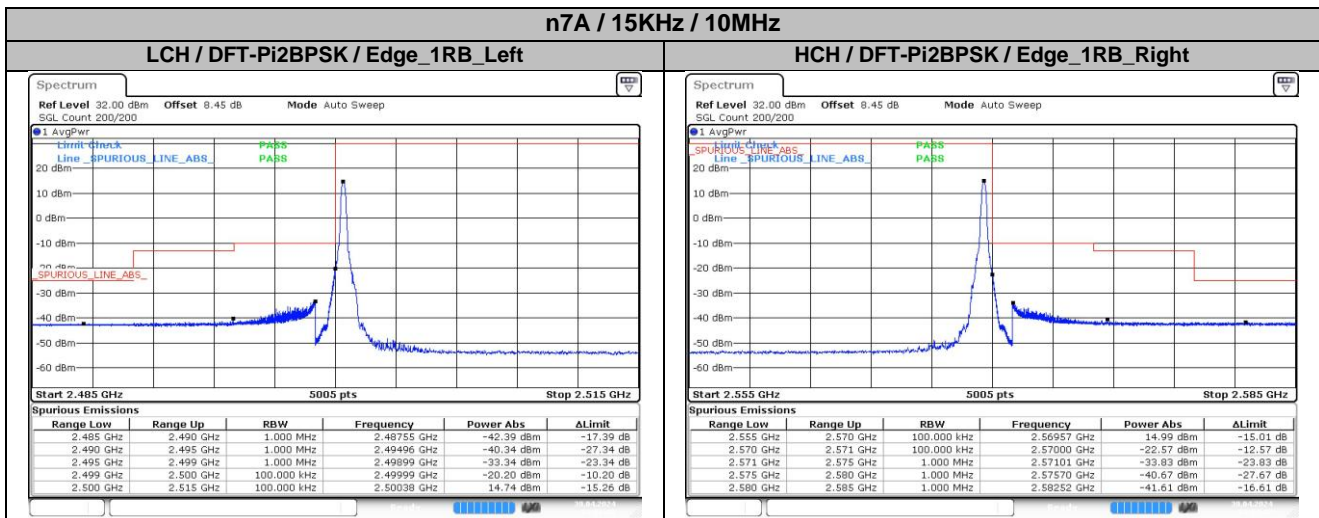
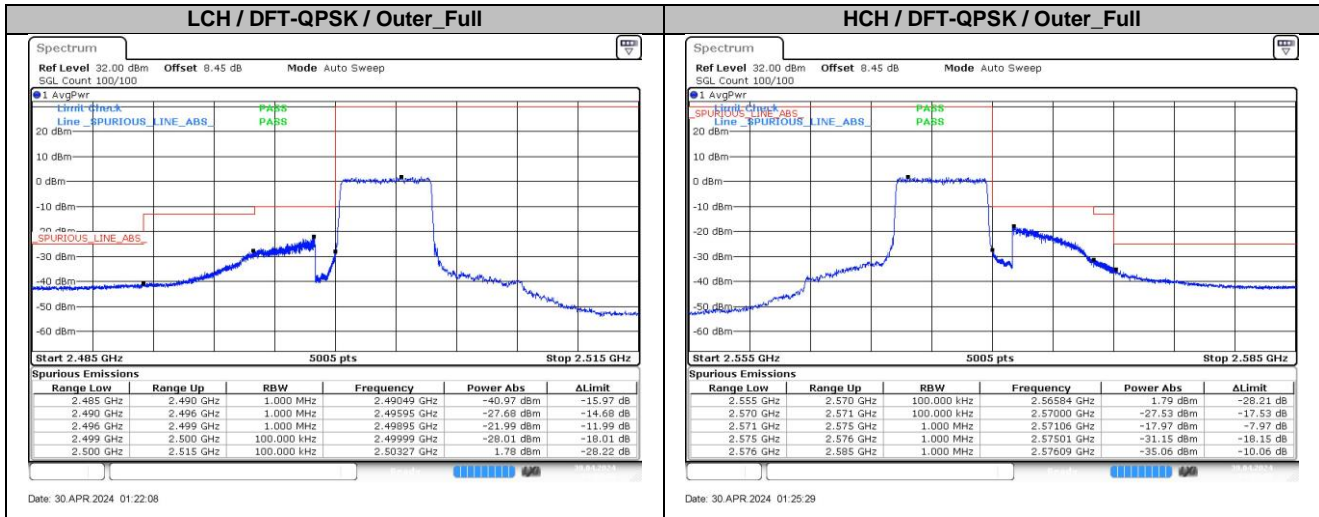


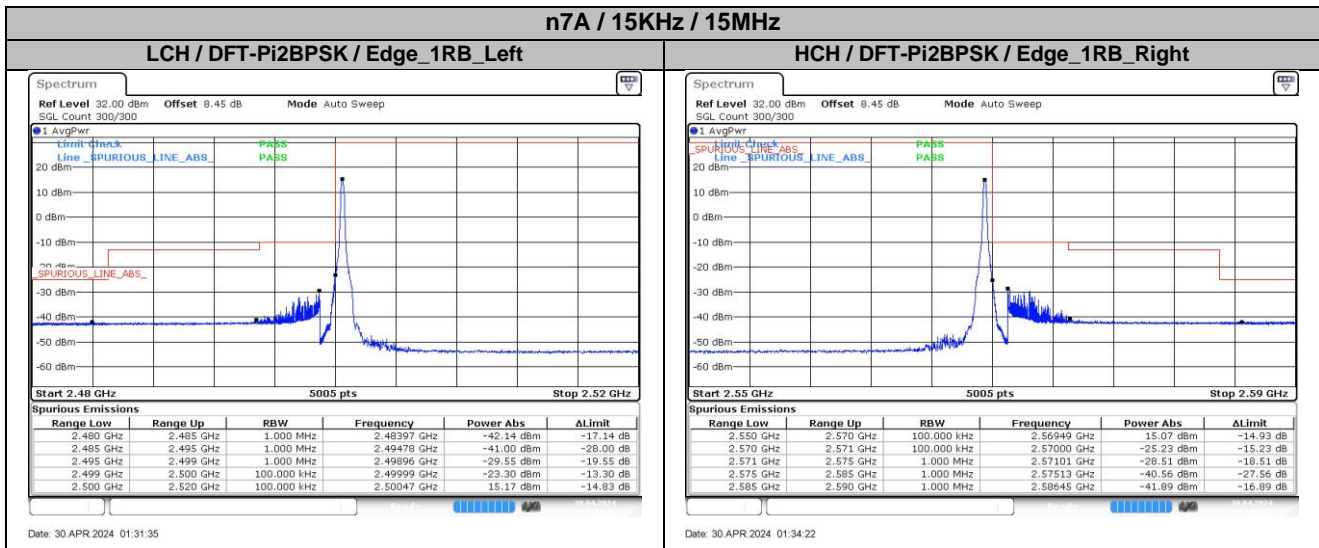
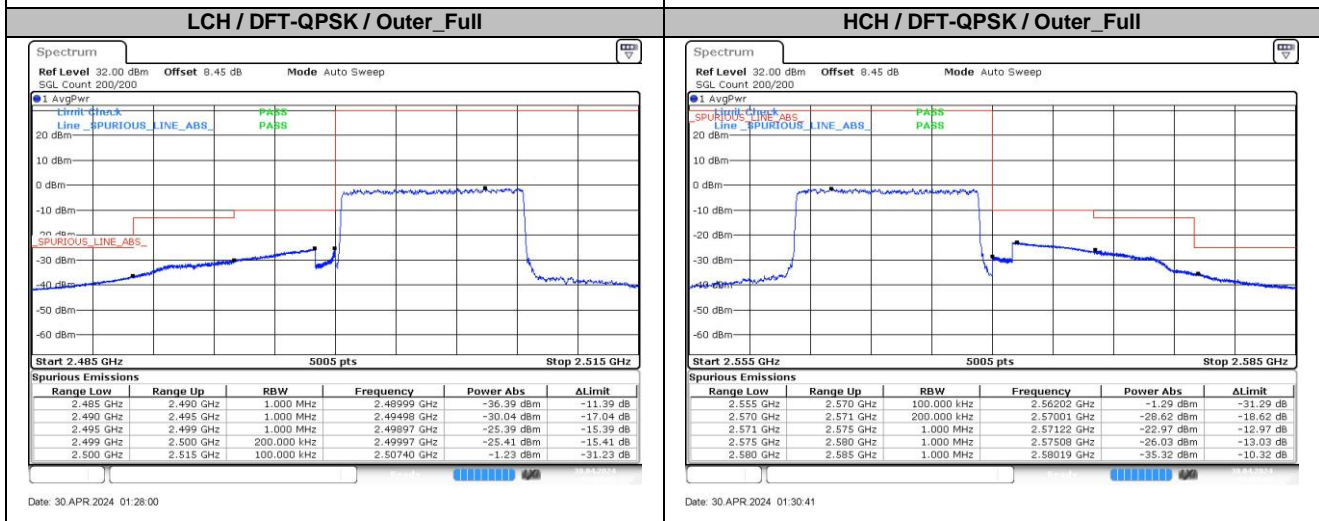
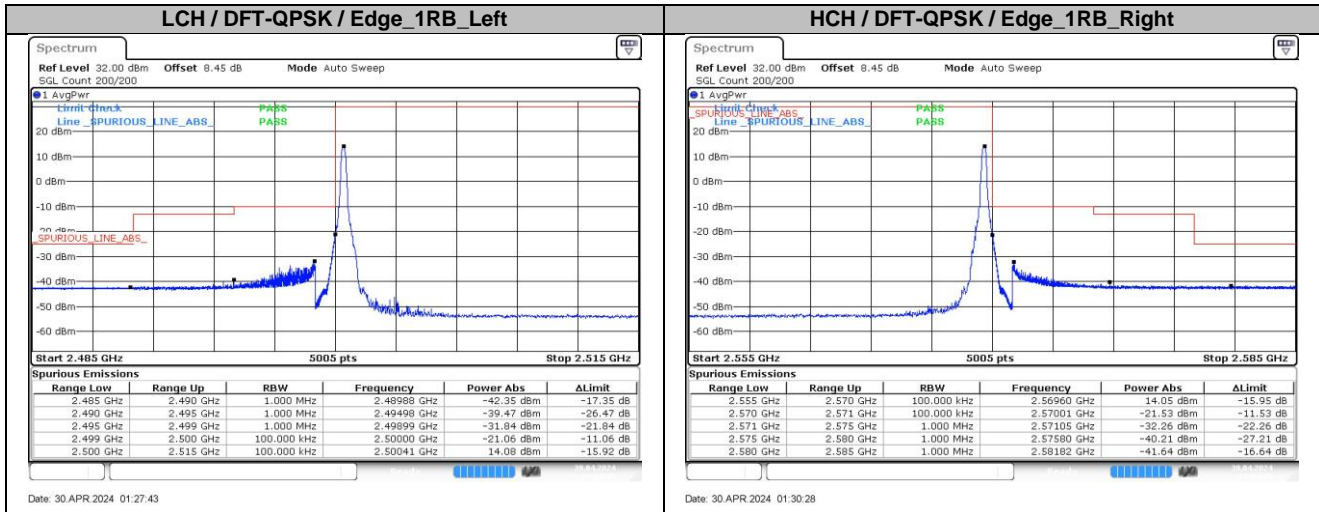


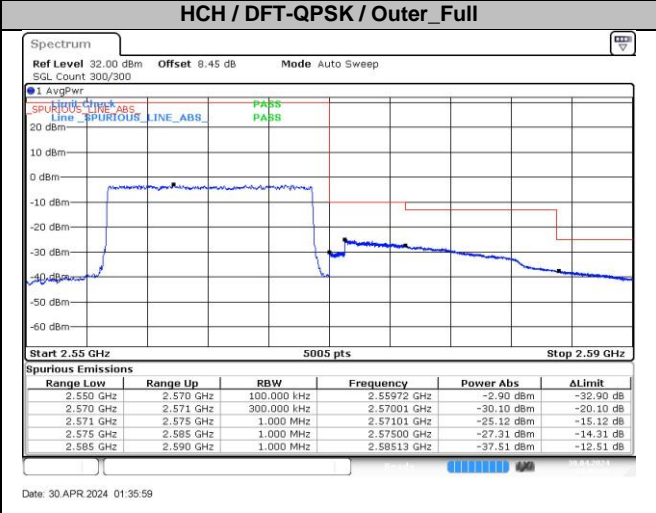
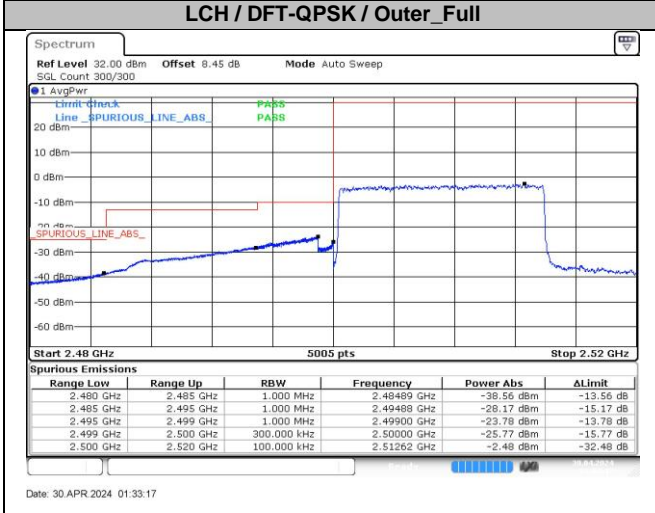
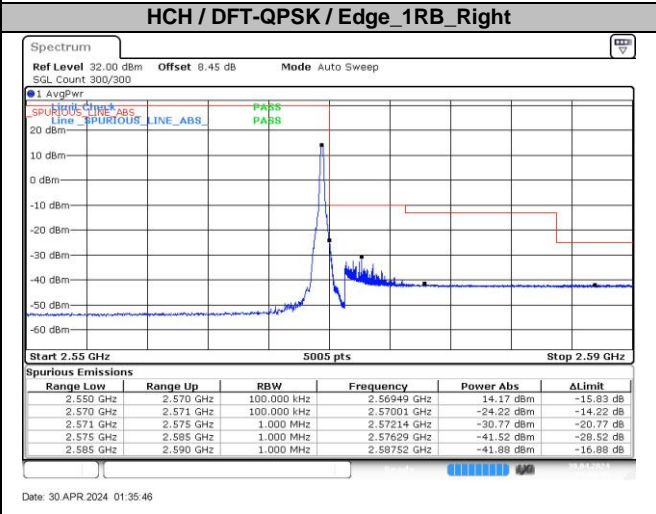
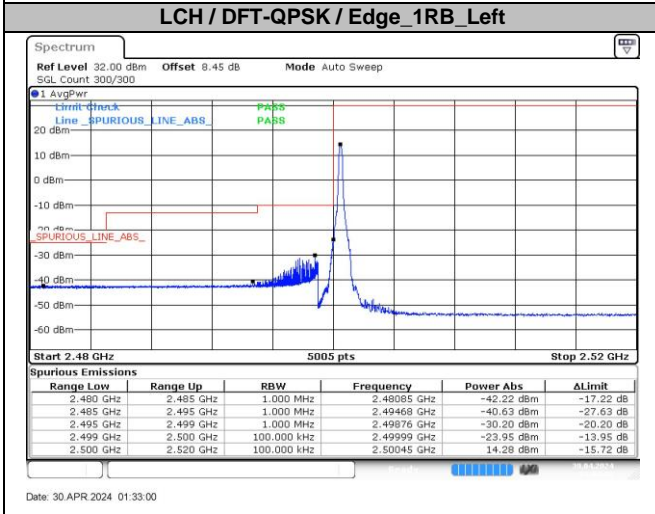
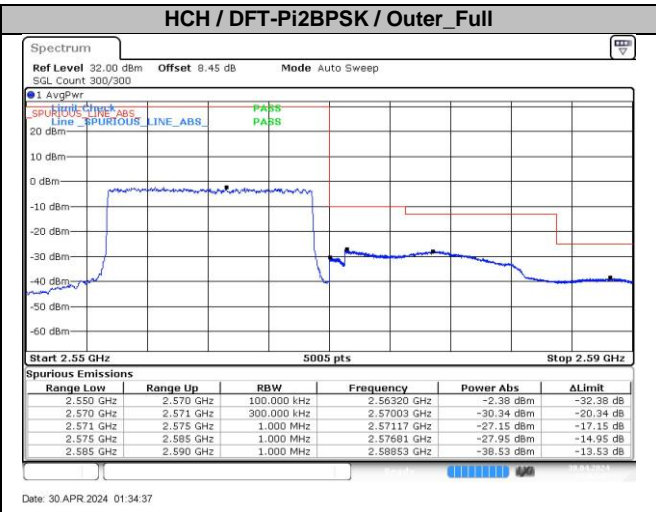
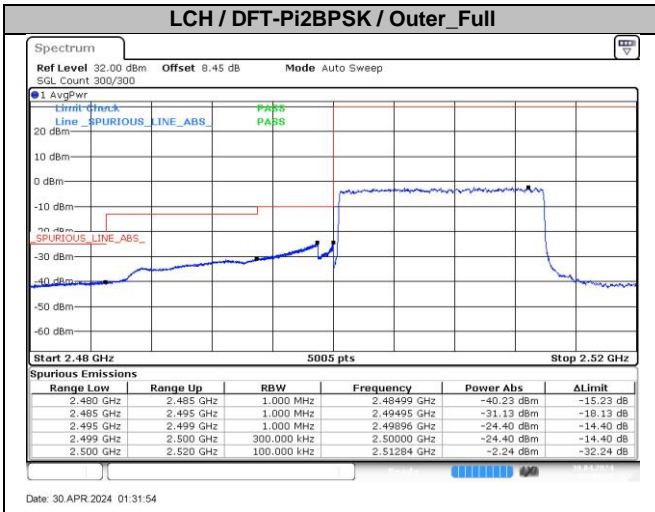
5. Conducted Band Edges

5.1. Test Plots



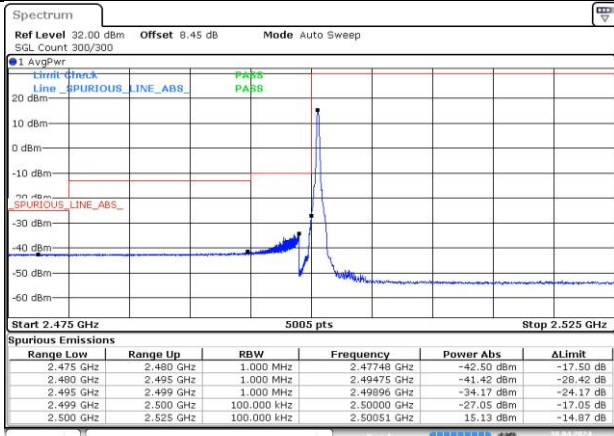






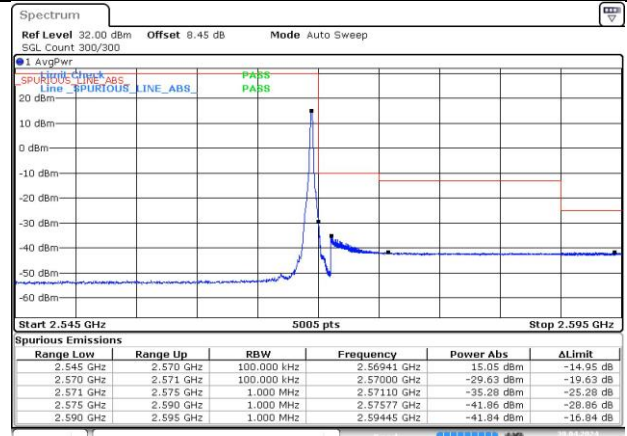
n7A / 15KHz / 20MHz

LCH / DFT-Pi2BPSK / Edge_1RB_Left



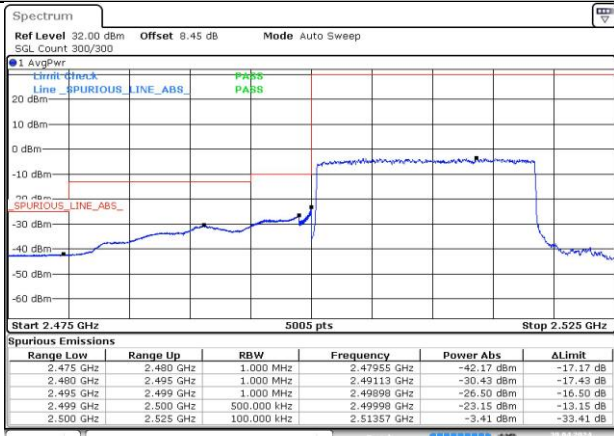
Date: 30 APR 2024 01:36:57

HCH / DFT-Pi2BPSK / Edge_1RB_Right



Date: 30 APR 2024 01:39:28

LCH / DFT-Pi2BPSK / Outer_Full



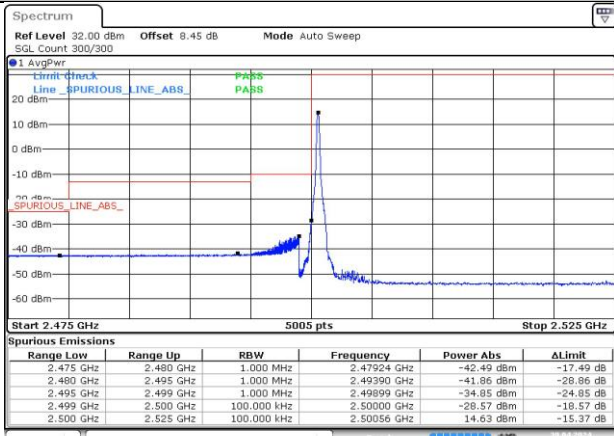
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HCH / DFT-Pi2BPSK / Outer_Full



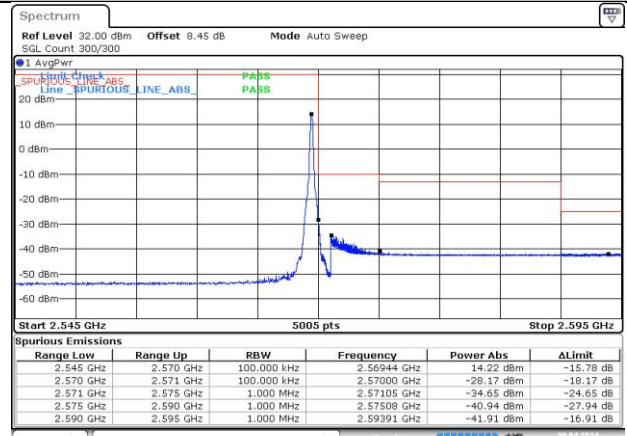
Date: 30 APR 2024 01:39:46

LCH / DFT-QPSK / Edge_1RB_Left



Date: 30 APR 2024 01:37:54

HCH / DFT-QPSK / Edge_1RB_Right



Date: 30 APR 2024 01:41:10