

**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	23.47	23.51	23.32	19.01	33.00	Pass
15KHz	5MHz	LCH	DFT-QPSK	23.32	23.39	23.39	18.89	33.00	Pass
15KHz	5MHz	LCH	DFT-16QAM	22.79	22.86	22.47	18.36	33.00	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.38	20.39	20.86	16.36	33.00	Pass
15KHz	5MHz	LCH	DFT-256QAM	18.62	18.75	18.82	14.32	33.00	Pass
15KHz	5MHz	LCH	CP-QPSK	22.19	22.36	21.79	17.86	33.00	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	23.29	23.38	23.42	18.92	33.00	Pass
15KHz	5MHz	MCH	DFT-QPSK	23.27	23.33	23.41	18.91	33.00	Pass
15KHz	5MHz	MCH	DFT-16QAM	22.69	22.76	22.63	18.26	33.00	Pass
15KHz	5MHz	MCH	DFT-64QAM	21.36	21.37	20.98	16.87	33.00	Pass
15KHz	5MHz	MCH	DFT-256QAM	19.33	19.37	18.85	14.87	33.00	Pass
15KHz	5MHz	MCH	CP-QPSK	22.12	22.14	21.93	17.64	33.00	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	23.26	23.25	23.29	18.79	33.00	Pass
15KHz	5MHz	HCH	DFT-QPSK	23.26	23.16	23.34	18.84	33.00	Pass
15KHz	5MHz	HCH	DFT-16QAM	22.46	22.50	22.47	18.00	33.00	Pass
15KHz	5MHz	HCH	DFT-64QAM	21.29	21.35	20.89	16.85	33.00	Pass
15KHz	5MHz	HCH	DFT-256QAM	19.10	19.12	18.94	14.62	33.00	Pass
15KHz	5MHz	HCH	CP-QPSK	22.21	22.32	21.99	17.82	33.00	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	23.32	23.34	23.38	18.88	33.00	Pass
15KHz	10MHz	LCH	DFT-QPSK	23.50	23.53	23.35	19.03	33.00	Pass
15KHz	10MHz	LCH	DFT-16QAM	22.52	22.50	22.52	18.02	33.00	Pass
15KHz	10MHz	LCH	DFT-64QAM	21.06	21.11	21.11	16.61	33.00	Pass
15KHz	10MHz	LCH	DFT-256QAM	18.96	18.95	18.94	14.46	33.00	Pass
15KHz	10MHz	LCH	CP-QPSK	22.08	22.06	22.03	17.58	33.00	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	23.69	23.74	23.40	19.24	33.00	Pass
15KHz	10MHz	MCH	DFT-QPSK	23.67	23.65	23.44	19.17	33.00	Pass
15KHz	10MHz	MCH	DFT-16QAM	22.69	22.74	22.57	18.24	33.00	Pass
15KHz	10MHz	MCH	DFT-64QAM	21.26	21.34	20.93	16.84	33.00	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.59	18.63	18.90	14.40	33.00	Pass
15KHz	10MHz	MCH	CP-QPSK	21.60	21.46	22.08	17.58	33.00	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	23.38	23.36	23.35	18.88	33.00	Pass
15KHz	10MHz	HCH	DFT-QPSK	23.76	23.58	23.38	19.26	33.00	Pass
15KHz	10MHz	HCH	DFT-16QAM	22.72	22.71	22.53	18.22	33.00	Pass
15KHz	10MHz	HCH	DFT-64QAM	21.23	21.15	20.98	16.73	33.00	Pass
15KHz	10MHz	HCH	DFT-256QAM	19.07	19.02	18.95	14.57	33.00	Pass
15KHz	10MHz	HCH	CP-QPSK	21.78	21.77	22.01	17.51	33.00	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	23.48	23.47	23.32	18.98	33.00	Pass
15KHz	15MHz	LCH	DFT-QPSK	22.89	22.90	23.33	18.83	33.00	Pass
15KHz	15MHz	LCH	DFT-16QAM	22.58	22.63	22.31	18.13	33.00	Pass
15KHz	15MHz	LCH	DFT-64QAM	20.74	20.76	21.00	16.50	33.00	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.76	18.80	18.87	14.37	33.00	Pass
15KHz	15MHz	LCH	CP-QPSK	21.78	22.05	22.13	17.63	33.00	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	23.51	23.48	23.41	19.01	33.00	Pass
15KHz	15MHz	MCH	DFT-QPSK	23.57	23.57	23.44	19.07	33.00	Pass
15KHz	15MHz	MCH	DFT-16QAM	22.73	22.79	22.36	18.29	33.00	Pass
15KHz	15MHz	MCH	DFT-64QAM	21.44	21.42	20.94	16.94	33.00	Pass
15KHz	15MHz	MCH	DFT-256QAM	19.47	19.48	18.84	14.98	33.00	Pass
15KHz	15MHz	MCH	CP-QPSK	21.76	21.86	21.98	17.48	33.00	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	23.14	23.12	23.31	18.81	33.00	Pass
15KHz	15MHz	HCH	DFT-QPSK	23.13	23.11	23.39	18.89	33.00	Pass
15KHz	15MHz	HCH	DFT-16QAM	22.59	22.64	22.46	18.14	33.00	Pass
15KHz	15MHz	HCH	DFT-64QAM	21.42	21.50	20.96	17.00	33.00	Pass
15KHz	15MHz	HCH	DFT-256QAM	19.21	19.28	19.06	14.78	33.00	Pass
15KHz	15MHz	HCH	CP-QPSK	22.00	21.84	21.98	17.50	33.00	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	23.31	23.32	23.35	18.85	33.00	Pass
15KHz	20MHz	LCH	DFT-QPSK	23.51	23.55	23.34	19.05	33.00	Pass
15KHz	20MHz	LCH	DFT-16QAM	22.49	22.48	22.51	18.01	33.00	Pass
15KHz	20MHz	LCH	DFT-64QAM	21.21	21.21	21.01	16.71	33.00	Pass

15KHz	20MHz	LCH	DFT-256QAM	18.97	19.01	18.88	14.51	33.00	Pass
15KHz	20MHz	LCH	CP-QPSK	21.97	21.89	21.92	17.47	33.00	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	23.37	23.35	23.40	18.90	33.00	Pass
15KHz	20MHz	MCH	DFT-QPSK	23.12	23.11	23.36	18.86	33.00	Pass
15KHz	20MHz	MCH	DFT-16QAM	22.89	22.92	22.44	18.42	33.00	Pass
15KHz	20MHz	MCH	DFT-64QAM	21.13	21.48	21.02	16.98	33.00	Pass
15KHz	20MHz	MCH	DFT-256QAM	19.39	19.38	18.89	14.89	33.00	Pass
15KHz	20MHz	MCH	CP-QPSK	21.87	21.82	22.03	17.53	33.00	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	23.15	23.08	23.38	18.88	33.00	Pass
15KHz	20MHz	HCH	DFT-QPSK	23.30	23.22	23.31	18.81	33.00	Pass
15KHz	20MHz	HCH	DFT-16QAM	22.81	22.72	22.47	18.31	33.00	Pass
15KHz	20MHz	HCH	DFT-64QAM	20.72	20.65	20.88	16.38	33.00	Pass
15KHz	20MHz	HCH	DFT-256QAM	19.24	19.26	18.98	14.76	33.00	Pass
15KHz	20MHz	HCH	CP-QPSK	22.00	21.97	21.96	17.50	33.00	Pass
15KHz	25MHz	LCH	DFT-Pi2BPSK	23.72	23.61	23.55	19.22	33.00	Pass
15KHz	25MHz	LCH	DFT-QPSK	23.80	23.70	23.49	19.30	33.00	Pass
15KHz	25MHz	LCH	DFT-16QAM	22.85	22.79	22.55	18.35	33.00	Pass
15KHz	25MHz	LCH	DFT-64QAM	20.98	20.93	21.06	16.56	33.00	Pass
15KHz	25MHz	LCH	DFT-256QAM	19.40	19.24	19.17	14.90	33.00	Pass
15KHz	25MHz	LCH	CP-QPSK	22.06	22.11	22.25	17.75	33.00	Pass
15KHz	25MHz	MCH	DFT-Pi2BPSK	23.56	23.55	23.39	19.06	33.00	Pass
15KHz	25MHz	MCH	DFT-QPSK	23.67	23.63	23.42	19.17	33.00	Pass
15KHz	25MHz	MCH	DFT-16QAM	22.75	22.68	22.50	18.25	33.00	Pass
15KHz	25MHz	MCH	DFT-64QAM	21.44	21.37	20.97	16.94	33.00	Pass
15KHz	25MHz	MCH	DFT-256QAM	19.35	19.46	18.97	14.96	33.00	Pass
15KHz	25MHz	MCH	CP-QPSK	22.11	22.10	21.98	17.61	33.00	Pass
15KHz	25MHz	HCH	DFT-Pi2BPSK	23.46	23.48	23.50	19.00	33.00	Pass
15KHz	25MHz	HCH	DFT-QPSK	23.55	22.98	23.51	19.05	33.00	Pass
15KHz	25MHz	HCH	DFT-16QAM	22.98	22.55	22.65	18.48	33.00	Pass
15KHz	25MHz	HCH	DFT-64QAM	21.22	21.44	21.13	16.94	33.00	Pass
15KHz	25MHz	HCH	DFT-256QAM	19.36	19.16	19.06	14.86	33.00	Pass
15KHz	25MHz	HCH	CP-QPSK	22.16	21.81	22.19	17.69	33.00	Pass
15KHz	30MHz	LCH	DFT-Pi2BPSK	23.65	23.61	23.47	19.15	33.00	Pass
15KHz	30MHz	LCH	DFT-QPSK	23.81	23.61	23.48	19.31	33.00	Pass
15KHz	30MHz	LCH	DFT-16QAM	22.76	22.57	22.64	18.26	33.00	Pass
15KHz	30MHz	LCH	DFT-64QAM	21.40	21.18	21.08	16.90	33.00	Pass
15KHz	30MHz	LCH	DFT-256QAM	19.18	19.13	19.00	14.68	33.00	Pass
15KHz	30MHz	LCH	CP-QPSK	22.25	22.02	22.20	17.75	33.00	Pass
15KHz	30MHz	MCH	DFT-Pi2BPSK	23.59	23.59	23.45	19.09	33.00	Pass
15KHz	30MHz	MCH	DFT-QPSK	23.55	23.53	23.47	19.05	33.00	Pass
15KHz	30MHz	MCH	DFT-16QAM	22.89	22.76	22.58	18.39	33.00	Pass
15KHz	30MHz	MCH	DFT-64QAM	21.37	21.27	21.13	16.87	33.00	Pass
15KHz	30MHz	MCH	DFT-256QAM	19.47	19.39	18.98	14.97	33.00	Pass
15KHz	30MHz	MCH	CP-QPSK	22.17	22.13	22.09	17.67	33.00	Pass
15KHz	30MHz	HCH	DFT-Pi2BPSK	23.48	23.34	23.58	19.08	33.00	Pass
15KHz	30MHz	HCH	DFT-QPSK	23.57	23.01	23.57	19.07	33.00	Pass
15KHz	30MHz	HCH	DFT-16QAM	22.86	22.44	22.66	18.36	33.00	Pass
15KHz	30MHz	HCH	DFT-64QAM	21.14	20.97	21.18	16.68	33.00	Pass
15KHz	30MHz	HCH	DFT-256QAM	19.45	19.35	19.13	14.95	33.00	Pass
15KHz	30MHz	HCH	CP-QPSK	22.18	21.95	22.17	17.68	33.00	Pass
15KHz	40MHz	LCH	DFT-Pi2BPSK	23.75	23.56	23.54	19.25	33.00	Pass
15KHz	40MHz	LCH	DFT-QPSK	23.81	23.48	23.60	19.31	33.00	Pass
15KHz	40MHz	LCH	DFT-16QAM	22.82	22.72	22.68	18.32	33.00	Pass
15KHz	40MHz	LCH	DFT-64QAM	20.99	20.81	21.19	16.69	33.00	Pass
15KHz	40MHz	LCH	DFT-256QAM	19.38	19.23	19.15	14.88	33.00	Pass
15KHz	40MHz	LCH	CP-QPSK	22.17	21.94	22.17	17.67	33.00	Pass
15KHz	40MHz	MCH	DFT-Pi2BPSK	23.57	23.60	23.47	19.10	33.00	Pass
15KHz	40MHz	MCH	DFT-QPSK	23.64	23.56	23.54	19.14	33.00	Pass
15KHz	40MHz	MCH	DFT-16QAM	22.71	22.74	22.65	18.24	33.00	Pass
15KHz	40MHz	MCH	DFT-64QAM	21.40	21.48	21.10	16.98	33.00	Pass
15KHz	40MHz	MCH	DFT-256QAM	19.45	19.47	19.04	14.97	33.00	Pass
15KHz	40MHz	MCH	CP-QPSK	22.15	22.15	22.09	17.65	33.00	Pass

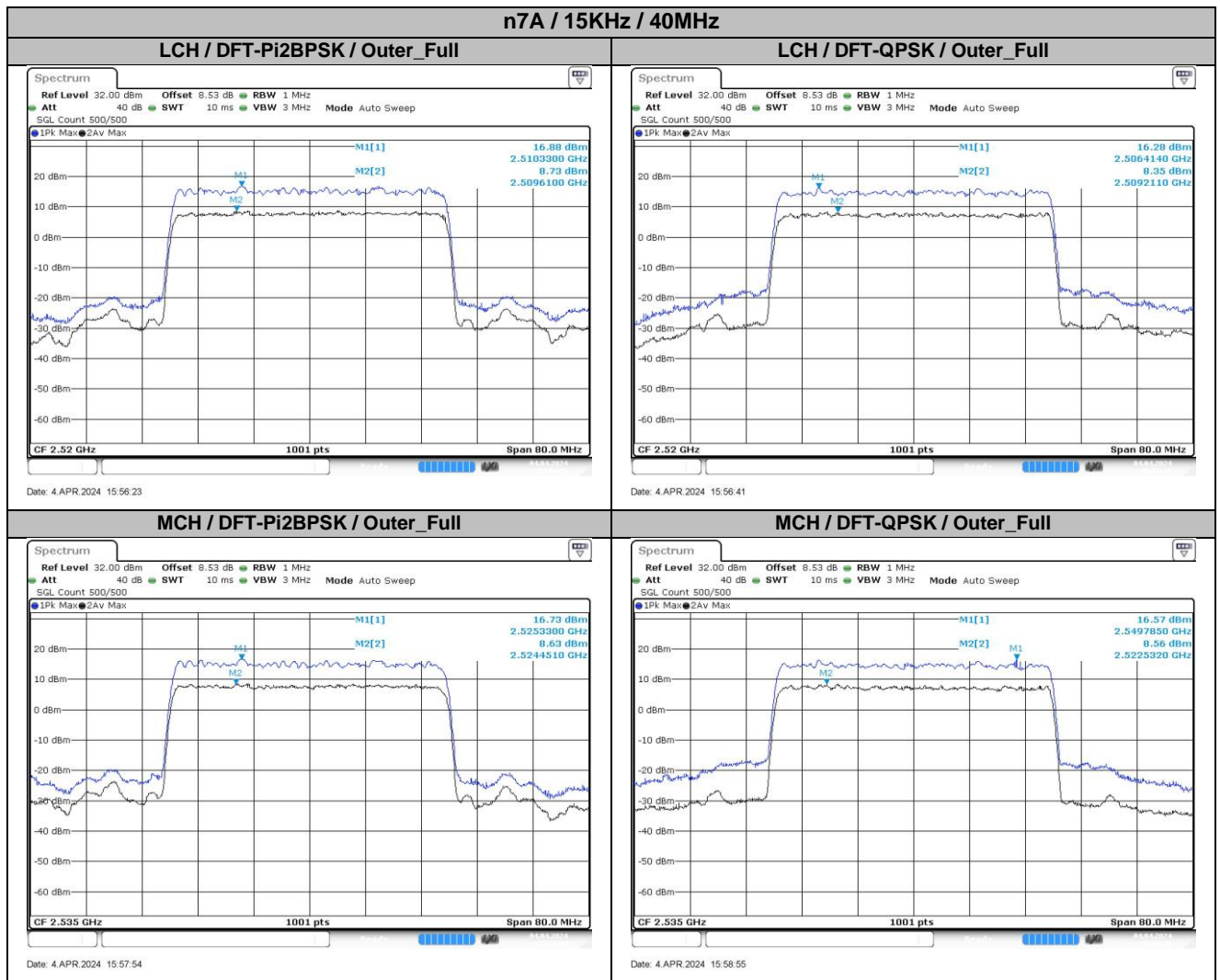
15KHz	40MHz	HCH	DFT-Pi2BPSK	23.63	23.45	23.51	19.13	33.00	Pass
15KHz	40MHz	HCH	DFT-QPSK	23.48	23.01	23.59	19.09	33.00	Pass
15KHz	40MHz	HCH	DFT-16QAM	22.91	22.59	22.66	18.41	33.00	Pass
15KHz	40MHz	HCH	DFT-64QAM	21.47	21.46	21.09	16.97	33.00	Pass
15KHz	40MHz	HCH	DFT-256QAM	19.41	19.36	19.13	14.91	33.00	Pass
15KHz	40MHz	HCH	CP-QPSK	22.27	21.87	22.13	17.77	33.00	Pass

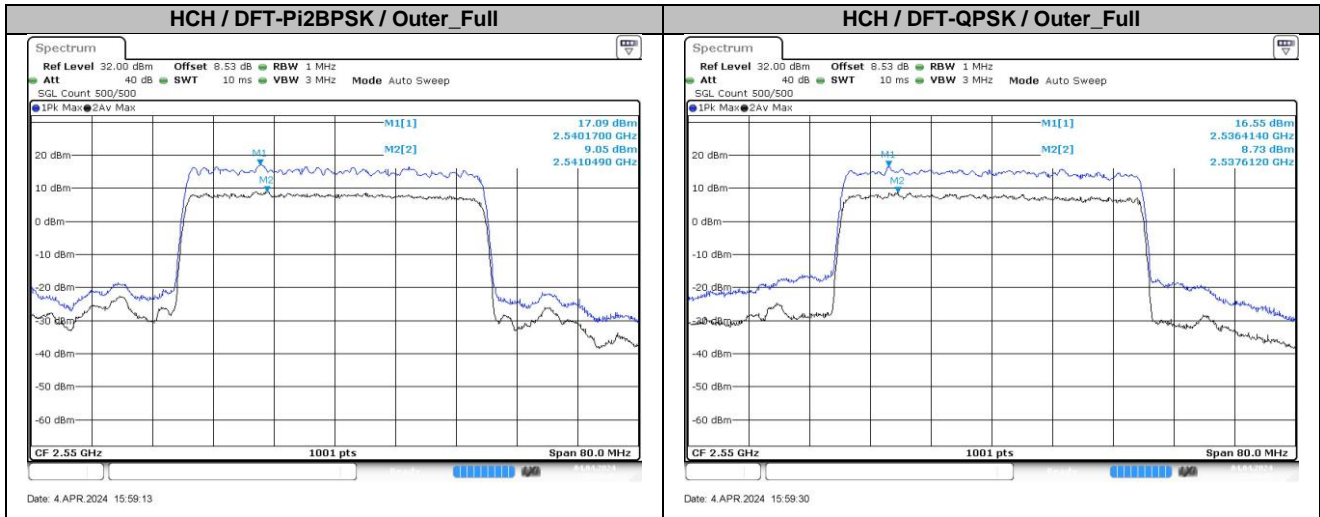
2. Peak-to-Average Ratio

2.1. Test Results

SCS	Bandwidth	Channel	Modulation	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	40MHz	LCH	Outer_Full	8.16	7.93	13.00	Pass
15KHz	40MHz	MCH	Outer_Full	8.10	8.02	13.00	Pass
15KHz	40MHz	HCH	Outer_Full	8.04	7.83	13.00	Pass

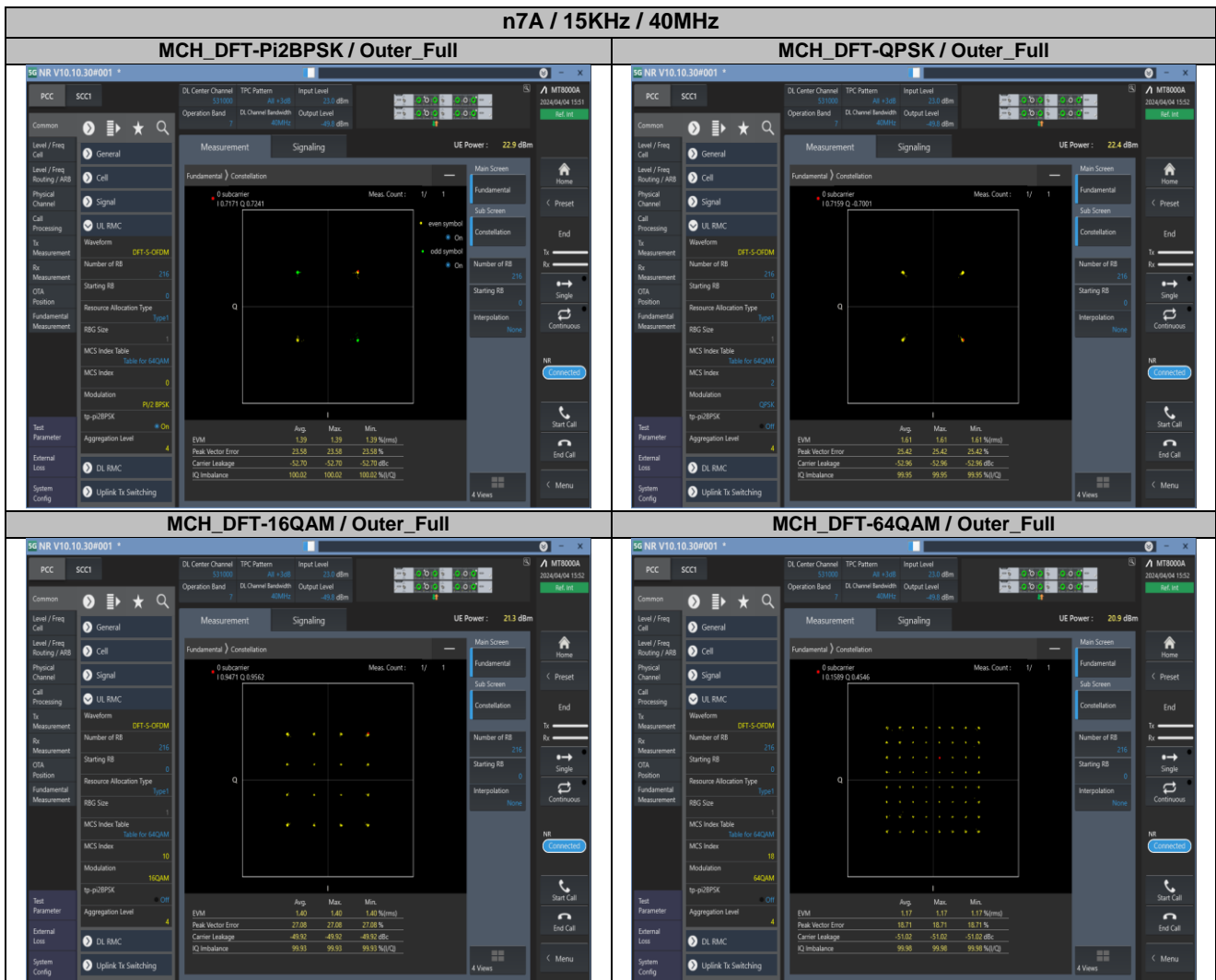
2.2. Test Plots

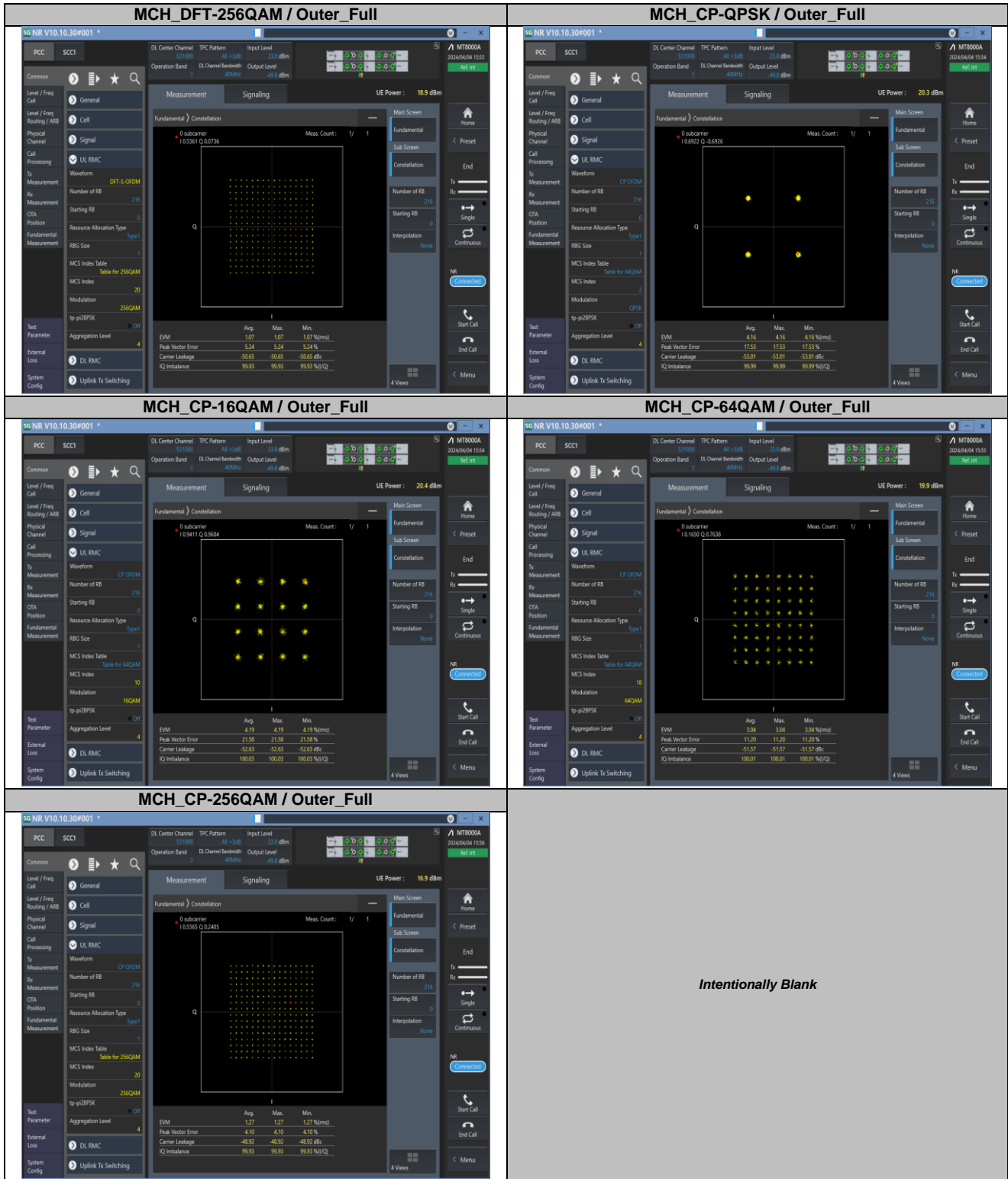




3. Modulation Characteristics

3.1. Test Plots



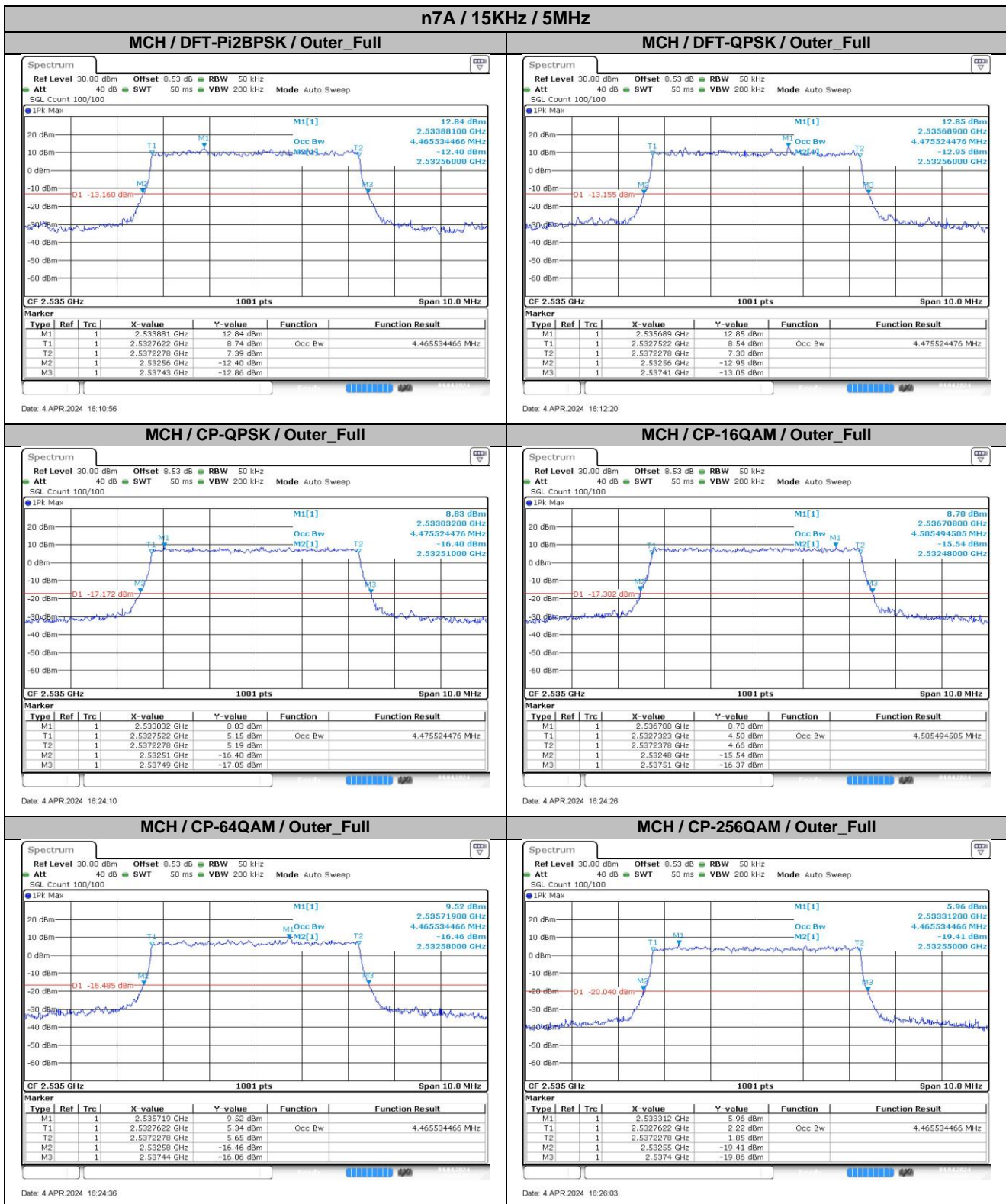


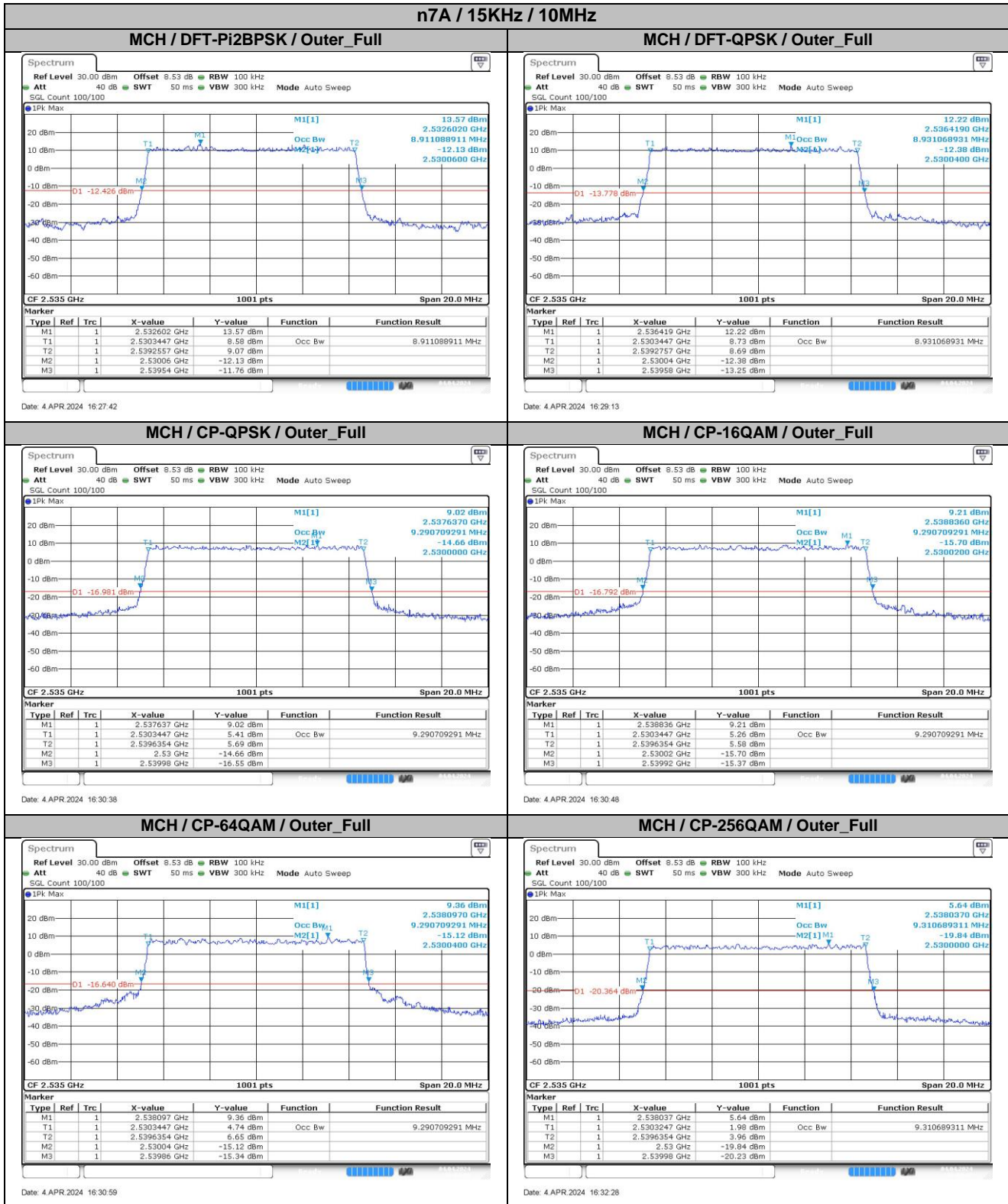
4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

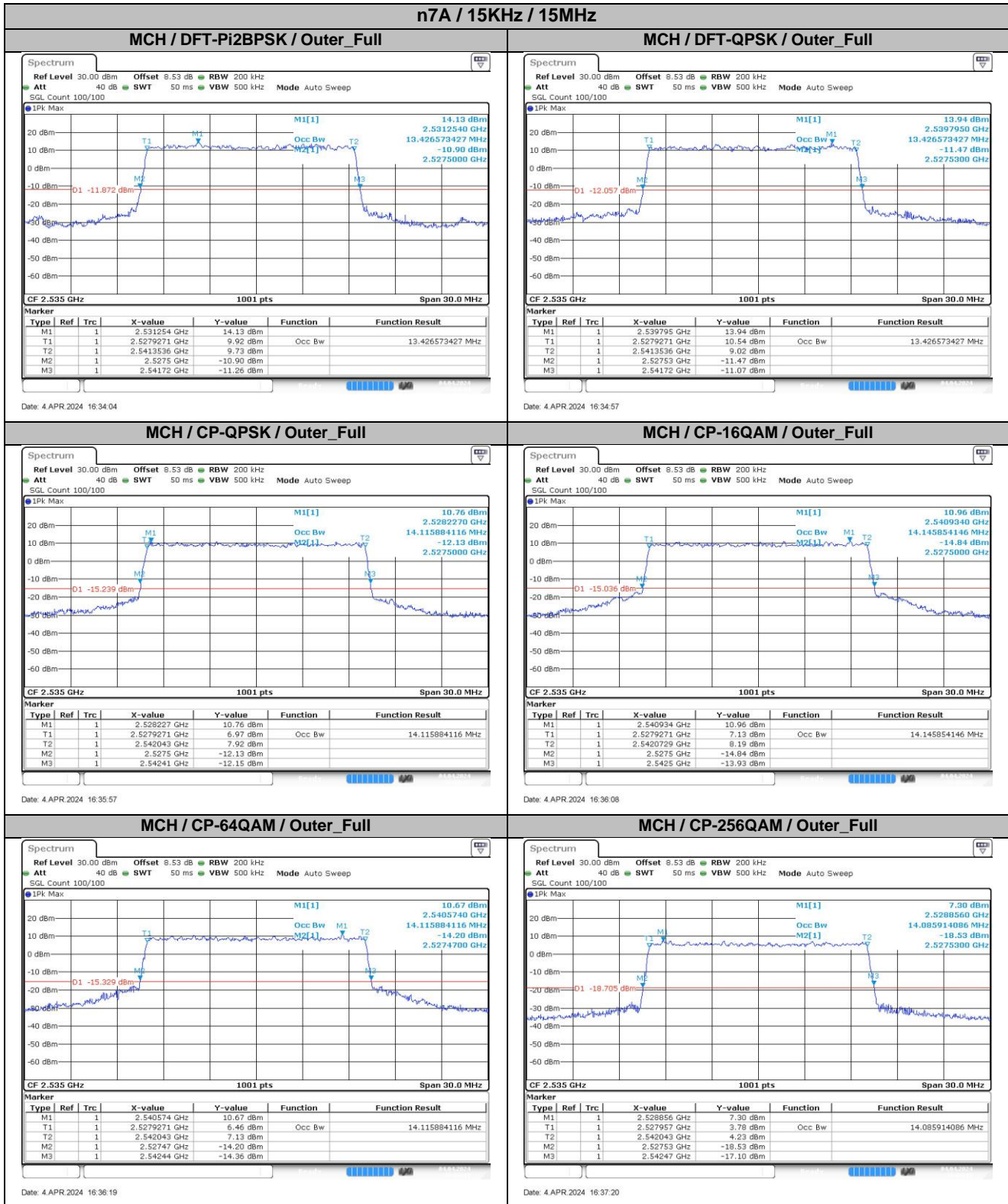
4.1. Test Results

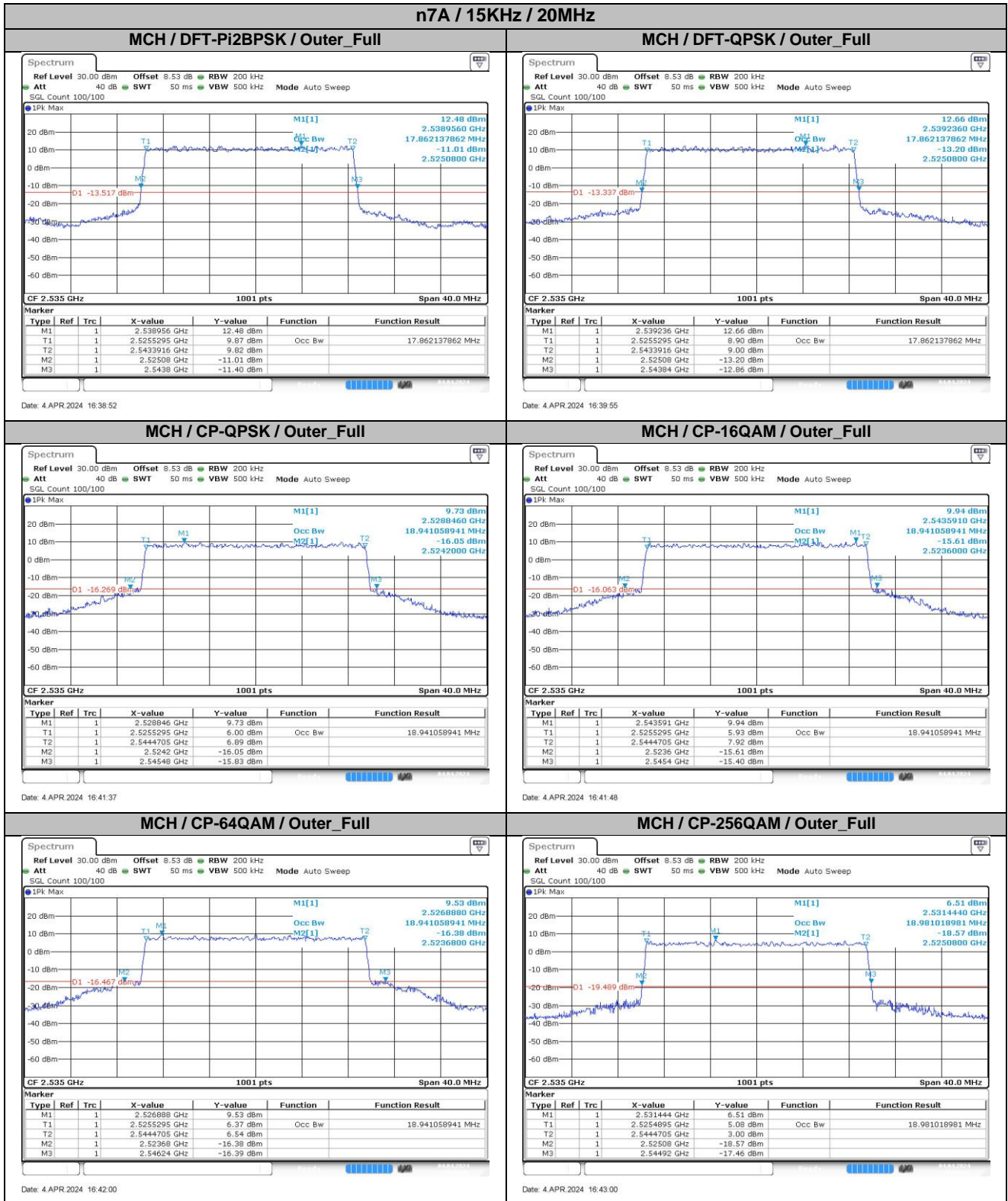
SCS	Bandwidth	Modulation	RB Config	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.47	4.87	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.48	4.85	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.48	4.98	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.51	5.03	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.47	4.86	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.47	4.85	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.91	9.48	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.93	9.54	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.29	9.98	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.29	9.90	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.29	9.82	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.31	9.98	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.43	14.22	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.43	14.19	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.12	14.91	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.15	15.00	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.12	14.97	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.09	14.94	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.86	18.72	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.86	18.76	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.94	21.28	Pass
15KHz	20MHz	CP-16QAM	Outer_Full	18.94	21.80	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	18.94	22.56	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	23.73	24.80	Pass
15KHz	25MHz	CP-16QAM	Outer_Full	23.73	24.85	Pass
15KHz	25MHz	CP-64QAM	Outer_Full	23.73	24.85	Pass
15KHz	25MHz	CP-256QAM	Outer_Full	23.73	24.75	Pass
15KHz	30MHz	DFT-Pi2BPSK	Outer_Full	28.59	29.58	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	28.59	29.64	Pass
15KHz	30MHz	CP-64QAM	Outer_Full	28.53	32.40	Pass
15KHz	30MHz	CP-256QAM	Outer_Full	28.59	29.76	Pass
15KHz	40MHz	DFT-Pi2BPSK	Outer_Full	38.52	40.08	Pass
15KHz	40MHz	DFT-QPSK	Outer_Full	38.68	40.16	Pass
15KHz	40MHz	CP-QPSK	Outer_Full	38.52	40.08	Pass
15KHz	40MHz	CP-16QAM	Outer_Full	38.52	40.00	Pass
15KHz	40MHz	CP-64QAM	Outer_Full	38.60	40.16	Pass
15KHz	40MHz	CP-256QAM	Outer_Full	38.52	40.08	Pass

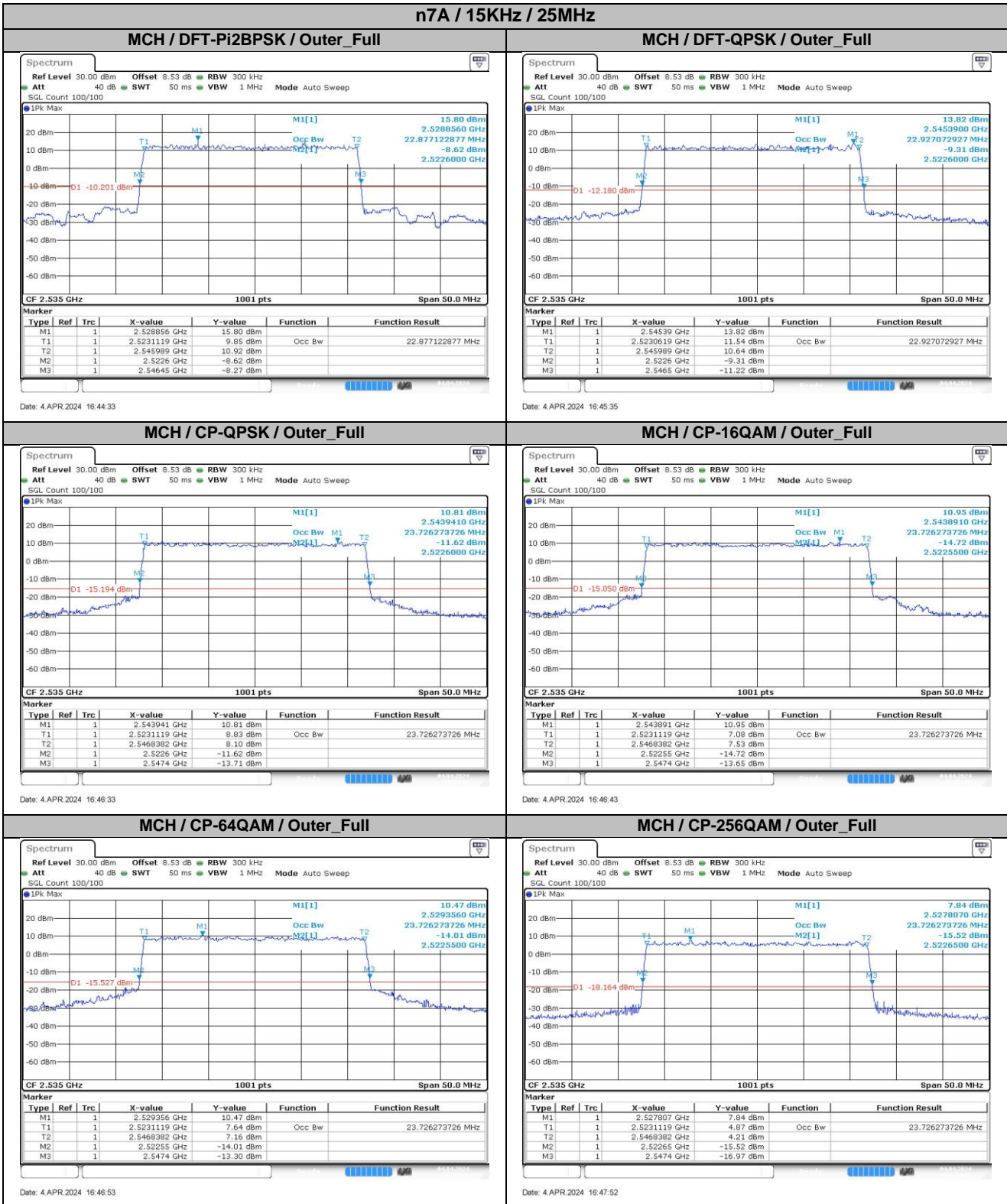
4.2. Test Plots

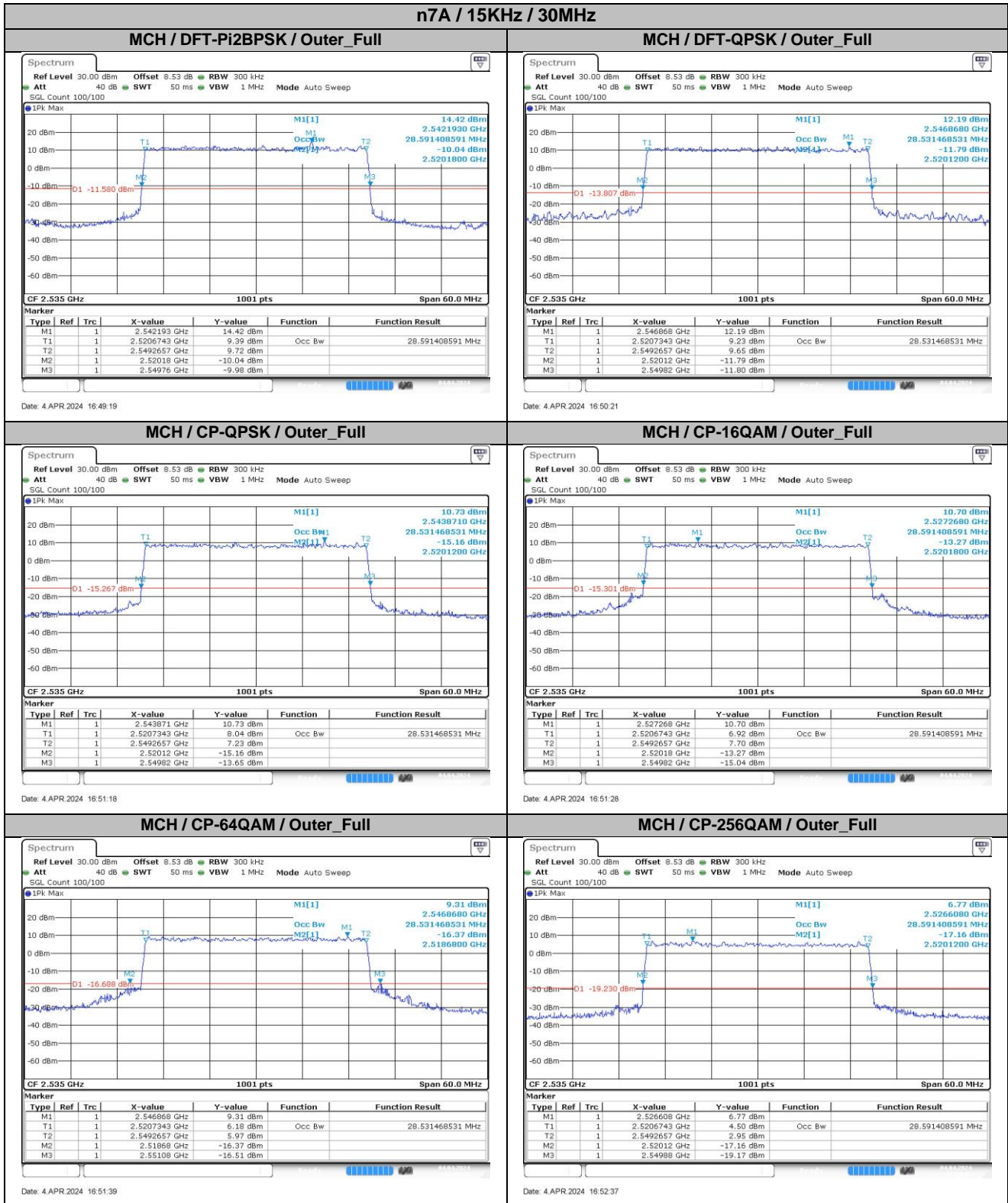


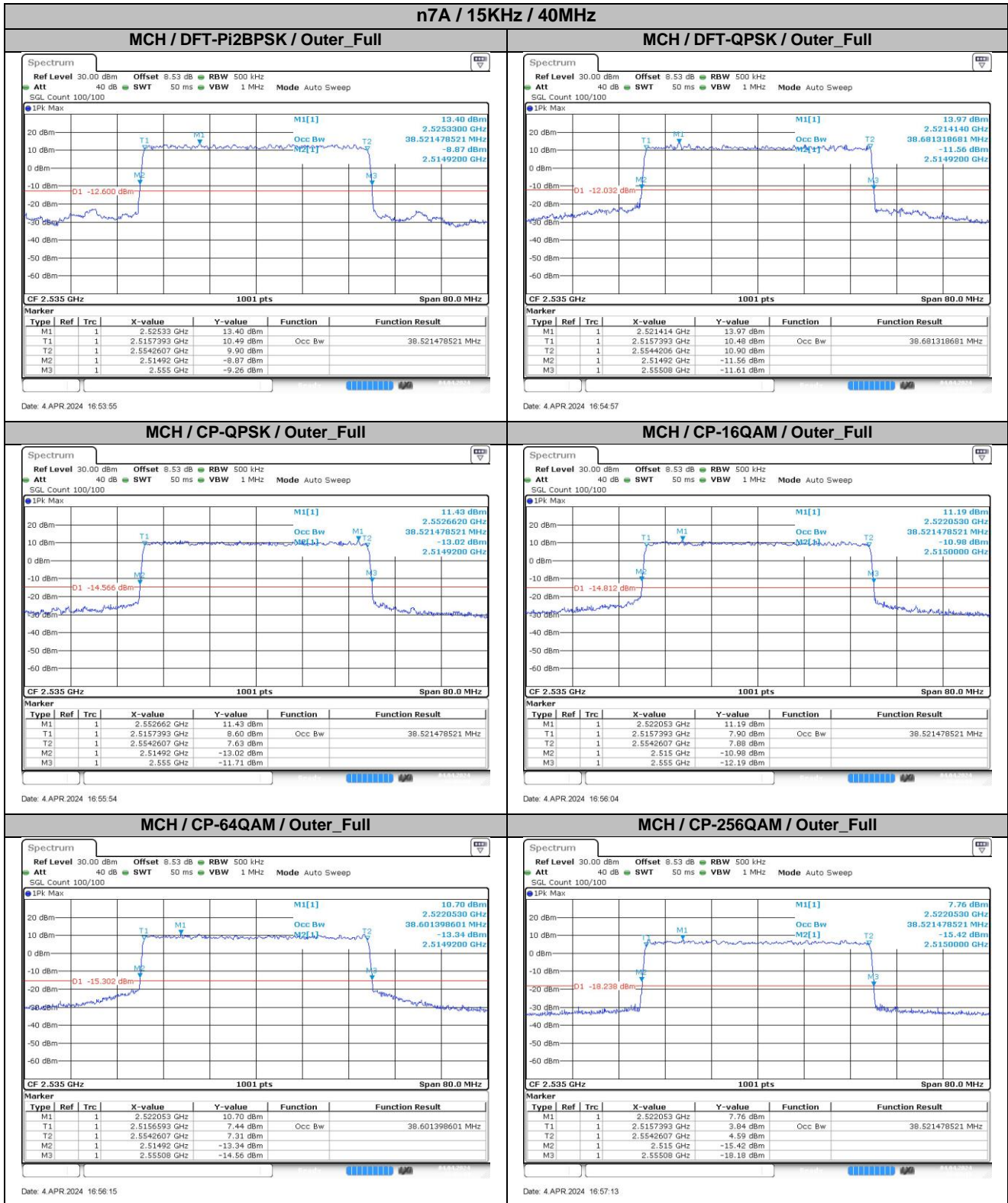






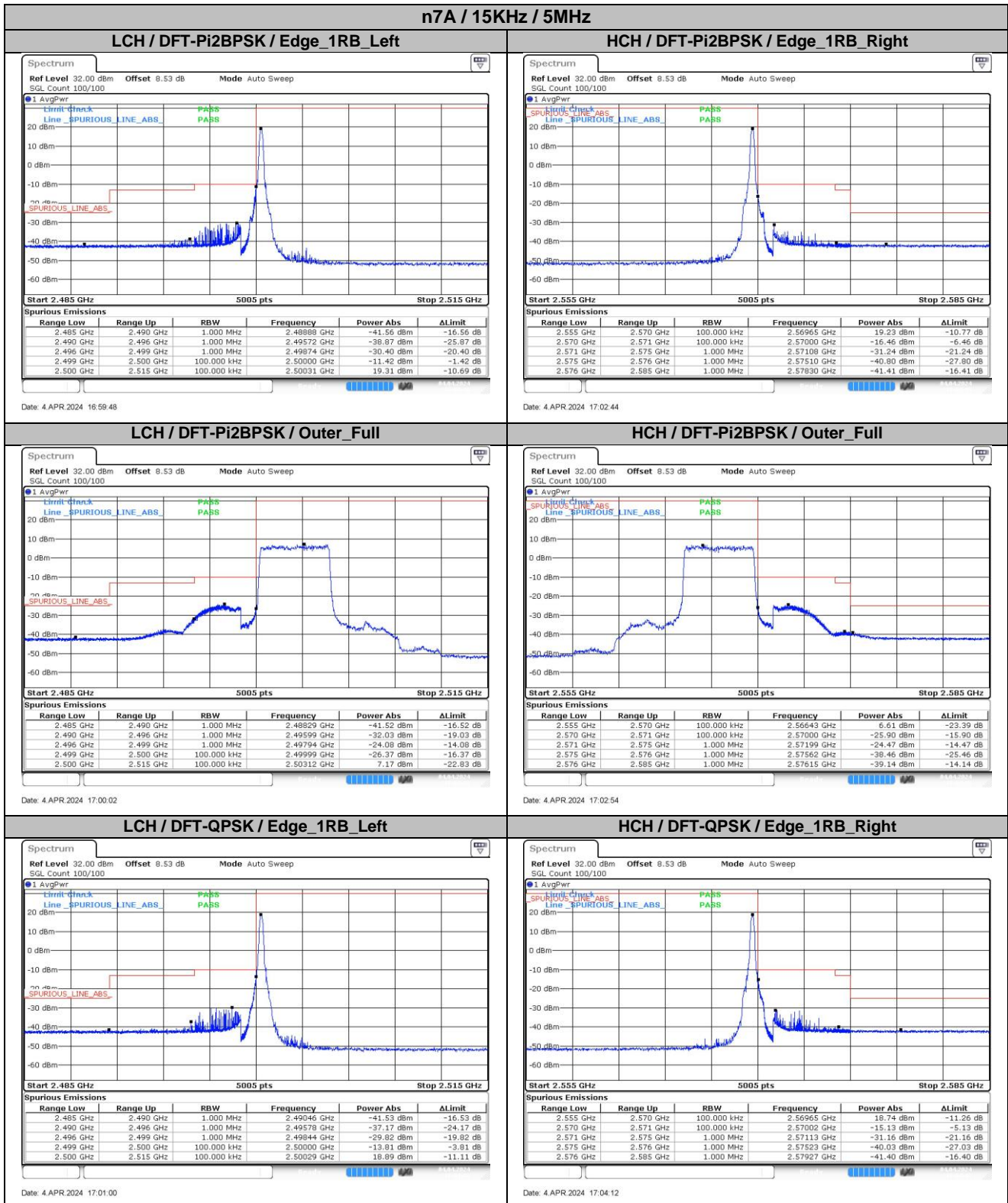


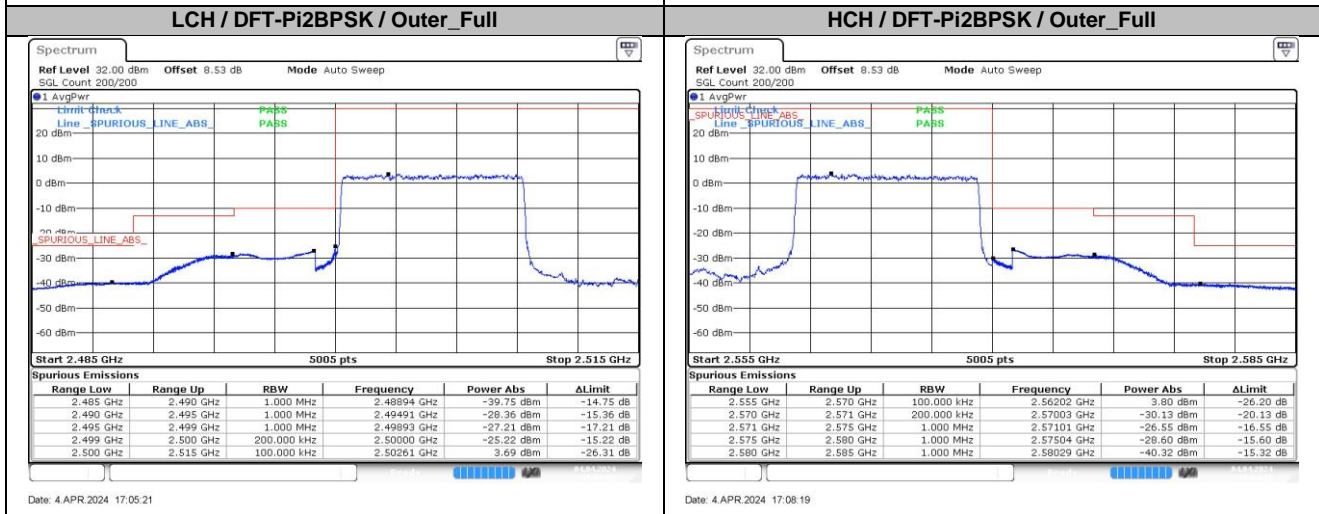
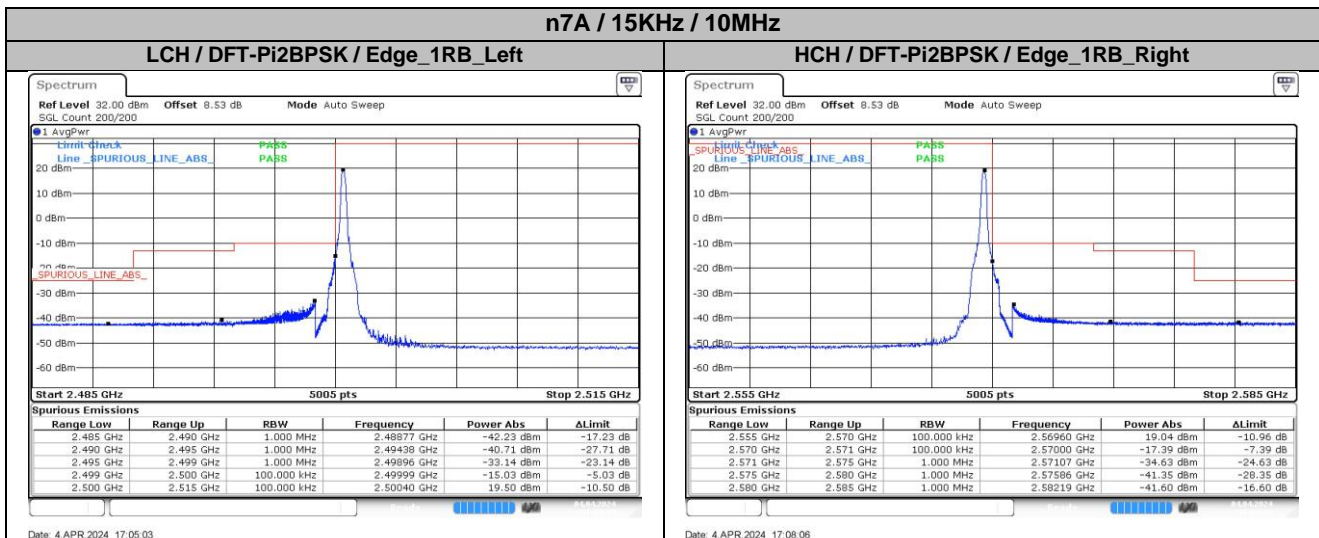
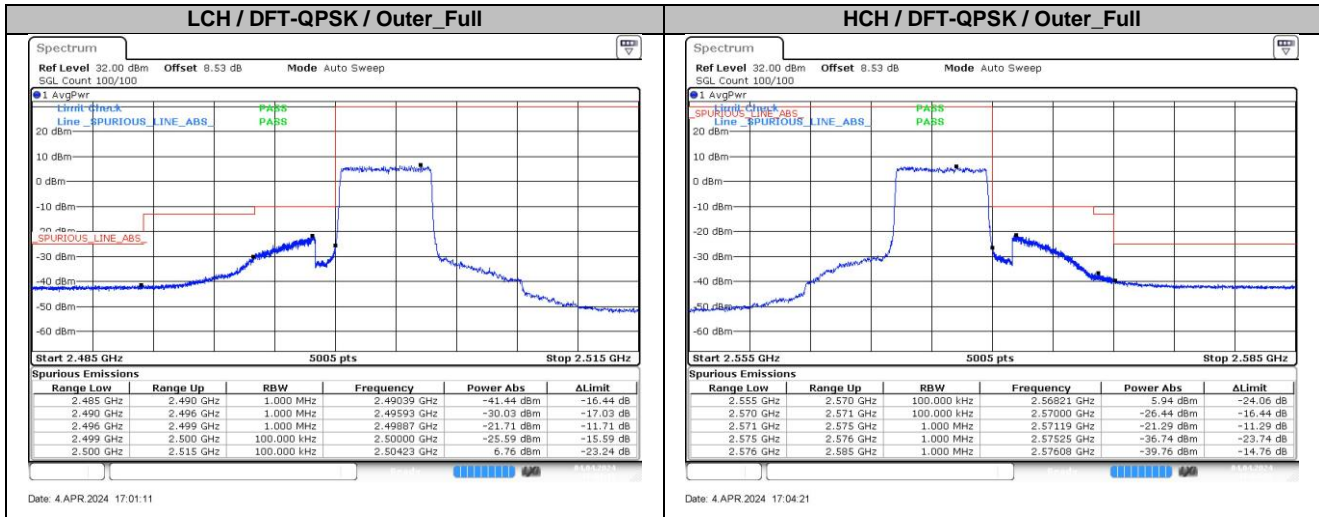


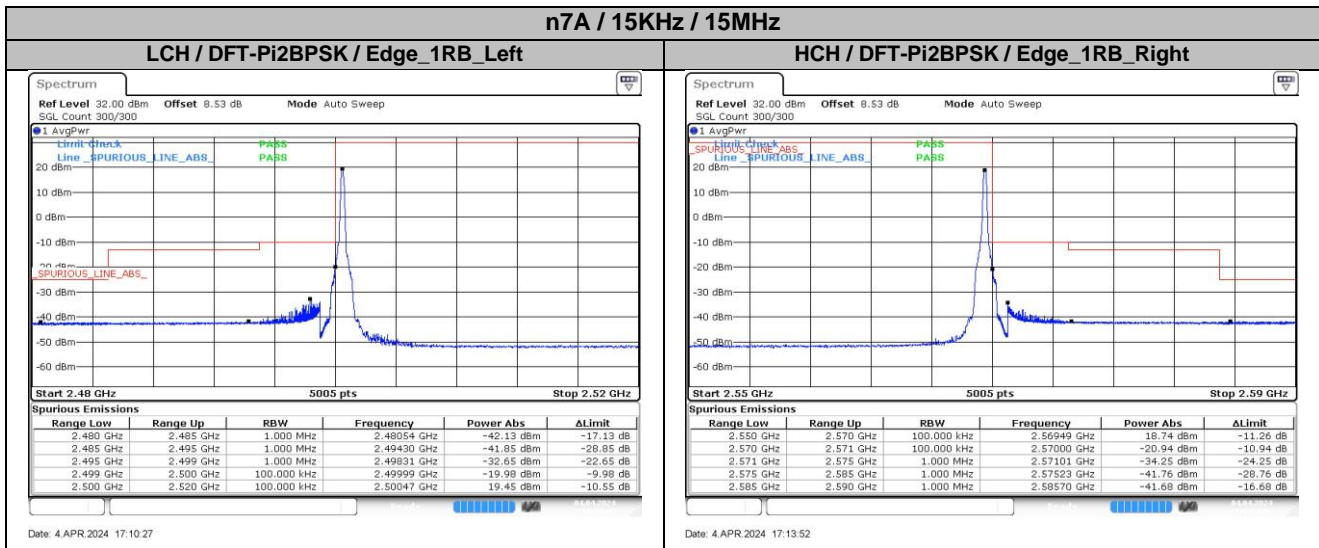
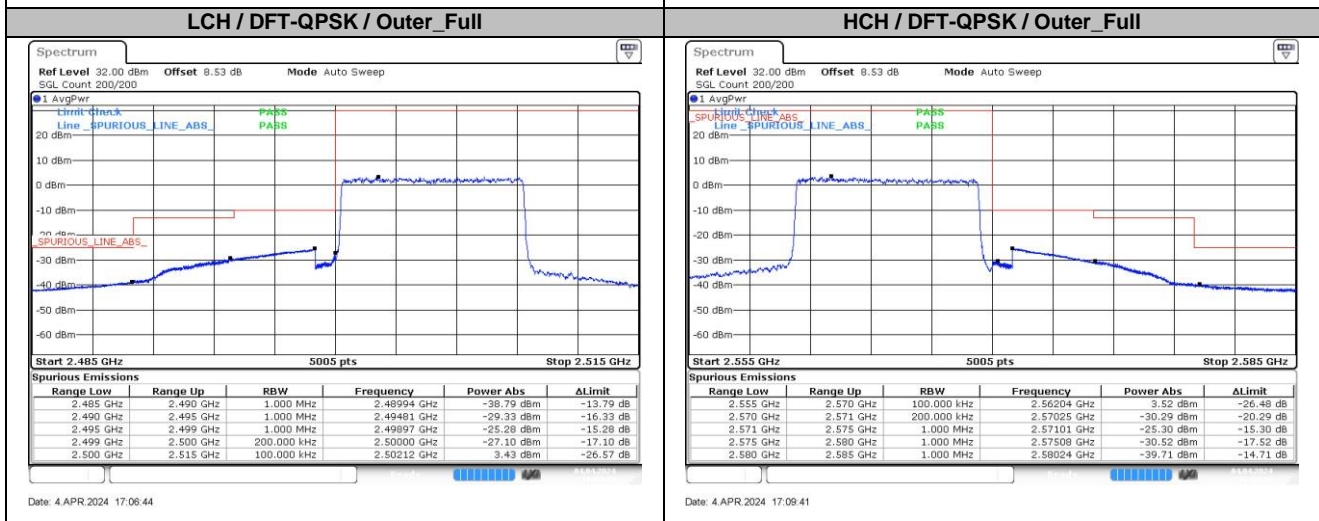
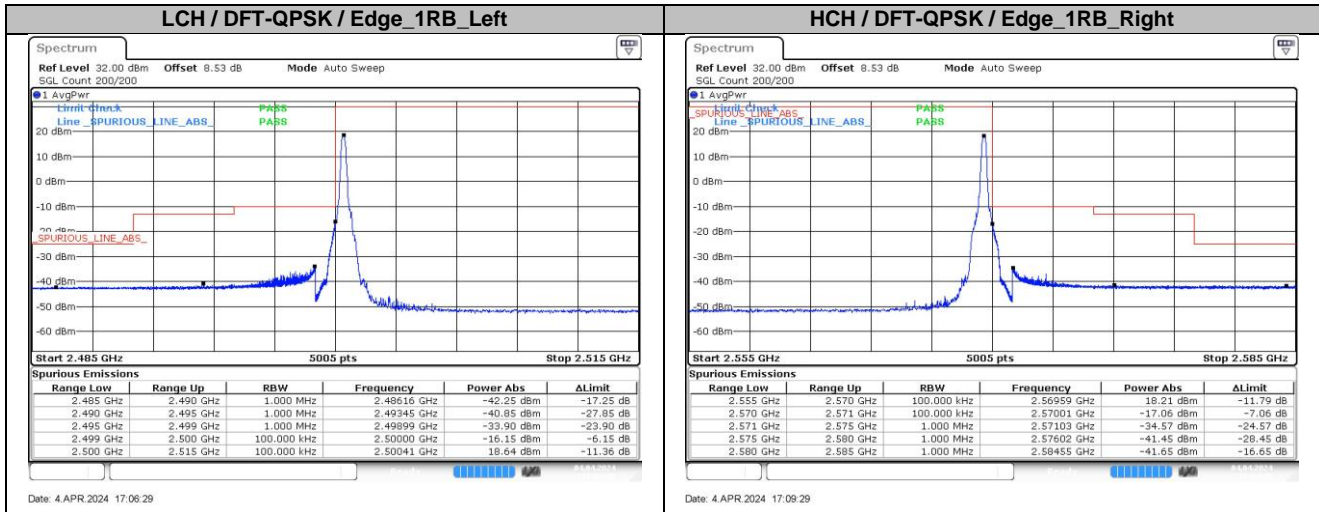


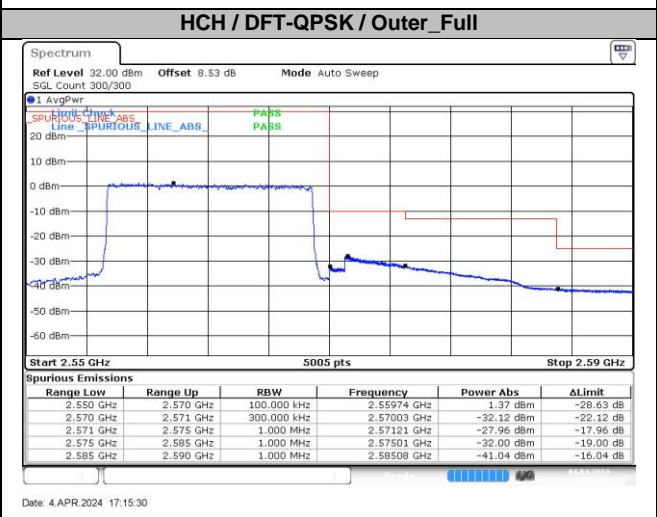
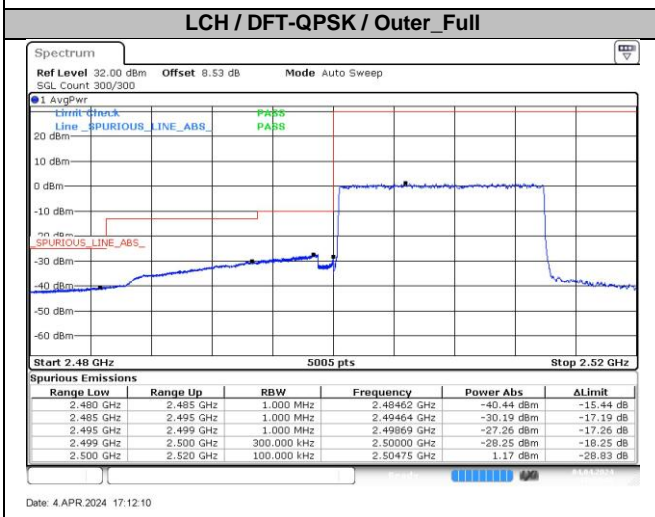
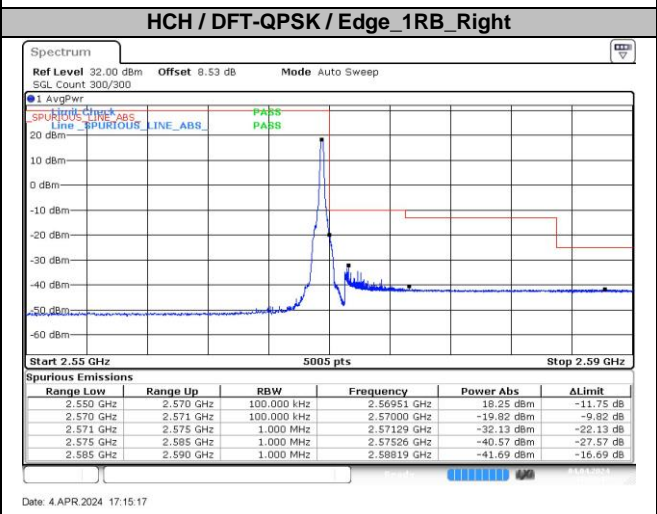
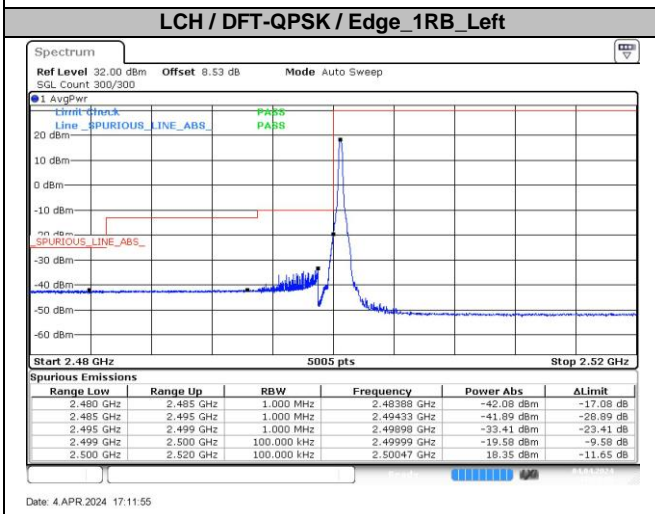
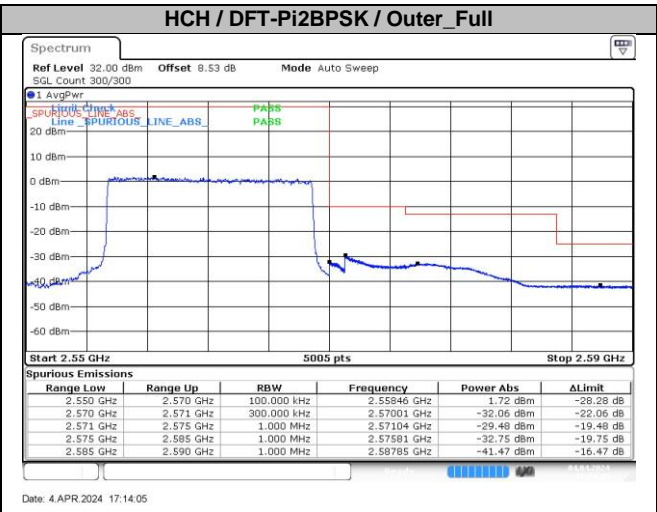
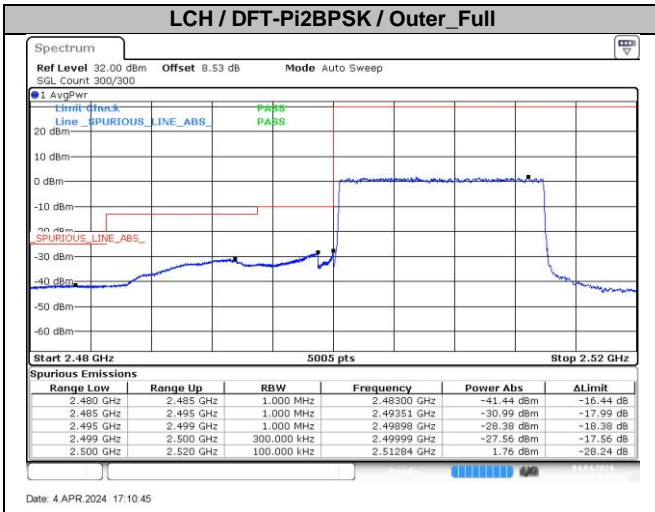
5. Conducted Band Edges

5.1. Test Plots



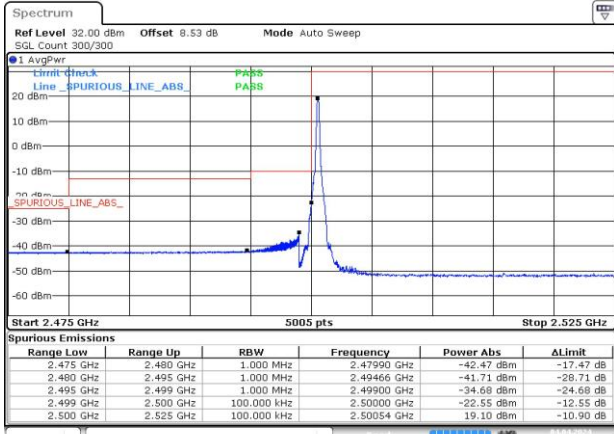






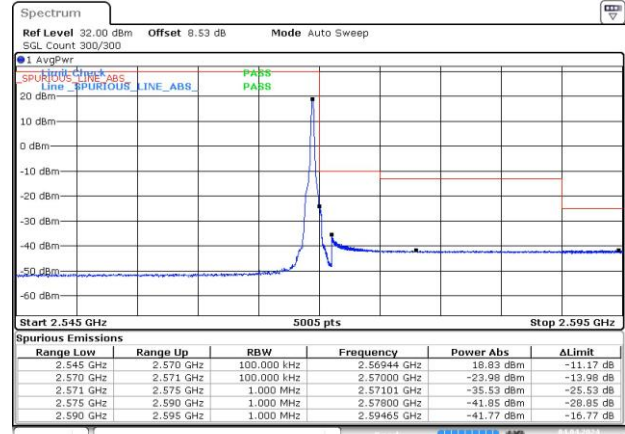
n7A / 15KHz / 20MHz

LCH / DFT-Pi2BPSK / Edge_1RB_Left



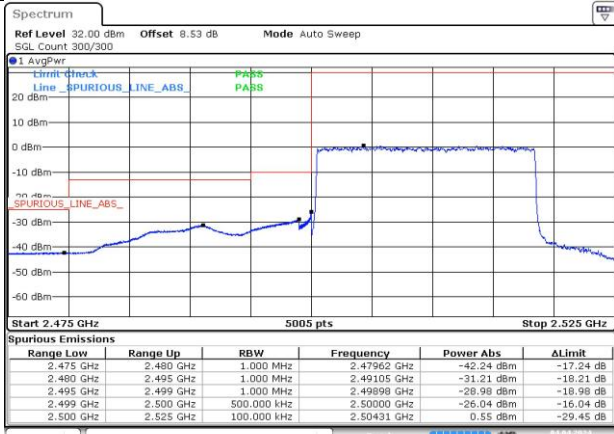
Date: 4 APR 2024 17:16:21

HCH / DFT-Pi2BPSK / Edge_1RB_Right



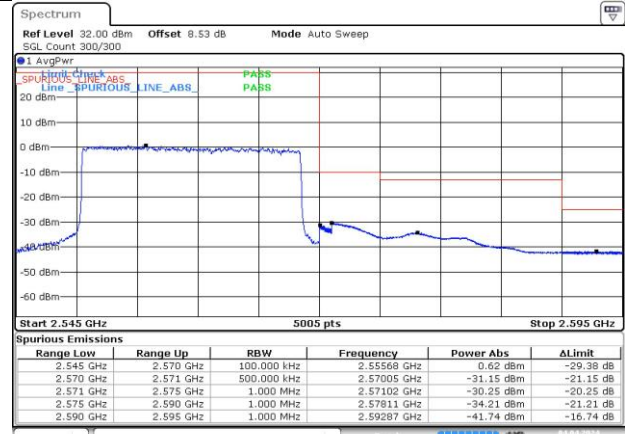
Date: 4 APR 2024 17:19:18

LCH / DFT-Pi2BPSK / Outer_Full



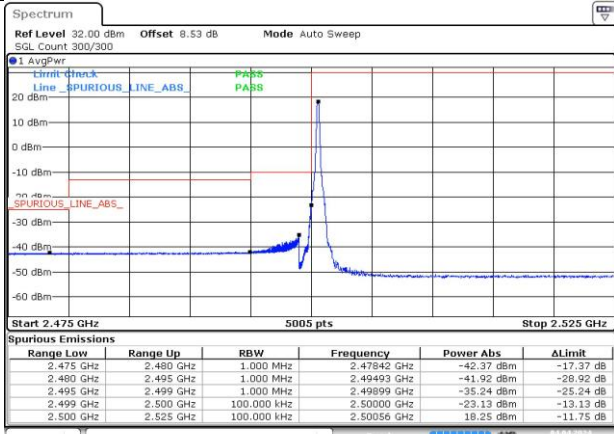
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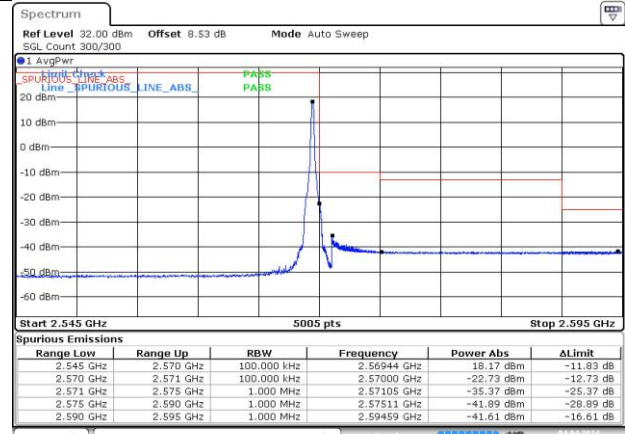
Date: 4 APR 2024 17:19:35

LCH / DFT-QPSK / Edge_1RB_Left



Date: 4 APR 2024 17:17:13

HCH / DFT-QPSK / Edge_1RB_Right



Date: 4 APR 2024 17:20:57