

**Appendix
for
n78A
(3700-3800)**

Catalogue

1.	EFFECTIVE ISOTROPIC RADIATED POWER	3
1.1.	TEST RESULTS @ ANT7 (ANTENNA GAIN=-2.40DBI)	3
2.	PEAK-TO-AVERAGE RATIO	8
2.1.	TEST RESULTS	8
2.2.	TEST PLOTS FOR SCS=15KHZ.....	8
2.3.	TEST PLOTS FOR SCS=30KHZ.....	9
3.	MODULATION CHARACTERISTICS	10
3.1.	TEST PLOTS.....	10
4.	99% OCCUPIED BANDWIDTH & 26DB EMISSION BANDWIDTH	13
4.1.	TEST RESULTS	13
4.2.	TEST PLOTS FOR SCS=15KHZ.....	15
4.3.	TEST PLOTS FOR SCS=30KHZ.....	22
5.	CONDUCTED BAND EDGES	34
5.1.	TEST PLOTS FOR SCS=15KHZ.....	34
5.2.	TEST PLOTS FOR SCS=30KHZ.....	43
6.	CONDUCTED SPURIOUS EMISSION	59
6.1.	TEST PLOTS FOR SCS=15KHZ.....	59
6.2.	TEST PLOTS FOR SCS=30KHZ.....	66
7.	FREQUENCY STABILITY	77
7.1.	TEST RESULTS	77

1. Effective Isotropic Radiated Power

1.1. Test Results @ Ant7 (Antenna Gain=-2.40dBi)

SCS	Bandwidth	Channel	Modulation	Conducted Result (dBm)			Max EIRP (dBm)	Limit (dBm)	Verdict
				Inner_1RB_Left	Inner_1RB_Right	Inner_Full			
15KHz	10MHz	LCH	DFT-Pi2BPSK	23.22	23.20	23.39	20.99	30.00	Pass
15KHz	10MHz	LCH	DFT-QPSK	23.23	23.23	23.42	21.02	30.00	Pass
15KHz	10MHz	LCH	DFT-16QAM	22.33	22.30	22.39	19.99	30.00	Pass
15KHz	10MHz	LCH	DFT-64QAM	20.94	20.97	20.86	18.57	30.00	Pass
15KHz	10MHz	LCH	DFT-256QAM	18.69	18.66	18.84	16.44	30.00	Pass
15KHz	10MHz	LCH	CP-QPSK	21.85	21.92	21.90	19.52	30.00	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	23.40	23.43	23.52	21.12	30.00	Pass
15KHz	10MHz	MCH	DFT-QPSK	23.41	23.39	23.61	21.21	30.00	Pass
15KHz	10MHz	MCH	DFT-16QAM	22.18	22.20	22.49	20.09	30.00	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.90	20.97	21.01	18.61	30.00	Pass
15KHz	10MHz	MCH	DFT-256QAM	19.00	19.09	18.97	16.69	30.00	Pass
15KHz	10MHz	MCH	CP-QPSK	21.98	22.00	21.98	19.60	30.00	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	23.29	23.39	23.48	21.08	30.00	Pass
15KHz	10MHz	HCH	DFT-QPSK	23.39	23.34	23.57	21.17	30.00	Pass
15KHz	10MHz	HCH	DFT-16QAM	22.53	22.50	22.54	20.14	30.00	Pass
15KHz	10MHz	HCH	DFT-64QAM	21.00	20.97	20.96	18.60	30.00	Pass
15KHz	10MHz	HCH	DFT-256QAM	19.07	19.06	19.02	16.67	30.00	Pass
15KHz	10MHz	HCH	CP-QPSK	21.86	21.85	21.94	19.54	30.00	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	23.31	23.36	23.55	21.15	30.00	Pass
15KHz	15MHz	LCH	DFT-QPSK	23.33	23.37	23.52	21.12	30.00	Pass
15KHz	15MHz	LCH	DFT-16QAM	22.54	22.62	22.53	20.22	30.00	Pass
15KHz	15MHz	LCH	DFT-64QAM	21.06	21.14	20.98	18.74	30.00	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.65	18.75	18.97	16.57	30.00	Pass
15KHz	15MHz	LCH	CP-QPSK	21.99	22.05	22.00	19.65	30.00	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	23.42	23.45	23.63	21.23	30.00	Pass
15KHz	15MHz	MCH	DFT-QPSK	23.48	23.51	23.63	21.23	30.00	Pass
15KHz	15MHz	MCH	DFT-16QAM	22.71	22.75	22.70	20.35	30.00	Pass
15KHz	15MHz	MCH	DFT-64QAM	21.25	21.24	21.15	18.85	30.00	Pass
15KHz	15MHz	MCH	DFT-256QAM	19.00	19.02	19.16	16.76	30.00	Pass
15KHz	15MHz	MCH	CP-QPSK	22.02	22.04	22.14	19.74	30.00	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	23.32	23.41	23.55	21.15	30.00	Pass
15KHz	15MHz	HCH	DFT-QPSK	23.37	23.43	23.57	21.17	30.00	Pass
15KHz	15MHz	HCH	DFT-16QAM	22.60	22.68	22.56	20.28	30.00	Pass
15KHz	15MHz	HCH	DFT-64QAM	21.10	21.20	21.11	18.80	30.00	Pass
15KHz	15MHz	HCH	DFT-256QAM	18.94	19.06	19.13	16.73	30.00	Pass
15KHz	15MHz	HCH	CP-QPSK	22.03	22.09	22.08	19.69	30.00	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	23.25	23.25	23.50	21.10	30.00	Pass
15KHz	20MHz	LCH	DFT-QPSK	23.28	23.29	23.60	21.20	30.00	Pass
15KHz	20MHz	LCH	DFT-16QAM	22.34	22.35	22.55	20.15	30.00	Pass
15KHz	20MHz	LCH	DFT-64QAM	20.99	21.00	21.06	18.66	30.00	Pass
15KHz	20MHz	LCH	DFT-256QAM	18.80	18.81	18.97	16.57	30.00	Pass
15KHz	20MHz	LCH	CP-QPSK	21.83	21.82	21.99	19.59	30.00	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	23.42	23.51	23.66	21.26	30.00	Pass
15KHz	20MHz	MCH	DFT-QPSK	22.95	22.99	23.12	20.72	30.00	Pass
15KHz	20MHz	MCH	DFT-16QAM	22.06	22.09	22.17	19.77	30.00	Pass
15KHz	20MHz	MCH	DFT-64QAM	20.59	20.68	20.58	18.28	30.00	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.38	18.57	18.64	16.24	30.00	Pass
15KHz	20MHz	MCH	CP-QPSK	21.41	21.49	21.64	19.24	30.00	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	22.87	22.99	23.12	20.72	30.00	Pass
15KHz	20MHz	HCH	DFT-QPSK	22.88	22.99	23.17	20.77	30.00	Pass
15KHz	20MHz	HCH	DFT-16QAM	22.00	22.10	22.16	19.76	30.00	Pass
15KHz	20MHz	HCH	DFT-64QAM	20.54	20.66	20.63	18.26	30.00	Pass
15KHz	20MHz	HCH	DFT-256QAM	18.49	18.63	18.63	16.23	30.00	Pass
15KHz	20MHz	HCH	CP-QPSK	21.41	21.55	21.66	19.26	30.00	Pass
15KHz	25MHz	LCH	DFT-Pi2BPSK	22.67	22.76	23.02	20.62	30.00	Pass
15KHz	25MHz	LCH	DFT-QPSK	22.68	22.80	23.07	20.67	30.00	Pass
15KHz	25MHz	LCH	DFT-16QAM	21.82	21.97	22.11	19.71	30.00	Pass
15KHz	25MHz	LCH	DFT-64QAM	20.29	20.47	20.59	18.19	30.00	Pass
15KHz	25MHz	LCH	DFT-256QAM	18.32	18.43	18.64	16.24	30.00	Pass

15KHz	25MHz	LCH	CP-QPSK	21.28	21.41	21.52	19.12	30.00	Pass
15KHz	25MHz	MCH	DFT-Pi2BPSK	22.92	22.90	23.15	20.75	30.00	Pass
15KHz	25MHz	MCH	DFT-QPSK	22.87	22.91	23.25	20.85	30.00	Pass
15KHz	25MHz	MCH	DFT-16QAM	21.65	21.64	22.19	19.79	30.00	Pass
15KHz	25MHz	MCH	DFT-64QAM	20.43	20.46	20.66	18.26	30.00	Pass
15KHz	25MHz	MCH	DFT-256QAM	18.57	18.51	18.75	16.35	30.00	Pass
15KHz	25MHz	MCH	CP-QPSK	21.52	21.51	21.64	19.24	30.00	Pass
15KHz	25MHz	HCH	DFT-Pi2BPSK	22.83	23.05	23.28	20.88	30.00	Pass
15KHz	25MHz	HCH	DFT-QPSK	22.83	23.05	23.30	20.90	30.00	Pass
15KHz	25MHz	HCH	DFT-16QAM	21.57	21.77	22.28	19.88	30.00	Pass
15KHz	25MHz	HCH	DFT-64QAM	20.37	20.61	20.73	18.33	30.00	Pass
15KHz	25MHz	HCH	DFT-256QAM	18.22	18.53	18.84	16.44	30.00	Pass
15KHz	25MHz	HCH	CP-QPSK	21.43	21.66	21.69	19.29	30.00	Pass
15KHz	30MHz	LCH	DFT-Pi2BPSK	22.63	22.85	23.17	20.77	30.00	Pass
15KHz	30MHz	LCH	DFT-QPSK	22.63	22.85	23.12	20.72	30.00	Pass
15KHz	30MHz	LCH	DFT-16QAM	21.75	21.97	22.15	19.75	30.00	Pass
15KHz	30MHz	LCH	DFT-64QAM	20.36	20.61	20.68	18.28	30.00	Pass
15KHz	30MHz	LCH	DFT-256QAM	18.30	18.48	18.63	16.23	30.00	Pass
15KHz	30MHz	LCH	CP-QPSK	21.27	21.56	21.63	19.23	30.00	Pass
15KHz	30MHz	MCH	DFT-Pi2BPSK	22.88	22.94	23.22	20.82	30.00	Pass
15KHz	30MHz	MCH	DFT-QPSK	22.83	22.94	23.19	20.79	30.00	Pass
15KHz	30MHz	MCH	DFT-16QAM	21.62	21.66	22.29	19.89	30.00	Pass
15KHz	30MHz	MCH	DFT-64QAM	20.45	20.47	20.72	18.32	30.00	Pass
15KHz	30MHz	MCH	DFT-256QAM	18.50	18.58	18.67	16.27	30.00	Pass
15KHz	30MHz	MCH	CP-QPSK	21.37	21.40	21.72	19.32	30.00	Pass
15KHz	30MHz	HCH	DFT-Pi2BPSK	22.62	22.93	23.26	20.86	30.00	Pass
15KHz	30MHz	HCH	DFT-QPSK	22.69	22.99	23.21	20.81	30.00	Pass
15KHz	30MHz	HCH	DFT-16QAM	21.78	22.14	22.30	19.90	30.00	Pass
15KHz	30MHz	HCH	DFT-64QAM	20.30	20.60	20.77	18.37	30.00	Pass
15KHz	30MHz	HCH	DFT-256QAM	18.36	18.65	18.71	16.31	30.00	Pass
15KHz	30MHz	HCH	CP-QPSK	21.27	21.56	21.71	19.31	30.00	Pass
15KHz	40MHz	LCH	DFT-Pi2BPSK	22.41	22.71	23.15	20.75	30.00	Pass
15KHz	40MHz	LCH	DFT-QPSK	22.44	22.76	23.15	20.75	30.00	Pass
15KHz	40MHz	LCH	DFT-16QAM	21.51	21.83	22.21	19.81	30.00	Pass
15KHz	40MHz	LCH	DFT-64QAM	20.18	20.49	20.74	18.34	30.00	Pass
15KHz	40MHz	LCH	DFT-256QAM	17.97	18.27	18.64	16.24	30.00	Pass
15KHz	40MHz	LCH	CP-QPSK	20.93	21.23	21.62	19.22	30.00	Pass
15KHz	40MHz	MCH	DFT-Pi2BPSK	22.61	22.70	23.34	20.94	30.00	Pass
15KHz	40MHz	MCH	DFT-QPSK	22.62	22.76	23.33	20.93	30.00	Pass
15KHz	40MHz	MCH	DFT-16QAM	21.73	21.85	22.26	19.86	30.00	Pass
15KHz	40MHz	MCH	DFT-64QAM	20.20	20.30	20.80	18.40	30.00	Pass
15KHz	40MHz	MCH	DFT-256QAM	18.13	18.20	18.71	16.31	30.00	Pass
15KHz	40MHz	MCH	CP-QPSK	21.20	21.28	21.72	19.32	30.00	Pass
15KHz	40MHz	HCH	DFT-Pi2BPSK	22.52	22.90	23.35	20.95	30.00	Pass
15KHz	40MHz	HCH	DFT-QPSK	22.56	22.89	23.35	20.95	30.00	Pass
15KHz	40MHz	HCH	DFT-16QAM	21.62	21.99	22.36	19.96	30.00	Pass
15KHz	40MHz	HCH	DFT-64QAM	20.30	20.69	20.87	18.47	30.00	Pass
15KHz	40MHz	HCH	DFT-256QAM	18.11	18.48	18.80	16.40	30.00	Pass
15KHz	40MHz	HCH	CP-QPSK	21.08	21.43	21.75	19.35	30.00	Pass
15KHz	50MHz	LCH	DFT-Pi2BPSK	22.69	23.02	23.33	20.93	30.00	Pass
15KHz	50MHz	LCH	DFT-QPSK	22.78	23.07	23.34	20.94	30.00	Pass
15KHz	50MHz	LCH	DFT-16QAM	21.96	22.22	22.26	19.86	30.00	Pass
15KHz	50MHz	LCH	DFT-64QAM	20.48	20.81	20.77	18.41	30.00	Pass
15KHz	50MHz	LCH	DFT-256QAM	18.40	18.66	18.74	16.34	30.00	Pass
15KHz	50MHz	LCH	CP-QPSK	21.36	21.62	21.75	19.35	30.00	Pass
15KHz	50MHz	MCH	DFT-Pi2BPSK	22.99	23.20	23.29	20.89	30.00	Pass
15KHz	50MHz	MCH	DFT-QPSK	22.96	23.17	23.36	20.96	30.00	Pass
15KHz	50MHz	MCH	DFT-16QAM	22.05	22.20	22.37	19.97	30.00	Pass
15KHz	50MHz	MCH	DFT-64QAM	20.65	20.88	20.90	18.50	30.00	Pass
15KHz	50MHz	MCH	DFT-256QAM	18.57	18.79	18.87	16.47	30.00	Pass
15KHz	50MHz	MCH	CP-QPSK	21.50	21.67	21.87	19.47	30.00	Pass
15KHz	50MHz	HCH	DFT-Pi2BPSK	22.80	23.16	23.23	20.83	30.00	Pass
15KHz	50MHz	HCH	DFT-QPSK	22.81	23.17	23.29	20.89	30.00	Pass
15KHz	50MHz	HCH	DFT-16QAM	21.93	22.36	22.28	19.96	30.00	Pass

15KHz	50MHz	HCH	DFT-64QAM	20.59	20.96	20.77	18.56	30.00	Pass
15KHz	50MHz	HCH	DFT-256QAM	18.28	18.78	18.78	16.38	30.00	Pass
15KHz	50MHz	HCH	CP-QPSK	21.38	21.78	21.78	19.38	30.00	Pass
30KHz	10MHz	LCH	DFT-Pi2BPSK	23.03	23.04	23.20	20.80	30.00	Pass
30KHz	10MHz	LCH	DFT-QPSK	22.92	22.97	23.20	20.80	30.00	Pass
30KHz	10MHz	LCH	DFT-16QAM	22.01	22.04	22.26	19.86	30.00	Pass
30KHz	10MHz	LCH	DFT-64QAM	20.52	20.51	20.66	18.26	30.00	Pass
30KHz	10MHz	LCH	DFT-256QAM	18.31	18.30	18.72	16.32	30.00	Pass
30KHz	10MHz	LCH	CP-QPSK	21.56	21.58	21.79	19.39	30.00	Pass
30KHz	10MHz	MCH	DFT-Pi2BPSK	23.28	23.31	23.35	20.95	30.00	Pass
30KHz	10MHz	MCH	DFT-QPSK	23.24	23.24	23.37	20.97	30.00	Pass
30KHz	10MHz	MCH	DFT-16QAM	22.11	22.15	22.44	20.04	30.00	Pass
30KHz	10MHz	MCH	DFT-64QAM	20.71	20.72	20.91	18.51	30.00	Pass
30KHz	10MHz	MCH	DFT-256QAM	18.58	18.57	18.88	16.48	30.00	Pass
30KHz	10MHz	MCH	CP-QPSK	21.78	21.77	22.01	19.61	30.00	Pass
30KHz	10MHz	HCH	DFT-Pi2BPSK	23.26	23.24	23.35	20.95	30.00	Pass
30KHz	10MHz	HCH	DFT-QPSK	23.22	23.20	23.35	20.95	30.00	Pass
30KHz	10MHz	HCH	DFT-16QAM	22.10	22.14	22.39	19.99	30.00	Pass
30KHz	10MHz	HCH	DFT-64QAM	20.67	20.70	20.84	18.44	30.00	Pass
30KHz	10MHz	HCH	DFT-256QAM	18.54	18.52	18.86	16.46	30.00	Pass
30KHz	10MHz	HCH	CP-QPSK	21.69	21.68	21.91	19.51	30.00	Pass
30KHz	15MHz	LCH	DFT-Pi2BPSK	22.99	23.05	23.21	20.81	30.00	Pass
30KHz	15MHz	LCH	DFT-QPSK	22.97	23.04	23.24	20.84	30.00	Pass
30KHz	15MHz	LCH	DFT-16QAM	22.02	22.09	22.28	19.88	30.00	Pass
30KHz	15MHz	LCH	DFT-64QAM	20.46	20.57	20.71	18.31	30.00	Pass
30KHz	15MHz	LCH	DFT-256QAM	18.26	18.29	18.73	16.33	30.00	Pass
30KHz	15MHz	LCH	CP-QPSK	21.49	21.53	21.72	19.32	30.00	Pass
30KHz	15MHz	MCH	DFT-Pi2BPSK	23.18	23.24	23.36	20.96	30.00	Pass
30KHz	15MHz	MCH	DFT-QPSK	23.23	23.21	23.36	20.96	30.00	Pass
30KHz	15MHz	MCH	DFT-16QAM	22.16	22.14	22.39	19.99	30.00	Pass
30KHz	15MHz	MCH	DFT-64QAM	20.61	20.69	20.84	18.44	30.00	Pass
30KHz	15MHz	MCH	DFT-256QAM	18.32	18.44	18.86	16.46	30.00	Pass
30KHz	15MHz	MCH	CP-QPSK	21.69	21.67	21.85	19.45	30.00	Pass
30KHz	15MHz	HCH	DFT-Pi2BPSK	23.09	23.18	23.31	20.91	30.00	Pass
30KHz	15MHz	HCH	DFT-QPSK	23.07	23.14	23.30	20.90	30.00	Pass
30KHz	15MHz	HCH	DFT-16QAM	22.00	22.12	22.35	19.95	30.00	Pass
30KHz	15MHz	HCH	DFT-64QAM	20.54	20.63	20.79	18.39	30.00	Pass
30KHz	15MHz	HCH	DFT-256QAM	18.40	18.47	18.78	16.38	30.00	Pass
30KHz	15MHz	HCH	CP-QPSK	21.50	21.61	21.74	19.34	30.00	Pass
30KHz	20MHz	LCH	DFT-Pi2BPSK	22.97	23.03	23.24	20.84	30.00	Pass
30KHz	20MHz	LCH	DFT-QPSK	22.92	22.97	23.30	20.90	30.00	Pass
30KHz	20MHz	LCH	DFT-16QAM	21.97	21.98	22.29	19.89	30.00	Pass
30KHz	20MHz	LCH	DFT-64QAM	20.45	20.50	20.78	18.38	30.00	Pass
30KHz	20MHz	LCH	DFT-256QAM	18.28	18.30	18.72	16.32	30.00	Pass
30KHz	20MHz	LCH	CP-QPSK	21.52	21.55	21.73	19.33	30.00	Pass
30KHz	20MHz	MCH	DFT-Pi2BPSK	23.15	23.21	23.39	20.99	30.00	Pass
30KHz	20MHz	MCH	DFT-QPSK	23.13	23.22	23.40	21.00	30.00	Pass
30KHz	20MHz	MCH	DFT-16QAM	22.10	22.13	22.41	20.01	30.00	Pass
30KHz	20MHz	MCH	DFT-64QAM	20.63	20.69	20.92	18.52	30.00	Pass
30KHz	20MHz	MCH	DFT-256QAM	18.48	18.53	18.85	16.45	30.00	Pass
30KHz	20MHz	MCH	CP-QPSK	21.57	21.66	21.87	19.47	30.00	Pass
30KHz	20MHz	HCH	DFT-Pi2BPSK	23.07	23.16	23.35	20.95	30.00	Pass
30KHz	20MHz	HCH	DFT-QPSK	23.03	23.13	23.36	20.96	30.00	Pass
30KHz	20MHz	HCH	DFT-16QAM	22.09	22.13	22.37	19.97	30.00	Pass
30KHz	20MHz	HCH	DFT-64QAM	20.49	20.64	20.88	18.48	30.00	Pass
30KHz	20MHz	HCH	DFT-256QAM	18.31	18.45	18.80	16.40	30.00	Pass
30KHz	20MHz	HCH	CP-QPSK	21.50	21.59	21.82	19.42	30.00	Pass
30KHz	25MHz	LCH	DFT-Pi2BPSK	22.89	23.02	23.28	20.88	30.00	Pass
30KHz	25MHz	LCH	DFT-QPSK	22.81	22.93	23.28	20.88	30.00	Pass
30KHz	25MHz	LCH	DFT-16QAM	21.90	22.00	22.28	19.88	30.00	Pass
30KHz	25MHz	LCH	DFT-64QAM	20.32	20.48	20.78	18.38	30.00	Pass
30KHz	25MHz	LCH	DFT-256QAM	18.19	18.30	18.76	16.36	30.00	Pass
30KHz	25MHz	LCH	CP-QPSK	21.41	21.54	21.77	19.37	30.00	Pass
30KHz	25MHz	MCH	DFT-Pi2BPSK	23.11	23.10	23.35	20.95	30.00	Pass

30KHz	25MHz	MCH	DFT-QPSK	23.04	23.05	23.40	21.00	30.00	Pass
30KHz	25MHz	MCH	DFT-16QAM	22.04	22.06	22.40	20.00	30.00	Pass
30KHz	25MHz	MCH	DFT-64QAM	20.55	20.58	20.79	18.39	30.00	Pass
30KHz	25MHz	MCH	DFT-256QAM	18.40	18.41	18.87	16.47	30.00	Pass
30KHz	25MHz	MCH	CP-QPSK	21.53	21.54	21.81	19.41	30.00	Pass
30KHz	25MHz	HCH	DFT-Pi2BPSK	23.00	23.20	23.38	20.98	30.00	Pass
30KHz	25MHz	HCH	DFT-QPSK	22.92	23.14	23.42	21.02	30.00	Pass
30KHz	25MHz	HCH	DFT-16QAM	21.83	22.03	22.40	20.00	30.00	Pass
30KHz	25MHz	HCH	DFT-64QAM	20.38	20.58	20.87	18.47	30.00	Pass
30KHz	25MHz	HCH	DFT-256QAM	18.30	18.49	18.93	16.53	30.00	Pass
30KHz	25MHz	HCH	CP-QPSK	21.50	21.70	21.88	19.48	30.00	Pass
30KHz	30MHz	LCH	DFT-Pi2BPSK	22.84	23.04	23.29	20.89	30.00	Pass
30KHz	30MHz	LCH	DFT-QPSK	22.76	22.97	23.29	20.89	30.00	Pass
30KHz	30MHz	LCH	DFT-16QAM	21.86	22.01	22.34	19.94	30.00	Pass
30KHz	30MHz	LCH	DFT-64QAM	20.29	20.48	20.79	18.39	30.00	Pass
30KHz	30MHz	LCH	DFT-256QAM	17.98	18.26	18.79	16.39	30.00	Pass
30KHz	30MHz	LCH	CP-QPSK	21.38	21.59	21.86	19.46	30.00	Pass
30KHz	30MHz	MCH	DFT-Pi2BPSK	23.06	23.05	23.40	21.00	30.00	Pass
30KHz	30MHz	MCH	DFT-QPSK	22.98	23.00	23.36	20.96	30.00	Pass
30KHz	30MHz	MCH	DFT-16QAM	22.06	22.02	22.38	19.98	30.00	Pass
30KHz	30MHz	MCH	DFT-64QAM	20.52	20.51	20.88	18.48	30.00	Pass
30KHz	30MHz	MCH	DFT-256QAM	18.37	18.34	18.87	16.47	30.00	Pass
30KHz	30MHz	MCH	CP-QPSK	21.53	21.57	21.90	19.50	30.00	Pass
30KHz	30MHz	HCH	DFT-Pi2BPSK	22.84	23.10	23.36	20.96	30.00	Pass
30KHz	30MHz	HCH	DFT-QPSK	22.80	23.09	23.36	20.96	30.00	Pass
30KHz	30MHz	HCH	DFT-16QAM	21.82	22.08	22.37	19.97	30.00	Pass
30KHz	30MHz	HCH	DFT-64QAM	20.28	20.58	20.82	18.42	30.00	Pass
30KHz	30MHz	HCH	DFT-256QAM	18.10	18.41	18.83	16.43	30.00	Pass
30KHz	30MHz	HCH	CP-QPSK	21.36	21.65	21.87	19.47	30.00	Pass
30KHz	40MHz	LCH	DFT-Pi2BPSK	22.64	22.93	23.28	20.88	30.00	Pass
30KHz	40MHz	LCH	DFT-QPSK	22.62	22.86	23.34	20.94	30.00	Pass
30KHz	40MHz	LCH	DFT-16QAM	21.60	21.83	22.34	19.94	30.00	Pass
30KHz	40MHz	LCH	DFT-64QAM	20.09	20.36	20.80	18.40	30.00	Pass
30KHz	40MHz	LCH	DFT-256QAM	17.94	18.09	18.75	16.35	30.00	Pass
30KHz	40MHz	LCH	CP-QPSK	21.06	21.36	21.85	19.45	30.00	Pass
30KHz	40MHz	MCH	DFT-Pi2BPSK	22.81	22.92	23.38	20.98	30.00	Pass
30KHz	40MHz	MCH	DFT-QPSK	22.78	22.89	23.42	21.02	30.00	Pass
30KHz	40MHz	MCH	DFT-16QAM	21.75	21.86	22.43	20.03	30.00	Pass
30KHz	40MHz	MCH	DFT-64QAM	20.28	20.38	20.89	18.49	30.00	Pass
30KHz	40MHz	MCH	DFT-256QAM	17.94	18.20	18.86	16.46	30.00	Pass
30KHz	40MHz	MCH	CP-QPSK	21.22	21.35	21.88	19.48	30.00	Pass
30KHz	40MHz	HCH	DFT-Pi2BPSK	22.71	23.04	23.37	20.97	30.00	Pass
30KHz	40MHz	HCH	DFT-QPSK	22.67	23.02	23.37	20.97	30.00	Pass
30KHz	40MHz	HCH	DFT-16QAM	21.75	21.92	22.41	20.01	30.00	Pass
30KHz	40MHz	HCH	DFT-64QAM	20.23	20.49	20.89	18.49	30.00	Pass
30KHz	40MHz	HCH	DFT-256QAM	18.01	18.33	18.86	16.46	30.00	Pass
30KHz	40MHz	HCH	CP-QPSK	21.18	21.49	21.90	19.50	30.00	Pass
30KHz	50MHz	LCH	DFT-Pi2BPSK	22.88	23.13	23.44	21.04	30.00	Pass
30KHz	50MHz	LCH	DFT-QPSK	22.83	23.06	23.47	21.07	30.00	Pass
30KHz	50MHz	LCH	DFT-16QAM	21.87	22.06	22.43	20.03	30.00	Pass
30KHz	50MHz	LCH	DFT-64QAM	20.30	20.51	20.93	18.53	30.00	Pass
30KHz	50MHz	LCH	DFT-256QAM	18.13	18.22	18.92	16.52	30.00	Pass
30KHz	50MHz	LCH	CP-QPSK	21.33	21.57	21.93	19.53	30.00	Pass
30KHz	50MHz	MCH	DFT-Pi2BPSK	23.02	23.20	23.49	21.09	30.00	Pass
30KHz	50MHz	MCH	DFT-QPSK	22.96	23.15	23.50	21.10	30.00	Pass
30KHz	50MHz	MCH	DFT-16QAM	21.93	22.16	22.48	20.08	30.00	Pass
30KHz	50MHz	MCH	DFT-64QAM	20.46	20.63	20.92	18.52	30.00	Pass
30KHz	50MHz	MCH	DFT-256QAM	18.25	18.43	18.96	16.56	30.00	Pass
30KHz	50MHz	MCH	CP-QPSK	21.47	21.68	21.89	19.49	30.00	Pass
30KHz	50MHz	HCH	DFT-Pi2BPSK	22.90	23.24	23.39	20.99	30.00	Pass
30KHz	50MHz	HCH	DFT-QPSK	22.86	23.21	23.42	21.02	30.00	Pass
30KHz	50MHz	HCH	DFT-16QAM	21.84	22.21	22.38	19.98	30.00	Pass
30KHz	50MHz	HCH	DFT-64QAM	20.32	20.65	20.86	18.46	30.00	Pass
30KHz	50MHz	HCH	DFT-256QAM	18.12	18.47	18.84	16.44	30.00	Pass

30KHz	50MHz	HCH	CP-QPSK	21.36	21.69	21.83	19.43	30.00	Pass
30KHz	60MHz	LCH	DFT-Pi2BPSK	22.74	22.99	23.41	21.01	30.00	Pass
30KHz	60MHz	LCH	DFT-QPSK	22.70	22.94	23.45	21.05	30.00	Pass
30KHz	60MHz	LCH	DFT-16QAM	21.74	21.97	22.43	20.03	30.00	Pass
30KHz	60MHz	LCH	DFT-64QAM	20.18	20.40	20.87	18.47	30.00	Pass
30KHz	60MHz	LCH	DFT-256QAM	17.88	18.20	18.85	16.45	30.00	Pass
30KHz	60MHz	LCH	CP-QPSK	21.16	21.45	21.89	19.49	30.00	Pass
30KHz	60MHz	MCH	DFT-Pi2BPSK	22.85	23.11	23.46	21.06	30.00	Pass
30KHz	60MHz	MCH	DFT-QPSK	22.81	23.05	23.46	21.06	30.00	Pass
30KHz	60MHz	MCH	DFT-16QAM	21.83	22.06	22.47	20.07	30.00	Pass
30KHz	60MHz	MCH	DFT-64QAM	20.29	20.53	20.93	18.53	30.00	Pass
30KHz	60MHz	MCH	DFT-256QAM	18.10	18.38	18.88	16.48	30.00	Pass
30KHz	60MHz	MCH	CP-QPSK	21.41	21.63	21.95	19.55	30.00	Pass
30KHz	60MHz	HCH	DFT-Pi2BPSK	22.84	23.15	23.37	20.97	30.00	Pass
30KHz	60MHz	HCH	DFT-QPSK	22.80	23.13	23.38	20.98	30.00	Pass
30KHz	60MHz	HCH	DFT-16QAM	21.86	22.12	22.39	19.99	30.00	Pass
30KHz	60MHz	HCH	DFT-64QAM	20.22	20.59	20.85	18.45	30.00	Pass
30KHz	60MHz	HCH	DFT-256QAM	18.14	18.44	18.80	16.40	30.00	Pass
30KHz	60MHz	HCH	CP-QPSK	21.27	21.60	21.80	19.40	30.00	Pass
30KHz	70MHz	LCH	DFT-Pi2BPSK	22.69	22.99	23.45	21.05	30.00	Pass
30KHz	70MHz	LCH	DFT-QPSK	22.66	22.98	23.48	21.08	30.00	Pass
30KHz	70MHz	LCH	DFT-16QAM	21.70	21.97	22.47	20.07	30.00	Pass
30KHz	70MHz	LCH	DFT-64QAM	20.05	20.29	20.92	18.52	30.00	Pass
30KHz	70MHz	LCH	DFT-256QAM	17.92	18.23	18.86	16.46	30.00	Pass
30KHz	70MHz	LCH	CP-QPSK	21.09	21.46	21.93	19.53	30.00	Pass
30KHz	70MHz	MCH	DFT-Pi2BPSK	22.68	23.05	23.47	21.07	30.00	Pass
30KHz	70MHz	MCH	DFT-QPSK	22.71	23.05	23.52	21.12	30.00	Pass
30KHz	70MHz	MCH	DFT-16QAM	21.71	22.08	22.50	20.10	30.00	Pass
30KHz	70MHz	MCH	DFT-64QAM	20.07	20.41	20.91	18.51	30.00	Pass
30KHz	70MHz	MCH	DFT-256QAM	17.96	18.31	18.86	16.46	30.00	Pass
30KHz	70MHz	MCH	CP-QPSK	21.11	21.49	21.92	19.52	30.00	Pass
30KHz	70MHz	HCH	DFT-Pi2BPSK	22.79	23.11	23.46	21.06	30.00	Pass
30KHz	70MHz	HCH	DFT-QPSK	22.77	23.09	23.49	21.09	30.00	Pass
30KHz	70MHz	HCH	DFT-16QAM	21.75	22.09	22.44	20.04	30.00	Pass
30KHz	70MHz	HCH	DFT-64QAM	20.17	20.53	20.94	18.54	30.00	Pass
30KHz	70MHz	HCH	DFT-256QAM	17.97	18.30	18.88	16.48	30.00	Pass
30KHz	70MHz	HCH	CP-QPSK	21.21	21.58	21.90	19.50	30.00	Pass
30KHz	80MHz	LCH	DFT-Pi2BPSK	22.57	22.99	23.47	21.07	30.00	Pass
30KHz	80MHz	LCH	DFT-QPSK	22.57	22.95	23.49	21.09	30.00	Pass
30KHz	80MHz	LCH	DFT-16QAM	21.56	21.97	22.51	20.11	30.00	Pass
30KHz	80MHz	LCH	DFT-64QAM	19.91	20.30	20.94	18.54	30.00	Pass
30KHz	80MHz	LCH	DFT-256QAM	17.81	18.23	18.89	16.49	30.00	Pass
30KHz	80MHz	LCH	CP-QPSK	20.97	21.40	21.94	19.54	30.00	Pass
30KHz	80MHz	MCH	DFT-Pi2BPSK	22.57	23.04	23.44	21.04	30.00	Pass
30KHz	80MHz	MCH	DFT-QPSK	22.59	23.04	23.48	21.08	30.00	Pass
30KHz	80MHz	MCH	DFT-16QAM	21.58	22.02	22.50	20.10	30.00	Pass
30KHz	80MHz	MCH	DFT-64QAM	19.95	20.39	20.92	18.52	30.00	Pass
30KHz	80MHz	MCH	DFT-256QAM	17.76	18.24	18.85	16.45	30.00	Pass
30KHz	80MHz	MCH	CP-QPSK	20.99	21.45	21.90	19.50	30.00	Pass
30KHz	80MHz	HCH	DFT-Pi2BPSK	22.56	23.03	23.43	21.03	30.00	Pass
30KHz	80MHz	HCH	DFT-QPSK	22.57	23.04	23.48	21.08	30.00	Pass
30KHz	80MHz	HCH	DFT-16QAM	21.53	22.00	22.47	20.07	30.00	Pass
30KHz	80MHz	HCH	DFT-64QAM	20.06	20.43	20.91	18.51	30.00	Pass
30KHz	80MHz	HCH	DFT-256QAM	17.78	18.26	18.82	16.42	30.00	Pass
30KHz	80MHz	HCH	CP-QPSK	20.98	21.46	21.89	19.49	30.00	Pass
30KHz	90MHz	LCH	DFT-Pi2BPSK	22.46	22.94	23.45	21.05	30.00	Pass
30KHz	90MHz	LCH	DFT-QPSK	22.43	22.92	23.47	21.07	30.00	Pass
30KHz	90MHz	LCH	DFT-16QAM	21.39	21.90	22.47	20.07	30.00	Pass
30KHz	90MHz	LCH	DFT-64QAM	19.80	20.23	20.95	18.55	30.00	Pass
30KHz	90MHz	LCH	DFT-256QAM	17.66	18.13	18.91	16.51	30.00	Pass
30KHz	90MHz	LCH	CP-QPSK	20.88	21.35	21.92	19.52	30.00	Pass
30KHz	90MHz	MCH	DFT-Pi2BPSK	22.44	22.94	23.42	21.02	30.00	Pass
30KHz	90MHz	MCH	DFT-QPSK	22.38	22.92	23.45	21.05	30.00	Pass
30KHz	90MHz	MCH	DFT-16QAM	21.38	21.89	22.45	20.05	30.00	Pass

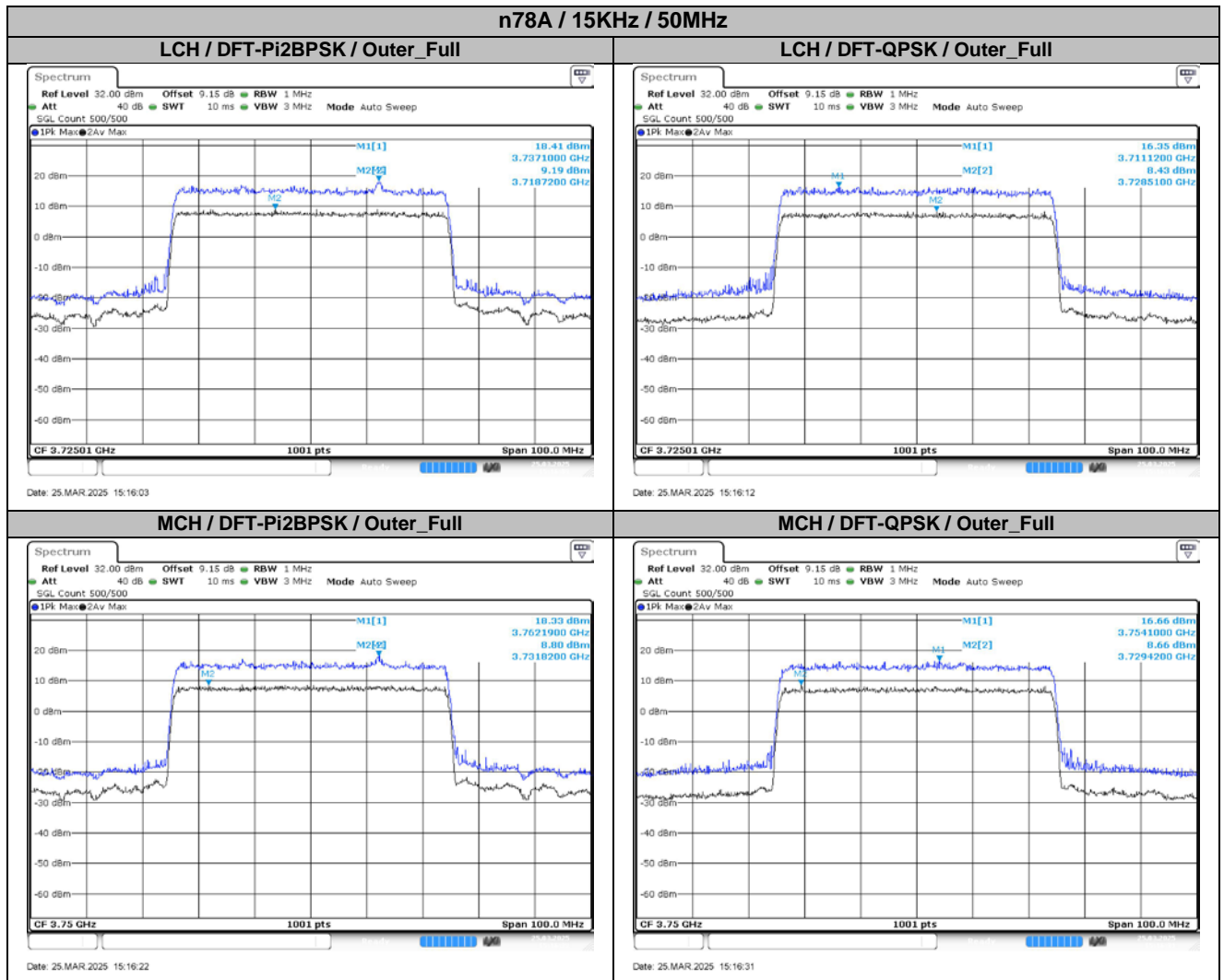
30KHz	90MHz	MCH	DFT-64QAM	19.71	20.26	20.93	18.53	30.00	Pass
30KHz	90MHz	MCH	DFT-256QAM	17.63	18.16	18.90	16.50	30.00	Pass
30KHz	90MHz	MCH	CP-QPSK	20.93	21.45	21.91	19.51	30.00	Pass
30KHz	90MHz	HCH	DFT-Pi2BPSK	22.41	22.92	23.40	21.00	30.00	Pass
30KHz	90MHz	HCH	DFT-QPSK	22.37	22.90	23.43	21.03	30.00	Pass
30KHz	90MHz	HCH	DFT-16QAM	21.36	21.84	22.43	20.03	30.00	Pass
30KHz	90MHz	HCH	DFT-64QAM	19.71	20.25	20.90	18.50	30.00	Pass
30KHz	90MHz	HCH	DFT-256QAM	17.64	18.12	18.88	16.48	30.00	Pass
30KHz	90MHz	HCH	CP-QPSK	20.92	21.39	21.82	19.42	30.00	Pass
30KHz	100MHz	MCH	DFT-Pi2BPSK	22.27	22.80	23.41	21.01	30.00	Pass
30KHz	100MHz	MCH	DFT-QPSK	22.24	22.81	23.40	21.00	30.00	Pass
30KHz	100MHz	MCH	DFT-16QAM	21.17	21.85	22.42	20.02	30.00	Pass
30KHz	100MHz	MCH	DFT-64QAM	19.62	20.25	20.91	18.51	30.00	Pass
30KHz	100MHz	MCH	DFT-256QAM	17.48	18.00	18.83	16.43	30.00	Pass
30KHz	100MHz	MCH	CP-QPSK	20.77	21.29	21.86	19.46	30.00	Pass

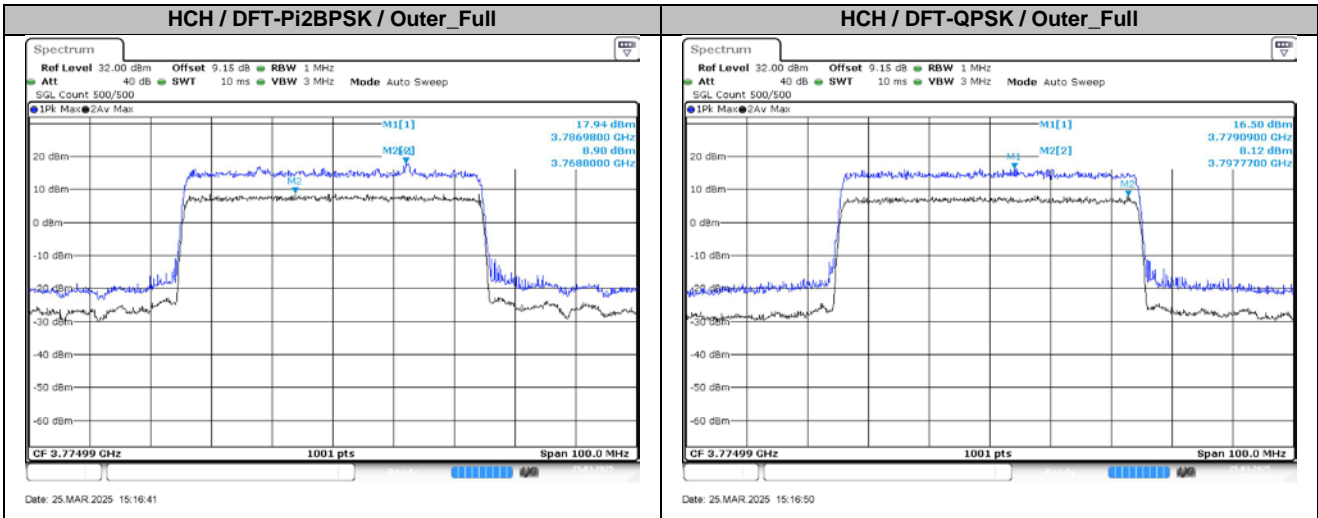
2. Peak-to-Average Ratio

2.1. Test Results

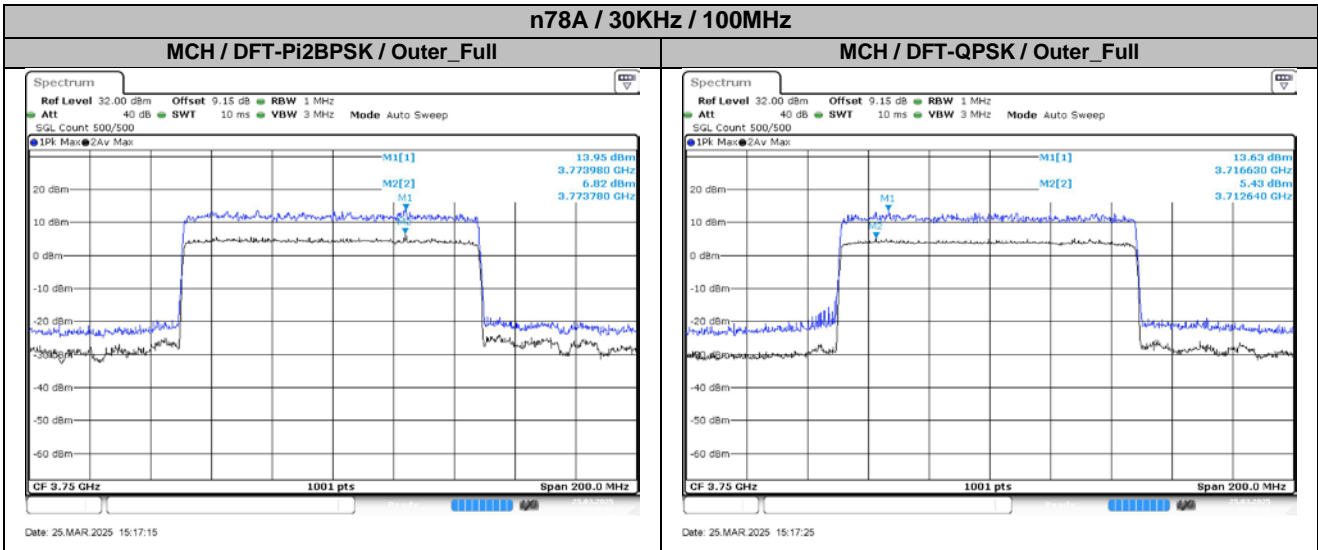
Channel	RB	Result (dB)				Limit (dB)	Verdict
		15KHz / 50MHz		30KHz / 100MHz			
		DFT-Pi2BPSK	DFT-QPSK	DFT-Pi2BPSK	DFT-QPSK		
LCH	Outer_Full	9.22	7.92	7.13	8.20	13.00	Pass
MCH	Outer_Full	9.53	8.01			13.00	Pass
HCH	Outer_Full	9.04	8.38			13.00	Pass

2.2. Test Plots for SCS=15KHz



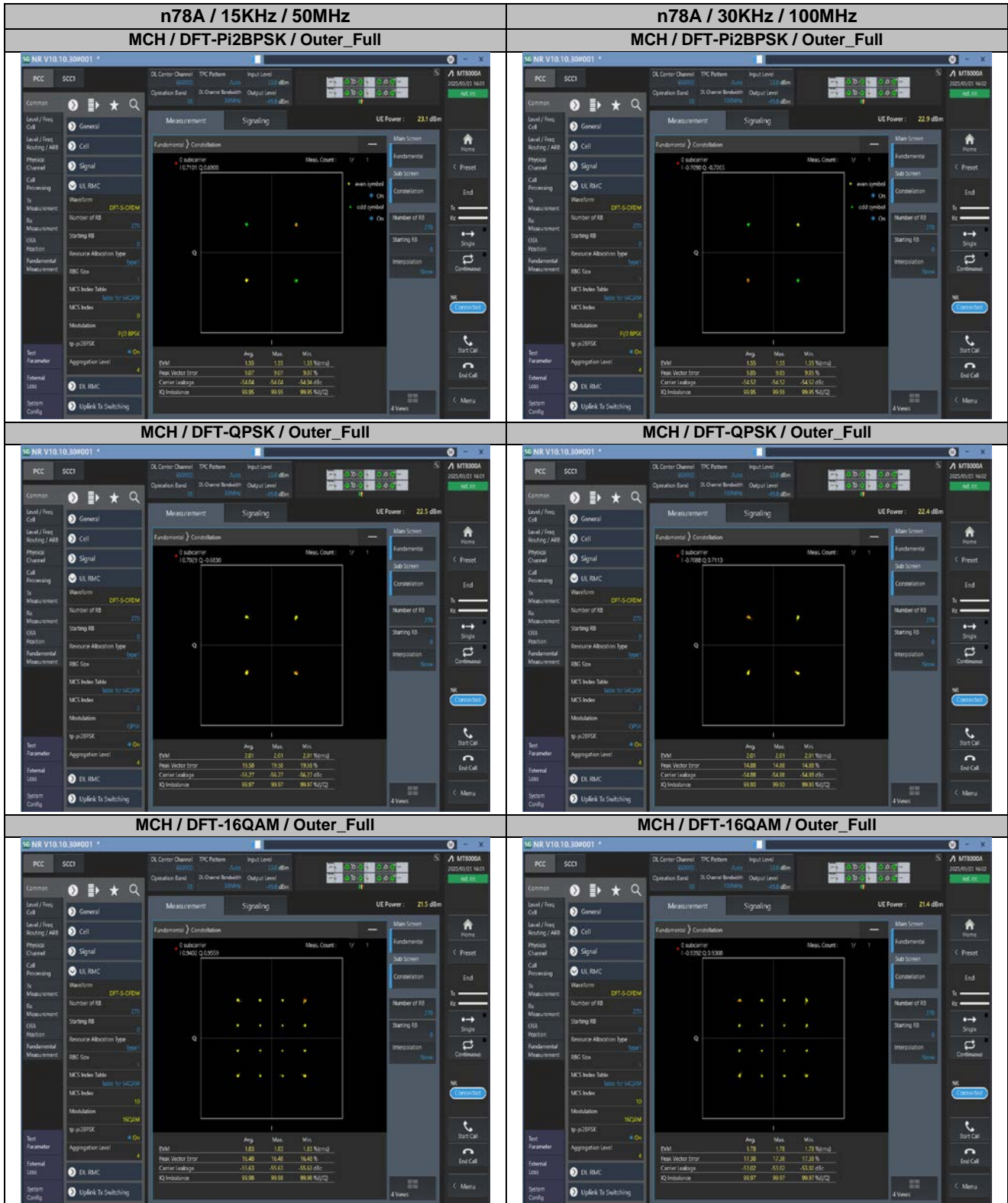


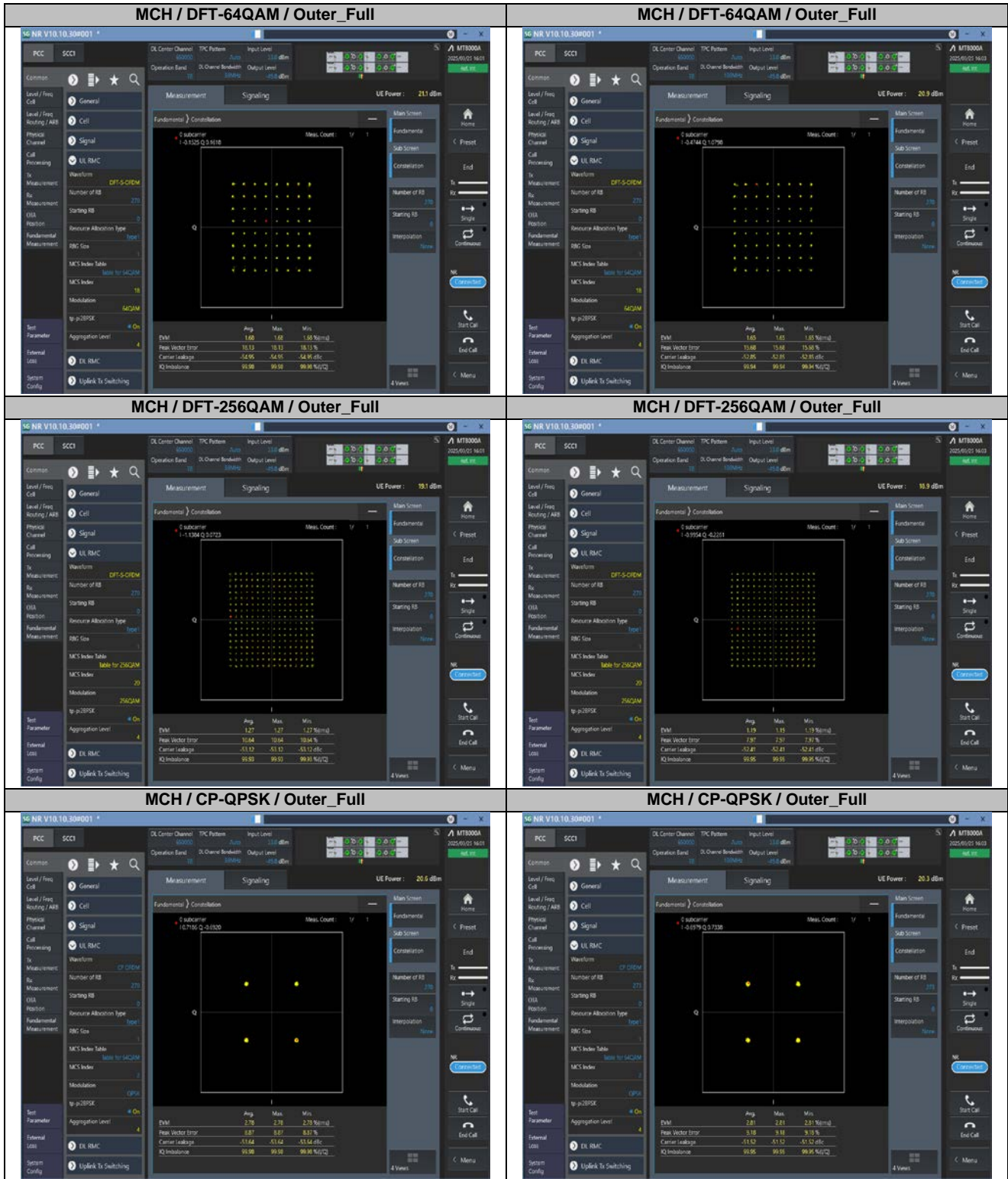
2.3. Test Plots for SCS=30KHz

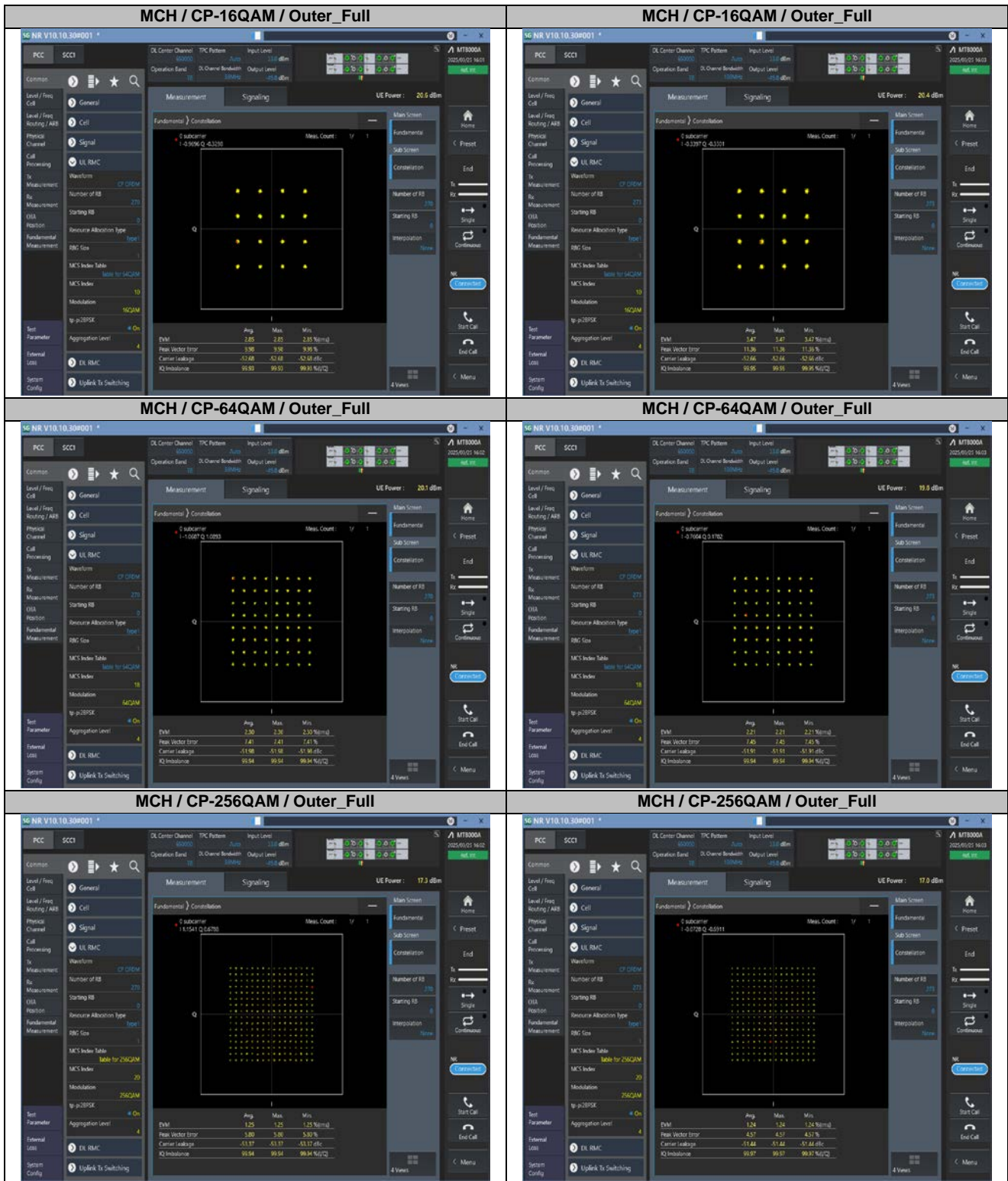


3. Modulation Characteristics

3.1. Test Plots







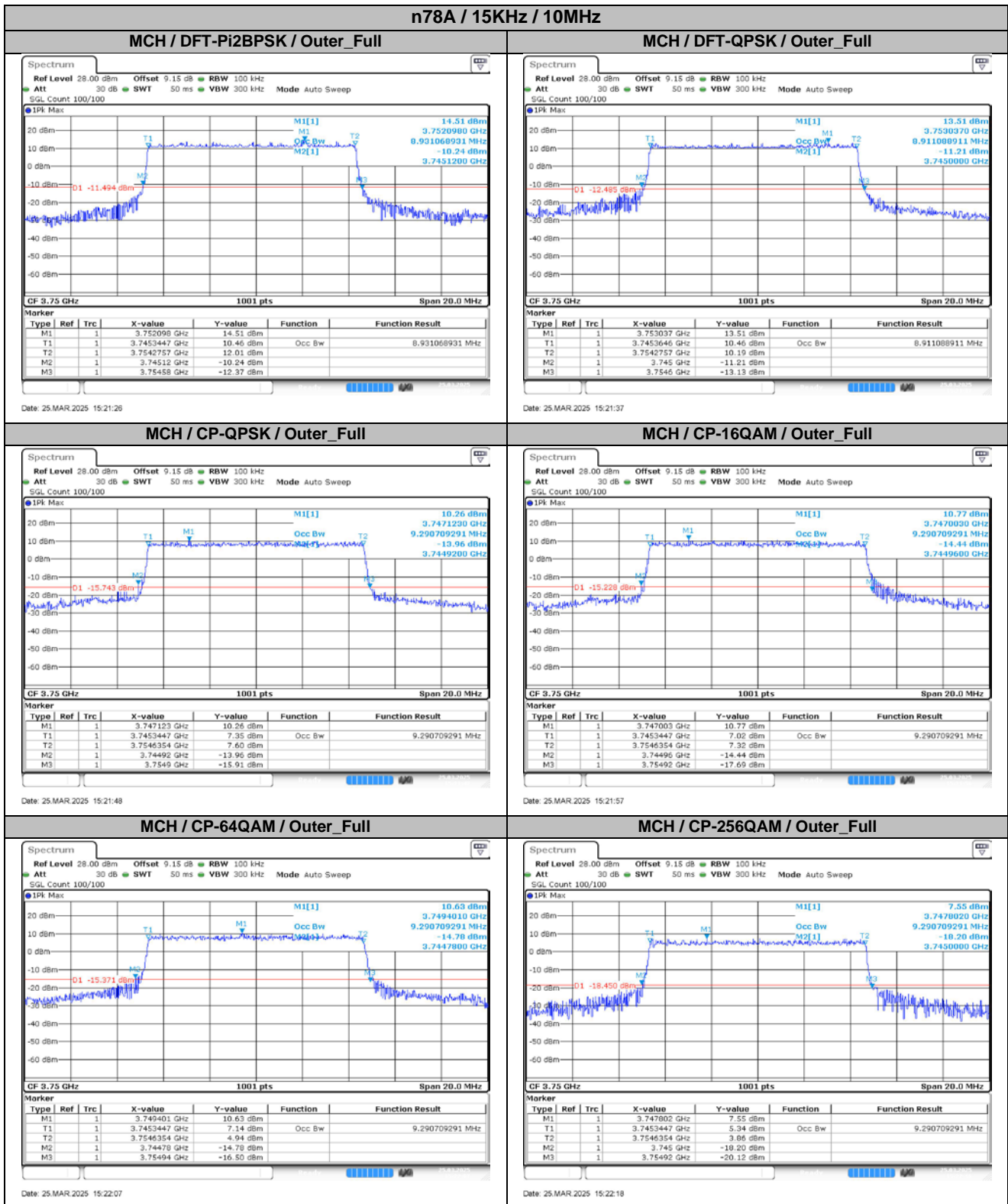
4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

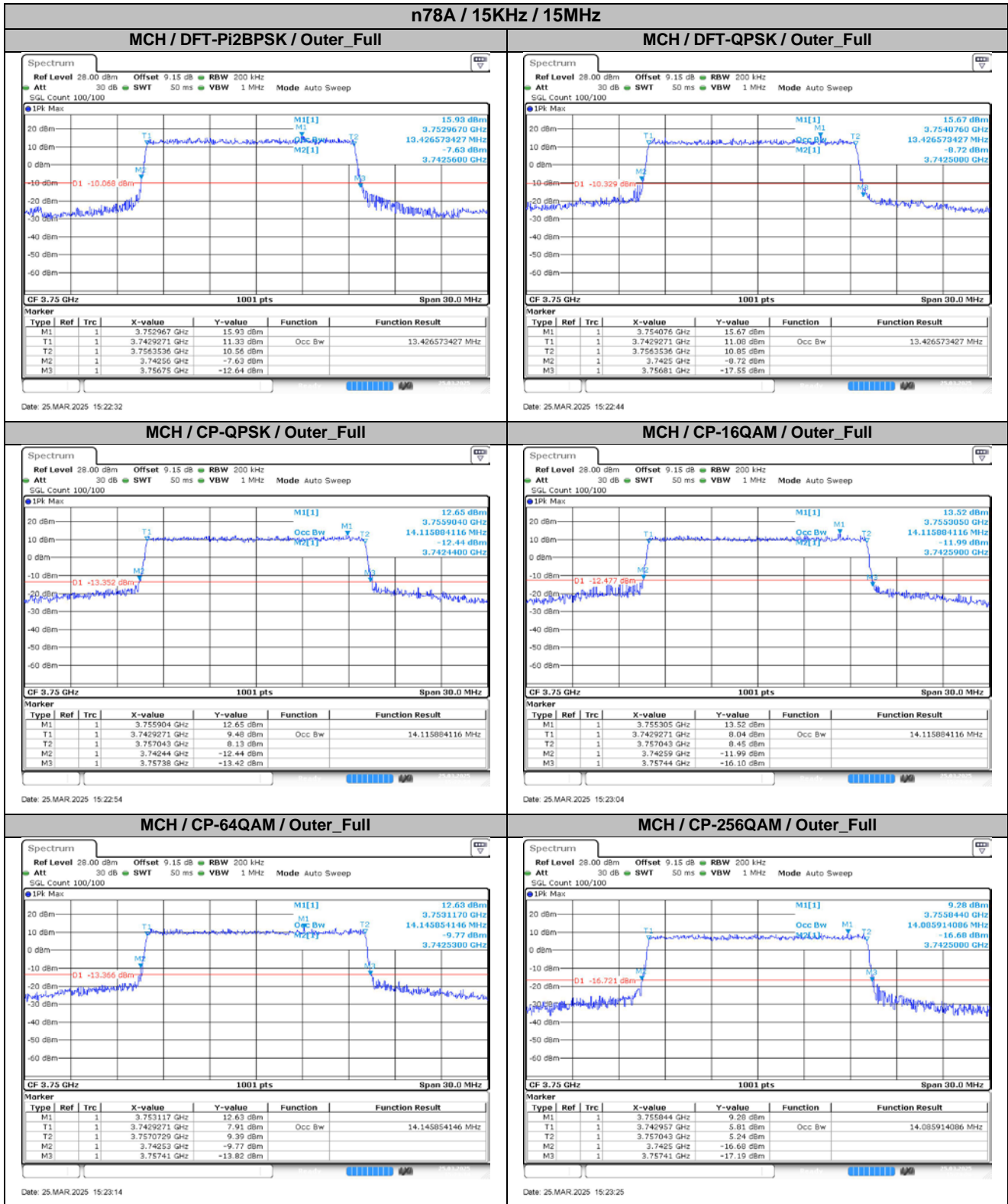
4.1. Test Results

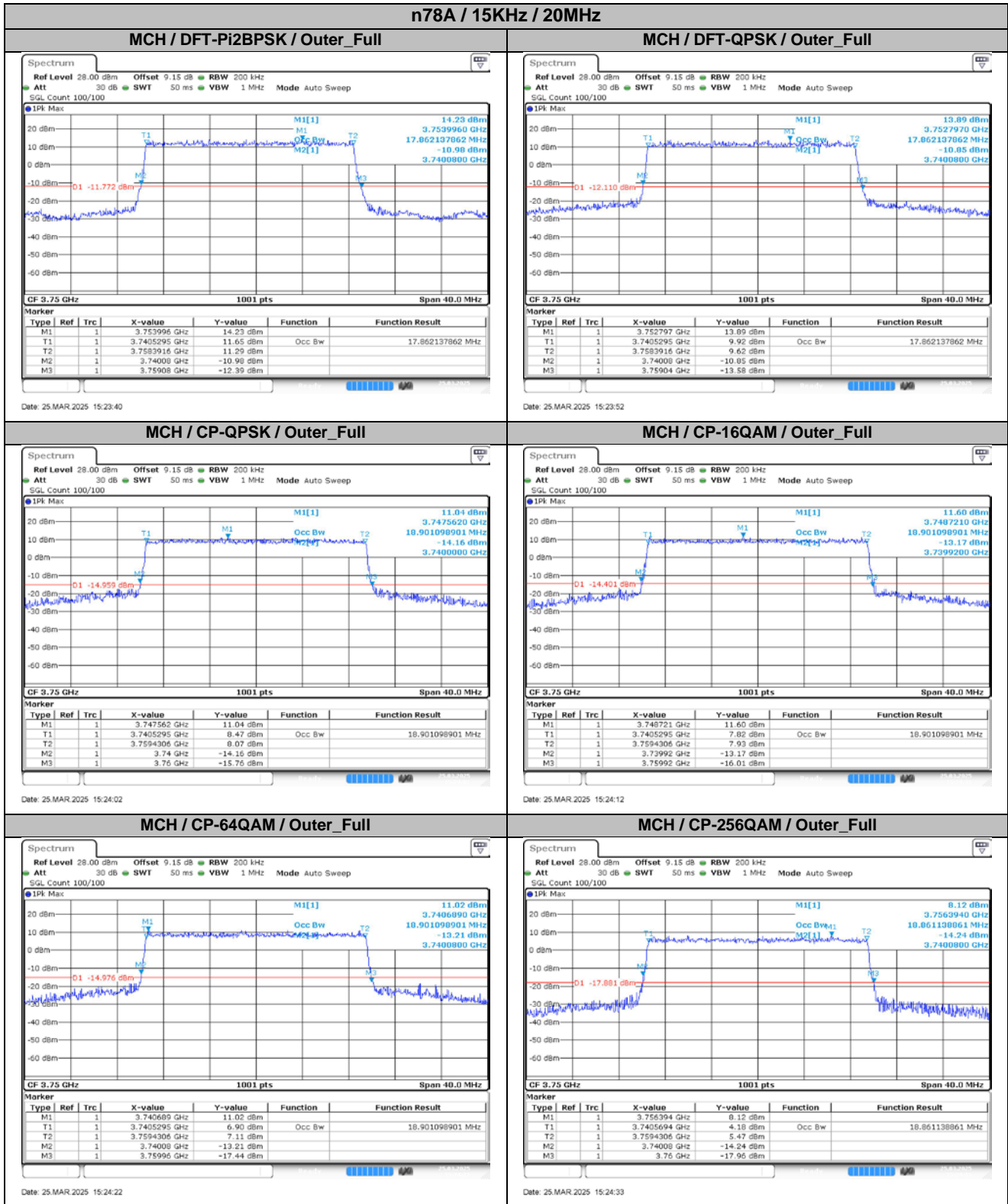
Bandwidth	Modulation	RB	99% Occupied Bandwidth (MHz)		26dB Emission Bandwidth (MHz)		Verdict
			15KHz	30KHz	15KHz	30KHz	
10MHz	DFT-Pi2BPSK	Outer_Full	8.93	8.61	9.46	9.44	Pass
10MHz	DFT-QPSK	Outer_Full	8.91	8.57	9.60	9.32	Pass
10MHz	CP-QPSK	Outer_Full	9.29	8.59	9.98	9.50	Pass
10MHz	CP-16QAM	Outer_Full	9.29	8.59	9.96	9.42	Pass
10MHz	CP-64QAM	Outer_Full	9.29	8.59	10.16	9.44	Pass
10MHz	CP-256QAM	Outer_Full	9.29	8.59	9.92	9.42	Pass
15MHz	DFT-Pi2BPSK	Outer_Full	13.43	12.89	14.19	14.07	Pass
15MHz	DFT-QPSK	Outer_Full	13.43	12.89	14.31	14.13	Pass
15MHz	CP-QPSK	Outer_Full	14.12	13.61	14.94	14.79	Pass
15MHz	CP-16QAM	Outer_Full	14.12	13.58	14.85	14.70	Pass
15MHz	CP-64QAM	Outer_Full	14.15	13.61	14.88	14.73	Pass
15MHz	CP-256QAM	Outer_Full	14.09	13.58	14.91	14.70	Pass
20MHz	DFT-Pi2BPSK	Outer_Full	17.86	17.86	19.00	19.16	Pass
20MHz	DFT-QPSK	Outer_Full	17.86	17.86	18.96	19.08	Pass
20MHz	CP-QPSK	Outer_Full	18.90	18.18	20.00	19.44	Pass
20MHz	CP-16QAM	Outer_Full	18.90	18.22	20.00	19.44	Pass
20MHz	CP-64QAM	Outer_Full	18.90	18.18	19.88	19.52	Pass
20MHz	CP-256QAM	Outer_Full	18.86	18.22	19.92	19.36	Pass
25MHz	DFT-Pi2BPSK	Outer_Full	22.88	22.88	24.05	24.35	Pass
25MHz	DFT-QPSK	Outer_Full	22.78	22.93	24.40	24.40	Pass
25MHz	CP-QPSK	Outer_Full	23.68	23.18	25.50	24.60	Pass
25MHz	CP-16QAM	Outer_Full	23.78	23.23	25.15	24.65	Pass
25MHz	CP-64QAM	Outer_Full	23.68	23.23	25.20	24.60	Pass
25MHz	CP-256QAM	Outer_Full	23.73	23.18	25.00	24.70	Pass
30MHz	DFT-Pi2BPSK	Outer_Full	28.53	26.73	29.88	28.38	Pass
30MHz	DFT-QPSK	Outer_Full	28.53	26.73	29.82	28.68	Pass
30MHz	CP-QPSK	Outer_Full	28.53	27.87	29.76	29.58	Pass
30MHz	CP-16QAM	Outer_Full	28.59	27.81	29.76	29.46	Pass
30MHz	CP-64QAM	Outer_Full	28.59	27.87	29.82	29.46	Pass
30MHz	CP-256QAM	Outer_Full	28.53	27.87	29.64	29.40	Pass
40MHz	DFT-Pi2BPSK	Outer_Full	38.52	35.72	40.16	37.92	Pass
40MHz	DFT-QPSK	Outer_Full	38.44	35.72	40.24	37.84	Pass
40MHz	CP-QPSK	Outer_Full	38.52	37.88	40.24	40.08	Pass
40MHz	CP-16QAM	Outer_Full	38.52	37.80	40.24	40.08	Pass
40MHz	CP-64QAM	Outer_Full	38.52	37.80	40.80	39.84	Pass
40MHz	CP-256QAM	Outer_Full	38.52	37.80	40.80	39.84	Pass
50MHz	DFT-Pi2BPSK	Outer_Full	48.15	45.75	50.00	48.30	Pass
50MHz	DFT-QPSK	Outer_Full	48.15	45.65	50.10	48.30	Pass
50MHz	CP-QPSK	Outer_Full	48.15	47.35	50.30	49.80	Pass
50MHz	CP-16QAM	Outer_Full	48.15	47.45	50.10	49.80	Pass
50MHz	CP-64QAM	Outer_Full	48.15	47.45	50.10	50.10	Pass
50MHz	CP-256QAM	Outer_Full	48.15	47.45	49.90	49.80	Pass
60MHz	DFT-Pi2BPSK	Outer_Full	N/A	57.90	N/A	60.84	Pass
60MHz	DFT-QPSK	Outer_Full	N/A	58.02	N/A	60.84	Pass
60MHz	CP-QPSK	Outer_Full	N/A	57.90	N/A	60.84	Pass
60MHz	CP-16QAM	Outer_Full	N/A	57.90	N/A	60.84	Pass
60MHz	CP-64QAM	Outer_Full	N/A	57.78	N/A	60.96	Pass
60MHz	CP-256QAM	Outer_Full	N/A	58.02	N/A	61.08	Pass
70MHz	DFT-Pi2BPSK	Outer_Full	N/A	64.48	N/A	69.16	Pass
70MHz	DFT-QPSK	Outer_Full	N/A	64.34	N/A	68.04	Pass
70MHz	CP-QPSK	Outer_Full	N/A	67.41	N/A	71.12	Pass
70MHz	CP-16QAM	Outer_Full	N/A	67.55	N/A	70.98	Pass
70MHz	CP-64QAM	Outer_Full	N/A	67.69	N/A	71.26	Pass
70MHz	CP-256QAM	Outer_Full	N/A	67.41	N/A	71.26	Pass
80MHz	DFT-Pi2BPSK	Outer_Full	N/A	77.04	N/A	80.32	Pass
80MHz	DFT-QPSK	Outer_Full	N/A	76.88	N/A	80.48	Pass
80MHz	CP-QPSK	Outer_Full	N/A	77.52	N/A	80.80	Pass

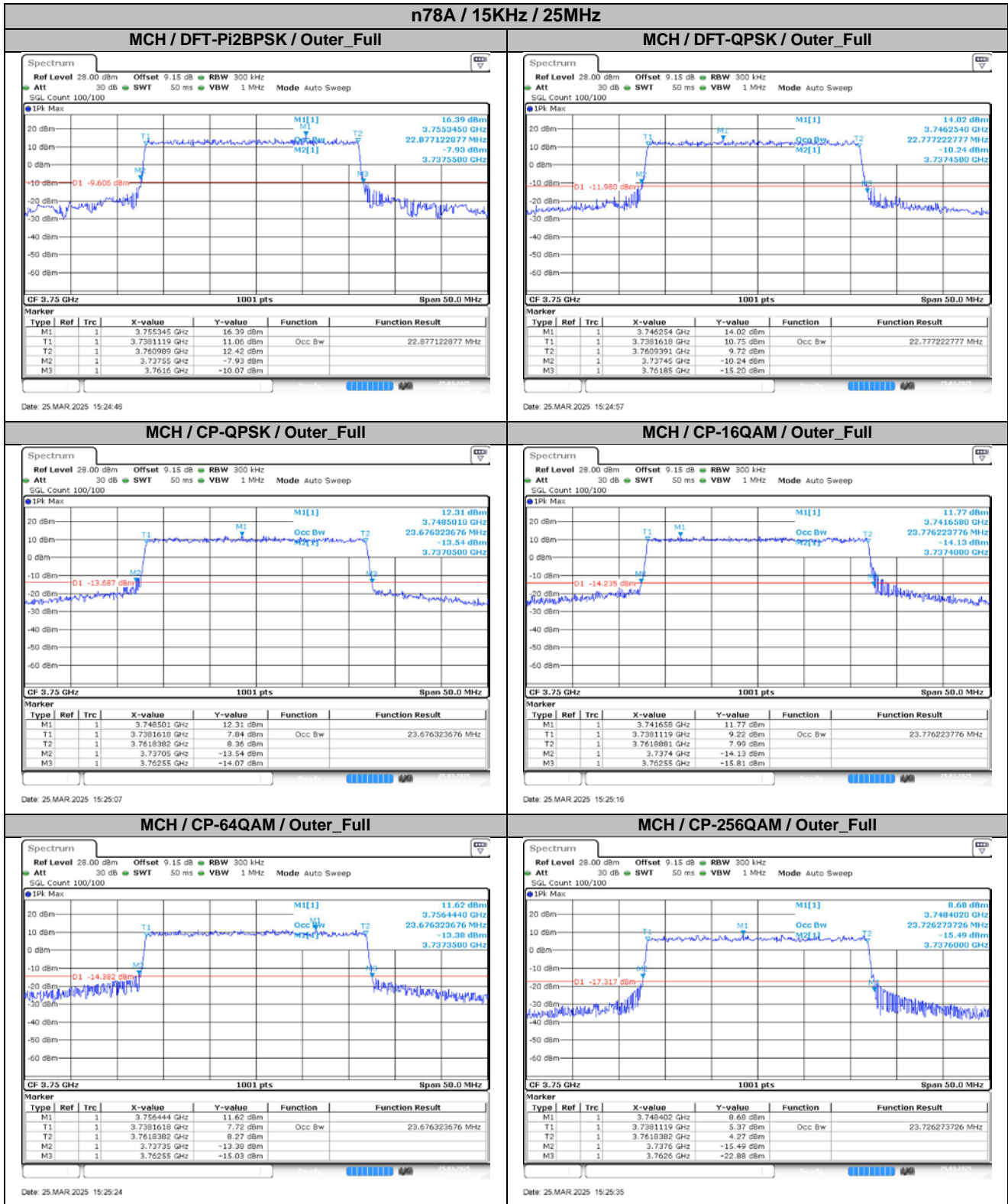
80MHz	CP-16QAM	Outer_Full	N/A	77.52	N/A	80.96	Pass
80MHz	CP-64QAM	Outer_Full	N/A	77.52	N/A	80.64	Pass
80MHz	CP-256QAM	Outer_Full	N/A	77.36	N/A	80.80	Pass
90MHz	DFT-Pi2BPSK	Outer_Full	N/A	86.49	N/A	90.54	Pass
90MHz	DFT-QPSK	Outer_Full	N/A	86.67	N/A	90.18	Pass
90MHz	CP-QPSK	Outer_Full	N/A	87.21	N/A	90.72	Pass
90MHz	CP-16QAM	Outer_Full	N/A	87.39	N/A	90.90	Pass
90MHz	CP-64QAM	Outer_Full	N/A	87.39	N/A	90.90	Pass
90MHz	CP-256QAM	Outer_Full	N/A	87.39	N/A	90.90	Pass
100MHz	DFT-Pi2BPSK	Outer_Full	N/A	96.30	N/A	100.00	Pass
100MHz	DFT-QPSK	Outer_Full	N/A	96.10	N/A	99.80	Pass
100MHz	CP-QPSK	Outer_Full	N/A	97.30	N/A	100.80	Pass
100MHz	CP-16QAM	Outer_Full	N/A	97.50	N/A	101.00	Pass
100MHz	CP-64QAM	Outer_Full	N/A	97.10	N/A	105.00	Pass
100MHz	CP-256QAM	Outer_Full	N/A	97.30	N/A	101.20	Pass

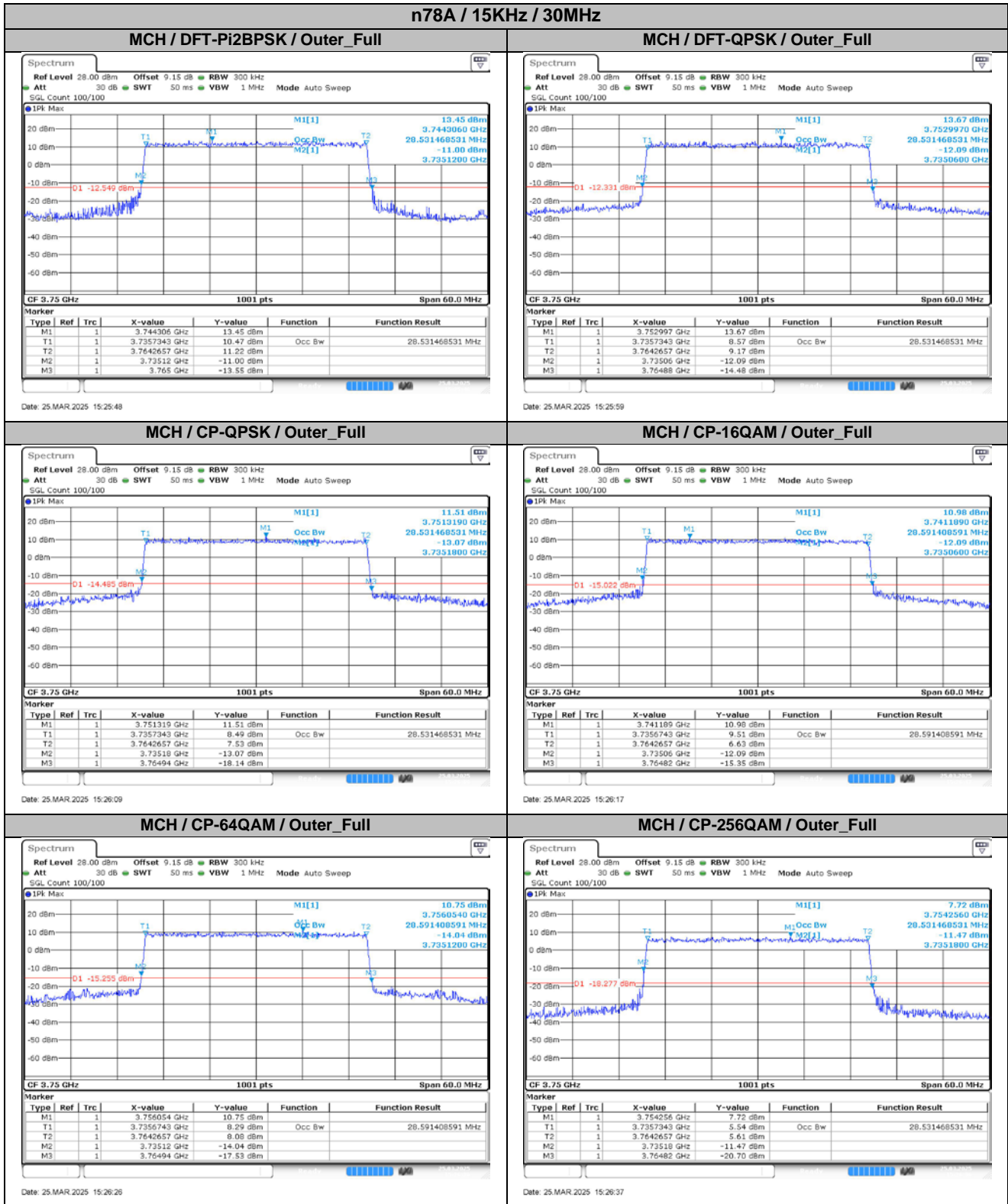
4.2. Test Plots for SCS=15KHz

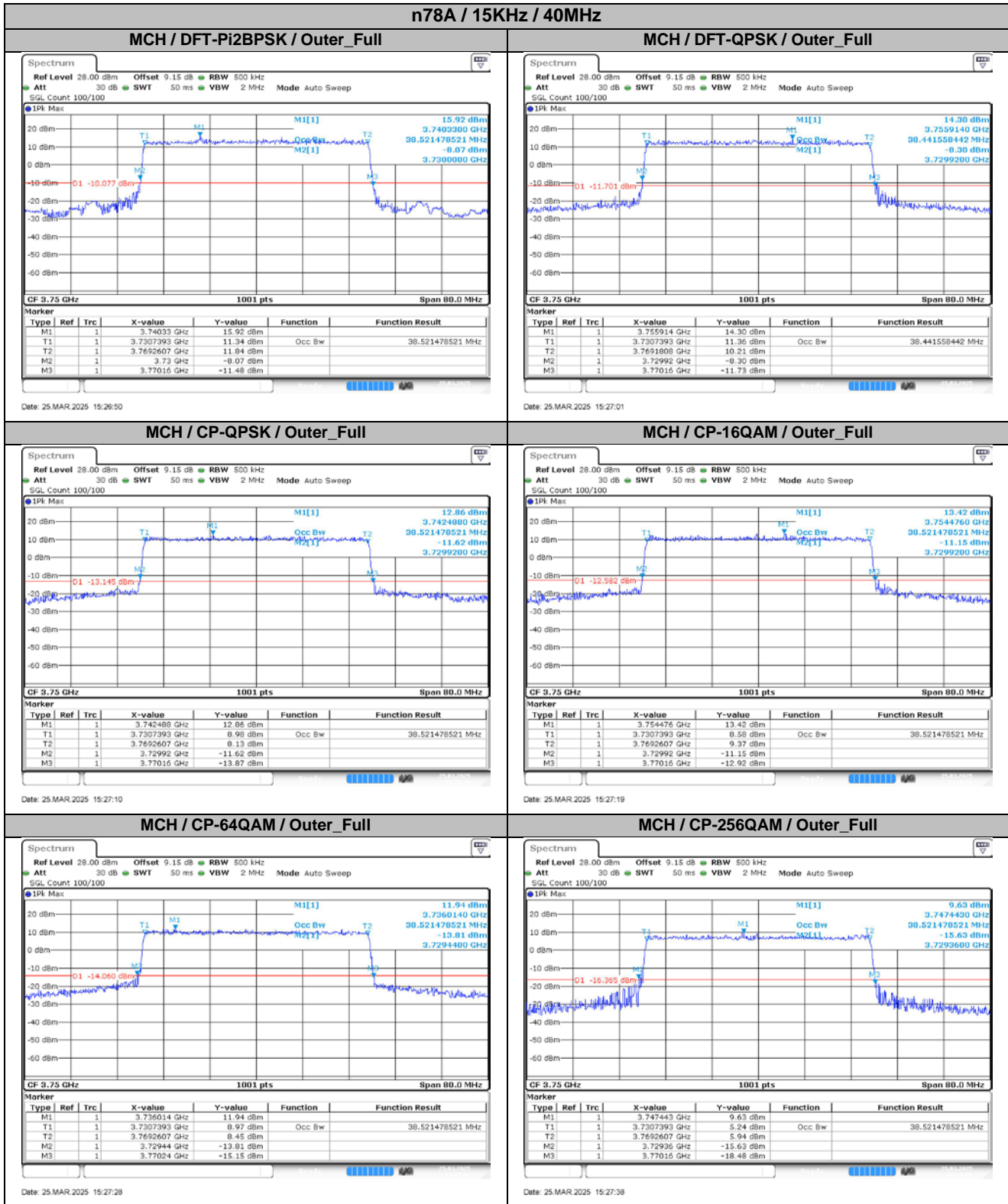






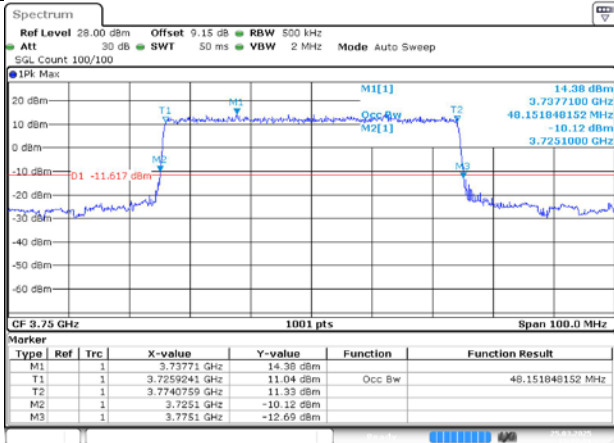






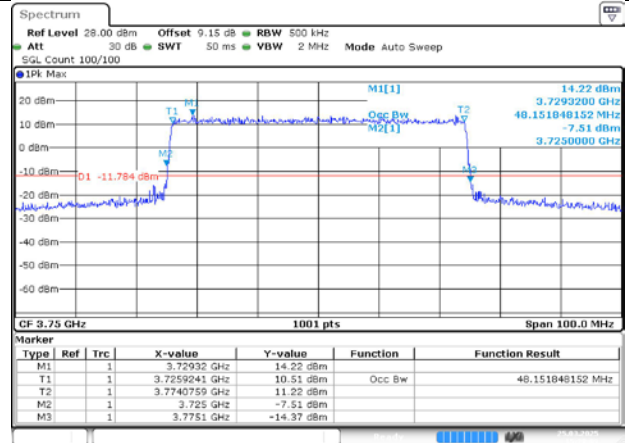
n78A / 15KHz / 50MHz

MCH / DFT-Pi2BPSK / Outer_Full



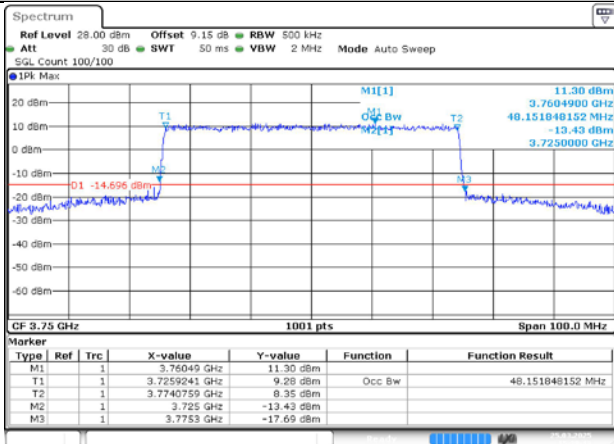
Date: 25.MAR.2025 15:27:52

MCH / DFT-QPSK / Outer_Full



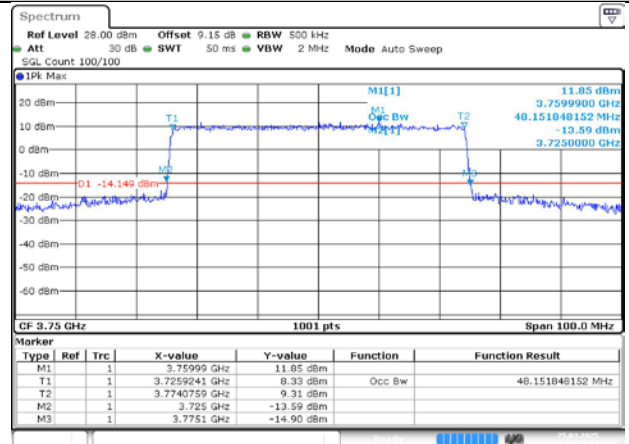
Date: 25.MAR.2025 15:28:03

MCH / CP-QPSK / Outer_Full



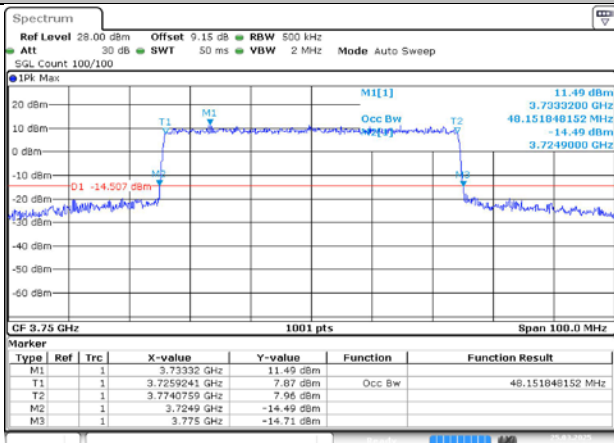
Date: 25.MAR.2025 15:28:12

MCH / CP-16QAM / Outer_Full



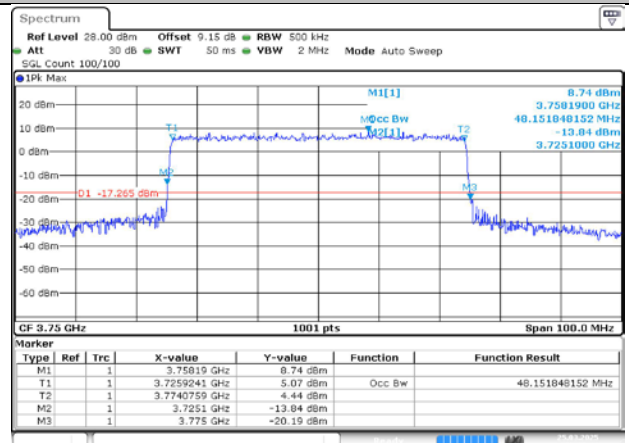
Date: 25.MAR.2025 15:28:21

MCH / CP-64QAM / Outer_Full



Date: 25.MAR.2025 15:28:31

MCH / CP-256QAM / Outer_Full



Date: 25.MAR.2025 15:28:41

4.3. Test Plots for SCS=30KHz

