

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

## Catalogue

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1. Effective Isotropic Radiated Power

1.1. Test Results @ Ant4 (Antenna Gain=-1.89dBi) + Ant6 (Antenna Gain=-2.96dBi)

SCS	Bandwidth	Channel	Modulation	Conducted Result (dBm)						Maximum (dBm)		Limit (dBm)	Verdict
				Inner_1RB_Left		Inner_1RB_Right		Inner_Full		SUM	EIRP		
				Ant4	Ant6	Ant4	Ant6	Ant4	Ant6				
15KHz	10MHz	LCH	CP-QPSK	18.44	18.56	18.33	18.73	18.56	18.51	21.55	19.25	30.00	Pass
15KHz	10MHz	LCH	CP-16QAM	17.73	17.81	17.61	17.90	18.10	17.92	21.02	18.64	30.00	Pass
15KHz	10MHz	LCH	CP-64QAM	16.62	16.41	16.54	16.54	16.65	16.75	19.71	17.31	30.00	Pass
15KHz	10MHz	LCH	CP-256QAM	13.99	13.56	13.94	13.68	13.53	13.59	16.82	14.47	30.00	Pass
15KHz	10MHz	MCH	CP-QPSK	18.77	18.57	18.69	18.58	18.56	18.64	21.68	19.33	30.00	Pass
15KHz	10MHz	MCH	CP-16QAM	18.13	17.95	18.01	18.06	18.07	18.11	21.10	18.74	30.00	Pass
15KHz	10MHz	MCH	CP-64QAM	16.70	16.10	16.55	16.14	16.57	16.43	19.51	17.20	30.00	Pass
15KHz	10MHz	MCH	CP-256QAM	13.69	13.40	13.55	13.43	13.03	13.37	16.56	14.20	30.00	Pass
15KHz	10MHz	HCH	CP-QPSK	18.76	18.82	18.78	19.10	18.71	18.77	21.95	19.54	30.00	Pass
15KHz	10MHz	HCH	CP-16QAM	18.25	18.13	18.06	18.48	17.97	18.06	21.29	18.97	30.00	Pass
15KHz	10MHz	HCH	CP-64QAM	16.80	16.85	16.72	17.17	16.56	16.57	19.96	17.58	30.00	Pass
15KHz	10MHz	HCH	CP-256QAM	13.44	13.60	13.33	13.85	13.65	13.29	16.61	14.36	30.00	Pass
15KHz	15MHz	LCH	CP-QPSK	18.78	18.67	19.01	18.71	18.55	18.51	21.87	19.50	30.00	Pass
15KHz	15MHz	LCH	CP-16QAM	17.99	18.21	18.21	18.32	18.06	18.03	21.28	18.88	30.00	Pass
15KHz	15MHz	LCH	CP-64QAM	16.21	16.15	16.40	16.31	16.57	16.53	19.56	17.17	30.00	Pass
15KHz	15MHz	LCH	CP-256QAM	13.50	13.73	13.67	13.80	13.77	13.52	16.75	14.40	30.00	Pass
15KHz	15MHz	MCH	CP-QPSK	18.61	18.08	18.49	18.02	18.48	18.52	21.51	19.19	30.00	Pass
15KHz	15MHz	MCH	CP-16QAM	18.04	18.10	17.89	18.22	18.08	18.07	21.09	18.76	30.00	Pass
15KHz	15MHz	MCH	CP-64QAM	16.74	16.10	16.65	16.07	16.34	16.45	19.44	17.23	30.00	Pass
15KHz	15MHz	MCH	CP-256QAM	14.26	13.41	14.18	13.42	13.61	13.38	16.87	14.53	30.00	Pass
15KHz	15MHz	HCH	CP-QPSK	19.03	18.30	19.24	18.36	18.54	18.58	21.83	19.58	30.00	Pass
15KHz	15MHz	HCH	CP-16QAM	18.10	17.93	18.31	18.14	17.98	18.08	21.24	18.85	30.00	Pass
15KHz	15MHz	HCH	CP-64QAM	16.77	16.30	16.94	16.48	16.70	16.58	19.73	17.40	30.00	Pass
15KHz	15MHz	HCH	CP-256QAM	12.79	13.79	13.08	14.02	13.54	13.54	16.59	14.38	30.00	Pass
15KHz	20MHz	LCH	CP-QPSK	18.53	18.49	18.82	18.63	18.61	18.56	21.74	19.36	30.00	Pass
15KHz	20MHz	LCH	CP-16QAM	17.85	17.70	18.11	17.88	18.28	17.96	21.13	18.76	30.00	Pass
15KHz	20MHz	LCH	CP-64QAM	16.62	16.54	16.84	16.70	16.58	16.47	19.78	17.40	30.00	Pass
15KHz	20MHz	LCH	CP-256QAM	13.81	13.39	14.07	13.58	13.71	13.55	16.84	14.48	30.00	Pass
15KHz	20MHz	MCH	CP-QPSK	18.81	18.53	18.60	18.58	18.67	18.45	21.68	19.33	30.00	Pass
15KHz	20MHz	MCH	CP-16QAM	18.50	18.01	18.25	18.03	18.01	17.98	21.27	18.92	30.00	Pass
15KHz	20MHz	MCH	CP-64QAM	16.36	16.37	16.09	16.36	16.64	16.56	19.61	17.22	30.00	Pass
15KHz	20MHz	MCH	CP-256QAM	13.46	13.35	13.22	13.37	13.51	13.44	16.49	14.10	30.00	Pass
15KHz	20MHz	HCH	CP-QPSK	18.39	18.87	18.72	18.72	18.47	18.54	21.73	19.40	30.00	Pass
15KHz	20MHz	HCH	CP-16QAM	18.26	18.44	18.53	18.37	18.01	18.15	21.46	19.11	30.00	Pass
15KHz	20MHz	HCH	CP-64QAM	16.59	16.64	16.90	16.57	16.60	16.65	19.75	17.41	30.00	Pass
15KHz	20MHz	HCH	CP-256QAM	13.51	13.63	13.76	13.48	13.61	13.64	16.64	14.33	30.00	Pass
15KHz	25MHz	LCH	CP-QPSK	18.47	18.55	18.64	18.61	18.60	18.46	21.64	19.25	30.00	Pass
15KHz	25MHz	LCH	CP-16QAM	18.07	18.17	18.21	18.22	18.11	17.99	21.23	18.83	30.00	Pass
15KHz	25MHz	LCH	CP-64QAM	16.52	16.33	16.64	16.35	16.52	16.58	19.56	17.23	30.00	Pass
15KHz	25MHz	LCH	CP-256QAM	13.40	13.84	13.53	13.85	13.54	13.50	16.70	14.30	30.00	Pass
15KHz	25MHz	MCH	CP-QPSK	18.69	18.47	18.60	18.39	18.48	18.48	21.59	19.22	30.00	Pass
15KHz	25MHz	MCH	CP-16QAM	17.85	17.95	17.84	17.87	18.05	17.98	21.03	18.64	30.00	Pass
15KHz	25MHz	MCH	CP-64QAM	16.75	16.23	16.70	16.21	16.52	16.45	19.51	17.24	30.00	Pass
15KHz	25MHz	MCH	CP-256QAM	14.00	13.36	13.94	13.36	13.68	13.50	16.70	14.41	30.00	Pass
15KHz	25MHz	HCH	CP-QPSK	18.29	18.64	18.38	18.64	18.67	18.57	21.63	19.28	30.00	Pass
15KHz	25MHz	HCH	CP-16QAM	18.13	17.87	18.26	18.01	18.02	18.08	21.15	18.80	30.00	Pass
15KHz	25MHz	HCH	CP-64QAM	16.71	16.49	16.79	16.60	16.49	16.61	19.71	17.33	30.00	Pass
15KHz	25MHz	HCH	CP-256QAM	13.47	13.70	13.58	13.79	13.62	13.55	16.70	14.31	30.00	Pass
15KHz	30MHz	LCH	CP-QPSK	18.80	18.43	19.17	18.76	18.68	18.59	21.98	19.61	30.00	Pass
15KHz	30MHz	LCH	CP-16QAM	17.95	18.01	18.33	18.32	18.23	18.04	21.34	18.94	30.00	Pass
15KHz	30MHz	LCH	CP-64QAM	16.59	16.13	17.01	16.50	16.65	16.57	19.77	17.44	30.00	Pass
15KHz	30MHz	LCH	CP-256QAM	13.65	13.14	14.03	13.51	13.73	13.62	16.79	14.47	30.00	Pass
15KHz	30MHz	MCH	CP-QPSK	18.79	18.48	18.72	18.36	18.64	18.53	21.65	19.30	30.00	Pass
15KHz	30MHz	MCH	CP-16QAM	18.18	17.93	18.15	17.85	18.20	18.05	21.14	18.75	30.00	Pass
15KHz	30MHz	MCH	CP-64QAM	16.22	16.49	16.20	16.48	16.69	16.52	19.62	17.23	30.00	Pass
15KHz	30MHz	MCH	CP-256QAM	13.43	13.48	13.38	13.46	13.66	13.54	16.61	14.23	30.00	Pass
15KHz	30MHz	HCH	CP-QPSK	18.37	18.47	18.73	18.82	18.64	18.62	21.79	19.39	30.00	Pass
15KHz	30MHz	HCH	CP-16QAM	17.90	17.81	18.24	18.16	18.00	18.20	21.21	18.84	30.00	Pass
15KHz	30MHz	HCH	CP-64QAM	16.44	16.40	16.86	16.77	16.64	16.53	19.83	17.44	30.00	Pass
15KHz	30MHz	HCH	CP-256QAM	13.35	13.18	13.66	13.48	13.55	13.52	16.58	14.22	30.00	Pass

15KHz	40MHz	LCH	CP-QPSK	18.52	18.47	18.63	18.64	18.68	18.68	21.69	19.30	30.00	Pass
15KHz	40MHz	LCH	CP-16QAM	18.10	17.68	18.28	17.81	18.12	18.08	21.11	18.81	30.00	Pass
15KHz	40MHz	LCH	CP-64QAM	16.27	16.13	16.47	16.33	16.80	16.59	19.71	17.33	30.00	Pass
15KHz	40MHz	LCH	CP-256QAM	13.47	13.39	13.61	13.54	13.91	13.54	16.74	14.37	30.00	Pass
15KHz	40MHz	MCH	CP-QPSK	18.57	18.49	18.53	18.40	18.62	18.49	21.57	19.18	30.00	Pass
15KHz	40MHz	MCH	CP-16QAM	18.18	17.95	18.10	18.00	18.18	18.03	21.12	18.73	30.00	Pass
15KHz	40MHz	MCH	CP-64QAM	16.77	16.27	16.68	16.23	16.66	16.51	19.60	17.28	30.00	Pass
15KHz	40MHz	MCH	CP-256QAM	14.01	13.39	13.95	13.36	13.67	13.48	16.72	14.40	30.00	Pass
15KHz	40MHz	HCH	CP-QPSK	18.50	18.28	18.62	18.52	18.66	18.57	21.63	19.24	30.00	Pass
15KHz	40MHz	HCH	CP-16QAM	18.21	17.61	18.34	17.79	18.05	18.06	21.08	18.84	30.00	Pass
15KHz	40MHz	HCH	CP-64QAM	16.67	16.42	16.82	16.58	16.52	16.57	19.71	17.33	30.00	Pass
15KHz	40MHz	HCH	CP-256QAM	13.40	13.60	13.51	13.76	13.64	13.46	16.65	14.31	30.00	Pass
15KHz	50MHz	LCH	CP-QPSK	18.54	18.27	18.68	18.37	18.68	18.63	21.67	19.28	30.00	Pass
15KHz	50MHz	LCH	CP-16QAM	17.86	17.86	18.05	17.92	18.21	18.08	21.16	18.77	30.00	Pass
15KHz	50MHz	LCH	CP-64QAM	16.46	16.33	16.66	16.51	16.76	16.53	19.66	17.28	30.00	Pass
15KHz	50MHz	LCH	CP-256QAM	13.79	13.19	13.94	13.33	13.81	13.57	16.70	14.40	30.00	Pass
15KHz	50MHz	MCH	CP-QPSK	18.68	18.38	18.56	18.34	18.69	18.63	21.67	19.28	30.00	Pass
15KHz	50MHz	MCH	CP-16QAM	18.15	17.91	18.03	17.85	18.04	18.09	21.08	18.74	30.00	Pass
15KHz	50MHz	MCH	CP-64QAM	16.40	16.29	16.29	16.30	16.75	16.58	19.68	17.29	30.00	Pass
15KHz	50MHz	MCH	CP-256QAM	13.43	13.48	13.25	13.47	13.72	13.61	16.68	14.29	30.00	Pass
15KHz	50MHz	HCH	CP-QPSK	18.63	18.46	18.61	18.71	18.60	18.56	21.67	19.28	30.00	Pass
15KHz	50MHz	HCH	CP-16QAM	18.05	17.98	18.13	18.19	18.14	18.15	21.17	18.78	30.00	Pass
15KHz	50MHz	HCH	CP-64QAM	16.72	16.48	16.77	16.66	16.65	16.55	19.73	17.34	30.00	Pass
15KHz	50MHz	HCH	CP-256QAM	13.44	13.22	13.50	13.42	13.68	13.49	16.60	14.22	30.00	Pass
30KHz	10MHz	LCH	CP-QPSK	18.69	18.56	18.75	18.62	18.44	18.62	21.70	19.31	30.00	Pass
30KHz	10MHz	LCH	CP-16QAM	17.73	17.84	17.83	17.92	18.15	18.06	21.12	18.73	30.00	Pass
30KHz	10MHz	LCH	CP-64QAM	16.23	16.85	16.28	16.97	16.52	16.49	19.65	17.34	30.00	Pass
30KHz	10MHz	LCH	CP-256QAM	13.81	13.76	13.89	13.84	13.62	13.47	16.88	14.49	30.00	Pass
30KHz	10MHz	MCH	CP-QPSK	18.58	18.71	18.33	18.66	18.58	18.63	21.66	19.26	30.00	Pass
30KHz	10MHz	MCH	CP-16QAM	18.10	18.42	17.77	18.46	18.16	17.96	21.27	18.91	30.00	Pass
30KHz	10MHz	MCH	CP-64QAM	16.92	16.71	16.70	16.75	16.80	16.81	19.83	17.49	30.00	Pass
30KHz	10MHz	MCH	CP-256QAM	14.19	13.52	13.97	13.54	13.58	13.64	16.88	14.58	30.00	Pass
30KHz	10MHz	HCH	CP-QPSK	18.89	18.80	18.88	18.78	18.51	18.68	21.86	19.47	30.00	Pass
30KHz	10MHz	HCH	CP-16QAM	18.12	18.20	18.20	18.22	18.05	18.22	21.22	18.83	30.00	Pass
30KHz	10MHz	HCH	CP-64QAM	16.73	16.28	16.63	16.41	16.63	16.58	19.62	17.28	30.00	Pass
30KHz	10MHz	HCH	CP-256QAM	13.71	13.57	13.81	13.70	13.14	13.27	16.77	14.38	30.00	Pass
30KHz	15MHz	LCH	CP-QPSK	18.49	18.34	18.59	18.52	18.46	18.70	21.59	19.26	30.00	Pass
30KHz	15MHz	LCH	CP-16QAM	18.17	18.18	18.23	18.22	18.06	18.01	21.24	18.84	30.00	Pass
30KHz	15MHz	LCH	CP-64QAM	16.31	16.30	16.35	16.37	16.69	16.52	19.62	17.23	30.00	Pass
30KHz	15MHz	LCH	CP-256QAM	13.12	13.44	13.20	13.58	13.61	13.46	16.55	14.22	30.00	Pass
30KHz	15MHz	MCH	CP-QPSK	18.91	18.65	18.89	18.72	18.64	18.55	21.82	19.45	30.00	Pass
30KHz	15MHz	MCH	CP-16QAM	18.12	18.32	18.12	18.36	18.11	18.11	21.25	18.85	30.00	Pass
30KHz	15MHz	MCH	CP-64QAM	16.39	16.29	16.38	16.31	16.60	16.57	19.60	17.21	30.00	Pass
30KHz	15MHz	MCH	CP-256QAM	13.65	13.77	13.61	13.74	13.78	13.58	16.72	14.39	30.00	Pass
30KHz	15MHz	HCH	CP-QPSK	18.58	18.17	18.68	18.15	18.55	18.76	21.67	19.33	30.00	Pass
30KHz	15MHz	HCH	CP-16QAM	17.99	18.28	18.09	18.33	18.18	18.27	21.24	18.86	30.00	Pass
30KHz	15MHz	HCH	CP-64QAM	16.70	16.21	16.76	16.22	16.36	16.69	19.54	17.35	30.00	Pass
30KHz	15MHz	HCH	CP-256QAM	14.28	13.60	14.36	13.54	13.66	13.59	16.98	14.66	30.00	Pass
30KHz	20MHz	LCH	CP-QPSK	18.32	18.65	18.42	18.82	18.46	18.59	21.63	19.24	30.00	Pass
30KHz	20MHz	LCH	CP-16QAM	17.70	17.72	17.82	17.83	18.02	18.02	21.03	18.64	30.00	Pass
30KHz	20MHz	LCH	CP-64QAM	16.23	16.63	16.38	16.79	16.63	16.61	19.63	17.32	30.00	Pass
30KHz	20MHz	LCH	CP-256QAM	13.75	13.30	13.85	13.39	13.71	13.46	16.64	14.30	30.00	Pass
30KHz	20MHz	MCH	CP-QPSK	18.68	18.56	18.67	18.65	18.63	18.59	21.67	19.29	30.00	Pass
30KHz	20MHz	MCH	CP-16QAM	17.97	17.77	17.97	17.85	18.24	17.96	21.11	18.74	30.00	Pass
30KHz	20MHz	MCH	CP-64QAM	16.70	16.60	16.70	16.76	16.64	16.49	19.74	17.34	30.00	Pass
30KHz	20MHz	MCH	CP-256QAM	13.88	13.44	13.88	13.57	13.68	13.60	16.74	14.38	30.00	Pass
30KHz	20MHz	HCH	CP-QPSK	18.65	18.71	18.69	18.77	18.68	18.57	21.74	19.34	30.00	Pass
30KHz	20MHz	HCH	CP-16QAM	18.34	18.07	18.33	18.28	18.01	18.07	21.32	18.93	30.00	Pass
30KHz	20MHz	HCH	CP-64QAM	16.19	16.41	16.19	16.62	16.59	16.68	19.65	17.25	30.00	Pass
30KHz	20MHz	HCH	CP-256QAM	13.28	13.43	13.29	13.68	13.56	13.53	16.56	14.23	30.00	Pass
30KHz	25MHz	LCH	CP-QPSK	18.51	18.29	18.74	18.48	18.56	18.61	21.62	19.30	30.00	Pass
30KHz	25MHz	LCH	CP-16QAM	18.11	17.91	18.34	18.08	18.19	18.01	21.22	18.85	30.00	Pass
30KHz	25MHz	LCH	CP-64QAM	16.67	16.77	16.91	16.91	16.78	16.57	19.92	17.53	30.00	Pass
30KHz	25MHz	LCH	CP-256QAM	13.59	13.31	13.80	13.38	13.62	13.50	16.61	14.29	30.00	Pass
30KHz	25MHz	MCH	CP-QPSK	18.64	18.67	18.47	18.57	18.60	18.50	21.67	19.27	30.00	Pass
30KHz	25MHz	MCH	CP-16QAM	18.27	18.29	18.08	18.15	18.14	18.08	21.29	18.90	30.00	Pass

30KHz	25MHz	MCH	CP-64QAM	16.65	16.43	16.48	16.29	16.55	16.60	19.59	17.25	30.00	Pass
30KHz	25MHz	MCH	CP-256QAM	13.59	13.84	13.40	13.78	13.57	13.51	16.73	14.32	30.00	Pass
30KHz	25MHz	HCH	CP-QPSK	18.62	18.49	18.70	18.64	18.49	18.55	21.68	19.29	30.00	Pass
30KHz	25MHz	HCH	CP-16QAM	17.83	18.02	17.89	18.15	18.00	18.01	21.03	18.68	30.00	Pass
30KHz	25MHz	HCH	CP-64QAM	16.67	16.28	16.75	16.44	16.41	16.47	19.61	17.25	30.00	Pass
30KHz	25MHz	HCH	CP-256QAM	13.94	13.43	14.08	13.61	13.63	13.52	16.86	14.50	30.00	Pass
30KHz	30MHz	LCH	CP-QPSK	18.30	18.63	18.75	18.88	18.70	18.55	21.83	19.43	30.00	Pass
30KHz	30MHz	LCH	CP-16QAM	18.09	17.81	18.47	18.04	18.15	18.10	21.27	18.93	30.00	Pass
30KHz	30MHz	LCH	CP-64QAM	16.41	16.48	16.83	16.71	16.77	16.57	19.78	17.40	30.00	Pass
30KHz	30MHz	LCH	CP-256QAM	13.52	13.19	13.95	13.40	13.69	13.54	16.69	14.39	30.00	Pass
30KHz	30MHz	MCH	CP-QPSK	19.01	18.51	18.99	18.61	18.69	18.59	21.81	19.46	30.00	Pass
30KHz	30MHz	MCH	CP-16QAM	18.12	18.14	18.13	18.19	18.25	18.14	21.21	18.84	30.00	Pass
30KHz	30MHz	MCH	CP-64QAM	16.79	16.28	16.85	16.38	16.66	16.60	19.64	17.36	30.00	Pass
30KHz	30MHz	MCH	CP-256QAM	13.83	13.29	13.85	13.42	13.74	13.54	16.65	14.33	30.00	Pass
30KHz	30MHz	HCH	CP-QPSK	18.57	18.36	18.64	18.57	18.51	18.56	21.62	19.23	30.00	Pass
30KHz	30MHz	HCH	CP-16QAM	18.02	17.79	18.09	17.95	18.07	18.06	21.08	18.70	30.00	Pass
30KHz	30MHz	HCH	CP-64QAM	16.02	16.36	16.10	16.54	16.62	16.58	19.61	17.22	30.00	Pass
30KHz	30MHz	HCH	CP-256QAM	13.22	13.39	13.34	13.60	13.55	13.55	16.56	14.19	30.00	Pass
30KHz	40MHz	LCH	CP-QPSK	18.63	18.40	18.81	18.54	18.71	18.57	21.69	19.32	30.00	Pass
30KHz	40MHz	LCH	CP-16QAM	18.06	18.05	18.26	18.24	18.21	18.18	21.26	18.87	30.00	Pass
30KHz	40MHz	LCH	CP-64QAM	16.75	16.67	16.97	16.81	16.68	16.61	19.90	17.52	30.00	Pass
30KHz	40MHz	LCH	CP-256QAM	13.70	13.26	13.94	13.33	13.70	13.53	16.66	14.38	30.00	Pass
30KHz	40MHz	MCH	CP-QPSK	18.71	18.61	18.50	18.55	18.64	18.64	21.67	19.30	30.00	Pass
30KHz	40MHz	MCH	CP-16QAM	18.36	17.77	18.20	17.80	18.06	18.04	21.09	18.84	30.00	Pass
30KHz	40MHz	MCH	CP-64QAM	16.46	16.32	16.31	16.36	16.77	16.58	19.69	17.31	30.00	Pass
30KHz	40MHz	MCH	CP-256QAM	13.58	13.56	13.48	13.61	13.85	13.56	16.72	14.36	30.00	Pass
30KHz	40MHz	HCH	CP-QPSK	18.43	18.34	18.58	18.56	18.62	18.59	21.62	19.23	30.00	Pass
30KHz	40MHz	HCH	CP-16QAM	18.04	17.88	18.15	18.12	18.13	18.06	21.15	18.76	30.00	Pass
30KHz	40MHz	HCH	CP-64QAM	16.58	16.17	16.73	16.39	16.59	16.54	19.58	17.27	30.00	Pass
30KHz	40MHz	HCH	CP-256QAM	13.86	13.31	14.02	13.54	13.61	13.55	16.80	14.44	30.00	Pass
30KHz	50MHz	LCH	CP-QPSK	18.45	18.42	18.60	18.55	18.72	18.57	21.66	19.27	30.00	Pass
30KHz	50MHz	LCH	CP-16QAM	18.05	17.77	18.19	17.92	18.29	18.12	21.22	18.83	30.00	Pass
30KHz	50MHz	LCH	CP-64QAM	16.36	16.44	16.46	16.63	16.81	16.63	19.73	17.35	30.00	Pass
30KHz	50MHz	LCH	CP-256QAM	13.62	13.31	13.67	13.41	13.80	13.56	16.69	14.31	30.00	Pass
30KHz	50MHz	MCH	CP-QPSK	18.76	18.43	18.56	18.43	18.62	18.61	21.63	19.31	30.00	Pass
30KHz	50MHz	MCH	CP-16QAM	18.06	18.01	17.94	17.99	18.15	18.09	21.13	18.74	30.00	Pass
30KHz	50MHz	MCH	CP-64QAM	16.69	16.50	16.57	16.54	16.71	16.48	19.61	17.25	30.00	Pass
30KHz	50MHz	MCH	CP-256QAM	13.99	13.36	13.86	13.35	13.72	13.58	16.70	14.43	30.00	Pass
30KHz	50MHz	HCH	CP-QPSK	18.61	18.31	18.61	18.50	18.56	18.48	21.57	19.18	30.00	Pass
30KHz	50MHz	HCH	CP-16QAM	18.08	17.84	18.17	18.00	18.01	18.00	21.10	18.71	30.00	Pass
30KHz	50MHz	HCH	CP-64QAM	16.35	16.24	16.41	16.37	16.65	16.51	19.59	17.21	30.00	Pass
30KHz	50MHz	HCH	CP-256QAM	13.35	13.49	13.45	13.61	13.74	13.52	16.64	14.30	30.00	Pass
30KHz	60MHz	LCH	CP-QPSK	18.39	18.22	18.48	18.35	18.69	18.52	21.62	19.23	30.00	Pass
30KHz	60MHz	LCH	CP-16QAM	18.02	17.84	18.08	17.99	18.19	18.06	21.14	18.75	30.00	Pass
30KHz	60MHz	LCH	CP-64QAM	16.59	16.61	16.68	16.68	16.71	16.59	19.69	17.32	30.00	Pass
30KHz	60MHz	LCH	CP-256QAM	13.38	13.23	13.53	13.33	13.69	13.73	16.72	14.33	30.00	Pass
30KHz	60MHz	MCH	CP-QPSK	18.52	18.40	18.44	18.40	18.67	18.52	21.61	19.22	30.00	Pass
30KHz	60MHz	MCH	CP-16QAM	18.03	17.82	17.98	17.84	18.14	17.98	21.07	18.69	30.00	Pass
30KHz	60MHz	MCH	CP-64QAM	16.38	16.32	16.33	16.40	16.65	16.52	19.60	17.21	30.00	Pass
30KHz	60MHz	MCH	CP-256QAM	13.46	13.45	13.42	13.46	13.71	13.55	16.64	14.26	30.00	Pass
30KHz	60MHz	HCH	CP-QPSK	18.63	18.26	18.58	18.46	18.51	18.49	21.53	19.19	30.00	Pass
30KHz	60MHz	HCH	CP-16QAM	18.16	17.94	18.15	18.13	18.04	18.02	21.15	18.77	30.00	Pass
30KHz	60MHz	HCH	CP-64QAM	16.58	16.22	16.56	16.44	16.60	16.59	19.61	17.21	30.00	Pass
30KHz	60MHz	HCH	CP-256QAM	13.81	13.16	13.82	13.36	13.71	13.55	16.64	14.32	30.00	Pass
30KHz	70MHz	LCH	CP-QPSK	18.58	18.44	18.53	18.61	18.78	18.54	21.67	19.32	30.00	Pass
30KHz	70MHz	LCH	CP-16QAM	18.16	17.77	18.11	17.92	18.27	18.10	21.20	18.81	30.00	Pass
30KHz	70MHz	LCH	CP-64QAM	16.40	16.47	16.38	16.63	16.79	16.65	19.73	17.35	30.00	Pass
30KHz	70MHz	LCH	CP-256QAM	13.67	13.36	13.65	13.48	13.77	13.61	16.70	14.32	30.00	Pass
30KHz	70MHz	MCH	CP-QPSK	18.77	18.43	18.70	18.51	18.66	18.51	21.62	19.28	30.00	Pass
30KHz	70MHz	MCH	CP-16QAM	18.18	17.99	18.02	18.11	18.19	17.99	21.10	18.77	30.00	Pass
30KHz	70MHz	MCH	CP-64QAM	16.78	16.48	16.64	16.61	16.70	16.56	19.64	17.32	30.00	Pass
30KHz	70MHz	MCH	CP-256QAM	14.07	13.34	13.93	13.46	13.69	13.60	16.73	14.49	30.00	Pass
30KHz	70MHz	HCH	CP-QPSK	18.91	18.47	18.73	18.57	18.61	18.59	21.71	19.39	30.00	Pass
30KHz	70MHz	HCH	CP-16QAM	18.43	17.93	18.26	18.08	18.07	18.02	21.20	18.90	30.00	Pass
30KHz	70MHz	HCH	CP-64QAM	16.63	16.29	16.42	16.50	16.62	16.54	19.59	17.21	30.00	Pass
30KHz	70MHz	HCH	CP-256QAM	13.60	13.47	13.38	13.65	13.59	13.52	16.57	14.24	30.00	Pass

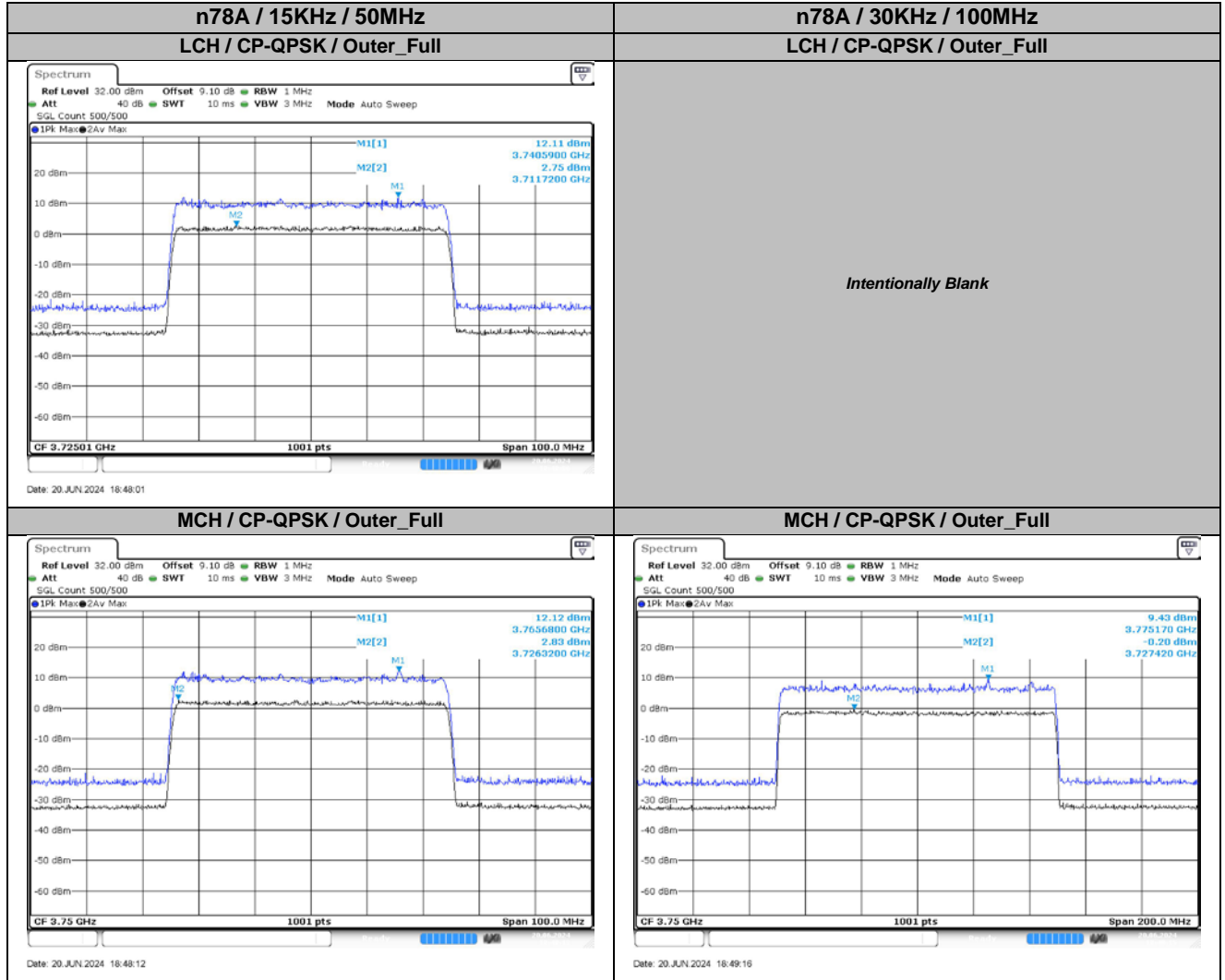
30KHz	80MHz	LCH	CP-QPSK	18.51	18.39	18.53	18.50	18.74	18.57	21.67	19.28	30.00	Pass
30KHz	80MHz	LCH	CP-16QAM	18.07	17.88	18.08	18.21	18.32	18.05	21.20	18.89	30.00	Pass
30KHz	80MHz	LCH	CP-64QAM	16.72	16.66	16.70	16.81	16.73	16.54	19.77	17.38	30.00	Pass
30KHz	80MHz	LCH	CP-256QAM	13.57	13.35	13.55	13.60	13.78	13.55	16.68	14.32	30.00	Pass
30KHz	80MHz	MCH	CP-QPSK	18.61	18.49	18.51	18.67	18.64	18.55	21.61	19.27	30.00	Pass
30KHz	80MHz	MCH	CP-16QAM	18.21	17.86	18.02	18.04	18.13	18.02	21.09	18.75	30.00	Pass
30KHz	80MHz	MCH	CP-64QAM	16.44	16.34	16.35	16.47	16.64	16.47	19.57	17.18	30.00	Pass
30KHz	80MHz	MCH	CP-256QAM	13.62	13.49	13.53	13.57	13.72	13.58	16.66	14.28	30.00	Pass
30KHz	80MHz	HCH	CP-QPSK	18.79	18.43	18.69	18.59	18.64	18.50	21.65	19.32	30.00	Pass
30KHz	80MHz	HCH	CP-16QAM	18.26	18.07	18.20	18.25	18.11	18.04	21.24	18.87	30.00	Pass
30KHz	80MHz	HCH	CP-64QAM	16.72	16.33	16.60	16.53	16.70	16.57	19.65	17.27	30.00	Pass
30KHz	80MHz	HCH	CP-256QAM	14.00	13.31	13.92	13.49	13.66	13.52	16.72	14.41	30.00	Pass
30KHz	90MHz	LCH	CP-QPSK	18.51	18.42	18.52	18.79	18.74	18.59	21.68	19.38	30.00	Pass
30KHz	90MHz	LCH	CP-16QAM	18.09	17.75	18.14	18.01	18.29	18.08	21.20	18.82	30.00	Pass
30KHz	90MHz	LCH	CP-64QAM	16.37	16.43	16.48	16.66	16.75	16.58	19.68	17.33	30.00	Pass
30KHz	90MHz	LCH	CP-256QAM	13.56	13.29	13.66	13.55	13.79	13.65	16.73	14.35	30.00	Pass
30KHz	90MHz	MCH	CP-QPSK	18.64	18.35	18.69	18.53	18.68	18.51	21.62	19.24	30.00	Pass
30KHz	90MHz	MCH	CP-16QAM	17.96	17.87	18.01	18.13	18.16	18.00	21.09	18.77	30.00	Pass
30KHz	90MHz	MCH	CP-64QAM	16.63	16.37	16.65	16.68	16.71	16.54	19.68	17.32	30.00	Pass
30KHz	90MHz	MCH	CP-256QAM	13.87	13.23	13.86	13.46	13.70	13.57	16.67	14.36	30.00	Pass
30KHz	90MHz	HCH	CP-QPSK	18.65	18.39	18.64	18.49	18.63	18.54	21.60	19.22	30.00	Pass
30KHz	90MHz	HCH	CP-16QAM	18.17	17.79	18.16	17.97	18.07	18.09	21.09	18.75	30.00	Pass
30KHz	90MHz	HCH	CP-64QAM	16.36	16.19	16.32	16.43	16.63	16.51	19.58	17.20	30.00	Pass
30KHz	90MHz	HCH	CP-256QAM	13.43	13.34	13.39	13.61	13.65	13.56	16.62	14.25	30.00	Pass
30KHz	100MHz	MCH	CP-QPSK	18.32	18.22	18.53	18.58	18.65	18.52	21.60	19.24	30.00	Pass
30KHz	100MHz	MCH	CP-16QAM	17.91	17.75	18.09	18.07	18.13	18.03	21.09	18.72	30.00	Pass
30KHz	100MHz	MCH	CP-64QAM	16.60	16.57	16.74	16.86	16.65	16.51	19.81	17.41	30.00	Pass
30KHz	100MHz	MCH	CP-256QAM	13.41	13.17	13.59	13.60	13.75	13.61	16.69	14.31	30.00	Pass

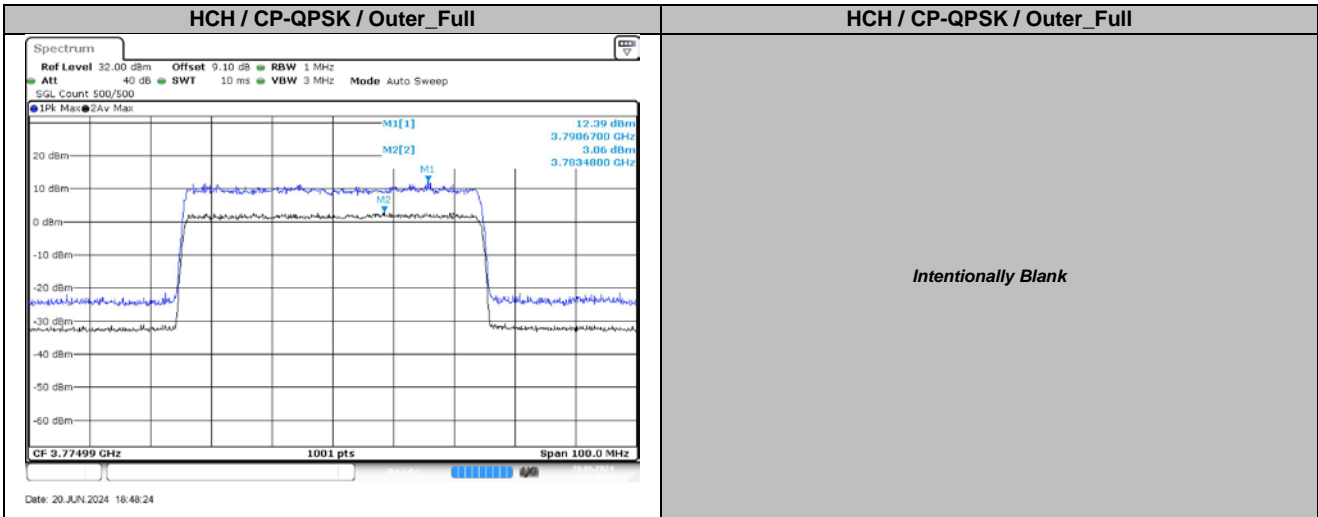
## 2. Peak-to-Average Ratio

### 2.1. Test Results

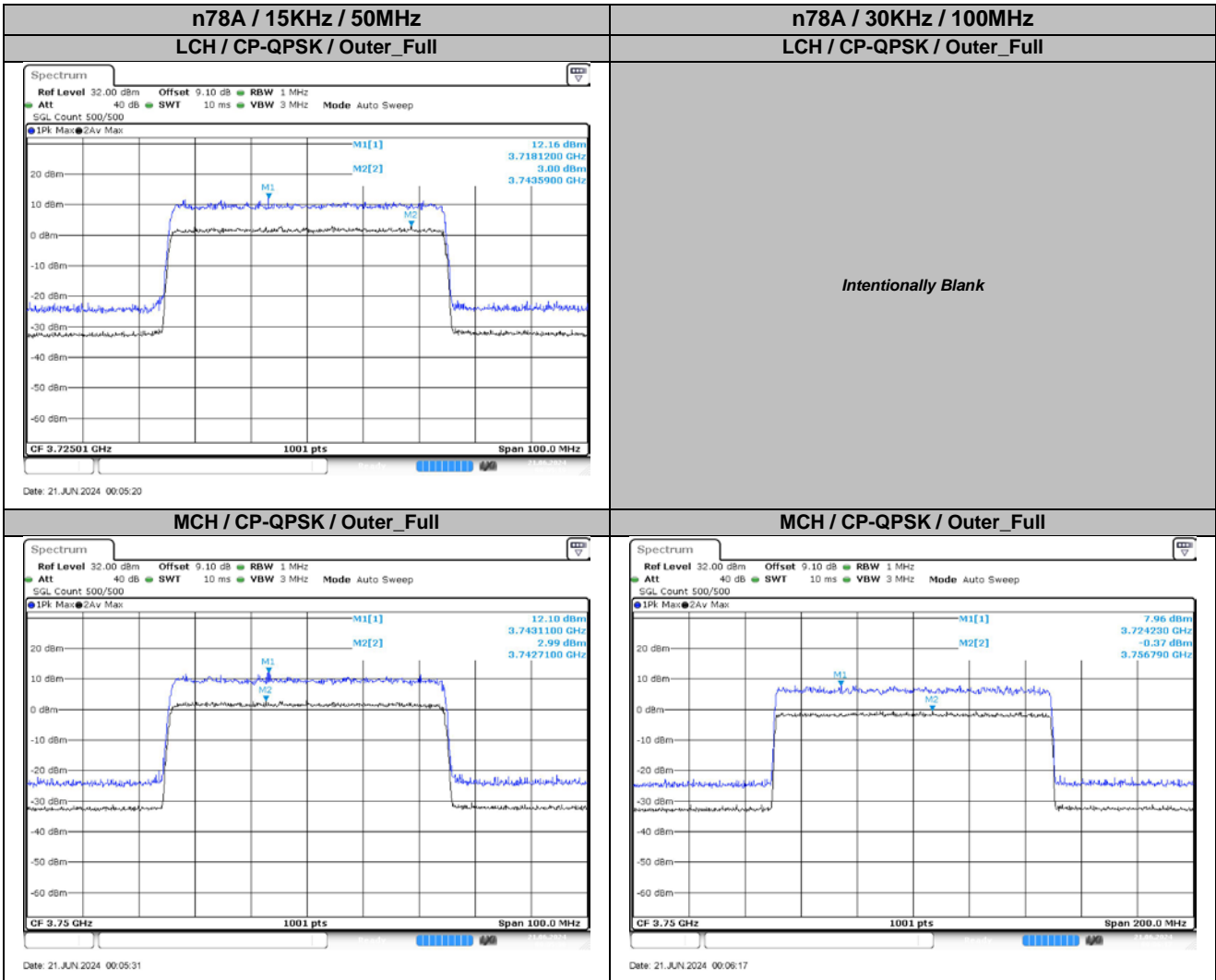
Channel	RB	Result (dB)				Limit (dB)	Verdict
		15KHz / 50MHz / CP-QPSK		30KHz / 100MHz / CP-QPSK			
		Ant4	Ant6	Ant4	Ant6		
LCH	Outer_Full	9.36	9.15	9.6	8.33	13.00	Pass
MCH	Outer_Full	9.29	9.11			13.00	Pass
HCH	Outer_Full	9.33	8.79			13.00	Pass

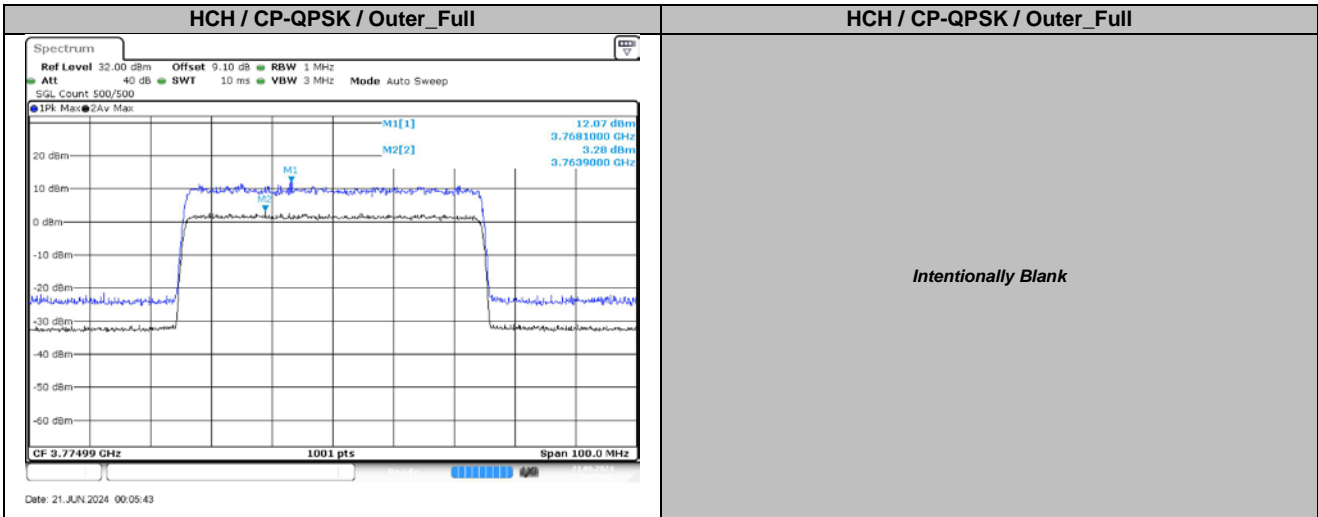
### 2.2. Test Plots for Ant4





2.3. Test Plots for Ant6





### 3. Modulation Characteristics

#### 3.1. Test Plots



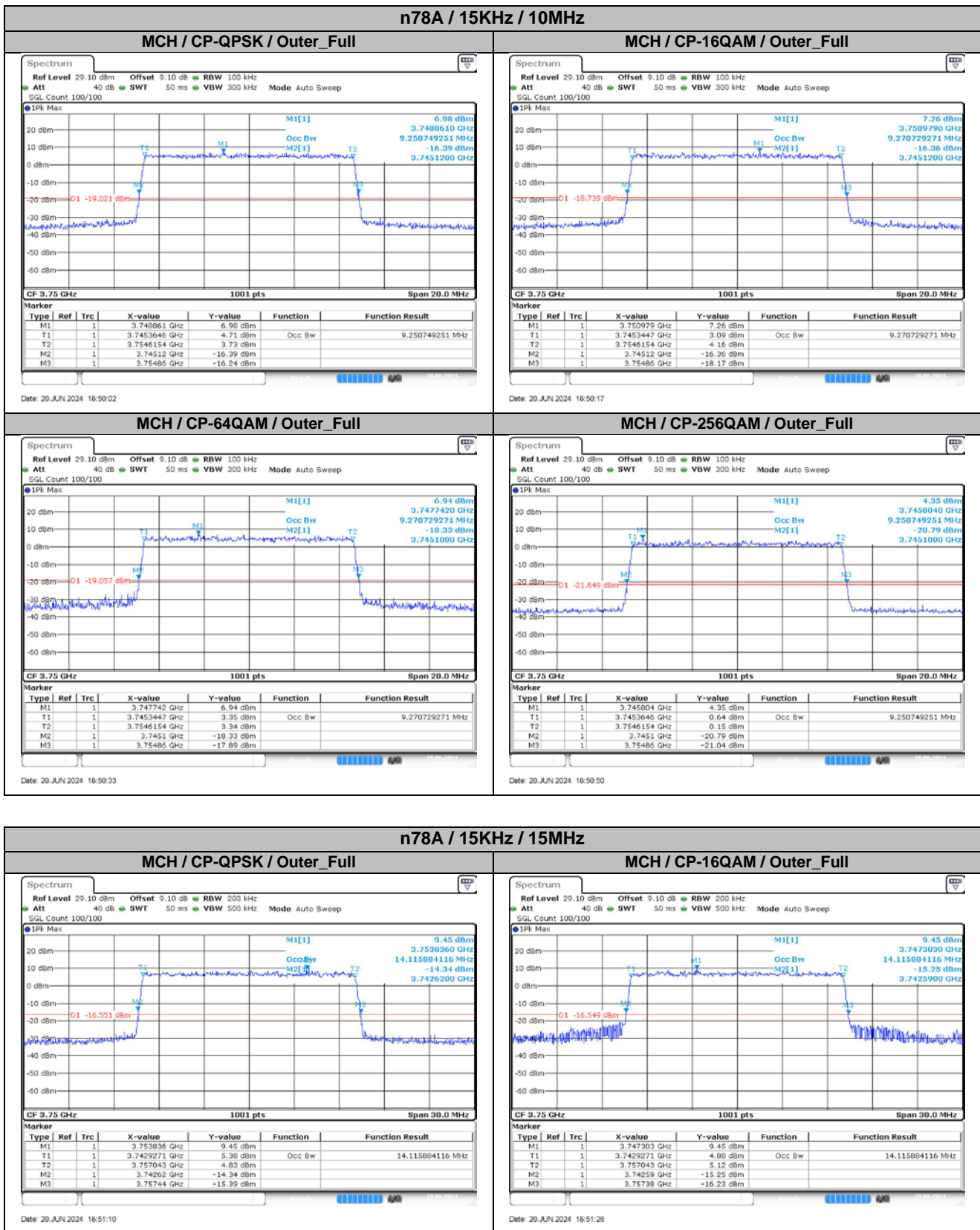


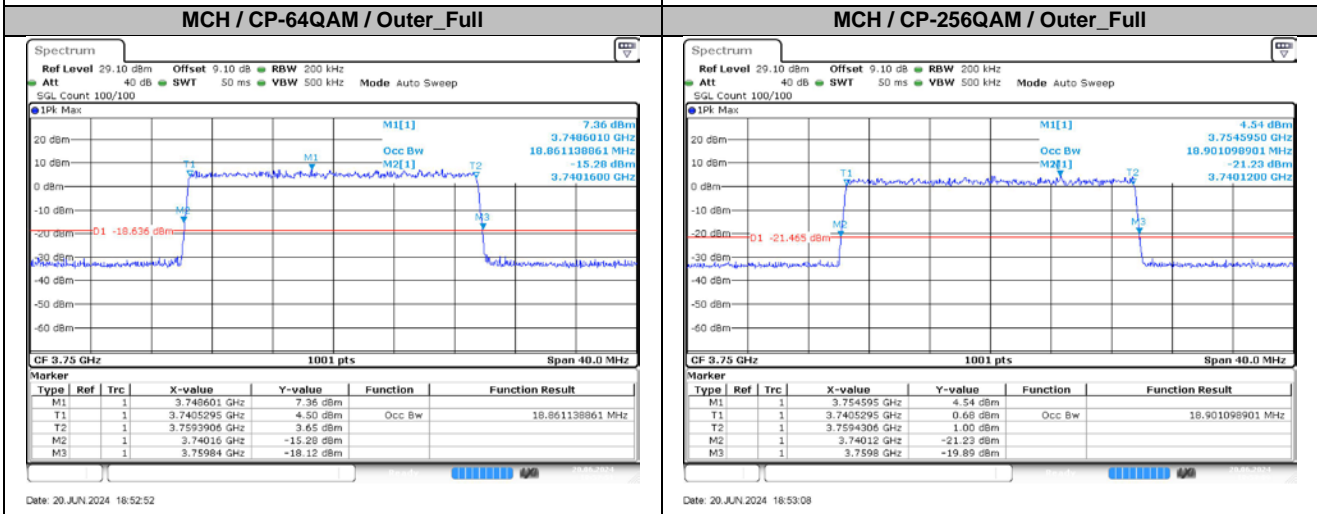
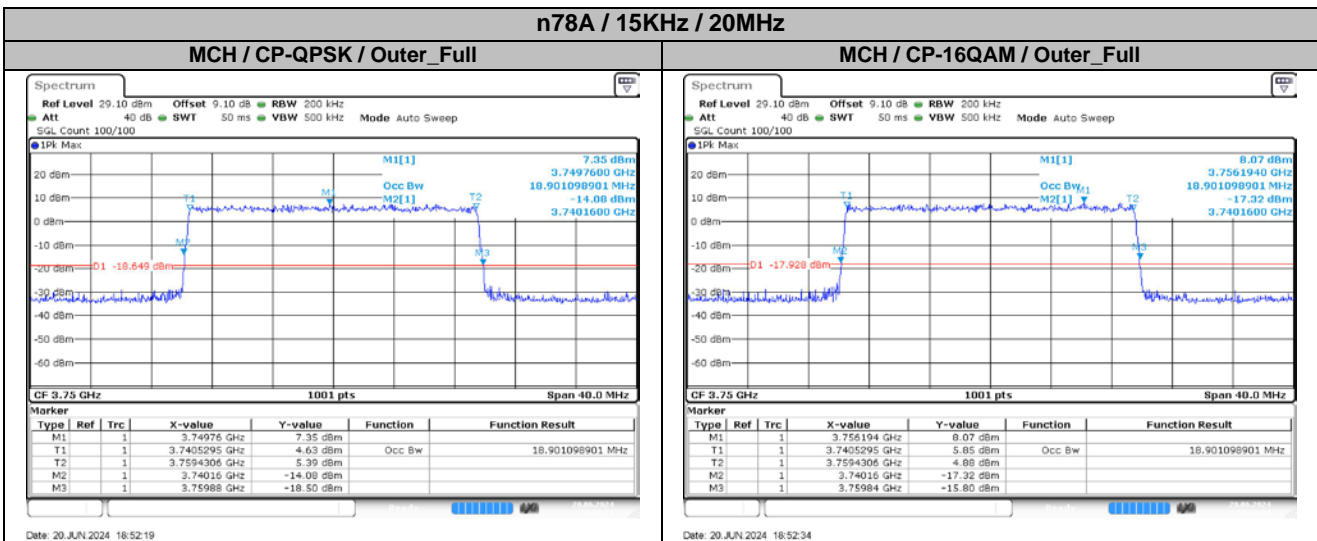
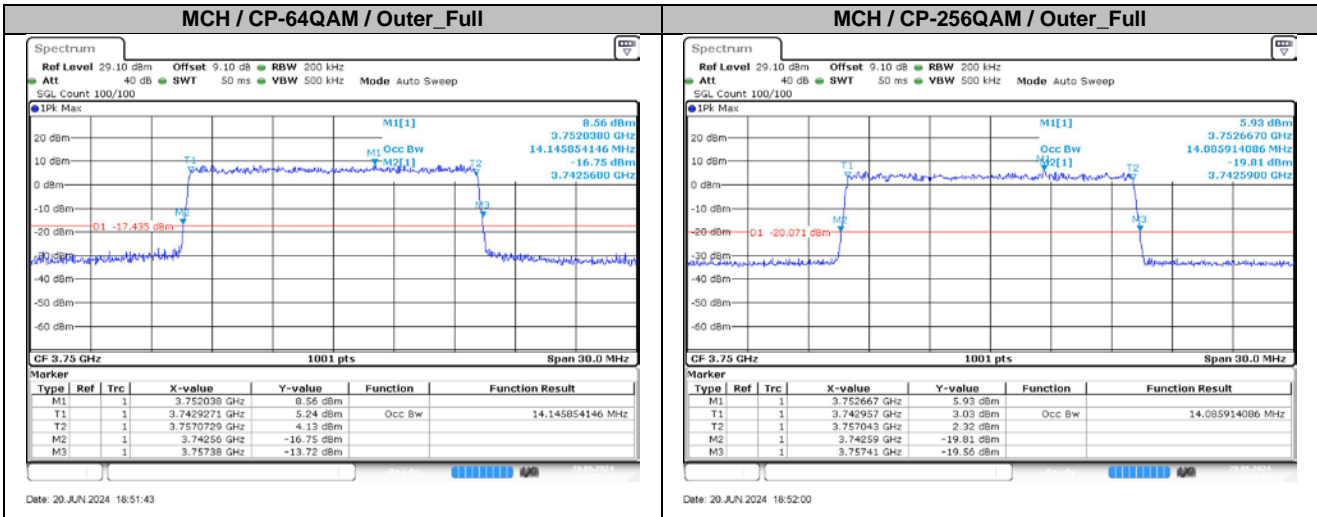
### 4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

#### 4.1. Test Results

Bandwidth	Modulation	RB	99% Occupied Bandwidth (MHz)				26dB Emission Bandwidth (MHz)				Verdict
			15KHz		30KHz		15KHz		30KHz		
			Ant4	Ant6	Ant4	Ant6	Ant4	Ant6	Ant4	Ant6	
10MHz	CP-QPSK	Outer_Full	9.25	9.25	8.59	8.57	9.74	9.72	9.28	9.36	Pass
10MHz	CP-16QAM	Outer_Full	9.27	9.29	8.61	8.57	9.74	9.76	9.38	9.28	Pass
10MHz	CP-64QAM	Outer_Full	9.27	9.27	8.57	8.57	9.76	9.74	9.28	9.24	Pass
10MHz	CP-256QAM	Outer_Full	9.25	9.27	8.55	8.59	9.76	9.76	9.20	9.32	Pass
15MHz	CP-QPSK	Outer_Full	14.12	14.09	13.58	13.58	14.82	14.79	14.58	14.43	Pass
15MHz	CP-16QAM	Outer_Full	14.12	14.12	13.58	13.58	14.79	14.82	14.40	14.49	Pass
15MHz	CP-64QAM	Outer_Full	14.15	14.12	13.58	13.55	14.82	14.85	14.52	14.43	Pass
15MHz	CP-256QAM	Outer_Full	14.09	14.09	13.58	13.58	14.82	14.79	14.52	14.52	Pass
20MHz	CP-QPSK	Outer_Full	18.90	18.94	18.10	18.18	19.72	19.68	19.08	19.16	Pass
20MHz	CP-16QAM	Outer_Full	18.90	18.86	18.18	18.18	19.68	19.76	19.16	19.24	Pass
20MHz	CP-64QAM	Outer_Full	18.86	18.90	18.14	18.22	19.68	19.68	19.08	19.16	Pass
20MHz	CP-256QAM	Outer_Full	18.90	18.90	18.18	18.18	19.68	19.68	19.12	19.16	Pass
25MHz	CP-QPSK	Outer_Full	23.73	23.78	23.13	23.23	24.65	24.75	24.35	24.25	Pass
25MHz	CP-16QAM	Outer_Full	23.73	23.78	23.18	23.23	24.75	24.75	24.25	24.35	Pass
25MHz	CP-64QAM	Outer_Full	23.73	23.73	23.23	23.18	24.55	24.65	24.35	24.40	Pass
25MHz	CP-256QAM	Outer_Full	23.68	23.78	23.28	23.18	24.70	24.75	24.40	24.40	Pass
30MHz	CP-QPSK	Outer_Full	28.53	28.53	27.87	27.81	29.58	29.76	29.16	29.28	Pass
30MHz	CP-16QAM	Outer_Full	28.59	28.53	27.81	27.81	29.64	29.64	29.34	29.16	Pass
30MHz	CP-64QAM	Outer_Full	28.53	28.59	27.75	27.81	29.70	29.76	29.28	29.16	Pass
30MHz	CP-256QAM	Outer_Full	28.53	28.53	27.93	27.81	29.70	29.82	29.46	29.28	Pass
40MHz	CP-QPSK	Outer_Full	38.52	38.52	37.80	37.80	40.16	40.16	39.68	39.60	Pass
40MHz	CP-16QAM	Outer_Full	38.60	38.60	37.88	37.80	40.08	40.24	39.68	39.60	Pass
40MHz	CP-64QAM	Outer_Full	38.60	38.52	37.80	37.80	40.00	40.24	39.68	39.60	Pass
40MHz	CP-256QAM	Outer_Full	38.52	38.52	37.88	37.88	40.08	40.00	39.52	39.60	Pass
50MHz	CP-QPSK	Outer_Full	48.15	48.25	47.45	47.45	49.80	49.80	49.40	49.50	Pass
50MHz	CP-16QAM	Outer_Full	48.25	48.05	47.45	47.55	49.70	49.80	49.30	49.50	Pass
50MHz	CP-64QAM	Outer_Full	48.15	48.05	47.45	47.45	49.80	49.80	49.20	49.40	Pass
50MHz	CP-256QAM	Outer_Full	48.25	48.25	47.45	47.45	49.80	49.80	49.40	49.40	Pass
60MHz	CP-QPSK	Outer_Full	N/A	N/A	57.78	57.66	N/A	N/A	59.64	59.76	Pass
60MHz	CP-16QAM	Outer_Full	N/A	N/A	57.66	57.90	N/A	N/A	59.52	59.52	Pass
60MHz	CP-64QAM	Outer_Full	N/A	N/A	57.90	57.66	N/A	N/A	59.64	59.76	Pass
60MHz	CP-256QAM	Outer_Full	N/A	N/A	57.78	57.78	N/A	N/A	59.52	59.76	Pass
70MHz	CP-QPSK	Outer_Full	N/A	N/A	67.41	67.55	N/A	N/A	69.44	69.44	Pass
70MHz	CP-16QAM	Outer_Full	N/A	N/A	67.41	67.41	N/A	N/A	69.44	69.44	Pass
70MHz	CP-64QAM	Outer_Full	N/A	N/A	67.41	67.41	N/A	N/A	69.16	69.44	Pass
70MHz	CP-256QAM	Outer_Full	N/A	N/A	67.55	67.41	N/A	N/A	69.58	69.30	Pass
80MHz	CP-QPSK	Outer_Full	N/A	N/A	77.52	77.36	N/A	N/A	80.32	80.48	Pass
80MHz	CP-16QAM	Outer_Full	N/A	N/A	77.52	77.36	N/A	N/A	80.48	80.32	Pass
80MHz	CP-64QAM	Outer_Full	N/A	N/A	77.52	77.36	N/A	N/A	80.48	80.32	Pass
80MHz	CP-256QAM	Outer_Full	N/A	N/A	77.52	77.52	N/A	N/A	80.64	80.64	Pass
90MHz	CP-QPSK	Outer_Full	N/A	N/A	87.57	87.39	N/A	N/A	90.54	90.36	Pass
90MHz	CP-16QAM	Outer_Full	N/A	N/A	87.57	87.57	N/A	N/A	90.54	90.54	Pass
90MHz	CP-64QAM	Outer_Full	N/A	N/A	87.57	87.75	N/A	N/A	90.36	90.36	Pass
90MHz	CP-256QAM	Outer_Full	N/A	N/A	87.57	87.57	N/A	N/A	90.54	90.72	Pass
100MHz	CP-QPSK	Outer_Full	N/A	N/A	97.50	97.10	N/A	N/A	100.80	100.60	Pass
100MHz	CP-16QAM	Outer_Full	N/A	N/A	97.50	97.30	N/A	N/A	100.60	100.80	Pass
100MHz	CP-64QAM	Outer_Full	N/A	N/A	97.50	97.50	N/A	N/A	100.80	100.80	Pass
100MHz	CP-256QAM	Outer_Full	N/A	N/A	97.50	97.50	N/A	N/A	100.80	100.60	Pass

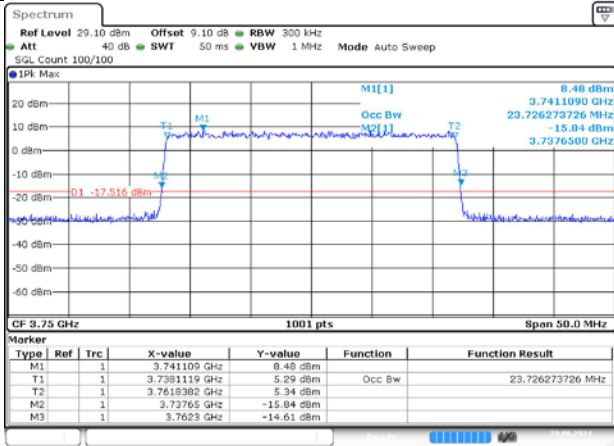
4.2. Test Plots for Ant4





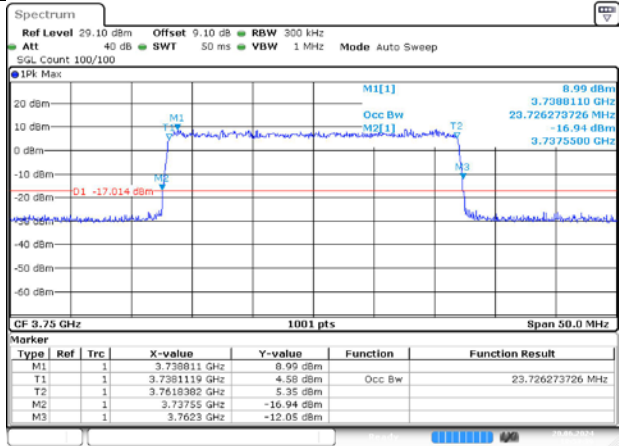
n78A / 15KHz / 25MHz

MCH / CP-QPSK / Outer\_Full



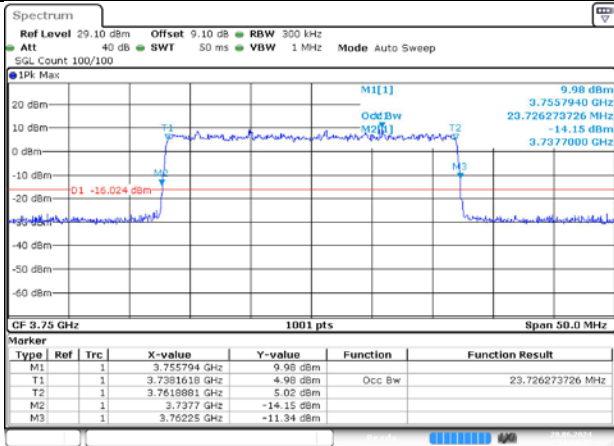
Date: 20 JUN 2024 18:53:25

MCH / CP-16QAM / Outer\_Full



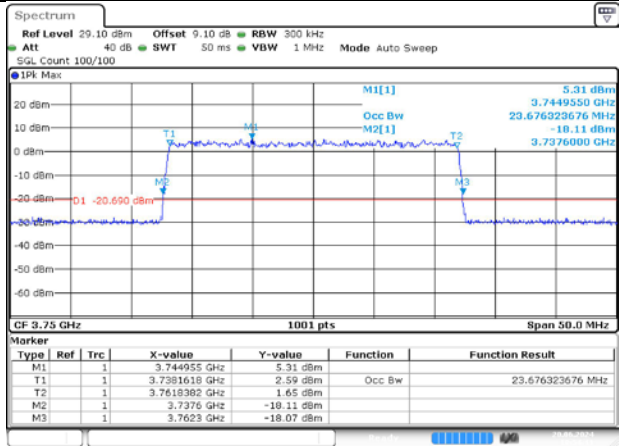
Date: 20 JUN 2024 18:53:40

MCH / CP-64QAM / Outer\_Full



Date: 20 JUN 2024 18:53:56

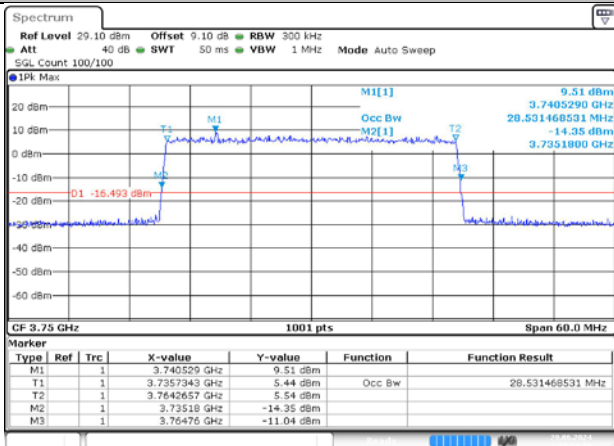
MCH / CP-256QAM / Outer\_Full



Date: 20 JUN 2024 18:54:11

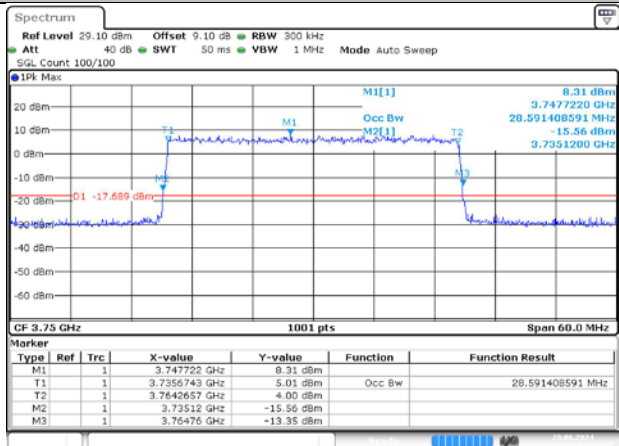
n78A / 15KHz / 30MHz

MCH / CP-QPSK / Outer\_Full

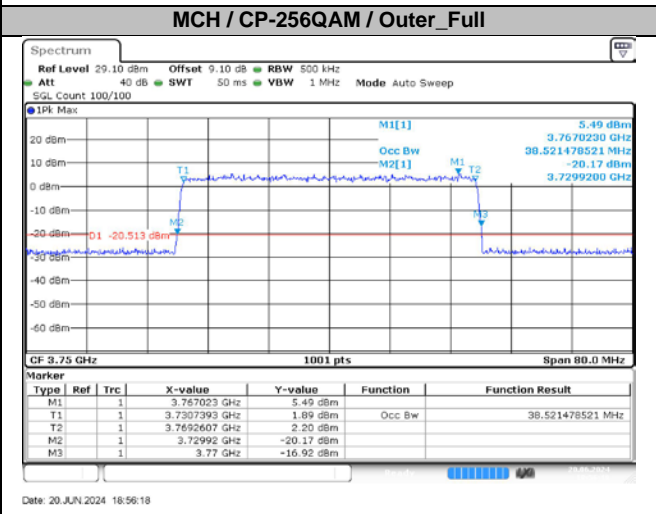
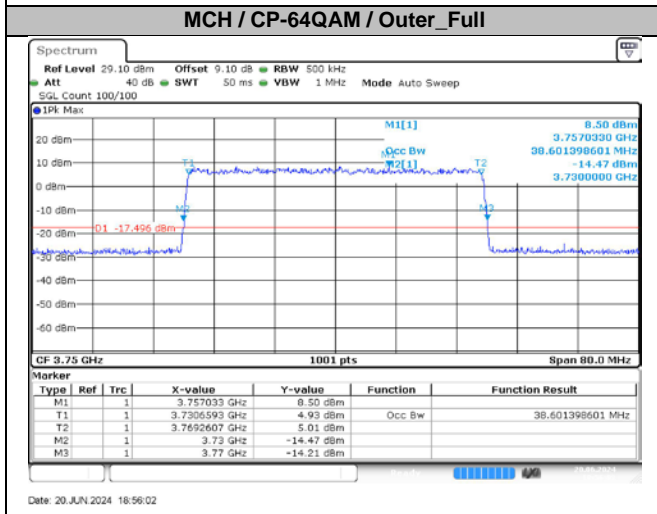
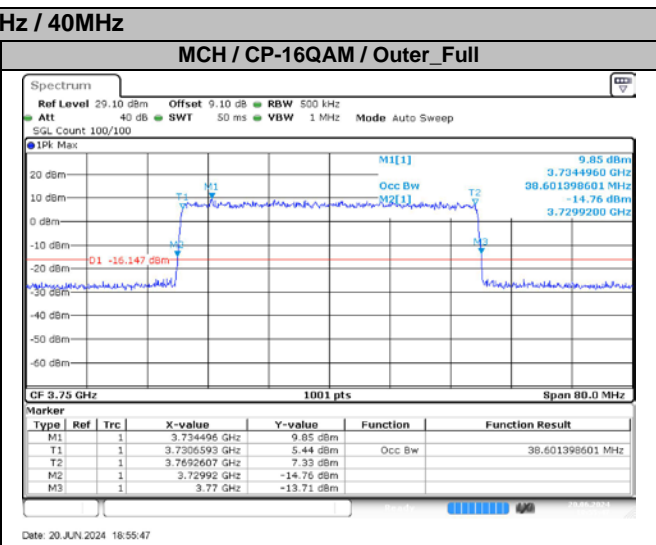
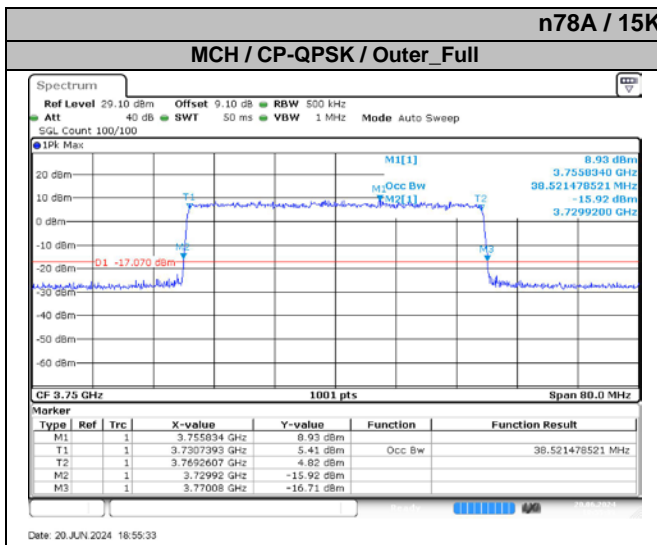
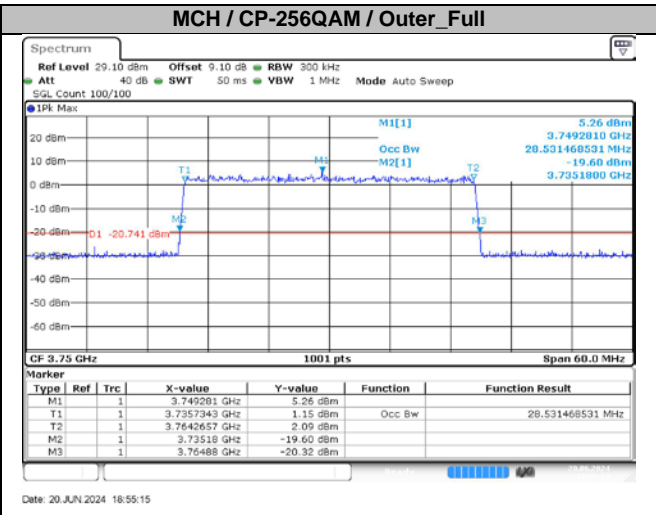
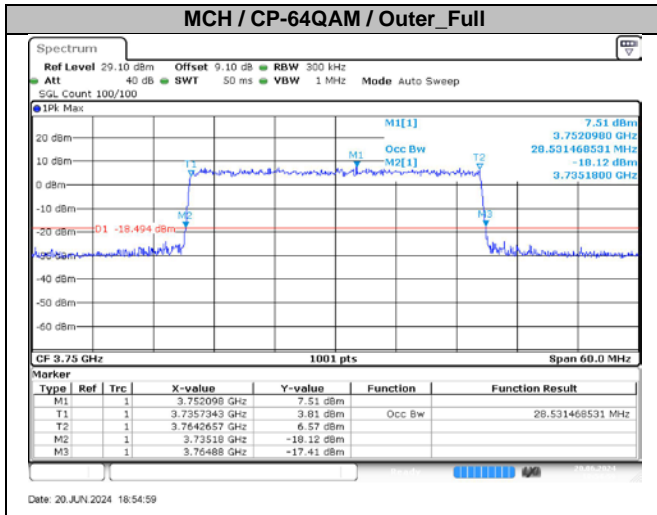


Date: 20 JUN 2024 18:54:28

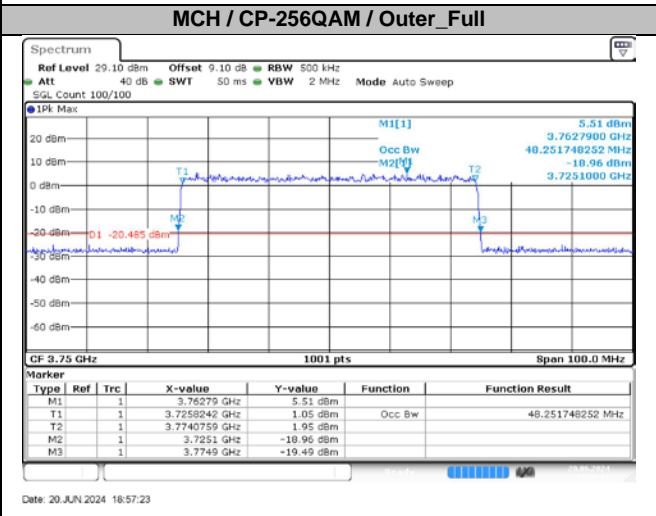
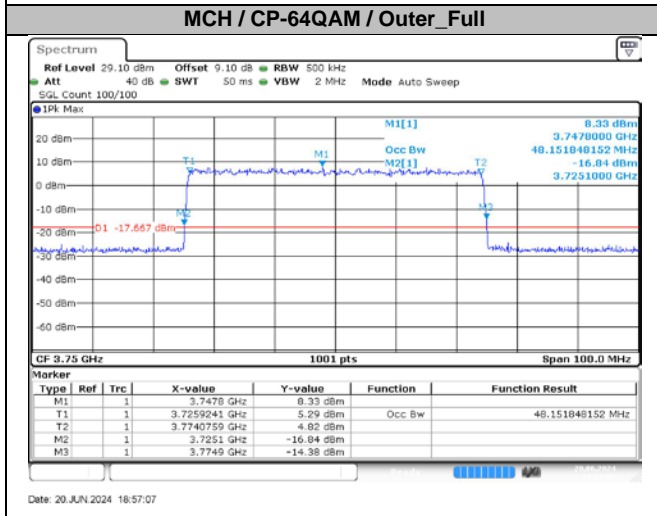
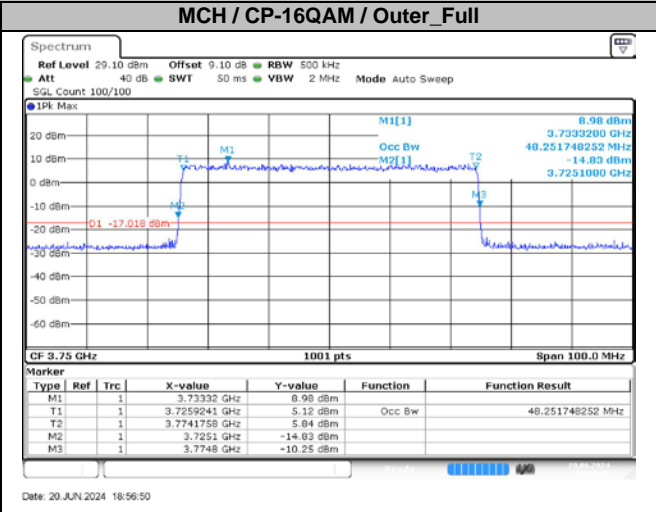
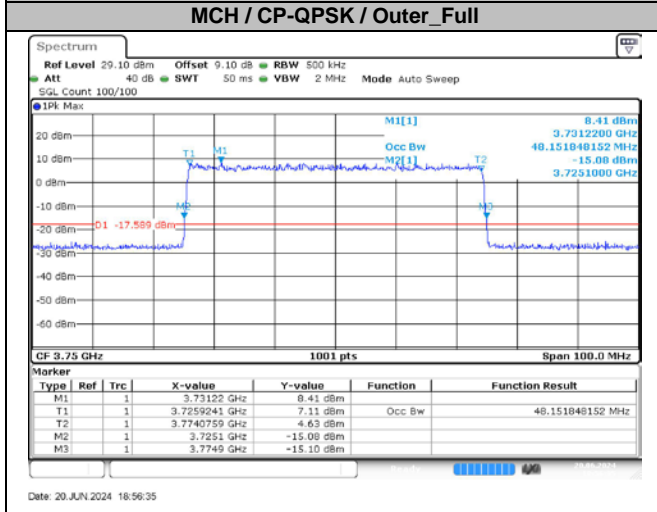
MCH / CP-16QAM / Outer\_Full



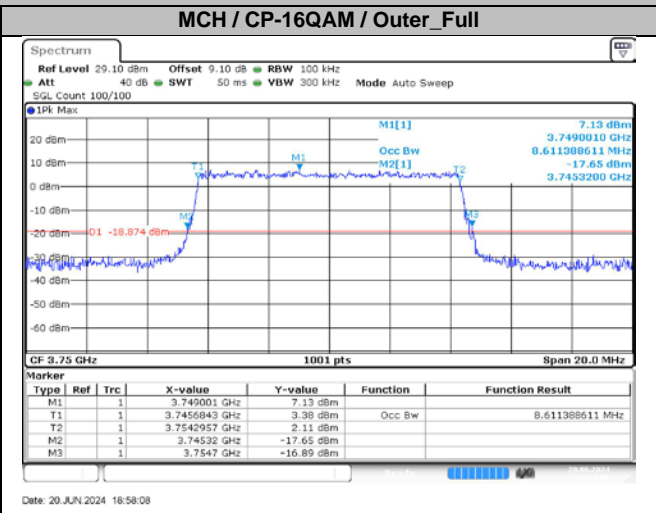
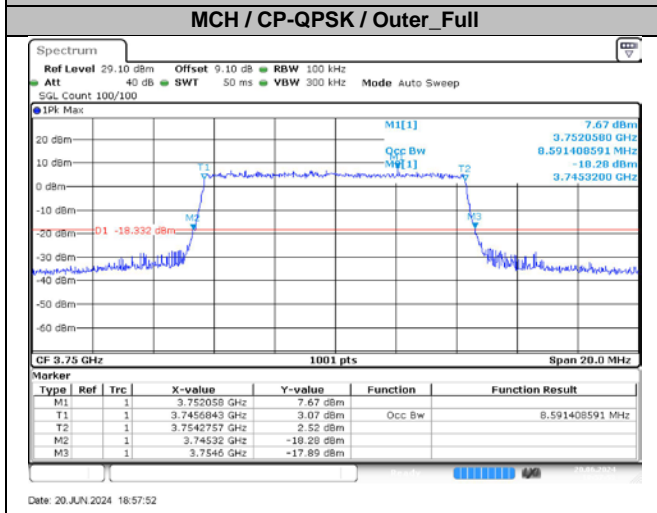
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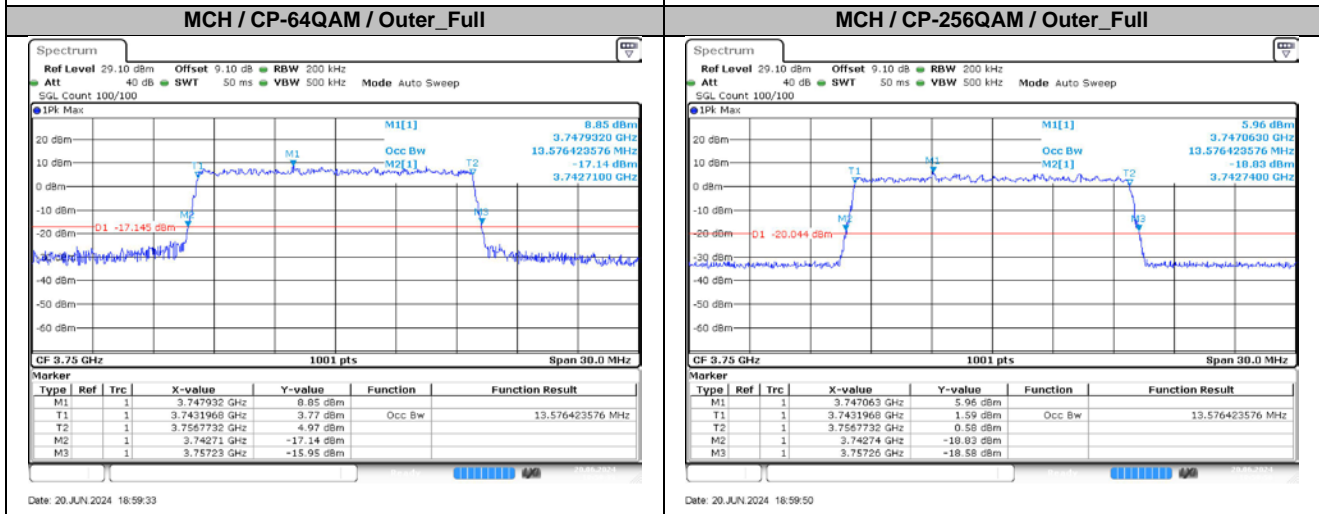
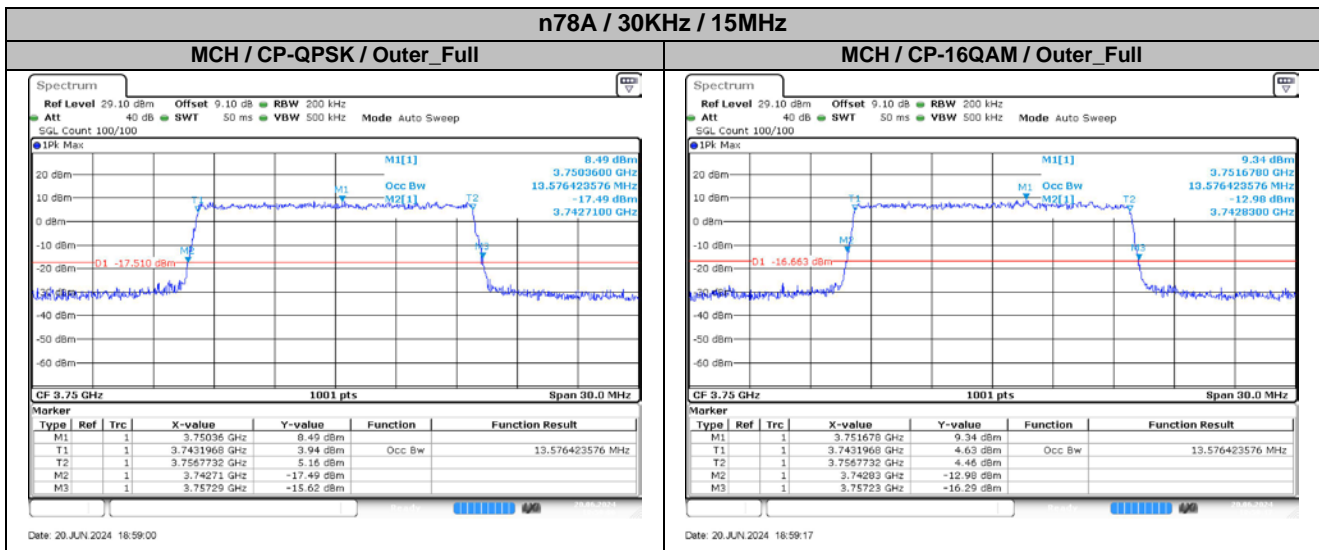
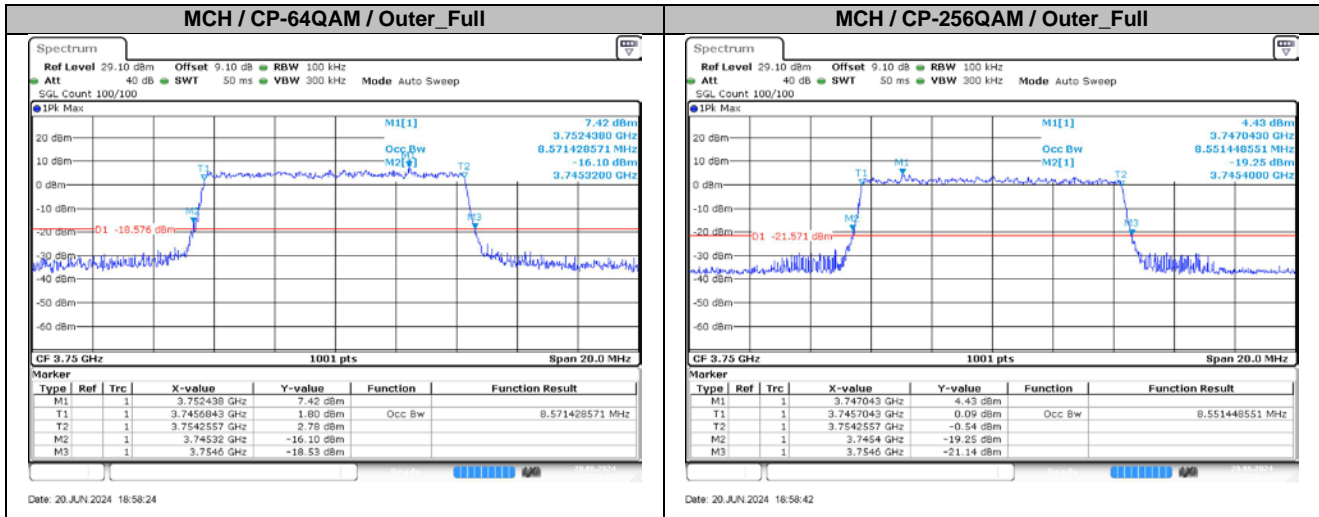


n78A / 15KHz / 50MHz

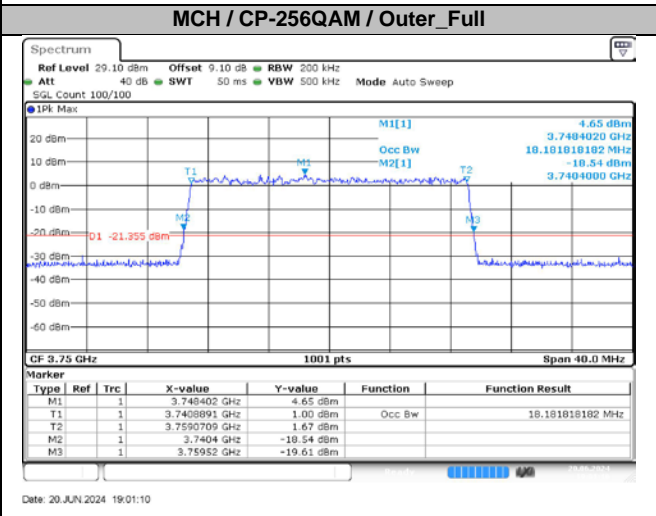
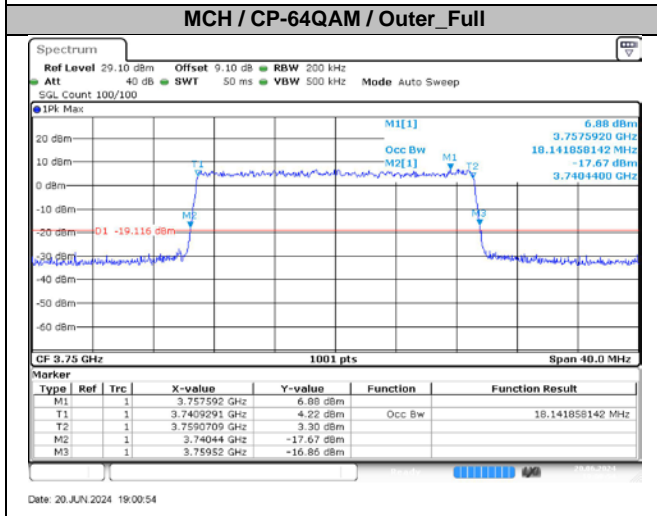
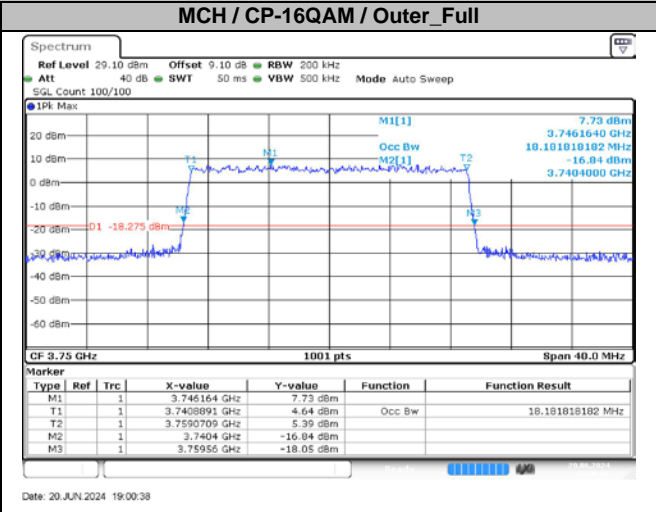
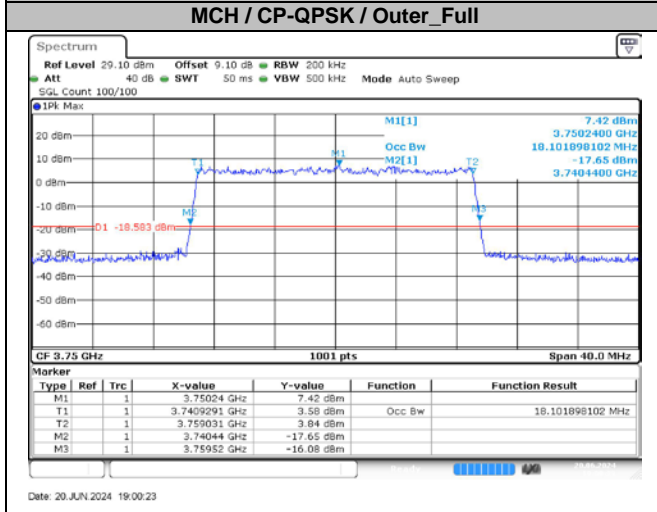


n78A / 30KHz / 10MHz

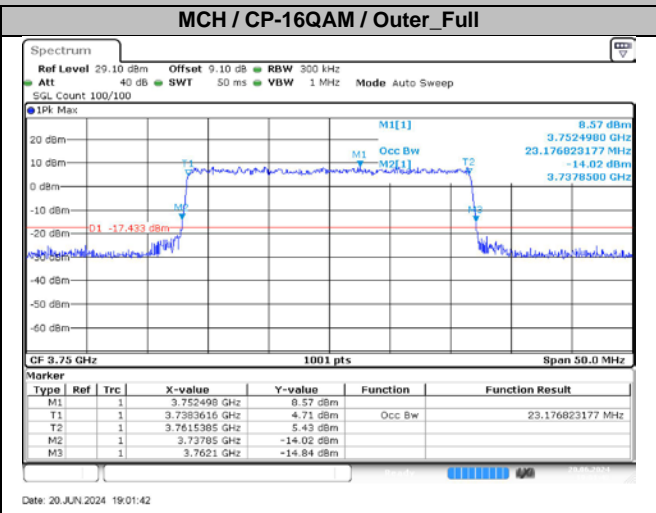
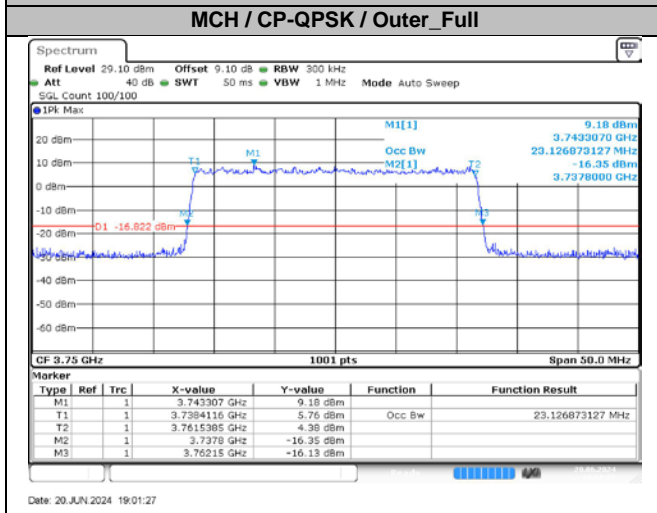


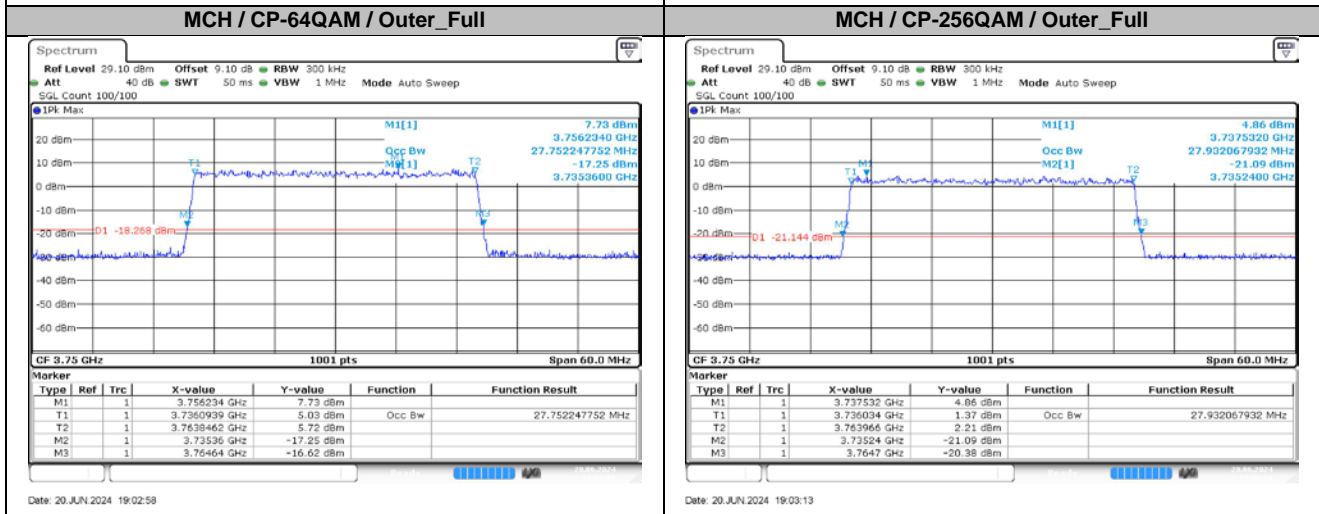
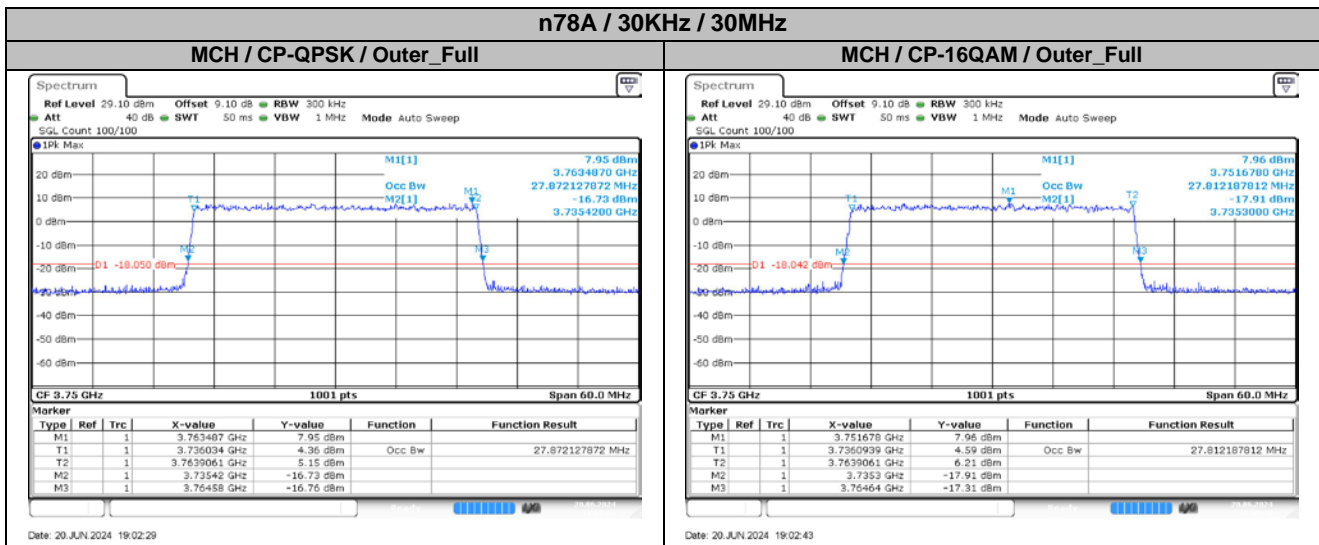
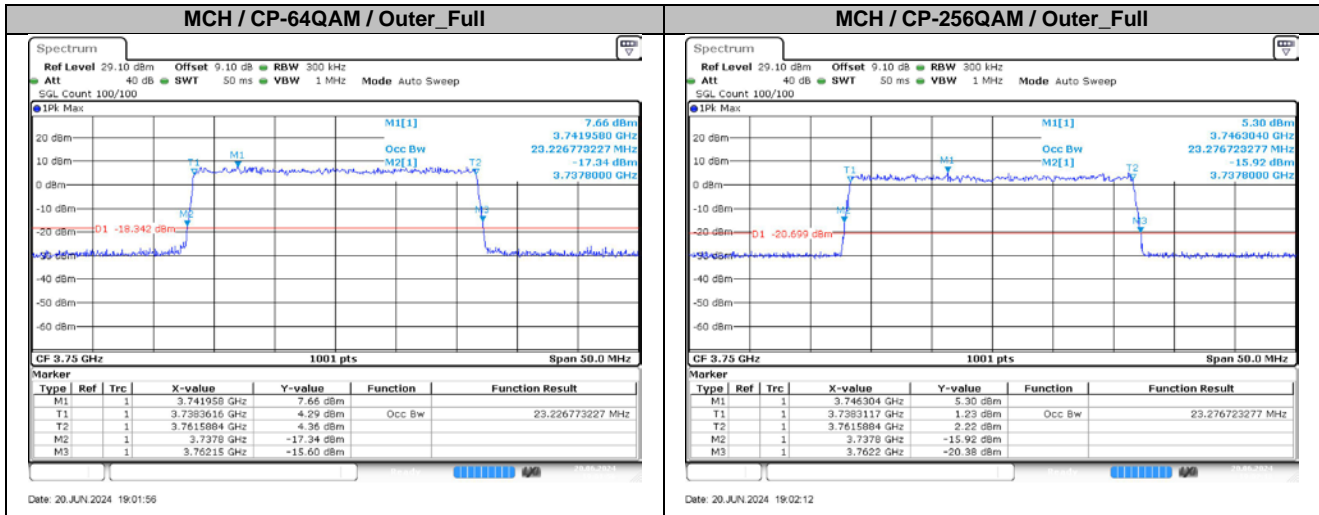


**n78A / 30kHz / 20MHz**

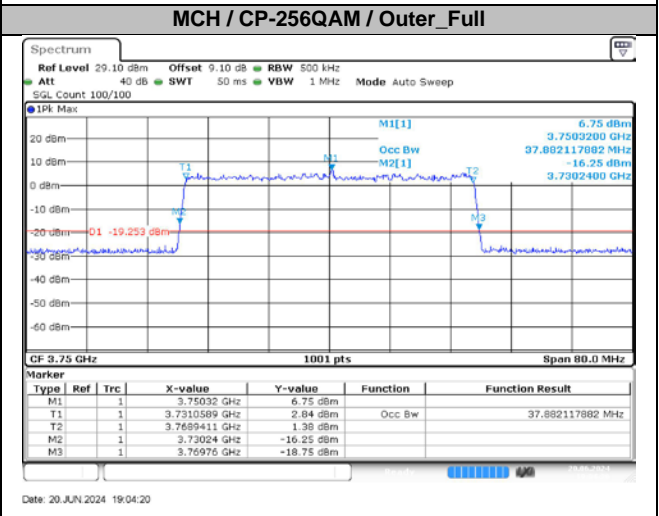
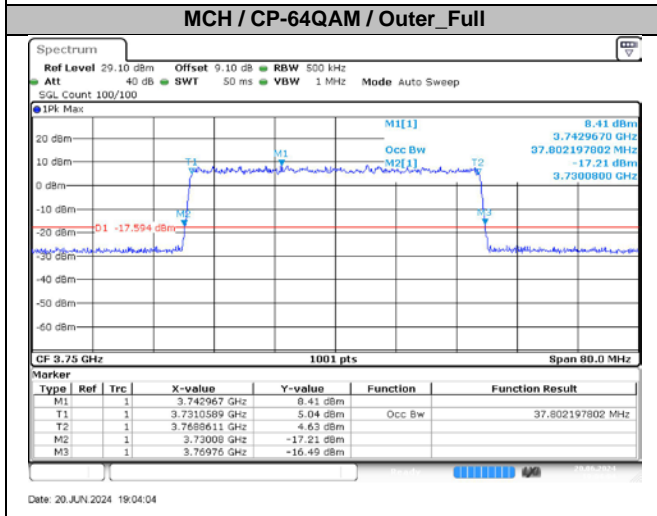
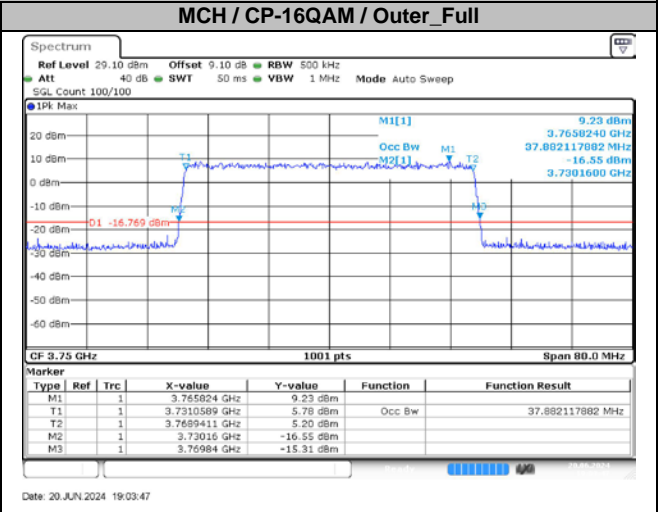
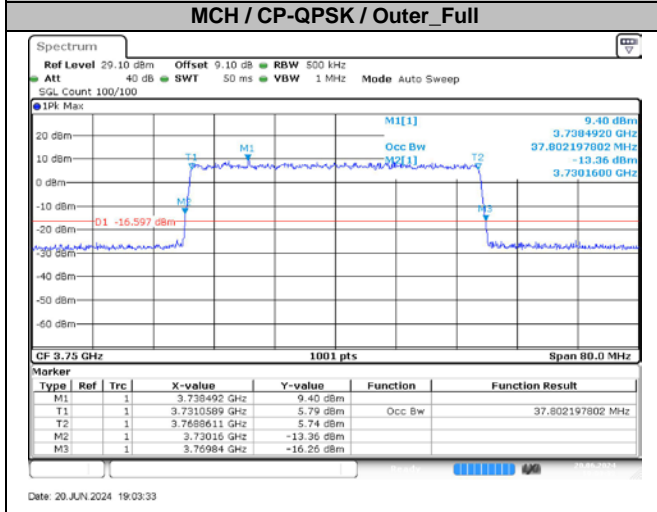


**n78A / 30kHz / 25MHz**

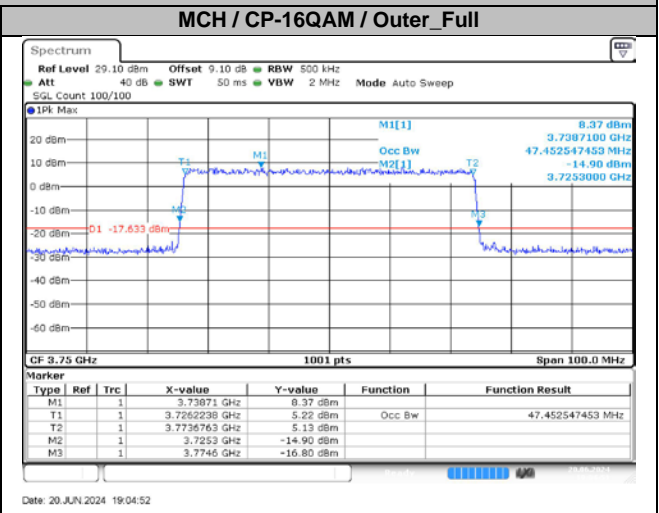
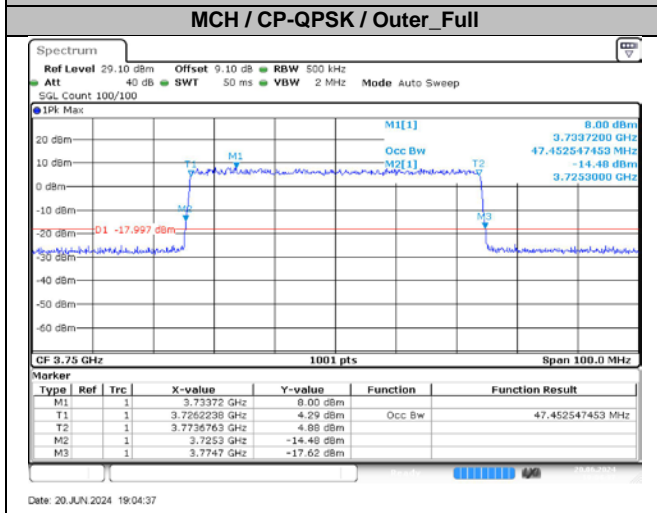


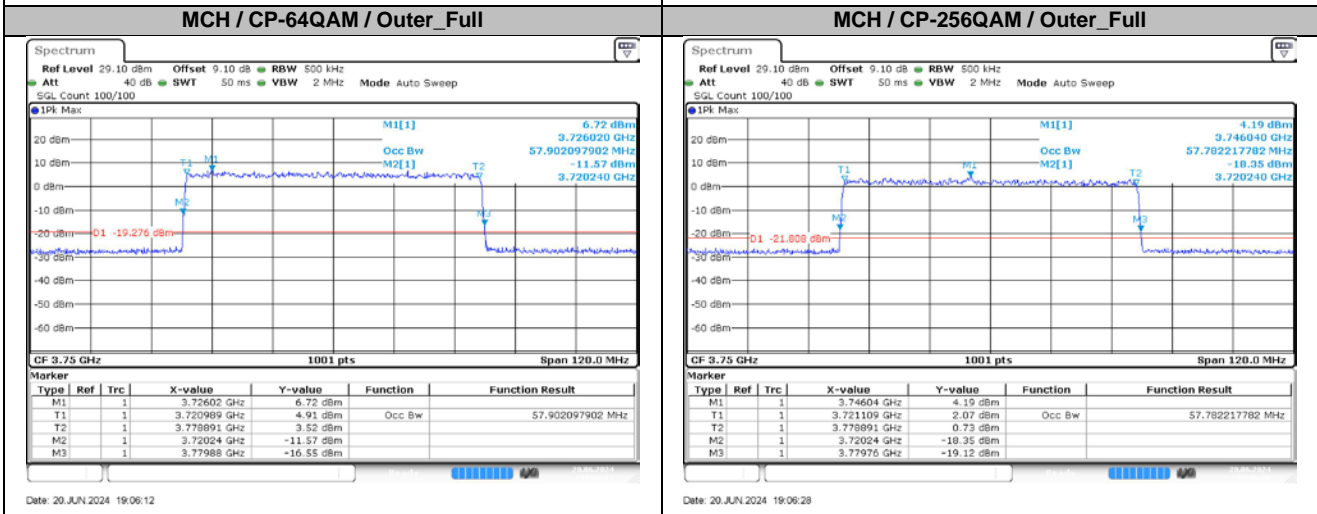
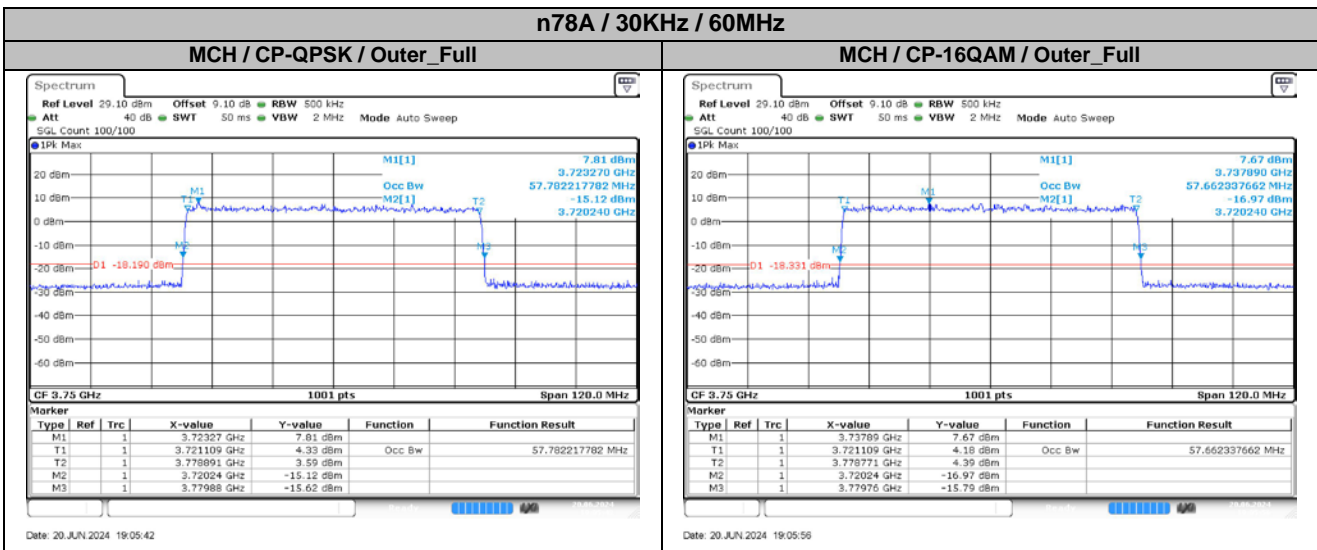
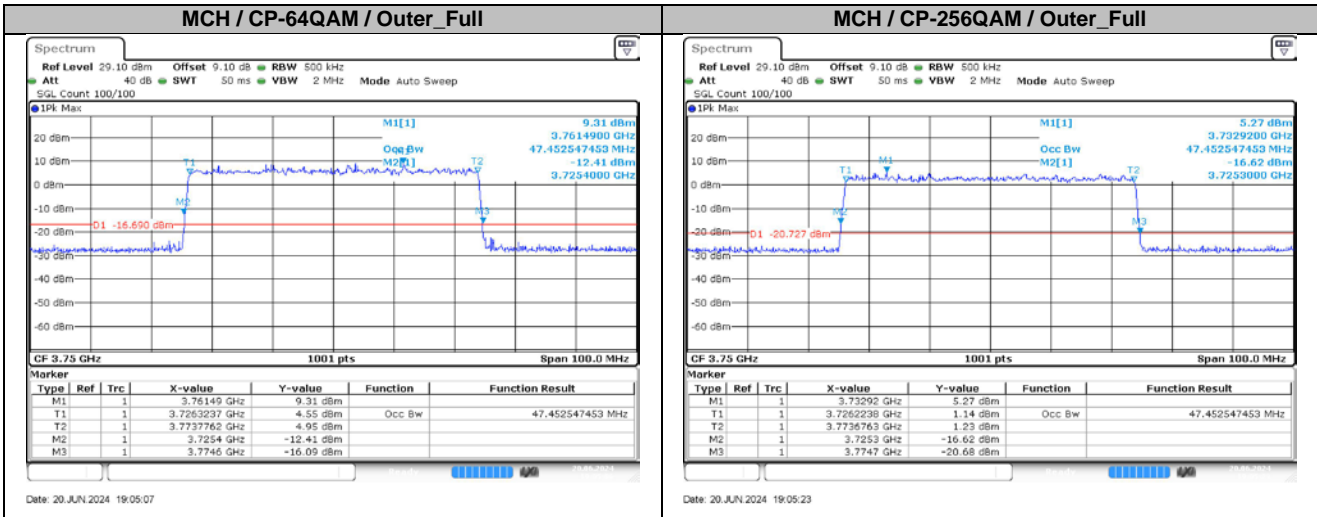


**n78A / 30kHz / 40MHz**

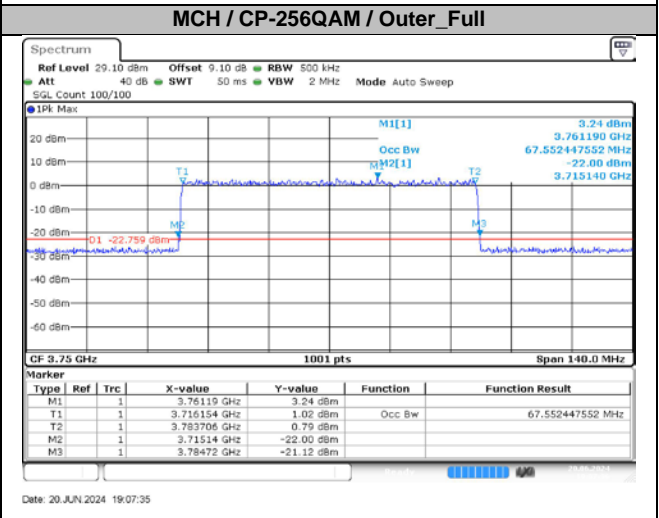
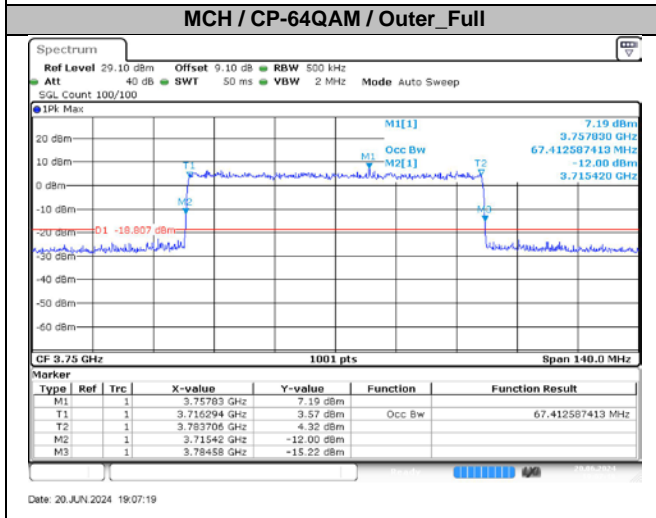
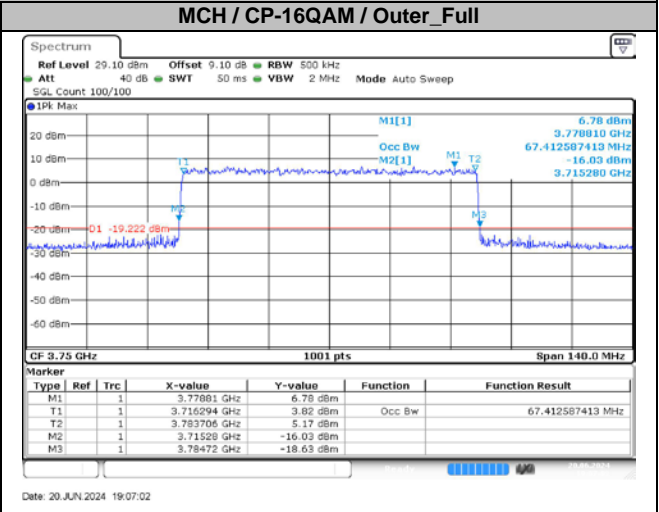
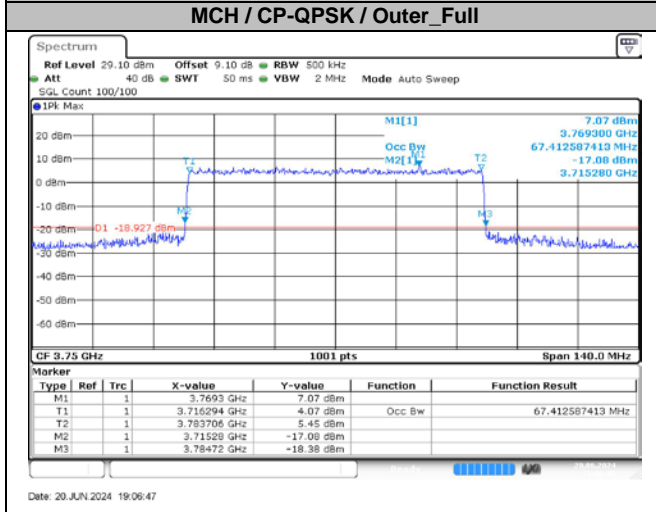


**n78A / 30kHz / 50MHz**





**n78A / 30KHz / 70MHz**



**n78A / 30KHz / 80MHz**

