

Appendix for n77A (3700-3980)

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1. Effective Isotropic Radiated Power

1.1. Test Results @ Ant5 (Antenna Gain=-1.15dBi)

SCS	Bandwidth	Channel	Modulation	Conducted Result (dBm)			Max EIRP (dBm)	Limit (dBm)	Verdict
				Inner_1RB_Left	Inner_1RB_Right	Inner_Full			
30KHz	10MHz	LCH	DFT-Pi2BPSK	25.69	25.78	25.85	24.70	30.00	Pass
30KHz	10MHz	LCH	DFT-QPSK	25.68	25.73	25.83	24.68	30.00	Pass
30KHz	10MHz	LCH	DFT-16QAM	24.82	24.92	24.80	23.77	30.00	Pass
30KHz	10MHz	LCH	DFT-64QAM	23.25	23.31	23.34	22.19	30.00	Pass
30KHz	10MHz	LCH	DFT-256QAM	21.29	21.34	21.31	20.19	30.00	Pass
30KHz	10MHz	LCH	CP-QPSK	24.34	24.39	24.35	23.24	30.00	Pass
30KHz	10MHz	MCH	DFT-Pi2BPSK	25.76	25.89	25.92	24.77	30.00	Pass
30KHz	10MHz	MCH	DFT-QPSK	25.90	25.82	25.94	24.79	30.00	Pass
30KHz	10MHz	MCH	DFT-16QAM	25.48	25.51	25.53	24.38	30.00	Pass
30KHz	10MHz	MCH	DFT-64QAM	23.96	23.95	23.99	22.84	30.00	Pass
30KHz	10MHz	MCH	DFT-256QAM	21.97	21.97	21.98	20.83	30.00	Pass
30KHz	10MHz	MCH	CP-QPSK	25.02	25.04	25.05	23.90	30.00	Pass
30KHz	10MHz	HCH	DFT-Pi2BPSK	26.04	26.03	26.06	24.91	30.00	Pass
30KHz	10MHz	HCH	DFT-QPSK	26.02	26.09	26.08	24.94	30.00	Pass
30KHz	10MHz	HCH	DFT-16QAM	25.03	25.11	25.08	23.96	30.00	Pass
30KHz	10MHz	HCH	DFT-64QAM	23.40	23.44	23.54	22.39	30.00	Pass
30KHz	10MHz	HCH	DFT-256QAM	21.48	21.55	21.50	20.40	30.00	Pass
30KHz	10MHz	HCH	CP-QPSK	24.64	24.60	24.50	23.49	30.00	Pass
30KHz	15MHz	LCH	DFT-Pi2BPSK	26.03	26.00	26.10	24.95	30.00	Pass
30KHz	15MHz	LCH	DFT-QPSK	26.00	26.05	26.06	24.91	30.00	Pass
30KHz	15MHz	LCH	DFT-16QAM	25.01	25.09	25.02	23.94	30.00	Pass
30KHz	15MHz	LCH	DFT-64QAM	23.48	23.48	23.53	22.38	30.00	Pass
30KHz	15MHz	LCH	DFT-256QAM	21.56	21.63	21.58	20.48	30.00	Pass
30KHz	15MHz	LCH	CP-QPSK	24.57	24.59	24.61	23.46	30.00	Pass
30KHz	15MHz	MCH	DFT-Pi2BPSK	25.96	26.02	26.01	24.87	30.00	Pass
30KHz	15MHz	MCH	DFT-QPSK	25.97	26.06	26.07	24.92	30.00	Pass
30KHz	15MHz	MCH	DFT-16QAM	25.58	25.64	25.65	24.50	30.00	Pass
30KHz	15MHz	MCH	DFT-64QAM	24.09	24.12	24.10	22.97	30.00	Pass
30KHz	15MHz	MCH	DFT-256QAM	22.05	22.15	22.16	21.01	30.00	Pass
30KHz	15MHz	MCH	CP-QPSK	25.25	25.21	25.09	24.10	30.00	Pass
30KHz	15MHz	HCH	DFT-Pi2BPSK	26.20	26.12	26.07	25.05	30.00	Pass
30KHz	15MHz	HCH	DFT-QPSK	26.10	26.08	26.04	24.95	30.00	Pass
30KHz	15MHz	HCH	DFT-16QAM	25.14	25.04	25.09	23.99	30.00	Pass
30KHz	15MHz	HCH	DFT-64QAM	23.54	23.51	23.47	22.39	30.00	Pass
30KHz	15MHz	HCH	DFT-256QAM	21.64	21.57	21.48	20.49	30.00	Pass
30KHz	15MHz	HCH	CP-QPSK	24.60	24.60	24.46	23.45	30.00	Pass
30KHz	20MHz	LCH	DFT-Pi2BPSK	26.00	25.96	25.97	24.85	30.00	Pass
30KHz	20MHz	LCH	DFT-QPSK	25.89	25.93	25.94	24.79	30.00	Pass
30KHz	20MHz	LCH	DFT-16QAM	24.98	25.04	25.03	23.89	30.00	Pass
30KHz	20MHz	LCH	DFT-64QAM	23.48	23.54	23.47	22.39	30.00	Pass
30KHz	20MHz	LCH	DFT-256QAM	21.52	21.51	21.44	20.37	30.00	Pass
30KHz	20MHz	LCH	CP-QPSK	24.43	24.51	24.47	23.36	30.00	Pass
30KHz	20MHz	MCH	DFT-Pi2BPSK	25.93	26.06	26.02	24.91	30.00	Pass
30KHz	20MHz	MCH	DFT-QPSK	25.94	26.00	26.00	24.85	30.00	Pass
30KHz	20MHz	MCH	DFT-16QAM	25.59	25.61	25.68	24.53	30.00	Pass
30KHz	20MHz	MCH	DFT-64QAM	24.09	24.16	24.08	23.01	30.00	Pass
30KHz	20MHz	MCH	DFT-256QAM	22.01	22.05	22.02	20.90	30.00	Pass
30KHz	20MHz	MCH	CP-QPSK	25.22	25.19	25.14	24.07	30.00	Pass
30KHz	20MHz	HCH	DFT-Pi2BPSK	26.13	26.16	26.03	25.01	30.00	Pass
30KHz	20MHz	HCH	DFT-QPSK	26.01	25.82	26.04	24.89	30.00	Pass
30KHz	20MHz	HCH	DFT-16QAM	25.10	24.95	25.07	23.95	30.00	Pass
30KHz	20MHz	HCH	DFT-64QAM	23.58	23.62	23.48	22.47	30.00	Pass
30KHz	20MHz	HCH	DFT-256QAM	21.57	21.58	21.52	20.43	30.00	Pass
30KHz	20MHz	HCH	CP-QPSK	24.49	24.34	24.42	23.34	30.00	Pass
30KHz	30MHz	LCH	DFT-Pi2BPSK	26.05	26.06	26.03	24.91	30.00	Pass
30KHz	30MHz	LCH	DFT-QPSK	26.02	26.08	26.04	24.93	30.00	Pass
30KHz	30MHz	LCH	DFT-16QAM	24.86	24.98	25.05	23.90	30.00	Pass
30KHz	30MHz	LCH	DFT-64QAM	23.53	23.57	23.57	22.42	30.00	Pass

30KHz	30MHz	LCH	DFT-256QAM	21.53	21.62	21.55	20.47	30.00	Pass
30KHz	30MHz	LCH	CP-QPSK	24.59	24.57	24.57	23.44	30.00	Pass
30KHz	30MHz	MCH	DFT-Pi2BPSK	26.07	26.03	26.00	24.92	30.00	Pass
30KHz	30MHz	MCH	DFT-QPSK	26.13	26.01	26.02	24.98	30.00	Pass
30KHz	30MHz	MCH	DFT-16QAM	25.76	25.65	25.64	24.61	30.00	Pass
30KHz	30MHz	MCH	DFT-64QAM	24.20	24.11	24.13	23.05	30.00	Pass
30KHz	30MHz	MCH	DFT-256QAM	22.30	22.17	22.08	21.15	30.00	Pass
30KHz	30MHz	MCH	CP-QPSK	25.35	25.21	25.21	24.20	30.00	Pass
30KHz	30MHz	HCH	DFT-Pi2BPSK	26.33	26.24	26.17	25.18	30.00	Pass
30KHz	30MHz	HCH	DFT-QPSK	26.36	26.24	26.22	25.21	30.00	Pass
30KHz	30MHz	HCH	DFT-16QAM	25.29	25.18	25.16	24.14	30.00	Pass
30KHz	30MHz	HCH	DFT-64QAM	23.74	23.65	23.58	22.59	30.00	Pass
30KHz	30MHz	HCH	DFT-256QAM	21.81	21.71	21.54	20.66	30.00	Pass
30KHz	30MHz	HCH	CP-QPSK	24.89	24.75	24.67	23.74	30.00	Pass
30KHz	40MHz	LCH	DFT-Pi2BPSK	26.15	26.13	25.99	25.00	30.00	Pass
30KHz	40MHz	LCH	DFT-QPSK	26.13	26.18	26.06	25.03	30.00	Pass
30KHz	40MHz	LCH	DFT-16QAM	25.32	25.37	25.03	24.22	30.00	Pass
30KHz	40MHz	LCH	DFT-64QAM	23.72	23.72	23.53	22.57	30.00	Pass
30KHz	40MHz	LCH	DFT-256QAM	21.73	21.69	21.58	20.58	30.00	Pass
30KHz	40MHz	LCH	CP-QPSK	24.65	24.61	24.55	23.50	30.00	Pass
30KHz	40MHz	MCH	DFT-Pi2BPSK	26.29	26.27	26.11	25.14	30.00	Pass
30KHz	40MHz	MCH	DFT-QPSK	26.28	26.13	26.04	25.13	30.00	Pass
30KHz	40MHz	MCH	DFT-16QAM	25.82	25.73	25.67	24.67	30.00	Pass
30KHz	40MHz	MCH	DFT-64QAM	24.31	24.12	24.07	23.16	30.00	Pass
30KHz	40MHz	MCH	DFT-256QAM	22.45	22.21	22.11	21.30	30.00	Pass
30KHz	40MHz	MCH	CP-QPSK	25.42	25.39	25.23	24.27	30.00	Pass
30KHz	40MHz	HCH	DFT-Pi2BPSK	26.42	26.39	26.32	25.27	30.00	Pass
30KHz	40MHz	HCH	DFT-QPSK	26.47	26.44	26.34	25.32	30.00	Pass
30KHz	40MHz	HCH	DFT-16QAM	25.40	25.41	25.35	24.26	30.00	Pass
30KHz	40MHz	HCH	DFT-64QAM	23.80	23.68	23.78	22.65	30.00	Pass
30KHz	40MHz	HCH	DFT-256QAM	21.85	21.85	21.83	20.70	30.00	Pass
30KHz	40MHz	HCH	CP-QPSK	24.91	24.92	24.89	23.77	30.00	Pass
30KHz	50MHz	LCH	DFT-Pi2BPSK	25.73	25.76	25.84	24.69	30.00	Pass
30KHz	50MHz	LCH	DFT-QPSK	25.75	25.80	25.85	24.70	30.00	Pass
30KHz	50MHz	LCH	DFT-16QAM	24.90	24.82	24.85	23.75	30.00	Pass
30KHz	50MHz	LCH	DFT-64QAM	23.24	23.22	23.38	22.23	30.00	Pass
30KHz	50MHz	LCH	DFT-256QAM	21.24	21.24	21.34	20.19	30.00	Pass
30KHz	50MHz	LCH	CP-QPSK	24.22	24.29	24.29	23.14	30.00	Pass
30KHz	50MHz	MCH	DFT-Pi2BPSK	25.93	25.98	25.96	24.83	30.00	Pass
30KHz	50MHz	MCH	DFT-QPSK	25.90	25.99	25.95	24.84	30.00	Pass
30KHz	50MHz	MCH	DFT-16QAM	25.60	25.60	25.53	24.45	30.00	Pass
30KHz	50MHz	MCH	DFT-64QAM	24.07	24.12	24.03	22.97	30.00	Pass
30KHz	50MHz	MCH	DFT-256QAM	21.98	22.06	22.09	20.94	30.00	Pass
30KHz	50MHz	MCH	CP-QPSK	25.15	25.14	25.07	24.00	30.00	Pass
30KHz	50MHz	HCH	DFT-Pi2BPSK	26.02	26.04	25.94	24.89	30.00	Pass
30KHz	50MHz	HCH	DFT-QPSK	26.07	26.08	25.99	24.93	30.00	Pass
30KHz	50MHz	HCH	DFT-16QAM	25.06	25.05	24.97	23.91	30.00	Pass
30KHz	50MHz	HCH	DFT-64QAM	23.47	23.35	23.48	22.33	30.00	Pass
30KHz	50MHz	HCH	DFT-256QAM	21.59	21.51	21.49	20.44	30.00	Pass
30KHz	50MHz	HCH	CP-QPSK	24.52	24.53	24.48	23.38	30.00	Pass
30KHz	60MHz	LCH	DFT-Pi2BPSK	25.69	25.80	25.80	24.65	30.00	Pass
30KHz	60MHz	LCH	DFT-QPSK	25.62	25.80	25.76	24.65	30.00	Pass
30KHz	60MHz	LCH	DFT-16QAM	24.74	24.93	24.74	23.78	30.00	Pass
30KHz	60MHz	LCH	DFT-64QAM	23.14	23.23	23.27	22.12	30.00	Pass
30KHz	60MHz	LCH	DFT-256QAM	21.20	21.29	21.31	20.16	30.00	Pass
30KHz	60MHz	LCH	CP-QPSK	24.21	24.28	24.30	23.15	30.00	Pass
30KHz	60MHz	MCH	DFT-Pi2BPSK	25.80	25.96	25.92	24.81	30.00	Pass
30KHz	60MHz	MCH	DFT-QPSK	25.96	25.92	25.90	24.81	30.00	Pass
30KHz	60MHz	MCH	DFT-16QAM	25.54	25.57	25.59	24.44	30.00	Pass
30KHz	60MHz	MCH	DFT-64QAM	24.02	24.07	24.05	22.92	30.00	Pass
30KHz	60MHz	MCH	DFT-256QAM	22.08	22.11	22.04	20.96	30.00	Pass
30KHz	60MHz	MCH	CP-QPSK	25.07	25.07	25.10	23.95	30.00	Pass

30KHz	60MHz	HCH	DFT-Pi2BPSK	26.00	26.19	25.94	25.04	30.00	Pass
30KHz	60MHz	HCH	DFT-QPSK	25.95	26.14	25.97	24.99	30.00	Pass
30KHz	60MHz	HCH	DFT-16QAM	25.60	25.67	25.58	24.52	30.00	Pass
30KHz	60MHz	HCH	DFT-64QAM	24.02	24.19	24.04	23.04	30.00	Pass
30KHz	60MHz	HCH	DFT-256QAM	22.00	22.16	22.10	21.01	30.00	Pass
30KHz	60MHz	HCH	CP-QPSK	25.11	25.20	25.15	24.05	30.00	Pass
30KHz	70MHz	LCH	DFT-Pi2BPSK	25.63	25.79	25.68	24.64	30.00	Pass
30KHz	70MHz	LCH	DFT-QPSK	25.55	25.68	25.69	24.54	30.00	Pass
30KHz	70MHz	LCH	DFT-16QAM	24.62	24.79	24.70	23.64	30.00	Pass
30KHz	70MHz	LCH	DFT-64QAM	23.03	23.22	23.18	22.07	30.00	Pass
30KHz	70MHz	LCH	DFT-256QAM	21.21	21.32	21.09	20.17	30.00	Pass
30KHz	70MHz	LCH	CP-QPSK	24.12	24.47	24.24	23.32	30.00	Pass
30KHz	70MHz	MCH	DFT-Pi2BPSK	25.91	25.76	25.82	24.76	30.00	Pass
30KHz	70MHz	MCH	DFT-QPSK	25.87	25.74	25.85	24.72	30.00	Pass
30KHz	70MHz	MCH	DFT-16QAM	25.57	25.43	25.42	24.42	30.00	Pass
30KHz	70MHz	MCH	DFT-64QAM	24.04	23.93	23.92	22.89	30.00	Pass
30KHz	70MHz	MCH	DFT-256QAM	21.95	21.91	21.84	20.80	30.00	Pass
30KHz	70MHz	MCH	CP-QPSK	25.09	25.02	24.95	23.94	30.00	Pass
30KHz	70MHz	HCH	DFT-Pi2BPSK	26.00	26.06	25.97	24.91	30.00	Pass
30KHz	70MHz	HCH	DFT-QPSK	26.00	26.05	26.06	24.91	30.00	Pass
30KHz	70MHz	HCH	DFT-16QAM	25.72	25.70	25.64	24.57	30.00	Pass
30KHz	70MHz	HCH	DFT-64QAM	24.19	24.28	24.11	23.13	30.00	Pass
30KHz	70MHz	HCH	DFT-256QAM	22.03	22.16	22.10	21.01	30.00	Pass
30KHz	70MHz	HCH	CP-QPSK	25.37	25.30	25.12	24.22	30.00	Pass
30KHz	80MHz	LCH	DFT-Pi2BPSK	25.58	25.88	25.67	24.73	30.00	Pass
30KHz	80MHz	LCH	DFT-QPSK	25.52	25.86	25.70	24.71	30.00	Pass
30KHz	80MHz	LCH	DFT-16QAM	24.50	24.87	24.76	23.72	30.00	Pass
30KHz	80MHz	LCH	DFT-64QAM	23.11	23.42	23.25	22.27	30.00	Pass
30KHz	80MHz	LCH	DFT-256QAM	21.04	21.45	21.16	20.30	30.00	Pass
30KHz	80MHz	LCH	CP-QPSK	24.06	24.48	24.25	23.33	30.00	Pass
30KHz	80MHz	MCH	DFT-Pi2BPSK	25.80	25.97	25.74	24.82	30.00	Pass
30KHz	80MHz	MCH	DFT-QPSK	25.82	25.93	25.79	24.78	30.00	Pass
30KHz	80MHz	MCH	DFT-16QAM	25.57	25.56	25.43	24.42	30.00	Pass
30KHz	80MHz	MCH	DFT-64QAM	24.07	24.15	23.91	23.00	30.00	Pass
30KHz	80MHz	MCH	DFT-256QAM	21.90	21.98	21.89	20.83	30.00	Pass
30KHz	80MHz	MCH	CP-QPSK	25.09	25.07	24.94	23.94	30.00	Pass
30KHz	80MHz	HCH	DFT-Pi2BPSK	25.88	26.09	26.02	24.94	30.00	Pass
30KHz	80MHz	HCH	DFT-QPSK	25.89	26.12	26.01	24.97	30.00	Pass
30KHz	80MHz	HCH	DFT-16QAM	25.54	25.72	25.57	24.57	30.00	Pass
30KHz	80MHz	HCH	DFT-64QAM	23.93	24.08	24.03	22.93	30.00	Pass
30KHz	80MHz	HCH	DFT-256QAM	21.87	22.12	22.08	20.97	30.00	Pass
30KHz	80MHz	HCH	CP-QPSK	25.21	25.24	25.16	24.09	30.00	Pass
30KHz	90MHz	LCH	DFT-Pi2BPSK	25.58	26.04	25.75	24.89	30.00	Pass
30KHz	90MHz	LCH	DFT-QPSK	25.66	26.04	25.77	24.89	30.00	Pass
30KHz	90MHz	LCH	DFT-16QAM	24.72	25.12	24.81	23.97	30.00	Pass
30KHz	90MHz	LCH	DFT-64QAM	23.13	23.47	23.28	22.32	30.00	Pass
30KHz	90MHz	LCH	DFT-256QAM	21.14	21.59	21.22	20.44	30.00	Pass
30KHz	90MHz	LCH	CP-QPSK	24.23	24.49	24.32	23.34	30.00	Pass
30KHz	90MHz	MCH	DFT-Pi2BPSK	25.78	26.02	25.82	24.87	30.00	Pass
30KHz	90MHz	MCH	DFT-QPSK	25.85	26.07	25.78	24.92	30.00	Pass
30KHz	90MHz	MCH	DFT-16QAM	25.43	25.61	25.46	24.46	30.00	Pass
30KHz	90MHz	MCH	DFT-64QAM	23.88	24.02	23.92	22.87	30.00	Pass
30KHz	90MHz	MCH	DFT-256QAM	21.90	22.09	21.90	20.94	30.00	Pass
30KHz	90MHz	MCH	CP-QPSK	25.07	25.17	24.97	24.02	30.00	Pass
30KHz	90MHz	HCH	DFT-Pi2BPSK	25.75	26.16	26.00	25.01	30.00	Pass
30KHz	90MHz	HCH	DFT-QPSK	25.67	26.13	26.00	24.98	30.00	Pass
30KHz	90MHz	HCH	DFT-16QAM	25.30	25.67	25.61	24.52	30.00	Pass
30KHz	90MHz	HCH	DFT-64QAM	23.84	24.24	24.06	23.09	30.00	Pass
30KHz	90MHz	HCH	DFT-256QAM	21.82	22.12	22.01	20.97	30.00	Pass
30KHz	90MHz	HCH	CP-QPSK	24.97	25.23	25.16	24.08	30.00	Pass
30KHz	100MHz	LCH	DFT-Pi2BPSK	25.54	26.08	25.81	24.93	30.00	Pass
30KHz	100MHz	LCH	DFT-QPSK	25.58	26.10	25.84	24.95	30.00	Pass

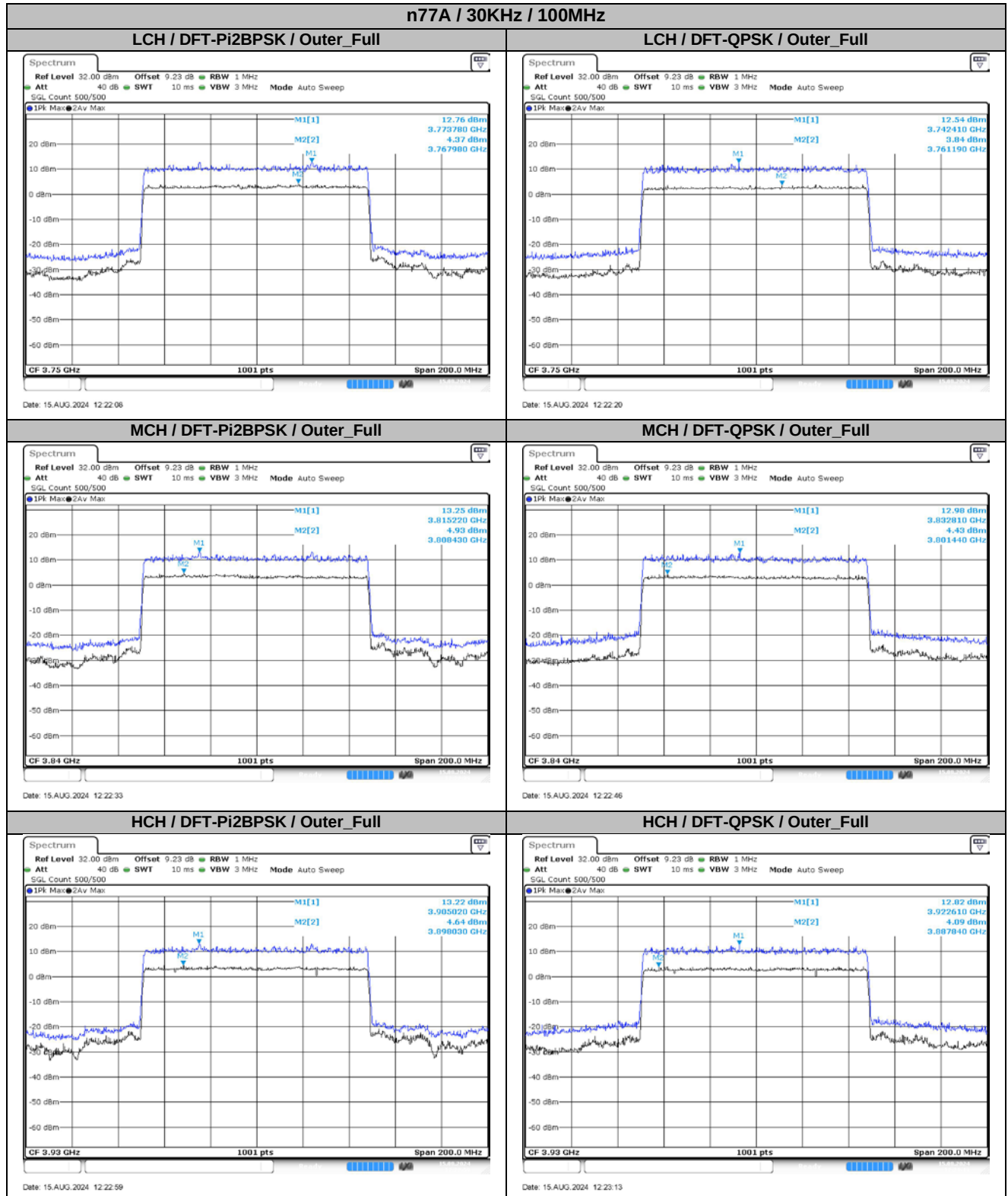
30KHz	100MHz	LCH	DFT-16QAM	24.69	25.15	24.78	24.00	30.00	Pass
30KHz	100MHz	LCH	DFT-64QAM	23.10	23.65	23.27	22.50	30.00	Pass
30KHz	100MHz	LCH	DFT-256QAM	21.15	21.63	21.31	20.48	30.00	Pass
30KHz	100MHz	LCH	CP-QPSK	24.16	24.65	24.24	23.50	30.00	Pass
30KHz	100MHz	MCH	DFT-Pi2BPSK	25.82	26.10	25.85	24.95	30.00	Pass
30KHz	100MHz	MCH	DFT-QPSK	25.87	26.07	25.82	24.92	30.00	Pass
30KHz	100MHz	MCH	DFT-16QAM	25.46	25.69	25.48	24.54	30.00	Pass
30KHz	100MHz	MCH	DFT-64QAM	24.03	24.26	23.97	23.11	30.00	Pass
30KHz	100MHz	MCH	DFT-256QAM	21.96	22.25	21.95	21.10	30.00	Pass
30KHz	100MHz	MCH	CP-QPSK	25.01	25.22	24.96	24.07	30.00	Pass
30KHz	100MHz	HCH	DFT-Pi2BPSK	25.71	26.20	26.04	25.05	30.00	Pass
30KHz	100MHz	HCH	DFT-QPSK	25.77	26.24	26.03	25.09	30.00	Pass
30KHz	100MHz	HCH	DFT-16QAM	25.36	25.82	25.70	24.67	30.00	Pass
30KHz	100MHz	HCH	DFT-64QAM	23.84	24.28	24.14	23.13	30.00	Pass
30KHz	100MHz	HCH	DFT-256QAM	21.81	22.31	22.06	21.16	30.00	Pass
30KHz	100MHz	HCH	CP-QPSK	24.90	25.44	25.19	24.29	30.00	Pass

2. Peak-to-Average Ratio

2.1. Test Results

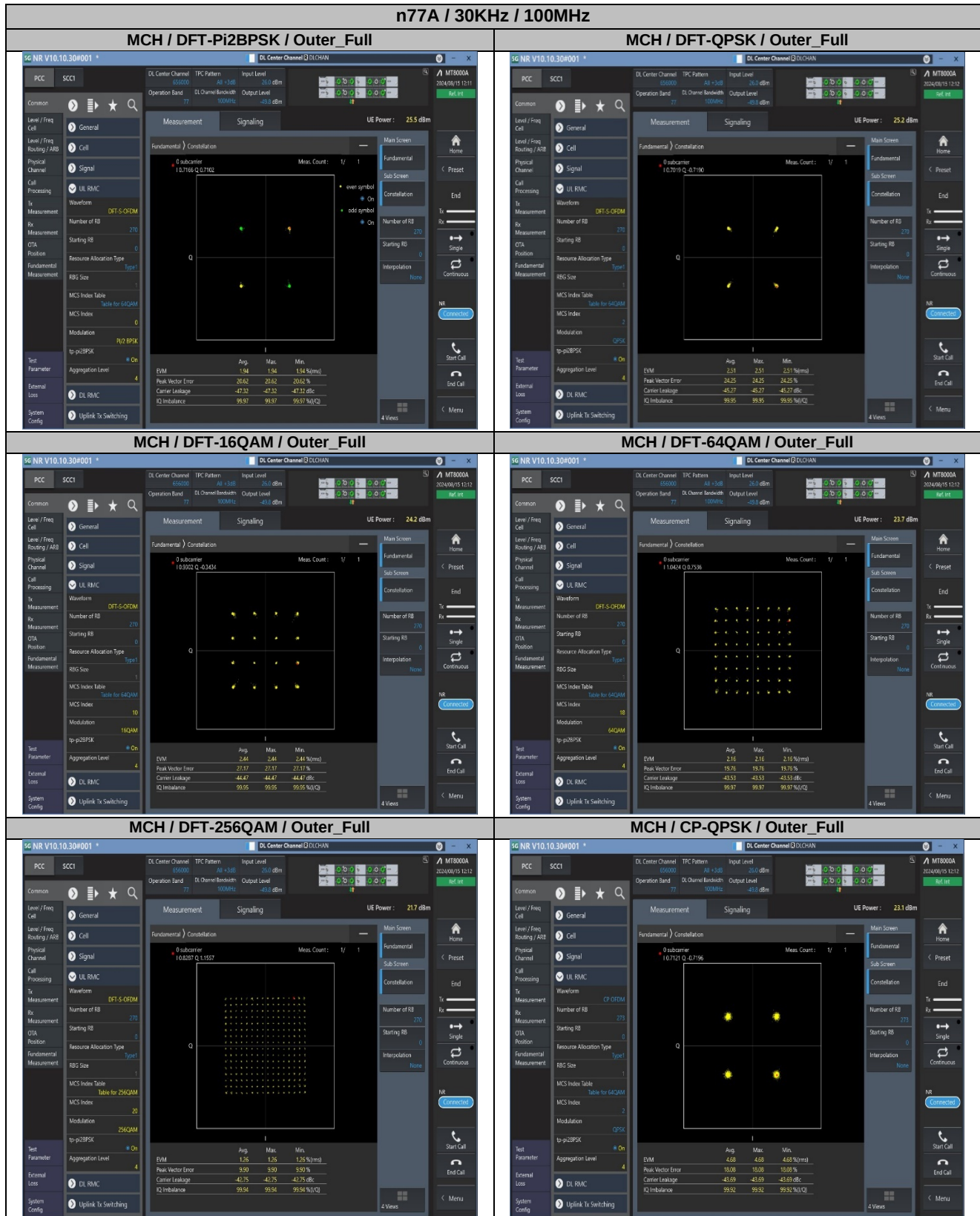
SCS	Bandwidth	Channel	RB	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
30KHz	100MHz	LCH	Outer_Full	8.40	8.70	13.00	Pass
30KHz	100MHz	MCH	Outer_Full	8.32	8.56	13.00	Pass
30KHz	100MHz	HCH	Outer_Full	8.58	8.73	13.00	Pass

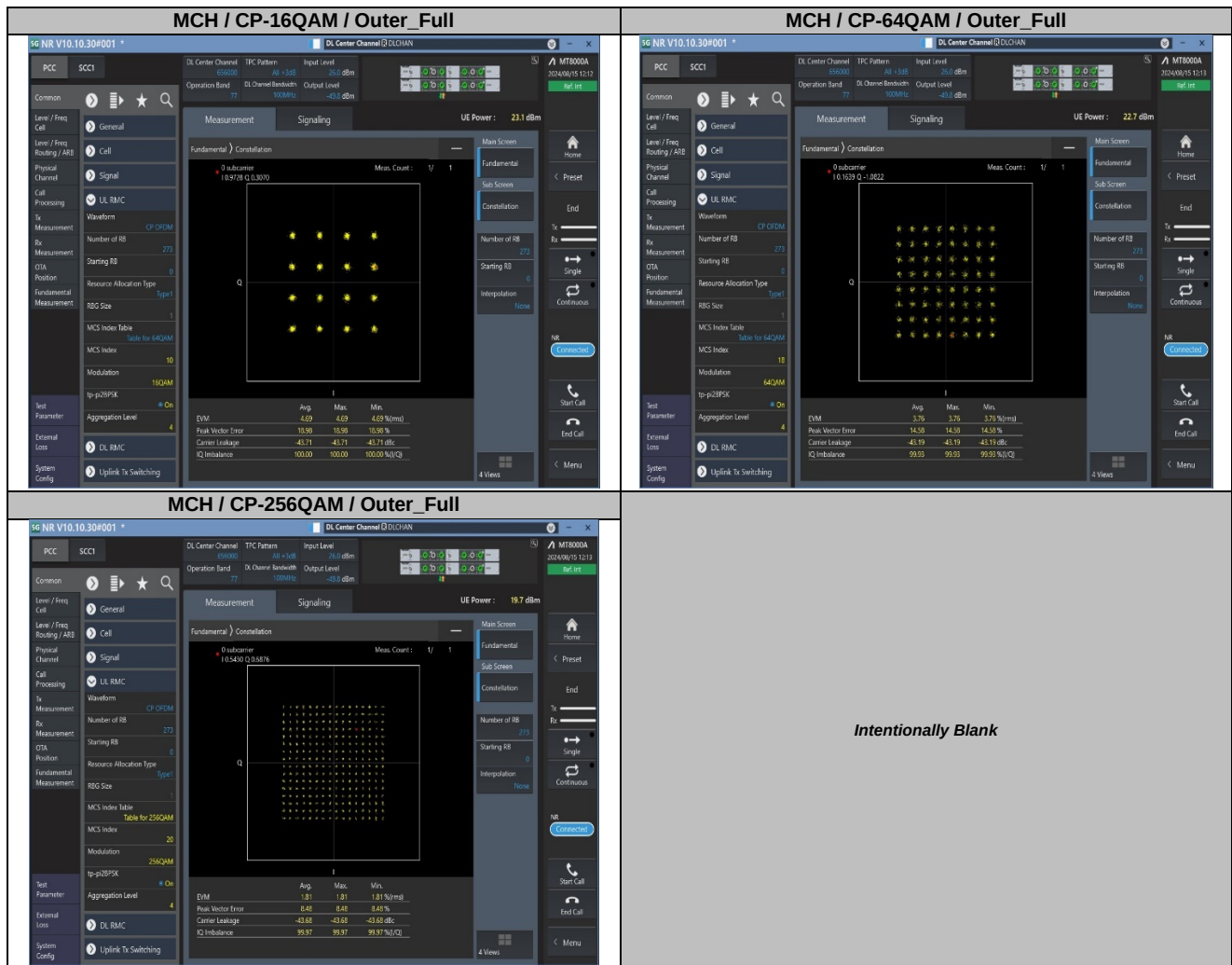
2.2. Test Plots



3. Modulation Characteristics

3.1. Test Plots





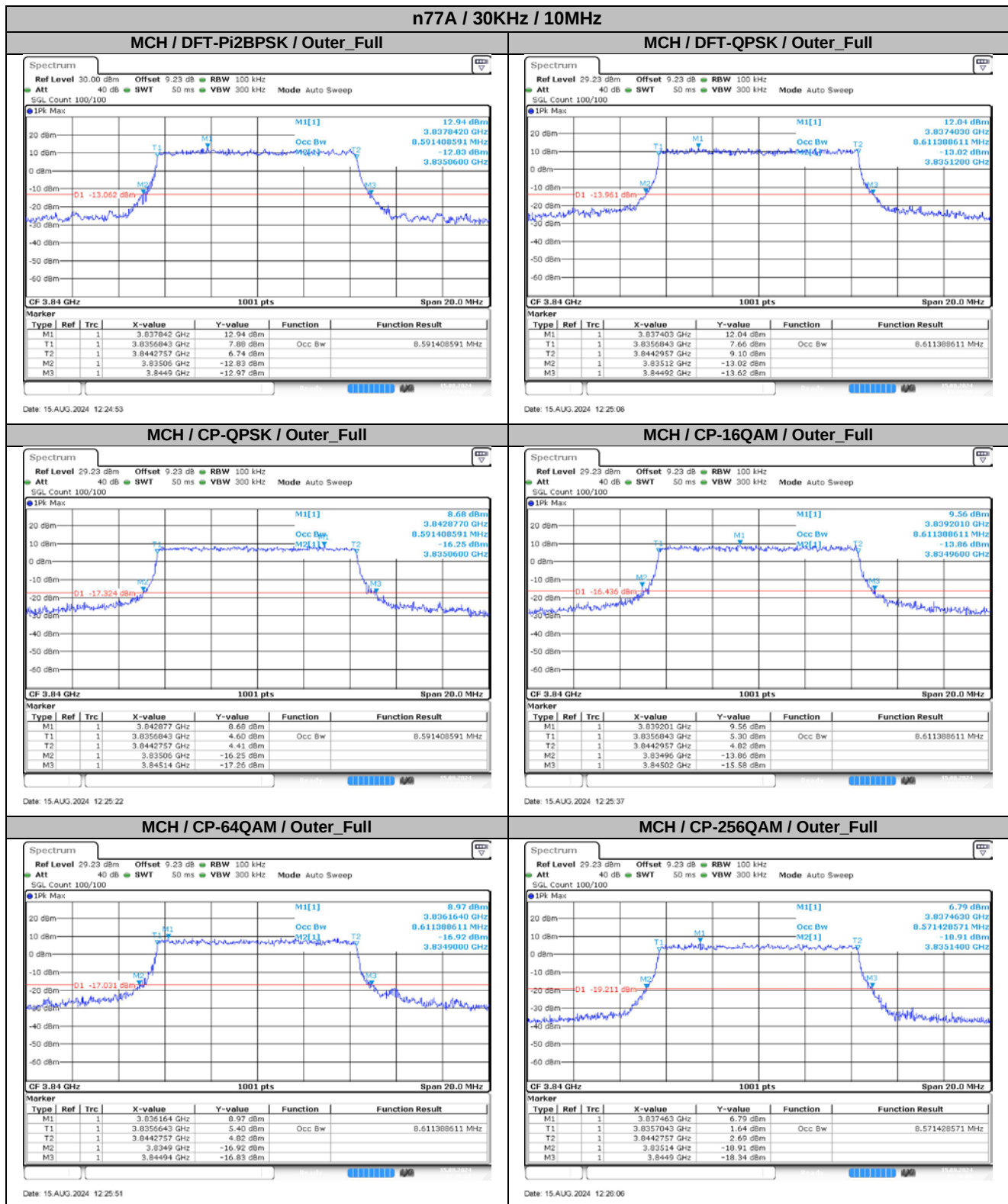
4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

4.1. Test Results

SCS	Bandwidth	Modulation	RB	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
30KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.59	9.84	Pass
30KHz	10MHz	DFT-QPSK	Outer_Full	8.61	9.80	Pass
30KHz	10MHz	CP-QPSK	Outer_Full	8.59	10.08	Pass
30KHz	10MHz	CP-16QAM	Outer_Full	8.61	10.06	Pass
30KHz	10MHz	CP-64QAM	Outer_Full	8.61	10.04	Pass
30KHz	10MHz	CP-256QAM	Outer_Full	8.57	9.76	Pass
30KHz	15MHz	DFT-Pi2BPSK	Outer_Full	12.89	14.61	Pass
30KHz	15MHz	DFT-QPSK	Outer_Full	12.95	14.52	Pass
30KHz	15MHz	CP-QPSK	Outer_Full	13.61	15.12	Pass
30KHz	15MHz	CP-16QAM	Outer_Full	13.70	15.81	Pass
30KHz	15MHz	CP-64QAM	Outer_Full	13.64	15.39	Pass
30KHz	15MHz	CP-256QAM	Outer_Full	13.58	15.06	Pass
30KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.82	19.28	Pass
30KHz	20MHz	DFT-QPSK	Outer_Full	17.90	19.48	Pass
30KHz	20MHz	CP-QPSK	Outer_Full	18.18	19.76	Pass
30KHz	20MHz	CP-16QAM	Outer_Full	18.22	19.96	Pass
30KHz	20MHz	CP-64QAM	Outer_Full	18.26	19.72	Pass
30KHz	20MHz	CP-256QAM	Outer_Full	18.18	19.84	Pass
30KHz	30MHz	DFT-Pi2BPSK	Outer_Full	26.85	28.80	Pass
30KHz	30MHz	DFT-QPSK	Outer_Full	26.85	28.74	Pass
30KHz	30MHz	CP-QPSK	Outer_Full	27.87	30.78	Pass

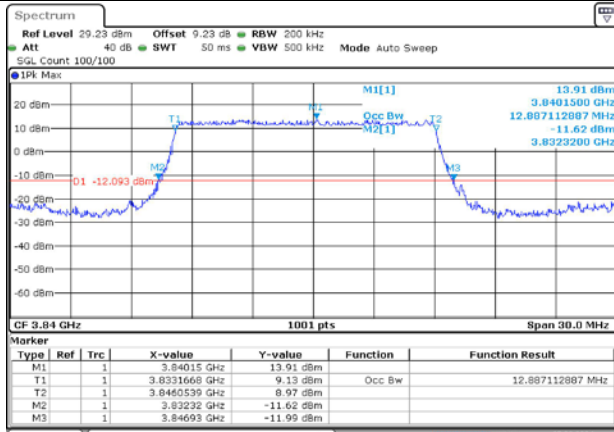
30KHz	30MHz	CP-16QAM	Outer_Full	27.87	29.88	Pass
30KHz	30MHz	CP-64QAM	Outer_Full	27.87	29.64	Pass
30KHz	30MHz	CP-256QAM	Outer_Full	27.87	29.70	Pass
30KHz	40MHz	DFT-Pi2BPSK	Outer_Full	35.64	38.00	Pass
30KHz	40MHz	DFT-QPSK	Outer_Full	35.72	37.68	Pass
30KHz	40MHz	CP-QPSK	Outer_Full	37.96	40.00	Pass
30KHz	40MHz	CP-16QAM	Outer_Full	37.80	40.24	Pass
30KHz	40MHz	CP-64QAM	Outer_Full	37.88	40.32	Pass
30KHz	40MHz	CP-256QAM	Outer_Full	37.88	40.16	Pass
30KHz	50MHz	DFT-Pi2BPSK	Outer_Full	45.75	48.10	Pass
30KHz	50MHz	DFT-QPSK	Outer_Full	45.75	47.90	Pass
30KHz	50MHz	CP-QPSK	Outer_Full	47.45	49.90	Pass
30KHz	50MHz	CP-16QAM	Outer_Full	47.55	49.80	Pass
30KHz	50MHz	CP-64QAM	Outer_Full	47.55	49.80	Pass
30KHz	50MHz	CP-256QAM	Outer_Full	47.45	49.50	Pass
30KHz	60MHz	DFT-Pi2BPSK	Outer_Full	57.78	60.36	Pass
30KHz	60MHz	DFT-QPSK	Outer_Full	57.78	60.12	Pass
30KHz	60MHz	CP-QPSK	Outer_Full	57.78	60.36	Pass
30KHz	60MHz	CP-16QAM	Outer_Full	57.90	60.24	Pass
30KHz	60MHz	CP-64QAM	Outer_Full	57.78	60.24	Pass
30KHz	60MHz	CP-256QAM	Outer_Full	57.66	60.12	Pass
30KHz	70MHz	DFT-Pi2BPSK	Outer_Full	64.34	66.78	Pass
30KHz	70MHz	DFT-QPSK	Outer_Full	64.20	66.64	Pass
30KHz	70MHz	CP-QPSK	Outer_Full	67.41	72.94	Pass
30KHz	70MHz	CP-16QAM	Outer_Full	67.41	72.80	Pass
30KHz	70MHz	CP-64QAM	Outer_Full	67.41	69.72	Pass
30KHz	70MHz	CP-256QAM	Outer_Full	67.55	69.86	Pass
30KHz	80MHz	DFT-Pi2BPSK	Outer_Full	77.20	80.32	Pass
30KHz	80MHz	DFT-QPSK	Outer_Full	77.04	80.64	Pass
30KHz	80MHz	CP-QPSK	Outer_Full	77.36	80.96	Pass
30KHz	80MHz	CP-16QAM	Outer_Full	77.52	80.96	Pass
30KHz	80MHz	CP-64QAM	Outer_Full	77.52	80.64	Pass
30KHz	80MHz	CP-256QAM	Outer_Full	77.36	80.80	Pass
30KHz	90MHz	DFT-Pi2BPSK	Outer_Full	86.67	90.18	Pass
30KHz	90MHz	DFT-QPSK	Outer_Full	86.67	90.54	Pass
30KHz	90MHz	CP-QPSK	Outer_Full	87.39	90.72	Pass
30KHz	90MHz	CP-16QAM	Outer_Full	87.39	90.90	Pass
30KHz	90MHz	CP-64QAM	Outer_Full	87.39	91.08	Pass
30KHz	90MHz	CP-256QAM	Outer_Full	87.57	90.90	Pass
30KHz	100MHz	DFT-Pi2BPSK	Outer_Full	96.30	99.80	Pass
30KHz	100MHz	DFT-QPSK	Outer_Full	96.30	99.80	Pass
30KHz	100MHz	CP-QPSK	Outer_Full	97.30	101.20	Pass
30KHz	100MHz	CP-16QAM	Outer_Full	97.10	100.80	Pass
30KHz	100MHz	CP-64QAM	Outer_Full	97.50	101.20	Pass
30KHz	100MHz	CP-256QAM	Outer_Full	97.50	101.00	Pass

4.2. Test Plots



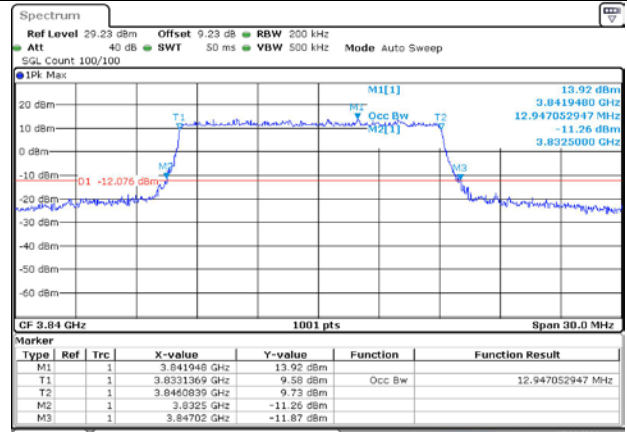
n77A / 30KHz / 15MHz

MCH / DFT-Pi2BPSK / Outer_Full



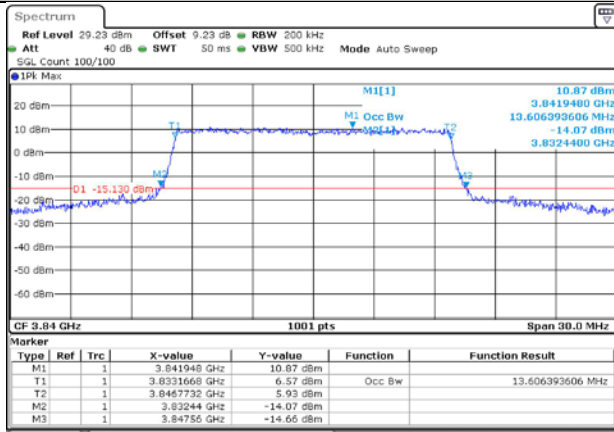
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MCH / DFT-QPSK / Outer_Full



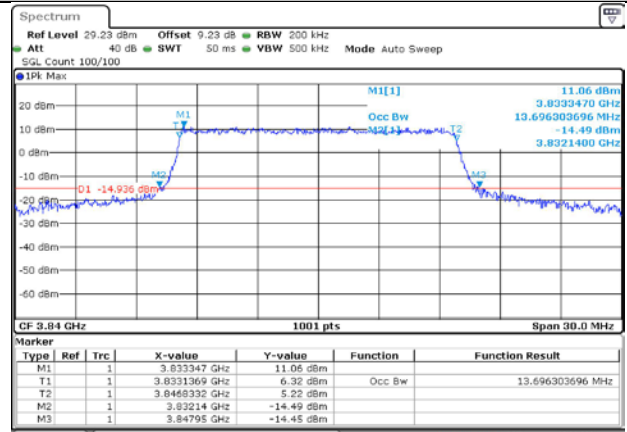
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MCH / CP-QPSK / Outer_Full



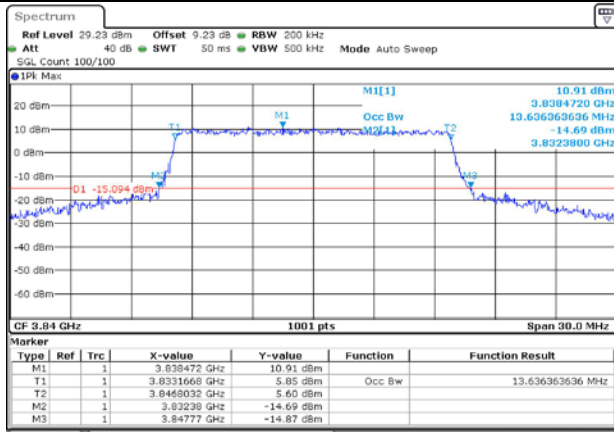
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MCH / CP-16QAM / Outer_Full



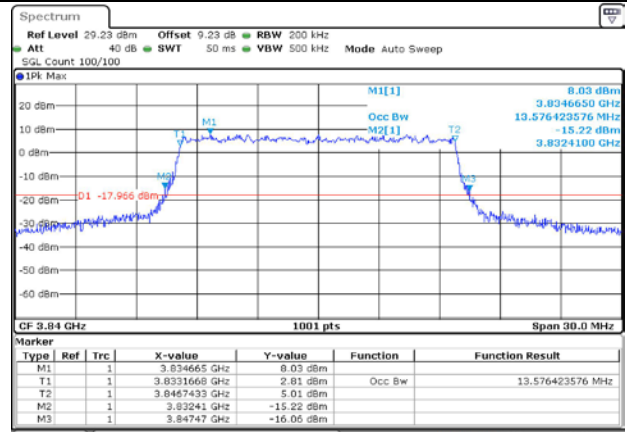
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MCH / CP-64QAM / Outer_Full

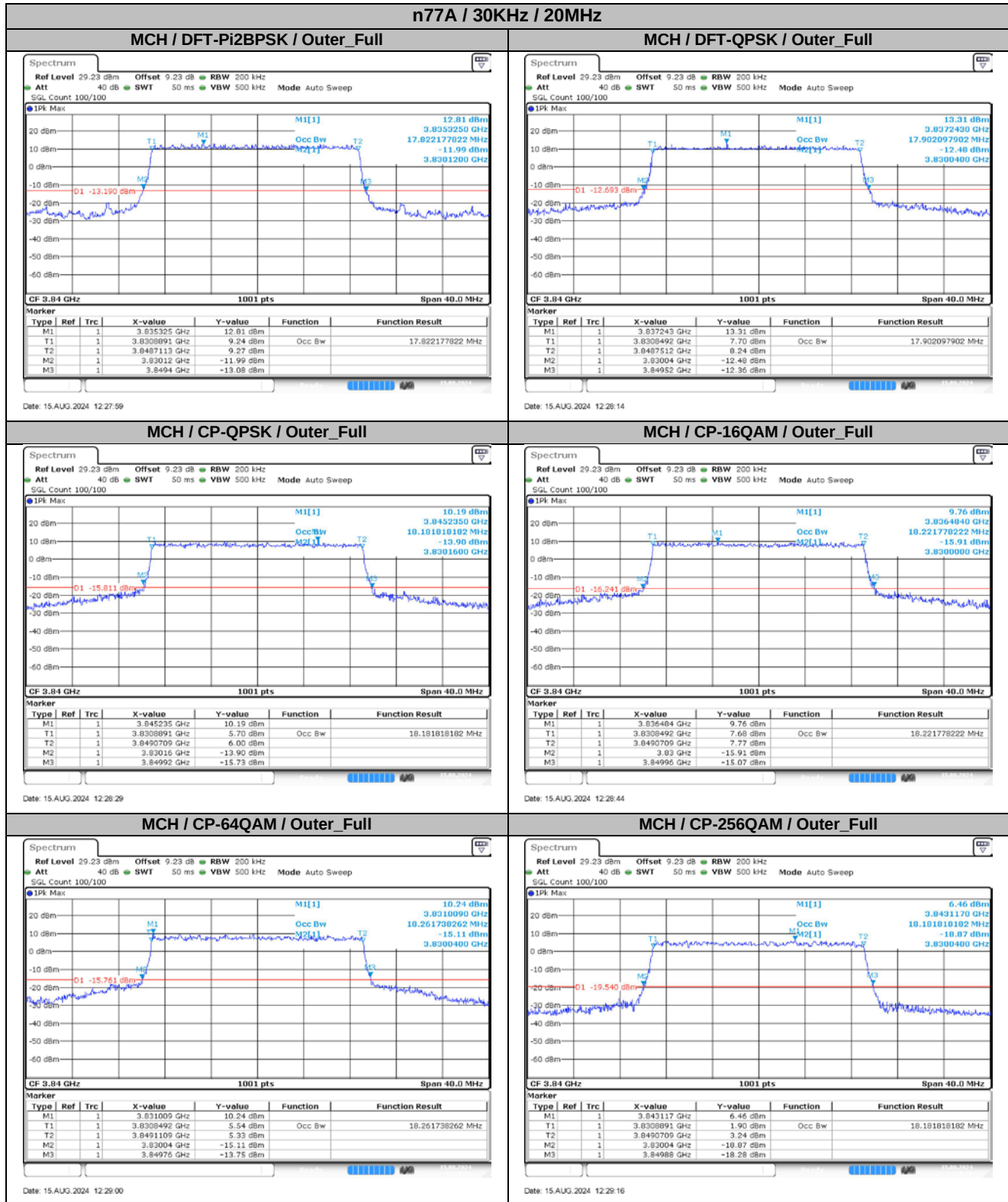


Date: 15.AUG.2024 12:27:25

MCH / CP-256QAM / Outer_Full

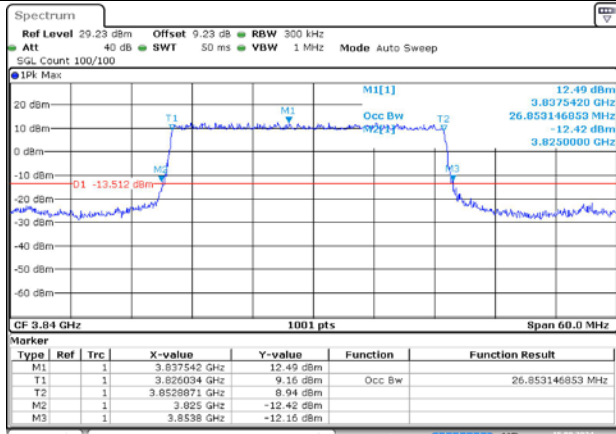


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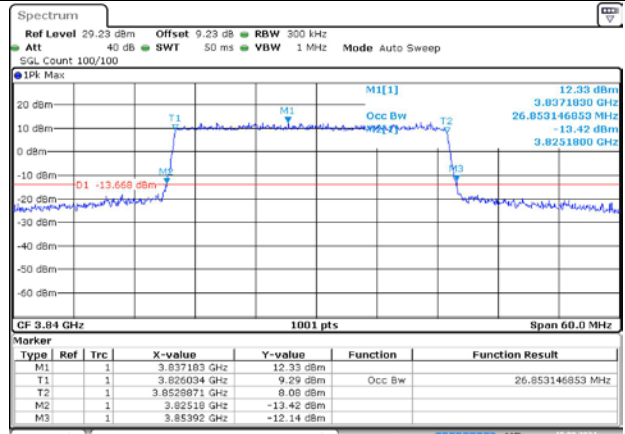
n77A / 30KHz / 30MHz

MCH / DFT-Pi2BPSK / Outer_Full



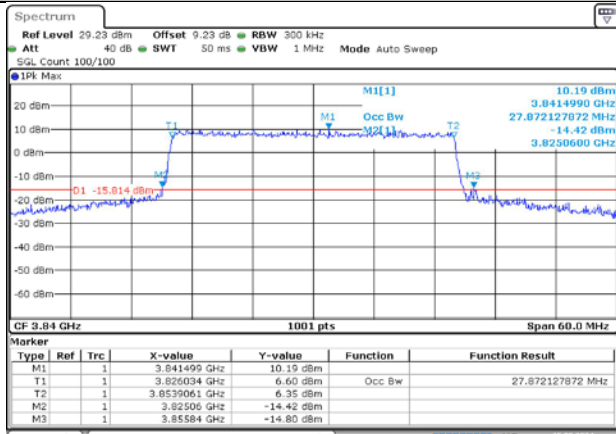
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MCH / DFT-QPSK / Outer_Full



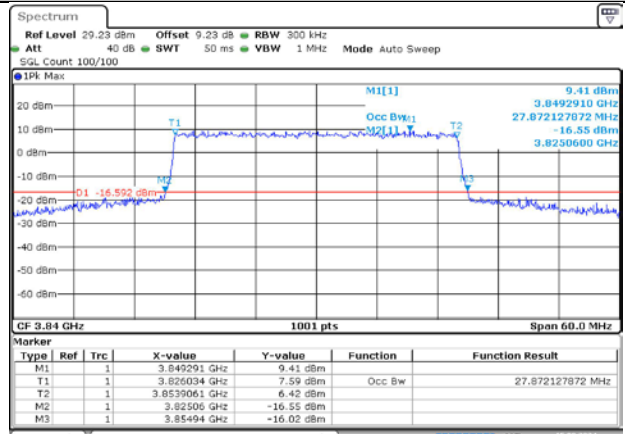
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MCH / CP-QPSK / Outer_Full



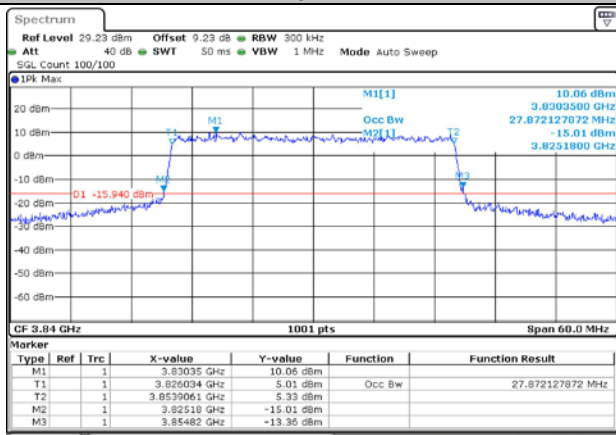
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MCH / CP-16QAM / Outer_Full



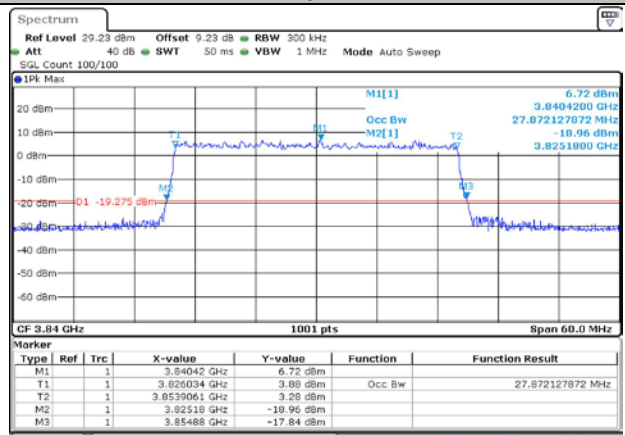
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MCH / CP-64QAM / Outer_Full



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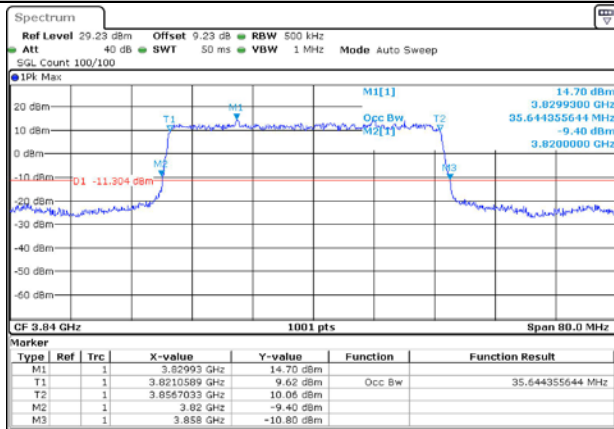
MCH / CP-256QAM / Outer_Full



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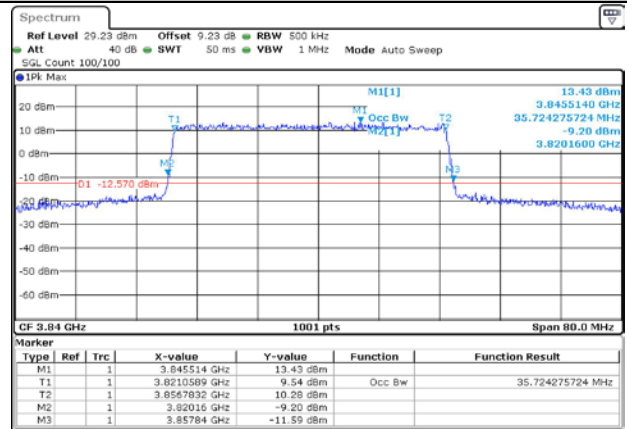
n77A / 30KHz / 40MHz

MCH / DFT-Pi2BPSK / Outer_Full



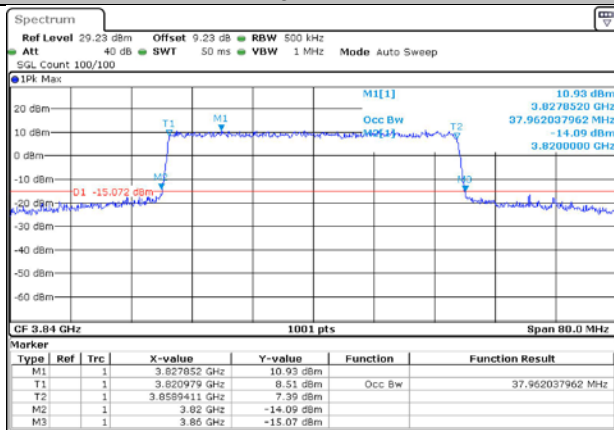
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MCH / DFT-QPSK / Outer_Full



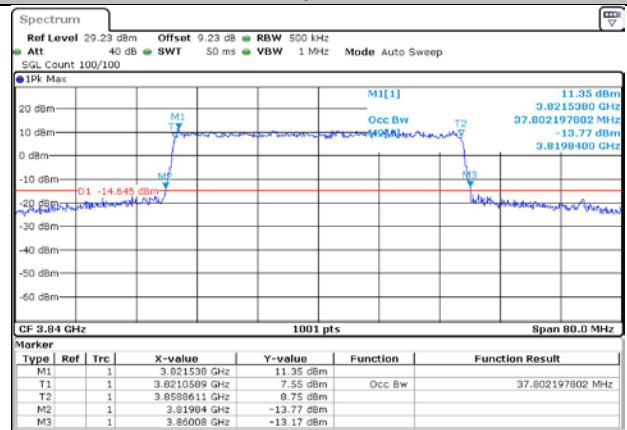
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MCH / CP-QPSK / Outer_Full



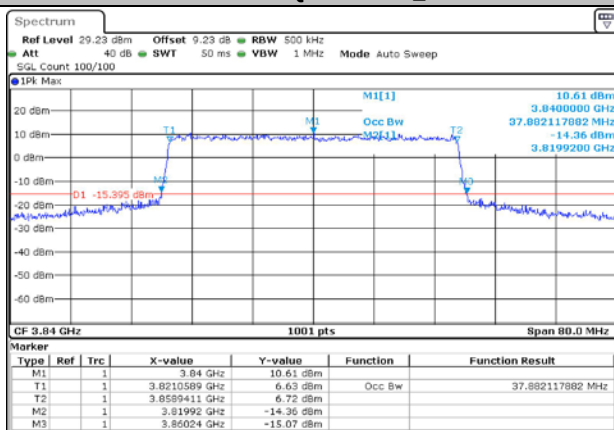
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MCH / CP-16QAM / Outer_Full



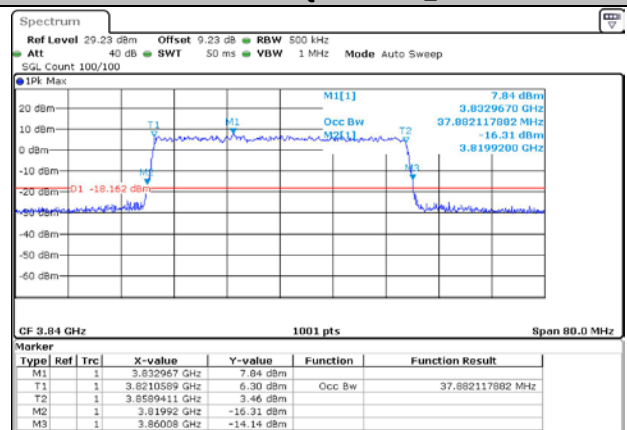
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MCH / CP-64QAM / Outer_Full



Date: 15.AUG.2024 12:31:56

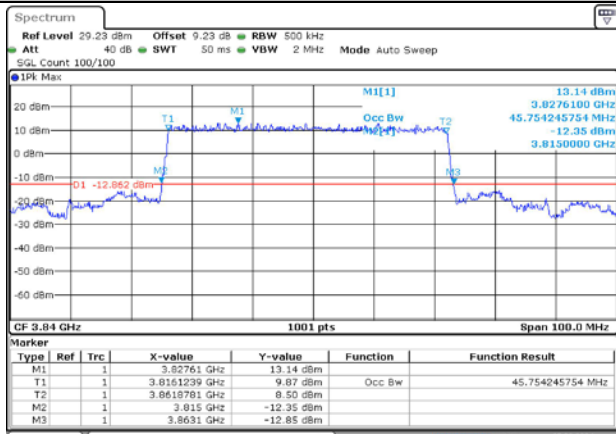
MCH / CP-256QAM / Outer_Full



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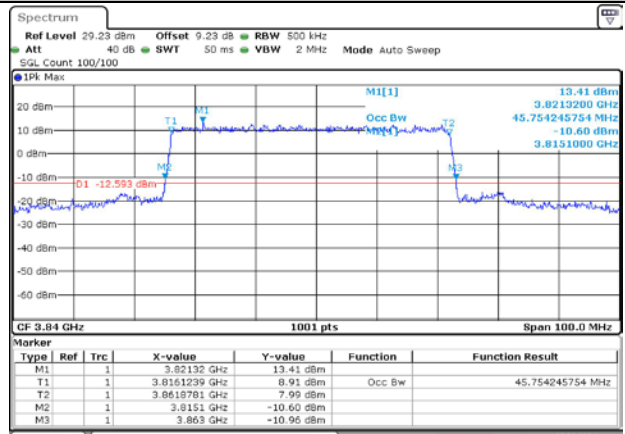
n77A / 30KHz / 50MHz

MCH / DFT-Pi2BPSK / Outer_Full



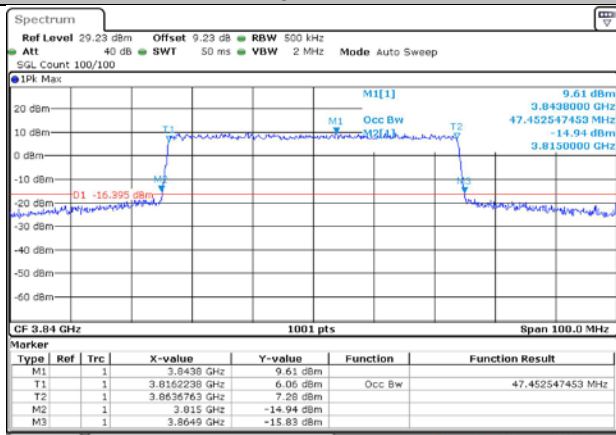
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MCH / DFT-QPSK / Outer_Full



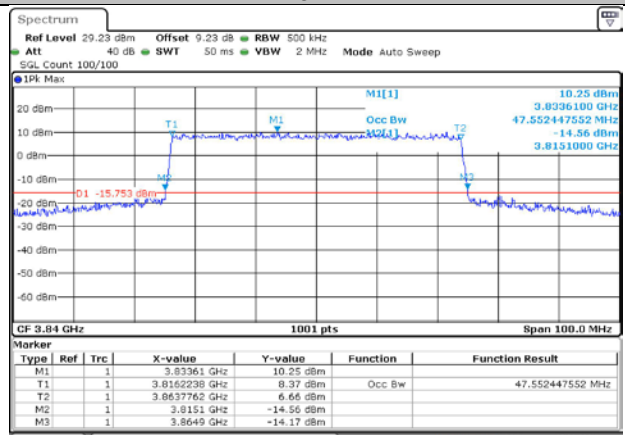
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MCH / CP-QPSK / Outer_Full



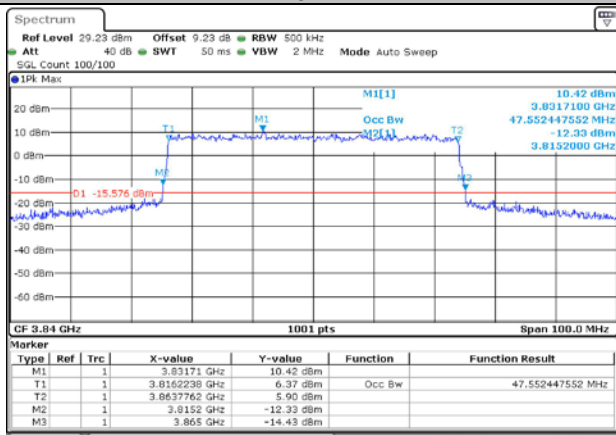
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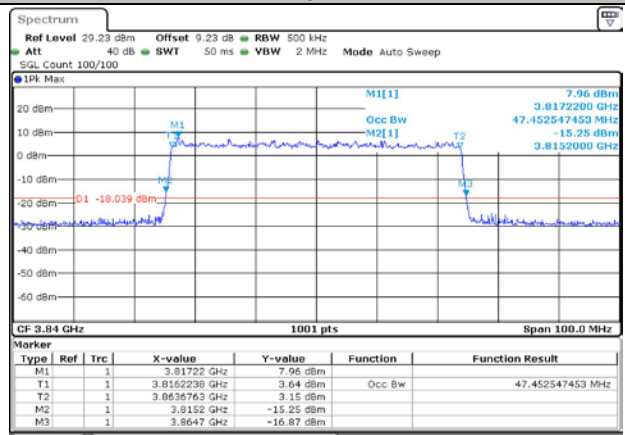
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MCH / CP-64QAM / Outer_Full



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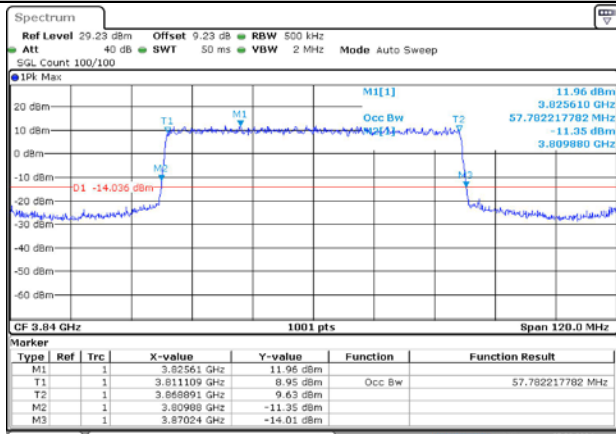
MCH / CP-256QAM / Outer_Full



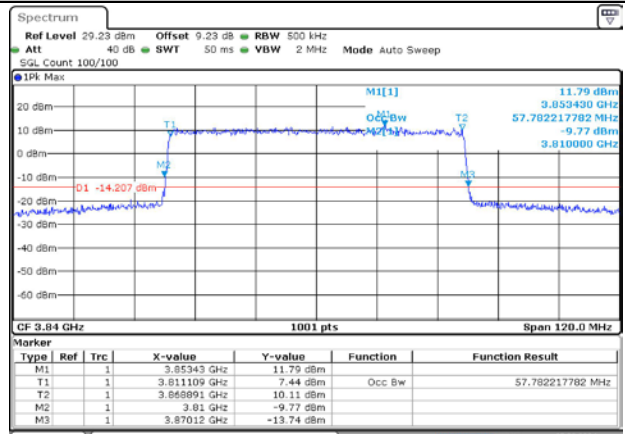
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n77A / 30KHz / 60MHz

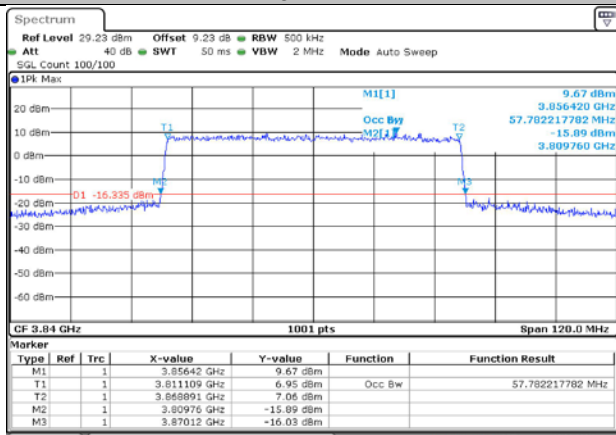
MCH / DFT-Pi2BPSK / Outer_Full



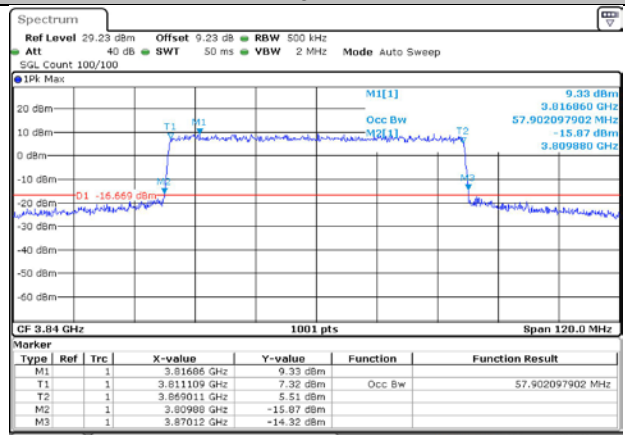
MCH / DFT-QPSK / Outer_Full



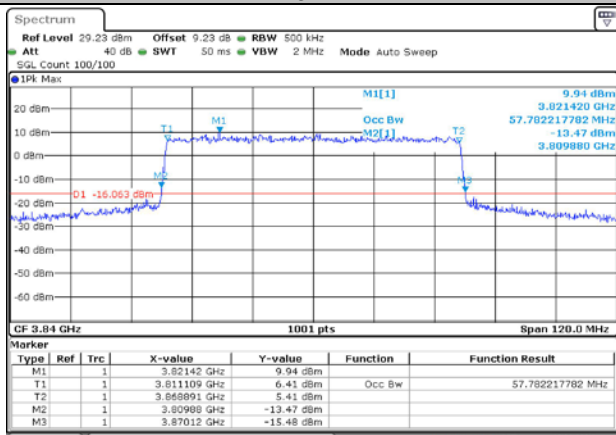
MCH / CP-QPSK / Outer_Full



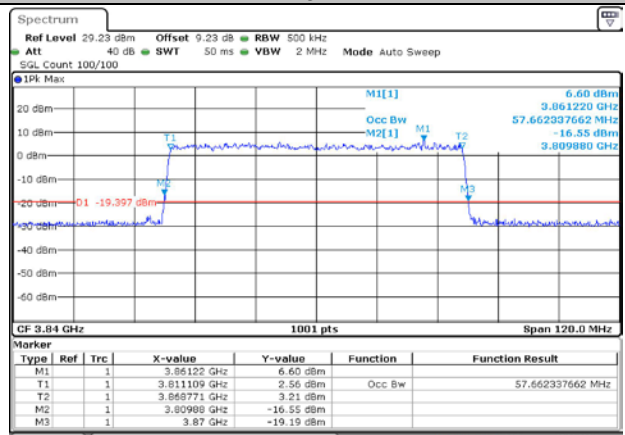
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

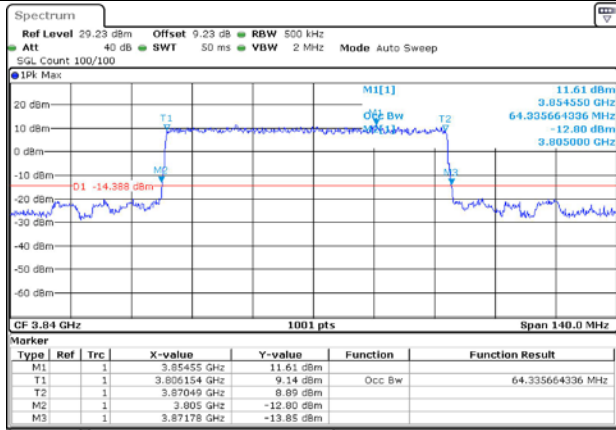


MCH / CP-256QAM / Outer_Full



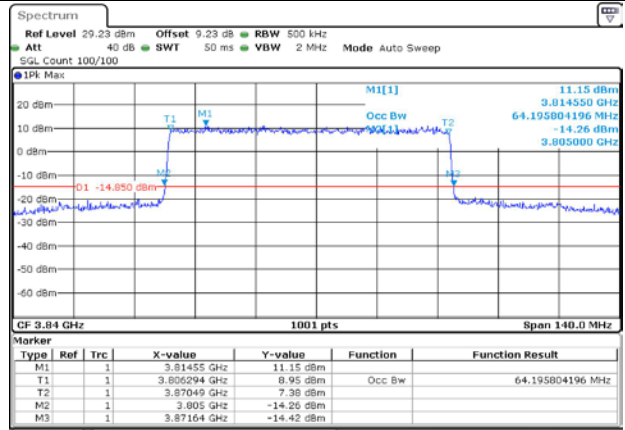
n77A / 30KHz / 70MHz

MCH / DFT-Pi2BPSK / Outer_Full



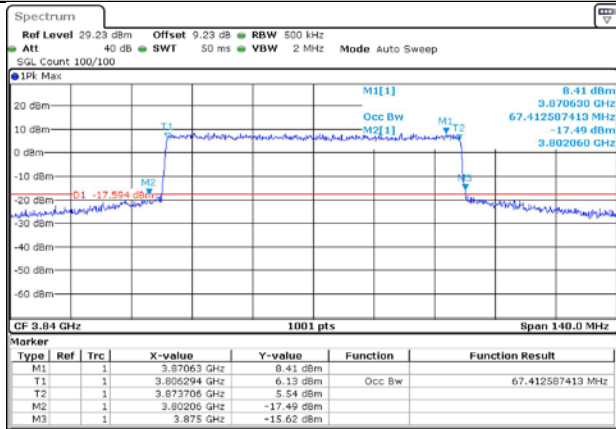
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MCH / DFT-QPSK / Outer_Full



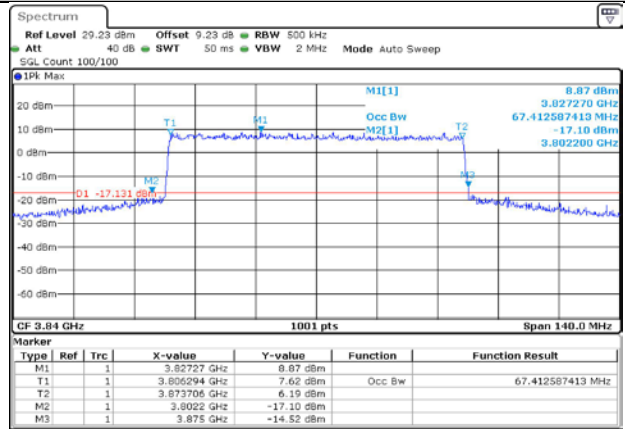
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MCH / CP-QPSK / Outer_Full



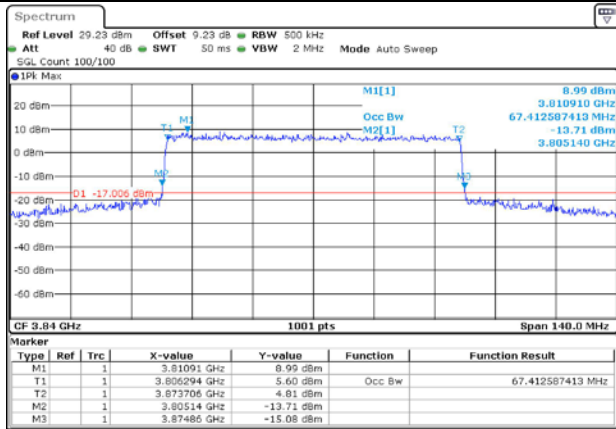
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MCH / CP-16QAM / Outer_Full



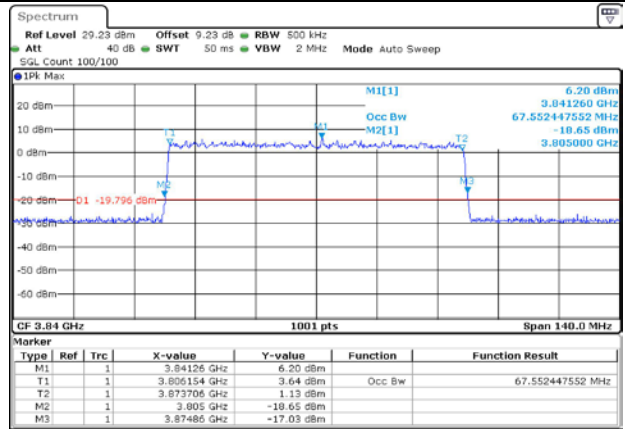
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MCH / CP-64QAM / Outer_Full



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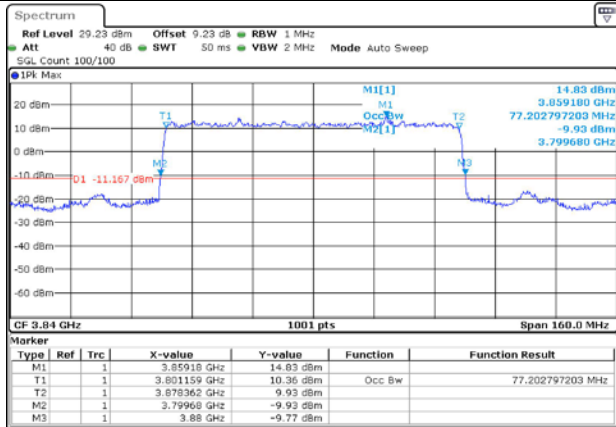
MCH / CP-256QAM / Outer_Full



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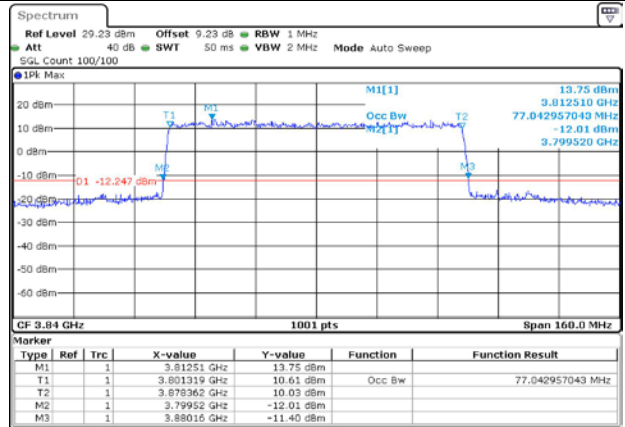
n77A / 30KHz / 80MHz

MCH / DFT-Pi2BPSK / Outer_Full



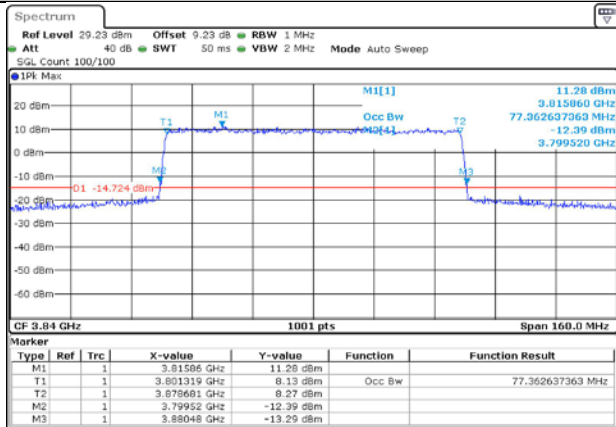
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MCH / DFT-QPSK / Outer_Full



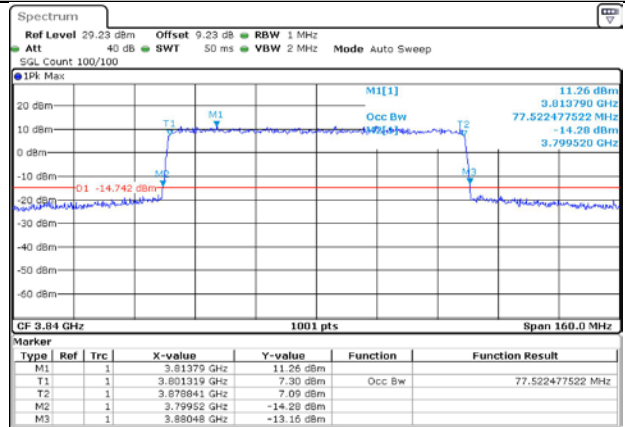
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MCH / CP-QPSK / Outer_Full



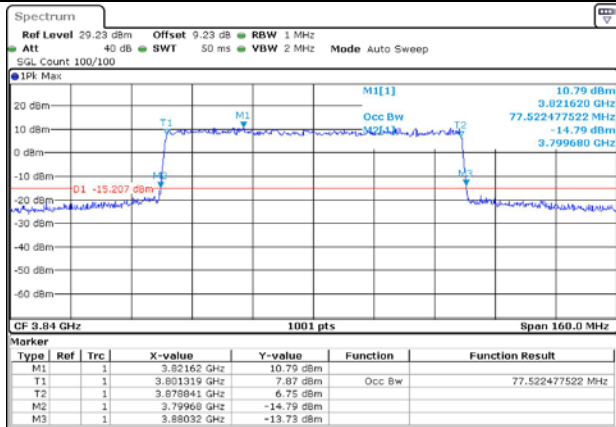
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MCH / CP-16QAM / Outer_Full



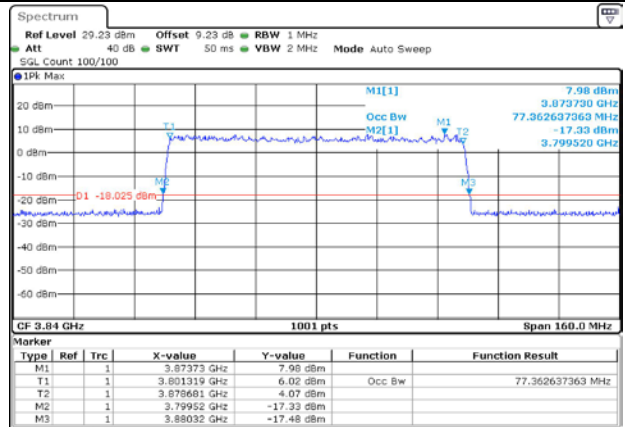
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MCH / CP-64QAM / Outer_Full



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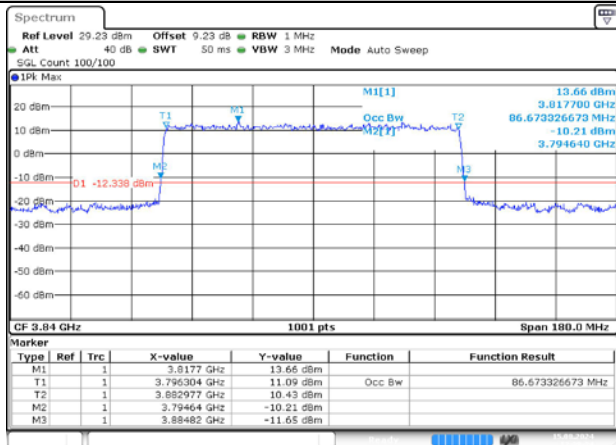
MCH / CP-256QAM / Outer_Full



Date: 15.AUG.2024 12:38:06

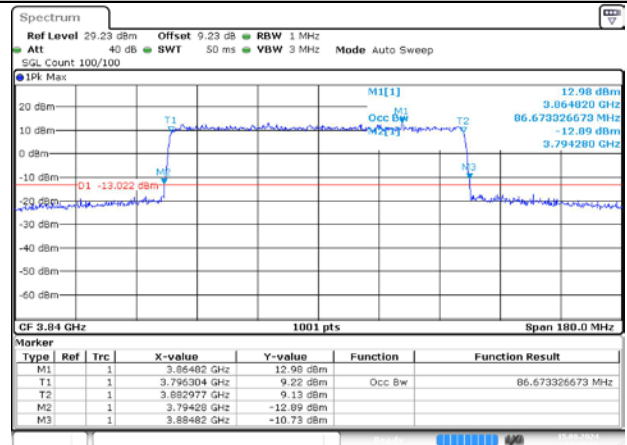
n77A / 30KHz / 90MHz

MCH / DFT-Pi2BPSK / Outer_Full



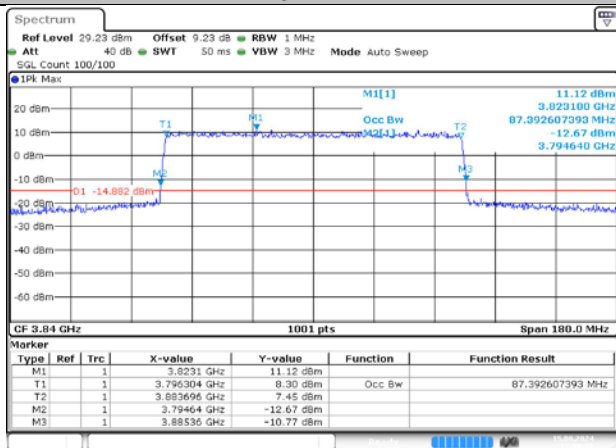
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MCH / DFT-QPSK / Outer_Full



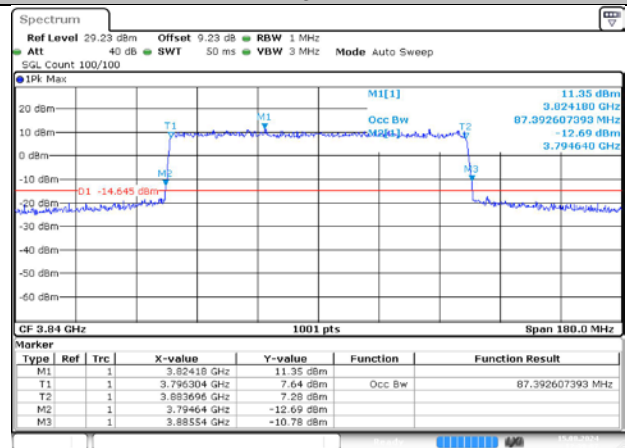
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MCH / CP-QPSK / Outer_Full



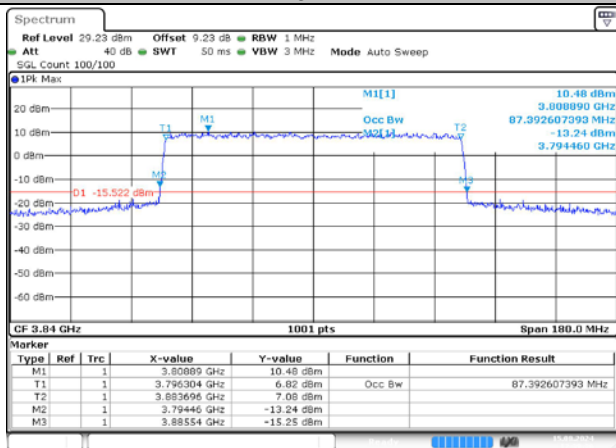
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MCH / CP-16QAM / Outer_Full



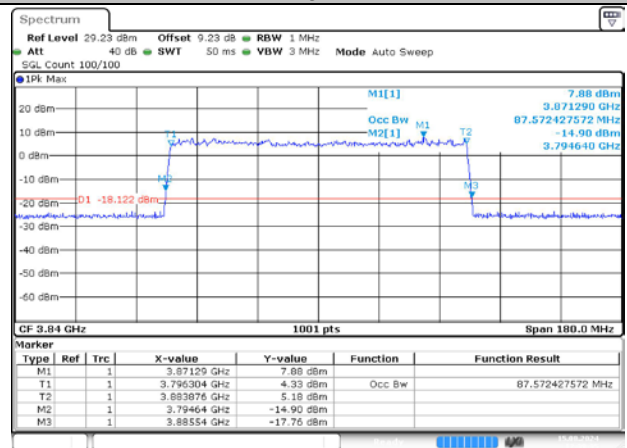
Date: 15.AUG.2024 12:39:06

MCH / CP-64QAM / Outer_Full



Date: 15.AUG.2024 12:39:20

MCH / CP-256QAM / Outer_Full



Date: 15.AUG.2024 12:39:35