

Appendix for n78A (3700-3800)

Catalogue

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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	26.08	26.11	26.14	24.99	30.00	Pass
30KHz	10MHz	LCH	DFT-QPSK	26.04	26.05	26.11	24.96	30.00	Pass
30KHz	10MHz	LCH	DFT-16QAM	24.97	24.96	25.15	24.00	30.00	Pass
30KHz	10MHz	LCH	DFT-64QAM	23.62	23.66	23.60	22.51	30.00	Pass
30KHz	10MHz	LCH	DFT-256QAM	21.65	21.73	21.68	20.58	30.00	Pass
30KHz	10MHz	LCH	CP-QPSK	24.54	24.72	24.65	23.57	30.00	Pass
30KHz	10MHz	MCH	DFT-Pi2BPSK	26.09	26.19	26.14	25.04	30.00	Pass
30KHz	10MHz	MCH	DFT-QPSK	26.08	26.06	26.15	25.00	30.00	Pass
30KHz	10MHz	MCH	DFT-16QAM	25.09	25.15	25.08	24.00	30.00	Pass
30KHz	10MHz	MCH	DFT-64QAM	23.63	23.66	23.66	22.51	30.00	Pass
30KHz	10MHz	MCH	DFT-256QAM	21.54	21.65	21.65	20.50	30.00	Pass
30KHz	10MHz	MCH	CP-QPSK	24.58	24.66	24.65	23.51	30.00	Pass
30KHz	10MHz	HCH	DFT-Pi2BPSK	26.01	26.09	26.05	24.94	30.00	Pass
30KHz	10MHz	HCH	DFT-QPSK	25.98	26.02	26.08	24.93	30.00	Pass
30KHz	10MHz	HCH	DFT-16QAM	24.98	25.11	25.05	23.96	30.00	Pass
30KHz	10MHz	HCH	DFT-64QAM	23.58	23.59	23.59	22.44	30.00	Pass
30KHz	10MHz	HCH	DFT-256QAM	21.49	21.60	21.52	20.45	30.00	Pass
30KHz	10MHz	HCH	CP-QPSK	24.53	24.65	24.63	23.50	30.00	Pass
30KHz	15MHz	LCH	DFT-Pi2BPSK	26.36	26.26	26.36	25.21	30.00	Pass
30KHz	15MHz	LCH	DFT-QPSK	26.30	26.28	26.33	25.18	30.00	Pass
30KHz	15MHz	LCH	DFT-16QAM	25.25	25.26	25.38	24.23	30.00	Pass
30KHz	15MHz	LCH	DFT-64QAM	23.77	23.81	23.78	22.66	30.00	Pass
30KHz	15MHz	LCH	DFT-256QAM	21.86	21.86	21.87	20.72	30.00	Pass
30KHz	15MHz	LCH	CP-QPSK	24.91	24.86	24.88	23.76	30.00	Pass
30KHz	15MHz	MCH	DFT-Pi2BPSK	26.32	26.29	26.38	25.23	30.00	Pass
30KHz	15MHz	MCH	DFT-QPSK	26.30	26.30	26.34	25.19	30.00	Pass
30KHz	15MHz	MCH	DFT-16QAM	25.31	25.31	25.36	24.21	30.00	Pass
30KHz	15MHz	MCH	DFT-64QAM	23.78	23.75	23.83	22.68	30.00	Pass
30KHz	15MHz	MCH	DFT-256QAM	21.76	21.79	21.86	20.71	30.00	Pass
30KHz	15MHz	MCH	CP-QPSK	24.96	24.84	24.88	23.81	30.00	Pass
30KHz	15MHz	HCH	DFT-Pi2BPSK	26.19	26.34	26.27	25.19	30.00	Pass
30KHz	15MHz	HCH	DFT-QPSK	26.17	26.25	26.22	25.10	30.00	Pass
30KHz	15MHz	HCH	DFT-16QAM	25.13	25.19	25.21	24.06	30.00	Pass
30KHz	15MHz	HCH	DFT-64QAM	23.74	23.84	23.73	22.69	30.00	Pass
30KHz	15MHz	HCH	DFT-256QAM	21.79	21.77	21.82	20.67	30.00	Pass
30KHz	15MHz	HCH	CP-QPSK	24.78	24.82	24.73	23.67	30.00	Pass
30KHz	20MHz	LCH	DFT-Pi2BPSK	26.27	26.25	26.31	25.16	30.00	Pass
30KHz	20MHz	LCH	DFT-QPSK	26.21	26.31	26.32	25.17	30.00	Pass
30KHz	20MHz	LCH	DFT-16QAM	25.38	25.41	25.45	24.30	30.00	Pass
30KHz	20MHz	LCH	DFT-64QAM	23.85	23.87	23.87	22.72	30.00	Pass
30KHz	20MHz	LCH	DFT-256QAM	21.85	21.84	21.87	20.72	30.00	Pass
30KHz	20MHz	LCH	CP-QPSK	24.82	24.95	24.88	23.80	30.00	Pass
30KHz	20MHz	MCH	DFT-Pi2BPSK	26.36	26.27	26.34	25.21	30.00	Pass
30KHz	20MHz	MCH	DFT-QPSK	26.30	26.27	26.32	25.17	30.00	Pass
30KHz	20MHz	MCH	DFT-16QAM	25.32	25.31	25.43	24.28	30.00	Pass
30KHz	20MHz	MCH	DFT-64QAM	23.88	23.92	23.85	22.77	30.00	Pass
30KHz	20MHz	MCH	DFT-256QAM	21.85	21.83	21.81	20.70	30.00	Pass
30KHz	20MHz	MCH	CP-QPSK	24.87	24.78	24.84	23.72	30.00	Pass
30KHz	20MHz	HCH	DFT-Pi2BPSK	26.24	26.35	26.27	25.20	30.00	Pass
30KHz	20MHz	HCH	DFT-QPSK	26.23	26.29	26.26	25.14	30.00	Pass
30KHz	20MHz	HCH	DFT-16QAM	25.09	25.18	25.25	24.10	30.00	Pass
30KHz	20MHz	HCH	DFT-64QAM	23.68	23.73	23.73	22.58	30.00	Pass
30KHz	20MHz	HCH	DFT-256QAM	21.75	21.82	21.67	20.67	30.00	Pass
30KHz	20MHz	HCH	CP-QPSK	24.78	24.78	24.73	23.63	30.00	Pass
30KHz	30MHz	LCH	DFT-Pi2BPSK	26.37	26.41	26.35	25.26	30.00	Pass
30KHz	30MHz	LCH	DFT-QPSK	26.32	26.36	26.35	25.21	30.00	Pass
30KHz	30MHz	LCH	DFT-16QAM	25.31	25.37	25.29	24.22	30.00	Pass
30KHz	30MHz	LCH	DFT-64QAM	23.85	23.85	23.78	22.70	30.00	Pass

30KHz	30MHz	LCH	DFT-256QAM	21.81	21.89	21.82	20.74	30.00	Pass
30KHz	30MHz	LCH	CP-QPSK	24.77	24.76	24.84	23.69	30.00	Pass
30KHz	30MHz	MCH	DFT-Pi2BPSK	26.41	26.39	26.32	25.26	30.00	Pass
30KHz	30MHz	MCH	DFT-QPSK	26.32	26.36	26.34	25.21	30.00	Pass
30KHz	30MHz	MCH	DFT-16QAM	25.37	25.34	25.27	24.22	30.00	Pass
30KHz	30MHz	MCH	DFT-64QAM	23.74	23.79	23.76	22.64	30.00	Pass
30KHz	30MHz	MCH	DFT-256QAM	21.94	21.82	21.81	20.79	30.00	Pass
30KHz	30MHz	MCH	CP-QPSK	24.92	24.85	24.84	23.77	30.00	Pass
30KHz	30MHz	HCH	DFT-Pi2BPSK	26.26	26.35	26.23	25.20	30.00	Pass
30KHz	30MHz	HCH	DFT-QPSK	26.23	26.34	26.27	25.19	30.00	Pass
30KHz	30MHz	HCH	DFT-16QAM	25.16	25.22	25.22	24.07	30.00	Pass
30KHz	30MHz	HCH	DFT-64QAM	23.71	23.81	23.71	22.66	30.00	Pass
30KHz	30MHz	HCH	DFT-256QAM	21.79	21.89	21.73	20.74	30.00	Pass
30KHz	30MHz	HCH	CP-QPSK	24.73	24.91	24.78	23.76	30.00	Pass
30KHz	40MHz	LCH	DFT-Pi2BPSK	26.42	26.53	26.38	25.38	30.00	Pass
30KHz	40MHz	LCH	DFT-QPSK	26.39	26.49	26.33	25.34	30.00	Pass
30KHz	40MHz	LCH	DFT-16QAM	25.39	25.48	25.30	24.33	30.00	Pass
30KHz	40MHz	LCH	DFT-64QAM	23.85	23.87	23.80	22.72	30.00	Pass
30KHz	40MHz	LCH	DFT-256QAM	21.91	21.99	21.87	20.84	30.00	Pass
30KHz	40MHz	LCH	CP-QPSK	25.01	24.98	24.82	23.86	30.00	Pass
30KHz	40MHz	MCH	DFT-Pi2BPSK	25.91	26.55	26.37	25.40	30.00	Pass
30KHz	40MHz	MCH	DFT-QPSK	26.45	26.61	26.39	25.46	30.00	Pass
30KHz	40MHz	MCH	DFT-16QAM	25.49	25.52	25.37	24.37	30.00	Pass
30KHz	40MHz	MCH	DFT-64QAM	23.93	23.97	23.80	22.82	30.00	Pass
30KHz	40MHz	MCH	DFT-256QAM	22.08	22.12	21.97	20.97	30.00	Pass
30KHz	40MHz	MCH	CP-QPSK	25.23	25.05	24.91	24.08	30.00	Pass
30KHz	40MHz	HCH	DFT-Pi2BPSK	26.33	26.55	26.36	25.40	30.00	Pass
30KHz	40MHz	HCH	DFT-QPSK	26.36	26.55	26.37	25.40	30.00	Pass
30KHz	40MHz	HCH	DFT-16QAM	25.36	25.57	25.30	24.42	30.00	Pass
30KHz	40MHz	HCH	DFT-64QAM	23.74	23.99	23.72	22.84	30.00	Pass
30KHz	40MHz	HCH	DFT-256QAM	21.85	22.05	21.79	20.90	30.00	Pass
30KHz	40MHz	HCH	CP-QPSK	24.86	25.09	24.76	23.94	30.00	Pass
30KHz	50MHz	LCH	DFT-Pi2BPSK	26.11	26.10	26.11	24.96	30.00	Pass
30KHz	50MHz	LCH	DFT-QPSK	26.03	26.04	26.13	24.98	30.00	Pass
30KHz	50MHz	LCH	DFT-16QAM	25.05	25.05	25.08	23.93	30.00	Pass
30KHz	50MHz	LCH	DFT-64QAM	23.50	23.67	23.64	22.52	30.00	Pass
30KHz	50MHz	LCH	DFT-256QAM	21.53	21.60	21.63	20.48	30.00	Pass
30KHz	50MHz	LCH	CP-QPSK	24.60	24.61	24.63	23.48	30.00	Pass
30KHz	50MHz	MCH	DFT-Pi2BPSK	26.09	26.12	26.21	25.06	30.00	Pass
30KHz	50MHz	MCH	DFT-QPSK	26.14	26.17	26.09	25.02	30.00	Pass
30KHz	50MHz	MCH	DFT-16QAM	25.04	25.15	25.15	24.00	30.00	Pass
30KHz	50MHz	MCH	DFT-64QAM	23.57	23.53	23.67	22.52	30.00	Pass
30KHz	50MHz	MCH	DFT-256QAM	21.60	21.74	21.66	20.59	30.00	Pass
30KHz	50MHz	MCH	CP-QPSK	24.65	24.66	24.66	23.51	30.00	Pass
30KHz	50MHz	HCH	DFT-Pi2BPSK	25.99	26.05	26.09	24.94	30.00	Pass
30KHz	50MHz	HCH	DFT-QPSK	25.93	26.07	26.14	24.99	30.00	Pass
30KHz	50MHz	HCH	DFT-16QAM	24.96	25.21	25.16	24.06	30.00	Pass
30KHz	50MHz	HCH	DFT-64QAM	23.45	23.60	23.61	22.46	30.00	Pass
30KHz	50MHz	HCH	DFT-256QAM	21.34	21.71	21.63	20.56	30.00	Pass
30KHz	50MHz	HCH	CP-QPSK	24.45	24.59	24.66	23.51	30.00	Pass
30KHz	60MHz	LCH	DFT-Pi2BPSK	25.99	26.21	26.11	25.06	30.00	Pass
30KHz	60MHz	LCH	DFT-QPSK	25.99	26.22	26.12	25.07	30.00	Pass
30KHz	60MHz	LCH	DFT-16QAM	24.89	25.10	25.14	23.99	30.00	Pass
30KHz	60MHz	LCH	DFT-64QAM	23.52	23.75	23.65	22.60	30.00	Pass
30KHz	60MHz	LCH	DFT-256QAM	21.57	21.80	21.64	20.65	30.00	Pass
30KHz	60MHz	LCH	CP-QPSK	24.43	24.70	24.67	23.55	30.00	Pass
30KHz	60MHz	MCH	DFT-Pi2BPSK	26.02	26.27	26.18	25.12	30.00	Pass
30KHz	60MHz	MCH	DFT-QPSK	26.04	26.28	26.20	25.13	30.00	Pass
30KHz	60MHz	MCH	DFT-16QAM	25.09	25.35	25.17	24.20	30.00	Pass
30KHz	60MHz	MCH	DFT-64QAM	23.54	23.77	23.69	22.62	30.00	Pass
30KHz	60MHz	MCH	DFT-256QAM	21.62	21.81	21.70	20.66	30.00	Pass
30KHz	60MHz	MCH	CP-QPSK	24.61	24.86	24.77	23.71	30.00	Pass

30KHz	60MHz	HCH	DFT-Pi2BPSK	25.95	26.28	26.24	25.13	30.00	Pass
30KHz	60MHz	HCH	DFT-QPSK	25.88	26.22	26.21	25.07	30.00	Pass
30KHz	60MHz	HCH	DFT-16QAM	24.99	25.23	25.27	24.12	30.00	Pass
30KHz	60MHz	HCH	DFT-64QAM	23.48	23.77	23.69	22.62	30.00	Pass
30KHz	60MHz	HCH	DFT-256QAM	21.51	21.78	21.67	20.63	30.00	Pass
30KHz	60MHz	HCH	CP-QPSK	24.62	24.77	24.72	23.62	30.00	Pass
30KHz	70MHz	LCH	DFT-Pi2BPSK	26.01	26.08	26.04	24.93	30.00	Pass
30KHz	70MHz	LCH	DFT-QPSK	26.03	26.07	26.03	24.92	30.00	Pass
30KHz	70MHz	LCH	DFT-16QAM	25.09	25.15	25.03	24.00	30.00	Pass
30KHz	70MHz	LCH	DFT-64QAM	23.53	23.57	23.57	22.42	30.00	Pass
30KHz	70MHz	LCH	DFT-256QAM	21.60	21.61	21.53	20.46	30.00	Pass
30KHz	70MHz	LCH	CP-QPSK	24.57	24.69	24.55	23.54	30.00	Pass
30KHz	70MHz	MCH	DFT-Pi2BPSK	25.96	26.06	26.06	24.91	30.00	Pass
30KHz	70MHz	MCH	DFT-QPSK	25.94	26.04	26.09	24.94	30.00	Pass
30KHz	70MHz	MCH	DFT-16QAM	25.02	25.06	25.09	23.94	30.00	Pass
30KHz	70MHz	MCH	DFT-64QAM	23.52	23.59	23.56	22.44	30.00	Pass
30KHz	70MHz	MCH	DFT-256QAM	21.51	21.62	21.57	20.47	30.00	Pass
30KHz	70MHz	MCH	CP-QPSK	24.57	24.68	24.62	23.53	30.00	Pass
30KHz	70MHz	HCH	DFT-Pi2BPSK	25.99	26.12	26.12	24.97	30.00	Pass
30KHz	70MHz	HCH	DFT-QPSK	25.92	26.08	26.09	24.94	30.00	Pass
30KHz	70MHz	HCH	DFT-16QAM	25.00	25.14	25.03	23.99	30.00	Pass
30KHz	70MHz	HCH	DFT-64QAM	23.43	23.58	23.64	22.49	30.00	Pass
30KHz	70MHz	HCH	DFT-256QAM	21.45	21.59	21.56	20.44	30.00	Pass
30KHz	70MHz	HCH	CP-QPSK	24.54	24.59	24.64	23.49	30.00	Pass
30KHz	80MHz	LCH	DFT-Pi2BPSK	25.93	26.19	26.05	25.04	30.00	Pass
30KHz	80MHz	LCH	DFT-QPSK	25.97	26.18	26.05	25.03	30.00	Pass
30KHz	80MHz	LCH	DFT-16QAM	24.99	25.29	25.01	24.14	30.00	Pass
30KHz	80MHz	LCH	DFT-64QAM	23.55	23.71	23.53	22.56	30.00	Pass
30KHz	80MHz	LCH	DFT-256QAM	21.55	21.77	21.51	20.62	30.00	Pass
30KHz	80MHz	LCH	CP-QPSK	24.44	24.70	24.53	23.55	30.00	Pass
30KHz	80MHz	MCH	DFT-Pi2BPSK	25.91	26.20	26.08	25.05	30.00	Pass
30KHz	80MHz	MCH	DFT-QPSK	25.95	26.18	26.05	25.03	30.00	Pass
30KHz	80MHz	MCH	DFT-16QAM	24.89	25.08	25.04	23.93	30.00	Pass
30KHz	80MHz	MCH	DFT-64QAM	23.52	23.65	23.55	22.50	30.00	Pass
30KHz	80MHz	MCH	DFT-256QAM	21.45	21.64	21.49	20.49	30.00	Pass
30KHz	80MHz	MCH	CP-QPSK	24.69	24.73	24.54	23.58	30.00	Pass
30KHz	80MHz	HCH	DFT-Pi2BPSK	25.90	26.18	26.07	25.03	30.00	Pass
30KHz	80MHz	HCH	DFT-QPSK	25.87	26.15	26.05	25.00	30.00	Pass
30KHz	80MHz	HCH	DFT-16QAM	24.89	25.08	25.10	23.95	30.00	Pass
30KHz	80MHz	HCH	DFT-64QAM	23.60	23.67	23.53	22.52	30.00	Pass
30KHz	80MHz	HCH	DFT-256QAM	21.49	21.60	21.48	20.45	30.00	Pass
30KHz	80MHz	HCH	CP-QPSK	24.61	24.90	24.58	23.75	30.00	Pass
30KHz	90MHz	LCH	DFT-Pi2BPSK	25.99	26.23	26.06	25.08	30.00	Pass
30KHz	90MHz	LCH	DFT-QPSK	25.97	26.26	26.03	25.11	30.00	Pass
30KHz	90MHz	LCH	DFT-16QAM	24.99	25.15	25.11	24.00	30.00	Pass
30KHz	90MHz	LCH	DFT-64QAM	23.53	23.67	23.56	22.52	30.00	Pass
30KHz	90MHz	LCH	DFT-256QAM	21.55	21.73	21.47	20.58	30.00	Pass
30KHz	90MHz	LCH	CP-QPSK	24.57	24.70	24.62	23.55	30.00	Pass
30KHz	90MHz	MCH	DFT-Pi2BPSK	25.87	26.25	26.04	25.10	30.00	Pass
30KHz	90MHz	MCH	DFT-QPSK	25.94	26.26	26.12	25.11	30.00	Pass
30KHz	90MHz	MCH	DFT-16QAM	24.94	25.29	25.07	24.14	30.00	Pass
30KHz	90MHz	MCH	DFT-64QAM	23.58	23.87	23.53	22.72	30.00	Pass
30KHz	90MHz	MCH	DFT-256QAM	21.53	21.79	21.56	20.64	30.00	Pass
30KHz	90MHz	MCH	CP-QPSK	24.40	24.69	24.58	23.54	30.00	Pass
30KHz	90MHz	HCH	DFT-Pi2BPSK	25.85	26.21	26.02	25.06	30.00	Pass
30KHz	90MHz	HCH	DFT-QPSK	25.87	26.27	26.10	25.12	30.00	Pass
30KHz	90MHz	HCH	DFT-16QAM	24.85	25.17	25.09	24.02	30.00	Pass
30KHz	90MHz	HCH	DFT-64QAM	23.34	23.69	23.56	22.54	30.00	Pass
30KHz	90MHz	HCH	DFT-256QAM	21.48	21.74	21.50	20.59	30.00	Pass
30KHz	90MHz	HCH	CP-QPSK	24.45	24.72	24.55	23.57	30.00	Pass
30KHz	100MHz	MCH	DFT-Pi2BPSK	25.99	26.30	26.10	25.15	30.00	Pass
30KHz	100MHz	MCH	DFT-QPSK	25.96	26.30	26.09	25.15	30.00	Pass

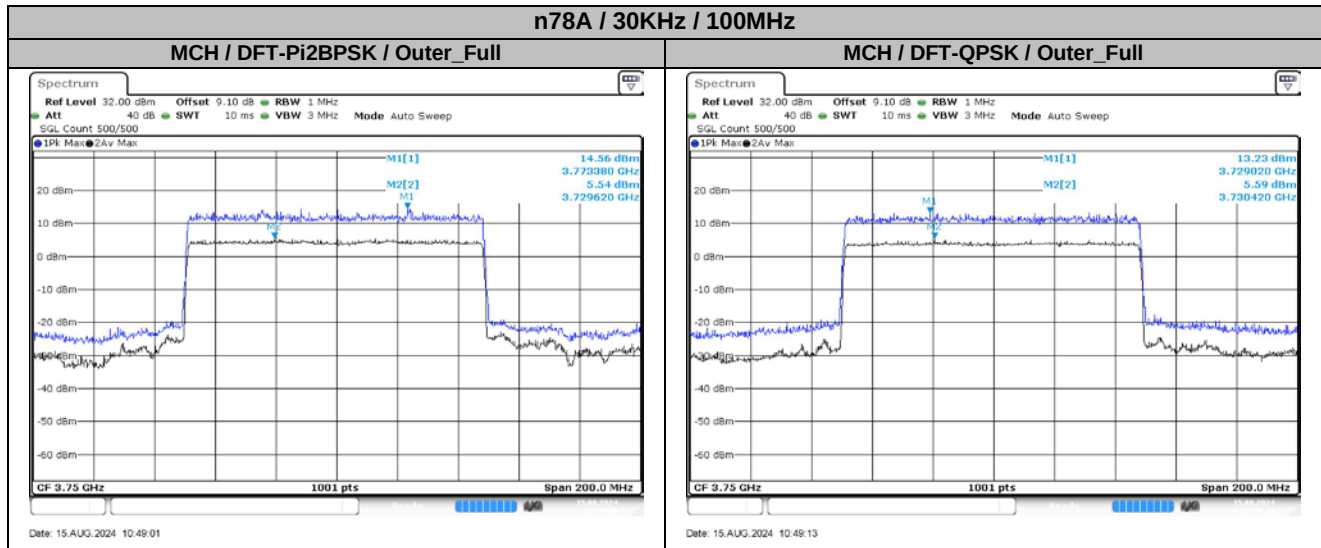
30KHz	100MHz	MCH	DFT-16QAM	24.97	25.32	25.12	24.17	30.00	Pass
30KHz	100MHz	MCH	DFT-64QAM	23.43	23.77	23.52	22.62	30.00	Pass
30KHz	100MHz	MCH	DFT-256QAM	21.58	21.77	21.60	20.62	30.00	Pass
30KHz	100MHz	MCH	CP-QPSK	24.65	24.82	24.57	23.67	30.00	Pass

2. Peak-to-Average Ratio

2.1. Test Results

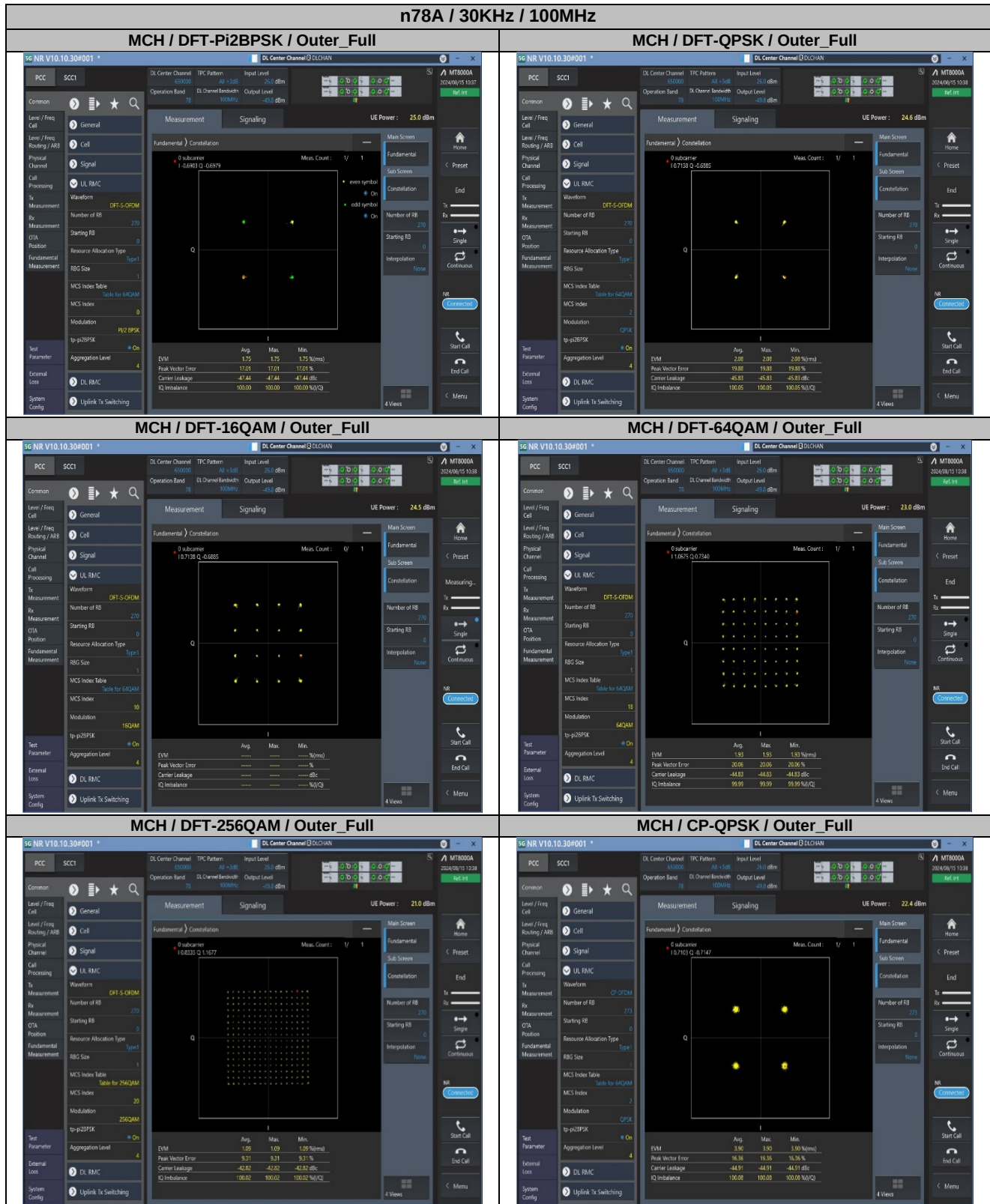
SCS	Bandwidth	Channel	RB	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
30KHz	100MHz	MCH	Outer_Full	9.02	7.64	13.00	Pass

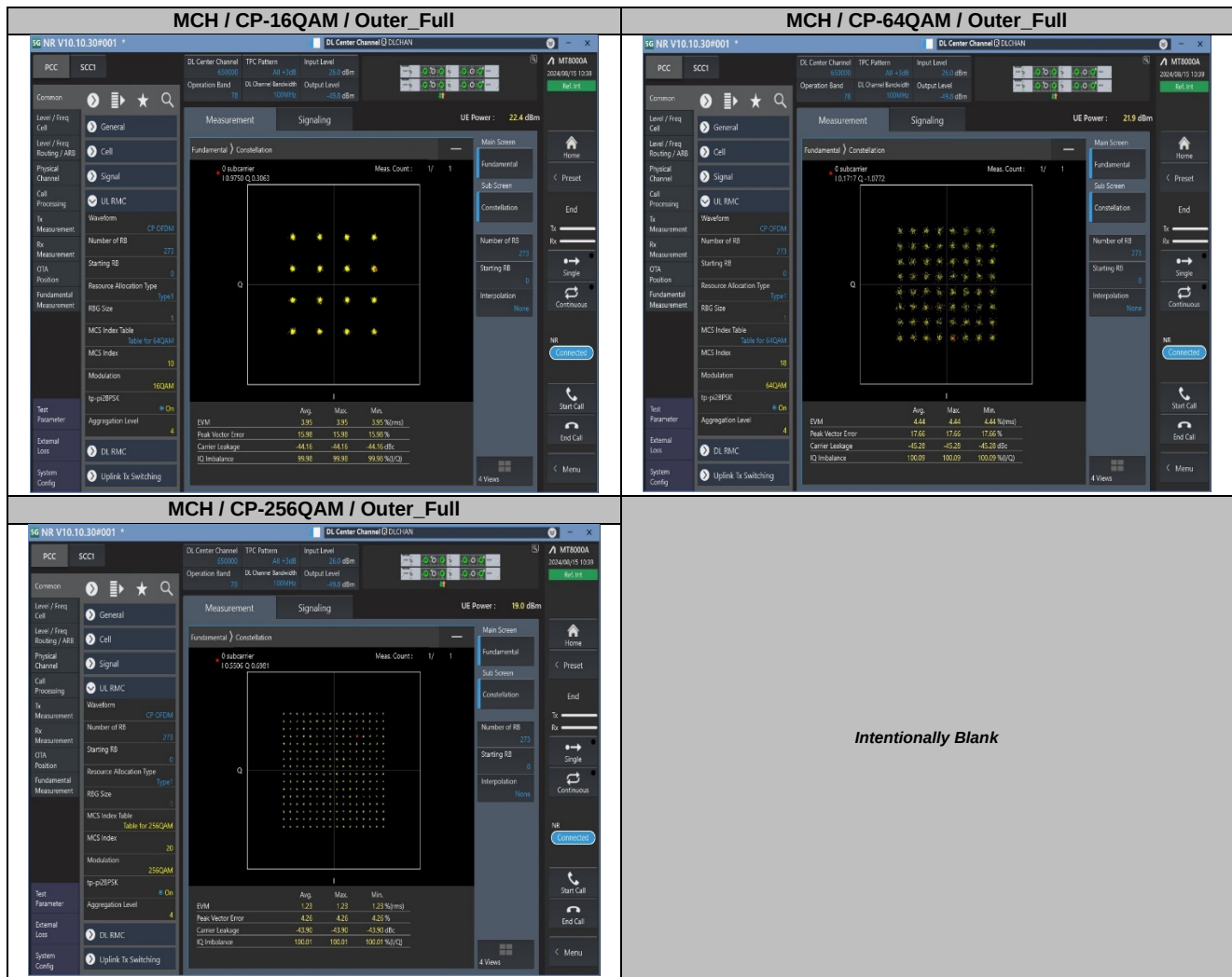
2.2. Test Plots



3. Modulation Characteristics

3.1. Test Plots





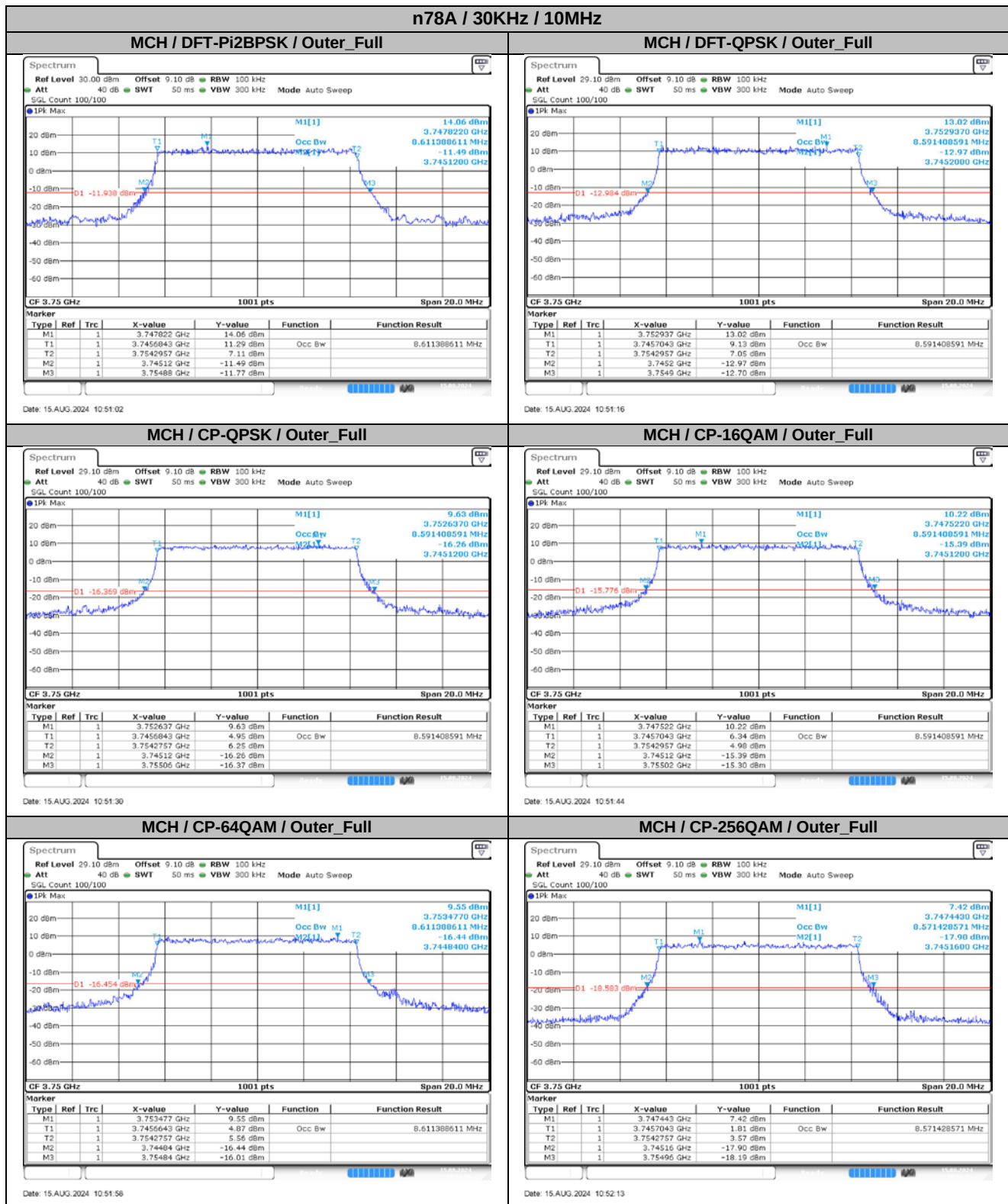
4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

4.1. Test Results

SCS	Bandwidth	Modulation	RB	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
30KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.61	9.76	Pass
30KHz	10MHz	DFT-QPSK	Outer_Full	8.59	9.70	Pass
30KHz	10MHz	CP-QPSK	Outer_Full	8.59	9.94	Pass
30KHz	10MHz	CP-16QAM	Outer_Full	8.59	9.90	Pass
30KHz	10MHz	CP-64QAM	Outer_Full	8.61	10.00	Pass
30KHz	10MHz	CP-256QAM	Outer_Full	8.57	9.80	Pass
30KHz	15MHz	DFT-Pi2BPSK	Outer_Full	12.89	14.43	Pass
30KHz	15MHz	DFT-QPSK	Outer_Full	12.92	14.46	Pass
30KHz	15MHz	CP-QPSK	Outer_Full	13.58	15.24	Pass
30KHz	15MHz	CP-16QAM	Outer_Full	13.67	15.66	Pass
30KHz	15MHz	CP-64QAM	Outer_Full	13.61	15.24	Pass
30KHz	15MHz	CP-256QAM	Outer_Full	13.61	15.15	Pass
30KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.86	19.36	Pass
30KHz	20MHz	DFT-QPSK	Outer_Full	17.86	19.44	Pass
30KHz	20MHz	CP-QPSK	Outer_Full	18.18	19.84	Pass
30KHz	20MHz	CP-16QAM	Outer_Full	18.26	21.12	Pass
30KHz	20MHz	CP-64QAM	Outer_Full	18.22	19.56	Pass
30KHz	20MHz	CP-256QAM	Outer_Full	18.18	19.76	Pass
30KHz	30MHz	DFT-Pi2BPSK	Outer_Full	26.85	28.56	Pass
30KHz	30MHz	DFT-QPSK	Outer_Full	26.85	28.62	Pass
30KHz	30MHz	CP-QPSK	Outer_Full	27.87	30.00	Pass

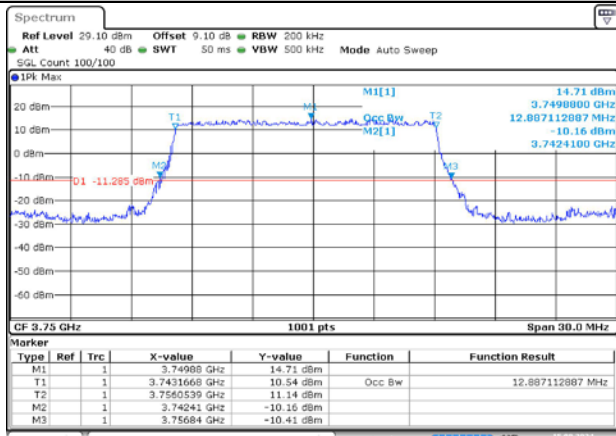
30KHz	30MHz	CP-16QAM	Outer_Full	27.87	29.82	Pass
30KHz	30MHz	CP-64QAM	Outer_Full	27.87	29.82	Pass
30KHz	30MHz	CP-256QAM	Outer_Full	27.93	29.94	Pass
30KHz	40MHz	DFT-Pi2BPSK	Outer_Full	35.72	37.92	Pass
30KHz	40MHz	DFT-QPSK	Outer_Full	35.72	37.92	Pass
30KHz	40MHz	CP-QPSK	Outer_Full	37.88	40.08	Pass
30KHz	40MHz	CP-16QAM	Outer_Full	37.80	40.00	Pass
30KHz	40MHz	CP-64QAM	Outer_Full	37.88	40.24	Pass
30KHz	40MHz	CP-256QAM	Outer_Full	37.88	40.08	Pass
30KHz	50MHz	DFT-Pi2BPSK	Outer_Full	45.65	48.10	Pass
30KHz	50MHz	DFT-QPSK	Outer_Full	45.55	48.10	Pass
30KHz	50MHz	CP-QPSK	Outer_Full	47.45	49.80	Pass
30KHz	50MHz	CP-16QAM	Outer_Full	47.45	50.00	Pass
30KHz	50MHz	CP-64QAM	Outer_Full	47.55	49.80	Pass
30KHz	50MHz	CP-256QAM	Outer_Full	47.45	49.70	Pass
30KHz	60MHz	DFT-Pi2BPSK	Outer_Full	57.90	60.24	Pass
30KHz	60MHz	DFT-QPSK	Outer_Full	57.78	60.24	Pass
30KHz	60MHz	CP-QPSK	Outer_Full	57.78	60.24	Pass
30KHz	60MHz	CP-16QAM	Outer_Full	57.90	60.12	Pass
30KHz	60MHz	CP-64QAM	Outer_Full	57.78	60.12	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	67.55	69.86	Pass
30KHz	70MHz	CP-16QAM	Outer_Full	67.55	70.00	Pass
30KHz	70MHz	CP-64QAM	Outer_Full	67.41	70.14	Pass
30KHz	70MHz	CP-256QAM	Outer_Full	67.55	69.86	Pass
30KHz	80MHz	DFT-Pi2BPSK	Outer_Full	77.04	80.32	Pass
30KHz	80MHz	DFT-QPSK	Outer_Full	77.04	80.48	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	77.52	80.96	Pass
30KHz	90MHz	DFT-Pi2BPSK	Outer_Full	86.67	90.00	Pass
30KHz	90MHz	DFT-QPSK	Outer_Full	86.67	90.36	Pass
30KHz	90MHz	CP-QPSK	Outer_Full	87.39	90.90	Pass
30KHz	90MHz	CP-16QAM	Outer_Full	87.39	91.08	Pass
30KHz	90MHz	CP-64QAM	Outer_Full	87.39	91.08	Pass
30KHz	90MHz	CP-256QAM	Outer_Full	87.57	90.72	Pass
30KHz	100MHz	DFT-Pi2BPSK	Outer_Full	96.50	99.80	Pass
30KHz	100MHz	DFT-QPSK	Outer_Full	96.30	100.00	Pass
30KHz	100MHz	CP-QPSK	Outer_Full	97.50	101.00	Pass
30KHz	100MHz	CP-16QAM	Outer_Full	97.50	100.80	Pass
30KHz	100MHz	CP-64QAM	Outer_Full	97.50	101.00	Pass
30KHz	100MHz	CP-256QAM	Outer_Full	97.50	101.00	Pass

4.2. Test Plots



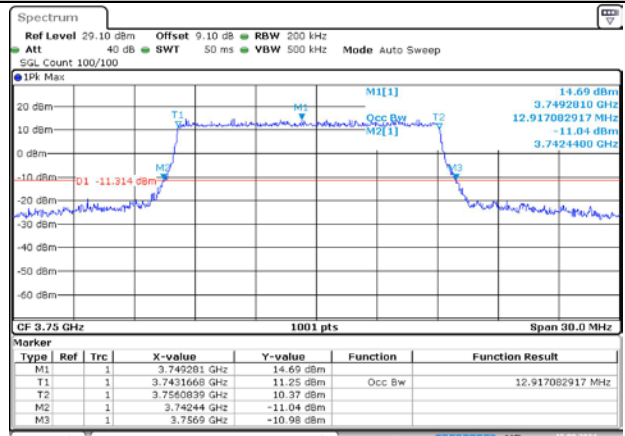
n78A / 30KHz / 15MHz

MCH / DFT-Pi2BPSK / Outer_Full



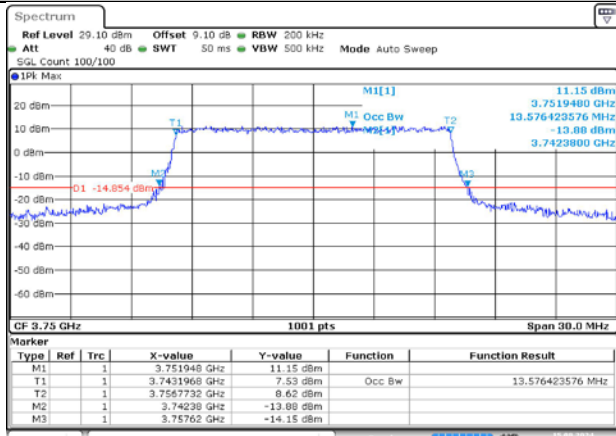
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MCH / DFT-QPSK / Outer_Full



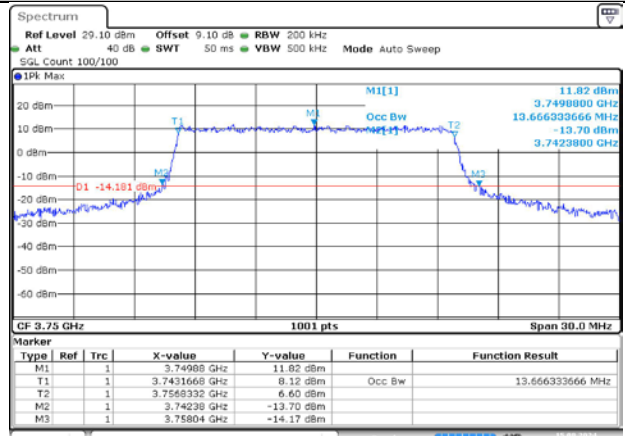
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MCH / CP-QPSK / Outer_Full



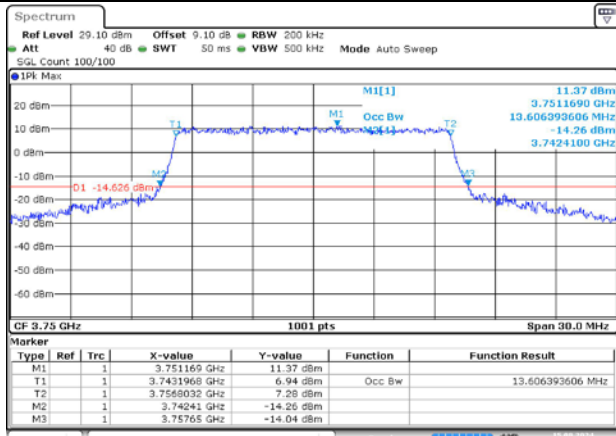
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MCH / CP-16QAM / Outer_Full



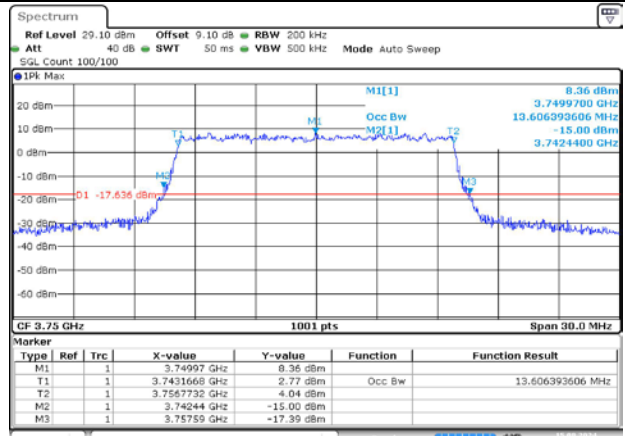
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MCH / CP-64QAM / Outer_Full



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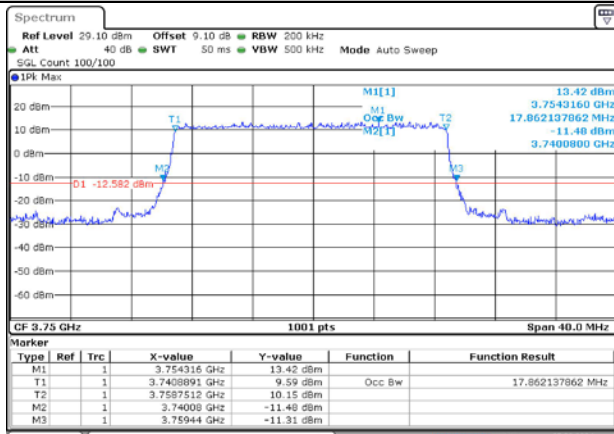
MCH / CP-256QAM / Outer_Full



Date: 15.AUG.2024 10:53:45

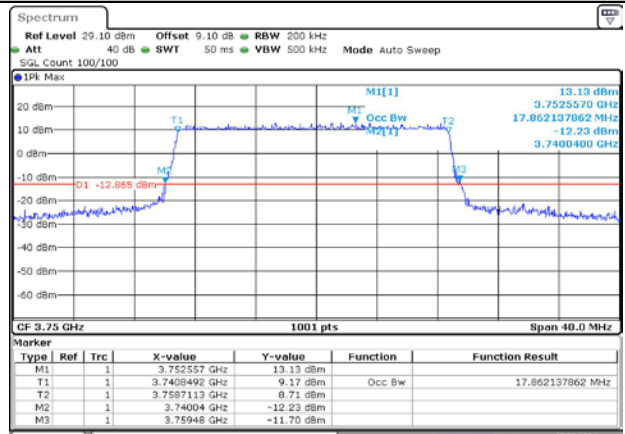
n78A / 30KHz / 20MHz

MCH / DFT-Pi2BPSK / Outer_Full



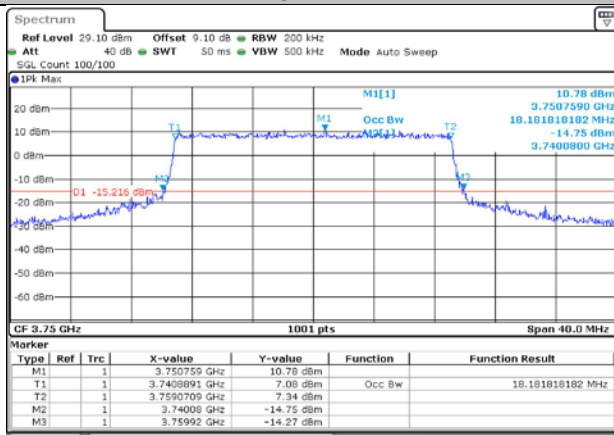
Date: 15.AUG.2024 10:54:04

MCH / DFT-QPSK / Outer_Full



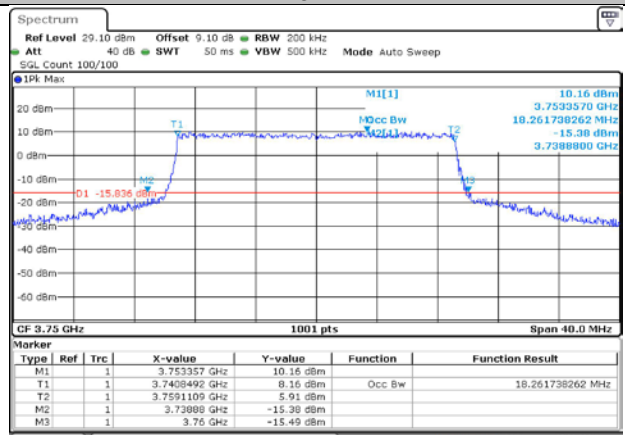
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MCH / CP-QPSK / Outer_Full



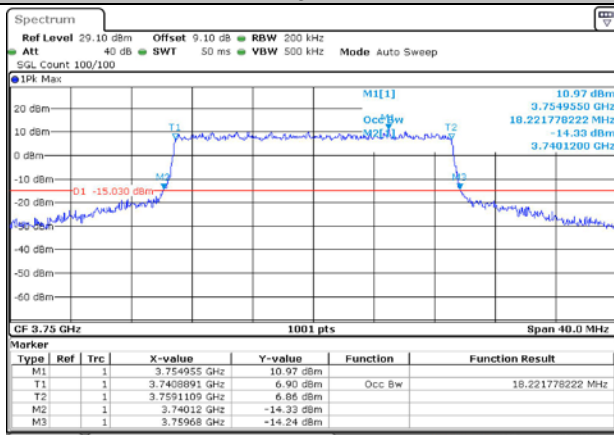
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MCH / CP-16QAM / Outer_Full



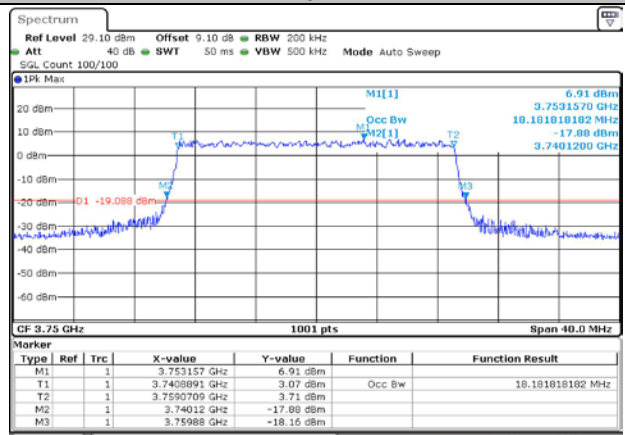
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MCH / CP-64QAM / Outer_Full



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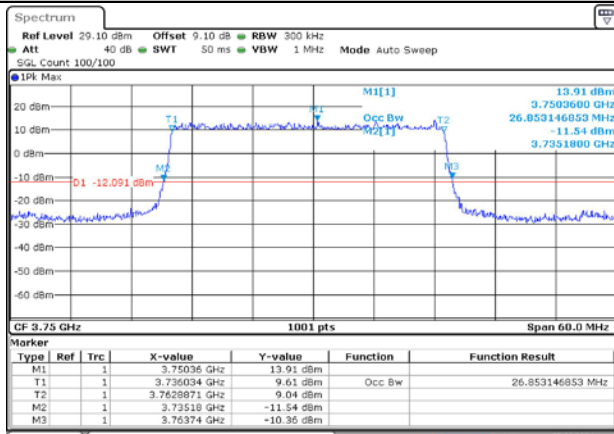
MCH / CP-256QAM / Outer_Full



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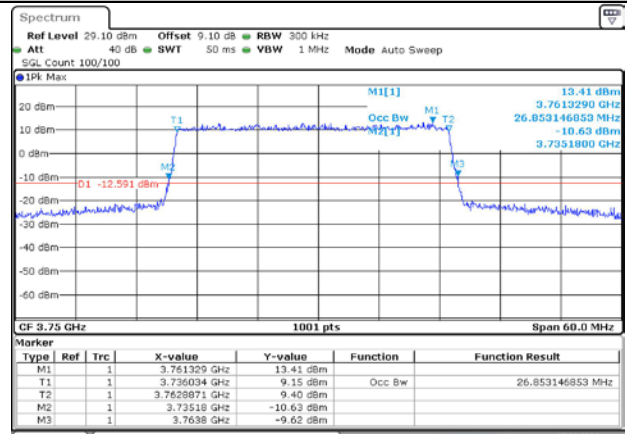
n78A / 30KHz / 30MHz

MCH / DFT-Pi2BPSK / Outer_Full



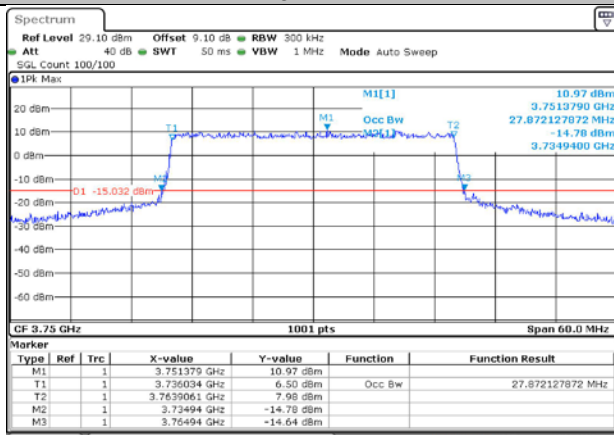
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MCH / DFT-QPSK / Outer_Full



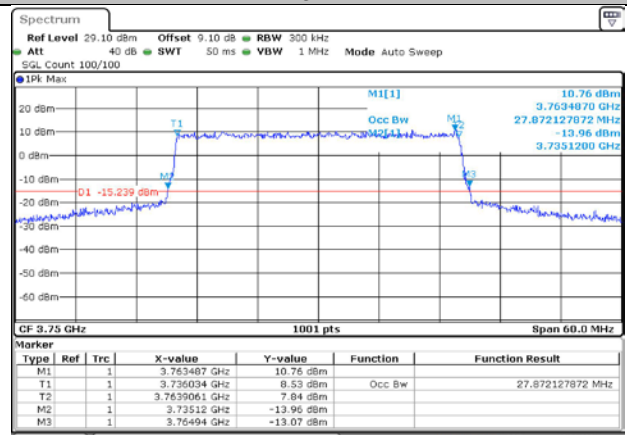
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MCH / CP-QPSK / Outer_Full



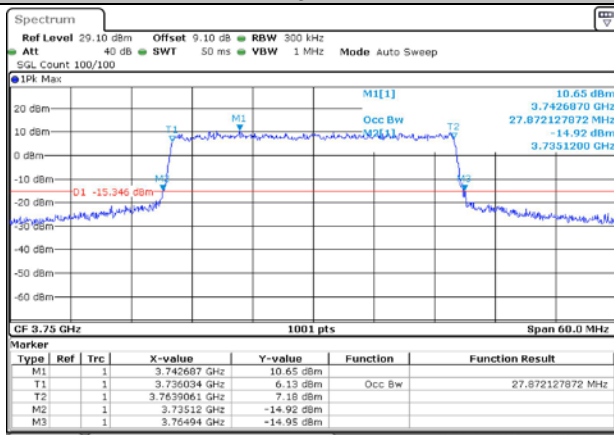
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MCH / CP-16QAM / Outer_Full



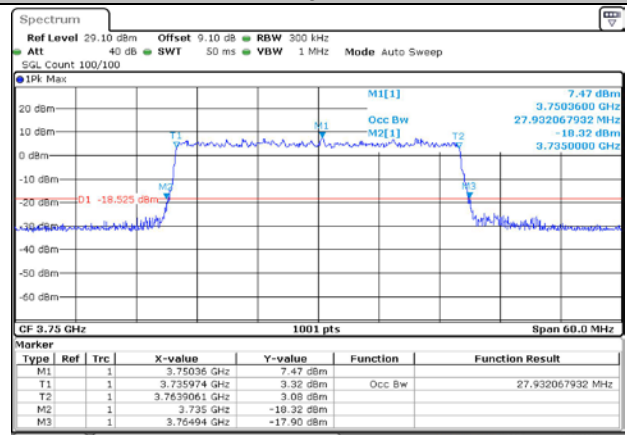
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MCH / CP-64QAM / Outer_Full



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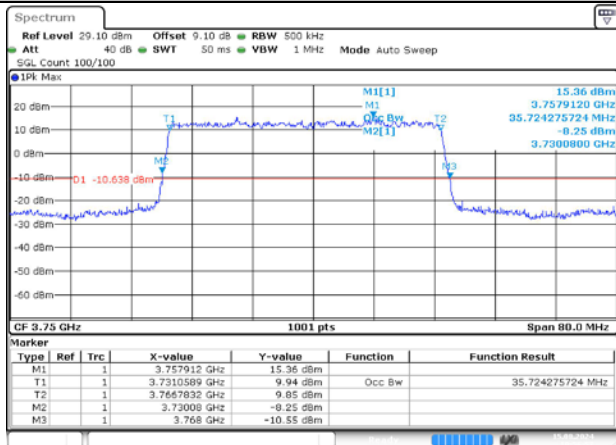
MCH / CP-256QAM / Outer_Full



Date: 15.AUG.2024 10:56:41

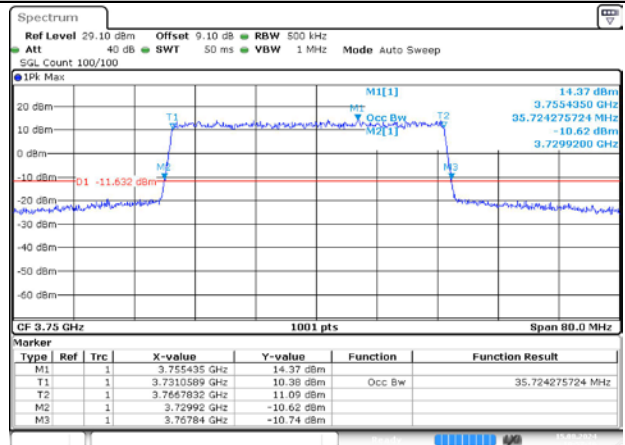
n78A / 30KHz / 40MHz

MCH / DFT-Pi2BPSK / Outer_Full



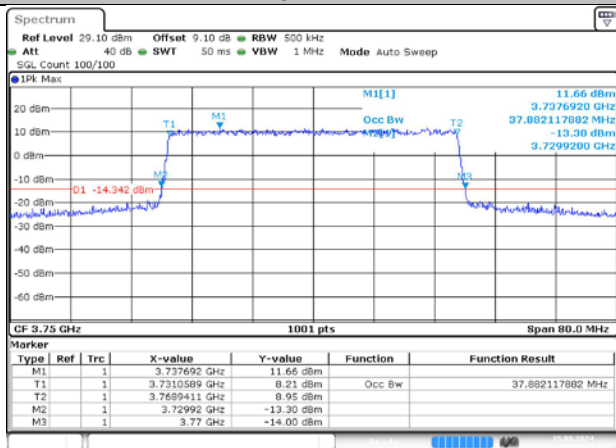
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MCH / DFT-QPSK / Outer_Full



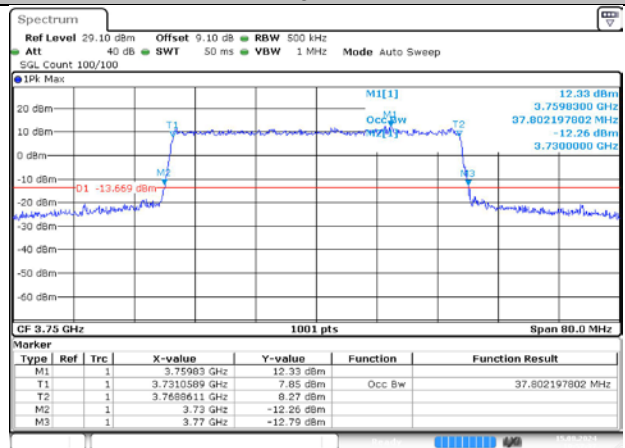
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MCH / CP-QPSK / Outer_Full



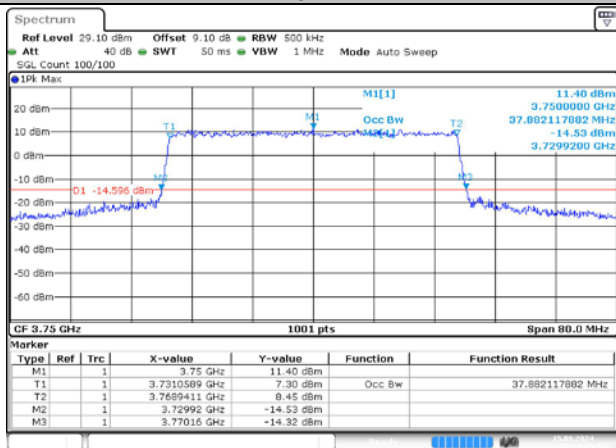
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MCH / CP-16QAM / Outer_Full



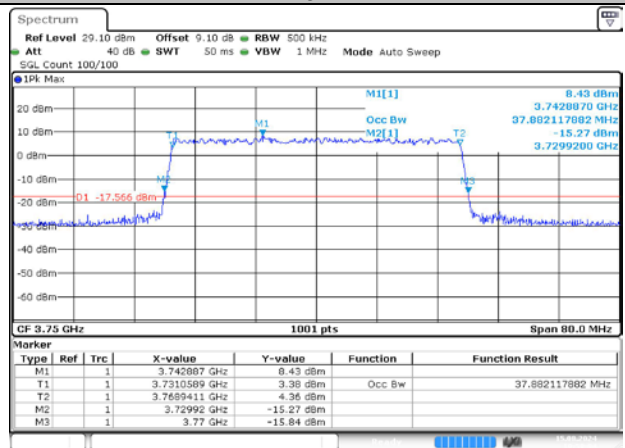
Date: 15.AUG.2024 10:57:37

MCH / CP-64QAM / Outer_Full



Date: 15.AUG.2024 10:57:50

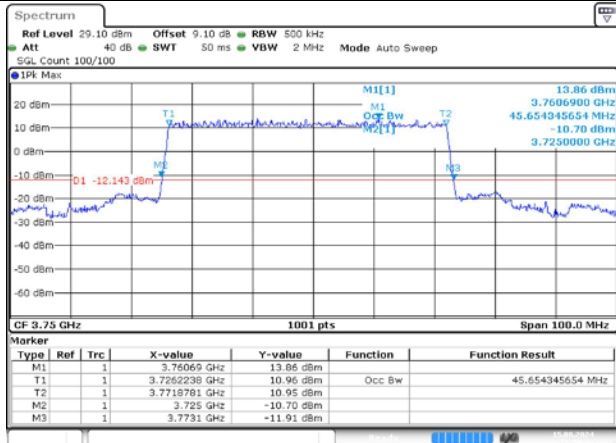
MCH / CP-256QAM / Outer_Full



Date: 15.AUG.2024 10:58:04

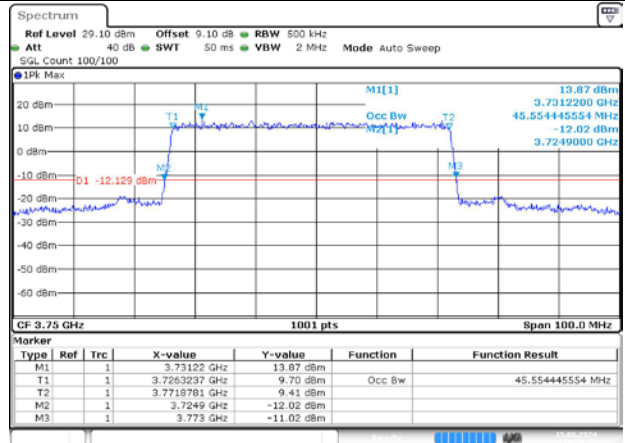
n78A / 30KHz / 50MHz

MCH / DFT-Pi2BPSK / Outer_Full



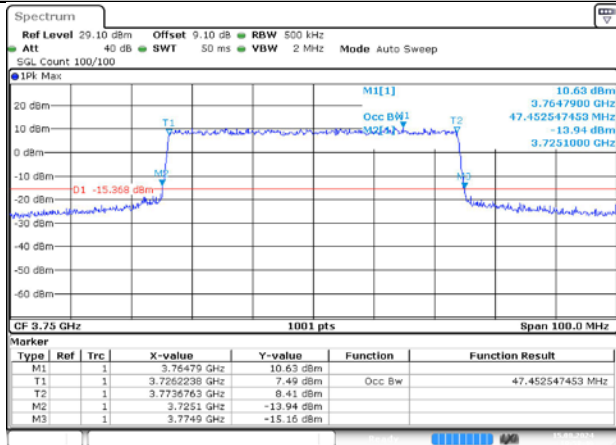
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MCH / DFT-QPSK / Outer_Full



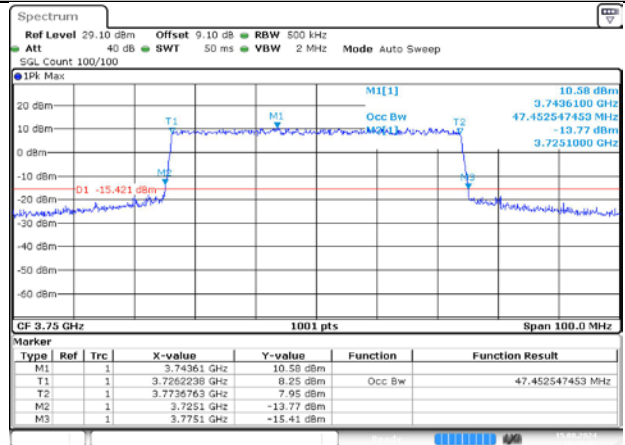
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MCH / CP-QPSK / Outer_Full



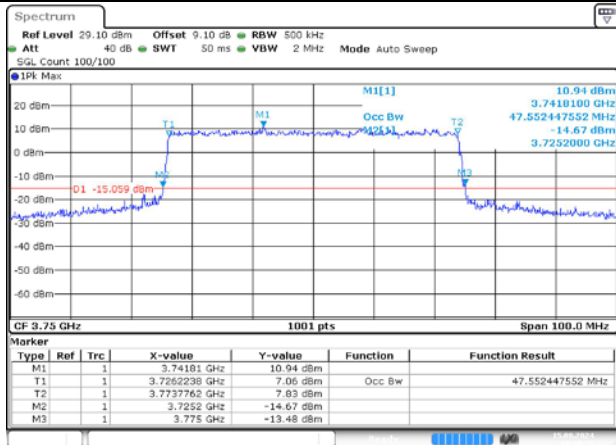
Date: 15.AUG.2024 10:56:49

MCH / CP-16QAM / Outer_Full



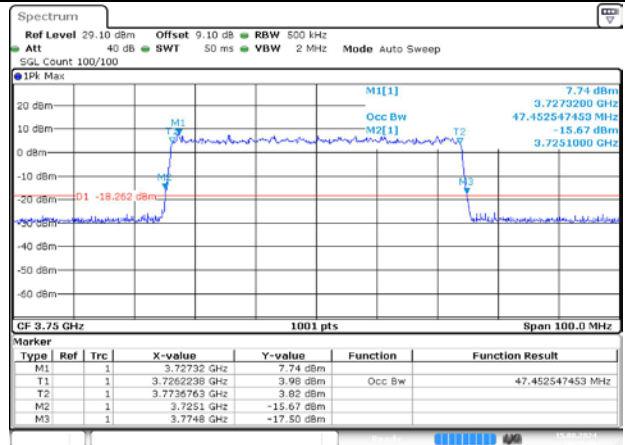
Date: 15.AUG.2024 10:59:02

MCH / CP-64QAM / Outer_Full



Date: 15.AUG.2024 10:59:15

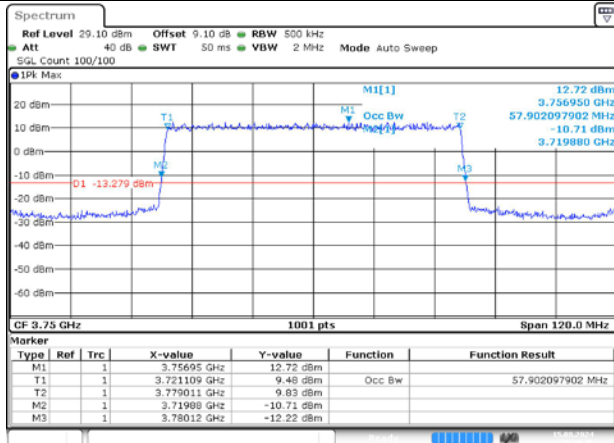
MCH / CP-256QAM / Outer_Full



Date: 15.AUG.2024 10:59:29

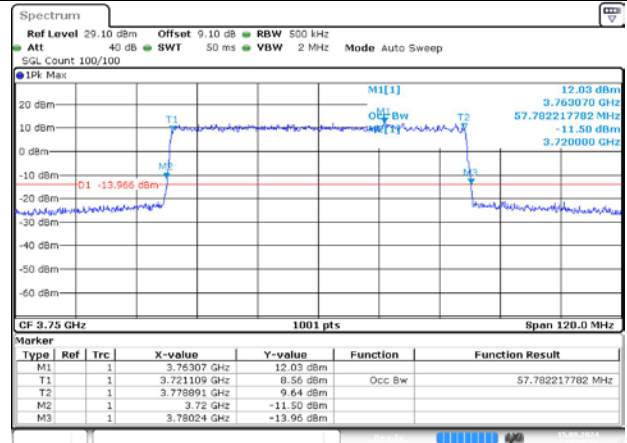
n78A / 30KHz / 60MHz

MCH / DFT-Pi2BPSK / Outer_Full



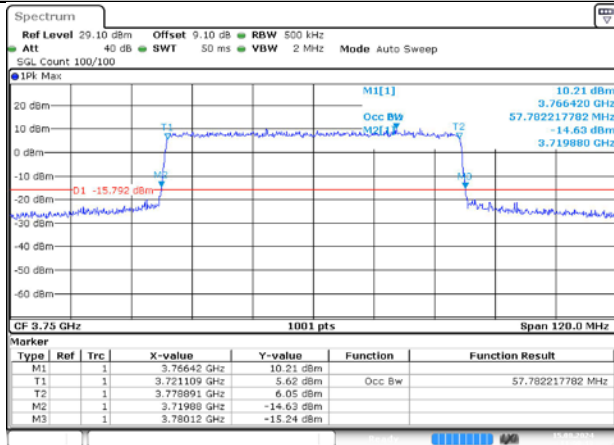
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MCH / DFT-QPSK / Outer_Full



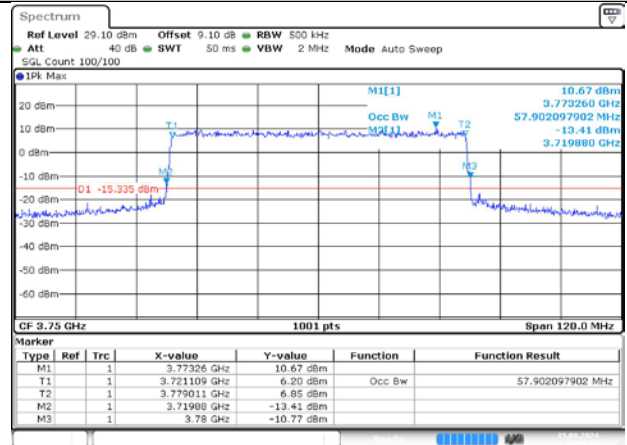
Date: 15.AUG.2024 10:58:58

MCH / CP-QPSK / Outer_Full



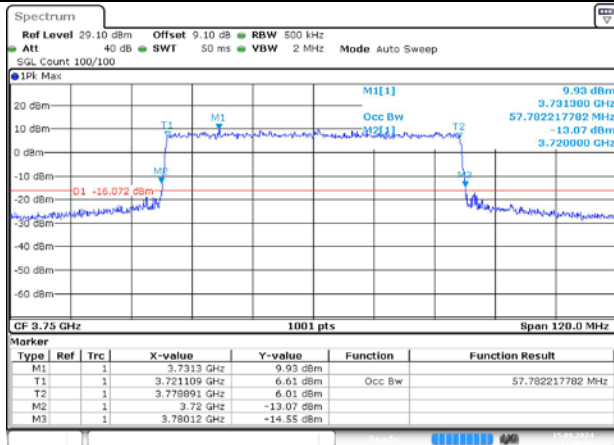
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MCH / CP-16QAM / Outer_Full



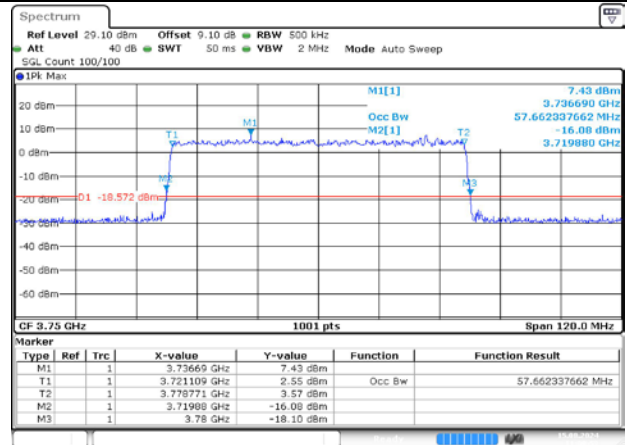
Date: 15.AUG.2024 11:00:25

MCH / CP-64QAM / Outer_Full



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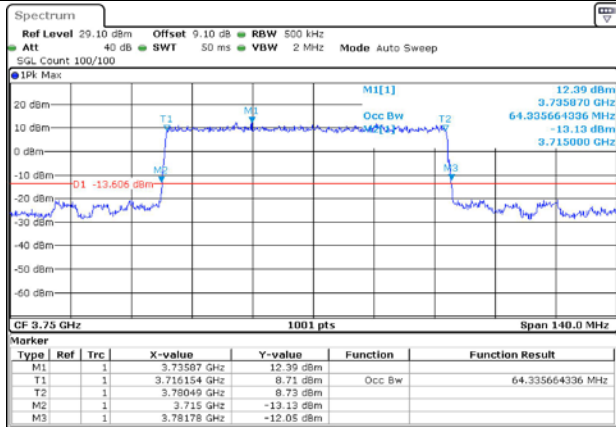
MCH / CP-256QAM / Outer_Full



Date: 15.AUG.2024 11:00:52

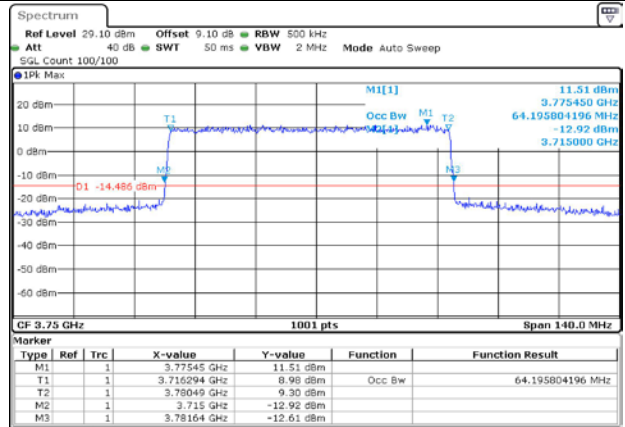
n78A / 30KHz / 70MHz

MCH / DFT-Pi2BPSK / Outer_Full



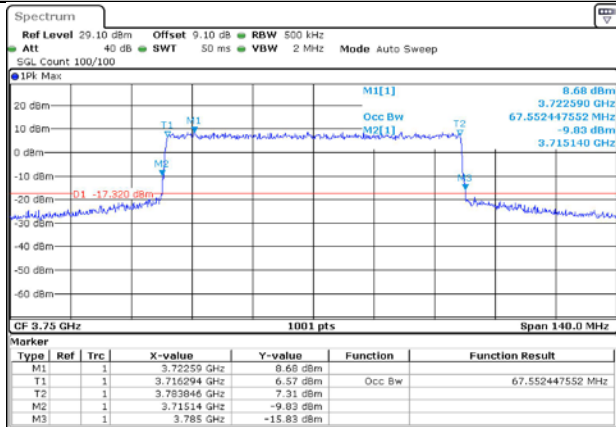
Date: 15.AUG.2024 11:01:08

MCH / DFT-QPSK / Outer_Full



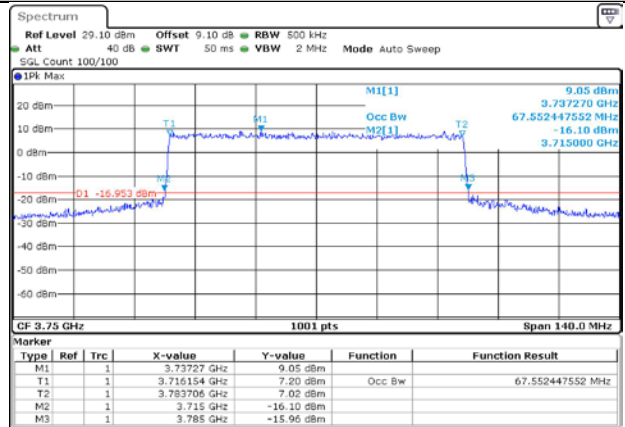
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MCH / CP-QPSK / Outer_Full



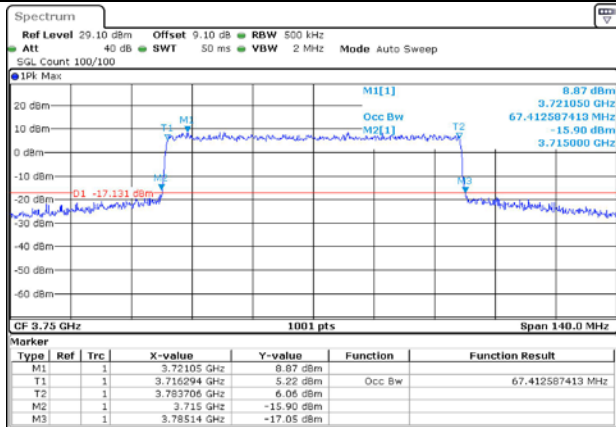
Date: 15.AUG.2024 11:01:36

MCH / CP-16QAM / Outer_Full



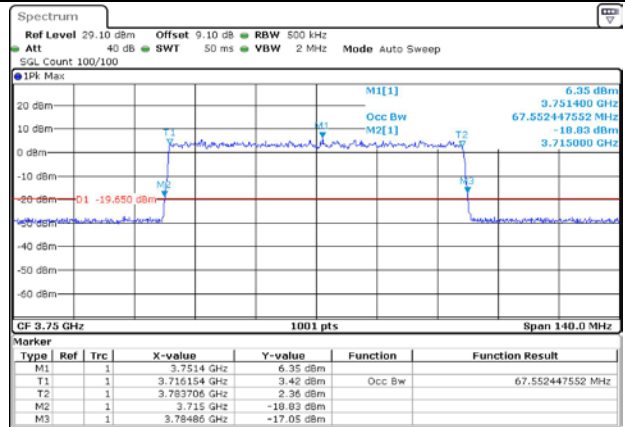
Date: 15.AUG.2024 11:01:50

MCH / CP-64QAM / Outer_Full



Date: 15.AUG.2024 11:02:04

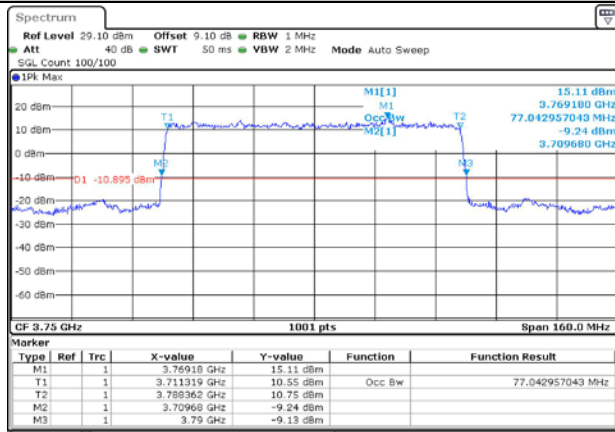
MCH / CP-256QAM / Outer_Full



Date: 15.AUG.2024 11:02:18

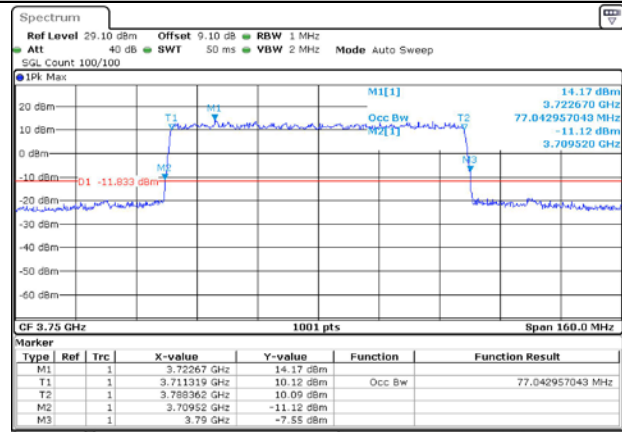
n78A / 30KHz / 80MHz

MCH / DFT-Pi2BPSK / Outer_Full



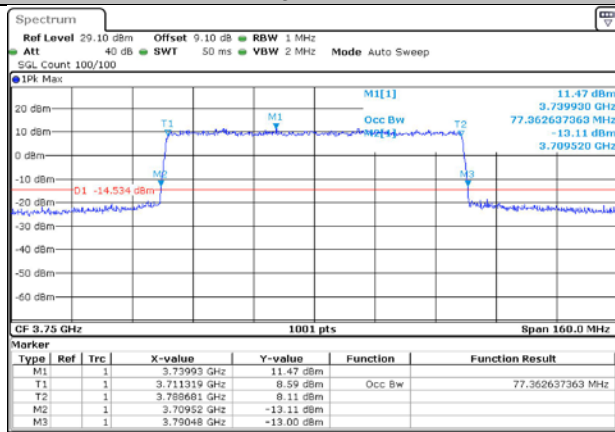
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MCH / DFT-QPSK / Outer_Full



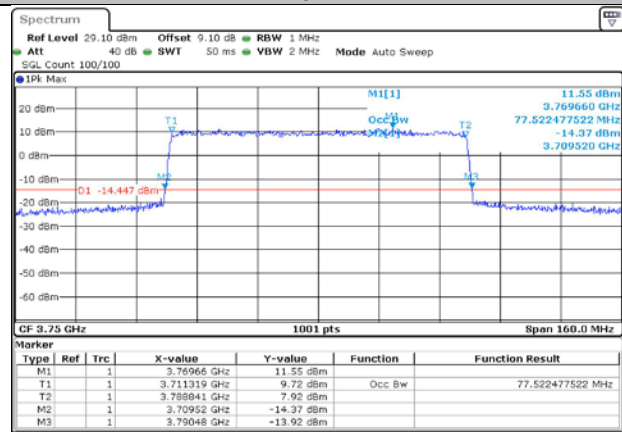
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MCH / CP-QPSK / Outer_Full



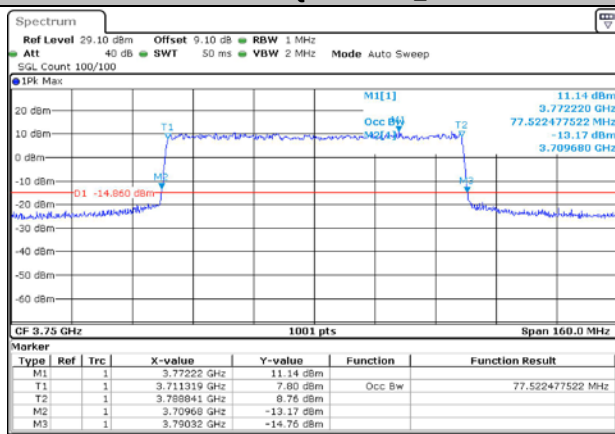
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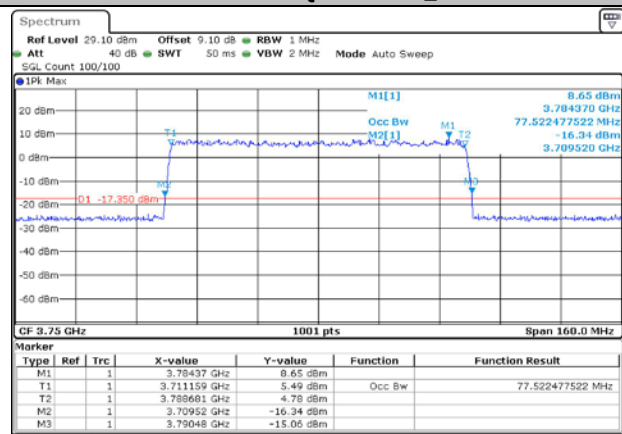
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MCH / CP-64QAM / Outer_Full



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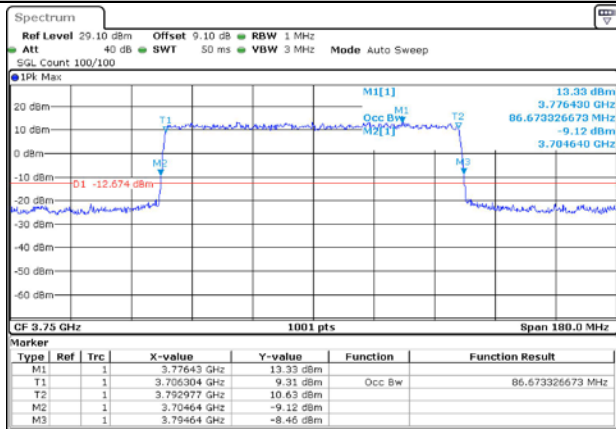
MCH / CP-256QAM / Outer_Full



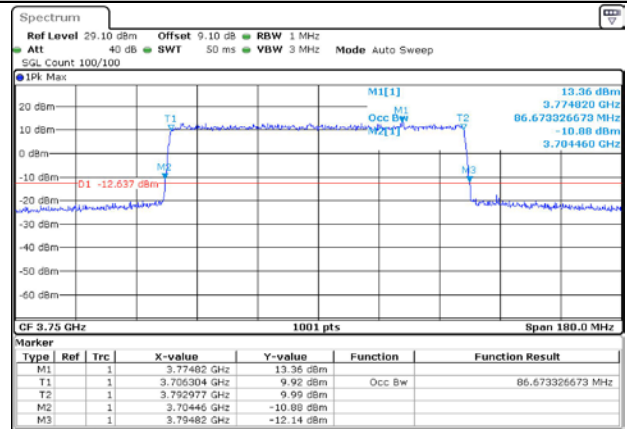
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n78A / 30KHz / 90MHz

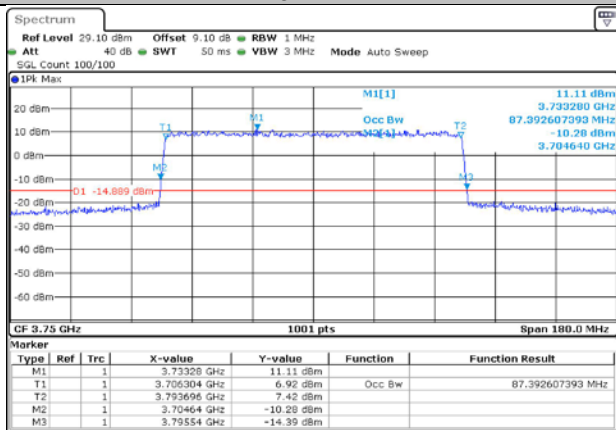
MCH / DFT-Pi2BPSK / Outer_Full



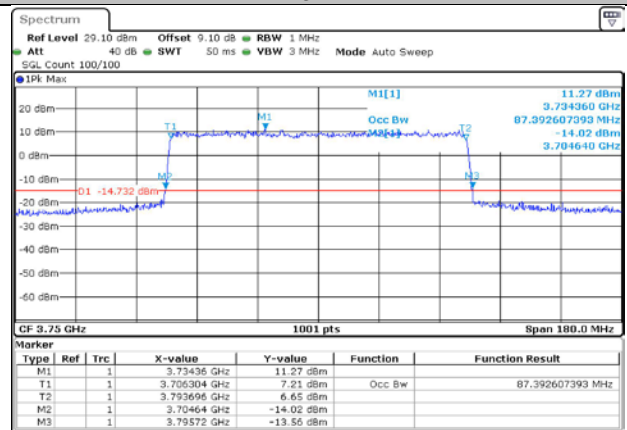
MCH / DFT-QPSK / Outer_Full



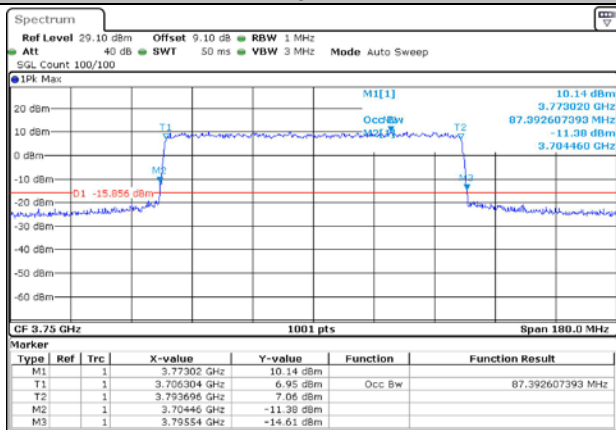
MCH / CP-QPSK / Outer_Full



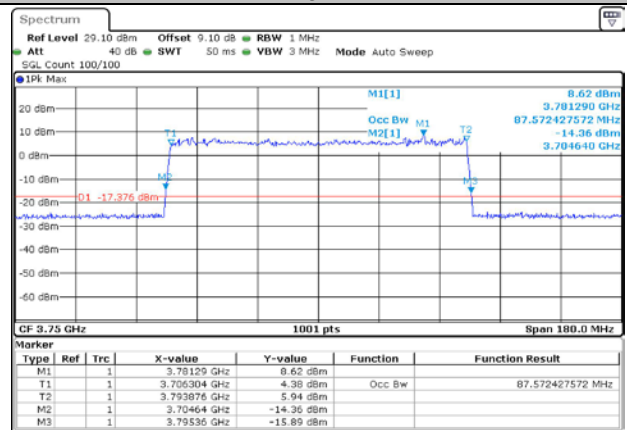
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

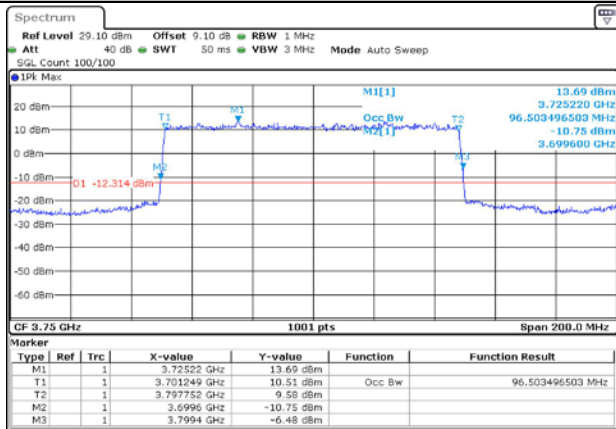


MCH / CP-256QAM / Outer_Full



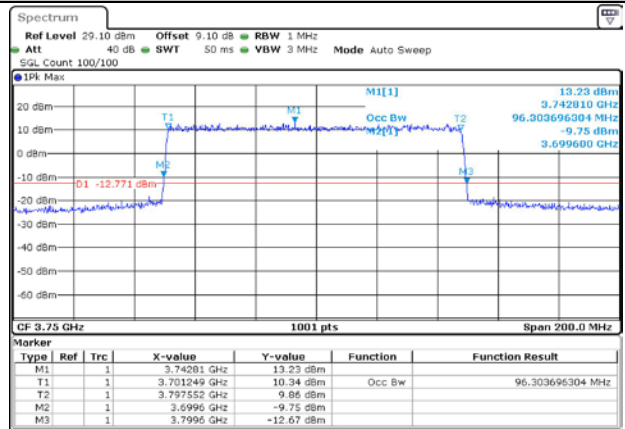
n78A / 30KHz / 100MHz

MCH / DFT-Pi2BPSK / Outer_Full



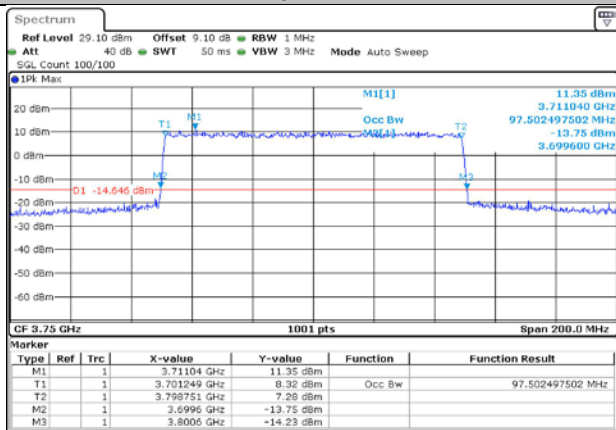
Date: 15.AUG.2024 11:06:34

MCH / DFT-QPSK / Outer_Full



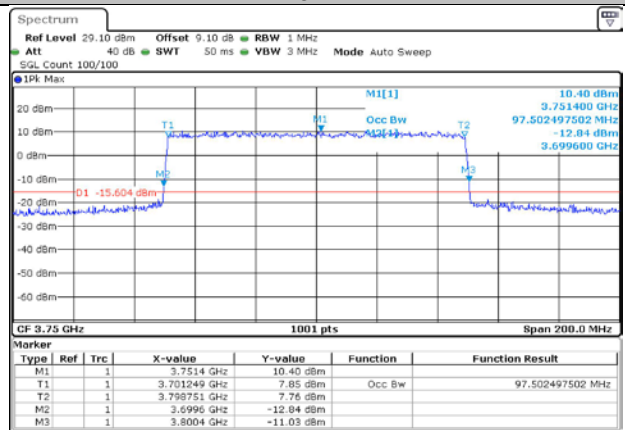
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MCH / CP-QPSK / Outer_Full



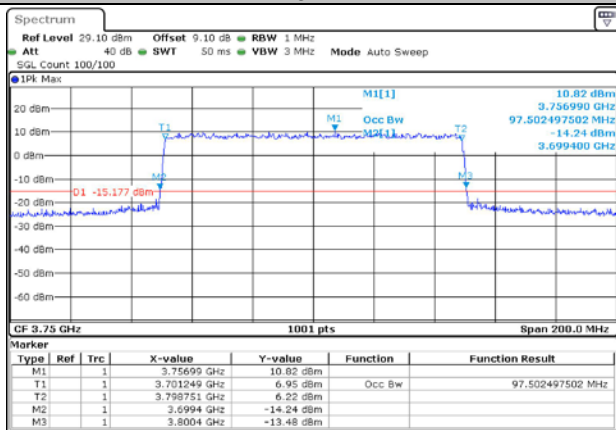
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MCH / CP-16QAM / Outer_Full



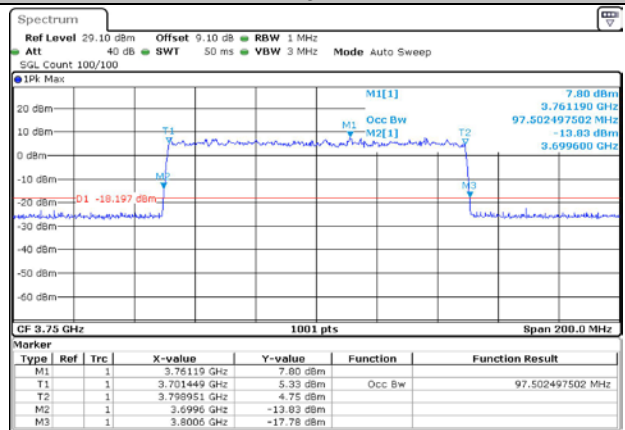
Date: 15.AUG.2024 11:06:16

MCH / CP-64QAM / Outer_Full



Date: 15.AUG.2024 11:06:30

MCH / CP-256QAM / Outer_Full



Date: 15.AUG.2024 11:06:44