

Appendix for n2A (1850-1910)

Catalogue

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1. Effective Isotropic Radiated Power

1.1. Test Results @ Ant1 (Antenna Gain=-3.10dBi)

SCS	Bandwidth	Channel	Modulation	Conducted Result (dBm)			Max EIRP (dBm)	Limit (dBm)	Verdict
				Inner_1RB_Left	Inner_1RB_Right	Inner_Full			
15KHz	5MHz	LCH	DFT-Pi2BPSK	23.49	23.49	23.63	20.53	33.00	Pass
15KHz	5MHz	LCH	DFT-QPSK	23.43	23.43	23.59	20.49	33.00	Pass
15KHz	5MHz	LCH	DFT-16QAM	22.67	22.72	22.53	19.62	33.00	Pass
15KHz	5MHz	LCH	DFT-64QAM	21.18	21.20	21.13	18.10	33.00	Pass
15KHz	5MHz	LCH	DFT-256QAM	18.93	18.94	19.10	16.00	33.00	Pass
15KHz	5MHz	LCH	CP-QPSK	21.87	21.90	22.03	18.93	33.00	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	23.39	23.39	23.49	20.39	33.00	Pass
15KHz	5MHz	MCH	DFT-QPSK	23.38	23.38	23.48	20.38	33.00	Pass
15KHz	5MHz	MCH	DFT-16QAM	22.53	22.53	22.41	19.43	33.00	Pass
15KHz	5MHz	MCH	DFT-64QAM	21.06	21.05	21.00	17.96	33.00	Pass
15KHz	5MHz	MCH	DFT-256QAM	18.87	18.85	19.01	15.91	33.00	Pass
15KHz	5MHz	MCH	CP-QPSK	21.77	21.74	21.92	18.82	33.00	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	23.52	23.61	23.69	20.59	33.00	Pass
15KHz	5MHz	HCH	DFT-QPSK	23.41	23.49	23.72	20.62	33.00	Pass
15KHz	5MHz	HCH	DFT-16QAM	22.78	22.80	22.62	19.70	33.00	Pass
15KHz	5MHz	HCH	DFT-64QAM	21.27	21.34	21.20	18.24	33.00	Pass
15KHz	5MHz	HCH	DFT-256QAM	18.96	19.08	19.22	16.12	33.00	Pass
15KHz	5MHz	HCH	CP-QPSK	21.95	21.94	22.15	19.05	33.00	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	23.51	23.51	23.50	20.41	33.00	Pass
15KHz	10MHz	LCH	DFT-QPSK	23.43	23.44	23.48	20.38	33.00	Pass
15KHz	10MHz	LCH	DFT-16QAM	22.66	22.77	22.50	19.67	33.00	Pass
15KHz	10MHz	LCH	DFT-64QAM	21.25	21.25	21.03	18.15	33.00	Pass
15KHz	10MHz	LCH	DFT-256QAM	18.98	18.98	18.99	15.89	33.00	Pass
15KHz	10MHz	LCH	CP-QPSK	21.90	21.90	21.93	18.83	33.00	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	23.43	23.41	23.39	20.33	33.00	Pass
15KHz	10MHz	MCH	DFT-QPSK	23.41	23.40	23.41	20.31	33.00	Pass
15KHz	10MHz	MCH	DFT-16QAM	22.60	22.61	22.42	19.51	33.00	Pass
15KHz	10MHz	MCH	DFT-64QAM	21.17	21.13	20.93	18.07	33.00	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.89	18.94	18.89	15.84	33.00	Pass
15KHz	10MHz	MCH	CP-QPSK	21.83	21.81	21.88	18.78	33.00	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	23.46	23.61	23.58	20.51	33.00	Pass
15KHz	10MHz	HCH	DFT-QPSK	23.38	23.56	23.60	20.50	33.00	Pass
15KHz	10MHz	HCH	DFT-16QAM	22.79	22.87	22.59	19.77	33.00	Pass
15KHz	10MHz	HCH	DFT-64QAM	21.22	21.37	21.11	18.27	33.00	Pass
15KHz	10MHz	HCH	DFT-256QAM	19.01	19.15	19.05	16.05	33.00	Pass
15KHz	10MHz	HCH	CP-QPSK	21.96	22.02	22.06	18.96	33.00	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	23.48	23.44	23.56	20.46	33.00	Pass
15KHz	15MHz	LCH	DFT-QPSK	23.40	23.36	23.50	20.40	33.00	Pass
15KHz	15MHz	LCH	DFT-16QAM	22.64	22.70	22.56	19.60	33.00	Pass
15KHz	15MHz	LCH	DFT-64QAM	21.26	21.19	21.05	18.16	33.00	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.94	18.91	19.03	15.93	33.00	Pass
15KHz	15MHz	LCH	CP-QPSK	21.86	21.86	22.03	18.93	33.00	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	23.40	23.41	23.45	20.35	33.00	Pass
15KHz	15MHz	MCH	DFT-QPSK	23.34	23.35	23.44	20.34	33.00	Pass
15KHz	15MHz	MCH	DFT-16QAM	22.59	22.63	22.48	19.53	33.00	Pass
15KHz	15MHz	MCH	DFT-64QAM	21.14	21.16	20.99	18.06	33.00	Pass
15KHz	15MHz	MCH	DFT-256QAM	18.87	18.90	18.95	15.85	33.00	Pass
15KHz	15MHz	MCH	CP-QPSK	21.86	21.87	22.00	18.90	33.00	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	23.42	23.64	23.62	20.54	33.00	Pass
15KHz	15MHz	HCH	DFT-QPSK	23.29	23.55	23.61	20.51	33.00	Pass
15KHz	15MHz	HCH	DFT-16QAM	22.66	22.80	22.63	19.70	33.00	Pass
15KHz	15MHz	HCH	DFT-64QAM	21.23	21.38	21.12	18.28	33.00	Pass
15KHz	15MHz	HCH	DFT-256QAM	18.88	19.12	19.09	16.02	33.00	Pass
15KHz	15MHz	HCH	CP-QPSK	21.84	22.10	22.12	19.02	33.00	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	23.52	23.40	23.56	20.46	33.00	Pass
15KHz	20MHz	LCH	DFT-QPSK	23.40	23.37	23.55	20.45	33.00	Pass
15KHz	20MHz	LCH	DFT-16QAM	22.64	22.57	22.52	19.54	33.00	Pass
15KHz	20MHz	LCH	DFT-64QAM	21.17	21.18	21.00	18.08	33.00	Pass
15KHz	20MHz	LCH	DFT-256QAM	18.94	18.86	19.03	15.93	33.00	Pass

15KHz	20MHz	LCH	CP-QPSK	21.92	21.76	22.01	18.91	33.00	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	23.42	23.43	23.45	20.35	33.00	Pass
15KHz	20MHz	MCH	DFT-QPSK	23.37	23.32	23.49	20.39	33.00	Pass
15KHz	20MHz	MCH	DFT-16QAM	22.58	22.67	22.45	19.57	33.00	Pass
15KHz	20MHz	MCH	DFT-64QAM	21.11	21.12	20.96	18.02	33.00	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.88	18.86	18.95	15.85	33.00	Pass
15KHz	20MHz	MCH	CP-QPSK	21.84	21.81	21.97	18.87	33.00	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	23.39	23.67	23.61	20.57	33.00	Pass
15KHz	20MHz	HCH	DFT-QPSK	23.27	23.58	23.58	20.48	33.00	Pass
15KHz	20MHz	HCH	DFT-16QAM	22.58	22.88	22.61	19.78	33.00	Pass
15KHz	20MHz	HCH	DFT-64QAM	21.17	21.51	21.06	18.41	33.00	Pass
15KHz	20MHz	HCH	DFT-256QAM	18.85	19.17	19.06	16.07	33.00	Pass
15KHz	20MHz	HCH	CP-QPSK	21.78	22.01	22.09	18.99	33.00	Pass
15KHz	25MHz	LCH	DFT-Pi2BPSK	23.43	23.34	23.52	20.42	33.00	Pass
15KHz	25MHz	LCH	DFT-QPSK	23.37	23.30	23.51	20.41	33.00	Pass
15KHz	25MHz	LCH	DFT-16QAM	22.63	22.51	22.49	19.53	33.00	Pass
15KHz	25MHz	LCH	DFT-64QAM	21.18	21.02	21.04	18.08	33.00	Pass
15KHz	25MHz	LCH	DFT-256QAM	18.90	18.75	19.02	15.92	33.00	Pass
15KHz	25MHz	LCH	CP-QPSK	21.90	21.76	21.96	18.86	33.00	Pass
15KHz	25MHz	MCH	DFT-Pi2BPSK	23.31	23.41	23.44	20.34	33.00	Pass
15KHz	25MHz	MCH	DFT-QPSK	23.23	23.37	23.43	20.33	33.00	Pass
15KHz	25MHz	MCH	DFT-16QAM	22.51	22.63	22.39	19.53	33.00	Pass
15KHz	25MHz	MCH	DFT-64QAM	21.01	21.19	20.95	18.09	33.00	Pass
15KHz	25MHz	MCH	DFT-256QAM	18.79	18.90	18.93	15.83	33.00	Pass
15KHz	25MHz	MCH	CP-QPSK	21.76	21.79	21.89	18.79	33.00	Pass
15KHz	25MHz	HCH	DFT-Pi2BPSK	23.32	23.66	23.51	20.56	33.00	Pass
15KHz	25MHz	HCH	DFT-QPSK	23.31	23.54	23.56	20.46	33.00	Pass
15KHz	25MHz	HCH	DFT-16QAM	22.50	22.88	22.51	19.78	33.00	Pass
15KHz	25MHz	HCH	DFT-64QAM	21.09	21.39	21.07	18.29	33.00	Pass
15KHz	25MHz	HCH	DFT-256QAM	18.83	19.15	19.01	16.05	33.00	Pass
15KHz	25MHz	HCH	CP-QPSK	21.75	22.07	22.02	18.97	33.00	Pass
15KHz	30MHz	LCH	DFT-Pi2BPSK	23.44	23.41	23.52	20.42	33.00	Pass
15KHz	30MHz	LCH	DFT-QPSK	23.38	23.37	23.45	20.35	33.00	Pass
15KHz	30MHz	LCH	DFT-16QAM	22.65	22.58	22.53	19.55	33.00	Pass
15KHz	30MHz	LCH	DFT-64QAM	21.21	21.16	21.03	18.11	33.00	Pass
15KHz	30MHz	LCH	DFT-256QAM	18.90	18.86	19.00	15.90	33.00	Pass
15KHz	30MHz	LCH	CP-QPSK	21.85	21.81	21.99	18.89	33.00	Pass
15KHz	30MHz	MCH	DFT-Pi2BPSK	23.33	23.45	23.43	20.35	33.00	Pass
15KHz	30MHz	MCH	DFT-QPSK	23.28	23.34	23.43	20.33	33.00	Pass
15KHz	30MHz	MCH	DFT-16QAM	22.56	22.67	22.42	19.57	33.00	Pass
15KHz	30MHz	MCH	DFT-64QAM	21.12	21.21	20.95	18.11	33.00	Pass
15KHz	30MHz	MCH	DFT-256QAM	18.76	18.89	18.92	15.82	33.00	Pass
15KHz	30MHz	MCH	CP-QPSK	21.75	21.86	21.94	18.84	33.00	Pass
15KHz	30MHz	HCH	DFT-Pi2BPSK	23.37	23.70	23.50	20.60	33.00	Pass
15KHz	30MHz	HCH	DFT-QPSK	23.33	23.69	23.51	20.59	33.00	Pass
15KHz	30MHz	HCH	DFT-16QAM	22.50	22.91	22.53	19.81	33.00	Pass
15KHz	30MHz	HCH	DFT-64QAM	21.06	21.39	21.03	18.29	33.00	Pass
15KHz	30MHz	HCH	DFT-256QAM	18.78	19.14	19.01	16.04	33.00	Pass
15KHz	30MHz	HCH	CP-QPSK	21.76	22.09	22.02	18.99	33.00	Pass
15KHz	35MHz	LCH	DFT-Pi2BPSK	23.40	23.43	23.48	20.38	33.00	Pass
15KHz	35MHz	LCH	DFT-QPSK	23.32	23.36	23.47	20.37	33.00	Pass
15KHz	35MHz	LCH	DFT-16QAM	22.58	22.59	22.51	19.49	33.00	Pass
15KHz	35MHz	LCH	DFT-64QAM	21.11	21.12	20.91	18.02	33.00	Pass
15KHz	35MHz	LCH	DFT-256QAM	18.86	18.88	19.07	15.97	33.00	Pass
15KHz	35MHz	LCH	CP-QPSK	21.83	21.86	21.98	18.88	33.00	Pass
15KHz	35MHz	MCH	DFT-Pi2BPSK	23.31	23.43	23.43	20.33	33.00	Pass
15KHz	35MHz	MCH	DFT-QPSK	23.22	23.36	23.38	20.28	33.00	Pass
15KHz	35MHz	MCH	DFT-16QAM	22.58	22.74	22.46	19.64	33.00	Pass
15KHz	35MHz	MCH	DFT-64QAM	21.03	21.28	20.93	18.18	33.00	Pass
15KHz	35MHz	MCH	DFT-256QAM	18.79	18.95	18.94	15.85	33.00	Pass
15KHz	35MHz	MCH	CP-QPSK	21.81	21.92	21.95	18.85	33.00	Pass
15KHz	35MHz	HCH	DFT-Pi2BPSK	23.22	23.68	23.53	20.58	33.00	Pass
15KHz	35MHz	HCH	DFT-QPSK	23.22	23.62	23.50	20.52	33.00	Pass
15KHz	35MHz	HCH	DFT-16QAM	22.41	22.90	22.56	19.80	33.00	Pass

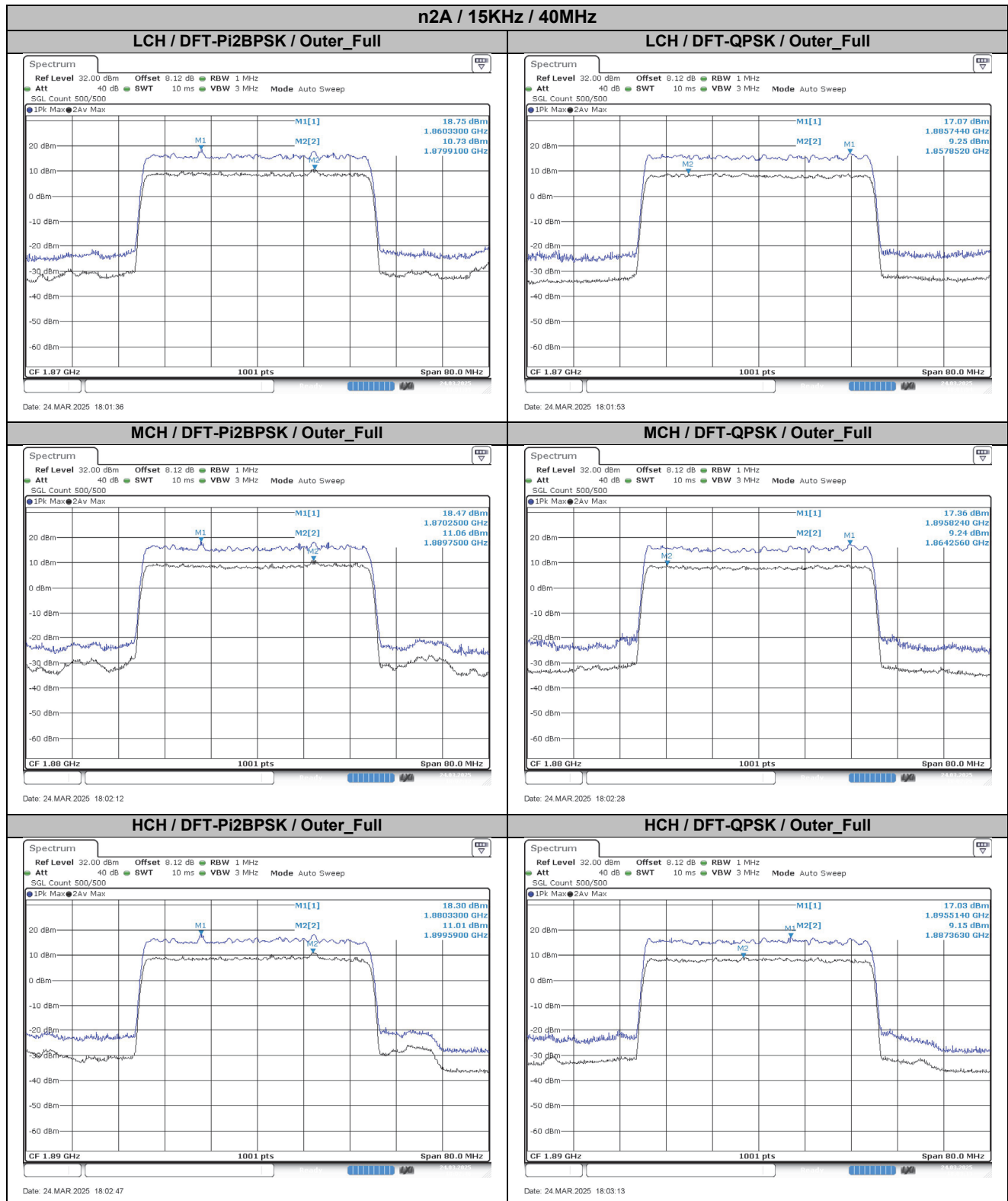
15KHz	35MHz	HCH	DFT-64QAM	20.98	21.37	21.02	18.27	33.00	Pass
15KHz	35MHz	HCH	DFT-256QAM	18.67	19.11	18.98	16.01	33.00	Pass
15KHz	35MHz	HCH	CP-QPSK	21.71	22.13	22.02	19.03	33.00	Pass
15KHz	40MHz	LCH	DFT-Pi2BPSK	23.43	23.42	23.47	20.37	33.00	Pass
15KHz	40MHz	LCH	DFT-QPSK	23.35	23.32	23.47	20.37	33.00	Pass
15KHz	40MHz	LCH	DFT-16QAM	22.58	22.64	22.45	19.54	33.00	Pass
15KHz	40MHz	LCH	DFT-64QAM	21.14	21.18	21.00	18.08	33.00	Pass
15KHz	40MHz	LCH	DFT-256QAM	18.89	18.92	19.00	15.90	33.00	Pass
15KHz	40MHz	LCH	CP-QPSK	21.79	21.87	21.89	18.79	33.00	Pass
15KHz	40MHz	MCH	DFT-Pi2BPSK	23.35	23.47	23.44	20.37	33.00	Pass
15KHz	40MHz	MCH	DFT-QPSK	23.28	23.36	23.43	20.33	33.00	Pass
15KHz	40MHz	MCH	DFT-16QAM	22.60	22.78	22.46	19.68	33.00	Pass
15KHz	40MHz	MCH	DFT-64QAM	21.09	21.26	20.95	18.16	33.00	Pass
15KHz	40MHz	MCH	DFT-256QAM	18.84	19.02	18.98	15.92	33.00	Pass
15KHz	40MHz	MCH	CP-QPSK	22.06	21.95	21.84	18.96	33.00	Pass
15KHz	40MHz	HCH	DFT-Pi2BPSK	23.30	23.72	23.50	20.62	33.00	Pass
15KHz	40MHz	HCH	DFT-QPSK	23.24	23.63	23.53	20.53	33.00	Pass
15KHz	40MHz	HCH	DFT-16QAM	22.45	22.93	22.54	19.83	33.00	Pass
15KHz	40MHz	HCH	DFT-64QAM	21.01	21.44	21.01	18.34	33.00	Pass
15KHz	40MHz	HCH	DFT-256QAM	18.76	19.14	19.03	16.04	33.00	Pass
15KHz	40MHz	HCH	CP-QPSK	21.68	22.16	21.99	19.06	33.00	Pass

2. Peak-to-Average Ratio

2.1. Test Results

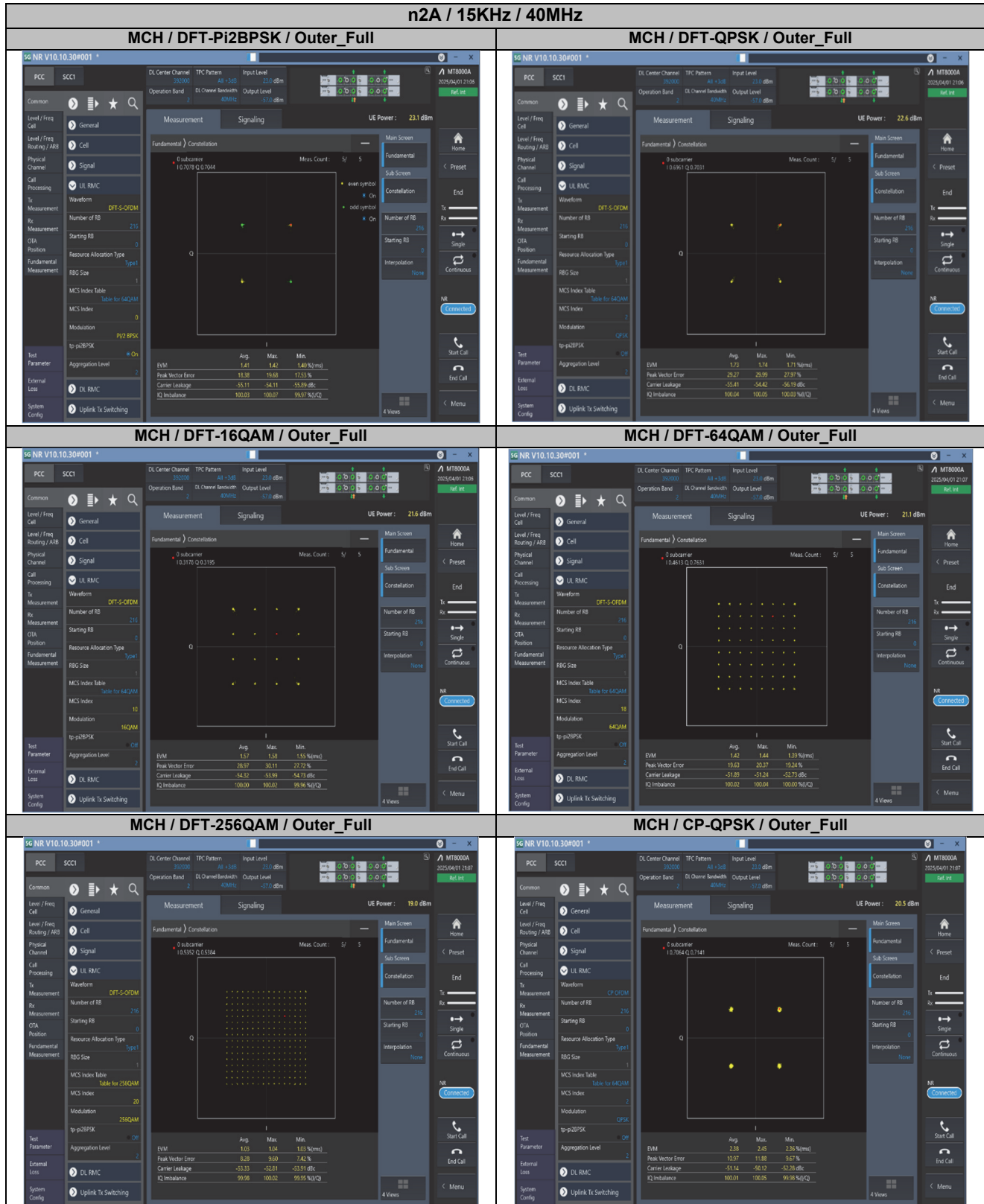
SCS	Bandwidth	Channel	RB	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	40MHz	LCH	Outer_Full	8.03	7.82	13.00	Pass
15KHz	40MHz	MCH	Outer_Full	7.41	8.13	13.00	Pass
15KHz	40MHz	HCH	Outer_Full	7.30	7.88	13.00	Pass

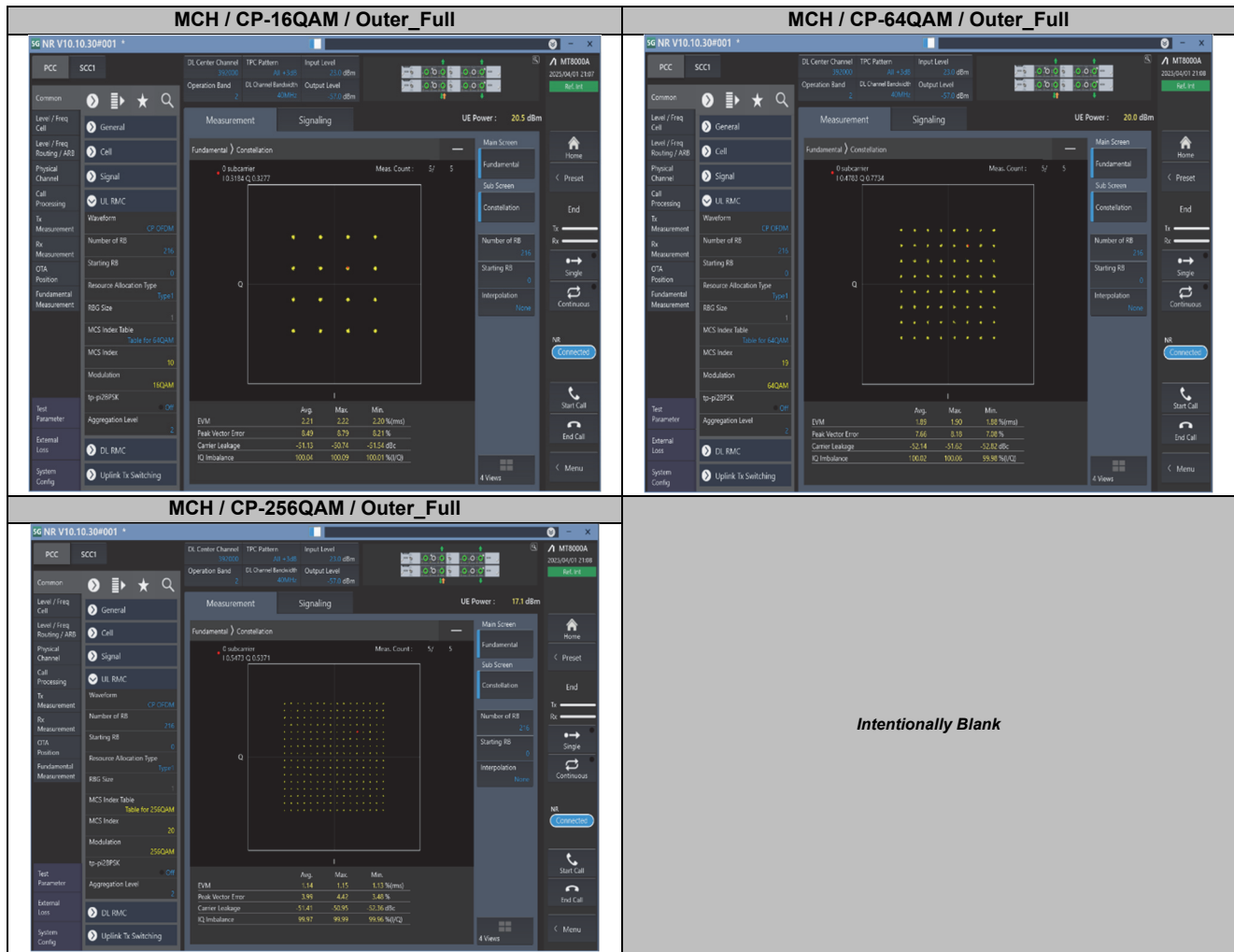
2.2. Test Plots for SCS=15KHz



3. Modulation Characteristics

3.1. Test Plots for SCS=15KHz



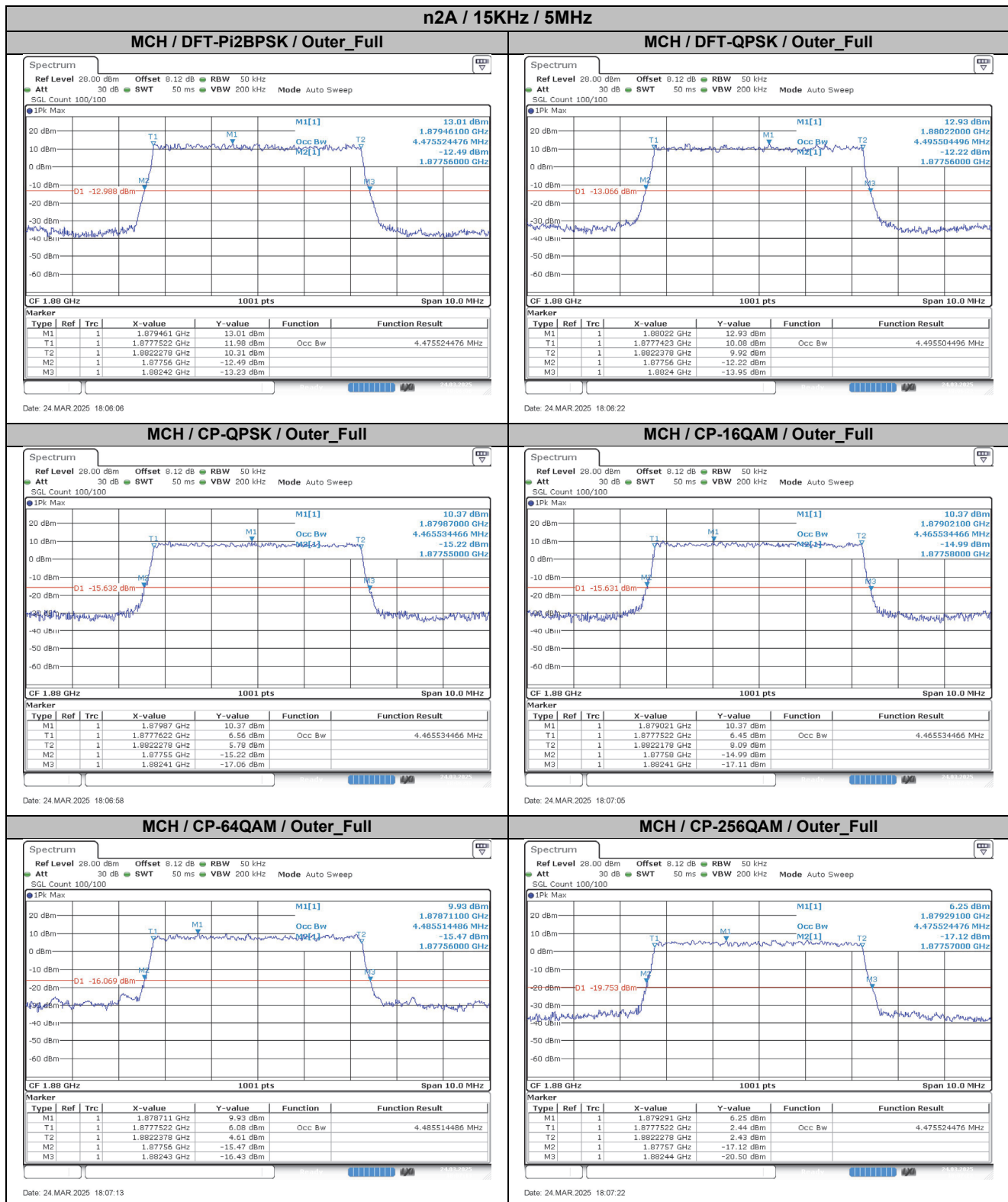


4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

4.1. Test Results

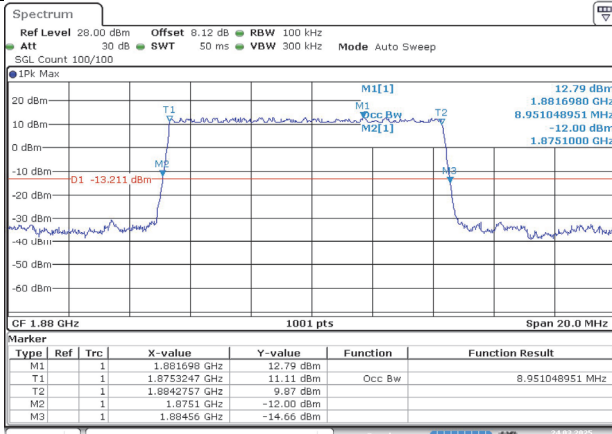
SCS	Bandwidth	Modulation	RB	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.48	4.86	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.50	4.84	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.47	4.86	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.47	4.83	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.49	4.87	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.48	4.87	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.95	9.46	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.91	9.38	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.27	9.80	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.29	9.80	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.29	9.76	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.27	9.76	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.43	14.10	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.43	14.13	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.09	14.82	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.12	14.88	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.15	14.88	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.15	14.85	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.86	18.68	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.82	18.68	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.90	19.80	Pass
15KHz	20MHz	CP-16QAM	Outer_Full	18.90	19.76	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	18.94	19.80	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	18.86	19.80	Pass
15KHz	25MHz	DFT-Pi2BPSK	Outer_Full	22.88	23.85	Pass
15KHz	25MHz	DFT-QPSK	Outer_Full	22.88	23.90	Pass
15KHz	25MHz	CP-QPSK	Outer_Full	23.73	24.80	Pass
15KHz	25MHz	CP-16QAM	Outer_Full	23.73	24.75	Pass
15KHz	25MHz	CP-64QAM	Outer_Full	23.78	24.80	Pass
15KHz	25MHz	CP-256QAM	Outer_Full	23.68	24.75	Pass
15KHz	30MHz	DFT-Pi2BPSK	Outer_Full	28.59	29.76	Pass
15KHz	30MHz	DFT-QPSK	Outer_Full	28.59	29.88	Pass
15KHz	30MHz	CP-QPSK	Outer_Full	28.59	29.88	Pass
15KHz	30MHz	CP-16QAM	Outer_Full	28.53	29.82	Pass
15KHz	30MHz	CP-64QAM	Outer_Full	28.65	29.94	Pass
15KHz	30MHz	CP-256QAM	Outer_Full	28.59	29.76	Pass
15KHz	35MHz	DFT-Pi2BPSK	Outer_Full	32.24	33.74	Pass
15KHz	35MHz	DFT-QPSK	Outer_Full	32.24	33.81	Pass
15KHz	35MHz	CP-QPSK	Outer_Full	33.57	35.21	Pass
15KHz	35MHz	CP-16QAM	Outer_Full	33.64	35.07	Pass
15KHz	35MHz	CP-64QAM	Outer_Full	33.71	35.14	Pass
15KHz	35MHz	CP-256QAM	Outer_Full	33.50	35.14	Pass
15KHz	40MHz	DFT-Pi2BPSK	Outer_Full	38.60	40.32	Pass
15KHz	40MHz	DFT-QPSK	Outer_Full	38.60	40.24	Pass
15KHz	40MHz	CP-QPSK	Outer_Full	38.60	40.24	Pass
15KHz	40MHz	CP-16QAM	Outer_Full	38.52	40.32	Pass
15KHz	40MHz	CP-64QAM	Outer_Full	38.60	40.32	Pass
15KHz	40MHz	CP-256QAM	Outer_Full	38.68	40.32	Pass

4.2. Test Plots for SCS=15KHz



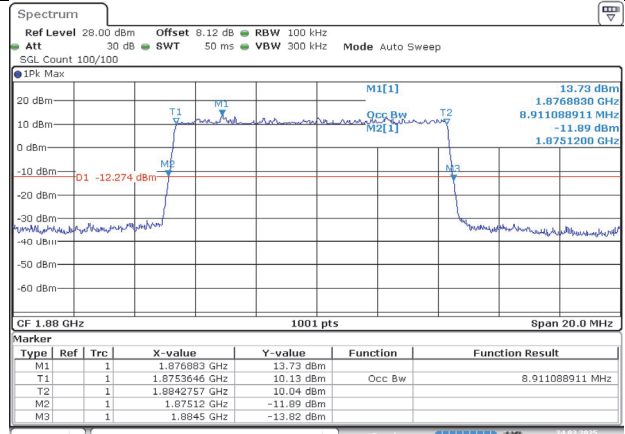
n2A / 15KHz / 10MHz

MCH / DFT-Pi2BPSK / Outer_Full



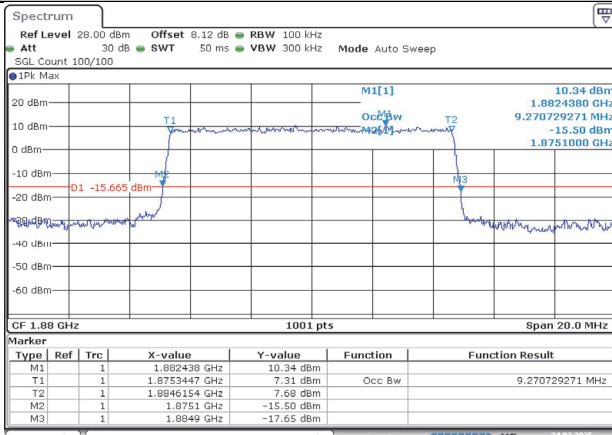
Date: 24 MAR 2025 18:07:53

MCH / DFT-QPSK / Outer_Full



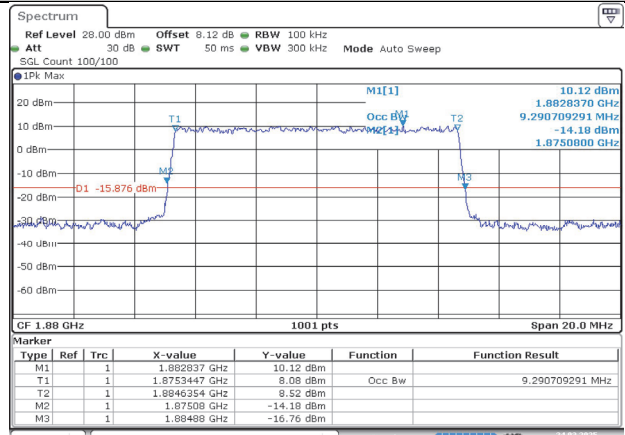
Date: 24 MAR 2025 18:08:10

MCH / CP-QPSK / Outer_Full



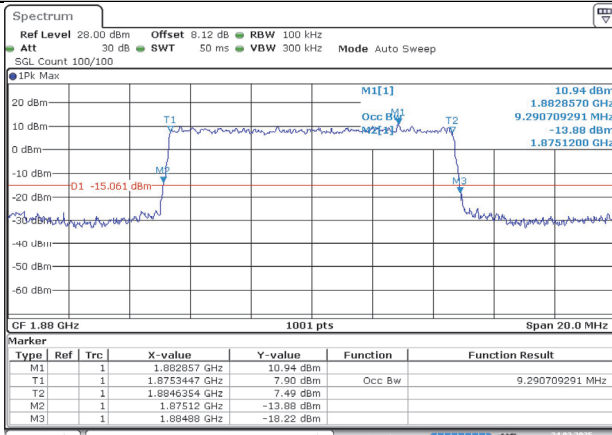
Date: 24 MAR 2025 18:08:48

MCH / CP-16QAM / Outer_Full



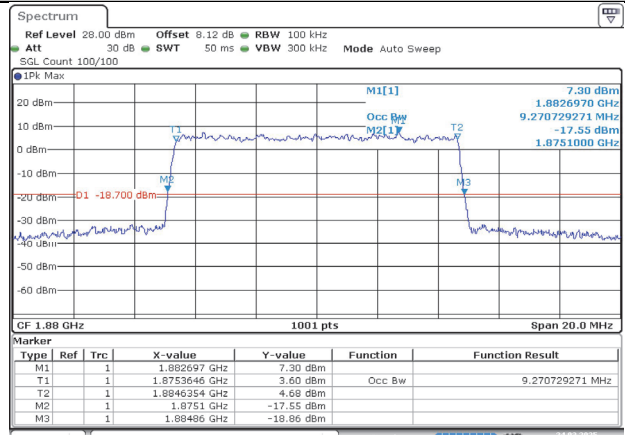
Date: 24 MAR 2025 18:08:57

MCH / CP-64QAM / Outer_Full



Date: 24 MAR 2025 18:09:05

MCH / CP-256QAM / Outer_Full



Date: 24 MAR 2025 18:09:15