

**Appendix  
for  
DC\_4A\_n41A  
(2496-2690)**

## Catalogue

<b>1.</b>	<b>EFFECTIVE ISOTROPIC RADIATED POWER .....</b>	<b>3</b>
1.1.	TEST RESULTS @ ANT1 (ANTENNA GAIN=-1.80DBI) .....	3
<b>2.</b>	<b>PEAK-TO-AVERAGE RATIO .....</b>	<b>7</b>
2.1.	TEST RESULTS .....	7
2.2.	TEST PLOTS.....	7
<b>3.</b>	<b>MODULATION CHARACTERISTICS.....</b>	<b>8</b>
3.1.	TEST PLOTS.....	8
<b>4.</b>	<b>99% OCCUPIED BANDWIDTH &amp; 26DB EMISSION BANDWIDTH .....</b>	<b>10</b>
4.1.	TEST RESULTS .....	10
4.2.	TEST PLOTS.....	12
<b>5.</b>	<b>CONDUCTED BAND EDGES .....</b>	<b>26</b>
5.1.	TEST PLOTS.....	26
<b>6.</b>	<b>CONDUCTED SPURIOUS EMISSION.....</b>	<b>45</b>
6.1.	TEST PLOTS.....	45
<b>7.</b>	<b>FREQUENCY STABILITY.....</b>	<b>57</b>
7.1.	TEST RESULTS .....	57

## 1. Effective Isotropic Radiated Power

### 1.1. Test Results @ Ant1 (Antenna Gain=-1.80dBi)

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	22.49	22.61	22.43	20.81	33.00	Pass
30KHz	10MHz	LCH	DFT-QPSK	22.33	22.55	22.46	20.75	33.00	Pass
30KHz	10MHz	LCH	DFT-16QAM	21.15	21.22	21.55	19.75	33.00	Pass
30KHz	10MHz	LCH	DFT-64QAM	19.90	19.99	20.06	18.26	33.00	Pass
30KHz	10MHz	LCH	DFT-256QAM	17.90	18.00	18.13	16.33	33.00	Pass
30KHz	10MHz	LCH	CP-QPSK	20.84	20.89	20.83	19.09	33.00	Pass
30KHz	10MHz	MCH	DFT-Pi2BPSK	22.82	22.93	22.84	21.13	33.00	Pass
30KHz	10MHz	MCH	DFT-QPSK	22.77	22.77	22.93	21.13	33.00	Pass
30KHz	10MHz	MCH	DFT-16QAM	21.54	21.65	21.93	20.13	33.00	Pass
30KHz	10MHz	MCH	DFT-64QAM	20.31	20.40	20.50	18.70	33.00	Pass
30KHz	10MHz	MCH	DFT-256QAM	18.30	18.39	18.50	16.70	33.00	Pass
30KHz	10MHz	MCH	CP-QPSK	21.19	21.30	21.32	19.52	33.00	Pass
30KHz	10MHz	HCH	DFT-Pi2BPSK	22.68	22.68	22.62	20.88	33.00	Pass
30KHz	10MHz	HCH	DFT-QPSK	22.63	22.69	22.75	20.95	33.00	Pass
30KHz	10MHz	HCH	DFT-16QAM	21.54	21.64	21.78	19.98	33.00	Pass
30KHz	10MHz	HCH	DFT-64QAM	20.19	20.33	20.44	18.64	33.00	Pass
30KHz	10MHz	HCH	DFT-256QAM	18.21	18.33	18.60	16.80	33.00	Pass
30KHz	10MHz	HCH	CP-QPSK	21.11	21.22	21.20	19.42	33.00	Pass
30KHz	15MHz	LCH	DFT-Pi2BPSK	23.04	23.34	23.01	21.54	33.00	Pass
30KHz	15MHz	LCH	DFT-QPSK	23.00	23.28	23.04	21.48	33.00	Pass
30KHz	15MHz	LCH	DFT-16QAM	21.77	21.99	22.11	20.31	33.00	Pass
30KHz	15MHz	LCH	DFT-64QAM	20.81	21.03	20.79	19.23	33.00	Pass
30KHz	15MHz	LCH	DFT-256QAM	18.59	18.82	18.63	17.02	33.00	Pass
30KHz	15MHz	LCH	CP-QPSK	21.60	21.85	21.63	20.05	33.00	Pass
30KHz	15MHz	MCH	DFT-Pi2BPSK	23.32	23.44	23.29	21.64	33.00	Pass
30KHz	15MHz	MCH	DFT-QPSK	23.22	23.41	23.45	21.65	33.00	Pass
30KHz	15MHz	MCH	DFT-16QAM	22.15	22.31	22.42	20.62	33.00	Pass
30KHz	15MHz	MCH	DFT-64QAM	21.30	21.40	21.11	19.60	33.00	Pass
30KHz	15MHz	MCH	DFT-256QAM	18.93	19.05	18.97	17.25	33.00	Pass
30KHz	15MHz	MCH	CP-QPSK	21.99	22.13	21.92	20.33	33.00	Pass
30KHz	15MHz	HCH	DFT-Pi2BPSK	22.90	22.98	23.05	21.25	33.00	Pass
30KHz	15MHz	HCH	DFT-QPSK	22.85	22.98	23.04	21.24	33.00	Pass
30KHz	15MHz	HCH	DFT-16QAM	21.75	21.94	22.05	20.25	33.00	Pass
30KHz	15MHz	HCH	DFT-64QAM	20.94	21.05	20.70	19.25	33.00	Pass
30KHz	15MHz	HCH	DFT-256QAM	18.54	18.73	18.65	16.93	33.00	Pass
30KHz	15MHz	HCH	CP-QPSK	21.48	21.90	21.59	20.10	33.00	Pass
30KHz	20MHz	LCH	DFT-Pi2BPSK	23.06	23.23	23.20	21.43	33.00	Pass
30KHz	20MHz	LCH	DFT-QPSK	23.05	23.26	23.22	21.46	33.00	Pass
30KHz	20MHz	LCH	DFT-16QAM	21.73	21.92	22.16	20.36	33.00	Pass
30KHz	20MHz	LCH	DFT-64QAM	20.75	21.01	20.67	19.21	33.00	Pass
30KHz	20MHz	LCH	DFT-256QAM	18.57	18.68	18.69	16.89	33.00	Pass
30KHz	20MHz	LCH	CP-QPSK	21.59	21.73	21.63	19.93	33.00	Pass
30KHz	20MHz	MCH	DFT-Pi2BPSK	23.31	23.48	23.43	21.68	33.00	Pass
30KHz	20MHz	MCH	DFT-QPSK	23.25	23.50	23.45	21.70	33.00	Pass
30KHz	20MHz	MCH	DFT-16QAM	22.13	22.29	22.44	20.64	33.00	Pass
30KHz	20MHz	MCH	DFT-64QAM	21.15	21.33	20.97	19.53	33.00	Pass
30KHz	20MHz	MCH	DFT-256QAM	18.97	19.12	18.94	17.32	33.00	Pass
30KHz	20MHz	MCH	CP-QPSK	22.01	22.12	21.94	20.32	33.00	Pass
30KHz	20MHz	HCH	DFT-Pi2BPSK	22.88	23.05	23.09	21.29	33.00	Pass
30KHz	20MHz	HCH	DFT-QPSK	22.81	23.04	23.05	21.25	33.00	Pass
30KHz	20MHz	HCH	DFT-16QAM	21.81	21.92	22.08	20.28	33.00	Pass
30KHz	20MHz	HCH	DFT-64QAM	20.96	21.14	20.60	19.34	33.00	Pass
30KHz	20MHz	HCH	DFT-256QAM	18.59	18.80	18.58	17.00	33.00	Pass
30KHz	20MHz	HCH	CP-QPSK	21.74	21.73	21.68	19.94	33.00	Pass
30KHz	25MHz	LCH	DFT-Pi2BPSK	22.93	23.30	23.24	21.50	33.00	Pass
30KHz	25MHz	LCH	DFT-QPSK	22.97	23.27	23.29	21.49	33.00	Pass
30KHz	25MHz	LCH	DFT-16QAM	21.70	21.87	22.13	20.33	33.00	Pass
30KHz	25MHz	LCH	DFT-64QAM	20.87	20.96	20.68	19.16	33.00	Pass

30KHz	25MHz	LCH	DFT-256QAM	18.48	18.66	18.65	16.86	33.00	Pass
30KHz	25MHz	LCH	CP-QPSK	21.52	21.70	21.58	19.90	33.00	Pass
30KHz	25MHz	MCH	DFT-Pi2BPSK	23.29	23.40	23.44	21.64	33.00	Pass
30KHz	25MHz	MCH	DFT-QPSK	23.28	23.35	23.36	21.56	33.00	Pass
30KHz	25MHz	MCH	DFT-16QAM	22.03	22.24	22.47	20.67	33.00	Pass
30KHz	25MHz	MCH	DFT-64QAM	21.23	21.44	20.98	19.64	33.00	Pass
30KHz	25MHz	MCH	DFT-256QAM	18.85	19.03	18.97	17.23	33.00	Pass
30KHz	25MHz	MCH	CP-QPSK	21.85	22.13	21.90	20.33	33.00	Pass
30KHz	25MHz	HCH	DFT-Pi2BPSK	22.72	22.93	23.01	21.21	33.00	Pass
30KHz	25MHz	HCH	DFT-QPSK	22.69	22.90	22.97	21.17	33.00	Pass
30KHz	25MHz	HCH	DFT-16QAM	21.68	21.89	22.11	20.31	33.00	Pass
30KHz	25MHz	HCH	DFT-64QAM	20.72	21.04	20.62	19.24	33.00	Pass
30KHz	25MHz	HCH	DFT-256QAM	18.44	18.75	18.60	16.95	33.00	Pass
30KHz	25MHz	HCH	CP-QPSK	21.54	21.93	21.58	20.13	33.00	Pass
30KHz	30MHz	LCH	DFT-Pi2BPSK	23.06	23.33	23.15	21.53	33.00	Pass
30KHz	30MHz	LCH	DFT-QPSK	23.01	23.32	23.15	21.52	33.00	Pass
30KHz	30MHz	LCH	DFT-16QAM	21.77	22.02	22.17	20.37	33.00	Pass
30KHz	30MHz	LCH	DFT-64QAM	20.73	21.11	20.63	19.31	33.00	Pass
30KHz	30MHz	LCH	DFT-256QAM	18.56	18.77	18.67	16.97	33.00	Pass
30KHz	30MHz	LCH	CP-QPSK	21.55	21.76	21.67	19.96	33.00	Pass
30KHz	30MHz	MCH	DFT-Pi2BPSK	23.34	23.36	23.38	21.58	33.00	Pass
30KHz	30MHz	MCH	DFT-QPSK	23.26	23.39	23.44	21.64	33.00	Pass
30KHz	30MHz	MCH	DFT-16QAM	22.15	22.33	22.48	20.68	33.00	Pass
30KHz	30MHz	MCH	DFT-64QAM	21.29	21.43	21.05	19.63	33.00	Pass
30KHz	30MHz	MCH	DFT-256QAM	19.02	19.09	18.98	17.29	33.00	Pass
30KHz	30MHz	MCH	CP-QPSK	22.03	22.25	21.98	20.45	33.00	Pass
30KHz	30MHz	HCH	DFT-Pi2BPSK	22.81	23.04	23.03	21.24	33.00	Pass
30KHz	30MHz	HCH	DFT-QPSK	22.75	22.99	22.93	21.19	33.00	Pass
30KHz	30MHz	HCH	DFT-16QAM	21.75	21.99	22.09	20.29	33.00	Pass
30KHz	30MHz	HCH	DFT-64QAM	20.91	21.19	20.61	19.39	33.00	Pass
30KHz	30MHz	HCH	DFT-256QAM	18.62	18.90	18.58	17.10	33.00	Pass
30KHz	30MHz	HCH	CP-QPSK	21.74	21.71	21.55	19.94	33.00	Pass
30KHz	35MHz	LCH	DFT-Pi2BPSK	23.05	23.39	23.21	21.59	33.00	Pass
30KHz	35MHz	LCH	DFT-QPSK	22.97	23.36	23.16	21.56	33.00	Pass
30KHz	35MHz	LCH	DFT-16QAM	21.79	22.10	22.19	20.39	33.00	Pass
30KHz	35MHz	LCH	DFT-64QAM	20.84	21.09	20.69	19.29	33.00	Pass
30KHz	35MHz	LCH	DFT-256QAM	18.57	18.90	18.65	17.10	33.00	Pass
30KHz	35MHz	LCH	CP-QPSK	21.60	21.92	21.59	20.12	33.00	Pass
30KHz	35MHz	MCH	DFT-Pi2BPSK	23.43	23.38	23.45	21.65	33.00	Pass
30KHz	35MHz	MCH	DFT-QPSK	23.30	23.41	23.45	21.65	33.00	Pass
30KHz	35MHz	MCH	DFT-16QAM	22.24	22.40	22.53	20.73	33.00	Pass
30KHz	35MHz	MCH	DFT-64QAM	21.31	21.40	21.00	19.60	33.00	Pass
30KHz	35MHz	MCH	DFT-256QAM	19.05	19.14	18.99	17.34	33.00	Pass
30KHz	35MHz	MCH	CP-QPSK	22.06	22.16	21.97	20.36	33.00	Pass
30KHz	35MHz	HCH	DFT-Pi2BPSK	22.81	23.06	23.02	21.26	33.00	Pass
30KHz	35MHz	HCH	DFT-QPSK	22.76	23.07	22.97	21.27	33.00	Pass
30KHz	35MHz	HCH	DFT-16QAM	21.81	22.08	22.07	20.28	33.00	Pass
30KHz	35MHz	HCH	DFT-64QAM	20.94	21.17	20.59	19.37	33.00	Pass
30KHz	35MHz	HCH	DFT-256QAM	18.59	18.93	18.59	17.13	33.00	Pass
30KHz	35MHz	HCH	CP-QPSK	21.63	21.94	21.58	20.14	33.00	Pass
30KHz	40MHz	LCH	DFT-Pi2BPSK	23.03	23.41	23.23	21.61	33.00	Pass
30KHz	40MHz	LCH	DFT-QPSK	22.96	23.36	23.20	21.56	33.00	Pass
30KHz	40MHz	LCH	DFT-16QAM	21.76	22.10	22.14	20.34	33.00	Pass
30KHz	40MHz	LCH	DFT-64QAM	20.77	21.16	20.69	19.36	33.00	Pass
30KHz	40MHz	LCH	DFT-256QAM	18.57	18.92	18.69	17.12	33.00	Pass
30KHz	40MHz	LCH	CP-QPSK	21.59	21.93	21.58	20.13	33.00	Pass
30KHz	40MHz	MCH	DFT-Pi2BPSK	23.49	23.47	23.41	21.69	33.00	Pass
30KHz	40MHz	MCH	DFT-QPSK	23.46	23.39	23.44	21.66	33.00	Pass
30KHz	40MHz	MCH	DFT-16QAM	22.21	22.31	22.55	20.75	33.00	Pass
30KHz	40MHz	MCH	DFT-64QAM	21.24	21.41	21.03	19.61	33.00	Pass
30KHz	40MHz	MCH	DFT-256QAM	19.06	19.17	19.00	17.37	33.00	Pass
30KHz	40MHz	MCH	CP-QPSK	22.09	22.21	22.00	20.41	33.00	Pass

30KHz	40MHz	HCH	DFT-Pi2BPSK	22.84	23.12	23.06	21.32	33.00	Pass
30KHz	40MHz	HCH	DFT-QPSK	22.84	23.08	22.97	21.28	33.00	Pass
30KHz	40MHz	HCH	DFT-16QAM	21.79	22.10	22.12	20.32	33.00	Pass
30KHz	40MHz	HCH	DFT-64QAM	20.90	21.27	20.60	19.47	33.00	Pass
30KHz	40MHz	HCH	DFT-256QAM	18.53	18.95	18.59	17.15	33.00	Pass
30KHz	40MHz	HCH	CP-QPSK	21.71	22.00	21.62	20.20	33.00	Pass
30KHz	45MHz	LCH	DFT-Pi2BPSK	23.01	23.43	23.24	21.63	33.00	Pass
30KHz	45MHz	LCH	DFT-QPSK	22.99	23.40	23.17	21.60	33.00	Pass
30KHz	45MHz	LCH	DFT-16QAM	21.71	22.09	22.18	20.38	33.00	Pass
30KHz	45MHz	LCH	DFT-64QAM	20.68	21.10	20.72	19.30	33.00	Pass
30KHz	45MHz	LCH	DFT-256QAM	18.50	18.94	18.70	17.14	33.00	Pass
30KHz	45MHz	LCH	CP-QPSK	21.55	21.91	21.59	20.11	33.00	Pass
30KHz	45MHz	MCH	DFT-Pi2BPSK	23.51	23.46	23.37	21.71	33.00	Pass
30KHz	45MHz	MCH	DFT-QPSK	23.47	23.45	23.42	21.67	33.00	Pass
30KHz	45MHz	MCH	DFT-16QAM	22.26	22.38	22.54	20.74	33.00	Pass
30KHz	45MHz	MCH	DFT-64QAM	21.26	21.40	21.10	19.60	33.00	Pass
30KHz	45MHz	MCH	DFT-256QAM	19.09	19.16	19.09	17.36	33.00	Pass
30KHz	45MHz	MCH	CP-QPSK	22.08	22.24	21.97	20.44	33.00	Pass
30KHz	45MHz	HCH	DFT-Pi2BPSK	22.91	23.09	23.09	21.29	33.00	Pass
30KHz	45MHz	HCH	DFT-QPSK	22.97	23.15	23.02	21.35	33.00	Pass
30KHz	45MHz	HCH	DFT-16QAM	21.91	22.10	22.12	20.32	33.00	Pass
30KHz	45MHz	HCH	DFT-64QAM	20.91	21.28	20.69	19.48	33.00	Pass
30KHz	45MHz	HCH	DFT-256QAM	18.63	18.97	18.65	17.17	33.00	Pass
30KHz	45MHz	HCH	CP-QPSK	21.72	21.85	21.61	20.05	33.00	Pass
30KHz	50MHz	LCH	DFT-Pi2BPSK	23.04	23.56	23.31	21.76	33.00	Pass
30KHz	50MHz	LCH	DFT-QPSK	22.96	23.43	23.25	21.63	33.00	Pass
30KHz	50MHz	LCH	DFT-16QAM	21.66	22.17	22.13	20.37	33.00	Pass
30KHz	50MHz	LCH	DFT-64QAM	20.45	20.95	20.72	19.15	33.00	Pass
30KHz	50MHz	LCH	DFT-256QAM	18.47	18.90	18.69	17.10	33.00	Pass
30KHz	50MHz	LCH	CP-QPSK	21.42	21.94	21.65	20.14	33.00	Pass
30KHz	50MHz	MCH	DFT-Pi2BPSK	23.51	23.47	23.54	21.74	33.00	Pass
30KHz	50MHz	MCH	DFT-QPSK	23.50	23.42	23.44	21.70	33.00	Pass
30KHz	50MHz	MCH	DFT-16QAM	22.23	22.28	22.55	20.75	33.00	Pass
30KHz	50MHz	MCH	DFT-64QAM	21.04	21.07	21.14	19.34	33.00	Pass
30KHz	50MHz	MCH	DFT-256QAM	19.02	19.15	19.15	17.35	33.00	Pass
30KHz	50MHz	MCH	CP-QPSK	22.14	22.12	22.12	20.34	33.00	Pass
30KHz	50MHz	HCH	DFT-Pi2BPSK	22.93	23.29	23.13	21.49	33.00	Pass
30KHz	50MHz	HCH	DFT-QPSK	22.96	23.20	23.11	21.40	33.00	Pass
30KHz	50MHz	HCH	DFT-16QAM	21.84	22.17	22.16	20.37	33.00	Pass
30KHz	50MHz	HCH	DFT-64QAM	20.69	20.83	20.72	19.03	33.00	Pass
30KHz	50MHz	HCH	DFT-256QAM	18.55	18.84	18.72	17.04	33.00	Pass
30KHz	50MHz	HCH	CP-QPSK	21.73	22.08	21.69	20.28	33.00	Pass
30KHz	60MHz	LCH	DFT-Pi2BPSK	22.97	23.64	23.28	21.84	33.00	Pass
30KHz	60MHz	LCH	DFT-QPSK	22.91	23.54	23.22	21.74	33.00	Pass
30KHz	60MHz	LCH	DFT-16QAM	21.72	22.33	22.21	20.53	33.00	Pass
30KHz	60MHz	LCH	DFT-64QAM	20.52	21.07	20.79	19.27	33.00	Pass
30KHz	60MHz	LCH	DFT-256QAM	18.42	19.16	18.76	17.36	33.00	Pass
30KHz	60MHz	LCH	CP-QPSK	21.48	22.14	21.67	20.34	33.00	Pass
30KHz	60MHz	MCH	DFT-Pi2BPSK	23.56	23.51	23.58	21.78	33.00	Pass
30KHz	60MHz	MCH	DFT-QPSK	23.49	23.53	23.54	21.74	33.00	Pass
30KHz	60MHz	MCH	DFT-16QAM	22.37	22.43	22.60	20.80	33.00	Pass
30KHz	60MHz	MCH	DFT-64QAM	21.05	21.25	21.12	19.45	33.00	Pass
30KHz	60MHz	MCH	DFT-256QAM	19.01	19.23	19.09	17.43	33.00	Pass
30KHz	60MHz	MCH	CP-QPSK	22.14	22.35	22.09	20.55	33.00	Pass
30KHz	60MHz	HCH	DFT-Pi2BPSK	23.00	23.24	23.15	21.44	33.00	Pass
30KHz	60MHz	HCH	DFT-QPSK	23.01	23.27	23.07	21.47	33.00	Pass
30KHz	60MHz	HCH	DFT-16QAM	21.92	22.23	22.20	20.43	33.00	Pass
30KHz	60MHz	HCH	DFT-64QAM	20.70	21.06	20.72	19.26	33.00	Pass
30KHz	60MHz	HCH	DFT-256QAM	18.61	18.90	18.69	17.10	33.00	Pass
30KHz	60MHz	HCH	CP-QPSK	21.88	22.02	21.70	20.22	33.00	Pass
30KHz	70MHz	LCH	DFT-Pi2BPSK	23.01	23.77	23.31	21.97	33.00	Pass
30KHz	70MHz	LCH	DFT-QPSK	22.86	23.72	23.30	21.92	33.00	Pass

30KHz	70MHz	LCH	DFT-16QAM	21.75	22.55	22.37	20.75	33.00	Pass
30KHz	70MHz	LCH	DFT-64QAM	20.49	21.28	20.87	19.48	33.00	Pass
30KHz	70MHz	LCH	DFT-256QAM	18.65	19.39	18.88	17.59	33.00	Pass
30KHz	70MHz	LCH	CP-QPSK	21.57	22.37	21.80	20.57	33.00	Pass
30KHz	70MHz	MCH	DFT-Pi2BPSK	23.59	23.68	23.68	21.88	33.00	Pass
30KHz	70MHz	MCH	DFT-QPSK	23.52	23.66	23.64	21.86	33.00	Pass
30KHz	70MHz	MCH	DFT-16QAM	22.41	22.57	22.69	20.89	33.00	Pass
30KHz	70MHz	MCH	DFT-64QAM	21.18	21.17	21.23	19.43	33.00	Pass
30KHz	70MHz	MCH	DFT-256QAM	19.04	19.38	19.18	17.58	33.00	Pass
30KHz	70MHz	MCH	CP-QPSK	22.22	22.43	22.11	20.63	33.00	Pass
30KHz	70MHz	HCH	DFT-Pi2BPSK	23.17	23.45	23.30	21.65	33.00	Pass
30KHz	70MHz	HCH	DFT-QPSK	23.22	23.49	23.31	21.69	33.00	Pass
30KHz	70MHz	HCH	DFT-16QAM	22.07	22.32	22.32	20.52	33.00	Pass
30KHz	70MHz	HCH	DFT-64QAM	20.87	21.02	20.82	19.22	33.00	Pass
30KHz	70MHz	HCH	DFT-256QAM	18.82	19.18	18.84	17.38	33.00	Pass
30KHz	70MHz	HCH	CP-QPSK	21.95	22.21	21.80	20.41	33.00	Pass
30KHz	80MHz	LCH	DFT-Pi2BPSK	23.13	23.78	23.42	21.98	33.00	Pass
30KHz	80MHz	LCH	DFT-QPSK	23.06	23.71	23.44	21.91	33.00	Pass
30KHz	80MHz	LCH	DFT-16QAM	21.84	22.56	22.46	20.76	33.00	Pass
30KHz	80MHz	LCH	DFT-64QAM	20.86	21.32	20.93	19.52	33.00	Pass
30KHz	80MHz	LCH	DFT-256QAM	18.66	19.41	19.02	17.61	33.00	Pass
30KHz	80MHz	LCH	CP-QPSK	21.62	22.36	21.92	20.56	33.00	Pass
30KHz	80MHz	MCH	DFT-Pi2BPSK	23.59	23.79	23.68	21.99	33.00	Pass
30KHz	80MHz	MCH	DFT-QPSK	23.52	23.74	23.67	21.94	33.00	Pass
30KHz	80MHz	MCH	DFT-16QAM	22.44	22.61	22.68	20.88	33.00	Pass
30KHz	80MHz	MCH	DFT-64QAM	21.44	21.31	21.14	19.64	33.00	Pass
30KHz	80MHz	MCH	DFT-256QAM	19.17	19.41	19.23	17.61	33.00	Pass
30KHz	80MHz	MCH	CP-QPSK	22.24	22.43	22.16	20.63	33.00	Pass
30KHz	80MHz	HCH	DFT-Pi2BPSK	23.31	23.53	23.35	21.73	33.00	Pass
30KHz	80MHz	HCH	DFT-QPSK	23.26	23.52	23.38	21.72	33.00	Pass
30KHz	80MHz	HCH	DFT-16QAM	22.10	22.41	22.34	20.61	33.00	Pass
30KHz	80MHz	HCH	DFT-64QAM	21.13	21.47	20.81	19.67	33.00	Pass
30KHz	80MHz	HCH	DFT-256QAM	18.85	19.22	18.89	17.42	33.00	Pass
30KHz	80MHz	HCH	CP-QPSK	21.93	22.25	21.81	20.45	33.00	Pass
30KHz	90MHz	LCH	DFT-Pi2BPSK	23.20	23.76	23.51	21.96	33.00	Pass
30KHz	90MHz	LCH	DFT-QPSK	23.19	23.69	23.54	21.89	33.00	Pass
30KHz	90MHz	LCH	DFT-16QAM	21.97	22.48	22.48	20.68	33.00	Pass
30KHz	90MHz	LCH	DFT-64QAM	20.79	21.37	21.01	19.57	33.00	Pass
30KHz	90MHz	LCH	DFT-256QAM	18.67	19.16	19.05	17.36	33.00	Pass
30KHz	90MHz	LCH	CP-QPSK	21.62	22.22	21.94	20.42	33.00	Pass
30KHz	90MHz	MCH	DFT-Pi2BPSK	23.38	23.63	23.53	21.83	33.00	Pass
30KHz	90MHz	MCH	DFT-QPSK	23.33	23.62	23.61	21.82	33.00	Pass
30KHz	90MHz	MCH	DFT-16QAM	22.16	22.45	22.57	20.77	33.00	Pass
30KHz	90MHz	MCH	DFT-64QAM	21.22	21.31	21.19	19.51	33.00	Pass
30KHz	90MHz	MCH	DFT-256QAM	18.99	19.31	19.13	17.51	33.00	Pass
30KHz	90MHz	MCH	CP-QPSK	21.97	22.32	22.03	20.52	33.00	Pass
30KHz	90MHz	HCH	DFT-Pi2BPSK	23.20	23.42	23.23	21.62	33.00	Pass
30KHz	90MHz	HCH	DFT-QPSK	23.21	23.44	23.30	21.64	33.00	Pass
30KHz	90MHz	HCH	DFT-16QAM	22.07	22.35	22.30	20.55	33.00	Pass
30KHz	90MHz	HCH	DFT-64QAM	21.08	21.41	20.80	19.61	33.00	Pass
30KHz	90MHz	HCH	DFT-256QAM	18.84	19.16	18.85	17.36	33.00	Pass
30KHz	90MHz	HCH	CP-QPSK	21.84	21.95	21.71	20.15	33.00	Pass
30KHz	100MHz	LCH	DFT-Pi2BPSK	23.06	23.63	23.35	21.83	33.00	Pass
30KHz	100MHz	LCH	DFT-QPSK	22.91	23.62	23.42	21.82	33.00	Pass
30KHz	100MHz	LCH	DFT-16QAM	21.75	22.42	22.51	20.71	33.00	Pass
30KHz	100MHz	LCH	DFT-64QAM	20.80	21.33	21.06	19.53	33.00	Pass
30KHz	100MHz	LCH	DFT-256QAM	18.54	19.25	19.09	17.45	33.00	Pass
30KHz	100MHz	LCH	CP-QPSK	21.61	22.39	21.96	20.59	33.00	Pass
30KHz	100MHz	MCH	DFT-Pi2BPSK	23.36	23.70	23.54	21.90	33.00	Pass
30KHz	100MHz	MCH	DFT-QPSK	23.31	23.64	23.62	21.84	33.00	Pass
30KHz	100MHz	MCH	DFT-16QAM	22.08	22.42	22.64	20.84	33.00	Pass
30KHz	100MHz	MCH	DFT-64QAM	21.16	21.33	21.20	19.53	33.00	Pass

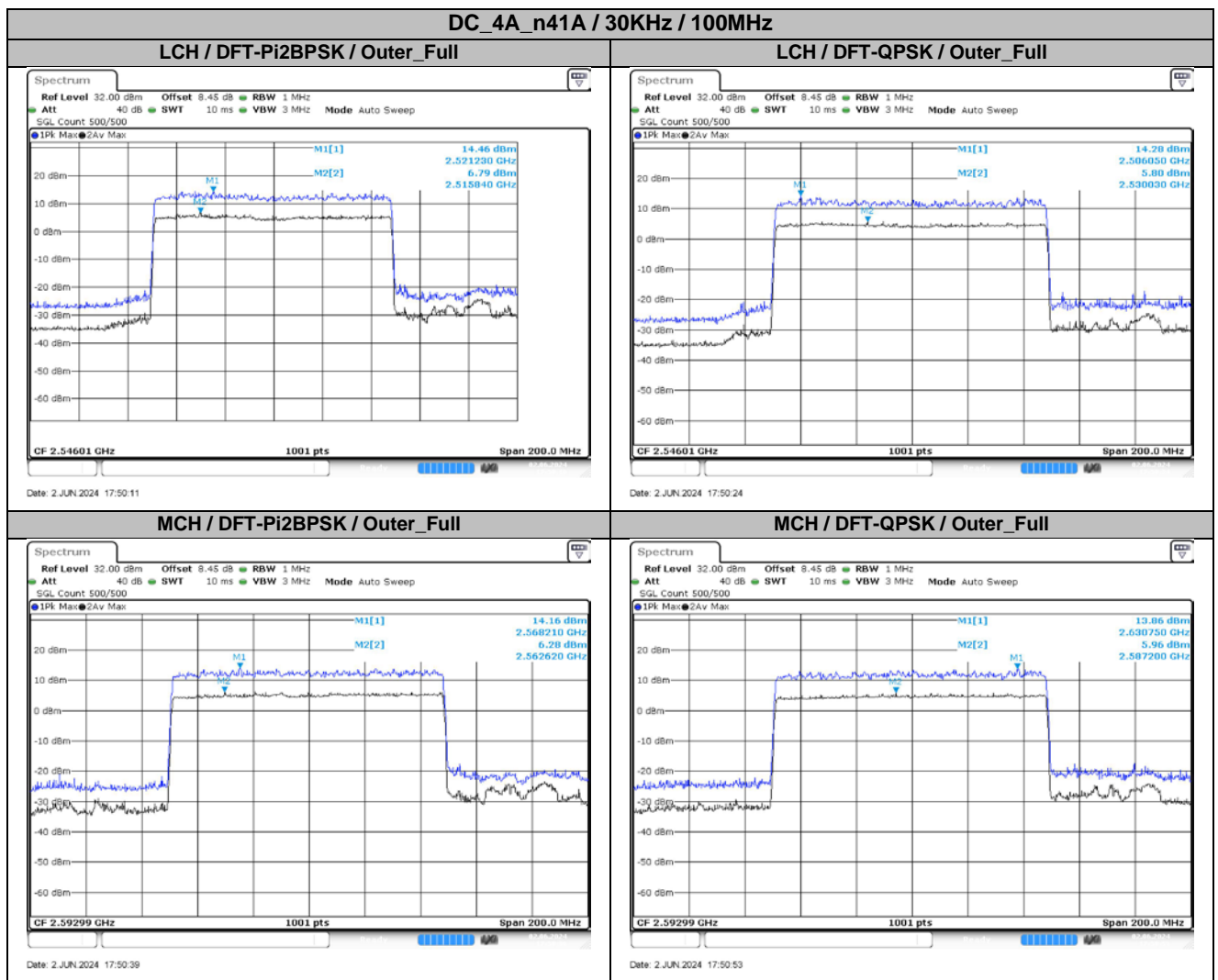
30KHz	100MHz	MCH	DFT-256QAM	18.94	19.30	19.21	17.50	33.00	Pass
30KHz	100MHz	MCH	CP-QPSK	21.91	22.35	22.04	20.55	33.00	Pass
30KHz	100MHz	HCH	DFT-Pi2BPSK	23.26	23.48	23.24	21.68	33.00	Pass
30KHz	100MHz	HCH	DFT-QPSK	23.22	23.51	23.30	21.71	33.00	Pass
30KHz	100MHz	HCH	DFT-16QAM	22.06	22.37	22.30	20.57	33.00	Pass
30KHz	100MHz	HCH	DFT-64QAM	21.13	21.45	20.82	19.65	33.00	Pass
30KHz	100MHz	HCH	DFT-256QAM	18.89	19.21	18.90	17.41	33.00	Pass
30KHz	100MHz	HCH	CP-QPSK	21.87	22.25	21.78	20.45	33.00	Pass

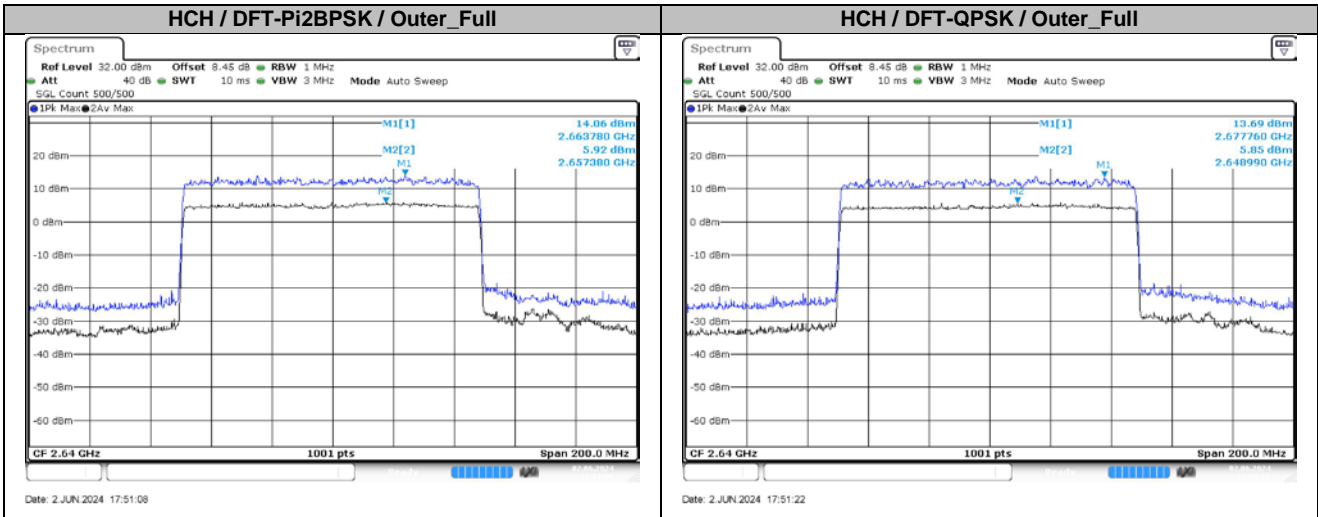
## 2. Peak-to-Average Ratio

### 2.1. Test Results

SCS	Bandwidth	Channel	RB	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
30KHz	100MHz	LCH	Outer_Full	7.67	8.48	13.00	Pass
30KHz	100MHz	MCH	Outer_Full	7.88	7.90	13.00	Pass
30KHz	100MHz	HCH	Outer_Full	8.14	7.84	13.00	Pass

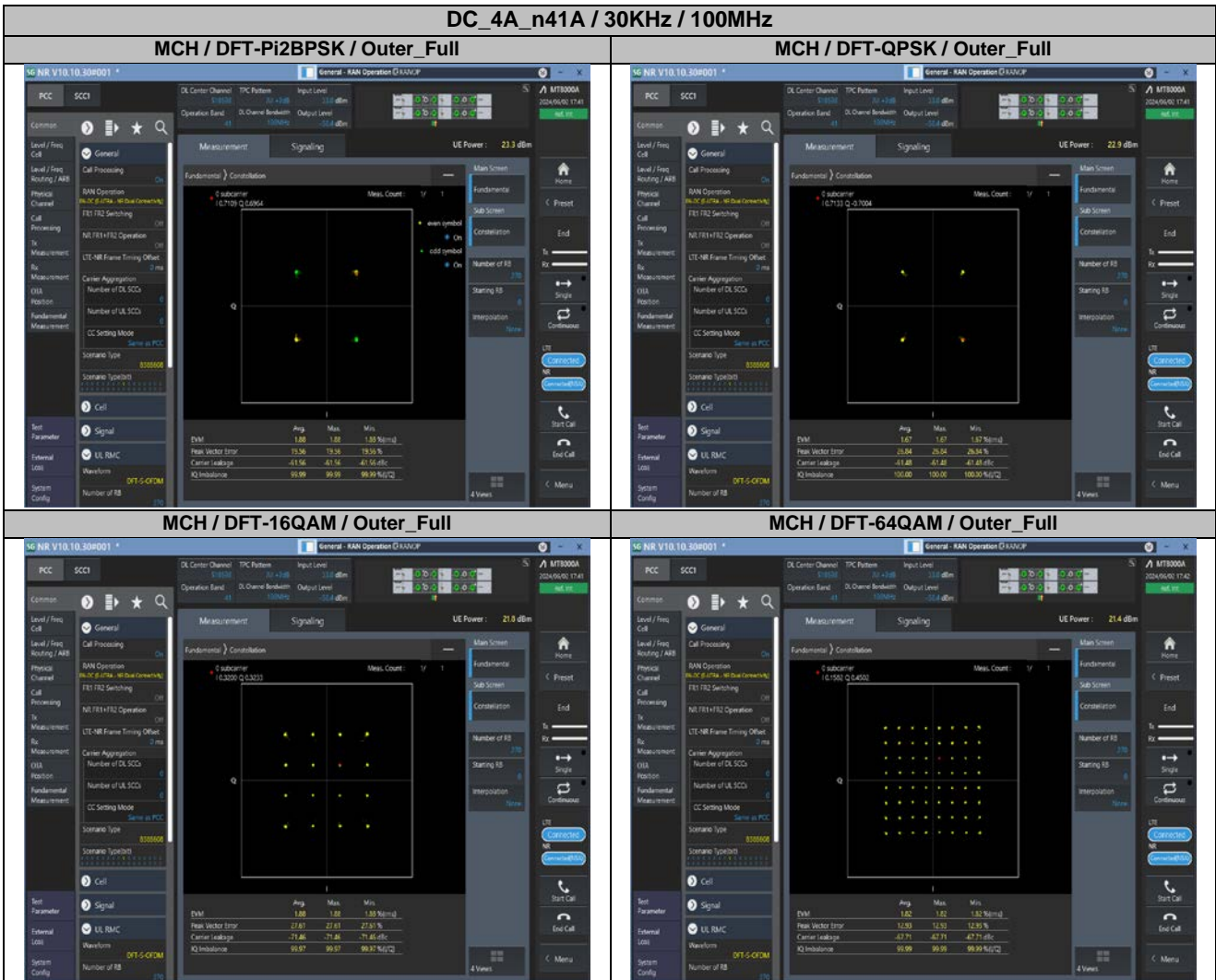
### 2.2. Test Plots



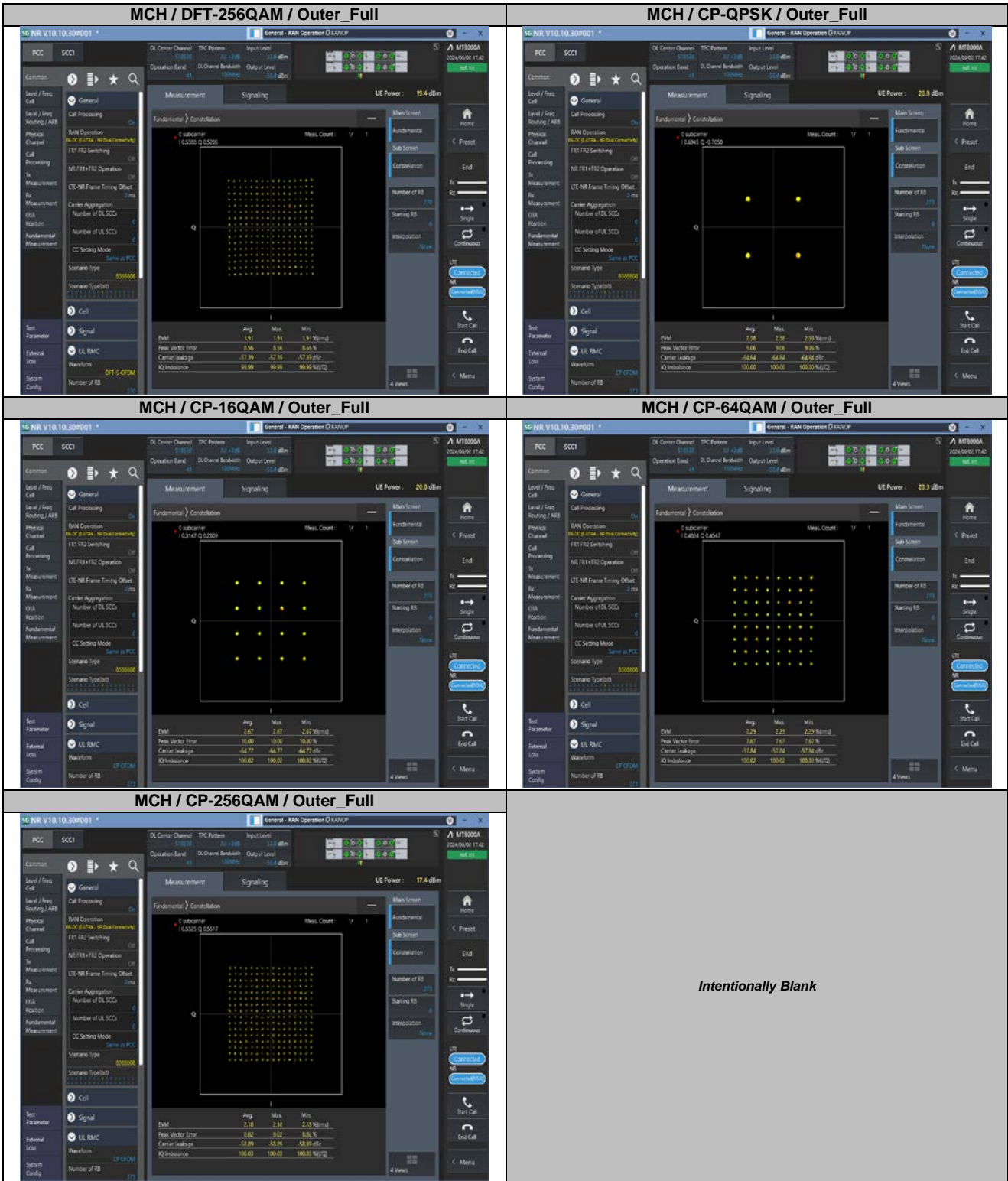


### 3. Modulation Characteristics

#### 3.1. Test Plots







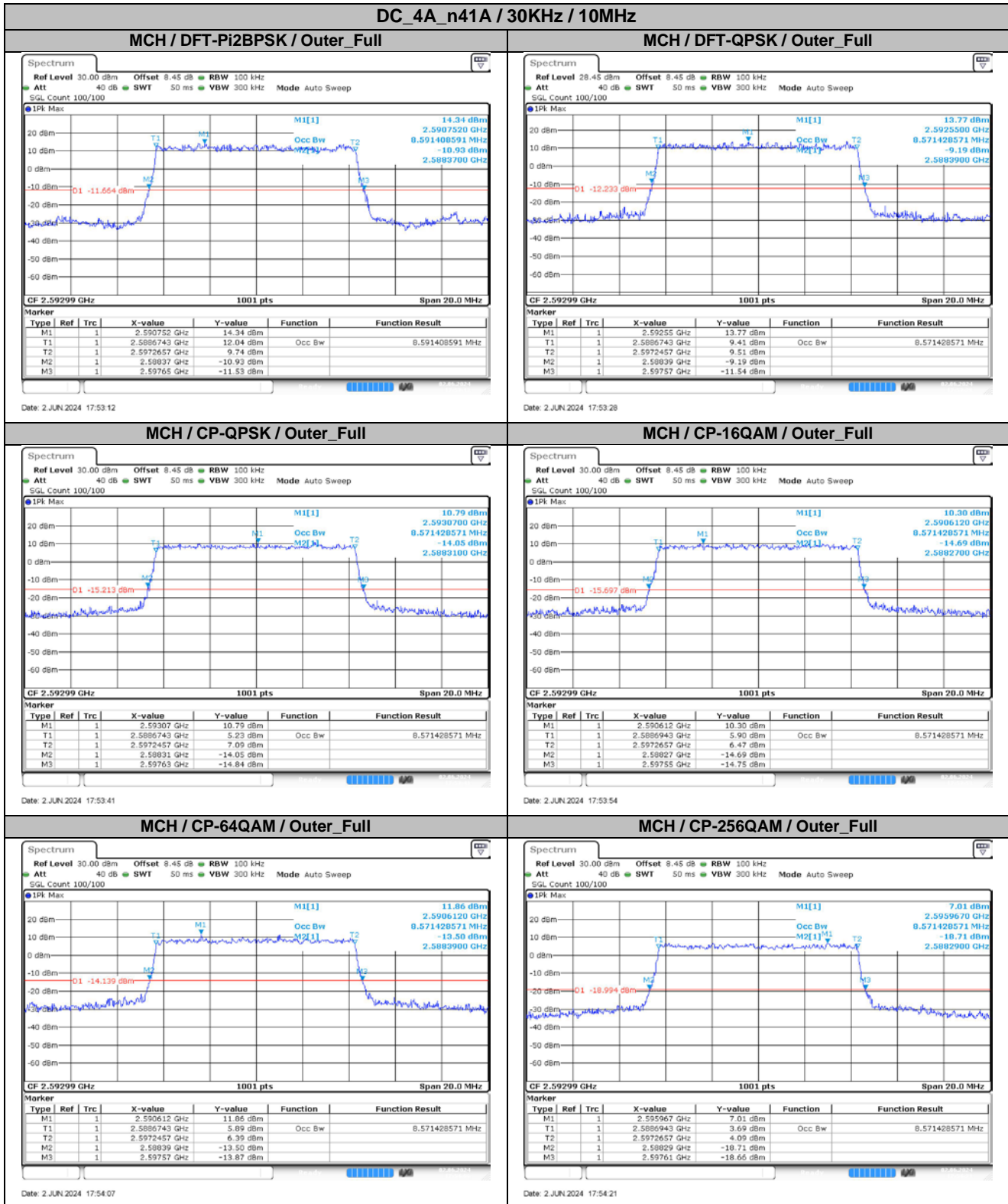
## 4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

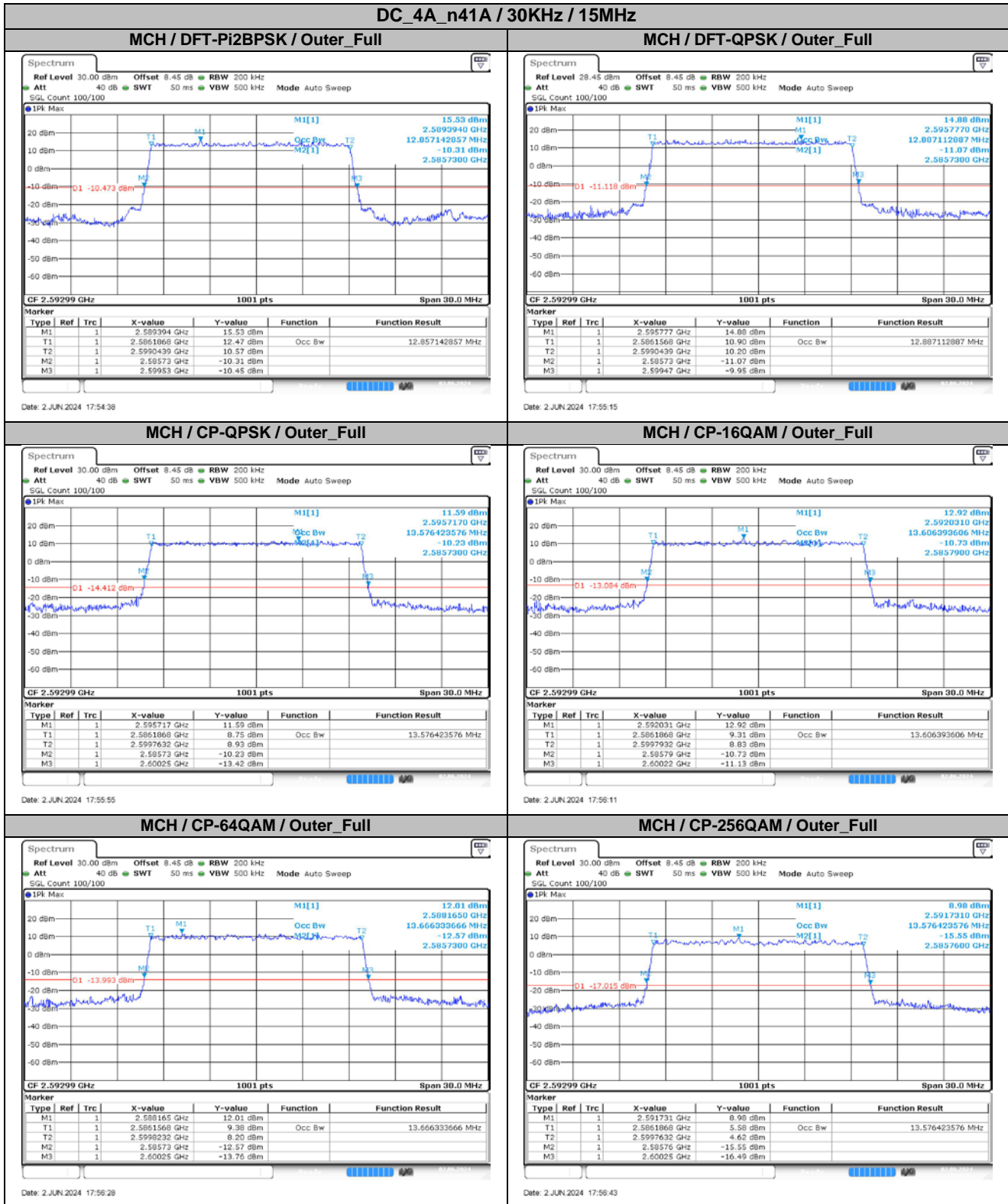
### 4.1. Test Results

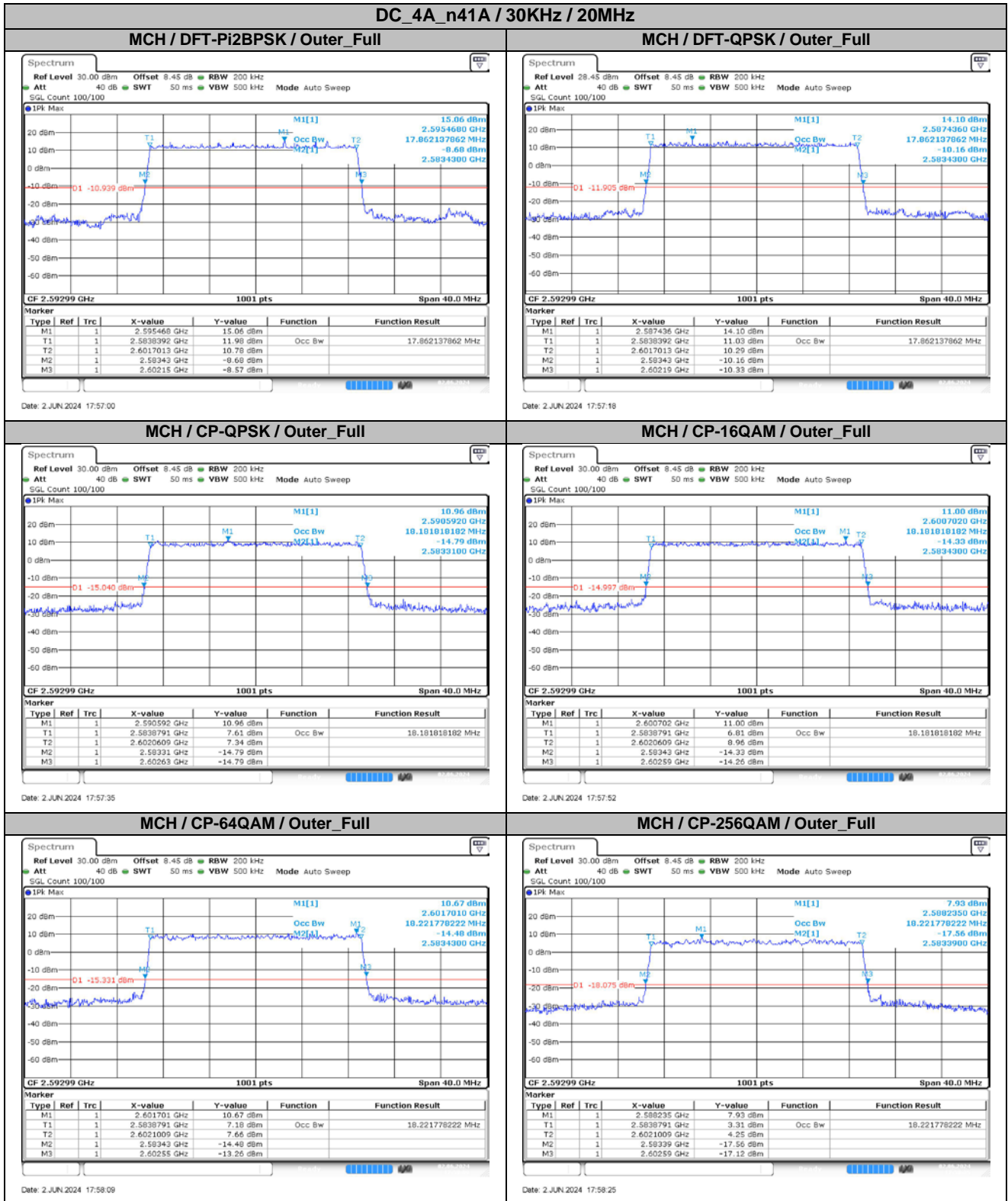
SCS	Bandwidth	Modulation	RB	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
30KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.59	9.28	Pass
30KHz	10MHz	DFT-QPSK	Outer_Full	8.57	9.18	Pass
30KHz	10MHz	CP-QPSK	Outer_Full	8.57	9.32	Pass
30KHz	10MHz	CP-16QAM	Outer_Full	8.57	9.28	Pass
30KHz	10MHz	CP-64QAM	Outer_Full	8.57	9.18	Pass
30KHz	10MHz	CP-256QAM	Outer_Full	8.57	9.32	Pass
30KHz	15MHz	DFT-Pi2BPSK	Outer_Full	12.86	13.80	Pass
30KHz	15MHz	DFT-QPSK	Outer_Full	12.89	13.74	Pass
30KHz	15MHz	CP-QPSK	Outer_Full	13.58	14.52	Pass
30KHz	15MHz	CP-16QAM	Outer_Full	13.61	14.43	Pass
30KHz	15MHz	CP-64QAM	Outer_Full	13.67	14.52	Pass
30KHz	15MHz	CP-256QAM	Outer_Full	13.58	14.49	Pass
30KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.86	18.72	Pass
30KHz	20MHz	DFT-QPSK	Outer_Full	17.86	18.76	Pass
30KHz	20MHz	CP-QPSK	Outer_Full	18.18	19.32	Pass
30KHz	20MHz	CP-16QAM	Outer_Full	18.18	19.16	Pass
30KHz	20MHz	CP-64QAM	Outer_Full	18.22	19.12	Pass
30KHz	20MHz	CP-256QAM	Outer_Full	18.22	19.20	Pass
30KHz	25MHz	DFT-Pi2BPSK	Outer_Full	22.98	23.95	Pass
30KHz	25MHz	DFT-QPSK	Outer_Full	22.83	23.95	Pass
30KHz	25MHz	CP-QPSK	Outer_Full	23.18	24.35	Pass
30KHz	25MHz	CP-16QAM	Outer_Full	23.23	24.30	Pass
30KHz	25MHz	CP-64QAM	Outer_Full	23.23	24.35	Pass
30KHz	25MHz	CP-256QAM	Outer_Full	23.23	24.40	Pass
30KHz	30MHz	DFT-Pi2BPSK	Outer_Full	26.79	28.20	Pass
30KHz	30MHz	DFT-QPSK	Outer_Full	26.73	28.20	Pass
30KHz	30MHz	CP-QPSK	Outer_Full	27.75	29.22	Pass
30KHz	30MHz	CP-16QAM	Outer_Full	27.87	29.22	Pass
30KHz	30MHz	CP-64QAM	Outer_Full	27.75	29.28	Pass
30KHz	30MHz	CP-256QAM	Outer_Full	27.87	29.34	Pass
30KHz	35MHz	DFT-Pi2BPSK	Outer_Full	32.17	33.67	Pass
30KHz	35MHz	DFT-QPSK	Outer_Full	32.10	33.46	Pass
30KHz	35MHz	CP-QPSK	Outer_Full	32.73	34.30	Pass
30KHz	35MHz	CP-16QAM	Outer_Full	32.87	34.37	Pass
30KHz	35MHz	CP-64QAM	Outer_Full	32.87	34.30	Pass
30KHz	35MHz	CP-256QAM	Outer_Full	32.87	34.37	Pass
30KHz	40MHz	DFT-Pi2BPSK	Outer_Full	35.80	37.68	Pass
30KHz	40MHz	DFT-QPSK	Outer_Full	35.80	37.36	Pass
30KHz	40MHz	CP-QPSK	Outer_Full	37.80	39.68	Pass
30KHz	40MHz	CP-16QAM	Outer_Full	37.80	39.52	Pass
30KHz	40MHz	CP-64QAM	Outer_Full	37.88	39.76	Pass
30KHz	40MHz	CP-256QAM	Outer_Full	37.88	39.60	Pass
30KHz	45MHz	DFT-Pi2BPSK	Outer_Full	38.57	40.32	Pass
30KHz	45MHz	DFT-QPSK	Outer_Full	38.57	40.41	Pass
30KHz	45MHz	CP-QPSK	Outer_Full	42.44	44.19	Pass
30KHz	45MHz	CP-16QAM	Outer_Full	42.53	44.46	Pass
30KHz	45MHz	CP-64QAM	Outer_Full	42.44	44.10	Pass
30KHz	45MHz	CP-256QAM	Outer_Full	42.44	44.19	Pass
30KHz	50MHz	DFT-Pi2BPSK	Outer_Full	45.75	47.50	Pass
30KHz	50MHz	DFT-QPSK	Outer_Full	45.55	47.60	Pass
30KHz	50MHz	CP-QPSK	Outer_Full	47.55	49.40	Pass
30KHz	50MHz	CP-16QAM	Outer_Full	47.45	49.30	Pass
30KHz	50MHz	CP-64QAM	Outer_Full	47.45	49.50	Pass
30KHz	50MHz	CP-256QAM	Outer_Full	47.35	49.30	Pass
30KHz	60MHz	DFT-Pi2BPSK	Outer_Full	57.78	59.76	Pass
30KHz	60MHz	DFT-QPSK	Outer_Full	57.78	59.76	Pass
30KHz	60MHz	CP-QPSK	Outer_Full	57.78	59.76	Pass

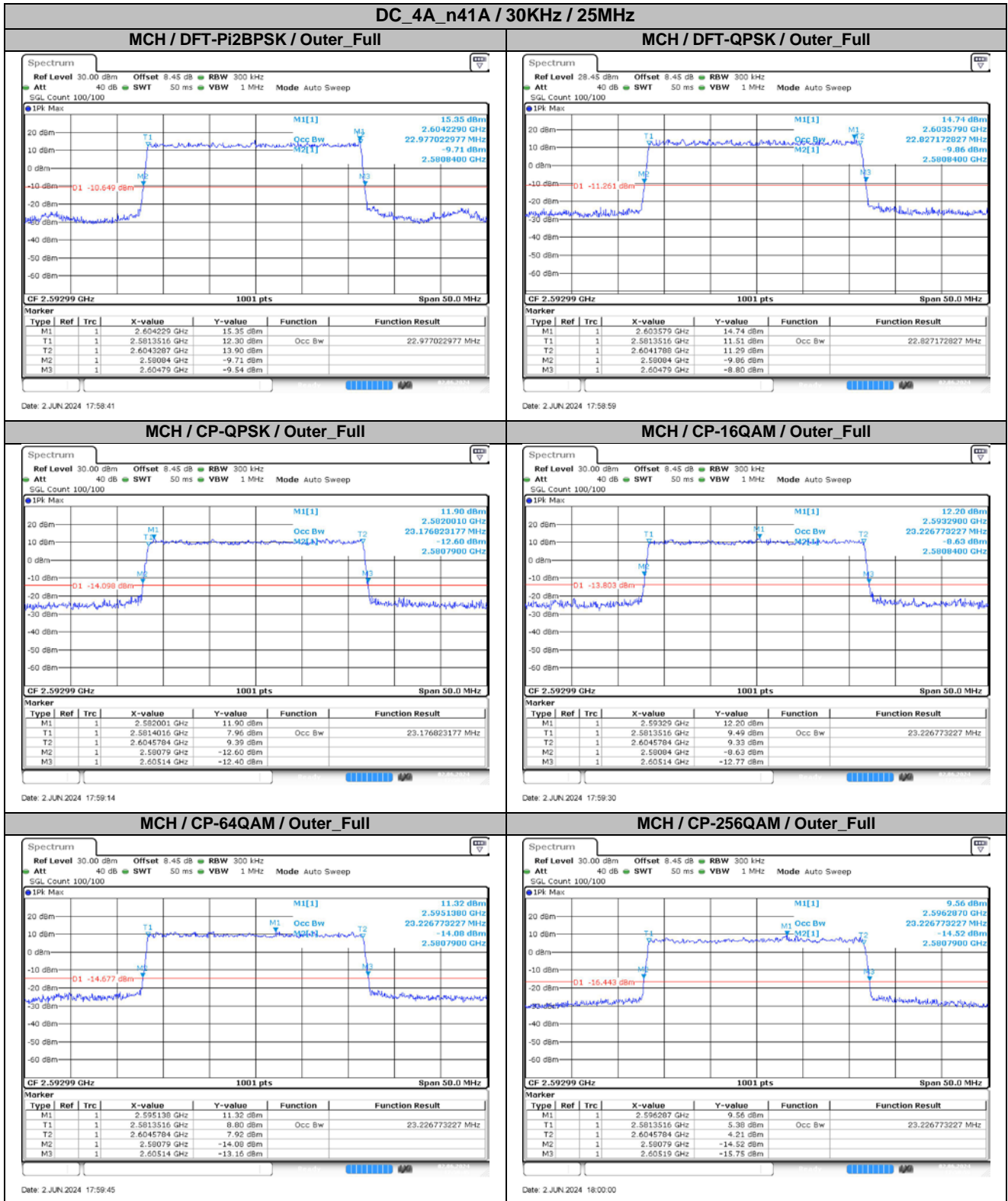
30KHz	60MHz	CP-16QAM	Outer_Full	57.78	59.52	Pass
30KHz	60MHz	CP-64QAM	Outer_Full	57.78	59.64	Pass
30KHz	60MHz	CP-256QAM	Outer_Full	57.78	59.52	Pass
30KHz	70MHz	DFT-Pi2BPSK	Outer_Full	64.20	66.08	Pass
30KHz	70MHz	DFT-QPSK	Outer_Full	64.20	66.08	Pass
30KHz	70MHz	CP-QPSK	Outer_Full	67.41	69.44	Pass
30KHz	70MHz	CP-16QAM	Outer_Full	67.41	69.30	Pass
30KHz	70MHz	CP-64QAM	Outer_Full	67.41	69.30	Pass
30KHz	70MHz	CP-256QAM	Outer_Full	67.41	69.30	Pass
30KHz	80MHz	DFT-Pi2BPSK	Outer_Full	77.20	80.00	Pass
30KHz	80MHz	DFT-QPSK	Outer_Full	77.04	80.00	Pass
30KHz	80MHz	CP-QPSK	Outer_Full	77.36	80.48	Pass
30KHz	80MHz	CP-16QAM	Outer_Full	77.36	80.48	Pass
30KHz	80MHz	CP-64QAM	Outer_Full	77.52	80.32	Pass
30KHz	80MHz	CP-256QAM	Outer_Full	77.52	80.48	Pass
30KHz	90MHz	DFT-Pi2BPSK	Outer_Full	86.67	89.82	Pass
30KHz	90MHz	DFT-QPSK	Outer_Full	86.67	90.00	Pass
30KHz	90MHz	CP-QPSK	Outer_Full	87.57	90.72	Pass
30KHz	90MHz	CP-16QAM	Outer_Full	87.57	90.36	Pass
30KHz	90MHz	CP-64QAM	Outer_Full	87.39	90.36	Pass
30KHz	90MHz	CP-256QAM	Outer_Full	87.39	90.54	Pass
30KHz	100MHz	DFT-Pi2BPSK	Outer_Full	96.50	99.40	Pass
30KHz	100MHz	DFT-QPSK	Outer_Full	96.30	99.40	Pass
30KHz	100MHz	CP-QPSK	Outer_Full	97.50	100.60	Pass
30KHz	100MHz	CP-16QAM	Outer_Full	97.30	100.60	Pass
30KHz	100MHz	CP-64QAM	Outer_Full	97.50	100.80	Pass
30KHz	100MHz	CP-256QAM	Outer_Full	97.50	100.60	Pass

4.2. Test Plots

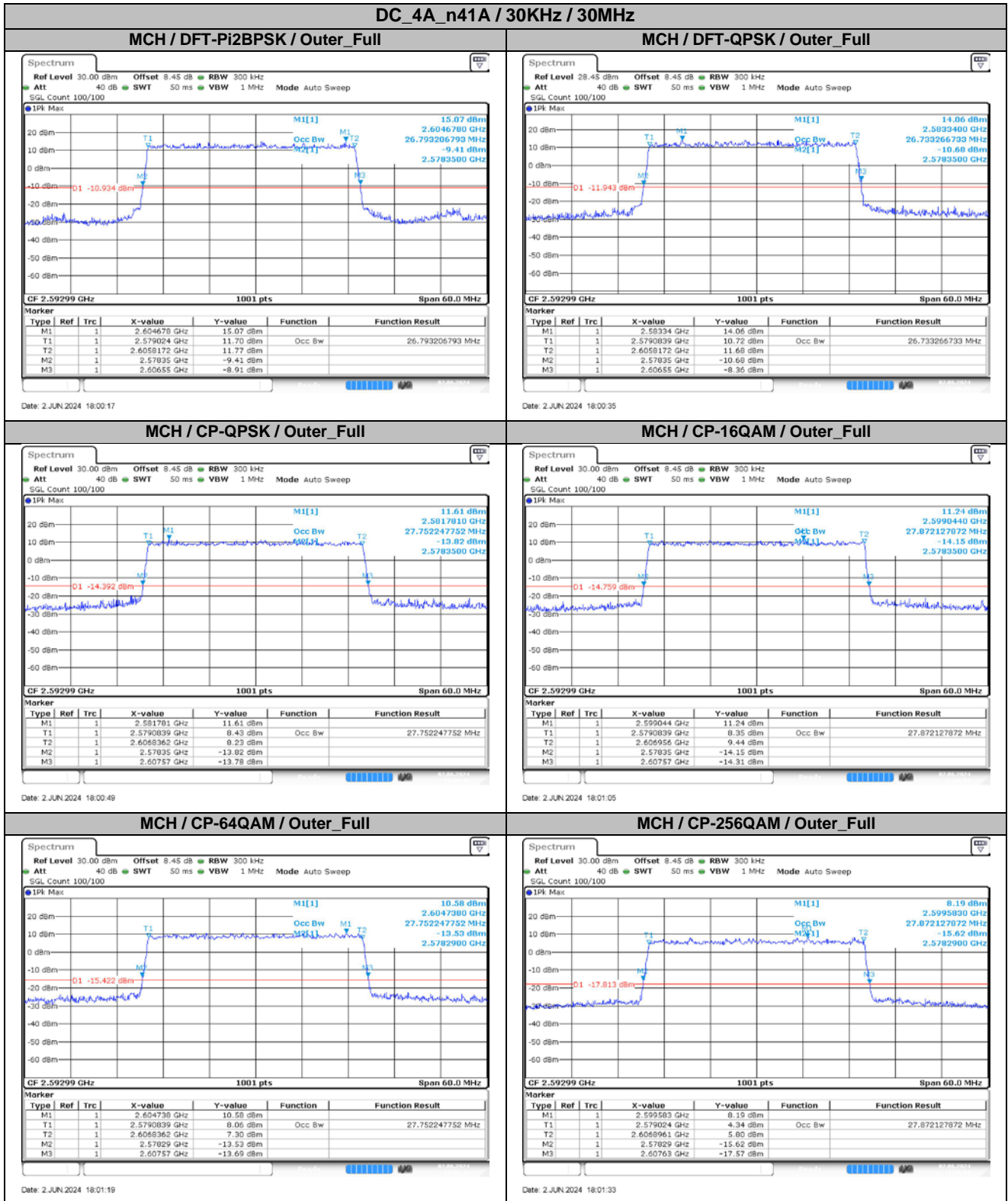




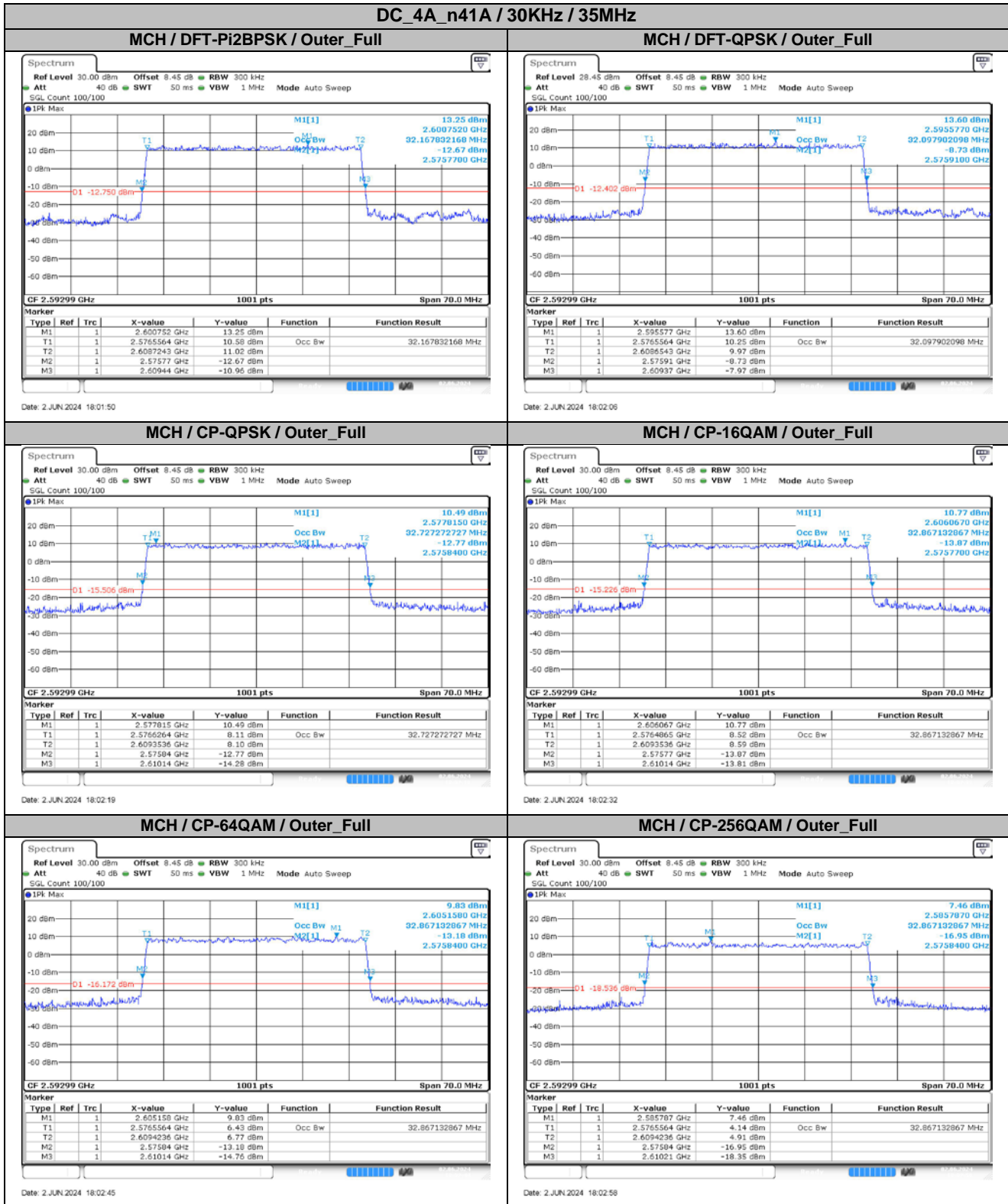


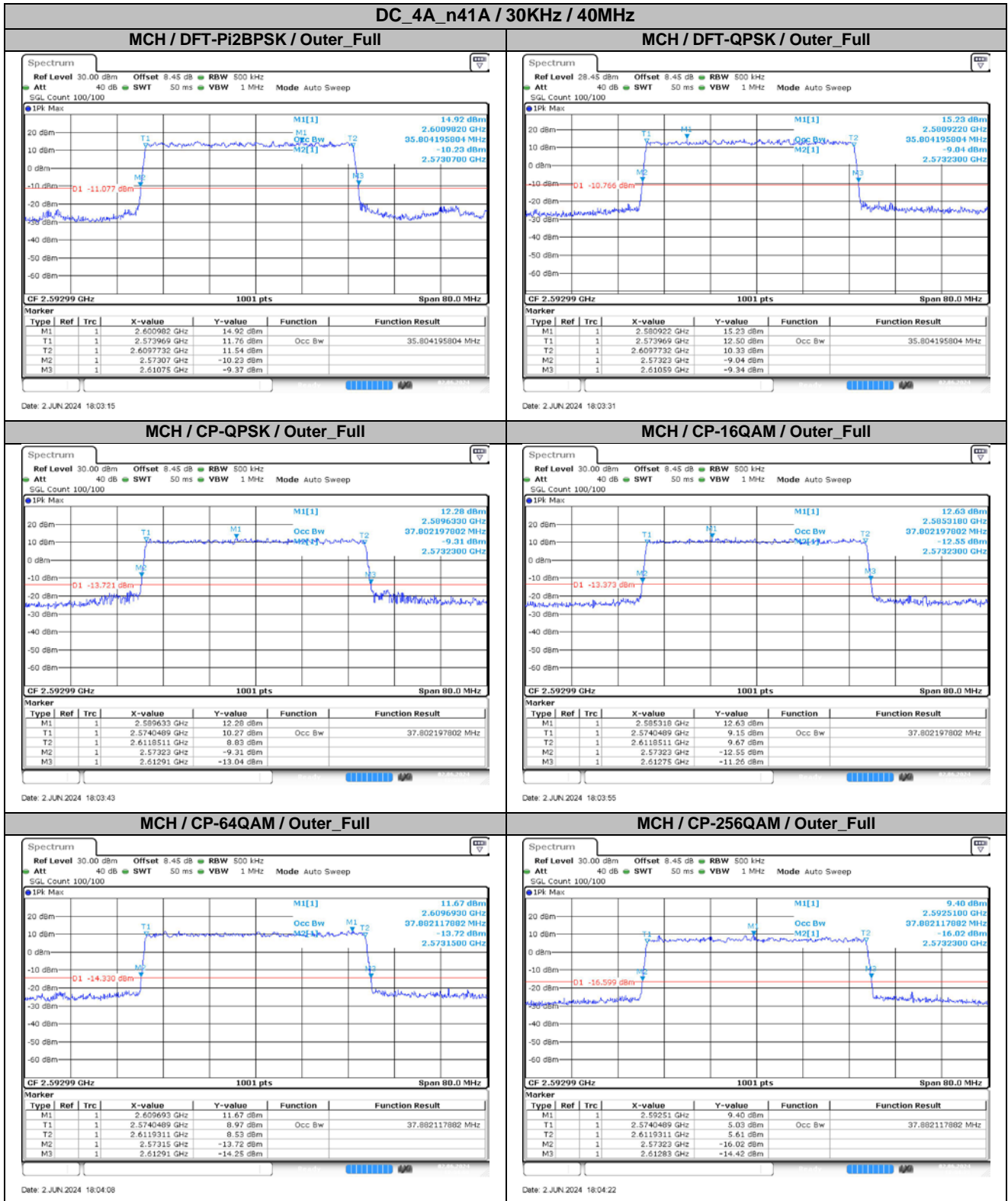






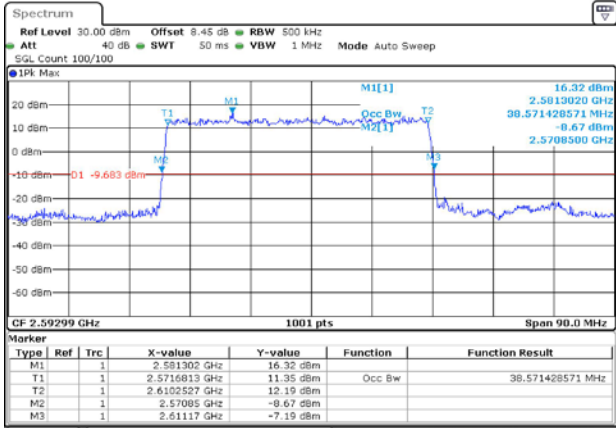






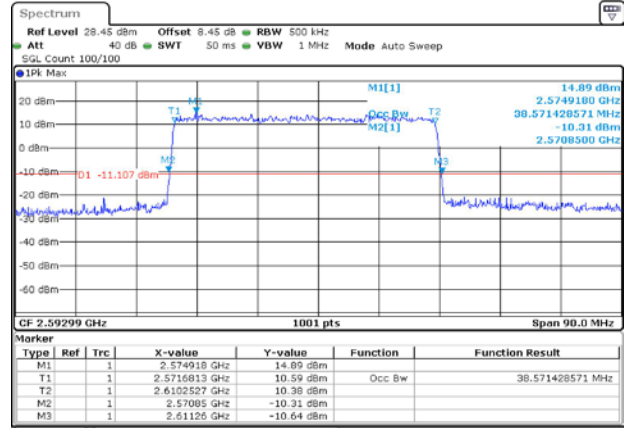
DC\_4A\_n41A / 30KHz / 45MHz

MCH / DFT-Pi2BPSK / Outer\_Full



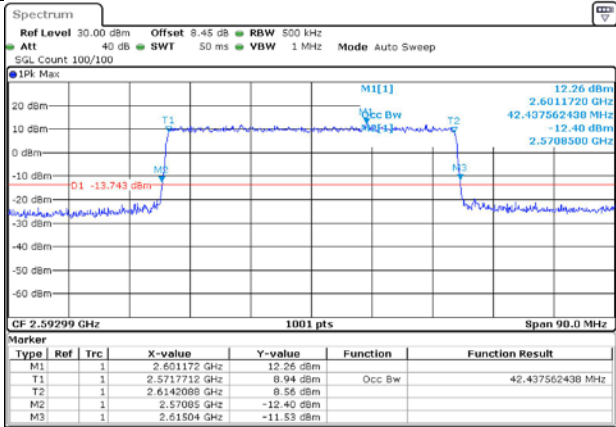
Date: 2 JUN 2024 18:04:38

MCH / DFT-QPSK / Outer\_Full



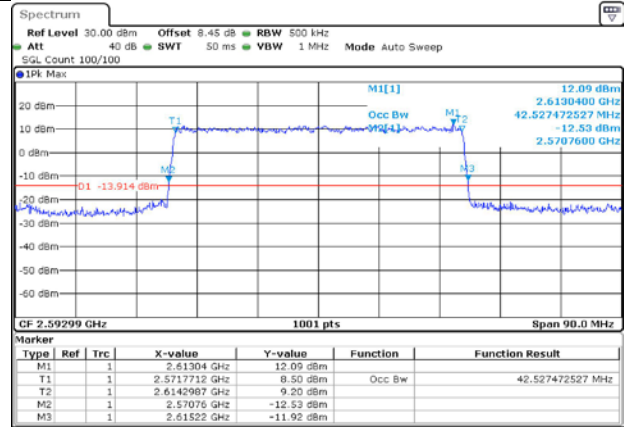
Date: 2 JUN 2024 18:04:54

MCH / CP-QPSK / Outer\_Full



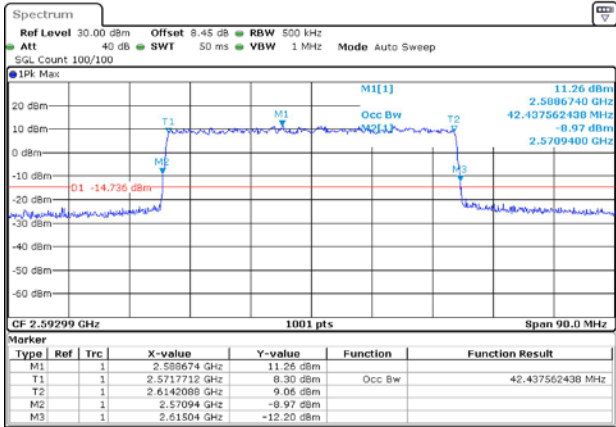
Date: 2 JUN 2024 18:05:05

MCH / CP-16QAM / Outer\_Full



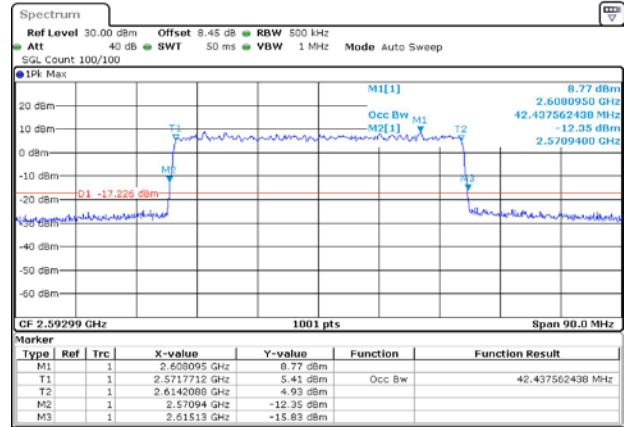
Date: 2 JUN 2024 18:05:19

MCH / CP-64QAM / Outer\_Full



Date: 2 JUN 2024 18:05:32

MCH / CP-256QAM / Outer\_Full



Date: 2 JUN 2024 18:05:45

