

**Appendix
for
DC_5A_n66A
(1710-1780)**

Catalogue

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1. Effective Isotropic Radiated Power

1.1. Test Results @ Ant1 (Antenna Gain=-1.21dBi)

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	23.75	23.76	23.72	22.55	30.00	Pass
15KHz	5MHz	LCH	DFT-QPSK	23.69	23.69	23.77	22.56	30.00	Pass
15KHz	5MHz	LCH	DFT-16QAM	23.33	23.34	23.83	22.62	30.00	Pass
15KHz	5MHz	LCH	DFT-64QAM	22.33	22.34	22.50	21.29	30.00	Pass
15KHz	5MHz	LCH	DFT-256QAM	19.99	20.00	20.32	19.11	30.00	Pass
15KHz	5MHz	LCH	CP-QPSK	23.30	23.37	23.38	22.17	30.00	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	23.45	23.44	23.45	22.24	30.00	Pass
15KHz	5MHz	MCH	DFT-QPSK	23.39	23.38	23.48	22.27	30.00	Pass
15KHz	5MHz	MCH	DFT-16QAM	23.40	23.01	23.53	22.32	30.00	Pass
15KHz	5MHz	MCH	DFT-64QAM	22.15	22.18	22.12	20.97	30.00	Pass
15KHz	5MHz	MCH	DFT-256QAM	19.70	19.65	19.96	18.75	30.00	Pass
15KHz	5MHz	MCH	CP-QPSK	23.01	23.04	23.00	21.83	30.00	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	23.45	23.55	23.52	22.34	30.00	Pass
15KHz	5MHz	HCH	DFT-QPSK	23.42	23.46	23.54	22.33	30.00	Pass
15KHz	5MHz	HCH	DFT-16QAM	23.53	23.53	23.65	22.44	30.00	Pass
15KHz	5MHz	HCH	DFT-64QAM	22.26	22.22	22.24	21.05	30.00	Pass
15KHz	5MHz	HCH	DFT-256QAM	19.74	19.79	20.05	18.84	30.00	Pass
15KHz	5MHz	HCH	CP-QPSK	23.10	23.15	23.09	21.94	30.00	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	23.74	23.75	23.79	22.58	30.00	Pass
15KHz	10MHz	LCH	DFT-QPSK	23.65	23.65	23.82	22.61	30.00	Pass
15KHz	10MHz	LCH	DFT-16QAM	23.36	23.31	23.93	22.72	30.00	Pass
15KHz	10MHz	LCH	DFT-64QAM	22.48	22.44	22.42	21.27	30.00	Pass
15KHz	10MHz	LCH	DFT-256QAM	20.00	19.92	20.32	19.11	30.00	Pass
15KHz	10MHz	LCH	CP-QPSK	23.29	23.25	23.35	22.14	30.00	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	23.41	23.42	23.47	22.26	30.00	Pass
15KHz	10MHz	MCH	DFT-QPSK	23.35	23.33	23.47	22.26	30.00	Pass
15KHz	10MHz	MCH	DFT-16QAM	23.40	23.37	23.49	22.28	30.00	Pass
15KHz	10MHz	MCH	DFT-64QAM	21.78	21.96	22.10	20.89	30.00	Pass
15KHz	10MHz	MCH	DFT-256QAM	19.77	19.71	19.99	18.78	30.00	Pass
15KHz	10MHz	MCH	CP-QPSK	22.93	22.91	23.07	21.86	30.00	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	23.37	23.50	23.59	22.38	30.00	Pass
15KHz	10MHz	HCH	DFT-QPSK	23.30	23.37	23.60	22.39	30.00	Pass
15KHz	10MHz	HCH	DFT-16QAM	23.23	23.35	23.61	22.40	30.00	Pass
15KHz	10MHz	HCH	DFT-64QAM	22.14	22.26	22.19	21.05	30.00	Pass
15KHz	10MHz	HCH	DFT-256QAM	19.70	19.82	20.10	18.89	30.00	Pass
15KHz	10MHz	HCH	CP-QPSK	22.94	23.05	23.15	21.94	30.00	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	23.85	23.76	23.90	22.69	30.00	Pass
15KHz	15MHz	LCH	DFT-QPSK	23.78	23.66	23.93	22.72	30.00	Pass
15KHz	15MHz	LCH	DFT-16QAM	23.79	23.62	23.87	22.66	30.00	Pass
15KHz	15MHz	LCH	DFT-64QAM	22.65	22.48	22.55	21.44	30.00	Pass
15KHz	15MHz	LCH	DFT-256QAM	20.26	20.09	20.40	19.19	30.00	Pass
15KHz	15MHz	LCH	CP-QPSK	23.44	23.40	23.49	22.28	30.00	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	23.62	23.65	23.75	22.54	30.00	Pass
15KHz	15MHz	MCH	DFT-QPSK	23.56	23.57	23.73	22.52	30.00	Pass
15KHz	15MHz	MCH	DFT-16QAM	23.52	23.51	23.77	22.56	30.00	Pass
15KHz	15MHz	MCH	DFT-64QAM	22.42	22.40	22.30	21.21	30.00	Pass
15KHz	15MHz	MCH	DFT-256QAM	19.97	19.97	20.22	19.01	30.00	Pass
15KHz	15MHz	MCH	CP-QPSK	23.21	23.29	23.33	22.12	30.00	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	23.61	23.70	23.74	22.53	30.00	Pass
15KHz	15MHz	HCH	DFT-QPSK	23.53	23.58	23.76	22.55	30.00	Pass
15KHz	15MHz	HCH	DFT-16QAM	23.53	23.56	23.78	22.57	30.00	Pass
15KHz	15MHz	HCH	DFT-64QAM	22.36	22.45	22.35	21.24	30.00	Pass
15KHz	15MHz	HCH	DFT-256QAM	19.99	20.06	20.24	19.03	30.00	Pass
15KHz	15MHz	HCH	CP-QPSK	23.21	23.30	23.34	22.13	30.00	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	23.92	23.71	23.79	22.71	30.00	Pass
15KHz	20MHz	LCH	DFT-QPSK	23.81	23.59	23.84	22.63	30.00	Pass
15KHz	20MHz	LCH	DFT-16QAM	23.84	23.61	23.83	22.63	30.00	Pass
15KHz	20MHz	LCH	DFT-64QAM	22.66	22.43	22.44	21.45	30.00	Pass

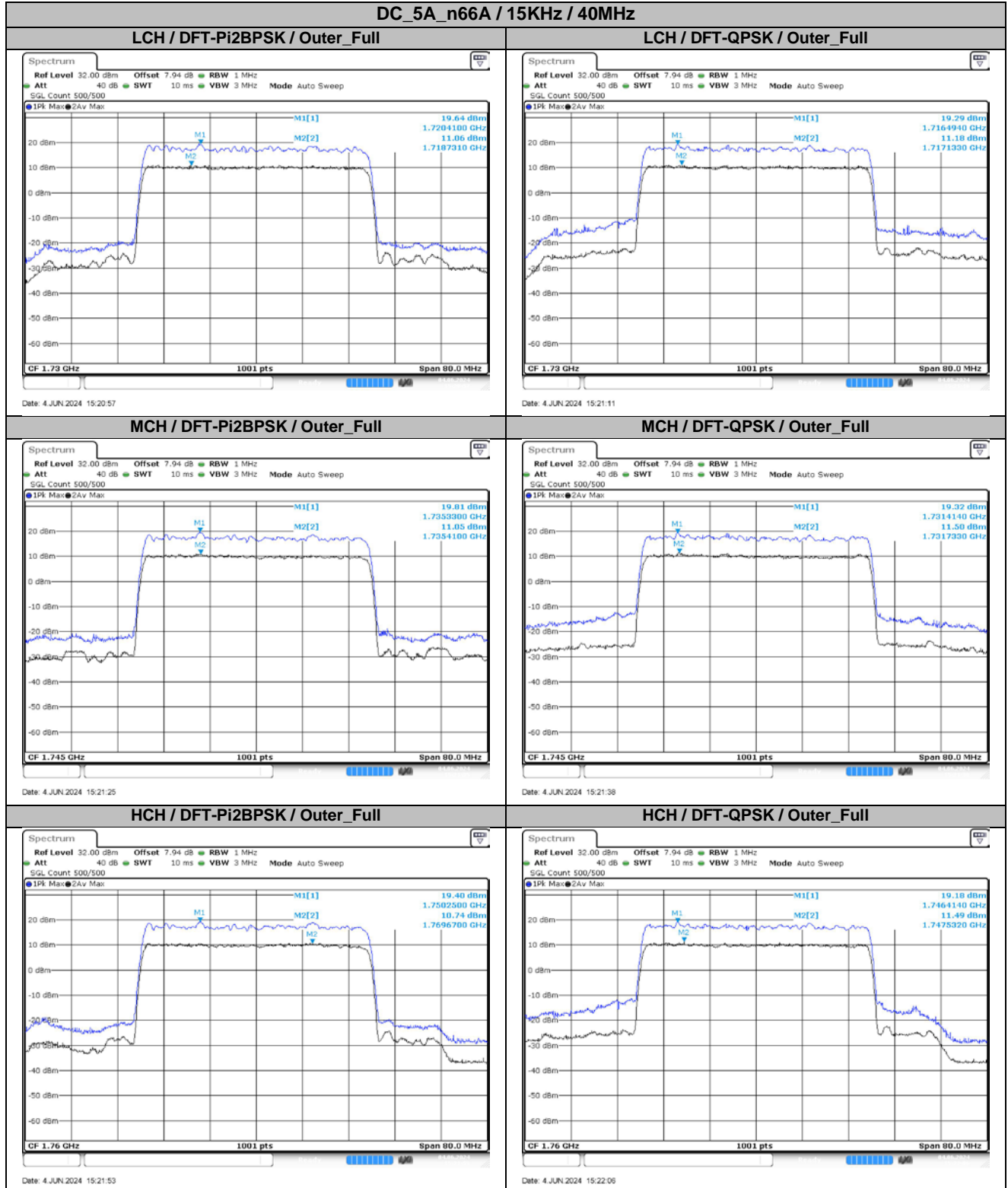
15KHz	20MHz	LCH	DFT-256QAM	20.24	19.98	20.36	19.15	30.00	Pass
15KHz	20MHz	LCH	CP-QPSK	23.48	23.22	23.44	22.27	30.00	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	23.61	23.67	23.78	22.57	30.00	Pass
15KHz	20MHz	MCH	DFT-QPSK	23.55	23.53	23.71	22.50	30.00	Pass
15KHz	20MHz	MCH	DFT-16QAM	23.47	23.48	23.72	22.51	30.00	Pass
15KHz	20MHz	MCH	DFT-64QAM	22.40	22.41	22.40	21.20	30.00	Pass
15KHz	20MHz	MCH	DFT-256QAM	19.96	19.96	20.30	19.09	30.00	Pass
15KHz	20MHz	MCH	CP-QPSK	23.20	23.22	23.32	22.11	30.00	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	23.63	23.66	23.77	22.56	30.00	Pass
15KHz	20MHz	HCH	DFT-QPSK	23.51	23.59	23.74	22.53	30.00	Pass
15KHz	20MHz	HCH	DFT-16QAM	23.57	23.63	23.80	22.59	30.00	Pass
15KHz	20MHz	HCH	DFT-64QAM	22.01	21.98	22.36	21.15	30.00	Pass
15KHz	20MHz	HCH	DFT-256QAM	19.97	19.99	20.28	19.07	30.00	Pass
15KHz	20MHz	HCH	CP-QPSK	23.17	23.17	23.35	22.14	30.00	Pass
15KHz	30MHz	LCH	DFT-Pi2BPSK	23.93	23.75	23.82	22.72	30.00	Pass
15KHz	30MHz	LCH	DFT-QPSK	23.82	23.58	23.86	22.65	30.00	Pass
15KHz	30MHz	LCH	DFT-16QAM	23.58	23.38	23.89	22.68	30.00	Pass
15KHz	30MHz	LCH	DFT-64QAM	22.70	22.46	22.51	21.49	30.00	Pass
15KHz	30MHz	LCH	DFT-256QAM	20.42	20.11	20.42	19.21	30.00	Pass
15KHz	30MHz	LCH	CP-QPSK	23.46	23.28	23.45	22.25	30.00	Pass
15KHz	30MHz	MCH	DFT-Pi2BPSK	23.59	23.56	23.71	22.50	30.00	Pass
15KHz	30MHz	MCH	DFT-QPSK	23.53	23.52	23.72	22.51	30.00	Pass
15KHz	30MHz	MCH	DFT-16QAM	23.26	23.19	23.69	22.48	30.00	Pass
15KHz	30MHz	MCH	DFT-64QAM	22.11	22.14	22.33	21.12	30.00	Pass
15KHz	30MHz	MCH	DFT-256QAM	19.97	19.93	20.26	19.05	30.00	Pass
15KHz	30MHz	MCH	CP-QPSK	23.17	23.19	23.30	22.09	30.00	Pass
15KHz	30MHz	HCH	DFT-Pi2BPSK	23.57	23.62	23.68	22.47	30.00	Pass
15KHz	30MHz	HCH	DFT-QPSK	23.49	23.50	23.68	22.47	30.00	Pass
15KHz	30MHz	HCH	DFT-16QAM	23.17	23.20	23.67	22.46	30.00	Pass
15KHz	30MHz	HCH	DFT-64QAM	22.28	22.29	22.31	21.10	30.00	Pass
15KHz	30MHz	HCH	DFT-256QAM	20.07	20.04	20.23	19.02	30.00	Pass
15KHz	30MHz	HCH	CP-QPSK	23.15	23.19	23.27	22.06	30.00	Pass
15KHz	40MHz	LCH	DFT-Pi2BPSK	23.89	23.75	23.82	22.68	30.00	Pass
15KHz	40MHz	LCH	DFT-QPSK	23.84	23.62	23.88	22.67	30.00	Pass
15KHz	40MHz	LCH	DFT-16QAM	23.86	23.56	23.87	22.66	30.00	Pass
15KHz	40MHz	LCH	DFT-64QAM	22.28	22.05	22.42	21.21	30.00	Pass
15KHz	40MHz	LCH	DFT-256QAM	20.41	20.11	20.43	19.22	30.00	Pass
15KHz	40MHz	LCH	CP-QPSK	23.48	23.30	23.47	22.27	30.00	Pass
15KHz	40MHz	MCH	DFT-Pi2BPSK	23.60	23.54	23.74	22.53	30.00	Pass
15KHz	40MHz	MCH	DFT-QPSK	23.55	23.51	23.76	22.55	30.00	Pass
15KHz	40MHz	MCH	DFT-16QAM	23.47	23.44	23.78	22.57	30.00	Pass
15KHz	40MHz	MCH	DFT-64QAM	22.00	21.92	22.32	21.11	30.00	Pass
15KHz	40MHz	MCH	DFT-256QAM	20.21	20.11	20.27	19.06	30.00	Pass
15KHz	40MHz	MCH	CP-QPSK	23.18	23.19	23.33	22.12	30.00	Pass
15KHz	40MHz	HCH	DFT-Pi2BPSK	23.50	23.59	23.69	22.48	30.00	Pass
15KHz	40MHz	HCH	DFT-QPSK	23.48	23.49	23.71	22.50	30.00	Pass
15KHz	40MHz	HCH	DFT-16QAM	23.35	23.48	23.69	22.48	30.00	Pass
15KHz	40MHz	HCH	DFT-64QAM	21.92	21.95	22.31	21.10	30.00	Pass
15KHz	40MHz	HCH	DFT-256QAM	20.13	20.08	20.26	19.05	30.00	Pass
15KHz	40MHz	HCH	CP-QPSK	23.13	23.20	23.28	22.07	30.00	Pass

2. Peak-to-Average Ratio

2.1. Test Results

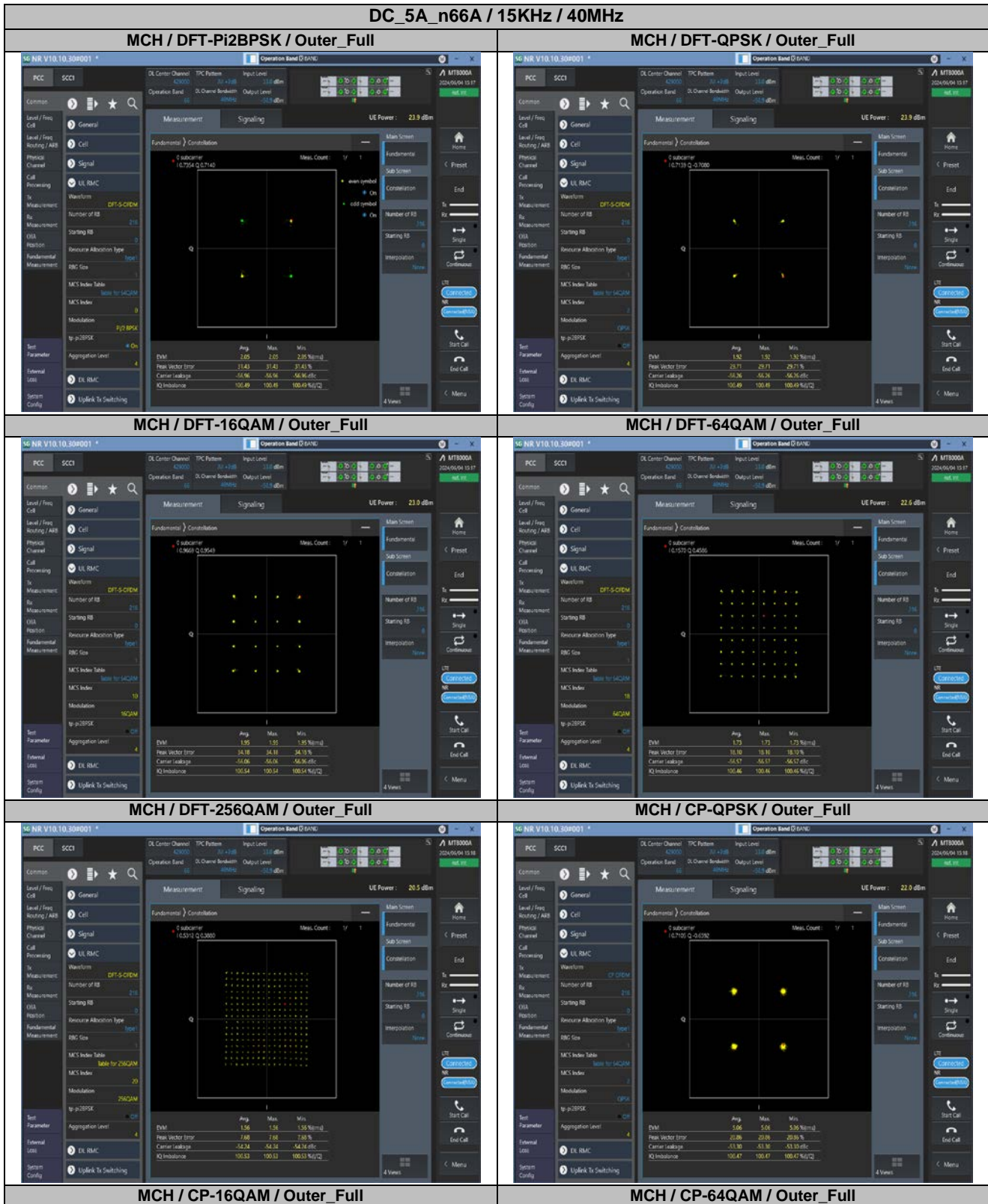
SCS	Bandwidth	Channel	RB	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	40MHz	LCH	Outer_Full	8.59	8.11	13.00	Pass
15KHz	40MHz	MCH	Outer_Full	8.75	7.82	13.00	Pass
15KHz	40MHz	HCH	Outer_Full	8.66	7.69	13.00	Pass

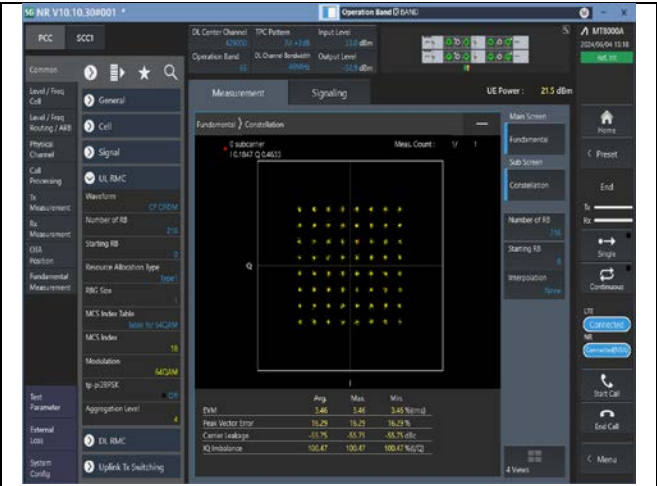
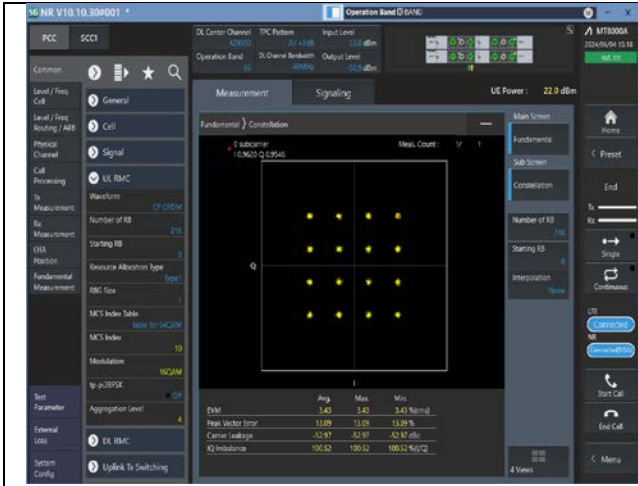
2.2. Test Plots



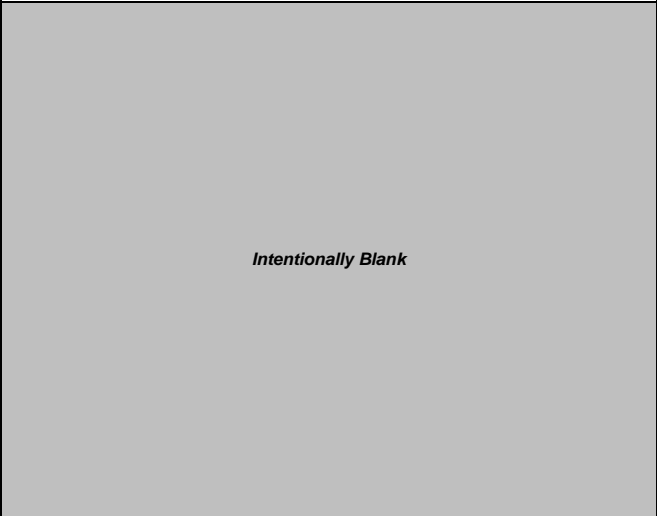
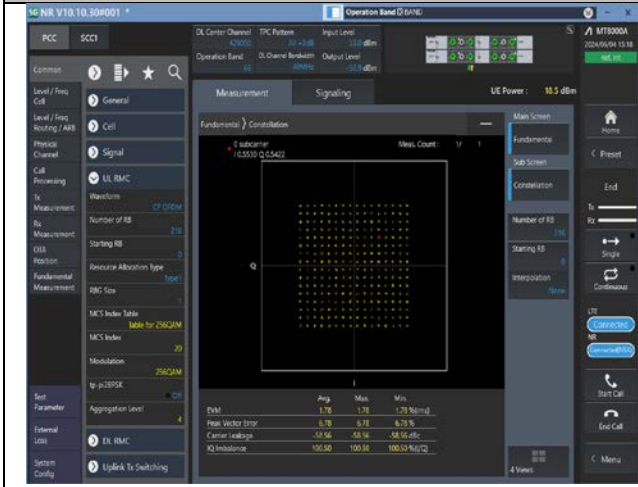
3. Modulation Characteristics

3.1. Test Plots





MCH / CP-256QAM / Outer_Full

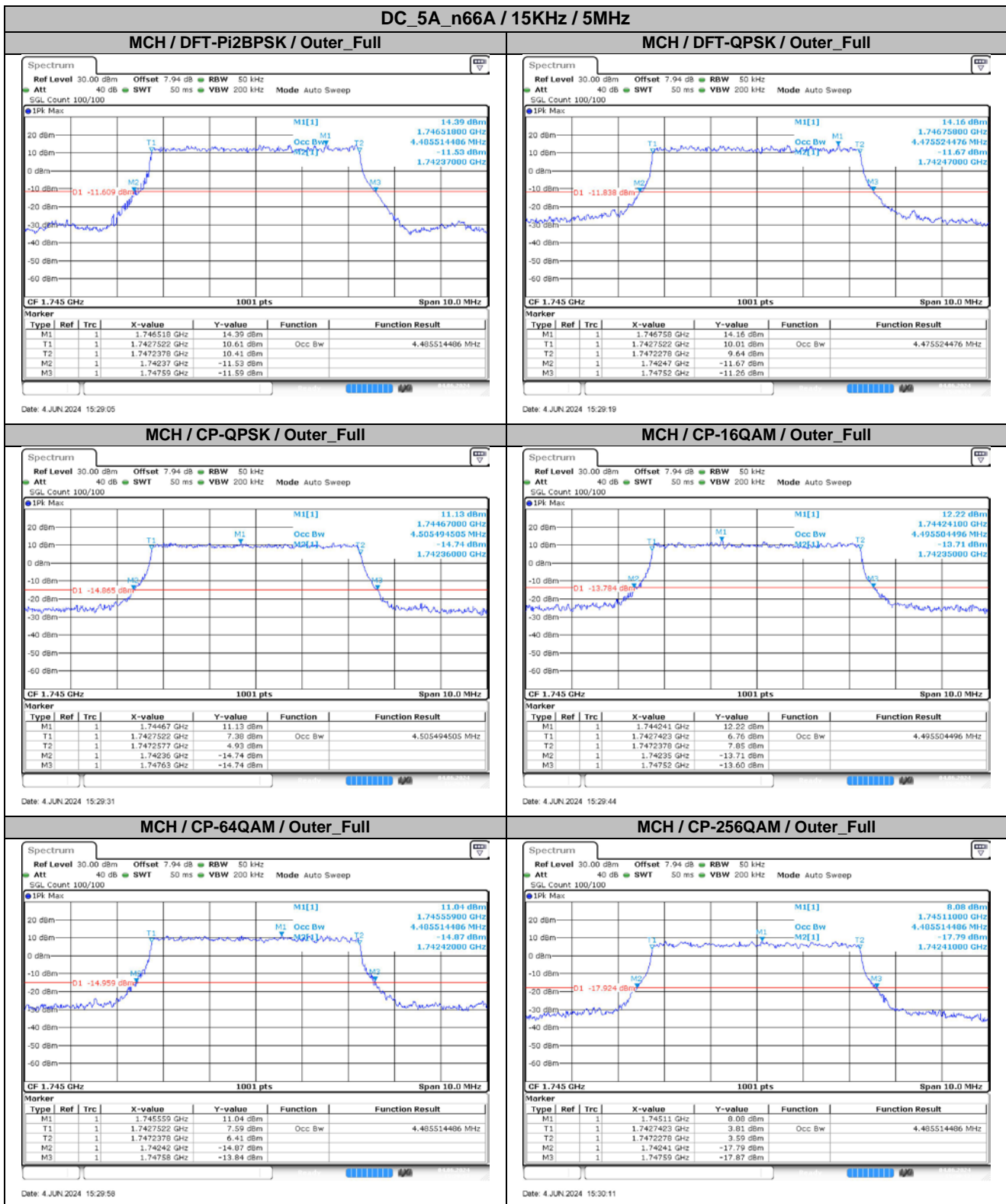


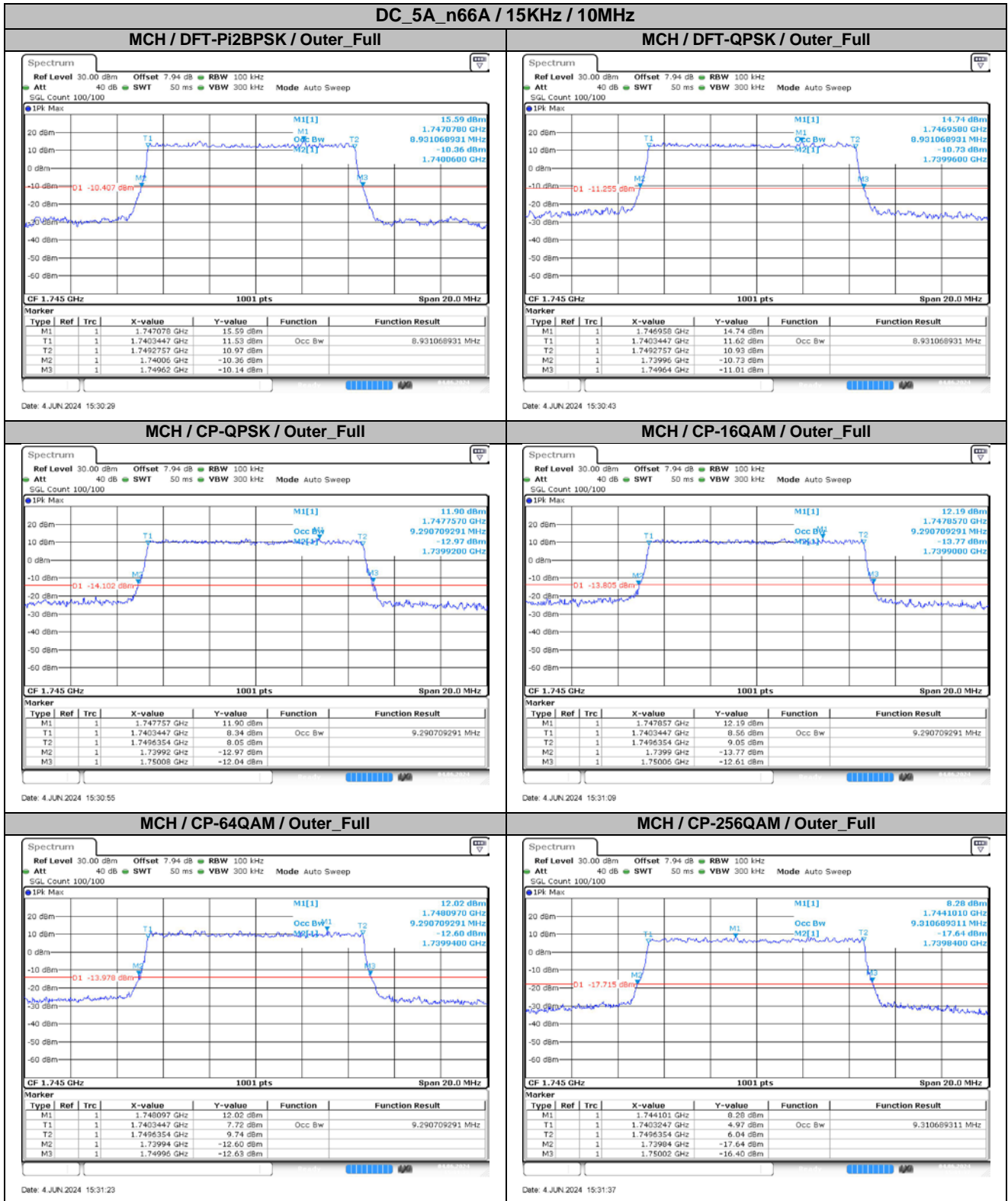
4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

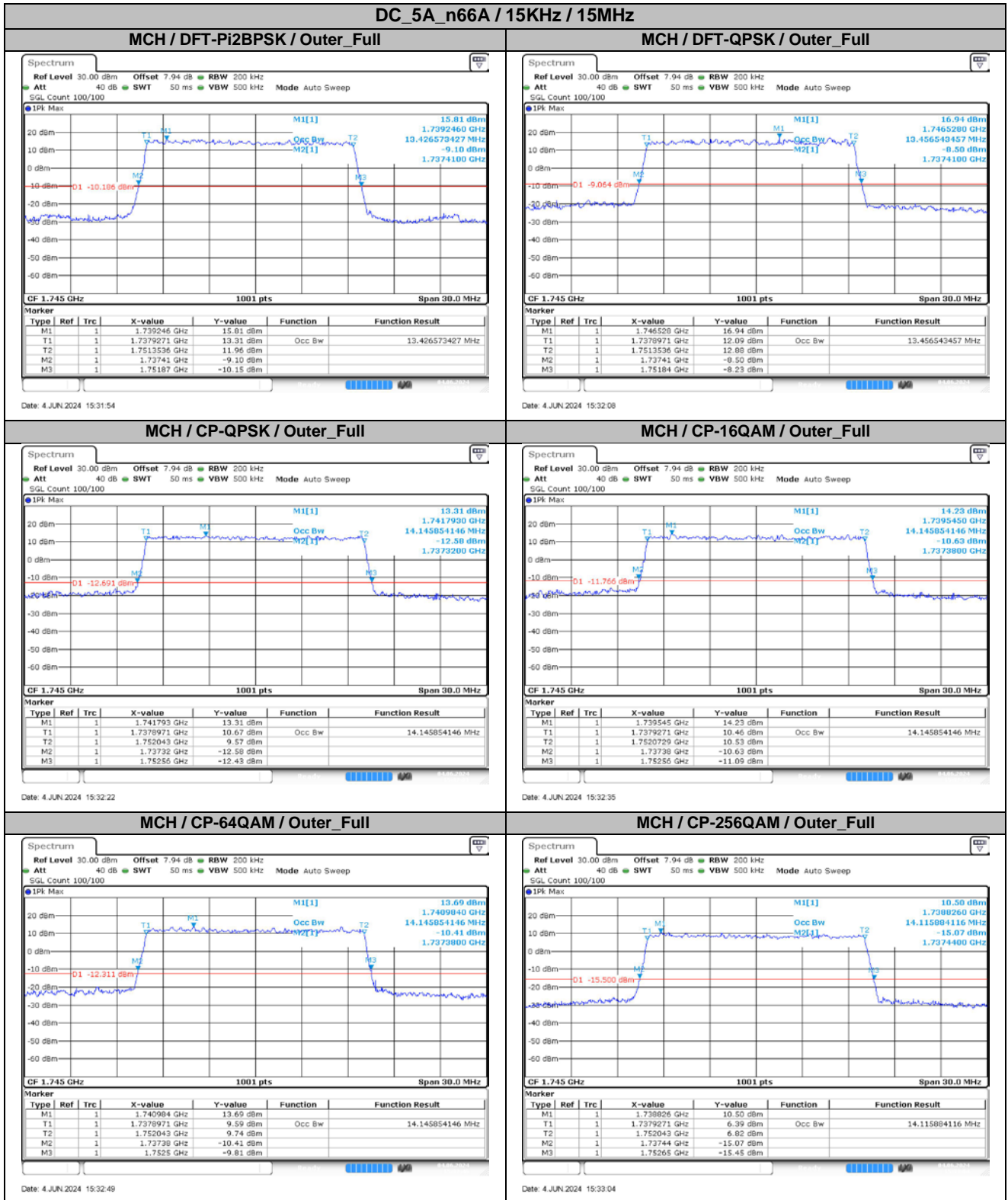
4.1. Test Results

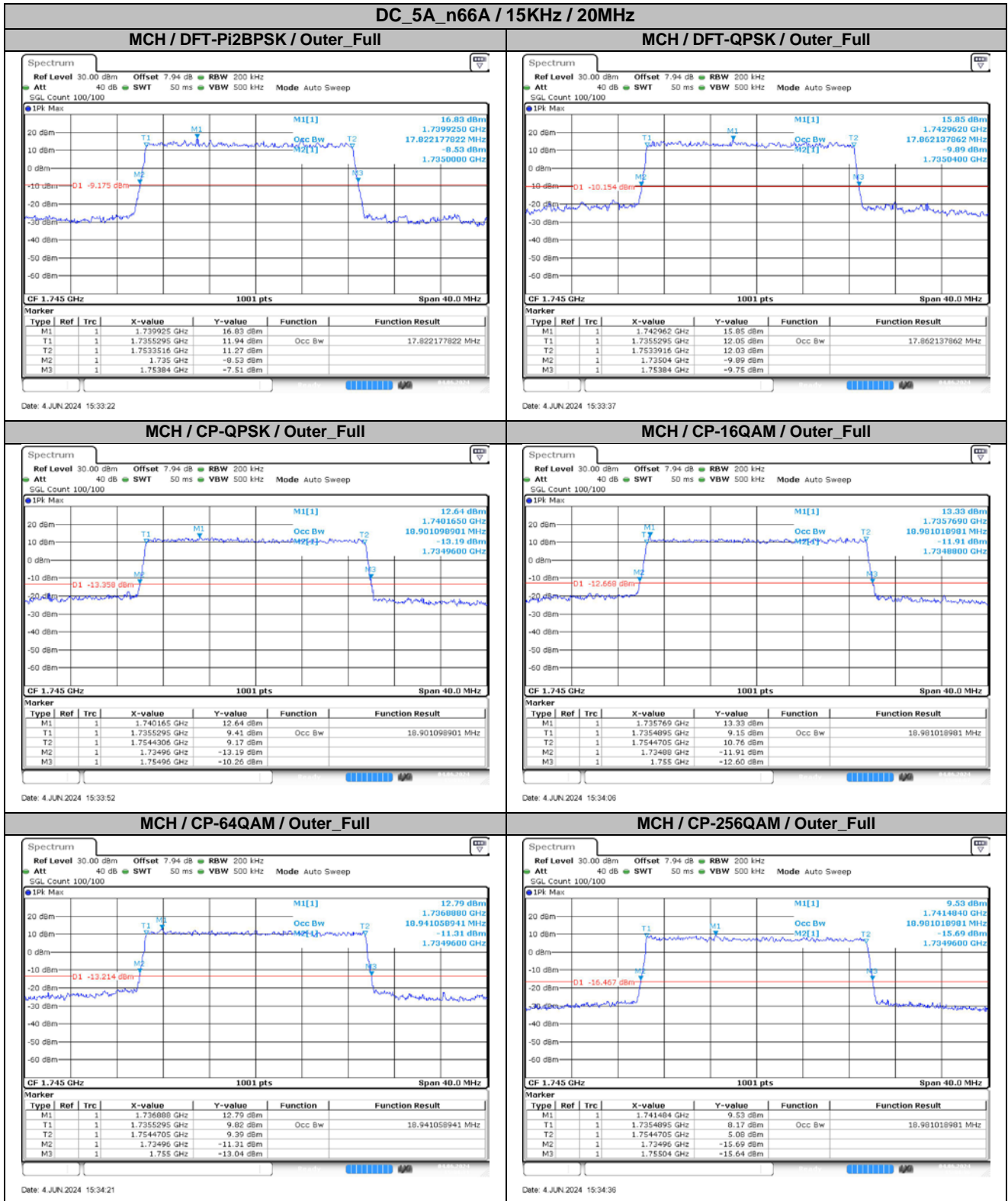
SCS	Bandwidth	Modulation	RB	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.49	5.22	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.48	5.05	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.51	5.27	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.50	5.17	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.49	5.16	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.49	5.18	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.93	9.56	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.93	9.68	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.29	10.16	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.29	10.16	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.29	10.02	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.31	10.18	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.43	14.46	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.46	14.43	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.15	15.24	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.15	15.18	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.15	15.12	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.12	15.21	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.82	18.84	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.86	18.80	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.90	20.00	Pass
15KHz	20MHz	CP-16QAM	Outer_Full	18.98	20.12	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	18.94	20.04	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	18.98	20.08	Pass
15KHz	30MHz	DFT-Pi2BPSK	Outer_Full	28.59	29.76	Pass
15KHz	30MHz	DFT-QPSK	Outer_Full	28.59	29.76	Pass
15KHz	30MHz	CP-QPSK	Outer_Full	28.59	29.88	Pass
15KHz	30MHz	CP-16QAM	Outer_Full	28.53	29.76	Pass
15KHz	30MHz	CP-64QAM	Outer_Full	28.53	31.44	Pass
15KHz	30MHz	CP-256QAM	Outer_Full	28.59	29.88	Pass
15KHz	40MHz	DFT-Pi2BPSK	Outer_Full	38.52	40.24	Pass
15KHz	40MHz	DFT-QPSK	Outer_Full	38.68	40.16	Pass
15KHz	40MHz	CP-QPSK	Outer_Full	38.60	40.24	Pass
15KHz	40MHz	CP-16QAM	Outer_Full	38.52	40.16	Pass
15KHz	40MHz	CP-64QAM	Outer_Full	38.60	40.32	Pass
15KHz	40MHz	CP-256QAM	Outer_Full	38.52	40.16	Pass

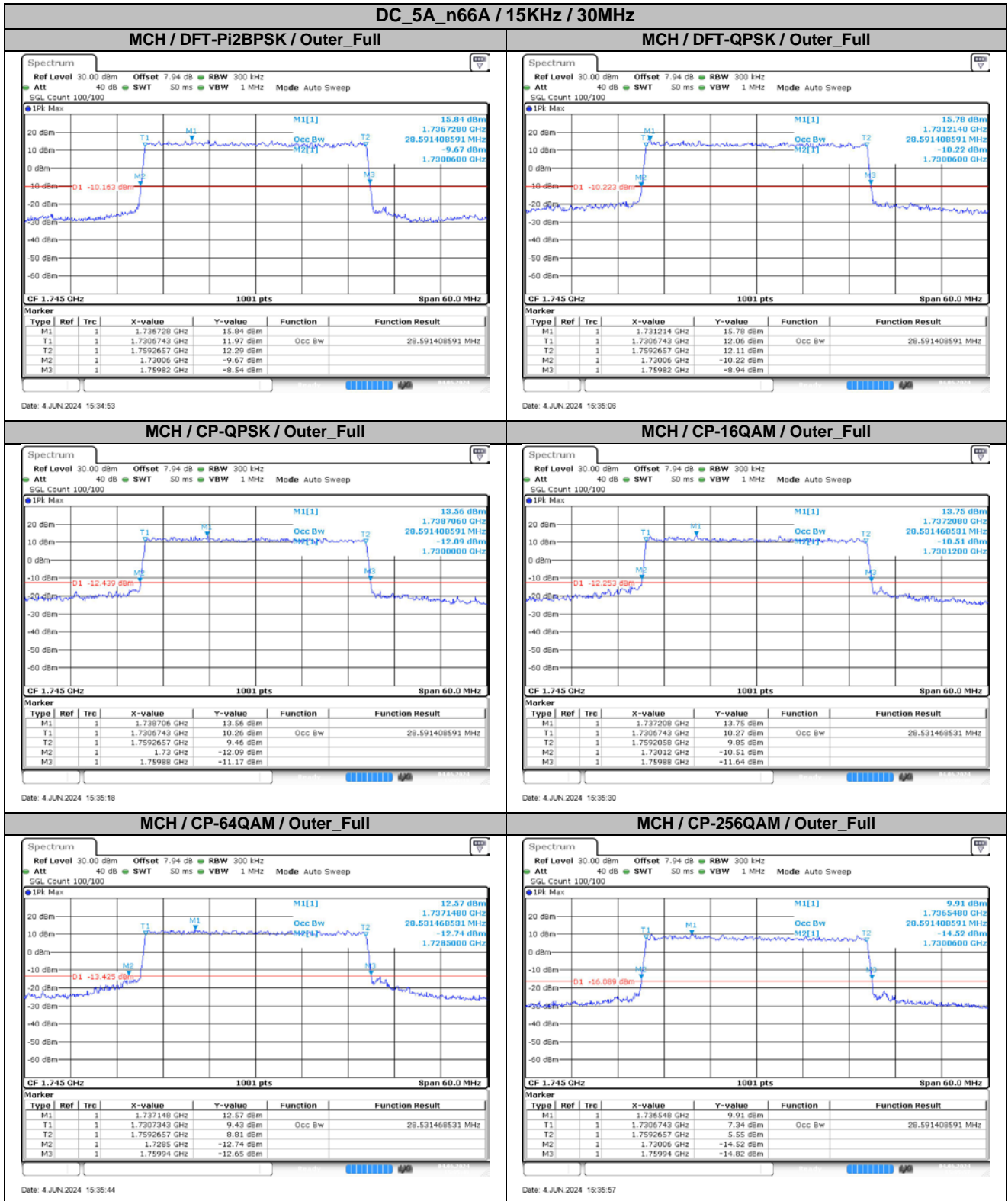
4.2. Test Plots

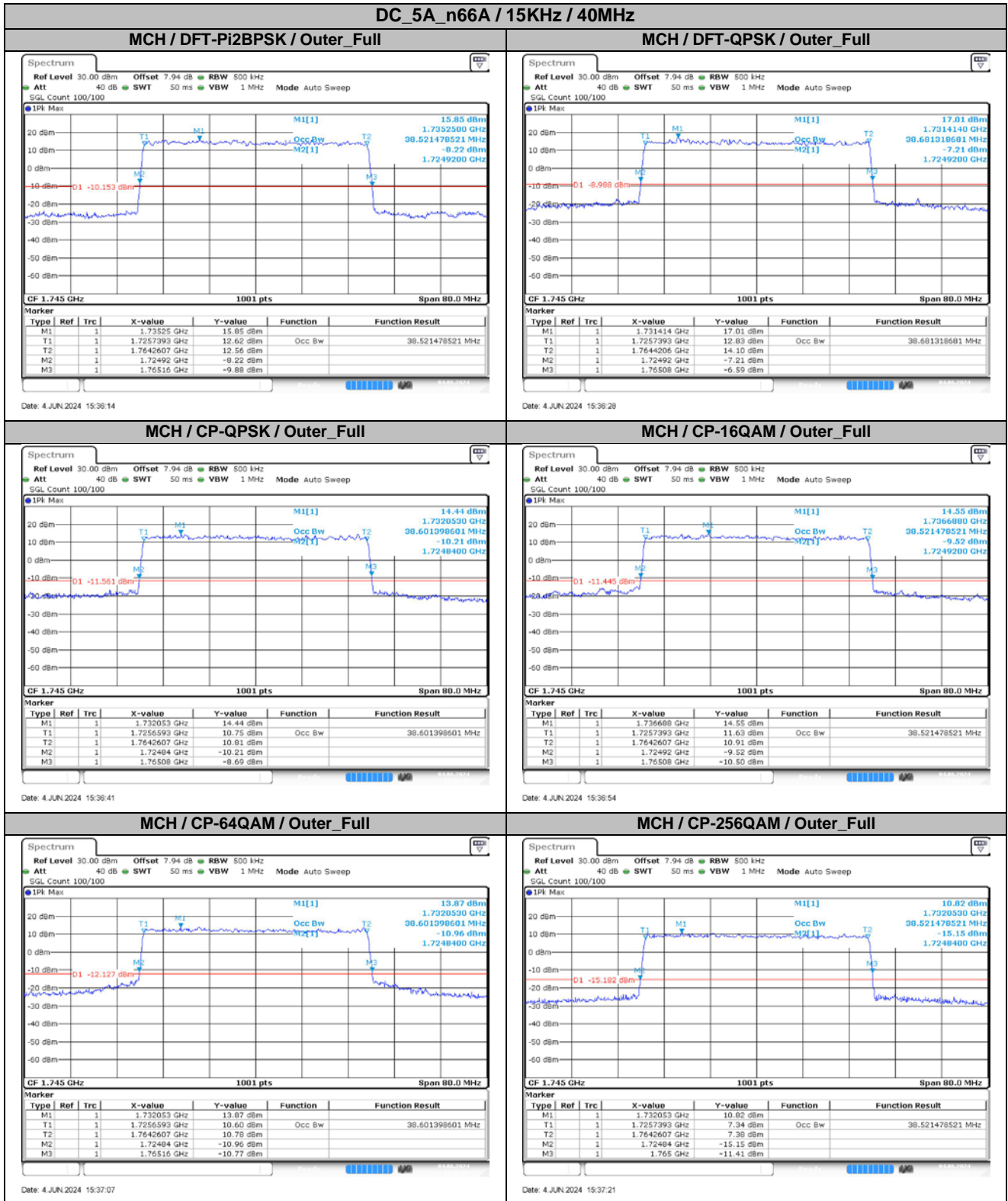












5. Conducted Band Edges

5.1. Test Plots

