

**Appendix
for
DC_2A_n66A
(1710-1780)**

Catalogue

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1. Effective Isotropic Radiated Power

1.1. Test Results @ Ant4 (Antenna Gain=-2.00dBi)

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	23.62	23.53	23.53	21.62	30.00	Pass
15KHz	5MHz	LCH	DFT-QPSK	23.50	23.40	23.55	21.55	30.00	Pass
15KHz	5MHz	LCH	DFT-16QAM	22.13	22.21	22.55	20.55	30.00	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.97	21.12	21.22	19.22	30.00	Pass
15KHz	5MHz	LCH	DFT-256QAM	18.86	18.79	19.08	17.08	30.00	Pass
15KHz	5MHz	LCH	CP-QPSK	22.16	22.09	21.82	20.16	30.00	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	23.28	23.30	23.30	21.30	30.00	Pass
15KHz	5MHz	MCH	DFT-QPSK	23.24	23.21	23.22	21.24	30.00	Pass
15KHz	5MHz	MCH	DFT-16QAM	22.16	22.18	22.35	20.35	30.00	Pass
15KHz	5MHz	MCH	DFT-64QAM	21.02	21.09	20.89	19.09	30.00	Pass
15KHz	5MHz	MCH	DFT-256QAM	18.63	18.64	18.68	16.68	30.00	Pass
15KHz	5MHz	MCH	CP-QPSK	21.84	21.90	21.82	19.90	30.00	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	23.29	23.27	23.41	21.41	30.00	Pass
15KHz	5MHz	HCH	DFT-QPSK	23.22	23.18	23.38	21.38	30.00	Pass
15KHz	5MHz	HCH	DFT-16QAM	21.89	21.97	22.43	20.43	30.00	Pass
15KHz	5MHz	HCH	DFT-64QAM	21.12	21.21	20.84	19.21	30.00	Pass
15KHz	5MHz	HCH	DFT-256QAM	18.63	18.46	19.01	17.01	30.00	Pass
15KHz	5MHz	HCH	CP-QPSK	21.89	21.86	21.56	19.89	30.00	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	22.93	23.01	22.68	21.01	30.00	Pass
15KHz	10MHz	LCH	DFT-QPSK	22.81	22.83	23.19	21.19	30.00	Pass
15KHz	10MHz	LCH	DFT-16QAM	21.61	21.56	22.31	20.31	30.00	Pass
15KHz	10MHz	LCH	DFT-64QAM	20.15	20.13	20.35	18.35	30.00	Pass
15KHz	10MHz	LCH	DFT-256QAM	17.91	18.07	17.99	16.07	30.00	Pass
15KHz	10MHz	LCH	CP-QPSK	21.50	21.49	21.07	19.50	30.00	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	23.28	23.27	23.36	21.36	30.00	Pass
15KHz	10MHz	MCH	DFT-QPSK	23.15	23.23	23.27	21.27	30.00	Pass
15KHz	10MHz	MCH	DFT-16QAM	22.06	22.21	22.36	20.36	30.00	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.91	20.95	20.88	18.95	30.00	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.54	18.49	18.29	16.54	30.00	Pass
15KHz	10MHz	MCH	CP-QPSK	21.93	21.89	21.65	19.93	30.00	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	23.34	23.35	23.11	21.35	30.00	Pass
15KHz	10MHz	HCH	DFT-QPSK	23.27	23.23	22.88	21.27	30.00	Pass
15KHz	10MHz	HCH	DFT-16QAM	21.94	22.01	22.18	20.18	30.00	Pass
15KHz	10MHz	HCH	DFT-64QAM	21.14	21.41	21.10	19.41	30.00	Pass
15KHz	10MHz	HCH	DFT-256QAM	18.72	18.58	19.04	17.04	30.00	Pass
15KHz	10MHz	HCH	CP-QPSK	21.94	21.77	21.45	19.94	30.00	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	23.61	23.56	23.53	21.61	30.00	Pass
15KHz	15MHz	LCH	DFT-QPSK	23.48	23.50	23.56	21.56	30.00	Pass
15KHz	15MHz	LCH	DFT-16QAM	22.55	22.48	22.59	20.59	30.00	Pass
15KHz	15MHz	LCH	DFT-64QAM	21.20	21.13	21.12	19.20	30.00	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.71	18.71	18.95	16.95	30.00	Pass
15KHz	15MHz	LCH	CP-QPSK	22.09	22.18	22.07	20.18	30.00	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	23.26	23.34	23.36	21.36	30.00	Pass
15KHz	15MHz	MCH	DFT-QPSK	23.20	23.30	23.38	21.38	30.00	Pass
15KHz	15MHz	MCH	DFT-16QAM	21.93	22.08	22.45	20.45	30.00	Pass
15KHz	15MHz	MCH	DFT-64QAM	21.17	21.29	20.87	19.29	30.00	Pass
15KHz	15MHz	MCH	DFT-256QAM	18.41	18.54	18.79	16.79	30.00	Pass
15KHz	15MHz	MCH	CP-QPSK	21.75	21.98	21.86	19.98	30.00	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	23.37	23.36	23.43	21.43	30.00	Pass
15KHz	15MHz	HCH	DFT-QPSK	23.21	23.17	23.46	21.46	30.00	Pass
15KHz	15MHz	HCH	DFT-16QAM	22.29	22.38	22.48	20.48	30.00	Pass
15KHz	15MHz	HCH	DFT-64QAM	20.96	21.02	21.02	19.02	30.00	Pass
15KHz	15MHz	HCH	DFT-256QAM	18.55	18.55	18.83	16.83	30.00	Pass
15KHz	15MHz	HCH	CP-QPSK	21.85	21.89	21.95	19.95	30.00	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	23.65	23.50	23.54	21.65	30.00	Pass
15KHz	20MHz	LCH	DFT-QPSK	23.50	23.41	23.54	21.54	30.00	Pass
15KHz	20MHz	LCH	DFT-16QAM	22.29	22.22	22.58	20.58	30.00	Pass
15KHz	20MHz	LCH	DFT-64QAM	20.91	20.86	21.12	19.12	30.00	Pass

15KHz	20MHz	LCH	DFT-256QAM	18.72	18.66	18.99	16.99	30.00	Pass
15KHz	20MHz	LCH	CP-QPSK	22.11	21.99	22.06	20.11	30.00	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	23.27	23.32	23.37	21.37	30.00	Pass
15KHz	20MHz	MCH	DFT-QPSK	23.26	23.28	23.36	21.36	30.00	Pass
15KHz	20MHz	MCH	DFT-16QAM	22.41	22.51	22.45	20.51	30.00	Pass
15KHz	20MHz	MCH	DFT-64QAM	20.96	21.06	20.96	19.06	30.00	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.49	18.55	18.82	16.82	30.00	Pass
15KHz	20MHz	MCH	CP-QPSK	21.83	21.79	21.85	19.85	30.00	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	23.27	23.34	23.46	21.46	30.00	Pass
15KHz	20MHz	HCH	DFT-QPSK	23.22	23.27	23.48	21.48	30.00	Pass
15KHz	20MHz	HCH	DFT-16QAM	22.08	22.16	22.47	20.47	30.00	Pass
15KHz	20MHz	HCH	DFT-64QAM	20.66	20.75	21.07	19.07	30.00	Pass
15KHz	20MHz	HCH	DFT-256QAM	18.46	18.54	18.93	16.93	30.00	Pass
15KHz	20MHz	HCH	CP-QPSK	21.82	21.83	21.97	19.97	30.00	Pass
15KHz	25MHz	LCH	DFT-Pi2BPSK	23.69	23.68	23.56	21.69	30.00	Pass
15KHz	25MHz	LCH	DFT-QPSK	23.77	23.74	23.56	21.77	30.00	Pass
15KHz	25MHz	LCH	DFT-16QAM	22.47	22.46	22.51	20.51	30.00	Pass
15KHz	25MHz	LCH	DFT-64QAM	21.36	21.33	21.09	19.36	30.00	Pass
15KHz	25MHz	LCH	DFT-256QAM	19.09	19.09	18.97	17.09	30.00	Pass
15KHz	25MHz	LCH	CP-QPSK	22.36	22.29	22.12	20.36	30.00	Pass
15KHz	25MHz	MCH	DFT-Pi2BPSK	23.58	23.66	23.40	21.66	30.00	Pass
15KHz	25MHz	MCH	DFT-QPSK	23.40	23.69	23.40	21.69	30.00	Pass
15KHz	25MHz	MCH	DFT-16QAM	22.24	22.53	22.44	20.53	30.00	Pass
15KHz	25MHz	MCH	DFT-64QAM	20.85	21.12	20.98	19.12	30.00	Pass
15KHz	25MHz	MCH	DFT-256QAM	18.75	18.88	18.85	16.88	30.00	Pass
15KHz	25MHz	MCH	CP-QPSK	22.11	22.23	21.92	20.23	30.00	Pass
15KHz	25MHz	HCH	DFT-Pi2BPSK	23.52	23.63	23.39	21.63	30.00	Pass
15KHz	25MHz	HCH	DFT-QPSK	23.49	23.10	23.39	21.49	30.00	Pass
15KHz	25MHz	HCH	DFT-16QAM	22.44	22.17	22.39	20.44	30.00	Pass
15KHz	25MHz	HCH	DFT-64QAM	21.34	21.19	21.00	19.34	30.00	Pass
15KHz	25MHz	HCH	DFT-256QAM	18.74	18.89	18.89	16.89	30.00	Pass
15KHz	25MHz	HCH	CP-QPSK	22.08	21.91	22.01	20.08	30.00	Pass
15KHz	30MHz	LCH	DFT-Pi2BPSK	23.60	23.29	23.22	21.60	30.00	Pass
15KHz	30MHz	LCH	DFT-QPSK	23.45	23.30	23.23	21.45	30.00	Pass
15KHz	30MHz	LCH	DFT-16QAM	22.10	22.05	22.40	20.40	30.00	Pass
15KHz	30MHz	LCH	DFT-64QAM	21.19	21.09	20.76	19.19	30.00	Pass
15KHz	30MHz	LCH	DFT-256QAM	18.83	18.78	18.89	16.89	30.00	Pass
15KHz	30MHz	LCH	CP-QPSK	22.08	21.86	21.77	20.08	30.00	Pass
15KHz	30MHz	MCH	DFT-Pi2BPSK	23.23	23.26	22.83	21.26	30.00	Pass
15KHz	30MHz	MCH	DFT-QPSK	23.15	23.18	23.40	21.40	30.00	Pass
15KHz	30MHz	MCH	DFT-16QAM	21.81	21.93	22.51	20.51	30.00	Pass
15KHz	30MHz	MCH	DFT-64QAM	20.88	21.02	20.45	19.02	30.00	Pass
15KHz	30MHz	MCH	DFT-256QAM	18.55	18.72	19.20	17.20	30.00	Pass
15KHz	30MHz	MCH	CP-QPSK	21.77	21.86	21.89	19.89	30.00	Pass
15KHz	30MHz	HCH	DFT-Pi2BPSK	23.22	23.26	23.40	21.40	30.00	Pass
15KHz	30MHz	HCH	DFT-QPSK	23.21	23.00	23.38	21.38	30.00	Pass
15KHz	30MHz	HCH	DFT-16QAM	21.91	21.80	22.36	20.36	30.00	Pass
15KHz	30MHz	HCH	DFT-64QAM	21.09	21.24	20.90	19.24	30.00	Pass
15KHz	30MHz	HCH	DFT-256QAM	18.60	18.75	18.84	16.84	30.00	Pass
15KHz	30MHz	HCH	CP-QPSK	21.81	21.84	21.89	19.89	30.00	Pass
15KHz	35MHz	LCH	DFT-Pi2BPSK	23.55	23.43	22.85	21.55	30.00	Pass
15KHz	35MHz	LCH	DFT-QPSK	23.45	23.39	23.36	21.45	30.00	Pass
15KHz	35MHz	LCH	DFT-16QAM	22.14	22.20	22.36	20.36	30.00	Pass
15KHz	35MHz	LCH	DFT-64QAM	21.46	21.40	20.38	19.46	30.00	Pass
15KHz	35MHz	LCH	DFT-256QAM	18.76	18.74	18.26	16.76	30.00	Pass
15KHz	35MHz	LCH	CP-QPSK	22.08	21.98	21.53	20.08	30.00	Pass
15KHz	35MHz	MCH	DFT-Pi2BPSK	23.28	23.41	22.94	21.41	30.00	Pass
15KHz	35MHz	MCH	DFT-QPSK	23.21	23.33	23.36	21.36	30.00	Pass
15KHz	35MHz	MCH	DFT-16QAM	21.90	22.06	22.05	20.06	30.00	Pass
15KHz	35MHz	MCH	DFT-64QAM	21.15	21.33	21.22	19.33	30.00	Pass
15KHz	35MHz	MCH	DFT-256QAM	18.49	18.65	19.29	17.29	30.00	Pass
15KHz	35MHz	MCH	CP-QPSK	21.81	21.89	21.78	19.89	30.00	Pass

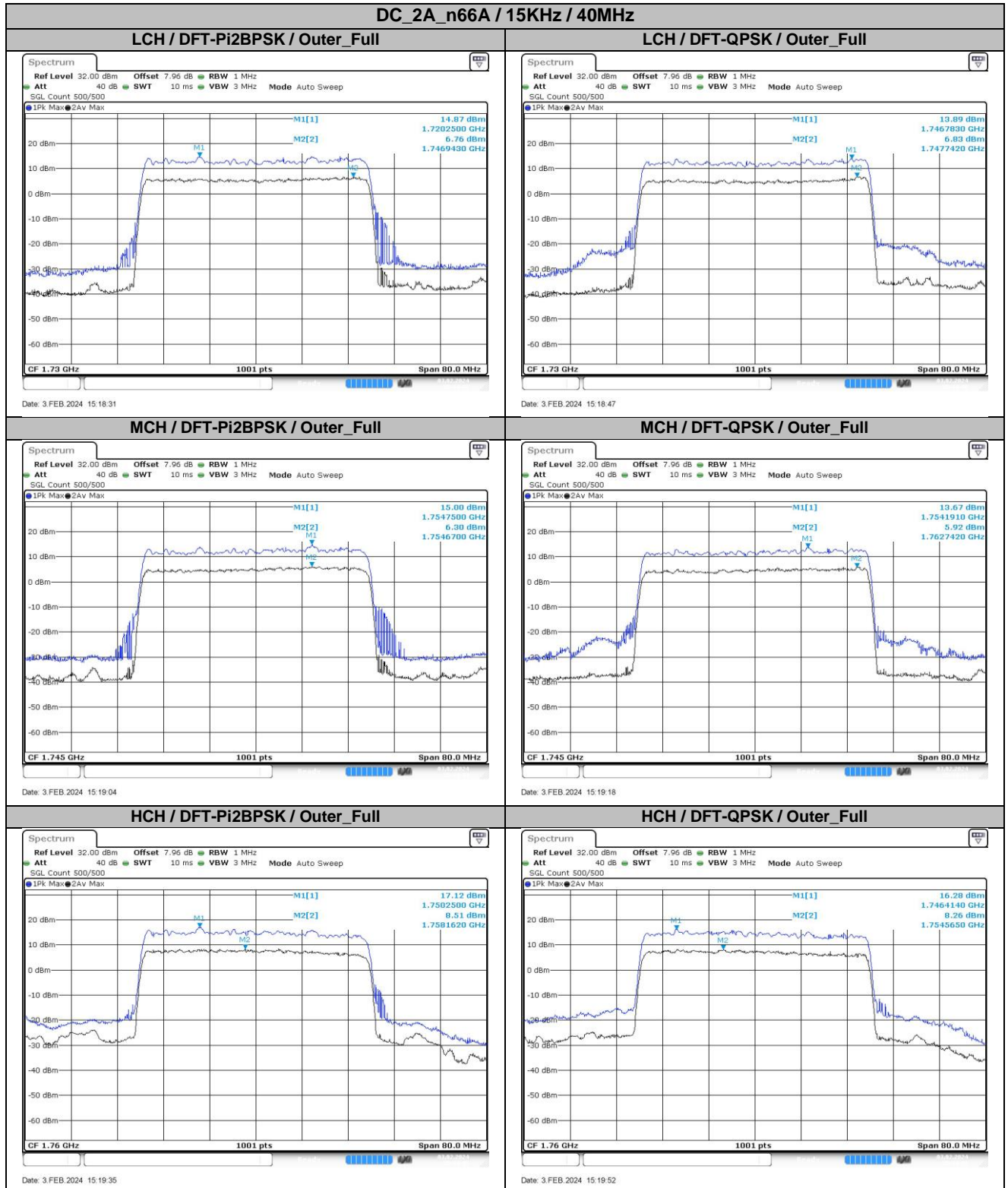
15KHz	35MHz	HCH	DFT-Pi2BPSK	23.11	23.39	23.37	21.39	30.00	Pass
15KHz	35MHz	HCH	DFT-QPSK	23.17	23.01	23.39	21.39	30.00	Pass
15KHz	35MHz	HCH	DFT-16QAM	22.31	22.19	22.36	20.36	30.00	Pass
15KHz	35MHz	HCH	DFT-64QAM	20.83	21.09	20.91	19.09	30.00	Pass
15KHz	35MHz	HCH	DFT-256QAM	18.37	18.56	18.88	16.88	30.00	Pass
15KHz	35MHz	HCH	CP-QPSK	21.71	21.83	21.82	19.83	30.00	Pass
15KHz	40MHz	LCH	DFT-Pi2BPSK	23.56	23.33	22.60	21.56	30.00	Pass
15KHz	40MHz	LCH	DFT-QPSK	23.42	23.36	22.82	21.42	30.00	Pass
15KHz	40MHz	LCH	DFT-16QAM	22.10	22.02	22.31	20.31	30.00	Pass
15KHz	40MHz	LCH	DFT-64QAM	21.43	21.24	20.08	19.43	30.00	Pass
15KHz	40MHz	LCH	DFT-256QAM	18.69	18.72	18.87	16.87	30.00	Pass
15KHz	40MHz	LCH	CP-QPSK	22.01	21.88	21.22	20.01	30.00	Pass
15KHz	40MHz	MCH	DFT-Pi2BPSK	23.26	23.26	23.45	21.45	30.00	Pass
15KHz	40MHz	MCH	DFT-QPSK	23.22	23.23	23.43	21.43	30.00	Pass
15KHz	40MHz	MCH	DFT-16QAM	22.03	22.11	22.52	20.52	30.00	Pass
15KHz	40MHz	MCH	DFT-64QAM	20.54	20.61	21.02	19.02	30.00	Pass
15KHz	40MHz	MCH	DFT-256QAM	18.41	18.57	18.63	16.63	30.00	Pass
15KHz	40MHz	MCH	CP-QPSK	21.80	21.83	21.48	19.83	30.00	Pass
15KHz	40MHz	HCH	DFT-Pi2BPSK	23.14	23.28	23.35	21.35	30.00	Pass
15KHz	40MHz	HCH	DFT-QPSK	23.09	22.87	23.41	21.41	30.00	Pass
15KHz	40MHz	HCH	DFT-16QAM	22.29	22.08	22.46	20.46	30.00	Pass
15KHz	40MHz	HCH	DFT-64QAM	20.83	20.94	20.87	18.94	30.00	Pass
15KHz	40MHz	HCH	DFT-256QAM	18.40	18.60	18.82	16.82	30.00	Pass
15KHz	40MHz	HCH	CP-QPSK	21.70	21.74	21.94	19.94	30.00	Pass

2. Peak-to-Average Ratio

2.1. Test Results

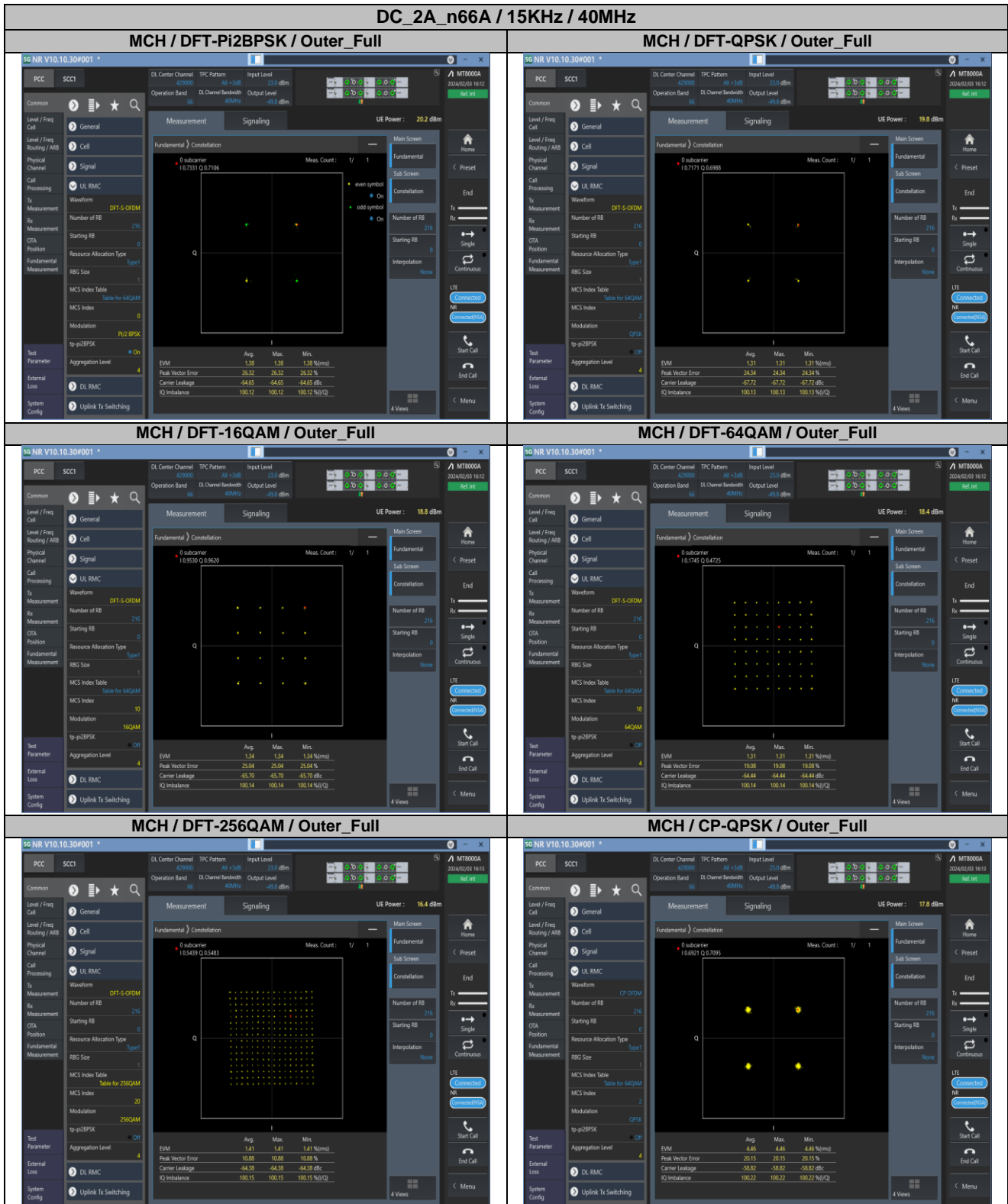
SCS	Bandwidth	Channel	Modulation	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	40MHz	LCH	Outer_Full	8.11	7.06	13.00	Pass
15KHz	40MHz	MCH	Outer_Full	8.70	7.74	13.00	Pass
15KHz	40MHz	HCH	Outer_Full	8.61	8.02	13.00	Pass

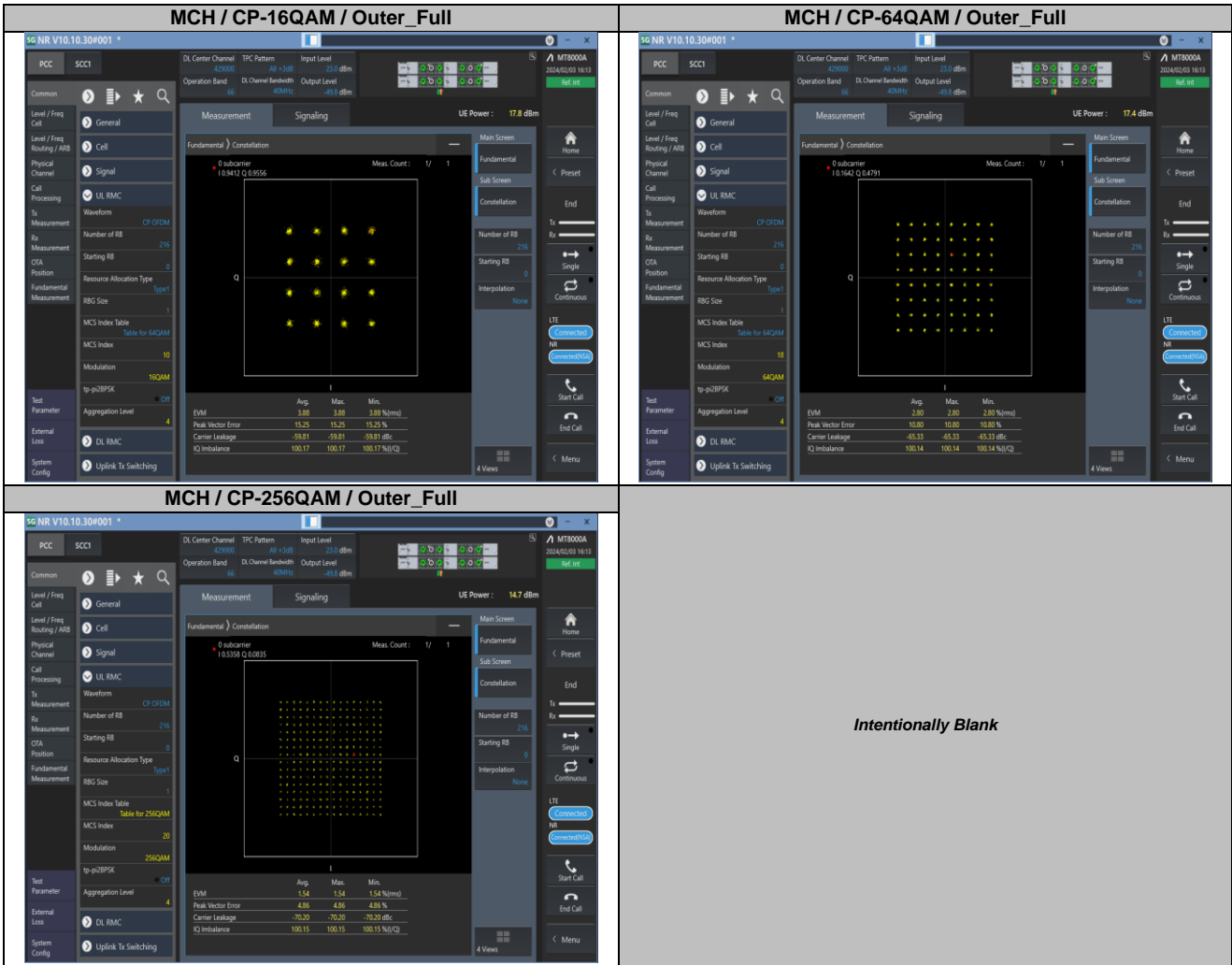
2.2. Test Plots



3. Modulation Characteristics

3.1. Test Plots



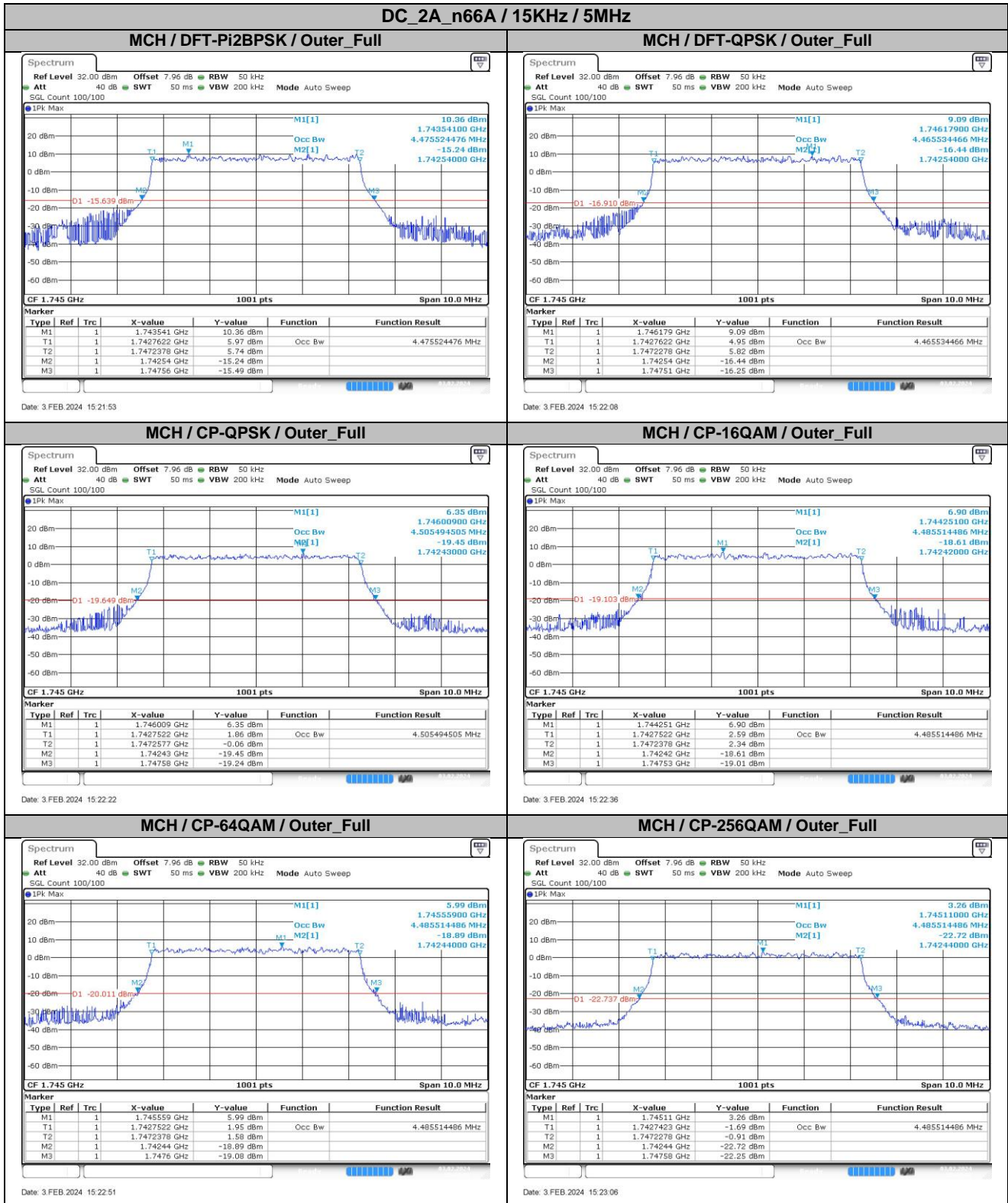


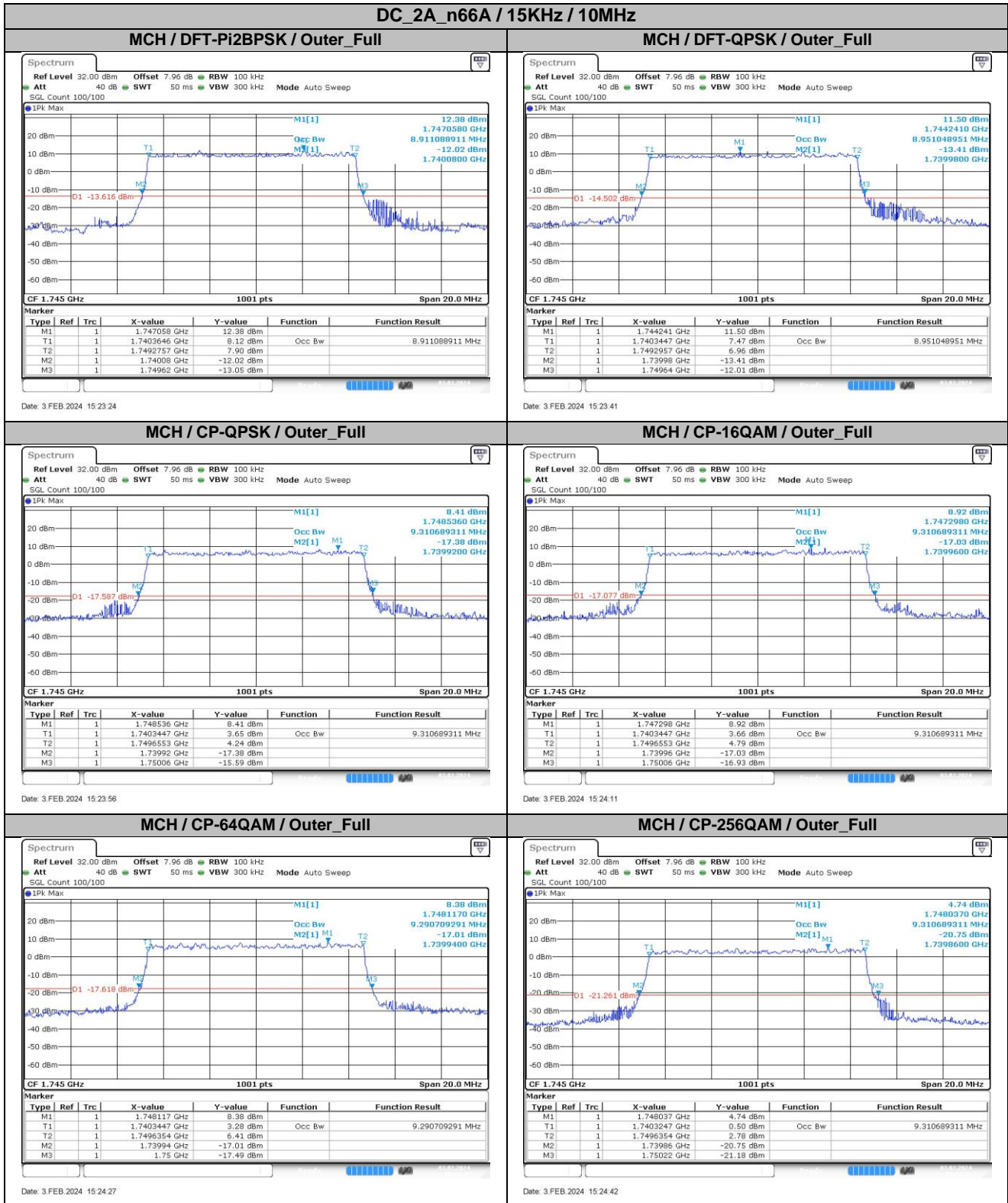
4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

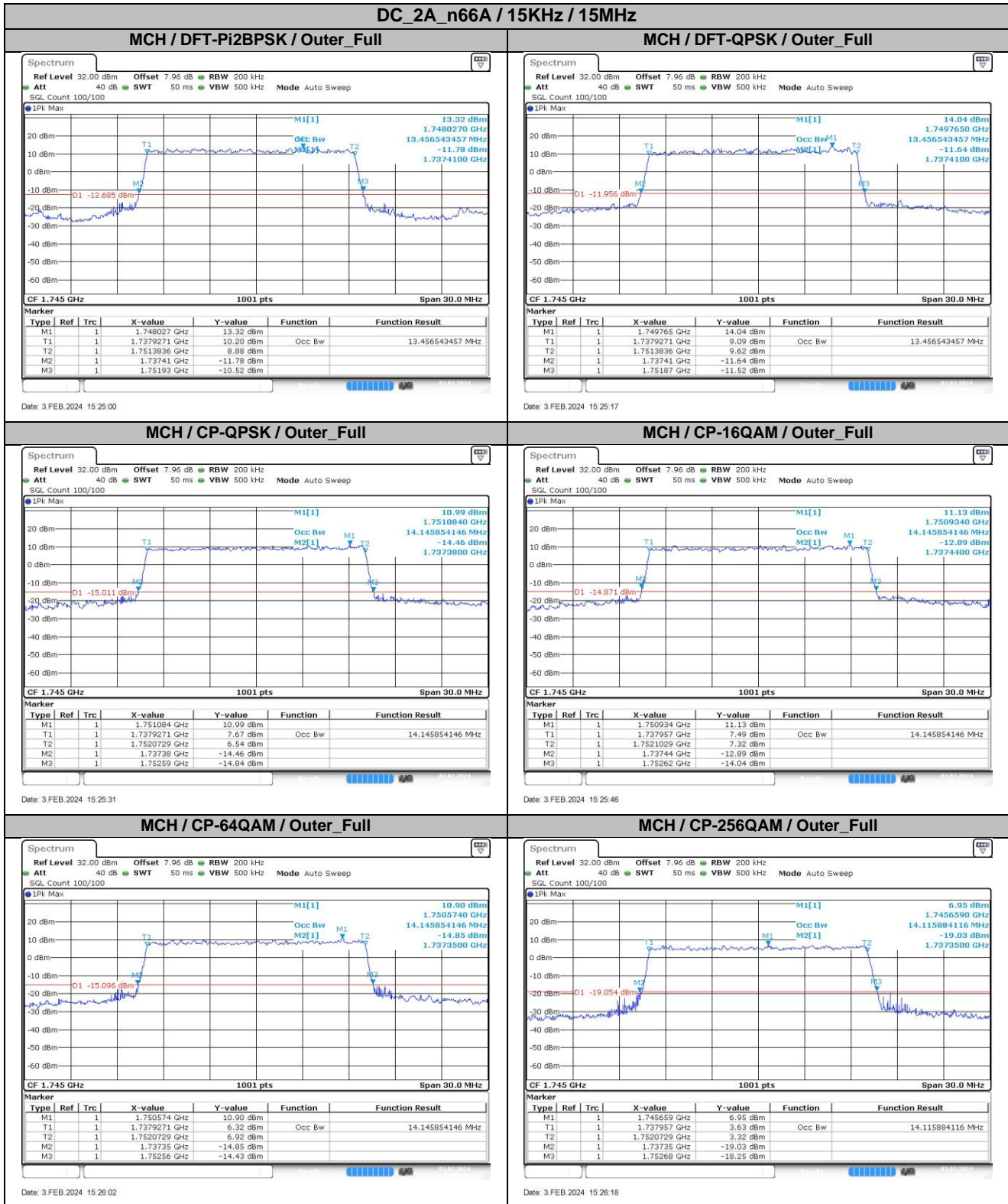
4.1. Test Results

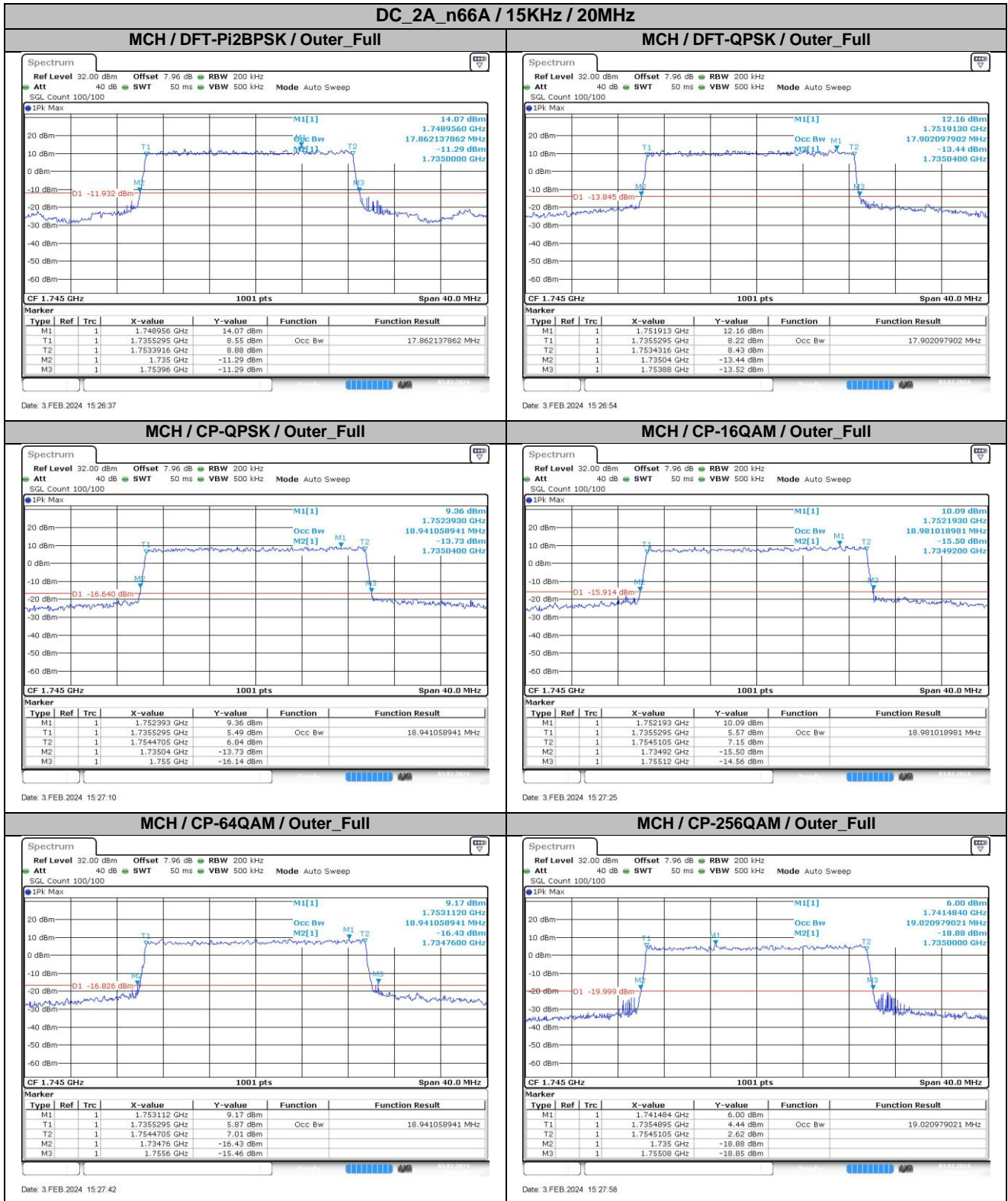
SCS	Bandwidth	Modulation	RB Config	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.48	5.02	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.47	4.97	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.51	5.15	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.49	5.11	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.49	5.16	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.49	5.14	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.91	9.54	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.95	9.66	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.31	10.14	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.31	10.10	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.29	10.06	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.31	10.36	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.46	14.52	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.46	14.46	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.15	15.21	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.15	15.18	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.15	15.21	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.12	15.33	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.86	18.96	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.90	18.84	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.94	19.96	Pass
15KHz	20MHz	CP-16QAM	Outer_Full	18.98	20.20	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	18.94	20.84	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	19.02	20.08	Pass
15KHz	25MHz	DFT-Pi2BPSK	Outer_Full	22.88	24.10	Pass
15KHz	25MHz	DFT-QPSK	Outer_Full	22.98	24.85	Pass
15KHz	25MHz	CP-QPSK	Outer_Full	23.73	25.05	Pass
15KHz	25MHz	CP-16QAM	Outer_Full	23.73	25.70	Pass
15KHz	25MHz	CP-64QAM	Outer_Full	23.78	25.80	Pass
15KHz	25MHz	CP-256QAM	Outer_Full	23.78	25.00	Pass
15KHz	30MHz	DFT-Pi2BPSK	Outer_Full	28.53	29.70	Pass
15KHz	30MHz	DFT-QPSK	Outer_Full	28.59	29.76	Pass
15KHz	30MHz	CP-QPSK	Outer_Full	28.53	31.26	Pass
15KHz	30MHz	CP-16QAM	Outer_Full	28.53	29.82	Pass
15KHz	30MHz	CP-64QAM	Outer_Full	28.47	31.14	Pass
15KHz	30MHz	CP-256QAM	Outer_Full	28.53	29.88	Pass
15KHz	35MHz	DFT-Pi2BPSK	Outer_Full	32.10	34.51	Pass
15KHz	35MHz	DFT-QPSK	Outer_Full	32.17	33.46	Pass
15KHz	35MHz	CP-QPSK	Outer_Full	33.50	34.86	Pass
15KHz	35MHz	CP-16QAM	Outer_Full	33.64	35.00	Pass
15KHz	35MHz	CP-64QAM	Outer_Full	33.57	36.26	Pass
15KHz	35MHz	CP-256QAM	Outer_Full	33.50	34.93	Pass
15KHz	40MHz	DFT-Pi2BPSK	Outer_Full	38.52	40.08	Pass
15KHz	40MHz	DFT-QPSK	Outer_Full	38.68	40.24	Pass
15KHz	40MHz	CP-QPSK	Outer_Full	38.52	40.24	Pass
15KHz	40MHz	CP-16QAM	Outer_Full	38.52	40.24	Pass
15KHz	40MHz	CP-64QAM	Outer_Full	38.60	40.64	Pass
15KHz	40MHz	CP-256QAM	Outer_Full	38.60	40.64	Pass

4.2. Test Plots



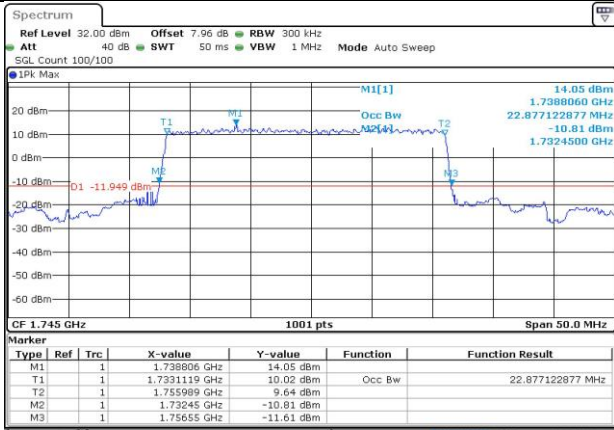






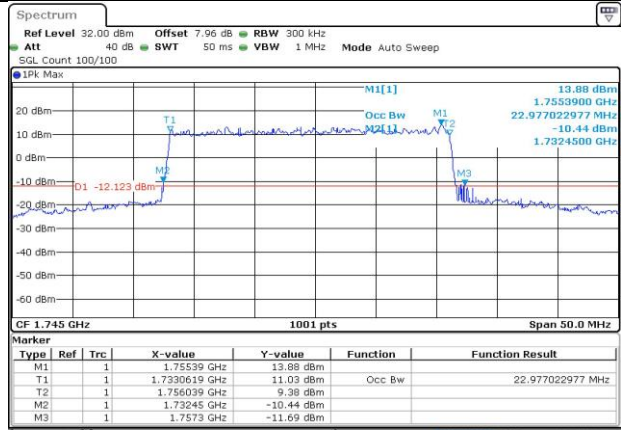
DC_2A_n66A / 15KHz / 25MHz

MCH / DFT-Pi2BPSK / Outer_Full



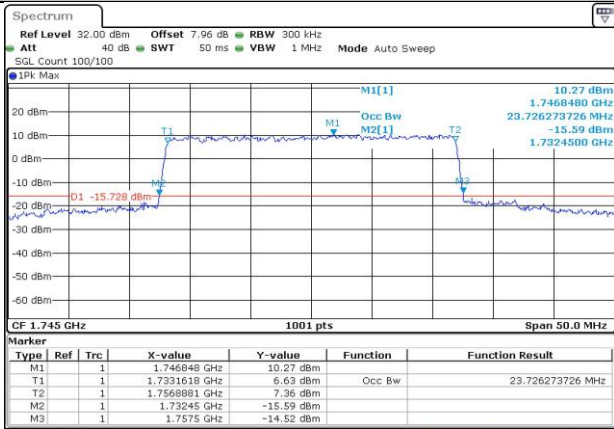
Date: 3 FEB 2024 15:28:15

MCH / DFT-QPSK / Outer_Full



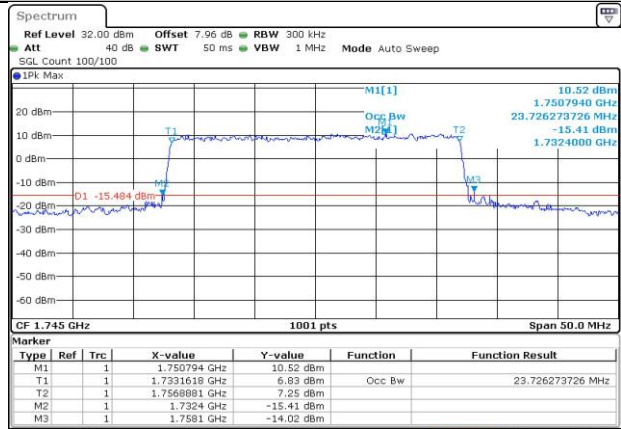
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MCH / CP-QPSK / Outer_Full



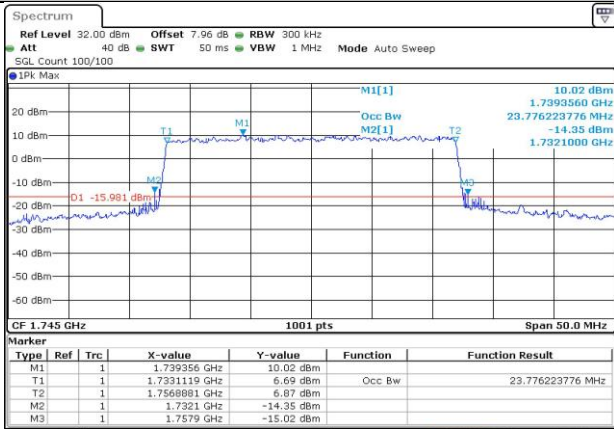
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MCH / CP-16QAM / Outer_Full



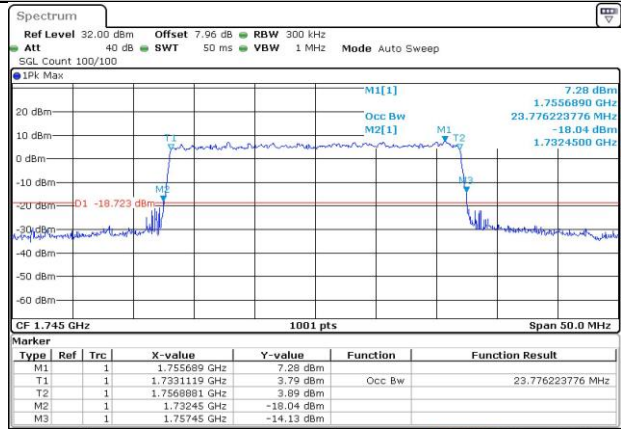
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MCH / CP-64QAM / Outer_Full

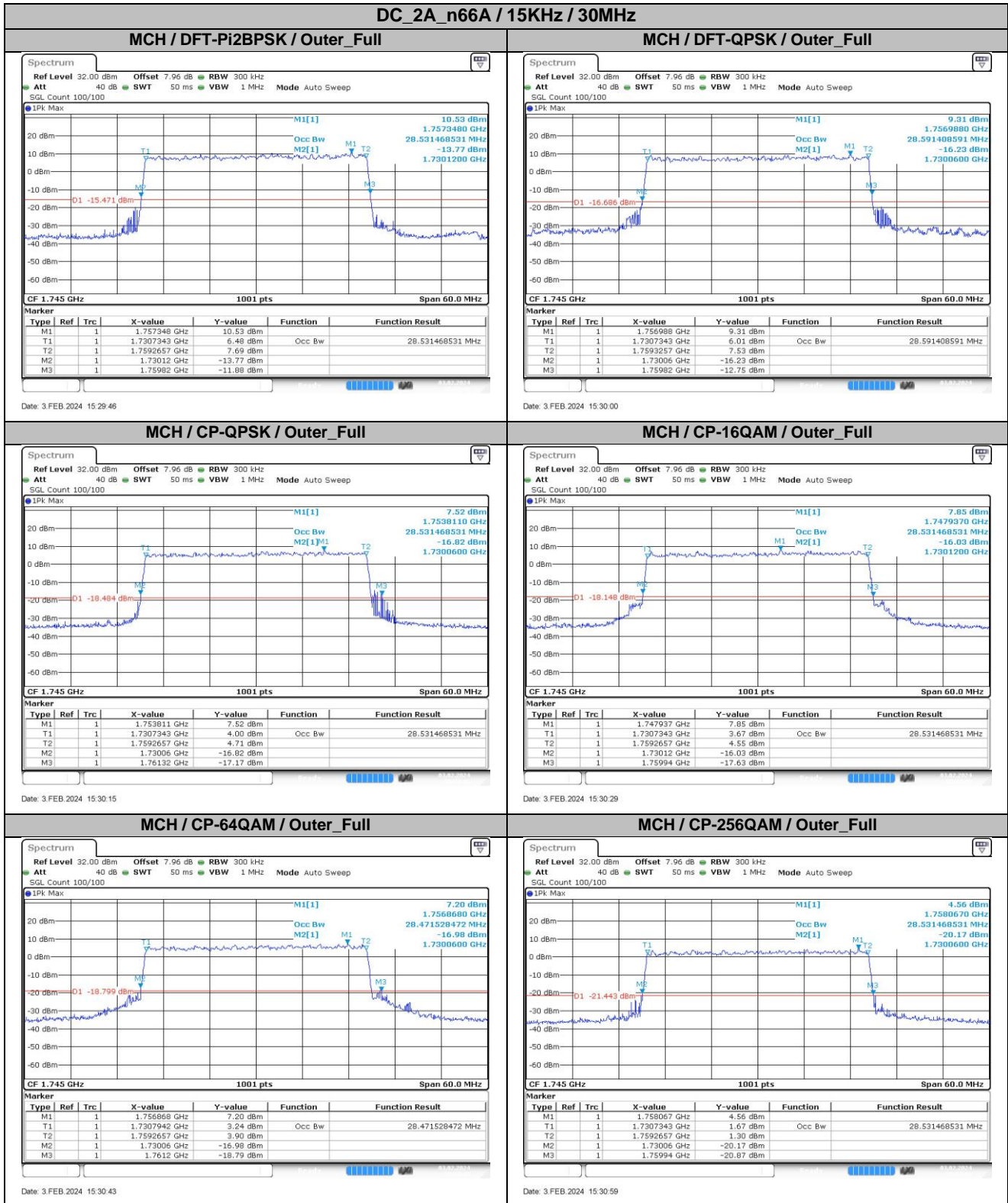


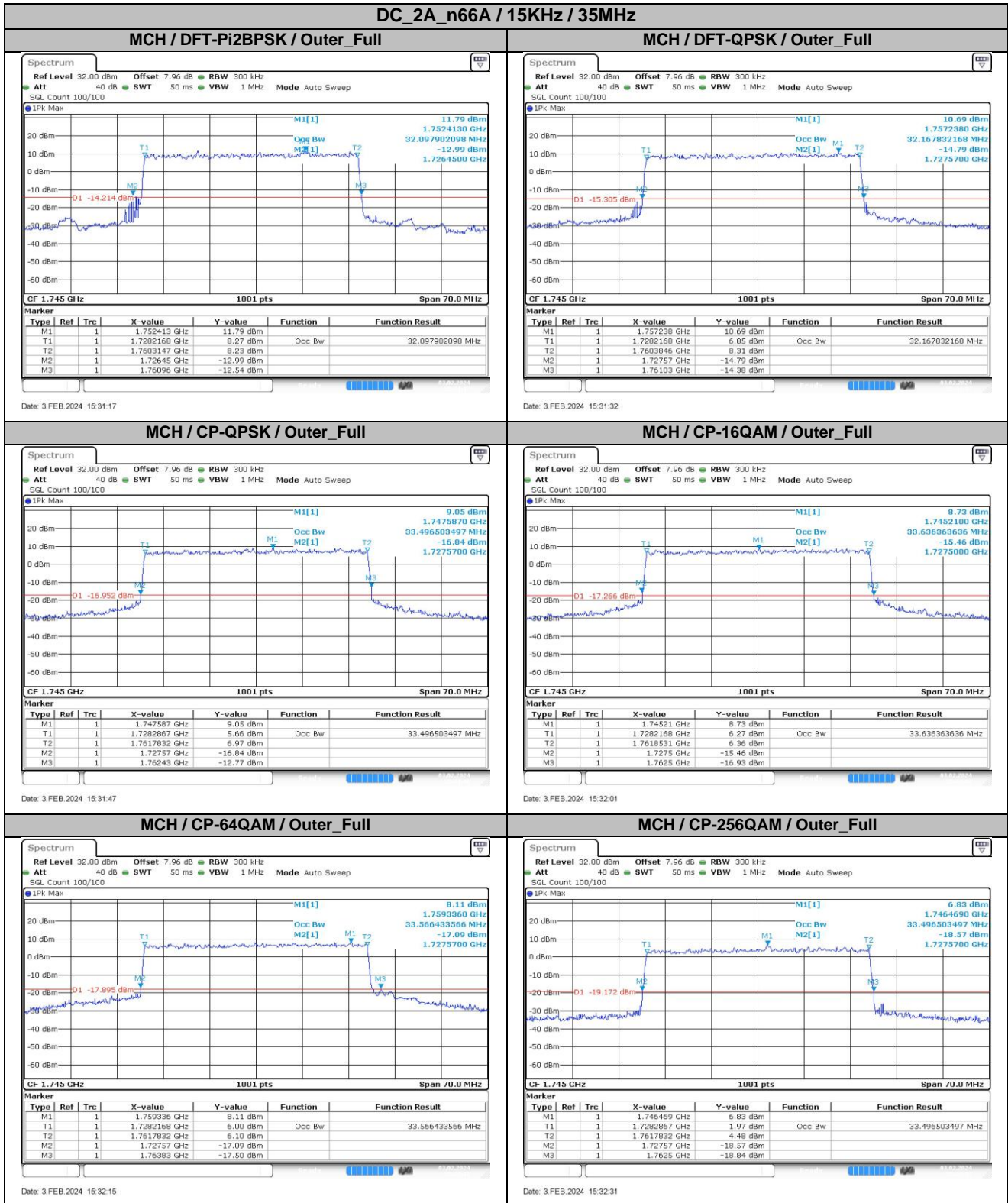
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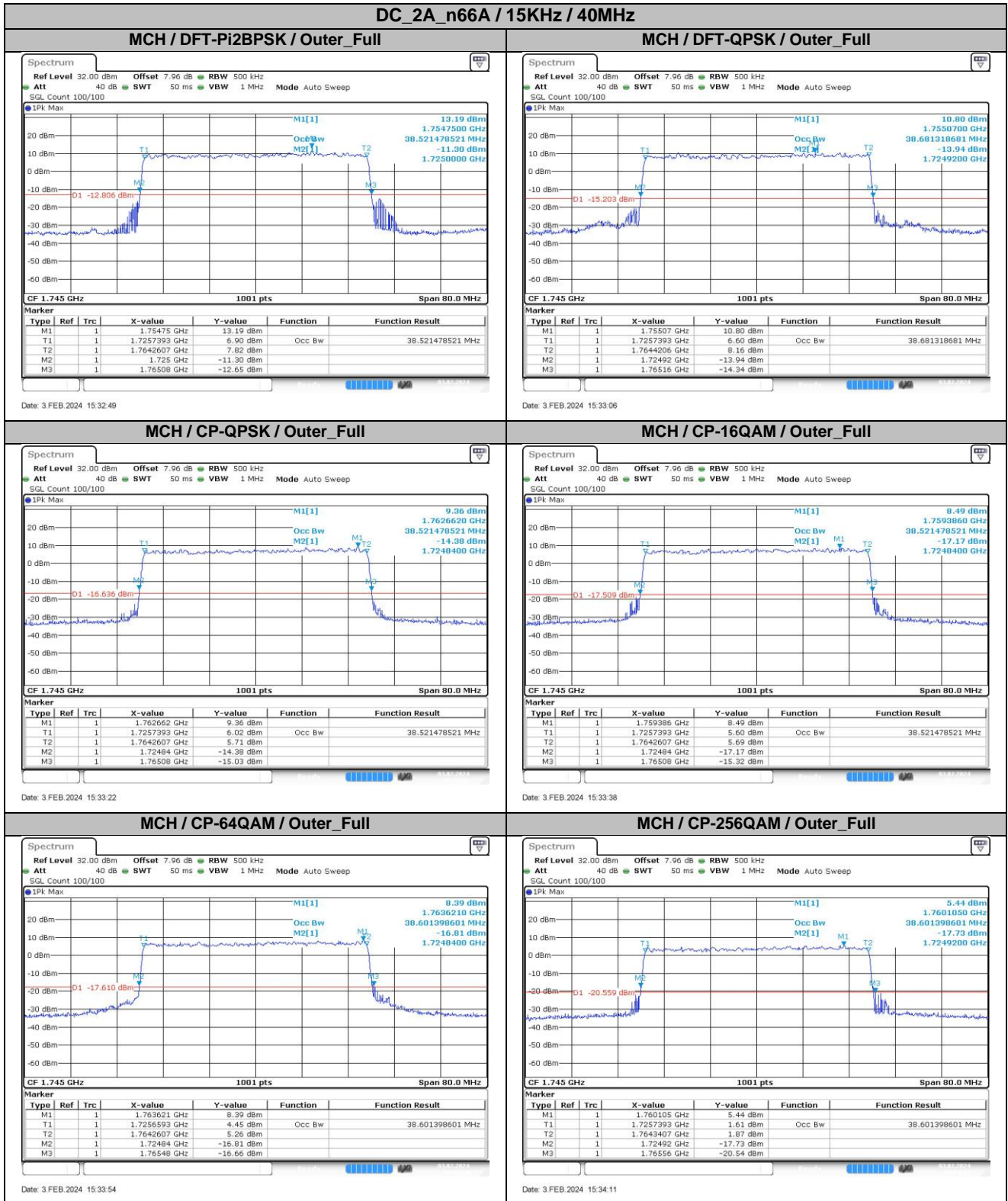
MCH / CP-256QAM / Outer_Full



Date: 3 FEB 2024 15:29:29







5. Conducted Band Edges

5.1. Test Plots

