

**Appendix
for
DC_66A_n5A
(824-849)**

Catalogue

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1. Effective Radiated Power

1.1. Test Results @ Ant0 (Antenna Gain=-3.82dBi)

SCS	Bandwidth	Channel	Modulation	Conducted Result (dBm)			Max ERP (dBm)	Limit (dBm)	Verdict
				Inner_1RB_Left	Inner_1RB_Right	Inner_Full			
15KHz	5MHz	LCH	DFT-Pi2BPSK	22.95	22.89	23.00	17.03	38.45	Pass
15KHz	5MHz	LCH	DFT-QPSK	23.13	23.12	23.01	17.16	38.45	Pass
15KHz	5MHz	LCH	DFT-16QAM	22.32	22.21	22.09	16.35	38.45	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.49	20.44	20.61	14.64	38.45	Pass
15KHz	5MHz	LCH	DFT-256QAM	18.44	18.30	18.66	12.69	38.45	Pass
15KHz	5MHz	LCH	CP-QPSK	21.57	21.55	21.57	15.60	38.45	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	22.88	22.87	22.95	16.98	38.45	Pass
15KHz	5MHz	MCH	DFT-QPSK	23.05	23.00	22.92	17.08	38.45	Pass
15KHz	5MHz	MCH	DFT-16QAM	22.19	22.20	22.04	16.23	38.45	Pass
15KHz	5MHz	MCH	DFT-64QAM	20.38	20.40	20.51	14.54	38.45	Pass
15KHz	5MHz	MCH	DFT-256QAM	18.31	18.27	18.59	12.62	38.45	Pass
15KHz	5MHz	MCH	CP-QPSK	21.42	21.49	21.49	15.52	38.45	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	22.93	22.90	23.05	17.08	38.45	Pass
15KHz	5MHz	HCH	DFT-QPSK	23.13	23.07	23.07	17.16	38.45	Pass
15KHz	5MHz	HCH	DFT-16QAM	22.30	22.20	22.11	16.33	38.45	Pass
15KHz	5MHz	HCH	DFT-64QAM	20.49	20.40	20.68	14.71	38.45	Pass
15KHz	5MHz	HCH	DFT-256QAM	18.32	18.34	18.62	12.65	38.45	Pass
15KHz	5MHz	HCH	CP-QPSK	21.54	21.53	21.58	15.61	38.45	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	23.00	22.94	23.00	17.03	38.45	Pass
15KHz	10MHz	LCH	DFT-QPSK	23.02	22.94	23.00	17.05	38.45	Pass
15KHz	10MHz	LCH	DFT-16QAM	22.27	22.06	22.10	16.30	38.45	Pass
15KHz	10MHz	LCH	DFT-64QAM	20.68	20.57	20.63	14.71	38.45	Pass
15KHz	10MHz	LCH	DFT-256QAM	18.57	18.48	18.57	12.60	38.45	Pass
15KHz	10MHz	LCH	CP-QPSK	21.38	21.26	21.49	15.52	38.45	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	22.90	22.95	22.96	16.99	38.45	Pass
15KHz	10MHz	MCH	DFT-QPSK	22.90	22.94	22.93	16.97	38.45	Pass
15KHz	10MHz	MCH	DFT-16QAM	22.07	22.08	22.03	16.11	38.45	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.57	20.54	20.54	14.60	38.45	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.45	18.46	18.54	12.57	38.45	Pass
15KHz	10MHz	MCH	CP-QPSK	21.24	21.30	21.46	15.49	38.45	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	22.91	22.98	23.04	17.07	38.45	Pass
15KHz	10MHz	HCH	DFT-QPSK	22.92	22.03	23.04	17.07	38.45	Pass
15KHz	10MHz	HCH	DFT-16QAM	22.06	22.11	22.15	16.18	38.45	Pass
15KHz	10MHz	HCH	DFT-64QAM	20.55	20.62	20.64	14.67	38.45	Pass
15KHz	10MHz	HCH	DFT-256QAM	18.43	18.50	18.63	12.66	38.45	Pass
15KHz	10MHz	HCH	CP-QPSK	21.28	21.30	21.58	15.61	38.45	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	22.99	22.94	23.03	17.06	38.45	Pass
15KHz	15MHz	LCH	DFT-QPSK	23.05	22.95	23.00	17.08	38.45	Pass
15KHz	15MHz	LCH	DFT-16QAM	22.23	22.11	22.10	16.26	38.45	Pass
15KHz	15MHz	LCH	DFT-64QAM	20.69	20.60	20.59	14.72	38.45	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.56	18.45	18.59	12.62	38.45	Pass
15KHz	15MHz	LCH	CP-QPSK	21.40	21.38	21.59	15.62	38.45	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	22.94	23.06	23.02	17.09	38.45	Pass
15KHz	15MHz	MCH	DFT-QPSK	22.94	23.06	22.99	17.09	38.45	Pass
15KHz	15MHz	MCH	DFT-16QAM	22.15	22.20	22.09	16.23	38.45	Pass
15KHz	15MHz	MCH	DFT-64QAM	20.62	20.69	20.55	14.72	38.45	Pass
15KHz	15MHz	MCH	DFT-256QAM	18.41	18.51	18.59	12.62	38.45	Pass
15KHz	15MHz	MCH	CP-QPSK	21.35	21.48	21.56	15.59	38.45	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	22.94	23.02	23.05	17.08	38.45	Pass
15KHz	15MHz	HCH	DFT-QPSK	22.91	23.04	23.07	17.10	38.45	Pass
15KHz	15MHz	HCH	DFT-16QAM	22.08	22.18	22.12	16.21	38.45	Pass
15KHz	15MHz	HCH	DFT-64QAM	20.56	20.67	20.60	14.70	38.45	Pass
15KHz	15MHz	HCH	DFT-256QAM	18.47	18.52	18.62	12.65	38.45	Pass
15KHz	15MHz	HCH	CP-QPSK	21.29	21.43	21.62	15.65	38.45	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	22.99	23.05	23.05	17.08	38.45	Pass
15KHz	20MHz	LCH	DFT-QPSK	23.02	23.06	23.04	17.09	38.45	Pass
15KHz	20MHz	LCH	DFT-16QAM	22.23	22.23	22.07	16.26	38.45	Pass
15KHz	20MHz	LCH	DFT-64QAM	20.70	20.69	20.57	14.73	38.45	Pass
15KHz	20MHz	LCH	DFT-256QAM	18.61	18.52	18.63	12.66	38.45	Pass

15KHz	20MHz	LCH	CP-QPSK	21.41	21.42	21.56	15.59	38.45	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	22.99	23.05	23.04	17.08	38.45	Pass
15KHz	20MHz	MCH	DFT-QPSK	22.97	23.05	23.01	17.08	38.45	Pass
15KHz	20MHz	MCH	DFT-16QAM	22.18	22.19	22.04	16.22	38.45	Pass
15KHz	20MHz	MCH	DFT-64QAM	20.67	20.69	20.57	14.72	38.45	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.55	18.51	18.60	12.63	38.45	Pass
15KHz	20MHz	MCH	CP-QPSK	21.36	21.42	21.57	15.60	38.45	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	22.96	23.03	23.07	17.10	38.45	Pass
15KHz	20MHz	HCH	DFT-QPSK	22.97	22.06	23.07	17.10	38.45	Pass
15KHz	20MHz	HCH	DFT-16QAM	22.11	22.22	22.10	16.25	38.45	Pass
15KHz	20MHz	HCH	DFT-64QAM	20.64	20.68	20.57	14.71	38.45	Pass
15KHz	20MHz	HCH	DFT-256QAM	18.41	18.52	18.63	12.66	38.45	Pass
15KHz	20MHz	HCH	CP-QPSK	21.32	21.39	21.61	15.64	38.45	Pass
30KHz	10MHz	LCH	DFT-Pi2BPSK	23.04	23.03	23.06	17.09	38.45	Pass
30KHz	10MHz	LCH	DFT-QPSK	23.30	23.15	23.06	17.33	38.45	Pass
30KHz	10MHz	LCH	DFT-16QAM	22.56	22.54	22.21	16.59	38.45	Pass
30KHz	10MHz	LCH	DFT-64QAM	20.74	20.64	20.71	14.77	38.45	Pass
30KHz	10MHz	LCH	DFT-256QAM	18.57	18.50	18.65	12.68	38.45	Pass
30KHz	10MHz	LCH	CP-QPSK	21.79	21.63	21.48	15.82	38.45	Pass
30KHz	10MHz	MCH	DFT-Pi2BPSK	23.00	23.02	22.96	17.05	38.45	Pass
30KHz	10MHz	MCH	DFT-QPSK	23.15	23.13	23.02	17.18	38.45	Pass
30KHz	10MHz	MCH	DFT-16QAM	22.53	22.55	22.12	16.58	38.45	Pass
30KHz	10MHz	MCH	DFT-64QAM	20.65	20.67	20.66	14.70	38.45	Pass
30KHz	10MHz	MCH	DFT-256QAM	18.47	18.46	18.62	12.65	38.45	Pass
30KHz	10MHz	MCH	CP-QPSK	21.64	21.59	21.60	15.67	38.45	Pass
30KHz	10MHz	HCH	DFT-Pi2BPSK	23.00	23.07	23.09	17.12	38.45	Pass
30KHz	10MHz	HCH	DFT-QPSK	23.15	23.27	23.21	17.30	38.45	Pass
30KHz	10MHz	HCH	DFT-16QAM	22.52	22.58	22.32	16.61	38.45	Pass
30KHz	10MHz	HCH	DFT-64QAM	20.62	20.73	20.83	14.86	38.45	Pass
30KHz	10MHz	HCH	DFT-256QAM	18.45	18.55	18.68	12.71	38.45	Pass
30KHz	10MHz	HCH	CP-QPSK	21.53	21.69	21.64	15.72	38.45	Pass
30KHz	15MHz	LCH	DFT-Pi2BPSK	23.07	23.08	23.07	17.11	38.45	Pass
30KHz	15MHz	LCH	DFT-QPSK	23.13	23.03	23.10	17.16	38.45	Pass
30KHz	15MHz	LCH	DFT-16QAM	22.36	22.26	22.16	16.39	38.45	Pass
30KHz	15MHz	LCH	DFT-64QAM	20.92	21.00	20.71	15.03	38.45	Pass
30KHz	15MHz	LCH	DFT-256QAM	18.76	18.70	18.64	12.79	38.45	Pass
30KHz	15MHz	LCH	CP-QPSK	21.60	21.44	21.61	15.64	38.45	Pass
30KHz	15MHz	MCH	DFT-Pi2BPSK	23.04	23.11	23.02	17.14	38.45	Pass
30KHz	15MHz	MCH	DFT-QPSK	23.04	23.11	23.08	17.14	38.45	Pass
30KHz	15MHz	MCH	DFT-16QAM	22.29	22.33	22.14	16.36	38.45	Pass
30KHz	15MHz	MCH	DFT-64QAM	20.97	21.02	20.75	15.05	38.45	Pass
30KHz	15MHz	MCH	DFT-256QAM	18.63	18.74	18.66	12.77	38.45	Pass
30KHz	15MHz	MCH	CP-QPSK	21.48	21.51	21.61	15.64	38.45	Pass
30KHz	15MHz	HCH	DFT-Pi2BPSK	23.03	23.12	23.05	17.15	38.45	Pass
30KHz	15MHz	HCH	DFT-QPSK	22.99	23.17	23.20	17.23	38.45	Pass
30KHz	15MHz	HCH	DFT-16QAM	22.25	22.37	22.19	16.40	38.45	Pass
30KHz	15MHz	HCH	DFT-64QAM	20.95	21.05	20.75	15.08	38.45	Pass
30KHz	15MHz	HCH	DFT-256QAM	18.66	18.68	18.68	12.71	38.45	Pass
30KHz	15MHz	HCH	CP-QPSK	21.43	21.54	21.70	15.73	38.45	Pass
30KHz	20MHz	LCH	DFT-Pi2BPSK	23.07	23.12	23.08	17.15	38.45	Pass
30KHz	20MHz	LCH	DFT-QPSK	22.12	23.10	23.14	17.17	38.45	Pass
30KHz	20MHz	LCH	DFT-16QAM	22.36	22.35	22.20	16.39	38.45	Pass
30KHz	20MHz	LCH	DFT-64QAM	21.04	21.09	20.72	15.12	38.45	Pass
30KHz	20MHz	LCH	DFT-256QAM	18.74	18.72	18.66	12.77	38.45	Pass
30KHz	20MHz	LCH	CP-QPSK	21.60	21.55	21.67	15.70	38.45	Pass
30KHz	20MHz	MCH	DFT-Pi2BPSK	23.07	23.15	23.09	17.18	38.45	Pass
30KHz	20MHz	MCH	DFT-QPSK	23.07	23.16	23.09	17.19	38.45	Pass
30KHz	20MHz	MCH	DFT-16QAM	22.29	22.40	22.15	16.43	38.45	Pass
30KHz	20MHz	MCH	DFT-64QAM	21.10	21.16	20.72	15.19	38.45	Pass
30KHz	20MHz	MCH	DFT-256QAM	18.70	18.75	18.66	12.78	38.45	Pass
30KHz	20MHz	MCH	CP-QPSK	21.52	21.51	21.63	15.66	38.45	Pass
30KHz	20MHz	HCH	DFT-Pi2BPSK	23.04	23.15	23.15	17.18	38.45	Pass
30KHz	20MHz	HCH	DFT-QPSK	23.04	23.15	23.06	17.18	38.45	Pass
30KHz	20MHz	HCH	DFT-16QAM	22.30	22.38	22.12	16.41	38.45	Pass

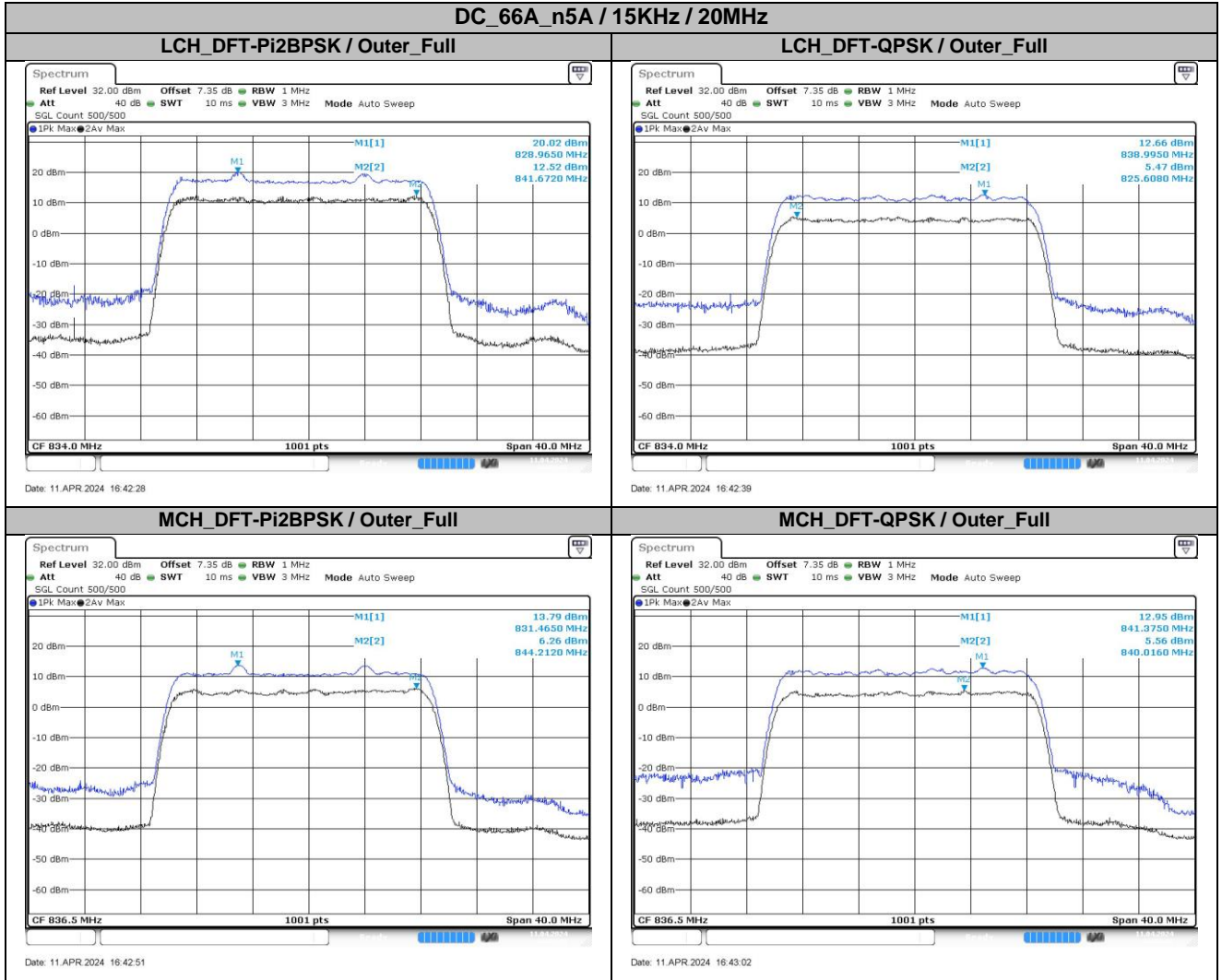
30KHz	20MHz	HCH	DFT-64QAM	21.05	21.14	20.72	15.17	38.45	Pass
30KHz	20MHz	HCH	DFT-256QAM	18.62	18.71	18.64	12.74	38.45	Pass
30KHz	20MHz	HCH	CP-QPSK	21.50	21.59	21.75	15.78	38.45	Pass

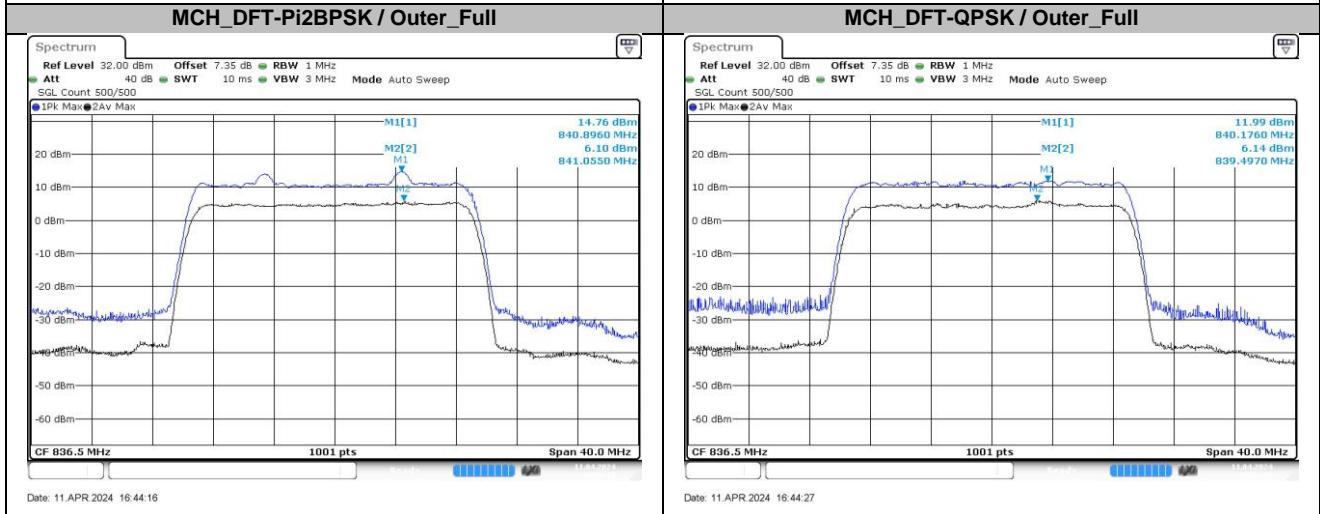
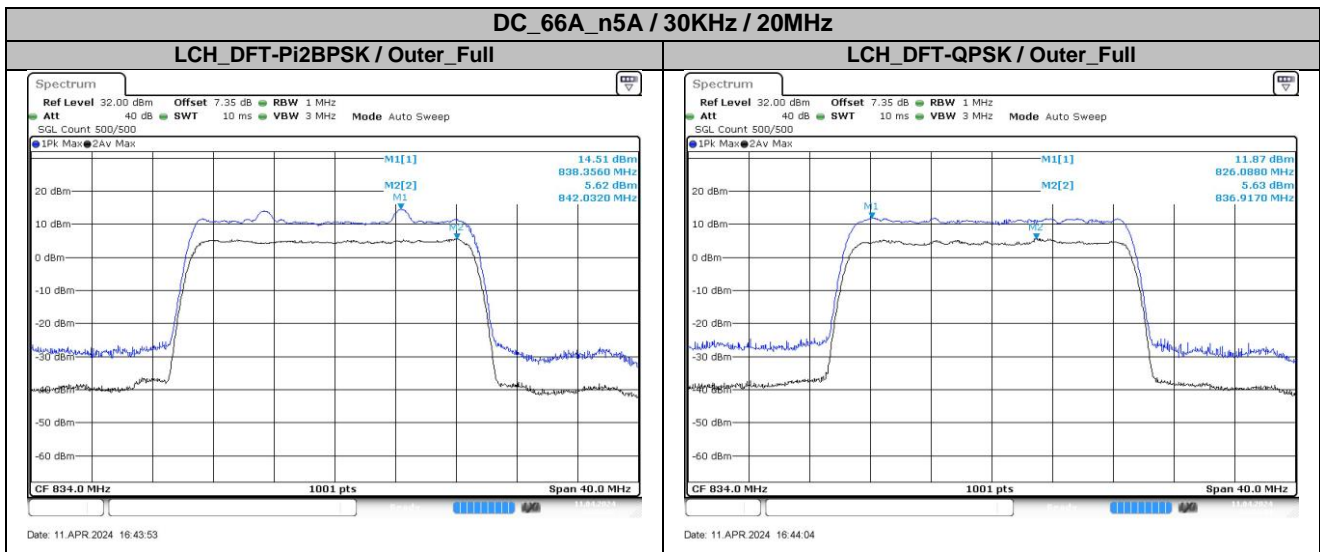
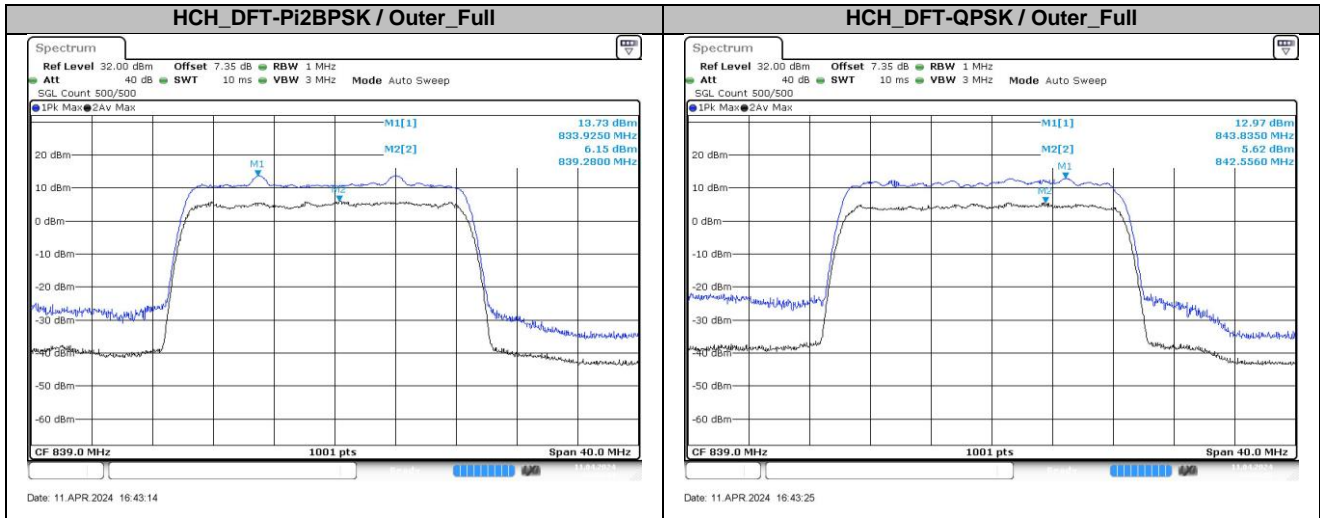
2. Peak-to-Average Ratio

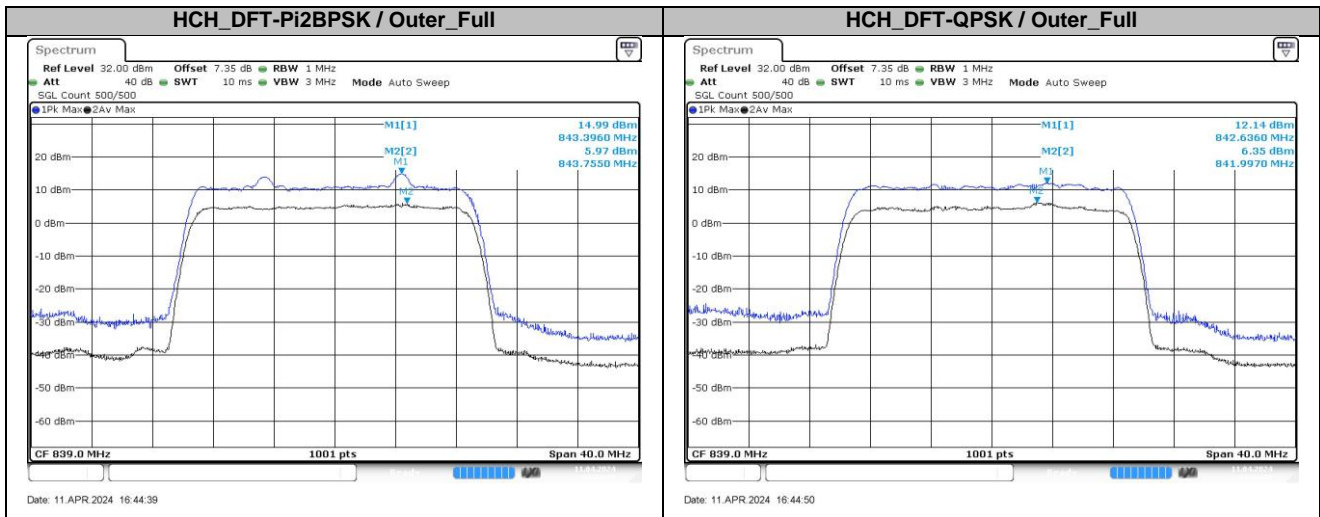
2.1. Test Results

Channel	Modulation	15KHz / 20MHz		30KHz / 20MHz		Limit (dB)	Verdict
		DFT-Pi2BPSK	DFT-QPSK	DFT-Pi2BPSK	DFT-QPSK		
LCH	Outer_Full	7.50	7.20	8.89	6.24	13.00	Pass
MCH	Outer_Full	7.53	7.39	8.65	5.84	13.00	Pass
HCH	Outer_Full	7.59	7.35	9.02	5.79	13.00	Pass

2.2. Test Plots

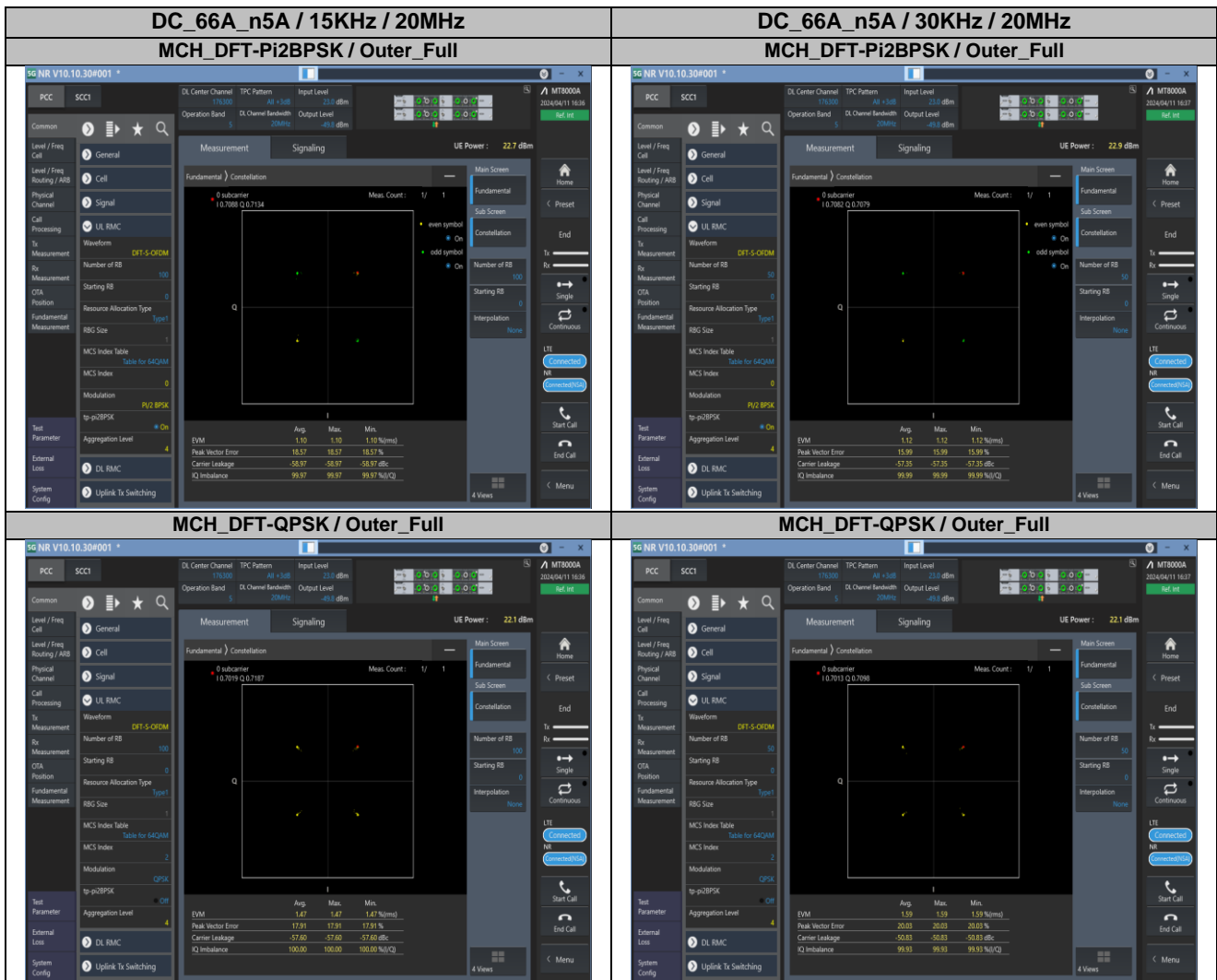


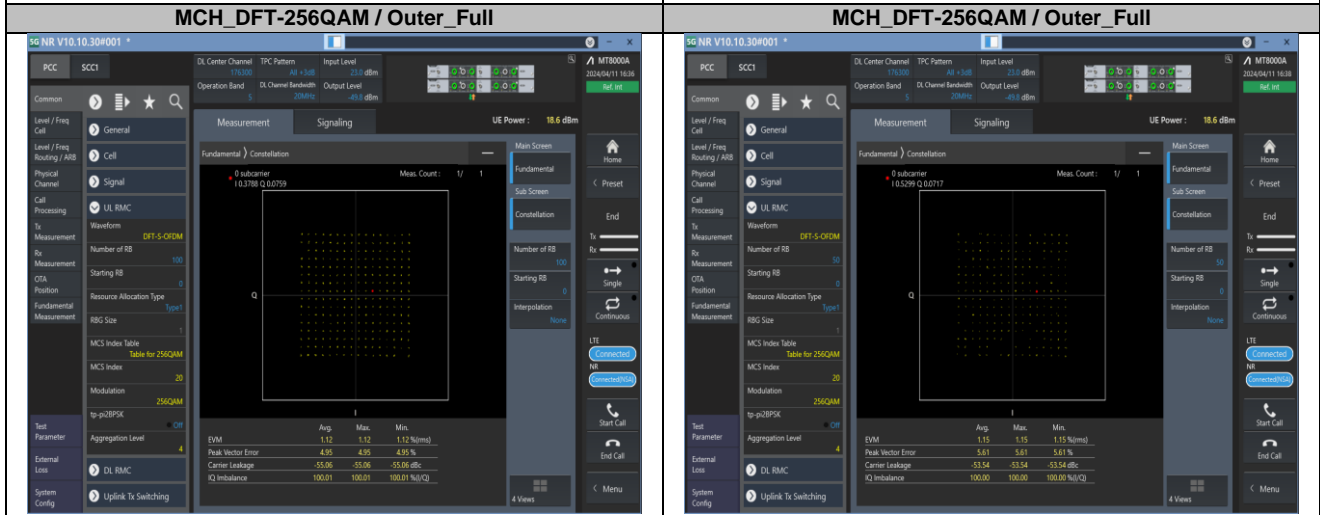
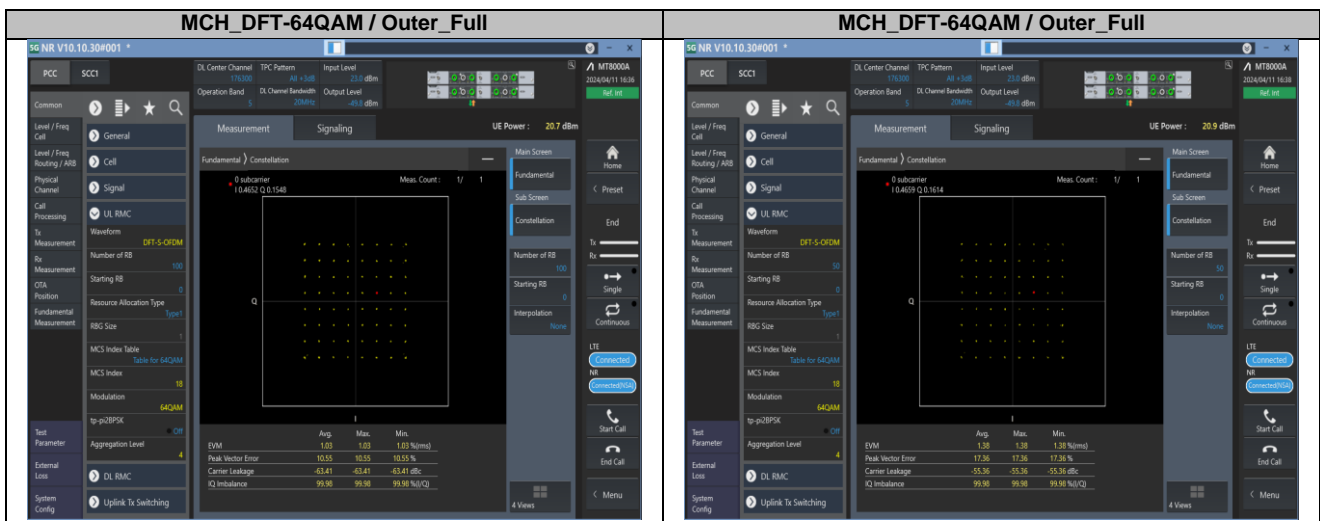
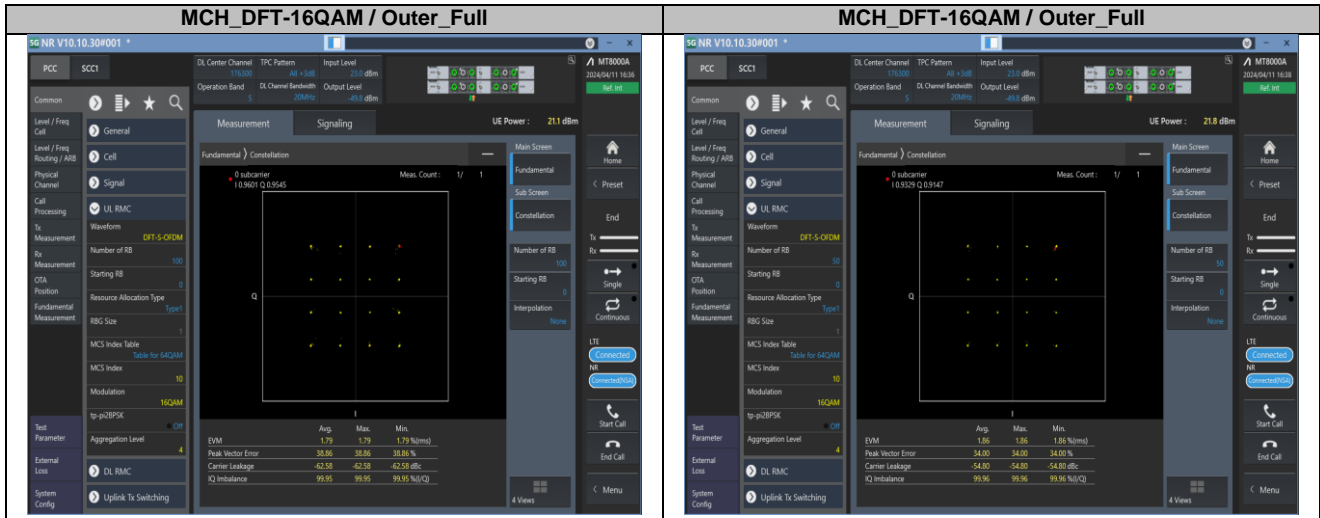




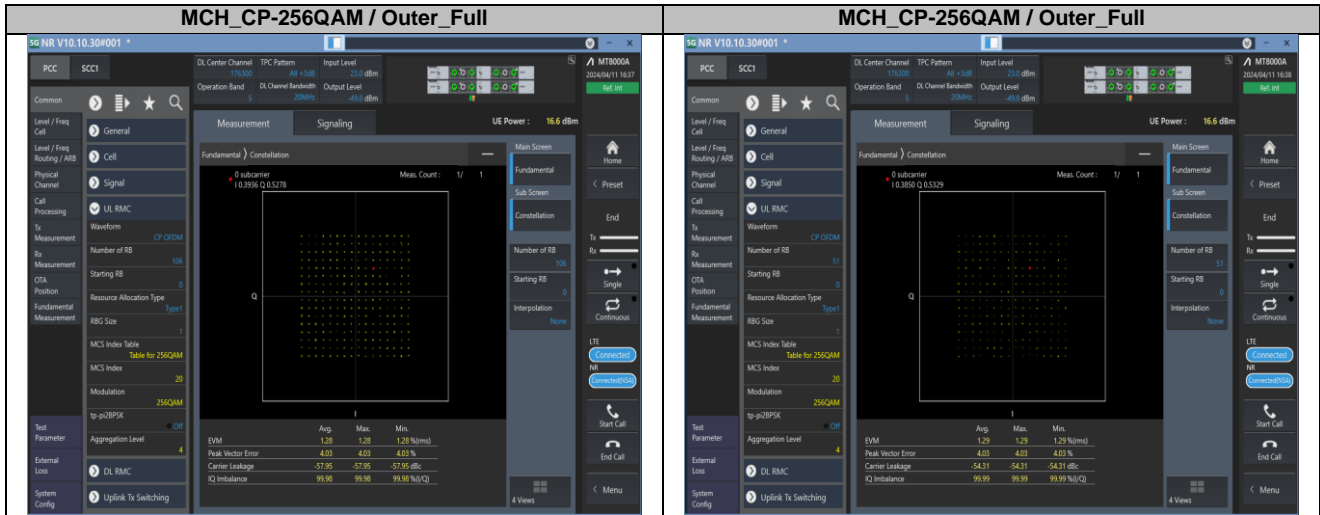
3. Modulation Characteristics

3.1. Test Plots







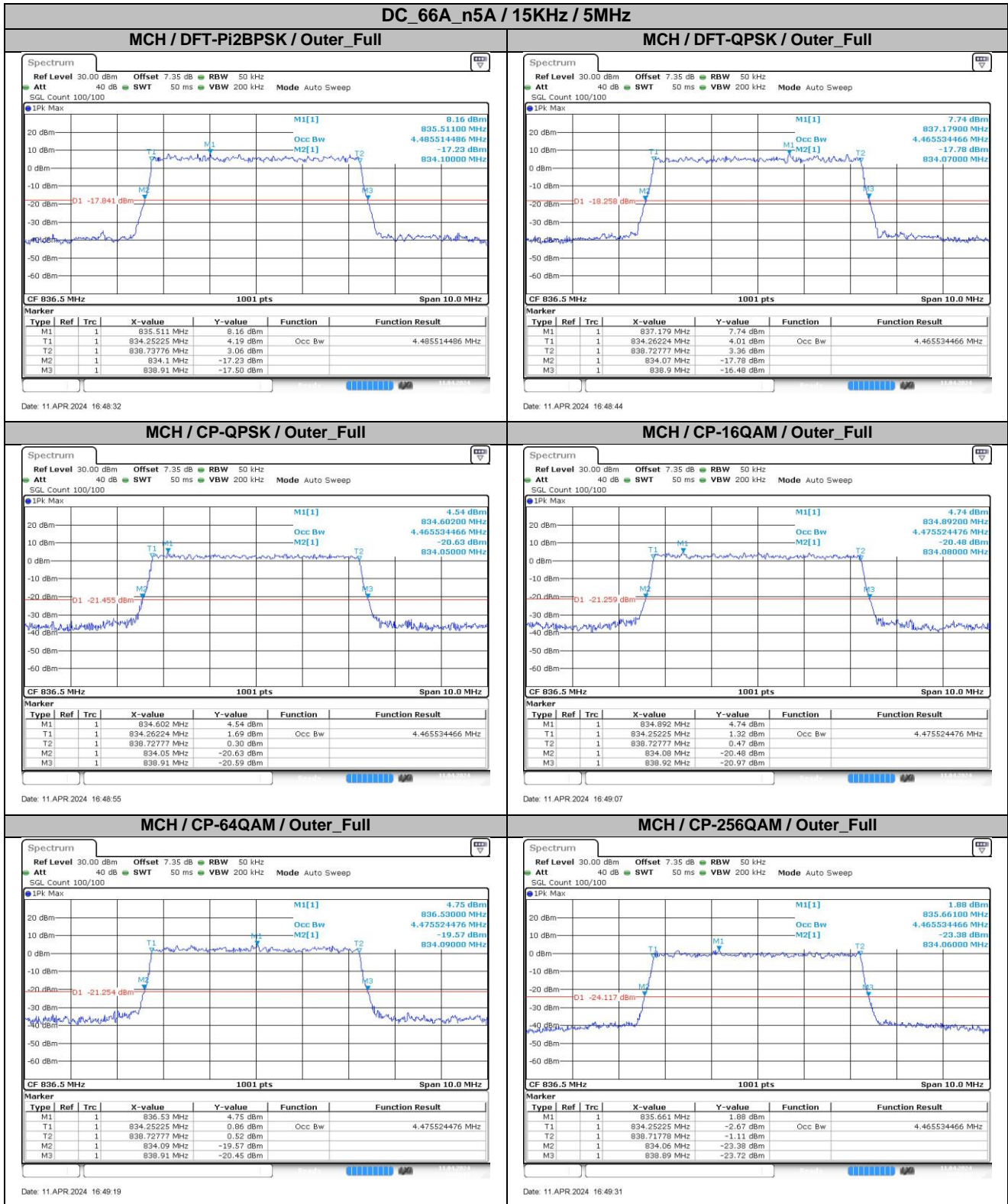


4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

4.1. Test Results

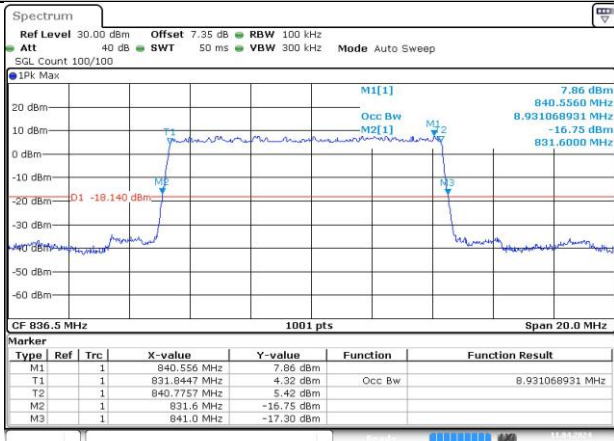
Bandwidth	Modulation	RB Config	99% Occupied Bandwidth (MHz)		26dB Emission Bandwidth (MHz)		Verdict
			15KHz	30KHz	15KHz	30KHz	
5MHz	DFT-Pi2BPSK	Outer_Full	4.49	N/A	4.81	N/A	Pass
5MHz	DFT-QPSK	Outer_Full	4.47	N/A	4.83	N/A	Pass
5MHz	CP-QPSK	Outer_Full	4.47	N/A	4.86	N/A	Pass
5MHz	CP-16QAM	Outer_Full	4.48	N/A	4.84	N/A	Pass
5MHz	CP-64QAM	Outer_Full	4.48	N/A	4.82	N/A	Pass
5MHz	CP-256QAM	Outer_Full	4.47	N/A	4.83	N/A	Pass
10MHz	DFT-Pi2BPSK	Outer_Full	8.93	8.59	9.40	9.26	Pass
10MHz	DFT-QPSK	Outer_Full	8.93	8.57	9.42	9.32	Pass
10MHz	CP-QPSK	Outer_Full	9.27	8.61	9.76	9.32	Pass
10MHz	CP-16QAM	Outer_Full	9.27	8.59	9.80	9.30	Pass
10MHz	CP-64QAM	Outer_Full	9.29	8.61	9.76	9.36	Pass
10MHz	CP-256QAM	Outer_Full	9.27	8.57	9.78	9.32	Pass
15MHz	DFT-Pi2BPSK	Outer_Full	13.43	12.89	14.07	13.71	Pass
15MHz	DFT-QPSK	Outer_Full	13.40	12.89	14.07	13.77	Pass
15MHz	CP-QPSK	Outer_Full	14.09	13.64	14.82	14.61	Pass
15MHz	CP-16QAM	Outer_Full	14.12	13.64	14.82	14.55	Pass
15MHz	CP-64QAM	Outer_Full	14.12	13.61	14.82	14.49	Pass
15MHz	CP-256QAM	Outer_Full	14.15	13.61	14.88	14.49	Pass
20MHz	DFT-Pi2BPSK	Outer_Full	17.90	17.86	18.64	18.88	Pass
20MHz	DFT-QPSK	Outer_Full	17.86	17.86	18.64	18.80	Pass
20MHz	CP-QPSK	Outer_Full	18.90	18.18	19.72	19.24	Pass
20MHz	CP-16QAM	Outer_Full	18.90	18.22	19.72	19.20	Pass
20MHz	CP-64QAM	Outer_Full	18.94	18.22	19.76	19.20	Pass
20MHz	CP-256QAM	Outer_Full	18.94	18.22	19.72	19.24	Pass

4.2. Test Plots

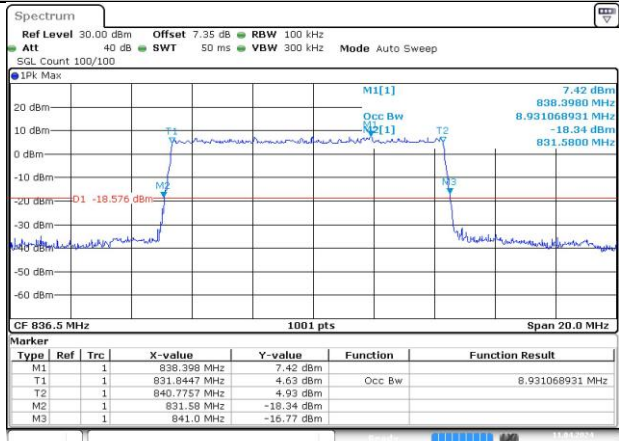


DC_66A_n5A / 15KHz / 10MHz

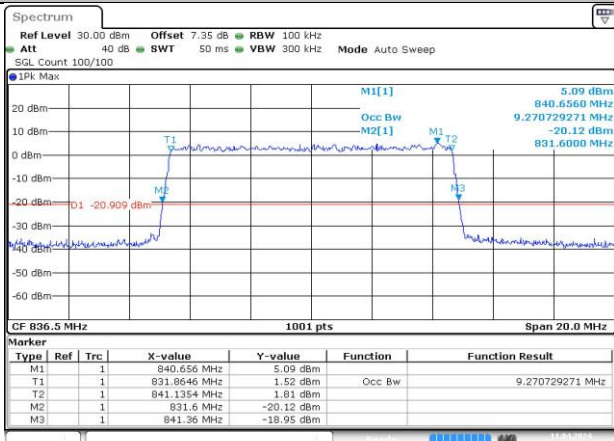
MCH_DFT-Pi2BPSK / Outer_Full



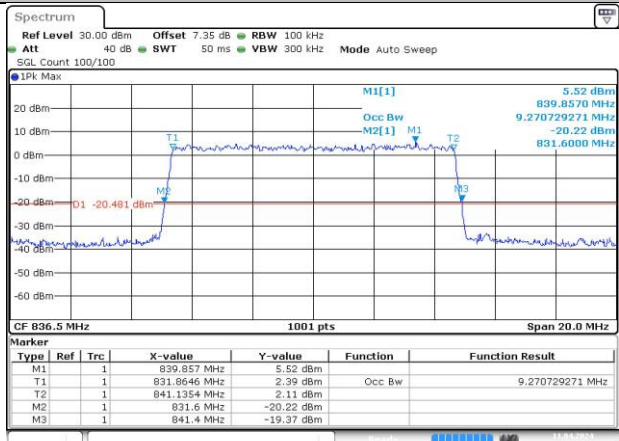
MCH_DFT-QPSK / Outer_Full



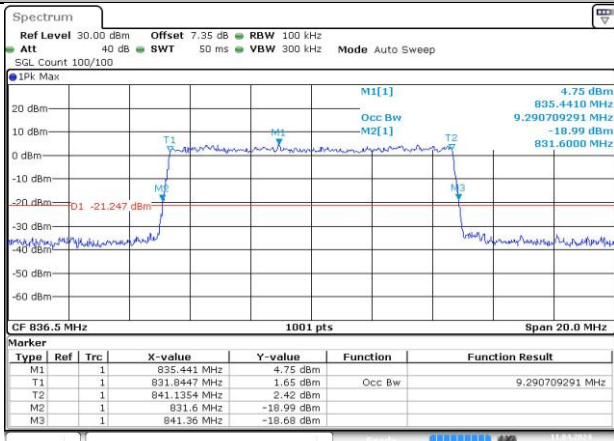
MCH_CP-QPSK / Outer_Full



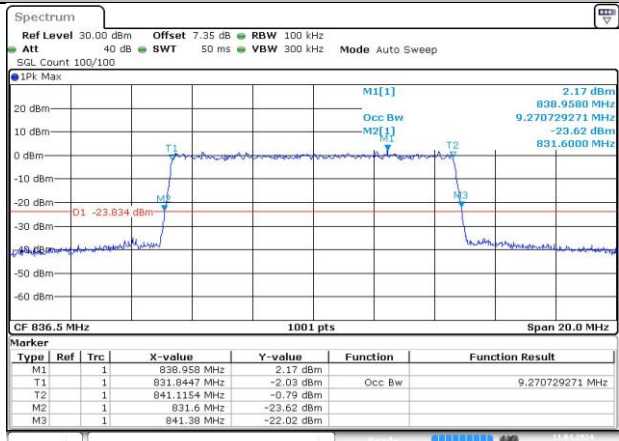
MCH_CP-16QAM / Outer_Full



MCH_CP-64QAM / Outer_Full

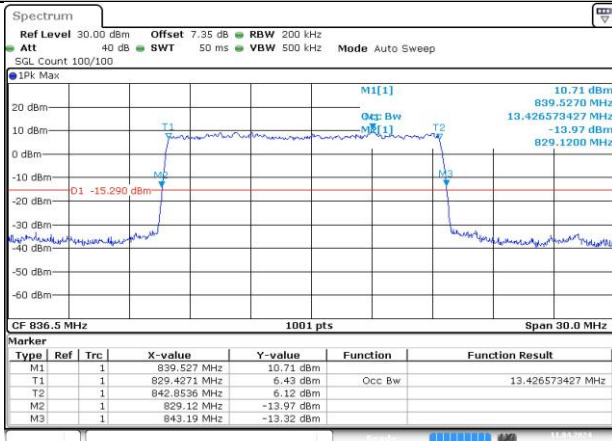


MCH_CP-256QAM / Outer_Full



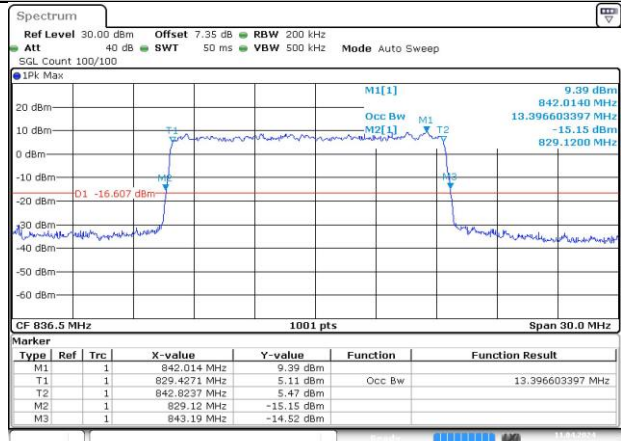
DC_66A_n5A / 15KHz / 15MHz

MCH_DFT-Pi2BPSK / Outer_Full



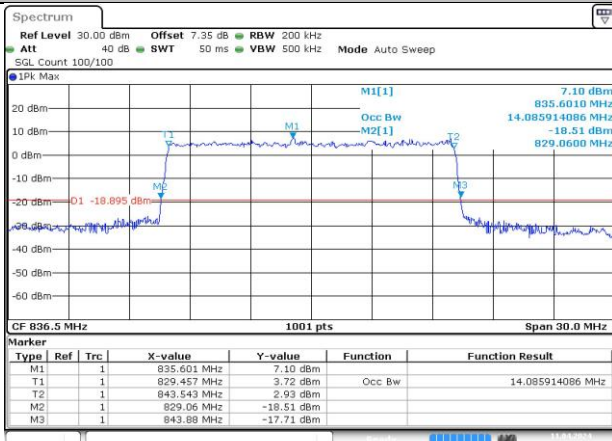
Date: 11.APR.2024 16:51:04

MCH_DFT-QPSK / Outer_Full



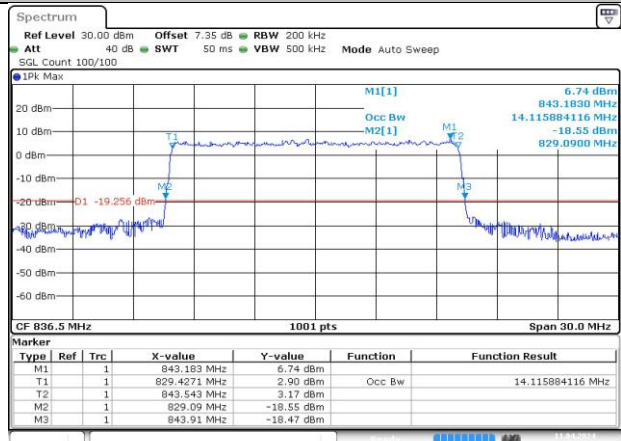
Date: 11.APR.2024 16:51:17

MCH_CP-QPSK / Outer_Full



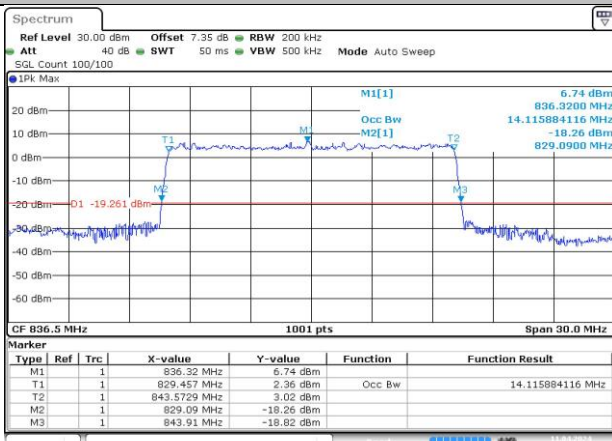
Date: 11.APR.2024 16:51:29

MCH_CP-16QAM / Outer_Full



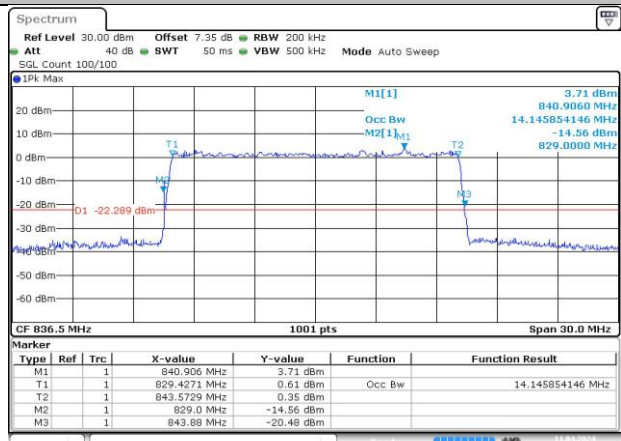
Date: 11.APR.2024 16:51:41

MCH_CP-64QAM / Outer_Full



Date: 11.APR.2024 16:51:54

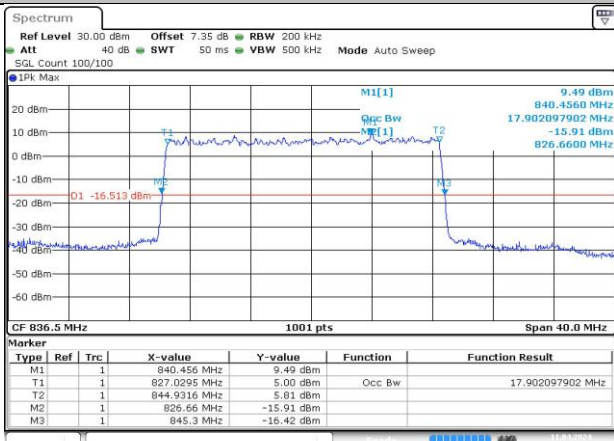
MCH_CP-256QAM / Outer_Full



Date: 11.APR.2024 16:52:07

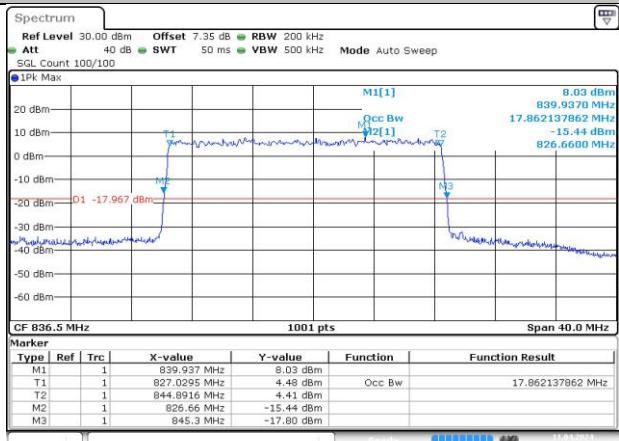
DC_66A_n5A / 15KHz / 20MHz

MCH_DFT-Pi2BPSK / Outer_Full



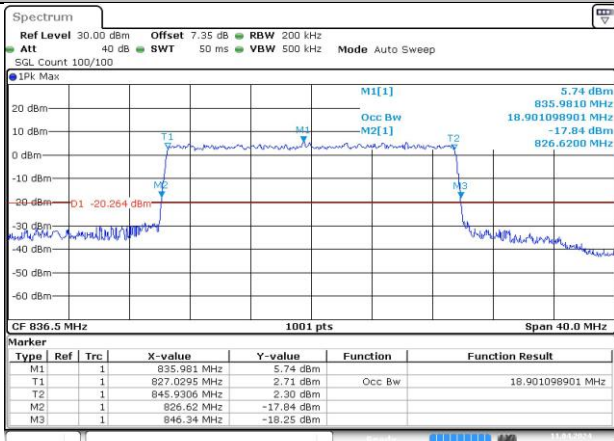
Date: 11.APR 2024 16:52:24

MCH_DFT-QPSK / Outer_Full



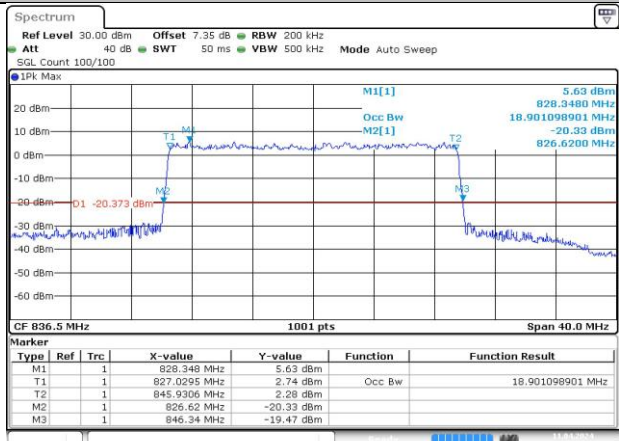
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MCH_CP-QPSK / Outer_Full



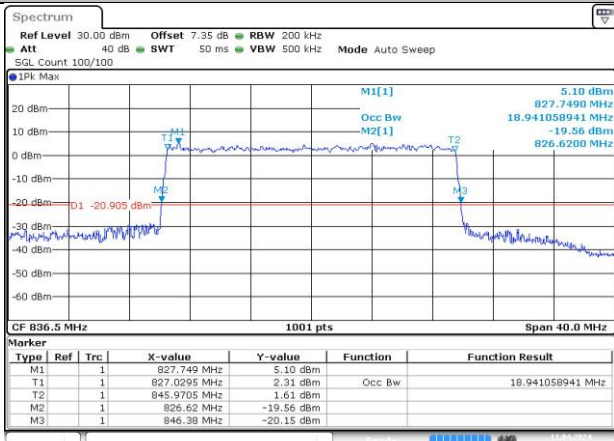
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MCH_CP-16QAM / Outer_Full



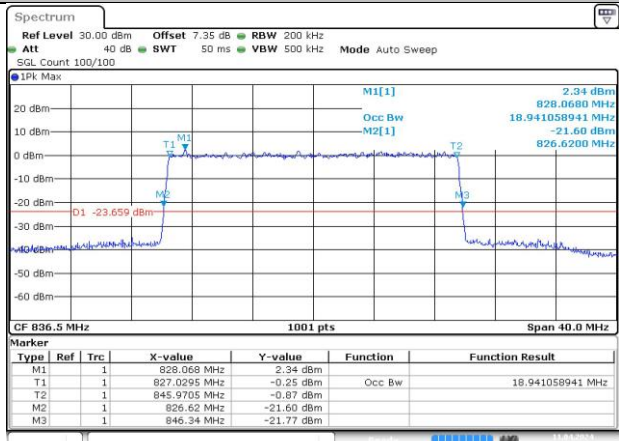
Date: 11.APR 2024 16:53:03

MCH_CP-64QAM / Outer_Full



Date: 11.APR 2024 16:53:16

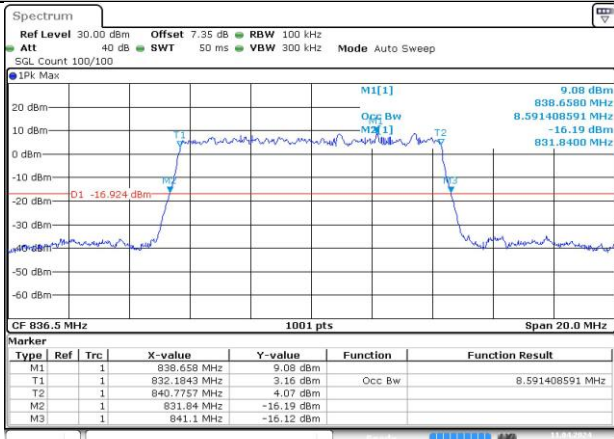
MCH_CP-256QAM / Outer_Full



Date: 11.APR 2024 16:53:30

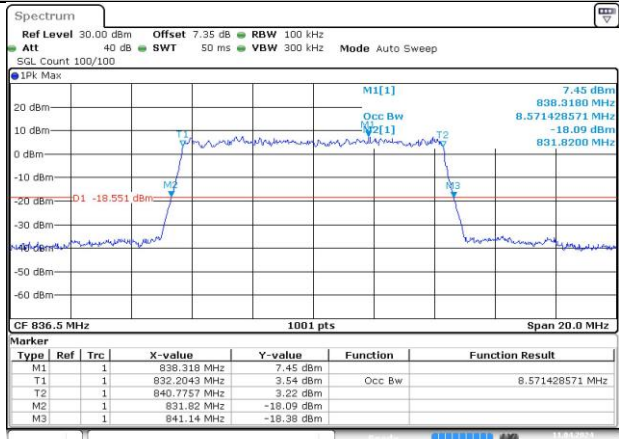
DC_66A_n5A / 30KHz / 10MHz

MCH_DFT-Pi2BPSK / Outer_Full



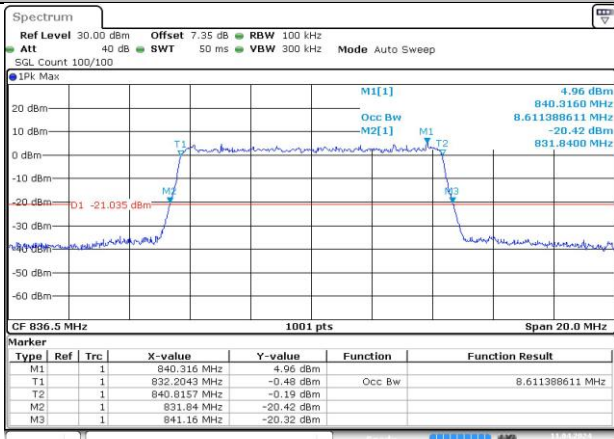
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MCH_DFT-QPSK / Outer_Full



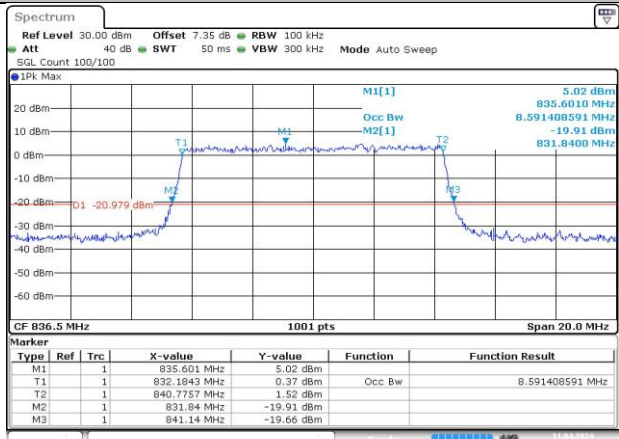
Date: 11.APR 2024 16:54:13

MCH_CP-QPSK / Outer_Full



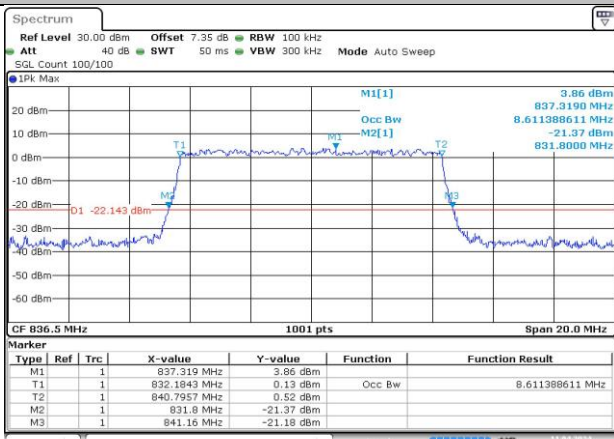
Date: 11.APR 2024 16:54:24

MCH_CP-16QAM / Outer_Full



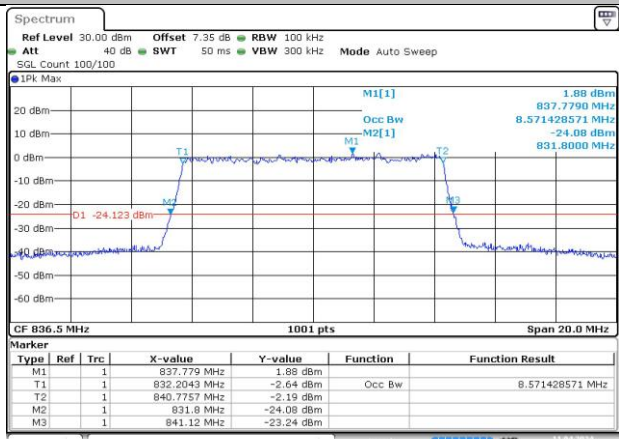
Date: 11.APR 2024 16:54:36

MCH_CP-64QAM / Outer_Full



Date: 11.APR 2024 16:54:48

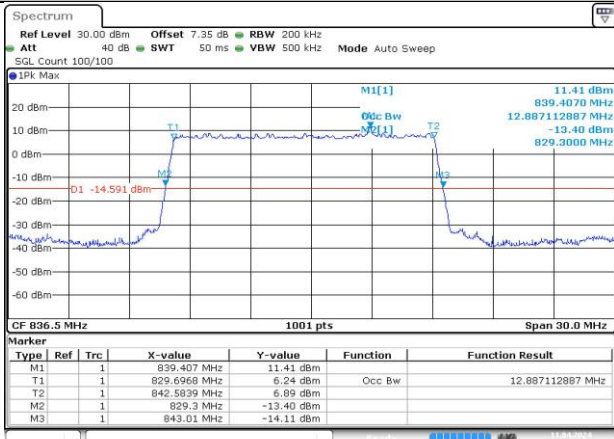
MCH_CP-256QAM / Outer_Full



Date: 11.APR 2024 16:55:01

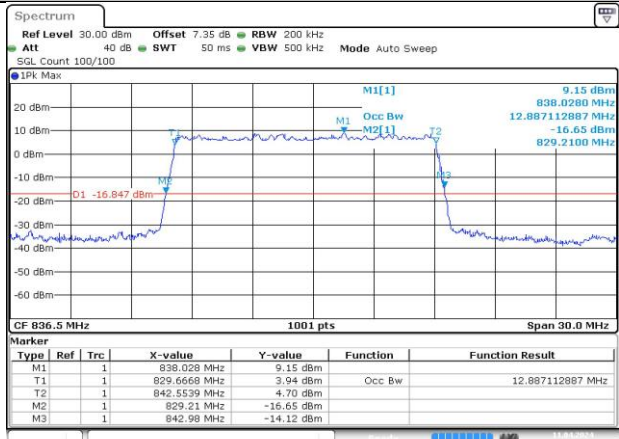
DC_66A_n5A / 30KHz / 15MHz

MCH_DFT-Pi2BPSK / Outer_Full



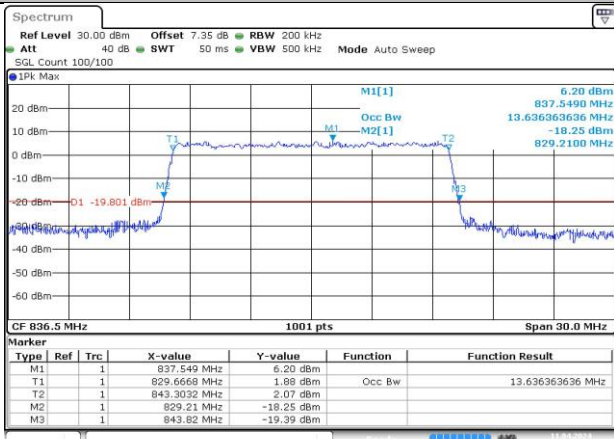
Date: 11.APR.2024 16:55:17

MCH_DFT-QPSK / Outer_Full



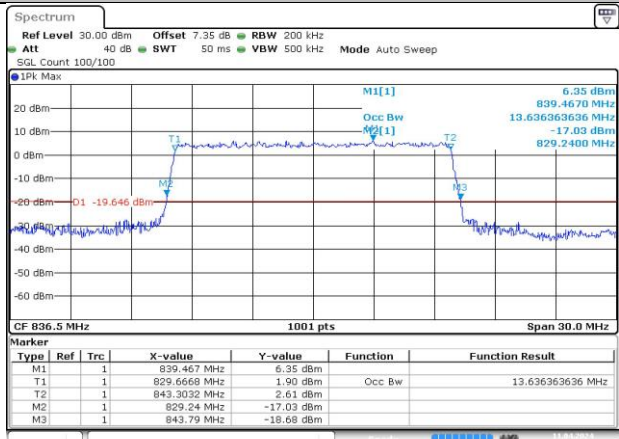
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MCH_CP-QPSK / Outer_Full



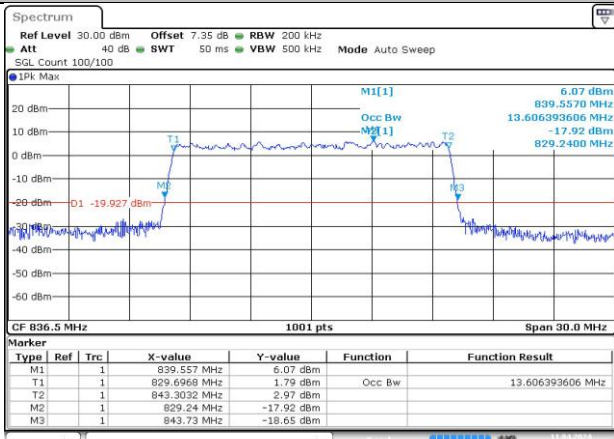
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MCH_CP-16QAM / Outer_Full



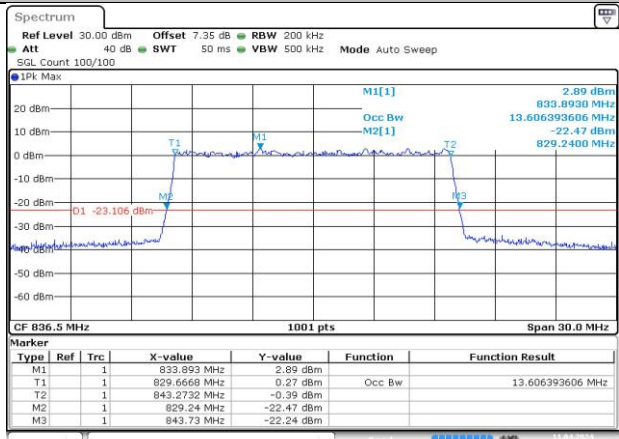
Date: 11.APR.2024 16:55:56

MCH_CP-64QAM / Outer_Full



Date: 11.APR.2024 16:56:09

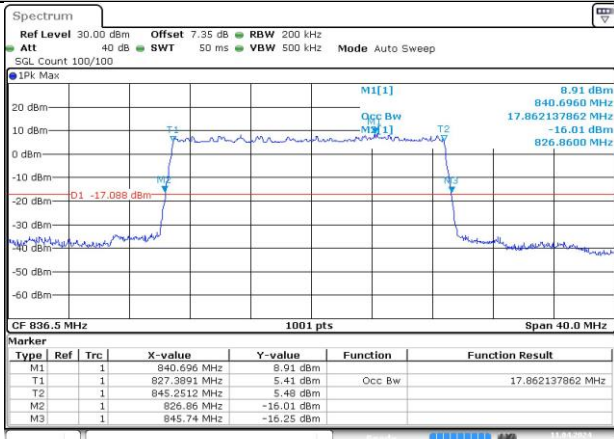
MCH_CP-256QAM / Outer_Full



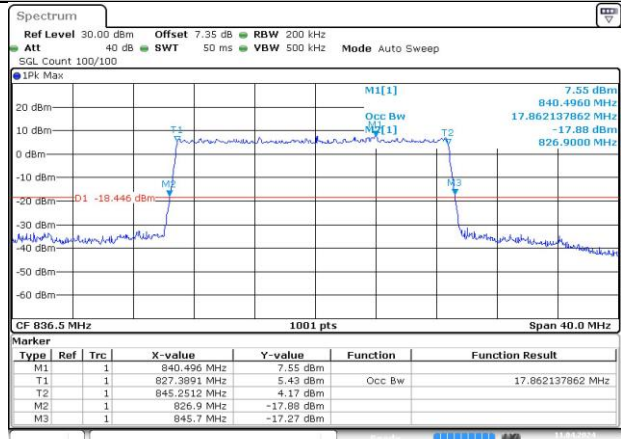
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DC_66A_n5A / 30KHz / 20MHz

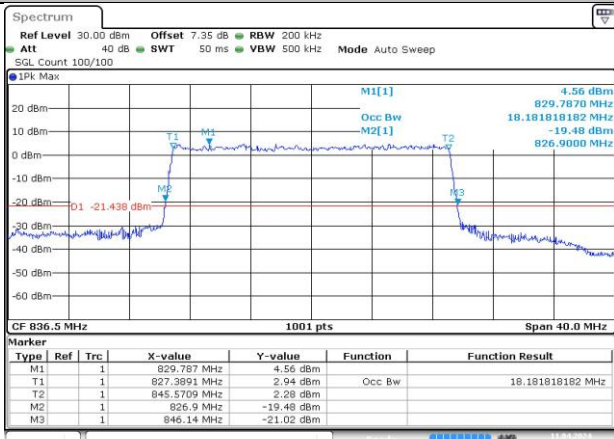
MCH_DFT-Pi2BPSK / Outer_Full



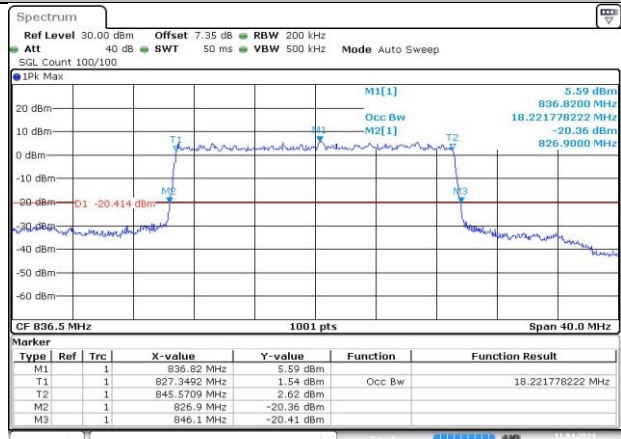
MCH_DFT-QPSK / Outer_Full



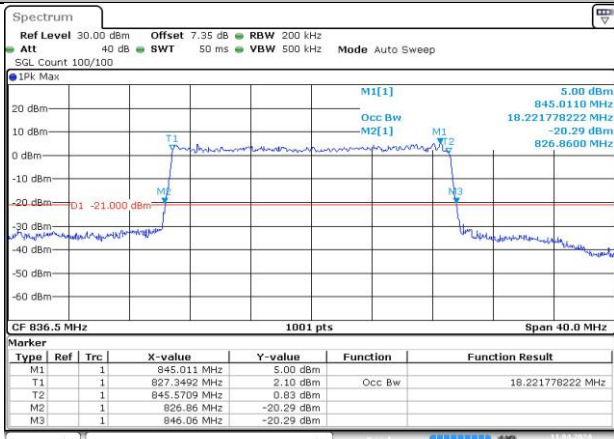
MCH_CP-QPSK / Outer_Full



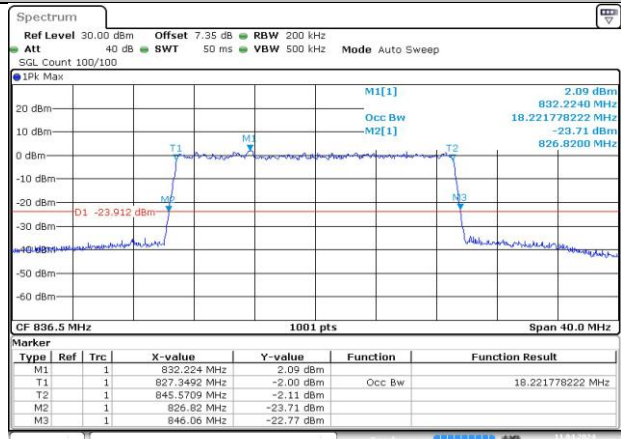
MCH_CP-16QAM / Outer_Full



MCH_CP-64QAM / Outer_Full



MCH_CP-256QAM / Outer_Full



5. Conducted Band Edges

5.1. Test Plots

