

Appendix for n5A (824-849)

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1. Effective Radiated Power

1.1. Test Results @ Ant0 (Antenna Gain=-3.80dBi)

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	23.06	23.05	23.22	17.27	38.45	Pass
15KHz	5MHz	LCH	DFT-QPSK	23.05	23.01	23.22	17.27	38.45	Pass
15KHz	5MHz	LCH	DFT-16QAM	22.54	22.46	22.24	16.59	38.45	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.91	20.90	20.81	14.96	38.45	Pass
15KHz	5MHz	LCH	DFT-256QAM	18.73	18.75	18.82	12.87	38.45	Pass
15KHz	5MHz	LCH	CP-QPSK	21.66	21.58	21.73	15.78	38.45	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	22.89	23.13	23.12	17.18	38.45	Pass
15KHz	5MHz	MCH	DFT-QPSK	22.76	23.01	23.14	17.19	38.45	Pass
15KHz	5MHz	MCH	DFT-16QAM	22.29	22.63	22.17	16.68	38.45	Pass
15KHz	5MHz	MCH	DFT-64QAM	20.69	20.87	20.75	14.92	38.45	Pass
15KHz	5MHz	MCH	DFT-256QAM	18.62	18.80	18.75	12.85	38.45	Pass
15KHz	5MHz	MCH	CP-QPSK	21.43	21.78	21.70	15.83	38.45	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	23.09	23.05	23.15	17.20	38.45	Pass
15KHz	5MHz	HCH	DFT-QPSK	23.03	23.02	23.17	17.22	38.45	Pass
15KHz	5MHz	HCH	DFT-16QAM	22.53	22.51	22.18	16.58	38.45	Pass
15KHz	5MHz	HCH	DFT-64QAM	20.85	20.90	20.77	14.95	38.45	Pass
15KHz	5MHz	HCH	DFT-256QAM	18.74	18.77	18.79	12.84	38.45	Pass
15KHz	5MHz	HCH	CP-QPSK	21.67	21.58	21.68	15.73	38.45	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	23.18	23.06	23.18	17.23	38.45	Pass
15KHz	10MHz	LCH	DFT-QPSK	23.04	22.92	23.17	17.22	38.45	Pass
15KHz	10MHz	LCH	DFT-16QAM	22.57	22.49	22.26	16.62	38.45	Pass
15KHz	10MHz	LCH	DFT-64QAM	21.03	20.91	20.84	15.08	38.45	Pass
15KHz	10MHz	LCH	DFT-256QAM	18.84	18.70	18.73	12.89	38.45	Pass
15KHz	10MHz	LCH	CP-QPSK	21.70	21.57	21.71	15.76	38.45	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	23.09	23.13	23.10	17.18	38.45	Pass
15KHz	10MHz	MCH	DFT-QPSK	22.99	23.07	23.07	17.12	38.45	Pass
15KHz	10MHz	MCH	DFT-16QAM	22.49	22.71	22.25	16.76	38.45	Pass
15KHz	10MHz	MCH	DFT-64QAM	21.01	21.11	20.76	15.16	38.45	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.78	18.91	18.68	12.96	38.45	Pass
15KHz	10MHz	MCH	CP-QPSK	21.61	21.77	21.68	15.82	38.45	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	23.20	23.12	23.20	17.25	38.45	Pass
15KHz	10MHz	HCH	DFT-QPSK	23.06	23.02	23.20	17.25	38.45	Pass
15KHz	10MHz	HCH	DFT-16QAM	22.65	22.50	22.35	16.70	38.45	Pass
15KHz	10MHz	HCH	DFT-64QAM	21.15	20.98	20.91	15.20	38.45	Pass
15KHz	10MHz	HCH	DFT-256QAM	18.95	18.71	18.82	13.00	38.45	Pass
15KHz	10MHz	HCH	CP-QPSK	21.75	21.54	21.76	15.81	38.45	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	23.18	23.20	23.17	17.25	38.45	Pass
15KHz	15MHz	LCH	DFT-QPSK	23.08	23.10	23.19	17.24	38.45	Pass
15KHz	15MHz	LCH	DFT-16QAM	22.58	22.67	22.24	16.72	38.45	Pass
15KHz	15MHz	LCH	DFT-64QAM	20.88	21.09	20.75	15.14	38.45	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.88	18.88	18.71	12.93	38.45	Pass
15KHz	15MHz	LCH	CP-QPSK	21.74	21.83	21.71	15.88	38.45	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	23.04	23.17	23.10	17.22	38.45	Pass
15KHz	15MHz	MCH	DFT-QPSK	23.00	23.02	23.12	17.17	38.45	Pass
15KHz	15MHz	MCH	DFT-16QAM	22.52	22.66	22.25	16.71	38.45	Pass
15KHz	15MHz	MCH	DFT-64QAM	21.00	21.12	20.74	15.17	38.45	Pass
15KHz	15MHz	MCH	DFT-256QAM	18.77	18.93	18.69	12.98	38.45	Pass
15KHz	15MHz	MCH	CP-QPSK	21.71	21.81	21.72	15.86	38.45	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	22.95	23.17	23.24	17.29	38.45	Pass
15KHz	15MHz	HCH	DFT-QPSK	22.81	23.05	23.24	17.29	38.45	Pass
15KHz	15MHz	HCH	DFT-16QAM	22.36	22.44	22.36	16.49	38.45	Pass
15KHz	15MHz	HCH	DFT-64QAM	20.84	20.93	20.86	14.98	38.45	Pass
15KHz	15MHz	HCH	DFT-256QAM	18.66	18.81	18.82	12.87	38.45	Pass
15KHz	15MHz	HCH	CP-QPSK	21.59	21.70	21.90	15.95	38.45	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	23.18	23.17	23.13	17.23	38.45	Pass
15KHz	20MHz	LCH	DFT-QPSK	23.10	23.03	23.16	17.21	38.45	Pass
15KHz	20MHz	LCH	DFT-16QAM	22.62	22.72	22.20	16.77	38.45	Pass
15KHz	20MHz	LCH	DFT-64QAM	21.11	21.14	20.72	15.19	38.45	Pass
15KHz	20MHz	LCH	DFT-256QAM	18.83	18.90	18.72	12.95	38.45	Pass

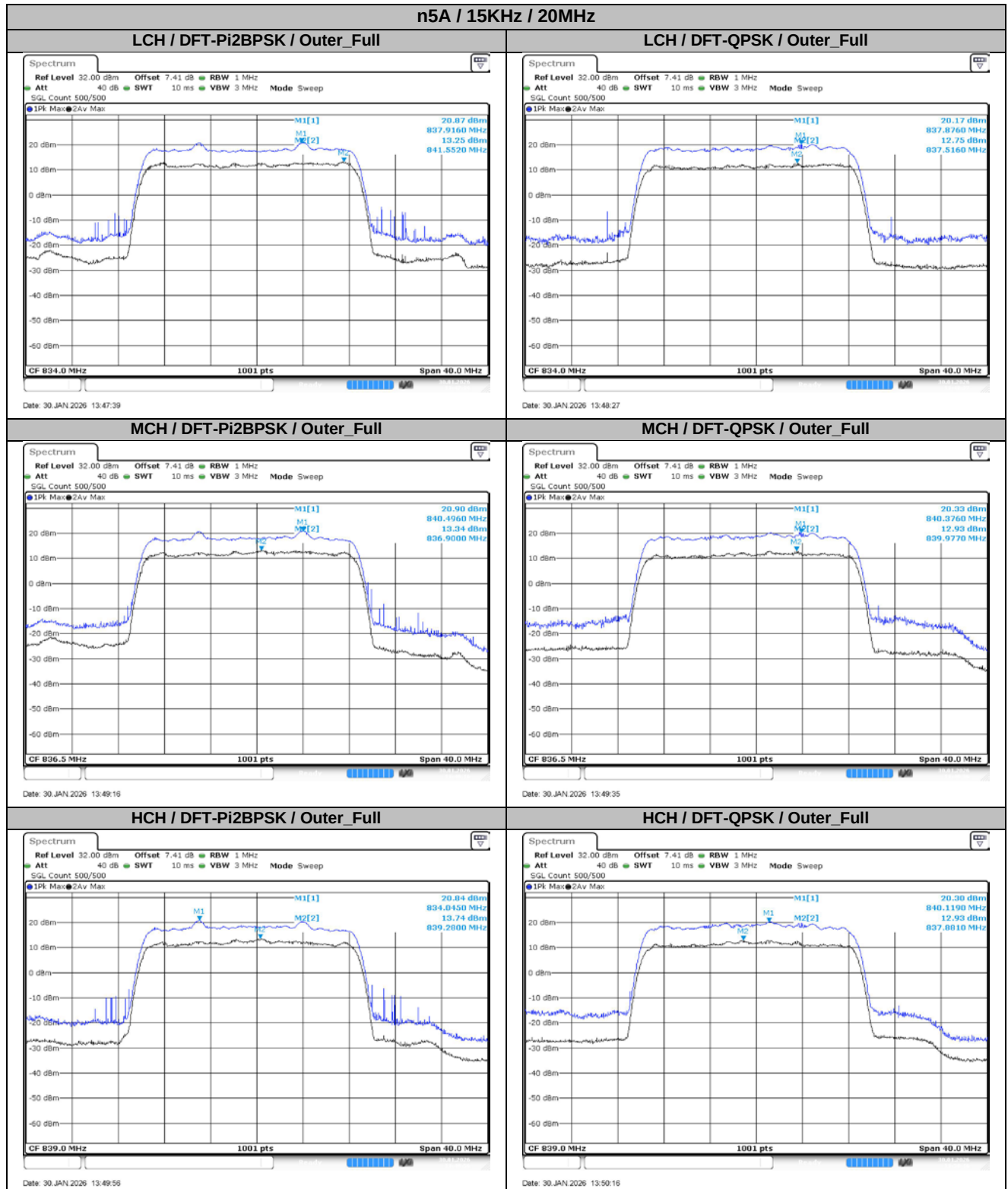
15KHz	20MHz	LCH	CP-QPSK	21.75	21.79	21.74	15.84	38.45	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	23.10	23.06	23.11	17.16	38.45	Pass
15KHz	20MHz	MCH	DFT-QPSK	22.96	23.07	23.16	17.21	38.45	Pass
15KHz	20MHz	MCH	DFT-16QAM	22.41	22.61	22.23	16.66	38.45	Pass
15KHz	20MHz	MCH	DFT-64QAM	20.98	21.09	20.74	15.14	38.45	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.73	18.83	18.73	12.88	38.45	Pass
15KHz	20MHz	MCH	CP-QPSK	21.66	21.64	21.74	15.79	38.45	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	23.14	23.15	23.19	17.24	38.45	Pass
15KHz	20MHz	HCH	DFT-QPSK	23.05	23.06	23.21	17.26	38.45	Pass
15KHz	20MHz	HCH	DFT-16QAM	22.51	22.43	22.27	16.56	38.45	Pass
15KHz	20MHz	HCH	DFT-64QAM	21.06	20.91	20.80	15.11	38.45	Pass
15KHz	20MHz	HCH	DFT-256QAM	18.83	18.76	18.76	12.88	38.45	Pass
15KHz	20MHz	HCH	CP-QPSK	21.70	21.58	21.75	15.80	38.45	Pass

2. Peak-to-Average Ratio

2.1. Test Results

SCS	Bandwidth	Channel	RB	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	20MHz	LCH	Outer_Full	7.62	7.41	13.00	Pass
15KHz	20MHz	MCH	Outer_Full	7.56	7.40	13.00	Pass
15KHz	20MHz	HCH	Outer_Full	7.10	7.37	13.00	Pass

2.2. Test Plots for SCS=15KHz

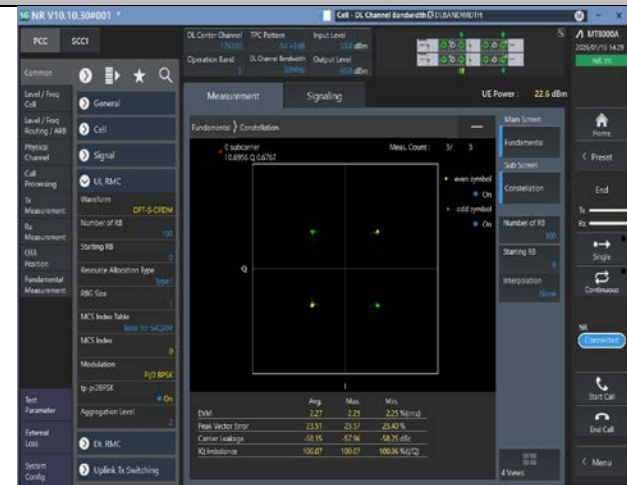


3. Modulation Characteristics

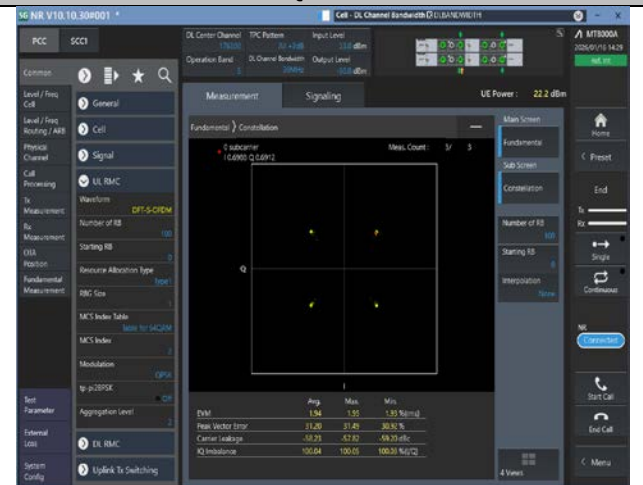
3.1. Test Plots for SCS=15KHz

n5A / 15KHz / 20MHz

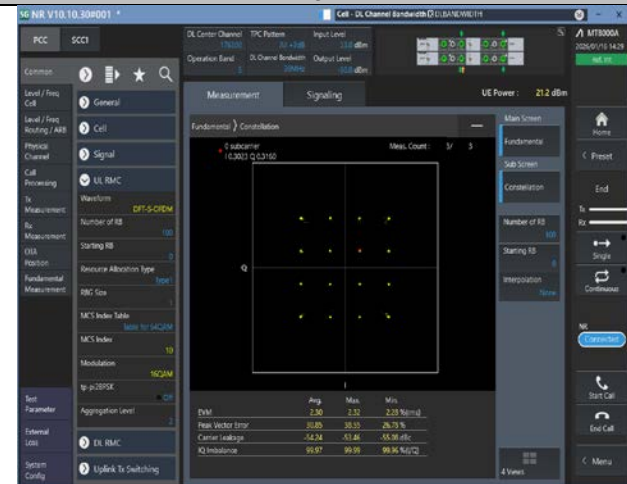
MCH / DFT-Pi2BPSK / Outer_Full



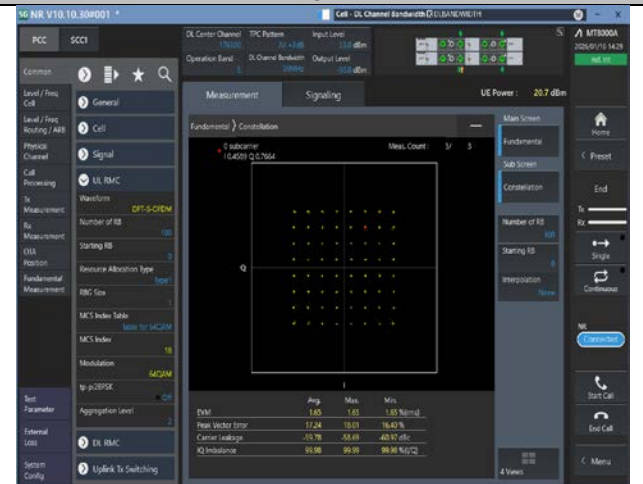
MCH / DFT-QPSK / Outer_Full



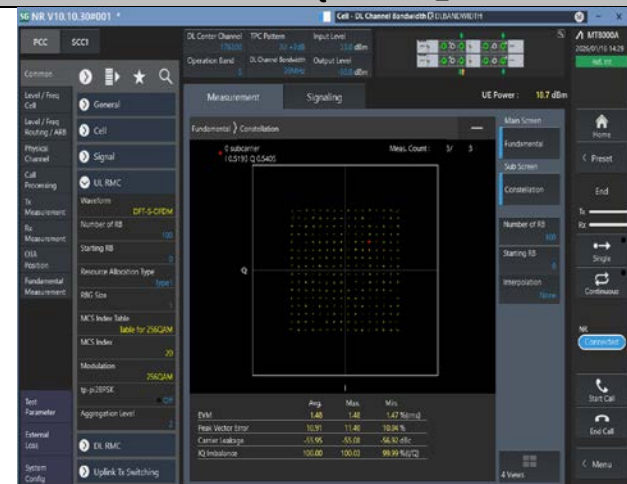
MCH / DFT-16QAM / Outer_Full



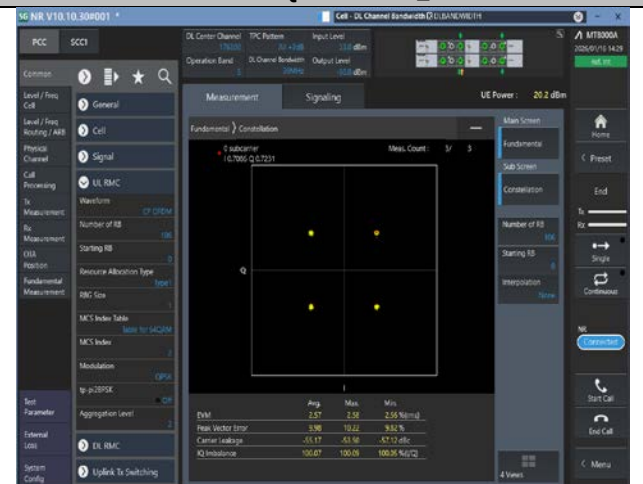
MCH / DFT-64QAM / Outer_Full

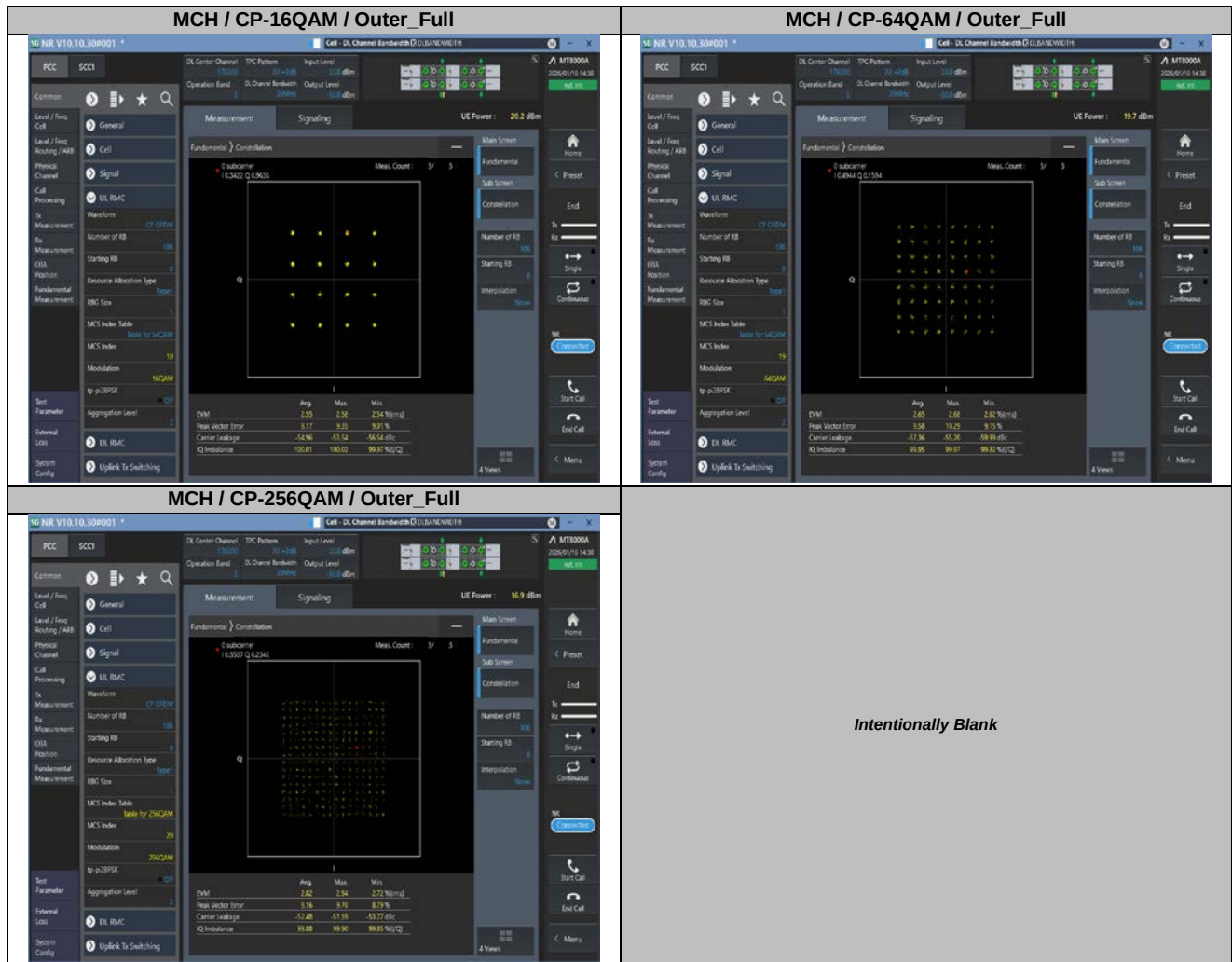


MCH / DFT-256QAM / Outer_Full



MCH / CP-QPSK / Outer_Full





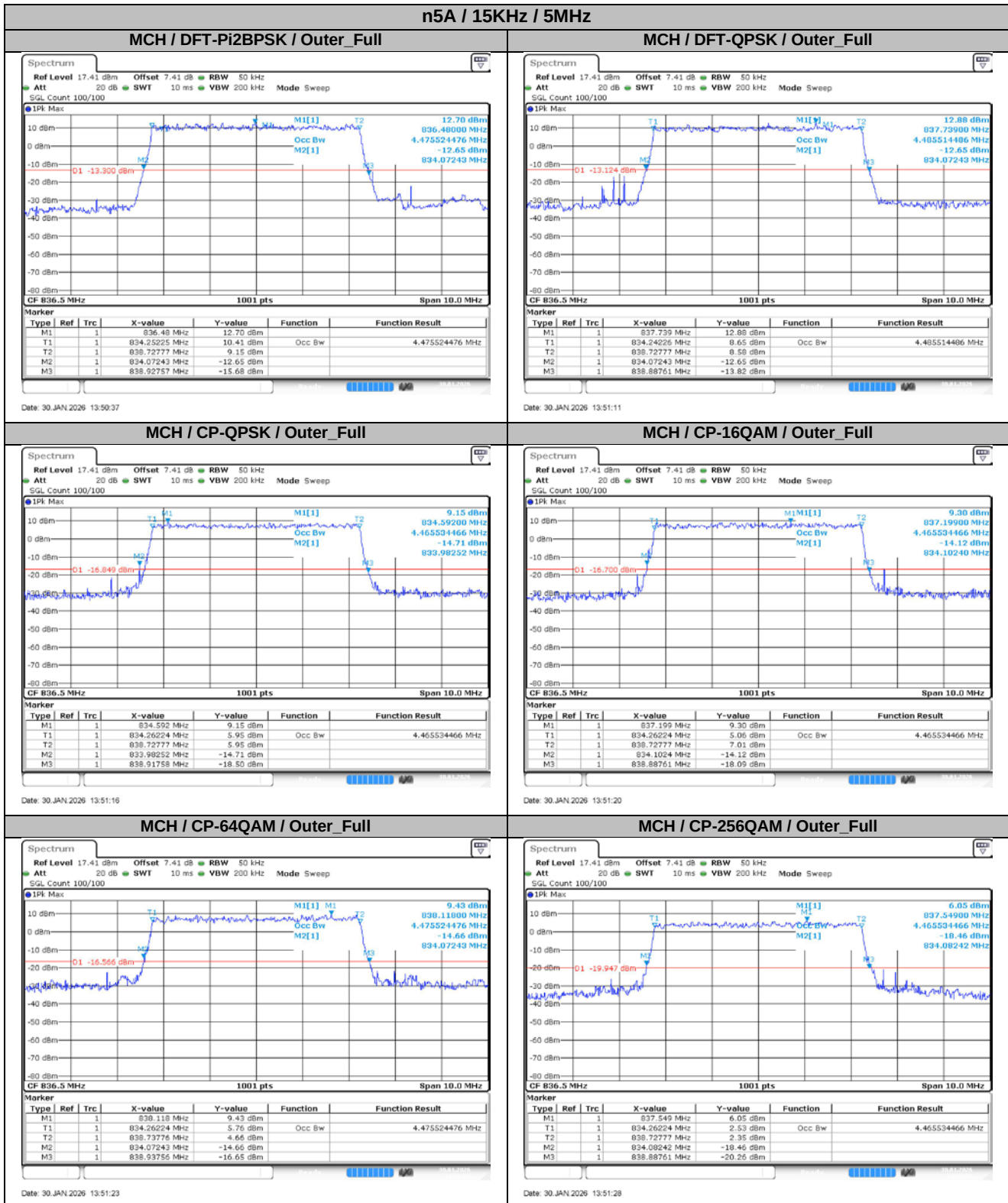
4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

4.1. Test Results

SCS	Bandwidth	Modulation	RB	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.48	4.86	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.49	4.82	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.47	4.94	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.47	4.79	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.48	4.87	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.47	4.81	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.93	9.43	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.91	9.35	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.27	9.77	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.29	9.81	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.27	9.75	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.25	9.73	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.40	14.12	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.40	14.12	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.06	14.81	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.12	14.81	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.12	14.87	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.09	14.75	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.82	18.62	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.82	18.62	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.90	19.66	Pass
15KHz	20MHz	CP-16QAM	Outer_Full	18.86	19.70	Pass

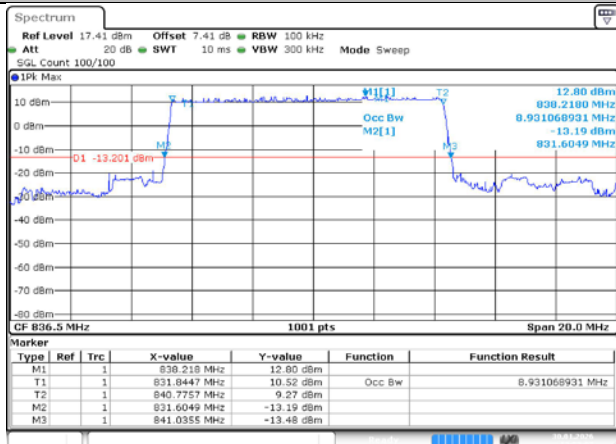
15KHz	20MHz	CP-64QAM	Outer_Full	18.90	19.74	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	18.82	19.74	Pass

4.2. Test Plots for SCS=15KHz



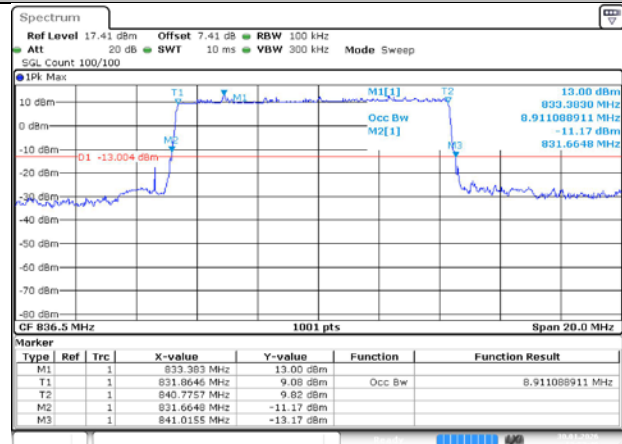
n5A / 15KHz / 10MHz

MCH / DFT-Pi2BPSK / Outer_Full



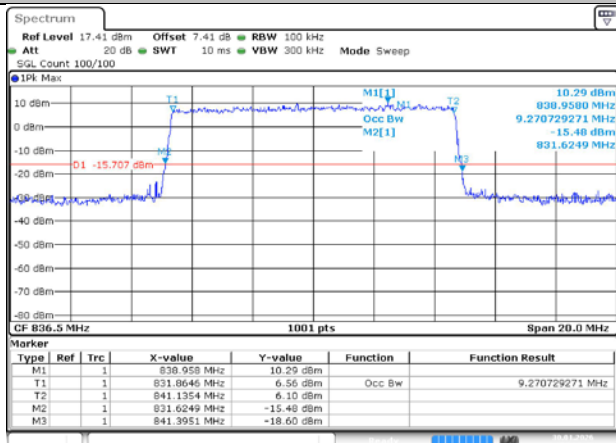
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MCH / DFT-QPSK / Outer_Full



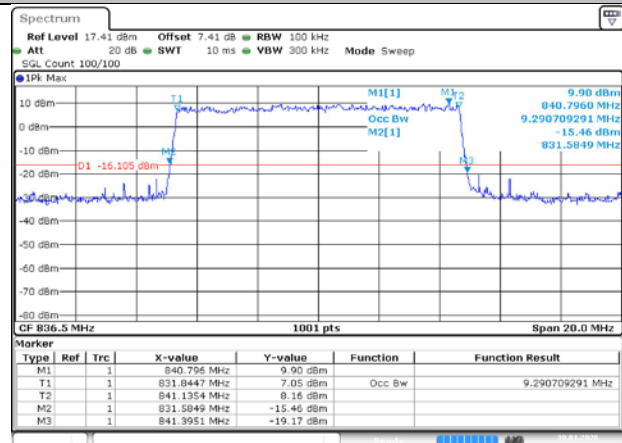
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MCH / CP-QPSK / Outer_Full



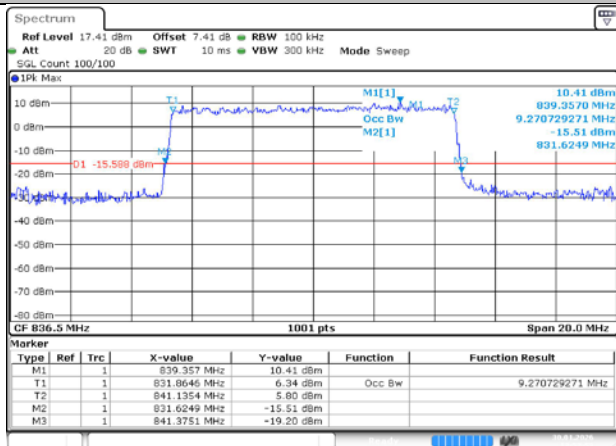
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MCH / CP-16QAM / Outer_Full



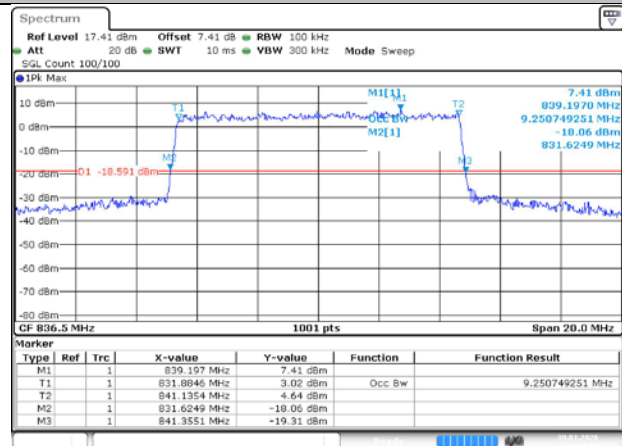
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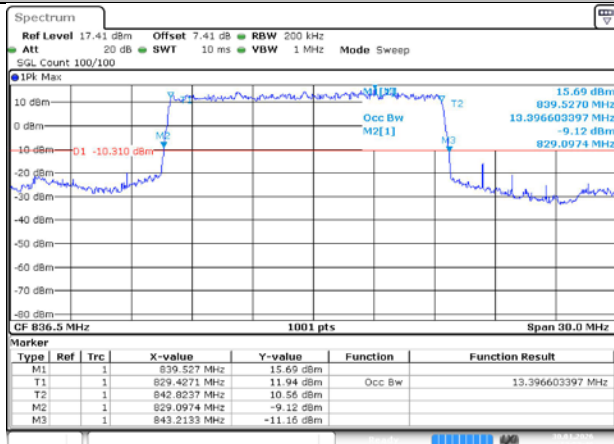
MCH / CP-256QAM / Outer_Full



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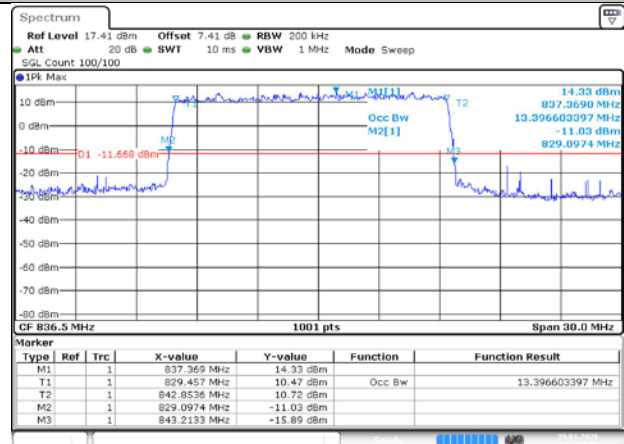
n5A / 15KHz / 15MHz

MCH / DFT-Pi2BPSK / Outer_Full



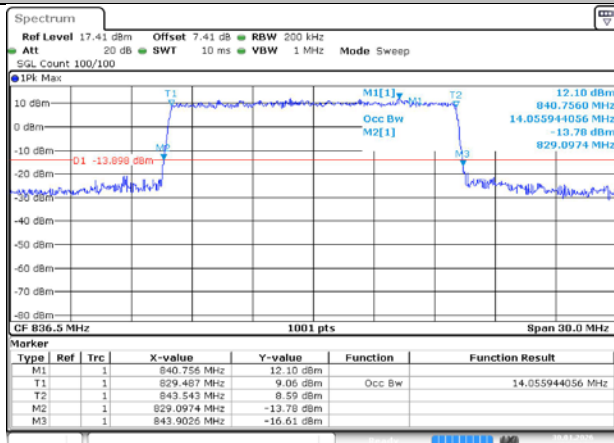
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MCH / DFT-QPSK / Outer_Full



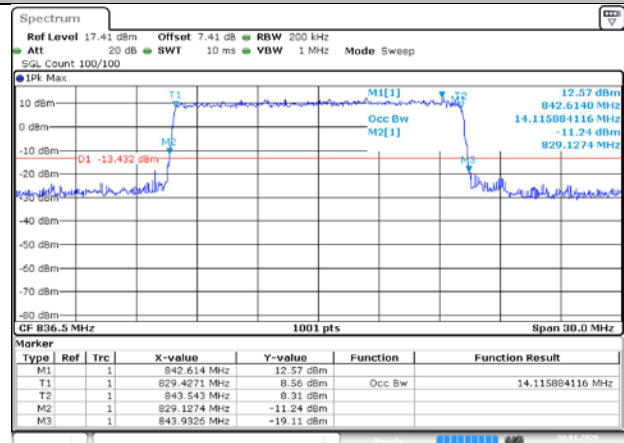
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MCH / CP-QPSK / Outer_Full



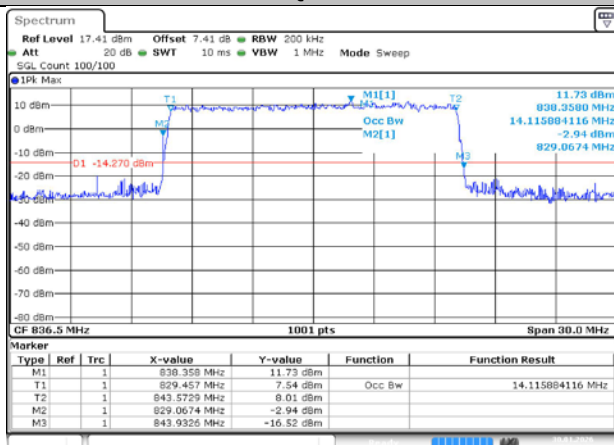
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MCH / CP-16QAM / Outer_Full



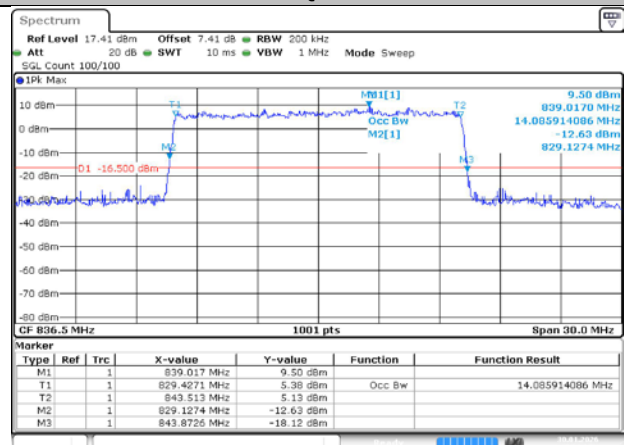
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MCH / CP-64QAM / Outer_Full



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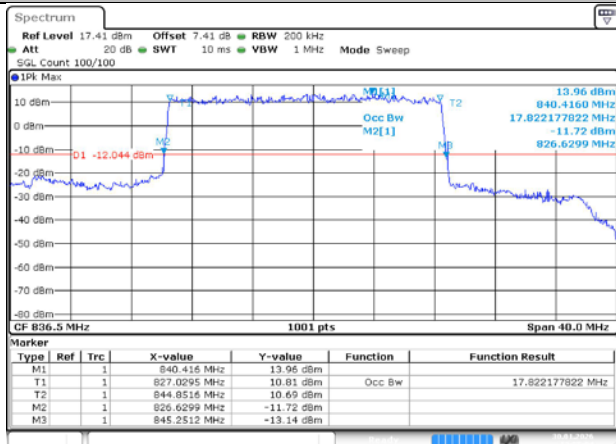
MCH / CP-256QAM / Outer_Full



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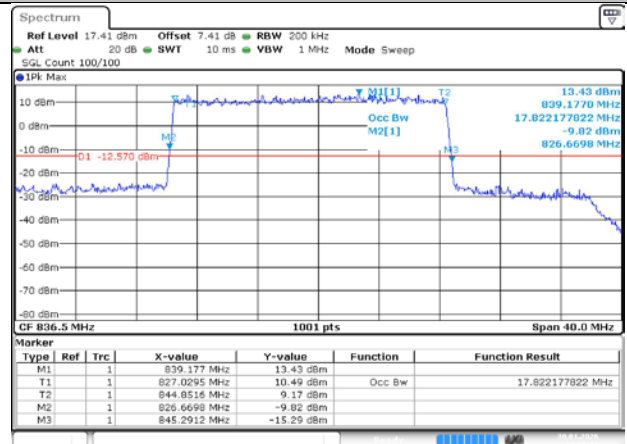
n5A / 15KHz / 20MHz

MCH / DFT-Pi2BPSK / Outer_Full



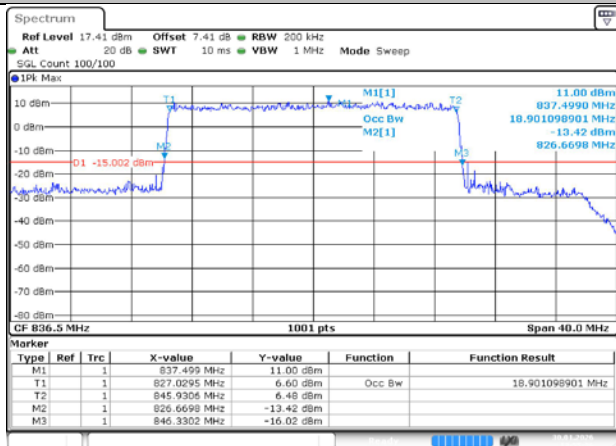
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MCH / DFT-QPSK / Outer_Full



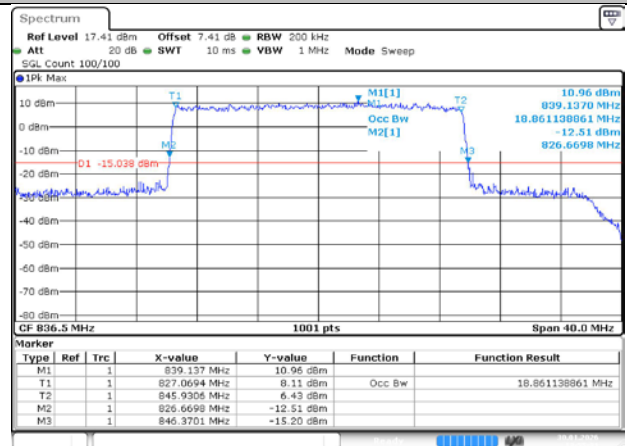
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MCH / CP-QPSK / Outer_Full



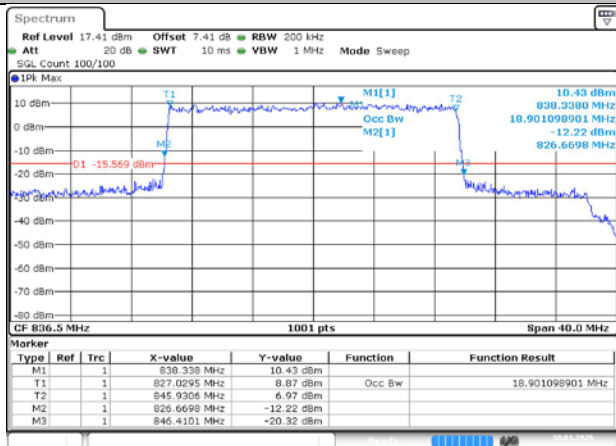
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MCH / CP-16QAM / Outer_Full



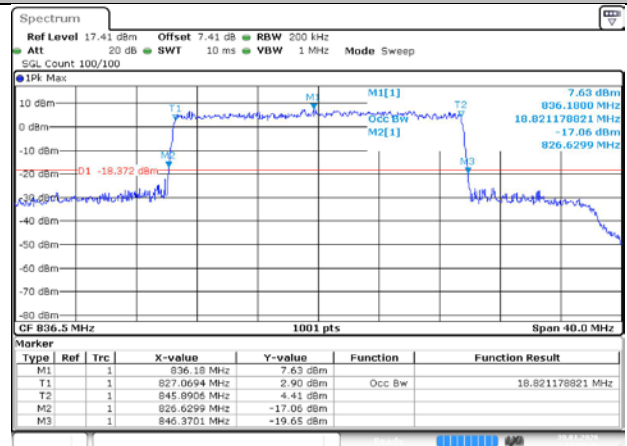
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MCH / CP-64QAM / Outer_Full



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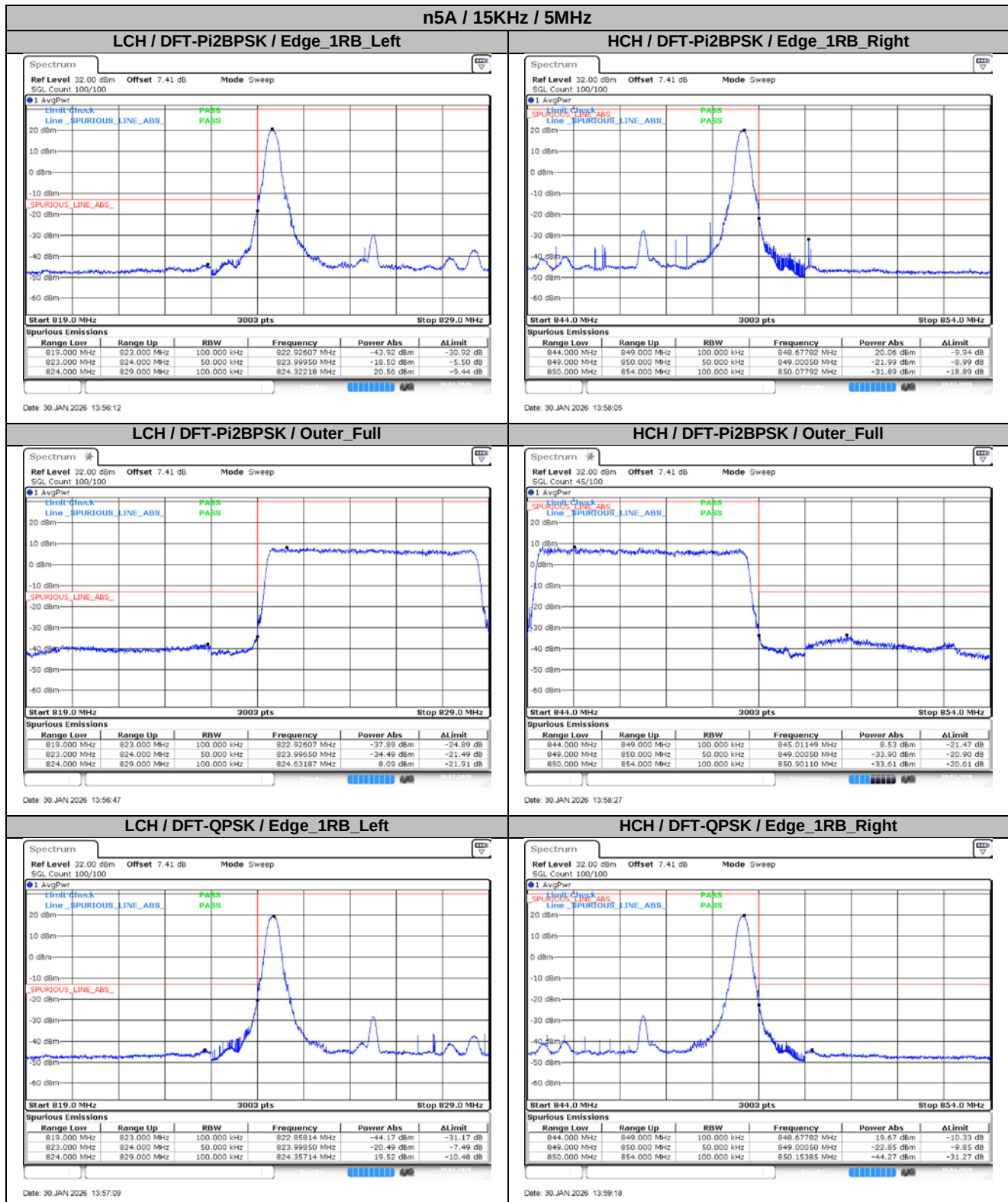
MCH / CP-256QAM / Outer_Full

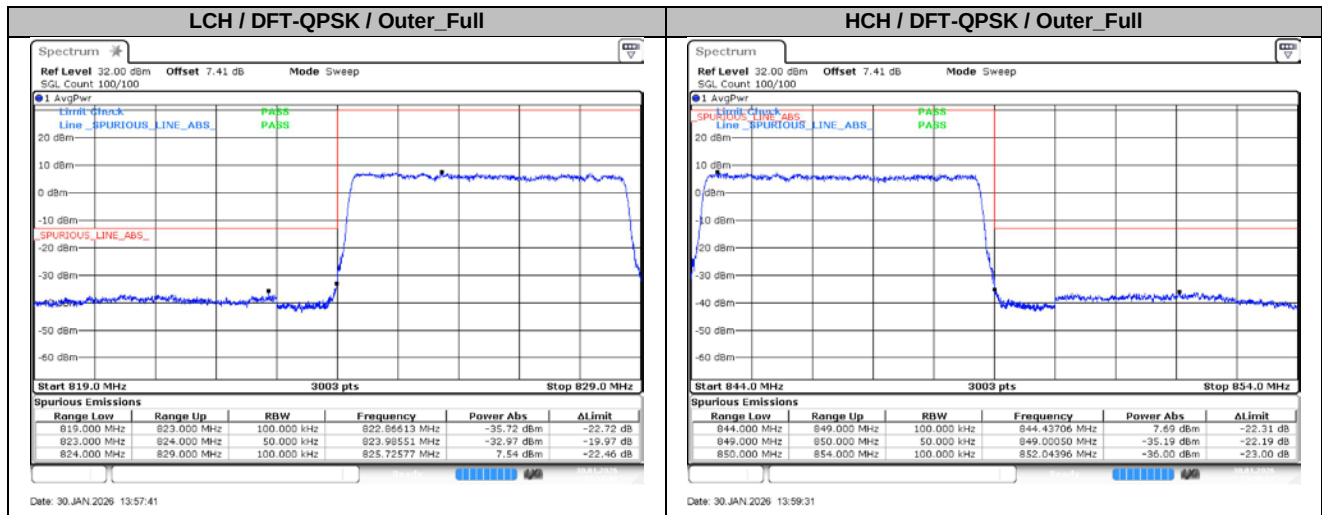


Date: 30 JAN 2026 13:55:43

5. Conducted Band Edges

5.1. Test Plots for SCS=15KHz





n5A / 15KHz / 10MHz

