

**Appendix
for
n5A
(824-849)**

Catalogue

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1. Effective Radiated Power

1.1. Test Results @ Ant0 (Antenna Gain=-6.00dBi)

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	22.54	22.57	22.63	14.48	38.45	Pass
15KHz	5MHz	LCH	DFT-QPSK	22.49	22.51	22.60	14.45	38.45	Pass
15KHz	5MHz	LCH	DFT-16QAM	21.68	21.69	21.58	13.54	38.45	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.10	20.17	20.11	12.02	38.45	Pass
15KHz	5MHz	LCH	DFT-256QAM	18.22	18.24	18.36	10.21	38.45	Pass
15KHz	5MHz	LCH	CP-QPSK	20.95	20.85	21.05	12.90	38.45	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	22.58	22.56	22.77	14.62	38.45	Pass
15KHz	5MHz	MCH	DFT-QPSK	22.57	22.56	22.57	14.42	38.45	Pass
15KHz	5MHz	MCH	DFT-16QAM	21.78	21.79	21.67	13.64	38.45	Pass
15KHz	5MHz	MCH	DFT-64QAM	20.23	20.37	20.24	12.22	38.45	Pass
15KHz	5MHz	MCH	DFT-256QAM	18.35	18.39	18.49	10.34	38.45	Pass
15KHz	5MHz	MCH	CP-QPSK	20.74	20.61	21.17	13.02	38.45	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	22.71	22.82	22.96	14.81	38.45	Pass
15KHz	5MHz	HCH	DFT-QPSK	22.72	22.81	22.85	14.70	38.45	Pass
15KHz	5MHz	HCH	DFT-16QAM	21.87	21.91	21.77	13.76	38.45	Pass
15KHz	5MHz	HCH	DFT-64QAM	20.31	20.52	20.40	12.37	38.45	Pass
15KHz	5MHz	HCH	DFT-256QAM	18.46	18.44	18.63	10.48	38.45	Pass
15KHz	5MHz	HCH	CP-QPSK	21.30	21.25	21.44	13.29	38.45	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	22.59	22.65	22.65	14.50	38.45	Pass
15KHz	10MHz	LCH	DFT-QPSK	22.55	22.61	22.71	14.56	38.45	Pass
15KHz	10MHz	LCH	DFT-16QAM	21.71	21.57	21.66	13.56	38.45	Pass
15KHz	10MHz	LCH	DFT-64QAM	20.18	20.31	20.21	12.16	38.45	Pass
15KHz	10MHz	LCH	DFT-256QAM	18.20	18.27	18.33	10.18	38.45	Pass
15KHz	10MHz	LCH	CP-QPSK	20.95	21.13	21.13	12.98	38.45	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	22.60	22.77	22.73	14.62	38.45	Pass
15KHz	10MHz	MCH	DFT-QPSK	22.54	22.70	22.78	14.63	38.45	Pass
15KHz	10MHz	MCH	DFT-16QAM	21.71	21.71	21.77	13.62	38.45	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.09	20.27	20.28	12.13	38.45	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.29	18.40	18.47	10.32	38.45	Pass
15KHz	10MHz	MCH	CP-QPSK	21.02	21.19	21.25	13.10	38.45	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	22.72	22.74	22.84	14.69	38.45	Pass
15KHz	10MHz	HCH	DFT-QPSK	22.68	22.88	22.85	14.73	38.45	Pass
15KHz	10MHz	HCH	DFT-16QAM	21.89	22.04	21.84	13.89	38.45	Pass
15KHz	10MHz	HCH	DFT-64QAM	20.30	20.47	20.39	12.32	38.45	Pass
15KHz	10MHz	HCH	DFT-256QAM	18.42	18.51	18.54	10.39	38.45	Pass
15KHz	10MHz	HCH	CP-QPSK	21.08	21.28	21.25	13.13	38.45	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	22.58	22.77	22.69	14.62	38.45	Pass
15KHz	15MHz	LCH	DFT-QPSK	22.57	22.75	22.69	14.60	38.45	Pass
15KHz	15MHz	LCH	DFT-16QAM	21.70	21.93	21.75	13.78	38.45	Pass
15KHz	15MHz	LCH	DFT-64QAM	20.10	20.42	20.22	12.27	38.45	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.06	18.43	18.35	10.28	38.45	Pass
15KHz	15MHz	LCH	CP-QPSK	20.98	21.14	21.22	13.07	38.45	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	22.55	22.78	22.80	14.65	38.45	Pass
15KHz	15MHz	MCH	DFT-QPSK	22.59	22.83	22.76	14.68	38.45	Pass
15KHz	15MHz	MCH	DFT-16QAM	21.62	21.90	21.79	13.75	38.45	Pass
15KHz	15MHz	MCH	DFT-64QAM	20.11	20.39	20.29	12.24	38.45	Pass
15KHz	15MHz	MCH	DFT-256QAM	18.20	18.47	18.47	10.32	38.45	Pass
15KHz	15MHz	MCH	CP-QPSK	20.99	21.23	21.29	13.14	38.45	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	22.74	22.88	22.84	14.73	38.45	Pass
15KHz	15MHz	HCH	DFT-QPSK	22.62	22.85	22.84	14.70	38.45	Pass
15KHz	15MHz	HCH	DFT-16QAM	21.76	22.01	21.84	13.86	38.45	Pass
15KHz	15MHz	HCH	DFT-64QAM	20.27	20.55	20.34	12.40	38.45	Pass
15KHz	15MHz	HCH	DFT-256QAM	18.34	18.47	18.53	10.38	38.45	Pass
15KHz	15MHz	HCH	CP-QPSK	21.03	21.32	21.32	13.17	38.45	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	22.64	22.84	22.82	14.69	38.45	Pass
15KHz	20MHz	LCH	DFT-QPSK	22.48	22.80	22.87	14.72	38.45	Pass
15KHz	20MHz	LCH	DFT-16QAM	21.66	21.96	21.63	13.81	38.45	Pass
15KHz	20MHz	LCH	DFT-64QAM	20.19	20.47	20.23	12.32	38.45	Pass
15KHz	20MHz	LCH	DFT-256QAM	18.22	18.47	18.45	10.32	38.45	Pass

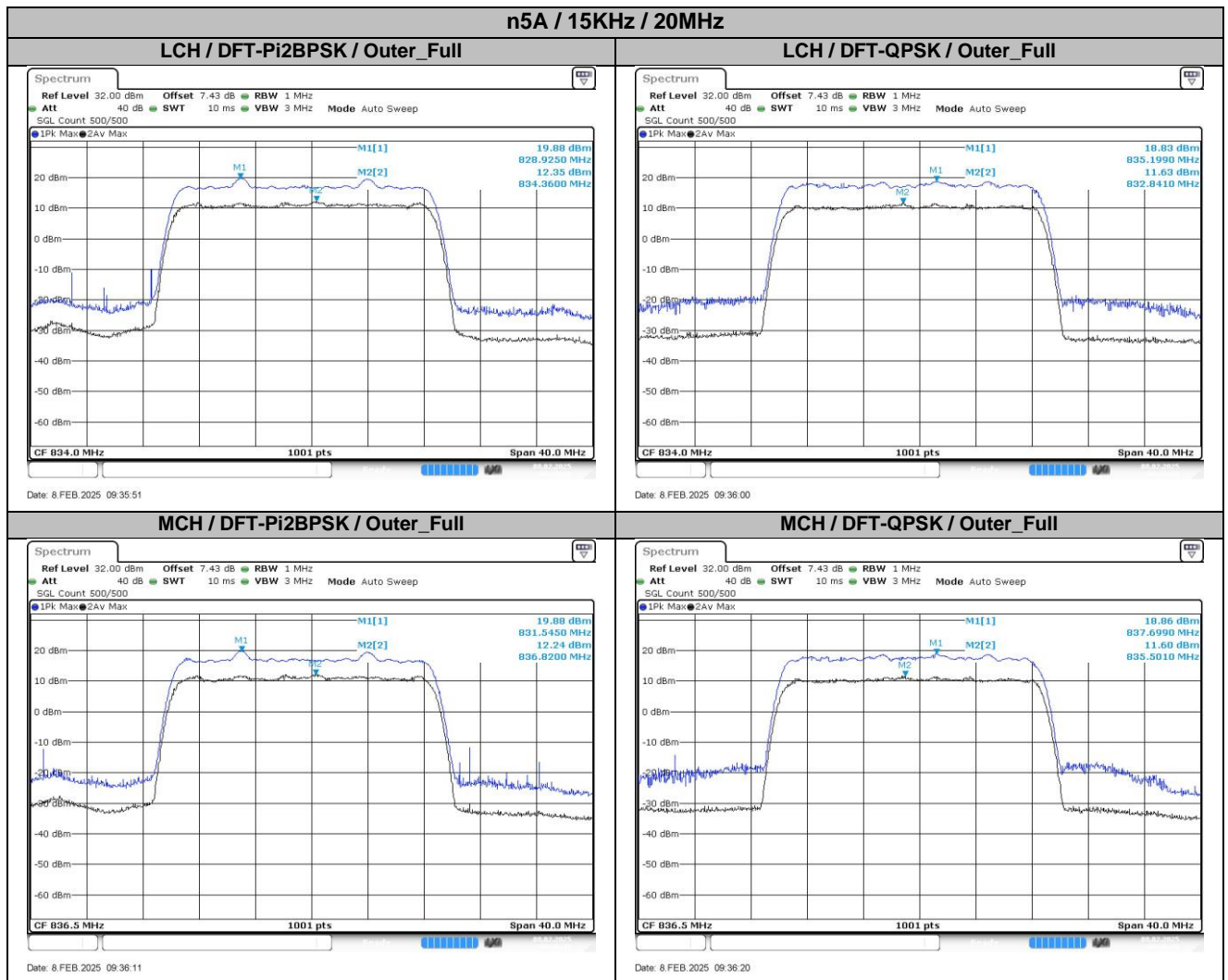
15KHz	20MHz	LCH	CP-QPSK	21.02	21.17	21.27	13.12	38.45	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	22.59	22.88	22.66	14.73	38.45	Pass
15KHz	20MHz	MCH	DFT-QPSK	22.45	22.79	22.75	14.64	38.45	Pass
15KHz	20MHz	MCH	DFT-16QAM	21.58	21.89	21.73	13.74	38.45	Pass
15KHz	20MHz	MCH	DFT-64QAM	20.10	20.48	20.22	12.33	38.45	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.23	18.50	18.48	10.35	38.45	Pass
15KHz	20MHz	MCH	CP-QPSK	20.95	21.20	21.33	13.18	38.45	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	22.59	22.79	22.66	14.64	38.45	Pass
15KHz	20MHz	HCH	DFT-QPSK	22.56	22.82	22.87	14.72	38.45	Pass
15KHz	20MHz	HCH	DFT-16QAM	21.52	21.99	21.87	13.84	38.45	Pass
15KHz	20MHz	HCH	DFT-64QAM	20.28	20.54	20.30	12.39	38.45	Pass
15KHz	20MHz	HCH	DFT-256QAM	18.18	18.49	18.47	10.34	38.45	Pass
15KHz	20MHz	HCH	CP-QPSK	20.99	21.41	21.38	13.26	38.45	Pass

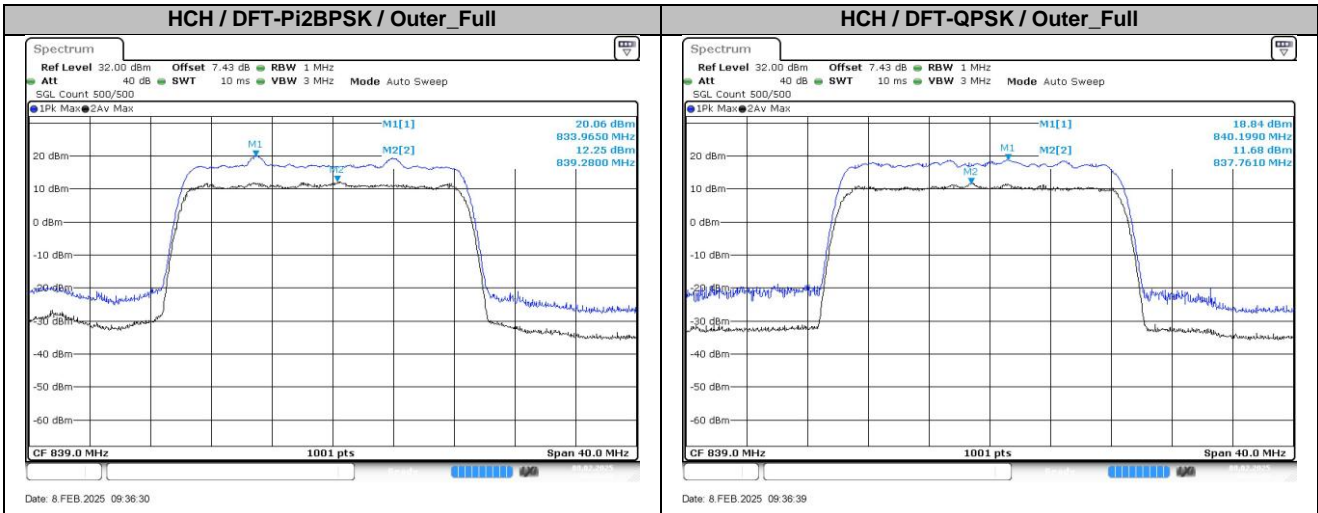
2. Peak-to-Average Ratio

2.1. Test Results

SCS	Bandwidth	Channel	RB	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	20MHz	LCH	Outer_Full	7.53	7.20	13.00	Pass
15KHz	20MHz	MCH	Outer_Full	7.64	7.26	13.00	Pass
15KHz	20MHz	HCH	Outer_Full	7.81	7.16	13.00	Pass

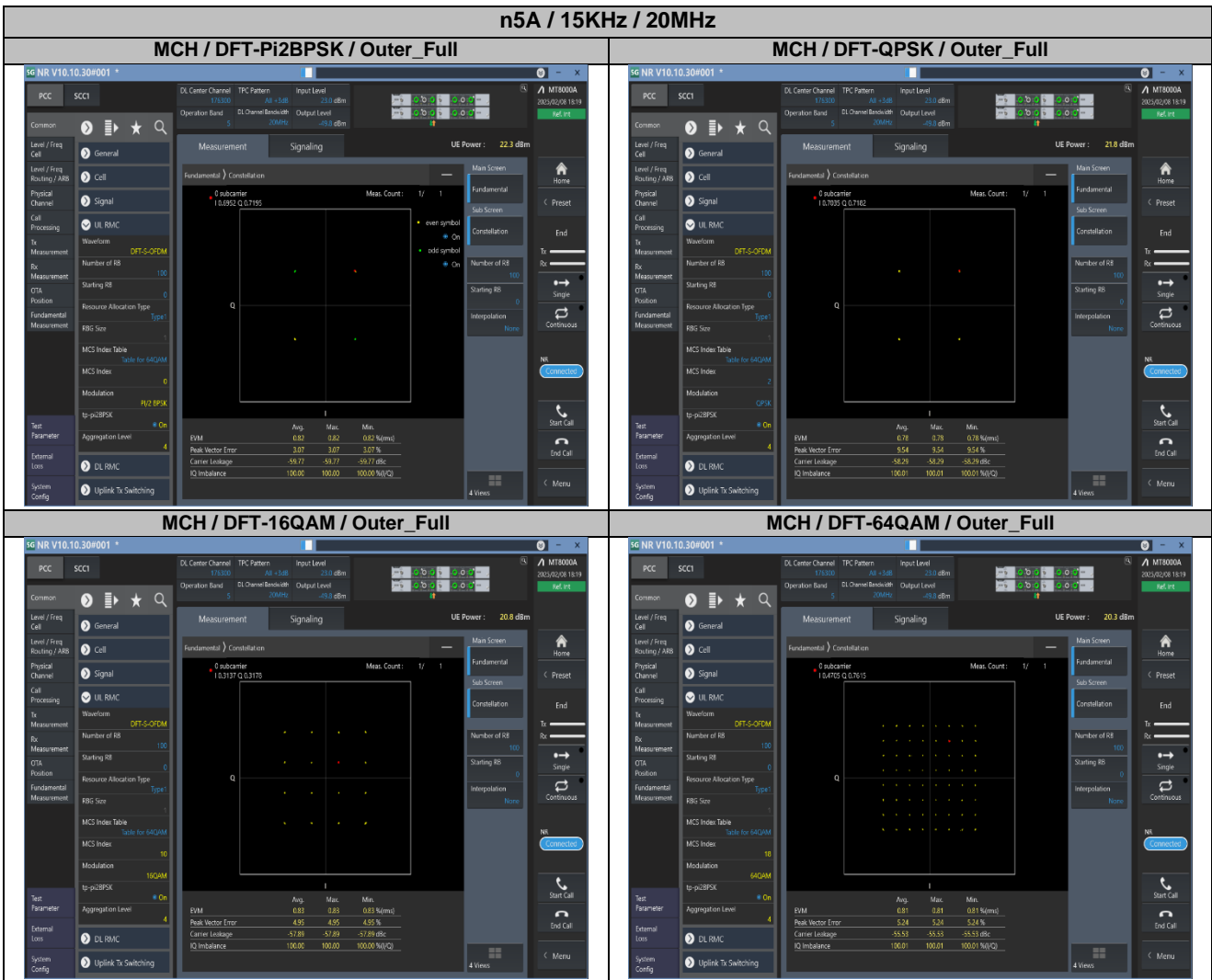
2.2. Test Plots for SCS=15KHz

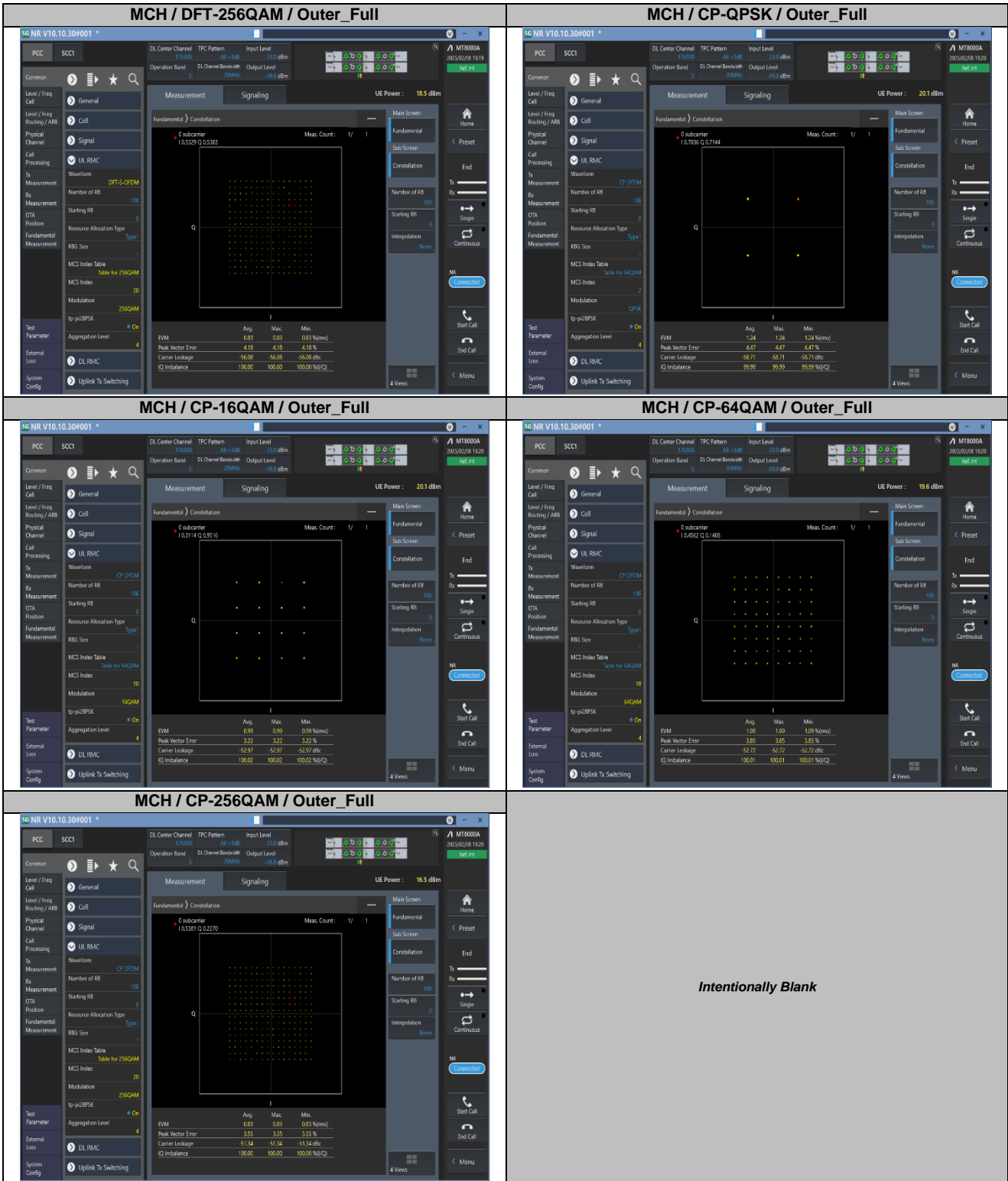




3. Modulation Characteristics

3.1. Test Plots for SCS=15KHz



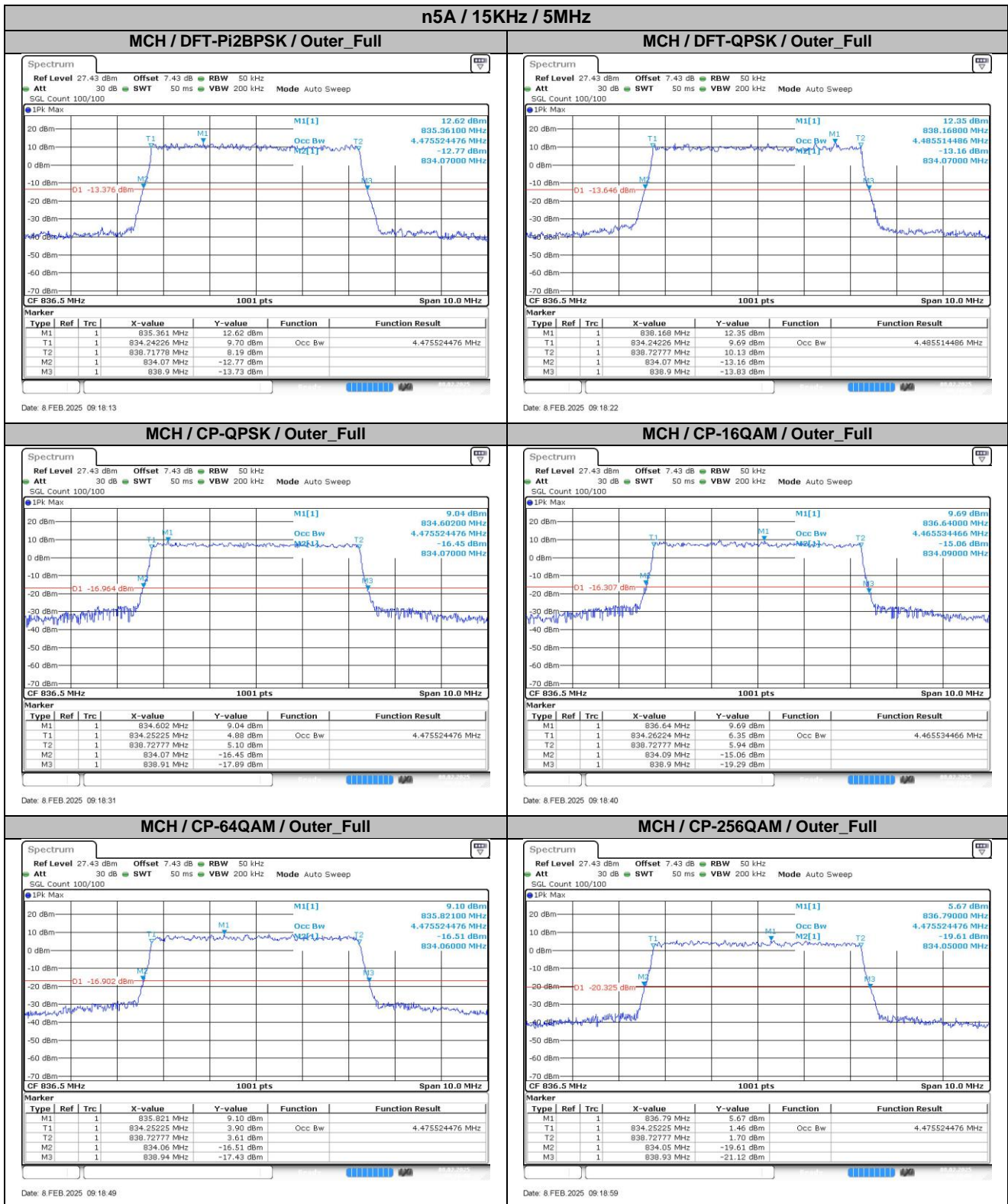


4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

4.1. Test Results

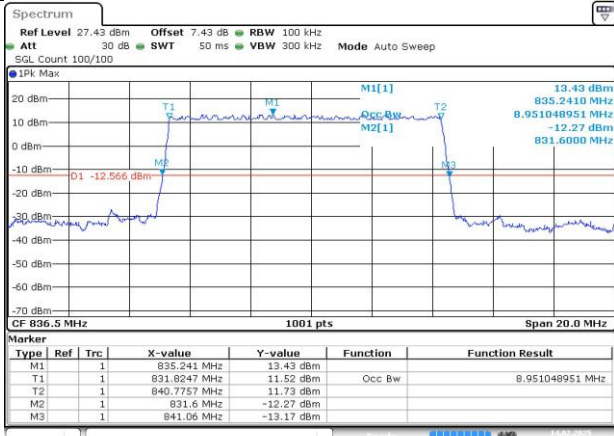
SCS	Bandwidth	Modulation	RB	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.48	4.83	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.49	4.83	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.48	4.84	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.47	4.81	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.48	4.88	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.48	4.88	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.95	9.46	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.91	9.38	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.29	9.78	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.29	9.78	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.27	9.80	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.27	9.76	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.40	14.16	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.43	14.13	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.09	14.85	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.12	14.85	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.09	14.88	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.09	14.82	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.86	18.68	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.86	18.68	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.90	19.76	Pass
15KHz	20MHz	CP-16QAM	Outer_Full	18.90	19.76	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	19.02	27.88	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	18.86	19.76	Pass

4.2. Test Plots for SCS=15KHz



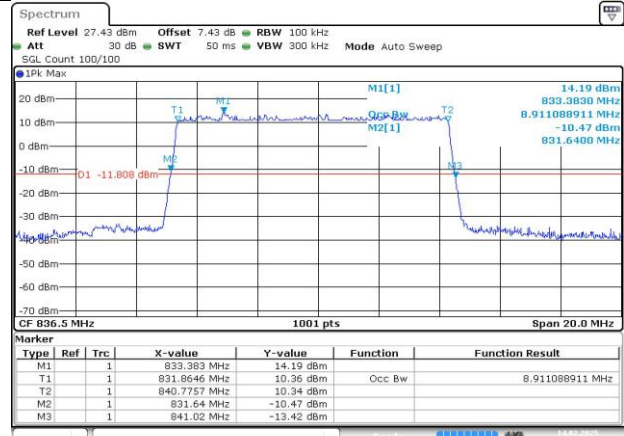
n5A / 15KHz / 10MHz

MCH / DFT-Pi2BPSK / Outer_Full



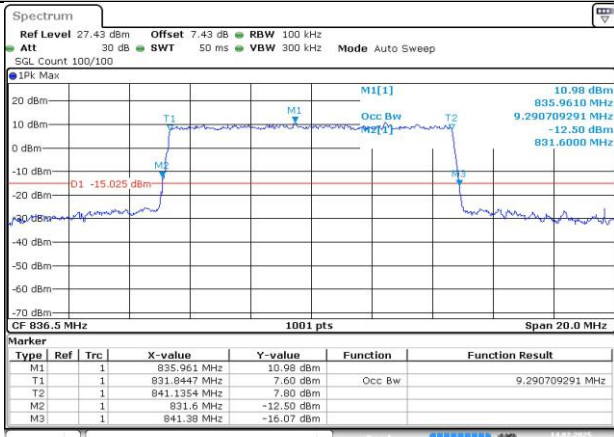
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MCH / DFT-QPSK / Outer_Full



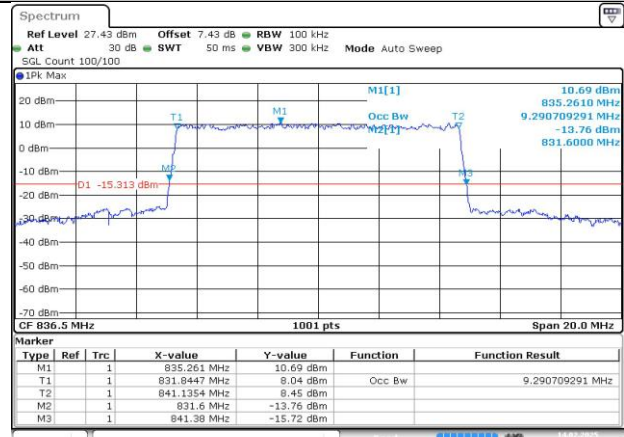
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MCH / CP-QPSK / Outer_Full



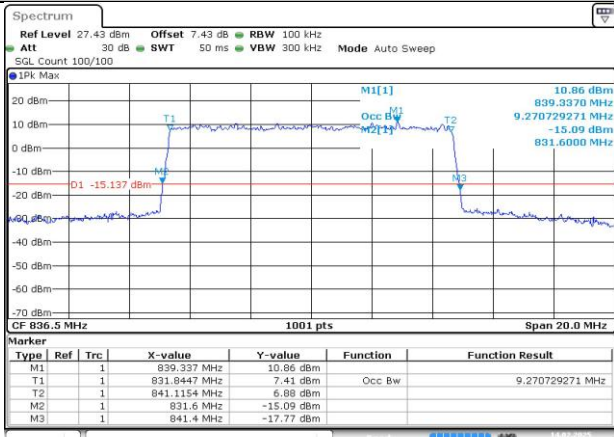
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MCH / CP-16QAM / Outer_Full



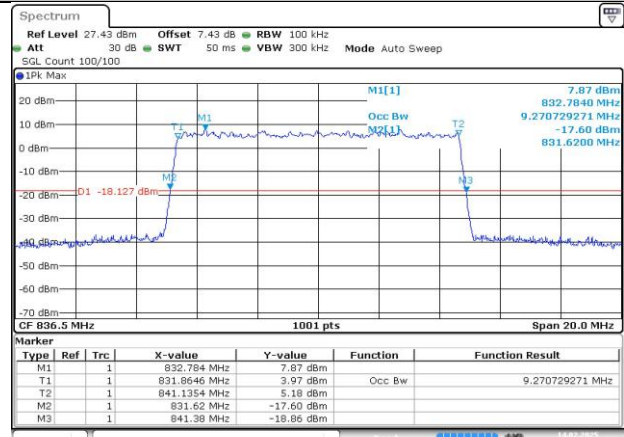
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MCH / CP-64QAM / Outer_Full



Date: 14.FEB.2025 15:20:54

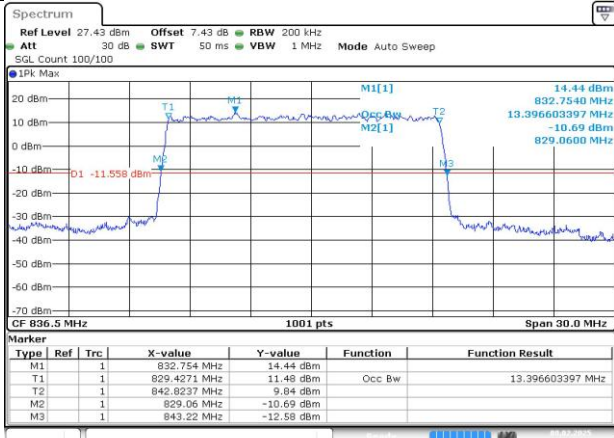
MCH / CP-256QAM / Outer_Full



Date: 14.FEB.2025 15:21:05

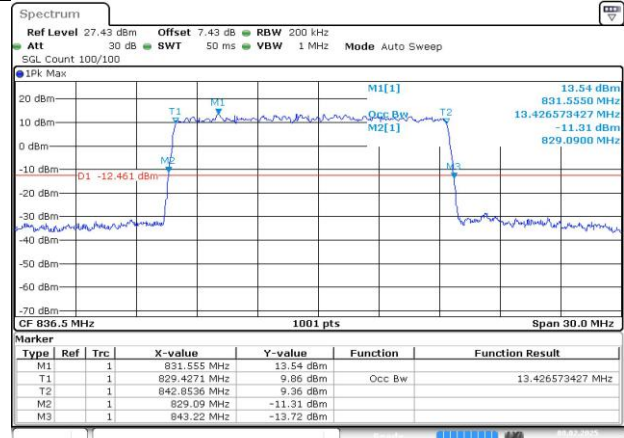
n5A / 15KHz / 15MHz

MCH / DFT-Pi2BPSK / Outer_Full



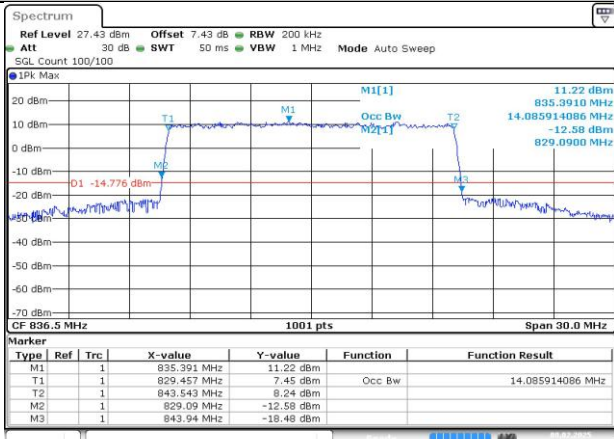
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MCH / DFT-QPSK / Outer_Full



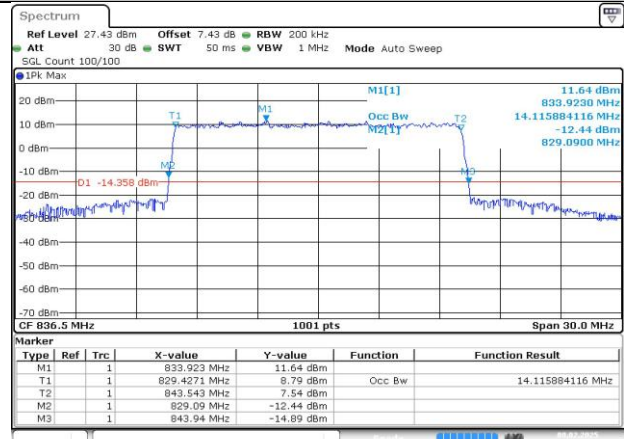
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MCH / CP-QPSK / Outer_Full



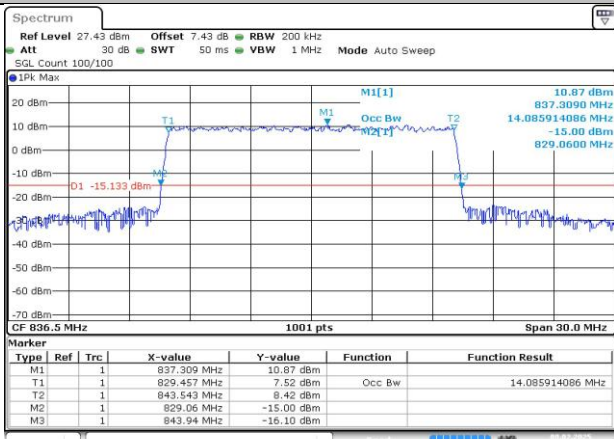
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MCH / CP-16QAM / Outer_Full



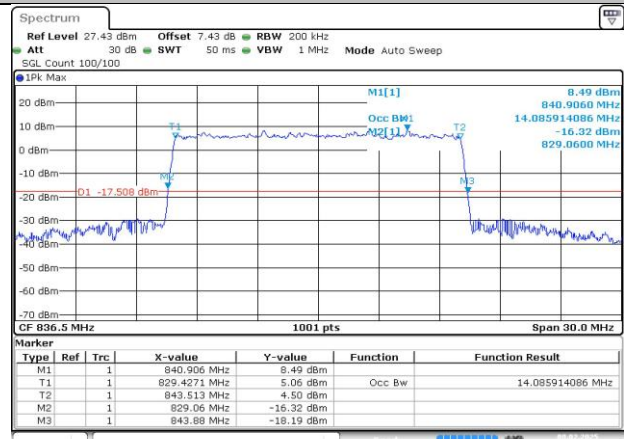
Date: 8 FEB 2025 09:20:45

MCH / CP-64QAM / Outer_Full



Date: 8 FEB 2025 09:20:54

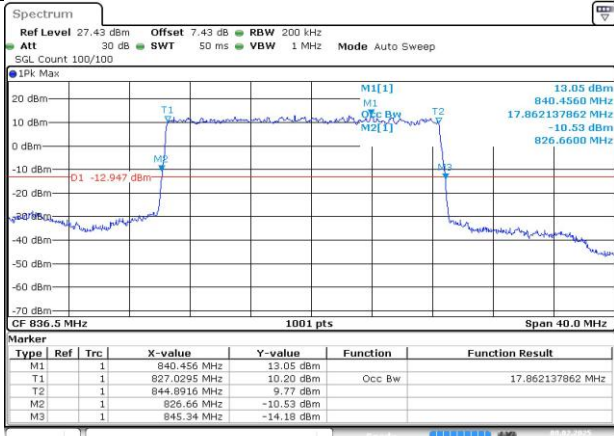
MCH / CP-256QAM / Outer_Full



Date: 8 FEB 2025 09:21:06

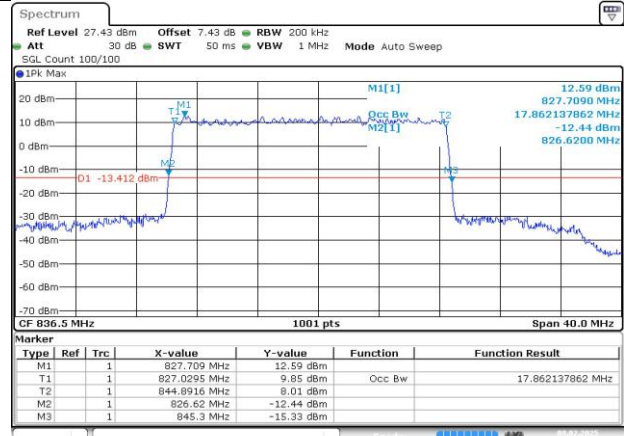
n5A / 15KHz / 20MHz

MCH / DFT-Pi2BPSK / Outer_Full



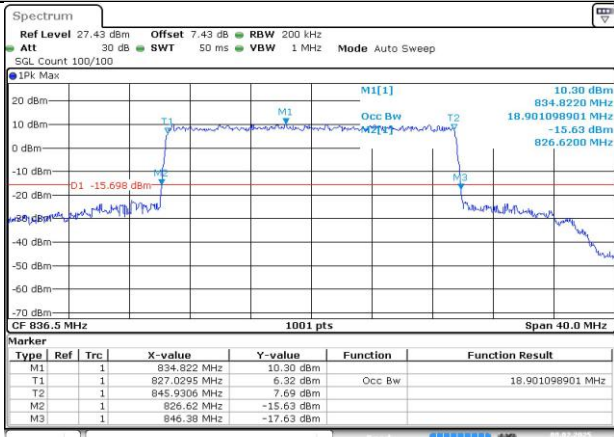
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MCH / DFT-QPSK / Outer_Full



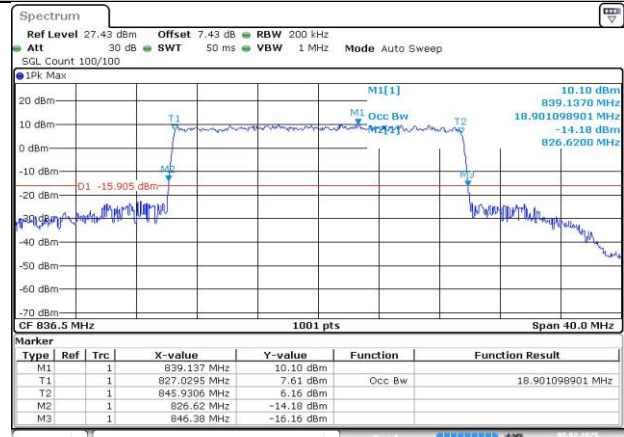
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MCH / CP-QPSK / Outer_Full



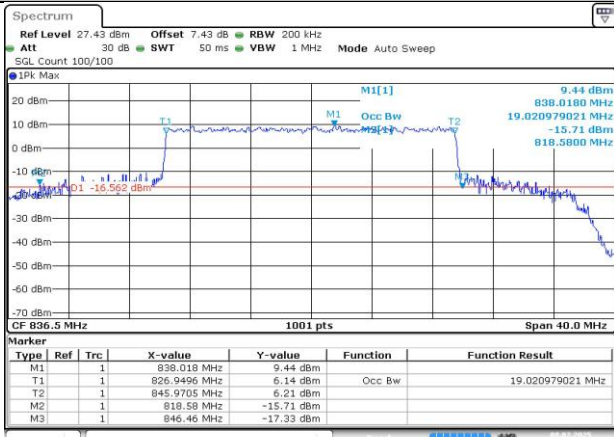
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MCH / CP-16QAM / Outer_Full



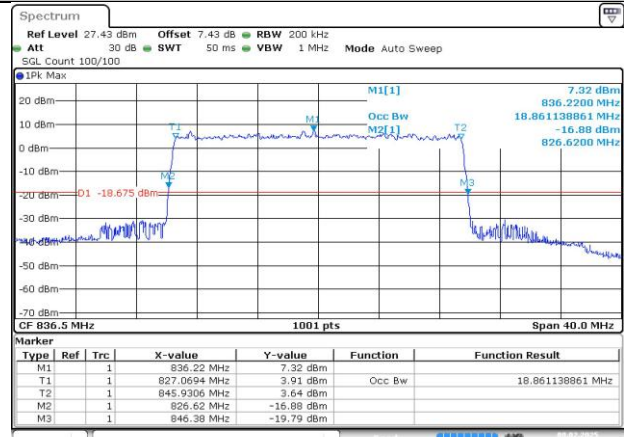
Date: 8 FEB 2025 09:21:51

MCH / CP-64QAM / Outer_Full



Date: 8 FEB 2025 09:22:01

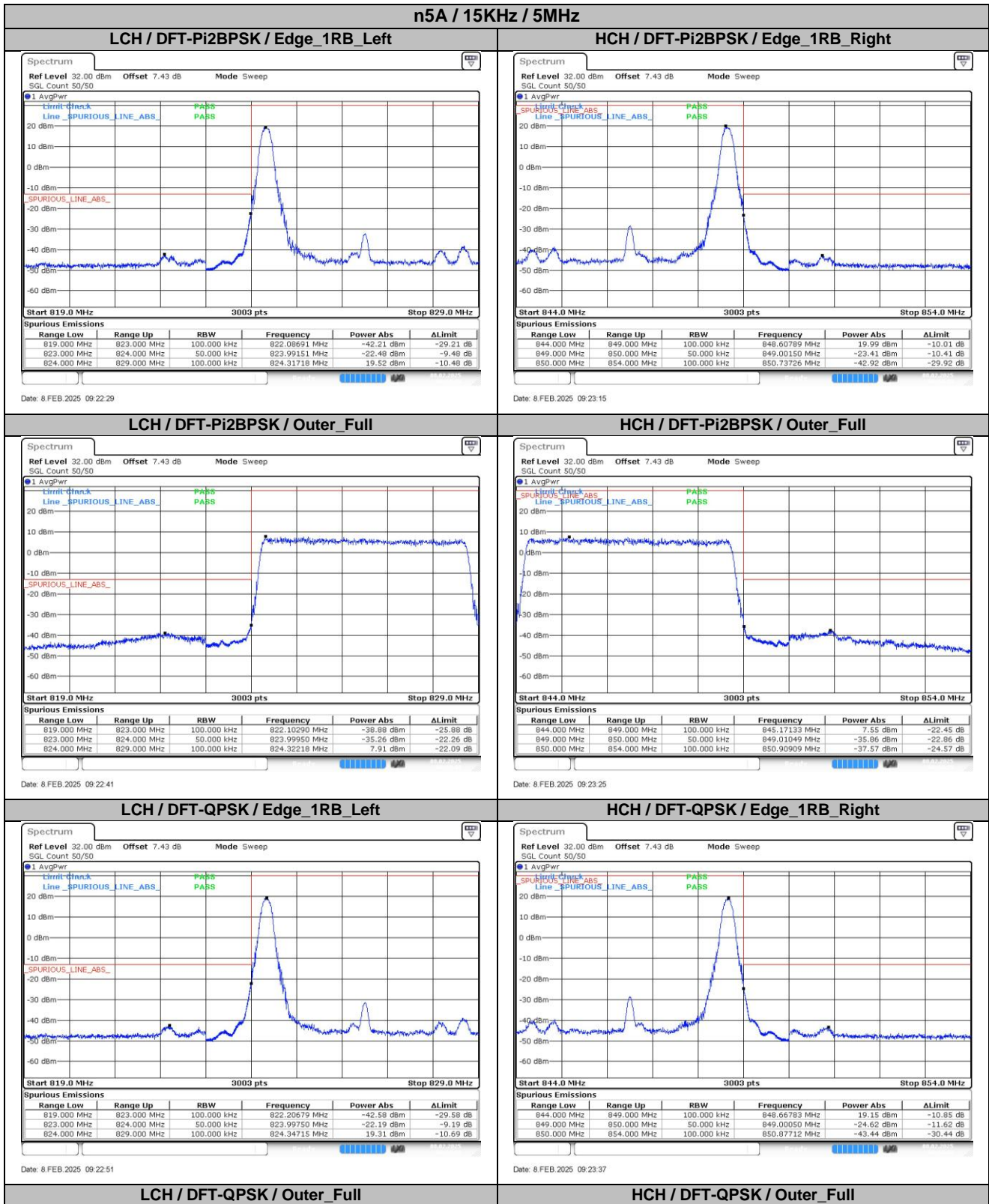
MCH / CP-256QAM / Outer_Full

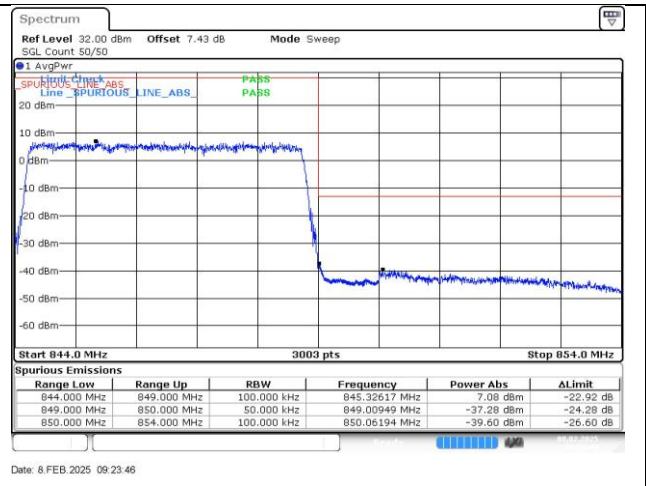
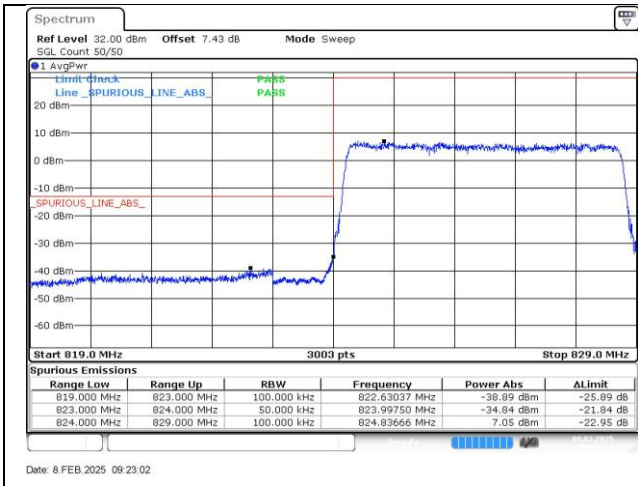


Date: 8 FEB 2025 09:22:13

5. Conducted Band Edges

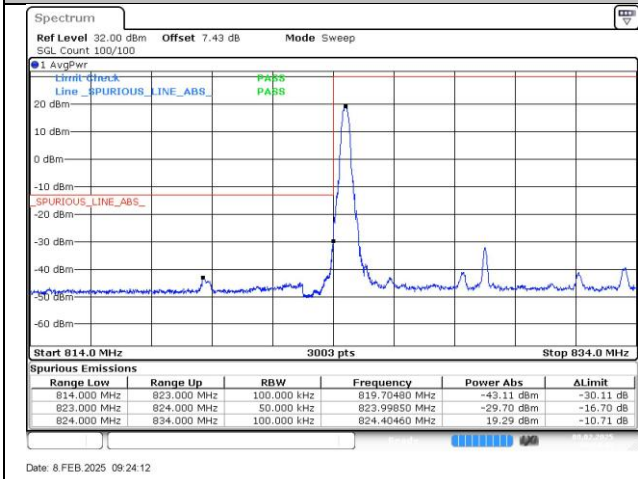
5.1. Test Plots for SCS=15KHz



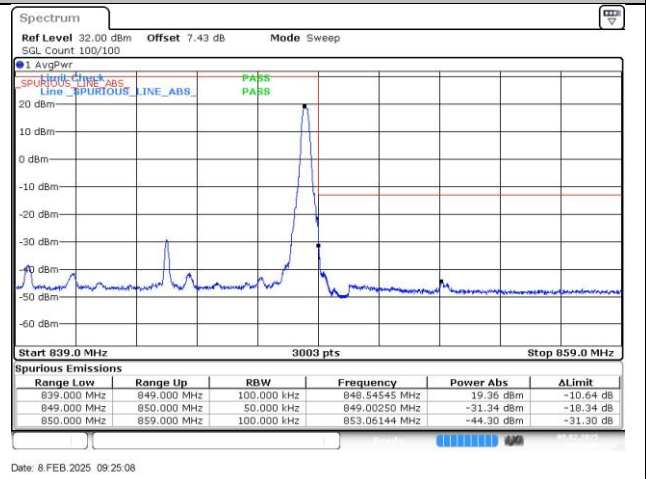


n5A / 15KHz / 10MHz

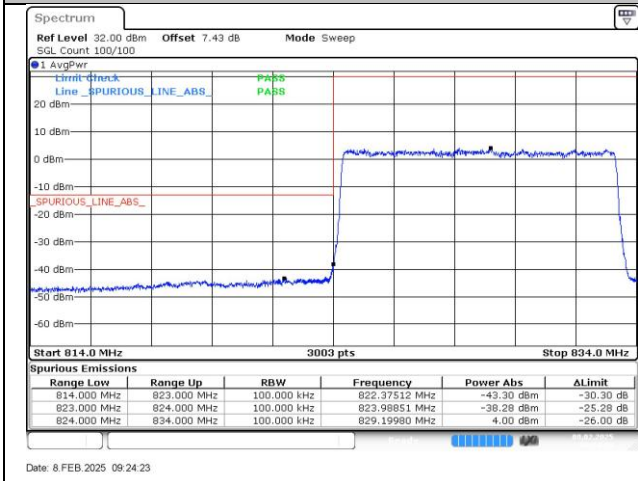
LCH / DFT-Pi2BPSK / Edge_1RB_Left



HCH / DFT-Pi2BPSK / Edge_1RB_Right



LCH / DFT-Pi2BPSK / Outer_Full



HCH / DFT-Pi2BPSK / Outer_Full

