

Appendix for n71A (663-698)

Catalogue

1. EFFECTIVE RADIATED POWER	3
1.1. TEST RESULTS @ ANT0 (ANTENNA GAIN=-5.30DBI)	3
2. PEAK-TO-AVERAGE RATIO	5
2.1. TEST RESULTS	5
2.2. TEST PLOTS FOR SCS=15KHZ.....	5
3. MODULATION CHARACTERISTICS	6
3.1. TEST PLOTS FOR SCS=15KHZ.....	6
4. 99% OCCUPIED BANDWIDTH & 26DB EMISSION BANDWIDTH	7
4.1. TEST RESULTS	7
4.2. TEST PLOTS FOR SCS=15KHZ.....	8
5. CONDUCTED BAND EDGES.....	12
5.1. TEST PLOTS FOR SCS=15KHZ.....	12
6. CONDUCTED SPURIOUS EMISSION	17
6.1. TEST PLOTS FOR SCS=15KHZ.....	17
7. FREQUENCY STABILITY.....	21
7.1. TEST RESULTS	21

1. Effective Radiated Power

1.1. Test Results @ Ant0 (Antenna Gain=-5.30dBi)

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	23.12	23.15	23.20	15.75	34.77	Pass
15KHz	5MHz	LCH	DFT-QPSK	23.08	23.15	23.22	15.77	34.77	Pass
15KHz	5MHz	LCH	DFT-16QAM	22.20	22.24	22.17	14.79	34.77	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.77	20.82	20.73	13.37	34.77	Pass
15KHz	5MHz	LCH	DFT-256QAM	18.51	18.63	18.73	11.28	34.77	Pass
15KHz	5MHz	LCH	CP-QPSK	21.47	21.46	21.71	14.26	34.77	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	23.18	23.13	23.28	15.83	34.77	Pass
15KHz	5MHz	MCH	DFT-QPSK	23.18	23.15	23.25	15.80	34.77	Pass
15KHz	5MHz	MCH	DFT-16QAM	22.26	22.31	22.21	14.86	34.77	Pass
15KHz	5MHz	MCH	DFT-64QAM	20.81	20.81	20.79	13.36	34.77	Pass
15KHz	5MHz	MCH	DFT-256QAM	18.64	18.63	18.79	11.34	34.77	Pass
15KHz	5MHz	MCH	CP-QPSK	21.50	21.68	21.71	14.26	34.77	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	23.17	23.17	23.28	15.83	34.77	Pass
15KHz	5MHz	HCH	DFT-QPSK	23.16	23.13	23.21	15.76	34.77	Pass
15KHz	5MHz	HCH	DFT-16QAM	22.28	22.25	22.22	14.83	34.77	Pass
15KHz	5MHz	HCH	DFT-64QAM	20.76	20.78	20.76	13.33	34.77	Pass
15KHz	5MHz	HCH	DFT-256QAM	18.58	18.62	18.74	11.29	34.77	Pass
15KHz	5MHz	HCH	CP-QPSK	21.50	21.55	21.76	14.31	34.77	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	23.13	23.24	23.20	15.79	34.77	Pass
15KHz	10MHz	LCH	DFT-QPSK	23.12	23.21	23.18	15.76	34.77	Pass
15KHz	10MHz	LCH	DFT-16QAM	22.26	22.35	22.17	14.90	34.77	Pass
15KHz	10MHz	LCH	DFT-64QAM	20.84	20.86	20.77	13.41	34.77	Pass
15KHz	10MHz	LCH	DFT-256QAM	18.59	18.64	18.62	11.19	34.77	Pass
15KHz	10MHz	LCH	CP-QPSK	21.52	21.63	21.65	14.20	34.77	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	23.26	23.22	23.17	15.81	34.77	Pass
15KHz	10MHz	MCH	DFT-QPSK	23.22	23.21	23.16	15.77	34.77	Pass
15KHz	10MHz	MCH	DFT-16QAM	22.37	22.37	22.16	14.92	34.77	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.80	20.90	20.70	13.45	34.77	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.72	18.68	18.60	11.27	34.77	Pass
15KHz	10MHz	MCH	CP-QPSK	21.64	21.61	21.67	14.22	34.77	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	23.21	23.21	23.20	15.76	34.77	Pass
15KHz	10MHz	HCH	DFT-QPSK	23.19	23.16	23.14	15.74	34.77	Pass
15KHz	10MHz	HCH	DFT-16QAM	22.33	22.33	22.20	14.88	34.77	Pass
15KHz	10MHz	HCH	DFT-64QAM	20.95	20.78	20.74	13.50	34.77	Pass
15KHz	10MHz	HCH	DFT-256QAM	18.65	18.65	18.65	11.20	34.77	Pass
15KHz	10MHz	HCH	CP-QPSK	21.64	21.57	21.66	14.21	34.77	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	23.12	23.25	23.23	15.80	34.77	Pass
15KHz	15MHz	LCH	DFT-QPSK	23.07	23.22	23.19	15.77	34.77	Pass
15KHz	15MHz	LCH	DFT-16QAM	22.23	22.36	22.21	14.91	34.77	Pass
15KHz	15MHz	LCH	DFT-64QAM	20.79	20.79	20.75	13.34	34.77	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.53	18.68	18.69	11.24	34.77	Pass
15KHz	15MHz	LCH	CP-QPSK	21.64	21.78	21.74	14.33	34.77	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	23.17	23.24	23.18	15.79	34.77	Pass
15KHz	15MHz	MCH	DFT-QPSK	23.14	23.19	23.16	15.74	34.77	Pass
15KHz	15MHz	MCH	DFT-16QAM	22.24	22.33	22.20	14.88	34.77	Pass
15KHz	15MHz	MCH	DFT-64QAM	20.77	20.82	20.72	13.37	34.77	Pass
15KHz	15MHz	MCH	DFT-256QAM	18.61	18.61	18.64	11.19	34.77	Pass
15KHz	15MHz	MCH	CP-QPSK	21.58	21.59	21.73	14.28	34.77	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	23.16	23.16	23.24	15.79	34.77	Pass
15KHz	15MHz	HCH	DFT-QPSK	23.12	23.14	23.21	15.76	34.77	Pass
15KHz	15MHz	HCH	DFT-16QAM	22.32	22.31	22.27	14.87	34.77	Pass
15KHz	15MHz	HCH	DFT-64QAM	20.90	20.89	20.78	13.45	34.77	Pass
15KHz	15MHz	HCH	DFT-256QAM	18.63	18.65	18.71	11.26	34.77	Pass
15KHz	15MHz	HCH	CP-QPSK	21.70	21.74	21.77	14.32	34.77	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	23.09	23.19	23.28	15.83	34.77	Pass
15KHz	20MHz	LCH	DFT-QPSK	23.05	23.20	23.27	15.82	34.77	Pass
15KHz	20MHz	LCH	DFT-16QAM	22.23	22.38	22.24	14.93	34.77	Pass
15KHz	20MHz	LCH	DFT-64QAM	20.79	20.88	20.77	13.43	34.77	Pass
15KHz	20MHz	LCH	DFT-256QAM	18.50	18.70	18.76	11.31	34.77	Pass

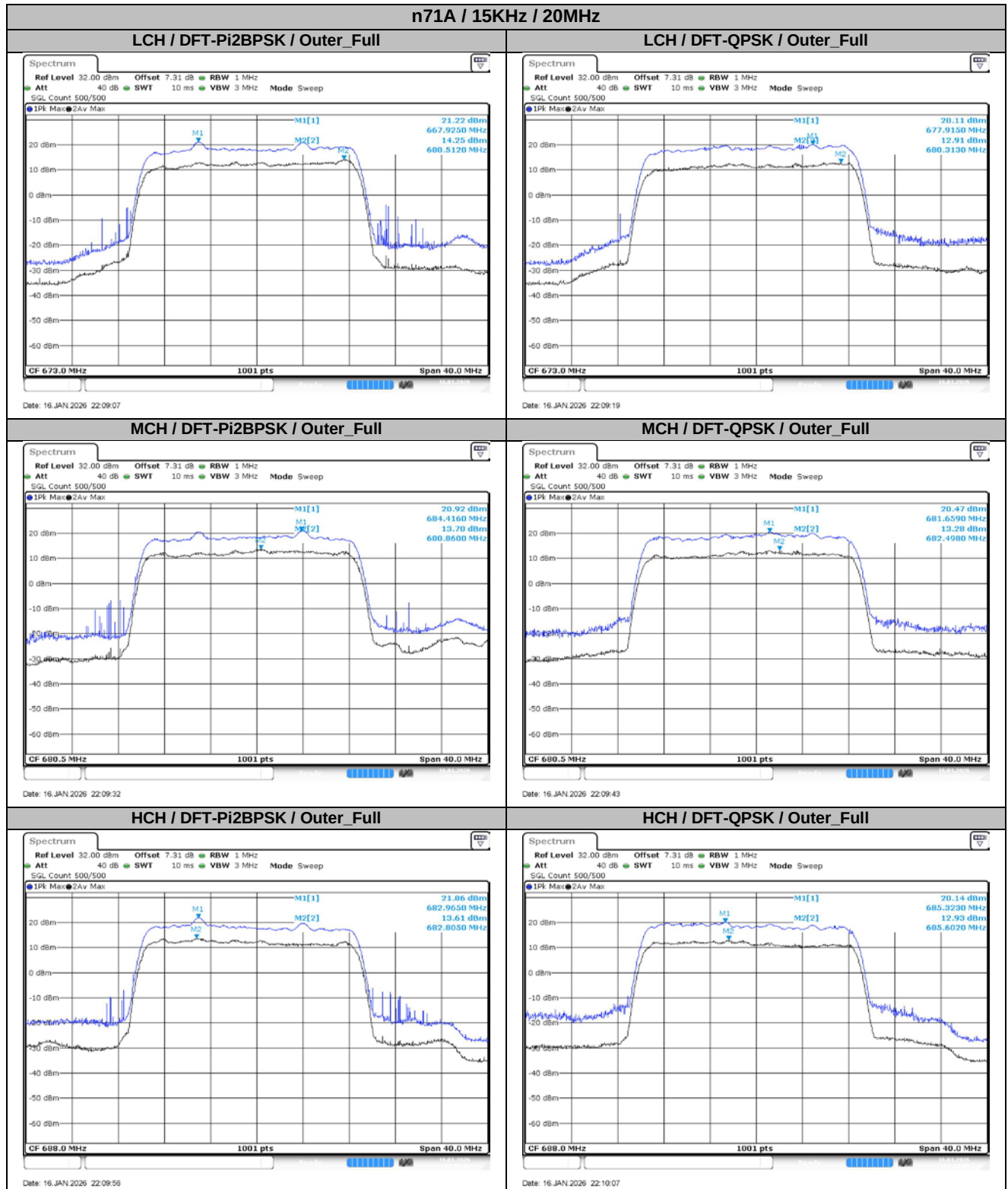
15KHz	20MHz	LCH	CP-QPSK	21.53	21.54	21.74	14.29	34.77	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	23.13	23.18	23.25	15.80	34.77	Pass
15KHz	20MHz	MCH	DFT-QPSK	23.14	23.17	23.25	15.80	34.77	Pass
15KHz	20MHz	MCH	DFT-16QAM	22.24	22.26	22.24	14.81	34.77	Pass
15KHz	20MHz	MCH	DFT-64QAM	20.76	20.84	20.68	13.39	34.77	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.56	18.59	18.72	11.27	34.77	Pass
15KHz	20MHz	MCH	CP-QPSK	21.52	21.52	21.73	14.28	34.77	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	23.20	23.21	23.31	15.86	34.77	Pass
15KHz	20MHz	HCH	DFT-QPSK	23.15	23.15	23.30	15.85	34.77	Pass
15KHz	20MHz	HCH	DFT-16QAM	22.28	22.32	22.27	14.87	34.77	Pass
15KHz	20MHz	HCH	DFT-64QAM	20.87	20.85	20.82	13.42	34.77	Pass
15KHz	20MHz	HCH	DFT-256QAM	18.65	18.63	18.78	11.33	34.77	Pass
15KHz	20MHz	HCH	CP-QPSK	21.55	21.67	21.75	14.30	34.77	Pass

2. Peak-to-Average Ratio

2.1. Test Results

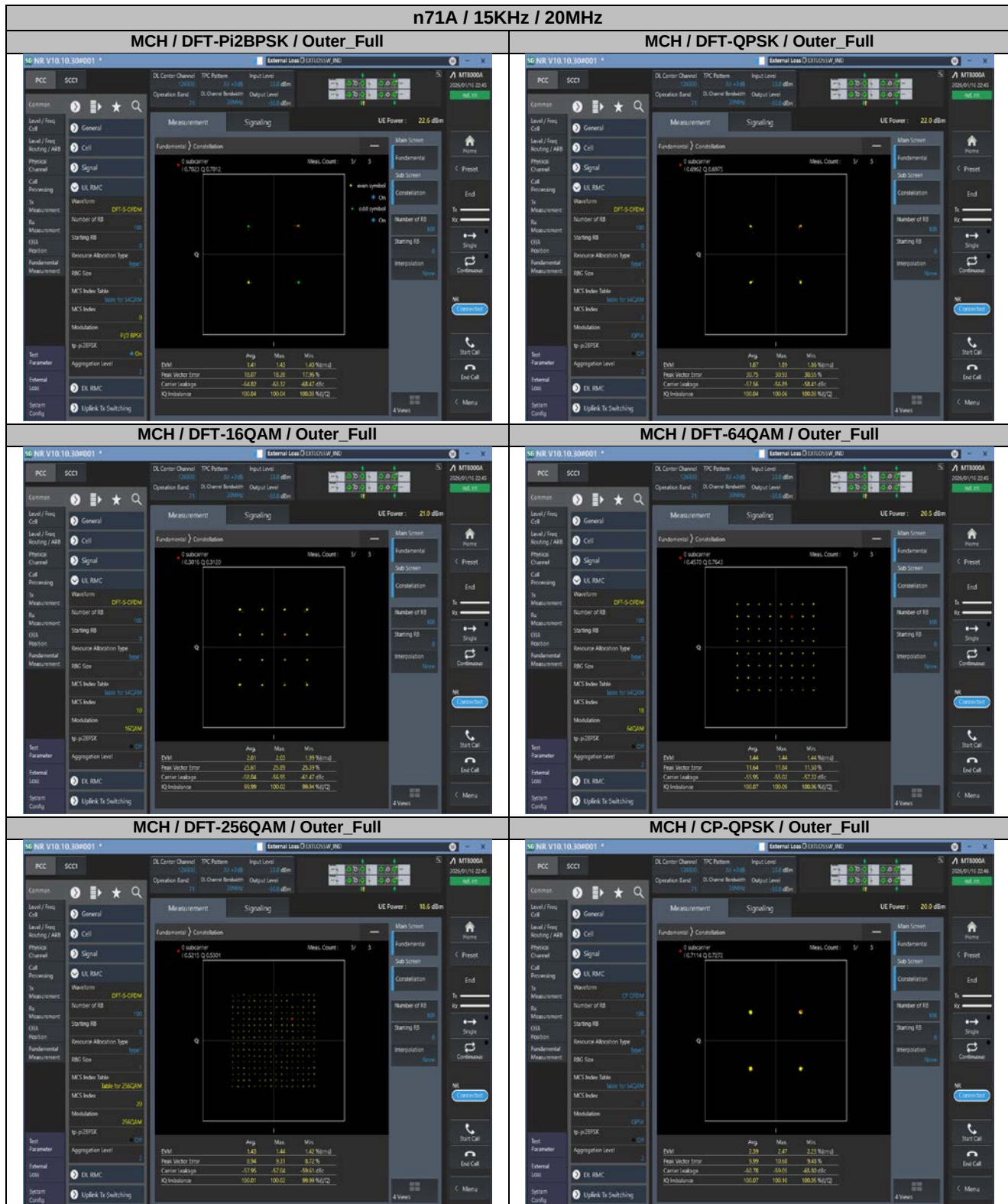
SCS	Bandwidth	Channel	RB	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	20MHz	LCH	Outer_Full	6.96	7.19	13.00	Pass
15KHz	20MHz	MCH	Outer_Full	7.22	7.19	13.00	Pass
15KHz	20MHz	HCH	Outer_Full	8.25	7.21	13.00	Pass

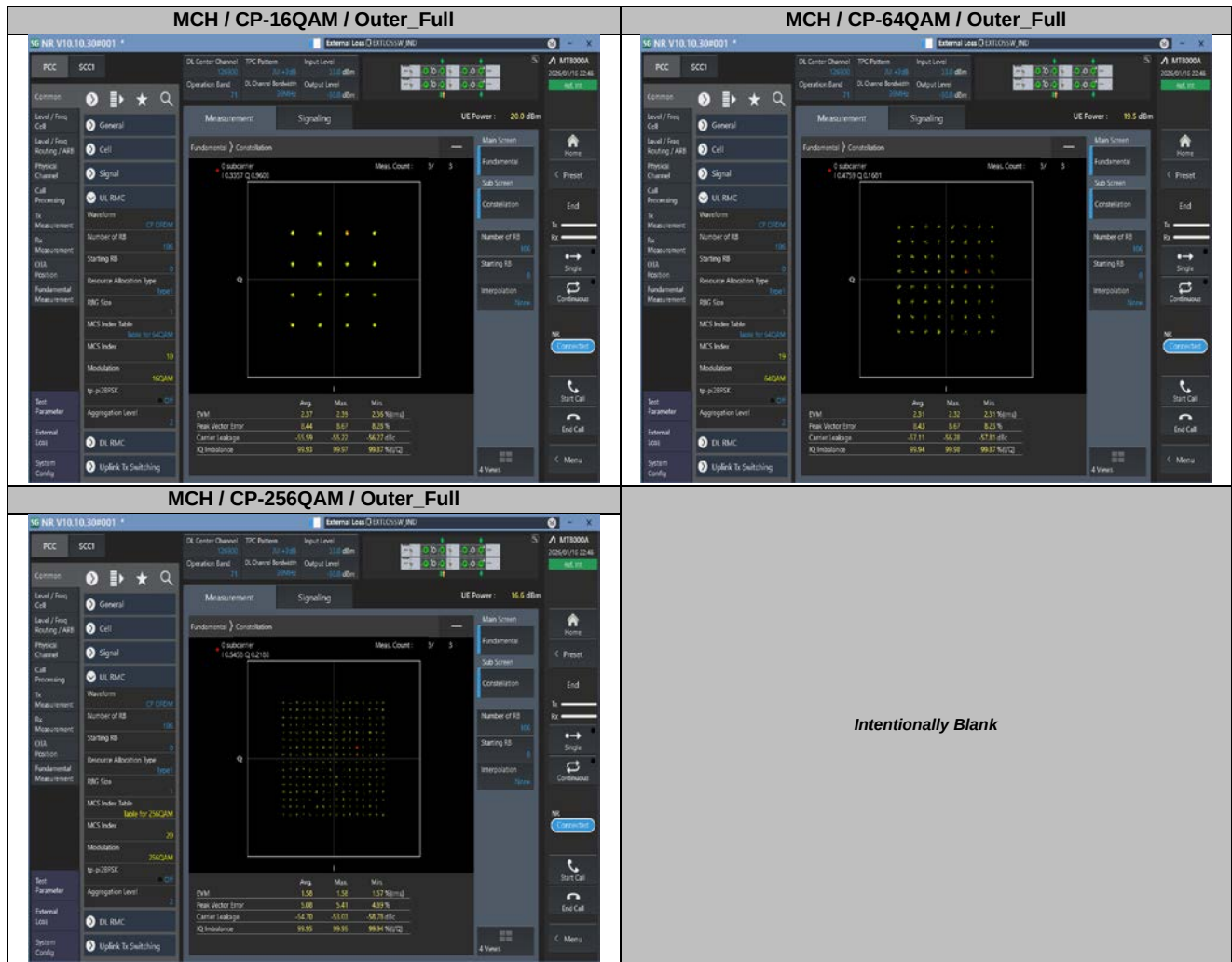
2.2. Test Plots for SCS=15KHz



3. Modulation Characteristics

3.1. Test Plots for SCS=15KHz





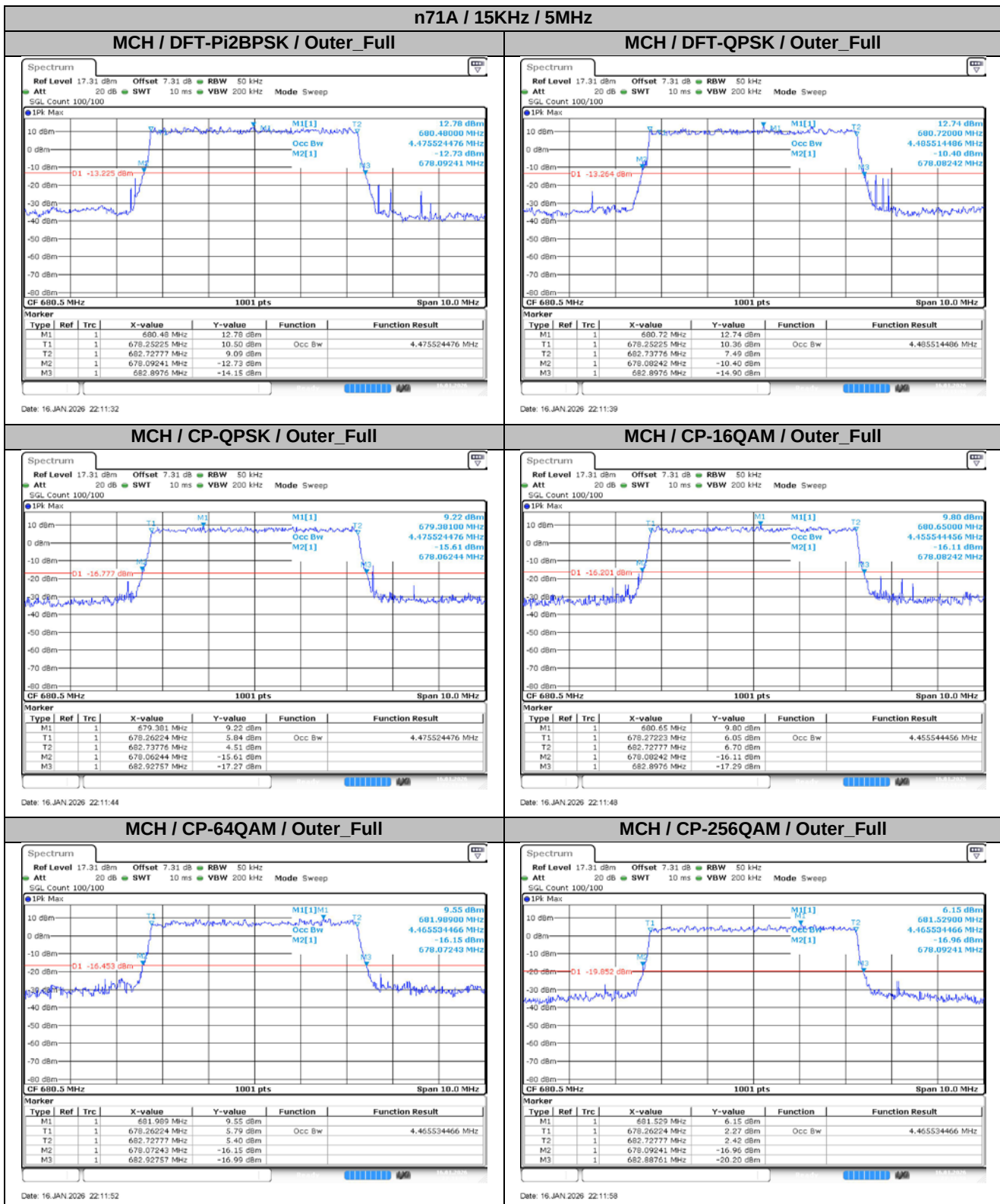
4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

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	4.81	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.49	4.82	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.48	4.87	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.46	4.82	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.47	4.86	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.47	4.80	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.93	9.45	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.91	9.37	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.27	9.71	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.27	9.79	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.27	9.73	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.27	9.77	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.40	14.12	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.40	14.09	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.06	14.78	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.12	14.81	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.12	15.25	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.12	15.04	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.86	18.62	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.82	18.54	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.86	19.70	Pass
15KHz	20MHz	CP-16QAM	Outer_Full	18.86	19.74	Pass

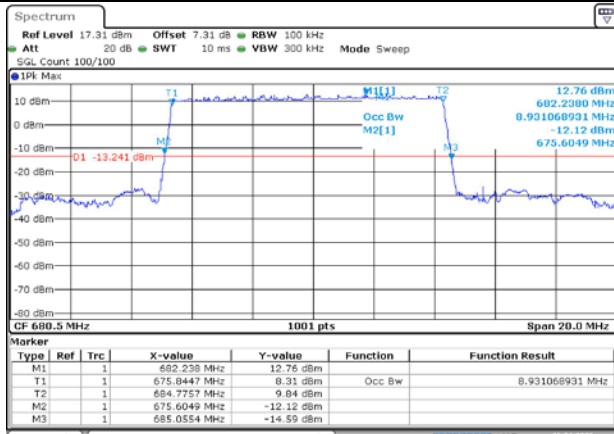
15KHz	20MHz	CP-64QAM	Outer_Full	18.90	19.62	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	18.86	19.70	Pass

4.2. Test Plots for SCS=15KHz



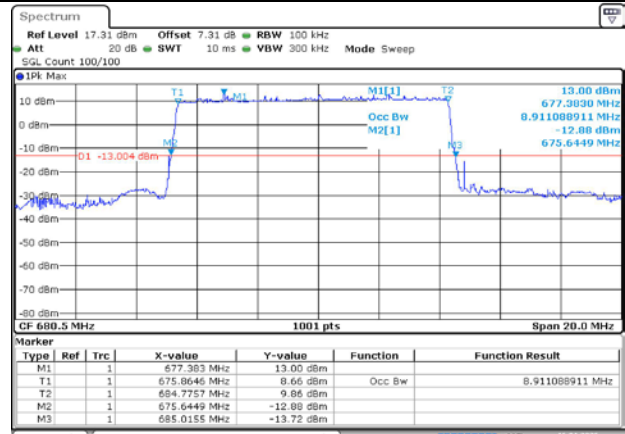
n71A / 15KHz / 10MHz

MCH / DFT-Pi2BPSK / Outer_Full



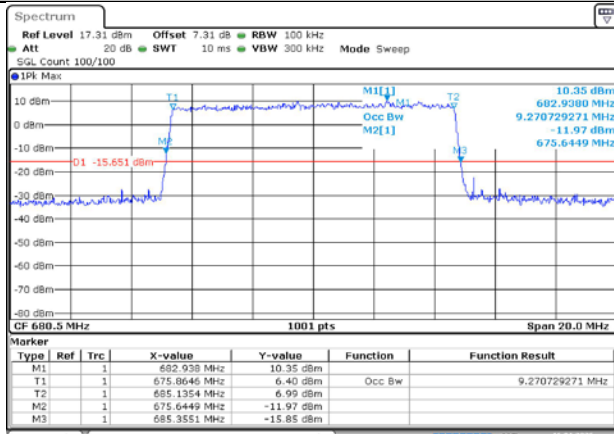
Date: 16 JAN 2026 22:12:10

MCH / DFT-QPSK / Outer_Full



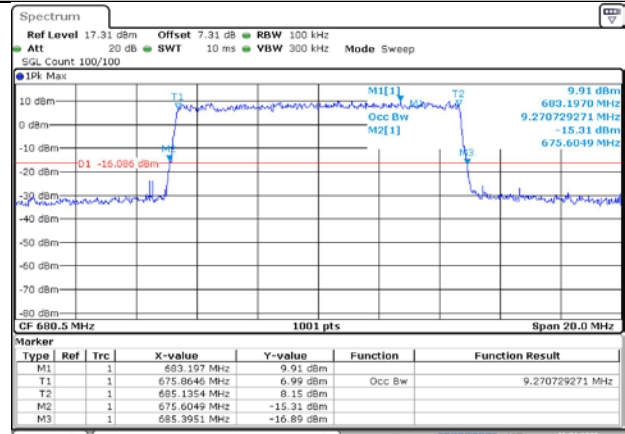
Date: 16 JAN 2026 22:12:17

MCH / CP-QPSK / Outer_Full



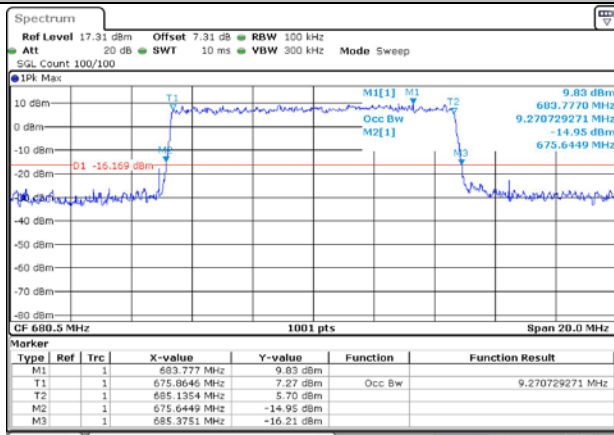
Date: 16 JAN 2026 22:12:24

MCH / CP-16QAM / Outer_Full



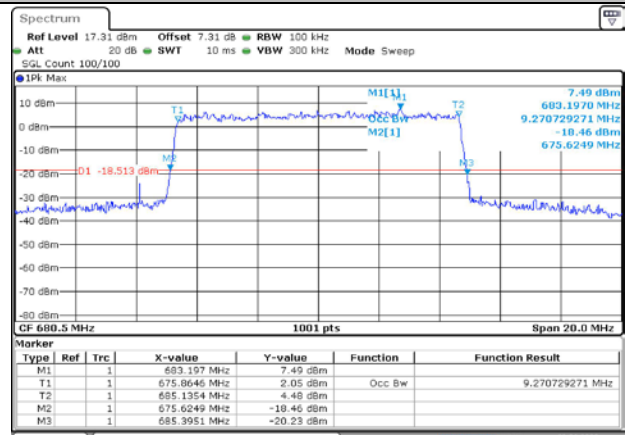
Date: 16 JAN 2026 22:12:29

MCH / CP-64QAM / Outer_Full



Date: 16 JAN 2026 22:12:33

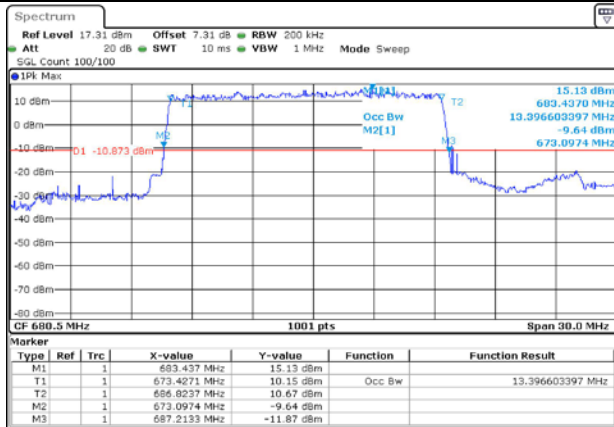
MCH / CP-256QAM / Outer_Full



Date: 16 JAN 2026 22:12:41

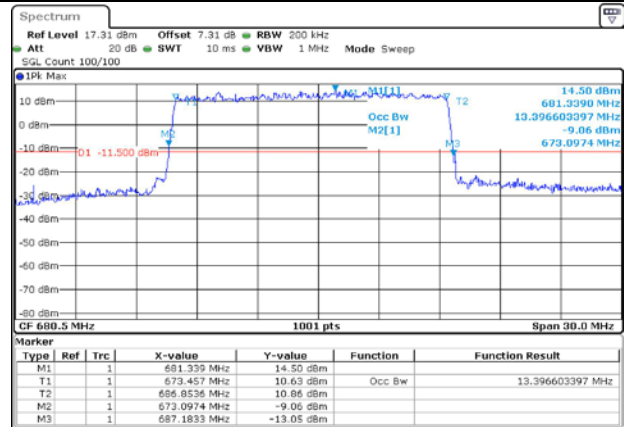
n71A / 15KHz / 15MHz

MCH / DFT-Pi2BPSK / Outer_Full



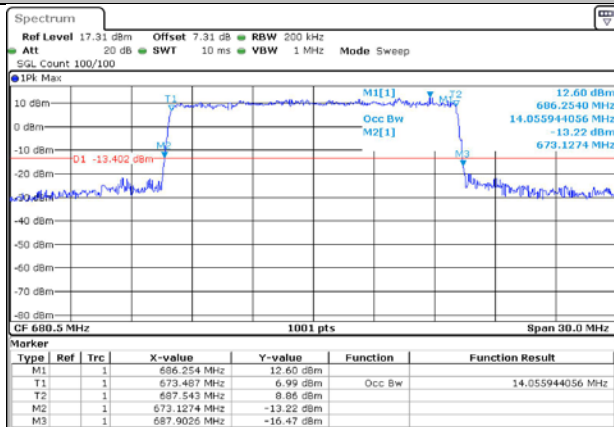
Date: 16 JAN 2026 22:12:53

MCH / DFT-QPSK / Outer_Full



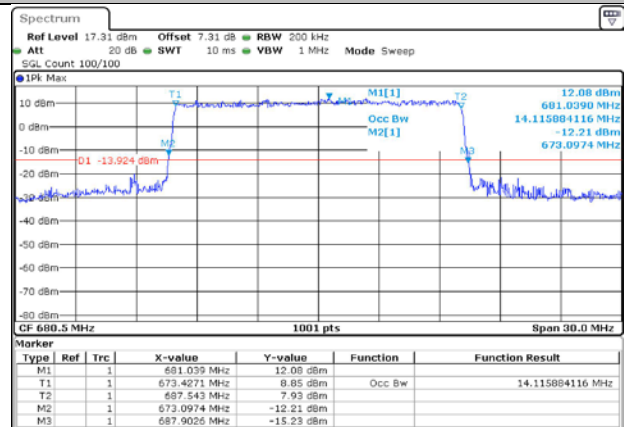
Date: 16 JAN 2026 22:13:01

MCH / CP-QPSK / Outer_Full



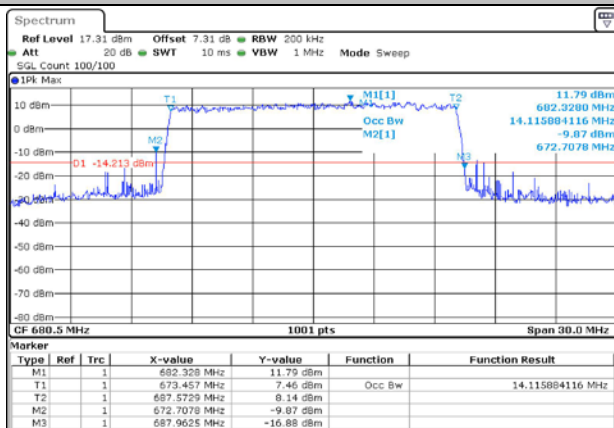
Date: 16 JAN 2026 22:13:08

MCH / CP-16QAM / Outer_Full



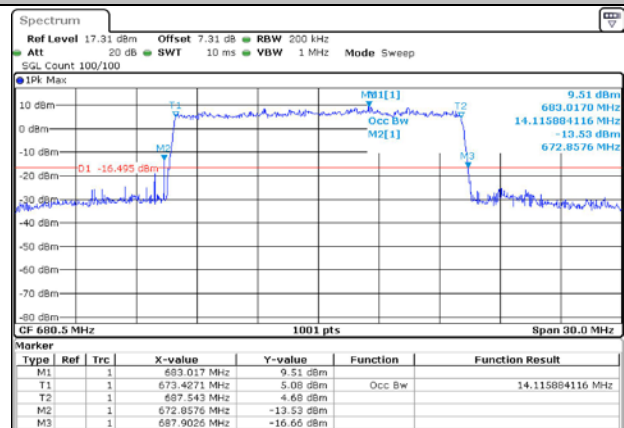
Date: 16 JAN 2026 22:13:13

MCH / CP-64QAM / Outer_Full



Date: 16 JAN 2026 22:13:18

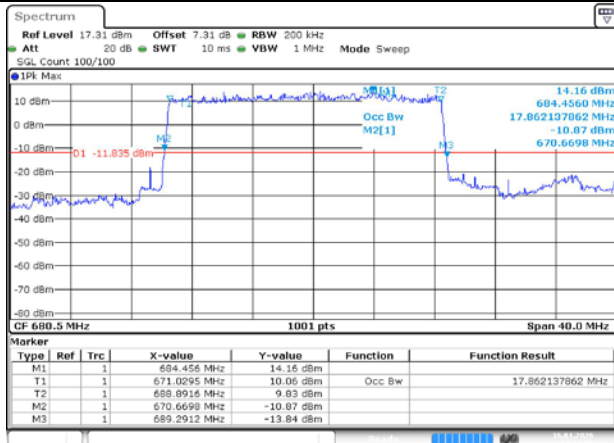
MCH / CP-256QAM / Outer_Full



Date: 16 JAN 2026 22:13:26

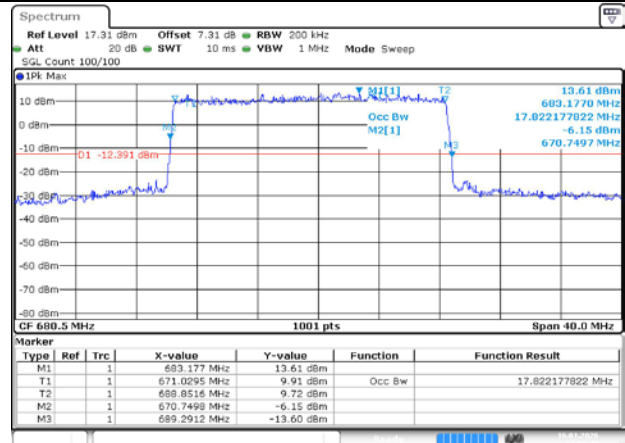
n71A / 15KHz / 20MHz

MCH / DFT-Pi2BPSK / Outer_Full



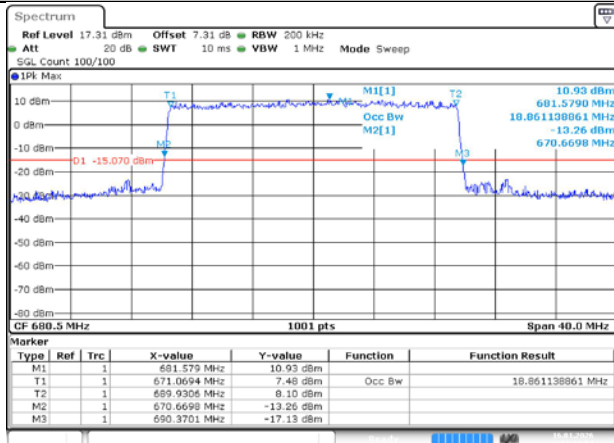
Date: 16 JAN 2026 22:13:39

MCH / DFT-QPSK / Outer_Full



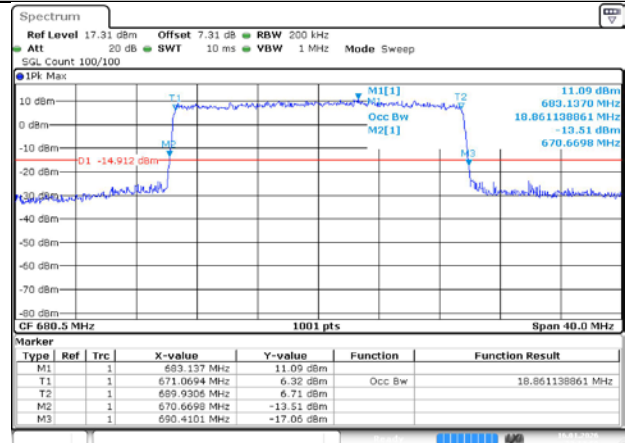
Date: 16 JAN 2026 22:13:47

MCH / CP-QPSK / Outer_Full



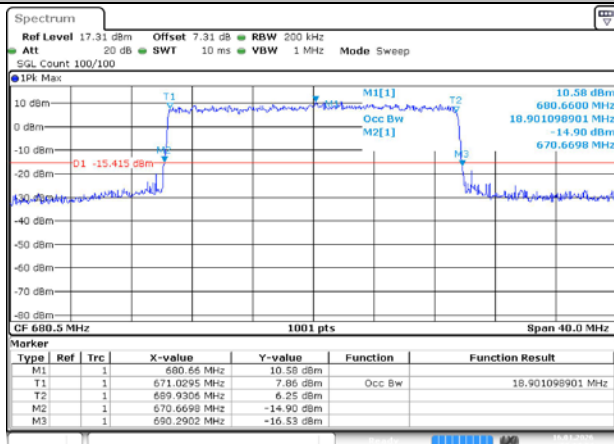
Date: 16 JAN 2026 22:13:54

MCH / CP-16QAM / Outer_Full



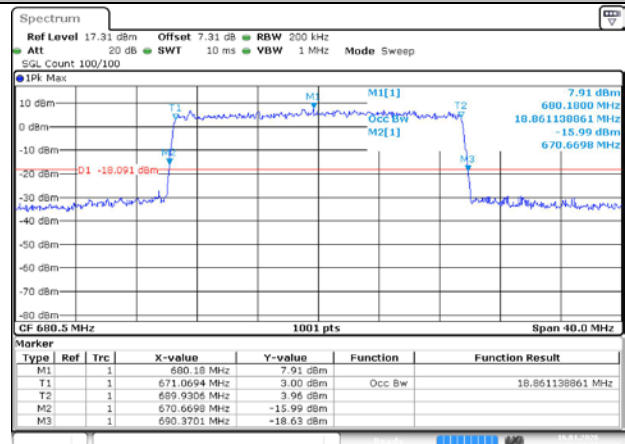
Date: 16 JAN 2026 22:13:59

MCH / CP-64QAM / Outer_Full



Date: 16 JAN 2026 22:14:05

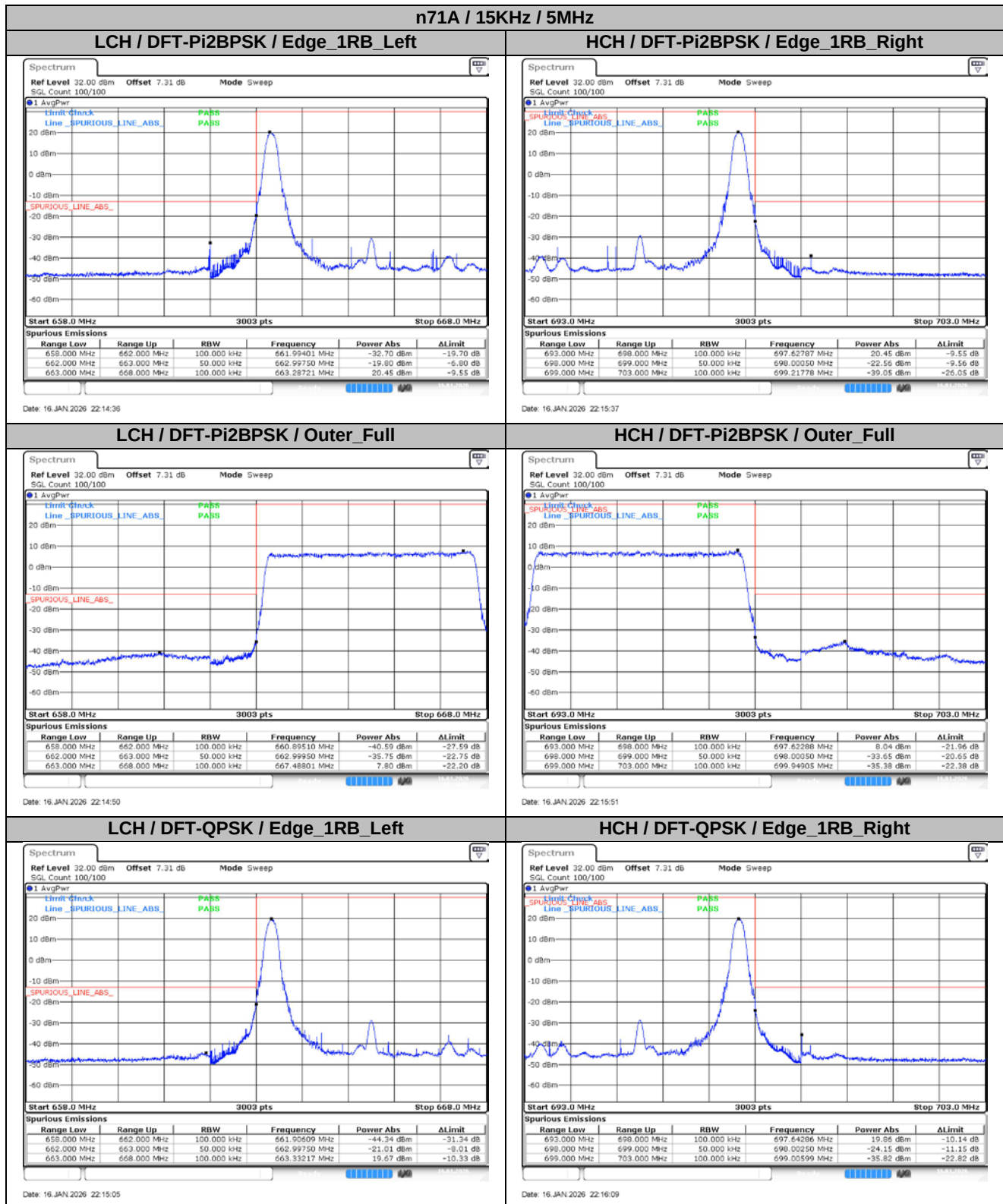
MCH / CP-256QAM / Outer_Full

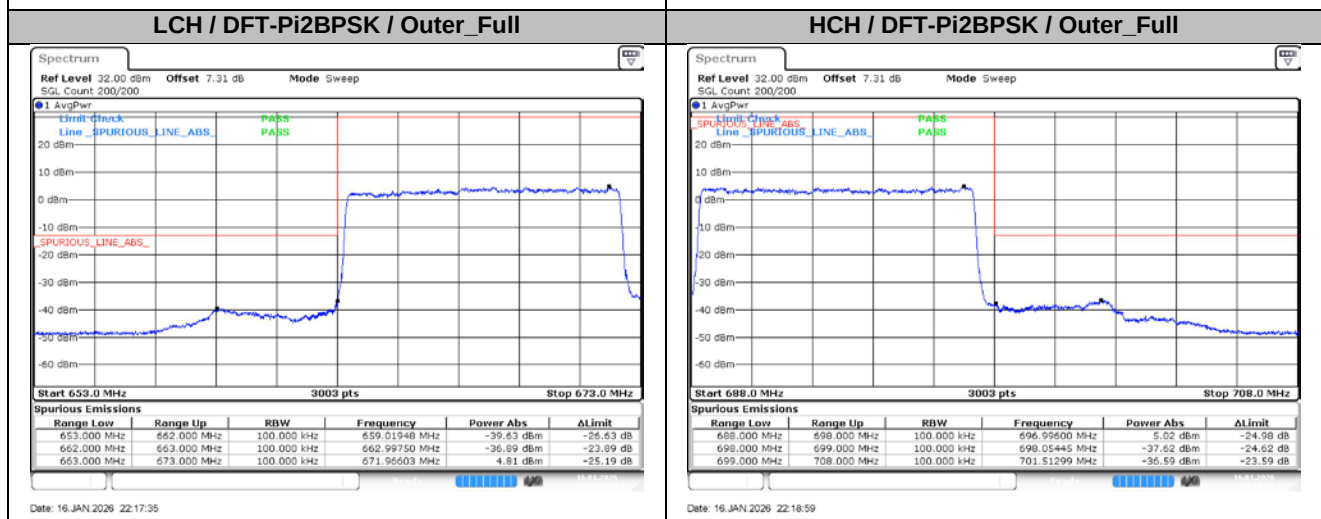
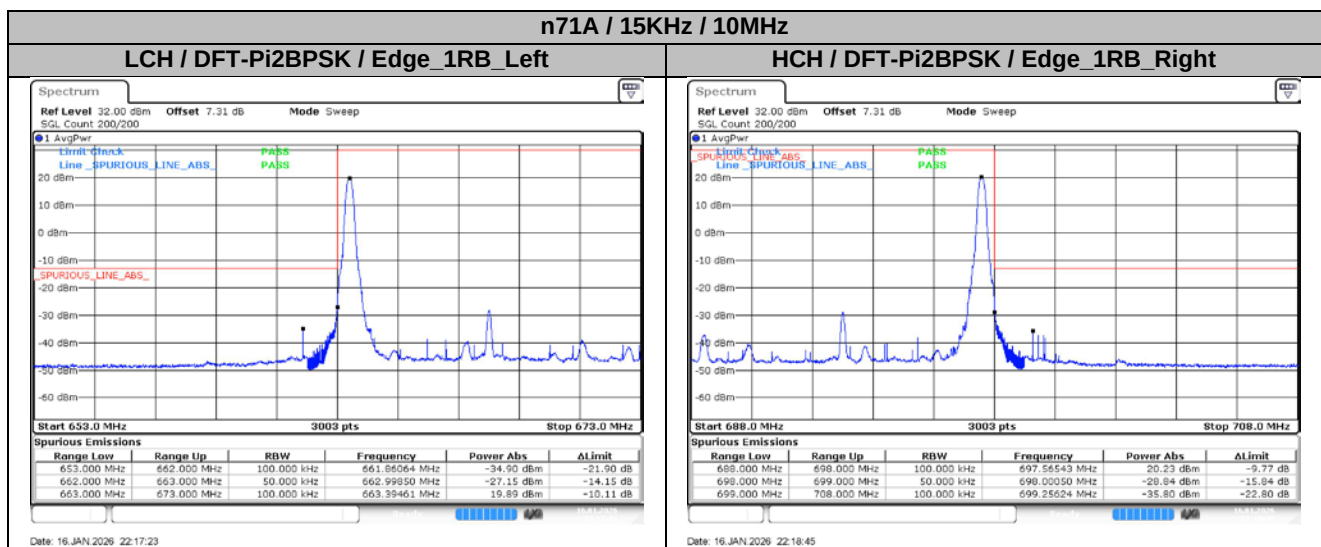
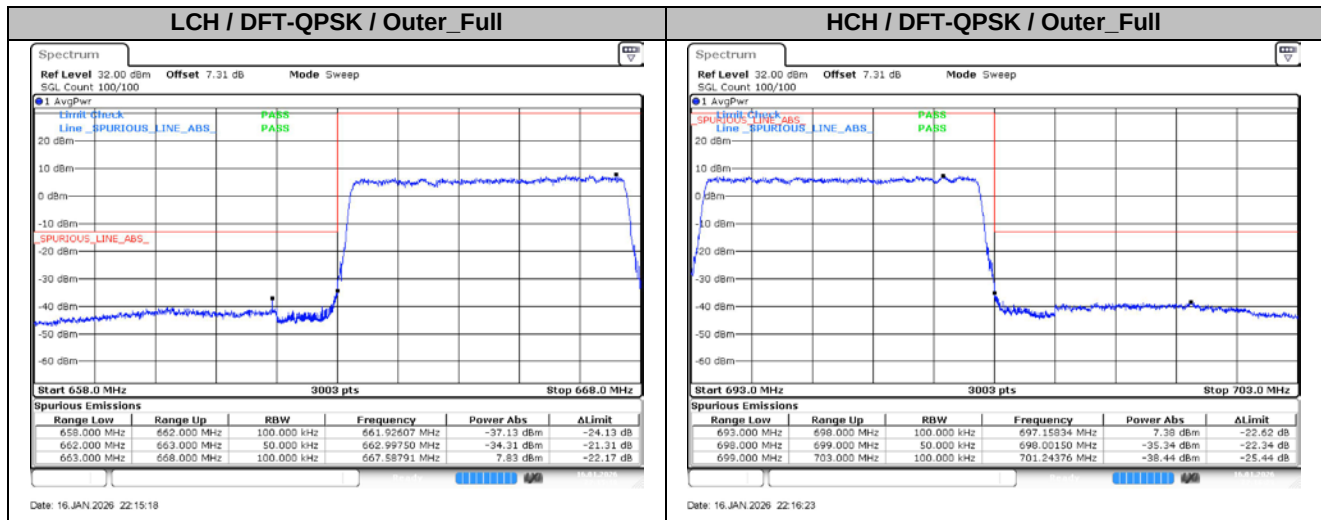


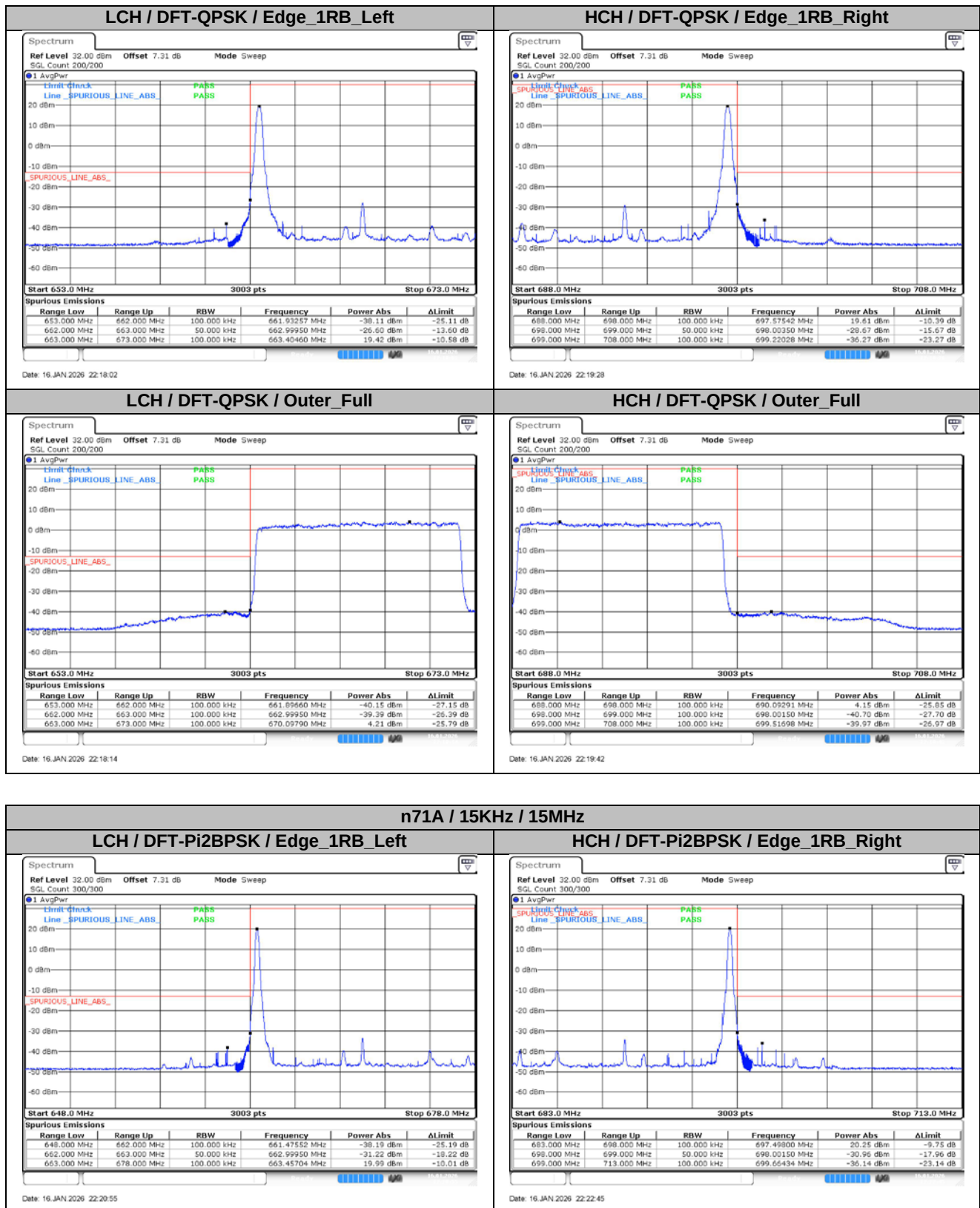
Date: 16 JAN 2026 22:14:12

5. Conducted Band Edges

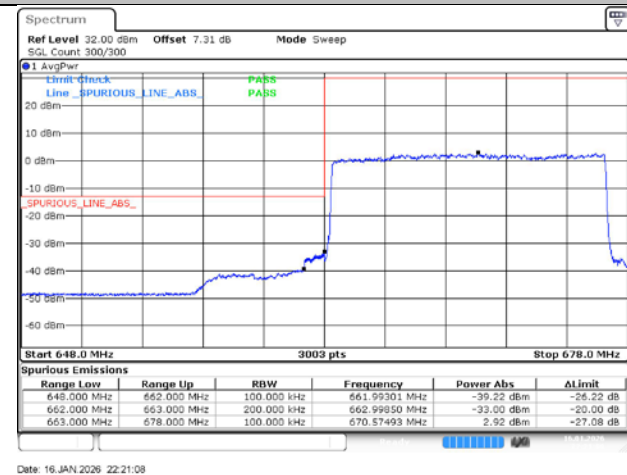
5.1. Test Plots for SCS=15KHz



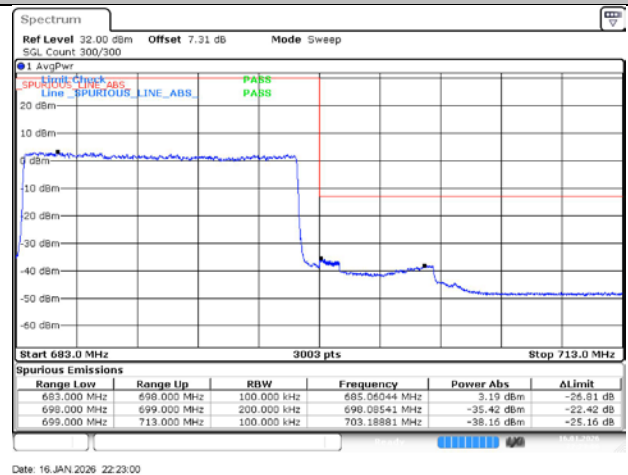




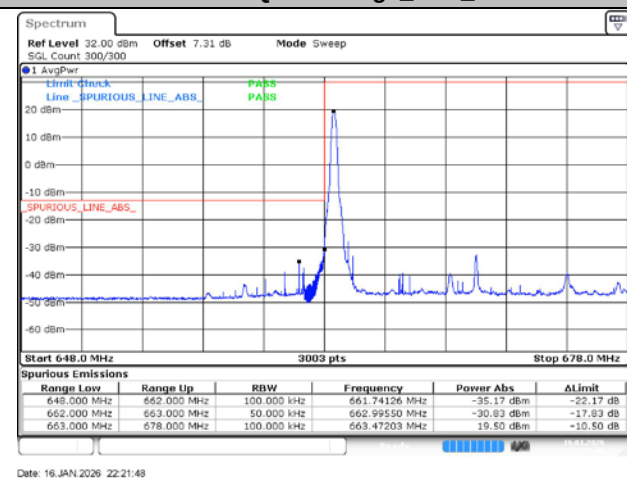
LCH / DFT-Pi2BPSK / Outer_Full



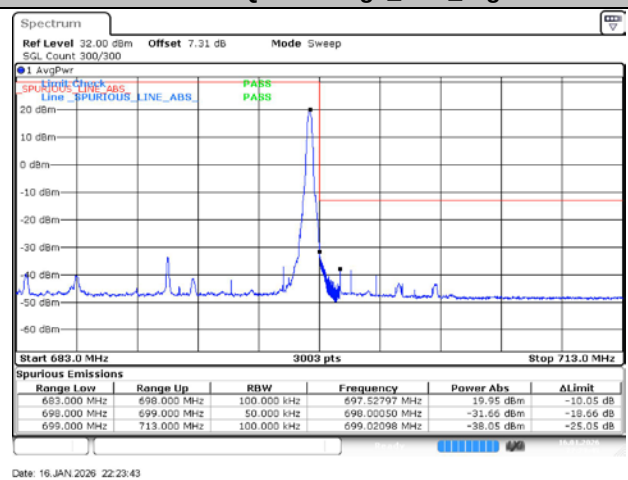
HCH / DFT-Pi2BPSK / Outer_Full



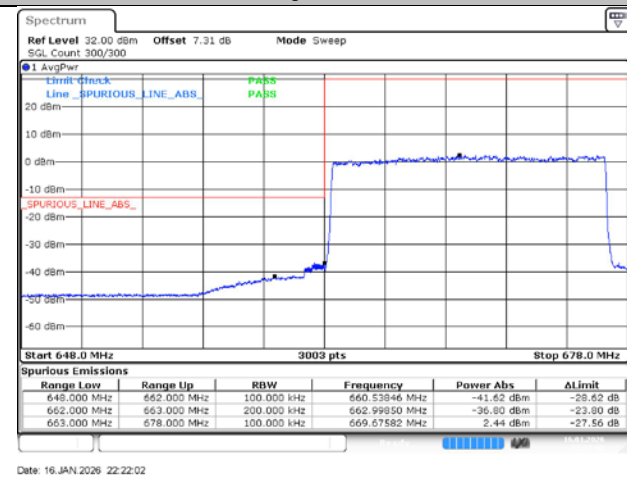
LCH / DFT-QPSK / Edge_1RB_Left



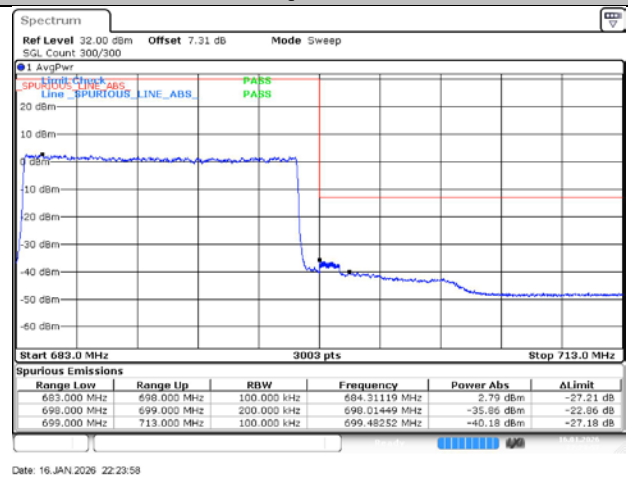
HCH / DFT-QPSK / Edge_1RB_Right



LCH / DFT-QPSK / Outer_Full

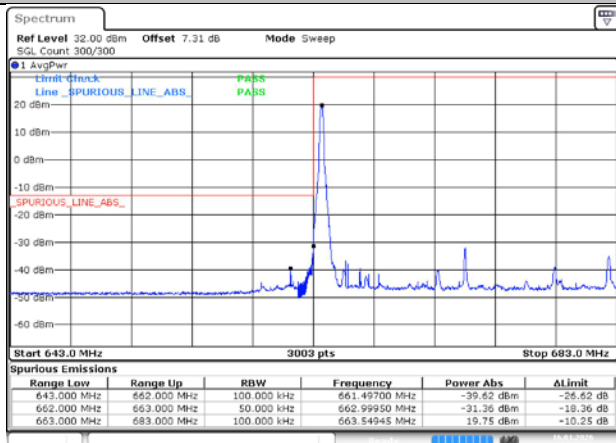


HCH / DFT-QPSK / Outer_Full



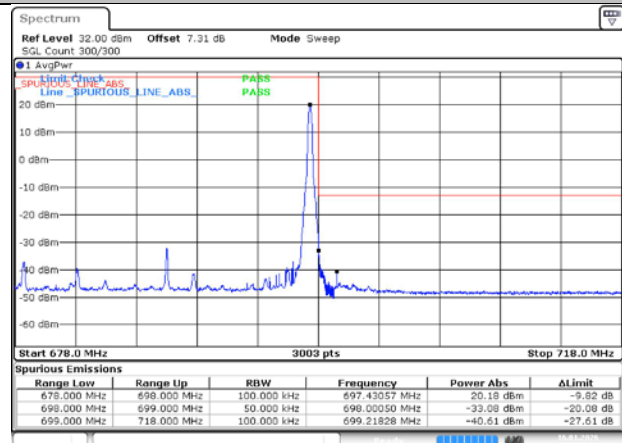
n71A / 15KHz / 20MHz

LCH / DFT-Pi2BPSK / Edge_1RB_Left



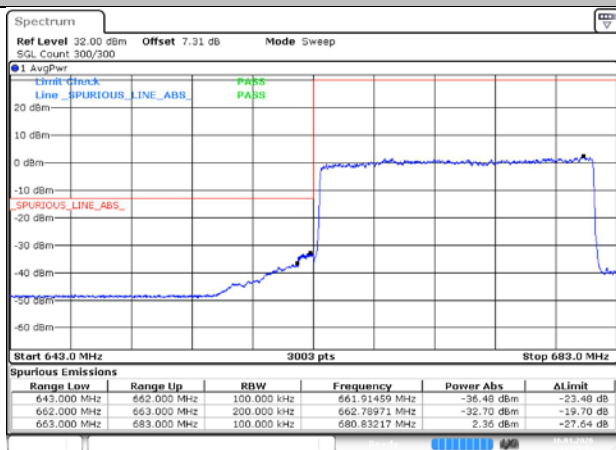
Date: 16 JAN 2026 22:25:11

HCH / DFT-Pi2BPSK / Edge_1RB_Right



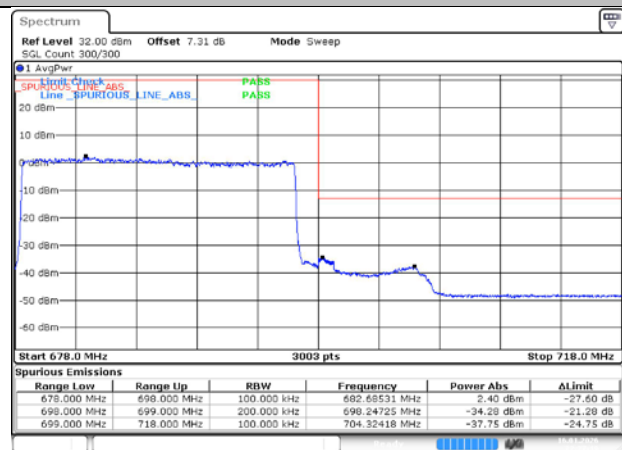
Date: 16 JAN 2026 22:27:04

LCH / DFT-Pi2BPSK / Outer_Full



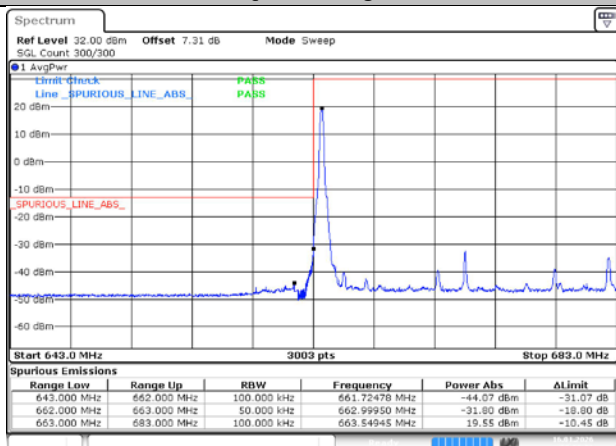
Date: 16 JAN 2026 22:25:25

HCH / DFT-Pi2BPSK / Outer_Full



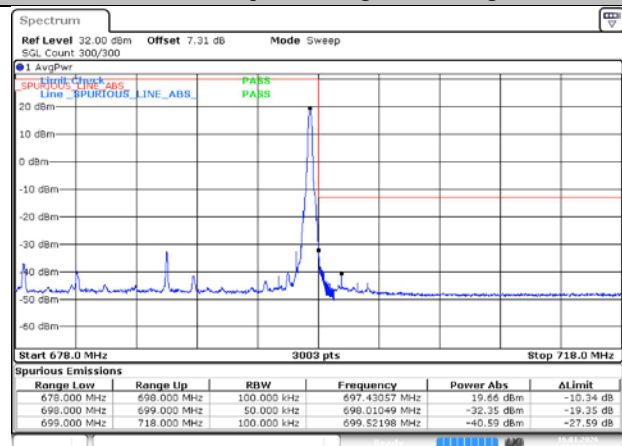
Date: 16 JAN 2026 22:27:19

LCH / DFT-QPSK / Edge_1RB_Left

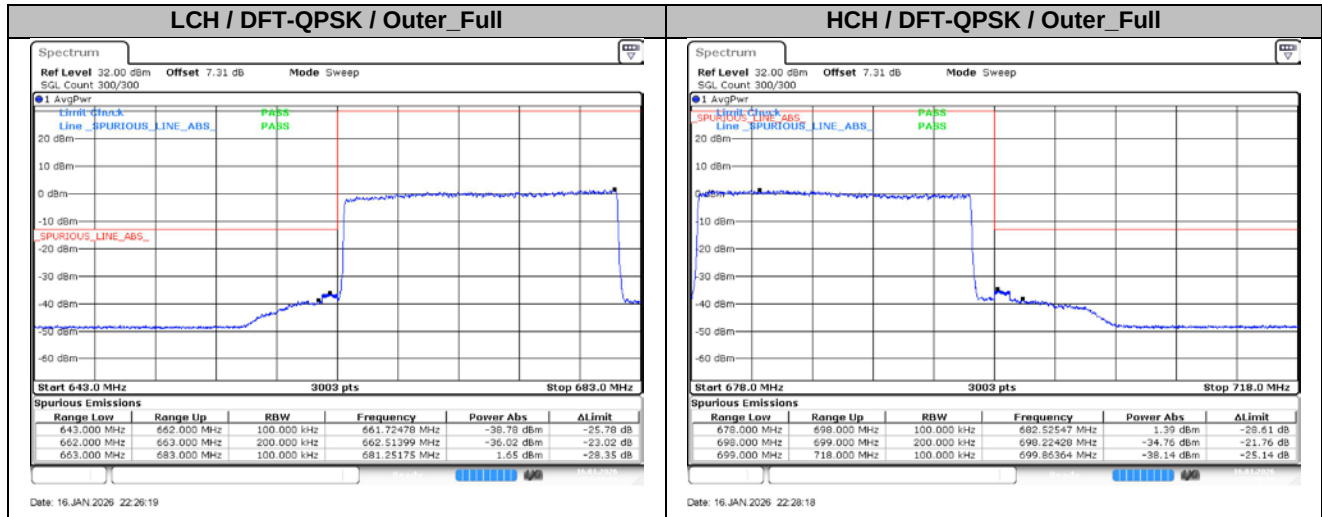


Date: 16 JAN 2026 22:26:09

HCH / DFT-QPSK / Edge_1RB_Right

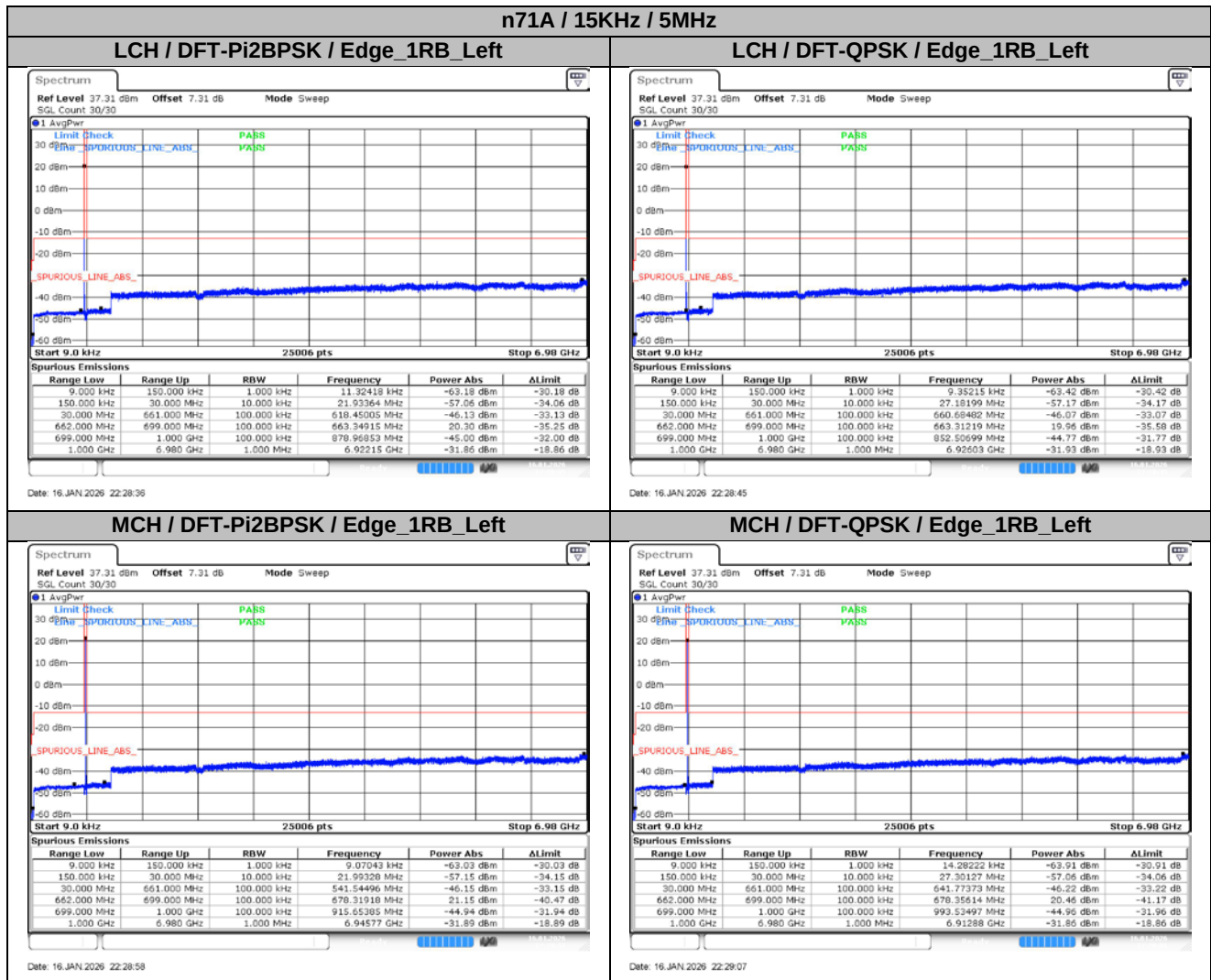


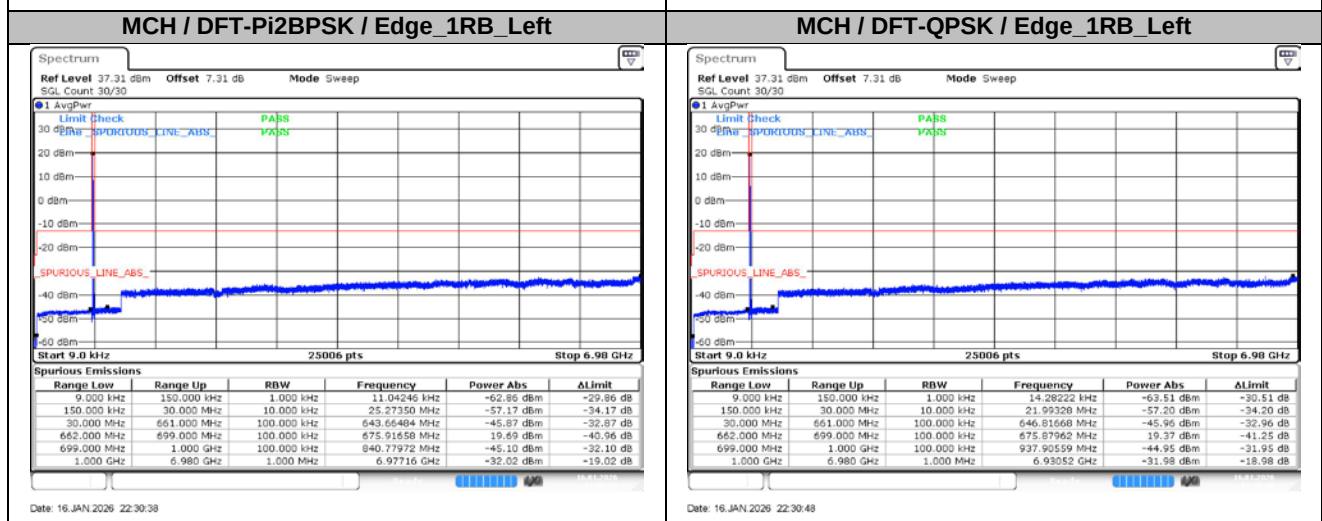
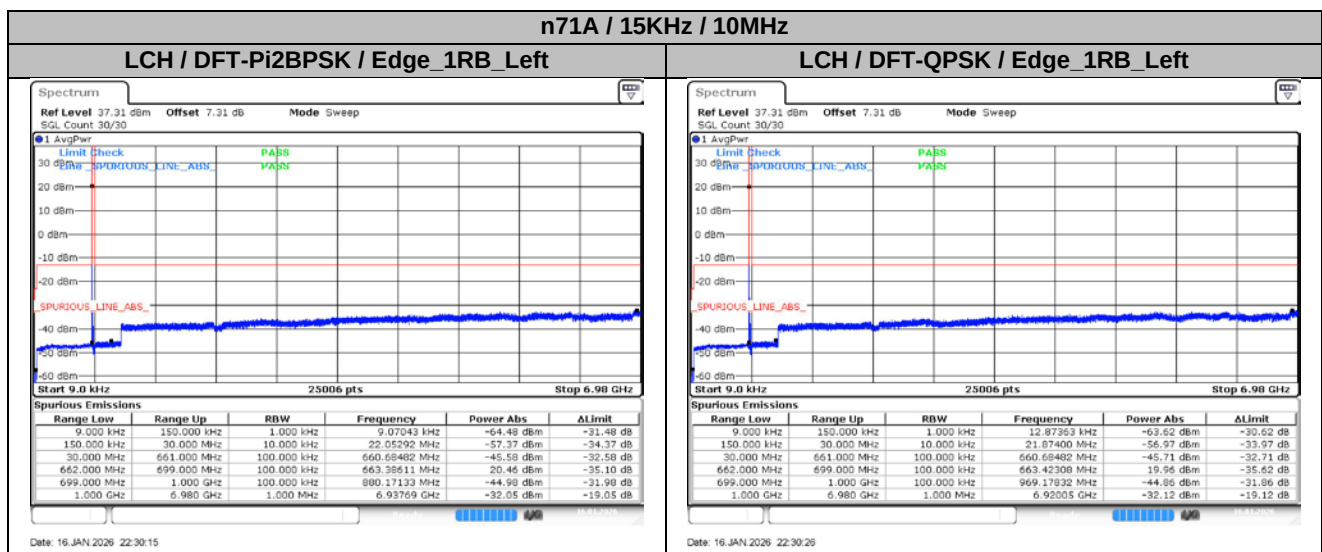
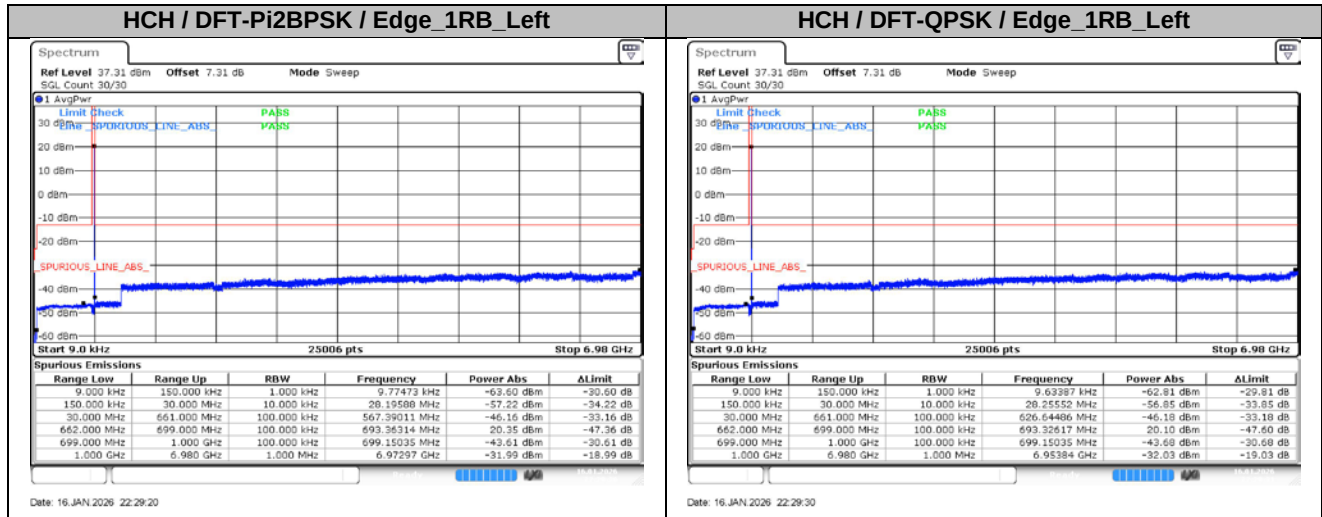
Date: 16 JAN 2026 22:28:02



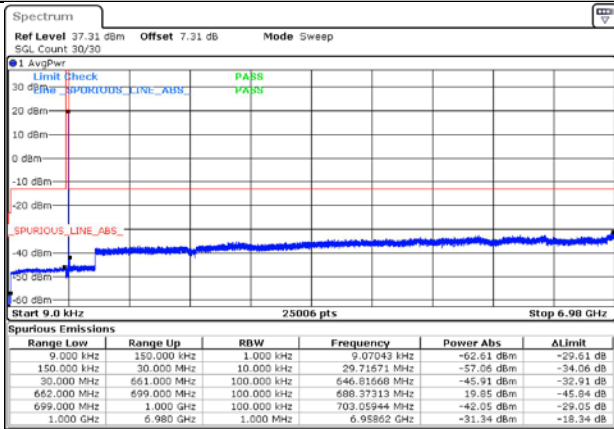
6. Conducted Spurious Emission

6.1. Test Plots for SCS=15KHz



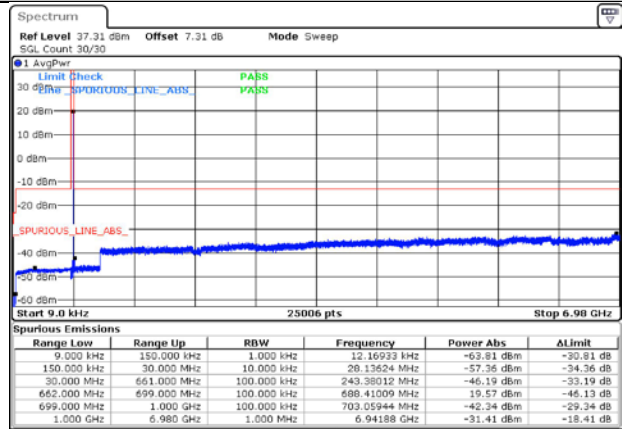


HCH / DFT-Pi2BPSK / Edge_1RB_Left



Date: 16 JAN 2026 22:31:01

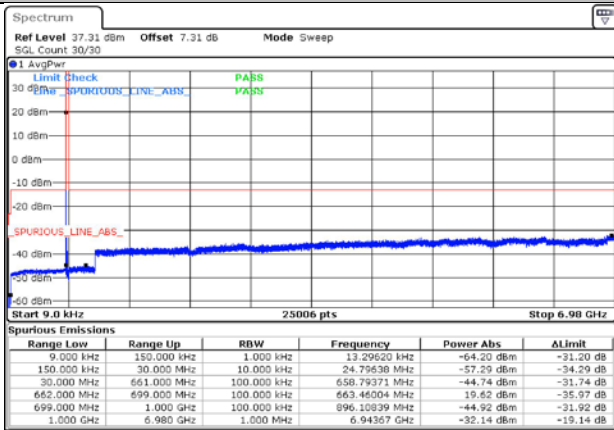
HCH / DFT-QPSK / Edge_1RB_Left



Date: 16 JAN 2026 22:31:11

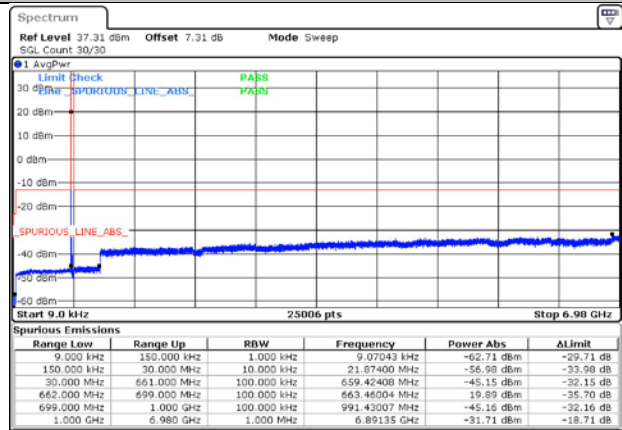
n71A / 15KHz / 15MHz

LCH / DFT-Pi2BPSK / Edge_1RB_Left



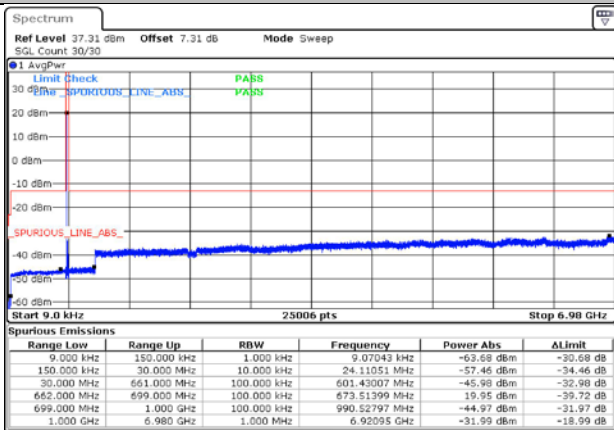
Date: 16 JAN 2026 22:31:56

LCH / DFT-QPSK / Edge_1RB_Left



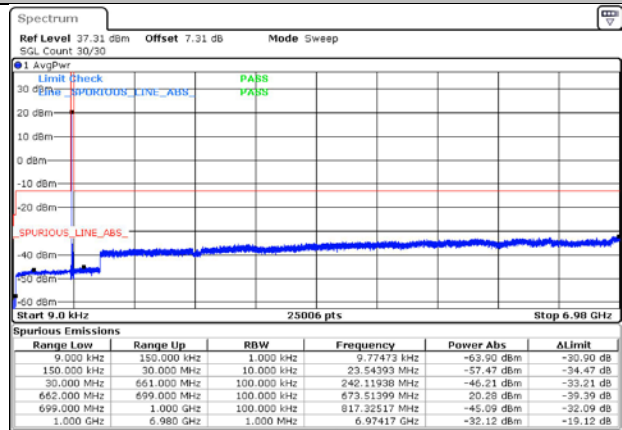
Date: 16 JAN 2026 22:32:06

MCH / DFT-Pi2BPSK / Edge_1RB_Left



Date: 16 JAN 2026 22:32:18

MCH / DFT-QPSK / Edge_1RB_Left



Date: 16 JAN 2026 22:32:29