

Appendix for n66A (1710-1780)

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1. Effective Isotropic Radiated Power

1.1. Test Results @ Ant0 (Antenna Gain=-0.90dBi)

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	23.47	23.49	23.56	22.66	30.00	Pass
15KHz	5MHz	LCH	DFT-QPSK	23.57	23.51	23.45	22.67	30.00	Pass
15KHz	5MHz	LCH	DFT-16QAM	22.44	22.49	22.51	21.61	30.00	Pass
15KHz	5MHz	LCH	DFT-64QAM	21.01	21.10	20.96	20.20	30.00	Pass
15KHz	5MHz	LCH	DFT-256QAM	18.42	18.44	18.92	18.02	30.00	Pass
15KHz	5MHz	LCH	CP-QPSK	22.00	21.92	21.99	21.10	30.00	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	23.89	23.97	23.93	23.07	30.00	Pass
15KHz	5MHz	MCH	DFT-QPSK	23.91	23.87	23.82	23.01	30.00	Pass
15KHz	5MHz	MCH	DFT-16QAM	22.82	22.85	22.74	21.95	30.00	Pass
15KHz	5MHz	MCH	DFT-64QAM	21.39	21.46	21.35	20.56	30.00	Pass
15KHz	5MHz	MCH	DFT-256QAM	18.97	18.73	19.44	18.54	30.00	Pass
15KHz	5MHz	MCH	CP-QPSK	22.43	22.36	22.35	21.53	30.00	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	23.96	23.88	23.95	23.06	30.00	Pass
15KHz	5MHz	HCH	DFT-QPSK	23.83	23.77	23.67	22.93	30.00	Pass
15KHz	5MHz	HCH	DFT-16QAM	22.71	22.69	22.80	21.90	30.00	Pass
15KHz	5MHz	HCH	DFT-64QAM	21.40	21.28	21.18	20.50	30.00	Pass
15KHz	5MHz	HCH	DFT-256QAM	18.73	18.64	19.13	18.23	30.00	Pass
15KHz	5MHz	HCH	CP-QPSK	22.40	22.20	22.18	21.50	30.00	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	23.78	23.68	23.72	22.88	30.00	Pass
15KHz	10MHz	LCH	DFT-QPSK	23.73	23.69	23.69	22.83	30.00	Pass
15KHz	10MHz	LCH	DFT-16QAM	22.51	22.59	22.63	21.73	30.00	Pass
15KHz	10MHz	LCH	DFT-64QAM	21.15	21.12	20.95	20.25	30.00	Pass
15KHz	10MHz	LCH	DFT-256QAM	18.88	18.52	19.06	18.16	30.00	Pass
15KHz	10MHz	LCH	CP-QPSK	22.21	22.17	22.15	21.31	30.00	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	23.80	23.90	23.93	23.03	30.00	Pass
15KHz	10MHz	MCH	DFT-QPSK	23.83	23.83	23.84	22.94	30.00	Pass
15KHz	10MHz	MCH	DFT-16QAM	22.77	22.73	22.80	21.90	30.00	Pass
15KHz	10MHz	MCH	DFT-64QAM	21.40	21.44	21.20	20.54	30.00	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.75	18.70	19.19	18.29	30.00	Pass
15KHz	10MHz	MCH	CP-QPSK	22.37	22.24	22.18	21.47	30.00	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	23.77	23.77	23.85	22.95	30.00	Pass
15KHz	10MHz	HCH	DFT-QPSK	23.86	23.70	23.71	22.96	30.00	Pass
15KHz	10MHz	HCH	DFT-16QAM	22.79	22.67	22.67	21.89	30.00	Pass
15KHz	10MHz	HCH	DFT-64QAM	21.38	21.31	21.22	20.48	30.00	Pass
15KHz	10MHz	HCH	DFT-256QAM	18.63	18.58	19.06	18.16	30.00	Pass
15KHz	10MHz	HCH	CP-QPSK	22.20	22.21	22.23	21.33	30.00	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	23.90	23.75	23.75	23.00	30.00	Pass
15KHz	15MHz	LCH	DFT-QPSK	23.65	23.69	23.47	22.79	30.00	Pass
15KHz	15MHz	LCH	DFT-16QAM	22.55	22.54	22.44	21.65	30.00	Pass
15KHz	15MHz	LCH	DFT-64QAM	21.12	21.28	20.95	20.38	30.00	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.60	18.60	18.94	18.04	30.00	Pass
15KHz	15MHz	LCH	CP-QPSK	22.30	22.18	22.07	21.40	30.00	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	23.66	23.83	23.68	22.93	30.00	Pass
15KHz	15MHz	MCH	DFT-QPSK	23.83	23.81	23.73	22.93	30.00	Pass
15KHz	15MHz	MCH	DFT-16QAM	22.74	22.72	22.63	21.84	30.00	Pass
15KHz	15MHz	MCH	DFT-64QAM	21.22	21.17	21.14	20.32	30.00	Pass
15KHz	15MHz	MCH	DFT-256QAM	18.74	18.71	19.12	18.22	30.00	Pass
15KHz	15MHz	MCH	CP-QPSK	22.26	22.32	22.13	21.42	30.00	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	23.69	23.66	23.68	22.79	30.00	Pass
15KHz	15MHz	HCH	DFT-QPSK	23.55	23.62	23.53	22.72	30.00	Pass
15KHz	15MHz	HCH	DFT-16QAM	22.58	22.63	22.55	21.73	30.00	Pass
15KHz	15MHz	HCH	DFT-64QAM	21.22	21.28	21.08	20.38	30.00	Pass
15KHz	15MHz	HCH	DFT-256QAM	18.52	18.58	18.90	18.00	30.00	Pass
15KHz	15MHz	HCH	CP-QPSK	22.30	22.18	21.95	21.40	30.00	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	23.56	23.61	23.67	22.77	30.00	Pass
15KHz	20MHz	LCH	DFT-QPSK	23.52	23.52	23.61	22.71	30.00	Pass
15KHz	20MHz	LCH	DFT-16QAM	22.54	22.49	22.44	21.64	30.00	Pass
15KHz	20MHz	LCH	DFT-64QAM	21.15	21.10	20.83	20.25	30.00	Pass

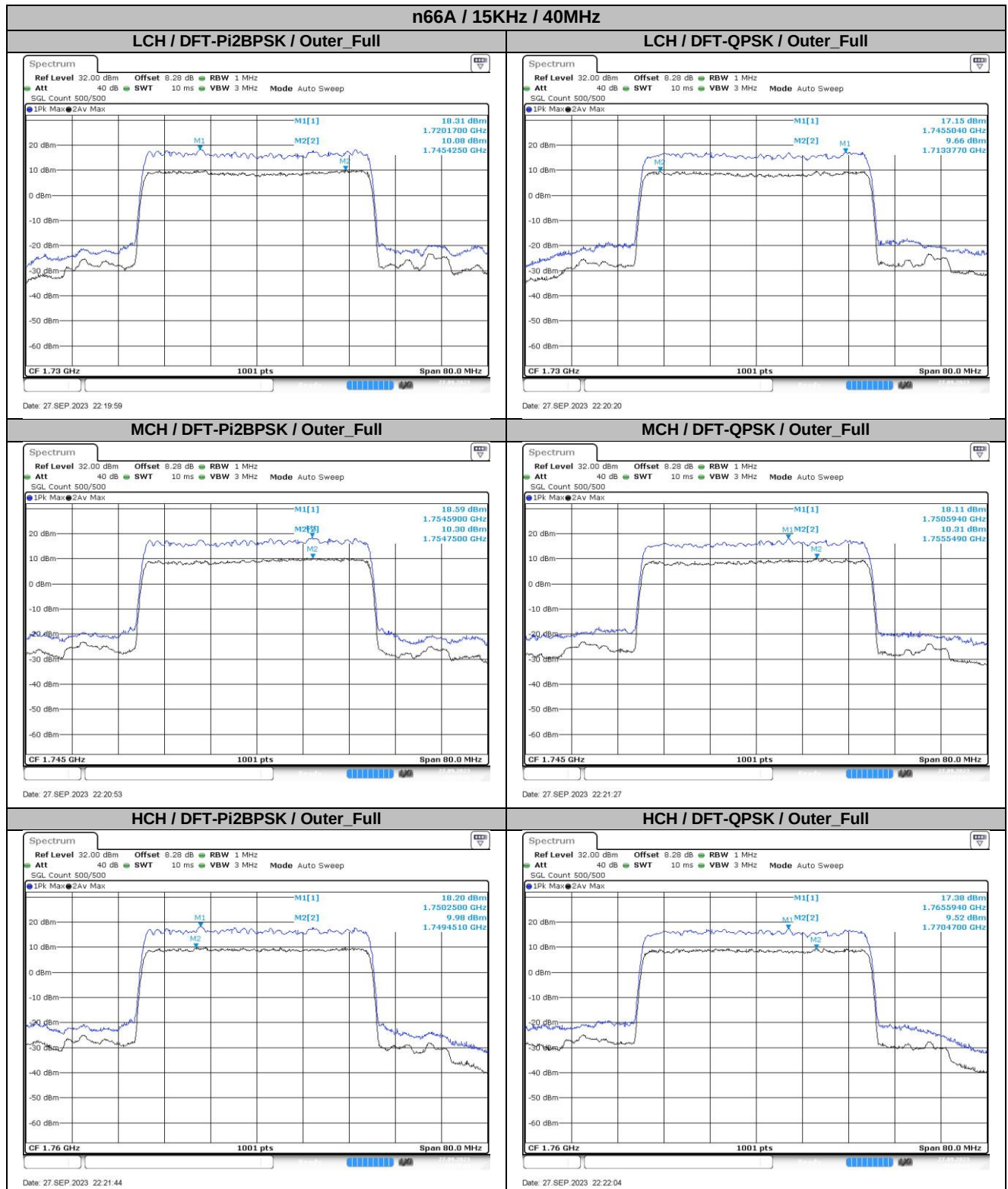
15KHz	20MHz	LCH	DFT-256QAM	18.41	18.30	18.87	17.97	30.00	Pass
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15KHz	20MHz	MCH	DFT-Pi2BPSK	23.75	23.72	23.71	22.85	30.00	Pass
15KHz	20MHz	MCH	DFT-QPSK	23.58	23.69	23.70	22.80	30.00	Pass
15KHz	20MHz	MCH	DFT-16QAM	22.64	22.78	22.76	21.88	30.00	Pass
15KHz	20MHz	MCH	DFT-64QAM	21.31	21.50	21.12	20.60	30.00	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.59	18.71	19.16	18.26	30.00	Pass
15KHz	20MHz	MCH	CP-QPSK	22.30	22.18	22.22	21.40	30.00	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	23.79	23.75	23.63	22.89	30.00	Pass
15KHz	20MHz	HCH	DFT-QPSK	23.69	23.73	23.65	22.83	30.00	Pass
15KHz	20MHz	HCH	DFT-16QAM	22.64	22.63	22.57	21.74	30.00	Pass
15KHz	20MHz	HCH	DFT-64QAM	21.32	21.26	21.12	20.42	30.00	Pass
15KHz	20MHz	HCH	DFT-256QAM	18.62	18.49	18.95	18.05	30.00	Pass
15KHz	20MHz	HCH	CP-QPSK	22.37	22.16	22.05	21.47	30.00	Pass
15KHz	30MHz	LCH	DFT-Pi2BPSK	23.68	23.98	23.81	23.08	30.00	Pass
15KHz	30MHz	LCH	DFT-QPSK	23.85	23.60	23.60	22.95	30.00	Pass
15KHz	30MHz	LCH	DFT-16QAM	22.50	22.55	22.43	21.65	30.00	Pass
15KHz	30MHz	LCH	DFT-64QAM	21.15	21.27	20.98	20.37	30.00	Pass
15KHz	30MHz	LCH	DFT-256QAM	18.38	18.51	18.88	17.98	30.00	Pass
15KHz	30MHz	LCH	CP-QPSK	21.94	21.91	21.93	21.04	30.00	Pass
15KHz	30MHz	MCH	DFT-Pi2BPSK	23.70	23.80	23.78	22.90	30.00	Pass
15KHz	30MHz	MCH	DFT-QPSK	23.67	23.74	23.77	22.87	30.00	Pass
15KHz	30MHz	MCH	DFT-16QAM	22.55	22.79	22.55	21.89	30.00	Pass
15KHz	30MHz	MCH	DFT-64QAM	21.21	21.38	21.05	20.48	30.00	Pass
15KHz	30MHz	MCH	DFT-256QAM	18.73	18.81	19.21	18.31	30.00	Pass
15KHz	30MHz	MCH	CP-QPSK	22.23	22.34	22.21	21.44	30.00	Pass
15KHz	30MHz	HCH	DFT-Pi2BPSK	23.93	23.73	23.97	23.07	30.00	Pass
15KHz	30MHz	HCH	DFT-QPSK	23.63	23.65	23.71	22.81	30.00	Pass
15KHz	30MHz	HCH	DFT-16QAM	22.72	22.32	22.47	21.82	30.00	Pass
15KHz	30MHz	HCH	DFT-64QAM	21.26	21.33	21.07	20.43	30.00	Pass
15KHz	30MHz	HCH	DFT-256QAM	18.57	18.68	19.02	18.12	30.00	Pass
15KHz	30MHz	HCH	CP-QPSK	22.11	22.19	22.15	21.29	30.00	Pass
15KHz	40MHz	LCH	DFT-Pi2BPSK	23.61	23.77	23.96	23.06	30.00	Pass
15KHz	40MHz	LCH	DFT-QPSK	23.70	23.68	23.65	22.80	30.00	Pass
15KHz	40MHz	LCH	DFT-16QAM	22.54	22.58	22.58	21.68	30.00	Pass
15KHz	40MHz	LCH	DFT-64QAM	21.10	21.19	20.92	20.29	30.00	Pass
15KHz	40MHz	LCH	DFT-256QAM	18.38	18.60	18.90	18.00	30.00	Pass
15KHz	40MHz	LCH	CP-QPSK	21.96	22.06	21.99	21.16	30.00	Pass
15KHz	40MHz	MCH	DFT-Pi2BPSK	23.56	23.77	23.78	22.88	30.00	Pass
15KHz	40MHz	MCH	DFT-QPSK	23.61	23.72	23.70	22.82	30.00	Pass
15KHz	40MHz	MCH	DFT-16QAM	22.64	22.83	22.69	21.93	30.00	Pass
15KHz	40MHz	MCH	DFT-64QAM	21.18	21.29	21.06	20.39	30.00	Pass
15KHz	40MHz	MCH	DFT-256QAM	18.89	18.75	19.17	18.27	30.00	Pass
15KHz	40MHz	MCH	CP-QPSK	22.27	22.34	22.21	21.44	30.00	Pass
15KHz	40MHz	HCH	DFT-Pi2BPSK	23.01	23.88	23.96	23.06	30.00	Pass
15KHz	40MHz	HCH	DFT-QPSK	23.76	23.50	23.68	22.86	30.00	Pass
15KHz	40MHz	HCH	DFT-16QAM	22.36	22.56	22.61	21.71	30.00	Pass
15KHz	40MHz	HCH	DFT-64QAM	20.92	20.94	21.08	20.18	30.00	Pass
15KHz	40MHz	HCH	DFT-256QAM	18.98	18.57	18.98	18.08	30.00	Pass
15KHz	40MHz	HCH	CP-QPSK	21.83	22.00	22.00	21.10	30.00	Pass

2. Peak-to-Average Ratio

2.1. Test Results

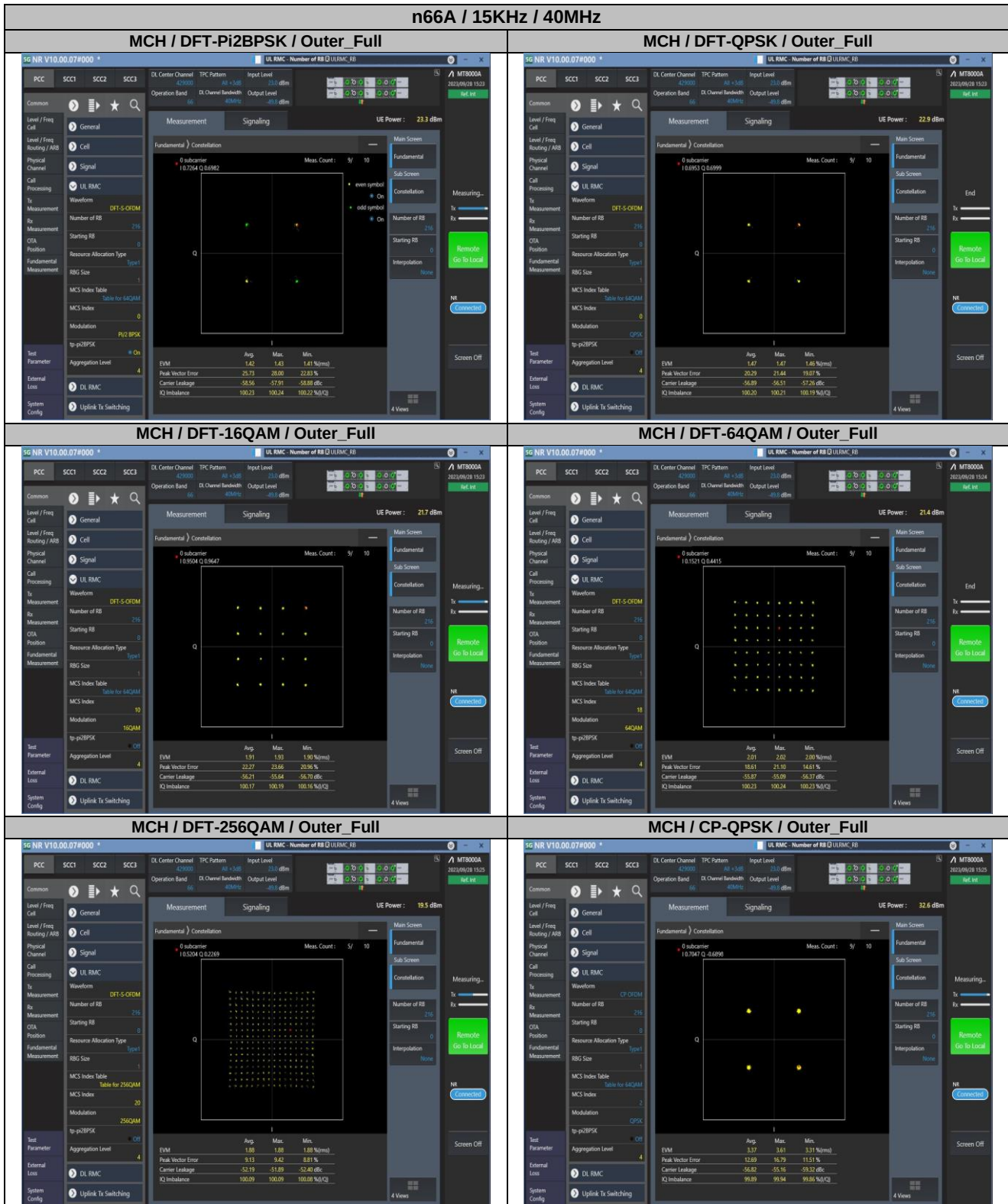
SCS	Bandwidth	Channel	Modulation	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	40MHz	LCH	Outer_Full	8.23	7.49	13.00	Pass
15KHz	40MHz	MCH	Outer_Full	8.29	7.80	13.00	Pass
15KHz	40MHz	HCH	Outer_Full	8.22	7.86	13.00	Pass

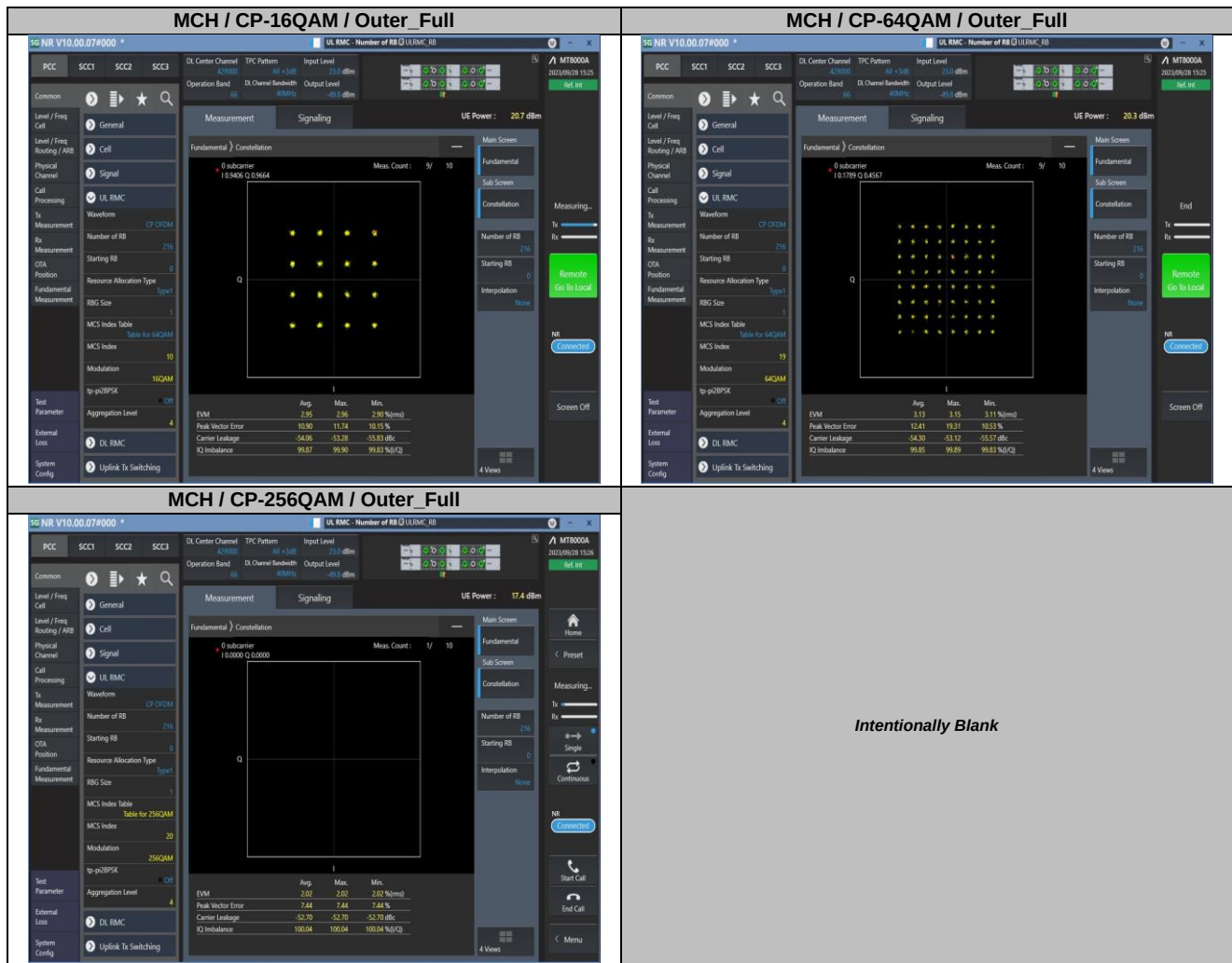
2.2. Test Plots



3. Modulation Characteristics

3.1. Test Plots



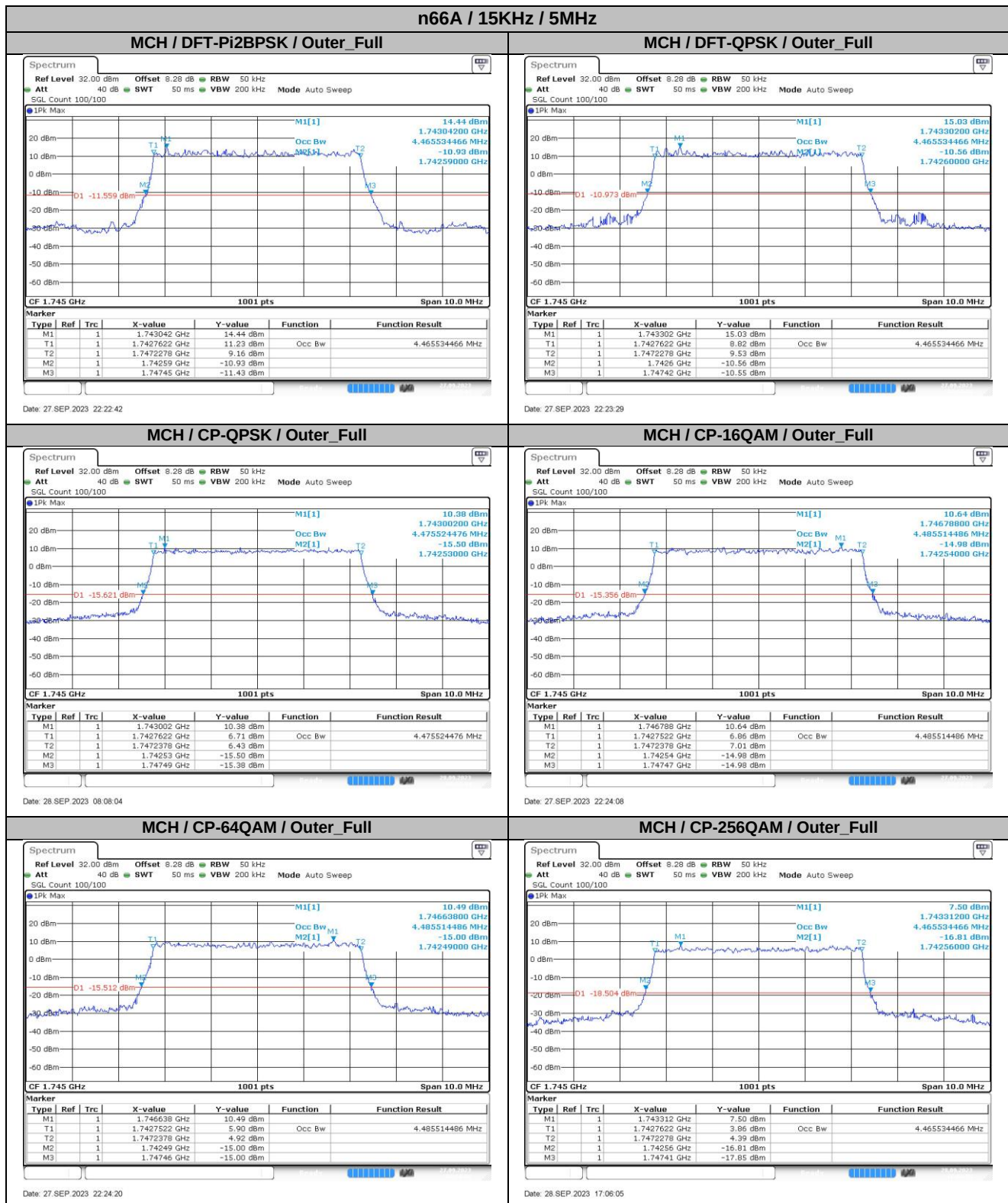


4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

4.1. Test Results

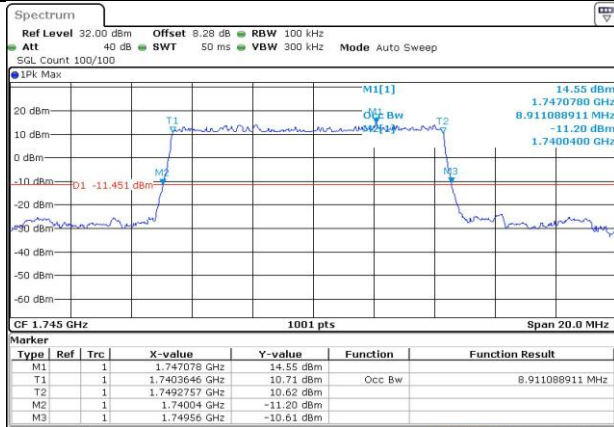
SCS	Bandwidth	Modulation	RB Config	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.47	4.86	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.47	4.82	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.48	4.96	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.49	4.93	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.49	4.97	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.47	4.85	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.91	9.52	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.93	9.52	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.27	9.96	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.27	9.90	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.29	9.90	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.29	9.88	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.43	14.28	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.43	14.31	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.12	15.00	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.12	14.91	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.15	15.00	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.15	14.88	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.82	18.64	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.86	18.72	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.90	19.80	Pass
15KHz	20MHz	CP-16QAM	Outer_Full	18.94	19.88	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	18.94	20.36	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	19.02	19.88	Pass
15KHz	30MHz	DFT-Pi2BPSK	Outer_Full	28.53	29.70	Pass
15KHz	30MHz	DFT-QPSK	Outer_Full	28.59	29.64	Pass
15KHz	30MHz	CP-QPSK	Outer_Full	28.53	29.64	Pass
15KHz	30MHz	CP-16QAM	Outer_Full	28.59	29.70	Pass
15KHz	30MHz	CP-64QAM	Outer_Full	28.47	29.64	Pass
15KHz	30MHz	CP-256QAM	Outer_Full	28.53	29.64	Pass
15KHz	40MHz	DFT-Pi2BPSK	Outer_Full	38.52	40.00	Pass
15KHz	40MHz	DFT-QPSK	Outer_Full	38.68	40.16	Pass
15KHz	40MHz	CP-QPSK	Outer_Full	38.60	40.08	Pass
15KHz	40MHz	CP-16QAM	Outer_Full	38.52	40.08	Pass
15KHz	40MHz	CP-64QAM	Outer_Full	38.60	40.00	Pass
15KHz	40MHz	CP-256QAM	Outer_Full	38.60	40.08	Pass

4.2. Test Plots



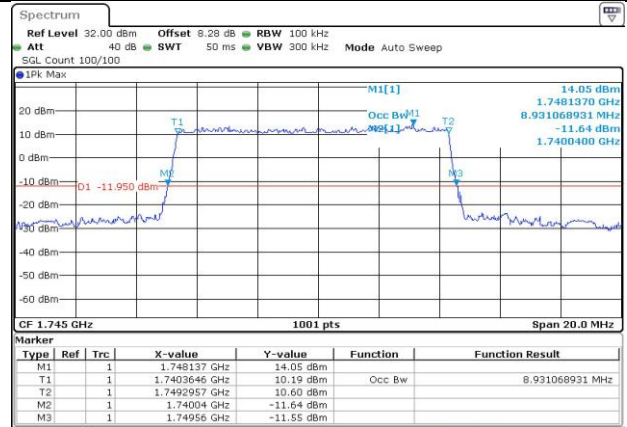
n66A / 15KHz / 10MHz

MCH / DFT-Pi2BPSK / Outer_Full



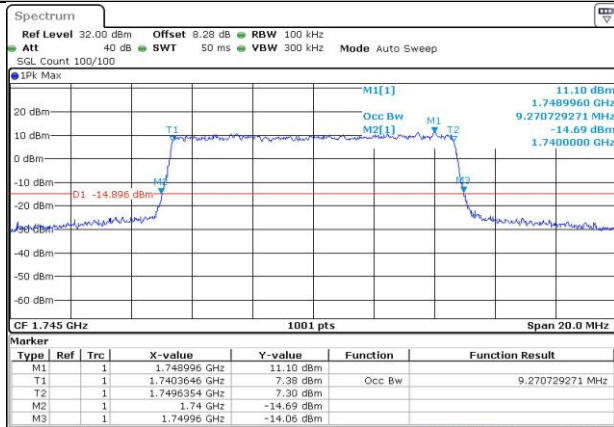
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MCH / DFT-QPSK / Outer_Full



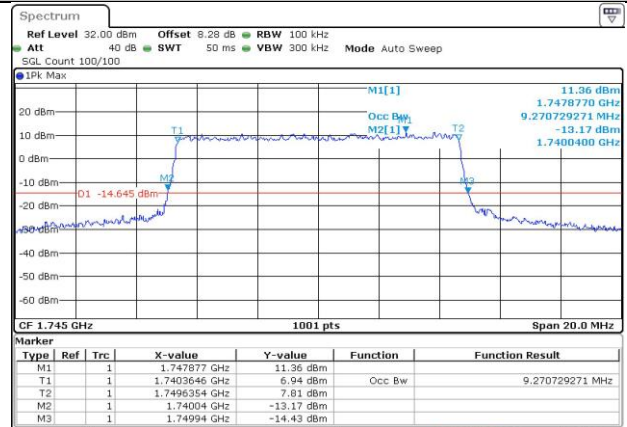
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MCH / CP-QPSK / Outer_Full



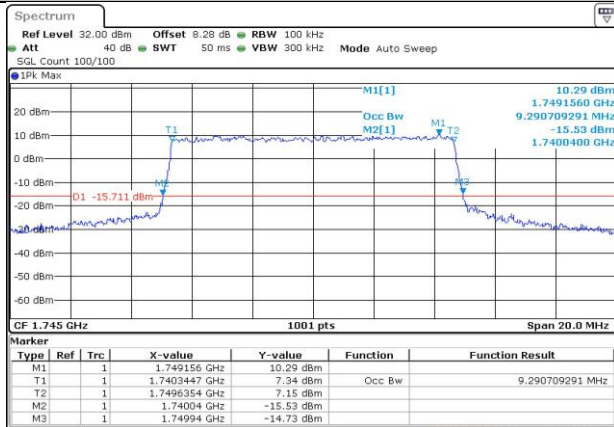
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MCH / CP-16QAM / Outer_Full



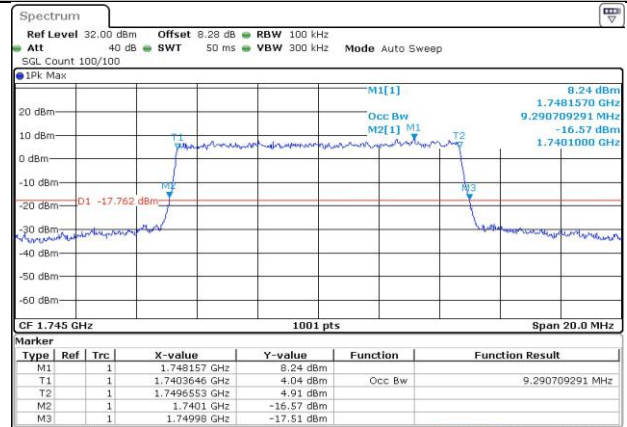
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MCH / CP-64QAM / Outer_Full



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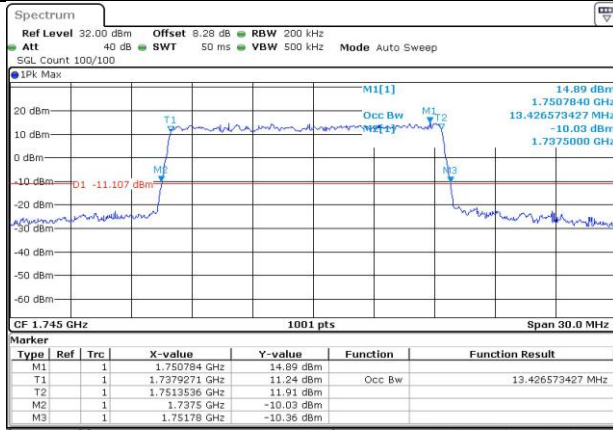
MCH / CP-256QAM / Outer_Full



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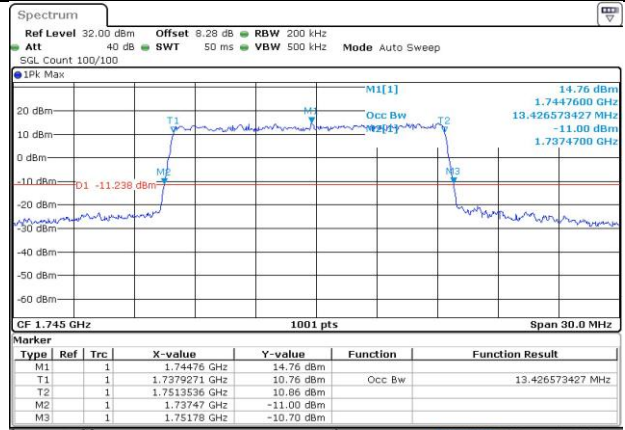
n66A / 15KHz / 15MHz

MCH / DFT-Pi2BPSK / Outer_Full



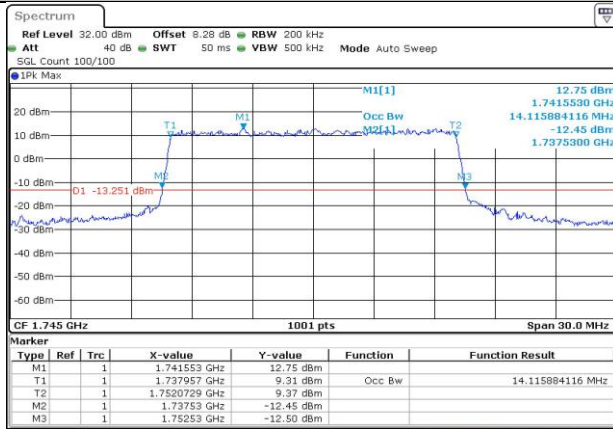
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MCH / DFT-QPSK / Outer_Full



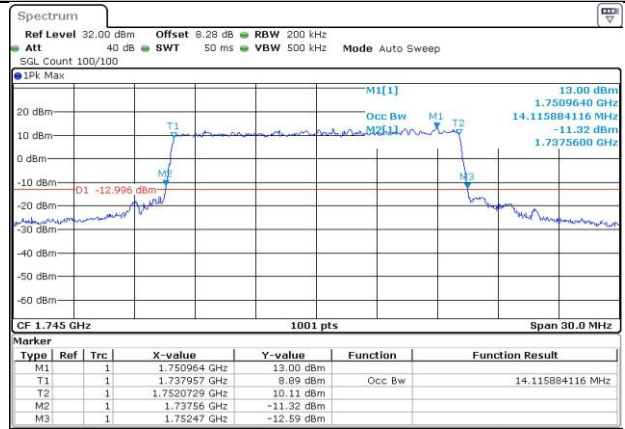
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MCH / CP-QPSK / Outer_Full



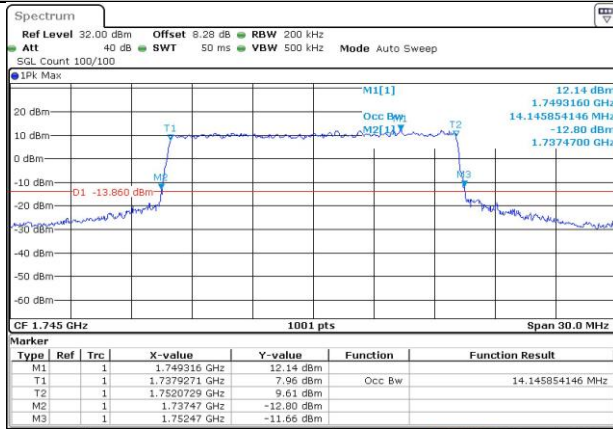
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MCH / CP-16QAM / Outer_Full



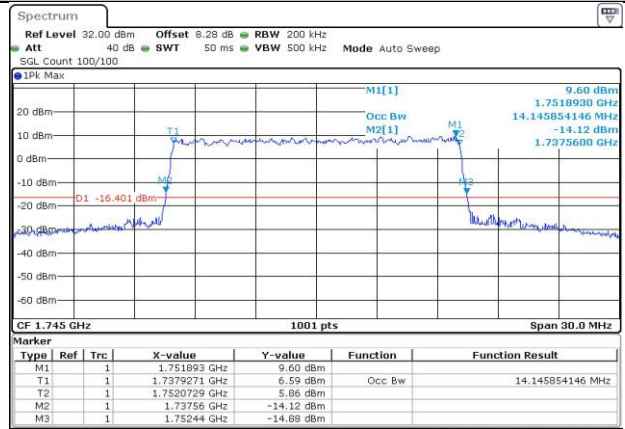
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MCH / CP-64QAM / Outer_Full



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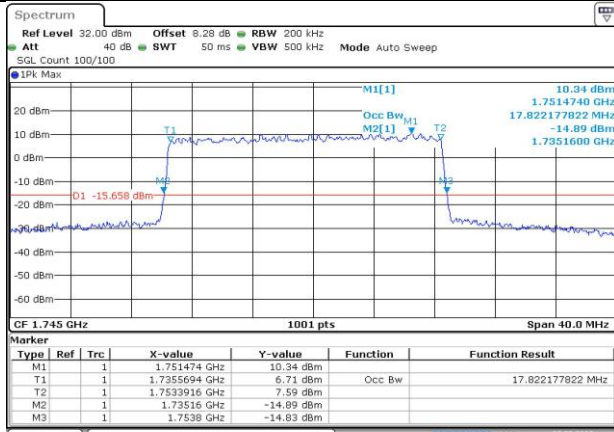
MCH / CP-256QAM / Outer_Full



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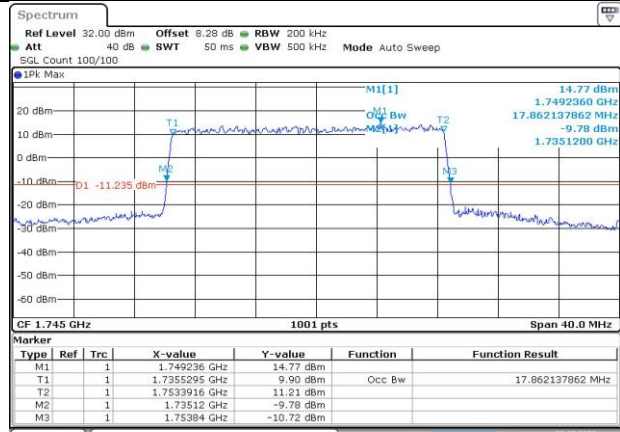
n66A / 15KHz / 20MHz

MCH / DFT-Pi2BPSK / Outer_Full



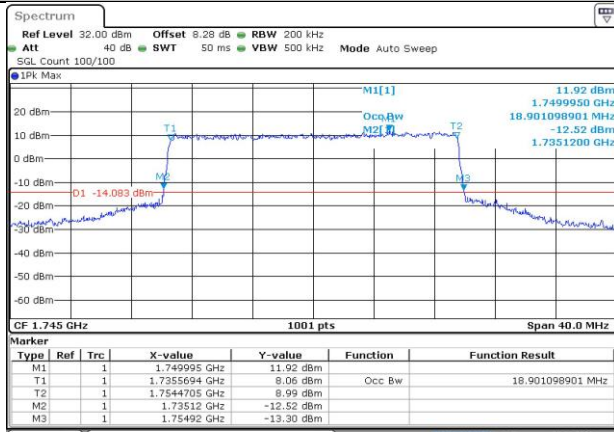
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MCH / DFT-QPSK / Outer_Full



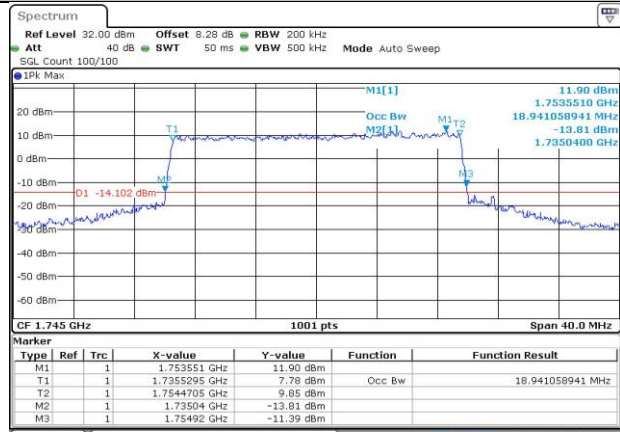
Date: 28.SEP.2023 17:09:01

MCH / CP-QPSK / Outer_Full



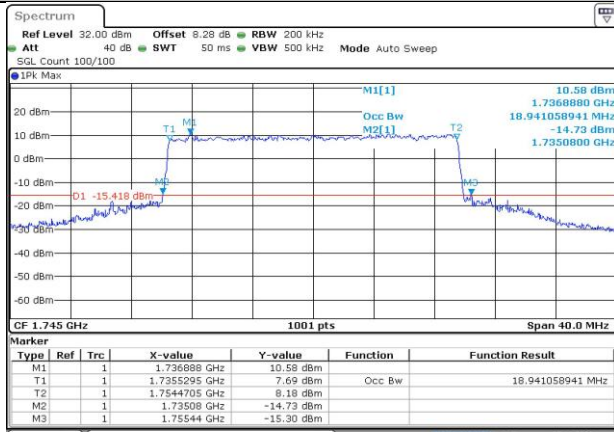
Date: 28.SEP.2023 08:11:16

MCH / CP-16QAM / Outer_Full



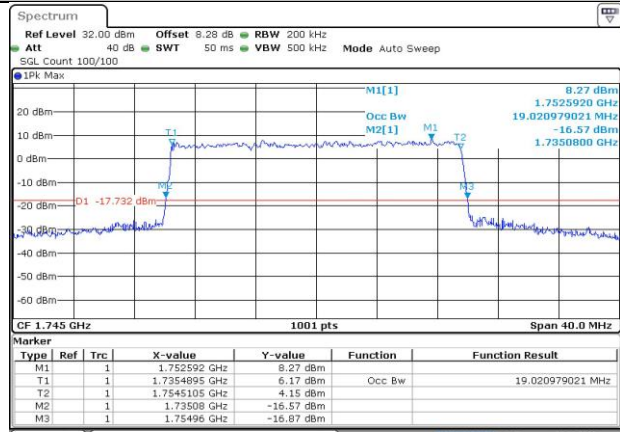
Date: 27.SEP.2023 22:30:06

MCH / CP-64QAM / Outer_Full



Date: 27.SEP.2023 22:30:18

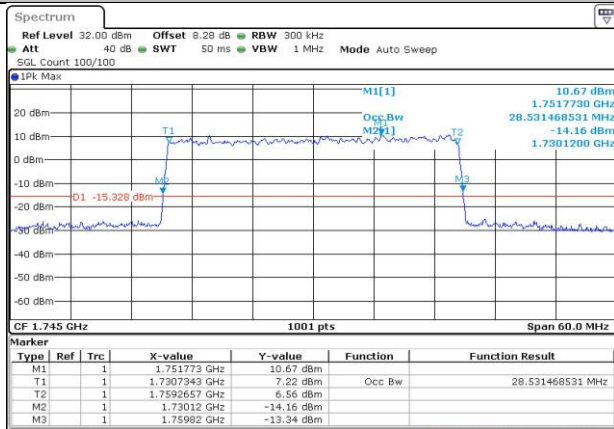
MCH / CP-256QAM / Outer_Full



Date: 28.SEP.2023 17:10:25

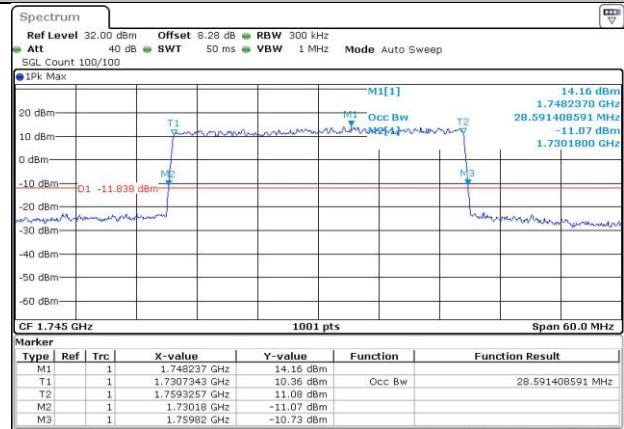
n66A / 15KHz / 30MHz

MCH / DFT-Pi2BPSK / Outer_Full



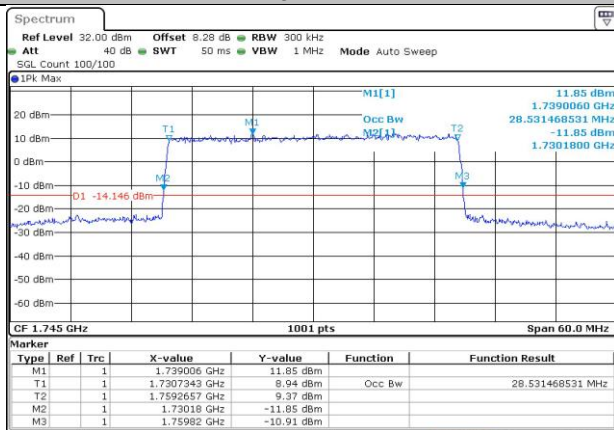
Date: 27.SEP.2023 22:30:45

MCH / DFT-QPSK / Outer_Full



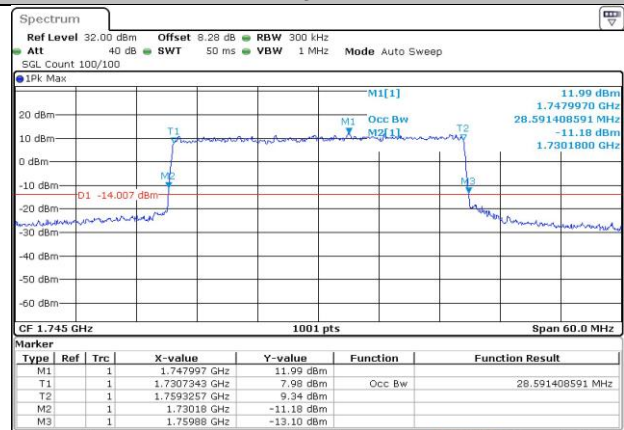
Date: 28.SEP.2023 17:11:30

MCH / CP-QPSK / Outer_Full



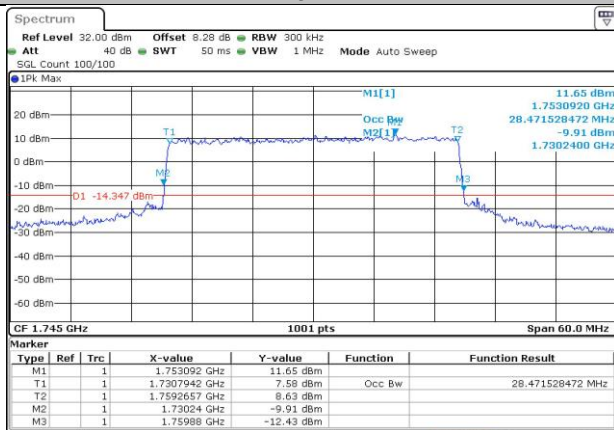
Date: 28.SEP.2023 08:11:44

MCH / CP-16QAM / Outer_Full



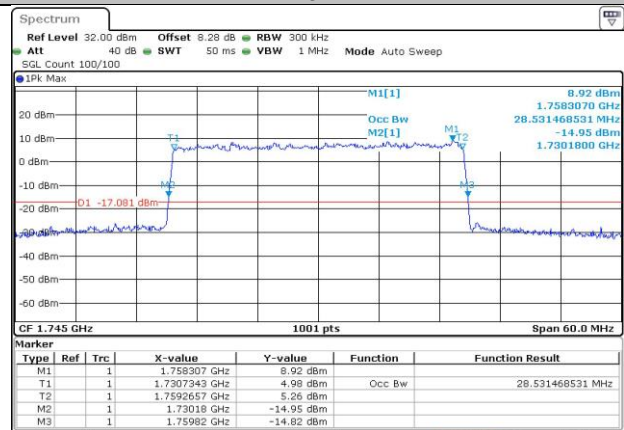
Date: 27.SEP.2023 22:31:34

MCH / CP-64QAM / Outer_Full



Date: 27.SEP.2023 22:31:44

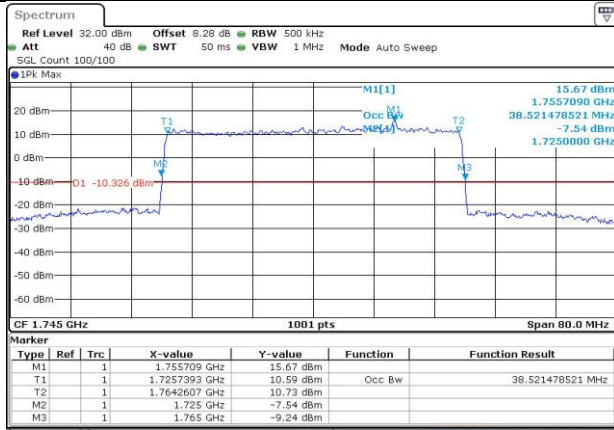
MCH / CP-256QAM / Outer_Full



Date: 28.SEP.2023 08:12:03

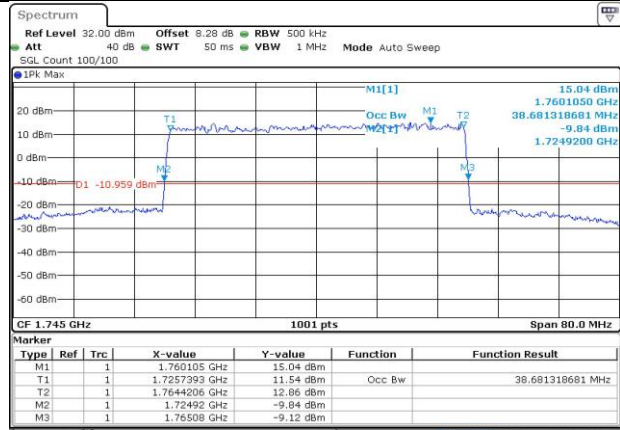
n66A / 15KHz / 40MHz

MCH / DFT-Pi2BPSK / Outer_Full



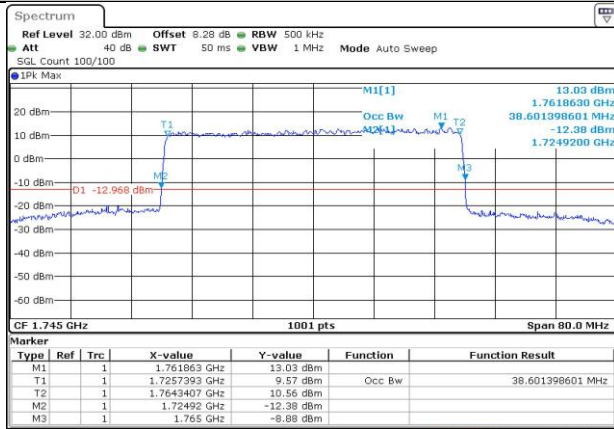
Date: 27.SEP.2023 22:32:17

MCH / DFT-QPSK / Outer_Full



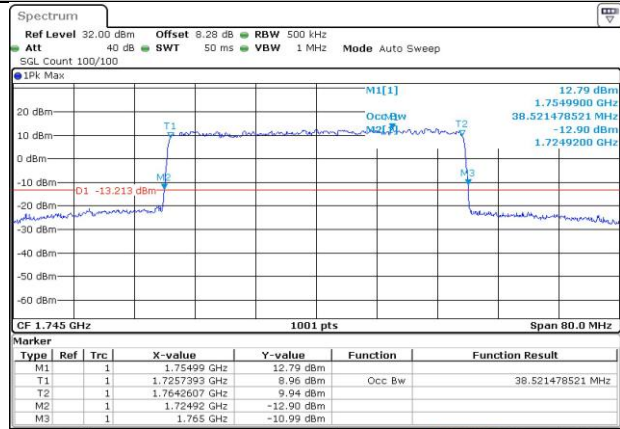
Date: 27.SEP.2023 22:32:50

MCH / CP-QPSK / Outer_Full



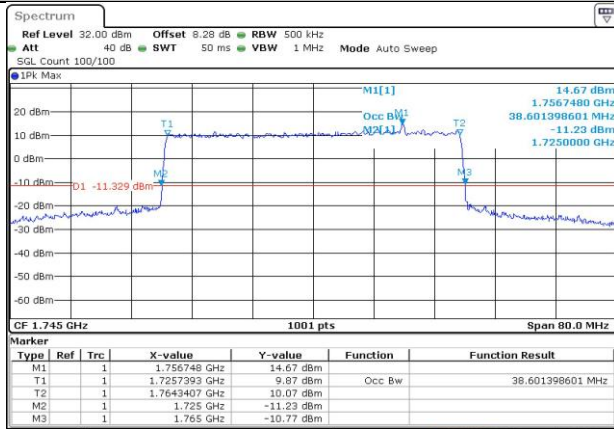
Date: 28.SEP.2023 08:12:36

MCH / CP-16QAM / Outer_Full



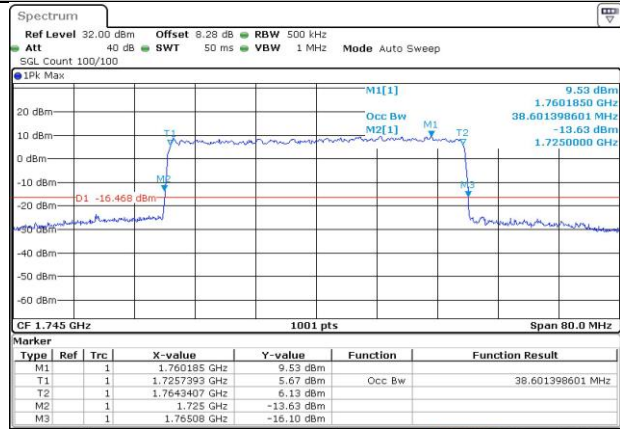
Date: 27.SEP.2023 22:33:31

MCH / CP-64QAM / Outer_Full



Date: 27.SEP.2023 22:33:43

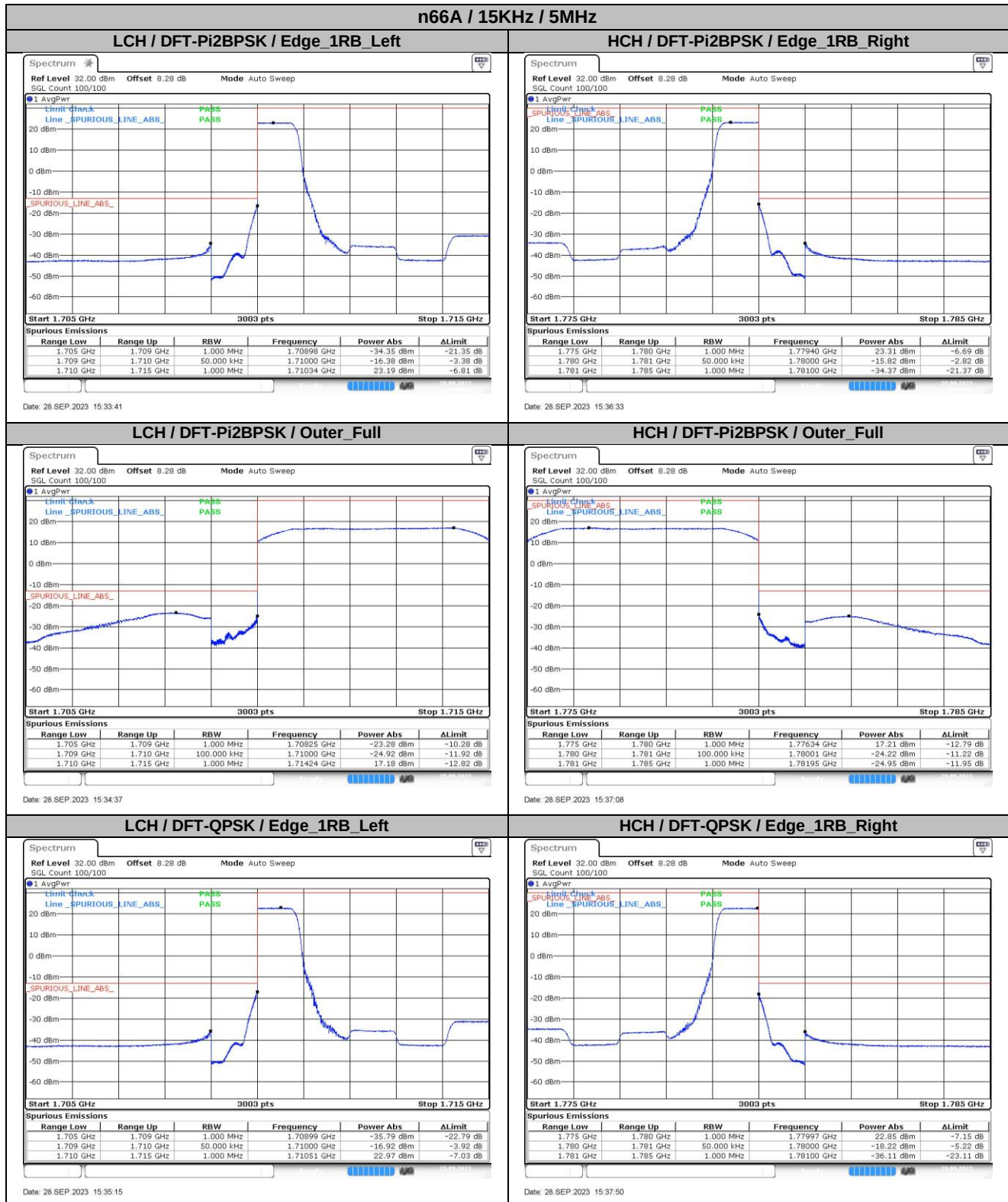
MCH / CP-256QAM / Outer_Full

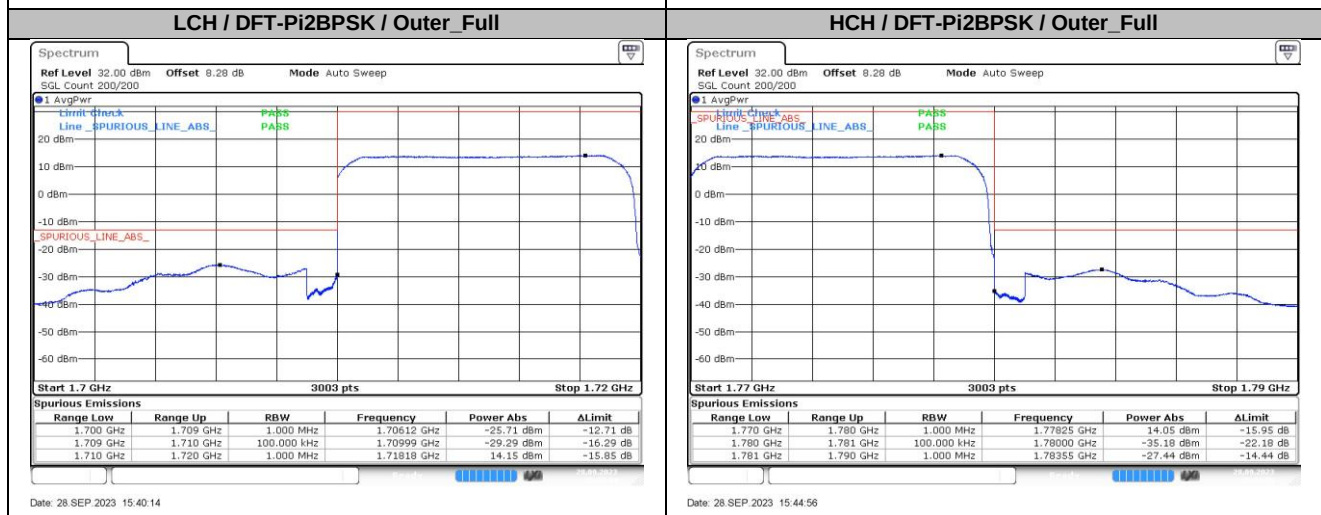
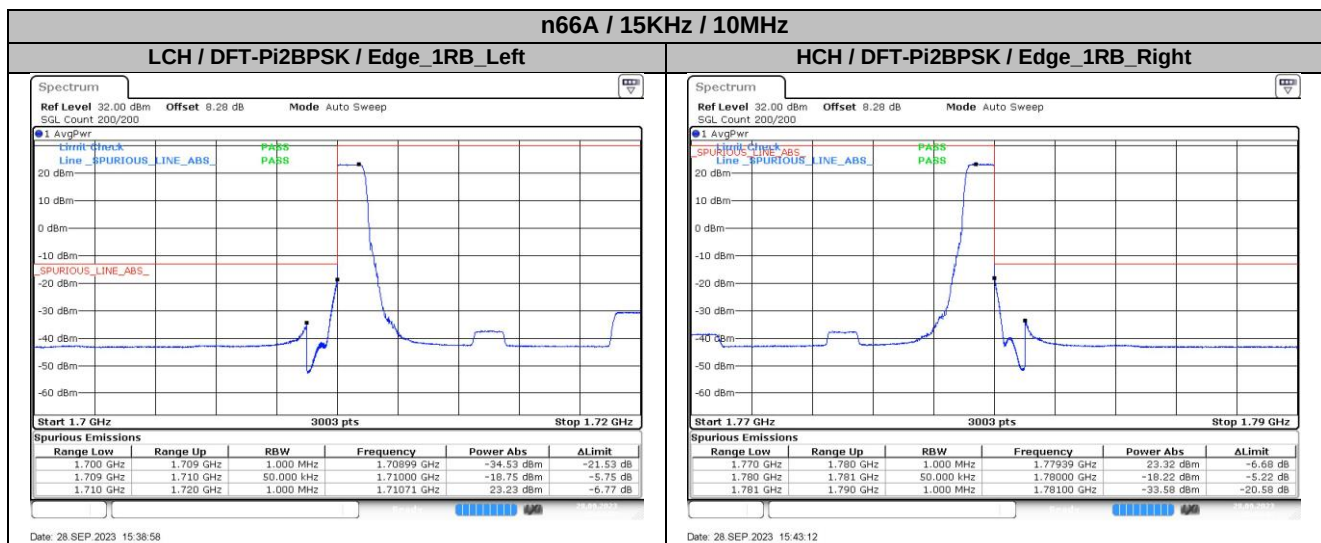
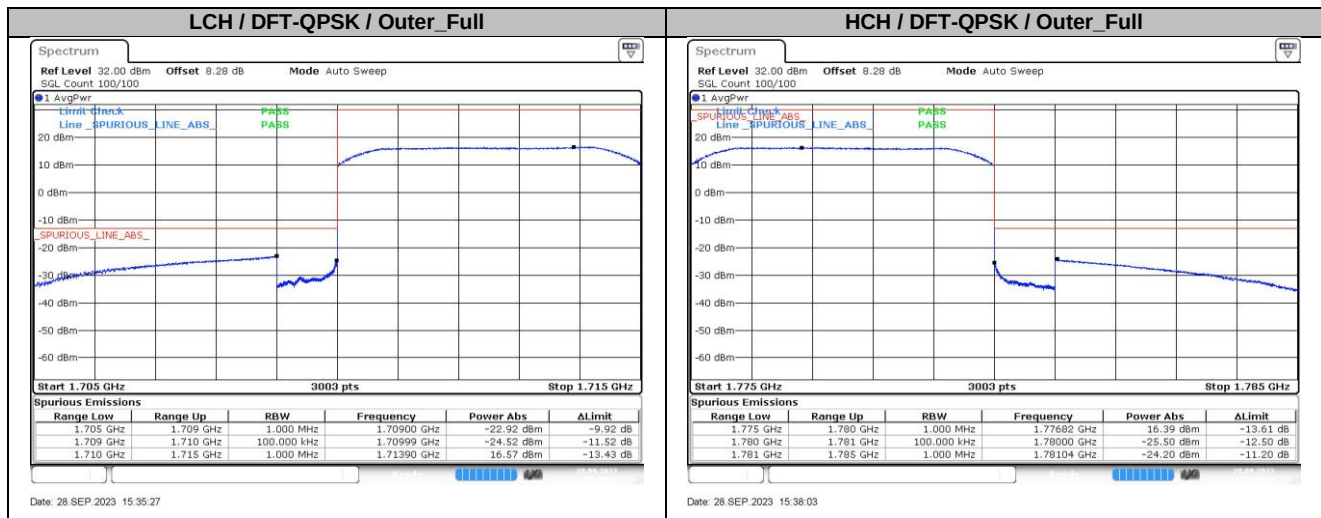


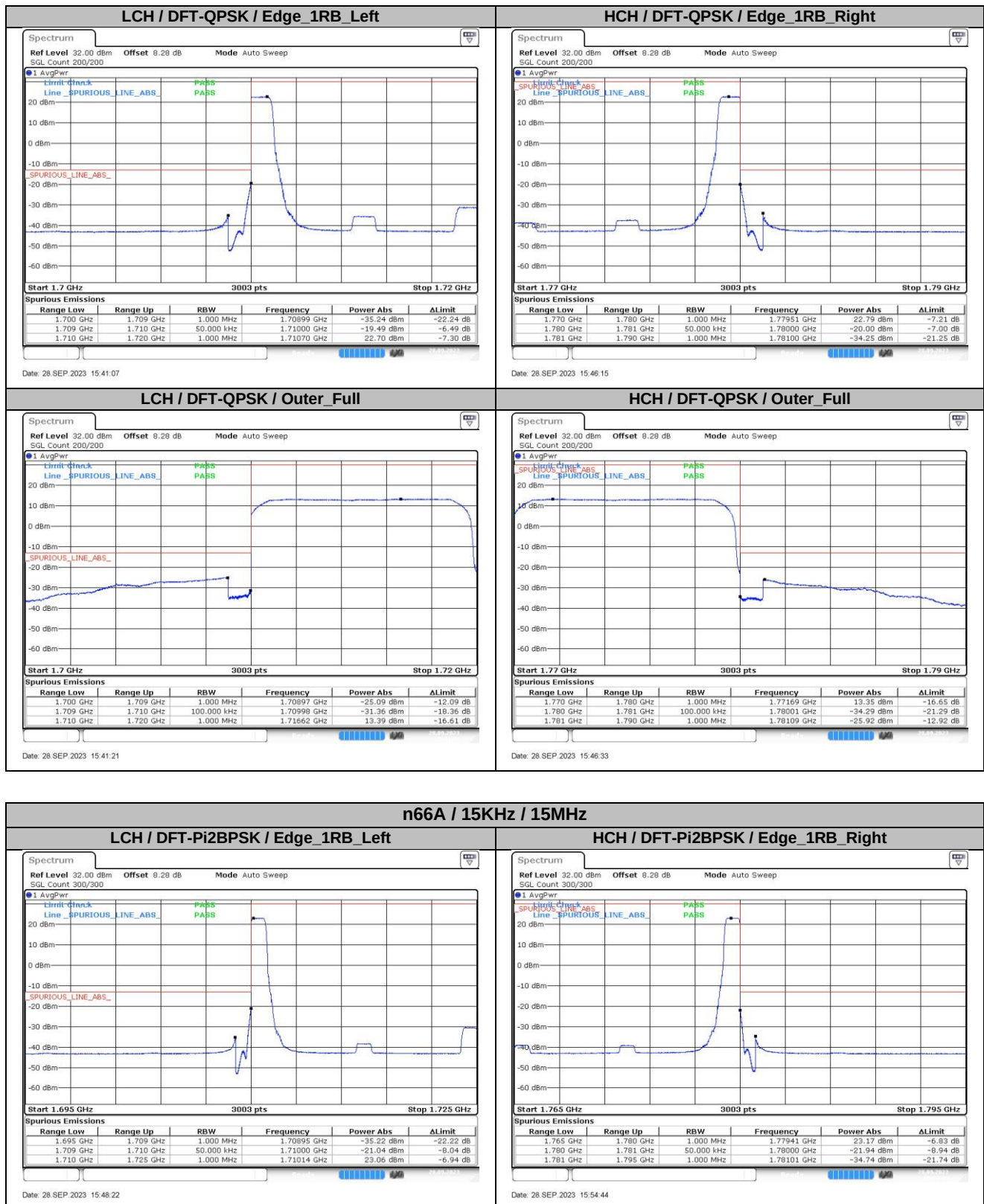
Date: 28.SEP.2023 17:13:07

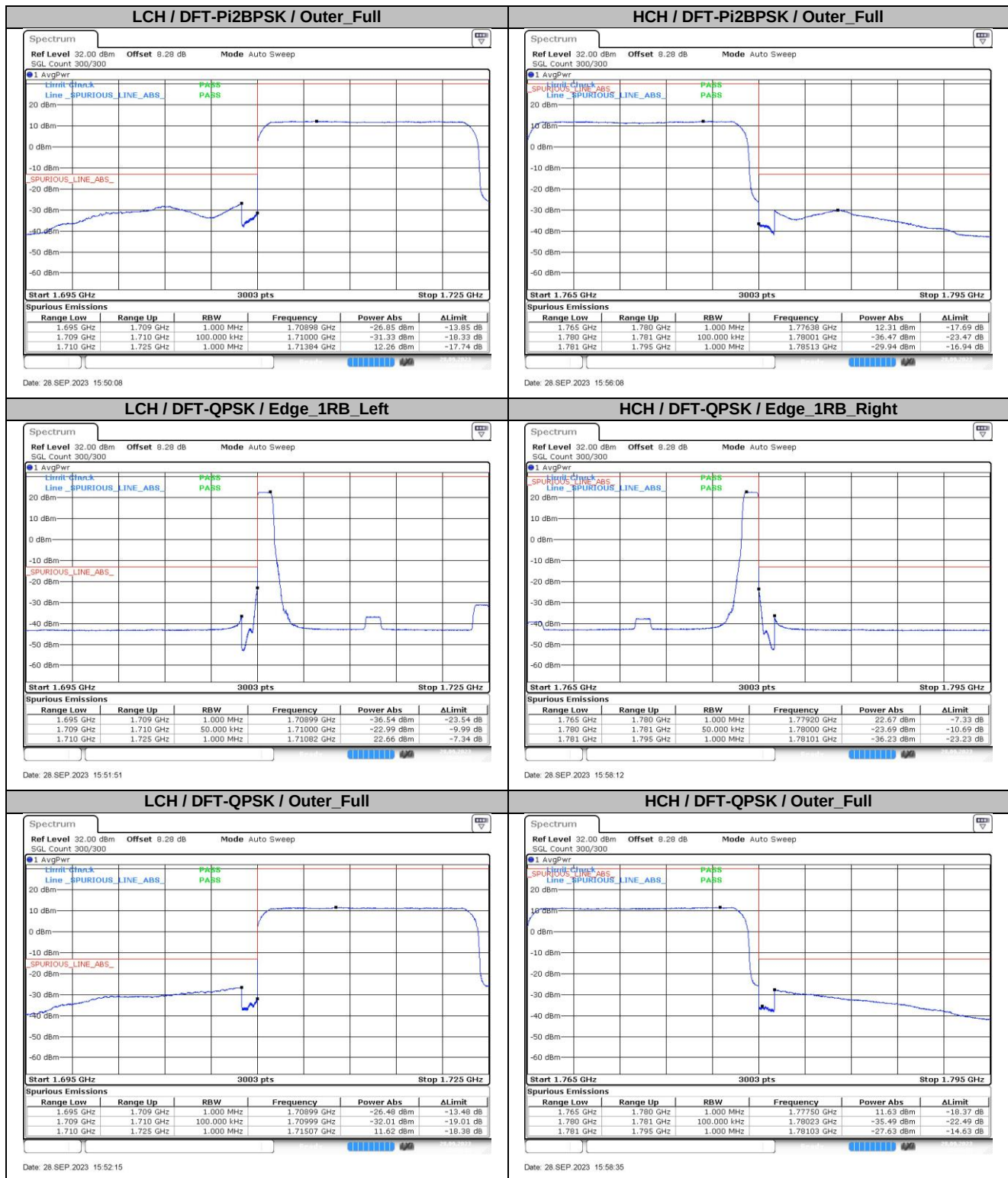
5. Conducted Band Edges

5.1. Test Plots



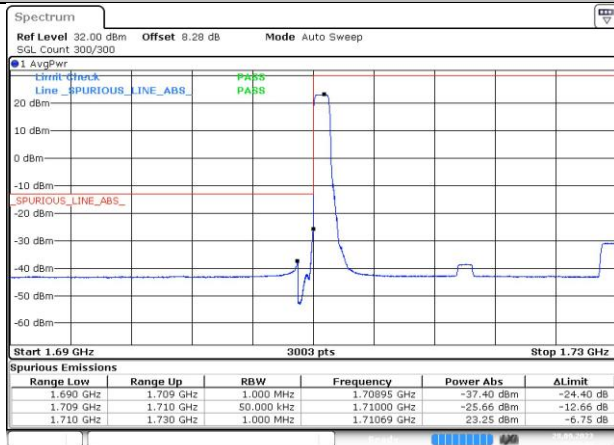






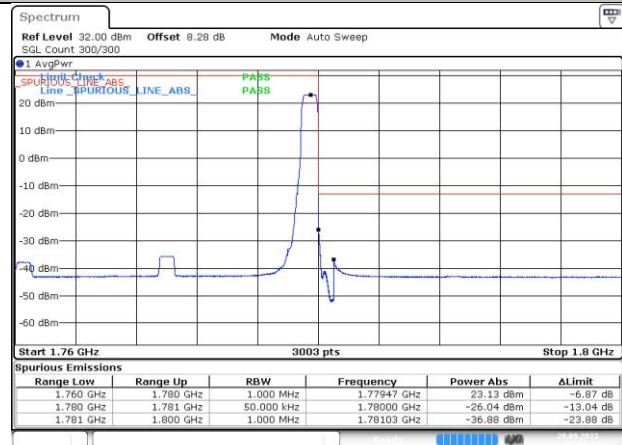
n66A / 15KHz / 20MHz

LCH / DFT-Pi2BPSK / Edge_1RB_Left



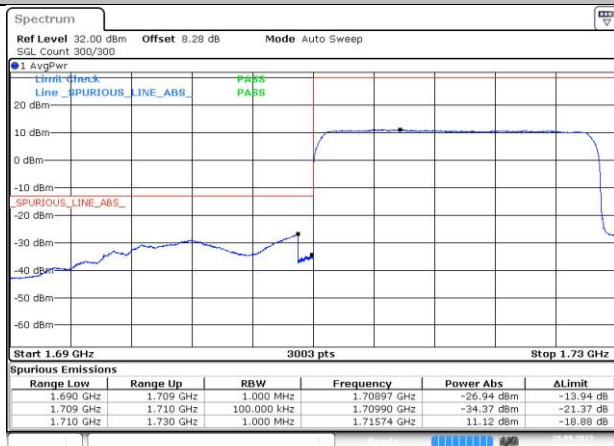
Date: 28 SEP 2023 15:59:43

HCH / DFT-Pi2BPSK / Edge_1RB_Right



Date: 28 SEP 2023 16:03:47

LCH / DFT-Pi2BPSK / Outer_Full



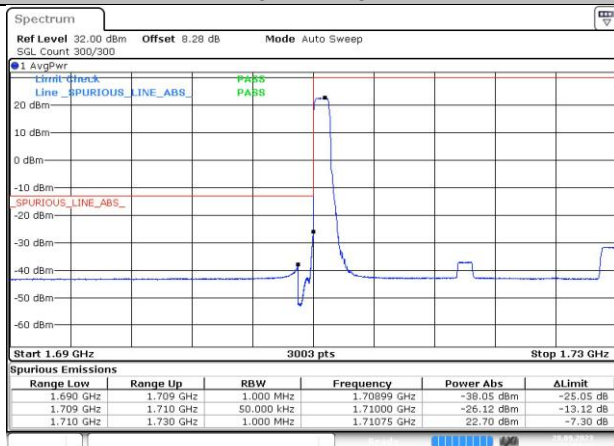
Date: 28 SEP 2023 16:00:31

HCH / DFT-Pi2BPSK / Outer_Full



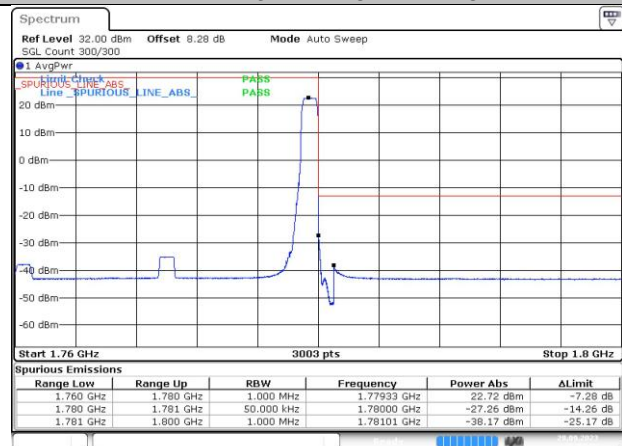
Date: 28 SEP 2023 16:05:05

LCH / DFT-QPSK / Edge_1RB_Left



Date: 28 SEP 2023 16:01:21

HCH / DFT-QPSK / Edge_1RB_Right



Date: 28 SEP 2023 16:07:02

