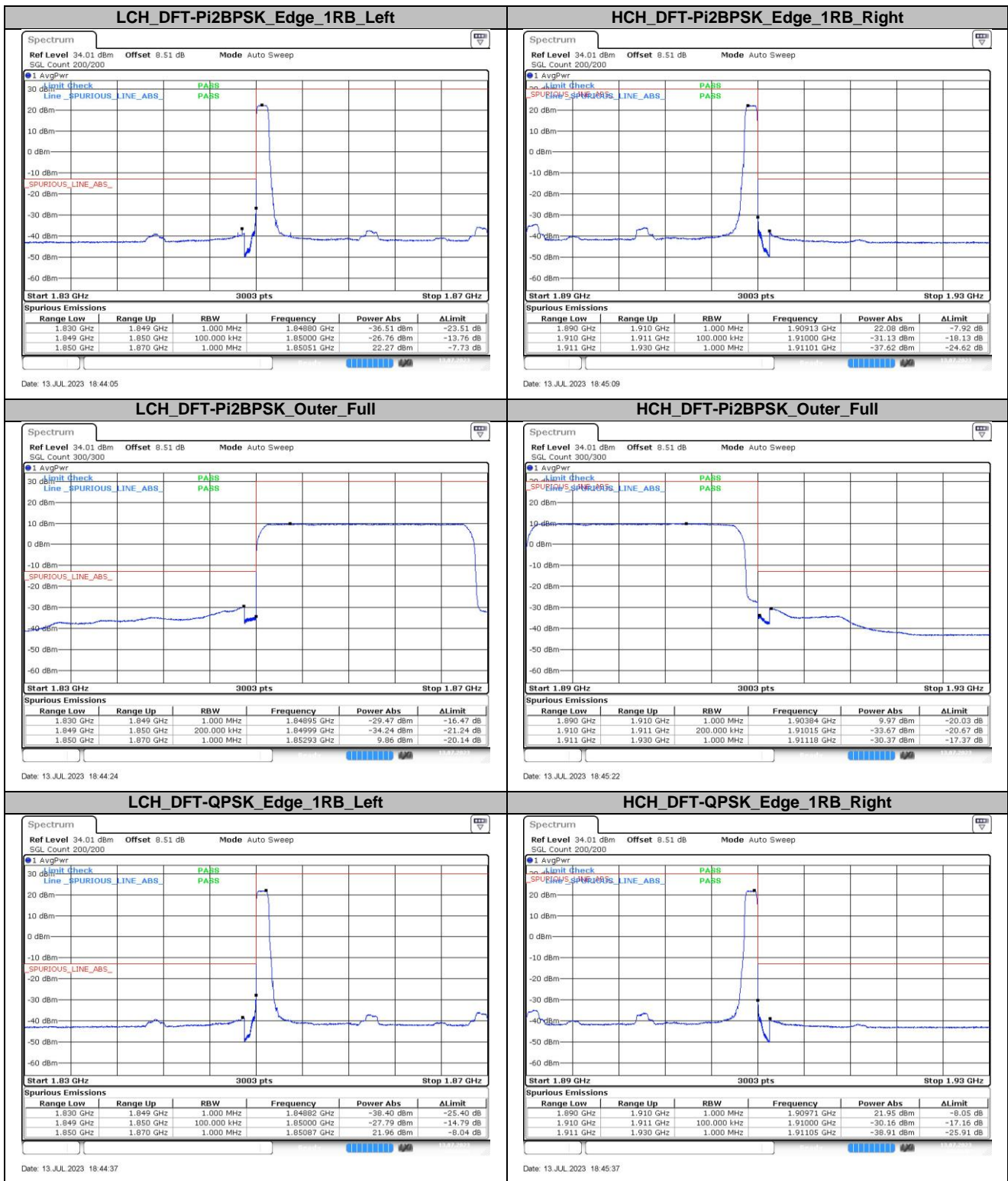
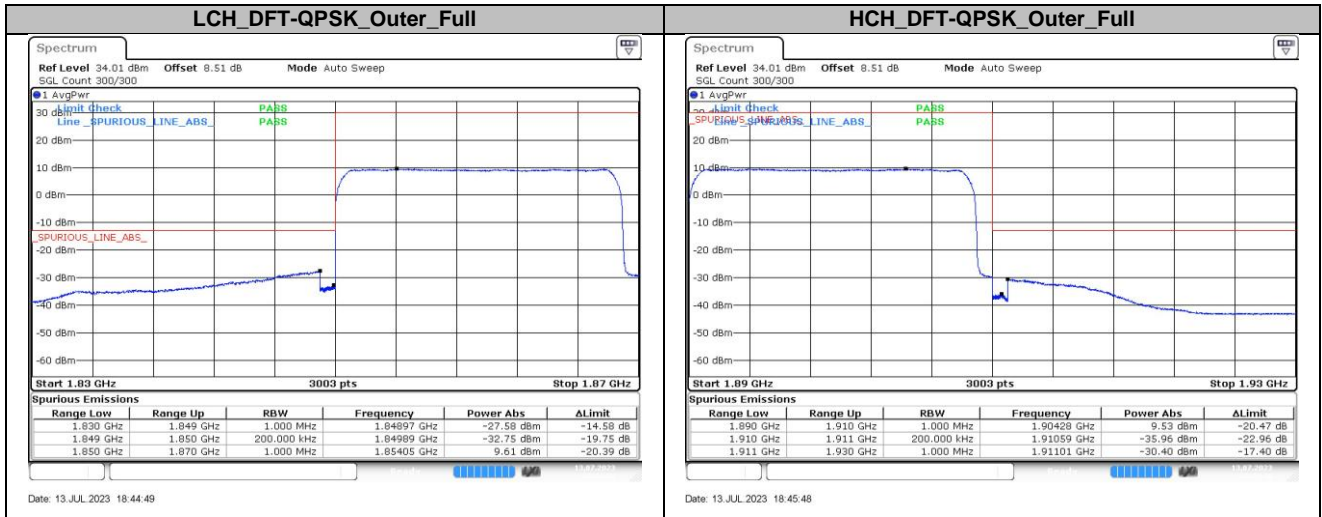
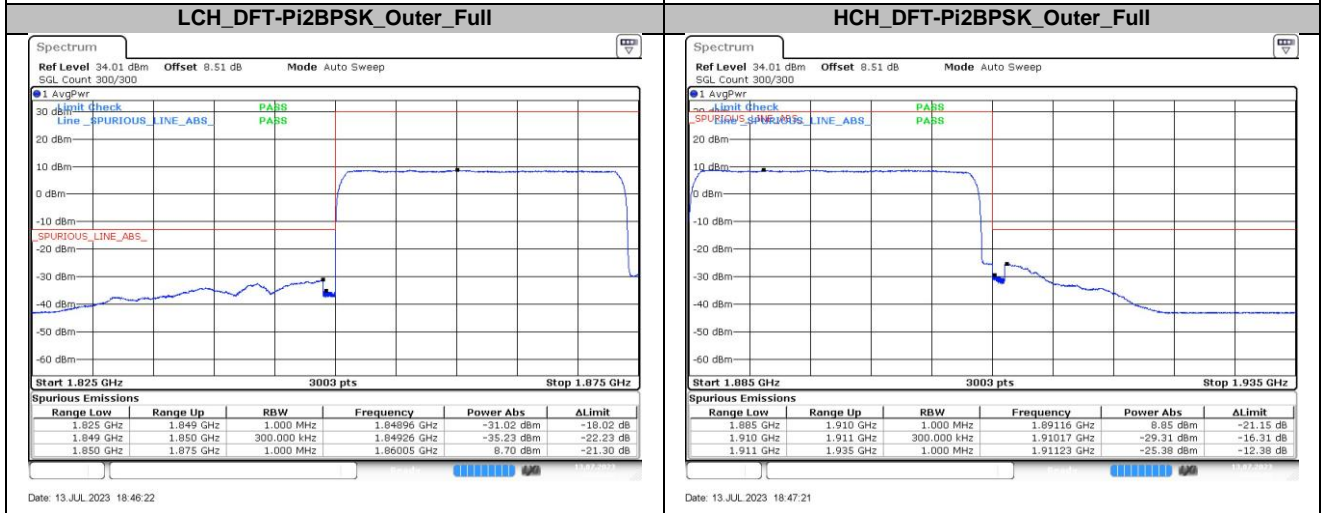
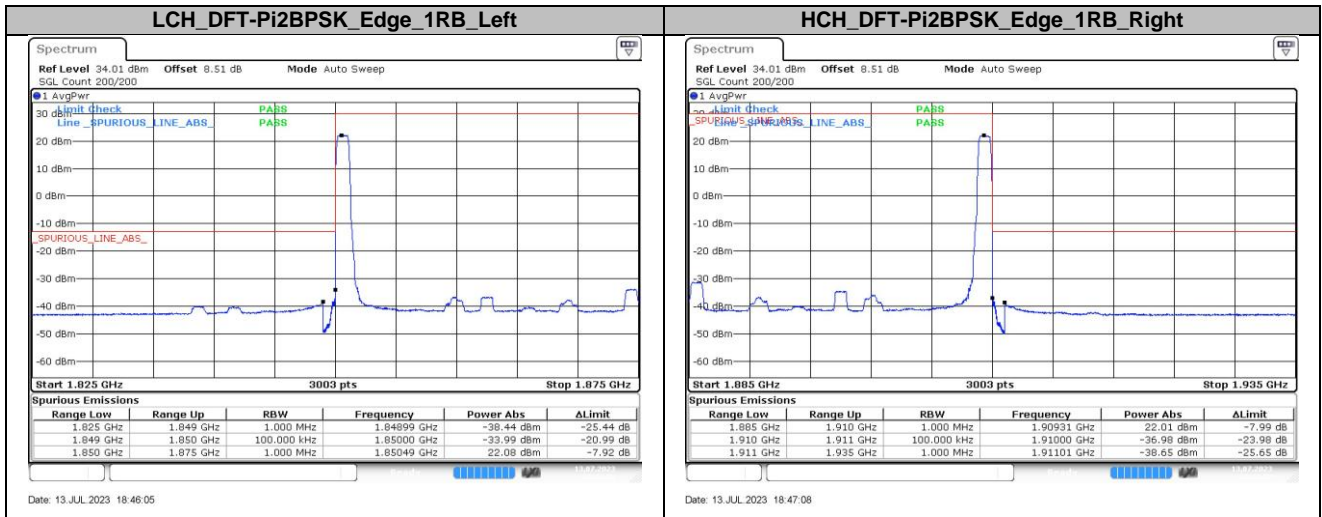


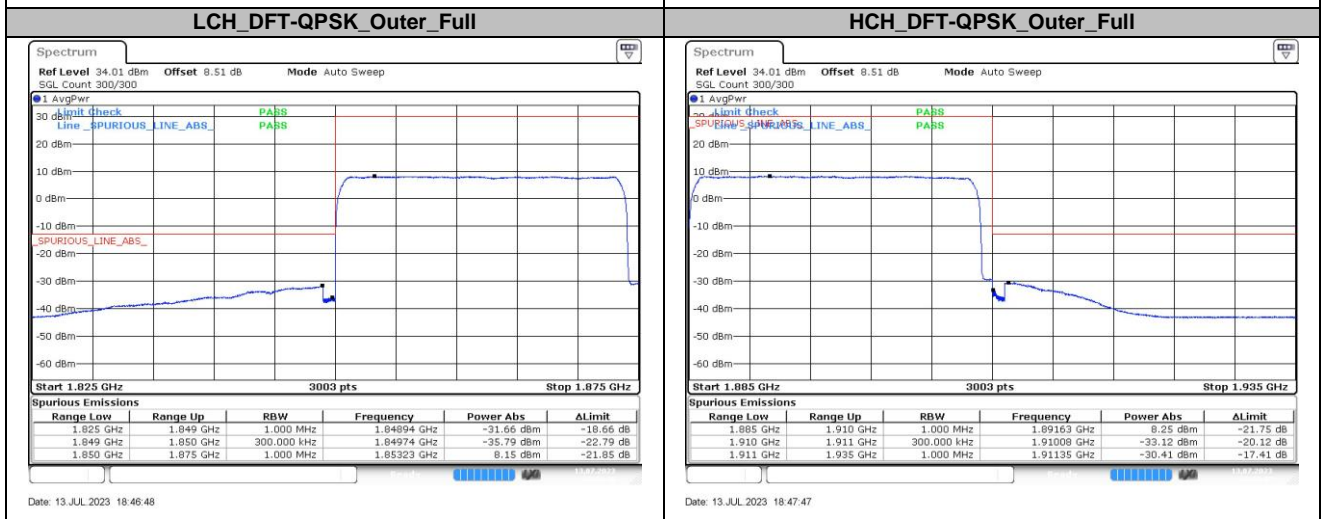
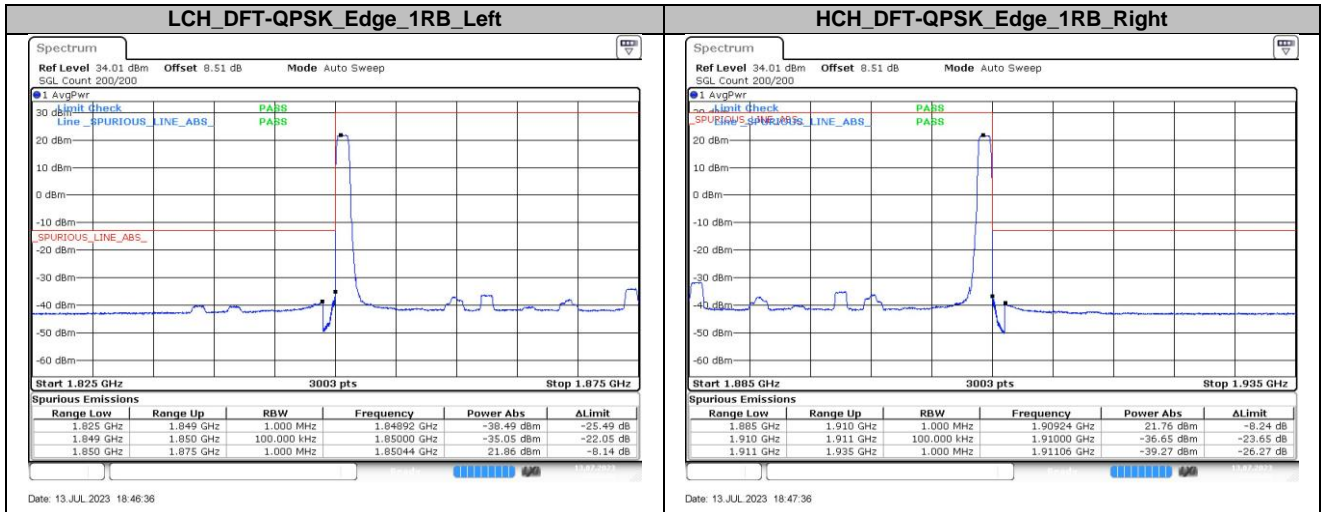
5.1.4. Bandwidth:20MHz



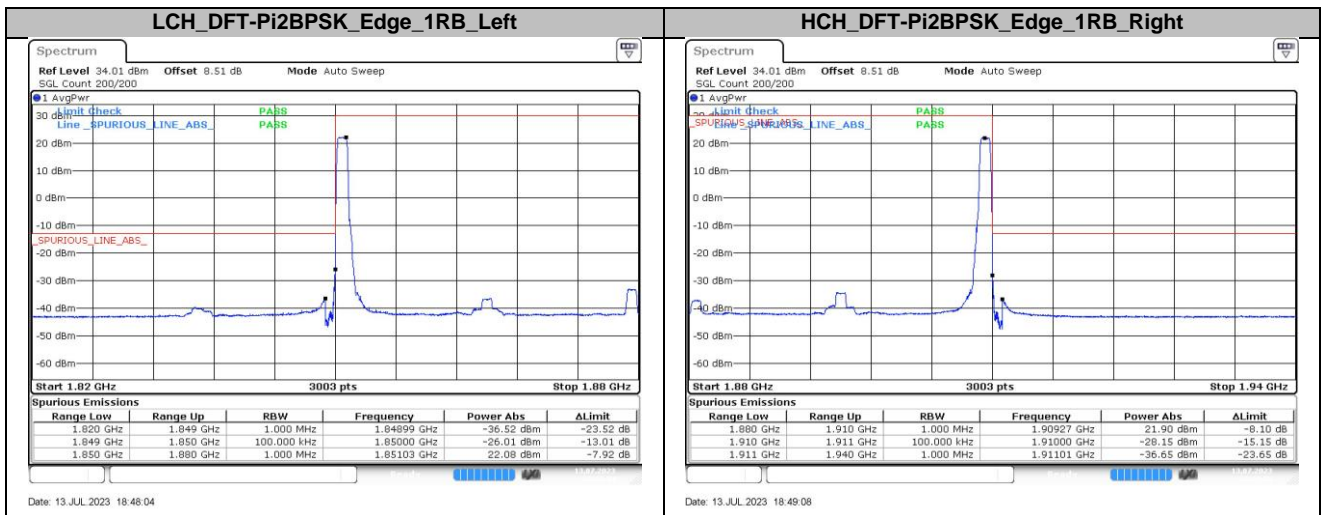


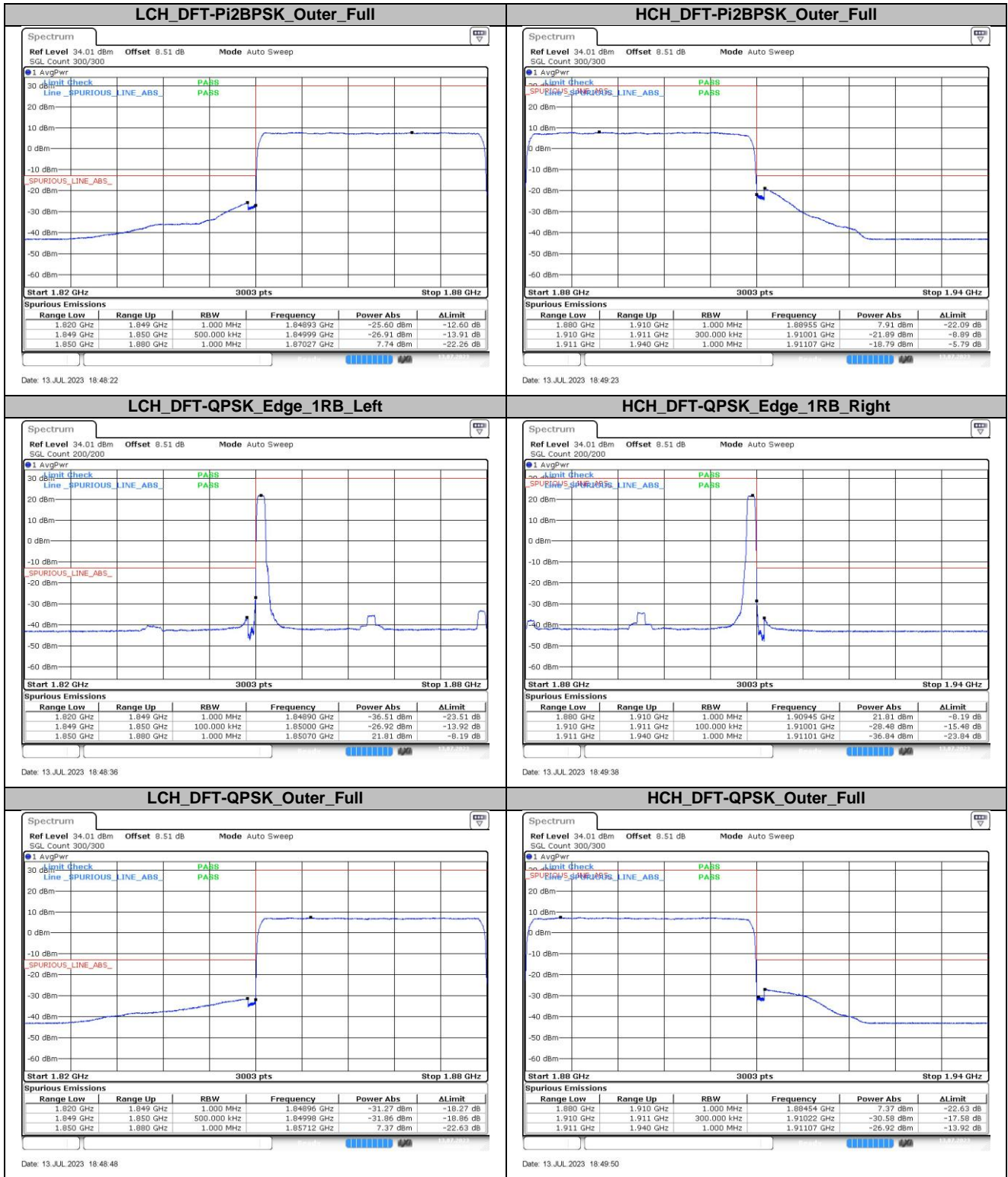
5.1.5. Bandwidth:25MHz



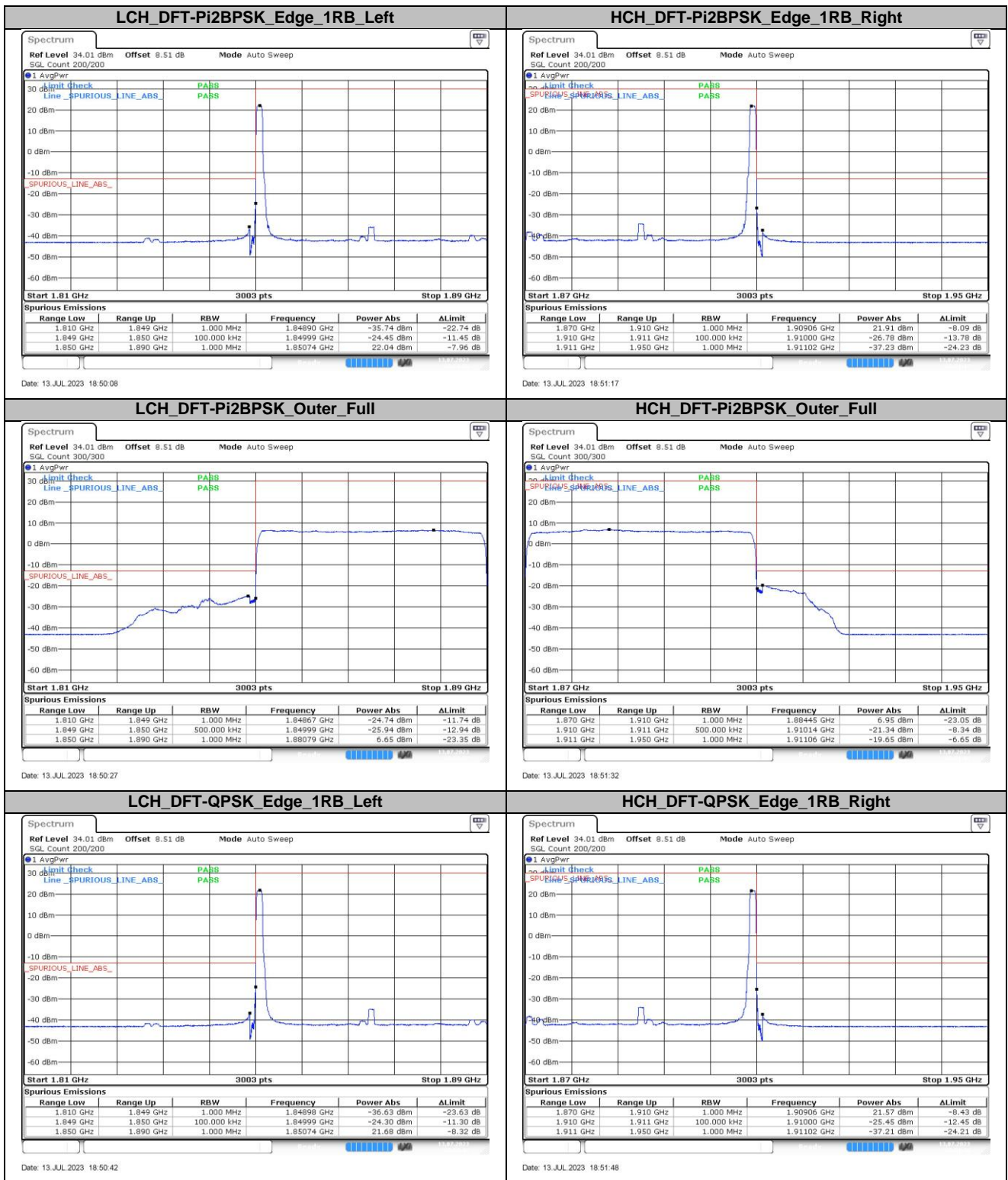


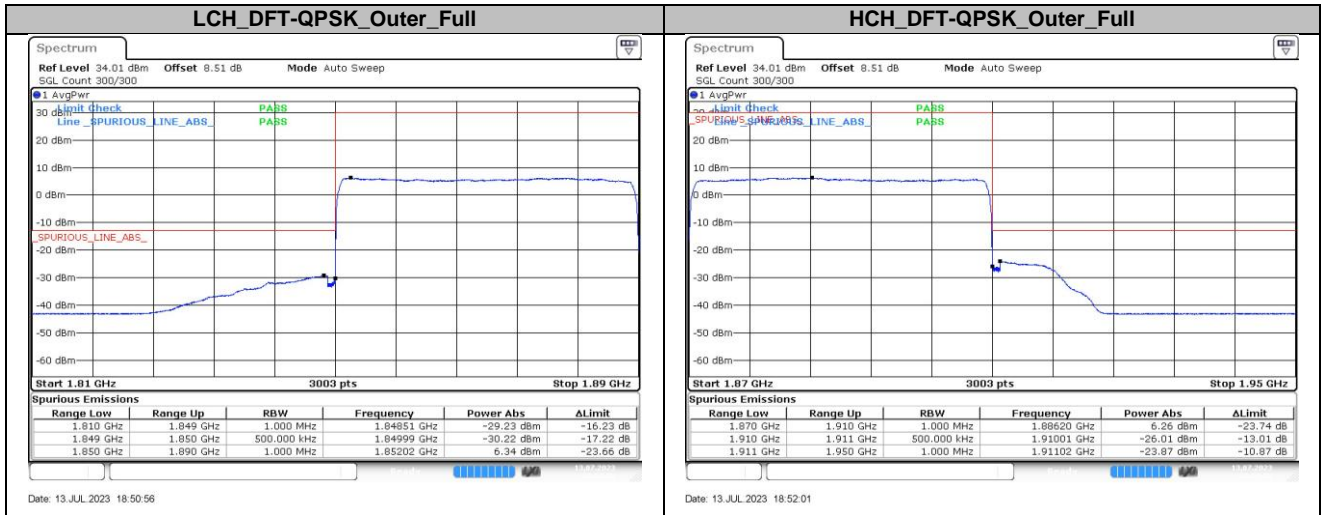
5.1.6. Bandwidth:30MHz



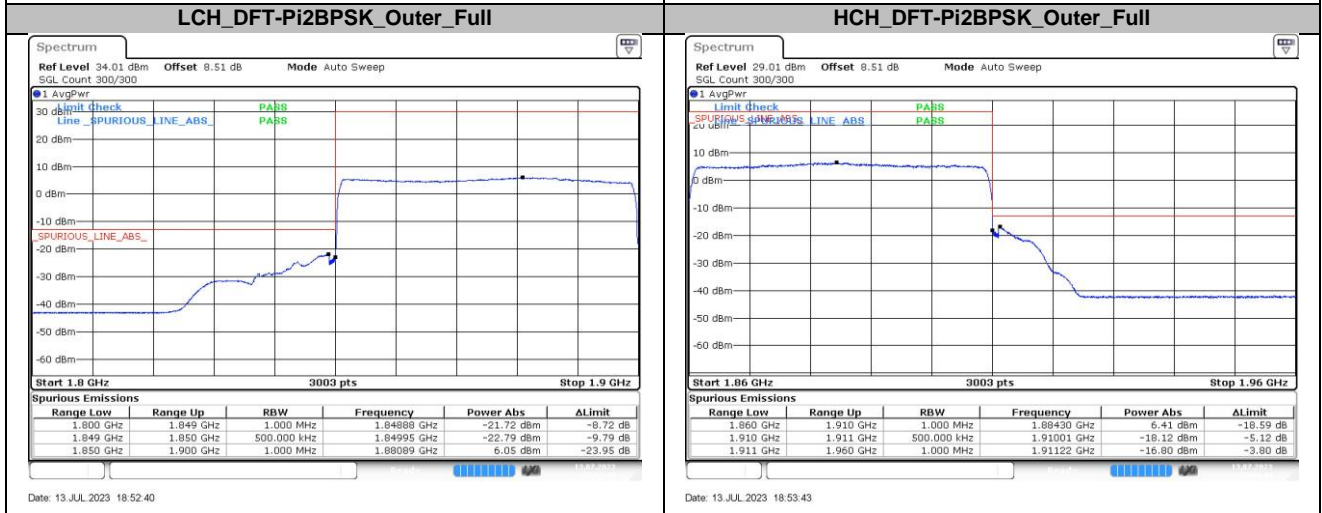
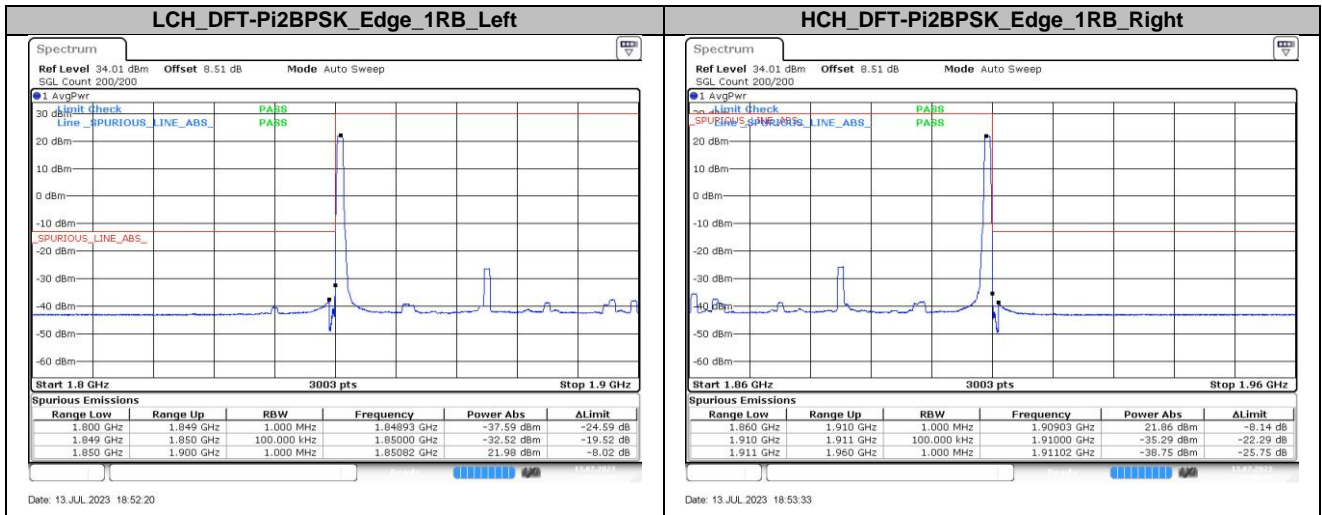


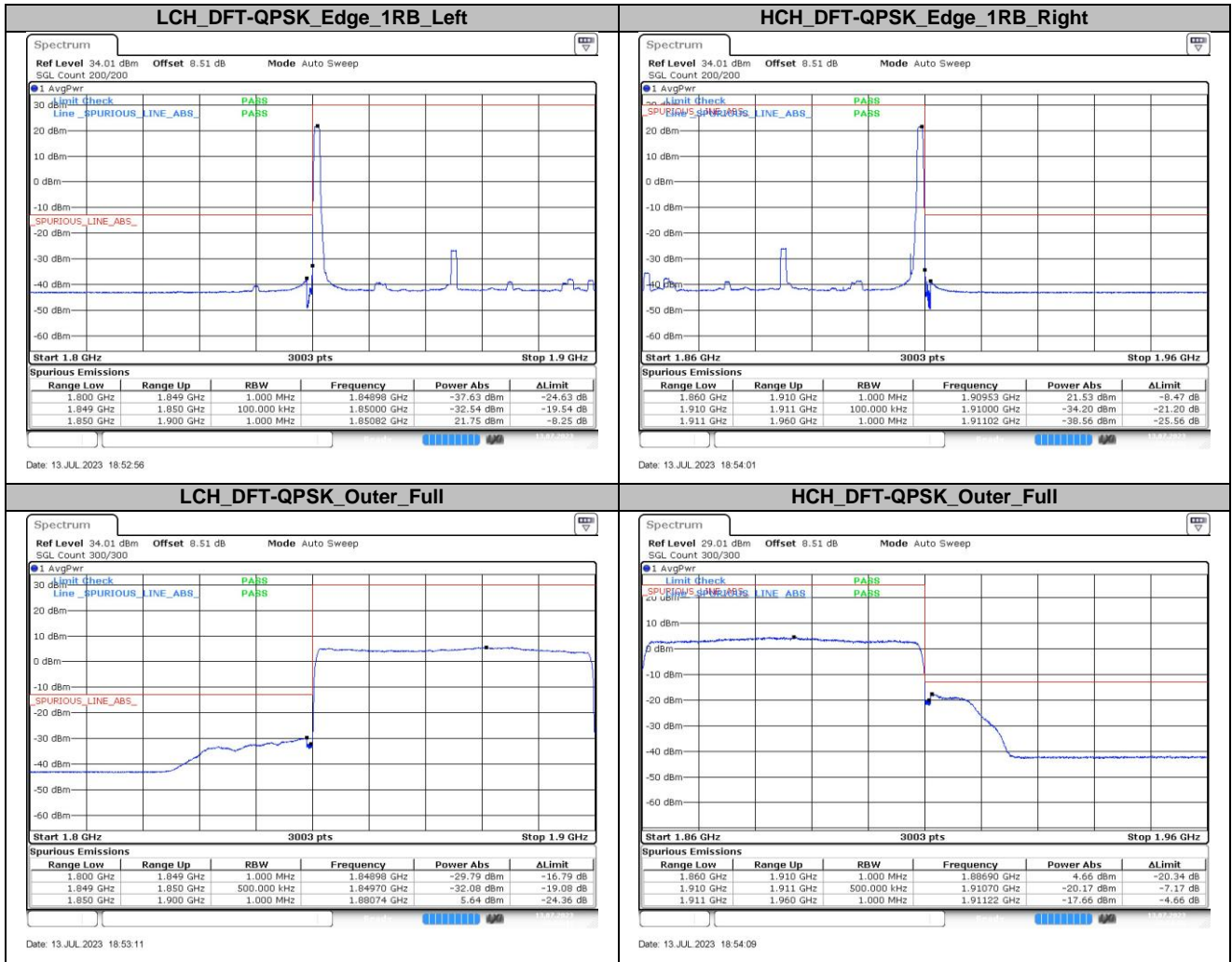
5.1.7. Bandwidth:40MHz





5.1.8. Bandwidth:50MHz

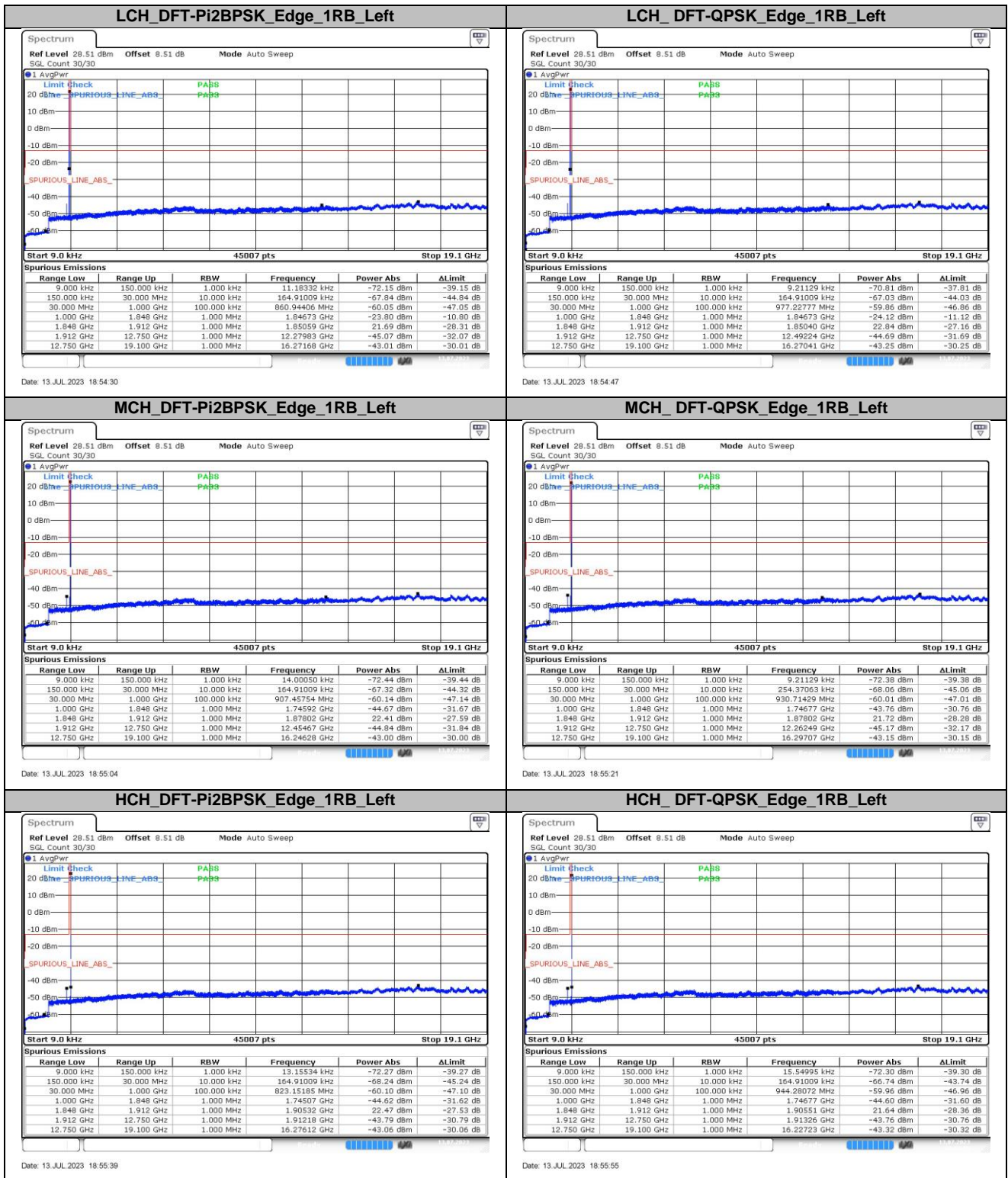




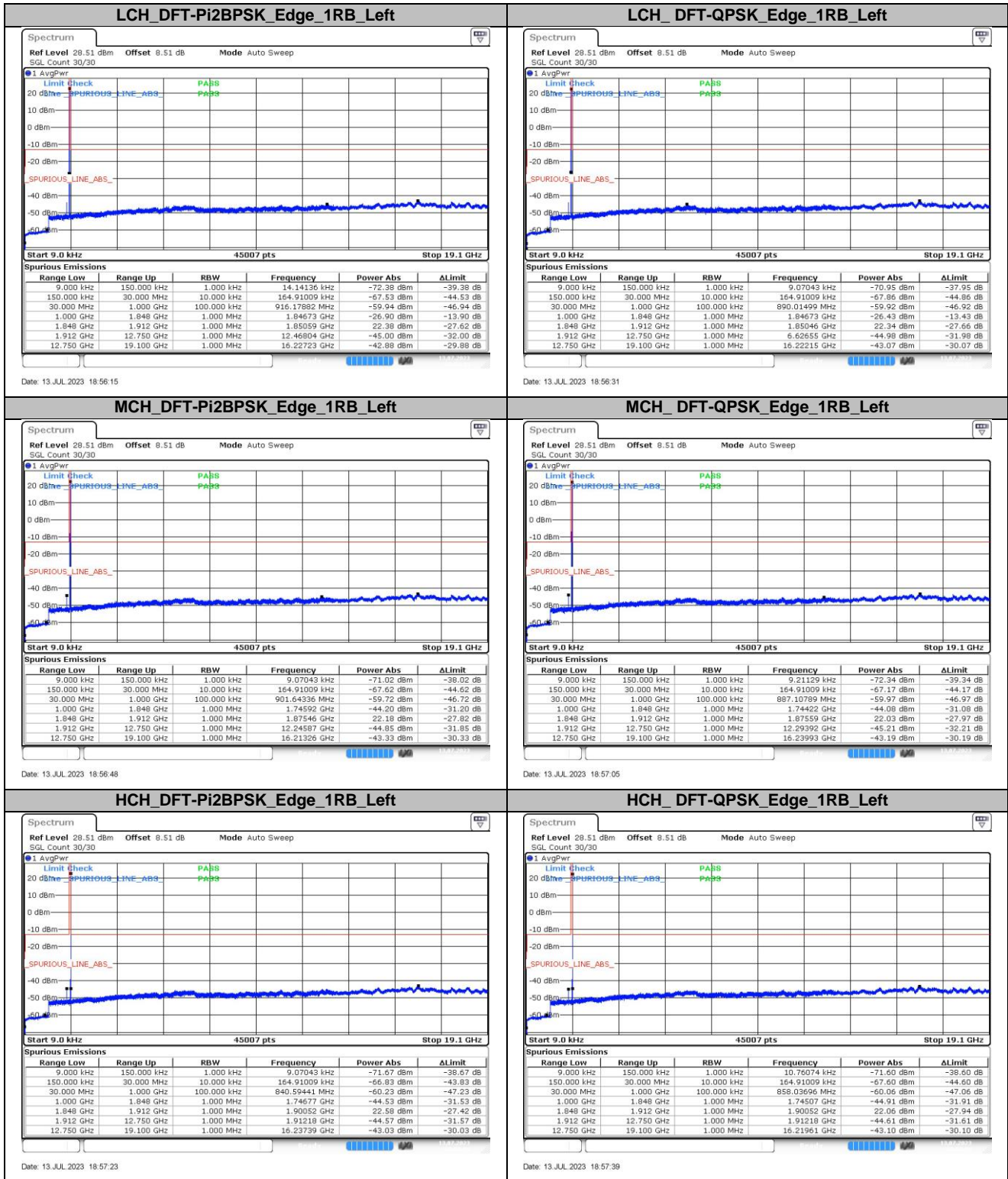
6. Conducted Spurious Emission

6.1. Test Plots

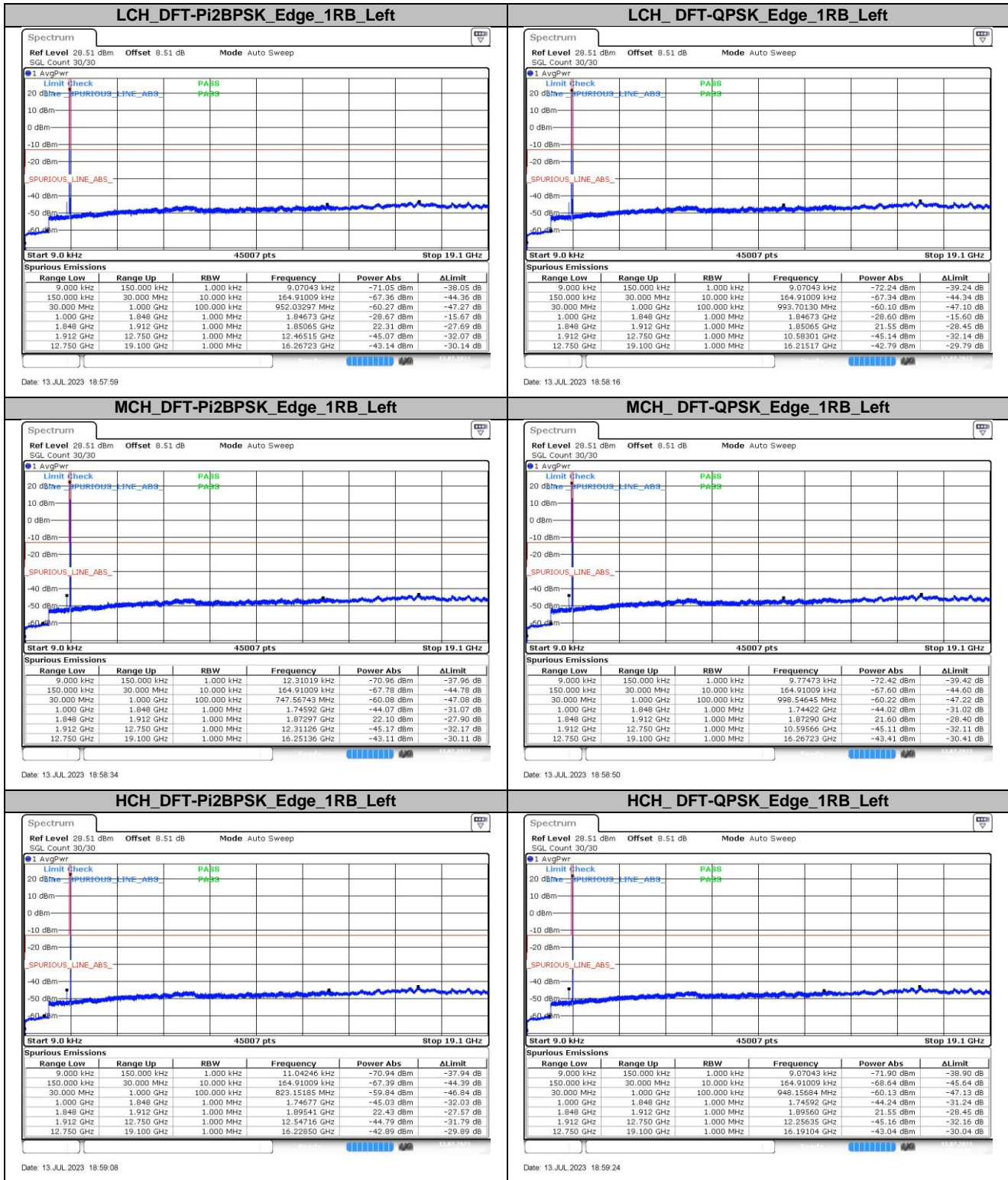
6.1.1. Bandwidth:5MHz



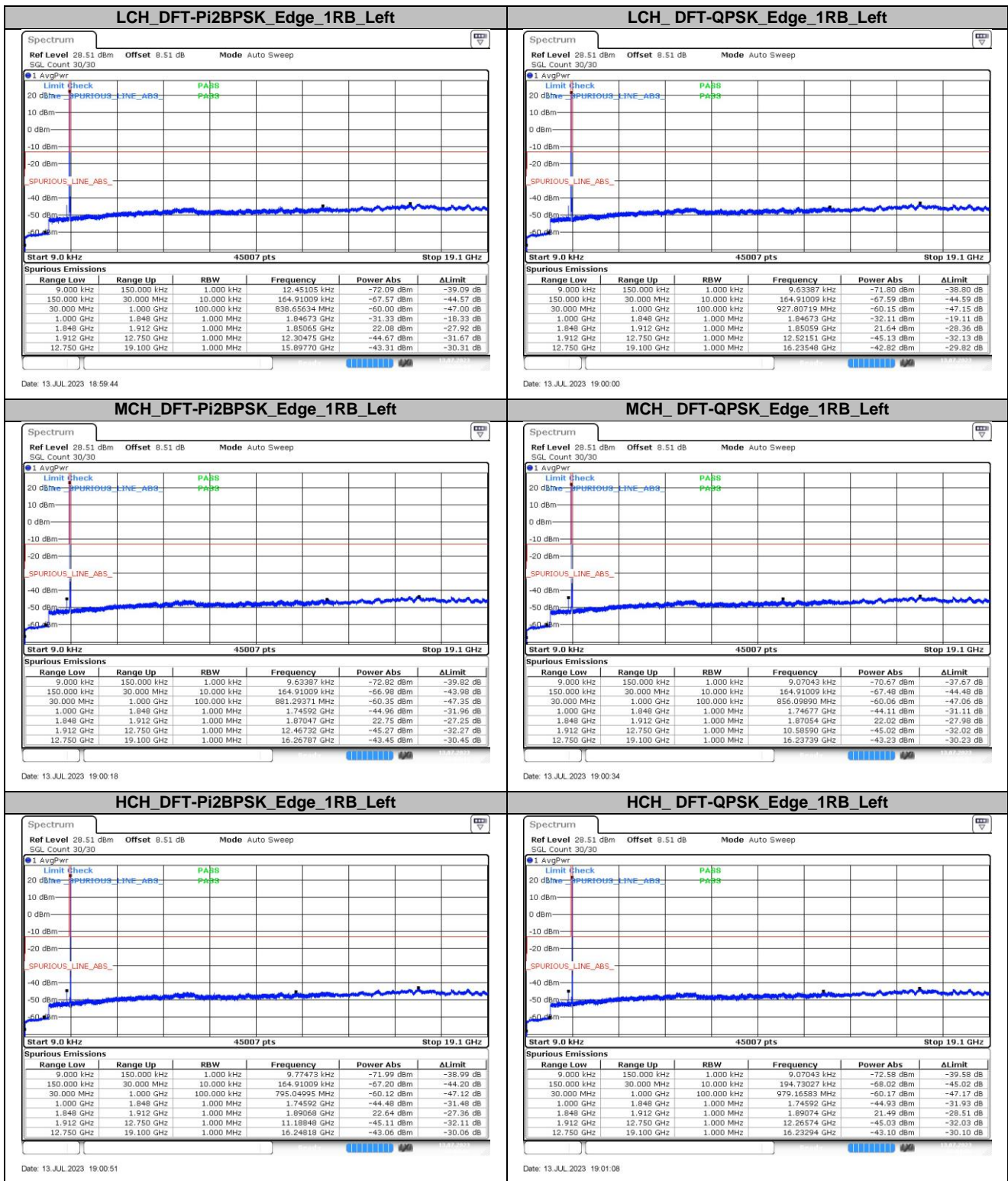
6.1.2. Bandwidth:10MHz



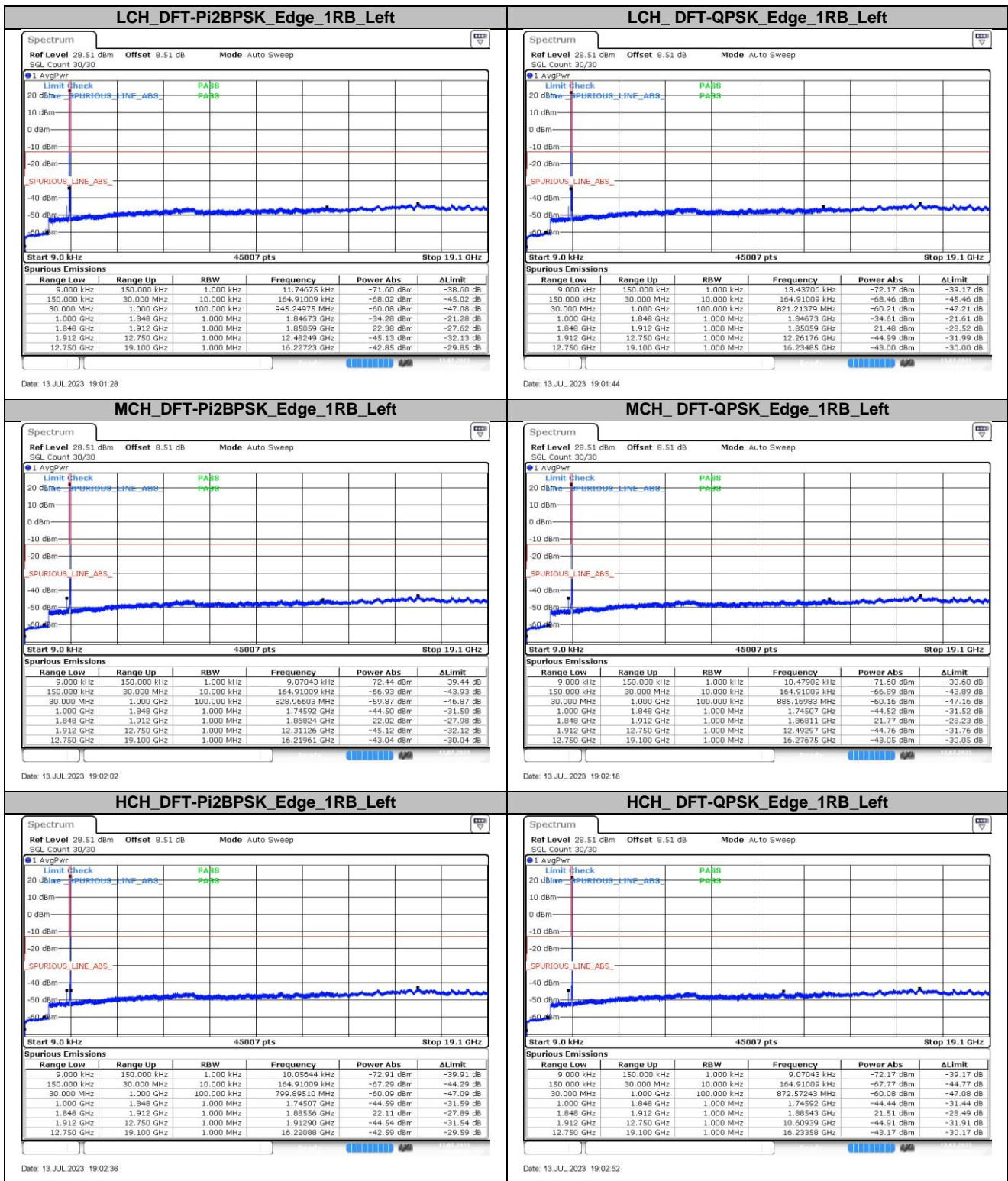
6.1.3. Bandwidth:15MHz



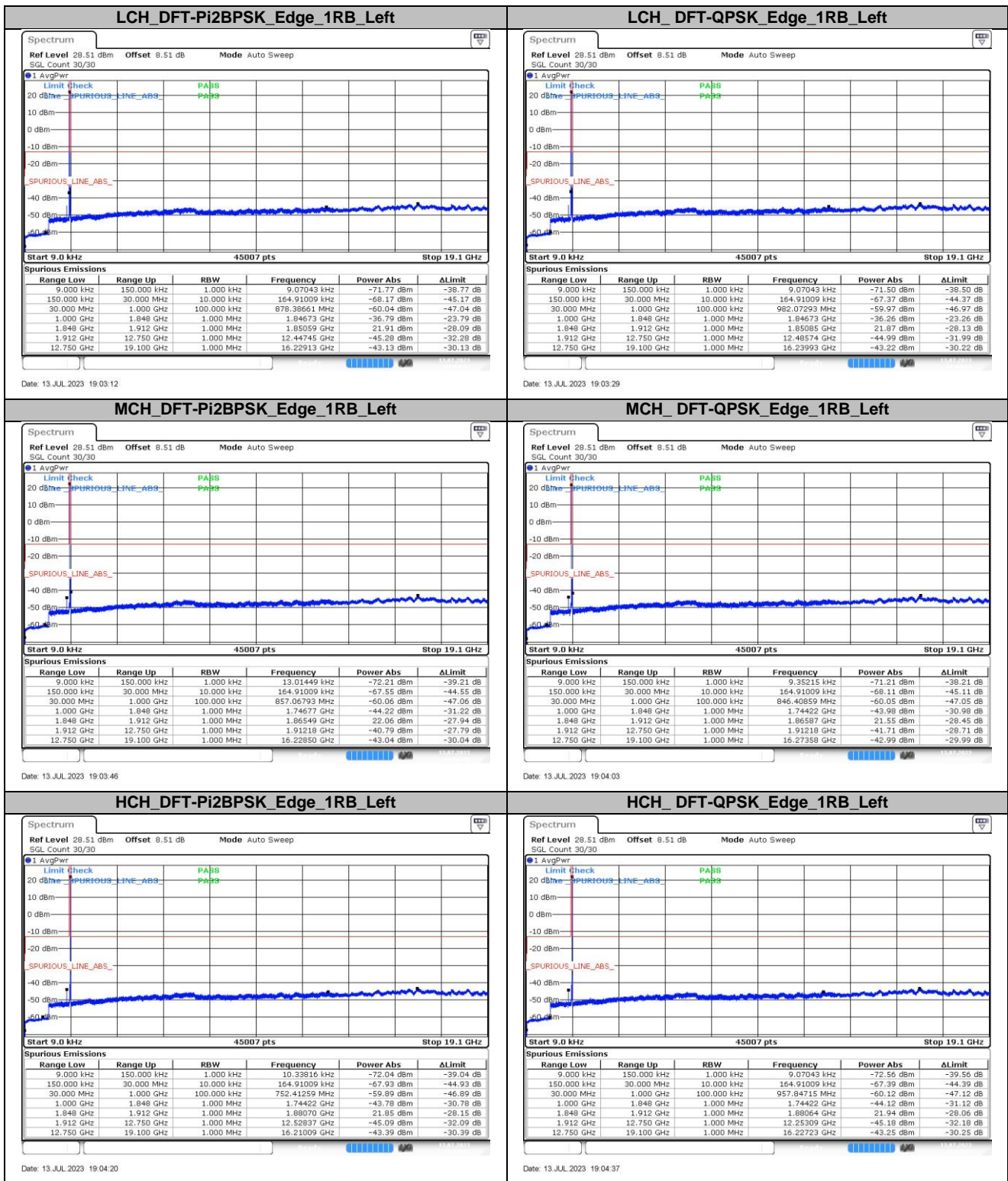
6.1.4. Bandwidth:20MHz



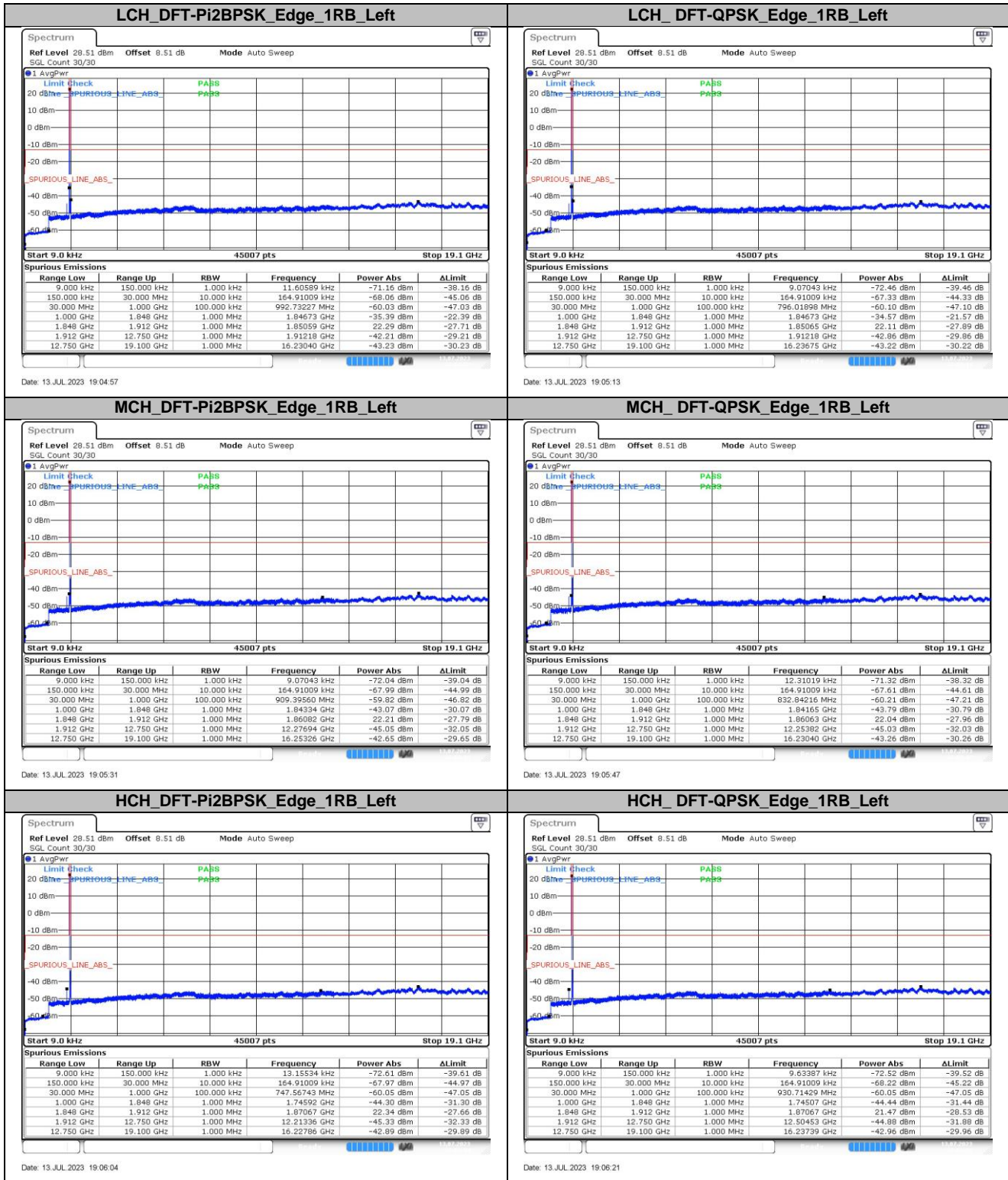
6.1.5. Bandwidth:25MHz



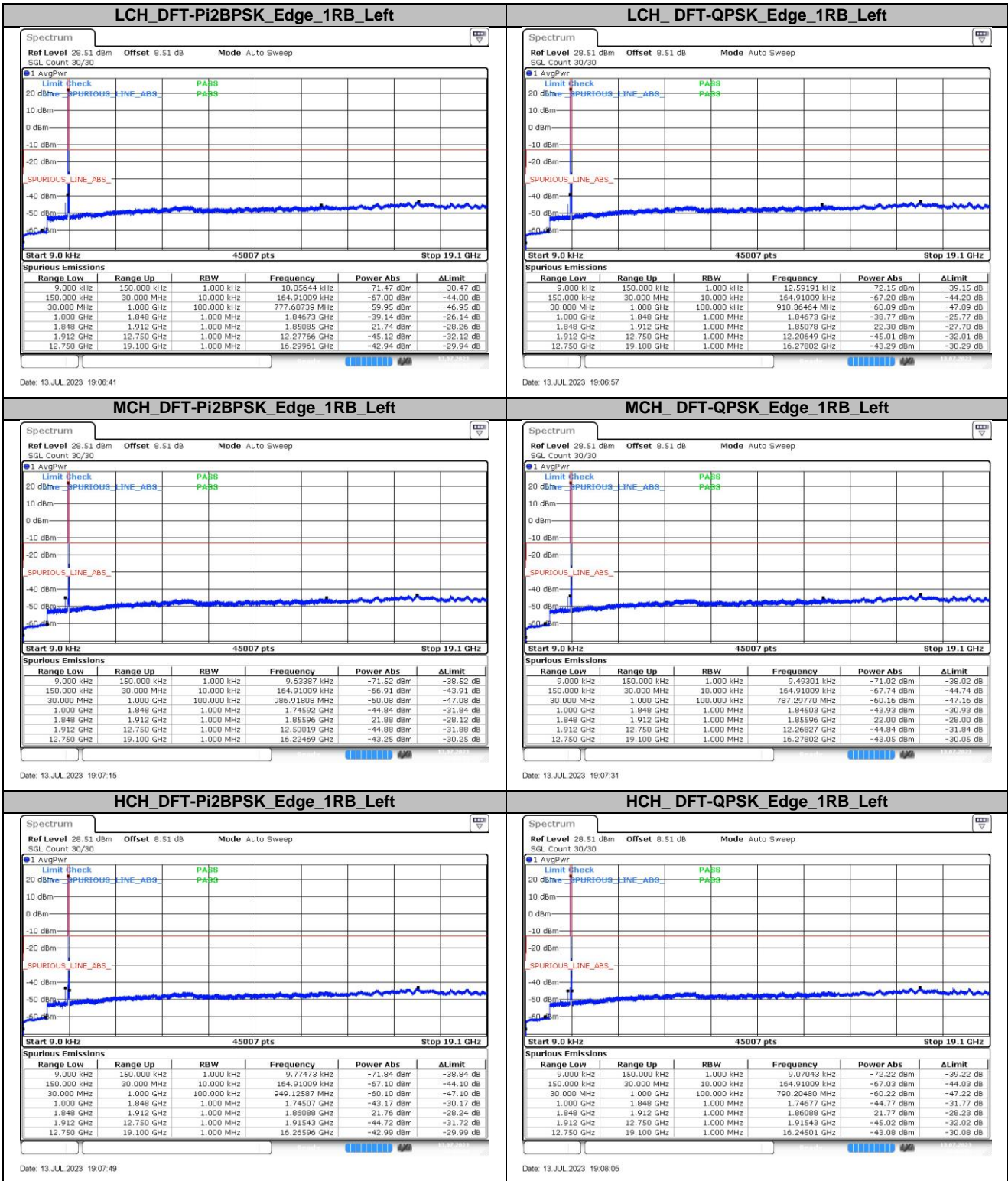
6.1.6. Bandwidth:30MHz



6.1.7. Bandwidth:40MHz



6.1.8. Bandwidth:50MHz



7. Frequency Stability

7.1. Test Results

7.1.1. Frequency Error Vs Voltage

SCS	Bandwidth	Channel	RB Config	Modulation	Temperature	Voltage	Deviation Result		Verdict
							(Hz)	(ppm)	
15KHz	50MHz	MCH	Outer_Full	DFT-QPSK	NT	LV	0.30	0.000160	Pass
15KHz	50MHz	MCH	Outer_Full	DFT-QPSK	NT	NV	-3.30	-0.001755	Pass
15KHz	50MHz	MCH	Outer_Full	DFT-QPSK	NT	HV	-0.70	-0.000372	Pass

7.1.2. Frequency Error Vs Temperature

SCS	Bandwidth	Channel	RB Config	Modulation	Temperature	Voltage	Deviation Result		Verdict
							(Hz)	(ppm)	
15KHz	50MHz	MCH	Outer_Full	DFT-QPSK	-30°C	NV	0.10	0.000053	Pass
15KHz	50MHz	MCH	Outer_Full	DFT-QPSK	-20°C	NV	-2.30	-0.001223	Pass
15KHz	50MHz	MCH	Outer_Full	DFT-QPSK	-10°C	NV	-2.90	-0.001543	Pass
15KHz	50MHz	MCH	Outer_Full	DFT-QPSK	0°C	NV	-4.40	-0.002340	Pass
15KHz	50MHz	MCH	Outer_Full	DFT-QPSK	10°C	NV	-6.50	-0.003457	Pass
15KHz	50MHz	MCH	Outer_Full	DFT-QPSK	20°C	NV	-5.60	-0.002979	Pass
15KHz	50MHz	MCH	Outer_Full	DFT-QPSK	30°C	NV	-1.30	-0.000691	Pass
15KHz	50MHz	MCH	Outer_Full	DFT-QPSK	40°C	NV	-1.60	-0.000851	Pass
15KHz	50MHz	MCH	Outer_Full	DFT-QPSK	50°C	NV	-1.60	-0.000851	Pass

The End

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

Contents

- 1. EFFECTIVE RADIATED POWER 3
 - 1.1. TEST RESULTS @ ANT0 (ANTENNA GAIN=-3.50DBI)..... 3
- 2. PEAK-TO-AVERAGE RATIO 5
 - 2.1. TEST RESULTS 5
 - 2.2. TEST PLOTS..... 5
- 3. MODULATION CHARACTERISTICS 6
 - 3.1. TEST PLOTS..... 6
- 4. 99% OCCUPIED BANDWIDTH & 26DB EMISSION BANDWIDTH 8
 - 4.1. TEST RESULTS 8
 - 4.2. TEST PLOTS..... 9
- 5. CONDUCTED BAND EDGES 14
 - 5.1. TEST PLOTS..... 14
- 6. CONDUCTED SPURIOUS EMISSION 20
 - 6.1. TEST PLOTS..... 20
- 7. FREQUENCY STABILITY..... 24
 - 7.1. TEST RESULTS 24

1. Effective Radiated Power

1.1. Test Results @ Ant0 (Antenna Gain=-3.50dBi)

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-Pi/2BPSK	22.83	22.85	22.90	17.25	38.45	Pass
15KHz	5MHz	LCH	DFT-QPSK	22.93	23.01	22.96	17.36	38.45	Pass
15KHz	5MHz	LCH	DFT-16QAM	21.91	21.87	21.92	16.27	38.45	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.60	20.64	20.47	14.99	38.45	Pass
15KHz	5MHz	LCH	DFT-256QAM	18.81	18.73	18.48	13.16	38.45	Pass
15KHz	5MHz	LCH	CP-QPSK	21.13	21.31	21.66	16.01	38.45	Pass
15KHz	5MHz	MCH	DFT-Pi/2BPSK	23.01	23.08	23.03	17.43	38.45	Pass
15KHz	5MHz	MCH	DFT-QPSK	23.05	23.15	23.13	17.50	38.45	Pass
15KHz	5MHz	MCH	DFT-16QAM	22.29	22.30	22.16	16.65	38.45	Pass
15KHz	5MHz	MCH	DFT-64QAM	20.70	20.71	20.68	15.06	38.45	Pass
15KHz	5MHz	MCH	DFT-256QAM	18.45	18.41	18.58	12.93	38.45	Pass
15KHz	5MHz	MCH	CP-QPSK	21.44	21.53	21.66	16.01	38.45	Pass
15KHz	5MHz	HCH	DFT-Pi/2BPSK	23.02	23.21	23.29	17.64	38.45	Pass
15KHz	5MHz	HCH	DFT-QPSK	23.24	23.43	23.30	17.78	38.45	Pass
15KHz	5MHz	HCH	DFT-16QAM	22.24	22.46	22.26	16.81	38.45	Pass
15KHz	5MHz	HCH	DFT-64QAM	20.83	20.91	20.73	15.26	38.45	Pass
15KHz	5MHz	HCH	DFT-256QAM	18.66	18.68	18.74	13.09	38.45	Pass
15KHz	5MHz	HCH	CP-QPSK	21.47	21.56	21.69	16.04	38.45	Pass
15KHz	10MHz	LCH	DFT-Pi/2BPSK	22.89	22.99	23.01	17.36	38.45	Pass
15KHz	10MHz	LCH	DFT-QPSK	22.99	23.03	23.01	17.38	38.45	Pass
15KHz	10MHz	LCH	DFT-16QAM	21.97	22.18	22.05	16.53	38.45	Pass
15KHz	10MHz	LCH	DFT-64QAM	20.57	20.61	20.49	14.96	38.45	Pass
15KHz	10MHz	LCH	DFT-256QAM	18.39	18.46	18.45	12.81	38.45	Pass
15KHz	10MHz	LCH	CP-QPSK	21.20	21.45	21.52	15.87	38.45	Pass
15KHz	10MHz	MCH	DFT-Pi/2BPSK	22.92	23.13	23.05	17.48	38.45	Pass
15KHz	10MHz	MCH	DFT-QPSK	22.97	23.19	23.05	17.54	38.45	Pass
15KHz	10MHz	MCH	DFT-16QAM	22.17	22.42	22.12	16.77	38.45	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.58	20.79	20.66	15.14	38.45	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.36	18.54	18.49	12.89	38.45	Pass
15KHz	10MHz	MCH	CP-QPSK	21.39	21.53	21.62	15.97	38.45	Pass
15KHz	10MHz	HCH	DFT-Pi/2BPSK	23.07	23.21	23.20	17.56	38.45	Pass
15KHz	10MHz	HCH	DFT-QPSK	23.14	23.48	23.27	17.83	38.45	Pass
15KHz	10MHz	HCH	DFT-16QAM	22.24	22.47	22.17	16.82	38.45	Pass
15KHz	10MHz	HCH	DFT-64QAM	20.66	20.85	20.71	15.20	38.45	Pass
15KHz	10MHz	HCH	DFT-256QAM	18.53	18.70	18.71	13.06	38.45	Pass
15KHz	10MHz	HCH	CP-QPSK	21.44	21.57	21.74	16.09	38.45	Pass
15KHz	15MHz	LCH	DFT-Pi/2BPSK	22.90	22.99	22.95	17.34	38.45	Pass
15KHz	15MHz	LCH	DFT-QPSK	23.01	23.14	22.95	17.49	38.45	Pass
15KHz	15MHz	LCH	DFT-16QAM	22.10	22.41	21.96	16.76	38.45	Pass
15KHz	15MHz	LCH	DFT-64QAM	20.55	20.73	20.39	15.08	38.45	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.34	18.55	18.53	12.90	38.45	Pass
15KHz	15MHz	LCH	CP-QPSK	21.30	21.51	21.47	15.86	38.45	Pass
15KHz	15MHz	MCH	DFT-Pi/2BPSK	22.84	23.16	23.07	17.51	38.45	Pass
15KHz	15MHz	MCH	DFT-QPSK	23.04	23.28	23.12	17.63	38.45	Pass
15KHz	15MHz	MCH	DFT-16QAM	22.10	22.44	22.06	16.79	38.45	Pass
15KHz	15MHz	MCH	DFT-64QAM	20.48	20.81	20.49	15.16	38.45	Pass
15KHz	15MHz	MCH	DFT-256QAM	18.37	18.65	18.70	13.05	38.45	Pass
15KHz	15MHz	MCH	CP-QPSK	21.32	21.59	21.71	16.06	38.45	Pass
15KHz	15MHz	HCH	DFT-Pi/2BPSK	22.98	23.13	23.19	17.54	38.45	Pass
15KHz	15MHz	HCH	DFT-QPSK	23.11	23.41	23.15	17.76	38.45	Pass
15KHz	15MHz	HCH	DFT-16QAM	22.26	22.48	22.11	16.83	38.45	Pass
15KHz	15MHz	HCH	DFT-64QAM	20.70	20.93	20.63	15.28	38.45	Pass
15KHz	15MHz	HCH	DFT-256QAM	18.53	18.70	18.71	13.06	38.45	Pass
15KHz	15MHz	HCH	CP-QPSK	21.45	21.71	21.77	16.12	38.45	Pass
15KHz	20MHz	LCH	DFT-Pi/2BPSK	22.94	23.12	23.05	17.47	38.45	Pass
15KHz	20MHz	LCH	DFT-QPSK	23.11	23.27	23.02	17.62	38.45	Pass
15KHz	20MHz	LCH	DFT-16QAM	22.15	22.34	22.05	16.69	38.45	Pass
15KHz	20MHz	LCH	DFT-64QAM	20.62	20.84	20.48	15.19	38.45	Pass
15KHz	20MHz	LCH	DFT-256QAM	18.46	18.74	18.60	13.09	38.45	Pass

15KHz	20MHz	LCH	CP-QPSK	21.30	21.58	21.57	15.93	38.45	Pass
15KHz	20MHz	MCH	DFT-Pi/2BPSK	22.88	23.28	23.11	17.63	38.45	Pass
15KHz	20MHz	MCH	DFT-QPSK	23.05	23.32	23.03	17.67	38.45	Pass
15KHz	20MHz	MCH	DFT-16QAM	22.08	22.27	22.12	16.62	38.45	Pass
15KHz	20MHz	MCH	DFT-64QAM	20.62	20.93	20.50	15.28	38.45	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.44	18.79	18.62	13.14	38.45	Pass
15KHz	20MHz	MCH	CP-QPSK	21.37	21.67	21.58	16.02	38.45	Pass
15KHz	20MHz	HCH	DFT-Pi/2BPSK	22.84	23.25	23.06	17.60	38.45	Pass
15KHz	20MHz	HCH	DFT-QPSK	22.97	23.35	23.04	17.70	38.45	Pass
15KHz	20MHz	HCH	DFT-16QAM	22.08	22.57	22.08	16.92	38.45	Pass
15KHz	20MHz	HCH	DFT-64QAM	20.35	20.91	20.56	15.26	38.45	Pass
15KHz	20MHz	HCH	DFT-256QAM	18.35	18.82	18.63	13.17	38.45	Pass
15KHz	20MHz	HCH	CP-QPSK	21.34	21.60	21.67	16.02	38.45	Pass
15KHz	25MHz	MCH	DFT-Pi/2BPSK	22.69	23.06	22.85	17.41	38.45	Pass
15KHz	25MHz	MCH	DFT-QPSK	22.81	23.15	22.84	17.50	38.45	Pass
15KHz	25MHz	MCH	DFT-16QAM	21.97	22.32	21.92	16.67	38.45	Pass
15KHz	25MHz	MCH	DFT-64QAM	20.34	20.65	20.36	15.00	38.45	Pass
15KHz	25MHz	MCH	DFT-256QAM	18.19	18.63	18.35	12.98	38.45	Pass
15KHz	25MHz	MCH	CP-QPSK	21.16	21.43	21.30	15.78	38.45	Pass
30KHz	10MHz	LCH	DFT-Pi/2BPSK	22.90	22.98	22.98	17.33	38.45	Pass
30KHz	10MHz	LCH	DFT-QPSK	23.55	23.23	22.99	17.90	38.45	Pass
30KHz	10MHz	LCH	DFT-16QAM	22.15	22.14	21.91	16.50	38.45	Pass
30KHz	10MHz	LCH	DFT-64QAM	20.45	20.50	20.47	14.85	38.45	Pass
30KHz	10MHz	LCH	DFT-256QAM	18.44	18.45	18.48	12.83	38.45	Pass
30KHz	10MHz	LCH	CP-QPSK	21.26	21.37	21.52	15.87	38.45	Pass
30KHz	10MHz	MCH	DFT-Pi/2BPSK	22.92	23.13	23.03	17.48	38.45	Pass
30KHz	10MHz	MCH	DFT-QPSK	23.40	23.56	23.11	17.91	38.45	Pass
30KHz	10MHz	MCH	DFT-16QAM	22.25	22.35	22.13	16.70	38.45	Pass
30KHz	10MHz	MCH	DFT-64QAM	20.55	20.56	20.55	14.91	38.45	Pass
30KHz	10MHz	MCH	DFT-256QAM	18.47	18.62	18.57	12.97	38.45	Pass
30KHz	10MHz	MCH	CP-QPSK	21.28	21.43	21.57	15.92	38.45	Pass
30KHz	10MHz	HCH	DFT-Pi/2BPSK	22.99	23.24	23.26	17.61	38.45	Pass
30KHz	10MHz	HCH	DFT-QPSK	23.45	23.95	23.09	18.30	38.45	Pass
30KHz	10MHz	HCH	DFT-16QAM	22.46	22.59	22.17	16.94	38.45	Pass
30KHz	10MHz	HCH	DFT-64QAM	20.64	20.66	20.77	15.12	38.45	Pass
30KHz	10MHz	HCH	DFT-256QAM	18.54	18.77	18.71	13.12	38.45	Pass
30KHz	10MHz	HCH	CP-QPSK	21.36	21.53	21.72	16.07	38.45	Pass
30KHz	15MHz	LCH	DFT-Pi/2BPSK	22.84	23.03	23.02	17.38	38.45	Pass
30KHz	15MHz	LCH	DFT-QPSK	23.32	23.58	23.04	17.93	38.45	Pass
30KHz	15MHz	LCH	DFT-16QAM	22.10	22.33	21.90	16.68	38.45	Pass
30KHz	15MHz	LCH	DFT-64QAM	20.42	20.58	20.48	14.93	38.45	Pass
30KHz	15MHz	LCH	DFT-256QAM	18.33	18.54	18.60	12.95	38.45	Pass
30KHz	15MHz	LCH	CP-QPSK	21.26	21.32	21.44	15.79	38.45	Pass
30KHz	15MHz	MCH	DFT-Pi/2BPSK	22.86	23.12	22.97	17.47	38.45	Pass
30KHz	15MHz	MCH	DFT-QPSK	23.33	23.49	23.09	17.84	38.45	Pass
30KHz	15MHz	MCH	DFT-16QAM	22.11	22.36	22.16	16.71	38.45	Pass
30KHz	15MHz	MCH	DFT-64QAM	20.46	20.73	20.53	15.08	38.45	Pass
30KHz	15MHz	MCH	DFT-256QAM	18.43	18.58	18.64	12.99	38.45	Pass
30KHz	15MHz	MCH	CP-QPSK	21.26	21.38	21.58	15.93	38.45	Pass
30KHz	15MHz	HCH	DFT-Pi/2BPSK	23.02	23.17	23.11	17.52	38.45	Pass
30KHz	15MHz	HCH	DFT-QPSK	23.47	23.79	23.07	18.14	38.45	Pass
30KHz	15MHz	HCH	DFT-16QAM	22.21	22.48	22.08	16.83	38.45	Pass
30KHz	15MHz	HCH	DFT-64QAM	20.57	20.68	20.56	15.03	38.45	Pass
30KHz	15MHz	HCH	DFT-256QAM	18.49	18.68	18.67	13.03	38.45	Pass
30KHz	15MHz	HCH	CP-QPSK	21.31	21.49	21.62	15.97	38.45	Pass
30KHz	20MHz	LCH	DFT-Pi/2BPSK	22.84	23.14	23.05	17.49	38.45	Pass
30KHz	20MHz	LCH	DFT-QPSK	23.48	23.79	23.00	18.14	38.45	Pass
30KHz	20MHz	LCH	DFT-16QAM	22.25	22.47	22.06	16.82	38.45	Pass
30KHz	20MHz	LCH	DFT-64QAM	20.40	20.71	20.48	15.06	38.45	Pass
30KHz	20MHz	LCH	DFT-256QAM	18.43	18.70	18.52	13.05	38.45	Pass
30KHz	20MHz	LCH	CP-QPSK	21.23	21.42	21.53	15.88	38.45	Pass
30KHz	20MHz	MCH	DFT-Pi/2BPSK	22.82	23.21	23.06	17.56	38.45	Pass
30KHz	20MHz	MCH	DFT-QPSK	23.44	23.72	23.15	18.07	38.45	Pass
30KHz	20MHz	MCH	DFT-16QAM	22.15	22.53	22.04	16.88	38.45	Pass

30KHz	20MHz	MCH	DFT-64QAM	20.42	20.71	20.51	15.06	38.45	Pass
30KHz	20MHz	MCH	DFT-256QAM	18.46	18.67	18.53	13.02	38.45	Pass
30KHz	20MHz	MCH	CP-QPSK	21.12	21.55	21.49	15.90	38.45	Pass
30KHz	20MHz	HCH	DFT-Pi/2BPSK	22.89	23.25	23.12	17.60	38.45	Pass
30KHz	20MHz	HCH	DFT-QPSK	23.43	23.73	23.11	18.08	38.45	Pass
30KHz	20MHz	HCH	DFT-16QAM	22.01	22.47	22.09	16.82	38.45	Pass
30KHz	20MHz	HCH	DFT-64QAM	20.44	20.77	20.58	15.12	38.45	Pass
30KHz	20MHz	HCH	DFT-256QAM	18.42	18.75	18.59	13.10	38.45	Pass
30KHz	20MHz	HCH	CP-QPSK	21.32	21.69	21.59	16.04	38.45	Pass
30KHz	25MHz	MCH	DFT-Pi/2BPSK	22.75	23.24	22.83	17.59	38.45	Pass
30KHz	25MHz	MCH	DFT-QPSK	23.37	23.72	22.98	18.07	38.45	Pass
30KHz	25MHz	MCH	DFT-16QAM	21.84	22.16	21.96	16.51	38.45	Pass
30KHz	25MHz	MCH	DFT-64QAM	20.57	20.91	20.25	15.26	38.45	Pass
30KHz	25MHz	MCH	DFT-256QAM	18.12	18.47	18.33	12.82	38.45	Pass
30KHz	25MHz	MCH	CP-QPSK	21.24	21.56	21.42	15.91	38.45	Pass

2. Peak-to-Average Ratio

2.1. Test Results

SCS	Bandwidth	Channel	RB Config	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	25MHz	MCH	Outer_Full	6.08	5.57	13.00	Pass

2.2. Test Plots

2.2.1. Bandwidth:25MHz

