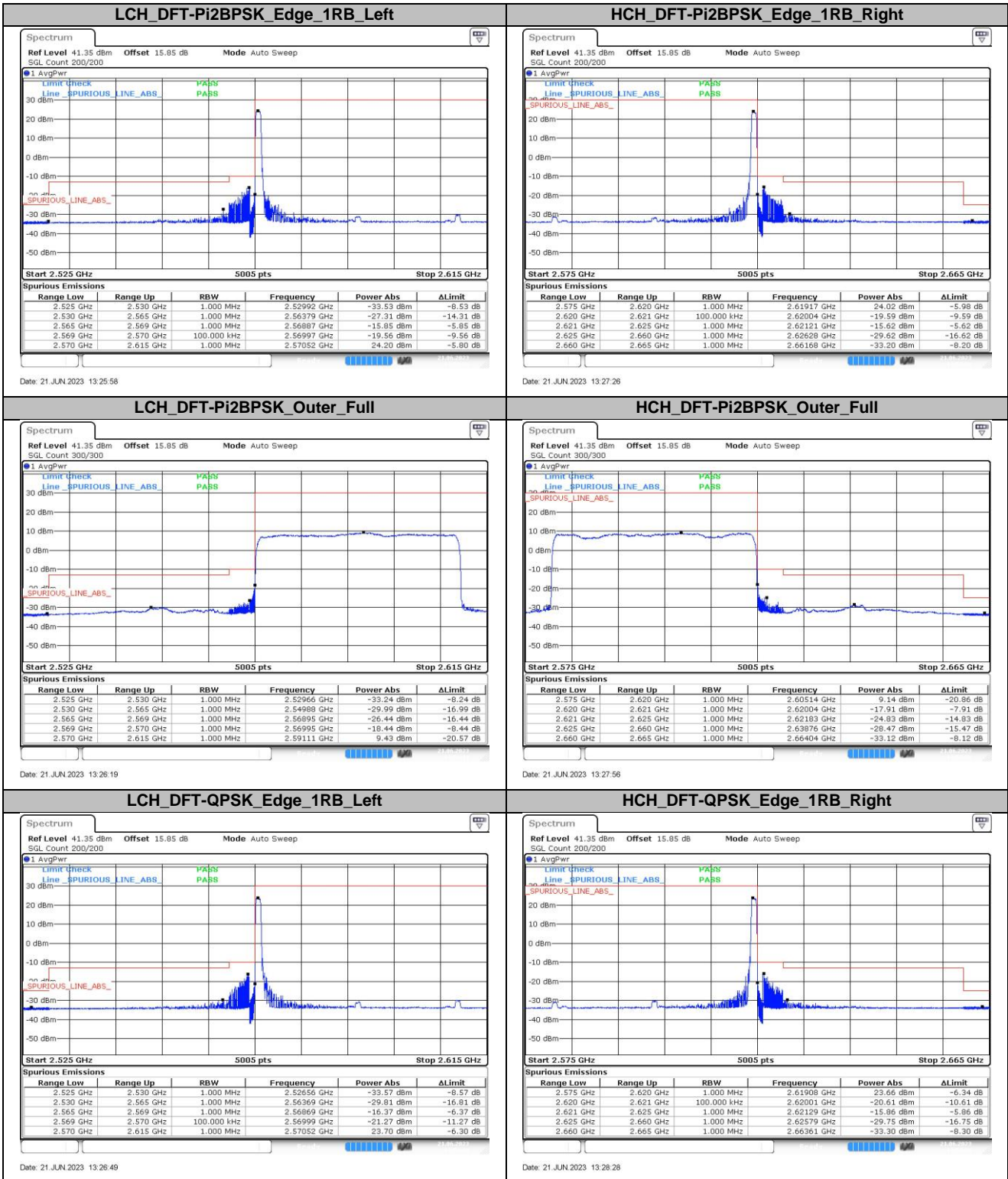
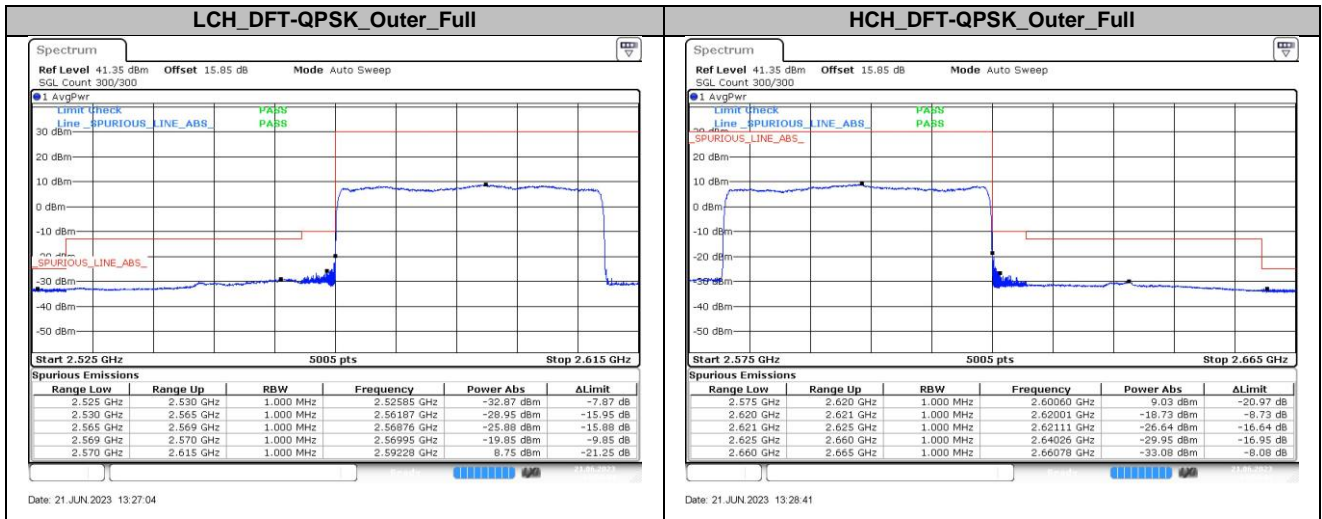


5.1.7. Bandwidth:40MHz

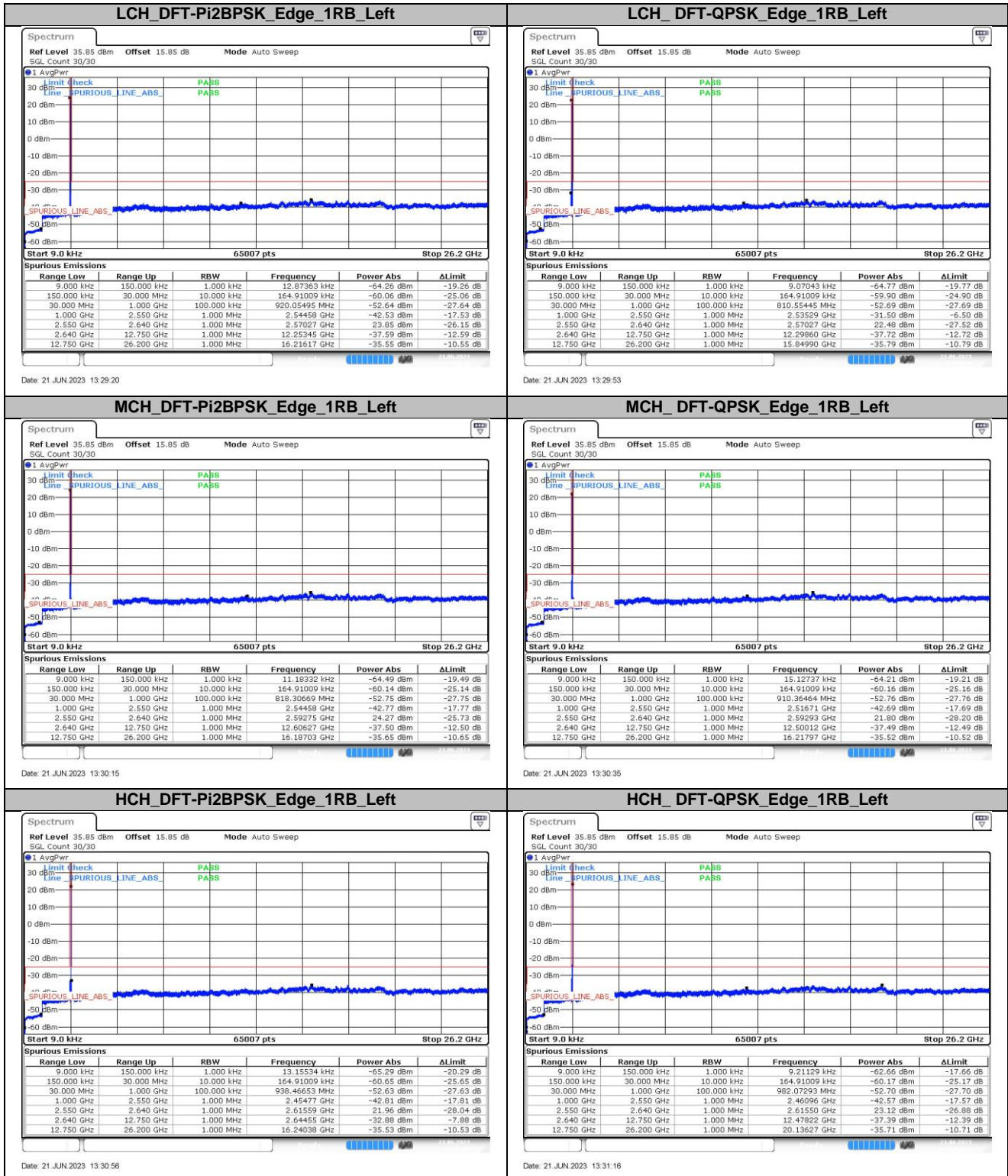




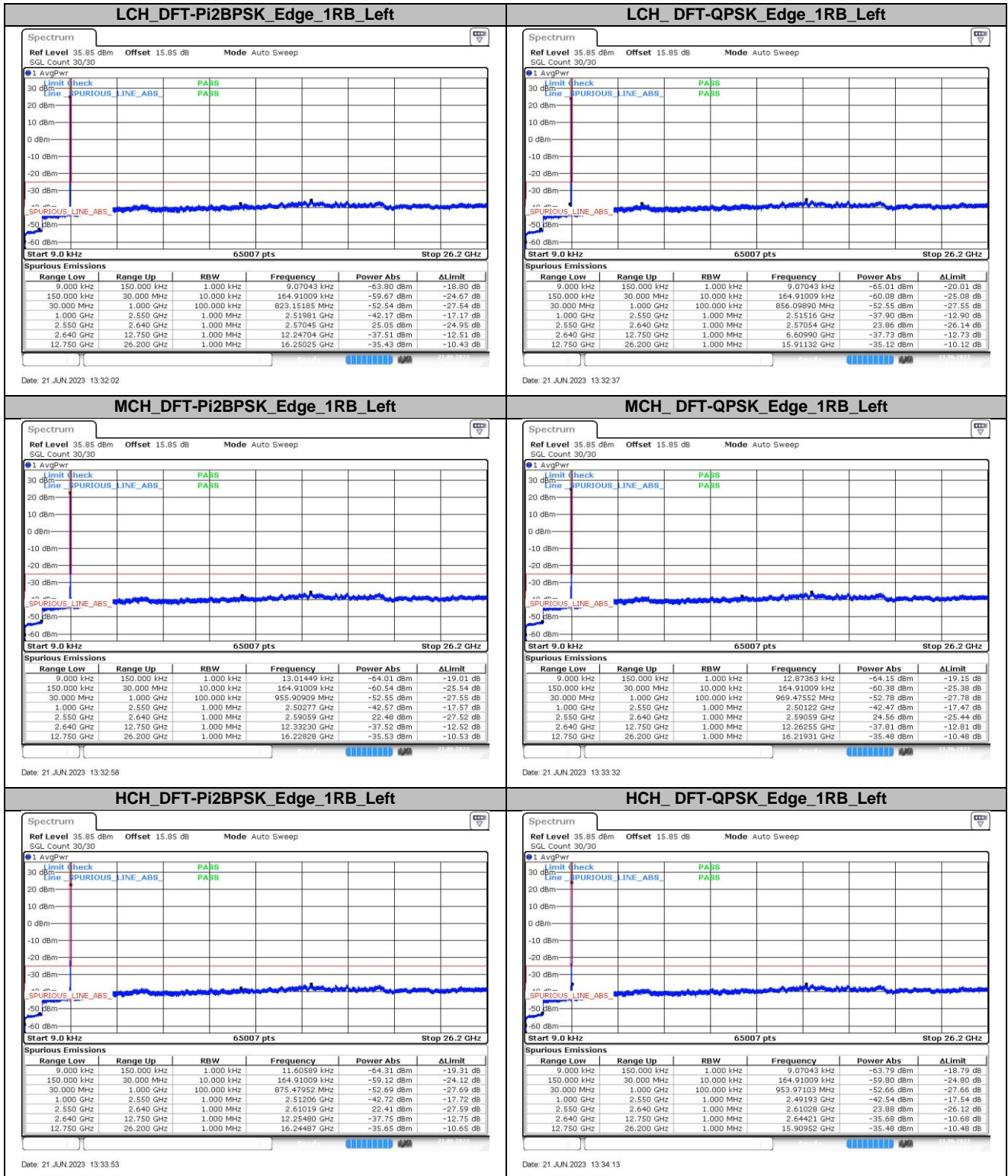
## 6. Conducted Spurious Emission

### 6.1. Test Plots

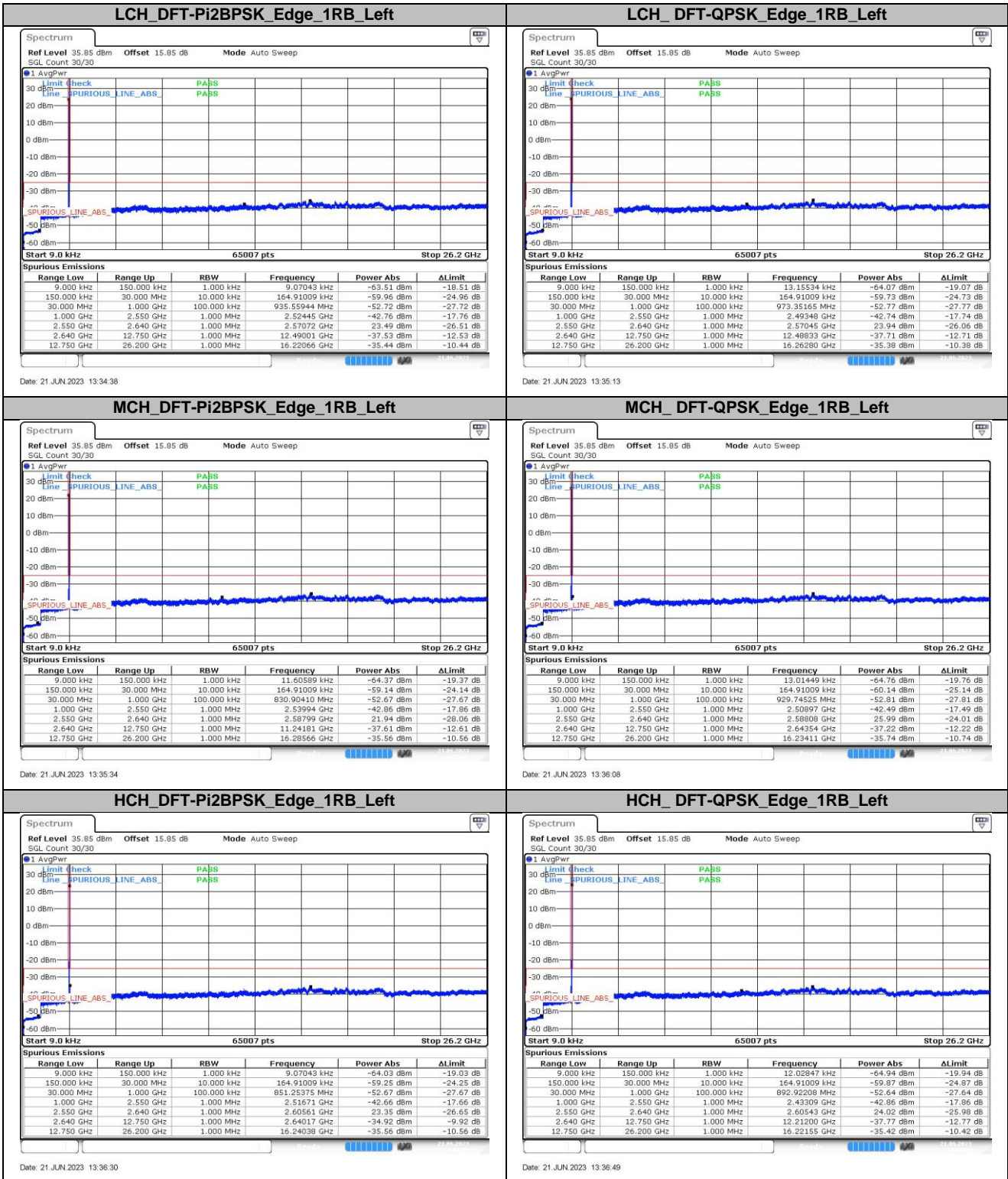
#### 6.1.1. Bandwidth:5MHz



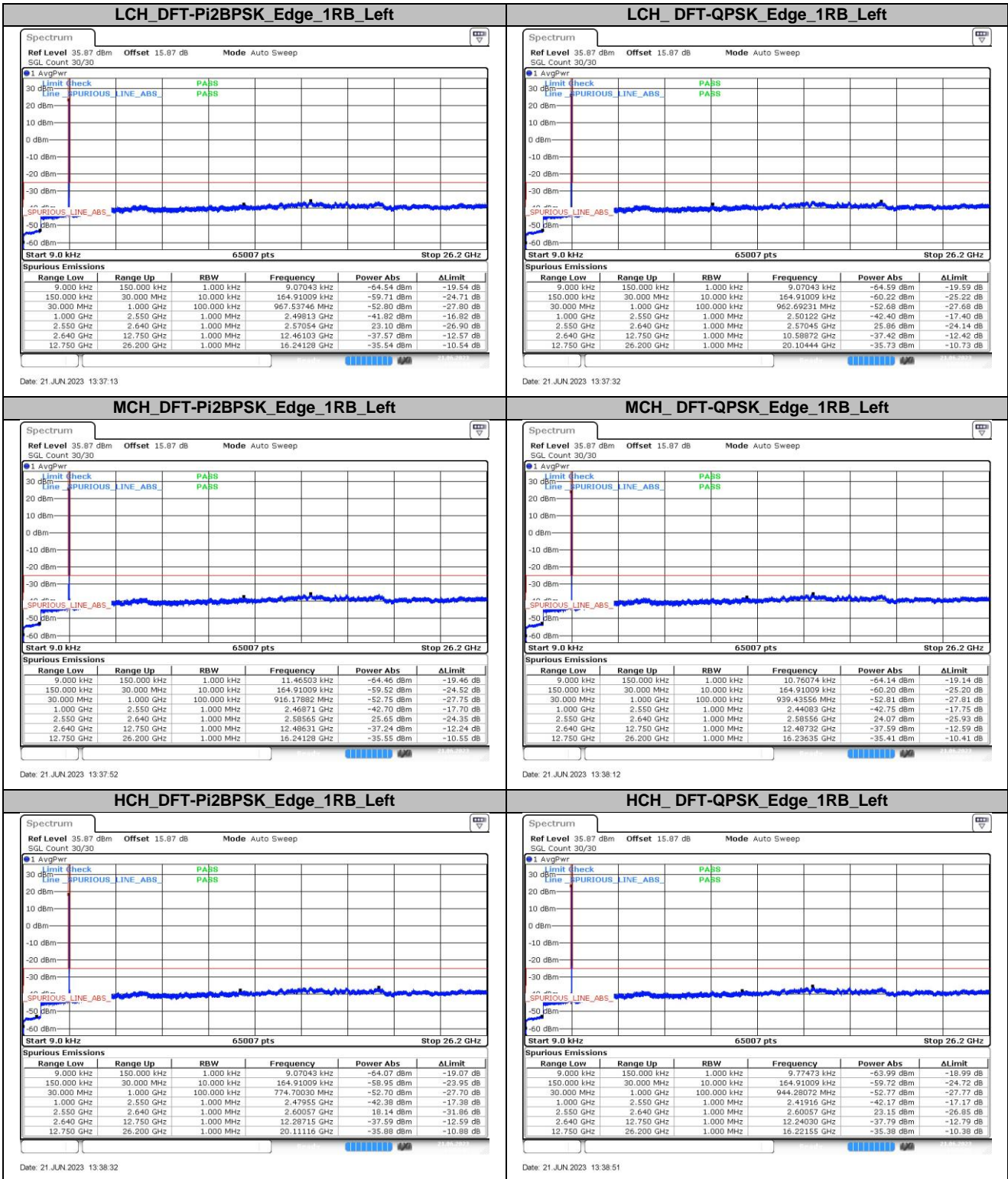
6.1.2. Bandwidth:10MHz



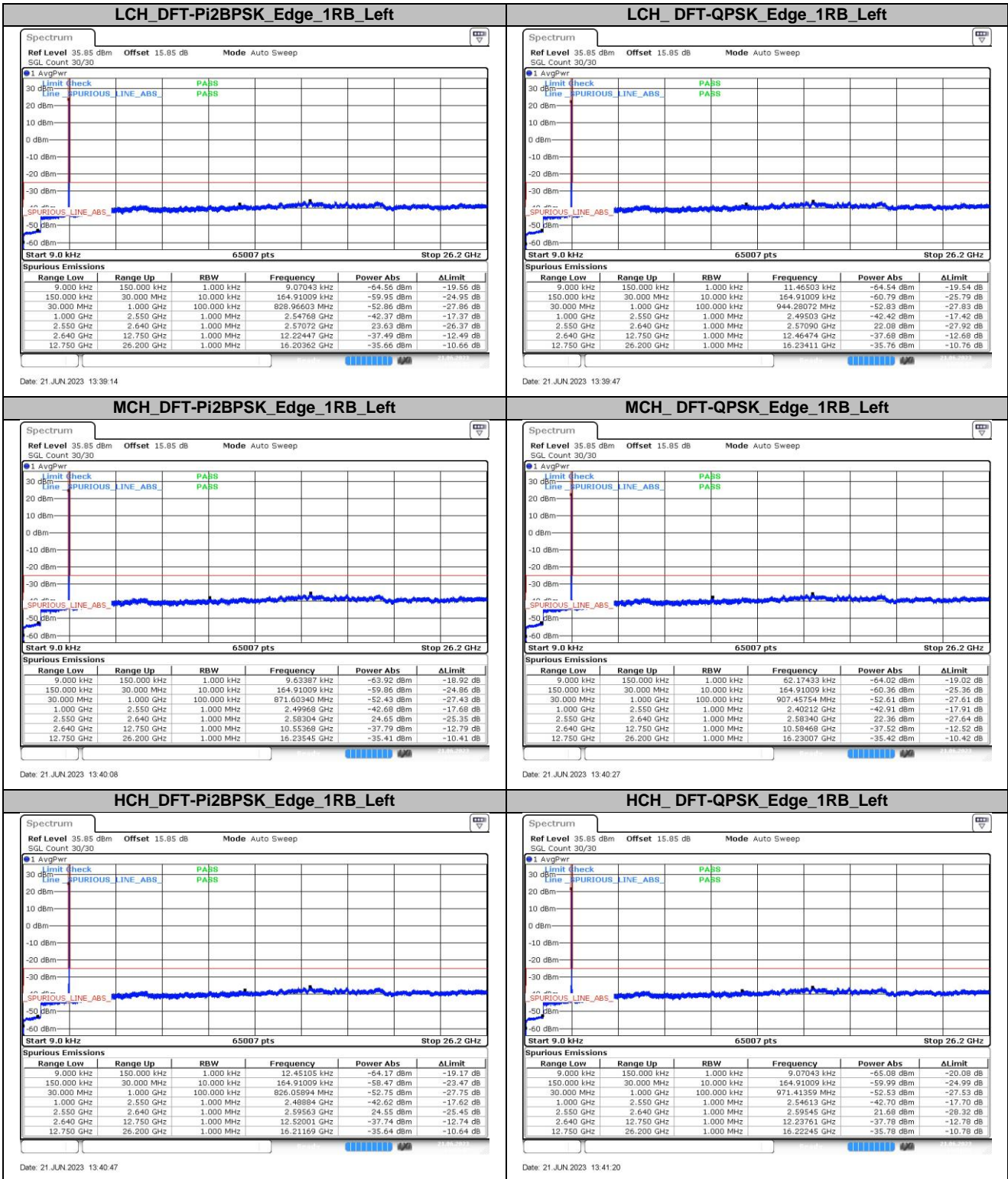
6.1.3. Bandwidth:15MHz



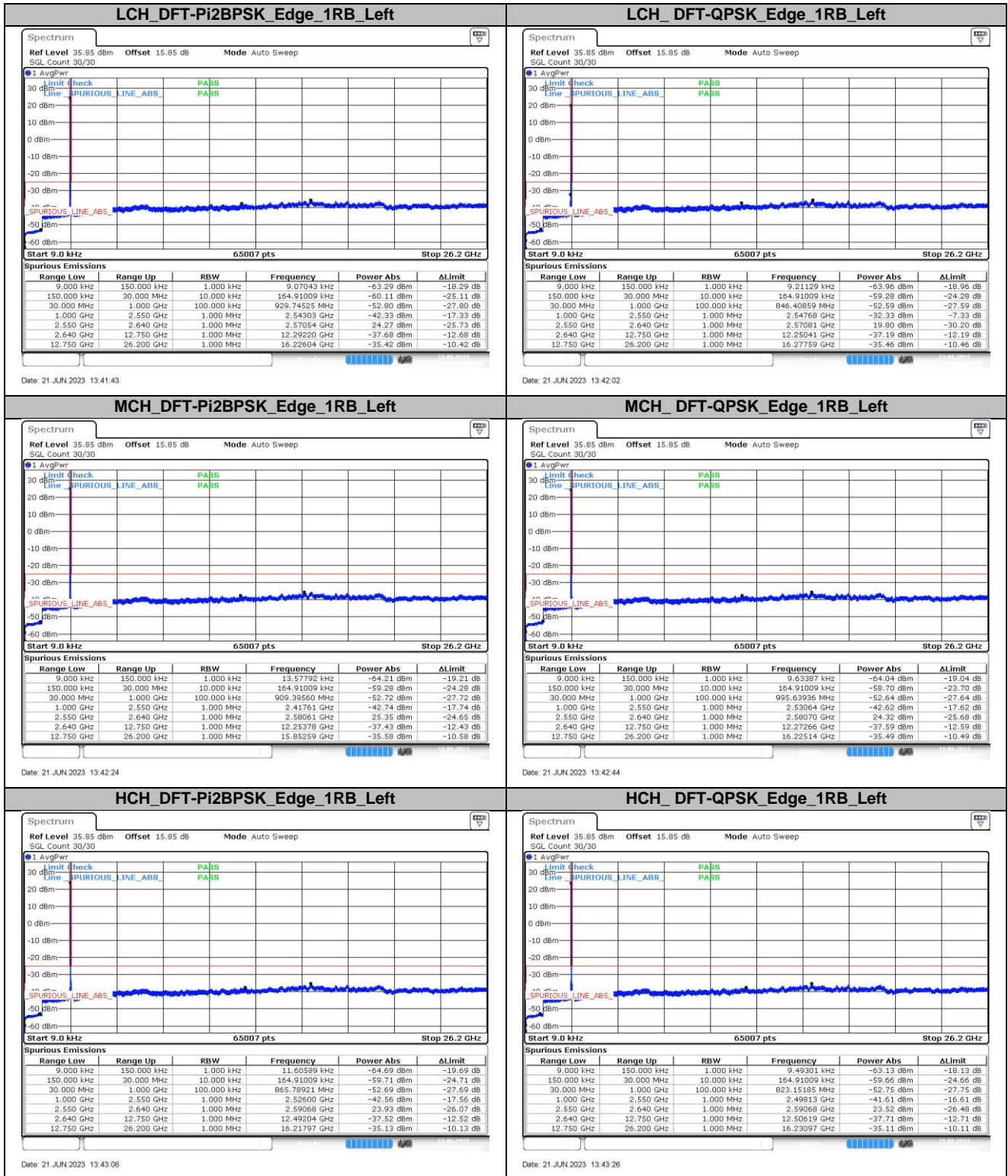
6.1.4. Bandwidth:20MHz



6.1.5. Bandwidth:25MHz

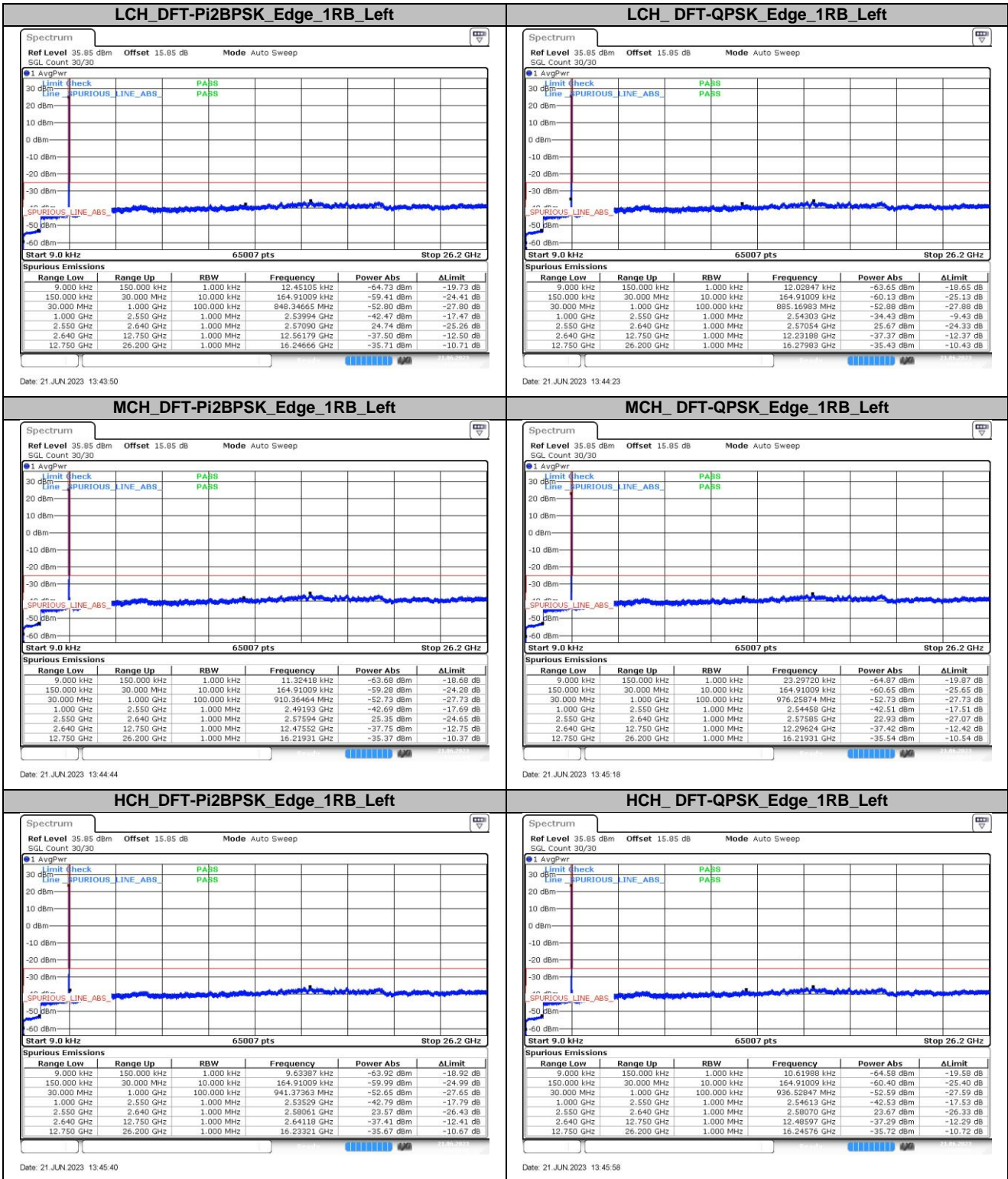


6.1.6. Bandwidth:30MHz





6.1.7. Bandwidth:40MHz



## 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	40MHz	MCH	Outer_Full	DFT-QPSK	NT	LV	-3.30	-0.001272	Pass
15KHz	40MHz	MCH	Outer_Full	DFT-QPSK	NT	NV	-1.50	-0.000578	Pass
15KHz	40MHz	MCH	Outer_Full	DFT-QPSK	NT	HV	-4.40	-0.001696	Pass

#### 7.1.2. Frequency Error Vs Temperature

SCS	Bandwidth	Channel	RB Config	Modulation	Temperature	Voltage	Deviation Result		Verdict
							(Hz)	(ppm)	
15KHz	40MHz	MCH	Outer_Full	DFT-QPSK	-30°C	NV	-7.30	-0.002813	Pass
15KHz	40MHz	MCH	Outer_Full	DFT-QPSK	-20°C	NV	-7.10	-0.002736	Pass
15KHz	40MHz	MCH	Outer_Full	DFT-QPSK	-10°C	NV	-7.60	-0.002929	Pass
15KHz	40MHz	MCH	Outer_Full	DFT-QPSK	0°C	NV	-6.40	-0.002466	Pass
15KHz	40MHz	MCH	Outer_Full	DFT-QPSK	10°C	NV	-6.70	-0.002582	Pass
15KHz	40MHz	MCH	Outer_Full	DFT-QPSK	20°C	NV	-4.40	-0.001696	Pass
15KHz	40MHz	MCH	Outer_Full	DFT-QPSK	30°C	NV	-7.40	-0.002852	Pass
15KHz	40MHz	MCH	Outer_Full	DFT-QPSK	40°C	NV	-4.90	-0.001888	Pass
15KHz	40MHz	MCH	Outer_Full	DFT-QPSK	50°C	NV	-5.60	-0.002158	Pass

---

The End

**Appendix  
for  
n41A  
(2496-2690)**

# Contents

- 1. EFFECTIVE ISOTROPIC RADIATED POWER ..... 3
  - 1.1. TEST RESULTS @ ANT1 (ANTENNA GAIN=-3.00DBI)..... 3
- 2. PEAK-TO-AVERAGE RATIO ..... 8
  - 2.1. TEST RESULTS ..... 8
  - 2.2. TEST PLOTS..... 8
- 3. MODULATION CHARACTERISTICS ..... 9
  - 3.1. TEST PLOTS..... 9
- 4. 99% OCCUPIED BANDWIDTH & 26DB EMISSION BANDWIDTH ..... 11
  - 4.1. TEST RESULTS ..... 11
  - 4.2. TEST PLOTS..... 12
- 5. CONDUCTED BAND EDGES ..... 23
  - 5.1. TEST PLOTS..... 23
- 6. CONDUCTED SPURIOUS EMISSION ..... 38
  - 6.1. TEST PLOTS..... 38
- 7. FREQUENCY STABILITY..... 49
  - 7.1. TEST RESULTS ..... 49

### 1. Effective Isotropic Radiated Power

#### 1.1. Test Results @ Ant1 (Antenna Gain=-3.00dBi)

SCS	Bandwidth	Channel	Modulation	Conducted Result (dBm)			Max EIRP (dBm)	Limit (dBm)	Verdict
				Inner_1RB_Left	Inner_1RB_Right	Inner_Full			
15KHz	10MHz	LCH	DFT-Pi2BPSK	22.92	23.06	23.18	20.18	33.00	Pass
15KHz	10MHz	LCH	DFT-QPSK	22.96	23.11	23.17	20.17	33.00	Pass
15KHz	10MHz	LCH	DFT-16QAM	22.05	22.09	22.33	19.33	33.00	Pass
15KHz	10MHz	LCH	DFT-64QAM	20.55	20.67	20.68	17.68	33.00	Pass
15KHz	10MHz	LCH	DFT-256QAM	18.59	18.67	18.61	15.67	33.00	Pass
15KHz	10MHz	LCH	CP-QPSK	21.62	21.64	21.73	18.73	33.00	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	22.74	22.83	22.82	19.83	33.00	Pass
15KHz	10MHz	MCH	DFT-QPSK	22.77	22.88	22.91	19.91	33.00	Pass
15KHz	10MHz	MCH	DFT-16QAM	21.71	21.77	21.81	18.81	33.00	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.20	20.32	20.33	17.33	33.00	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.35	18.35	18.33	15.35	33.00	Pass
15KHz	10MHz	MCH	CP-QPSK	21.39	21.28	21.42	18.42	33.00	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	23.32	23.38	23.44	20.44	33.00	Pass
15KHz	10MHz	HCH	DFT-QPSK	23.44	23.43	23.51	20.51	33.00	Pass
15KHz	10MHz	HCH	DFT-16QAM	22.16	22.35	22.54	19.54	33.00	Pass
15KHz	10MHz	HCH	DFT-64QAM	20.76	20.92	21.01	18.01	33.00	Pass
15KHz	10MHz	HCH	DFT-256QAM	19.13	19.13	19.10	16.13	33.00	Pass
15KHz	10MHz	HCH	CP-QPSK	21.78	21.94	21.96	18.96	33.00	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	22.92	23.17	23.12	20.17	33.00	Pass
15KHz	15MHz	LCH	DFT-QPSK	23.13	23.23	23.23	20.23	33.00	Pass
15KHz	15MHz	LCH	DFT-16QAM	22.08	22.26	22.19	19.26	33.00	Pass
15KHz	15MHz	LCH	DFT-64QAM	20.52	20.65	20.67	17.67	33.00	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.41	18.87	18.64	15.87	33.00	Pass
15KHz	15MHz	LCH	CP-QPSK	21.53	21.58	21.75	18.75	33.00	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	22.85	22.89	22.92	19.92	33.00	Pass
15KHz	15MHz	MCH	DFT-QPSK	22.80	22.84	22.92	19.92	33.00	Pass
15KHz	15MHz	MCH	DFT-16QAM	21.68	21.74	21.85	18.85	33.00	Pass
15KHz	15MHz	MCH	DFT-64QAM	20.35	20.32	20.40	17.40	33.00	Pass
15KHz	15MHz	MCH	DFT-256QAM	18.24	18.39	18.30	15.39	33.00	Pass
15KHz	15MHz	MCH	CP-QPSK	21.28	21.34	21.37	18.37	33.00	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	23.22	23.38	23.38	20.38	33.00	Pass
15KHz	15MHz	HCH	DFT-QPSK	23.21	23.47	23.44	20.47	33.00	Pass
15KHz	15MHz	HCH	DFT-16QAM	22.11	22.30	22.44	19.44	33.00	Pass
15KHz	15MHz	HCH	DFT-64QAM	20.72	20.91	21.01	18.01	33.00	Pass
15KHz	15MHz	HCH	DFT-256QAM	19.00	19.13	19.06	16.13	33.00	Pass
15KHz	15MHz	HCH	CP-QPSK	21.72	21.90	21.95	18.95	33.00	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	22.91	23.19	23.26	20.26	33.00	Pass
15KHz	20MHz	LCH	DFT-QPSK	23.11	23.41	23.28	20.41	33.00	Pass
15KHz	20MHz	LCH	DFT-16QAM	21.91	22.30	22.24	19.30	33.00	Pass
15KHz	20MHz	LCH	DFT-64QAM	20.43	20.73	20.79	17.79	33.00	Pass
15KHz	20MHz	LCH	DFT-256QAM	18.63	18.77	18.76	15.77	33.00	Pass
15KHz	20MHz	LCH	CP-QPSK	21.48	21.77	21.69	18.77	33.00	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	22.83	22.93	22.93	19.93	33.00	Pass
15KHz	20MHz	MCH	DFT-QPSK	22.92	23.00	22.92	20.00	33.00	Pass
15KHz	20MHz	MCH	DFT-16QAM	21.69	21.73	21.98	18.98	33.00	Pass
15KHz	20MHz	MCH	DFT-64QAM	20.32	20.33	20.33	17.33	33.00	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.48	18.64	18.37	15.64	33.00	Pass
15KHz	20MHz	MCH	CP-QPSK	21.38	21.34	21.40	18.40	33.00	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	23.22	23.49	23.37	20.49	33.00	Pass
15KHz	20MHz	HCH	DFT-QPSK	23.43	23.60	23.35	20.60	33.00	Pass
15KHz	20MHz	HCH	DFT-16QAM	22.29	22.37	22.41	19.41	33.00	Pass
15KHz	20MHz	HCH	DFT-64QAM	20.75	21.01	20.74	18.01	33.00	Pass
15KHz	20MHz	HCH	DFT-256QAM	18.97	19.14	19.03	16.14	33.00	Pass
15KHz	20MHz	HCH	CP-QPSK	21.75	21.98	21.97	18.98	33.00	Pass
15KHz	30MHz	LCH	DFT-Pi2BPSK	22.70	22.78	22.91	19.91	33.00	Pass
15KHz	30MHz	LCH	DFT-QPSK	22.79	22.89	23.12	20.12	33.00	Pass
15KHz	30MHz	LCH	DFT-16QAM	21.64	21.75	21.96	18.96	33.00	Pass
15KHz	30MHz	LCH	DFT-64QAM	20.17	20.34	20.53	17.53	33.00	Pass
15KHz	30MHz	LCH	DFT-256QAM	18.43	18.50	18.51	15.51	33.00	Pass

15KHz	30MHz	LCH	CP-QPSK	21.37	21.37	21.40	18.40	33.00	Pass
15KHz	30MHz	MCH	DFT-Pi2BPSK	22.53	22.53	22.57	19.57	33.00	Pass
15KHz	30MHz	MCH	DFT-QPSK	22.58	22.50	22.59	19.59	33.00	Pass
15KHz	30MHz	MCH	DFT-16QAM	21.43	21.27	21.58	18.58	33.00	Pass
15KHz	30MHz	MCH	DFT-64QAM	19.95	19.82	20.14	17.14	33.00	Pass
15KHz	30MHz	MCH	DFT-256QAM	18.02	18.23	18.31	15.31	33.00	Pass
15KHz	30MHz	MCH	CP-QPSK	21.14	21.00	21.09	18.14	33.00	Pass
15KHz	30MHz	HCH	DFT-Pi2BPSK	22.57	22.83	23.00	20.00	33.00	Pass
15KHz	30MHz	HCH	DFT-QPSK	22.68	22.92	22.95	19.95	33.00	Pass
15KHz	30MHz	HCH	DFT-16QAM	21.58	21.86	21.91	18.91	33.00	Pass
15KHz	30MHz	HCH	DFT-64QAM	20.26	20.31	20.41	17.41	33.00	Pass
15KHz	30MHz	HCH	DFT-256QAM	18.38	18.62	18.60	15.62	33.00	Pass
15KHz	30MHz	HCH	CP-QPSK	21.10	21.40	21.38	18.40	33.00	Pass
15KHz	40MHz	LCH	DFT-Pi2BPSK	22.70	22.99	22.96	19.99	33.00	Pass
15KHz	40MHz	LCH	DFT-QPSK	22.87	22.97	22.93	19.97	33.00	Pass
15KHz	40MHz	LCH	DFT-16QAM	21.62	21.87	22.06	19.06	33.00	Pass
15KHz	40MHz	LCH	DFT-64QAM	20.33	20.55	20.56	17.56	33.00	Pass
15KHz	40MHz	LCH	DFT-256QAM	18.27	18.61	18.53	15.61	33.00	Pass
15KHz	40MHz	LCH	CP-QPSK	21.24	21.33	21.48	18.48	33.00	Pass
15KHz	40MHz	MCH	DFT-Pi2BPSK	22.69	22.50	22.58	19.69	33.00	Pass
15KHz	40MHz	MCH	DFT-QPSK	22.66	22.53	22.63	19.66	33.00	Pass
15KHz	40MHz	MCH	DFT-16QAM	21.41	21.38	21.70	18.70	33.00	Pass
15KHz	40MHz	MCH	DFT-64QAM	19.97	19.88	20.24	17.24	33.00	Pass
15KHz	40MHz	MCH	DFT-256QAM	18.12	18.15	18.30	15.30	33.00	Pass
15KHz	40MHz	MCH	CP-QPSK	21.06	20.96	21.15	18.15	33.00	Pass
15KHz	40MHz	HCH	DFT-Pi2BPSK	22.72	22.96	22.95	19.96	33.00	Pass
15KHz	40MHz	HCH	DFT-QPSK	22.81	22.97	22.81	19.97	33.00	Pass
15KHz	40MHz	HCH	DFT-16QAM	21.69	21.77	21.91	18.91	33.00	Pass
15KHz	40MHz	HCH	DFT-64QAM	20.25	20.35	20.42	17.42	33.00	Pass
15KHz	40MHz	HCH	DFT-256QAM	18.45	18.71	18.39	15.71	33.00	Pass
15KHz	40MHz	HCH	CP-QPSK	21.21	21.41	21.37	18.41	33.00	Pass
30KHz	10MHz	LCH	DFT-Pi2BPSK	23.22	23.01	23.17	20.22	33.00	Pass
30KHz	10MHz	LCH	DFT-QPSK	23.04	23.19	23.26	20.26	33.00	Pass
30KHz	10MHz	LCH	DFT-16QAM	21.83	21.94	22.21	19.21	33.00	Pass
30KHz	10MHz	LCH	DFT-64QAM	20.41	20.52	20.70	17.70	33.00	Pass
30KHz	10MHz	LCH	DFT-256QAM	18.76	18.93	18.70	15.93	33.00	Pass
30KHz	10MHz	LCH	CP-QPSK	21.39	21.64	21.63	18.64	33.00	Pass
30KHz	10MHz	MCH	DFT-Pi2BPSK	22.84	22.86	22.88	19.88	33.00	Pass
30KHz	10MHz	MCH	DFT-QPSK	22.79	22.81	22.95	19.95	33.00	Pass
30KHz	10MHz	MCH	DFT-16QAM	21.62	21.63	21.93	18.93	33.00	Pass
30KHz	10MHz	MCH	DFT-64QAM	20.14	20.12	20.39	17.39	33.00	Pass
30KHz	10MHz	MCH	DFT-256QAM	18.60	18.70	18.31	15.70	33.00	Pass
30KHz	10MHz	MCH	CP-QPSK	21.36	21.43	21.41	18.43	33.00	Pass
30KHz	10MHz	HCH	DFT-Pi2BPSK	23.33	23.40	23.51	20.51	33.00	Pass
30KHz	10MHz	HCH	DFT-QPSK	23.49	23.45	23.51	20.51	33.00	Pass
30KHz	10MHz	HCH	DFT-16QAM	22.18	22.23	22.61	19.61	33.00	Pass
30KHz	10MHz	HCH	DFT-64QAM	20.72	20.76	20.91	17.91	33.00	Pass
30KHz	10MHz	HCH	DFT-256QAM	19.27	19.27	19.06	16.27	33.00	Pass
30KHz	10MHz	HCH	CP-QPSK	21.71	21.81	22.00	19.00	33.00	Pass
30KHz	15MHz	LCH	DFT-Pi2BPSK	22.85	23.09	23.18	20.18	33.00	Pass
30KHz	15MHz	LCH	DFT-QPSK	23.15	23.49	23.24	20.49	33.00	Pass
30KHz	15MHz	LCH	DFT-16QAM	21.83	21.95	22.24	19.24	33.00	Pass
30KHz	15MHz	LCH	DFT-64QAM	20.36	20.54	20.78	17.78	33.00	Pass
30KHz	15MHz	LCH	DFT-256QAM	18.85	19.03	18.71	16.03	33.00	Pass
30KHz	15MHz	LCH	CP-QPSK	21.26	21.67	21.76	18.76	33.00	Pass
30KHz	15MHz	MCH	DFT-Pi2BPSK	22.86	22.83	22.89	19.89	33.00	Pass
30KHz	15MHz	MCH	DFT-QPSK	22.93	22.95	22.95	19.95	33.00	Pass
30KHz	15MHz	MCH	DFT-16QAM	21.65	21.73	22.01	19.01	33.00	Pass
30KHz	15MHz	MCH	DFT-64QAM	20.11	20.27	20.45	17.45	33.00	Pass
30KHz	15MHz	MCH	DFT-256QAM	18.55	18.76	18.44	15.76	33.00	Pass
30KHz	15MHz	MCH	CP-QPSK	21.40	21.41	21.40	18.41	33.00	Pass
30KHz	15MHz	HCH	DFT-Pi2BPSK	23.28	23.39	23.42	20.42	33.00	Pass
30KHz	15MHz	HCH	DFT-QPSK	23.51	23.32	23.46	20.51	33.00	Pass
30KHz	15MHz	HCH	DFT-16QAM	22.12	22.26	22.47	19.47	33.00	Pass

30KHz	15MHz	HCH	DFT-64QAM	20.66	20.75	21.00	18.00	33.00	Pass
30KHz	15MHz	HCH	DFT-256QAM	19.14	19.28	19.02	16.28	33.00	Pass
30KHz	15MHz	HCH	CP-QPSK	21.64	21.87	21.99	18.99	33.00	Pass
30KHz	20MHZ	LCH	DFT-Pi2BPSK	22.93	23.21	23.29	20.29	33.00	Pass
30KHz	20MHZ	LCH	DFT-QPSK	23.21	23.52	23.34	20.52	33.00	Pass
30KHz	20MHZ	LCH	DFT-16QAM	21.84	22.09	22.25	19.25	33.00	Pass
30KHz	20MHZ	LCH	DFT-64QAM	20.34	20.66	20.80	17.80	33.00	Pass
30KHz	20MHZ	LCH	DFT-256QAM	18.55	18.77	18.82	15.82	33.00	Pass
30KHz	20MHZ	LCH	CP-QPSK	21.35	21.76	21.94	18.94	33.00	Pass
30KHz	20MHZ	MCH	DFT-Pi2BPSK	22.88	22.91	22.95	19.95	33.00	Pass
30KHz	20MHZ	MCH	DFT-QPSK	22.85	23.09	22.91	20.09	33.00	Pass
30KHz	20MHZ	MCH	DFT-16QAM	21.94	22.01	21.95	19.01	33.00	Pass
30KHz	20MHZ	MCH	DFT-64QAM	20.40	20.37	20.44	17.44	33.00	Pass
30KHz	20MHZ	MCH	DFT-256QAM	18.32	18.47	18.43	15.47	33.00	Pass
30KHz	20MHZ	MCH	CP-QPSK	21.42	21.42	21.45	18.45	33.00	Pass
30KHz	20MHZ	HCH	DFT-Pi2BPSK	23.30	23.47	23.48	20.48	33.00	Pass
30KHz	20MHZ	HCH	DFT-QPSK	23.43	23.56	23.49	20.56	33.00	Pass
30KHz	20MHZ	HCH	DFT-16QAM	22.22	22.30	22.50	19.50	33.00	Pass
30KHz	20MHZ	HCH	DFT-64QAM	20.67	20.79	20.99	17.99	33.00	Pass
30KHz	20MHZ	HCH	DFT-256QAM	19.27	19.30	19.06	16.30	33.00	Pass
30KHz	20MHZ	HCH	CP-QPSK	21.76	21.81	22.02	19.02	33.00	Pass
30KHz	30MHz	LCH	DFT-Pi2BPSK	22.75	22.85	22.92	19.92	33.00	Pass
30KHz	30MHz	LCH	DFT-QPSK	22.97	23.16	23.05	20.16	33.00	Pass
30KHz	30MHz	LCH	DFT-16QAM	21.56	21.71	22.01	19.01	33.00	Pass
30KHz	30MHz	LCH	DFT-64QAM	20.21	20.22	20.51	17.51	33.00	Pass
30KHz	30MHz	LCH	DFT-256QAM	18.48	18.79	18.46	15.79	33.00	Pass
30KHz	30MHz	LCH	CP-QPSK	21.18	21.43	21.47	18.47	33.00	Pass
30KHz	30MHz	MCH	DFT-Pi2BPSK	22.66	22.63	22.73	19.73	33.00	Pass
30KHz	30MHz	MCH	DFT-QPSK	22.64	22.50	22.79	19.79	33.00	Pass
30KHz	30MHz	MCH	DFT-16QAM	21.45	21.40	21.71	18.71	33.00	Pass
30KHz	30MHz	MCH	DFT-64QAM	19.87	19.83	20.29	17.29	33.00	Pass
30KHz	30MHz	MCH	DFT-256QAM	18.34	18.29	18.30	15.34	33.00	Pass
30KHz	30MHz	MCH	CP-QPSK	21.15	21.06	21.19	18.19	33.00	Pass
30KHz	30MHz	HCH	DFT-Pi2BPSK	22.53	22.92	22.97	19.97	33.00	Pass
30KHz	30MHz	HCH	DFT-QPSK	22.60	22.92	22.99	19.99	33.00	Pass
30KHz	30MHz	HCH	DFT-16QAM	21.34	21.74	22.08	19.08	33.00	Pass
30KHz	30MHz	HCH	DFT-64QAM	19.93	20.28	20.54	17.54	33.00	Pass
30KHz	30MHz	HCH	DFT-256QAM	18.43	18.85	18.54	15.85	33.00	Pass
30KHz	30MHz	HCH	CP-QPSK	21.03	21.35	21.51	18.51	33.00	Pass
30KHz	40MHz	LCH	DFT-Pi2BPSK	22.74	22.95	22.96	19.96	33.00	Pass
30KHz	40MHz	LCH	DFT-QPSK	22.98	23.05	23.02	20.05	33.00	Pass
30KHz	40MHz	LCH	DFT-16QAM	21.64	21.80	22.03	19.03	33.00	Pass
30KHz	40MHz	LCH	DFT-64QAM	20.17	20.29	20.50	17.50	33.00	Pass
30KHz	40MHz	LCH	DFT-256QAM	18.61	18.70	18.47	15.70	33.00	Pass
30KHz	40MHz	LCH	CP-QPSK	21.30	21.50	21.46	18.50	33.00	Pass
30KHz	40MHz	MCH	DFT-Pi2BPSK	22.67	22.51	22.65	19.67	33.00	Pass
30KHz	40MHz	MCH	DFT-QPSK	22.73	22.55	22.62	19.73	33.00	Pass
30KHz	40MHz	MCH	DFT-16QAM	21.51	21.32	21.71	18.71	33.00	Pass
30KHz	40MHz	MCH	DFT-64QAM	20.07	19.83	20.16	17.16	33.00	Pass
30KHz	40MHz	MCH	DFT-256QAM	18.48	18.47	18.26	15.48	33.00	Pass
30KHz	40MHz	MCH	CP-QPSK	21.22	21.06	21.13	18.22	33.00	Pass
30KHz	40MHz	HCH	DFT-Pi2BPSK	22.76	22.97	22.87	19.97	33.00	Pass
30KHz	40MHz	HCH	DFT-QPSK	22.67	23.23	22.87	20.23	33.00	Pass
30KHz	40MHz	HCH	DFT-16QAM	21.59	21.74	21.95	18.95	33.00	Pass
30KHz	40MHz	HCH	DFT-64QAM	20.18	20.29	20.47	17.47	33.00	Pass
30KHz	40MHz	HCH	DFT-256QAM	18.72	18.77	18.47	15.77	33.00	Pass
30KHz	40MHz	HCH	CP-QPSK	21.17	21.46	21.42	18.46	33.00	Pass
30KHz	50MHz	LCH	DFT-Pi2BPSK	22.72	22.98	23.03	20.03	33.00	Pass
30KHz	50MHz	LCH	DFT-QPSK	22.85	23.06	23.07	20.07	33.00	Pass
30KHz	50MHz	LCH	DFT-16QAM	21.62	21.89	22.14	19.14	33.00	Pass
30KHz	50MHz	LCH	DFT-64QAM	20.15	20.32	20.60	17.60	33.00	Pass
30KHz	50MHz	LCH	DFT-256QAM	18.73	18.73	18.52	15.73	33.00	Pass
30KHz	50MHz	LCH	CP-QPSK	21.19	21.55	21.57	18.57	33.00	Pass
30KHz	50MHz	MCH	DFT-Pi2BPSK	22.77	22.57	22.69	19.77	33.00	Pass

30KHz	50MHz	MCH	DFT-QPSK	22.68	22.57	22.68	19.68	33.00	Pass
30KHz	50MHz	MCH	DFT-16QAM	21.56	21.38	21.73	18.73	33.00	Pass
30KHz	50MHz	MCH	DFT-64QAM	20.07	19.93	20.19	17.19	33.00	Pass
30KHz	50MHz	MCH	DFT-256QAM	18.52	18.38	18.25	15.52	33.00	Pass
30KHz	50MHz	MCH	CP-QPSK	21.29	21.08	21.17	18.29	33.00	Pass
30KHz	50MHz	HCH	DFT-Pi2BPSK	22.60	22.98	22.90	19.98	33.00	Pass
30KHz	50MHz	HCH	DFT-QPSK	22.54	22.88	22.91	19.91	33.00	Pass
30KHz	50MHz	HCH	DFT-16QAM	21.40	21.76	21.95	18.95	33.00	Pass
30KHz	50MHz	HCH	DFT-64QAM	19.92	20.30	20.38	17.38	33.00	Pass
30KHz	50MHz	HCH	DFT-256QAM	18.41	18.74	18.43	15.74	33.00	Pass
30KHz	50MHz	HCH	CP-QPSK	21.09	21.38	21.38	18.38	33.00	Pass
30KHz	60MHz	LCH	DFT-Pi2BPSK	22.65	22.92	23.07	20.07	33.00	Pass
30KHz	60MHz	LCH	DFT-QPSK	22.81	22.83	23.09	20.09	33.00	Pass
30KHz	60MHz	LCH	DFT-16QAM	21.80	22.00	22.03	19.03	33.00	Pass
30KHz	60MHz	LCH	DFT-64QAM	20.17	20.35	20.56	17.56	33.00	Pass
30KHz	60MHz	LCH	DFT-256QAM	18.23	18.30	18.43	15.43	33.00	Pass
30KHz	60MHz	LCH	CP-QPSK	21.16	21.37	21.59	18.59	33.00	Pass
30KHz	60MHz	MCH	DFT-Pi2BPSK	22.73	22.51	22.67	19.73	33.00	Pass
30KHz	60MHz	MCH	DFT-QPSK	22.80	22.42	22.70	19.80	33.00	Pass
30KHz	60MHz	MCH	DFT-16QAM	21.66	21.49	21.68	18.68	33.00	Pass
30KHz	60MHz	MCH	DFT-64QAM	20.22	19.93	20.17	17.22	33.00	Pass
30KHz	60MHz	MCH	DFT-256QAM	18.19	18.00	18.23	15.23	33.00	Pass
30KHz	60MHz	MCH	CP-QPSK	21.17	21.02	21.19	18.19	33.00	Pass
30KHz	60MHz	HCH	DFT-Pi2BPSK	22.30	22.95	22.83	19.95	33.00	Pass
30KHz	60MHz	HCH	DFT-QPSK	22.41	23.00	22.87	20.00	33.00	Pass
30KHz	60MHz	HCH	DFT-16QAM	21.23	21.70	21.88	18.88	33.00	Pass
30KHz	60MHz	HCH	DFT-64QAM	19.71	20.24	20.43	17.43	33.00	Pass
30KHz	60MHz	HCH	DFT-256QAM	18.20	18.89	18.48	15.89	33.00	Pass
30KHz	60MHz	HCH	CP-QPSK	20.89	21.32	21.49	18.49	33.00	Pass
30KHz	70MHz	LCH	DFT-Pi2BPSK	22.79	23.17	23.21	20.21	33.00	Pass
30KHz	70MHz	LCH	DFT-QPSK	22.93	23.37	23.12	20.37	33.00	Pass
30KHz	70MHz	LCH	DFT-16QAM	21.67	21.97	22.22	19.22	33.00	Pass
30KHz	70MHz	LCH	DFT-64QAM	20.25	20.52	20.67	17.67	33.00	Pass
30KHz	70MHz	LCH	DFT-256QAM	18.79	18.93	18.81	15.93	33.00	Pass
30KHz	70MHz	LCH	CP-QPSK	21.23	21.63	21.66	18.66	33.00	Pass
30KHz	70MHz	MCH	DFT-Pi2BPSK	22.72	22.70	22.85	19.85	33.00	Pass
30KHz	70MHz	MCH	DFT-QPSK	22.63	22.64	22.73	19.73	33.00	Pass
30KHz	70MHz	MCH	DFT-16QAM	21.50	21.47	21.80	18.80	33.00	Pass
30KHz	70MHz	MCH	DFT-64QAM	20.07	20.05	20.36	17.36	33.00	Pass
30KHz	70MHz	MCH	DFT-256QAM	18.55	18.62	18.39	15.62	33.00	Pass
30KHz	70MHz	MCH	CP-QPSK	21.17	21.20	21.28	18.28	33.00	Pass
30KHz	70MHz	HCH	DFT-Pi2BPSK	22.47	23.14	23.02	20.14	33.00	Pass
30KHz	70MHz	HCH	DFT-QPSK	22.46	23.46	23.14	20.46	33.00	Pass
30KHz	70MHz	HCH	DFT-16QAM	21.39	22.01	22.14	19.14	33.00	Pass
30KHz	70MHz	HCH	DFT-64QAM	19.98	20.63	20.54	17.63	33.00	Pass
30KHz	70MHz	HCH	DFT-256QAM	18.42	19.02	18.59	16.02	33.00	Pass
30KHz	70MHz	HCH	CP-QPSK	21.01	21.67	21.46	18.67	33.00	Pass
30KHz	80MHz	LCH	DFT-Pi2BPSK	22.81	23.00	23.15	20.15	33.00	Pass
30KHz	80MHz	LCH	DFT-QPSK	22.93	23.23	23.29	20.29	33.00	Pass
30KHz	80MHz	LCH	DFT-16QAM	21.74	21.95	22.26	19.26	33.00	Pass
30KHz	80MHz	LCH	DFT-64QAM	20.11	20.35	20.72	17.72	33.00	Pass
30KHz	80MHz	LCH	DFT-256QAM	18.65	18.82	18.75	15.82	33.00	Pass
30KHz	80MHz	LCH	CP-QPSK	21.31	21.53	21.59	18.59	33.00	Pass
30KHz	80MHz	MCH	DFT-Pi2BPSK	22.58	22.64	22.78	19.78	33.00	Pass
30KHz	80MHz	MCH	DFT-QPSK	22.76	22.72	22.82	19.82	33.00	Pass
30KHz	80MHz	MCH	DFT-16QAM	21.42	21.44	21.81	18.81	33.00	Pass
30KHz	80MHz	MCH	DFT-64QAM	20.10	20.09	20.43	17.43	33.00	Pass
30KHz	80MHz	MCH	DFT-256QAM	18.43	18.48	18.25	15.48	33.00	Pass
30KHz	80MHz	MCH	CP-QPSK	21.13	21.19	21.22	18.22	33.00	Pass
30KHz	80MHz	HCH	DFT-Pi2BPSK	22.52	23.09	22.96	20.09	33.00	Pass
30KHz	80MHz	HCH	DFT-QPSK	22.71	23.20	22.94	20.20	33.00	Pass
30KHz	80MHz	HCH	DFT-16QAM	21.29	21.95	22.05	19.05	33.00	Pass
30KHz	80MHz	HCH	DFT-64QAM	19.91	20.72	20.52	17.72	33.00	Pass
30KHz	80MHz	HCH	DFT-256QAM	18.33	19.01	18.51	16.01	33.00	Pass



30KHz	80MHz	HCH	CP-QPSK	21.06	21.60	21.51	18.60	33.00	Pass
30KHz	90MHz	LCH	DFT-Pi2BPSK	22.76	23.04	23.17	20.17	33.00	Pass
30KHz	90MHz	LCH	DFT-QPSK	22.79	22.93	23.15	20.15	33.00	Pass
30KHz	90MHz	LCH	DFT-16QAM	21.73	21.86	22.15	19.15	33.00	Pass
30KHz	90MHz	LCH	DFT-64QAM	20.11	20.44	20.62	17.62	33.00	Pass
30KHz	90MHz	LCH	DFT-256QAM	18.61	18.94	18.67	15.94	33.00	Pass
30KHz	90MHz	LCH	CP-QPSK	21.40	21.50	21.64	18.64	33.00	Pass
30KHz	90MHz	MCH	DFT-Pi2BPSK	22.56	22.82	22.78	19.82	33.00	Pass
30KHz	90MHz	MCH	DFT-QPSK	22.75	22.86	22.79	19.86	33.00	Pass
30KHz	90MHz	MCH	DFT-16QAM	21.32	21.47	21.82	18.82	33.00	Pass
30KHz	90MHz	MCH	DFT-64QAM	20.02	20.03	20.20	17.20	33.00	Pass
30KHz	90MHz	MCH	DFT-256QAM	18.34	18.69	18.32	15.69	33.00	Pass
30KHz	90MHz	MCH	CP-QPSK	21.09	21.25	21.26	18.26	33.00	Pass
30KHz	90MHz	HCH	DFT-Pi2BPSK	22.56	23.18	22.86	20.18	33.00	Pass
30KHz	90MHz	HCH	DFT-QPSK	22.73	23.30	22.94	20.30	33.00	Pass
30KHz	90MHz	HCH	DFT-16QAM	21.48	21.85	21.86	18.86	33.00	Pass
30KHz	90MHz	HCH	DFT-64QAM	19.93	20.51	20.41	17.51	33.00	Pass
30KHz	90MHz	HCH	DFT-256QAM	18.44	18.89	18.42	15.89	33.00	Pass
30KHz	90MHz	HCH	CP-QPSK	21.00	21.61	21.33	18.61	33.00	Pass
30KHz	100MHz	LCH	DFT-Pi2BPSK	22.64	22.95	23.12	20.12	33.00	Pass
30KHz	100MHz	LCH	DFT-QPSK	22.73	23.10	23.12	20.12	33.00	Pass
30KHz	100MHz	LCH	DFT-16QAM	21.60	21.83	22.12	19.12	33.00	Pass
30KHz	100MHz	LCH	DFT-64QAM	20.09	20.36	20.72	17.72	33.00	Pass
30KHz	100MHz	LCH	DFT-256QAM	18.64	18.77	18.66	15.77	33.00	Pass
30KHz	100MHz	LCH	CP-QPSK	21.24	21.59	21.56	18.59	33.00	Pass
30KHz	100MHz	MCH	DFT-Pi2BPSK	22.53	22.83	22.86	19.86	33.00	Pass
30KHz	100MHz	MCH	DFT-QPSK	22.82	22.71	22.84	19.84	33.00	Pass
30KHz	100MHz	MCH	DFT-16QAM	21.42	21.57	21.78	18.78	33.00	Pass
30KHz	100MHz	MCH	DFT-64QAM	20.00	20.20	20.43	17.43	33.00	Pass
30KHz	100MHz	MCH	DFT-256QAM	18.39	18.73	18.30	15.73	33.00	Pass
30KHz	100MHz	MCH	CP-QPSK	21.12	21.33	21.29	18.33	33.00	Pass
30KHz	100MHz	HCH	DFT-Pi2BPSK	22.62	23.00	22.82	20.00	33.00	Pass
30KHz	100MHz	HCH	DFT-QPSK	22.60	23.42	22.82	20.42	33.00	Pass
30KHz	100MHz	HCH	DFT-16QAM	21.36	21.84	21.78	18.84	33.00	Pass
30KHz	100MHz	HCH	DFT-64QAM	19.95	20.52	20.41	17.52	33.00	Pass
30KHz	100MHz	HCH	DFT-256QAM	18.35	18.98	18.39	15.98	33.00	Pass
30KHz	100MHz	HCH	CP-QPSK	21.18	21.78	21.27	18.78	33.00	Pass

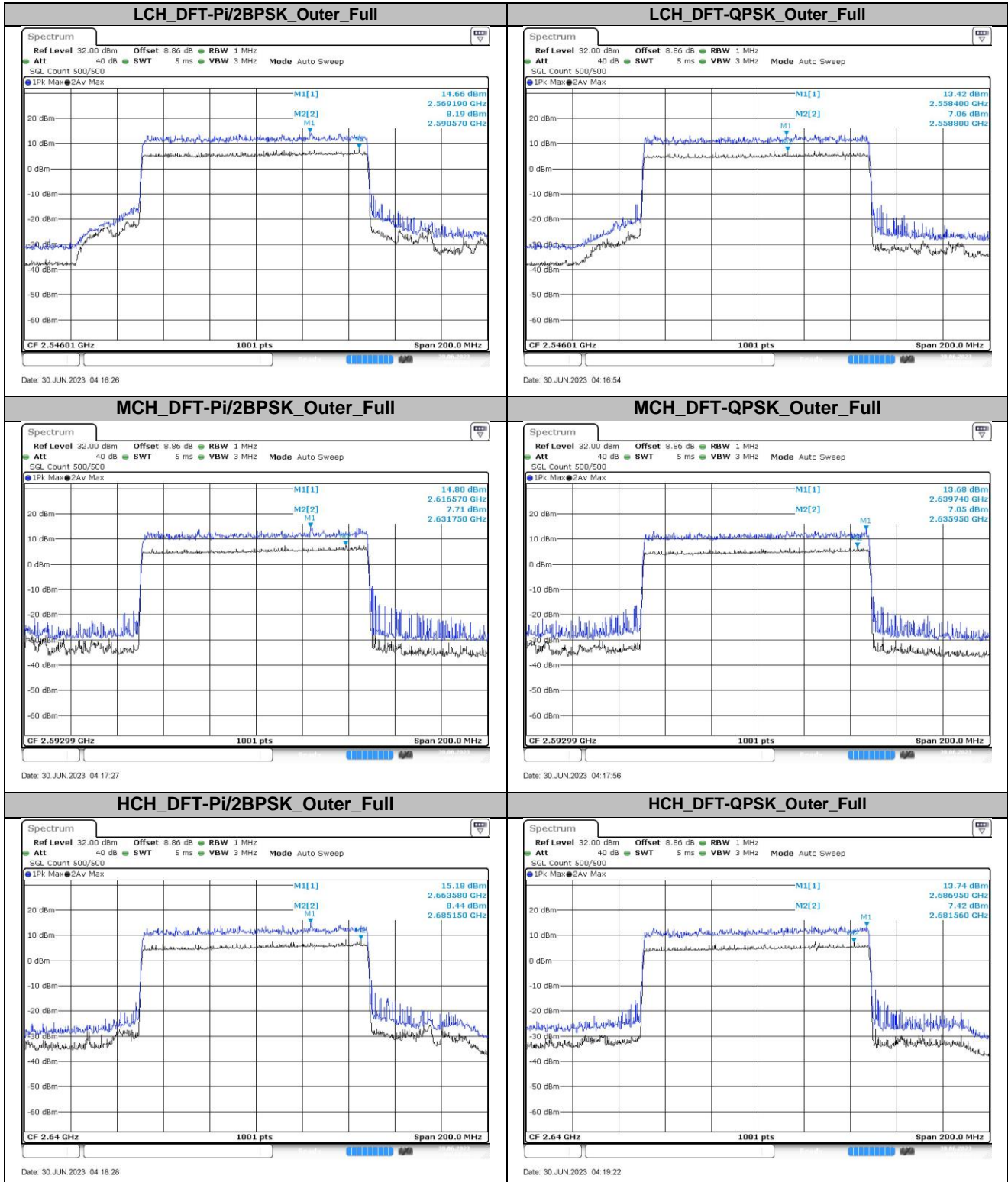
## 2. Peak-to-Average Ratio

### 2.1. Test Results

SCS	Bandwidth	Channel	RB Config	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
30KHz	100MHz	LCH	Outer_Full	6.48	6.36	13.00	Pass
30KHz	100MHz	MCH	Outer_Full	7.09	6.64	13.00	Pass
30KHz	100MHz	HCH	Outer_Full	6.74	6.32	13.00	Pass

### 2.2. Test Plots

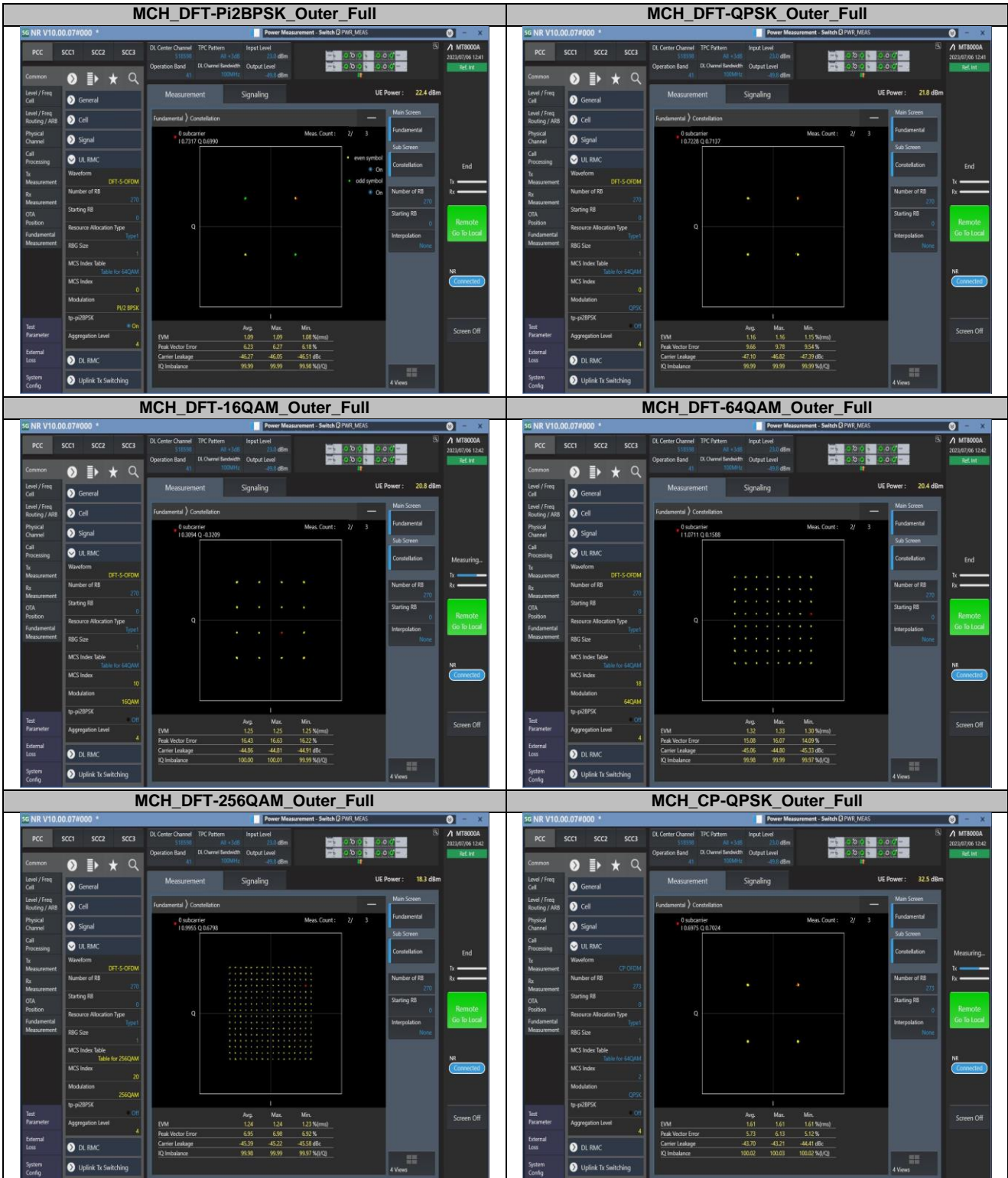
#### 2.2.1. Bandwidth:100MHz

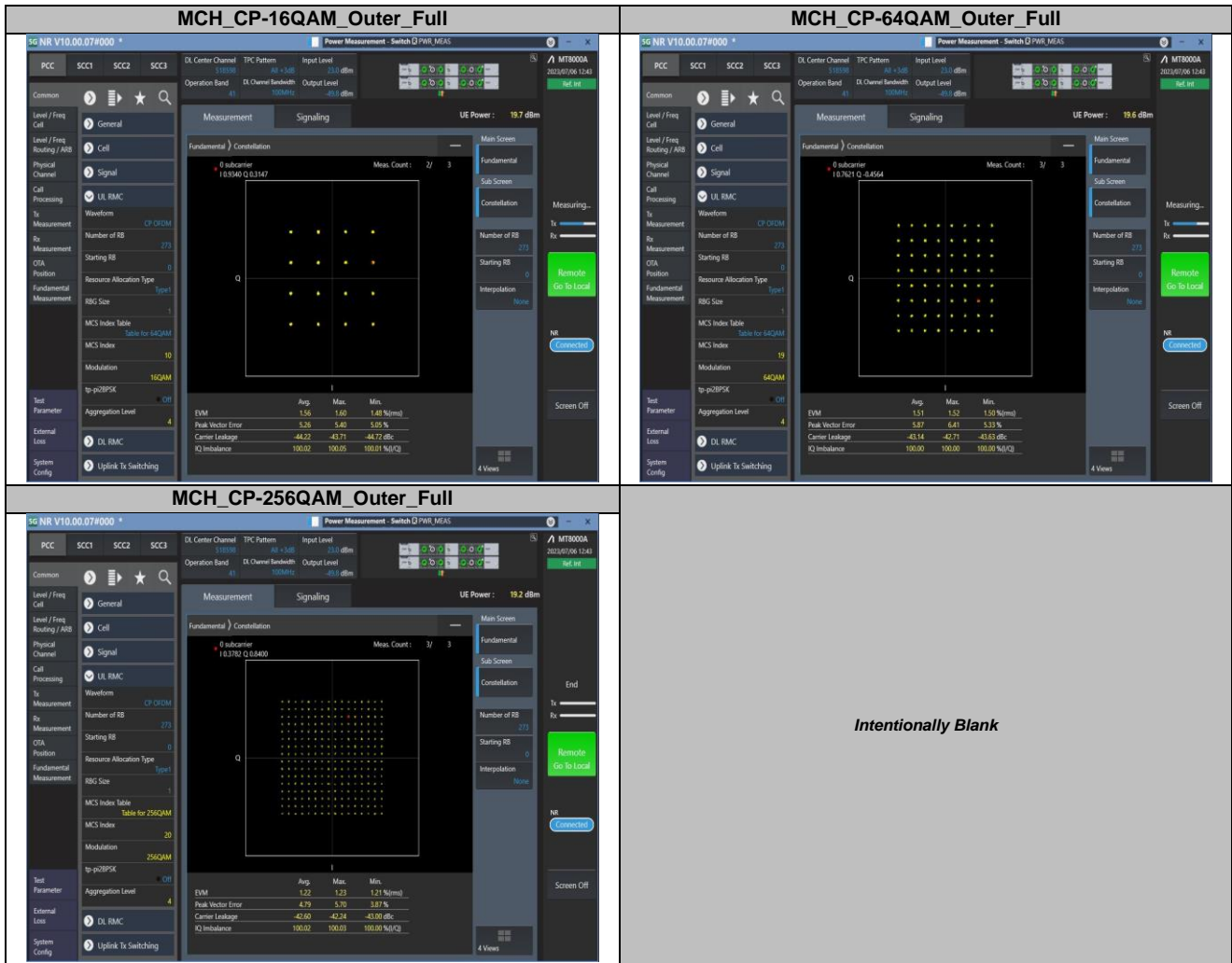


### 3. Modulation Characteristics

#### 3.1. Test Plots

##### 3.1.1. Bandwidth:100MHz





### 4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

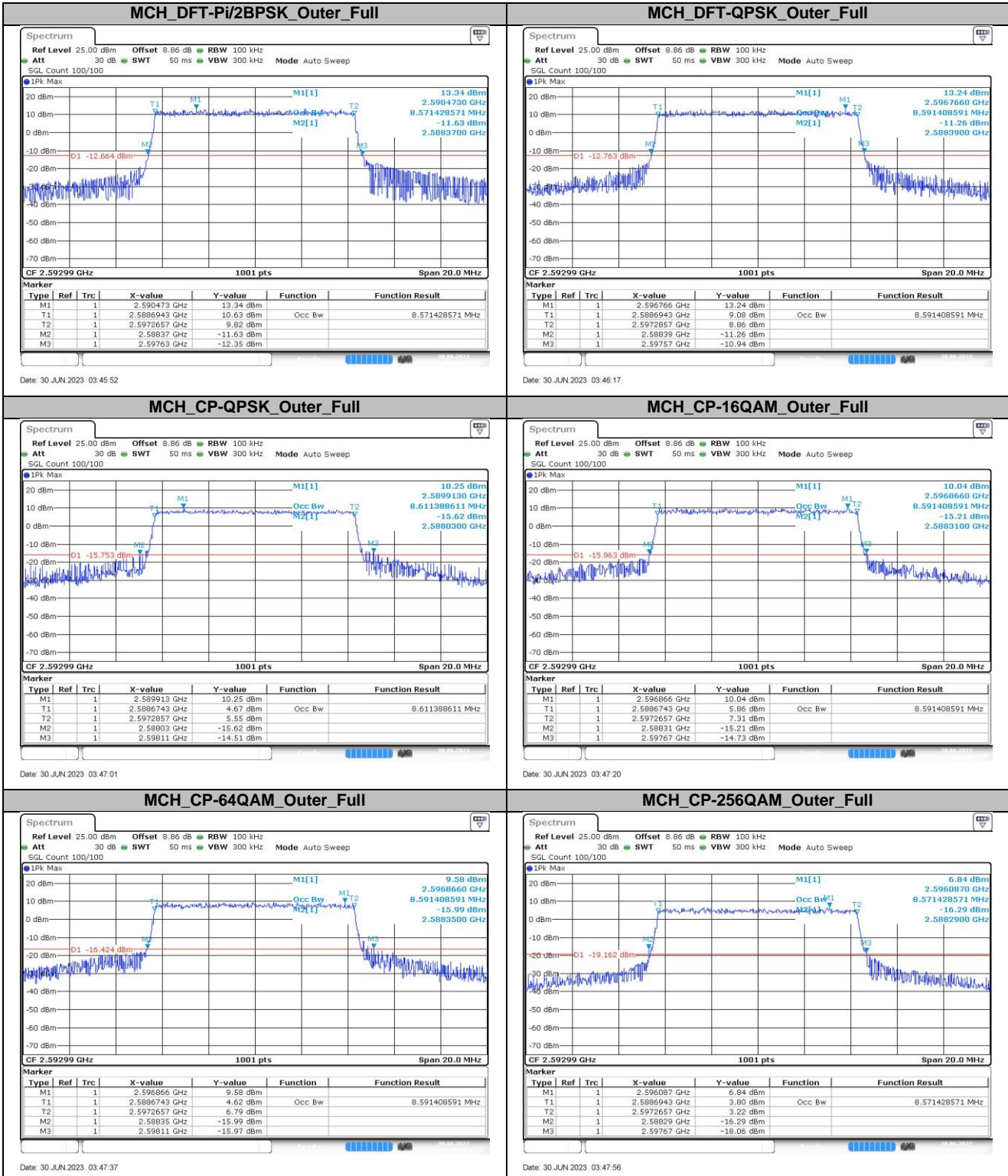
#### 4.1. Test Results

SCS	Bandwidth	Modulation	RB Config	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
30KHz	10MHz	DFT-Pi/2BPSK	Outer_Full	8.57	9.26	Pass
30KHz	10MHz	DFT-QPSK	Outer_Full	8.59	9.18	Pass
30KHz	10MHz	CP-QPSK	Outer_Full	8.61	10.08	Pass
30KHz	10MHz	CP-16QAM	Outer_Full	8.59	9.36	Pass
30KHz	10MHz	CP-64QAM	Outer_Full	8.59	9.76	Pass
30KHz	10MHz	CP-256QAM	Outer_Full	8.57	9.38	Pass
30KHz	15MHz	DFT-Pi/2BPSK	Outer_Full	12.92	13.86	Pass
30KHz	15MHz	DFT-QPSK	Outer_Full	12.86	13.71	Pass
30KHz	15MHz	CP-QPSK	Outer_Full	13.58	14.52	Pass
30KHz	15MHz	CP-16QAM	Outer_Full	13.64	14.58	Pass
30KHz	15MHz	CP-64QAM	Outer_Full	13.58	14.46	Pass
30KHz	15MHz	CP-256QAM	Outer_Full	13.58	14.55	Pass
30KHz	20MHz	DFT-Pi/2BPSK	Outer_Full	17.86	18.88	Pass
30KHz	20MHz	DFT-QPSK	Outer_Full	17.90	18.92	Pass
30KHz	20MHz	CP-QPSK	Outer_Full	18.18	19.60	Pass
30KHz	20MHz	CP-16QAM	Outer_Full	18.22	19.88	Pass
30KHz	20MHz	CP-64QAM	Outer_Full	18.18	19.80	Pass
30KHz	20MHz	CP-256QAM	Outer_Full	18.22	19.84	Pass
30KHz	30MHz	DFT-Pi/2BPSK	Outer_Full	26.79	28.68	Pass
30KHz	30MHz	DFT-QPSK	Outer_Full	26.79	28.20	Pass
30KHz	30MHz	CP-QPSK	Outer_Full	27.81	30.84	Pass
30KHz	30MHz	CP-16QAM	Outer_Full	27.87	29.52	Pass
30KHz	30MHz	CP-64QAM	Outer_Full	27.87	31.98	Pass
30KHz	30MHz	CP-256QAM	Outer_Full	27.87	29.94	Pass
30KHz	40MHz	DFT-Pi/2BPSK	Outer_Full	35.80	39.52	Pass
30KHz	40MHz	DFT-QPSK	Outer_Full	35.64	38.00	Pass
30KHz	40MHz	CP-QPSK	Outer_Full	37.80	40.48	Pass
30KHz	40MHz	CP-16QAM	Outer_Full	37.80	40.24	Pass
30KHz	40MHz	CP-64QAM	Outer_Full	37.80	40.72	Pass
30KHz	40MHz	CP-256QAM	Outer_Full	37.72	40.00	Pass
30KHz	50MHz	DFT-Pi/2BPSK	Outer_Full	45.65	47.70	Pass
30KHz	50MHz	DFT-QPSK	Outer_Full	45.65	47.40	Pass
30KHz	50MHz	CP-QPSK	Outer_Full	47.35	49.50	Pass
30KHz	50MHz	CP-16QAM	Outer_Full	47.45	49.30	Pass
30KHz	50MHz	CP-64QAM	Outer_Full	47.45	49.50	Pass
30KHz	50MHz	CP-256QAM	Outer_Full	47.45	49.30	Pass
30KHz	60MHz	DFT-Pi/2BPSK	Outer_Full	57.66	59.76	Pass
30KHz	60MHz	DFT-QPSK	Outer_Full	57.66	59.88	Pass
30KHz	60MHz	CP-QPSK	Outer_Full	57.78	60.00	Pass
30KHz	60MHz	CP-16QAM	Outer_Full	57.78	59.76	Pass
30KHz	60MHz	CP-64QAM	Outer_Full	57.66	60.00	Pass
30KHz	60MHz	CP-256QAM	Outer_Full	57.78	59.64	Pass
30KHz	70MHz	DFT-Pi/2BPSK	Outer_Full	64.20	66.22	Pass
30KHz	70MHz	DFT-QPSK	Outer_Full	64.20	67.34	Pass
30KHz	70MHz	CP-QPSK	Outer_Full	67.41	70.28	Pass
30KHz	70MHz	CP-16QAM	Outer_Full	67.41	69.86	Pass
30KHz	70MHz	CP-64QAM	Outer_Full	67.41	70.00	Pass
30KHz	70MHz	CP-256QAM	Outer_Full	67.41	69.72	Pass
30KHz	80MHz	DFT-Pi/2BPSK	Outer_Full	77.20	80.80	Pass
30KHz	80MHz	DFT-QPSK	Outer_Full	77.04	82.40	Pass
30KHz	80MHz	CP-QPSK	Outer_Full	77.52	81.92	Pass
30KHz	80MHz	CP-16QAM	Outer_Full	77.52	81.28	Pass
30KHz	80MHz	CP-64QAM	Outer_Full	77.52	80.64	Pass
30KHz	80MHz	CP-256QAM	Outer_Full	77.52	80.96	Pass
30KHz	90MHz	DFT-Pi/2BPSK	Outer_Full	86.67	90.00	Pass
30KHz	90MHz	DFT-QPSK	Outer_Full	86.85	89.64	Pass
30KHz	90MHz	CP-QPSK	Outer_Full	87.39	90.54	Pass
30KHz	90MHz	CP-16QAM	Outer_Full	87.57	90.54	Pass
30KHz	90MHz	CP-64QAM	Outer_Full	87.39	91.26	Pass

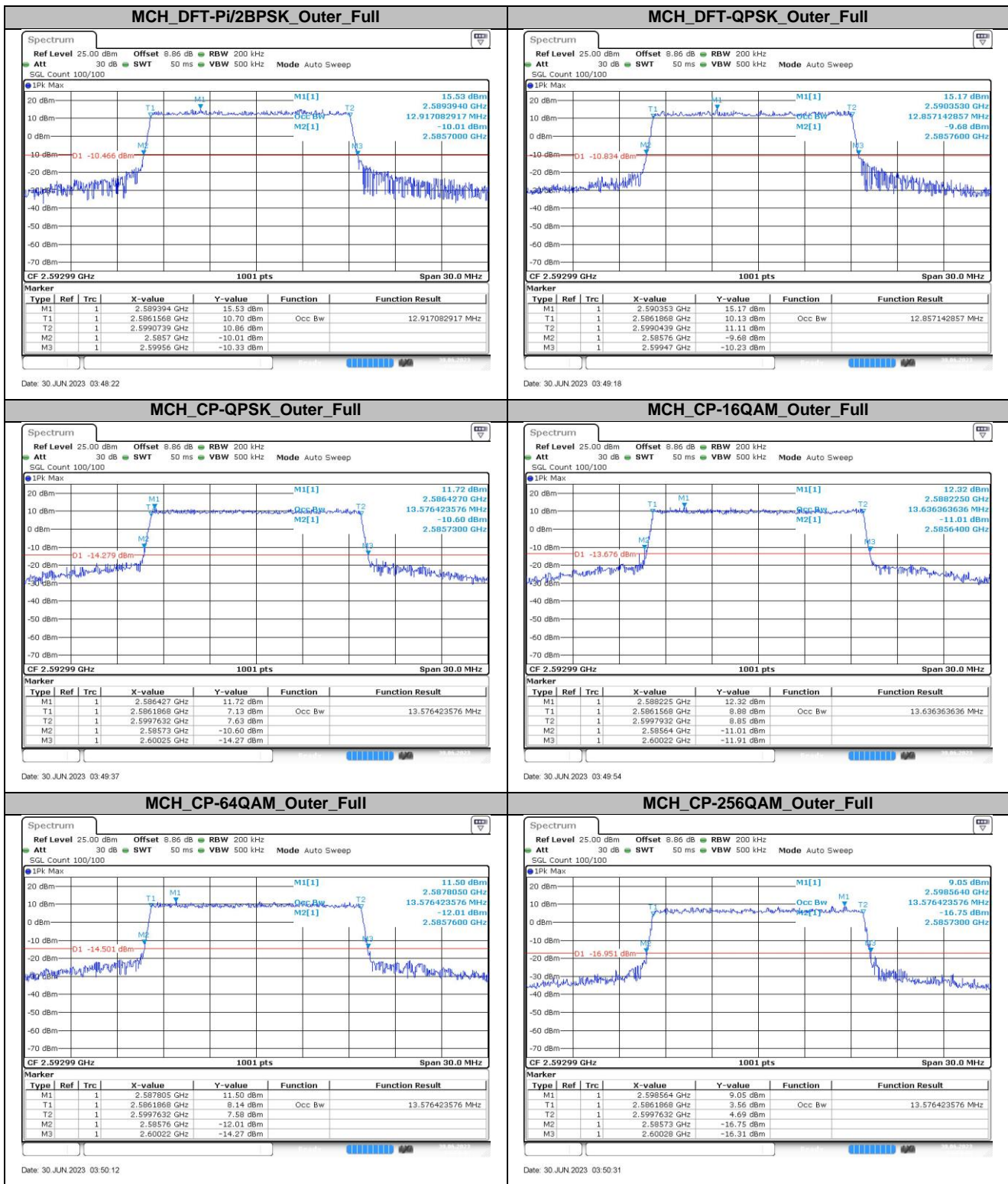
30KHz	90MHz	CP-256QAM	Outer_Full	87.39	90.54	Pass
30KHz	100MHz	DFT-Pi/2BPSK	Outer_Full	96.30	100.60	Pass
30KHz	100MHz	DFT-QPSK	Outer_Full	96.50	100.40	Pass
30KHz	100MHz	CP-QPSK	Outer_Full	97.50	101.80	Pass
30KHz	100MHz	CP-16QAM	Outer_Full	97.50	105.60	Pass
30KHz	100MHz	CP-64QAM	Outer_Full	97.50	101.20	Pass
30KHz	100MHz	CP-256QAM	Outer_Full	97.30	101.20	Pass

4.2. Test Plots

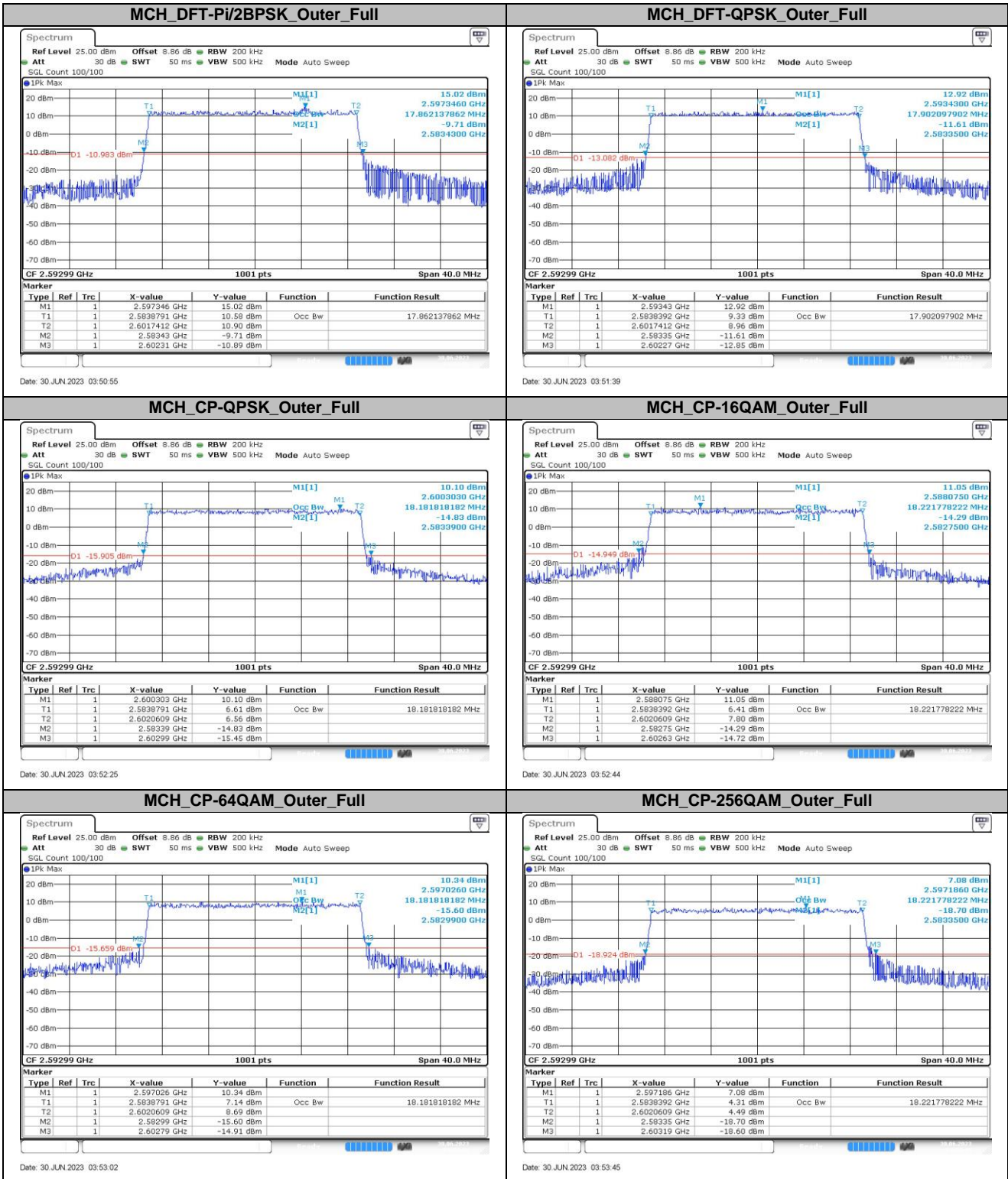
4.2.1. Bandwidth:10MHz



4.2.2. Bandwidth:15MHz



4.2.3. Bandwidth:20MHz





4.2.4. Bandwidth:30MHz

