

**Appendix
for
n2A
(1850-1910)**

Catalogue

| | | |
|-----------|---|-----------|
| 1. | EFFECTIVE ISOTROPIC RADIATED POWER | 3 |
| 1.1. | TEST RESULTS @ ANT1 (ANTENNA GAIN=-1.00DBI) | 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 | 7 |
| 4.1. | TEST RESULTS | 7 |
| 4.2. | TEST PLOTS..... | 8 |
| 5. | CONDUCTED BAND EDGES | 12 |
| 5.1. | TEST PLOTS..... | 12 |
| 6. | CONDUCTED SPURIOUS EMISSION | 17 |
| 6.1. | TEST PLOTS..... | 17 |
| 7. | FREQUENCY STABILITY | 21 |
| 7.1. | TEST RESULTS | 21 |

1. Effective Isotropic Radiated Power

1.1. Test Results @ Ant1 (Antenna Gain=-1.00dBi)

| 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 | 23.24 | 23.18 | 23.20 | 22.24 | 33.00 | Pass |
| 15KHz | 5MHz | LCH | DFT-QPSK | 23.31 | 23.19 | 23.16 | 22.31 | 33.00 | Pass |
| 15KHz | 5MHz | LCH | DFT-16QAM | 22.98 | 22.84 | 23.01 | 22.01 | 33.00 | Pass |
| 15KHz | 5MHz | LCH | DFT-64QAM | 21.71 | 21.56 | 21.49 | 20.71 | 33.00 | Pass |
| 15KHz | 5MHz | LCH | DFT-256QAM | 18.86 | 18.81 | 19.42 | 18.42 | 33.00 | Pass |
| 15KHz | 5MHz | LCH | CP-QPSK | 22.35 | 22.23 | 22.43 | 21.43 | 33.00 | Pass |
| 15KHz | 5MHz | MCH | DFT-Pi2BPSK | 22.95 | 22.86 | 22.91 | 21.95 | 33.00 | Pass |
| 15KHz | 5MHz | MCH | DFT-QPSK | 22.93 | 22.88 | 22.90 | 21.93 | 33.00 | Pass |
| 15KHz | 5MHz | MCH | DFT-16QAM | 22.73 | 22.64 | 22.74 | 21.74 | 33.00 | Pass |
| 15KHz | 5MHz | MCH | DFT-64QAM | 21.36 | 21.31 | 21.20 | 20.36 | 33.00 | Pass |
| 15KHz | 5MHz | MCH | DFT-256QAM | 18.63 | 18.57 | 19.12 | 18.12 | 33.00 | Pass |
| 15KHz | 5MHz | MCH | CP-QPSK | 22.09 | 22.01 | 22.21 | 21.21 | 33.00 | Pass |
| 15KHz | 5MHz | HCH | DFT-Pi2BPSK | 23.04 | 23.02 | 23.05 | 22.05 | 33.00 | Pass |
| 15KHz | 5MHz | HCH | DFT-QPSK | 23.10 | 23.00 | 23.11 | 22.11 | 33.00 | Pass |
| 15KHz | 5MHz | HCH | DFT-16QAM | 22.80 | 22.68 | 22.73 | 21.80 | 33.00 | Pass |
| 15KHz | 5MHz | HCH | DFT-64QAM | 21.36 | 21.32 | 21.23 | 20.36 | 33.00 | Pass |
| 15KHz | 5MHz | HCH | DFT-256QAM | 18.68 | 18.57 | 19.17 | 18.17 | 33.00 | Pass |
| 15KHz | 5MHz | HCH | CP-QPSK | 22.20 | 22.03 | 22.17 | 21.20 | 33.00 | Pass |
| 15KHz | 10MHz | LCH | DFT-Pi2BPSK | 23.25 | 23.06 | 23.19 | 22.25 | 33.00 | Pass |
| 15KHz | 10MHz | LCH | DFT-QPSK | 23.25 | 23.14 | 23.18 | 22.25 | 33.00 | Pass |
| 15KHz | 10MHz | LCH | DFT-16QAM | 22.95 | 22.81 | 22.89 | 21.95 | 33.00 | Pass |
| 15KHz | 10MHz | LCH | DFT-64QAM | 21.69 | 21.46 | 21.39 | 20.69 | 33.00 | Pass |
| 15KHz | 10MHz | LCH | DFT-256QAM | 18.95 | 18.71 | 19.34 | 18.34 | 33.00 | Pass |
| 15KHz | 10MHz | LCH | CP-QPSK | 22.33 | 22.20 | 22.34 | 21.34 | 33.00 | Pass |
| 15KHz | 10MHz | MCH | DFT-Pi2BPSK | 22.89 | 22.91 | 22.96 | 21.96 | 33.00 | Pass |
| 15KHz | 10MHz | MCH | DFT-QPSK | 22.95 | 22.83 | 22.87 | 21.95 | 33.00 | Pass |
| 15KHz | 10MHz | MCH | DFT-16QAM | 22.69 | 22.62 | 22.66 | 21.69 | 33.00 | Pass |
| 15KHz | 10MHz | MCH | DFT-64QAM | 21.37 | 21.25 | 21.10 | 20.37 | 33.00 | Pass |
| 15KHz | 10MHz | MCH | DFT-256QAM | 18.61 | 18.52 | 19.09 | 18.09 | 33.00 | Pass |
| 15KHz | 10MHz | MCH | CP-QPSK | 22.10 | 21.96 | 22.11 | 21.11 | 33.00 | Pass |
| 15KHz | 10MHz | HCH | DFT-Pi2BPSK | 23.06 | 23.08 | 22.95 | 22.08 | 33.00 | Pass |
| 15KHz | 10MHz | HCH | DFT-QPSK | 23.03 | 23.03 | 22.90 | 22.03 | 33.00 | Pass |
| 15KHz | 10MHz | HCH | DFT-16QAM | 22.57 | 22.73 | 22.65 | 21.73 | 33.00 | Pass |
| 15KHz | 10MHz | HCH | DFT-64QAM | 21.35 | 21.35 | 21.16 | 20.35 | 33.00 | Pass |
| 15KHz | 10MHz | HCH | DFT-256QAM | 18.61 | 18.64 | 19.10 | 18.10 | 33.00 | Pass |
| 15KHz | 10MHz | HCH | CP-QPSK | 21.98 | 22.15 | 22.12 | 21.15 | 33.00 | Pass |
| 15KHz | 15MHz | LCH | DFT-Pi2BPSK | 23.27 | 23.15 | 23.27 | 22.27 | 33.00 | Pass |
| 15KHz | 15MHz | LCH | DFT-QPSK | 23.34 | 23.27 | 23.25 | 22.34 | 33.00 | Pass |
| 15KHz | 15MHz | LCH | DFT-16QAM | 23.02 | 22.78 | 23.01 | 22.02 | 33.00 | Pass |
| 15KHz | 15MHz | LCH | DFT-64QAM | 21.67 | 21.49 | 21.51 | 20.67 | 33.00 | Pass |
| 15KHz | 15MHz | LCH | DFT-256QAM | 18.99 | 18.83 | 19.35 | 18.35 | 33.00 | Pass |
| 15KHz | 15MHz | LCH | CP-QPSK | 22.50 | 22.37 | 22.42 | 21.50 | 33.00 | Pass |
| 15KHz | 15MHz | MCH | DFT-Pi2BPSK | 23.06 | 22.99 | 23.07 | 22.07 | 33.00 | Pass |
| 15KHz | 15MHz | MCH | DFT-QPSK | 23.09 | 23.05 | 23.03 | 22.09 | 33.00 | Pass |
| 15KHz | 15MHz | MCH | DFT-16QAM | 22.71 | 22.69 | 22.77 | 21.77 | 33.00 | Pass |
| 15KHz | 15MHz | MCH | DFT-64QAM | 21.35 | 21.33 | 21.29 | 20.35 | 33.00 | Pass |
| 15KHz | 15MHz | MCH | DFT-256QAM | 18.74 | 18.63 | 19.12 | 18.12 | 33.00 | Pass |
| 15KHz | 15MHz | MCH | CP-QPSK | 22.27 | 22.21 | 22.17 | 21.27 | 33.00 | Pass |
| 15KHz | 15MHz | HCH | DFT-Pi2BPSK | 22.97 | 23.08 | 22.97 | 22.08 | 33.00 | Pass |
| 15KHz | 15MHz | HCH | DFT-QPSK | 23.00 | 23.06 | 23.04 | 22.06 | 33.00 | Pass |
| 15KHz | 15MHz | HCH | DFT-16QAM | 22.62 | 22.67 | 22.75 | 21.75 | 33.00 | Pass |
| 15KHz | 15MHz | HCH | DFT-64QAM | 21.41 | 21.46 | 21.29 | 20.46 | 33.00 | Pass |
| 15KHz | 15MHz | HCH | DFT-256QAM | 18.72 | 18.79 | 19.21 | 18.21 | 33.00 | Pass |
| 15KHz | 15MHz | HCH | CP-QPSK | 22.17 | 22.27 | 22.25 | 21.27 | 33.00 | Pass |
| 15KHz | 20MHz | LCH | DFT-Pi2BPSK | 23.35 | 23.14 | 23.20 | 22.35 | 33.00 | Pass |
| 15KHz | 20MHz | LCH | DFT-QPSK | 23.37 | 23.14 | 23.25 | 22.37 | 33.00 | Pass |
| 15KHz | 20MHz | LCH | DFT-16QAM | 22.99 | 22.73 | 23.01 | 22.01 | 33.00 | Pass |
| 15KHz | 20MHz | LCH | DFT-64QAM | 21.74 | 21.46 | 21.49 | 20.74 | 33.00 | Pass |
| 15KHz | 20MHz | LCH | DFT-256QAM | 18.94 | 18.71 | 19.39 | 18.39 | 33.00 | Pass |

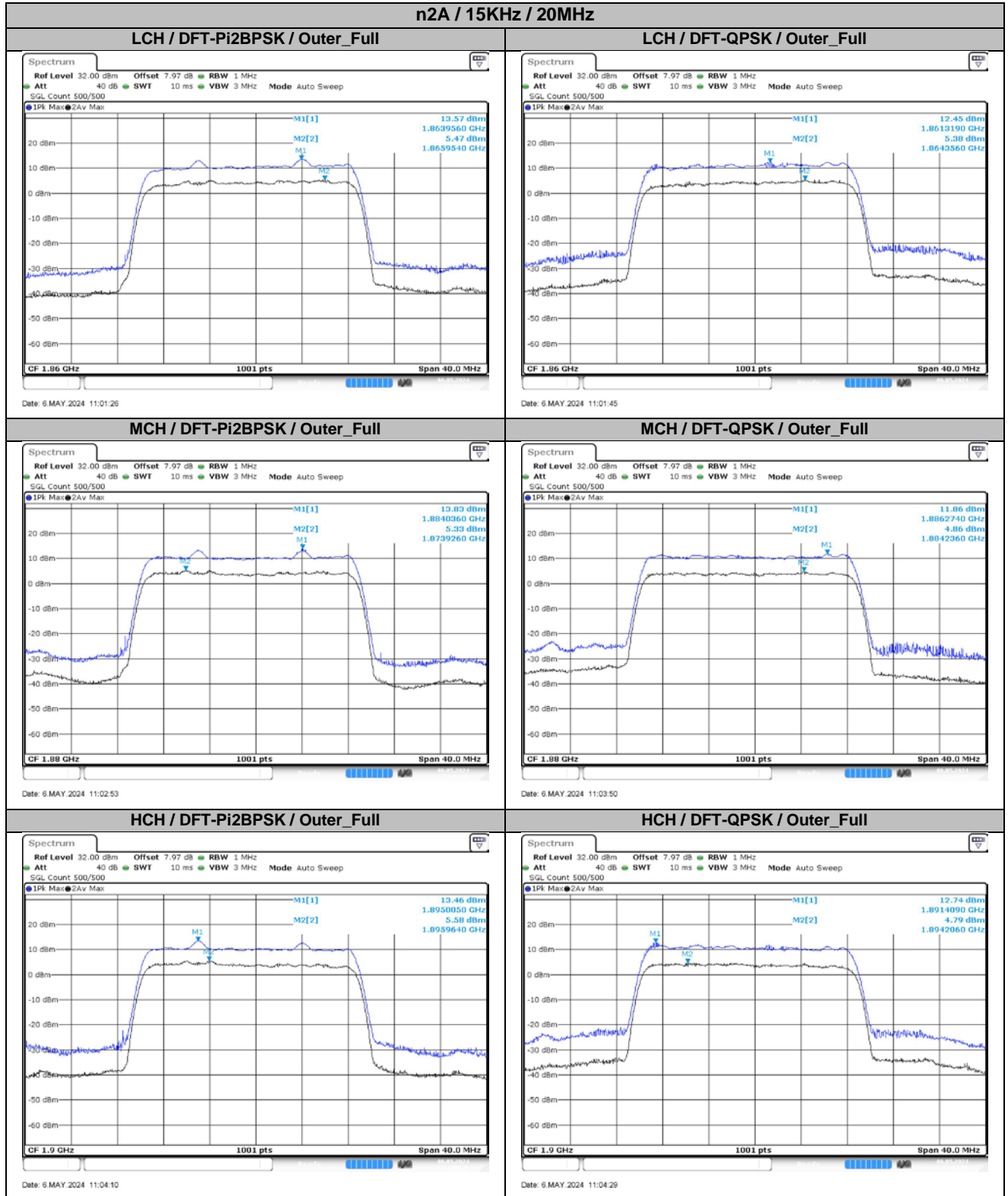
| | | | | | | | | | |
|-------|-------|-----|-------------|-------|-------|-------|-------|-------|------|
| 15KHz | 20MHz | LCH | CP-QPSK | 22.43 | 22.23 | 22.44 | 21.44 | 33.00 | Pass |
| 15KHz | 20MHz | MCH | DFT-Pi2BPSK | 23.03 | 22.99 | 22.95 | 22.03 | 33.00 | Pass |
| 15KHz | 20MHz | MCH | DFT-QPSK | 23.05 | 23.01 | 22.98 | 22.05 | 33.00 | Pass |
| 15KHz | 20MHz | MCH | DFT-16QAM | 22.70 | 22.68 | 22.73 | 21.73 | 33.00 | Pass |
| 15KHz | 20MHz | MCH | DFT-64QAM | 21.43 | 21.39 | 21.26 | 20.43 | 33.00 | Pass |
| 15KHz | 20MHz | MCH | DFT-256QAM | 18.75 | 18.62 | 19.18 | 18.18 | 33.00 | Pass |
| 15KHz | 20MHz | MCH | CP-QPSK | 22.21 | 22.10 | 22.15 | 21.21 | 33.00 | Pass |
| 15KHz | 20MHz | HCH | DFT-Pi2BPSK | 22.92 | 23.08 | 23.02 | 22.08 | 33.00 | Pass |
| 15KHz | 20MHz | HCH | DFT-QPSK | 22.90 | 23.12 | 22.97 | 22.12 | 33.00 | Pass |
| 15KHz | 20MHz | HCH | DFT-16QAM | 22.60 | 22.79 | 22.75 | 21.79 | 33.00 | Pass |
| 15KHz | 20MHz | HCH | DFT-64QAM | 21.35 | 21.63 | 21.25 | 20.63 | 33.00 | Pass |
| 15KHz | 20MHz | HCH | DFT-256QAM | 18.62 | 18.72 | 19.17 | 18.17 | 33.00 | Pass |
| 15KHz | 20MHz | HCH | CP-QPSK | 22.15 | 22.26 | 22.18 | 21.26 | 33.00 | Pass |

2. Peak-to-Average Ratio

2.1. Test Results

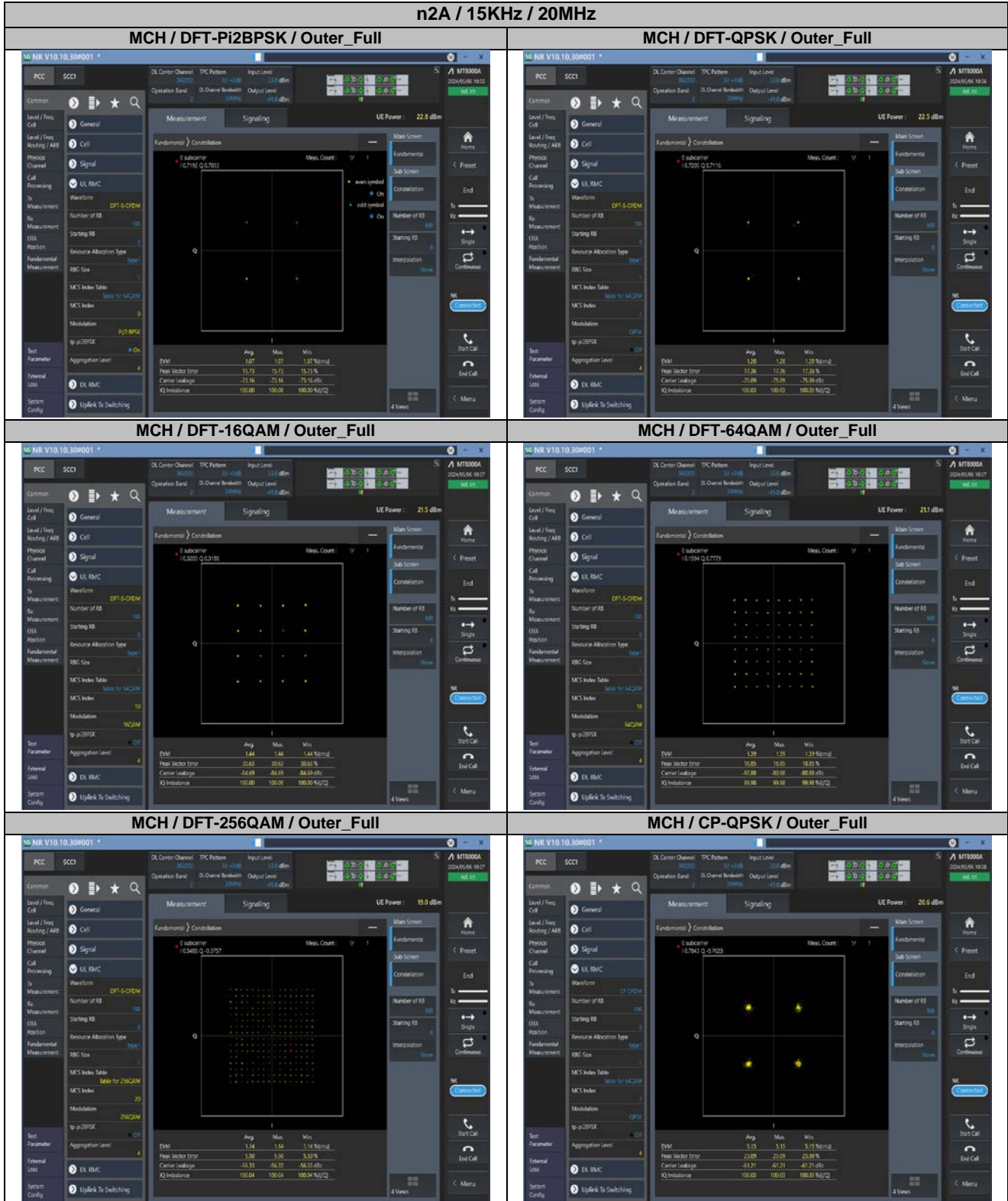
| SCS | Bandwidth | Channel | RB | Result (dB) | | Limit (dB) | Verdict |
|-------|-----------|---------|------------|-------------|----------|------------|---------|
| | | | | DFT-Pi2BPSK | DFT-QPSK | | |
| 15KHz | 20MHz | LCH | Outer_Full | 8.10 | 7.07 | 13.00 | Pass |
| 15KHz | 20MHz | MCH | Outer_Full | 8.50 | 6.99 | 13.00 | Pass |
| 15KHz | 20MHz | HCH | Outer_Full | 7.88 | 7.95 | 13.00 | Pass |

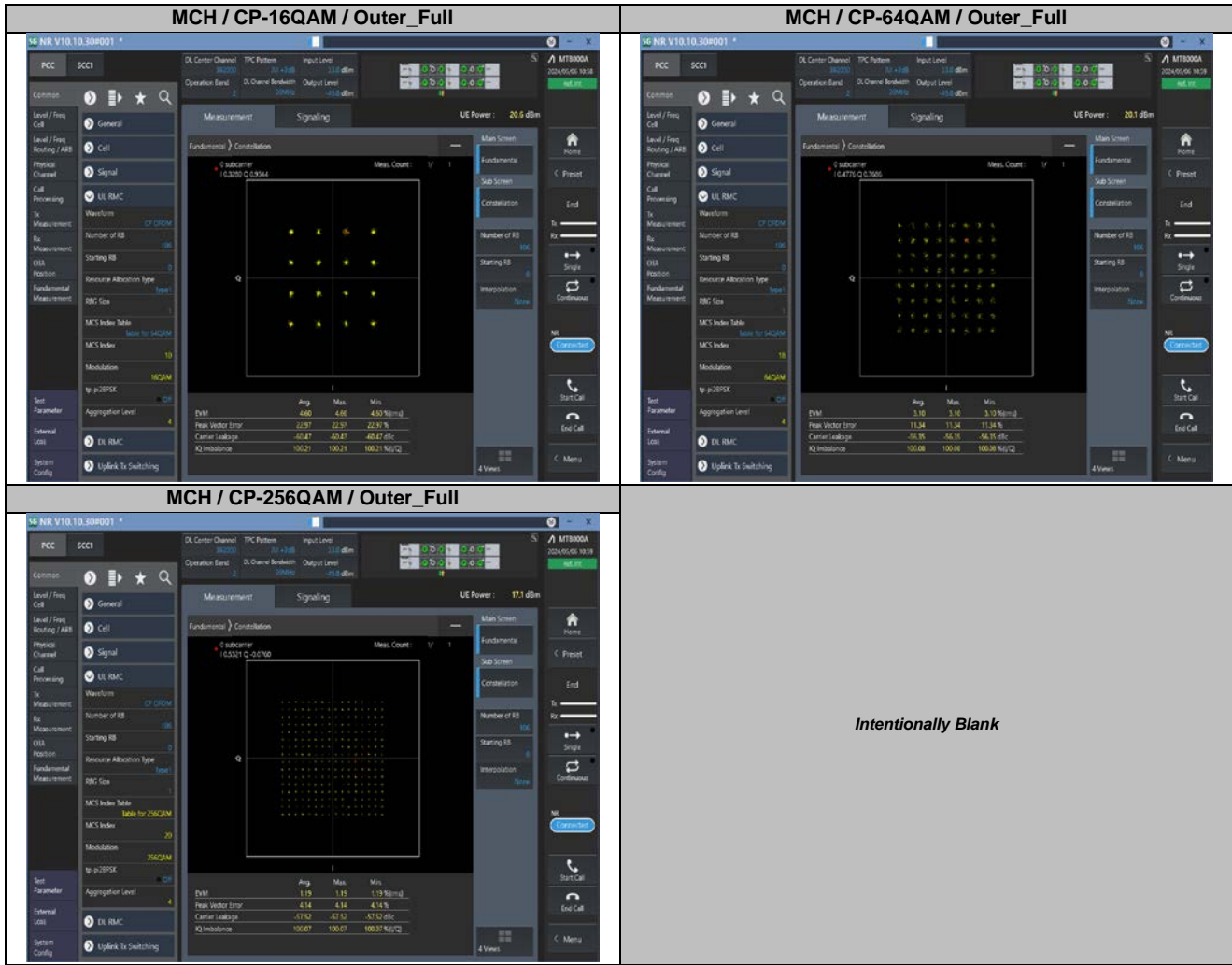
2.2. Test Plots



3. Modulation Characteristics

3.1. Test Plots





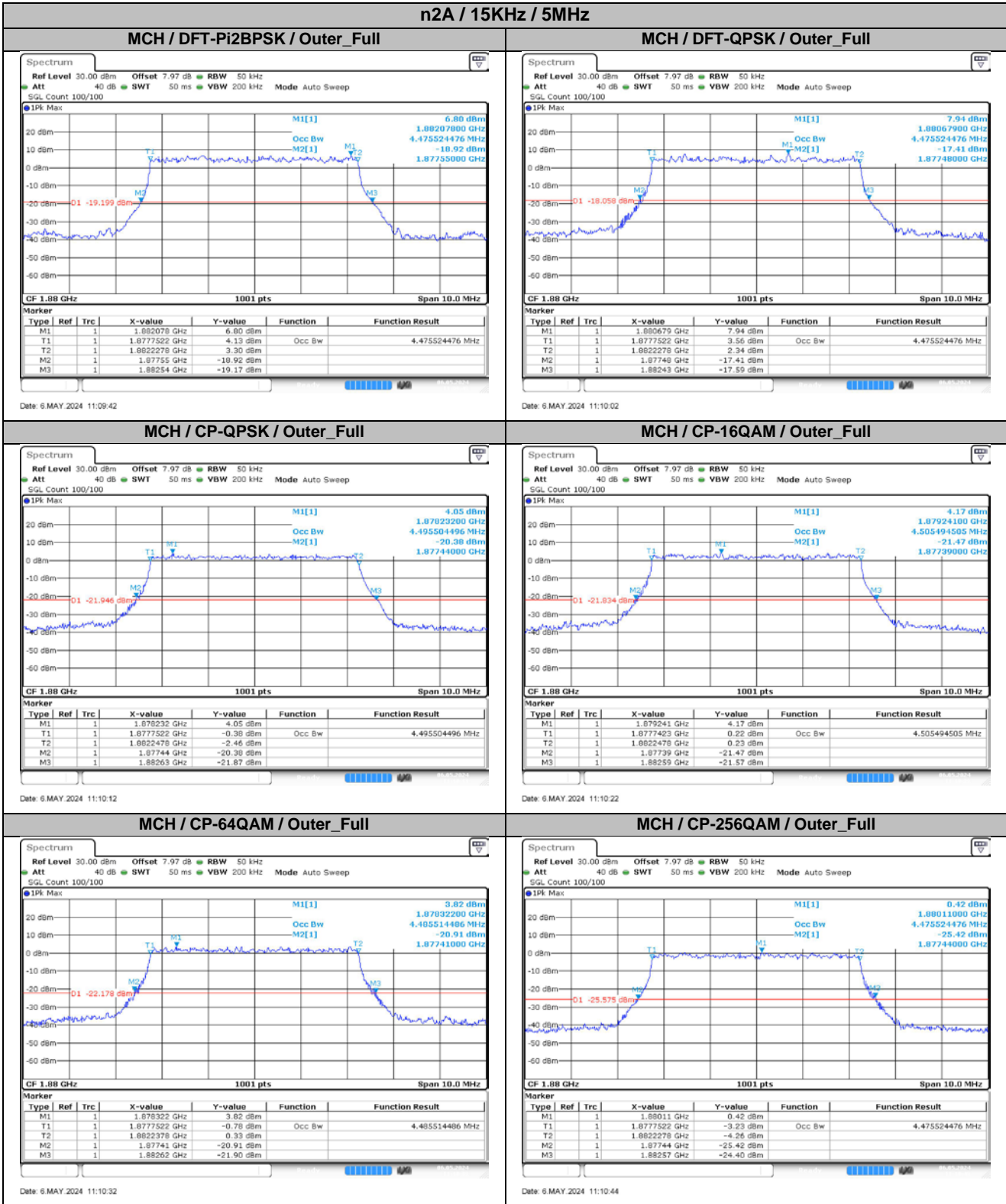
4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

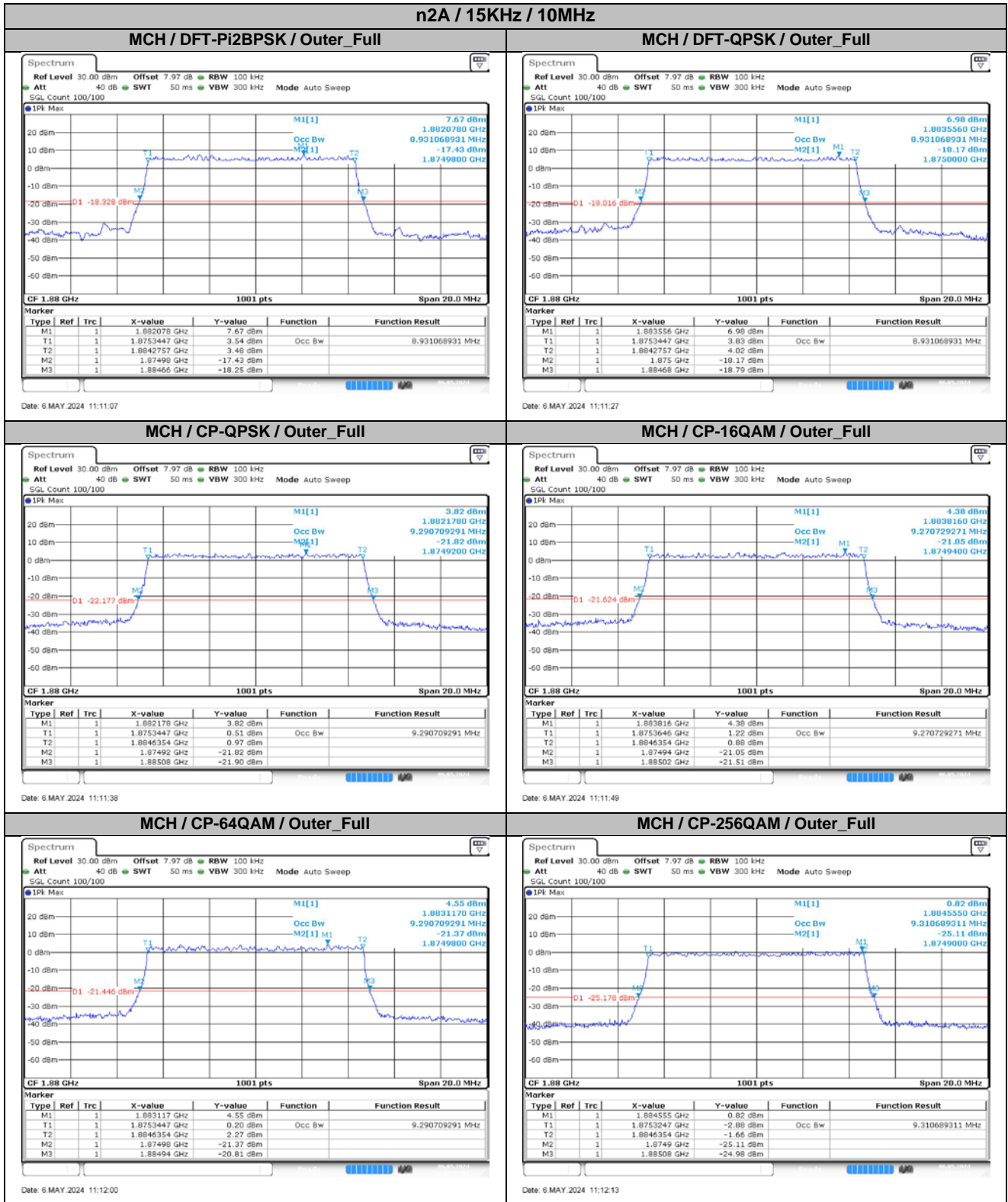
4.1. Test Results

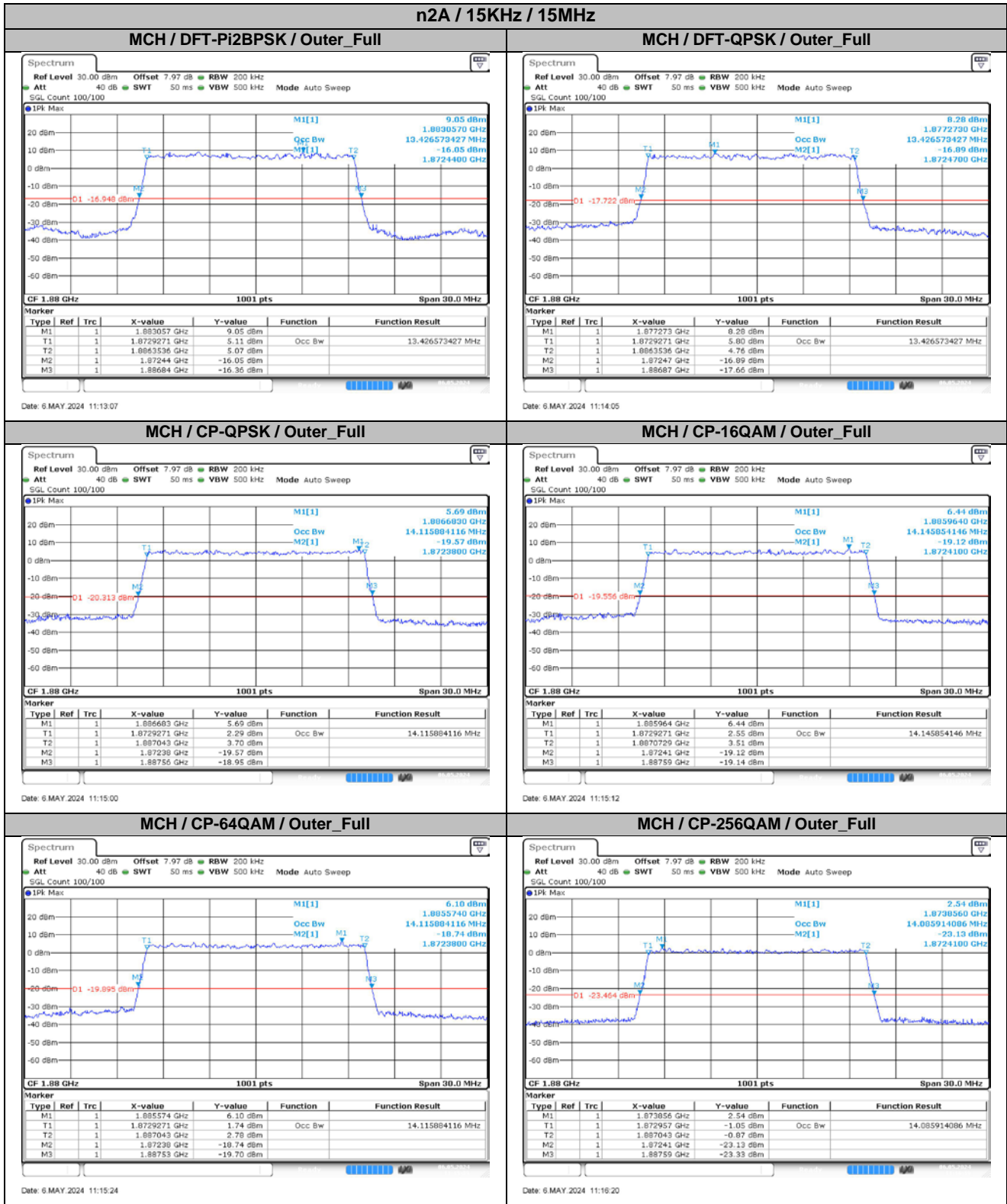
| SCS | Bandwidth | Modulation | RB | 99% Occupied Bandwidth (MHz) | 26dB Emission Bandwidth (MHz) | Verdict |
|-------|-----------|-------------|------------|------------------------------|-------------------------------|---------|
| 15KHz | 5MHz | DFT-Pi2BPSK | Outer_Full | 4.48 | 4.99 | Pass |
| 15KHz | 5MHz | DFT-QPSK | Outer_Full | 4.48 | 4.95 | Pass |
| 15KHz | 5MHz | CP-QPSK | Outer_Full | 4.50 | 5.19 | Pass |
| 15KHz | 5MHz | CP-16QAM | Outer_Full | 4.51 | 5.20 | Pass |
| 15KHz | 5MHz | CP-64QAM | Outer_Full | 4.49 | 5.21 | Pass |
| 15KHz | 5MHz | CP-256QAM | Outer_Full | 4.48 | 5.13 | Pass |
| 15KHz | 10MHz | DFT-Pi2BPSK | Outer_Full | 8.93 | 9.68 | Pass |
| 15KHz | 10MHz | DFT-QPSK | Outer_Full | 8.93 | 9.68 | Pass |
| 15KHz | 10MHz | CP-QPSK | Outer_Full | 9.29 | 10.16 | Pass |
| 15KHz | 10MHz | CP-16QAM | Outer_Full | 9.27 | 10.08 | Pass |
| 15KHz | 10MHz | CP-64QAM | Outer_Full | 9.29 | 9.96 | Pass |
| 15KHz | 10MHz | CP-256QAM | Outer_Full | 9.31 | 10.18 | Pass |
| 15KHz | 15MHz | DFT-Pi2BPSK | Outer_Full | 13.43 | 14.40 | Pass |
| 15KHz | 15MHz | DFT-QPSK | Outer_Full | 13.43 | 14.40 | Pass |
| 15KHz | 15MHz | CP-QPSK | Outer_Full | 14.12 | 15.18 | Pass |
| 15KHz | 15MHz | CP-16QAM | Outer_Full | 14.15 | 15.18 | Pass |
| 15KHz | 15MHz | CP-64QAM | Outer_Full | 14.12 | 15.15 | Pass |
| 15KHz | 15MHz | CP-256QAM | Outer_Full | 14.09 | 15.18 | Pass |
| 15KHz | 20MHz | DFT-Pi2BPSK | Outer_Full | 17.90 | 18.88 | Pass |
| 15KHz | 20MHz | DFT-QPSK | Outer_Full | 17.86 | 18.96 | Pass |
| 15KHz | 20MHz | CP-QPSK | Outer_Full | 18.94 | 20.04 | Pass |
| 15KHz | 20MHz | CP-16QAM | Outer_Full | 18.98 | 20.08 | Pass |

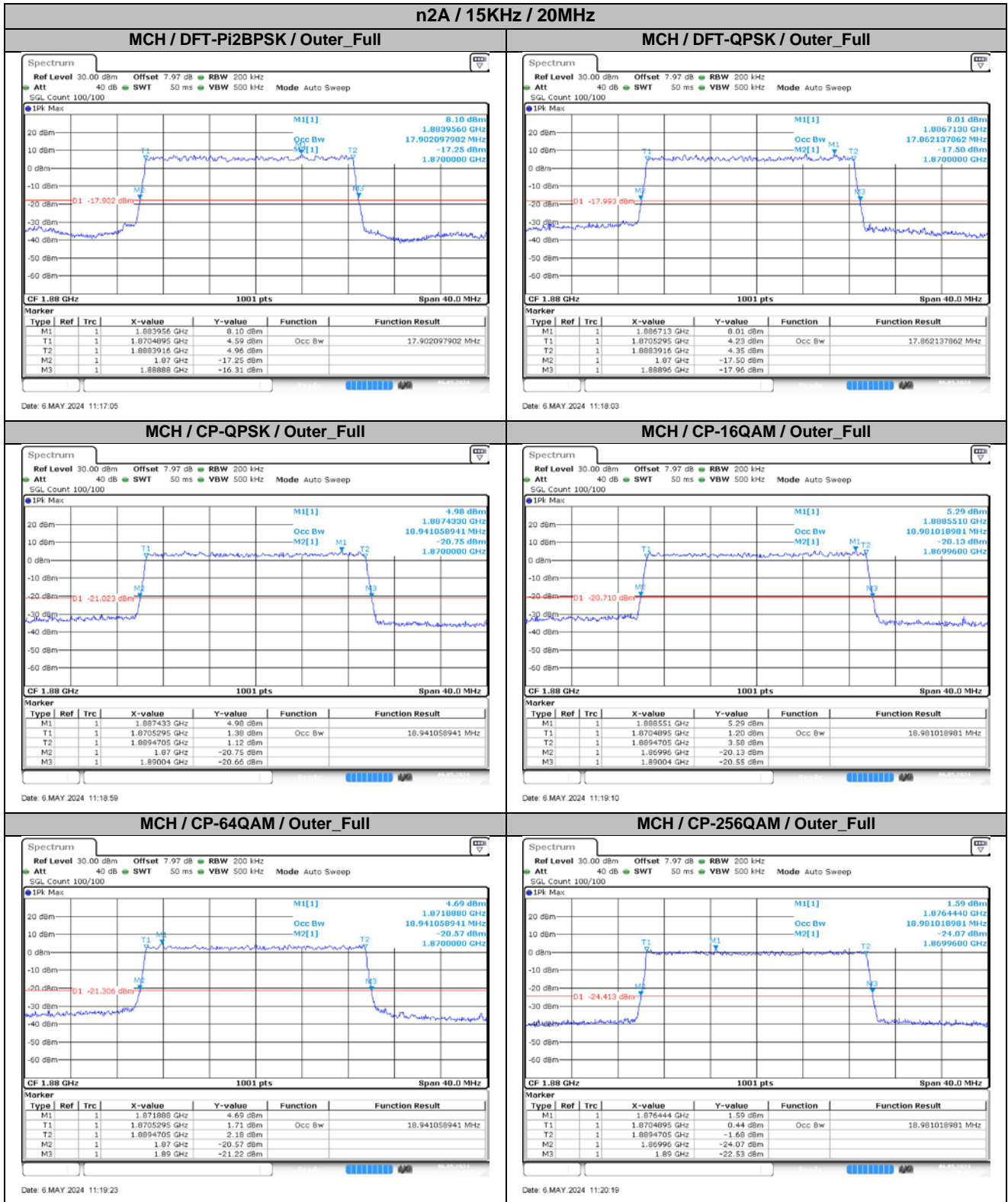
| | | | | | | |
|-------|-------|-----------|------------|-------|-------|------|
| 15KHz | 20MHz | CP-64QAM | Outer_Full | 18.94 | 20.00 | Pass |
| 15KHz | 20MHz | CP-256QAM | Outer_Full | 18.98 | 20.04 | Pass |

4.2. Test Plots



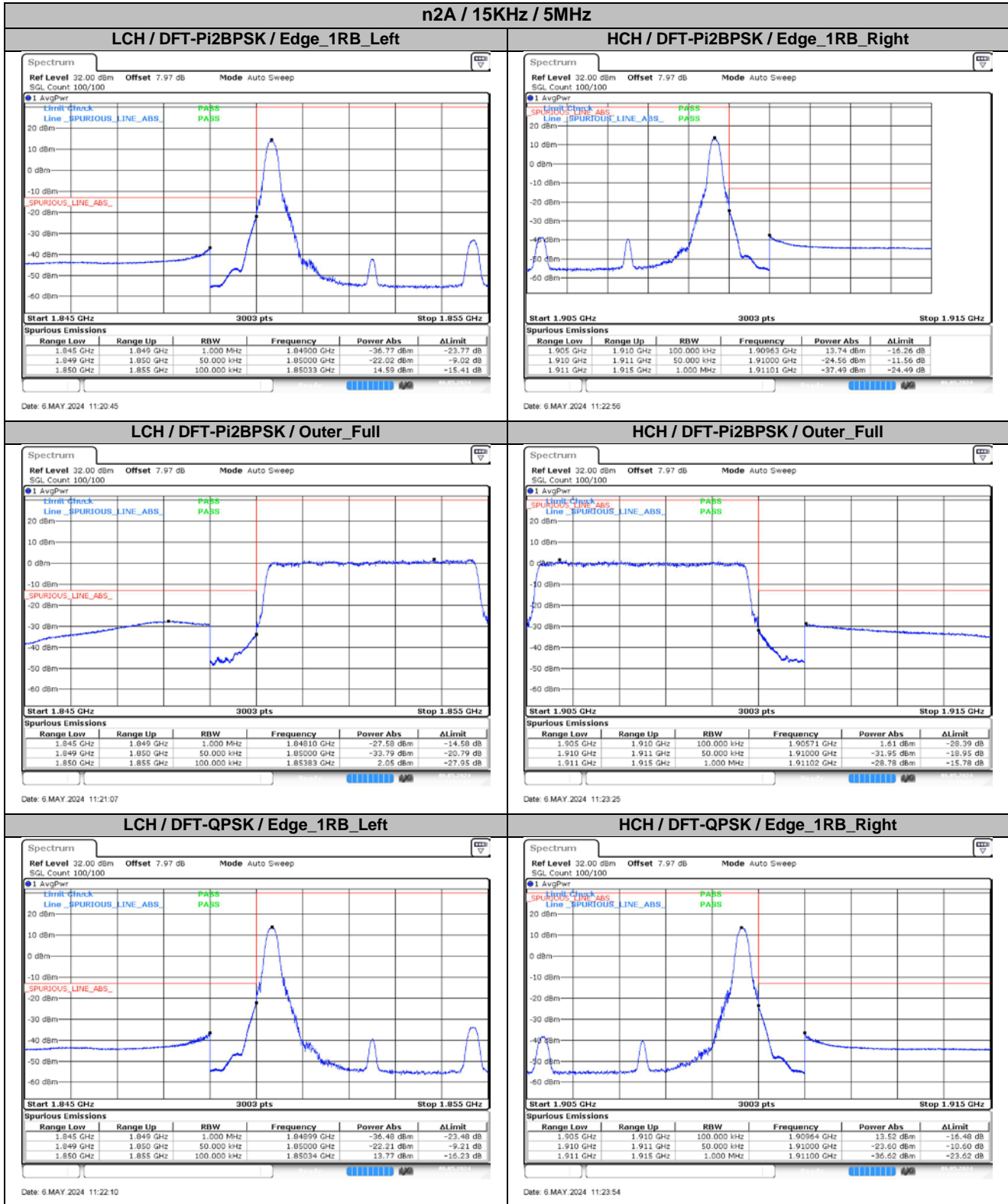


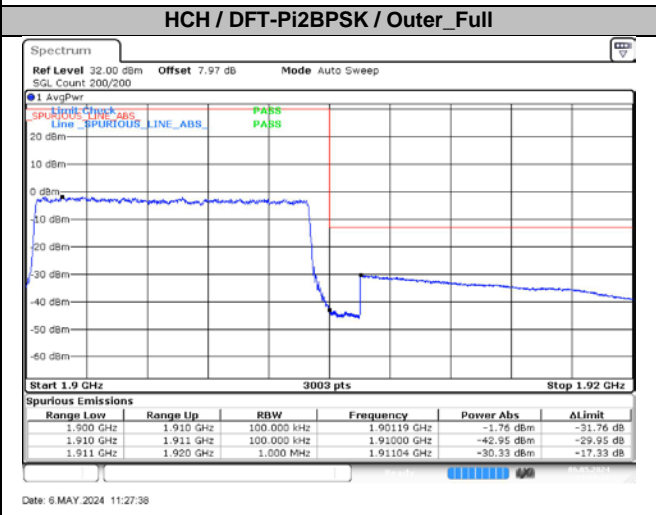
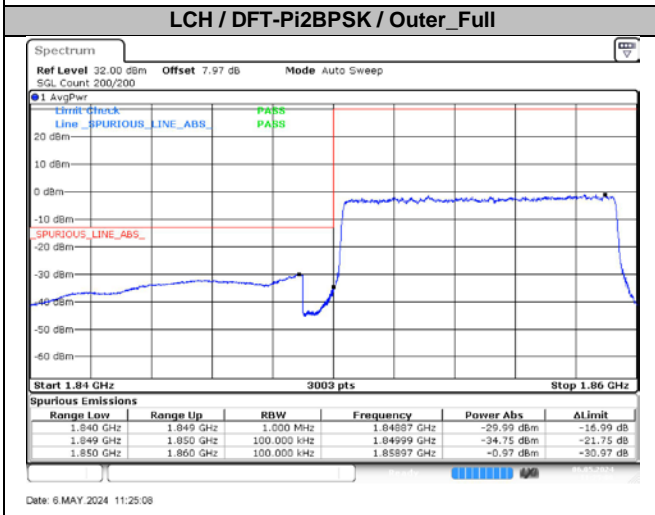
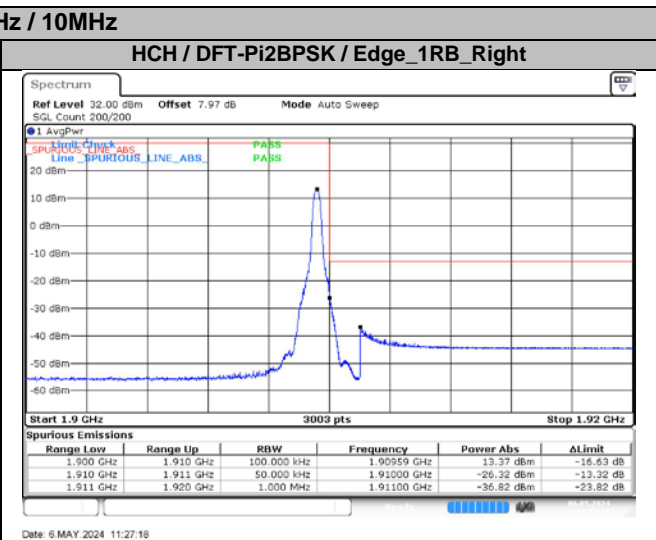
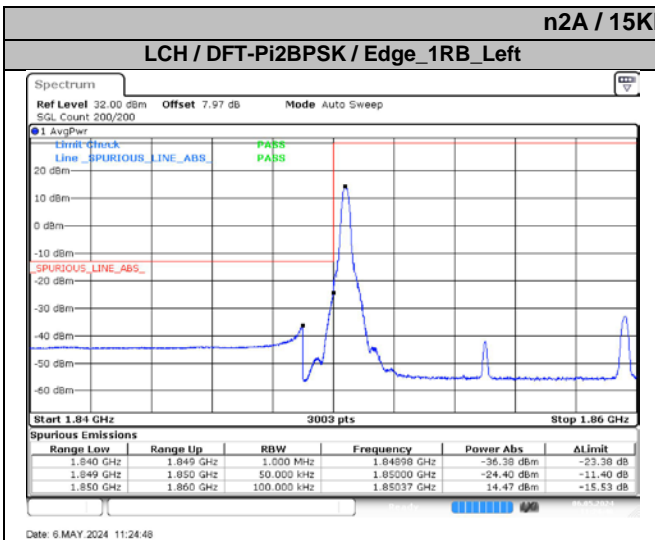
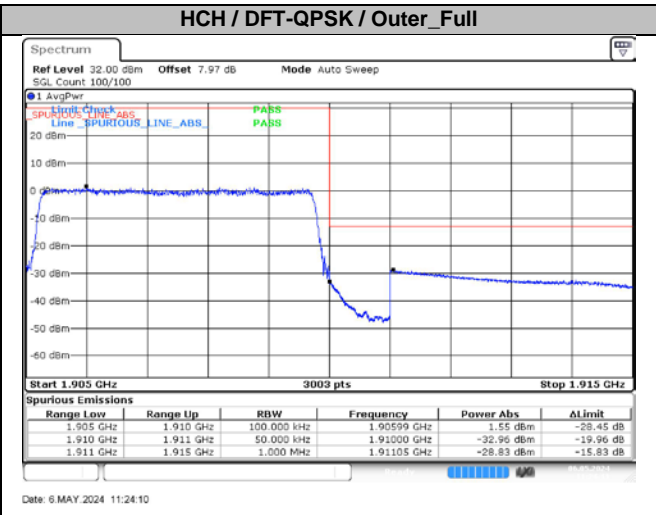
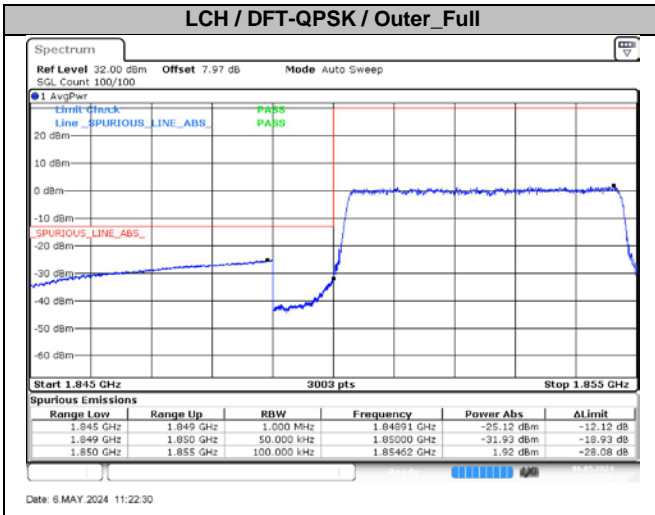


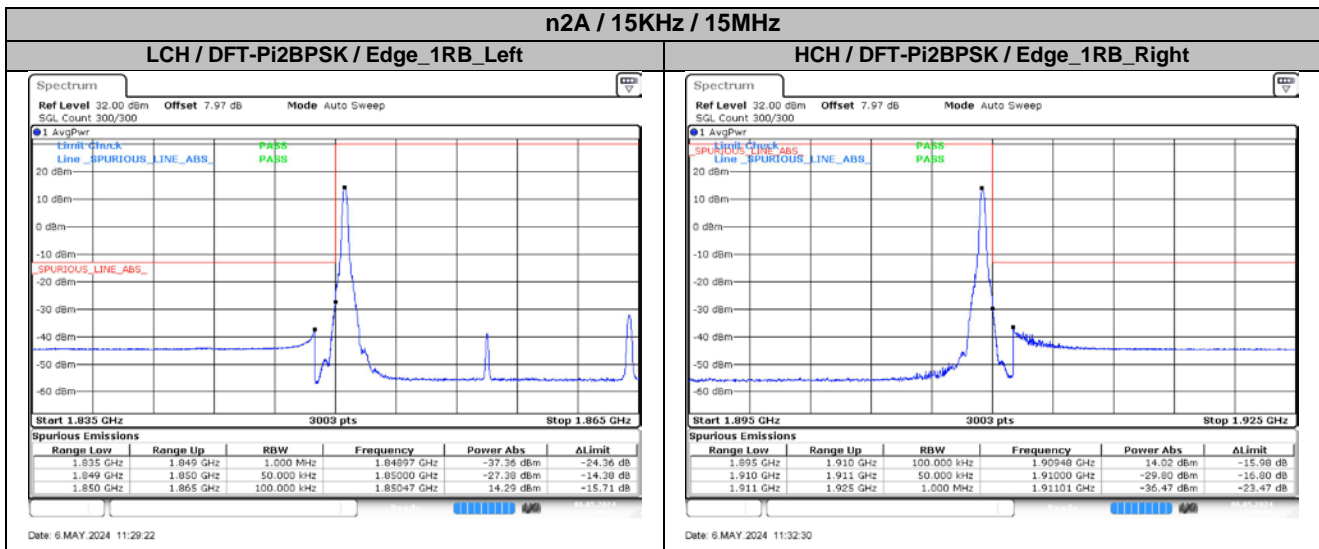
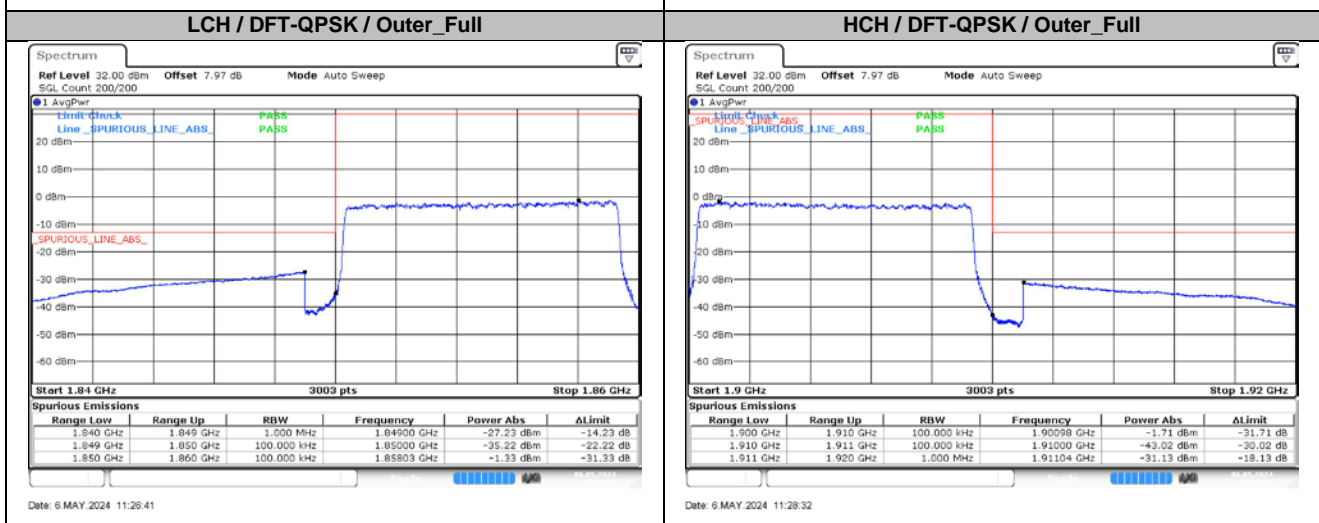
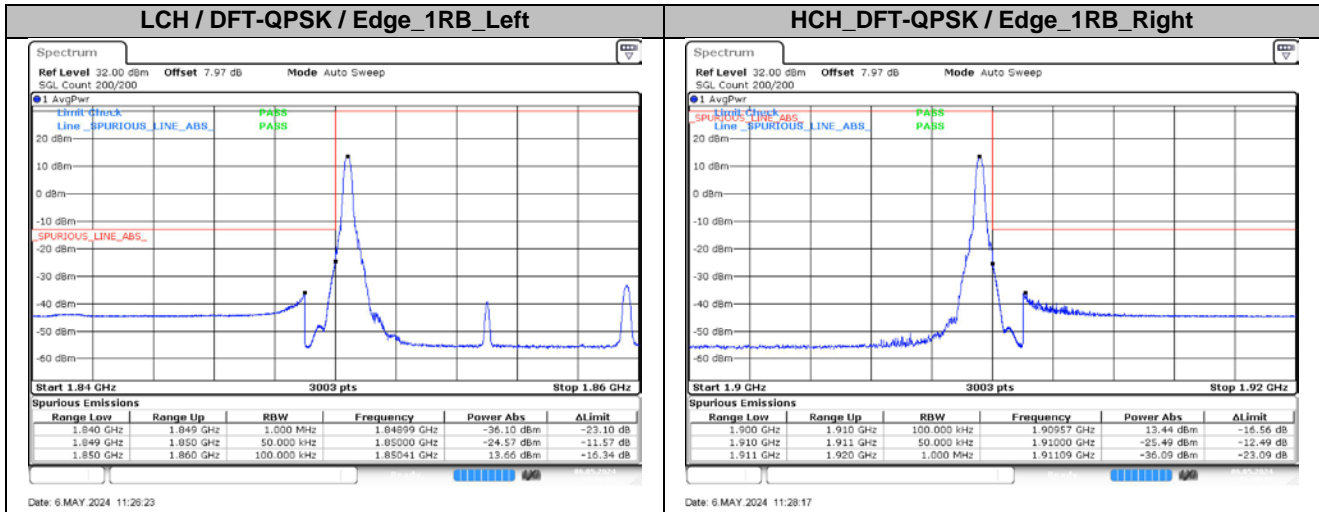


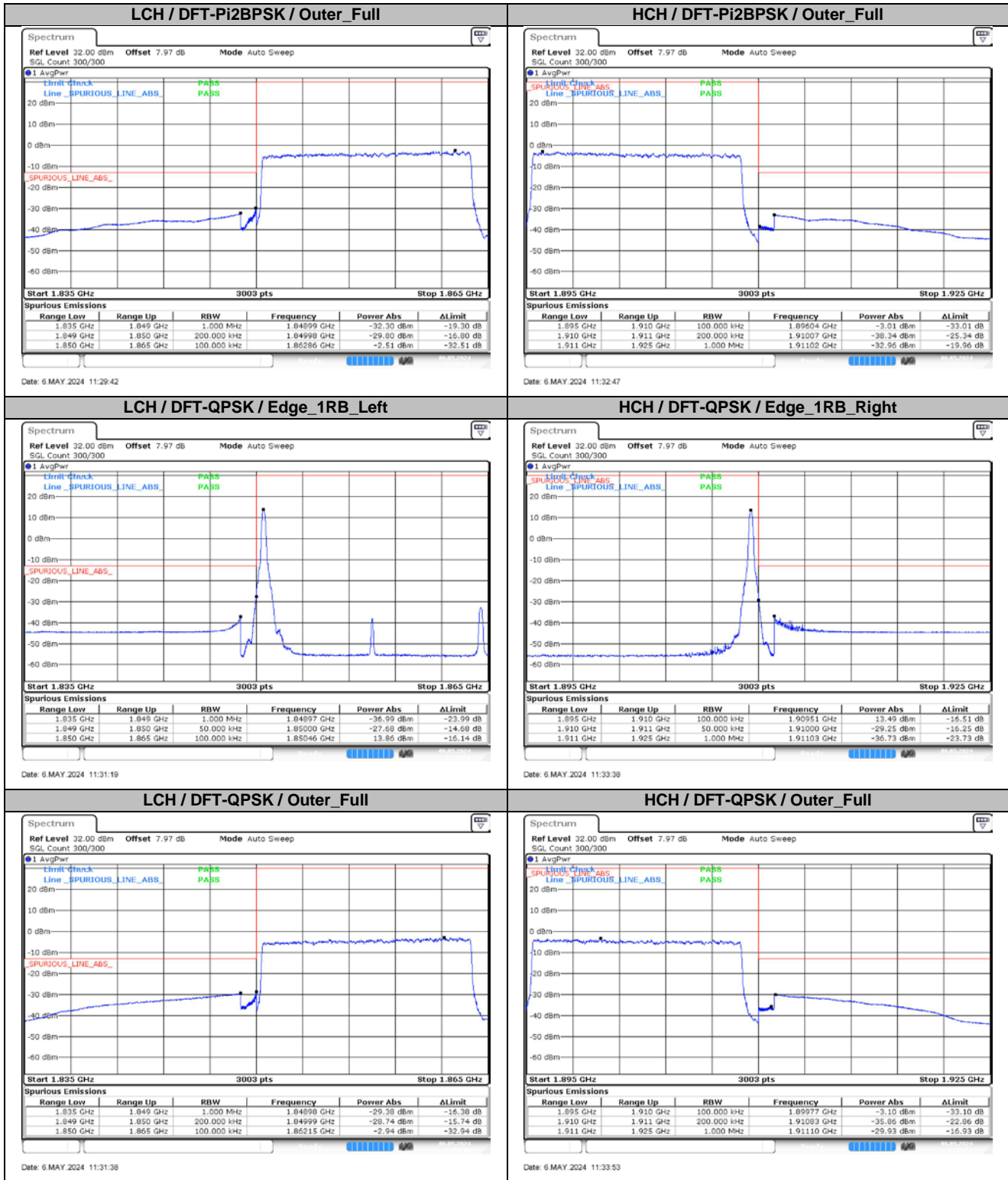
5. Conducted Band Edges

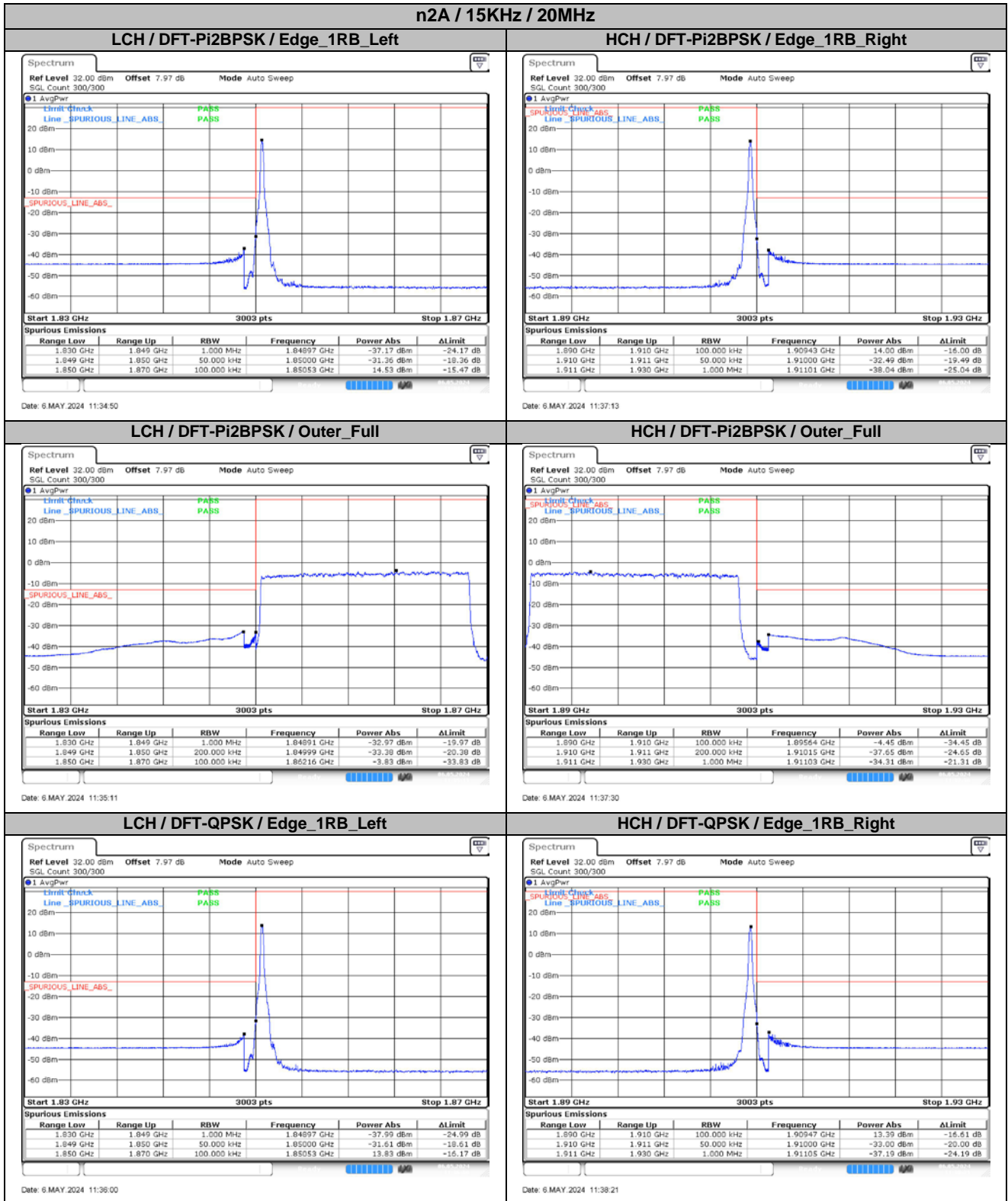
5.1. Test Plots

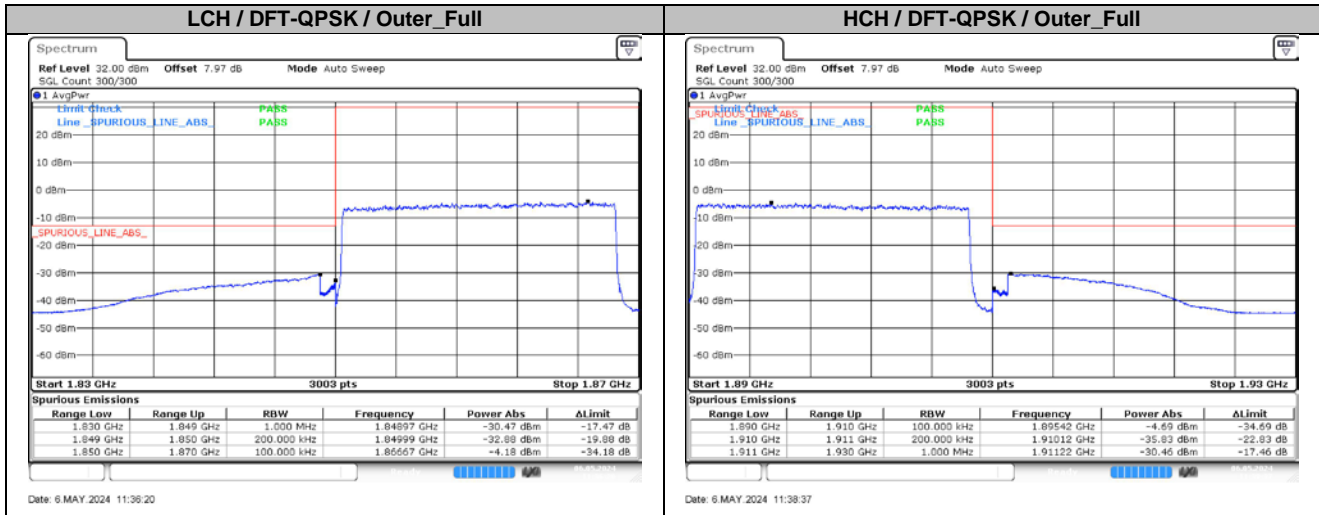












6. Conducted Spurious Emission

6.1. Test Plots

