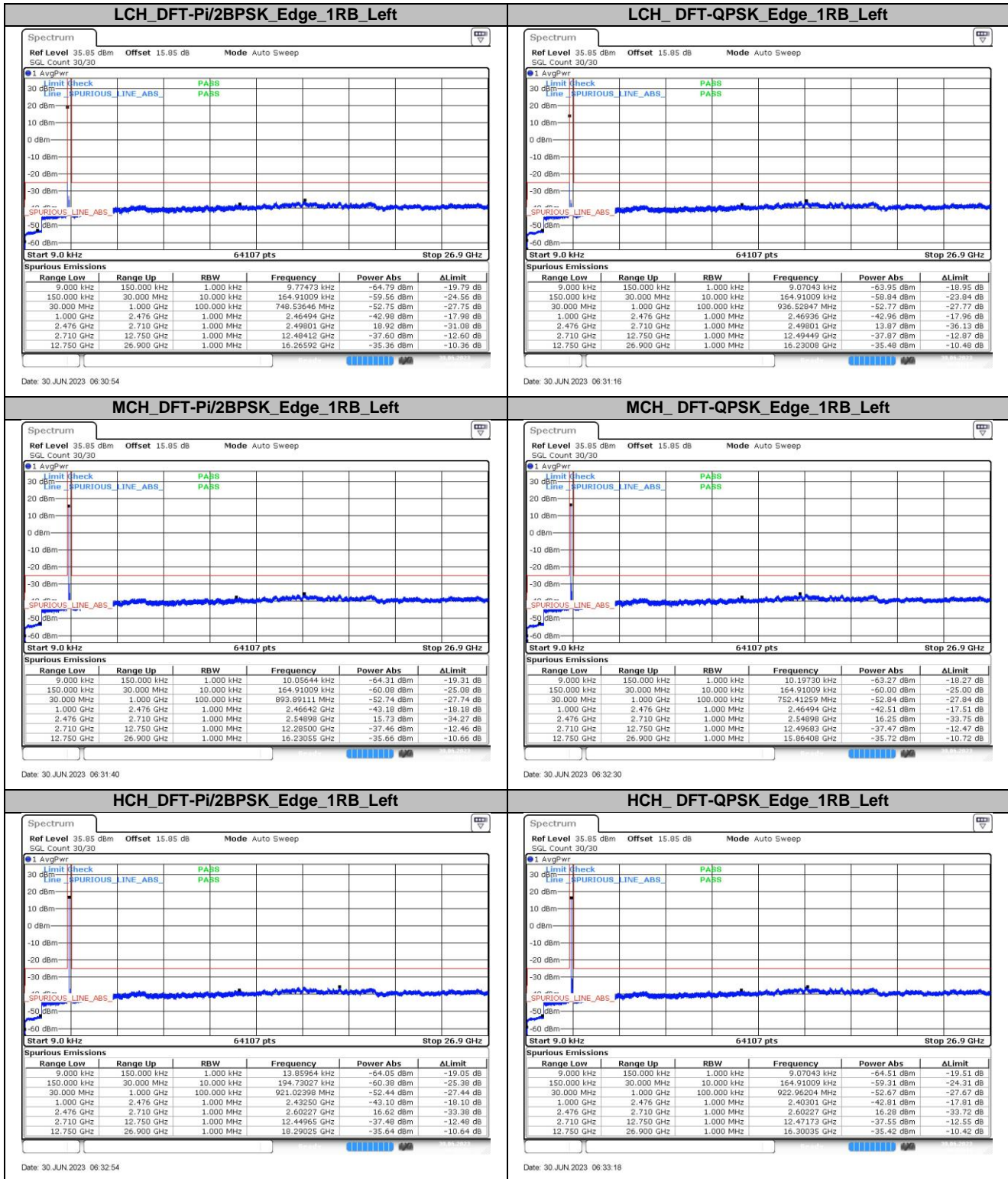
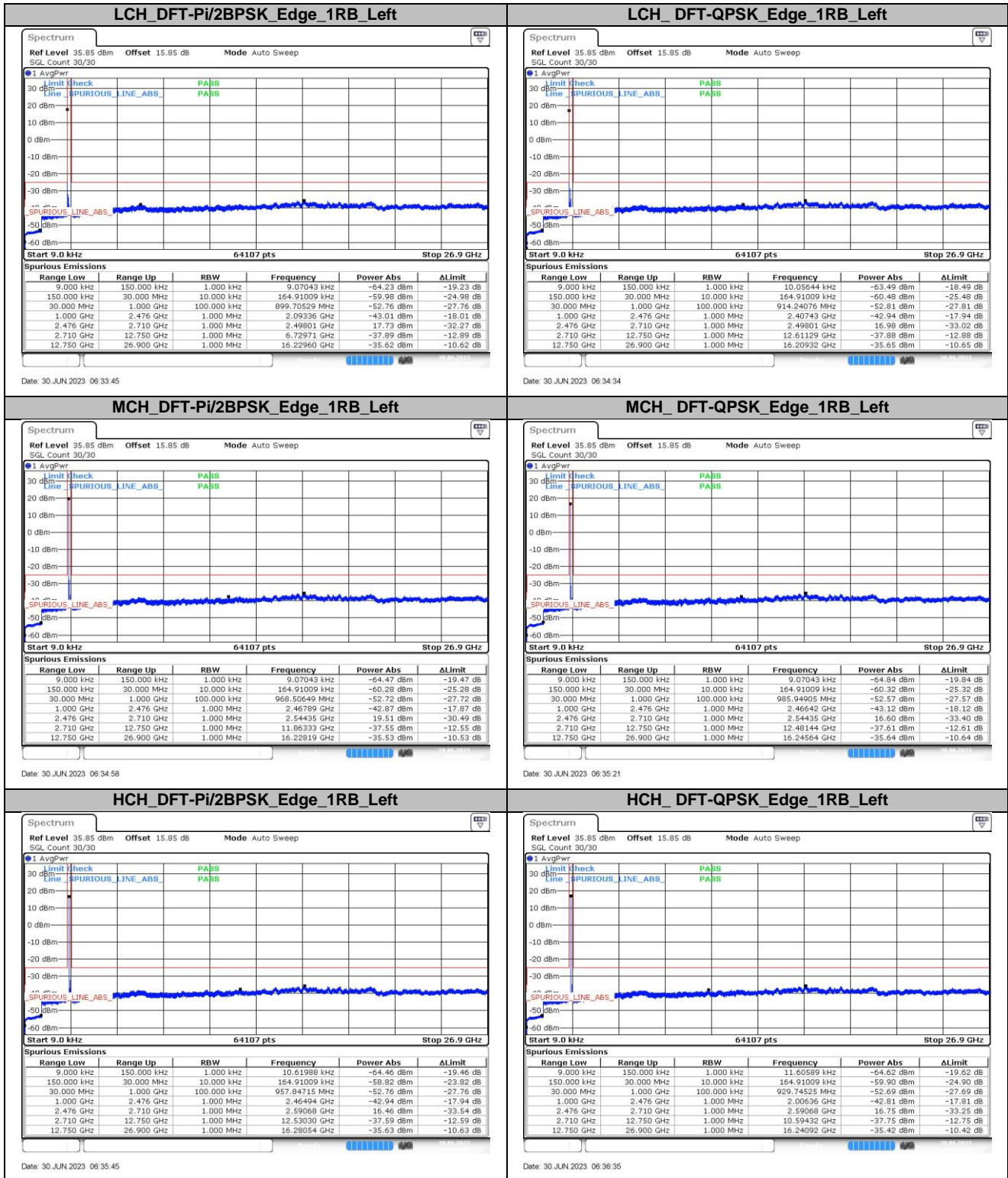


6.1.10. Bandwidth:90MHz



6.1.11. Bandwidth:100MHz



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) | |
| 30KHz | 100MHz | MCH | Outer_Full | DFT-QPSK | NT | LV | -4.30 | -0.001658 | Pass |
| 30KHz | 100MHz | MCH | Outer_Full | DFT-QPSK | NT | NV | -2.10 | -0.000810 | Pass |
| 30KHz | 100MHz | MCH | Outer_Full | DFT-QPSK | NT | HV | -5.00 | -0.001928 | Pass |

7.1.2. Frequency Error Vs Temperature

| SCS | Bandwidth | Channel | RB Config | Modulation | Temperature | Voltage | Deviation Result | | Verdict |
|-------|-----------|---------|------------|------------|-------------|---------|------------------|-----------|---------|
| | | | | | | | (Hz) | (ppm) | |
| 30KHz | 100MHz | MCH | Outer_Full | DFT-QPSK | -30°C | NV | -3.40 | -0.001311 | Pass |
| 30KHz | 100MHz | MCH | Outer_Full | DFT-QPSK | -20°C | NV | -1.50 | -0.000578 | Pass |
| 30KHz | 100MHz | MCH | Outer_Full | DFT-QPSK | -10°C | NV | 1.80 | 0.000694 | Pass |
| 30KHz | 100MHz | MCH | Outer_Full | DFT-QPSK | 0°C | NV | -4.50 | -0.001735 | Pass |
| 30KHz | 100MHz | MCH | Outer_Full | DFT-QPSK | 10°C | NV | -4.20 | -0.001620 | Pass |
| 30KHz | 100MHz | MCH | Outer_Full | DFT-QPSK | 20°C | NV | -1.80 | -0.000694 | Pass |
| 30KHz | 100MHz | MCH | Outer_Full | DFT-QPSK | 30°C | NV | -2.20 | -0.000848 | Pass |
| 30KHz | 100MHz | MCH | Outer_Full | DFT-QPSK | 40°C | NV | -4.40 | -0.001697 | Pass |
| 30KHz | 100MHz | MCH | Outer_Full | DFT-QPSK | 50°C | NV | -5.10 | -0.001967 | Pass |

The End

**Appendix
for
DC_2A_n66A
(1710-1780)**

Contents

| | | |
|-----------|---|-----------|
| 1. | EFFECTIVE ISOTROPIC RADIATED POWER | 3 |
| 1.1. | TEST RESULTS @ ANT1 (ANTENNA GAIN=-3.00DBI)..... | 3 |
| 2. | PEAK-TO-AVERAGE RATIO | 7 |
| 2.1. | TEST RESULTS | 7 |
| 2.2. | TEST PLOTS..... | 7 |
| 3. | MODULATION CHARACTERISTICS | 8 |
| 3.1. | TEST PLOTS..... | 8 |
| 4. | 99% OCCUPIED BANDWIDTH & 26DB EMISSION BANDWIDTH | 10 |
| 4.1. | TEST RESULTS | 10 |
| 4.2. | TEST PLOTS..... | 11 |
| 5. | CONDUCTED BAND EDGES | 18 |
| 5.1. | TEST PLOTS..... | 18 |
| 6. | CONDUCTED SPURIOUS EMISSION | 26 |
| 6.1. | TEST PLOTS..... | 26 |
| 7. | FREQUENCY STABILITY..... | 33 |
| 7.1. | TEST RESULTS | 33 |

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 | 5MHz | LCH | DFT-Pi2BPSK | 22.85 | 22.80 | 22.97 | 19.97 | 30.00 | Pass |
| 15KHz | 5MHz | LCH | DFT-QPSK | 23.11 | 23.10 | 22.89 | 20.11 | 30.00 | Pass |
| 15KHz | 5MHz | LCH | DFT-16QAM | 21.76 | 21.59 | 22.03 | 19.03 | 30.00 | Pass |
| 15KHz | 5MHz | LCH | DFT-64QAM | 20.72 | 20.44 | 20.43 | 17.72 | 30.00 | Pass |
| 15KHz | 5MHz | LCH | DFT-256QAM | 18.58 | 18.54 | 18.42 | 15.58 | 30.00 | Pass |
| 15KHz | 5MHz | LCH | CP-QPSK | 21.58 | 21.51 | 21.48 | 18.58 | 30.00 | Pass |
| 15KHz | 5MHz | MCH | DFT-Pi2BPSK | 22.95 | 23.03 | 23.09 | 20.09 | 30.00 | Pass |
| 15KHz | 5MHz | MCH | DFT-QPSK | 23.17 | 23.27 | 23.01 | 20.27 | 30.00 | Pass |
| 15KHz | 5MHz | MCH | DFT-16QAM | 21.82 | 21.85 | 22.14 | 19.14 | 30.00 | Pass |
| 15KHz | 5MHz | MCH | DFT-64QAM | 20.85 | 20.80 | 20.64 | 17.85 | 30.00 | Pass |
| 15KHz | 5MHz | MCH | DFT-256QAM | 18.75 | 18.73 | 18.57 | 15.75 | 30.00 | Pass |
| 15KHz | 5MHz | MCH | CP-QPSK | 21.78 | 21.68 | 21.53 | 18.78 | 30.00 | Pass |
| 15KHz | 5MHz | HCH | DFT-Pi2BPSK | 22.52 | 22.51 | 22.60 | 19.60 | 30.00 | Pass |
| 15KHz | 5MHz | HCH | DFT-QPSK | 22.89 | 22.74 | 22.63 | 19.89 | 30.00 | Pass |
| 15KHz | 5MHz | HCH | DFT-16QAM | 21.40 | 21.39 | 21.64 | 18.64 | 30.00 | Pass |
| 15KHz | 5MHz | HCH | DFT-64QAM | 20.32 | 20.28 | 20.16 | 17.32 | 30.00 | Pass |
| 15KHz | 5MHz | HCH | DFT-256QAM | 18.28 | 18.20 | 18.12 | 15.28 | 30.00 | Pass |
| 15KHz | 5MHz | HCH | CP-QPSK | 21.35 | 21.27 | 21.19 | 18.35 | 30.00 | Pass |
| 15KHz | 10MHz | LCH | DFT-Pi2BPSK | 22.85 | 22.77 | 23.03 | 20.03 | 30.00 | Pass |
| 15KHz | 10MHz | LCH | DFT-QPSK | 23.09 | 23.07 | 22.96 | 20.09 | 30.00 | Pass |
| 15KHz | 10MHz | LCH | DFT-16QAM | 21.69 | 21.61 | 21.94 | 18.94 | 30.00 | Pass |
| 15KHz | 10MHz | LCH | DFT-64QAM | 20.73 | 20.65 | 20.45 | 17.73 | 30.00 | Pass |
| 15KHz | 10MHz | LCH | DFT-256QAM | 18.54 | 18.56 | 18.53 | 15.56 | 30.00 | Pass |
| 15KHz | 10MHz | LCH | CP-QPSK | 21.64 | 21.49 | 21.40 | 18.64 | 30.00 | Pass |
| 15KHz | 10MHz | MCH | DFT-Pi2BPSK | 22.95 | 22.99 | 23.11 | 20.11 | 30.00 | Pass |
| 15KHz | 10MHz | MCH | DFT-QPSK | 23.22 | 23.29 | 23.13 | 20.29 | 30.00 | Pass |
| 15KHz | 10MHz | MCH | DFT-16QAM | 21.87 | 21.86 | 22.10 | 19.10 | 30.00 | Pass |
| 15KHz | 10MHz | MCH | DFT-64QAM | 20.76 | 20.76 | 20.54 | 17.76 | 30.00 | Pass |
| 15KHz | 10MHz | MCH | DFT-256QAM | 18.63 | 18.83 | 18.58 | 15.83 | 30.00 | Pass |
| 15KHz | 10MHz | MCH | CP-QPSK | 21.74 | 21.84 | 21.62 | 18.84 | 30.00 | Pass |
| 15KHz | 10MHz | HCH | DFT-Pi2BPSK | 22.60 | 22.51 | 22.68 | 19.68 | 30.00 | Pass |
| 15KHz | 10MHz | HCH | DFT-QPSK | 22.79 | 22.78 | 22.66 | 19.79 | 30.00 | Pass |
| 15KHz | 10MHz | HCH | DFT-16QAM | 21.50 | 21.38 | 21.66 | 18.66 | 30.00 | Pass |
| 15KHz | 10MHz | HCH | DFT-64QAM | 20.42 | 20.16 | 20.17 | 17.42 | 30.00 | Pass |
| 15KHz | 10MHz | HCH | DFT-256QAM | 18.41 | 18.25 | 18.23 | 15.41 | 30.00 | Pass |
| 15KHz | 10MHz | HCH | CP-QPSK | 21.35 | 21.34 | 21.18 | 18.35 | 30.00 | Pass |
| 15KHz | 15MHz | LCH | DFT-Pi2BPSK | 22.99 | 22.88 | 22.95 | 19.99 | 30.00 | Pass |
| 15KHz | 15MHz | LCH | DFT-QPSK | 23.12 | 23.08 | 23.06 | 20.12 | 30.00 | Pass |
| 15KHz | 15MHz | LCH | DFT-16QAM | 21.76 | 21.68 | 21.99 | 18.99 | 30.00 | Pass |
| 15KHz | 15MHz | LCH | DFT-64QAM | 20.80 | 20.68 | 20.54 | 17.80 | 30.00 | Pass |
| 15KHz | 15MHz | LCH | DFT-256QAM | 18.72 | 18.50 | 18.49 | 15.72 | 30.00 | Pass |
| 15KHz | 15MHz | LCH | CP-QPSK | 21.67 | 21.43 | 21.58 | 18.67 | 30.00 | Pass |
| 15KHz | 15MHz | MCH | DFT-Pi2BPSK | 22.98 | 23.05 | 23.14 | 20.14 | 30.00 | Pass |
| 15KHz | 15MHz | MCH | DFT-QPSK | 23.25 | 23.29 | 23.17 | 20.29 | 30.00 | Pass |
| 15KHz | 15MHz | MCH | DFT-16QAM | 22.26 | 21.98 | 22.16 | 19.26 | 30.00 | Pass |
| 15KHz | 15MHz | MCH | DFT-64QAM | 20.83 | 20.97 | 20.71 | 17.97 | 30.00 | Pass |
| 15KHz | 15MHz | MCH | DFT-256QAM | 18.77 | 18.94 | 18.65 | 15.94 | 30.00 | Pass |
| 15KHz | 15MHz | MCH | CP-QPSK | 21.61 | 21.56 | 21.66 | 18.66 | 30.00 | Pass |
| 15KHz | 15MHz | HCH | DFT-Pi2BPSK | 22.77 | 22.56 | 22.73 | 19.77 | 30.00 | Pass |
| 15KHz | 15MHz | HCH | DFT-QPSK | 22.91 | 22.81 | 22.74 | 19.91 | 30.00 | Pass |
| 15KHz | 15MHz | HCH | DFT-16QAM | 21.65 | 21.77 | 21.78 | 18.78 | 30.00 | Pass |
| 15KHz | 15MHz | HCH | DFT-64QAM | 20.54 | 20.37 | 20.32 | 17.54 | 30.00 | Pass |
| 15KHz | 15MHz | HCH | DFT-256QAM | 18.49 | 18.31 | 18.34 | 15.49 | 30.00 | Pass |
| 15KHz | 15MHz | HCH | CP-QPSK | 21.48 | 21.21 | 21.25 | 18.48 | 30.00 | Pass |
| 15KHz | 20MHz | LCH | DFT-Pi2BPSK | 22.95 | 22.78 | 22.95 | 19.95 | 30.00 | Pass |
| 15KHz | 20MHz | LCH | DFT-QPSK | 23.10 | 23.09 | 22.96 | 20.10 | 30.00 | Pass |
| 15KHz | 20MHz | LCH | DFT-16QAM | 21.77 | 21.81 | 21.96 | 18.96 | 30.00 | Pass |
| 15KHz | 20MHz | LCH | DFT-64QAM | 20.60 | 20.68 | 20.50 | 17.68 | 30.00 | Pass |
| 15KHz | 20MHz | LCH | DFT-256QAM | 18.72 | 18.58 | 18.51 | 15.72 | 30.00 | Pass |

| | | | | | | | | | |
|-------|-------|-----|-------------|-------|-------|-------|-------|-------|------|
| 15KHz | 20MHz | LCH | CP-QPSK | 21.63 | 21.56 | 21.55 | 18.63 | 30.00 | Pass |
| 15KHz | 20MHz | MCH | DFT-Pi2BPSK | 22.94 | 23.05 | 23.12 | 20.12 | 30.00 | Pass |
| 15KHz | 20MHz | MCH | DFT-QPSK | 23.20 | 23.28 | 23.16 | 20.28 | 30.00 | Pass |
| 15KHz | 20MHz | MCH | DFT-16QAM | 21.83 | 22.01 | 22.12 | 19.12 | 30.00 | Pass |
| 15KHz | 20MHz | MCH | DFT-64QAM | 20.85 | 20.88 | 20.68 | 17.88 | 30.00 | Pass |
| 15KHz | 20MHz | MCH | DFT-256QAM | 18.68 | 18.81 | 18.59 | 15.81 | 30.00 | Pass |
| 15KHz | 20MHz | MCH | CP-QPSK | 21.70 | 21.81 | 21.63 | 18.81 | 30.00 | Pass |
| 15KHz | 20MHz | HCH | DFT-Pi2BPSK | 22.77 | 22.63 | 22.86 | 19.86 | 30.00 | Pass |
| 15KHz | 20MHz | HCH | DFT-QPSK | 22.98 | 22.87 | 22.83 | 19.98 | 30.00 | Pass |
| 15KHz | 20MHz | HCH | DFT-16QAM | 21.62 | 21.90 | 21.93 | 18.93 | 30.00 | Pass |
| 15KHz | 20MHz | HCH | DFT-64QAM | 20.55 | 20.45 | 20.40 | 17.55 | 30.00 | Pass |
| 15KHz | 20MHz | HCH | DFT-256QAM | 18.49 | 18.34 | 18.37 | 15.49 | 30.00 | Pass |
| 15KHz | 20MHz | HCH | CP-QPSK | 21.44 | 21.33 | 21.40 | 18.44 | 30.00 | Pass |
| 15KHz | 25MHz | LCH | DFT-Pi2BPSK | 22.78 | 22.80 | 22.79 | 19.80 | 30.00 | Pass |
| 15KHz | 25MHz | LCH | DFT-QPSK | 23.01 | 22.99 | 22.77 | 20.01 | 30.00 | Pass |
| 15KHz | 25MHz | LCH | DFT-16QAM | 21.65 | 21.58 | 21.74 | 18.74 | 30.00 | Pass |
| 15KHz | 25MHz | LCH | DFT-64QAM | 20.56 | 20.51 | 20.30 | 17.56 | 30.00 | Pass |
| 15KHz | 25MHz | LCH | DFT-256QAM | 18.45 | 18.45 | 18.29 | 15.45 | 30.00 | Pass |
| 15KHz | 25MHz | LCH | CP-QPSK | 21.52 | 21.41 | 21.34 | 18.52 | 30.00 | Pass |
| 15KHz | 25MHz | MCH | DFT-Pi2BPSK | 22.88 | 23.04 | 22.91 | 20.04 | 30.00 | Pass |
| 15KHz | 25MHz | MCH | DFT-QPSK | 23.10 | 23.23 | 22.89 | 20.23 | 30.00 | Pass |
| 15KHz | 25MHz | MCH | DFT-16QAM | 21.66 | 21.83 | 21.92 | 18.92 | 30.00 | Pass |
| 15KHz | 25MHz | MCH | DFT-64QAM | 20.65 | 20.82 | 20.46 | 17.82 | 30.00 | Pass |
| 15KHz | 25MHz | MCH | DFT-256QAM | 18.57 | 18.69 | 18.48 | 15.69 | 30.00 | Pass |
| 15KHz | 25MHz | MCH | CP-QPSK | 21.56 | 21.65 | 21.53 | 18.65 | 30.00 | Pass |
| 15KHz | 25MHz | HCH | DFT-Pi2BPSK | 22.70 | 22.50 | 22.65 | 19.70 | 30.00 | Pass |
| 15KHz | 25MHz | HCH | DFT-QPSK | 22.88 | 22.74 | 22.75 | 19.88 | 30.00 | Pass |
| 15KHz | 25MHz | HCH | DFT-16QAM | 21.43 | 21.41 | 21.77 | 18.77 | 30.00 | Pass |
| 15KHz | 25MHz | HCH | DFT-64QAM | 20.47 | 20.29 | 20.24 | 17.47 | 30.00 | Pass |
| 15KHz | 25MHz | HCH | DFT-256QAM | 18.42 | 18.23 | 18.22 | 15.42 | 30.00 | Pass |
| 15KHz | 25MHz | HCH | CP-QPSK | 21.33 | 21.29 | 21.30 | 18.33 | 30.00 | Pass |
| 15KHz | 30MHz | LCH | DFT-Pi2BPSK | 22.78 | 22.76 | 22.89 | 19.89 | 30.00 | Pass |
| 15KHz | 30MHz | LCH | DFT-QPSK | 23.00 | 22.94 | 22.81 | 20.00 | 30.00 | Pass |
| 15KHz | 30MHz | LCH | DFT-16QAM | 21.60 | 21.72 | 21.85 | 18.85 | 30.00 | Pass |
| 15KHz | 30MHz | LCH | DFT-64QAM | 20.57 | 20.56 | 20.41 | 17.57 | 30.00 | Pass |
| 15KHz | 30MHz | LCH | DFT-256QAM | 18.52 | 18.50 | 18.44 | 15.52 | 30.00 | Pass |
| 15KHz | 30MHz | LCH | CP-QPSK | 21.55 | 21.45 | 21.40 | 18.55 | 30.00 | Pass |
| 15KHz | 30MHz | MCH | DFT-Pi2BPSK | 22.80 | 23.09 | 23.06 | 20.09 | 30.00 | Pass |
| 15KHz | 30MHz | MCH | DFT-QPSK | 23.06 | 23.20 | 23.00 | 20.20 | 30.00 | Pass |
| 15KHz | 30MHz | MCH | DFT-16QAM | 21.74 | 21.81 | 21.98 | 18.98 | 30.00 | Pass |
| 15KHz | 30MHz | MCH | DFT-64QAM | 20.64 | 20.85 | 20.49 | 17.85 | 30.00 | Pass |
| 15KHz | 30MHz | MCH | DFT-256QAM | 18.52 | 18.89 | 18.54 | 15.89 | 30.00 | Pass |
| 15KHz | 30MHz | MCH | CP-QPSK | 21.54 | 21.67 | 21.49 | 18.67 | 30.00 | Pass |
| 15KHz | 30MHz | HCH | DFT-Pi2BPSK | 22.72 | 22.64 | 22.83 | 19.83 | 30.00 | Pass |
| 15KHz | 30MHz | HCH | DFT-QPSK | 22.88 | 22.75 | 22.83 | 19.88 | 30.00 | Pass |
| 15KHz | 30MHz | HCH | DFT-16QAM | 21.54 | 21.36 | 21.87 | 18.87 | 30.00 | Pass |
| 15KHz | 30MHz | HCH | DFT-64QAM | 20.49 | 20.42 | 20.37 | 17.49 | 30.00 | Pass |
| 15KHz | 30MHz | HCH | DFT-256QAM | 18.39 | 18.35 | 18.31 | 15.39 | 30.00 | Pass |
| 15KHz | 30MHz | HCH | CP-QPSK | 21.33 | 21.26 | 21.30 | 18.33 | 30.00 | Pass |
| 15KHz | 40MHz | LCH | DFT-Pi2BPSK | 22.79 | 22.92 | 22.82 | 19.92 | 30.00 | Pass |
| 15KHz | 40MHz | LCH | DFT-QPSK | 23.02 | 23.13 | 22.86 | 20.13 | 30.00 | Pass |
| 15KHz | 40MHz | LCH | DFT-16QAM | 21.66 | 21.79 | 21.83 | 18.83 | 30.00 | Pass |
| 15KHz | 40MHz | LCH | DFT-64QAM | 20.56 | 20.67 | 20.32 | 17.67 | 30.00 | Pass |
| 15KHz | 40MHz | LCH | DFT-256QAM | 18.53 | 18.75 | 18.29 | 15.75 | 30.00 | Pass |
| 15KHz | 40MHz | LCH | CP-QPSK | 21.57 | 21.68 | 21.30 | 18.68 | 30.00 | Pass |
| 15KHz | 40MHz | MCH | DFT-Pi2BPSK | 22.84 | 22.98 | 23.04 | 20.04 | 30.00 | Pass |
| 15KHz | 40MHz | MCH | DFT-QPSK | 23.08 | 23.26 | 22.99 | 20.26 | 30.00 | Pass |
| 15KHz | 40MHz | MCH | DFT-16QAM | 21.61 | 21.87 | 22.08 | 19.08 | 30.00 | Pass |
| 15KHz | 40MHz | MCH | DFT-64QAM | 20.57 | 20.83 | 20.42 | 17.83 | 30.00 | Pass |
| 15KHz | 40MHz | MCH | DFT-256QAM | 18.57 | 18.76 | 18.58 | 15.76 | 30.00 | Pass |
| 15KHz | 40MHz | MCH | CP-QPSK | 21.54 | 21.70 | 21.47 | 18.70 | 30.00 | Pass |
| 15KHz | 40MHz | HCH | DFT-Pi2BPSK | 22.66 | 22.68 | 22.92 | 19.92 | 30.00 | Pass |
| 15KHz | 40MHz | HCH | DFT-QPSK | 22.94 | 22.82 | 22.94 | 19.94 | 30.00 | Pass |
| 15KHz | 40MHz | HCH | DFT-16QAM | 21.47 | 21.48 | 21.87 | 18.87 | 30.00 | Pass |

| | | | | | | | | | |
|-------|-------|-----|-------------|-------|-------|-------|-------|-------|------|
| 15KHz | 40MHz | HCH | DFT-64QAM | 20.47 | 20.43 | 20.42 | 17.47 | 30.00 | Pass |
| 15KHz | 40MHz | HCH | DFT-256QAM | 18.40 | 18.34 | 18.46 | 15.46 | 30.00 | Pass |
| 15KHz | 40MHz | HCH | CP-QPSK | 21.46 | 21.36 | 21.36 | 18.46 | 30.00 | Pass |
| 30KHz | 10MHz | LCH | DFT-Pi2BPSK | 22.84 | 22.87 | 23.01 | 20.01 | 30.00 | Pass |
| 30KHz | 10MHz | LCH | DFT-QPSK | 23.55 | 23.41 | 22.96 | 20.55 | 30.00 | Pass |
| 30KHz | 10MHz | LCH | DFT-16QAM | 22.05 | 22.02 | 21.92 | 19.05 | 30.00 | Pass |
| 30KHz | 10MHz | LCH | DFT-64QAM | 20.46 | 20.60 | 20.46 | 17.60 | 30.00 | Pass |
| 30KHz | 10MHz | LCH | DFT-256QAM | 18.50 | 18.42 | 18.45 | 15.50 | 30.00 | Pass |
| 30KHz | 10MHz | LCH | CP-QPSK | 21.48 | 21.36 | 21.37 | 18.48 | 30.00 | Pass |
| 30KHz | 10MHz | MCH | DFT-Pi2BPSK | 22.96 | 23.05 | 23.07 | 20.07 | 30.00 | Pass |
| 30KHz | 10MHz | MCH | DFT-QPSK | 23.67 | 23.70 | 22.98 | 20.70 | 30.00 | Pass |
| 30KHz | 10MHz | MCH | DFT-16QAM | 22.05 | 22.23 | 22.10 | 19.23 | 30.00 | Pass |
| 30KHz | 10MHz | MCH | DFT-64QAM | 20.56 | 20.81 | 20.52 | 17.81 | 30.00 | Pass |
| 30KHz | 10MHz | MCH | DFT-256QAM | 18.66 | 18.68 | 18.49 | 15.68 | 30.00 | Pass |
| 30KHz | 10MHz | MCH | CP-QPSK | 21.55 | 21.58 | 21.51 | 18.58 | 30.00 | Pass |
| 30KHz | 10MHz | HCH | DFT-Pi2BPSK | 22.67 | 22.57 | 22.67 | 19.67 | 30.00 | Pass |
| 30KHz | 10MHz | HCH | DFT-QPSK | 23.17 | 23.07 | 22.62 | 20.17 | 30.00 | Pass |
| 30KHz | 10MHz | HCH | DFT-16QAM | 21.61 | 21.82 | 21.66 | 18.82 | 30.00 | Pass |
| 30KHz | 10MHz | HCH | DFT-64QAM | 20.28 | 20.18 | 20.18 | 17.28 | 30.00 | Pass |
| 30KHz | 10MHz | HCH | DFT-256QAM | 18.24 | 18.19 | 18.15 | 15.24 | 30.00 | Pass |
| 30KHz | 10MHz | HCH | CP-QPSK | 21.17 | 21.08 | 21.06 | 18.17 | 30.00 | Pass |
| 30KHz | 15MHz | LCH | DFT-Pi2BPSK | 22.92 | 22.85 | 22.89 | 19.92 | 30.00 | Pass |
| 30KHz | 15MHz | LCH | DFT-QPSK | 23.46 | 23.37 | 22.95 | 20.46 | 30.00 | Pass |
| 30KHz | 15MHz | LCH | DFT-16QAM | 22.19 | 22.03 | 21.91 | 19.19 | 30.00 | Pass |
| 30KHz | 15MHz | LCH | DFT-64QAM | 20.55 | 20.45 | 20.46 | 17.55 | 30.00 | Pass |
| 30KHz | 15MHz | LCH | DFT-256QAM | 18.62 | 18.38 | 18.45 | 15.62 | 30.00 | Pass |
| 30KHz | 15MHz | LCH | CP-QPSK | 21.46 | 21.29 | 21.52 | 18.52 | 30.00 | Pass |
| 30KHz | 15MHz | MCH | DFT-Pi2BPSK | 22.93 | 23.15 | 23.00 | 20.15 | 30.00 | Pass |
| 30KHz | 15MHz | MCH | DFT-QPSK | 23.70 | 23.68 | 23.07 | 20.70 | 30.00 | Pass |
| 30KHz | 15MHz | MCH | DFT-16QAM | 22.07 | 22.25 | 22.09 | 19.25 | 30.00 | Pass |
| 30KHz | 15MHz | MCH | DFT-64QAM | 20.64 | 20.52 | 20.65 | 17.65 | 30.00 | Pass |
| 30KHz | 15MHz | MCH | DFT-256QAM | 18.65 | 18.62 | 18.76 | 15.76 | 30.00 | Pass |
| 30KHz | 15MHz | MCH | CP-QPSK | 21.56 | 21.57 | 21.56 | 18.57 | 30.00 | Pass |
| 30KHz | 15MHz | HCH | DFT-Pi2BPSK | 22.76 | 22.55 | 22.75 | 19.76 | 30.00 | Pass |
| 30KHz | 15MHz | HCH | DFT-QPSK | 23.23 | 23.16 | 22.75 | 20.23 | 30.00 | Pass |
| 30KHz | 15MHz | HCH | DFT-16QAM | 21.84 | 21.90 | 21.78 | 18.90 | 30.00 | Pass |
| 30KHz | 15MHz | HCH | DFT-64QAM | 20.57 | 20.41 | 20.22 | 17.57 | 30.00 | Pass |
| 30KHz | 15MHz | HCH | DFT-256QAM | 18.41 | 18.25 | 18.18 | 15.41 | 30.00 | Pass |
| 30KHz | 15MHz | HCH | CP-QPSK | 21.27 | 21.16 | 21.22 | 18.27 | 30.00 | Pass |
| 30KHz | 20MHz | LCH | DFT-Pi2BPSK | 22.88 | 22.90 | 22.89 | 19.90 | 30.00 | Pass |
| 30KHz | 20MHz | LCH | DFT-QPSK | 23.61 | 23.50 | 22.99 | 20.61 | 30.00 | Pass |
| 30KHz | 20MHz | LCH | DFT-16QAM | 22.02 | 22.03 | 21.90 | 19.03 | 30.00 | Pass |
| 30KHz | 20MHz | LCH | DFT-64QAM | 20.66 | 20.47 | 20.46 | 17.66 | 30.00 | Pass |
| 30KHz | 20MHz | LCH | DFT-256QAM | 18.63 | 18.46 | 18.41 | 15.63 | 30.00 | Pass |
| 30KHz | 20MHz | LCH | CP-QPSK | 21.53 | 21.30 | 21.54 | 18.54 | 30.00 | Pass |
| 30KHz | 20MHz | MCH | DFT-Pi2BPSK | 23.02 | 23.14 | 23.05 | 20.14 | 30.00 | Pass |
| 30KHz | 20MHz | MCH | DFT-QPSK | 23.65 | 23.68 | 23.06 | 20.68 | 30.00 | Pass |
| 30KHz | 20MHz | MCH | DFT-16QAM | 22.15 | 22.32 | 22.03 | 19.32 | 30.00 | Pass |
| 30KHz | 20MHz | MCH | DFT-64QAM | 20.75 | 20.96 | 20.56 | 17.96 | 30.00 | Pass |
| 30KHz | 20MHz | MCH | DFT-256QAM | 18.66 | 18.73 | 18.68 | 15.73 | 30.00 | Pass |
| 30KHz | 20MHz | MCH | CP-QPSK | 21.54 | 21.62 | 21.67 | 18.67 | 30.00 | Pass |
| 30KHz | 20MHz | HCH | DFT-Pi2BPSK | 22.79 | 22.66 | 22.86 | 19.86 | 30.00 | Pass |
| 30KHz | 20MHz | HCH | DFT-QPSK | 23.38 | 23.21 | 22.87 | 20.38 | 30.00 | Pass |
| 30KHz | 20MHz | HCH | DFT-16QAM | 21.97 | 21.73 | 21.91 | 18.97 | 30.00 | Pass |
| 30KHz | 20MHz | HCH | DFT-64QAM | 20.40 | 20.27 | 20.31 | 17.40 | 30.00 | Pass |
| 30KHz | 20MHz | HCH | DFT-256QAM | 18.31 | 18.19 | 18.34 | 15.34 | 30.00 | Pass |
| 30KHz | 20MHz | HCH | CP-QPSK | 21.26 | 21.13 | 21.35 | 18.35 | 30.00 | Pass |
| 30KHz | 25MHz | LCH | DFT-Pi2BPSK | 22.82 | 22.87 | 22.71 | 19.87 | 30.00 | Pass |
| 30KHz | 25MHz | LCH | DFT-QPSK | 23.23 | 23.34 | 22.71 | 20.34 | 30.00 | Pass |
| 30KHz | 25MHz | LCH | DFT-16QAM | 21.97 | 21.72 | 21.73 | 18.97 | 30.00 | Pass |
| 30KHz | 25MHz | LCH | DFT-64QAM | 20.25 | 20.17 | 20.33 | 17.33 | 30.00 | Pass |
| 30KHz | 25MHz | LCH | DFT-256QAM | 18.41 | 18.41 | 18.19 | 15.41 | 30.00 | Pass |
| 30KHz | 25MHz | LCH | CP-QPSK | 21.41 | 21.26 | 21.12 | 18.41 | 30.00 | Pass |
| 30KHz | 25MHz | MCH | DFT-Pi2BPSK | 22.95 | 23.08 | 22.91 | 20.08 | 30.00 | Pass |

| | | | | | | | | | |
|-------|-------|-----|-------------|-------|-------|-------|-------|-------|------|
| 30KHz | 25MHz | MCH | DFT-QPSK | 23.34 | 23.46 | 22.98 | 20.46 | 30.00 | Pass |
| 30KHz | 25MHz | MCH | DFT-16QAM | 22.07 | 22.37 | 21.95 | 19.37 | 30.00 | Pass |
| 30KHz | 25MHz | MCH | DFT-64QAM | 20.33 | 20.49 | 20.52 | 17.52 | 30.00 | Pass |
| 30KHz | 25MHz | MCH | DFT-256QAM | 18.42 | 18.71 | 18.37 | 15.71 | 30.00 | Pass |
| 30KHz | 25MHz | MCH | CP-QPSK | 21.43 | 21.64 | 21.45 | 18.64 | 30.00 | Pass |
| 30KHz | 25MHz | HCH | DFT-Pi2BPSK | 22.66 | 22.60 | 22.69 | 19.69 | 30.00 | Pass |
| 30KHz | 25MHz | HCH | DFT-QPSK | 23.05 | 23.01 | 22.70 | 20.05 | 30.00 | Pass |
| 30KHz | 25MHz | HCH | DFT-16QAM | 21.73 | 21.69 | 21.63 | 18.73 | 30.00 | Pass |
| 30KHz | 25MHz | HCH | DFT-64QAM | 20.35 | 20.22 | 20.15 | 17.35 | 30.00 | Pass |
| 30KHz | 25MHz | HCH | DFT-256QAM | 18.28 | 18.20 | 18.24 | 15.28 | 30.00 | Pass |
| 30KHz | 25MHz | HCH | CP-QPSK | 21.36 | 21.35 | 21.23 | 18.36 | 30.00 | Pass |
| 30KHz | 30MHz | LCH | DFT-Pi2BPSK | 22.71 | 22.82 | 22.86 | 19.86 | 30.00 | Pass |
| 30KHz | 30MHz | LCH | DFT-QPSK | 23.33 | 23.33 | 22.87 | 20.33 | 30.00 | Pass |
| 30KHz | 30MHz | LCH | DFT-16QAM | 21.98 | 21.83 | 21.86 | 18.98 | 30.00 | Pass |
| 30KHz | 30MHz | LCH | DFT-64QAM | 20.61 | 20.56 | 20.32 | 17.61 | 30.00 | Pass |
| 30KHz | 30MHz | LCH | DFT-256QAM | 18.50 | 18.43 | 18.37 | 15.50 | 30.00 | Pass |
| 30KHz | 30MHz | LCH | CP-QPSK | 21.26 | 21.34 | 21.36 | 18.36 | 30.00 | Pass |
| 30KHz | 30MHz | MCH | DFT-Pi2BPSK | 22.88 | 23.08 | 22.94 | 20.08 | 30.00 | Pass |
| 30KHz | 30MHz | MCH | DFT-QPSK | 23.46 | 23.65 | 22.97 | 20.65 | 30.00 | Pass |
| 30KHz | 30MHz | MCH | DFT-16QAM | 22.03 | 22.02 | 22.03 | 19.03 | 30.00 | Pass |
| 30KHz | 30MHz | MCH | DFT-64QAM | 20.71 | 20.80 | 20.55 | 17.80 | 30.00 | Pass |
| 30KHz | 30MHz | MCH | DFT-256QAM | 18.45 | 18.70 | 18.51 | 15.70 | 30.00 | Pass |
| 30KHz | 30MHz | MCH | CP-QPSK | 21.29 | 21.51 | 21.46 | 18.51 | 30.00 | Pass |
| 30KHz | 30MHz | HCH | DFT-Pi2BPSK | 22.67 | 22.59 | 22.88 | 19.88 | 30.00 | Pass |
| 30KHz | 30MHz | HCH | DFT-QPSK | 23.19 | 23.07 | 22.85 | 20.19 | 30.00 | Pass |
| 30KHz | 30MHz | HCH | DFT-16QAM | 21.78 | 21.73 | 21.81 | 18.81 | 30.00 | Pass |
| 30KHz | 30MHz | HCH | DFT-64QAM | 20.34 | 20.29 | 20.38 | 17.38 | 30.00 | Pass |
| 30KHz | 30MHz | HCH | DFT-256QAM | 18.24 | 18.24 | 18.34 | 15.34 | 30.00 | Pass |
| 30KHz | 30MHz | HCH | CP-QPSK | 21.21 | 21.14 | 21.32 | 18.32 | 30.00 | Pass |
| 30KHz | 40MHz | LCH | DFT-Pi2BPSK | 22.83 | 22.89 | 22.80 | 19.89 | 30.00 | Pass |
| 30KHz | 40MHz | LCH | DFT-QPSK | 23.31 | 23.38 | 22.79 | 20.38 | 30.00 | Pass |
| 30KHz | 40MHz | LCH | DFT-16QAM | 21.87 | 22.03 | 21.88 | 19.03 | 30.00 | Pass |
| 30KHz | 40MHz | LCH | DFT-64QAM | 20.48 | 20.55 | 20.40 | 17.55 | 30.00 | Pass |
| 30KHz | 40MHz | LCH | DFT-256QAM | 18.43 | 18.51 | 18.32 | 15.51 | 30.00 | Pass |
| 30KHz | 40MHz | LCH | CP-QPSK | 21.30 | 21.36 | 21.41 | 18.41 | 30.00 | Pass |
| 30KHz | 40MHz | MCH | DFT-Pi2BPSK | 22.87 | 22.99 | 22.96 | 19.99 | 30.00 | Pass |
| 30KHz | 40MHz | MCH | DFT-QPSK | 23.44 | 23.66 | 23.03 | 20.66 | 30.00 | Pass |
| 30KHz | 40MHz | MCH | DFT-16QAM | 22.02 | 22.16 | 21.98 | 19.16 | 30.00 | Pass |
| 30KHz | 40MHz | MCH | DFT-64QAM | 20.48 | 20.74 | 20.53 | 17.74 | 30.00 | Pass |
| 30KHz | 40MHz | MCH | DFT-256QAM | 18.44 | 18.63 | 18.48 | 15.63 | 30.00 | Pass |
| 30KHz | 40MHz | MCH | CP-QPSK | 21.35 | 21.49 | 21.47 | 18.49 | 30.00 | Pass |
| 30KHz | 40MHz | HCH | DFT-Pi2BPSK | 22.74 | 22.68 | 22.92 | 19.92 | 30.00 | Pass |
| 30KHz | 40MHz | HCH | DFT-QPSK | 23.19 | 23.29 | 22.87 | 20.29 | 30.00 | Pass |
| 30KHz | 40MHz | HCH | DFT-16QAM | 21.92 | 21.86 | 21.93 | 18.93 | 30.00 | Pass |
| 30KHz | 40MHz | HCH | DFT-64QAM | 20.42 | 20.53 | 20.37 | 17.53 | 30.00 | Pass |
| 30KHz | 40MHz | HCH | DFT-256QAM | 18.30 | 18.37 | 18.43 | 15.43 | 30.00 | Pass |
| 30KHz | 40MHz | HCH | CP-QPSK | 21.20 | 21.11 | 21.38 | 18.38 | 30.00 | Pass |

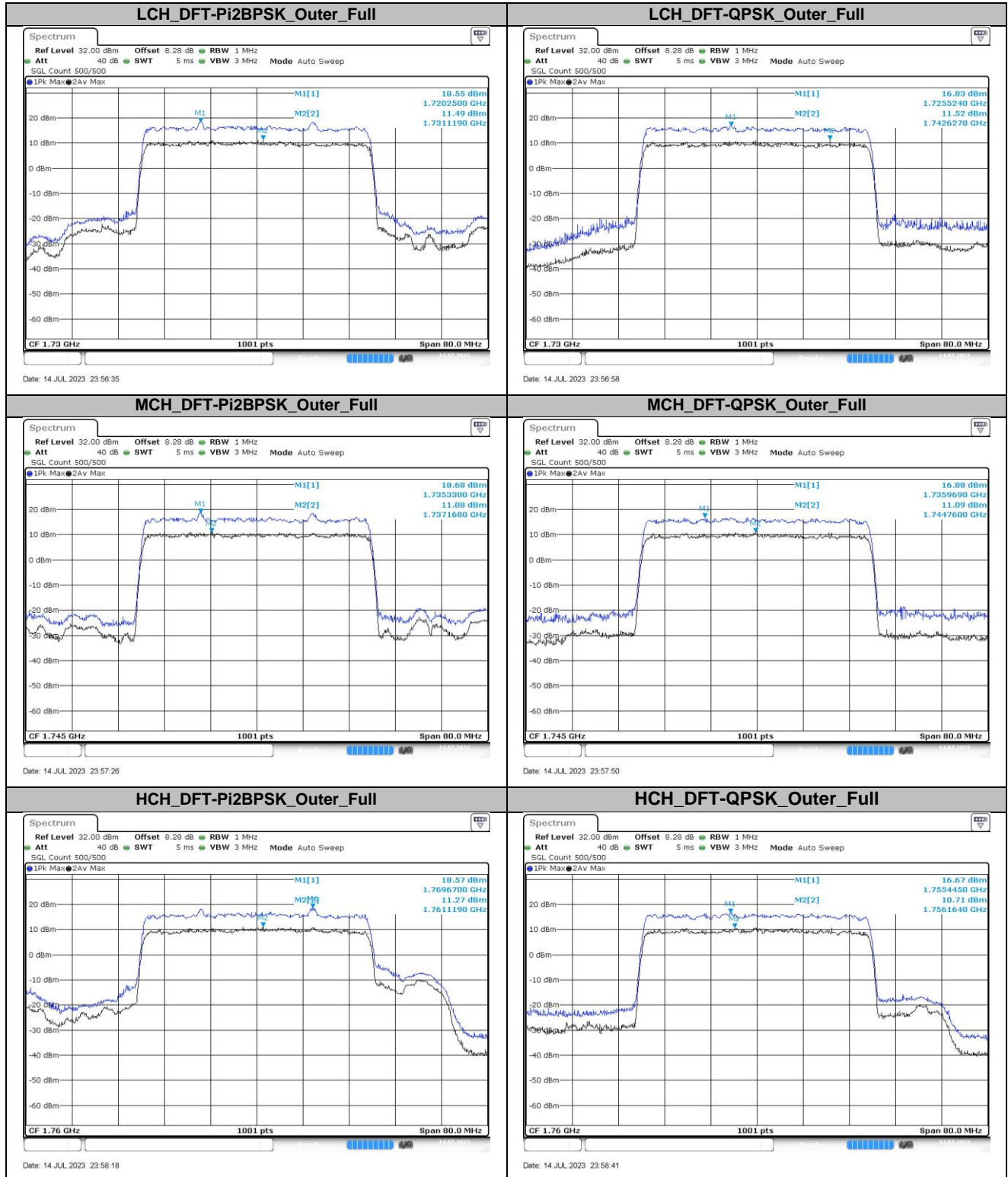
2. Peak-to-Average Ratio

2.1. Test Results

| SCS | Bandwidth | Channel | Modulation | Result (dB) | | Limit (dB) | Verdict |
|-------|-----------|---------|------------|-------------|----------|------------|---------|
| | | | | DFT-Pi2BPSK | DFT-QPSK | | |
| 15KHz | 40MHz | LCH | DFT-QPSK | 7.06 | 5.31 | 13.00 | Pass |
| 15KHz | 40MHz | MCH | DFT-QPSK | 7.61 | 5.79 | 13.00 | Pass |
| 15KHz | 40MHz | HCH | DFT-QPSK | 7.30 | 5.96 | 13.00 | Pass |

2.2. Test Plots

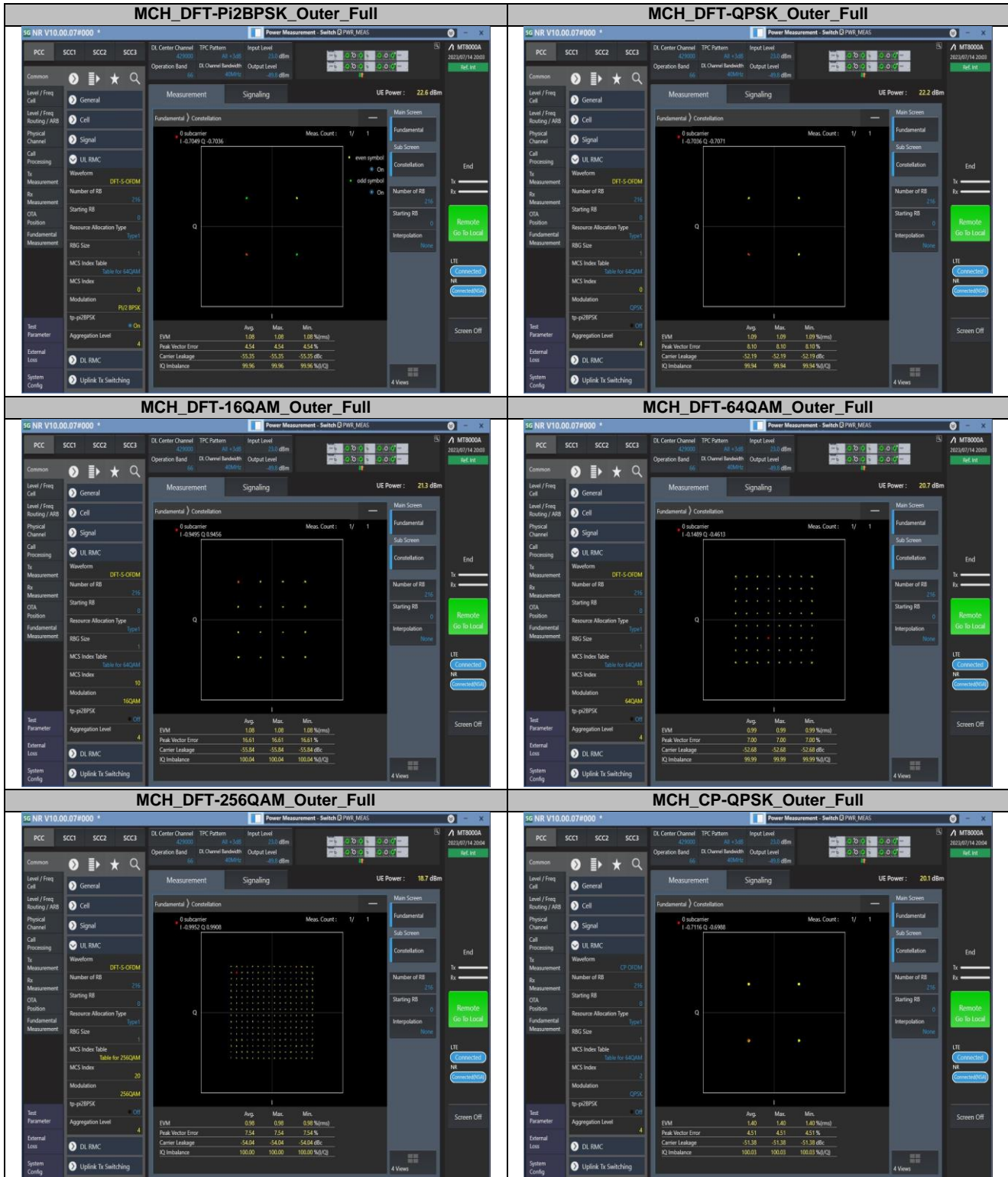
2.2.1. Bandwidth:40MHz

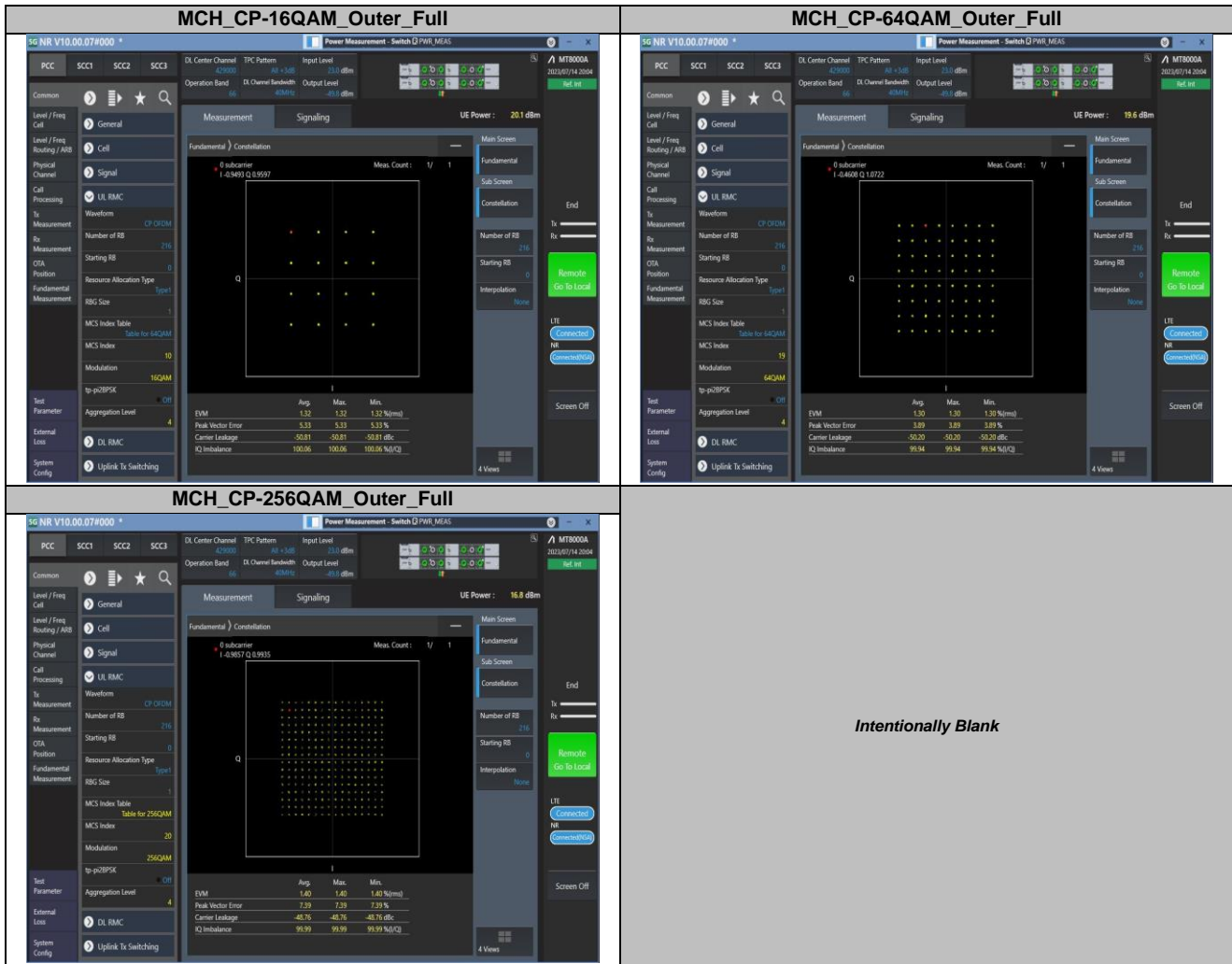


3. Modulation Characteristics

3.1. Test Plots

3.1.1. Bandwidth:40MHz





Intentionally Blank

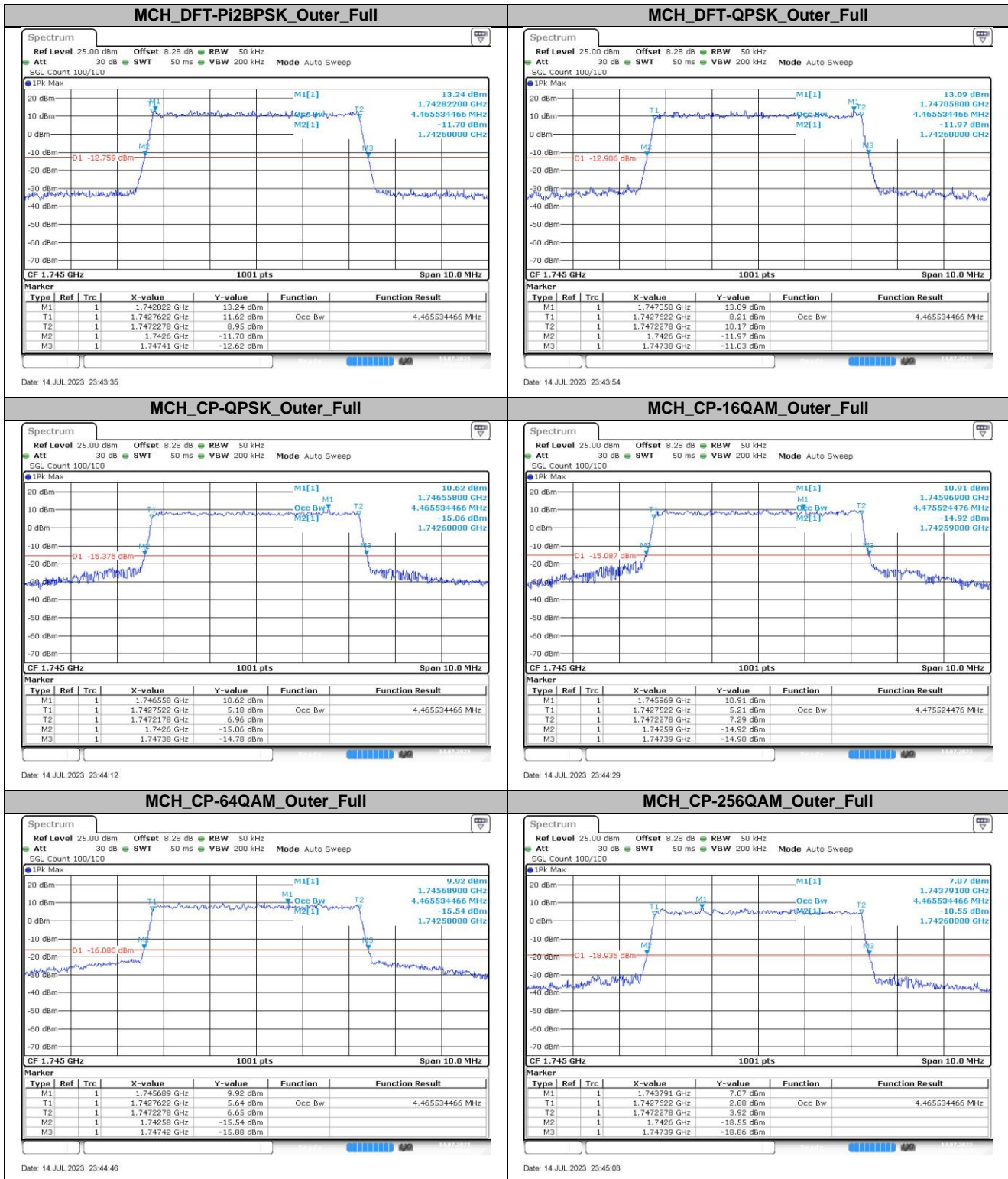
4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

4.1. Test Results

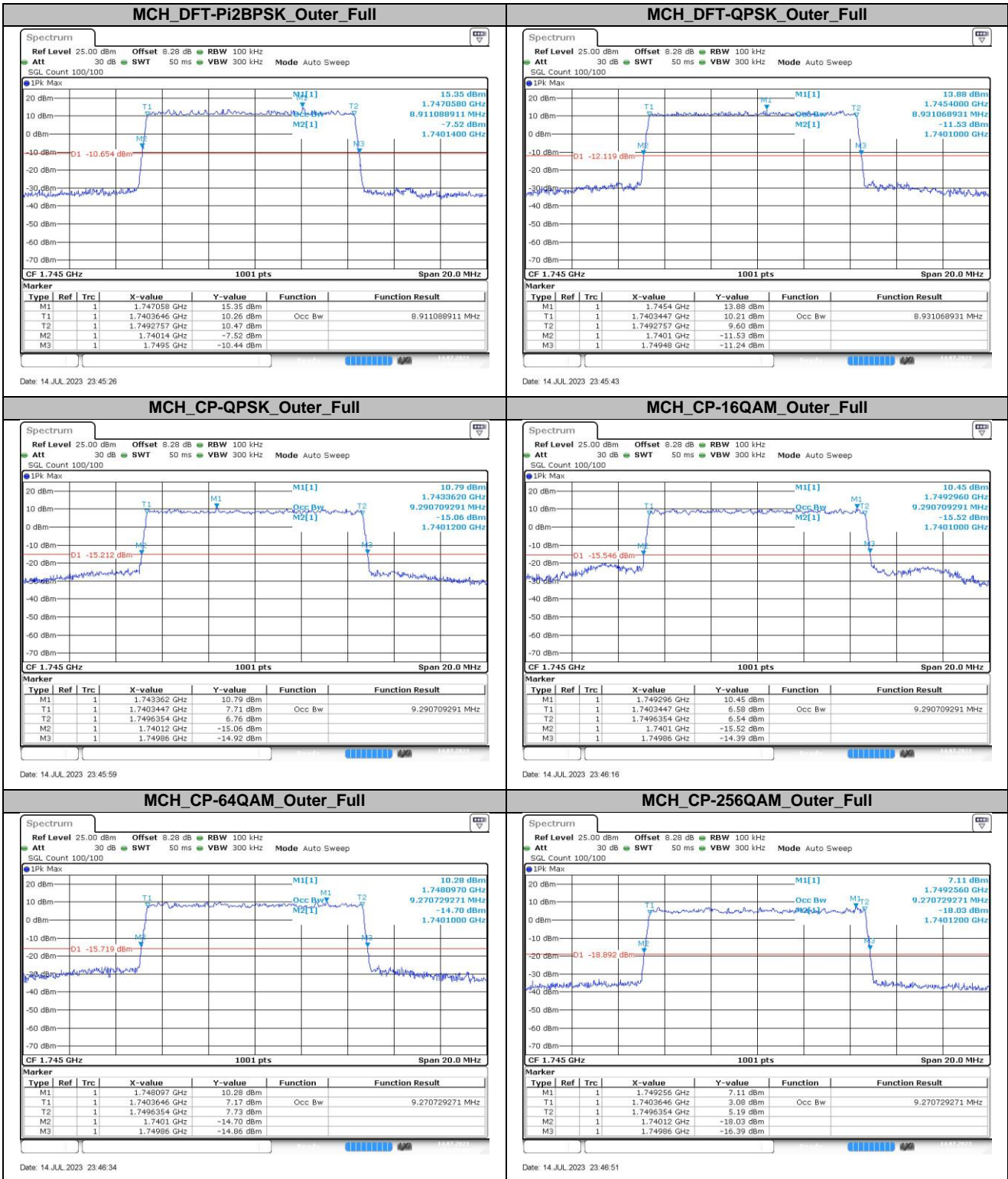
| SCS | Bandwidth | Modulation | RB Config | 99% Occupied Bandwidth (MHz) | 26dB Emission Bandwidth (MHz) | Verdict |
|-------|-----------|-------------|------------|------------------------------|-------------------------------|---------|
| 15KHz | 5MHz | DFT-Pi2BPSK | Outer_Full | 4.47 | 4.81 | Pass |
| 15KHz | 5MHz | DFT-QPSK | Outer_Full | 4.47 | 4.78 | Pass |
| 15KHz | 5MHz | CP-QPSK | Outer_Full | 4.47 | 4.78 | Pass |
| 15KHz | 5MHz | CP-16QAM | Outer_Full | 4.48 | 4.80 | Pass |
| 15KHz | 5MHz | CP-64QAM | Outer_Full | 4.47 | 4.84 | Pass |
| 15KHz | 5MHz | CP-256QAM | Outer_Full | 4.47 | 4.79 | Pass |
| 15KHz | 10MHz | DFT-Pi2BPSK | Outer_Full | 8.91 | 9.36 | Pass |
| 15KHz | 10MHz | DFT-QPSK | Outer_Full | 8.93 | 9.38 | Pass |
| 15KHz | 10MHz | CP-QPSK | Outer_Full | 9.29 | 9.74 | Pass |
| 15KHz | 10MHz | CP-16QAM | Outer_Full | 9.29 | 9.76 | Pass |
| 15KHz | 10MHz | CP-64QAM | Outer_Full | 9.27 | 9.76 | Pass |
| 15KHz | 10MHz | CP-256QAM | Outer_Full | 9.27 | 9.74 | Pass |
| 15KHz | 15MHz | DFT-Pi2BPSK | Outer_Full | 13.40 | 14.10 | Pass |
| 15KHz | 15MHz | DFT-QPSK | Outer_Full | 13.43 | 14.16 | Pass |
| 15KHz | 15MHz | CP-QPSK | Outer_Full | 14.12 | 14.82 | Pass |
| 15KHz | 15MHz | CP-16QAM | Outer_Full | 14.12 | 14.85 | Pass |
| 15KHz | 15MHz | CP-64QAM | Outer_Full | 14.12 | 14.79 | Pass |
| 15KHz | 15MHz | CP-256QAM | Outer_Full | 14.09 | 14.82 | Pass |
| 15KHz | 20MHz | DFT-Pi2BPSK | Outer_Full | 17.82 | 18.60 | Pass |
| 15KHz | 20MHz | DFT-QPSK | Outer_Full | 17.82 | 18.64 | Pass |
| 15KHz | 20MHz | CP-QPSK | Outer_Full | 18.94 | 19.76 | Pass |
| 15KHz | 20MHz | CP-16QAM | Outer_Full | 18.94 | 19.72 | Pass |
| 15KHz | 20MHz | CP-64QAM | Outer_Full | 18.90 | 19.72 | Pass |
| 15KHz | 20MHz | CP-256QAM | Outer_Full | 18.90 | 19.72 | Pass |
| 15KHz | 25MHz | DFT-Pi2BPSK | Outer_Full | 22.88 | 23.85 | Pass |
| 15KHz | 25MHz | DFT-QPSK | Outer_Full | 22.83 | 23.80 | Pass |
| 15KHz | 25MHz | CP-QPSK | Outer_Full | 23.73 | 24.70 | Pass |
| 15KHz | 25MHz | CP-16QAM | Outer_Full | 23.78 | 24.75 | Pass |
| 15KHz | 25MHz | CP-64QAM | Outer_Full | 23.73 | 24.75 | Pass |
| 15KHz | 25MHz | CP-256QAM | Outer_Full | 23.68 | 25.05 | Pass |
| 15KHz | 30MHz | DFT-Pi2BPSK | Outer_Full | 28.53 | 29.64 | Pass |
| 15KHz | 30MHz | DFT-QPSK | Outer_Full | 28.59 | 29.70 | Pass |
| 15KHz | 30MHz | CP-QPSK | Outer_Full | 28.53 | 29.82 | Pass |
| 15KHz | 30MHz | CP-16QAM | Outer_Full | 28.53 | 29.70 | Pass |
| 15KHz | 30MHz | CP-64QAM | Outer_Full | 28.53 | 29.70 | Pass |
| 15KHz | 30MHz | CP-256QAM | Outer_Full | 28.59 | 29.76 | Pass |
| 15KHz | 40MHz | DFT-Pi2BPSK | Outer_Full | 38.52 | 40.16 | Pass |
| 15KHz | 40MHz | DFT-QPSK | Outer_Full | 38.52 | 40.08 | Pass |
| 15KHz | 40MHz | CP-QPSK | Outer_Full | 38.52 | 40.16 | Pass |
| 15KHz | 40MHz | CP-16QAM | Outer_Full | 38.52 | 40.16 | Pass |
| 15KHz | 40MHz | CP-64QAM | Outer_Full | 38.44 | 40.24 | Pass |
| 15KHz | 40MHz | CP-256QAM | Outer_Full | 38.44 | 40.16 | Pass |

4.2. Test Plots

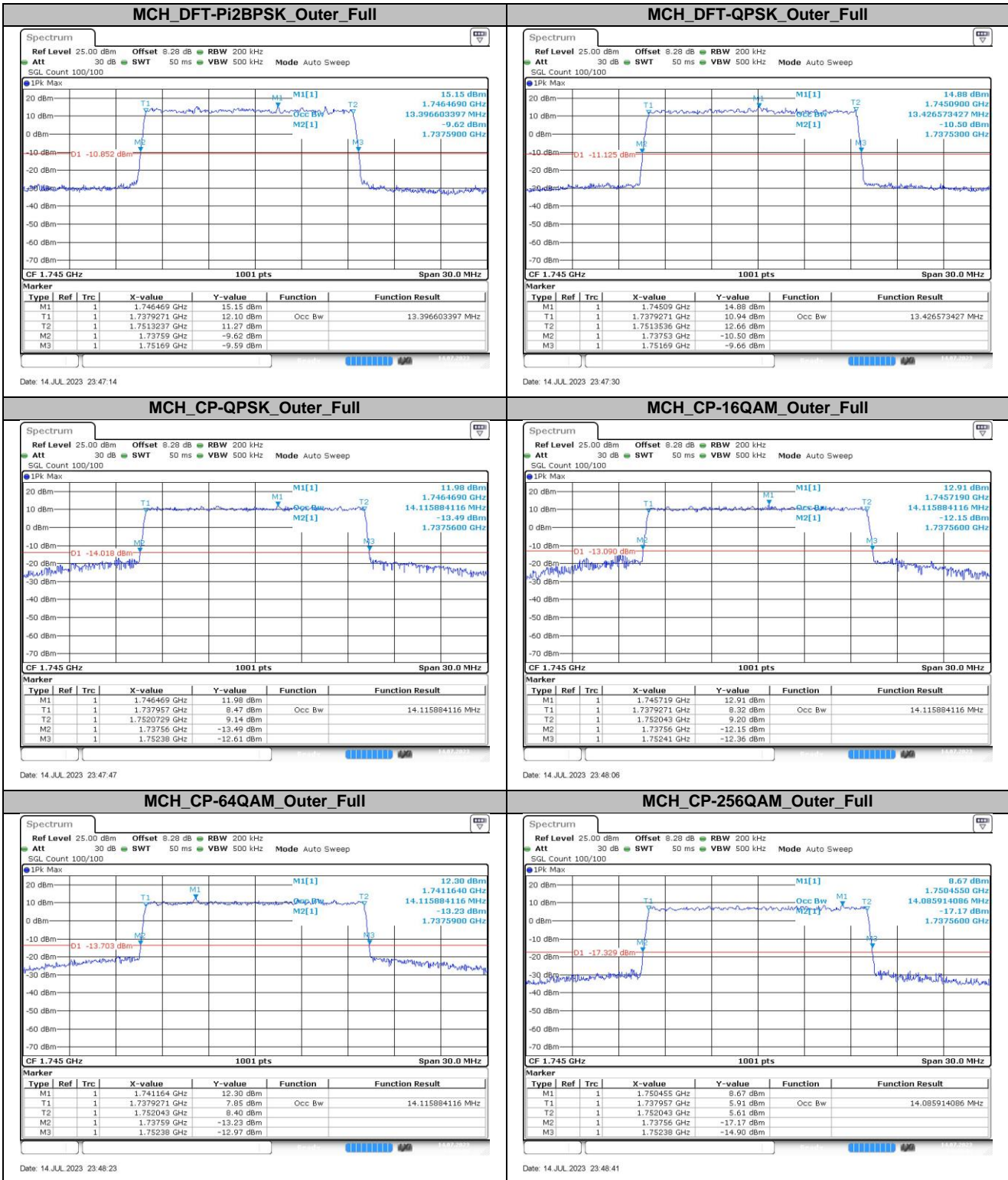
4.2.1. Bandwidth:5MHz



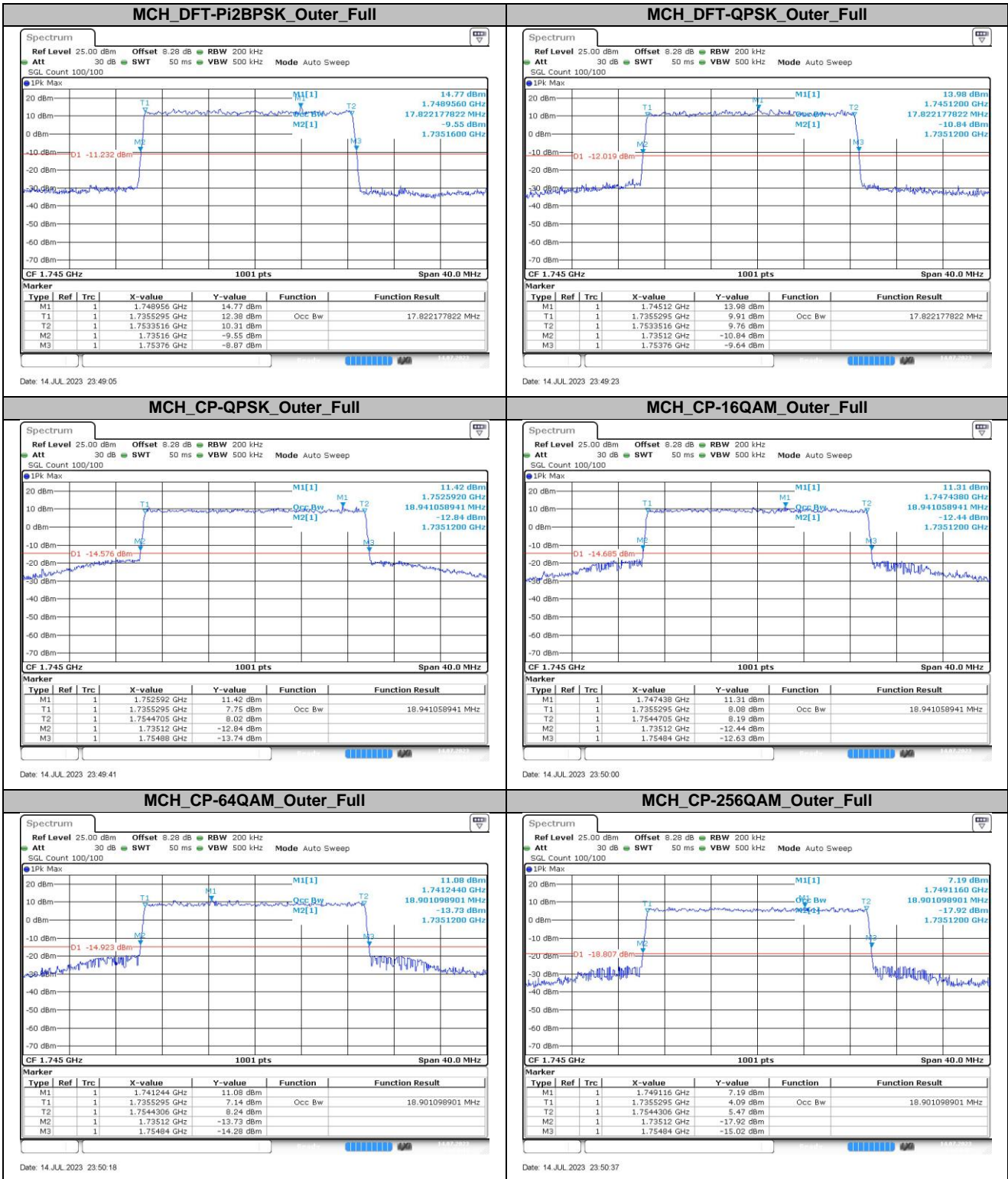
4.2.2. Bandwidth:10MHz



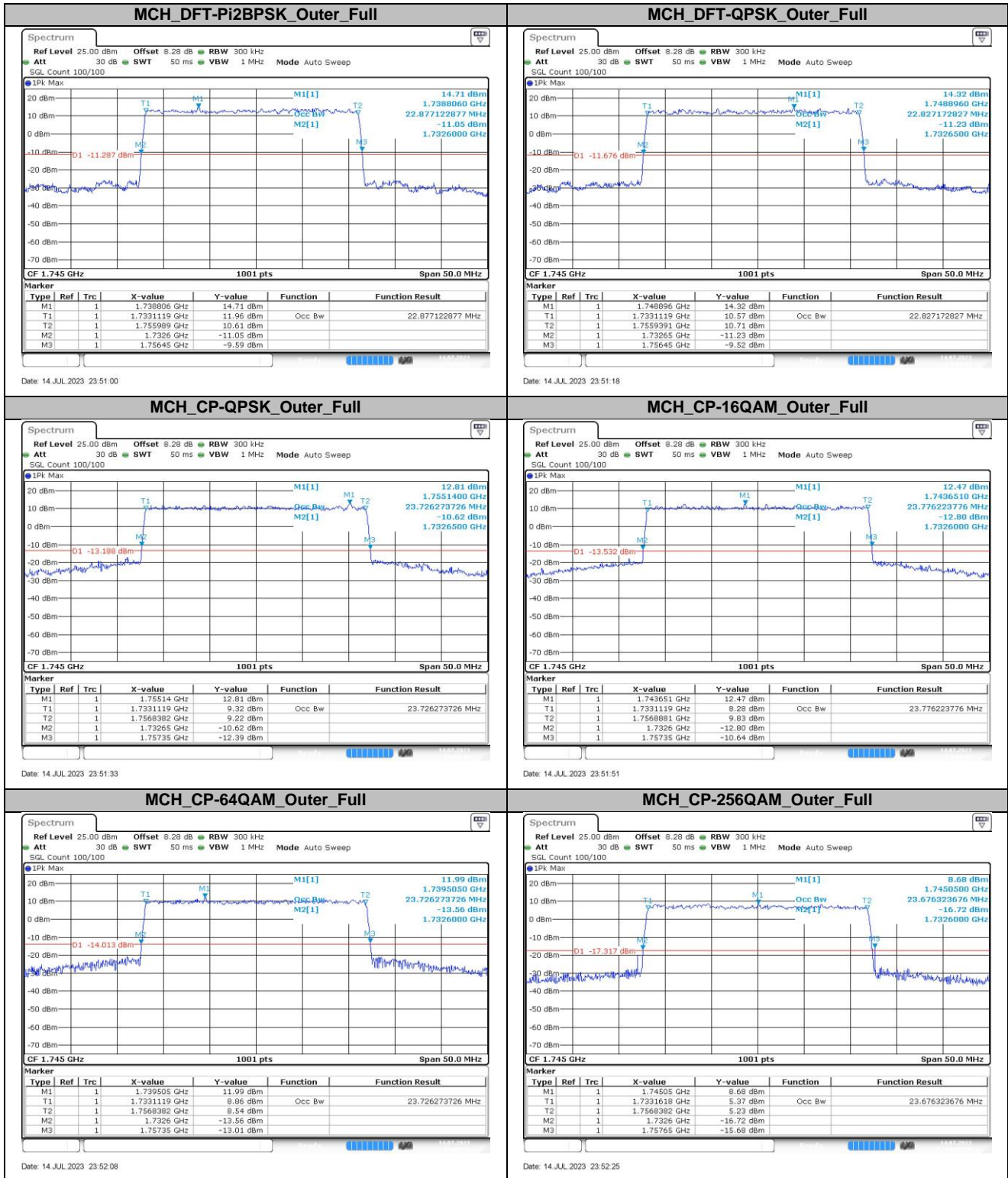
4.2.3. Bandwidth:15MHz



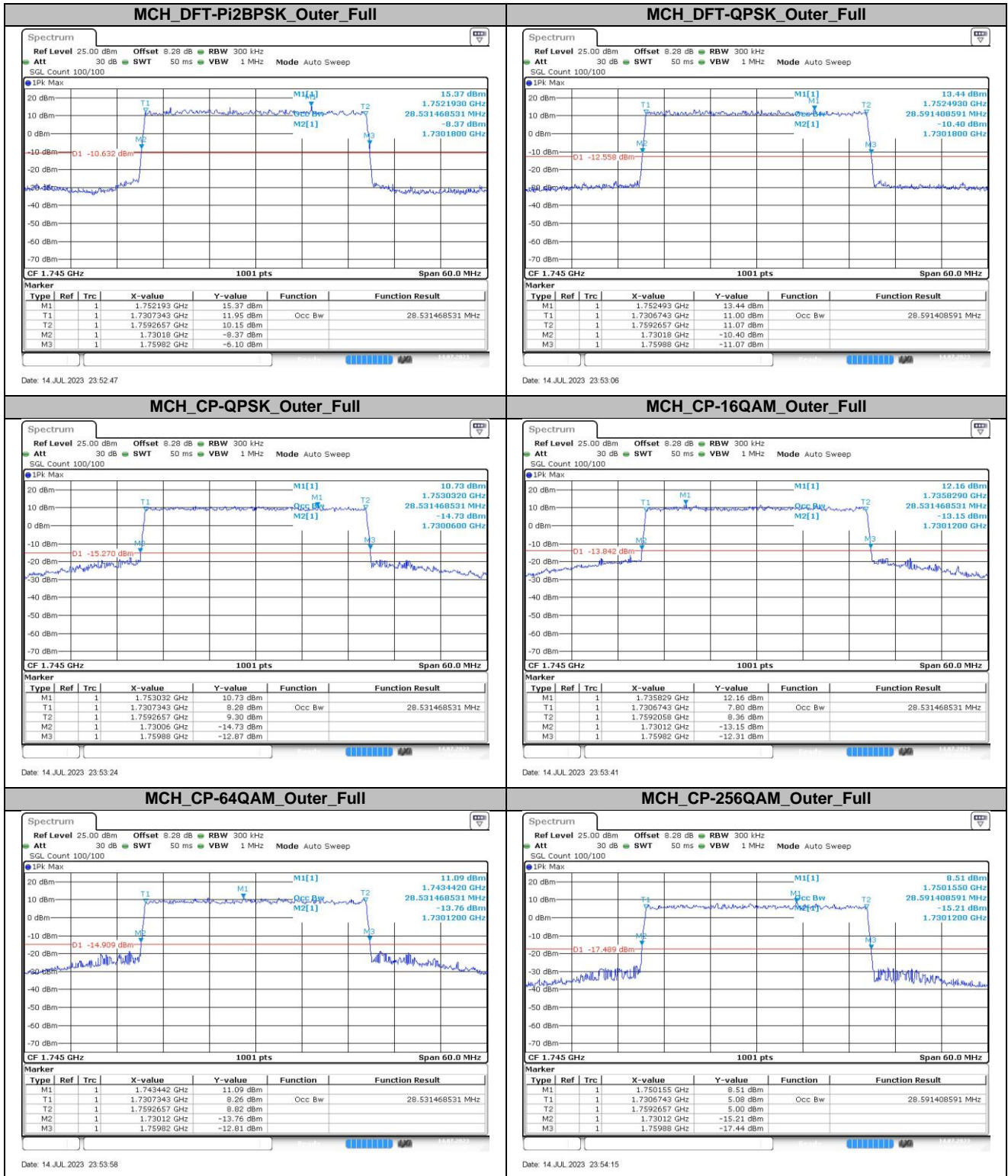
4.2.4. Bandwidth:20MHz



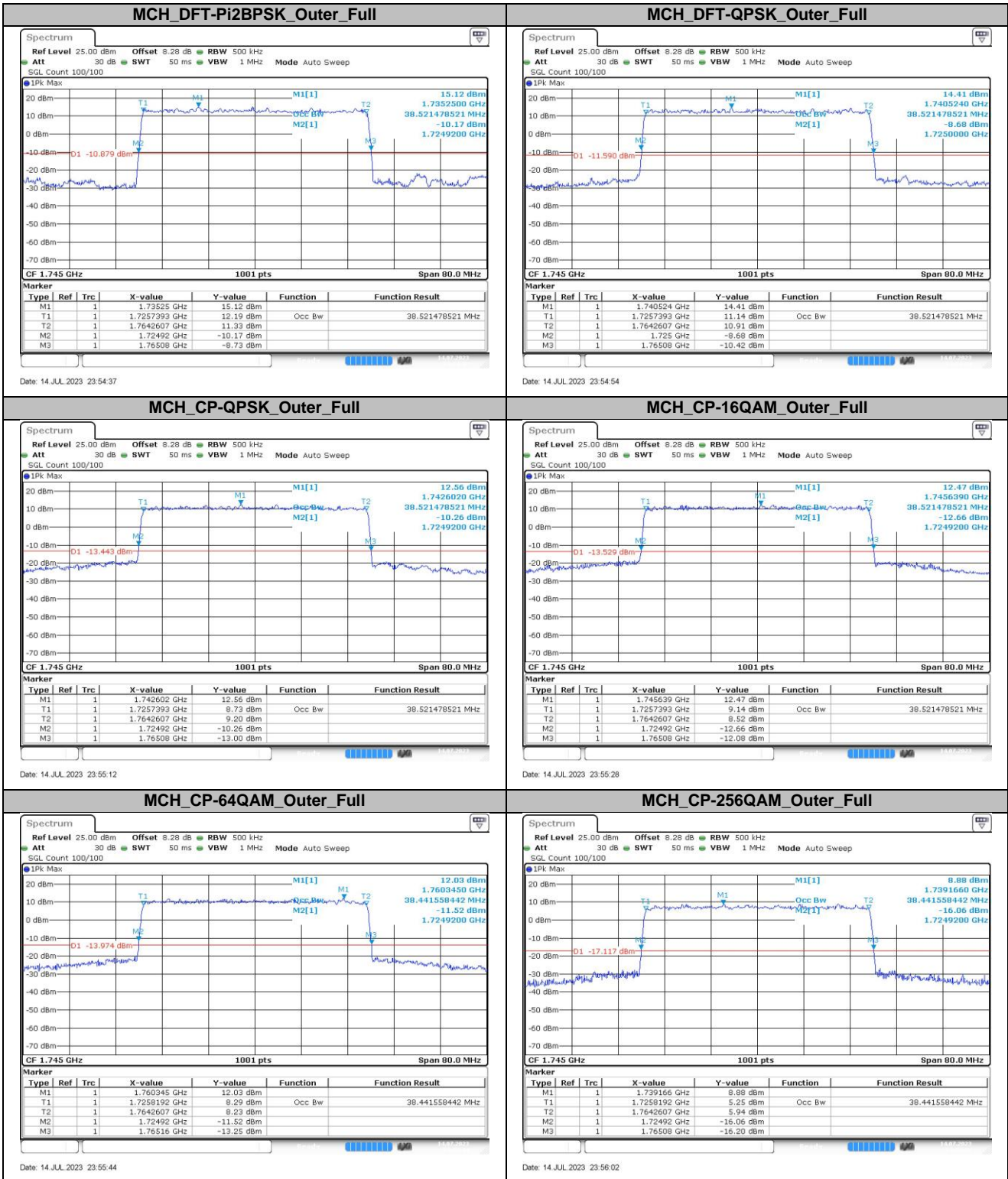
4.2.5. Bandwidth:25MHz



4.2.6. Bandwidth:30MHz



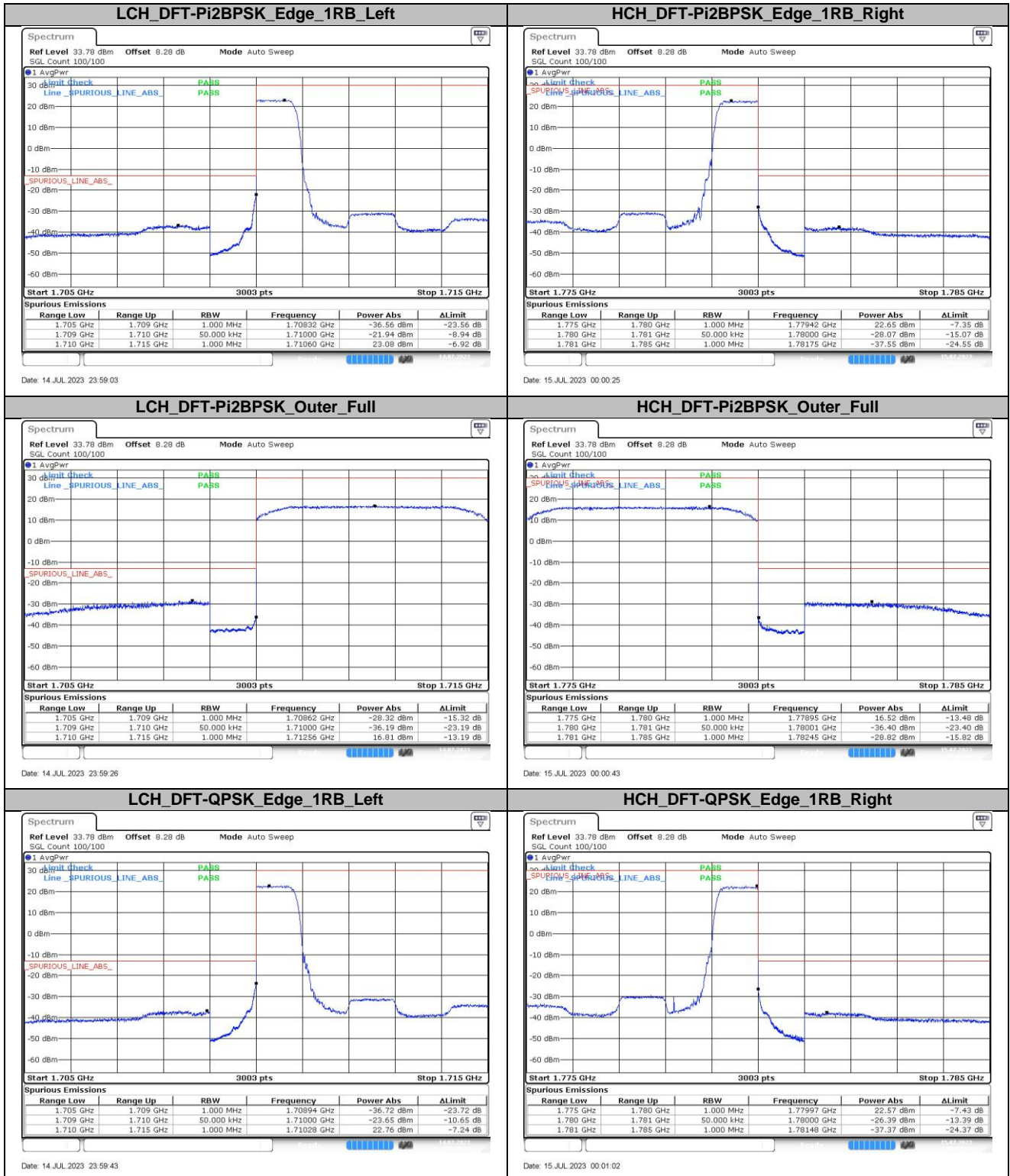
4.2.7. Bandwidth:40MHz

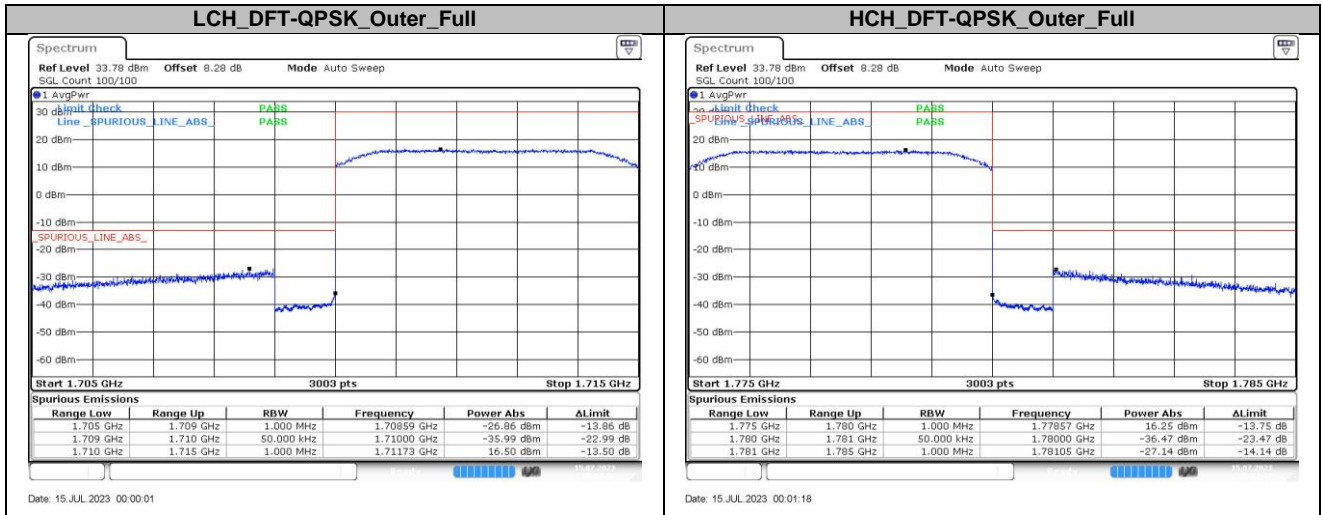


5. Conducted Band Edges

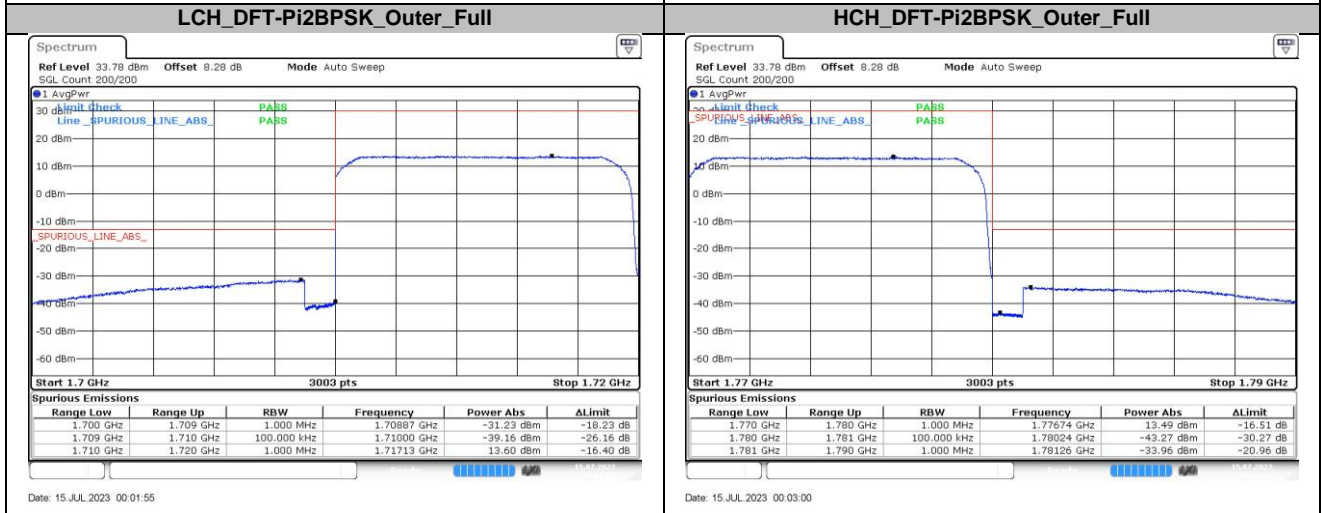
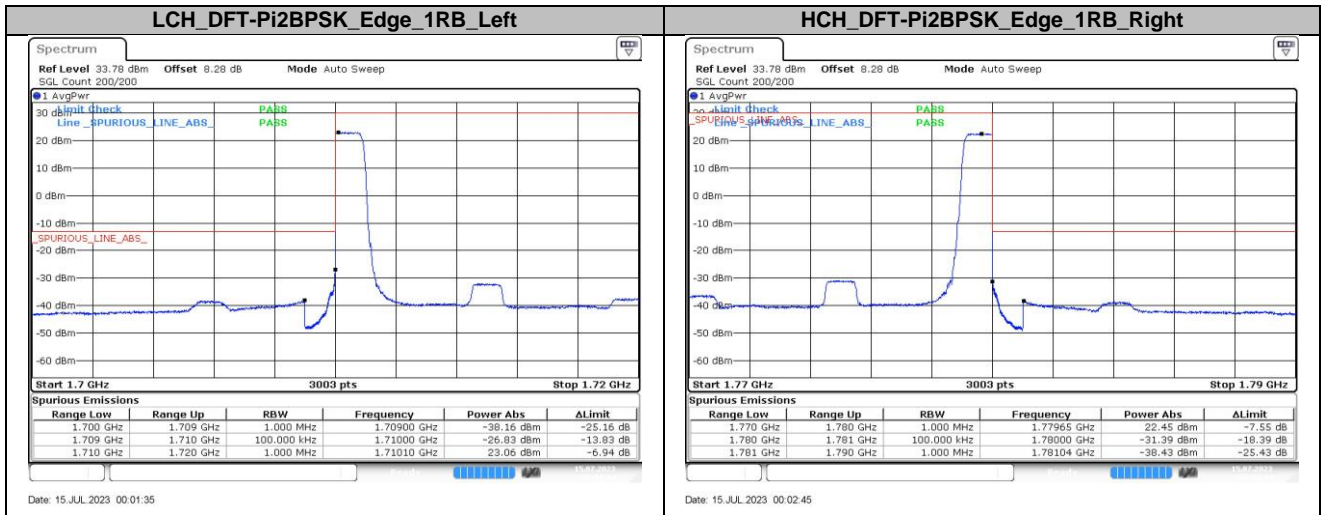
5.1. Test Plots

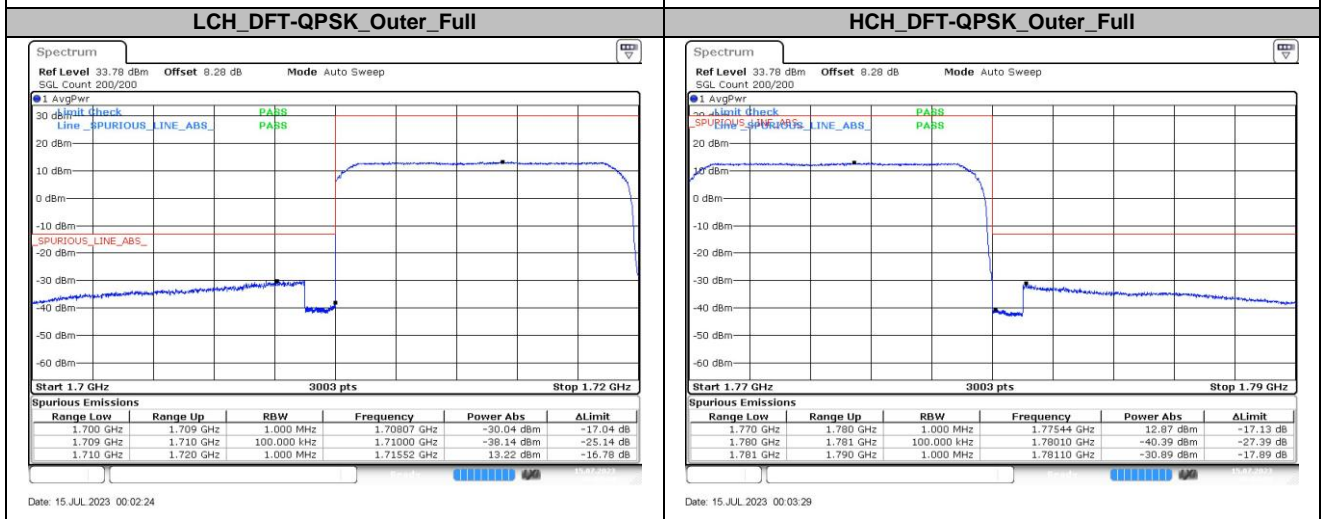
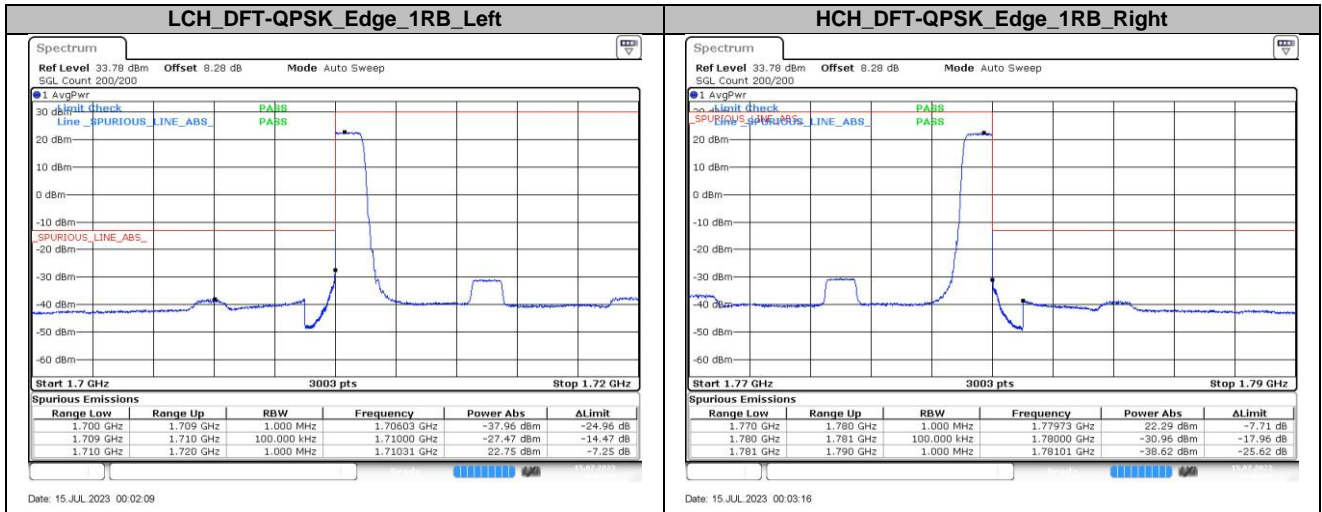
5.1.1. Bandwidth:5MHz





5.1.2. Bandwidth:10MHz





5.1.3. Bandwidth:15MHz

