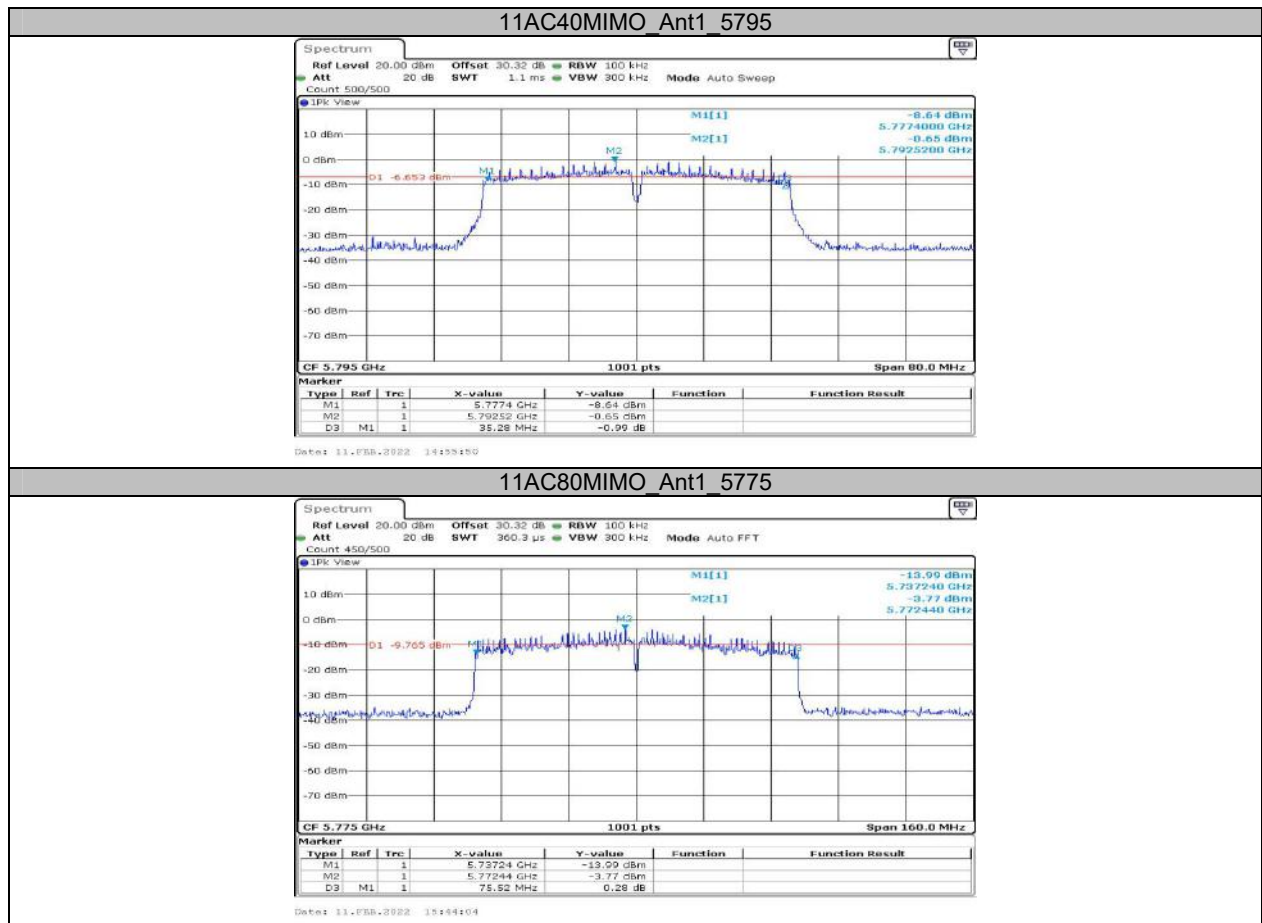




### Appendix B: Maximum conducted output power Test Result

| Test Mode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|-------------|------------|---------|
| 11A       | Ant1    | 5180    | 19.84       | ≤30        | PASS    |
|           | Ant2    | 5180    | 19.28       | ≤30        | PASS    |
|           | Ant3    | 5180    | 19.17       | ≤30        | PASS    |
|           | Ant4    | 5180    | 18.08       | ≤30        | PASS    |
|           | Ant1    | 5200    | 19.77       | ≤30        | PASS    |
|           | Ant2    | 5200    | 19.45       | ≤30        | PASS    |
|           | Ant3    | 5200    | 19.59       | ≤30        | PASS    |
|           | Ant4    | 5200    | 19.41       | ≤30        | PASS    |
|           | Ant1    | 5240    | 18.04       | ≤30        | PASS    |
|           | Ant2    | 5240    | 19.03       | ≤30        | PASS    |
|           | Ant3    | 5240    | 19.02       | ≤30        | PASS    |
|           | Ant4    | 5240    | 19.79       | ≤30        | PASS    |
|           | Ant1    | 5260    | 14.28       | ≤23.97     | PASS    |
|           | Ant2    | 5260    | 14.43       | ≤23.97     | PASS    |
|           | Ant3    | 5260    | 14.12       | ≤23.97     | PASS    |
|           | Ant4    | 5260    | 14.84       | ≤23.97     | PASS    |
|           | Ant1    | 5280    | 14.23       | ≤23.95     | PASS    |
|           | Ant2    | 5280    | 14.28       | ≤23.95     | PASS    |
|           | Ant3    | 5280    | 14.15       | ≤23.95     | PASS    |
|           | Ant4    | 5280    | 15.19       | ≤23.95     | PASS    |
|           | Ant1    | 5320    | 14.48       | ≤23.96     | PASS    |
|           | Ant2    | 5320    | 14.33       | ≤23.96     | PASS    |
|           | Ant3    | 5320    | 14.31       | ≤23.96     | PASS    |
|           | Ant4    | 5320    | 15.44       | ≤23.96     | PASS    |
|           | Ant1    | 5500    | 13.13       | ≤24.00     | PASS    |
|           | Ant2    | 5500    | 13.76       | ≤24.00     | PASS    |
|           | Ant3    | 5500    | 14.03       | ≤24.00     | PASS    |
|           | Ant4    | 5500    | 13.31       | ≤24.00     | PASS    |
|           | Ant1    | 5580    | 13.28       | ≤23.98     | PASS    |
|           | Ant2    | 5580    | 13.09       | ≤23.98     | PASS    |
|           | Ant3    | 5580    | 13.56       | ≤23.98     | PASS    |
|           | Ant4    | 5580    | 13.52       | ≤23.98     | PASS    |
|           | Ant1    | 5700    | 13.31       | ≤23.96     | PASS    |
|           | Ant2    | 5700    | 13.41       | ≤23.96     | PASS    |
|           | Ant3    | 5700    | 13.48       | ≤23.96     | PASS    |
|           | Ant4    | 5700    | 14.74       | ≤23.96     | PASS    |
|           | Ant1    | 5745    | 17.87       | ≤30        | PASS    |
|           | Ant2    | 5745    | 18.46       | ≤30        | PASS    |
|           | Ant3    | 5745    | 18.66       | ≤30        | PASS    |
|           | Ant4    | 5745    | 19.30       | ≤30        | PASS    |
|           | Ant1    | 5785    | 17.98       | ≤30        | PASS    |
|           | Ant2    | 5785    | 17.99       | ≤30        | PASS    |
|           | Ant3    | 5785    | 18.72       | ≤30        | PASS    |
|           | Ant4    | 5785    | 19.35       | ≤30        | PASS    |
|           | Ant1    | 5825    | 18.31       | ≤30        | PASS    |
|           | Ant2    | 5825    | 18.05       | ≤30        | PASS    |
|           | Ant3    | 5825    | 18.71       | ≤30        | PASS    |
|           | Ant4    | 5825    | 19.31       | ≤30        | PASS    |
| 11N20MIMO | Ant1    | 5180    | 11.86       | ≤25.5      | PASS    |
|           | Ant2    | 5180    | 11.04       | ≤25.5      | PASS    |
|           | Ant3    | 5180    | 11.95       | ≤25.5      | PASS    |
|           | Ant4    | 5180    | 12.06       | ≤25.5      | PASS    |
|           | total   | 5180    | 17.8        | ≤25.5      | PASS    |
|           | Ant1    | 5200    | 11.60       | ≤25.5      | PASS    |
|           | Ant2    | 5200    | 11.42       | ≤25.5      | PASS    |

|           |       |      |       |       |      |
|-----------|-------|------|-------|-------|------|
|           | Ant3  | 5200 | 11.89 | ≤25.5 | PASS |
|           | Ant4  | 5200 | 12.14 | ≤25.5 | PASS |
|           | total | 5200 | 17.8  | ≤25.5 | PASS |
|           | Ant1  | 5240 | 11.59 | ≤25.5 | PASS |
|           | Ant2  | 5240 | 11.34 | ≤25.5 | PASS |
|           | Ant3  | 5240 | 11.85 | ≤25.5 | PASS |
|           | Ant4  | 5240 | 12.66 | ≤25.5 | PASS |
|           | total | 5240 | 17.9  | ≤25.5 | PASS |
|           | Ant1  | 5260 | 6.27  | ≤19.5 | PASS |
|           | Ant2  | 5260 | 6.28  | ≤19.5 | PASS |
|           | Ant3  | 5260 | 6.51  | ≤19.5 | PASS |
|           | Ant4  | 5260 | 6.29  | ≤19.5 | PASS |
|           | total | 5260 | 12.4  | ≤19.5 | PASS |
|           | Ant1  | 5280 | 5.25  | ≤19.5 | PASS |
|           | Ant2  | 5280 | 5.61  | ≤19.5 | PASS |
|           | Ant3  | 5280 | 5.63  | ≤19.5 | PASS |
|           | Ant4  | 5280 | 6.63  | ≤19.5 | PASS |
|           | total | 5280 | 11.8  | ≤19.5 | PASS |
|           | Ant1  | 5320 | 5.90  | ≤19.5 | PASS |
|           | Ant2  | 5320 | 5.68  | ≤19.5 | PASS |
|           | Ant3  | 5320 | 5.96  | ≤19.5 | PASS |
|           | Ant4  | 5320 | 6.92  | ≤19.5 | PASS |
|           | total | 5320 | 12.2  | ≤19.5 | PASS |
|           | Ant1  | 5500 | 6.11  | ≤19.5 | PASS |
|           | Ant2  | 5500 | 5.81  | ≤19.5 | PASS |
|           | Ant3  | 5500 | 6.64  | ≤19.5 | PASS |
|           | Ant4  | 5500 | 5.74  | ≤19.5 | PASS |
|           | total | 5500 | 12.1  | ≤19.5 | PASS |
|           | Ant1  | 5580 | 5.69  | ≤19.5 | PASS |
|           | Ant2  | 5580 | 5.73  | ≤19.5 | PASS |
|           | Ant3  | 5580 | 6.15  | ≤19.5 | PASS |
|           | Ant4  | 5580 | 6.89  | ≤19.5 | PASS |
|           | total | 5580 | 12.2  | ≤19.5 | PASS |
|           | Ant1  | 5700 | 5.83  | ≤19.5 | PASS |
|           | Ant2  | 5700 | 5.69  | ≤19.5 | PASS |
|           | Ant3  | 5700 | 5.79  | ≤19.5 | PASS |
|           | Ant4  | 5700 | 6.46  | ≤19.5 | PASS |
|           | total | 5700 | 12.0  | ≤19.5 | PASS |
|           | Ant1  | 5745 | 16.97 | ≤25.5 | PASS |
|           | Ant2  | 5745 | 16.37 | ≤25.5 | PASS |
|           | Ant3  | 5745 | 16.85 | ≤25.5 | PASS |
|           | Ant4  | 5745 | 18.40 | ≤25.5 | PASS |
|           | total | 5745 | 23.2  | ≤25.5 | PASS |
|           | Ant1  | 5785 | 16.78 | ≤25.5 | PASS |
|           | Ant2  | 5785 | 16.95 | ≤25.5 | PASS |
|           | Ant3  | 5785 | 17.99 | ≤25.5 | PASS |
|           | Ant4  | 5785 | 18.37 | ≤25.5 | PASS |
|           | total | 5785 | 23.6  | ≤25.5 | PASS |
|           | Ant1  | 5825 | 17.38 | ≤25.5 | PASS |
|           | Ant2  | 5825 | 17.76 | ≤25.5 | PASS |
|           | Ant3  | 5825 | 17.83 | ≤25.5 | PASS |
|           | Ant4  | 5825 | 18.16 | ≤25.5 | PASS |
|           | total | 5825 | 23.8  | ≤25.5 | PASS |
| 11N40MIMO | Ant1  | 5190 | 13.13 | ≤25.5 | PASS |
|           | Ant2  | 5190 | 13.02 | ≤25.5 | PASS |
|           | Ant3  | 5190 | 13.80 | ≤25.5 | PASS |
|           | Ant4  | 5190 | 14.21 | ≤25.5 | PASS |
|           | total | 5190 | 19.6  | ≤25.5 | PASS |
|           | Ant1  | 5230 | 13.64 | ≤25.5 | PASS |
|           | Ant2  | 5230 | 13.88 | ≤25.5 | PASS |
|           | Ant3  | 5230 | 13.75 | ≤25.5 | PASS |

|            |       |      |       |       |      |
|------------|-------|------|-------|-------|------|
|            | Ant4  | 5230 | 14.52 | ≤25.5 | PASS |
|            | total | 5230 | 20.0  | ≤25.5 | PASS |
|            | Ant1  | 5270 | 6.07  | ≤19.5 | PASS |
|            | Ant2  | 5270 | 6.42  | ≤19.5 | PASS |
|            | Ant3  | 5270 | 6.25  | ≤19.5 | PASS |
|            | Ant4  | 5270 | 7.11  | ≤19.5 | PASS |
|            | total | 5270 | 12.50 | ≤19.5 | PASS |
|            | Ant1  | 5310 | 6.59  | ≤19.5 | PASS |
|            | Ant2  | 5310 | 6.16  | ≤19.5 | PASS |
|            | Ant3  | 5310 | 6.05  | ≤19.5 | PASS |
|            | Ant4  | 5310 | 6.98  | ≤19.5 | PASS |
|            | total | 5310 | 12.5  | ≤19.5 | PASS |
|            | Ant1  | 5510 | 8.08  | ≤19.5 | PASS |
|            | Ant2  | 5510 | 8.19  | ≤19.5 | PASS |
|            | Ant3  | 5510 | 9.24  | ≤19.5 | PASS |
|            | Ant4  | 5510 | 8.84  | ≤19.5 | PASS |
|            | total | 5510 | 14.6  | ≤19.5 | PASS |
|            | Ant1  | 5550 | 8.88  | ≤19.5 | PASS |
|            | Ant2  | 5550 | 8.24  | ≤19.5 | PASS |
|            | Ant3  | 5550 | 9.18  | ≤19.5 | PASS |
|            | Ant4  | 5550 | 8.80  | ≤19.5 | PASS |
|            | total | 5550 | 14.8  | ≤19.5 | PASS |
|            | Ant1  | 5670 | 8.20  | ≤19.5 | PASS |
|            | Ant2  | 5670 | 8.47  | ≤19.5 | PASS |
|            | Ant3  | 5670 | 9.14  | ≤19.5 | PASS |
|            | Ant4  | 5670 | 9.24  | ≤19.5 | PASS |
|            | total | 5670 | 14.8  | ≤19.5 | PASS |
|            | Ant1  | 5755 | 16.95 | ≤25.5 | PASS |
|            | Ant2  | 5755 | 17.99 | ≤25.5 | PASS |
|            | Ant3  | 5755 | 18.15 | ≤25.5 | PASS |
|            | Ant4  | 5755 | 18.73 | ≤25.5 | PASS |
|            | total | 5755 | 24.0  | ≤25.5 | PASS |
|            | Ant1  | 5795 | 17.17 | ≤25.5 | PASS |
|            | Ant2  | 5795 | 17.69 | ≤25.5 | PASS |
|            | Ant3  | 5795 | 17.99 | ≤25.5 | PASS |
|            | Ant4  | 5795 | 18.64 | ≤25.5 | PASS |
|            | total | 5795 | 23.9  | ≤25.5 | PASS |
| 11AC20MIMO | Ant1  | 5180 | 8.58  | ≤25.5 | PASS |
|            | Ant2  | 5180 | 8.18  | ≤25.5 | PASS |
|            | Ant3  | 5180 | 8.76  | ≤25.5 | PASS |
|            | Ant4  | 5180 | 9.20  | ≤25.5 | PASS |
|            | total | 5180 | 14.7  | ≤25.5 | PASS |
|            | Ant1  | 5200 | 8.44  | ≤25.5 | PASS |
|            | Ant2  | 5200 | 8.40  | ≤25.5 | PASS |
|            | Ant3  | 5200 | 8.73  | ≤25.5 | PASS |
|            | Ant4  | 5200 | 9.22  | ≤25.5 | PASS |
|            | total | 5200 | 14.7  | ≤25.5 | PASS |
|            | Ant1  | 5240 | 8.39  | ≤25.5 | PASS |
|            | Ant2  | 5240 | 8.20  | ≤25.5 | PASS |
|            | Ant3  | 5240 | 8.74  | ≤25.5 | PASS |
|            | Ant4  | 5240 | 9.73  | ≤25.5 | PASS |
|            | total | 5240 | 14.8  | ≤25.5 | PASS |
|            | Ant1  | 5260 | 4.01  | ≤19.5 | PASS |
|            | Ant2  | 5260 | 4.00  | ≤19.5 | PASS |
|            | Ant3  | 5260 | 4.08  | ≤19.5 | PASS |
|            | Ant4  | 5260 | 4.18  | ≤19.5 | PASS |
|            | total | 5260 | 10.1  | ≤19.5 | PASS |
|            | Ant1  | 5280 | 3.15  | ≤19.5 | PASS |
|            | Ant2  | 5280 | 3.67  | ≤19.5 | PASS |
|            | Ant3  | 5280 | 3.86  | ≤19.5 | PASS |
|            | Ant4  | 5280 | 4.91  | ≤19.5 | PASS |

|            |       |      |       |       |      |
|------------|-------|------|-------|-------|------|
|            | total | 5280 | 10.0  | ≤19.5 | PASS |
|            | Ant1  | 5320 | 3.90  | ≤19.5 | PASS |
|            | Ant2  | 5320 | 3.81  | ≤19.5 | PASS |
|            | Ant3  | 5320 | 3.93  | ≤19.5 | PASS |
|            | Ant4  | 5320 | 5.18  | ≤19.5 | PASS |
|            | total | 5320 | 10.3  | ≤19.5 | PASS |
|            | Ant1  | 5500 | 4.14  | ≤19.5 | PASS |
|            | Ant2  | 5500 | 4.17  | ≤19.5 | PASS |
|            | Ant3  | 5500 | 4.19  | ≤19.5 | PASS |
|            | Ant4  | 5500 | 4.11  | ≤19.5 | PASS |
|            | total | 5500 | 10.2  | ≤19.5 | PASS |
|            | Ant1  | 5580 | 3.10  | ≤19.5 | PASS |
|            | Ant2  | 5580 | 3.54  | ≤19.5 | PASS |
|            | Ant3  | 5580 | 3.06  | ≤19.5 | PASS |
|            | Ant4  | 5580 | 4.53  | ≤19.5 | PASS |
|            | total | 5580 | 9.6   | ≤19.5 | PASS |
|            | Ant1  | 5700 | 3.89  | ≤19.5 | PASS |
|            | Ant2  | 5700 | 4.06  | ≤19.5 | PASS |
|            | Ant3  | 5700 | 4.08  | ≤19.5 | PASS |
|            | Ant4  | 5700 | 5.33  | ≤19.5 | PASS |
|            | total | 5700 | 10.4  | ≤19.5 | PASS |
|            | Ant1  | 5745 | 19.56 | ≤25.5 | PASS |
|            | Ant2  | 5745 | 19.71 | ≤25.5 | PASS |
|            | Ant3  | 5745 | 18.24 | ≤25.5 | PASS |
|            | Ant4  | 5745 | 19.49 | ≤25.5 | PASS |
|            | total | 5745 | 25.3  | ≤25.5 | PASS |
|            | Ant1  | 5785 | 17.51 | ≤25.5 | PASS |
|            | Ant2  | 5785 | 17.72 | ≤25.5 | PASS |
|            | Ant3  | 5785 | 18.40 | ≤25.5 | PASS |
|            | Ant4  | 5785 | 18.47 | ≤25.5 | PASS |
|            | total | 5785 | 24.1  | ≤25.5 | PASS |
|            | Ant1  | 5825 | 17.82 | ≤25.5 | PASS |
|            | Ant2  | 5825 | 18.34 | ≤25.5 | PASS |
|            | Ant3  | 5825 | 18.26 | ≤25.5 | PASS |
|            | Ant4  | 5825 | 18.70 | ≤25.5 | PASS |
|            | total | 5825 | 24.3  | ≤25.5 | PASS |
| 11AC40MIMO | Ant1  | 5190 | 11.71 | ≤25.5 | PASS |
|            | Ant2  | 5190 | 11.95 | ≤25.5 | PASS |
|            | Ant3  | 5190 | 12.73 | ≤25.5 | PASS |
|            | Ant4  | 5190 | 13.03 | ≤25.5 | PASS |
|            | total | 5190 | 18.4  | ≤25.5 | PASS |
|            | Ant1  | 5230 | 12.54 | ≤25.5 | PASS |
|            | Ant2  | 5230 | 12.01 | ≤25.5 | PASS |
|            | Ant3  | 5230 | 12.58 | ≤25.5 | PASS |
|            | Ant4  | 5230 | 13.33 | ≤25.5 | PASS |
|            | total | 5230 | 18.7  | ≤25.5 | PASS |
|            | Ant1  | 5270 | 6.11  | ≤19.5 | PASS |
|            | Ant2  | 5270 | 6.04  | ≤19.5 | PASS |
|            | Ant3  | 5270 | 6.52  | ≤19.5 | PASS |
|            | Ant4  | 5270 | 7.03  | ≤19.5 | PASS |
|            | total | 5270 | 12.5  | ≤19.5 | PASS |
|            | Ant1  | 5310 | 5.76  | ≤19.5 | PASS |
|            | Ant2  | 5310 | 6.06  | ≤19.5 | PASS |
|            | Ant3  | 5310 | 6.60  | ≤19.5 | PASS |
|            | Ant4  | 5310 | 6.93  | ≤19.5 | PASS |
|            | total | 5310 | 12.4  | ≤19.5 | PASS |
|            | Ant1  | 5510 | 5.35  | ≤19.5 | PASS |
|            | Ant2  | 5510 | 5.16  | ≤19.5 | PASS |
|            | Ant3  | 5510 | 5.48  | ≤19.5 | PASS |
|            | Ant4  | 5510 | 5.67  | ≤19.5 | PASS |
|            | total | 5510 | 11.4  | ≤19.5 | PASS |

|            |       |      |       |       |      |
|------------|-------|------|-------|-------|------|
|            | Ant1  | 5550 | 4.41  | ≤19.5 | PASS |
|            | Ant2  | 5550 | 4.59  | ≤19.5 | PASS |
|            | Ant3  | 5550 | 4.80  | ≤19.5 | PASS |
|            | Ant4  | 5550 | 5.93  | ≤19.5 | PASS |
|            | total | 5550 | 11.0  | ≤19.5 | PASS |
|            | Ant1  | 5670 | 5.88  | ≤19.5 | PASS |
|            | Ant2  | 5670 | 5.96  | ≤19.5 | PASS |
|            | Ant3  | 5670 | 6.00  | ≤19.5 | PASS |
|            | Ant4  | 5670 | 6.46  | ≤19.5 | PASS |
|            | total | 5670 | 12.1  | ≤19.5 | PASS |
|            | Ant1  | 5755 | 17.55 | ≤25.5 | PASS |
|            | Ant2  | 5755 | 18.55 | ≤25.5 | PASS |
|            | Ant3  | 5755 | 18.13 | ≤25.5 | PASS |
|            | Ant4  | 5755 | 19.10 | ≤25.5 | PASS |
|            | total | 5755 | 24.4  | ≤25.5 | PASS |
|            | Ant1  | 5795 | 18.02 | ≤25.5 | PASS |
|            | Ant2  | 5795 | 18.57 | ≤25.5 | PASS |
|            | Ant3  | 5795 | 18.26 | ≤25.5 | PASS |
|            | Ant4  | 5795 | 19.08 | ≤25.5 | PASS |
|            | total | 5795 | 24.5  | ≤25.5 | PASS |
| 11AC80MIMO | Ant1  | 5210 | 12.51 | ≤25.5 | PASS |
|            | Ant2  | 5210 | 12.24 | ≤25.5 | PASS |
|            | Ant3  | 5210 | 12.65 | ≤25.5 | PASS |
|            | Ant4  | 5210 | 12.79 | ≤25.5 | PASS |
|            | total | 5210 | 18.6  | ≤25.5 | PASS |
|            | Ant1  | 5290 | 6.07  | ≤19.5 | PASS |
|            | Ant2  | 5290 | 6.24  | ≤19.5 | PASS |
|            | Ant3  | 5290 | 6.43  | ≤19.5 | PASS |
|            | Ant4  | 5290 | 7.06  | ≤19.5 | PASS |
|            | total | 5290 | 12.5  | ≤19.5 | PASS |
|            | Ant1  | 5530 | 7.78  | ≤19.5 | PASS |
|            | Ant2  | 5530 | 7.43  | ≤19.5 | PASS |
|            | Ant3  | 5530 | 7.86  | ≤19.5 | PASS |
|            | Ant4  | 5530 | 7.14  | ≤19.5 | PASS |
|            | total | 5530 | 13.6  | ≤19.5 | PASS |
|            | Ant1  | 5610 | 6.99  | ≤19.5 | PASS |
|            | Ant2  | 5610 | 7.23  | ≤19.5 | PASS |
|            | Ant3  | 5610 | 7.36  | ≤19.5 | PASS |
|            | Ant4  | 5610 | 8.51  | ≤19.5 | PASS |
|            | total | 5610 | 13.6  | ≤19.5 | PASS |
|            | Ant1  | 5775 | 17.33 | ≤25.5 | PASS |
|            | Ant2  | 5775 | 18.69 | ≤25.5 | PASS |
|            | Ant3  | 5775 | 18.05 | ≤25.5 | PASS |
|            | Ant4  | 5775 | 18.97 | ≤25.5 | PASS |
|            | total | 5775 | 24.3  | ≤25.5 | PASS |

Note:

EUT is an indoor access point.

For 802.11 n/ac mode, EUT support beamforming.

$Directional\ gain = G_{ANT} + Array\ Gain$

$Array\ Gain = 10 * \log(N_{ant}/N_{ss})\ dB$

For the worst case,  $N_{ss}=1$ , so:

$Directional\ gain = 4.5\ dBi + 10 * \log(4/1)\ dB = 10.5\ dBi > 6\ dBi$

So the limit should reduce 4.5dB

### Appendix C: Maximum power spectral density Test Result

| Test Mode | Antenna | Channel | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|-----------|---------|---------|------------------|----------------|---------|
| 11A       | Ant1    | 5180    | 15.88            | ≤17            | PASS    |
|           | Ant2    | 5180    | 14.34            | ≤17            | PASS    |
|           | Ant3    | 5180    | 14.94            | ≤17            | PASS    |
|           | Ant4    | 5180    | 13.02            | ≤17            | PASS    |
|           | Ant1    | 5200    | 15.83            | ≤17            | PASS    |
|           | Ant2    | 5200    | 14.4             | ≤17            | PASS    |
|           | Ant3    | 5200    | 14.81            | ≤17            | PASS    |
|           | Ant4    | 5200    | 13.91            | ≤17            | PASS    |
|           | Ant1    | 5240    | 14.13            | ≤17            | PASS    |
|           | Ant2    | 5240    | 13.76            | ≤17            | PASS    |
|           | Ant3    | 5240    | 13.97            | ≤17            | PASS    |
|           | Ant4    | 5240    | 14.4             | ≤17            | PASS    |
|           | Ant1    | 5260    | 9.91             | ≤11            | PASS    |
|           | Ant2    | 5260    | 9.04             | ≤11            | PASS    |
|           | Ant3    | 5260    | 9.43             | ≤11            | PASS    |
|           | Ant4    | 5260    | 9.12             | ≤11            | PASS    |
|           | Ant1    | 5280    | 10.11            | ≤11            | PASS    |
|           | Ant2    | 5280    | 9.4              | ≤11            | PASS    |
|           | Ant3    | 5280    | 9.87             | ≤11            | PASS    |
|           | Ant4    | 5280    | 10.38            | ≤11            | PASS    |
|           | Ant1    | 5320    | 10.09            | ≤11            | PASS    |
|           | Ant2    | 5320    | 9.5              | ≤11            | PASS    |
|           | Ant3    | 5320    | 9.26             | ≤11            | PASS    |
|           | Ant4    | 5320    | 10.25            | ≤11            | PASS    |
|           | Ant1    | 5500    | 9.24             | ≤11            | PASS    |
|           | Ant2    | 5500    | 8.58             | ≤11            | PASS    |
|           | Ant3    | 5500    | 8.84             | ≤11            | PASS    |
|           | Ant4    | 5500    | 8.02             | ≤11            | PASS    |
|           | Ant1    | 5580    | 9.13             | ≤11            | PASS    |
|           | Ant2    | 5580    | 7.96             | ≤11            | PASS    |
|           | Ant3    | 5580    | 8.54             | ≤11            | PASS    |
|           | Ant4    | 5580    | 7.9              | ≤11            | PASS    |
|           | Ant1    | 5700    | 8.62             | ≤11            | PASS    |
|           | Ant2    | 5700    | 8.84             | ≤11            | PASS    |
|           | Ant3    | 5700    | 8.09             | ≤11            | PASS    |
|           | Ant4    | 5700    | 9.2              | ≤11            | PASS    |
|           | Ant1    | 5745    | 11.51            | ≤30            | PASS    |
|           | Ant2    | 5745    | 11.57            | ≤30            | PASS    |
|           | Ant3    | 5745    | 11.77            | ≤30            | PASS    |
|           | Ant4    | 5745    | 12.4             | ≤30            | PASS    |
|           | Ant1    | 5785    | 11.62            | ≤30            | PASS    |
|           | Ant2    | 5785    | 12.68            | ≤30            | PASS    |
|           | Ant3    | 5785    | 12.01            | ≤30            | PASS    |
|           | Ant4    | 5785    | 12.33            | ≤30            | PASS    |
|           | Ant1    | 5825    | 12.42            | ≤30            | PASS    |
|           | Ant2    | 5825    | 12.3             | ≤30            | PASS    |
|           | Ant3    | 5825    | 12.49            | ≤30            | PASS    |
|           | Ant4    | 5825    | 12.57            | ≤30            | PASS    |
| 11N20MIMO | Ant1    | 5180    | 6.18             | ≤12.5          | PASS    |
|           | Ant2    | 5180    | 6.46             | ≤12.5          | PASS    |
|           | Ant3    | 5180    | 5.77             | ≤12.5          | PASS    |
|           | Ant4    | 5180    | 5.48             | ≤12.5          | PASS    |
|           | total   | 5180    | 12.01            | ≤12.5          | PASS    |
|           | Ant1    | 5200    | 5.59             | ≤12.5          | PASS    |
|           | Ant2    | 5200    | 5.62             | ≤12.5          | PASS    |

|           |       |      |       |       |      |
|-----------|-------|------|-------|-------|------|
|           | Ant3  | 5200 | 5.5   | ≤12.5 | PASS |
|           | Ant4  | 5200 | 5.39  | ≤12.5 | PASS |
|           | total | 5200 | 11.55 | ≤12.5 | PASS |
|           | Ant1  | 5240 | 5.89  | ≤12.5 | PASS |
|           | Ant2  | 5240 | 5.9   | ≤12.5 | PASS |
|           | Ant3  | 5240 | 5.56  | ≤12.5 | PASS |
|           | Ant4  | 5240 | 5.89  | ≤12.5 | PASS |
|           | total | 5240 | 11.83 | ≤12.5 | PASS |
|           | Ant1  | 5260 | 0.42  | ≤6.5  | PASS |
|           | Ant2  | 5260 | -0.02 | ≤6.5  | PASS |
|           | Ant3  | 5260 | -0.02 | ≤6.5  | PASS |
|           | Ant4  | 5260 | -0.24 | ≤6.5  | PASS |
|           | total | 5260 | 6.06  | ≤6.5  | PASS |
|           | Ant1  | 5280 | 0.55  | ≤6.5  | PASS |
|           | Ant2  | 5280 | -0.16 | ≤6.5  | PASS |
|           | Ant3  | 5280 | -0.48 | ≤6.5  | PASS |
|           | Ant4  | 5280 | 0.42  | ≤6.5  | PASS |
|           | total | 5280 | 6.12  | ≤6.5  | PASS |
|           | Ant1  | 5320 | 0.43  | ≤6.5  | PASS |
|           | Ant2  | 5320 | -0.64 | ≤6.5  | PASS |
|           | Ant3  | 5320 | -0.44 | ≤6.5  | PASS |
|           | Ant4  | 5320 | 0.36  | ≤6.5  | PASS |
|           | total | 5320 | 5.97  | ≤6.5  | PASS |
|           | Ant1  | 5500 | 0.24  | ≤6.5  | PASS |
|           | Ant2  | 5500 | 0.53  | ≤6.5  | PASS |
|           | Ant3  | 5500 | 0.35  | ≤6.5  | PASS |
|           | Ant4  | 5500 | -0.62 | ≤6.5  | PASS |
|           | total | 5500 | 6.17  | ≤6.5  | PASS |
|           | Ant1  | 5580 | -0.41 | ≤6.5  | PASS |
|           | Ant2  | 5580 | -0.05 | ≤6.5  | PASS |
|           | Ant3  | 5580 | -0.14 | ≤6.5  | PASS |
|           | Ant4  | 5580 | -0.06 | ≤6.5  | PASS |
|           | total | 5580 | 5.86  | ≤6.5  | PASS |
|           | Ant1  | 5700 | -0.32 | ≤6.5  | PASS |
|           | Ant2  | 5700 | -0.73 | ≤6.5  | PASS |
|           | Ant3  | 5700 | -0.54 | ≤6.5  | PASS |
|           | Ant4  | 5700 | -0.03 | ≤6.5  | PASS |
|           | total | 5700 | 5.62  | ≤6.5  | PASS |
|           | Ant1  | 5745 | 10    | ≤25.5 | PASS |
|           | Ant2  | 5745 | 10.52 | ≤25.5 | PASS |
|           | Ant3  | 5745 | 9.38  | ≤25.5 | PASS |
|           | Ant4  | 5745 | 9.61  | ≤25.5 | PASS |
|           | total | 5745 | 15.92 | ≤25.5 | PASS |
|           | Ant1  | 5785 | 9.9   | ≤25.5 | PASS |
|           | Ant2  | 5785 | 9.72  | ≤25.5 | PASS |
|           | Ant3  | 5785 | 9.88  | ≤25.5 | PASS |
|           | Ant4  | 5785 | 9.98  | ≤25.5 | PASS |
|           | total | 5785 | 15.89 | ≤25.5 | PASS |
|           | Ant1  | 5825 | 10.59 | ≤25.5 | PASS |
|           | Ant2  | 5825 | 9.55  | ≤25.5 | PASS |
|           | Ant3  | 5825 | 10.2  | ≤25.5 | PASS |
|           | Ant4  | 5825 | 9.92  | ≤25.5 | PASS |
|           | total | 5825 | 16.10 | ≤25.5 | PASS |
| 11N40MIMO | Ant1  | 5190 | 4.13  | ≤12.5 | PASS |
|           | Ant2  | 5190 | 4.82  | ≤12.5 | PASS |
|           | Ant3  | 5190 | 4.7   | ≤12.5 | PASS |
|           | Ant4  | 5190 | 4.52  | ≤12.5 | PASS |
|           | total | 5190 | 10.57 | ≤12.5 | PASS |
|           | Ant1  | 5230 | 4.45  | ≤12.5 | PASS |
|           | Ant2  | 5230 | 4.8   | ≤12.5 | PASS |
|           | Ant3  | 5230 | 4.76  | ≤12.5 | PASS |



|            |       |      |       |       |      |
|------------|-------|------|-------|-------|------|
|            | Ant4  | 5230 | 5.14  | ≤12.5 | PASS |
|            | total | 5230 | 10.81 | ≤12.5 | PASS |
|            | Ant1  | 5270 | -1.93 | ≤6.5  | PASS |
|            | Ant2  | 5270 | -0.85 | ≤6.5  | PASS |
|            | Ant3  | 5270 | -0.35 | ≤6.5  | PASS |
|            | Ant4  | 5270 | -0.98 | ≤6.5  | PASS |
|            | total | 5270 | 5.03  | ≤6.5  | PASS |
|            | Ant1  | 5310 | -0.94 | ≤6.5  | PASS |
|            | Ant2  | 5310 | -0.97 | ≤6.5  | PASS |
|            | Ant3  | 5310 | -0.06 | ≤6.5  | PASS |
|            | Ant4  | 5310 | -0.47 | ≤6.5  | PASS |
|            | total | 5310 | 5.43  | ≤6.5  | PASS |
|            | Ant1  | 5510 | 0.5   | ≤6.5  | PASS |
|            | Ant2  | 5510 | 0.22  | ≤6.5  | PASS |
|            | Ant3  | 5510 | 0.08  | ≤6.5  | PASS |
|            | Ant4  | 5510 | -0.41 | ≤6.5  | PASS |
|            | total | 5510 | 6.13  | ≤6.5  | PASS |
|            | Ant1  | 5550 | 0.13  | ≤6.5  | PASS |
|            | Ant2  | 5550 | 0.55  | ≤6.5  | PASS |
|            | Ant3  | 5550 | 0.39  | ≤6.5  | PASS |
|            | Ant4  | 5550 | -0.61 | ≤6.5  | PASS |
|            | total | 5550 | 6.16  | ≤6.5  | PASS |
|            | Ant1  | 5670 | 0.04  | ≤6.5  | PASS |
|            | Ant2  | 5670 | -0.13 | ≤6.5  | PASS |
|            | Ant3  | 5670 | 0.23  | ≤6.5  | PASS |
|            | Ant4  | 5670 | -0.22 | ≤6.5  | PASS |
|            | total | 5670 | 6.00  | ≤6.5  | PASS |
|            | Ant1  | 5755 | 7     | ≤25.5 | PASS |
|            | Ant2  | 5755 | 8.46  | ≤25.5 | PASS |
|            | Ant3  | 5755 | 7.32  | ≤25.5 | PASS |
|            | Ant4  | 5755 | 7.1   | ≤25.5 | PASS |
|            | total | 5755 | 13.53 | ≤25.5 | PASS |
|            | Ant1  | 5795 | 7.19  | ≤25.5 | PASS |
|            | Ant2  | 5795 | 8.48  | ≤25.5 | PASS |
|            | Ant3  | 5795 | 6.83  | ≤25.5 | PASS |
|            | Ant4  | 5795 | 7.78  | ≤25.5 | PASS |
|            | total | 5795 | 13.64 | ≤25.5 | PASS |
| 11AC20MIMO | Ant1  | 5180 | 5.35  | ≤12.5 | PASS |
|            | Ant2  | 5180 | 5.48  | ≤12.5 | PASS |
|            | Ant3  | 5180 | 5.66  | ≤12.5 | PASS |
|            | Ant4  | 5180 | 5.87  | ≤12.5 | PASS |
|            | total | 5180 | 11.62 | ≤12.5 | PASS |
|            | Ant1  | 5200 | 5.31  | ≤12.5 | PASS |
|            | Ant2  | 5200 | 5.41  | ≤12.5 | PASS |
|            | Ant3  | 5200 | 5.41  | ≤12.5 | PASS |
|            | Ant4  | 5200 | 5.13  | ≤12.5 | PASS |
|            | total | 5200 | 11.34 | ≤12.5 | PASS |
|            | Ant1  | 5240 | 5.12  | ≤12.5 | PASS |
|            | Ant2  | 5240 | 5.42  | ≤12.5 | PASS |
|            | Ant3  | 5240 | 5.19  | ≤12.5 | PASS |
|            | Ant4  | 5240 | 5.99  | ≤12.5 | PASS |
|            | total | 5240 | 11.46 | ≤12.5 | PASS |
|            | Ant1  | 5260 | -0.18 | ≤6.5  | PASS |
|            | Ant2  | 5260 | -0.82 | ≤6.5  | PASS |
|            | Ant3  | 5260 | 0.94  | ≤6.5  | PASS |
|            | Ant4  | 5260 | -0.83 | ≤6.5  | PASS |
|            | total | 5260 | 5.86  | ≤6.5  | PASS |
|            | Ant1  | 5280 | 0.36  | ≤6.5  | PASS |
|            | Ant2  | 5280 | -0.84 | ≤6.5  | PASS |
|            | Ant3  | 5280 | 1     | ≤6.5  | PASS |
|            | Ant4  | 5280 | 0.06  | ≤6.5  | PASS |

|            |       |      |       |       |      |
|------------|-------|------|-------|-------|------|
|            | total | 5280 | 6.22  | ≤6.5  | PASS |
|            | Ant1  | 5320 | 0.62  | ≤6.5  | PASS |
|            | Ant2  | 5320 | -0.73 | ≤6.5  | PASS |
|            | Ant3  | 5320 | 0.73  | ≤6.5  | PASS |
|            | Ant4  | 5320 | -0.16 | ≤6.5  | PASS |
|            | total | 5320 | 6.18  | ≤6.5  | PASS |
|            | Ant1  | 5500 | -0.52 | ≤6.5  | PASS |
|            | Ant2  | 5500 | -0.99 | ≤6.5  | PASS |
|            | Ant3  | 5500 | 0.71  | ≤6.5  | PASS |
|            | Ant4  | 5500 | -0.82 | ≤6.5  | PASS |
|            | total | 5500 | 5.67  | ≤6.5  | PASS |
|            | Ant1  | 5580 | -0.4  | ≤6.5  | PASS |
|            | Ant2  | 5580 | -0.46 | ≤6.5  | PASS |
|            | Ant3  | 5580 | -0.41 | ≤6.5  | PASS |
|            | Ant4  | 5580 | 0.99  | ≤6.5  | PASS |
|            | total | 5580 | 6.00  | ≤6.5  | PASS |
|            | Ant1  | 5700 | 0     | ≤6.5  | PASS |
|            | Ant2  | 5700 | 1.96  | ≤6.5  | PASS |
|            | Ant3  | 5700 | 0.63  | ≤6.5  | PASS |
|            | Ant4  | 5700 | 0.15  | ≤6.5  | PASS |
|            | total | 5700 | 6.78  | ≤6.5  | PASS |
|            | Ant1  | 5745 | 13.17 | ≤25.5 | PASS |
|            | Ant2  | 5745 | 13.04 | ≤25.5 | PASS |
|            | Ant3  | 5745 | 12.57 | ≤25.5 | PASS |
|            | Ant4  | 5745 | 14.18 | ≤25.5 | PASS |
|            | total | 5745 | 19.30 | ≤25.5 | PASS |
|            | Ant1  | 5785 | 11.35 | ≤25.5 | PASS |
|            | Ant2  | 5785 | 12.86 | ≤25.5 | PASS |
|            | Ant3  | 5785 | 12.93 | ≤25.5 | PASS |
|            | Ant4  | 5785 | 12.09 | ≤25.5 | PASS |
|            | total | 5785 | 18.37 | ≤25.5 | PASS |
|            | Ant1  | 5825 | 12    | ≤25.5 | PASS |
|            | Ant2  | 5825 | 13.16 | ≤25.5 | PASS |
|            | Ant3  | 5825 | 13.29 | ≤25.5 | PASS |
|            | Ant4  | 5825 | 12.12 | ≤25.5 | PASS |
|            | total | 5825 | 18.70 | ≤25.5 | PASS |
| 11AC40MIMO | Ant1  | 5190 | 6.83  | ≤12.5 | PASS |
|            | Ant2  | 5190 | 4.84  | ≤12.5 | PASS |
|            | Ant3  | 5190 | 5.65  | ≤12.5 | PASS |
|            | Ant4  | 5190 | 4.79  | ≤12.5 | PASS |
|            | total | 5190 | 11.63 | ≤12.5 | PASS |
|            | Ant1  | 5230 | 6.57  | ≤12.5 | PASS |
|            | Ant2  | 5230 | 5.13  | ≤12.5 | PASS |
|            | Ant3  | 5230 | 4.51  | ≤12.5 | PASS |
|            | Ant4  | 5230 | 4.97  | ≤12.5 | PASS |
|            | total | 5230 | 11.39 | ≤12.5 | PASS |
|            | Ant1  | 5270 | 0.84  | ≤6.5  | PASS |
|            | Ant2  | 5270 | -0.87 | ≤6.5  | PASS |
|            | Ant3  | 5270 | 0.7   | ≤6.5  | PASS |
|            | Ant4  | 5270 | 0.34  | ≤6.5  | PASS |
|            | total | 5270 | 5.06  | ≤6.5  | PASS |
|            | Ant1  | 5310 | -1.88 | ≤6.5  | PASS |
|            | Ant2  | 5310 | -1.27 | ≤6.5  | PASS |
|            | Ant3  | 5310 | -0.27 | ≤6.5  | PASS |
|            | Ant4  | 5310 | -2.51 | ≤6.5  | PASS |
|            | total | 5310 | 4.62  | ≤6.5  | PASS |
|            | Ant1  | 5510 | -1.04 | ≤6.5  | PASS |
|            | Ant2  | 5510 | -1.1  | ≤6.5  | PASS |
|            | Ant3  | 5510 | -1.82 | ≤6.5  | PASS |
|            | Ant4  | 5510 | -1.61 | ≤6.5  | PASS |

|            |       |      |       |       |      |
|------------|-------|------|-------|-------|------|
|            | total | 5510 | 4.64  | ≤6.5  | PASS |
|            | Ant1  | 5550 | -0.88 | ≤6.5  | PASS |
|            | Ant2  | 5550 | -2.28 | ≤6.5  | PASS |
|            | Ant3  | 5550 | -2.12 | ≤6.5  | PASS |
|            | Ant4  | 5550 | -1.52 | ≤6.5  | PASS |
|            | total | 5550 | 4.36  | ≤6.5  | PASS |
|            | Ant1  | 5670 | 0.43  | ≤6.5  | PASS |
|            | Ant2  | 5670 | -1.5  | ≤6.5  | PASS |
|            | Ant3  | 5670 | -1.21 | ≤6.5  | PASS |
|            | Ant4  | 5670 | -0.4  | ≤6.5  | PASS |
|            | total | 5670 | 5.42  | ≤6.5  | PASS |
|            | Ant1  | 5755 | 8.24  | ≤25.5 | PASS |
|            | Ant2  | 5755 | 10.99 | ≤25.5 | PASS |
|            | Ant3  | 5755 | 9.03  | ≤25.5 | PASS |
|            | Ant4  | 5755 | 9.9   | ≤25.5 | PASS |
|            | total | 5755 | 15.68 | ≤25.5 | PASS |
|            | Ant1  | 5795 | 8.76  | ≤25.5 | PASS |
|            | Ant2  | 5795 | 10.21 | ≤25.5 | PASS |
|            | Ant3  | 5795 | 9.26  | ≤25.5 | PASS |
|            | Ant4  | 5795 | 9.68  | ≤25.5 | PASS |
|            | total | 5795 | 15.53 | ≤25.5 | PASS |
| 11AC80MIMO | Ant1  | 5210 | 5.51  | ≤12.5 | PASS |
|            | Ant2  | 5210 | 5.12  | ≤12.5 | PASS |
|            | Ant3  | 5210 | 5.66  | ≤12.5 | PASS |
|            | Ant4  | 5210 | 4.84  | ≤12.5 | PASS |
|            | total | 5210 | 11.32 | ≤12.5 | PASS |
|            | Ant1  | 5290 | -0.11 | ≤6.5  | PASS |
|            | Ant2  | 5290 | -0.97 | ≤6.5  | PASS |
|            | Ant3  | 5290 | -0.75 | ≤6.5  | PASS |
|            | Ant4  | 5290 | -0.39 | ≤6.5  | PASS |
|            | total | 5290 | 5.48  | ≤6.5  | PASS |
|            | Ant1  | 5530 | -1.85 | ≤6.5  | PASS |
|            | Ant2  | 5530 | -1.8  | ≤6.5  | PASS |
|            | Ant3  | 5530 | 0.33  | ≤6.5  | PASS |
|            | Ant4  | 5530 | -1.29 | ≤6.5  | PASS |
|            | total | 5530 | 4.96  | ≤6.5  | PASS |
|            | Ant1  | 5610 | -0.35 | ≤6.5  | PASS |
|            | Ant2  | 5610 | -1.52 | ≤6.5  | PASS |
|            | Ant3  | 5610 | -1.04 | ≤6.5  | PASS |
|            | Ant4  | 5610 | 0.39  | ≤6.5  | PASS |
|            | total | 5610 | 5.45  | ≤6.5  | PASS |
|            | Ant1  | 5775 | 7.95  | ≤25.5 | PASS |
|            | Ant2  | 5775 | 8.17  | ≤25.5 | PASS |
|            | Ant3  | 5775 | 8.8   | ≤25.5 | PASS |
|            | Ant4  | 5775 | 8.05  | ≤25.5 | PASS |
|            | total | 5775 | 14.28 | ≤25.5 | PASS |

Note: The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.  
The Duty Cycle Factor is compensated in the graph.

For 802.11 n/ac mode, EUT support beamforming.

$Directional\ gain = G_{ANT} + Array\ Gain$

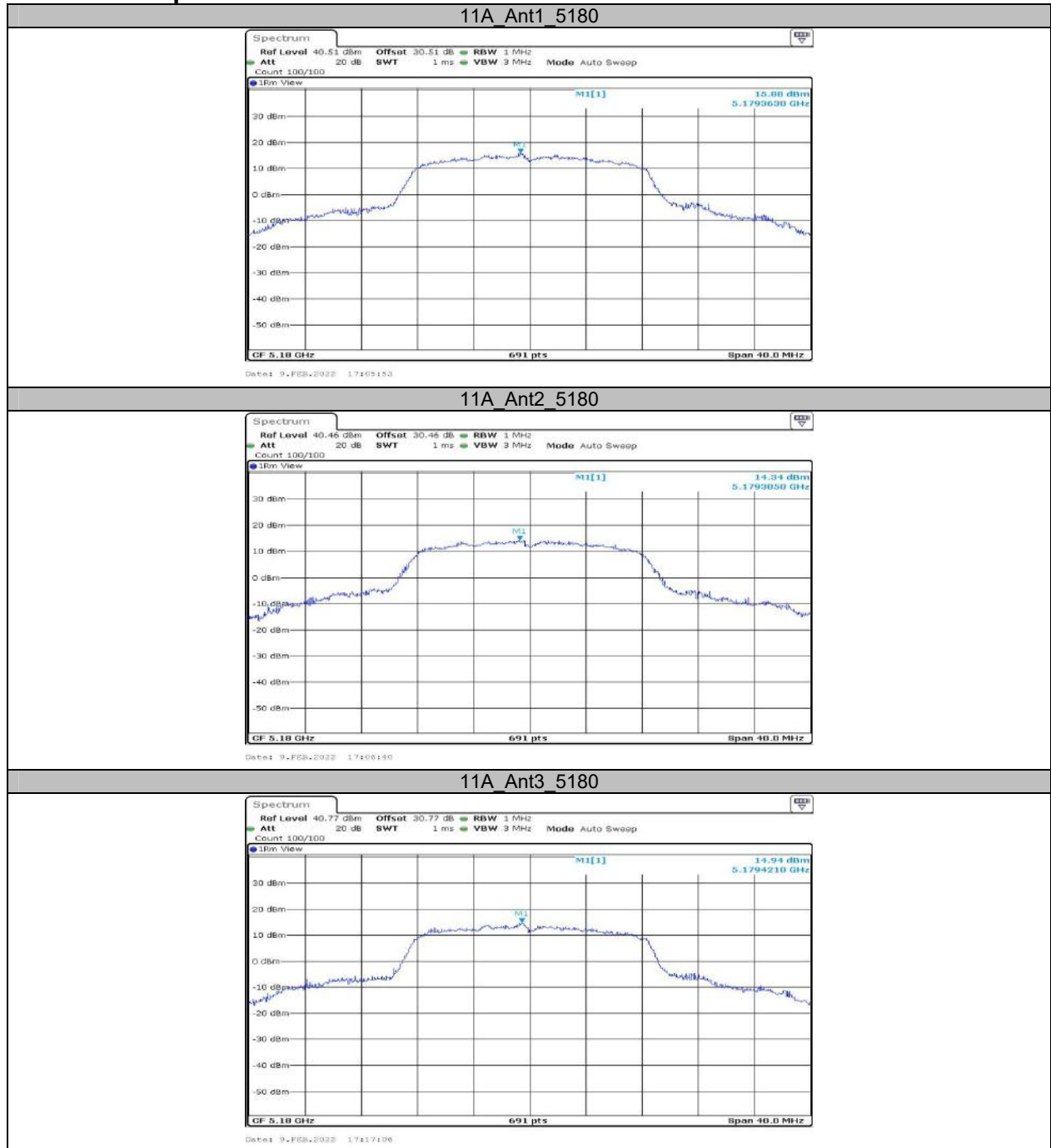
$Array\ Gain = 10 * \log(N_{ant}/N_{ss})\ dB$

For the worst case,  $N_{ss}=1$ , so:

$Directional\ gain = 4.5\ dBi + 10 * \log(4/1)\ dB = 10.5\ dBi > 6\ dBi$

So the limit should reduce 4.5dB

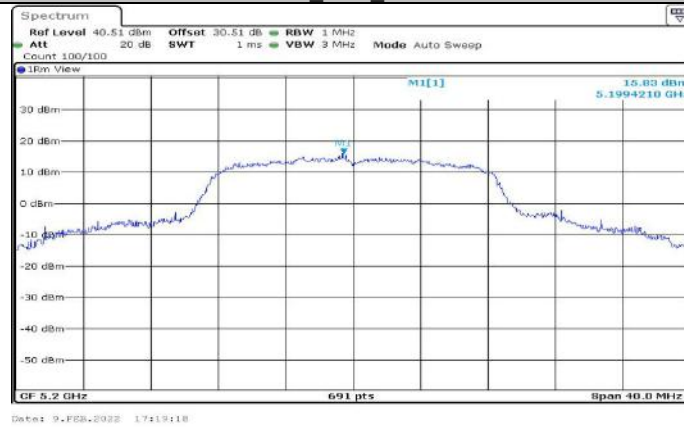
## Test Graphs



## 11A\_Ant4\_5180



## 11A\_Ant1\_5200



## 11A\_Ant2\_5200



## 11A\_Ant3\_5200



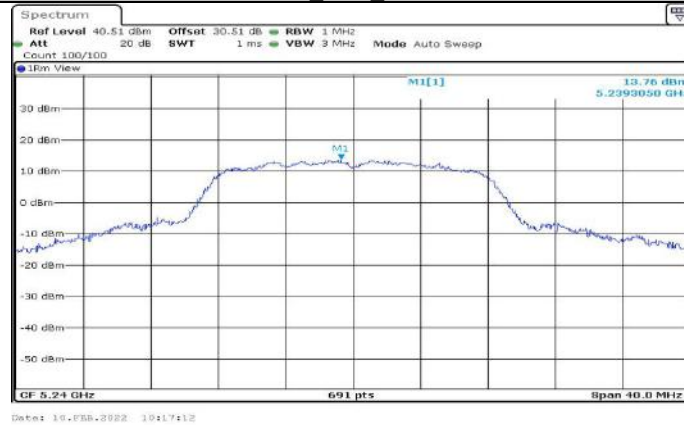
## 11A\_Ant4\_5200



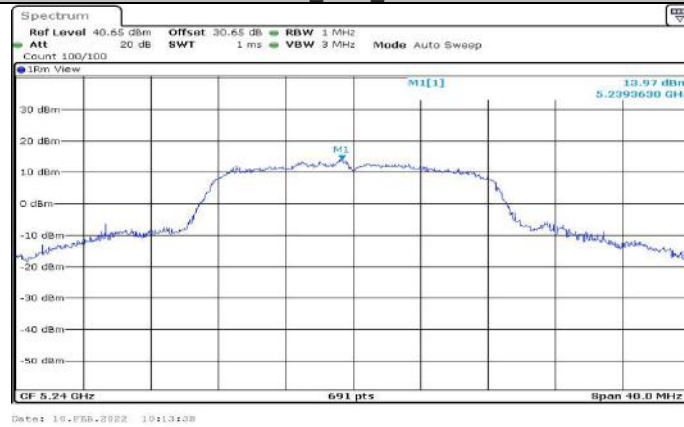
## 11A\_Ant1\_5240



## 11A\_Ant2\_5240



## 11A\_Ant3\_5240



## 11A\_Ant4\_5240



## 11A\_Ant1\_5260



## 11A\_Ant2\_5260



## 11A\_Ant3\_5260





## 11A\_Ant4\_5260



## 11A\_Ant1\_5280



## 11A\_Ant2\_5280



## 11A\_Ant3\_5280



## 11A\_Ant4\_5280



## 11A\_Ant1\_5320



## 11A\_Ant2\_5320



## 11A\_Ant3\_5320



## 11A\_Ant4\_5320



## 11A\_Ant1\_5500



## 11A\_Ant2\_5500



## 11A\_Ant3\_5500



## 11A\_Ant4\_5500



## 11A\_Ant1\_5580



## 11A\_Ant2\_5580



## 11A\_Ant3\_5580



## 11A\_Ant4\_5580



## 11A\_Ant1\_5700



## 11A\_Ant2\_5700



## 11A\_Ant3\_5700



## 11A\_Ant4\_5700



## 11A\_Ant1\_5745



## 11A\_Ant2\_5745



## 11A\_Ant3\_5745





## 11A\_Ant4\_5745



## 11A\_Ant1\_5785



## 11A\_Ant2\_5785



## 11A\_Ant3\_5785



## 11A\_Ant4\_5785



## 11A\_Ant1\_5825



## 11A\_Ant2\_5825



## 11A\_Ant3\_5825



## 11A\_Ant4\_5825



## 11N20MIMO\_Ant1\_5180



## 11N20MIMO\_Ant2\_5180



## 11N20MIMO\_Ant3\_5180



## 11N20MIMO\_Ant4\_5180



## 11N20MIMO\_Ant1\_5200



## 11N20MIMO\_Ant2\_5200



## 11N20MIMO\_Ant3\_5200



## 11N20MIMO\_Ant4\_5200



## 11N20MIMO\_Ant1\_5240



## 11N20MIMO\_Ant2\_5240



## 11N20MIMO\_Ant3\_5240



## 11N20MIMO\_Ant4\_5240



## 11N20MIMO\_Ant1\_5260



## 11N20MIMO\_Ant2\_5260



## 11N20MIMO\_Ant3\_5260





## 11N20MIMO\_Ant4\_5260



## 11N20MIMO\_Ant1\_5280



## 11N20MIMO\_Ant2\_5280



## 11N20MIMO\_Ant3\_5280



## 11N20MIMO\_Ant4\_5280



## 11N20MIMO\_Ant1\_5320



## 11N20MIMO\_Ant2\_5320



## 11N20MIMO\_Ant3\_5320



## 11N20MIMO\_Ant4\_5320



## 11N20MIMO\_Ant1\_5500

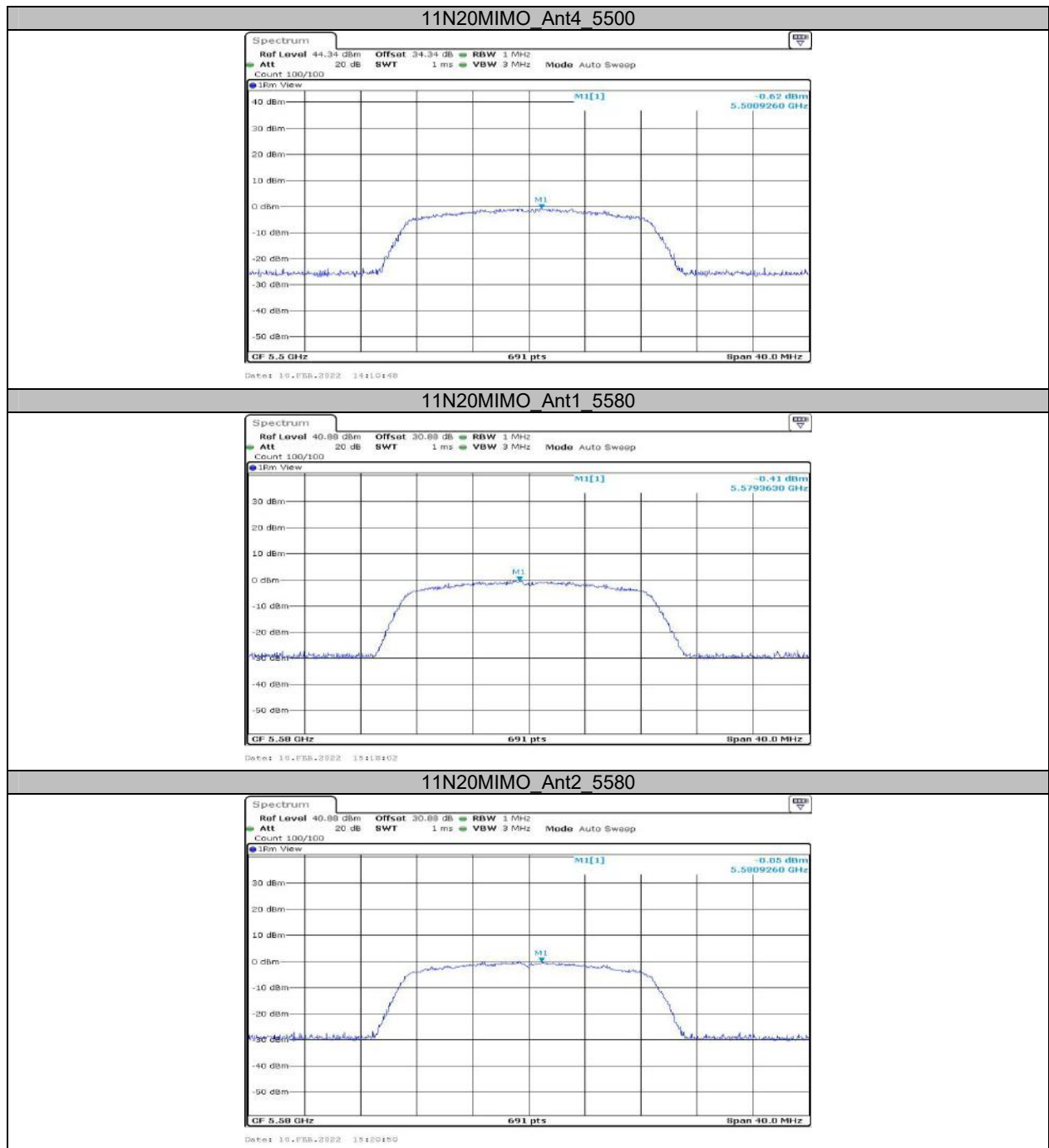


## 11N20MIMO\_Ant2\_5500



## 11N20MIMO\_Ant3\_5500





## 11N20MIMO\_Ant3\_5580



## 11N20MIMO\_Ant4\_5580



## 11N20MIMO\_Ant1\_5700



## 11N20MIMO\_Ant2\_5700



## 11N20MIMO\_Ant3\_5700



## 11N20MIMO\_Ant4\_5700



## 11N20MIMO\_Ant1\_5745



## 11N20MIMO\_Ant2\_5745



## 11N20MIMO\_Ant3\_5745





## 11N20MIMO\_Ant4\_5745



## 11N20MIMO\_Ant1\_5785



## 11N20MIMO\_Ant2\_5785



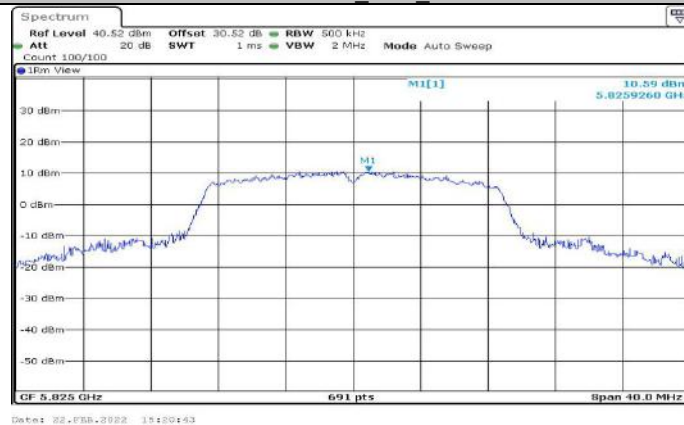
## 11N20MIMO\_Ant3\_5785



## 11N20MIMO\_Ant4\_5785



## 11N20MIMO\_Ant1\_5825



## 11N20MIMO\_Ant2\_5825



## 11N20MIMO\_Ant3\_5825



## 11N20MIMO\_Ant4\_5825



## 11N40MIMO\_Ant1\_5190



## 11N40MIMO\_Ant2\_5190



## 11N40MIMO\_Ant3\_5190



## 11N40MIMO\_Ant4\_5190



## 11N40MIMO\_Ant1\_5230



## 11N40MIMO\_Ant2\_5230



## 11N40MIMO\_Ant3\_5230

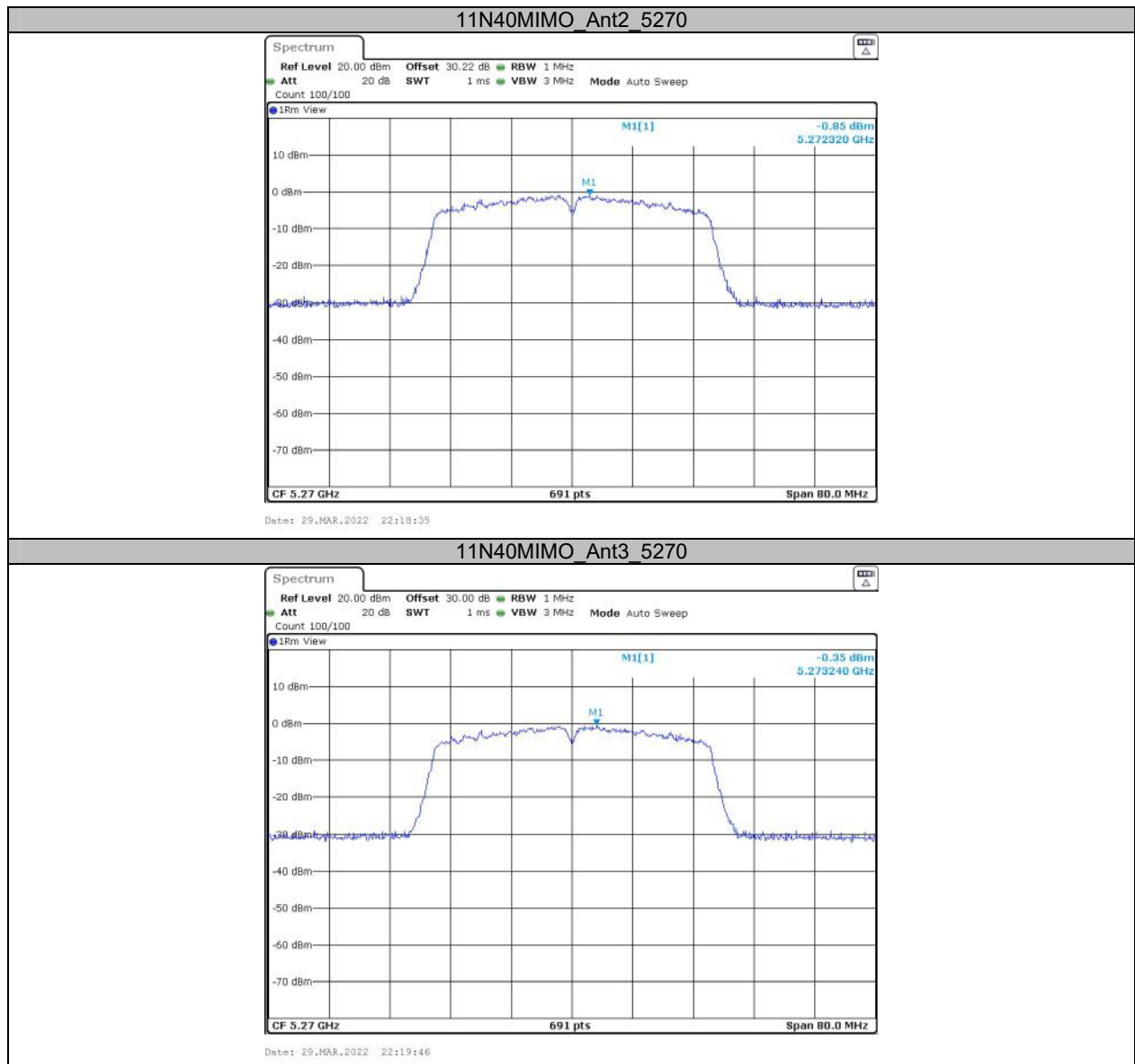


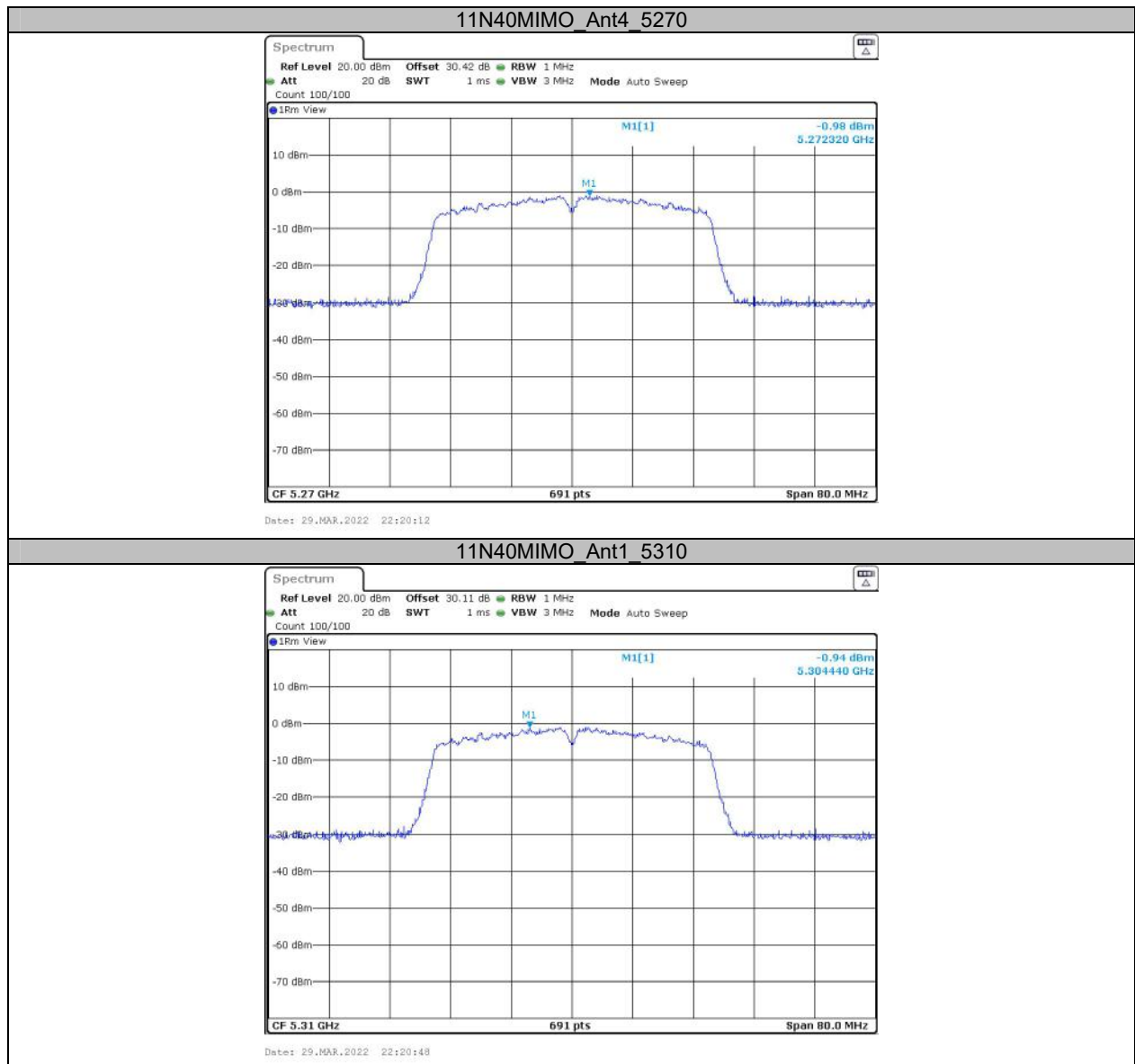
## 11N40MIMO\_Ant4\_5230



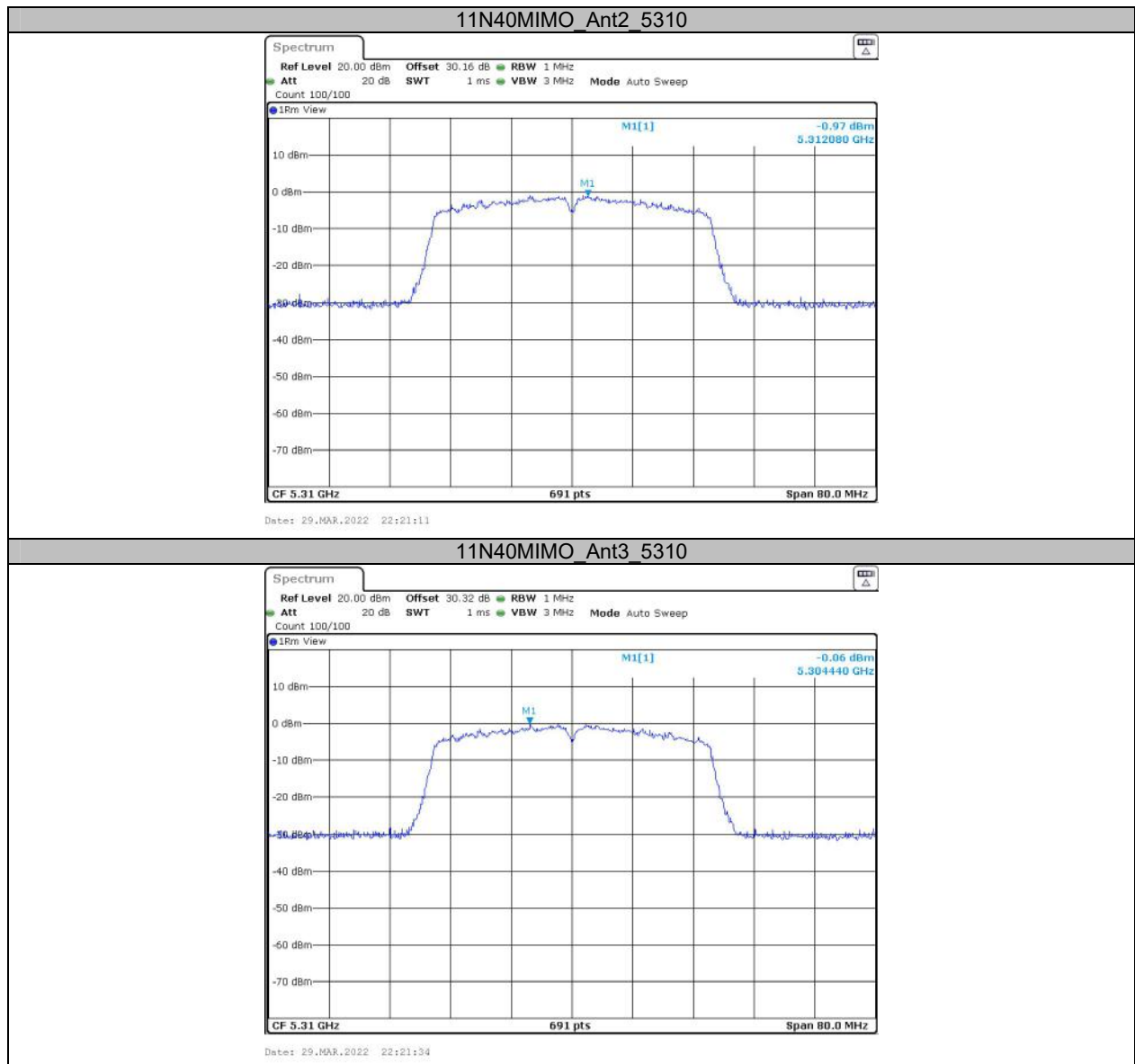
## 11N40MIMO\_Ant1\_5270

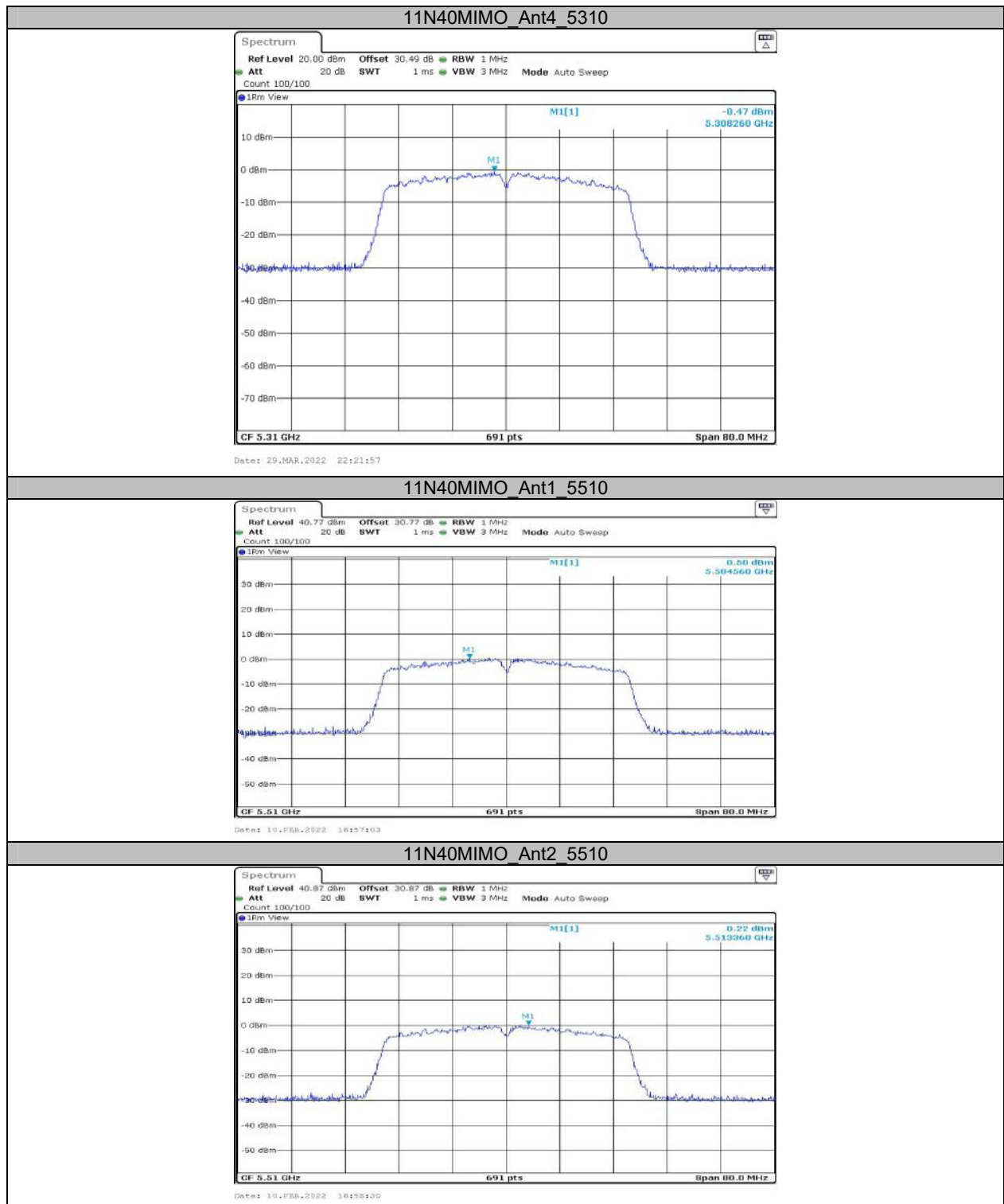














## 11N40MIMO\_Ant2\_5550



## 11N40MIMO\_Ant3\_5550



## 11N40MIMO\_Ant4\_5550



## 11N40MIMO\_Ant1\_5670



## 11N40MIMO\_Ant2\_5670



## 11N40MIMO\_Ant3\_5670



## 11N40MIMO\_Ant4\_5670



## 11N40MIMO\_Ant1\_5755



## 11N40MIMO\_Ant2\_5755



## 11N40MIMO\_Ant3\_5755



## 11N40MIMO\_Ant4\_5755



## 11N40MIMO\_Ant1\_5795



## 11N40MIMO\_Ant2\_5795



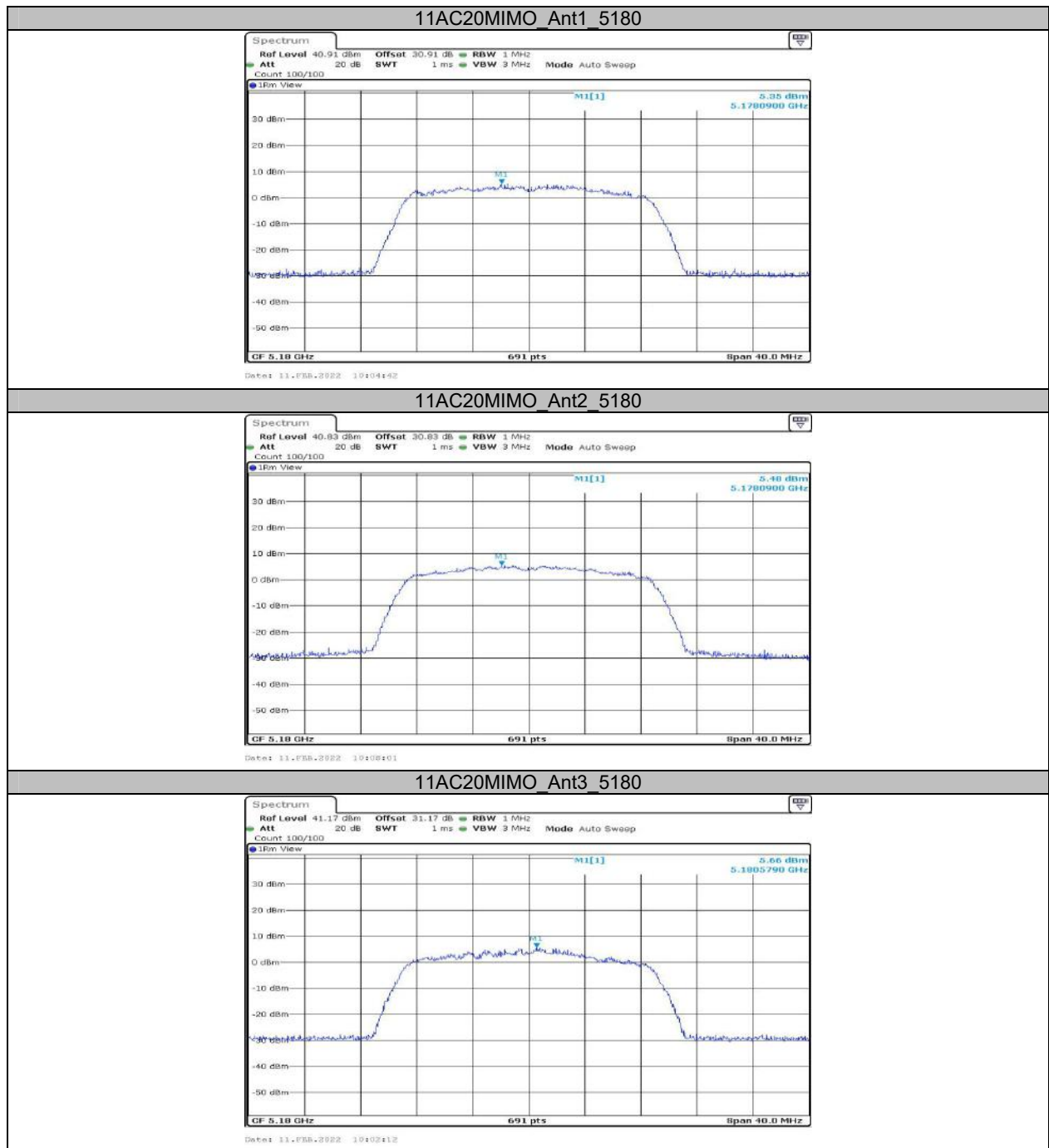
## 11N40MIMO\_Ant3\_5795

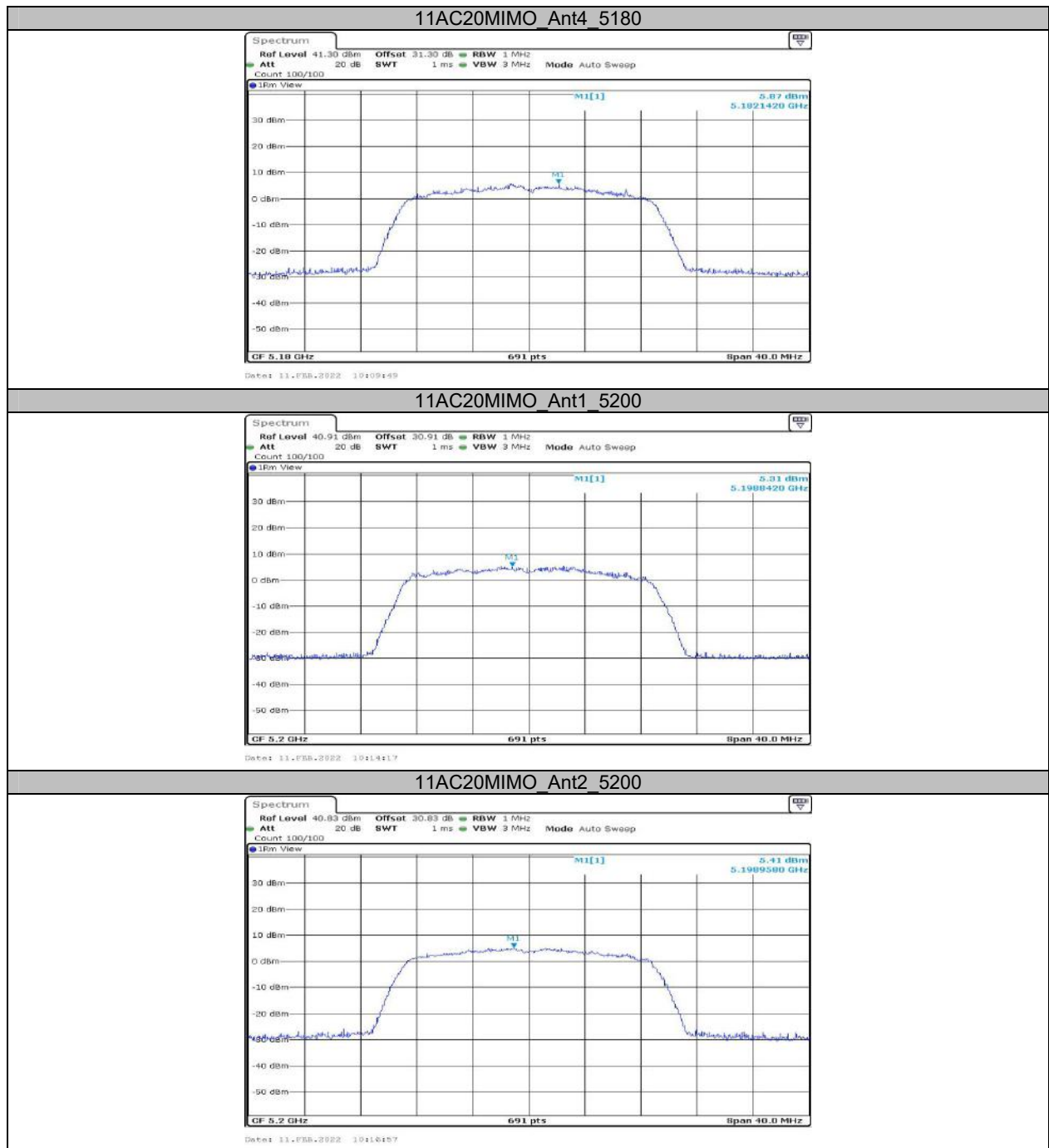


## 11N40MIMO\_Ant4\_5795









## 11AC20MIMO\_Ant3\_5200



## 11AC20MIMO\_Ant4\_5200



## 11AC20MIMO\_Ant1\_5240



## 11AC20MIMO\_Ant2\_5240

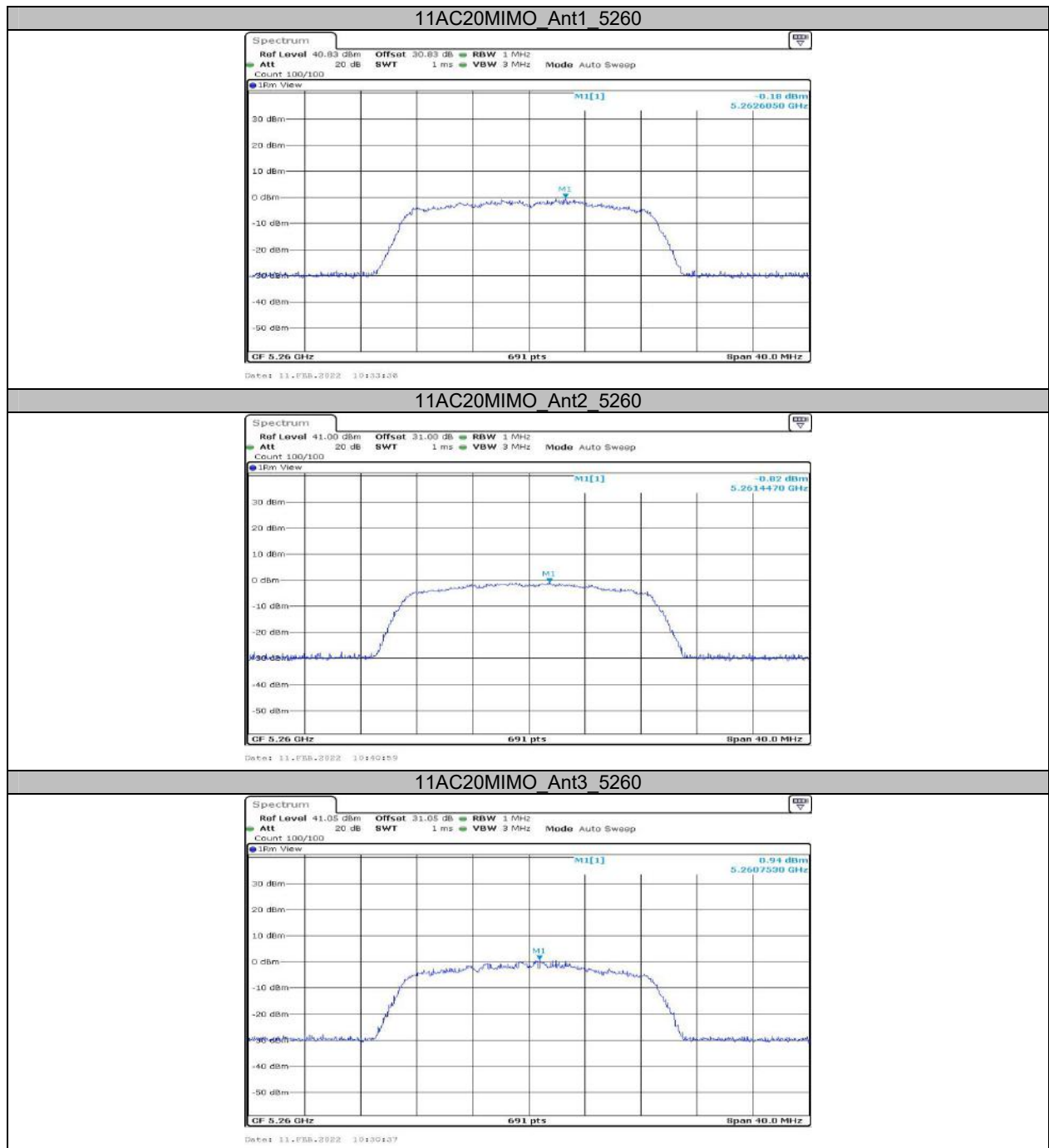


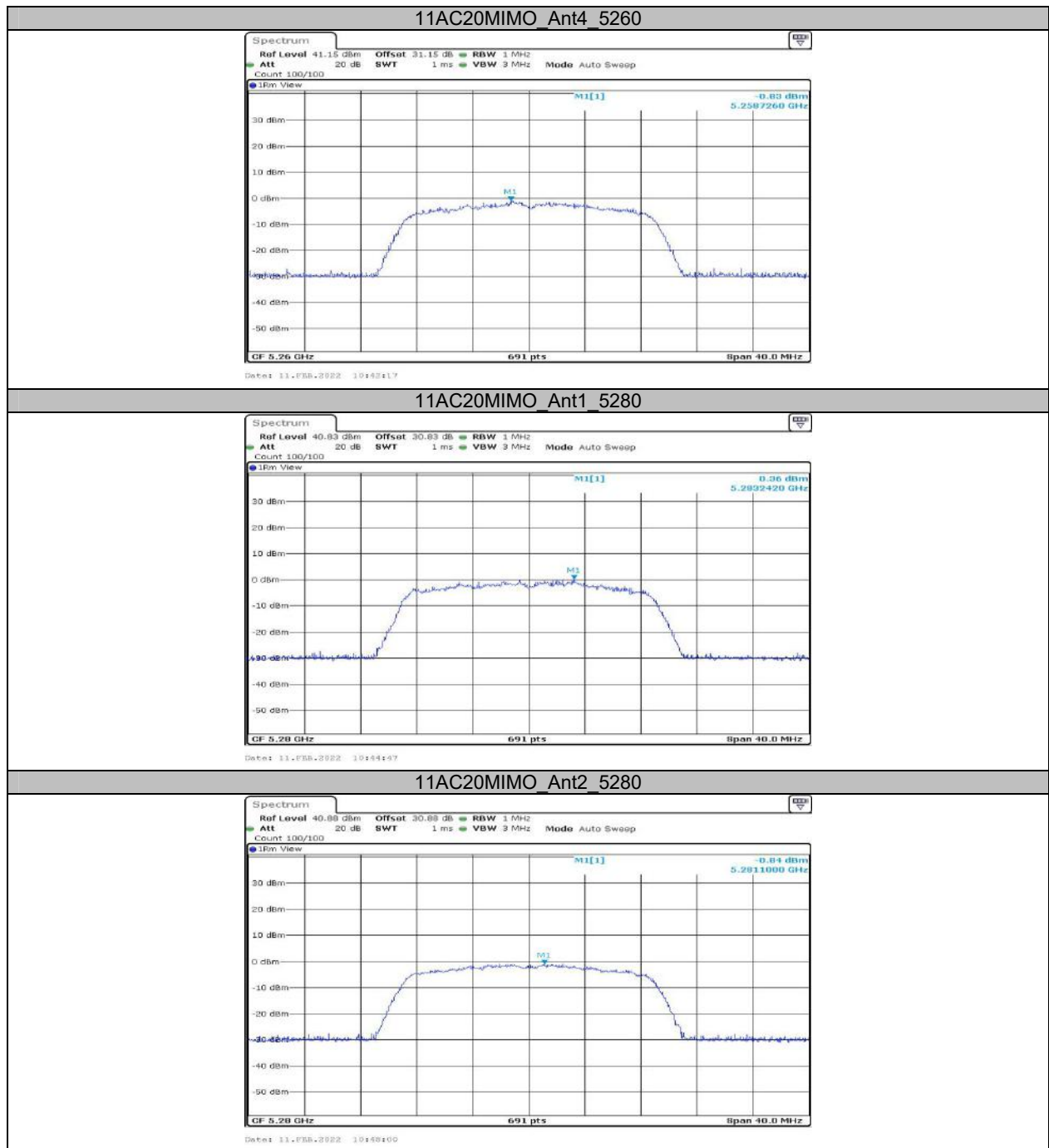
## 11AC20MIMO\_Ant3\_5240

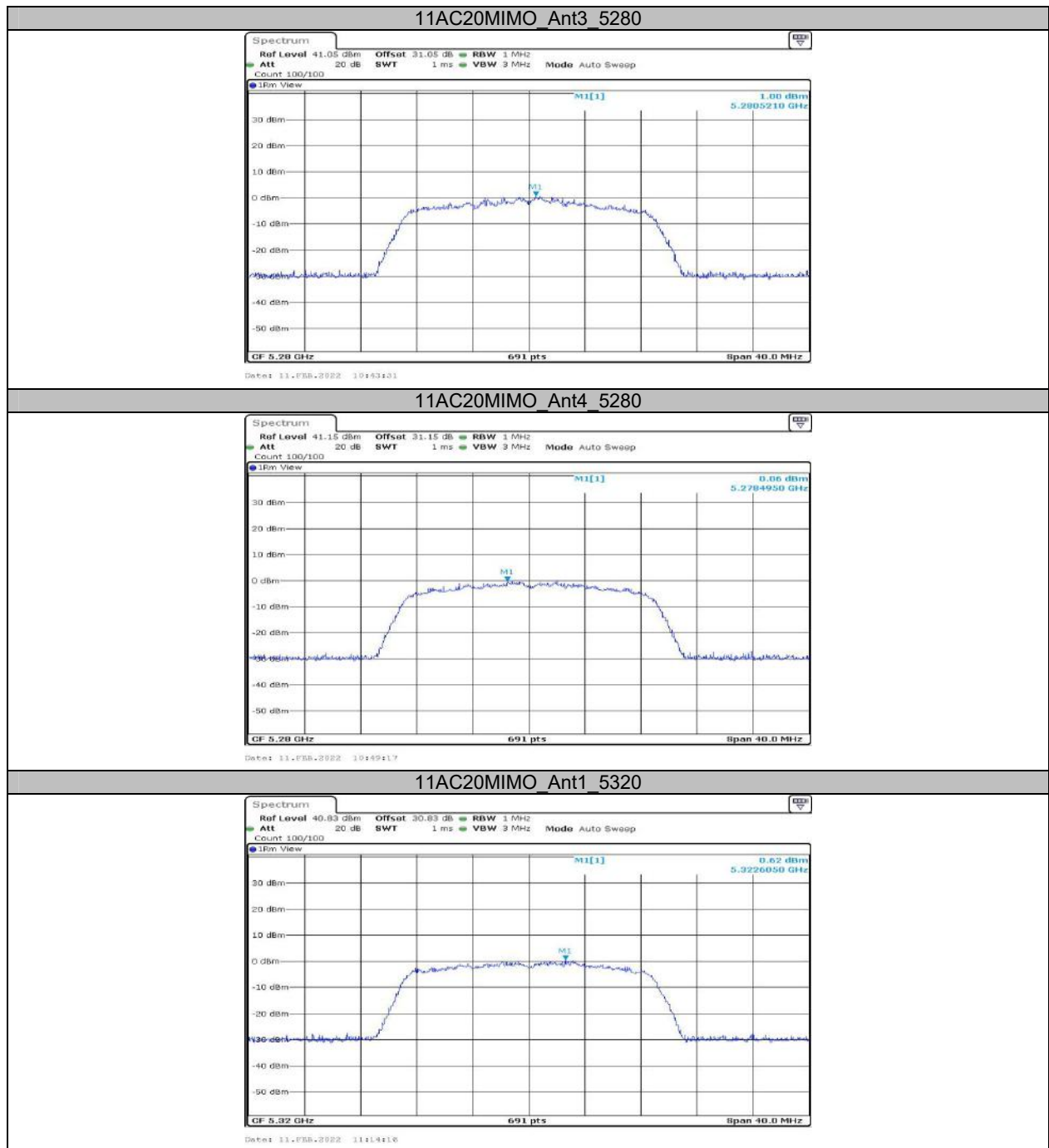


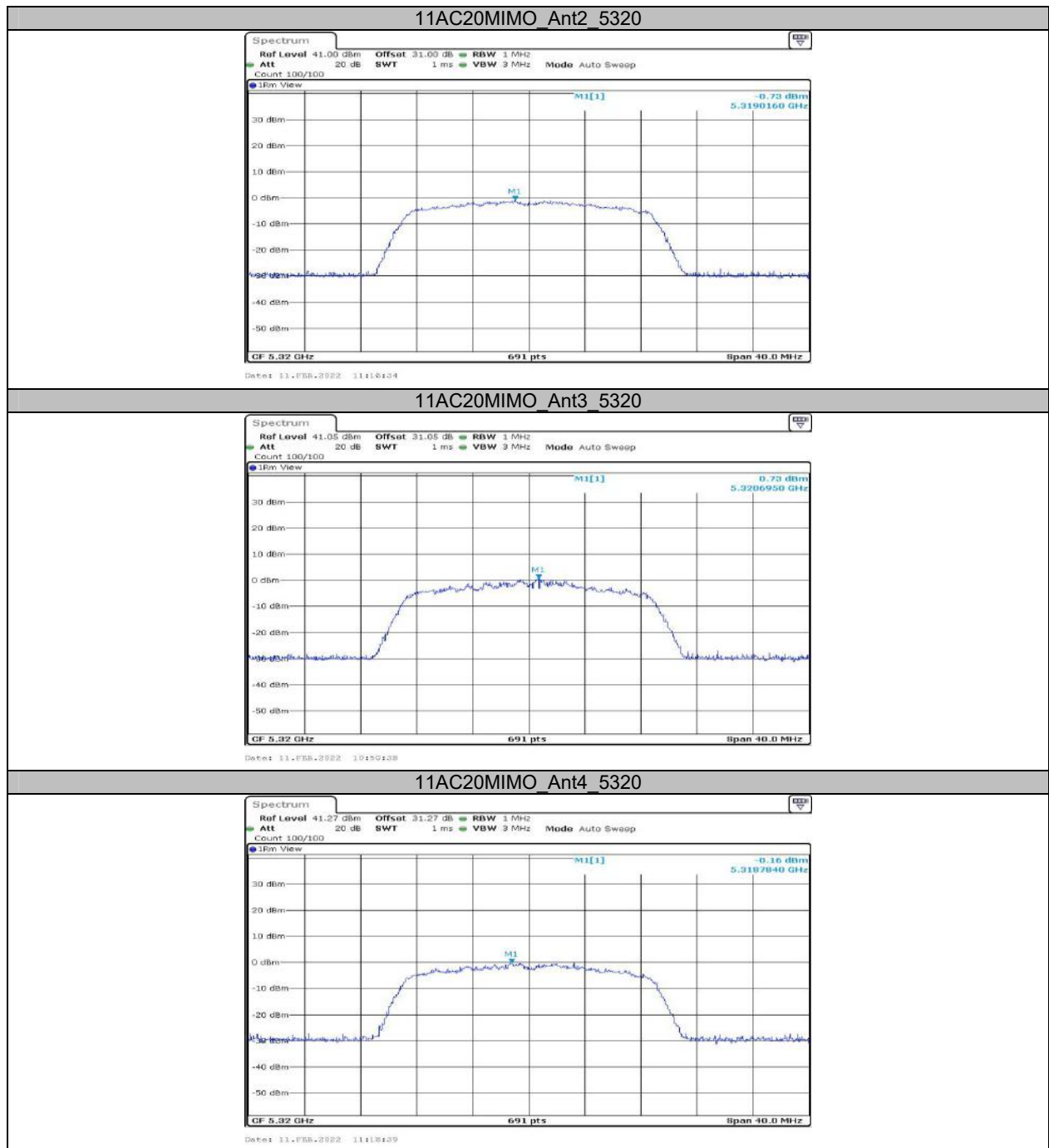
## 11AC20MIMO\_Ant4\_5240













## 11AC20MIMO\_Ant1\_5500



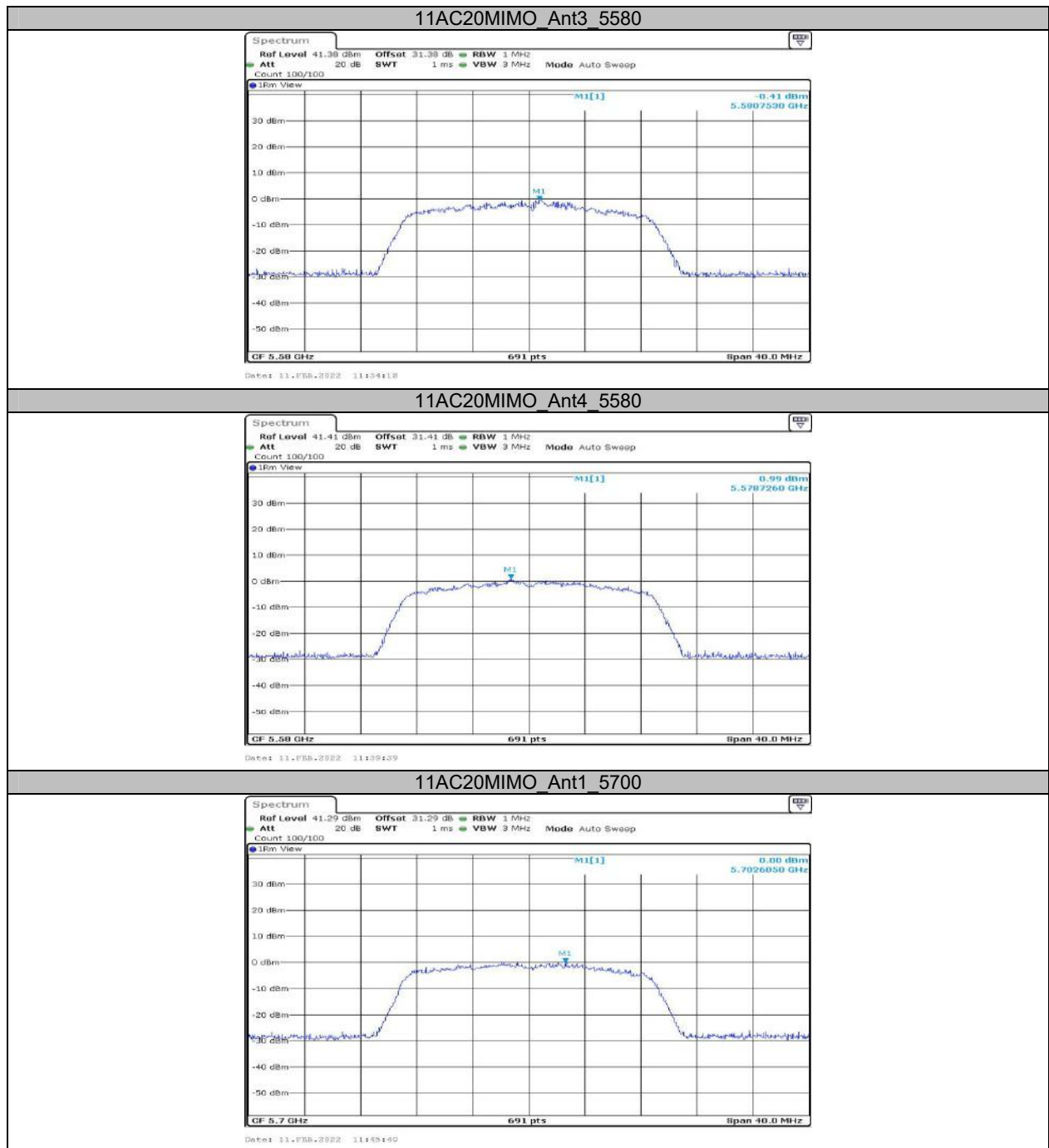
## 11AC20MIMO\_Ant2\_5500



## 11AC20MIMO\_Ant3\_5500







## 11AC20MIMO\_Ant2\_5700



## 11AC20MIMO\_Ant3\_5700



## 11AC20MIMO\_Ant4\_5700



## 11AC20MIMO\_Ant1\_5745



## 11AC20MIMO\_Ant2\_5745



## 11AC20MIMO\_Ant3\_5745



## 11AC20MIMO Ant4 5745



## 11AC20MIMO Ant1 5785



## 11AC20MIMO Ant2 5785



## 11AC20MIMO Ant3 5785



## 11AC20MIMO Ant4 5785



## 11AC20MIMO Ant1 5825



## 11AC20MIMO\_Ant2\_5825



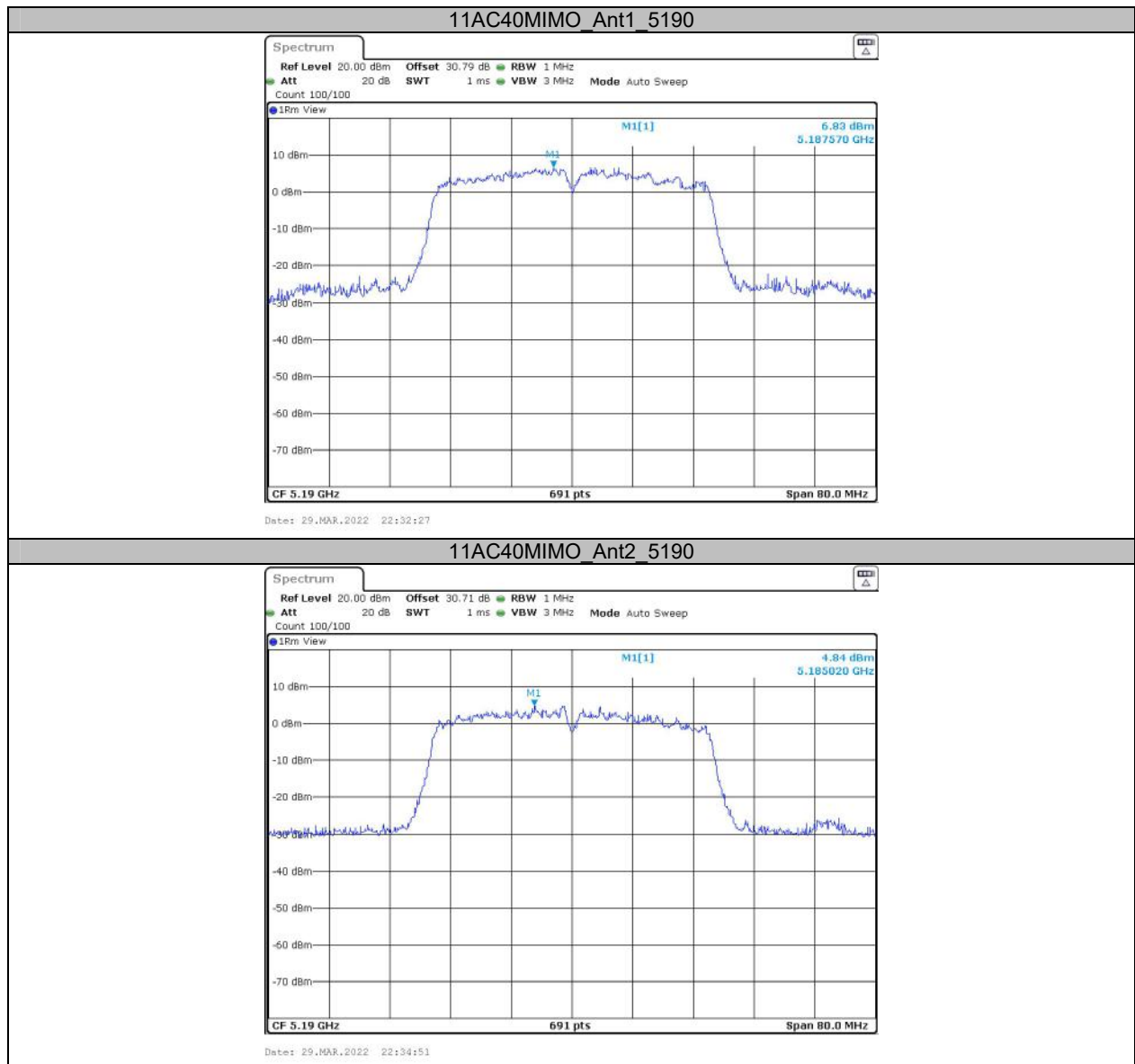
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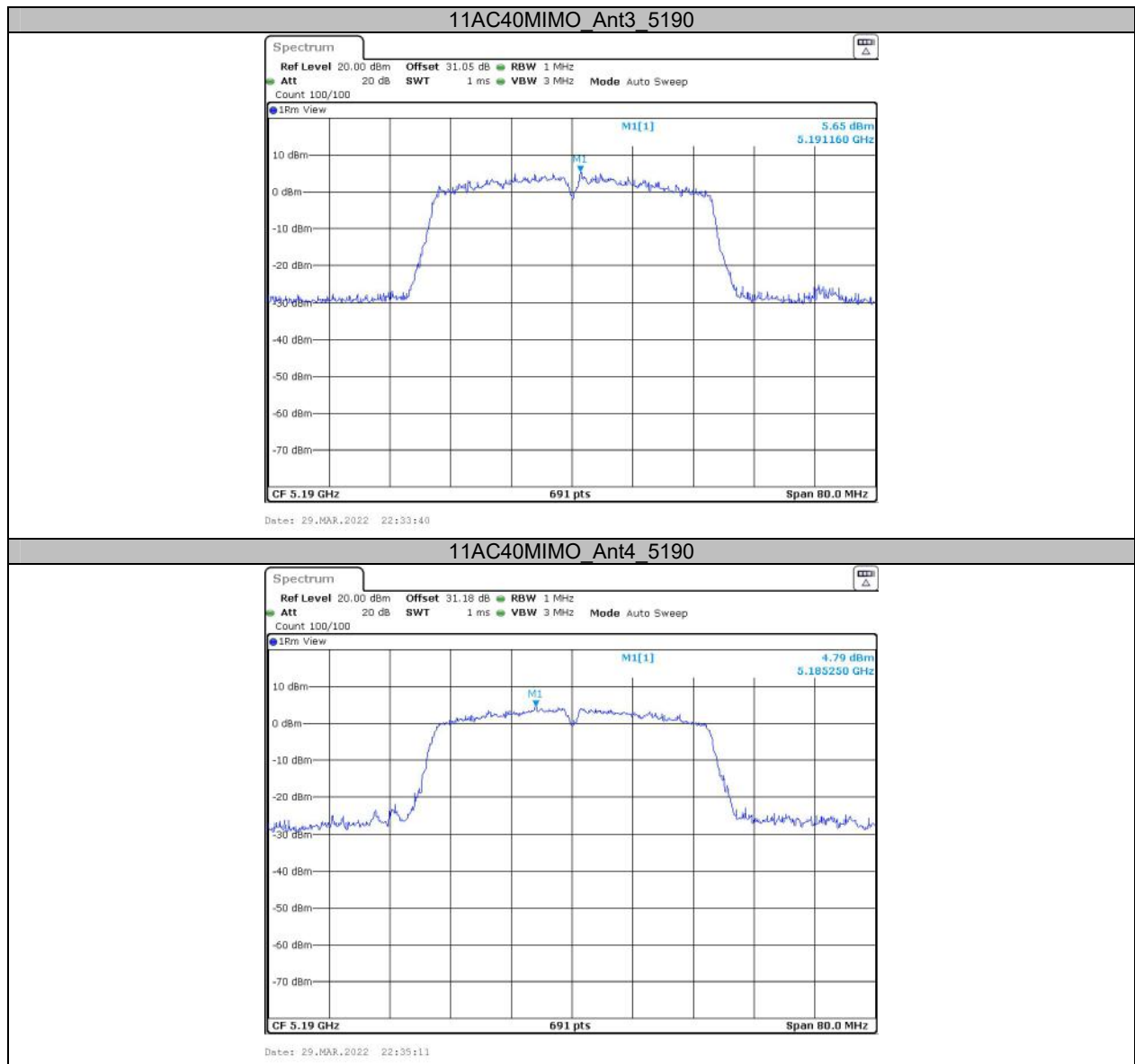


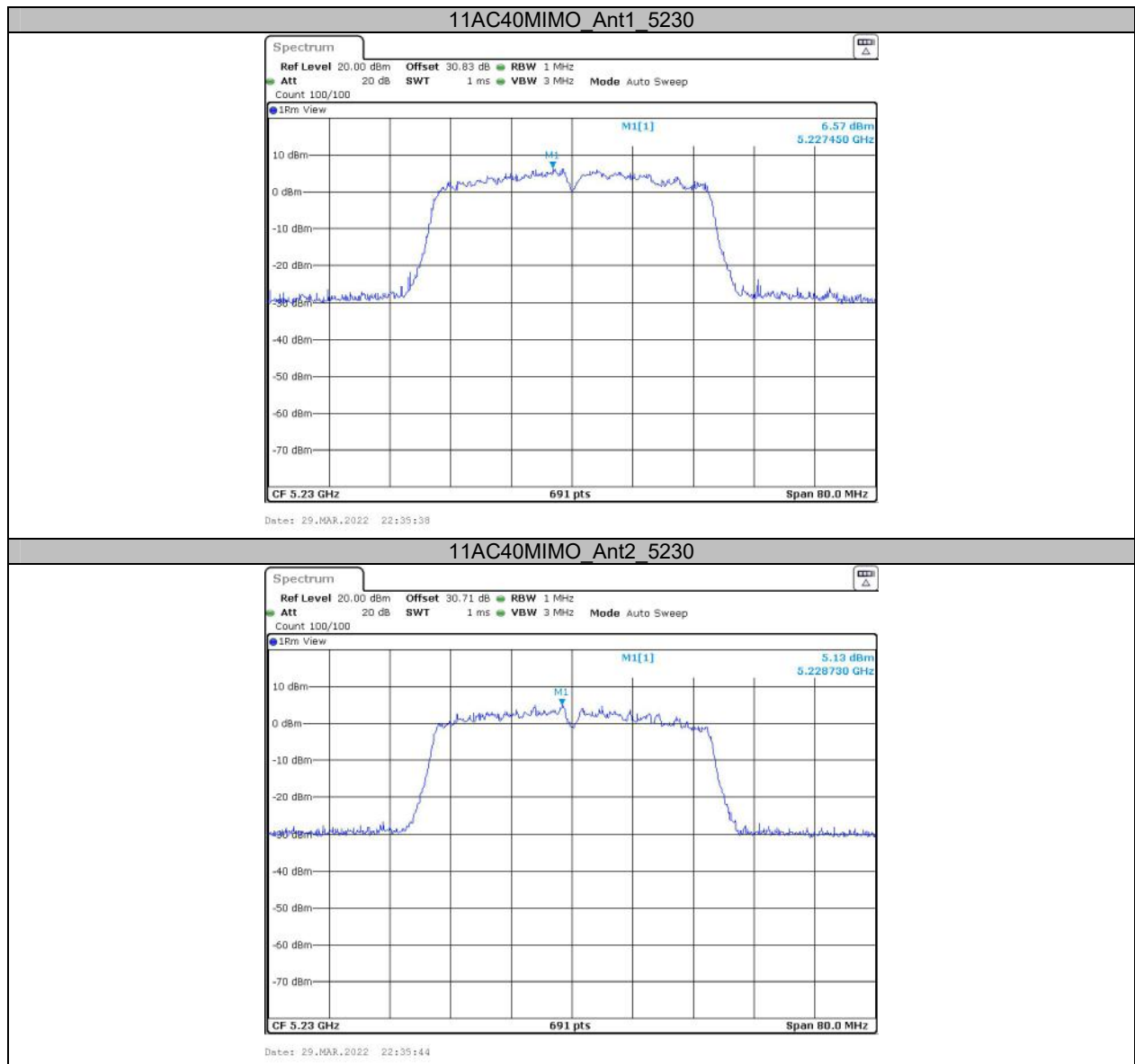
## 11AC20MIMO\_Ant4\_5825

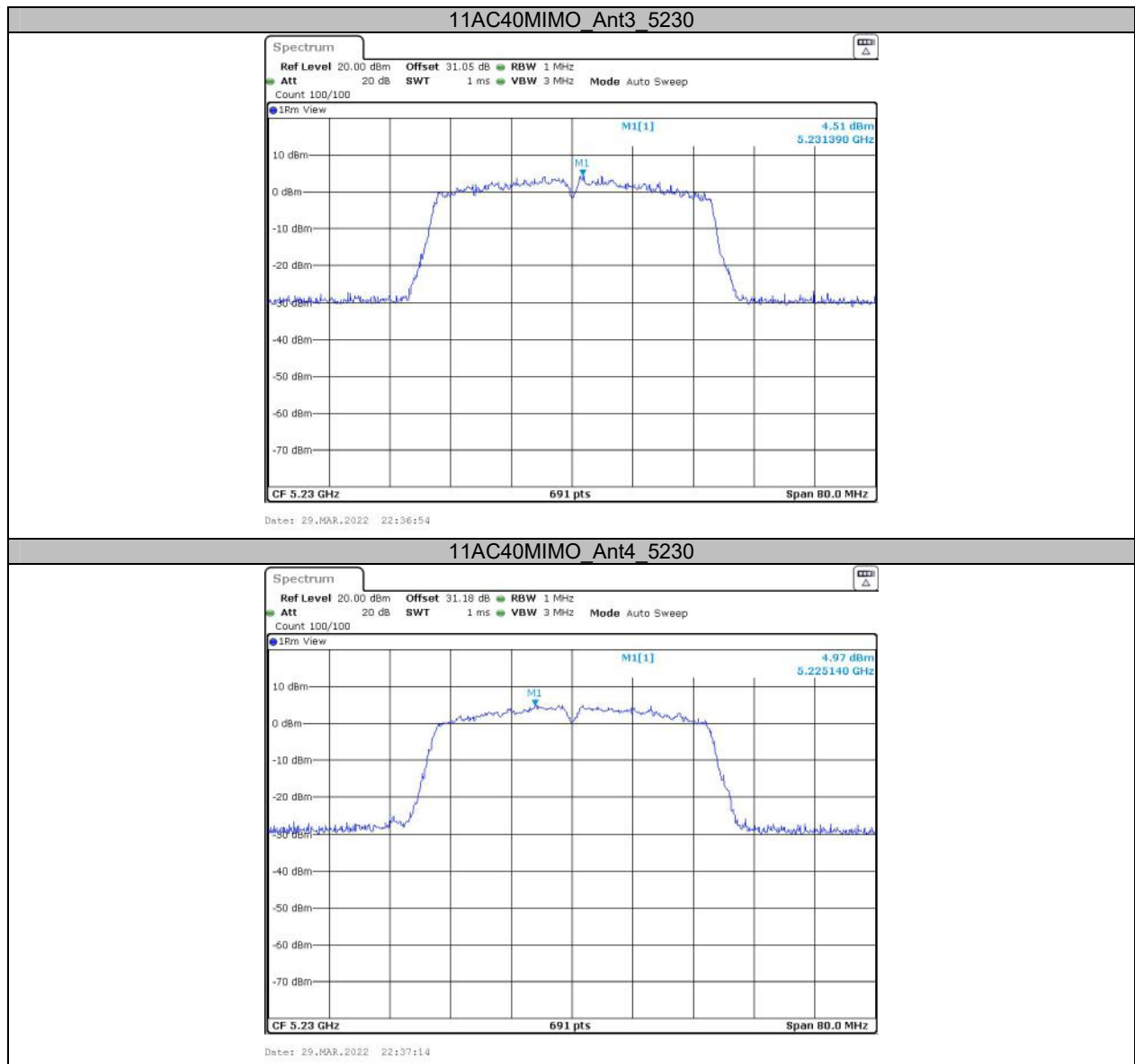


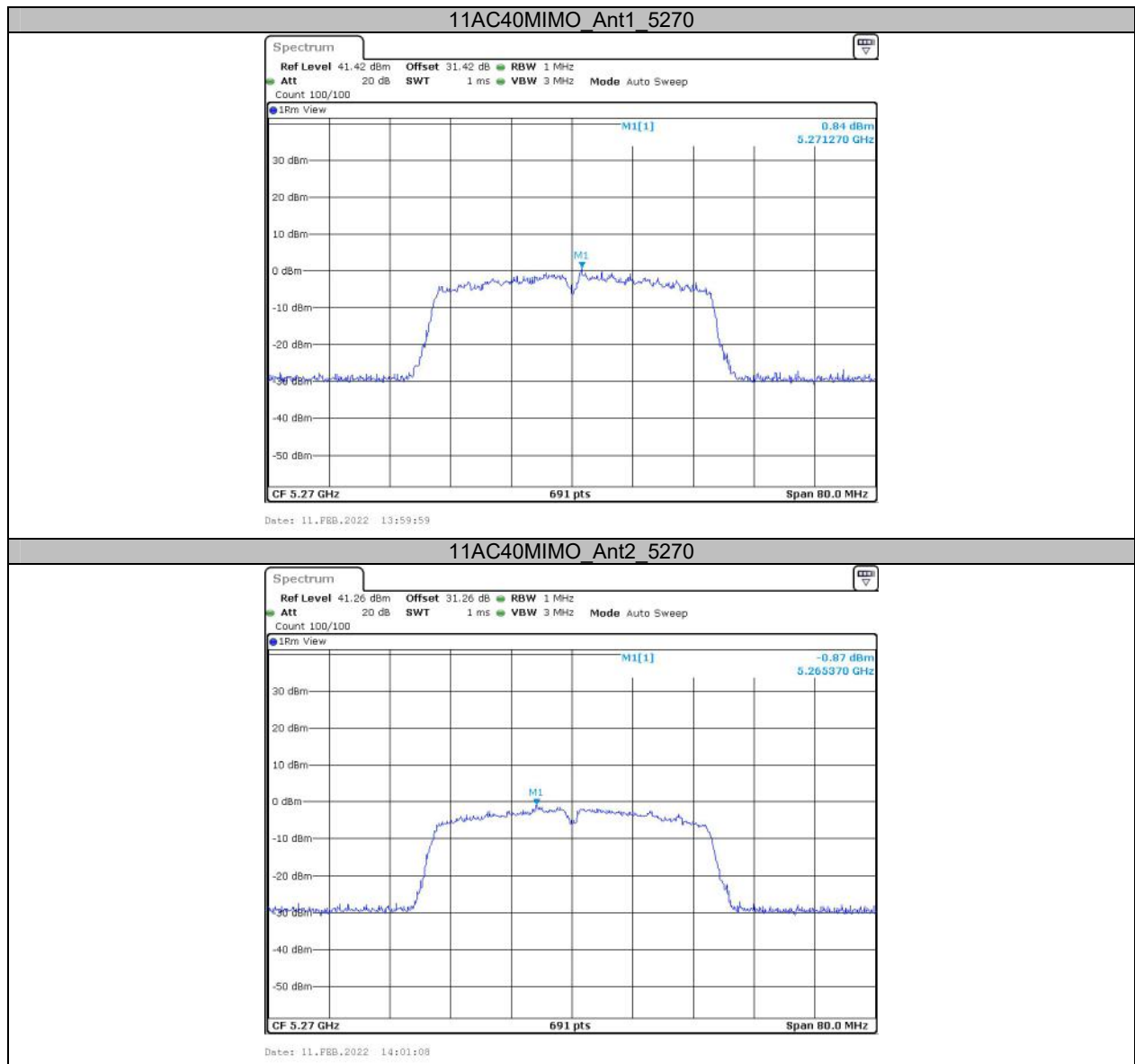


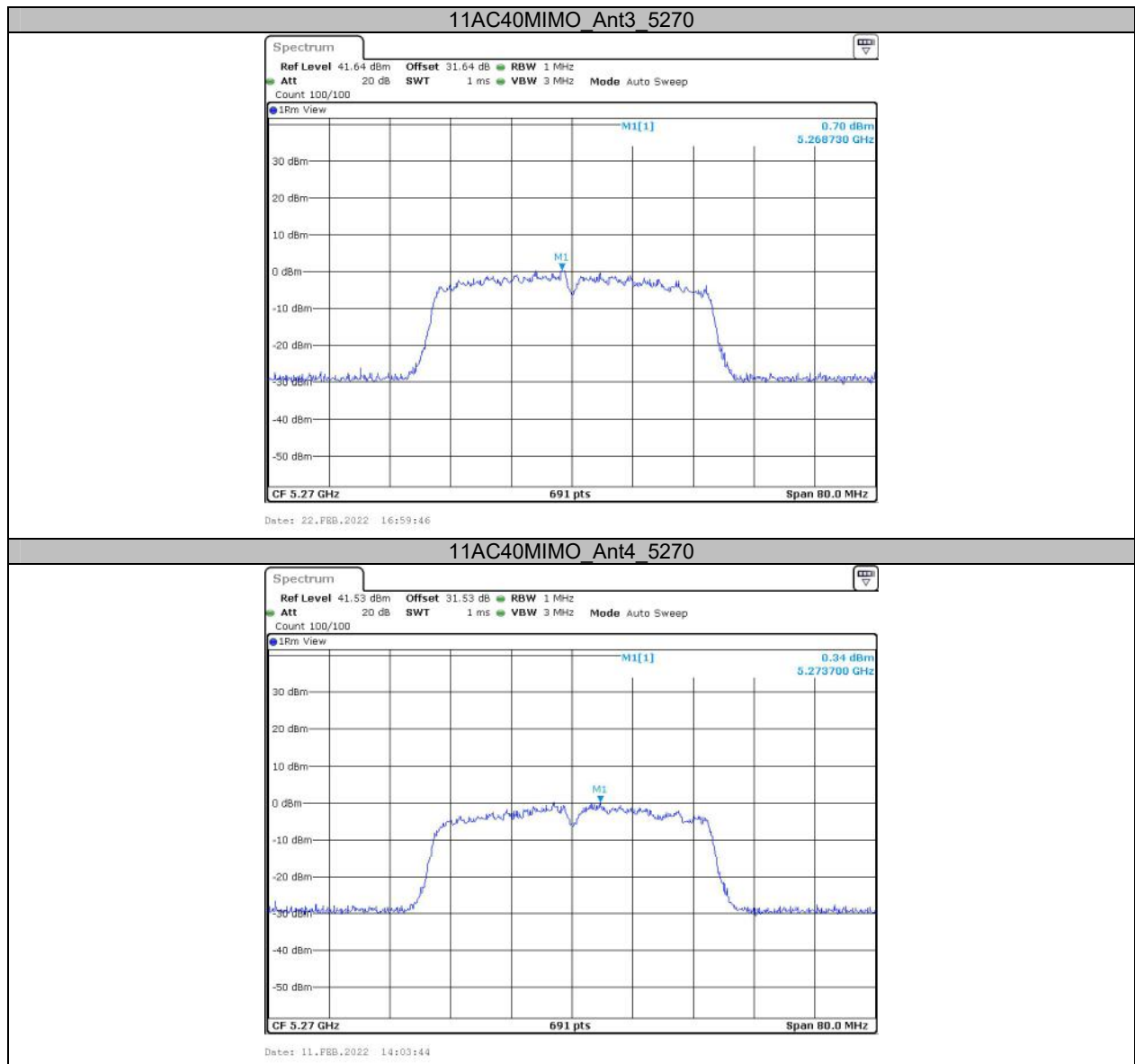


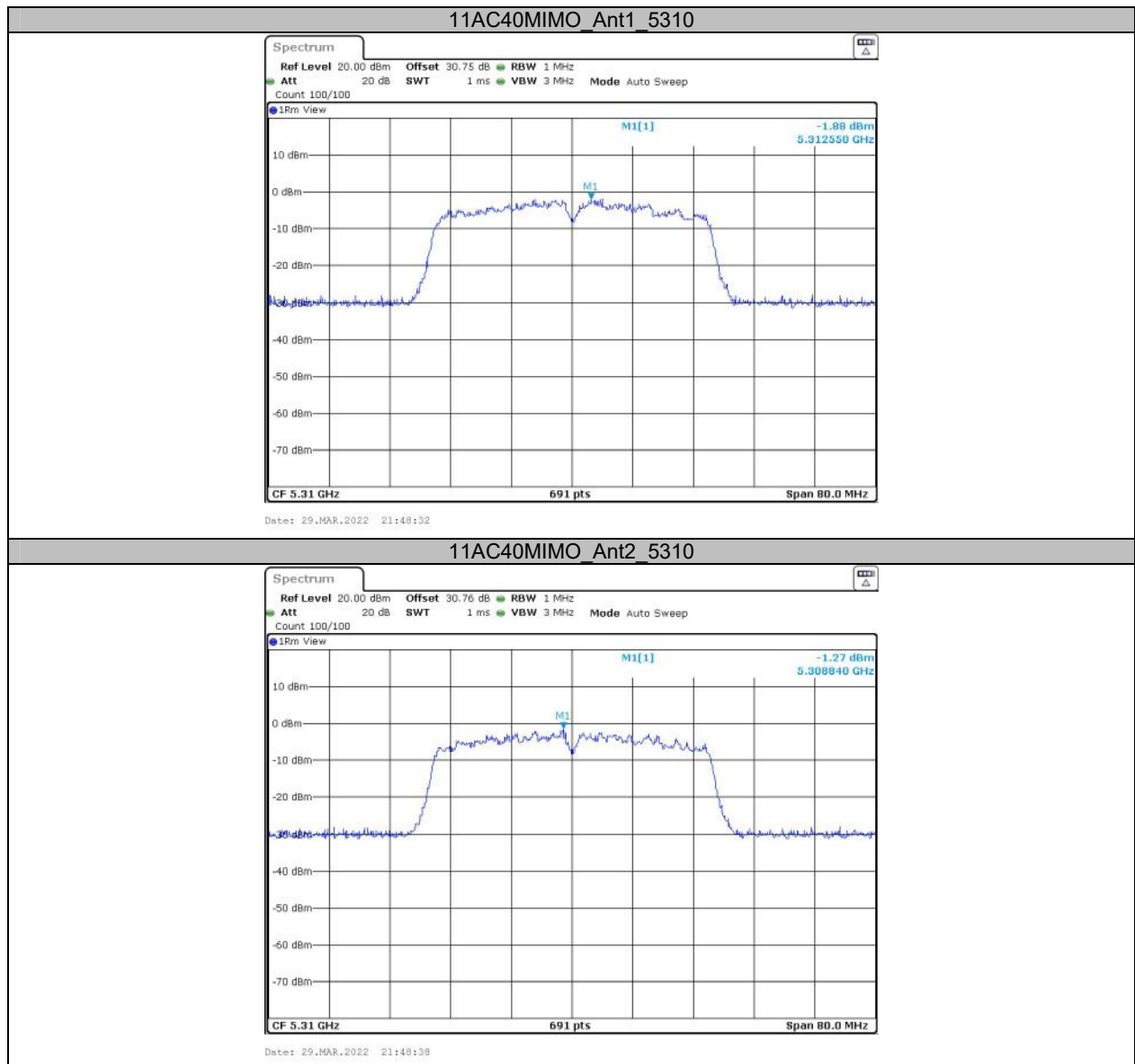


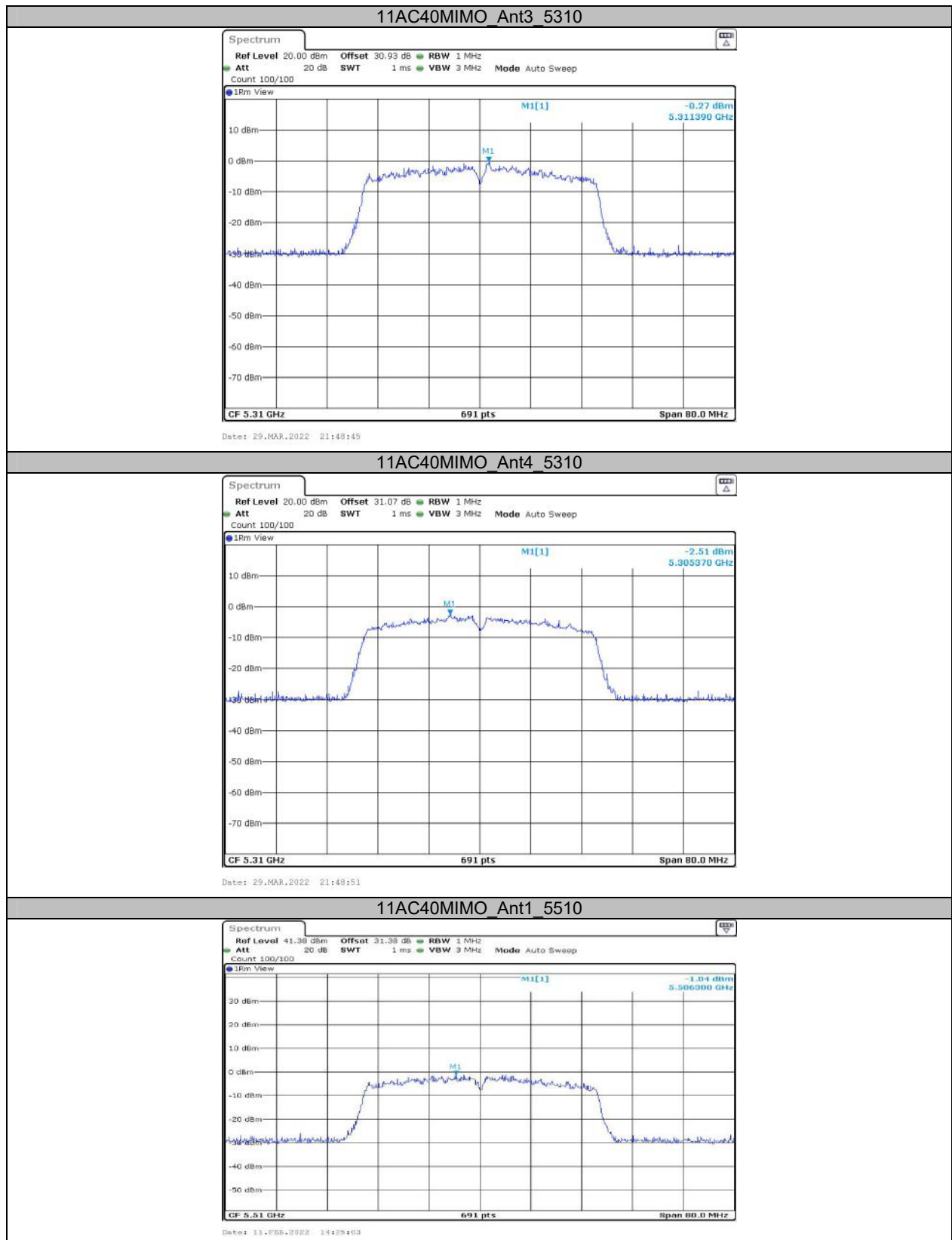












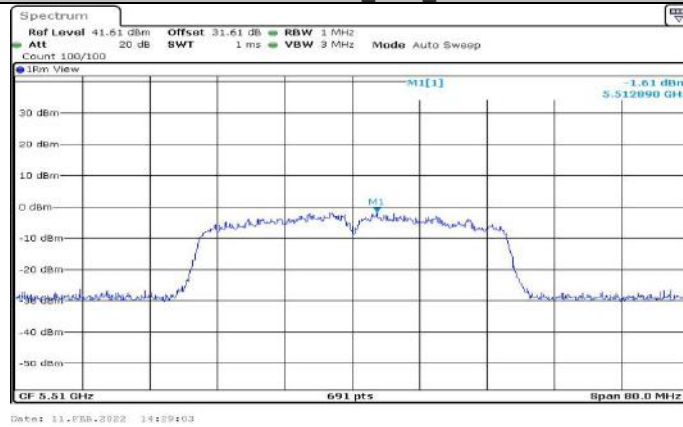




## 11AC40MIMO\_Ant3\_5510



## 11AC40MIMO\_Ant4\_5510



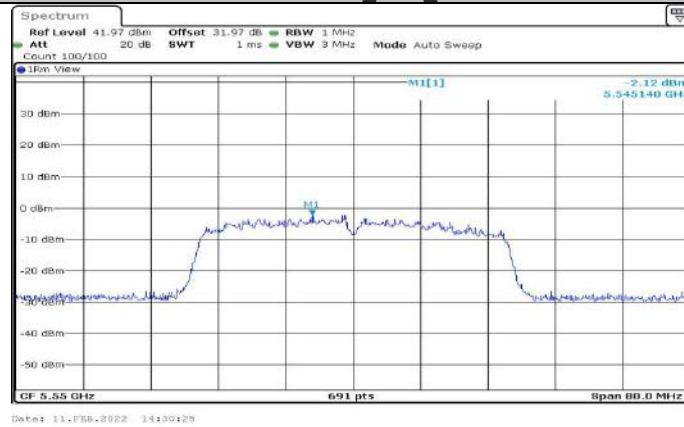
## 11AC40MIMO\_Ant1\_5550



## 11AC40MIMO\_Ant2\_5550



## 11AC40MIMO\_Ant3\_5550



## 11AC40MIMO\_Ant4\_5550



## 11AC40MIMO\_Ant1\_5670



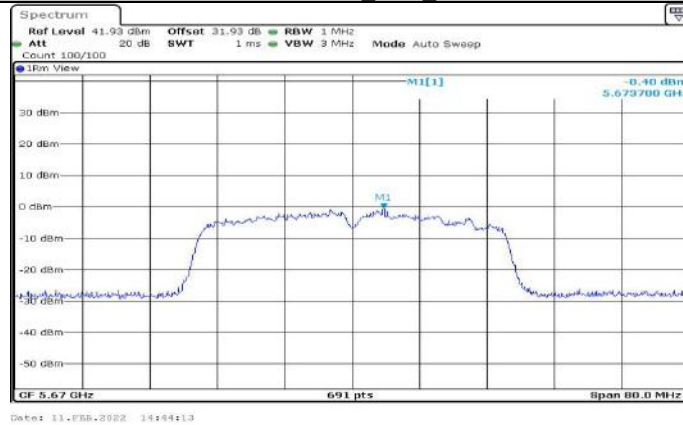
## 11AC40MIMO\_Ant2\_5670



## 11AC40MIMO\_Ant3\_5670



## 11AC40MIMO\_Ant4\_5670

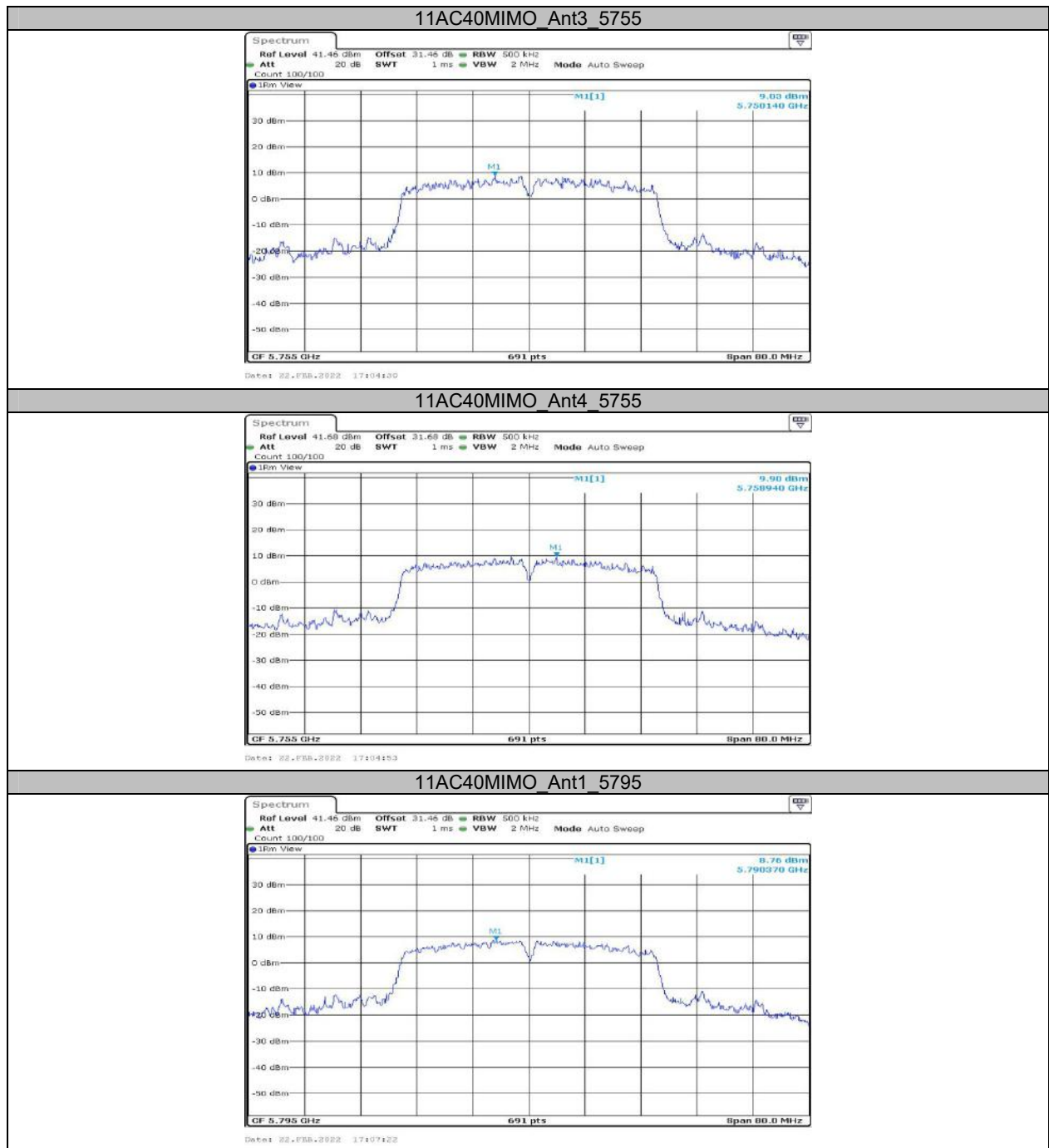


## 11AC40MIMO\_Ant1\_5755



## 11AC40MIMO\_Ant2\_5755





## 11AC40MIMO\_Ant2\_5795

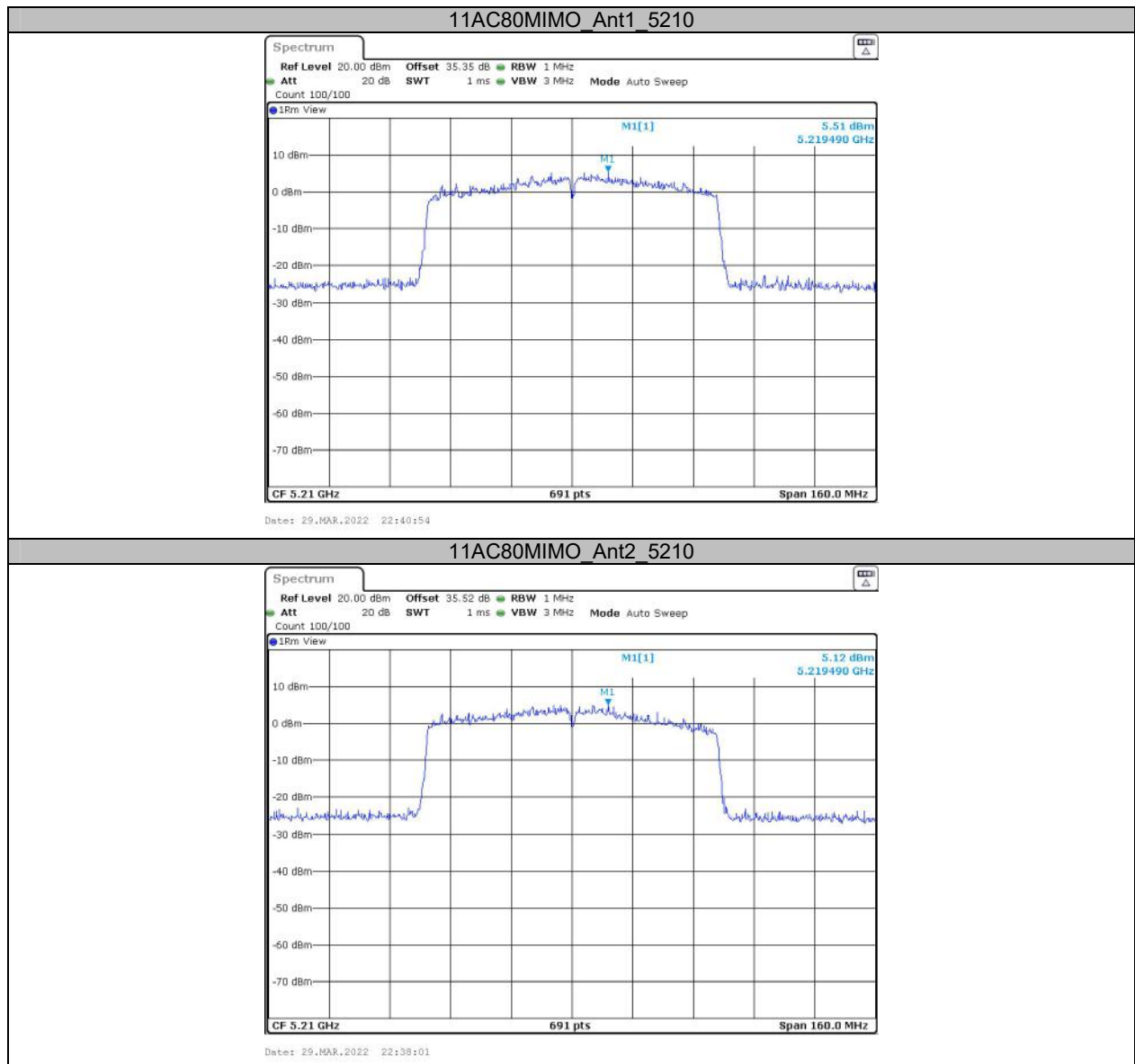


## 11AC40MIMO\_Ant3\_5795

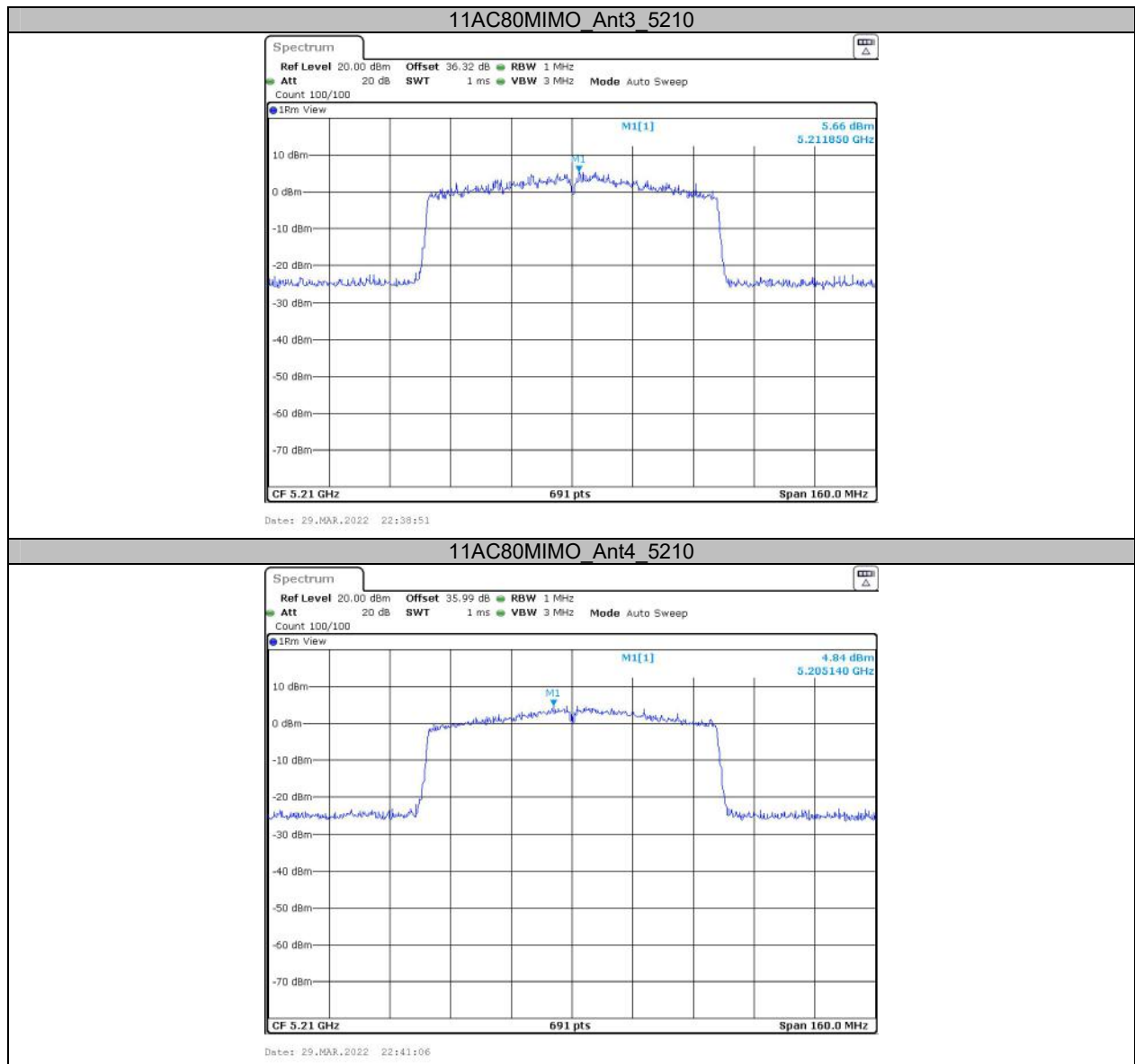


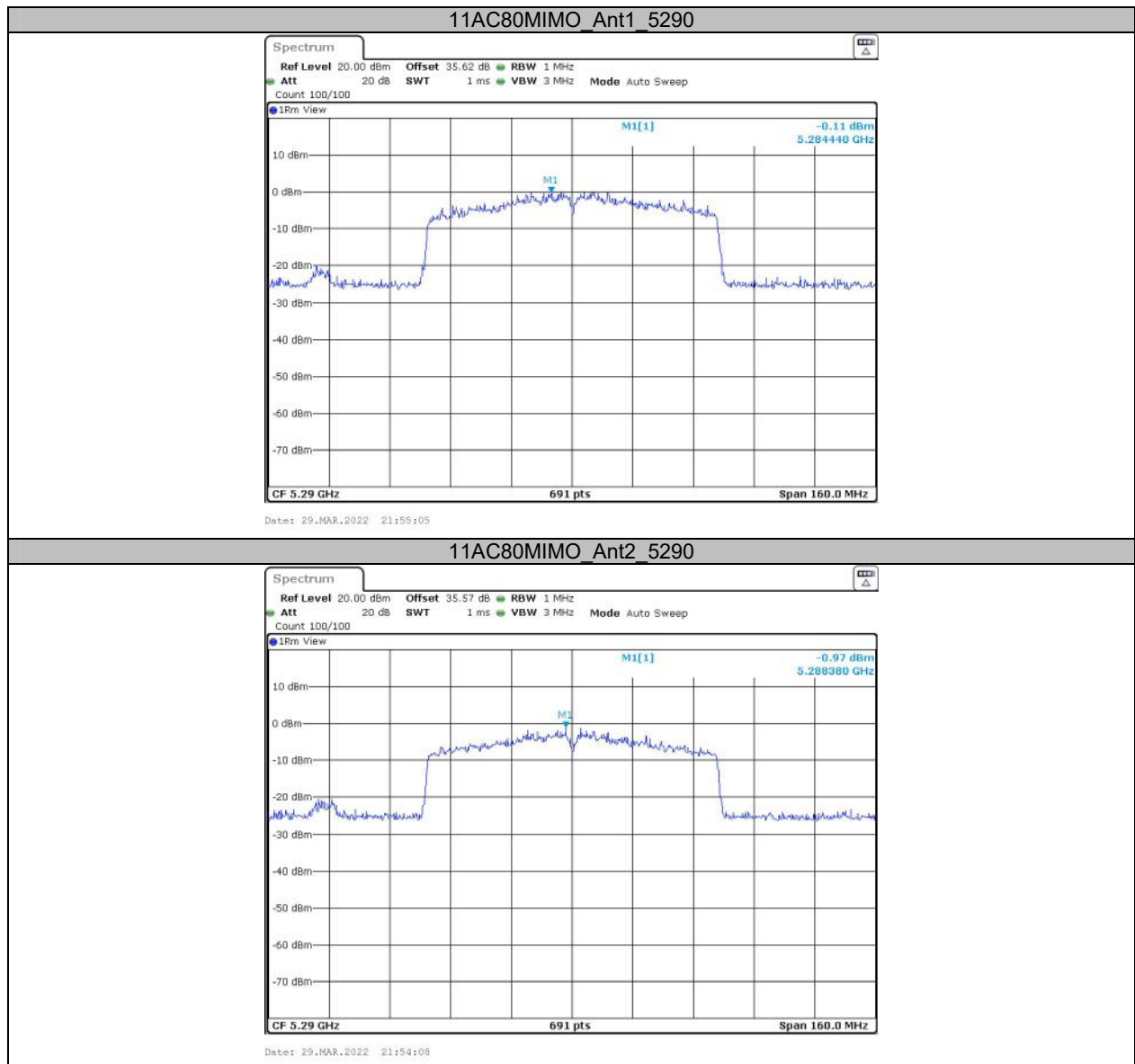
## 11AC40MIMO\_Ant4\_5795



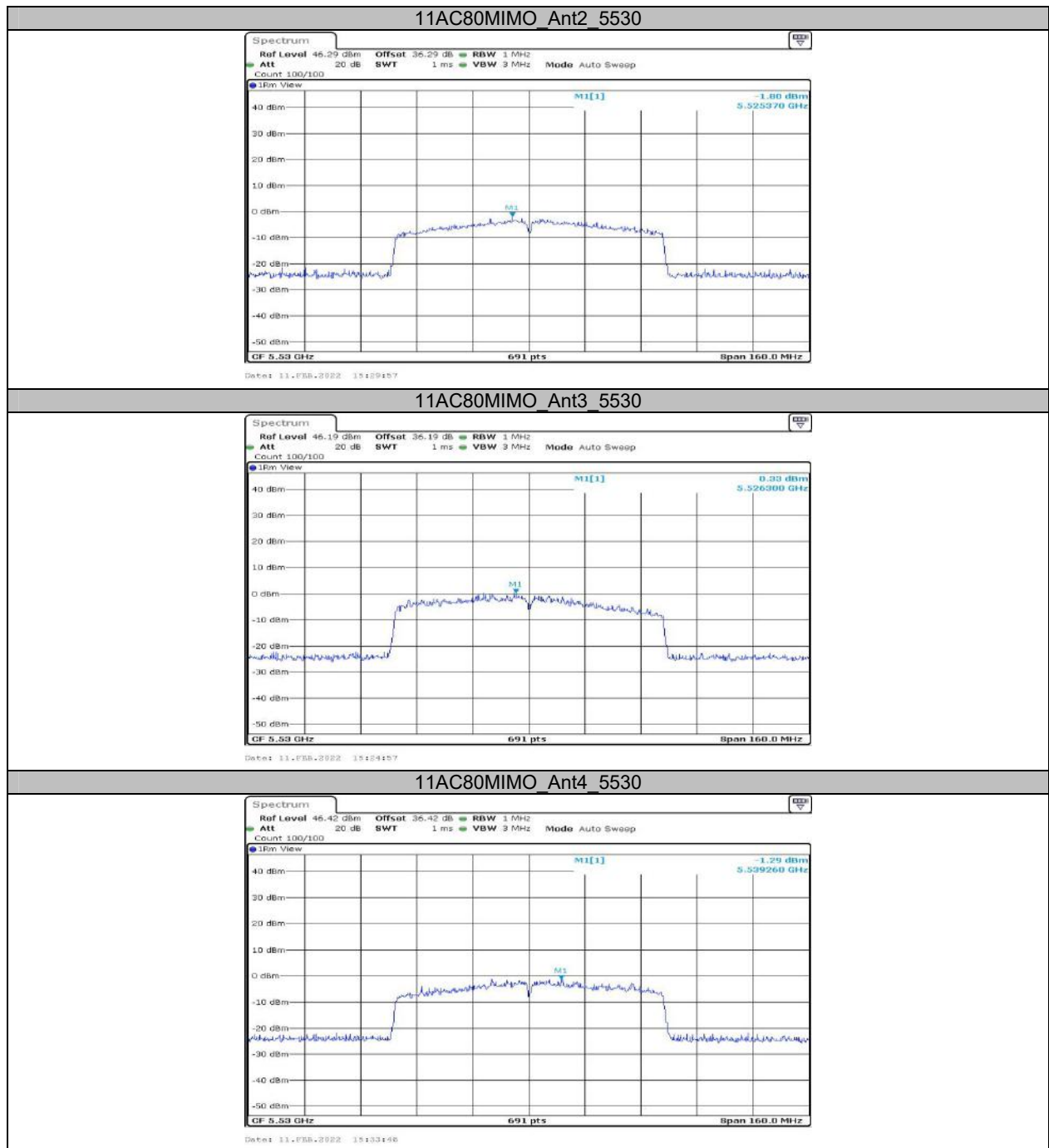


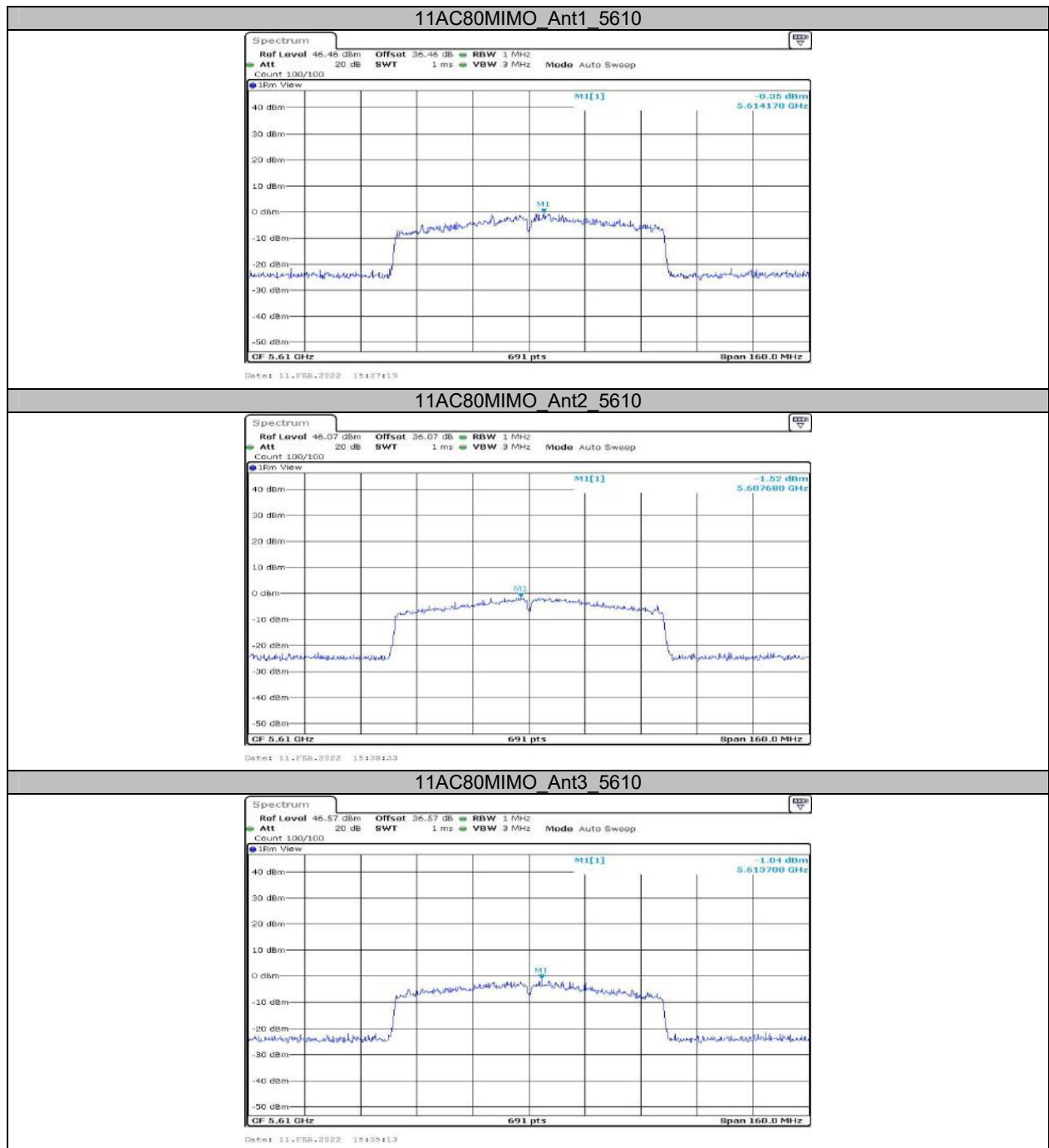


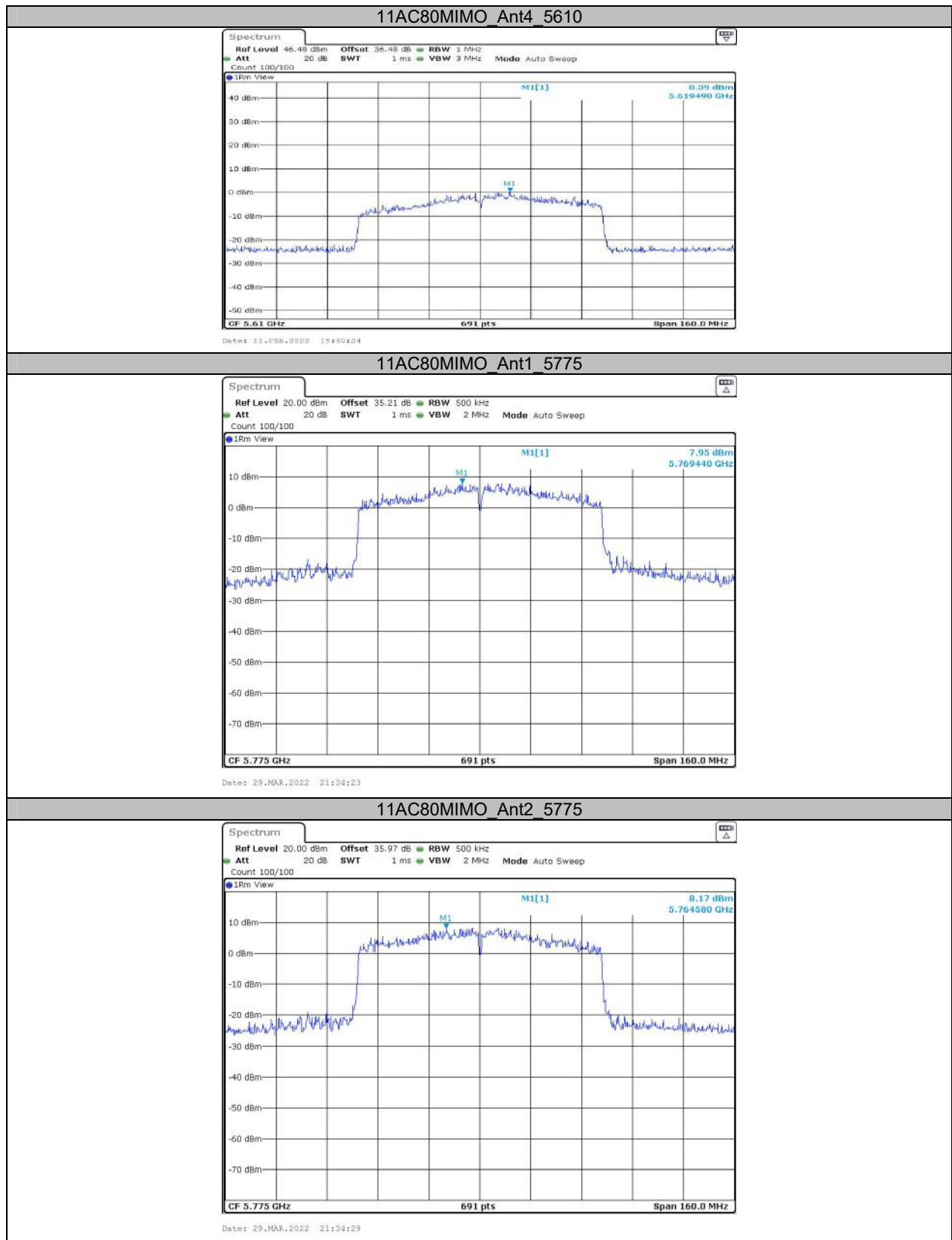


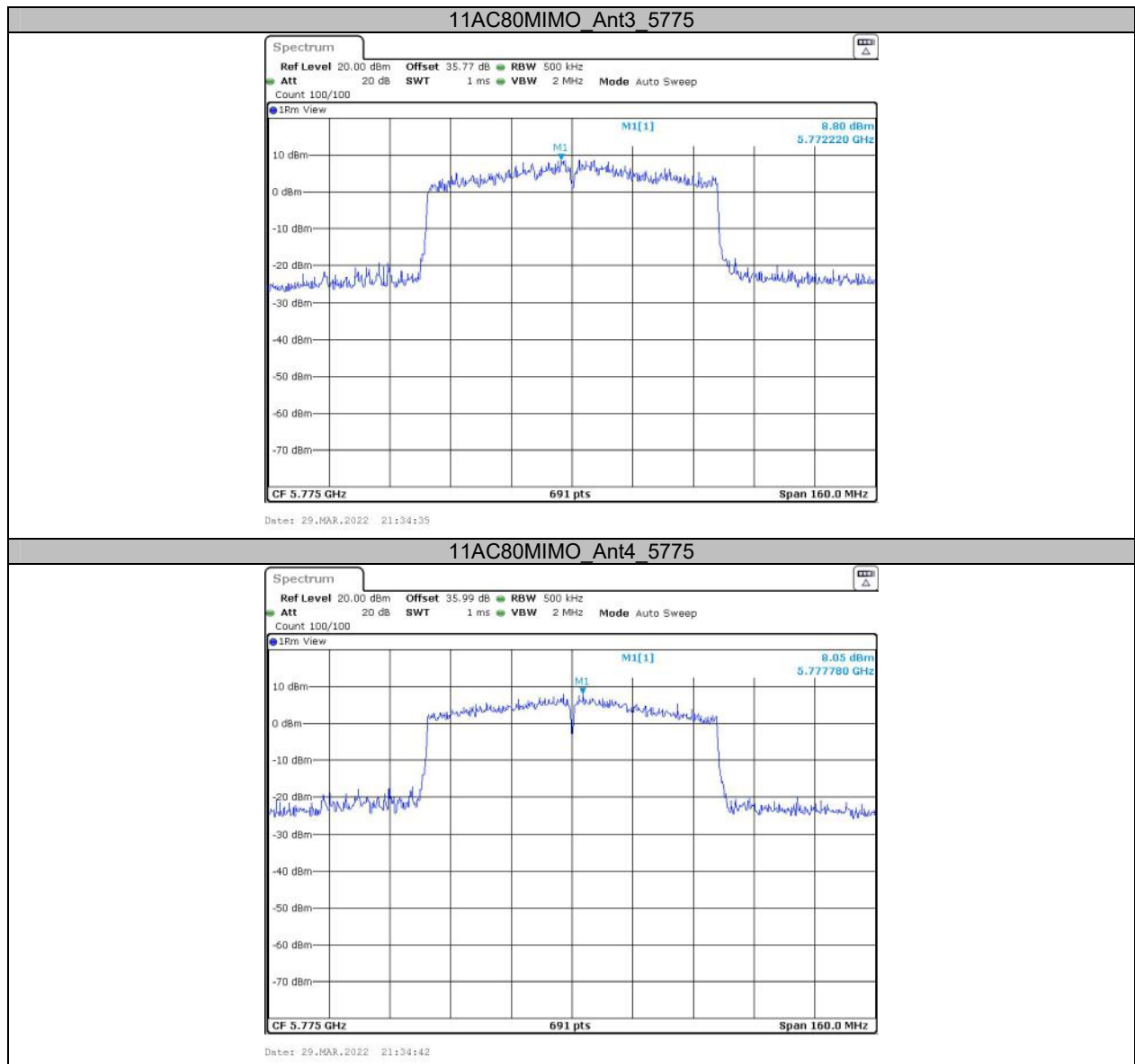










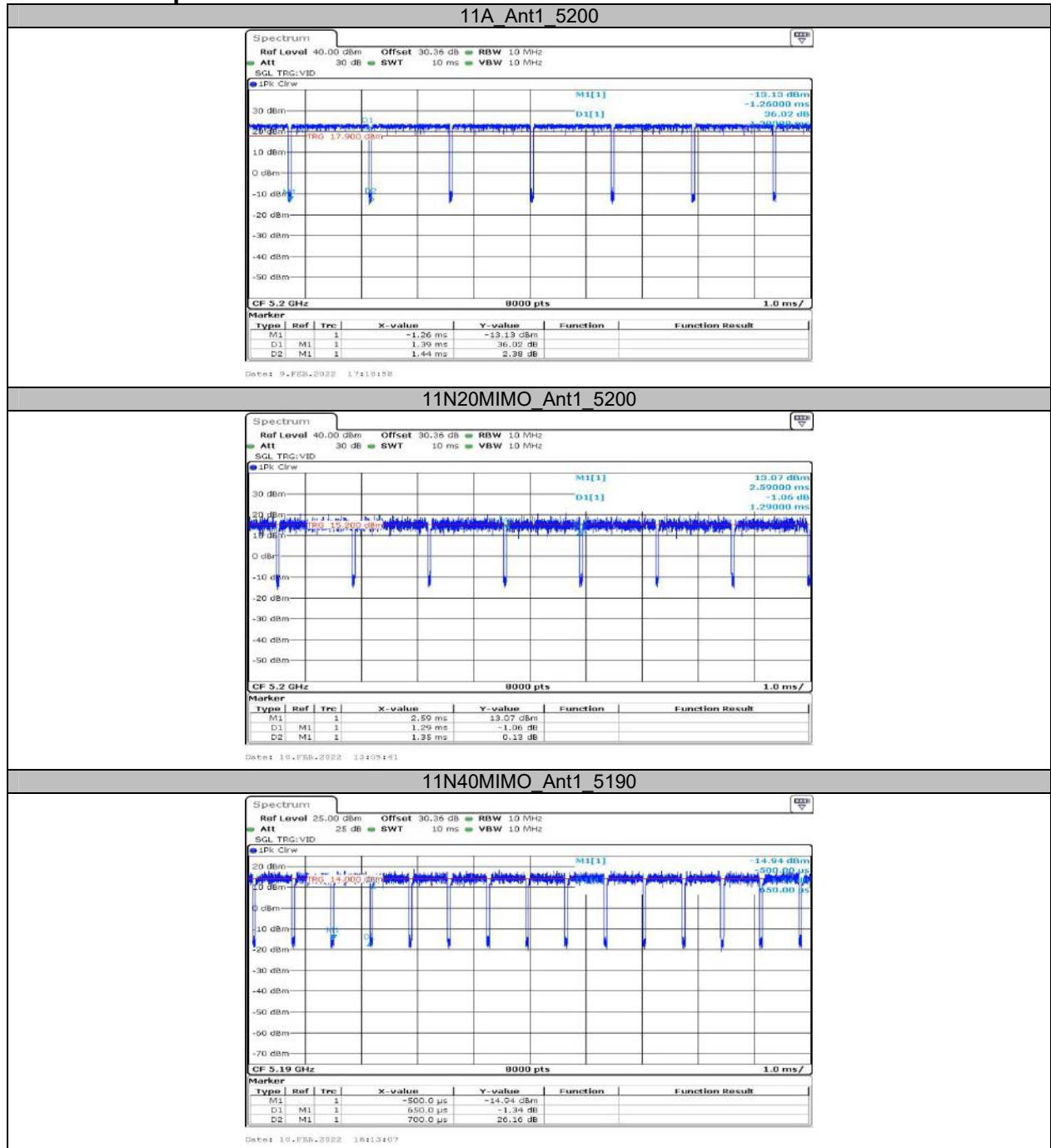


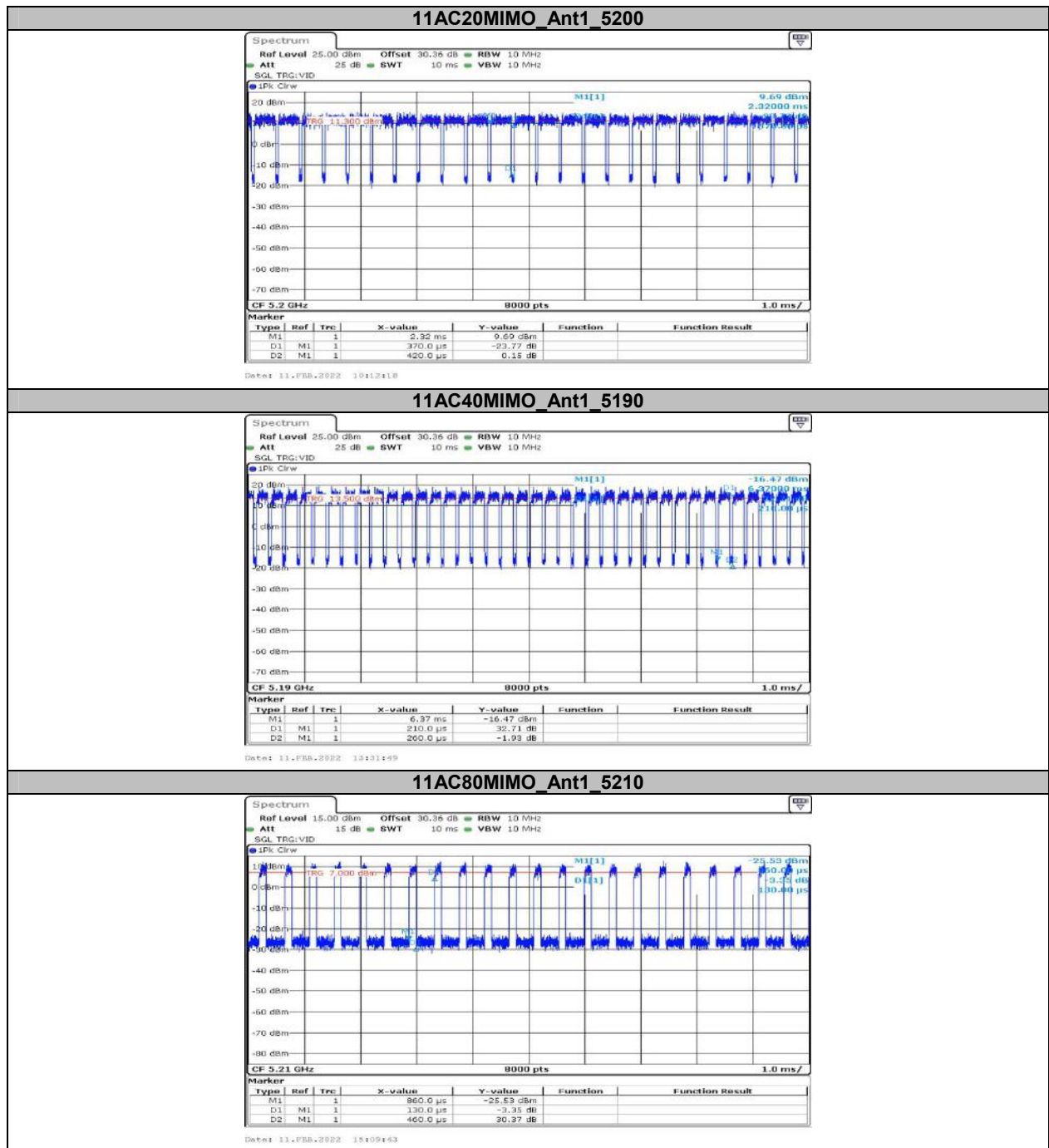
**Appendix D: Duty Cycle  
Test Result**

| Test Mode  | Antenna | Channel | Transmission<br>Duration [ms] | Transmission<br>Period [ms] | Duty Cycle [%] |
|------------|---------|---------|-------------------------------|-----------------------------|----------------|
| 11A        | Ant1    | 5200    | 1.39                          | 1.44                        | 96.53          |
| 11N20MIMO  | Ant1    | 5200    | 1.29                          | 1.35                        | 95.56          |
| 11N40MIMO  | Ant1    | 5190    | 0.65                          | 0.70                        | 92.86          |
| 11AC20MIMO | Ant1    | 5200    | 0.37                          | 0.42                        | 88.10          |
| 11AC40MIMO | Ant1    | 5190    | 0.21                          | 0.26                        | 80.77          |
| 11AC80MIMO | Ant1    | 5210    | 0.13                          | 0.46                        | 28.26          |



## Test Graphs





\*\*\*\*\* END OF REPORT \*\*\*\*\*