

## Appendix C: Maximum conducted output power

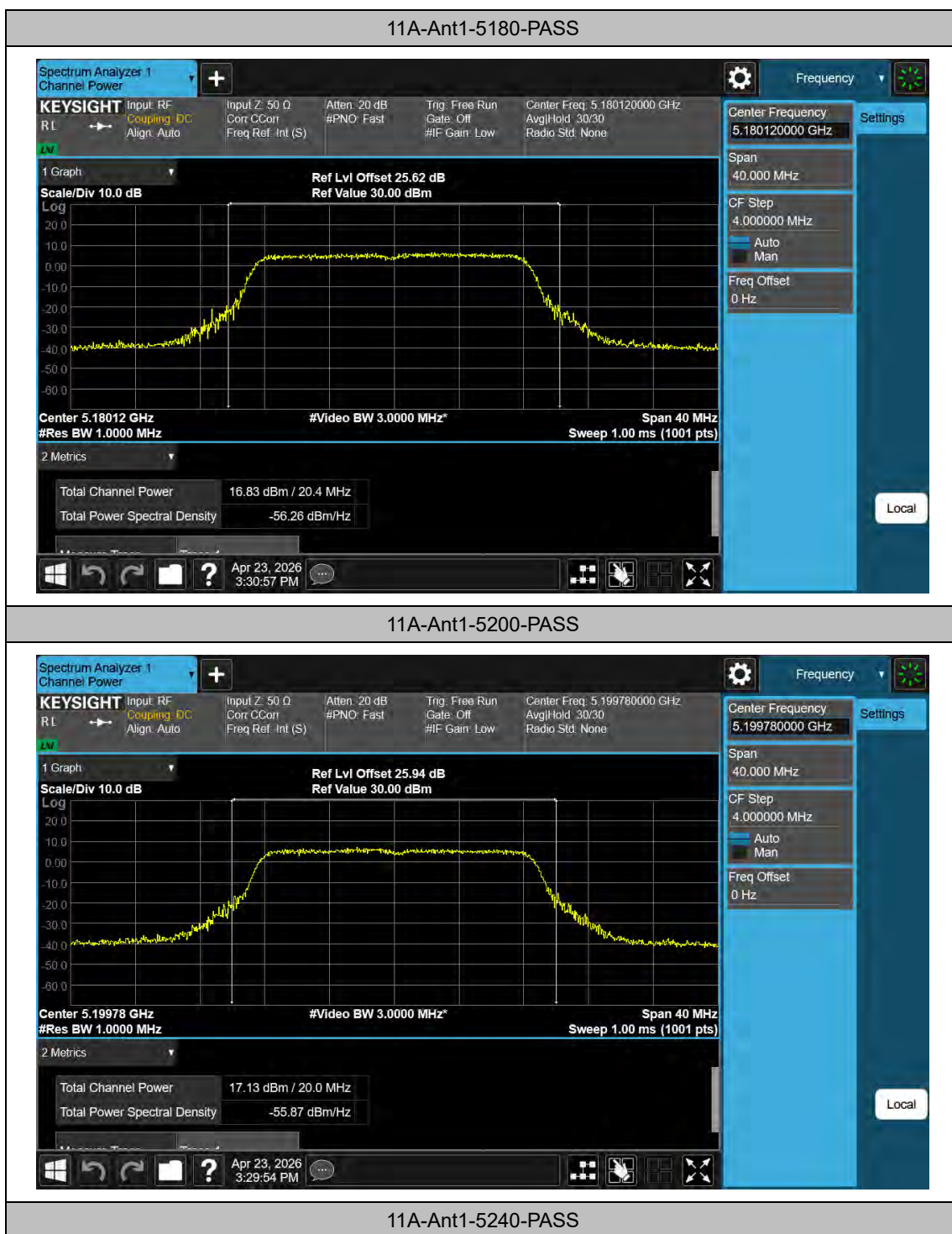
### Test Result Channel Power

| Test Mode   | Antenna | Frequency [MHz] | Channel Power [dBm] | Duty Cycle [%] | DC Factor [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-------------|---------|-----------------|---------------------|----------------|-----------------|--------------|-------------|---------|
| 11A         | Ant1    | 5180            | 14.17               | 54.16          | 2.66            | 16.83        | ≤23.98      | PASS    |
| 11A         | Ant1    | 5200            | 14.47               | 54.16          | 2.66            | 17.13        | ≤23.98      | PASS    |
| 11A         | Ant1    | 5240            | 14.62               | 54.29          | 2.65            | 17.27        | ≤23.98      | PASS    |
| 11A         | Ant1    | 5260            | 16.64               | 54.16          | 2.66            | 19.30        | ≤23.98      | PASS    |
| 11A         | Ant1    | 5300            | 16.79               | 54.26          | 2.66            | 19.45        | ≤23.98      | PASS    |
| 11A         | Ant1    | 5320            | 16.59               | 54.26          | 2.66            | 19.25        | ≤23.98      | PASS    |
| 11A         | Ant1    | 5500            | 14.97               | 54.26          | 2.66            | 17.63        | ≤23.98      | PASS    |
| 11A         | Ant1    | 5580            | 14.79               | 54.16          | 2.66            | 17.45        | ≤23.98      | PASS    |
| 11A         | Ant1    | 5700            | 17.56               | 54.26          | 2.66            | 20.22        | ≤23.98      | PASS    |
| 11A         | Ant1    | 5720_UN II-2C   | 16.39               | 54.35          | 2.65            | 19.04        | ≤22.82      | PASS    |
| 11A         | Ant1    | 5720_UN II-3    | 7.29                | 54.35          | 2.65            | 9.94         | ≤30.00      | PASS    |
| 11A         | Ant1    | 5745            | 17.06               | 54.26          | 2.66            | 19.72        | ≤30.00      | PASS    |
| 11A         | Ant1    | 5785            | 17.98               | 54.46          | 2.64            | 20.62        | ≤30.00      | PASS    |
| 11A         | Ant1    | 5825            | 15.93               | 54.16          | 2.66            | 18.59        | ≤30.00      | PASS    |
| 11AX20SI SO | Ant1    | 5180            | 12.41               | 38.12          | 4.19            | 16.60        | ≤23.98      | PASS    |
| 11AX20SI SO | Ant1    | 5200            | 13.69               | 38.12          | 4.19            | 17.88        | ≤23.98      | PASS    |
| 11AX20SI SO | Ant1    | 5240            | 13.16               | 38.22          | 4.18            | 17.34        | ≤23.98      | PASS    |
| 11AX20SI SO | Ant1    | 5260            | 14.29               | 38.42          | 4.15            | 18.44        | ≤23.98      | PASS    |
| 11AX20SI SO | Ant1    | 5300            | 14.77               | 38.12          | 4.19            | 18.96        | ≤23.98      | PASS    |
| 11AX20SI SO | Ant1    | 5320            | 14.42               | 38.22          | 4.18            | 18.60        | ≤23.98      | PASS    |
| 11AX20SI SO | Ant1    | 5500            | 13.98               | 38.12          | 4.19            | 18.17        | ≤23.98      | PASS    |
| 11AX20SI SO | Ant1    | 5580            | 13.82               | 38.12          | 4.19            | 18.01        | ≤23.98      | PASS    |
| 11AX20SI SO | Ant1    | 5700            | 14.39               | 38.22          | 4.18            | 18.57        | ≤23.98      | PASS    |
| 11AX20SI SO | Ant1    | 5720_UN II-2C   | 13.69               | 38.12          | 4.19            | 17.88        | ≤23.10      | PASS    |
| 11AX20SI    | Ant1    | 5720_UN         | 2.78                | 38.12          | 4.19            | 6.97         | ≤30.00      | PASS    |

|                |      |      |       |       |      |       |        |      |
|----------------|------|------|-------|-------|------|-------|--------|------|
| SO             |      | II-3 |       |       |      |       |        |      |
| 11AX20SI<br>SO | Ant1 | 5745 | 13.73 | 38.22 | 4.18 | 17.91 | ≤30.00 | PASS |
| 11AX20SI<br>SO | Ant1 | 5785 | 15.54 | 38.12 | 4.19 | 19.73 | ≤30.00 | PASS |
| 11AX20SI<br>SO | Ant1 | 5825 | 14.00 | 38.22 | 4.18 | 18.18 | ≤30.00 | PASS |

Note: The Duty Cycle Factor is compensated in the graph.

## Test Graphs Channel Power





11A-Ant1-5260-PASS



11A-Ant1-5300-PASS



11A-Ant1-5320-PASS



11A-Ant1-5500-PASS



11A-Ant1-5580-PASS



11A-Ant1-5700-PASS



11A-Ant1-5720\_UNII-2C-PASS



11A-Ant1-5720\_UNII-3-PASS



11A-Ant1-5745-PASS



11A-Ant1-5785-PASS



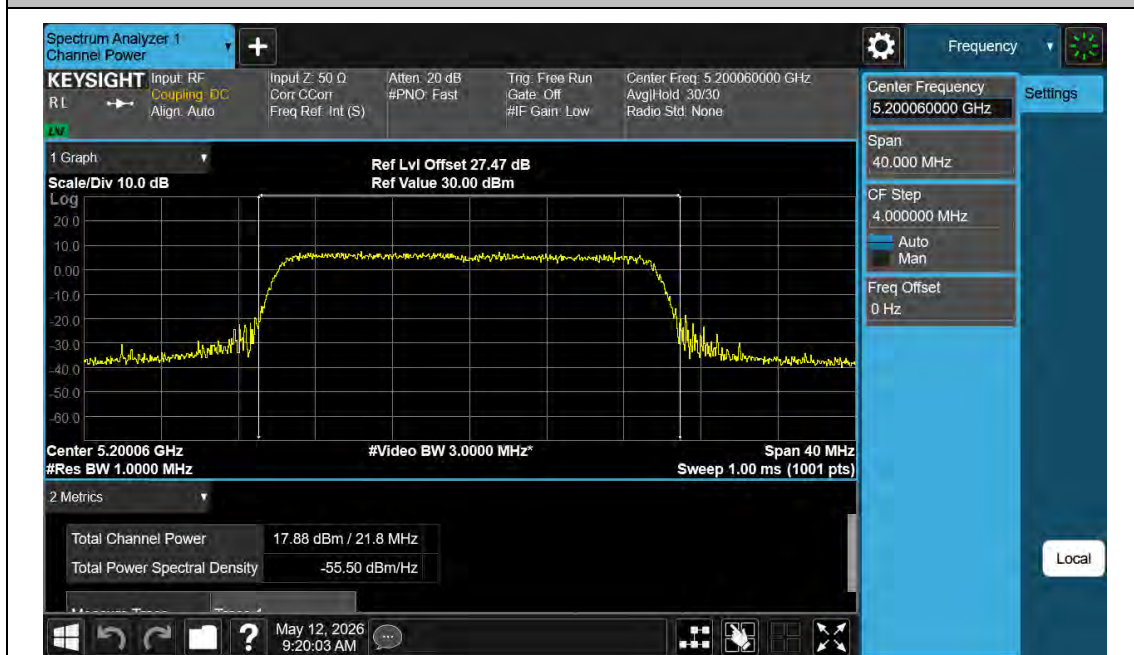
11A-Ant1-5825-PASS



11AX20SISO-Ant1-5180-PASS



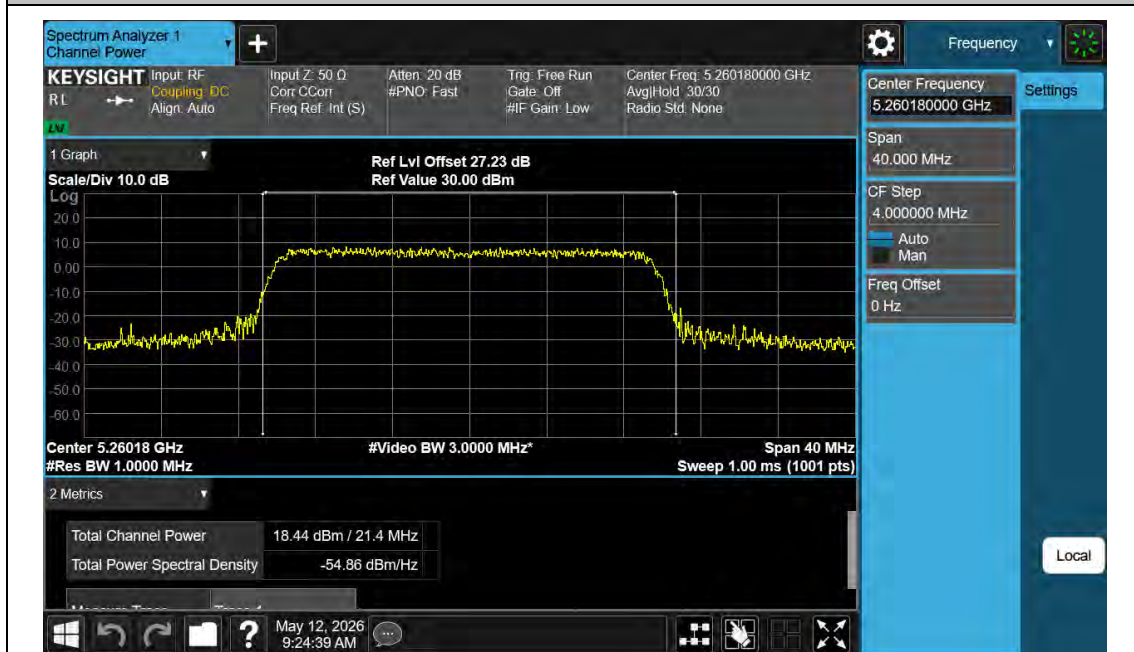
11AX20SISO-Ant1-5200-PASS



11AX20SISO-Ant1-5240-PASS



11AX20SISO-Ant1-5260-PASS



11AX20SISO-Ant1-5300-PASS



11AX20SISO-Ant1-5320-PASS



11AX20SISO-Ant1-5500-PASS



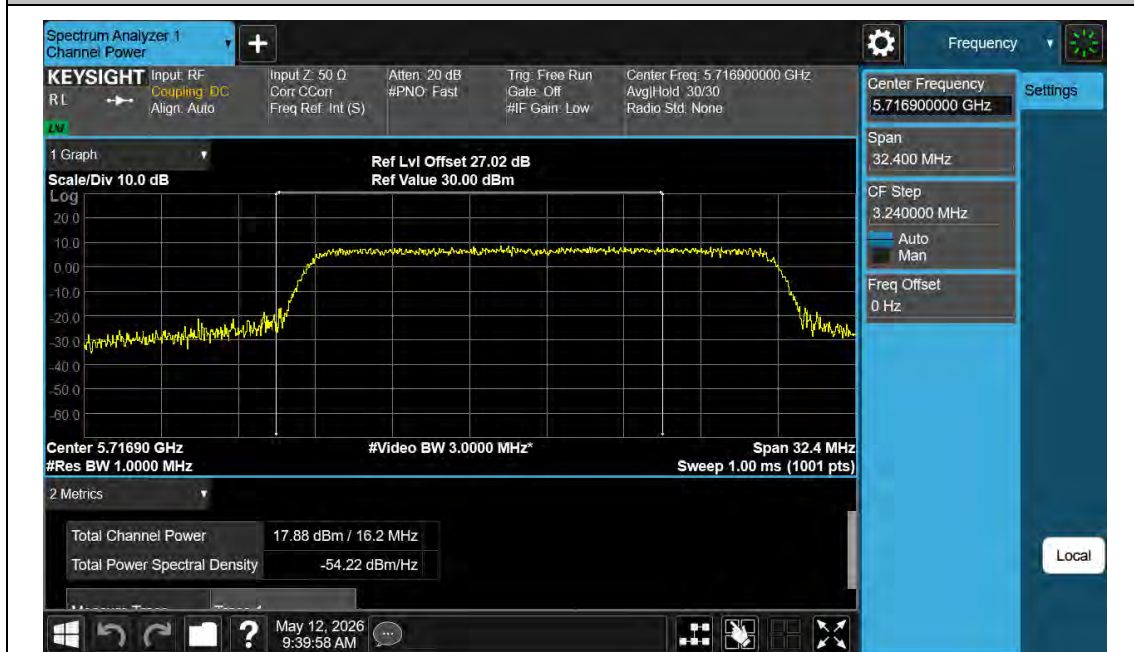
11AX20SISO-Ant1-5580-PASS



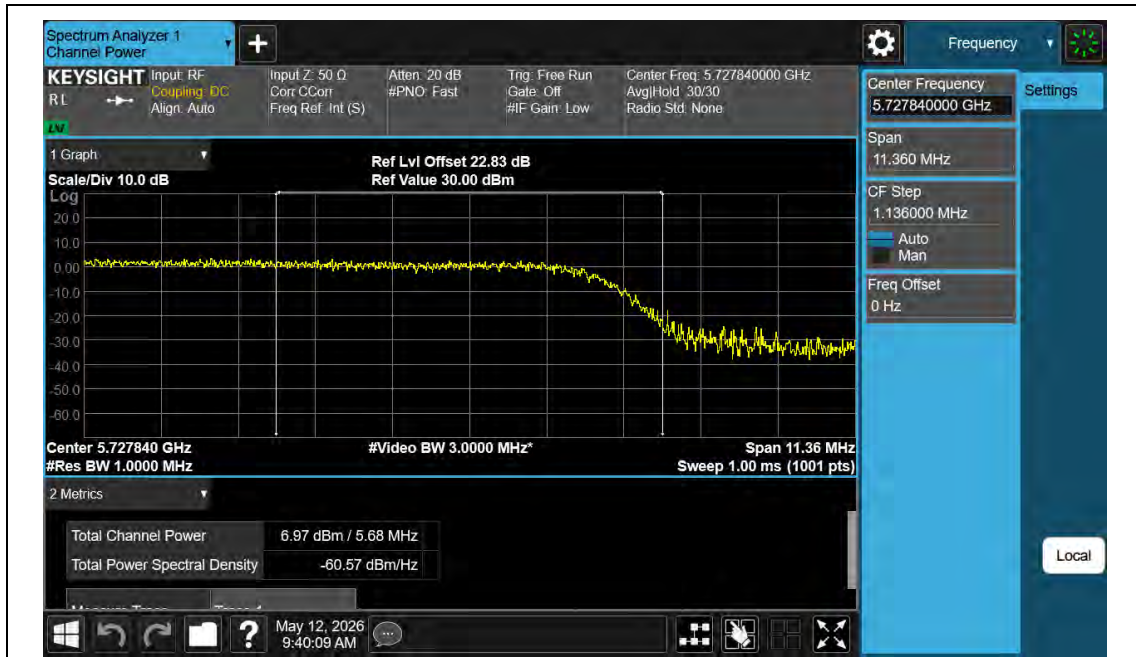
11AX20SISO-Ant1-5700-PASS



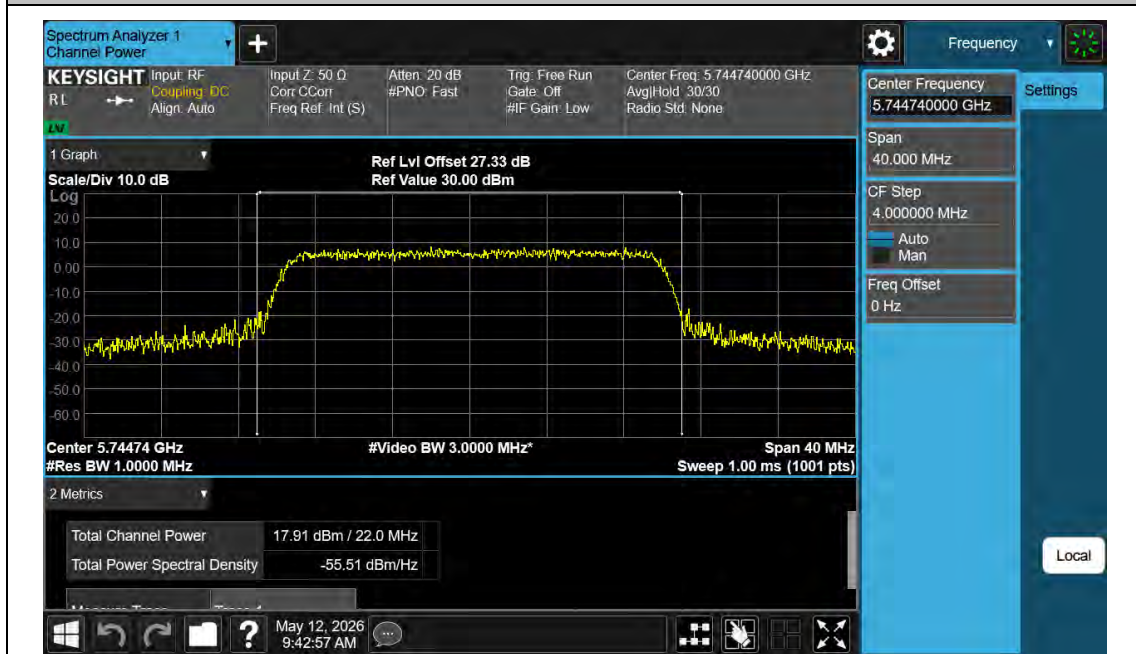
11AX20SISO-Ant1-5720\_UNII-2C-PASS



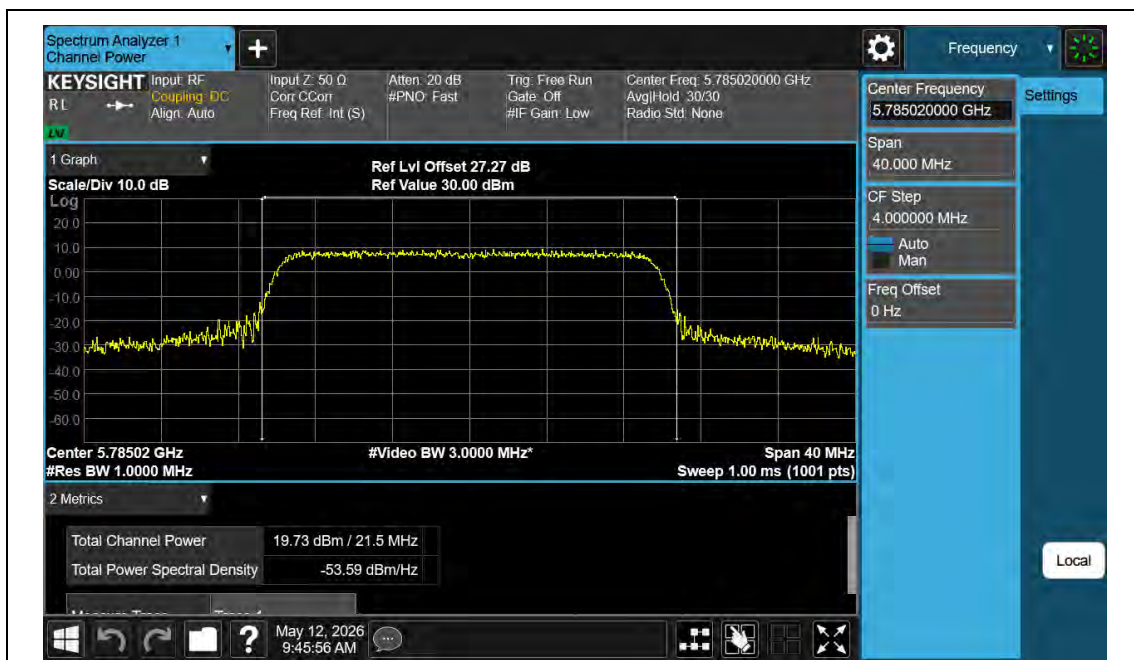
11AX20SISO-Ant1-5720\_UNII-3-PASS



11AX20SISO-Ant1-5745-PASS



11AX20SISO-Ant1-5785-PASS



11AX20SISO-Ant1-5825-PASS



## Appendix D: Maximum power spectral density

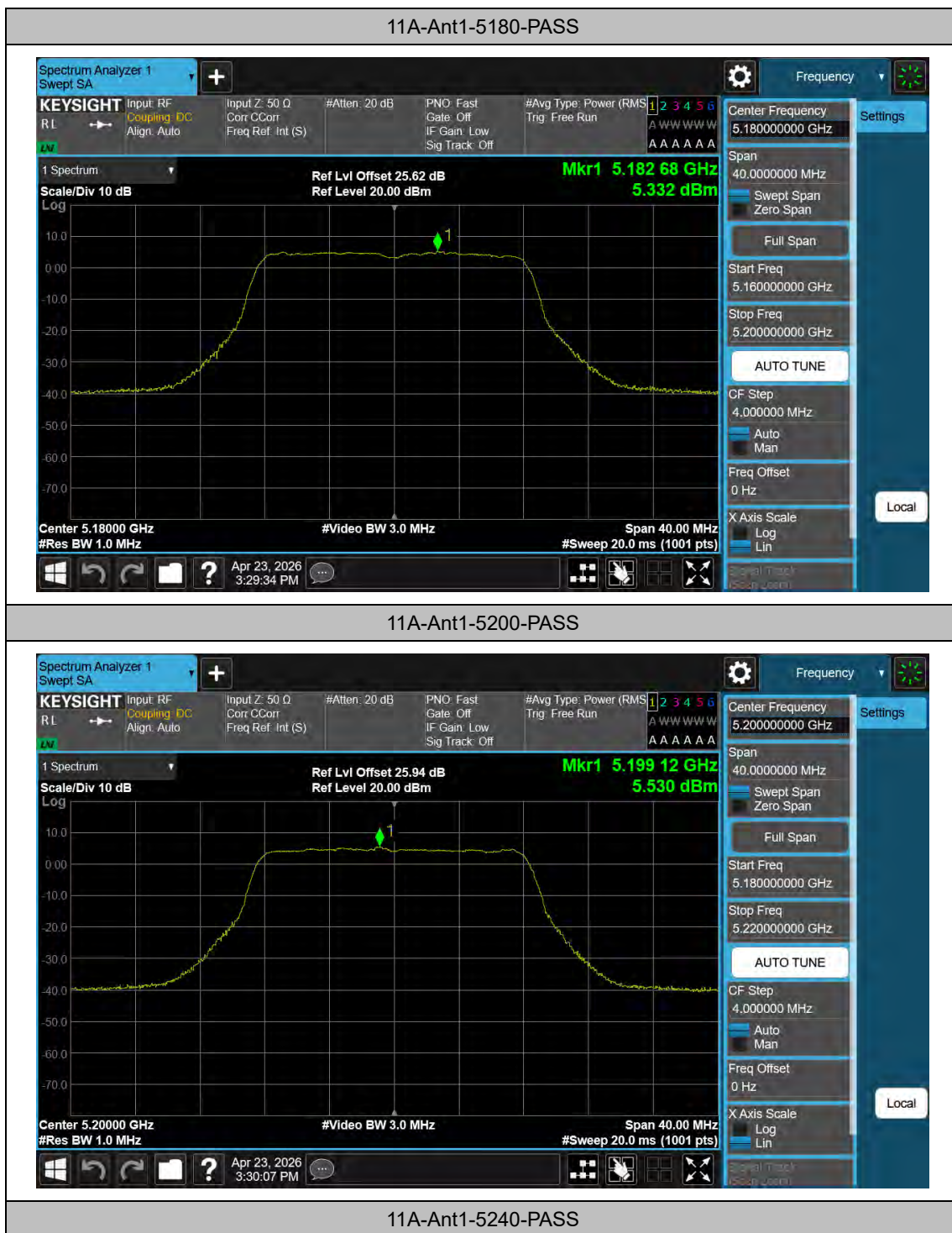
### Test Result

| TestMode   | Antenna | Frequency[MHz] | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|----------------|------------------|----------------|---------|
| 11A        | Ant1    | 5180           | 5.33             | ≤11.00         | PASS    |
| 11A        | Ant1    | 5200           | 5.53             | ≤11.00         | PASS    |
| 11A        | Ant1    | 5240           | 5.98             | ≤11.00         | PASS    |
| 11A        | Ant1    | 5260           | 7.86             | ≤11.00         | PASS    |
| 11A        | Ant1    | 5300           | 8.33             | ≤11.00         | PASS    |
| 11A        | Ant1    | 5320           | 8.38             | ≤11.00         | PASS    |
| 11A        | Ant1    | 5500           | 6.40             | ≤11.00         | PASS    |
| 11A        | Ant1    | 5580           | 6.29             | ≤11.00         | PASS    |
| 11A        | Ant1    | 5700           | 8.02             | ≤11.00         | PASS    |
| 11A        | Ant1    | 5720_UNII-2C   | 8.64             | ≤11.00         | PASS    |
| 11A        | Ant1    | 5720_UNII-3    | 4.97             | ≤30.00         | PASS    |
| 11A        | Ant1    | 5745           | 5.70             | ≤30.00         | PASS    |
| 11A        | Ant1    | 5785           | 6.25             | ≤30.00         | PASS    |
| 11A        | Ant1    | 5825           | 5.61             | ≤30.00         | PASS    |
| 11AX20SISO | Ant1    | 5180           | 6.00             | ≤11.00         | PASS    |
| 11AX20SISO | Ant1    | 5200           | 6.29             | ≤11.00         | PASS    |
| 11AX20SISO | Ant1    | 5240           | 5.71             | ≤11.00         | PASS    |
| 11AX20SISO | Ant1    | 5260           | 7.80             | ≤11.00         | PASS    |
| 11AX20SISO | Ant1    | 5300           | 7.13             | ≤11.00         | PASS    |
| 11AX20SISO | Ant1    | 5320           | 6.86             | ≤11.00         | PASS    |
| 11AX20SISO | Ant1    | 5500           | 6.94             | ≤11.00         | PASS    |
| 11AX20SISO | Ant1    | 5580           | 6.56             | ≤11.00         | PASS    |
| 11AX20SISO | Ant1    | 5700           | 7.37             | ≤11.00         | PASS    |
| 11AX20SISO | Ant1    | 5720_UNII-2C   | 7.37             | ≤11.00         | PASS    |
| 11AX20SISO | Ant1    | 5720_UNII-3    | 4.02             | ≤30.00         | PASS    |
| 11AX20SISO | Ant1    | 5745           | 4.43             | ≤30.00         | PASS    |
| 11AX20SISO | Ant1    | 5785           | 5.32             | ≤30.00         | PASS    |
| 11AX20SISO | Ant1    | 5825           | 4.33             | ≤30.00         | PASS    |

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

## Test Graphs





11A-Ant1-5260-PASS



11A-Ant1-5300-PASS



11A-Ant1-5320-PASS



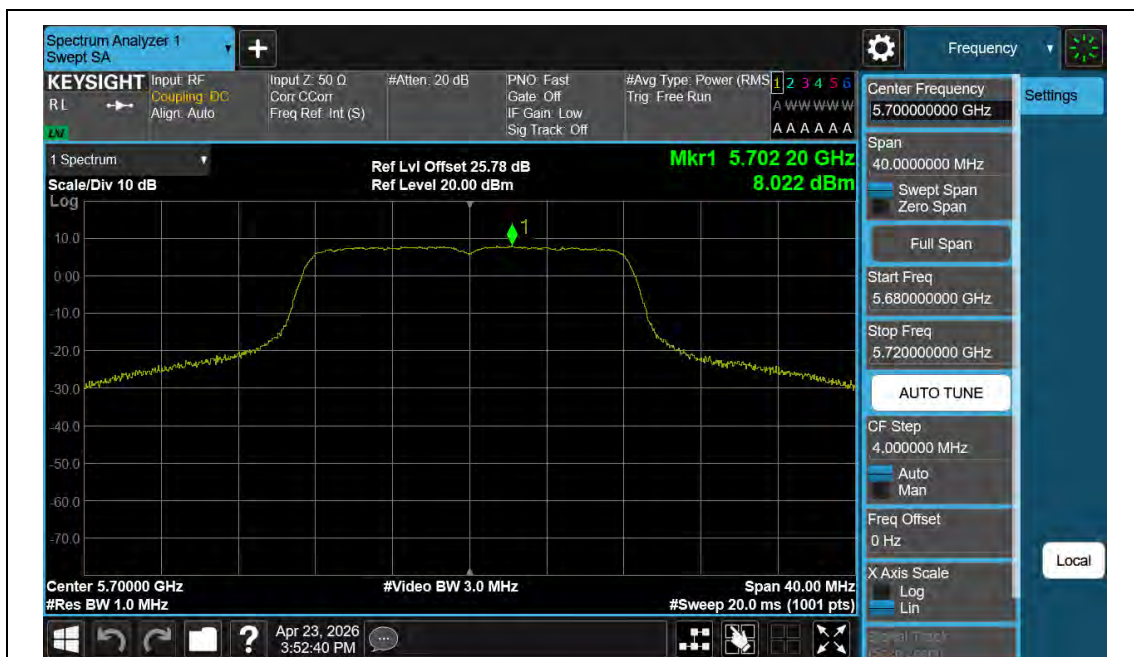
11A-Ant1-5500-PASS



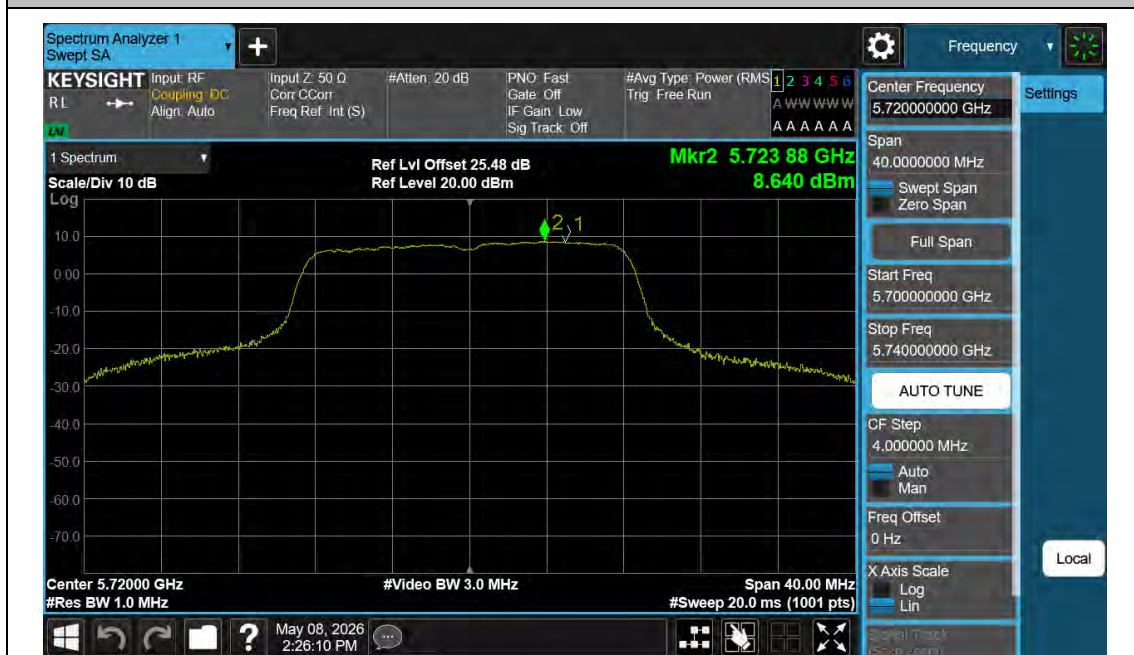
11A-Ant1-5580-PASS



11A-Ant1-5700-PASS



11A-Ant1-5720\_UNII-2C-PASS



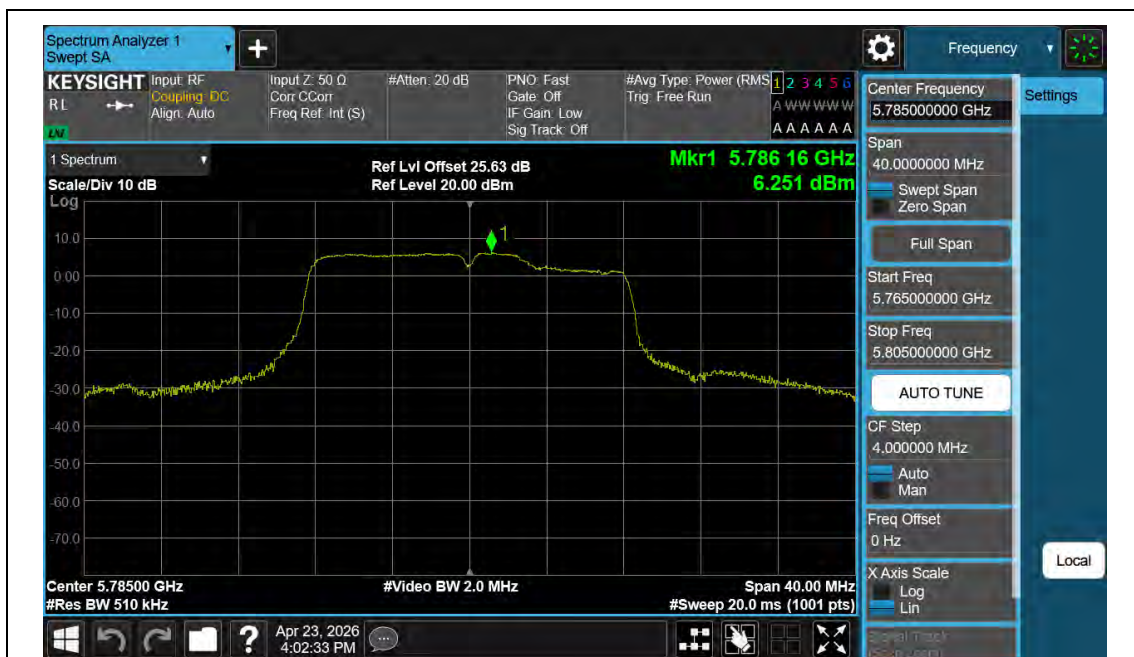
11A-Ant1-5720\_UNII-3-PASS



11A-Ant1-5745-PASS



11A-Ant1-5785-PASS



11A-Ant1-5825-PASS



11AX20SISO-Ant1-5180-PASS



11AX20SISO-Ant1-5200-PASS



11AX20SISO-Ant1-5240-PASS



11AX20SISO-Ant1-5260-PASS



11AX20SISO-Ant1-5300-PASS



11AX20SISO-Ant1-5320-PASS



11AX20SISO-Ant1-5500-PASS



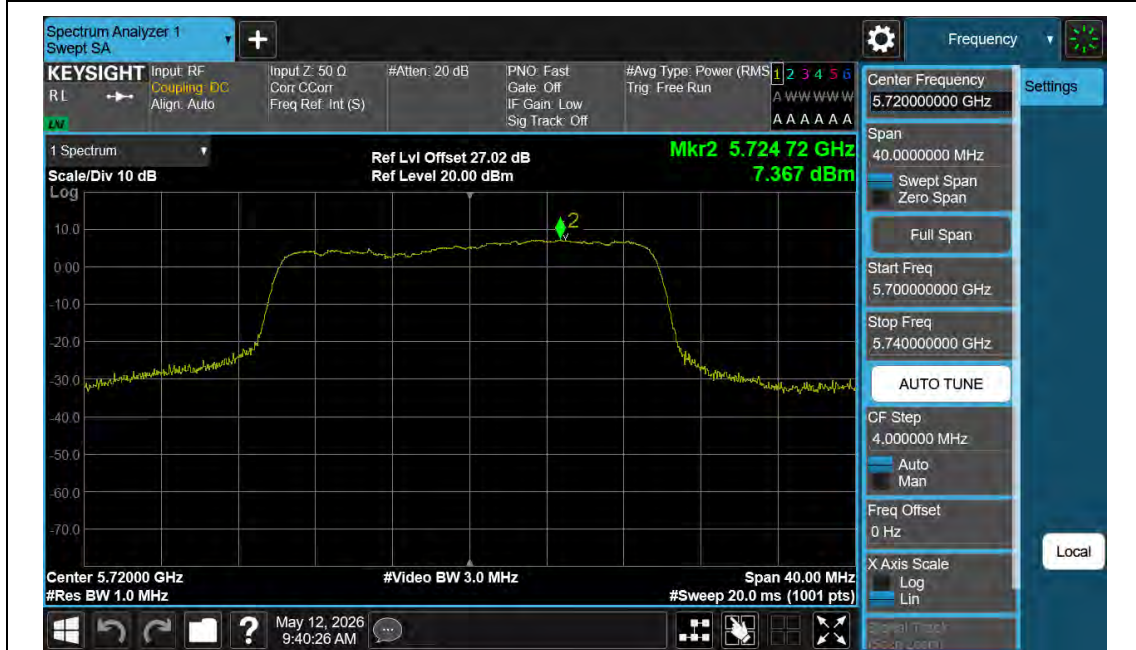
11AX20SISO-Ant1-5580-PASS



11AX20SISO-Ant1-5700-PASS



11AX20SISO-Ant1-5720\_UNII-2C-PASS



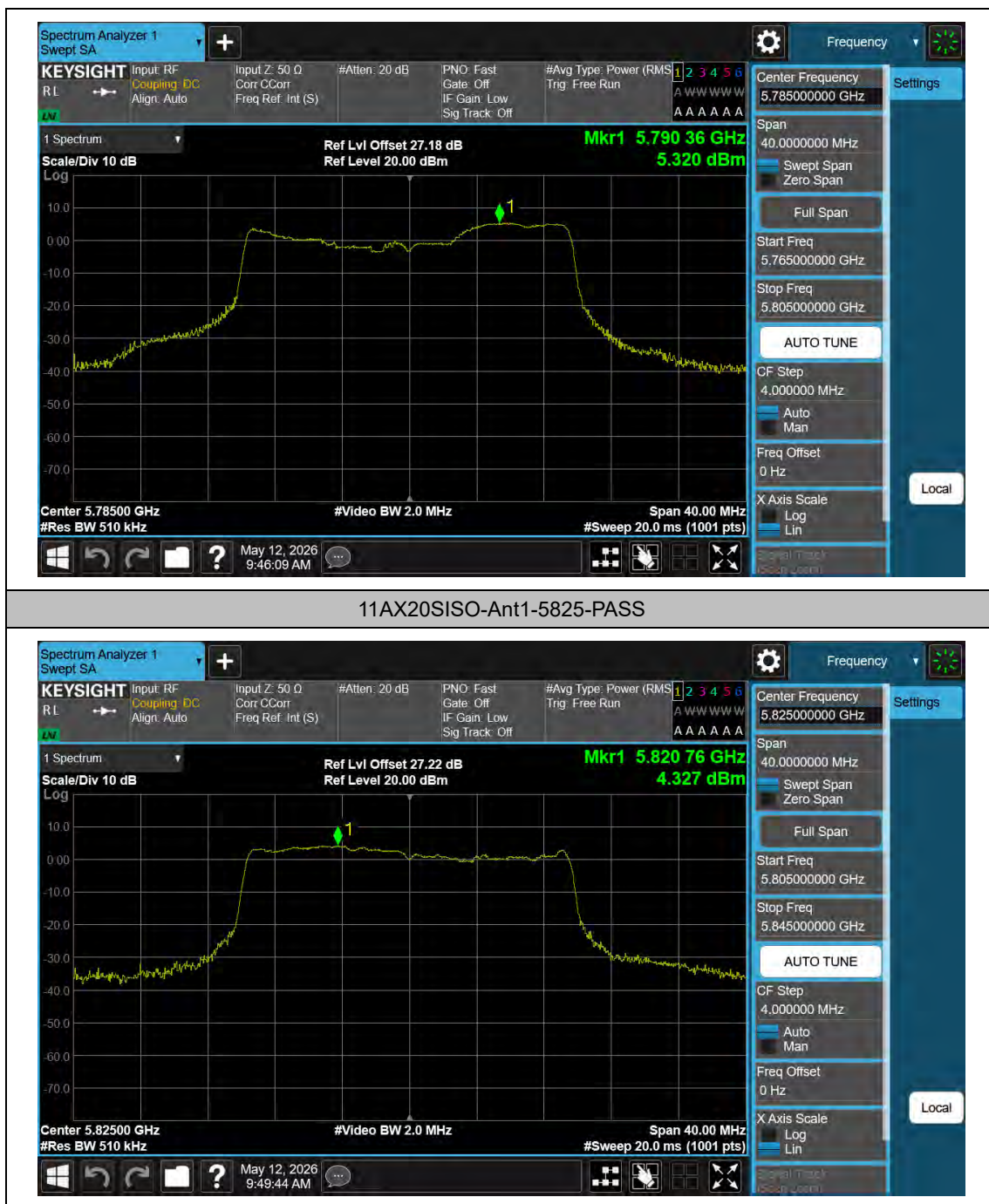
11AX20SISO-Ant1-5720\_UNII-3-PASS



11AX20SISO-Ant1-5745-PASS



11AX20SISO-Ant1-5785-PASS



## Appendix E: Band edge measurements

### Test Result B4

| TestMode   | Antenna | ChName | Frequency[MHz] | FreqRange [MHz] | Result [dBm] | Limit [dBm] | Verdict |
|------------|---------|--------|----------------|-----------------|--------------|-------------|---------|
| 11A        | Ant1    | Low    | 5745           | 5720~5725       | -14.01       | ≤23.68      | PASS    |
| 11A        | Ant1    | Low    | 5745           | 5700~5720       | -20.21       | ≤14.79      | PASS    |
| 11A        | Ant1    | Low    | 5745           | 5650~5700       | -30.84       | ≤-26.87     | PASS    |
| 11A        | Ant1    | Low    | 5745           | 5760~5650       | -30.44       | ≤-27        | PASS    |
| 11A        | Ant1    | High   | 5825           | 5850~5855       | -30.2        | ≤15.73      | PASS    |
| 11A        | Ant1    | High   | 5825           | 5855~5875       | -31.04       | ≤10.06      | PASS    |
| 11A        | Ant1    | High   | 5825           | 5875~5925       | -31.55       | ≤-26.61     | PASS    |
| 11A        | Ant1    | High   | 5825           | 5925~5935       | -29.38       | ≤-27        | PASS    |
| 11AX20SISO | Ant1    | Low    | 5745           | 5720~5725       | -17.71       | ≤17.65      | PASS    |
| 11AX20SISO | Ant1    | Low    | 5745           | 5700~5720       | -20.17       | ≤15.21      | PASS    |
| 11AX20SISO | Ant1    | Low    | 5745           | 5650~5700       | -32.27       | ≤-26.36     | PASS    |
| 11AX20SISO | Ant1    | Low    | 5745           | 5760~5650       | -30.52       | ≤-27        | PASS    |
| 11AX20SISO | Ant1    | High   | 5825           | 5850~5855       | -15.86       | ≤26.19      | PASS    |
| 11AX20SISO | Ant1    | High   | 5825           | 5855~5875       | -30.54       | ≤10.78      | PASS    |
| 11AX20SISO | Ant1    | High   | 5825           | 5875~5925       | -31.67       | ≤-26.01     | PASS    |
| 11AX20SISO | Ant1    | High   | 5825           | 5925~5935       | -30.59       | ≤-27        | PASS    |

# Test Graphs B4





## 11AX20SiSO-Ant1-5825-PASS



## Appendix F: Frequency Stability

### Test Result

| TestMode | Antenna | Frequen<br>cy[MHz] | Voltage<br>[Vdc] | Temper<br>ature<br>(°C) | Test<br>Frequency[<br>MHz] | Deviation<br>(ppm) | Limit<br>(ppm) | Verdict |
|----------|---------|--------------------|------------------|-------------------------|----------------------------|--------------------|----------------|---------|
| 11A      | Ant1    | 5180               | NV               | NT                      | 5179.996                   | -7.722008          | 20             | PASS    |
| 11A      | Ant1    | 5180               | LV               | NT                      | 5179.996                   | -7.722008          | 20             | PASS    |
| 11A      | Ant1    | 5180               | HV               | NT                      | 5179.996                   | -7.722008          | 20             | PASS    |
| 11A      | Ant1    | 5260               | NV               | NT                      | 5259.998                   | -3.802281          | 20             | PASS    |
| 11A      | Ant1    | 5260               | LV               | NT                      | 5259.998                   | -3.802281          | 20             | PASS    |
| 11A      | Ant1    | 5260               | HV               | NT                      | 5259.996                   | -7.604563          | 20             | PASS    |
| 11A      | Ant1    | 5500               | NV               | NT                      | 5499.994                   | -10.909091         | 20             | PASS    |
| 11A      | Ant1    | 5500               | LV               | NT                      | 5499.994                   | -10.909091         | 20             | PASS    |
| 11A      | Ant1    | 5500               | HV               | NT                      | 5499.996                   | -7.272727          | 20             | PASS    |
| 11A      | Ant1    | 5745               | NV               | NT                      | 5744.994                   | -10.443864         | 20             | PASS    |
| 11A      | Ant1    | 5745               | LV               | NT                      | 5744.998                   | -3.481288          | 20             | PASS    |
| 11A      | Ant1    | 5745               | HV               | NT                      | 5744.996                   | -6.962576          | 20             | PASS    |

| TestMode | Antenna | Frequen<br>cy[MHz] | Voltage<br>[Vdc] | Temper<br>ature<br>(°C) | Test<br>Frequency[<br>MHz] | Deviation<br>(ppm) | Limit<br>(ppm) | Verdict |
|----------|---------|--------------------|------------------|-------------------------|----------------------------|--------------------|----------------|---------|
| 11A      | Ant1    | 5180               | NV               | -30                     | 5179.998                   | -3.861004          | 20             | PASS    |
| 11A      | Ant1    | 5180               | NV               | -20                     | 5179.996                   | -7.722008          | 20             | PASS    |
| 11A      | Ant1    | 5180               | NV               | -10                     | 5179.998                   | -3.861004          | 20             | PASS    |
| 11A      | Ant1    | 5180               | NV               | 0                       | 5179.998                   | -3.861004          | 20             | PASS    |
| 11A      | Ant1    | 5180               | NV               | 10                      | 5179.996                   | -7.722008          | 20             | PASS    |
| 11A      | Ant1    | 5180               | NV               | 20                      | 5179.998                   | -3.861004          | 20             | PASS    |
| 11A      | Ant1    | 5180               | NV               | 30                      | 5179.998                   | -3.861004          | 20             | PASS    |
| 11A      | Ant1    | 5180               | NV               | 40                      | 5179.996                   | -7.722008          | 20             | PASS    |
| 11A      | Ant1    | 5180               | NV               | 50                      | 5179.998                   | -3.861004          | 20             | PASS    |
| 11A      | Ant1    | 5260               | NV               | -30                     | 5259.996                   | -7.604563          | 20             | PASS    |
| 11A      | Ant1    | 5260               | NV               | -20                     | 5259.996                   | -7.604563          | 20             | PASS    |
| 11A      | Ant1    | 5260               | NV               | -10                     | 5259.996                   | -7.604563          | 20             | PASS    |
| 11A      | Ant1    | 5260               | NV               | 0                       | 5259.996                   | -7.604563          | 20             | PASS    |
| 11A      | Ant1    | 5260               | NV               | 10                      | 5259.998                   | -3.802281          | 20             | PASS    |
| 11A      | Ant1    | 5260               | NV               | 20                      | 5259.998                   | -3.802281          | 20             | PASS    |
| 11A      | Ant1    | 5260               | NV               | 30                      | 5259.996                   | -7.604563          | 20             | PASS    |
| 11A      | Ant1    | 5260               | NV               | 40                      | 5259.996                   | -7.604563          | 20             | PASS    |
| 11A      | Ant1    | 5260               | NV               | 50                      | 5259.996                   | -7.604563          | 20             | PASS    |
| 11A      | Ant1    | 5500               | NV               | -30                     | 5499.996                   | -7.272727          | 20             | PASS    |
| 11A      | Ant1    | 5500               | NV               | -20                     | 5499.996                   | -7.272727          | 20             | PASS    |
| 11A      | Ant1    | 5500               | NV               | -10                     | 5499.994                   | -10.909091         | 20             | PASS    |

|     |      |      |    |     |          |            |    |      |
|-----|------|------|----|-----|----------|------------|----|------|
| 11A | Ant1 | 5500 | NV | 30  | 5499.998 | -3.636364  | 20 | PASS |
| 11A | Ant1 | 5500 | NV | 40  | 5499.996 | -7.272727  | 20 | PASS |
| 11A | Ant1 | 5500 | NV | 50  | 5499.996 | -7.272727  | 20 | PASS |
| 11A | Ant1 | 5500 | NV | 0   | 5499.996 | -7.272727  | 20 | PASS |
| 11A | Ant1 | 5500 | NV | 10  | 5499.996 | -7.272727  | 20 | PASS |
| 11A | Ant1 | 5500 | NV | 20  | 5499.996 | -7.272727  | 20 | PASS |
| 11A | Ant1 | 5745 | NV | -30 | 5744.996 | -6.962576  | 20 | PASS |
| 11A | Ant1 | 5745 | NV | -20 | 5744.996 | -6.962576  | 20 | PASS |
| 11A | Ant1 | 5745 | NV | -10 | 5744.996 | -6.962576  | 20 | PASS |
| 11A | Ant1 | 5745 | NV | 0   | 5744.996 | -6.962576  | 20 | PASS |
| 11A | Ant1 | 5745 | NV | 10  | 5744.996 | -6.962576  | 20 | PASS |
| 11A | Ant1 | 5745 | NV | 20  | 5744.996 | -6.962576  | 20 | PASS |
| 11A | Ant1 | 5745 | NV | 30  | 5744.998 | -3.481288  | 20 | PASS |
| 11A | Ant1 | 5745 | NV | 40  | 5744.994 | -10.443864 | 20 | PASS |
| 11A | Ant1 | 5745 | NV | 50  | 5744.996 | -6.962576  | 20 | PASS |