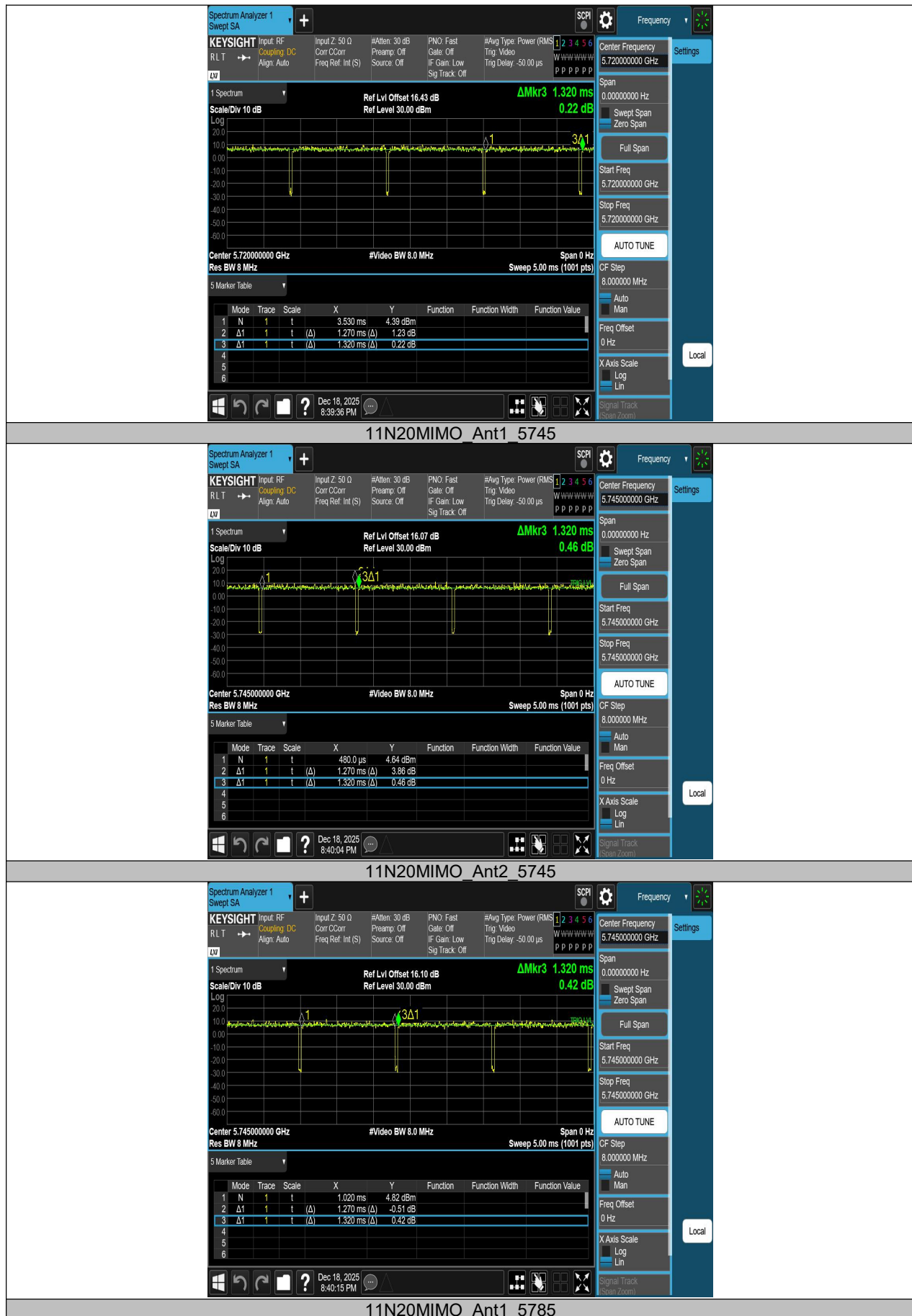
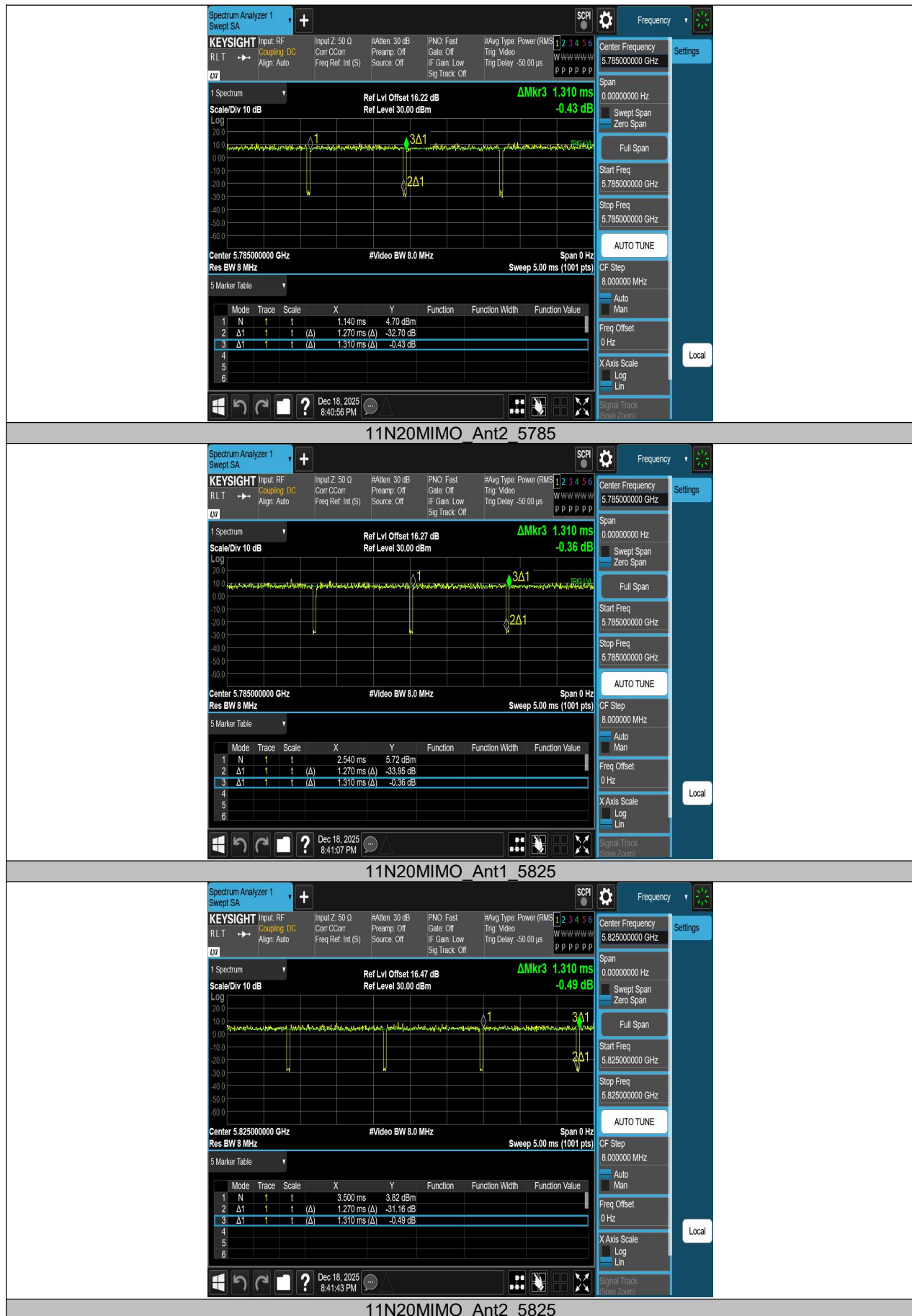
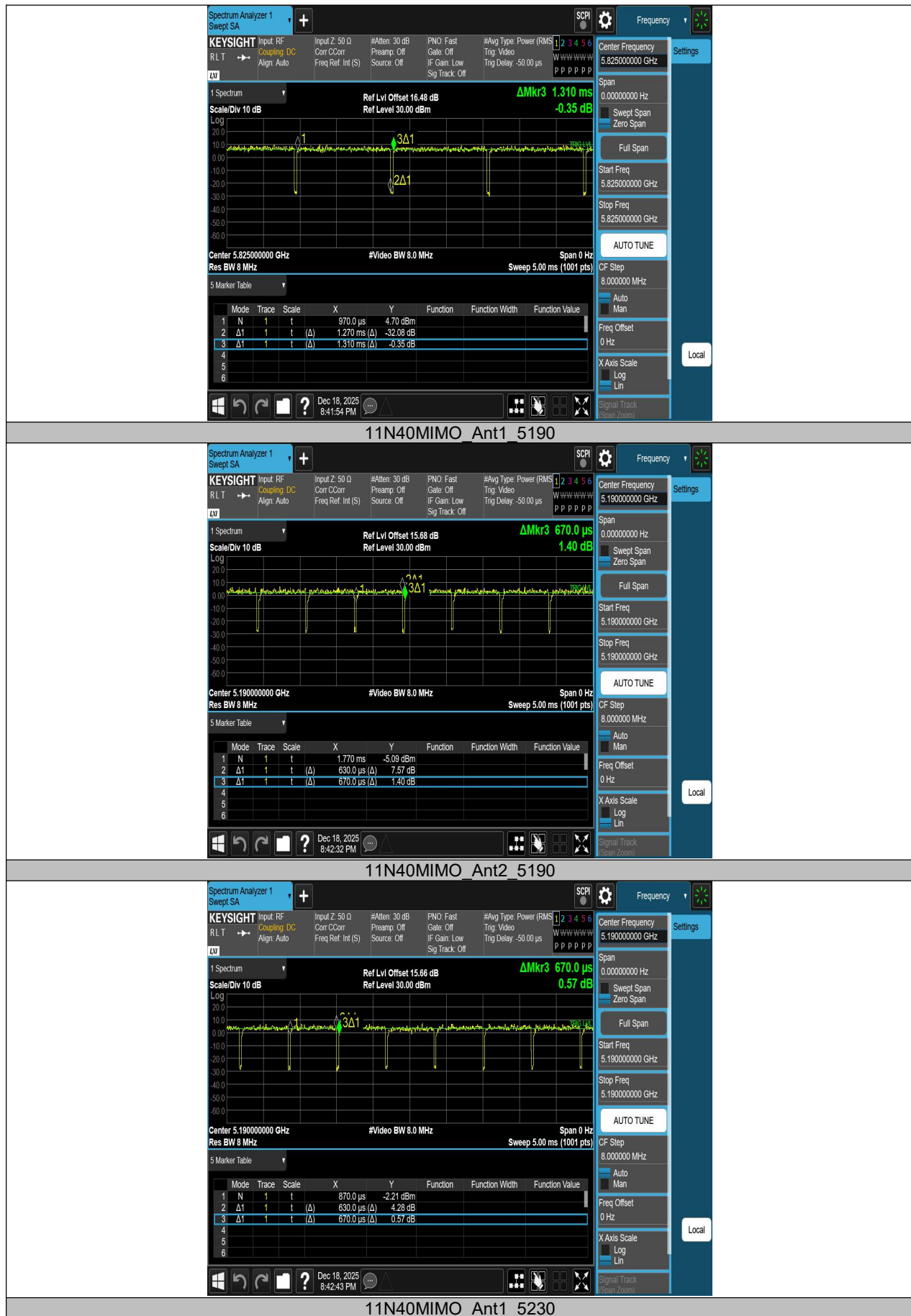
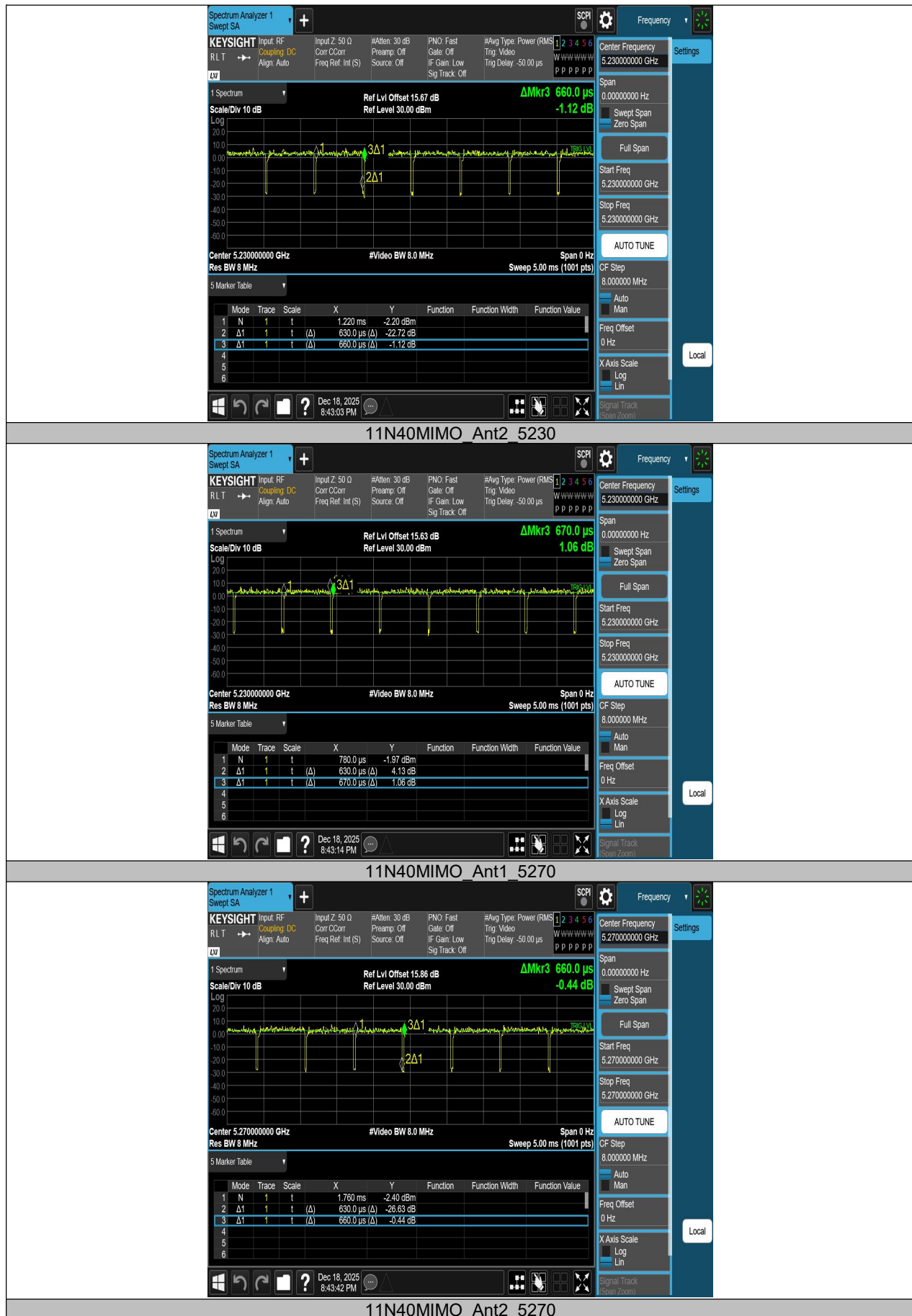
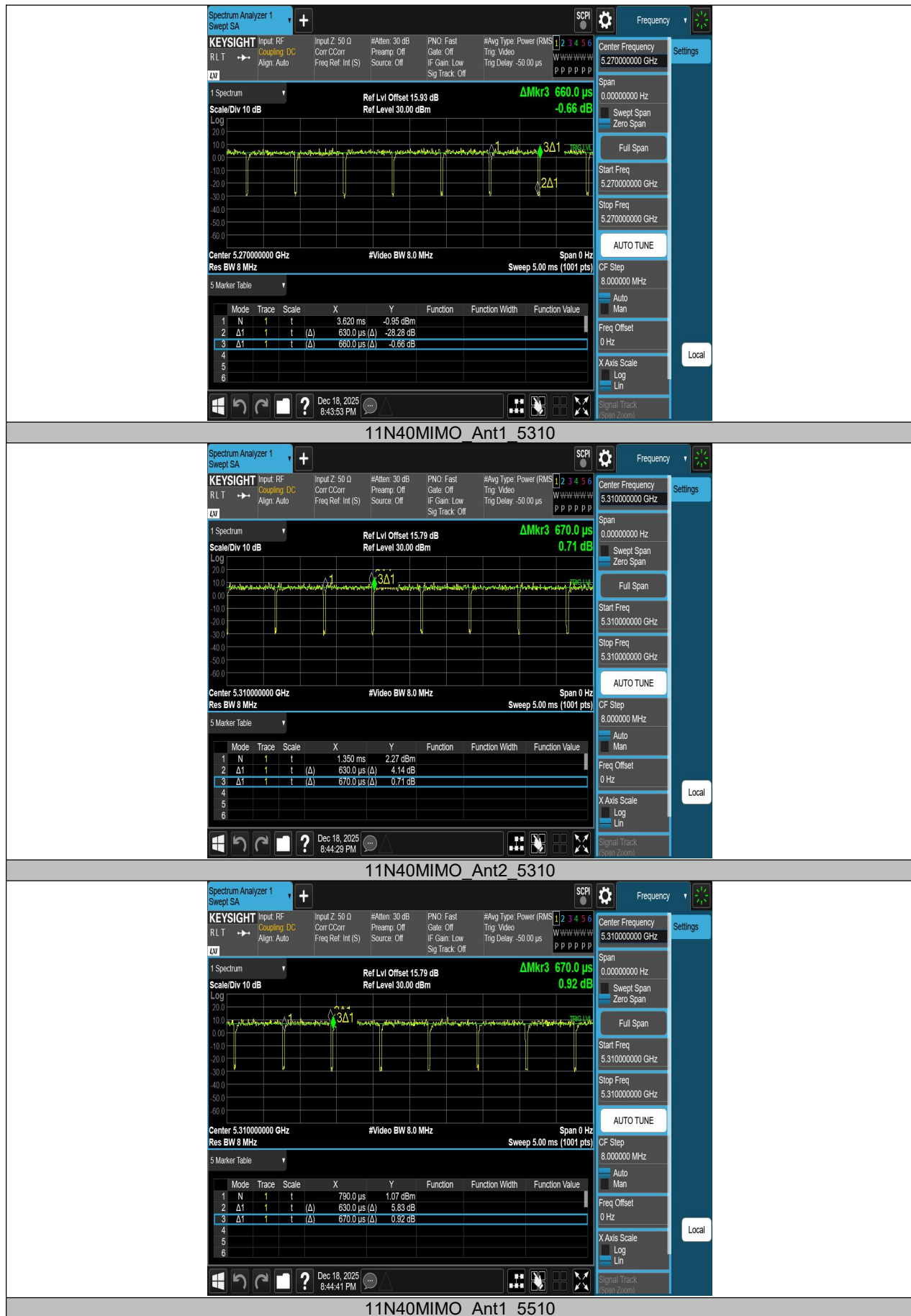


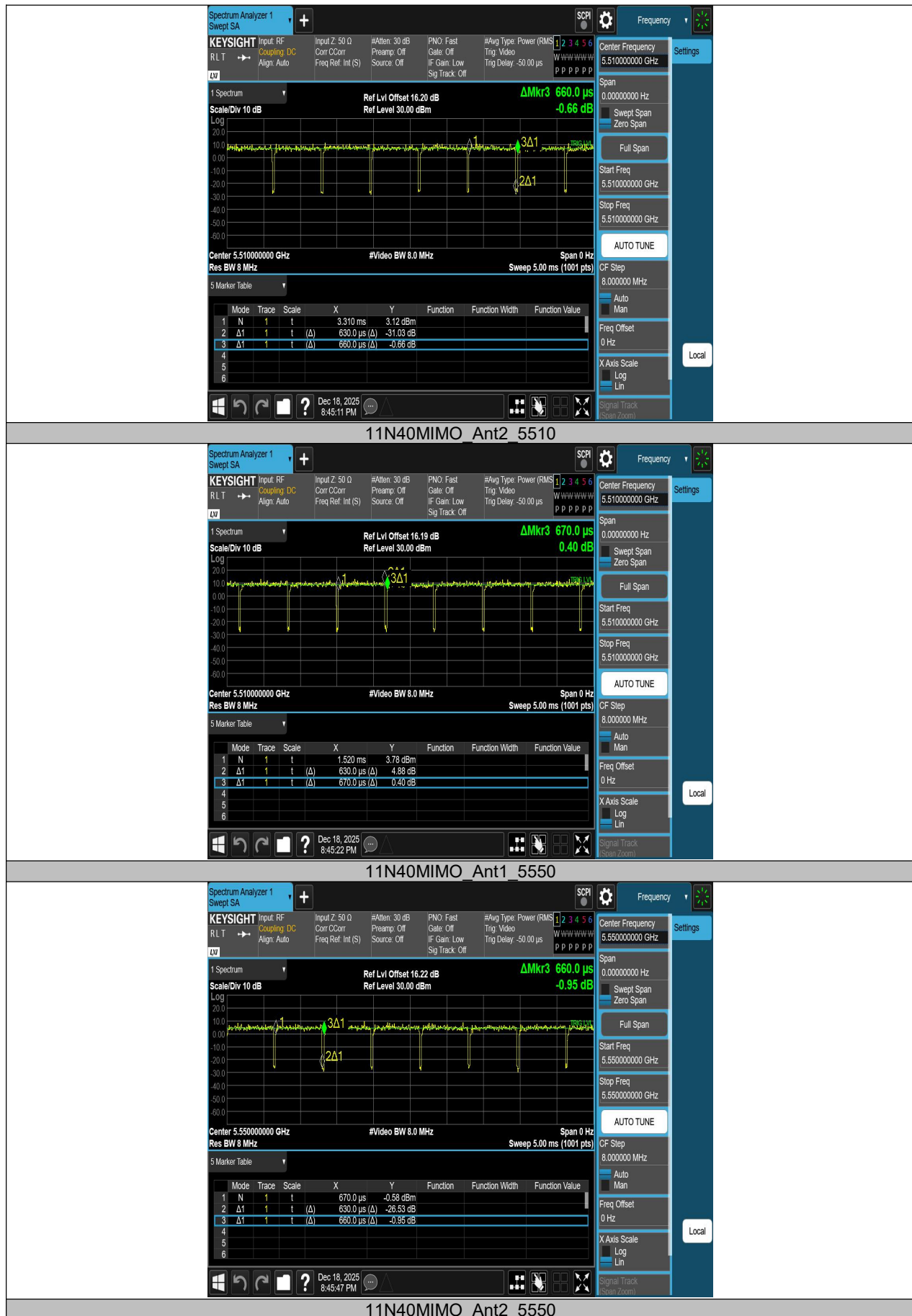


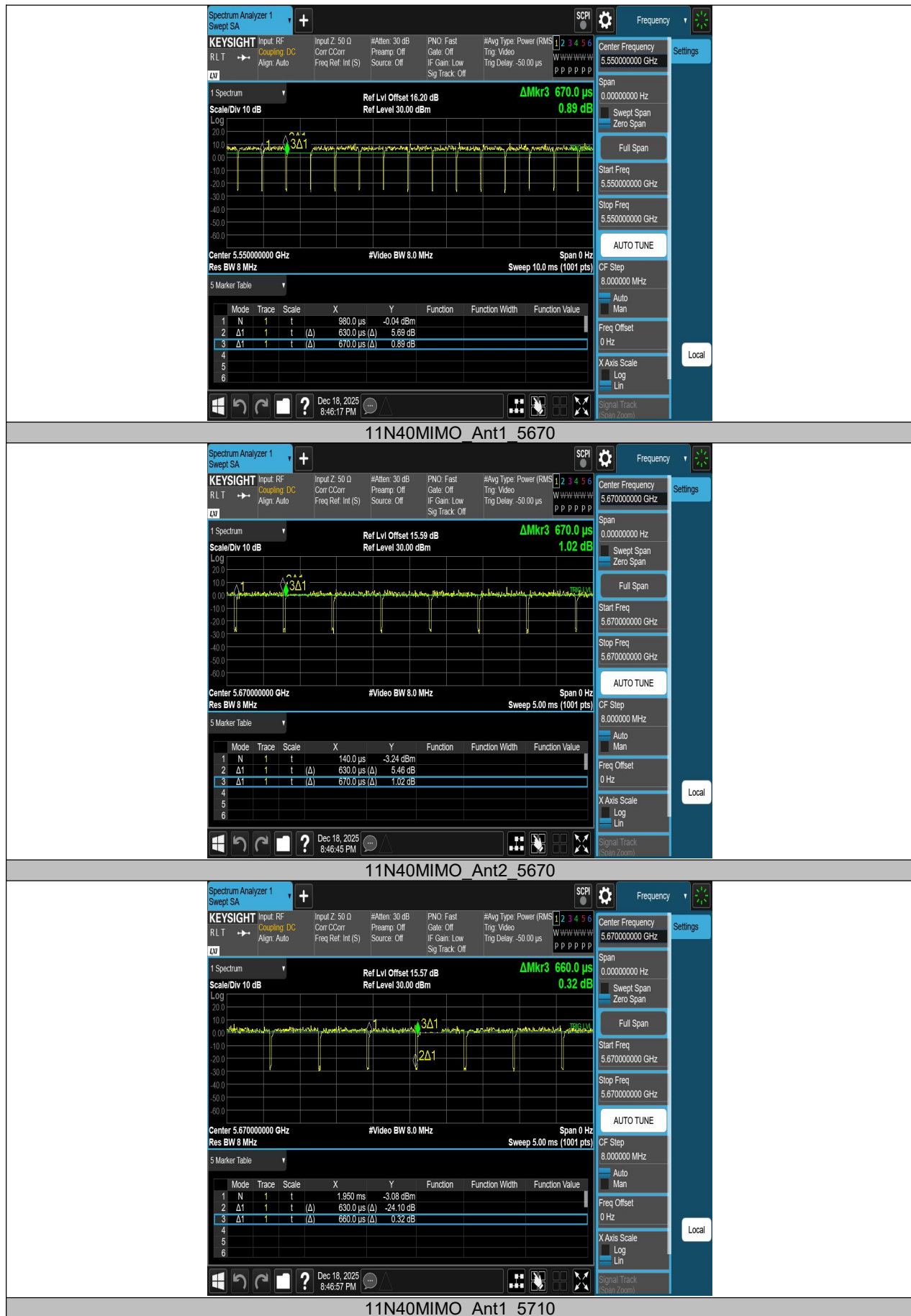


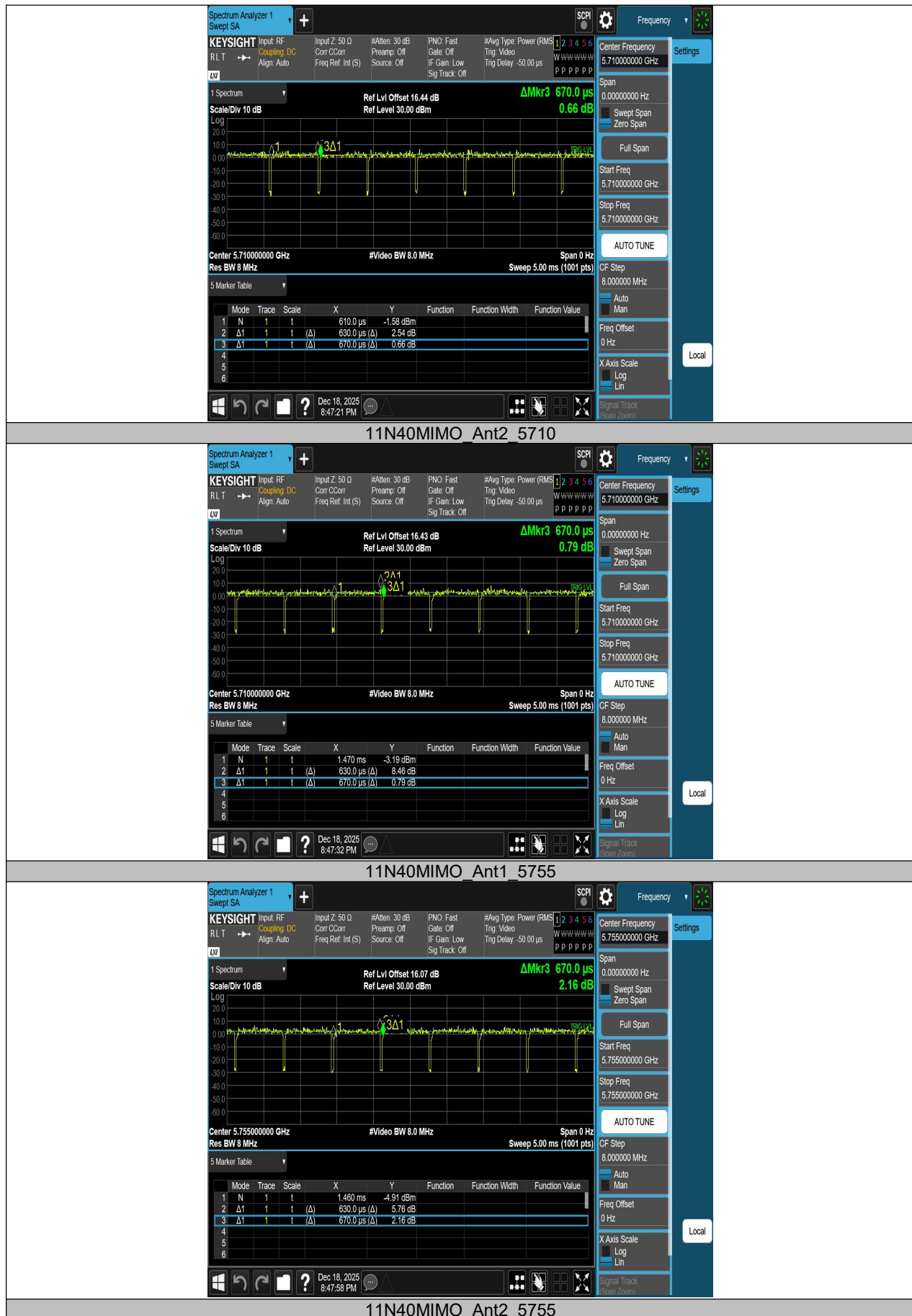














## 9. 26dB Bandwidth, 6dB Bandwidth and 99% Bandwidth

### 9.1. Block Diagram of Test Setup

Same as section 8.1

### 9.2. Limits

| FCC Part15, Subpart E/ RSS-247 |                                |                                                            |
|--------------------------------|--------------------------------|------------------------------------------------------------|
| Test Item                      | Limit                          | Frequency Range (MHz)                                      |
| Bandwidth                      | 26 dB Bandwidth                | 5150 - 5250                                                |
|                                | 26 dB Bandwidth                | 5250 - 5350                                                |
|                                | 26 dB Bandwidth                | For FCC: 5470 - 5725<br>For IC: 5470 - 5600<br>5650 - 5725 |
|                                | Minimum 500 kHz 6 dB Bandwidth | 5725 - 5850                                                |
|                                | For reporting purposes only.   | For IC: 5150 ~ 5825                                        |

### 9.3. Test Procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

|                  |                                                                                                                                                                         |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Center Frequency | The centre frequency of the channel under test                                                                                                                          |
| Detector         | Peak                                                                                                                                                                    |
| RBW              | For 6 dB Bandwidth: RBW=100 kHz<br>For 26 dB Bandwidth: approximately 1% of the emission bandwidth.<br>For 99 % Occupied Bandwidth: approximately 1 % ~ 5 % of the OBW. |
| VBW              | For 6 dB Bandwidth: VBW=300 kHz<br>For 26 dB Bandwidth: >3*RBW<br>For 99 % Bandwidth: >3*RBW                                                                            |
| Trace            | Max hold                                                                                                                                                                |
| Sweep            | Auto couple                                                                                                                                                             |

(2) Allow the trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 26 dB and 6 dB relative to the maximum level measured in the fundamental emission.

(3) Use the 99 % power bandwidth function of the instrument, allow the trace to stabilize and report the measured bandwidth.

### 9.4. Test Result

| Test Mode | Ant. | Freq. (MHz) | OCB (MHz) | FL (MHz)  | FH (MHz)  | Limit (MHz) | Verdict |
|-----------|------|-------------|-----------|-----------|-----------|-------------|---------|
| 11A       | Ant1 | 5180        | 16.606    | 5171.6817 | 5188.2877 | ---         | ---     |
|           | Ant2 | 5180        | 16.611    | 5171.6432 | 5188.2542 | ---         | ---     |
|           | Ant1 | 5200        | 16.506    | 5191.6499 | 5208.1559 | ---         | ---     |
|           | Ant2 | 5200        | 16.579    | 5191.6302 | 5208.2092 | ---         | ---     |
|           | Ant1 | 5240        | 16.618    | 5231.6287 | 5248.2467 | ---         | ---     |
|           | Ant2 | 5240        | 16.631    | 5231.6250 | 5248.2560 | ---         | ---     |
|           | Ant1 | 5260        | 16.521    | 5251.6556 | 5268.1766 | ---         | ---     |
|           | Ant2 | 5260        | 16.507    | 5251.6861 | 5268.1931 | ---         | ---     |
|           | Ant1 | 5280        | 16.635    | 5271.6468 | 5288.2818 | ---         | ---     |
|           | Ant2 | 5280        | 16.615    | 5271.6155 | 5288.2305 | ---         | ---     |
|           | Ant1 | 5320        | 16.673    | 5311.6041 | 5328.2771 | ---         | ---     |
|           | Ant2 | 5320        | 16.576    | 5311.6430 | 5328.2190 | ---         | ---     |
|           | Ant1 | 5500        | 16.637    | 5491.6003 | 5508.2373 | ---         | ---     |
|           | Ant2 | 5500        | 16.597    | 5491.5935 | 5508.1905 | ---         | ---     |
|           | Ant1 | 5580        | 16.629    | 5571.5494 | 5588.1784 | ---         | ---     |
|           | Ant2 | 5580        | 16.665    | 5571.5579 | 5588.2229 | ---         | ---     |
|           | Ant1 | 5700        | 16.518    | 5691.6453 | 5708.1633 | ---         | ---     |
|           | Ant2 | 5700        | 16.613    | 5691.6264 | 5708.2394 | ---         | ---     |
|           | Ant1 | 5720        | 16.661    | 5711.5753 | 5728.2363 | ---         | ---     |