

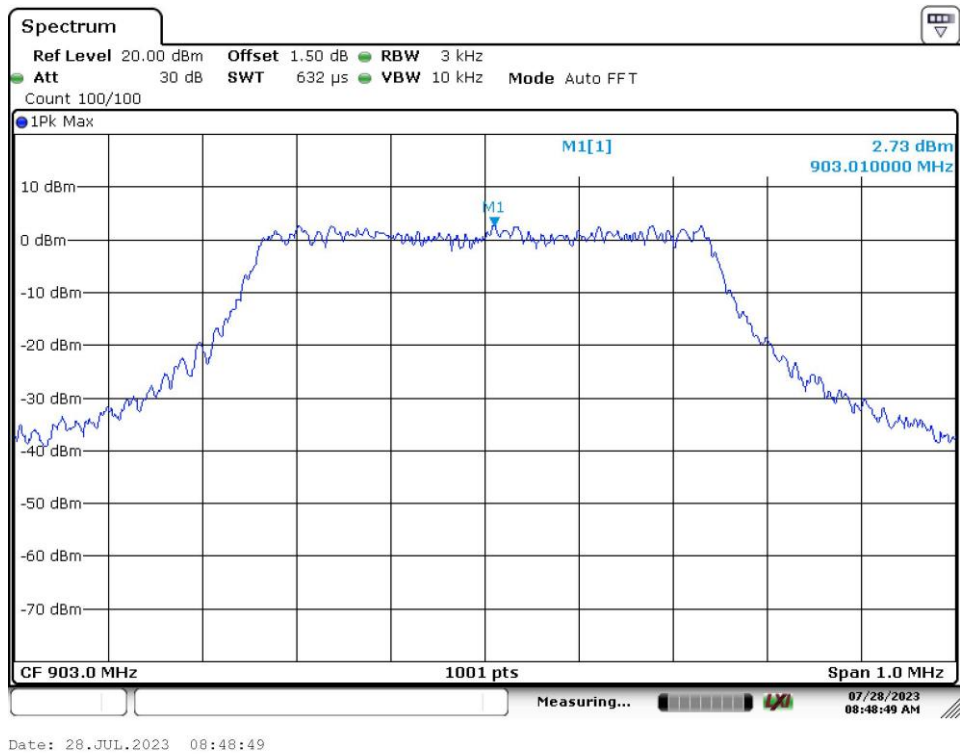
## Appendix B: Test Results

|                                                                                      |           |
|--------------------------------------------------------------------------------------|-----------|
| <b>APPENDIX B: TEST RESULTS .....</b>                                                | <b>1</b>  |
| <b>APPENDIX B.1: CONDUCTED POWER SPECTRAL DENSITY .....</b>                          | <b>2</b>  |
| <i>Lora DTS.....</i>                                                                 | <i>2</i>  |
| <b>APPENDIX B.2: 6dB BANDWIDTH.....</b>                                              | <b>4</b>  |
| <i>Lora DTS.....</i>                                                                 | <i>4</i>  |
| <b>APPENDIX B.3: 20dB BANDWIDTH.....</b>                                             | <b>6</b>  |
| <i>Lora FHSS, Data rate SF7.....</i>                                                 | <i>6</i>  |
| <i>Lora FHSS, Data rate SF10.....</i>                                                | <i>7</i>  |
| <b>APPENDIX B.4: 99% BANDWIDTH .....</b>                                             | <b>9</b>  |
| <i>Lora DTS.....</i>                                                                 | <i>9</i>  |
| <i>Lora FHSS, Data rate SF7.....</i>                                                 | <i>10</i> |
| <i>Lora FHSS, Data rate SF10.....</i>                                                | <i>12</i> |
| <b>APPENDIX B.5: CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH.....</b> | <b>14</b> |
| <i>Lora DTS.....</i>                                                                 | <i>14</i> |
| <i>Lora FHSS, Data rate SF7, No hopping.....</i>                                     | <i>20</i> |
| <i>Lora FHSS, Data rate SF10, No hopping .....</i>                                   | <i>25</i> |
| <i>Lora FHSS, Data rate SF7, hopping .....</i>                                       | <i>30</i> |
| <i>Lora FHSS, Data rate SF10, hopping .....</i>                                      | <i>31</i> |
| <i>Lora DTS, Band Edge .....</i>                                                     | <i>33</i> |
| <i>Lora FHSS, Data rate SF7, No hopping, Band Edge .....</i>                         | <i>34</i> |
| <i>Lora FHSS, Data rate SF10, No hopping, Band Edge .....</i>                        | <i>35</i> |
| <i>Lora FHSS, Data rate SF7, hopping, Band Edge.....</i>                             | <i>36</i> |
| <i>Lora FHSS, Data rate SF10, hopping, Band Edge.....</i>                            | <i>37</i> |
| <b>APPENDIX B.6: CARRIER FREQUENCY SEPARATION .....</b>                              | <b>38</b> |
| <i>Lora FHSS, Data rate SF7.....</i>                                                 | <i>38</i> |
| <i>Lora FHSS, Data rate SF10.....</i>                                                | <i>39</i> |
| <b>APPENDIX B.7: NUMBER OF HOPPING FREQUENCY .....</b>                               | <b>41</b> |
| <i>Lora FHSS, Data rate SF7.....</i>                                                 | <i>41</i> |
| <i>Lora FHSS, Data rate SF10.....</i>                                                | <i>41</i> |
| <b>APPENDIX B.8: TIME OF OCCUPANCY.....</b>                                          | <b>42</b> |
| <i>Lora FHSS, Data rate SF7.....</i>                                                 | <i>42</i> |
| <i>Lora FHSS, Data rate SF10.....</i>                                                | <i>43</i> |
| <b>APPENDIX B.9: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS .....</b>               | <b>44</b> |
| <i>Lora FHSS SF7 .....</i>                                                           | <i>44</i> |
| <i>Lora DTS.....</i>                                                                 | <i>62</i> |

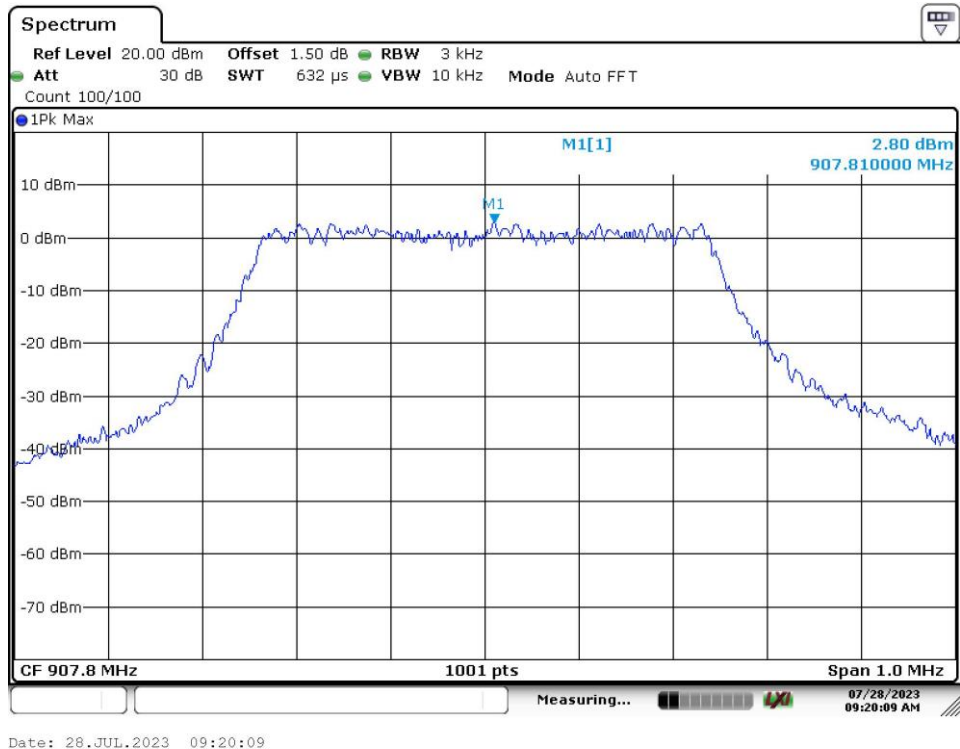
## Appendix B.1: Conducted Power Spectral Density

### Lora DTS

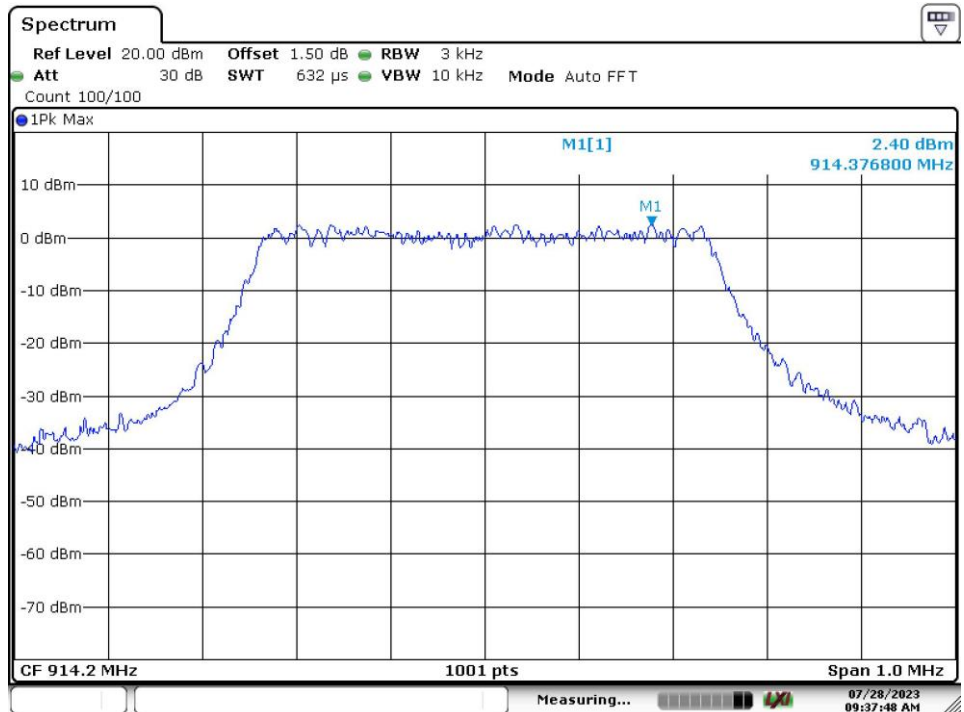
#### Low Channel



#### Middle Channel



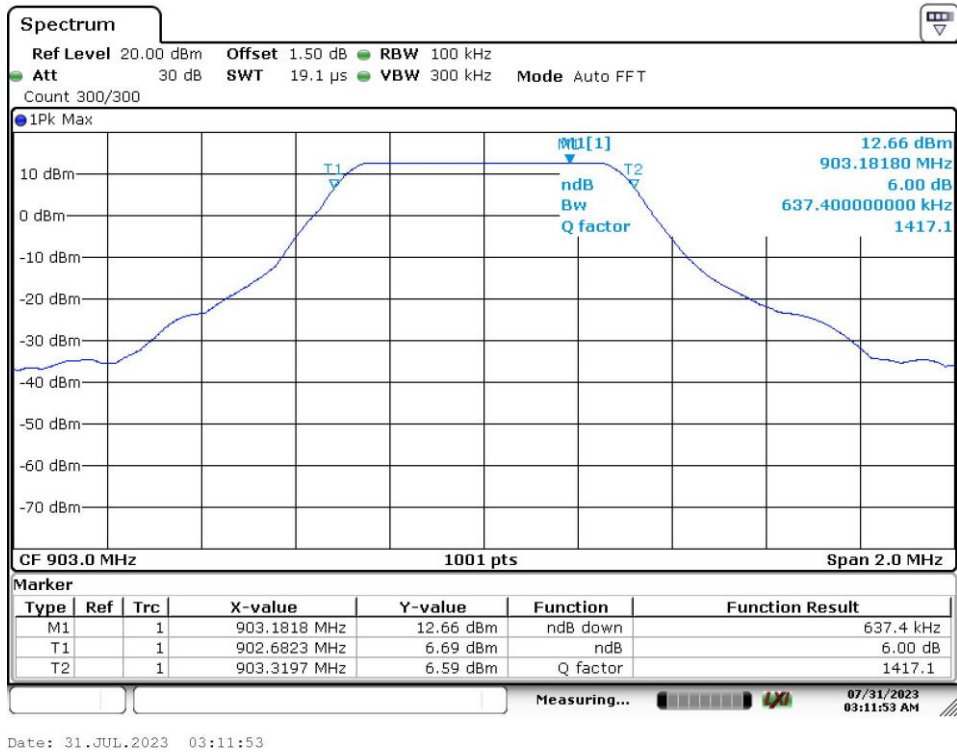
High Channel



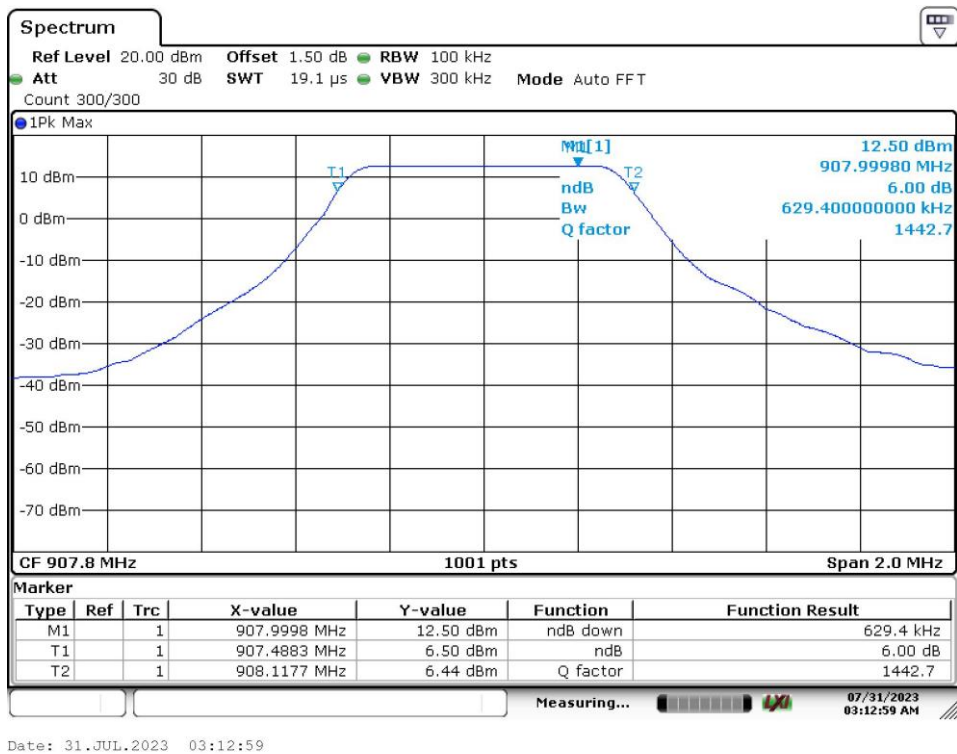
Date: 28.JUL.2023 09:37:49

## Appendix B.2: 6dB Bandwidth

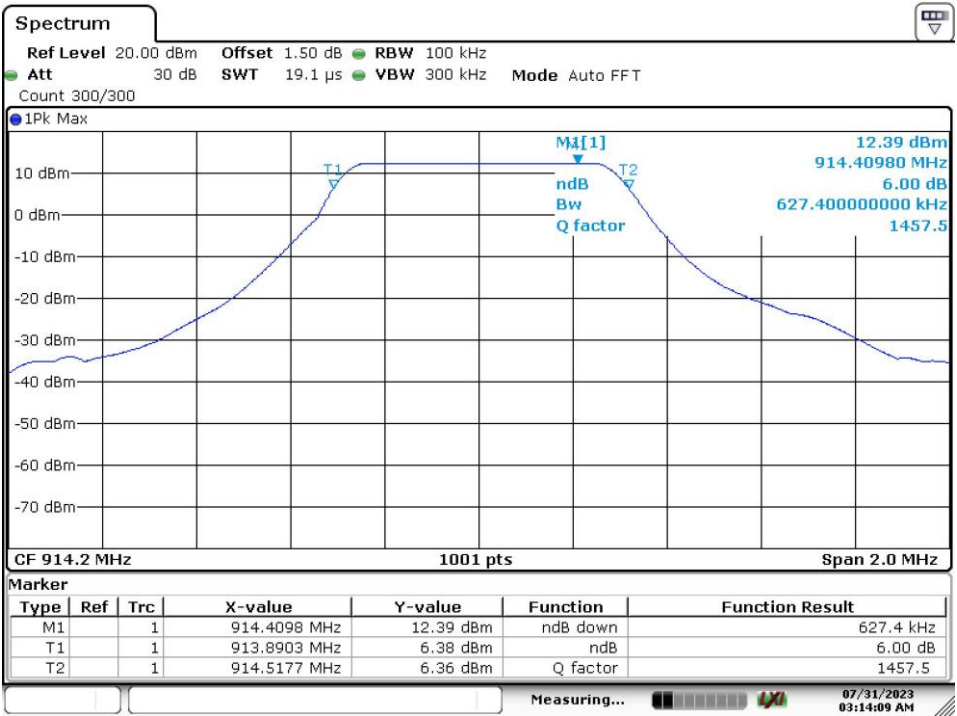
### Lora DTS Low Channel



### Middle Channel



High Channel

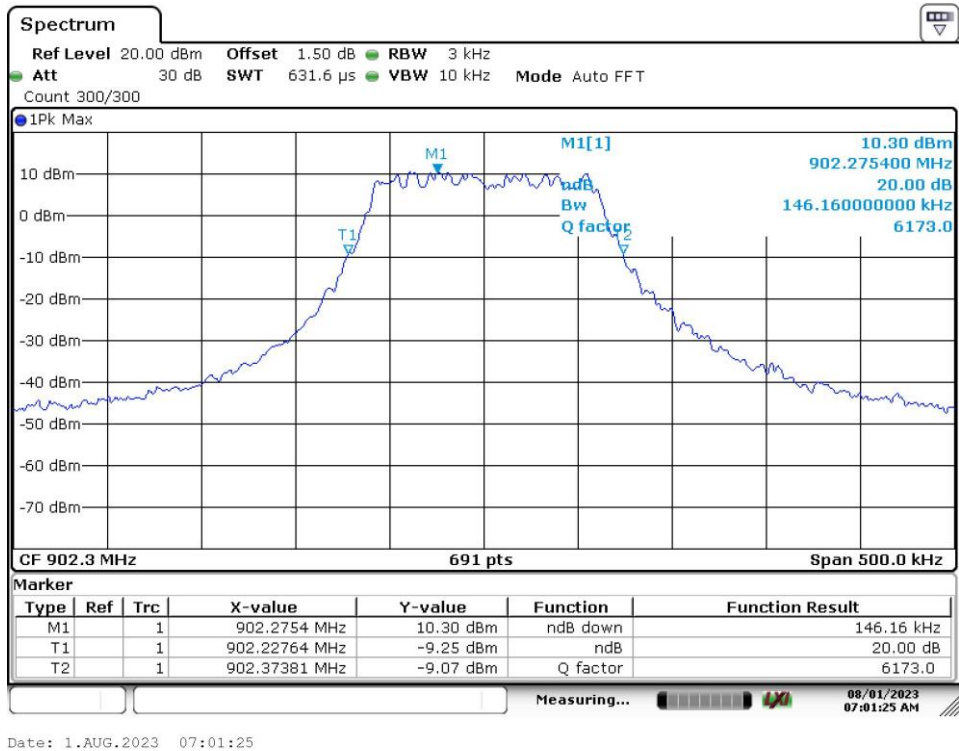


Date: 31.JUL.2023 03:14:09

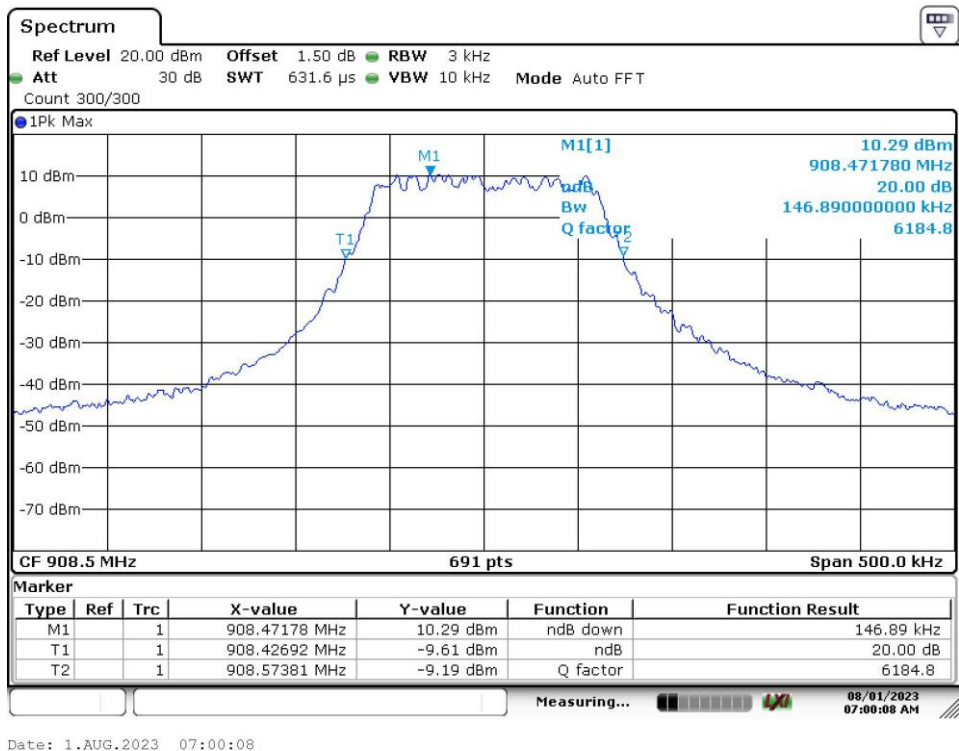
## Appendix B.3: 20dB Bandwidth

### Lora FHSS, Data rate SF7

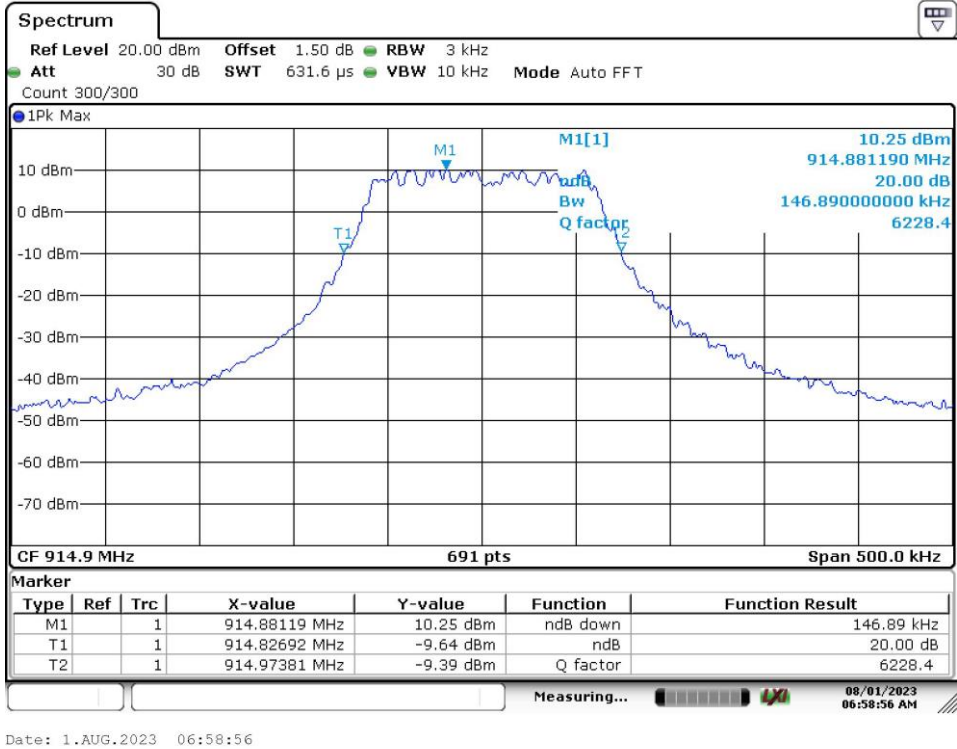
#### Low Channel



#### Middle Channel

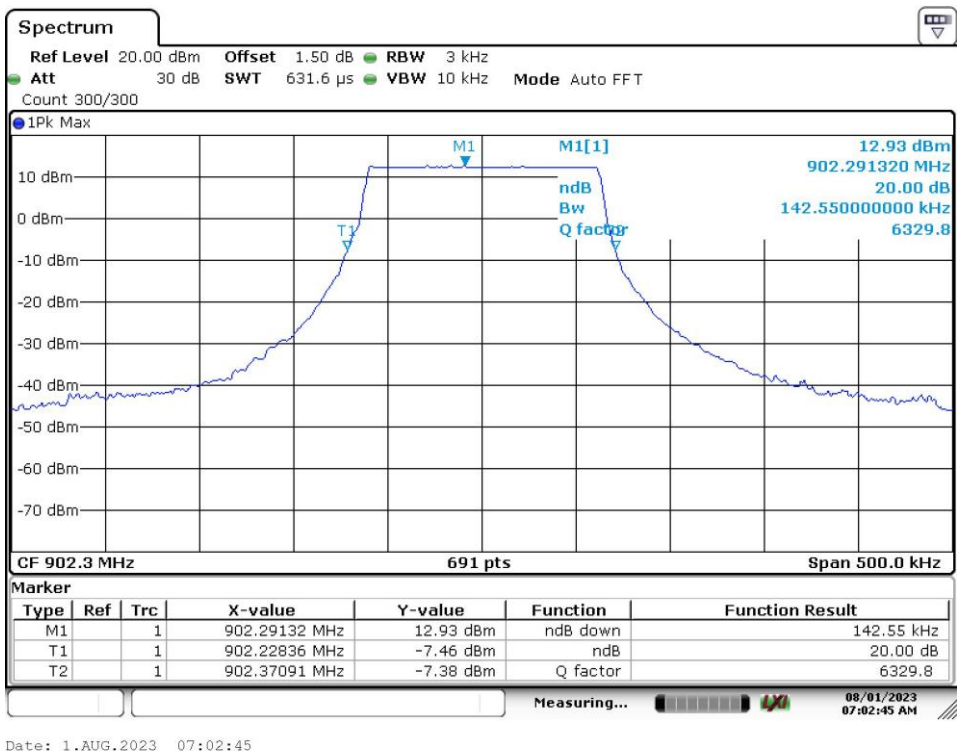


## High Channel

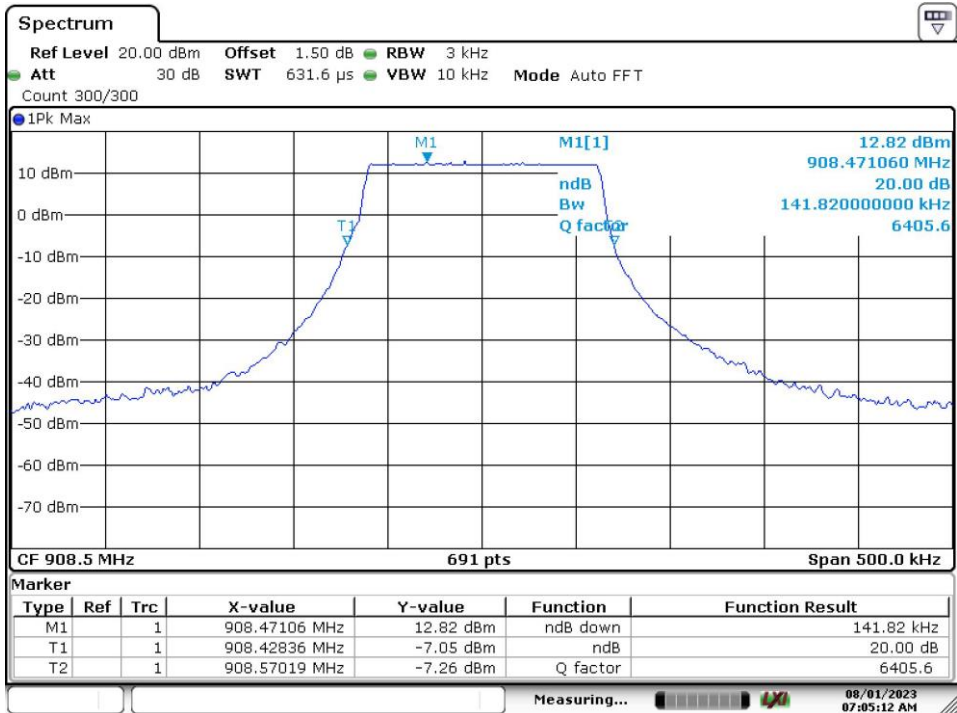


## Lora FHSS, Data rate SF10

### Low Channel

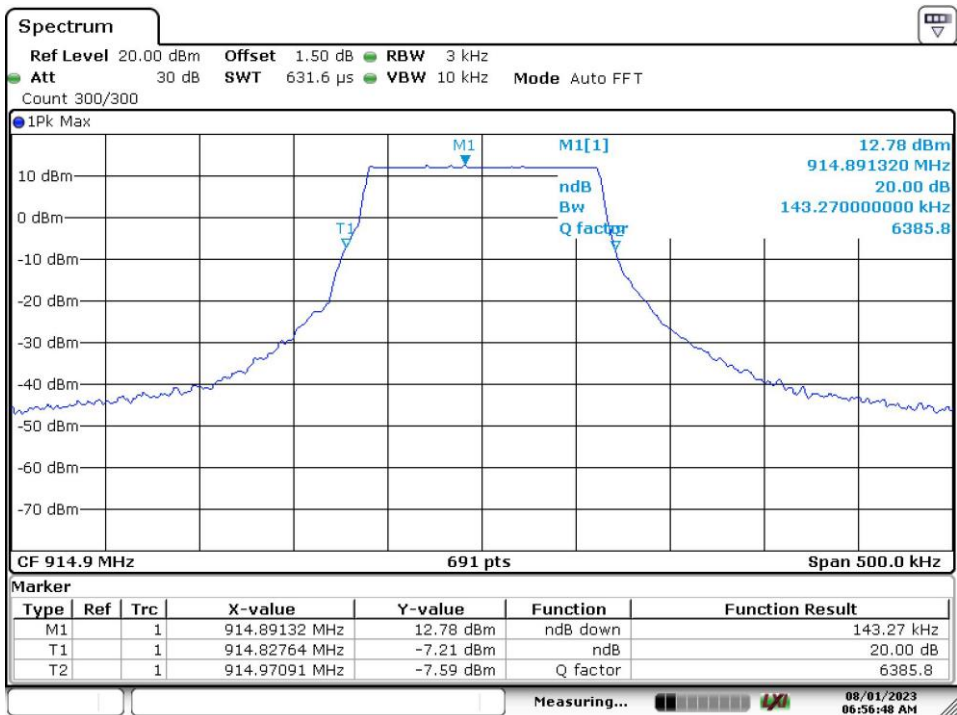


### Middle Channel



Date: 1.AUG.2023 07:05:12

### High Channel

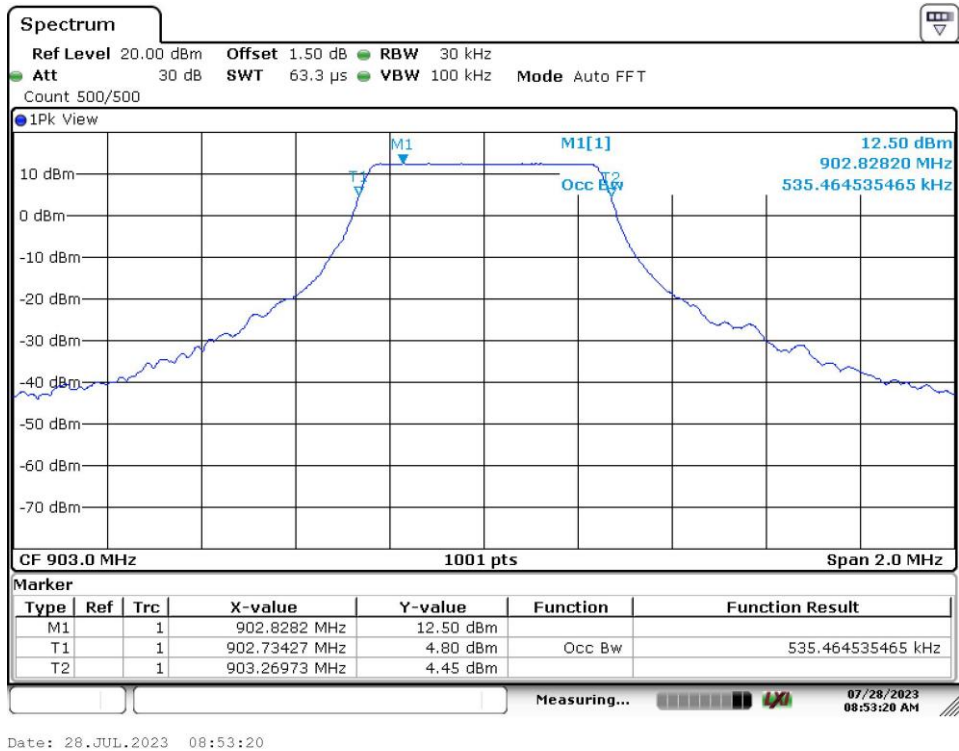


Date: 1.AUG.2023 06:56:49

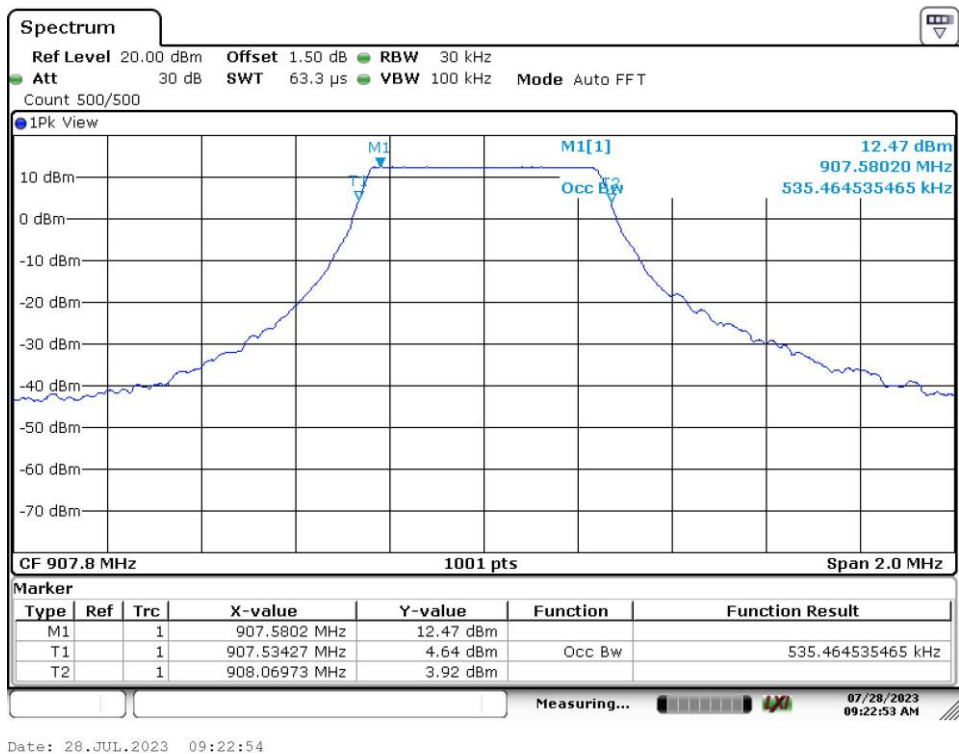
## Appendix B.4: 99% Bandwidth

### Lora DTS

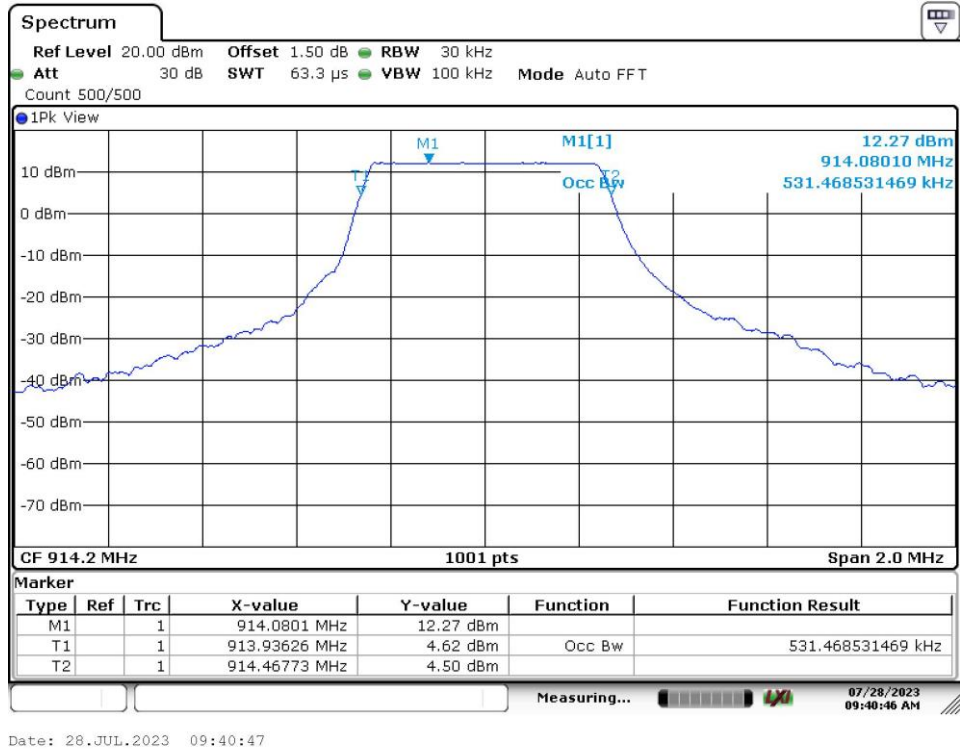
#### Low Channel



#### Middle Channel

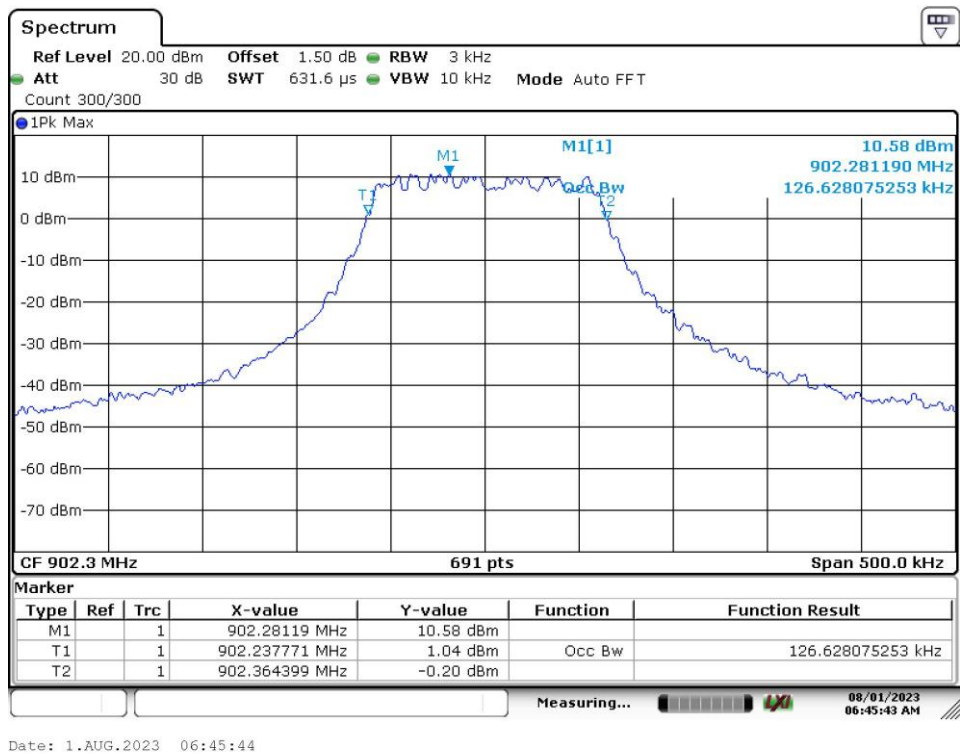


## High Channel

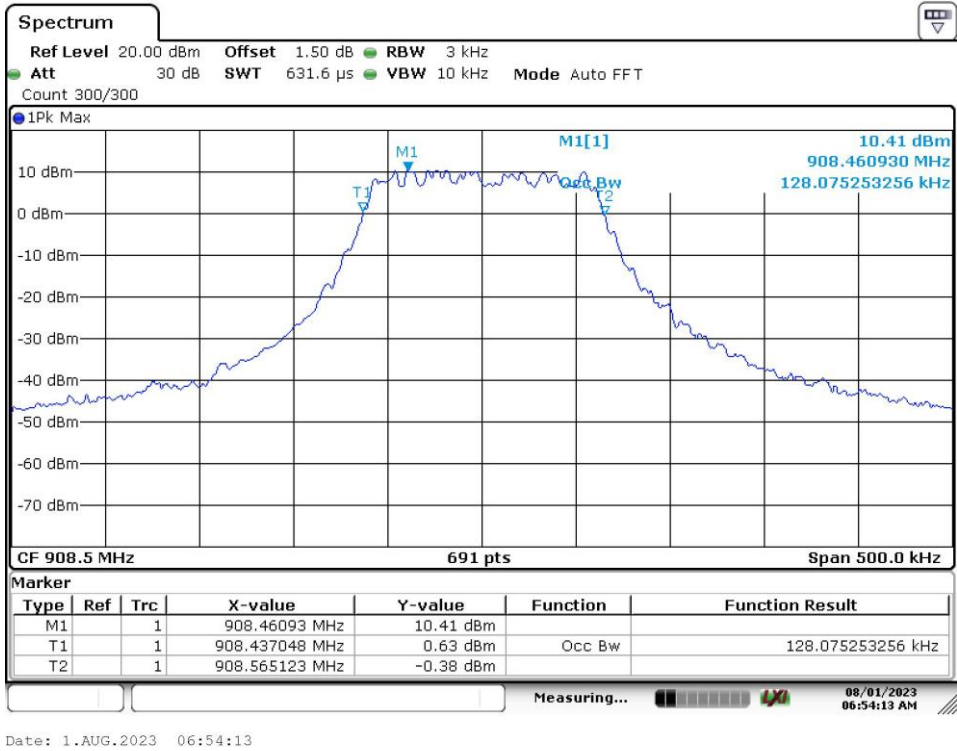


## Lora FHSS, Data rate SF7

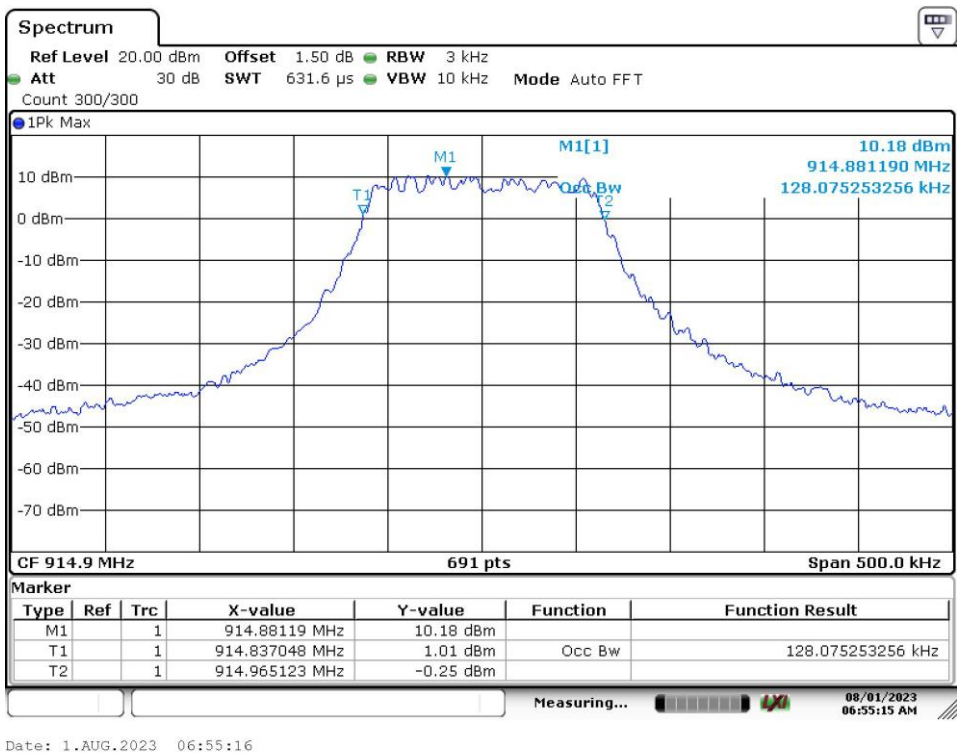
### Low Channel



### Middle Channel



### High Channel



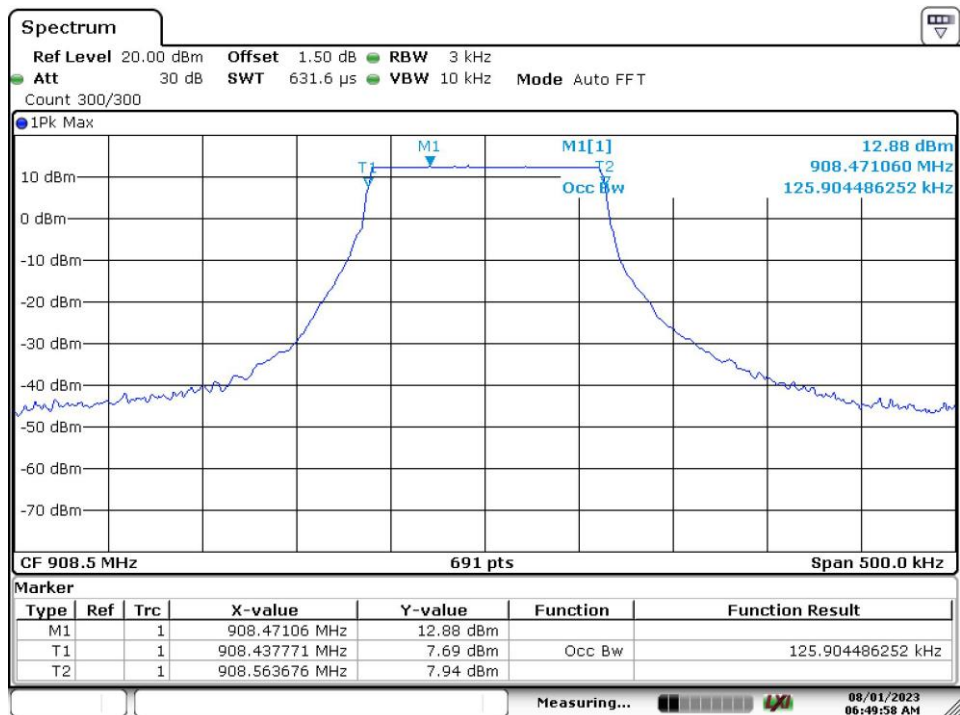
## Lora FHSS, Data rate SF10

### Low Channel



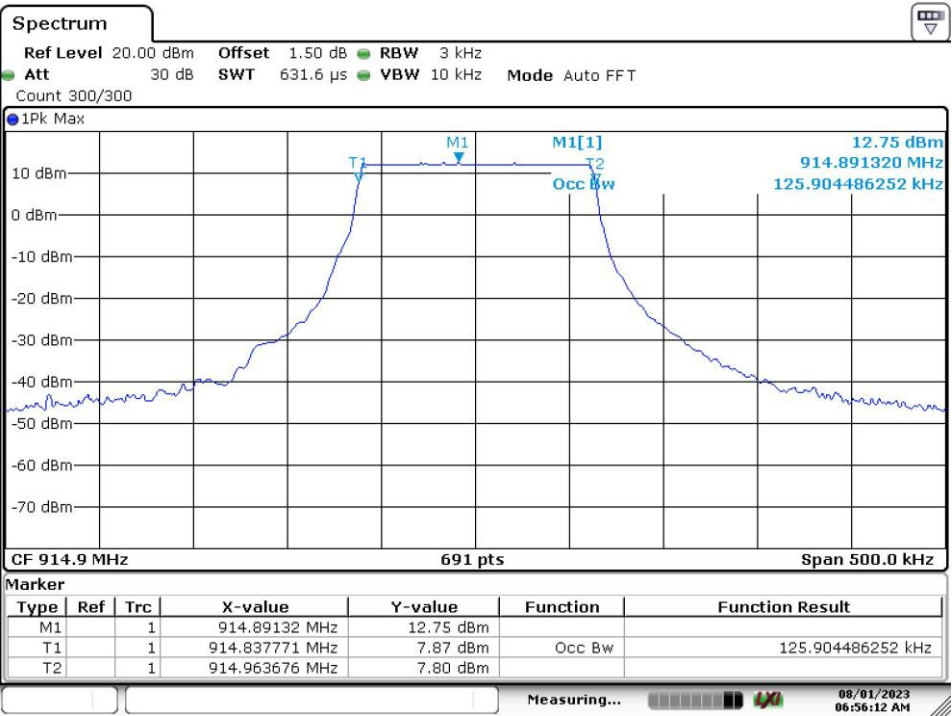
Date: 1.AUG.2023 06:47:19

### Middle Channel



Date: 1.AUG.2023 06:49:58

High Channel

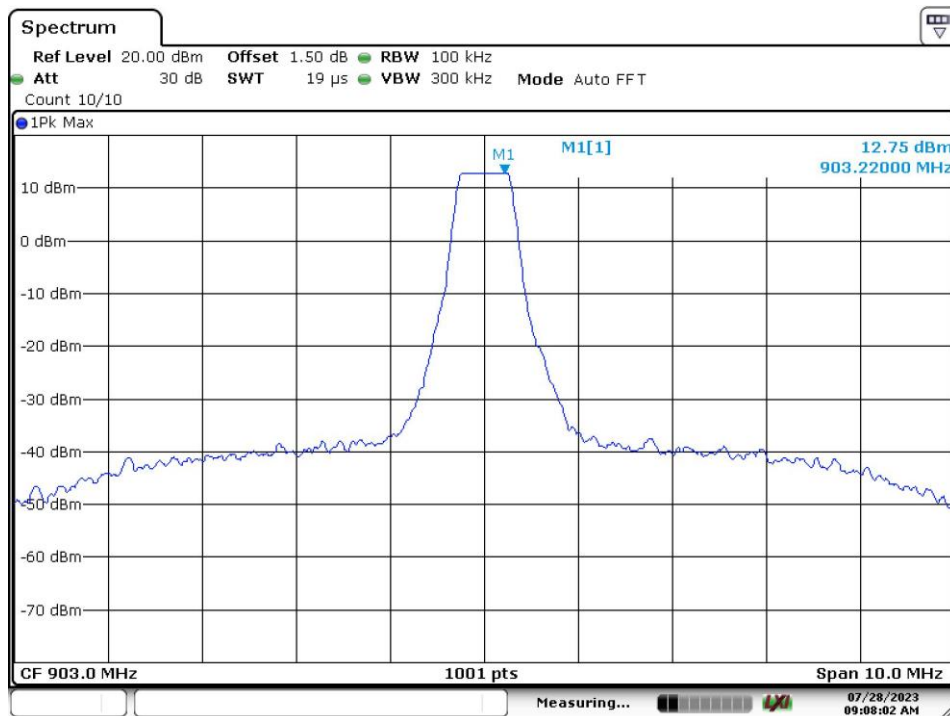


Date: 1.AUG.2023 06:56:13

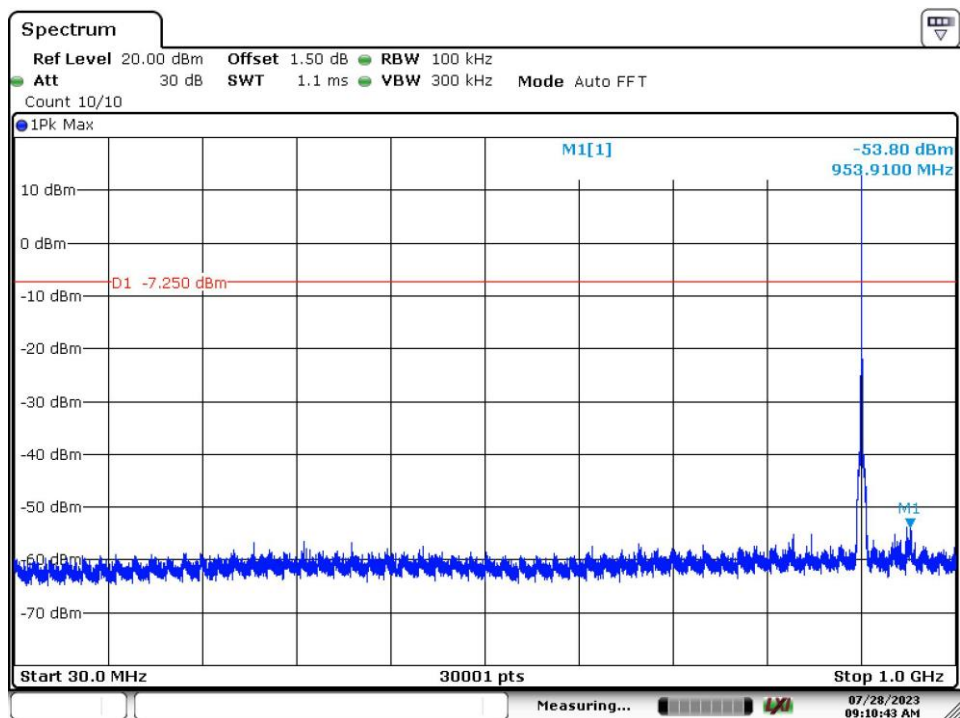
## Appendix B.5: Conducted Spurious Emissions Measured in 100 kHz Bandwidth

### Lora DTS

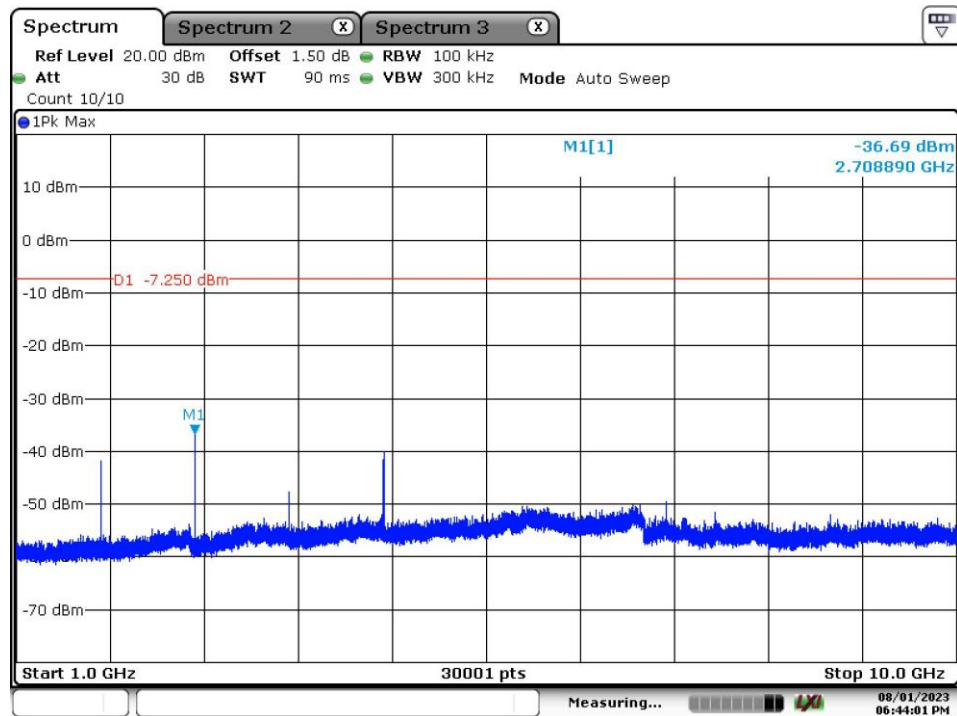
#### Low Channel



Date: 28.JUL.2023 09:08:02

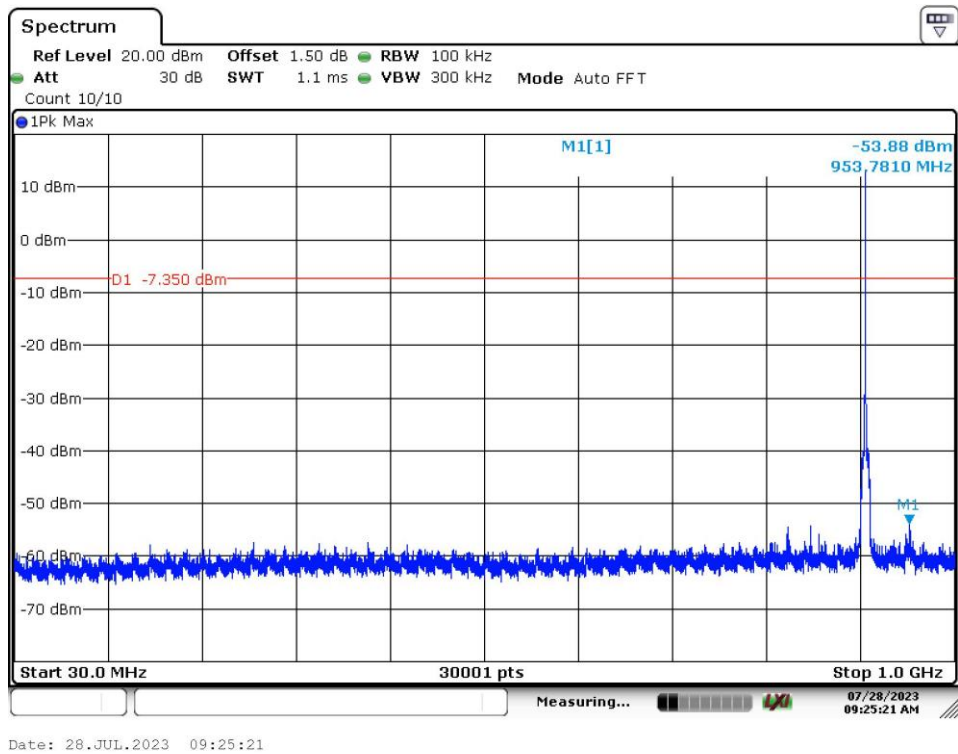
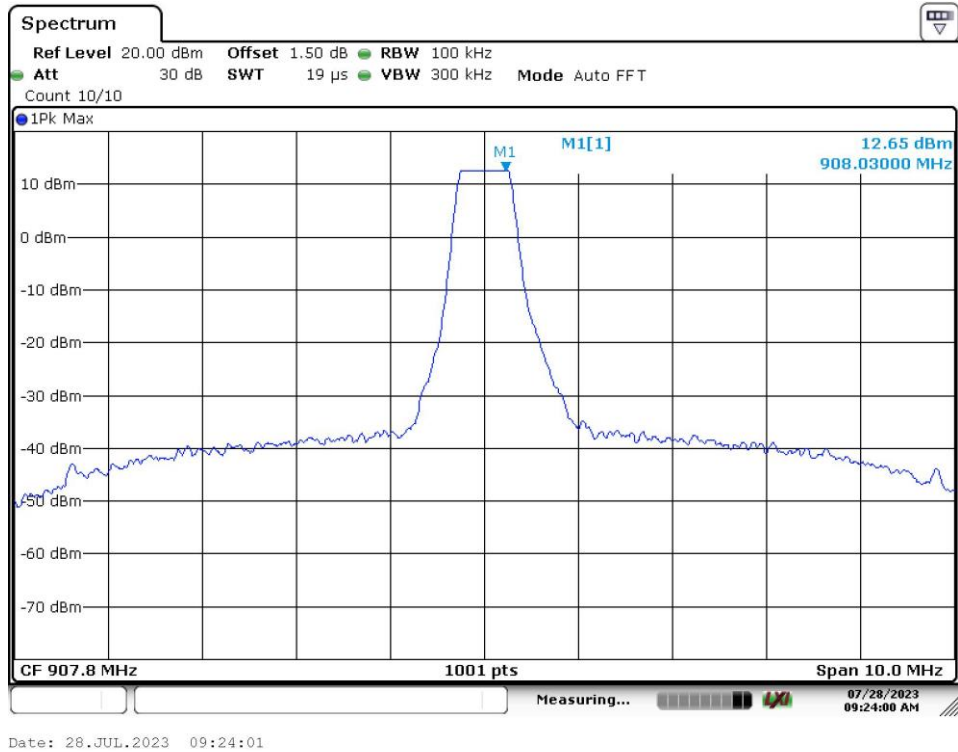


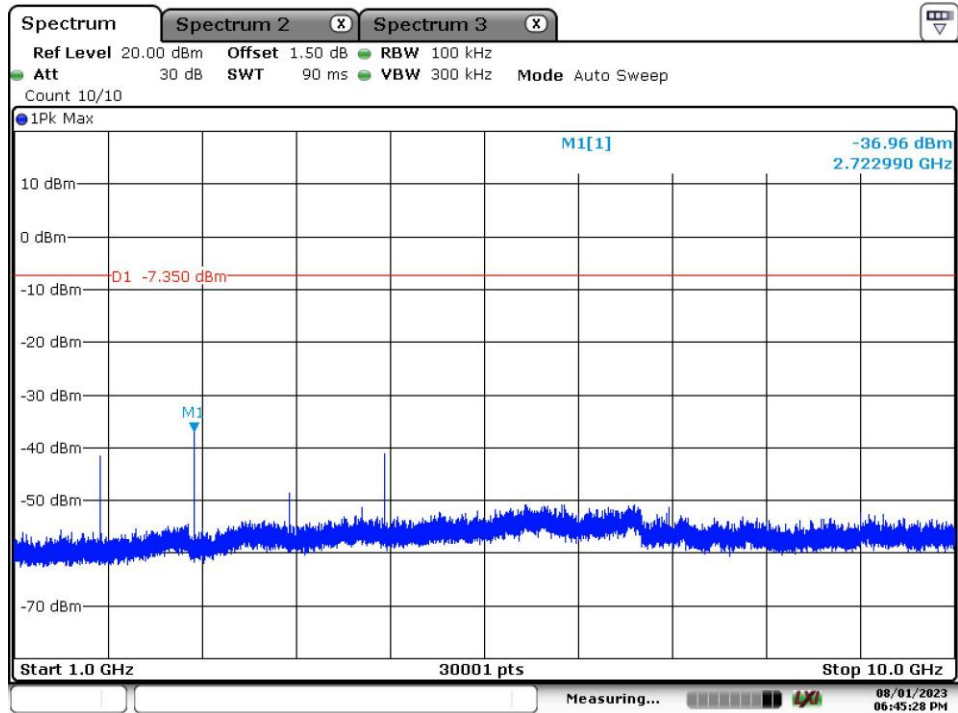
Date: 28.JUL.2023 09:10:43



Date: 1.AUG.2023 18:44:02

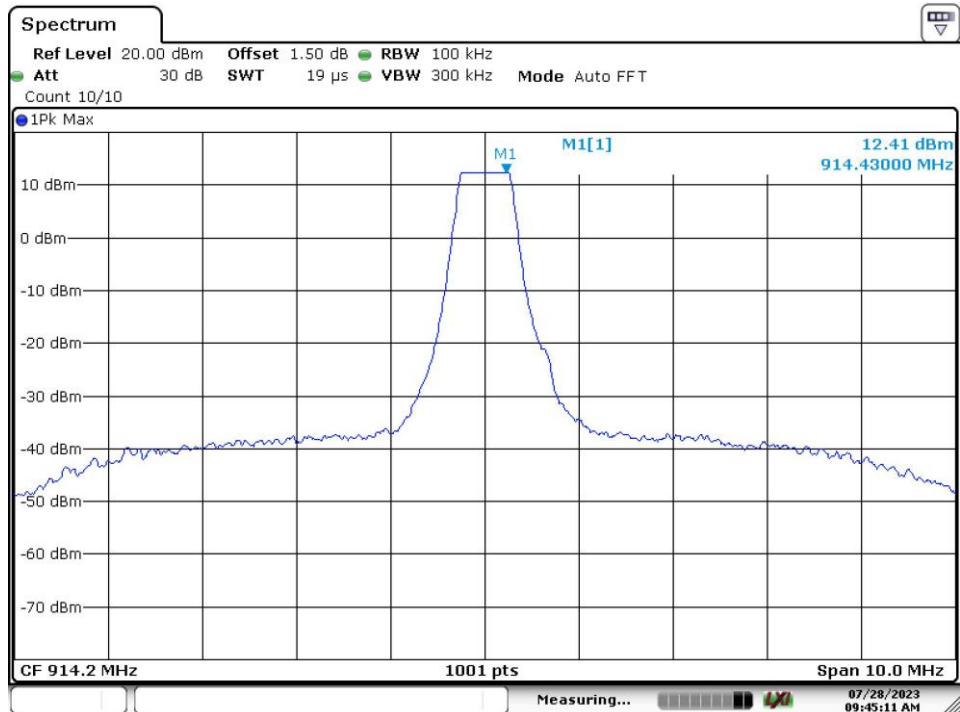
Middle Channel



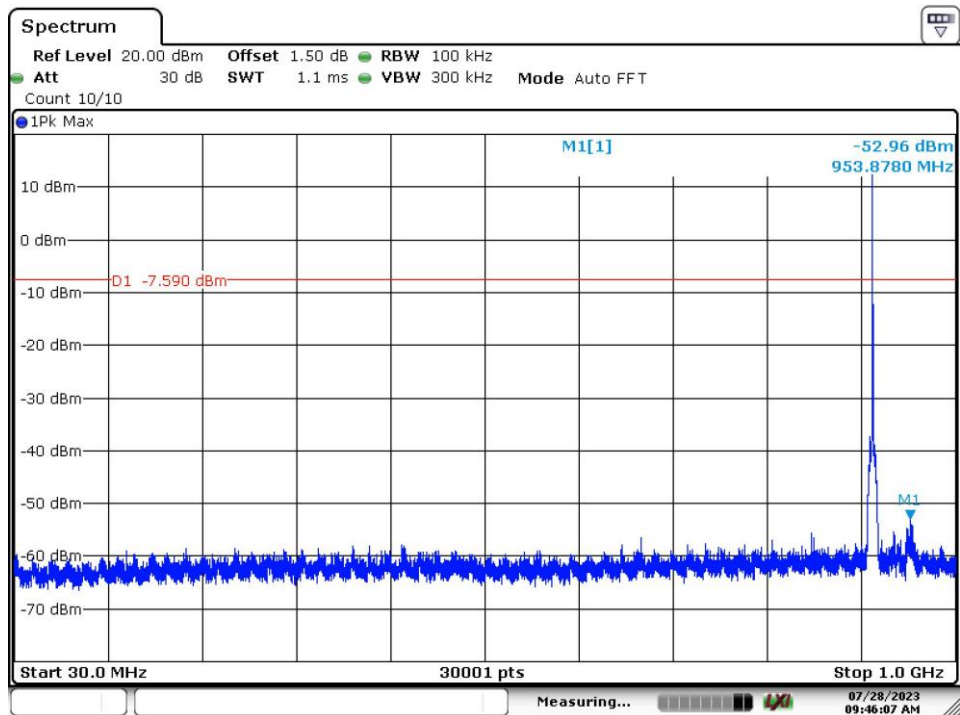


Date: 1.AUG.2023 18:45:28

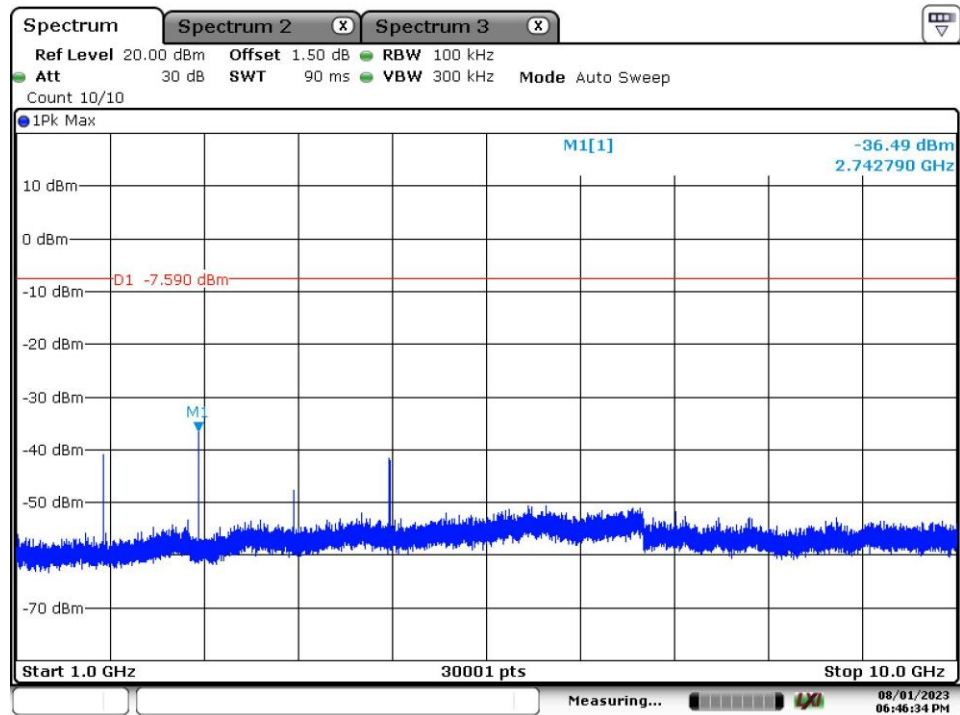
High Channel



Date: 28.JUL.2023 09:45:11

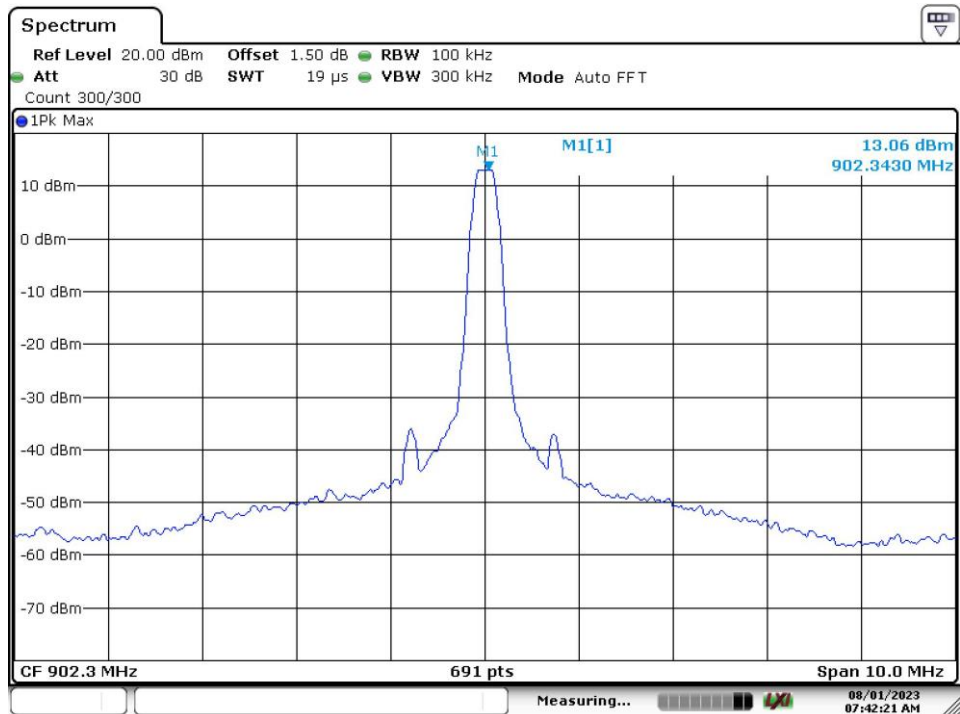


Date: 28.JUL.2023 09:46:07

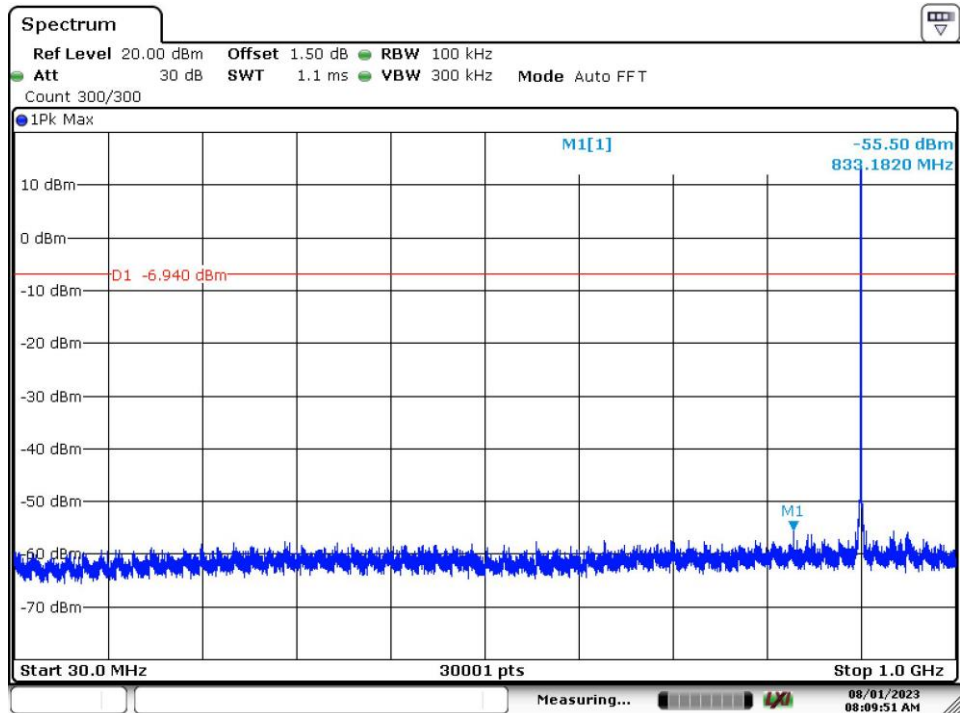


Date: 1.AUG.2023 18:46:35

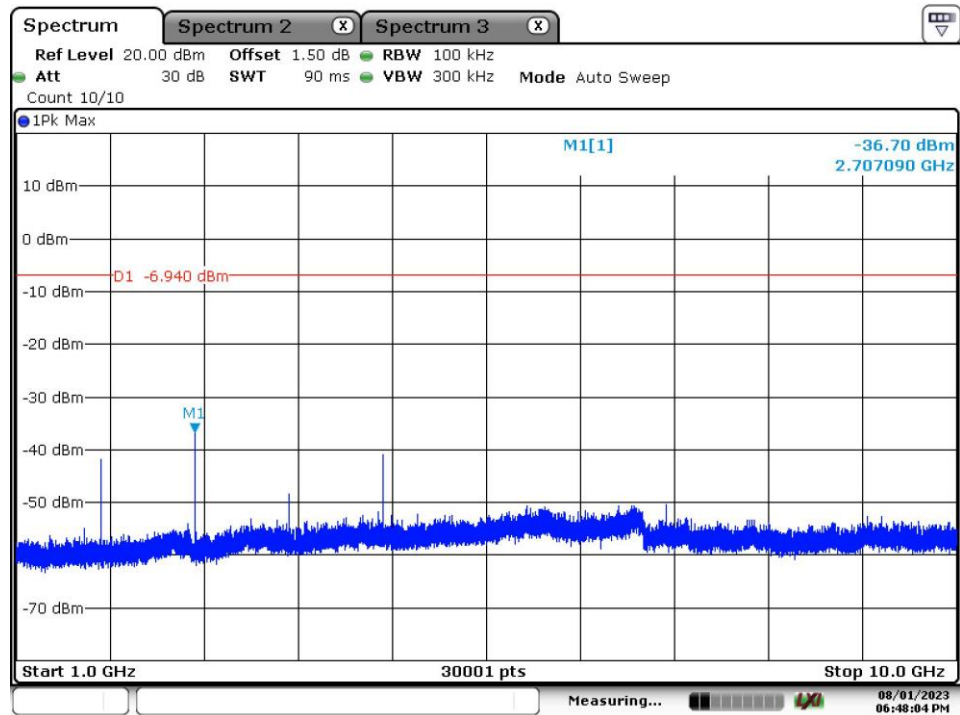
Lora FHSS, Data rate SF7, No hopping  
Low Channel



Date: 1.AUG.2023 07:42:22

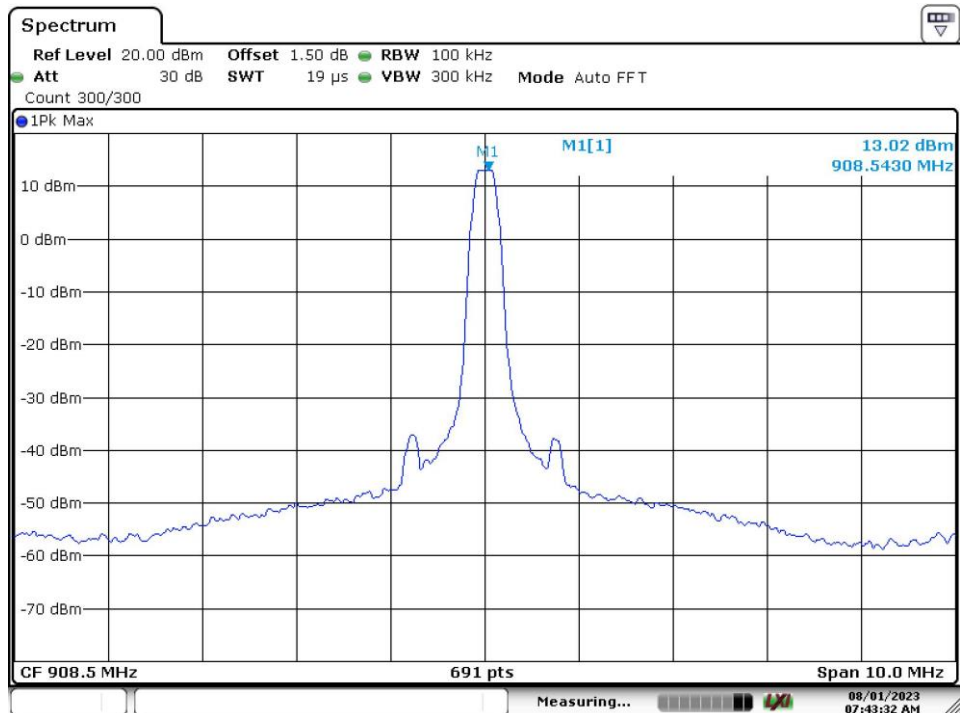


Date: 1.AUG.2023 08:09:51

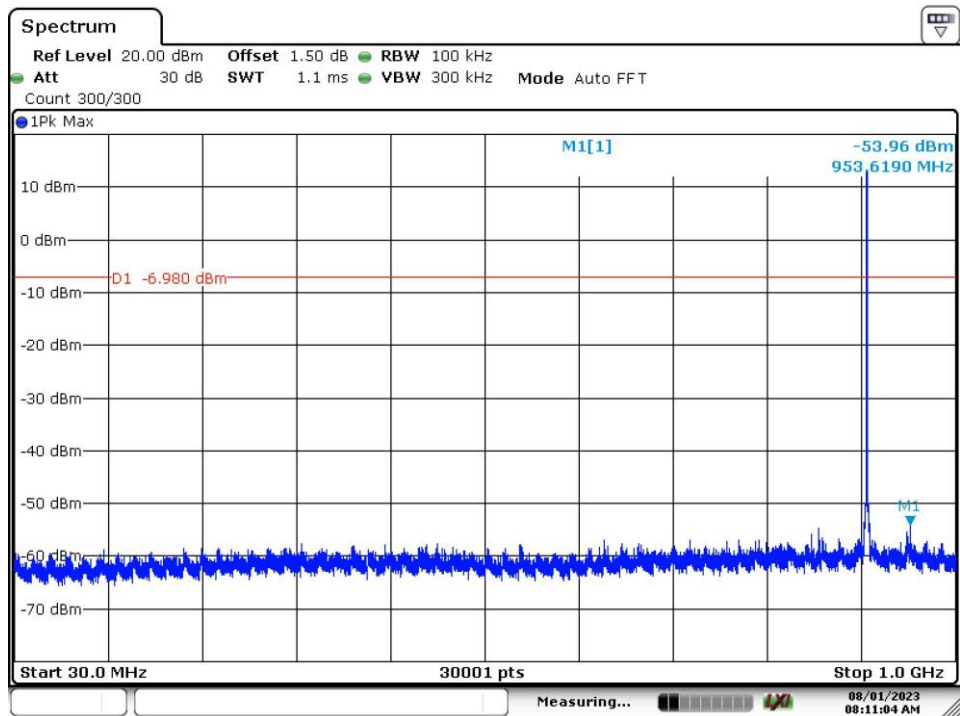


Date: 1.AUG.2023 18:48:04

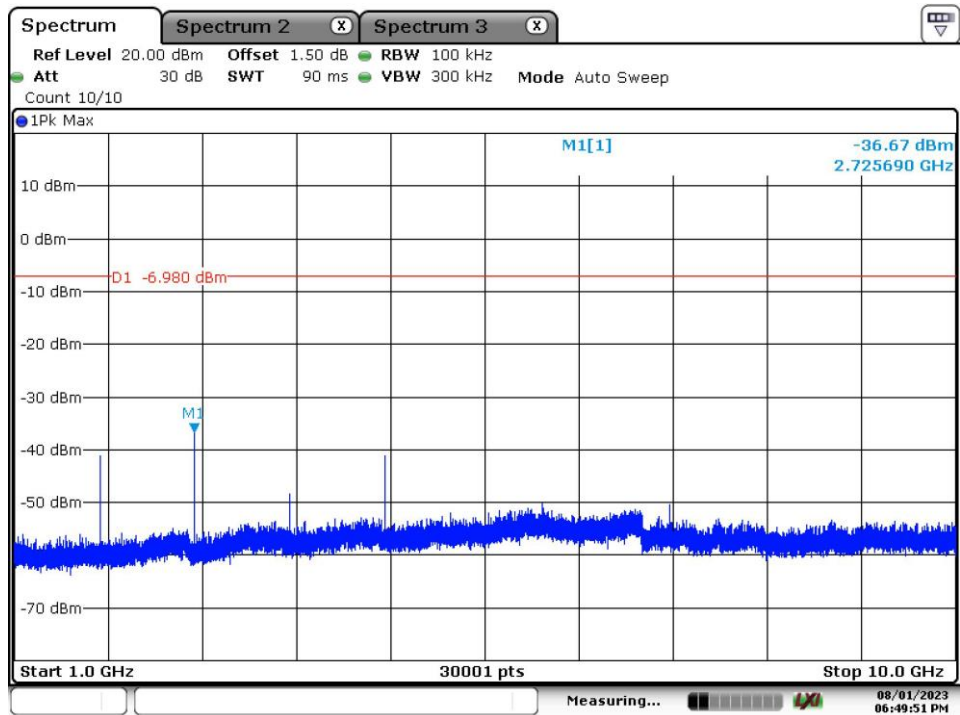
Middle Channel



Date: 1.AUG.2023 07:43:33

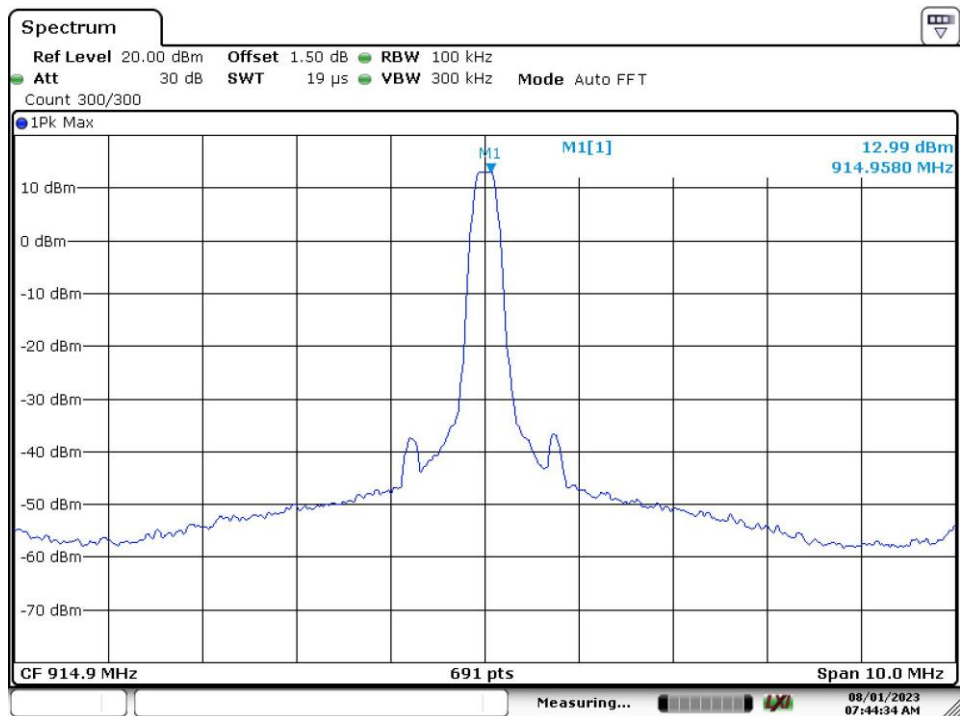


Date: 1.AUG.2023 08:11:04

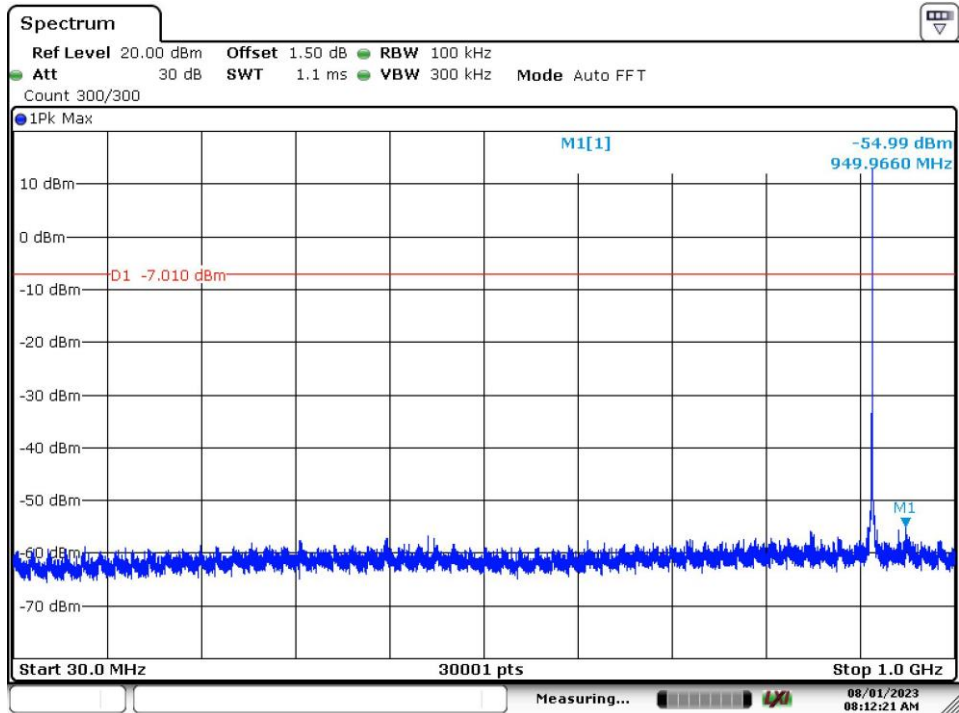


Date: 1.AUG.2023 18:49:52

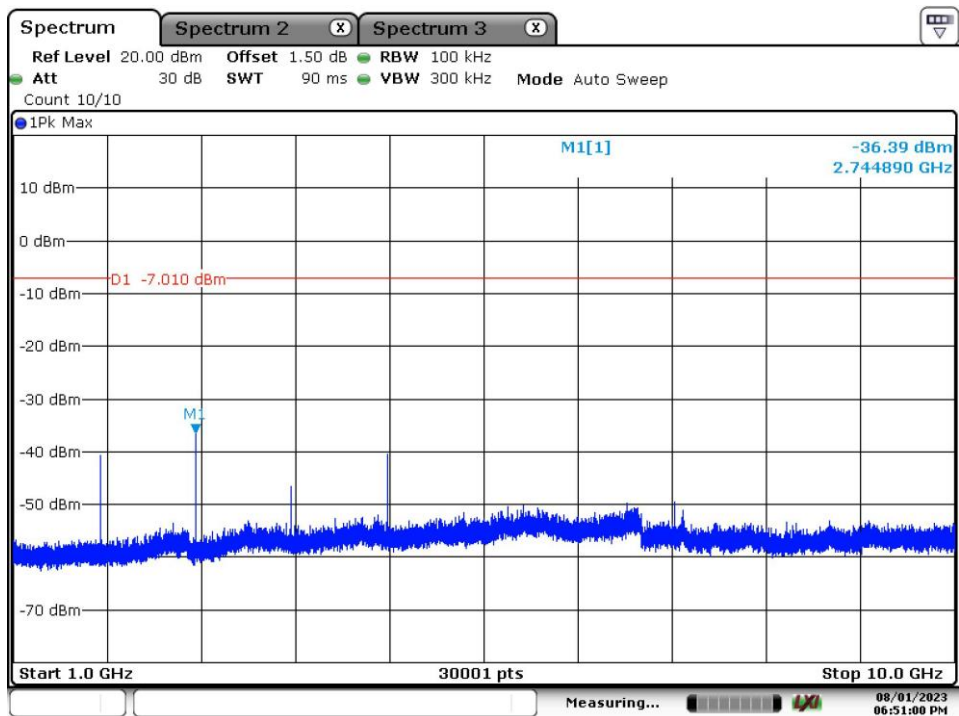
High Channel



Date: 1.AUG.2023 07:44:34



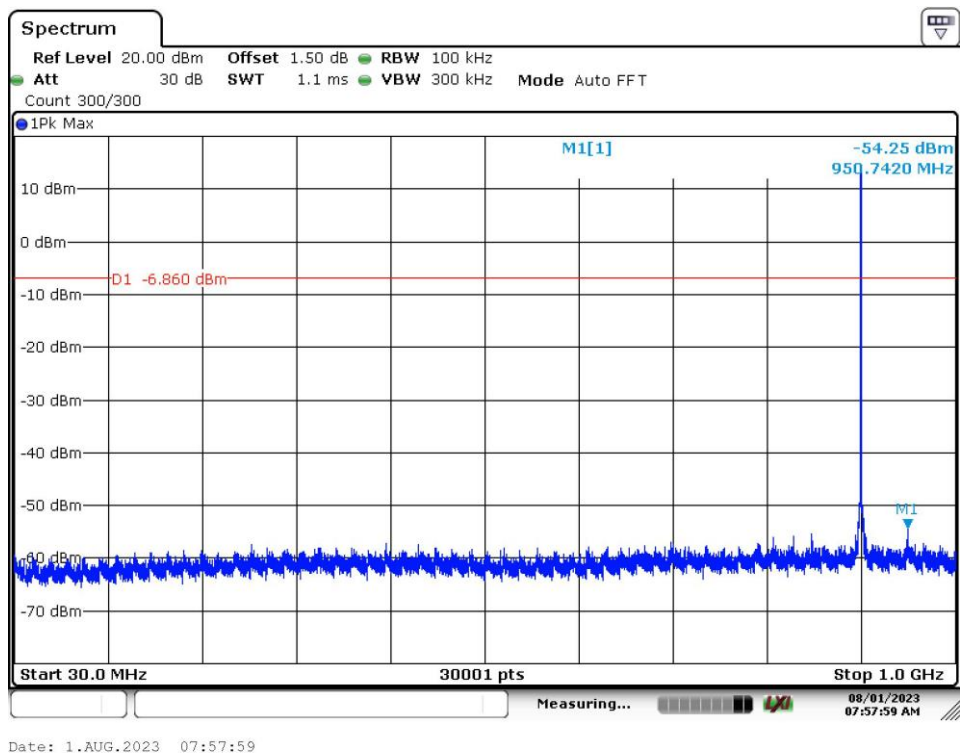
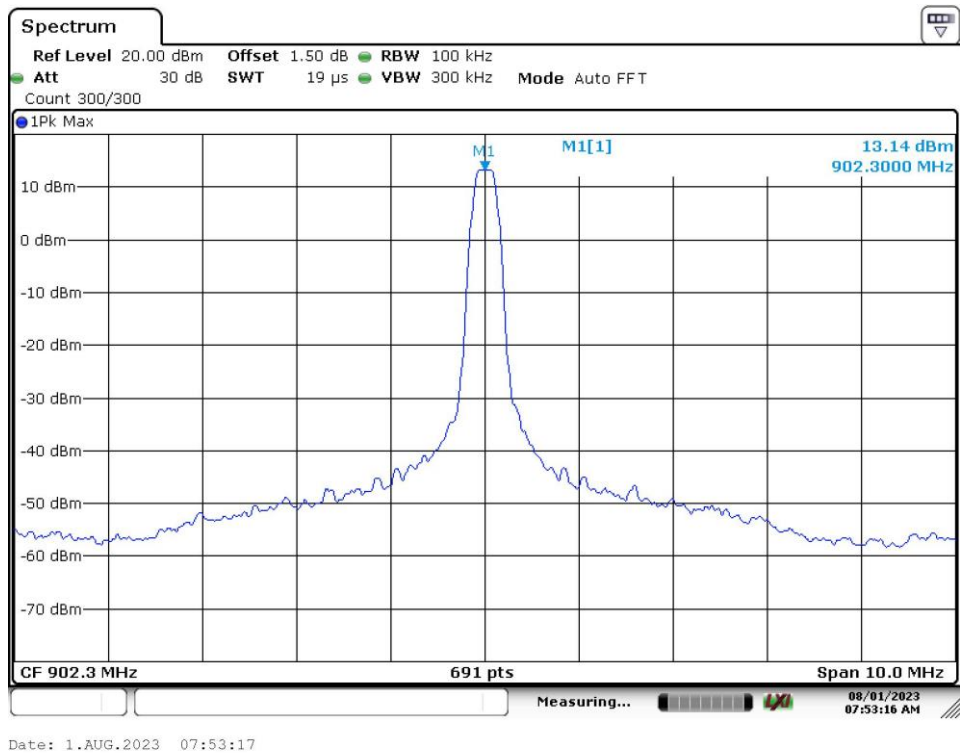
Date: 1.AUG.2023 08:12:21

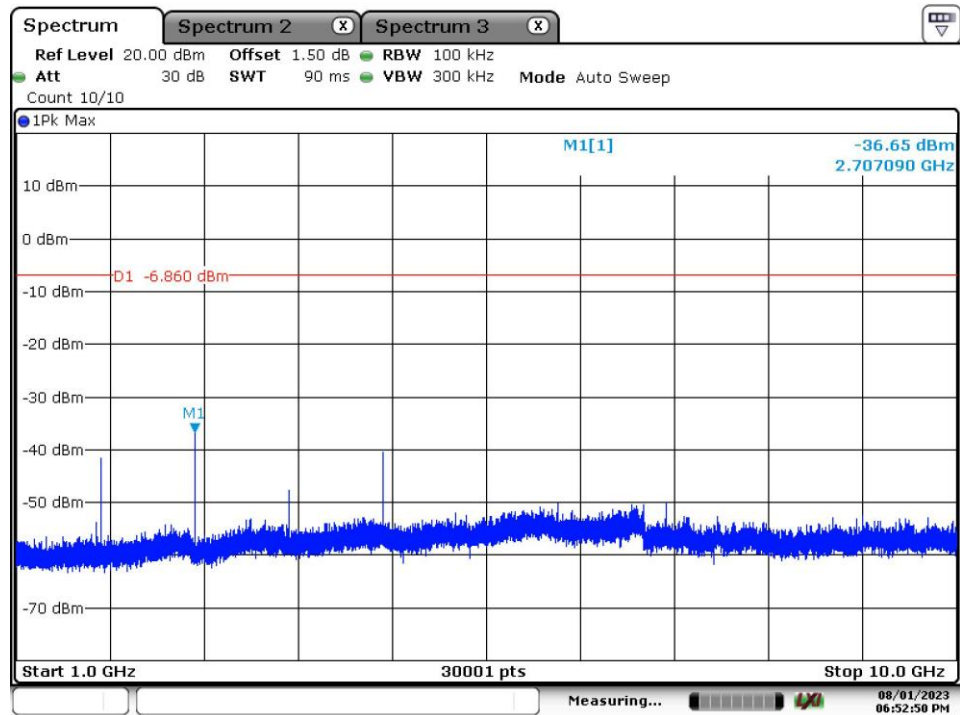


Date: 1.AUG.2023 18:51:00

## Lora FHSS, Data rate SF10, No hopping

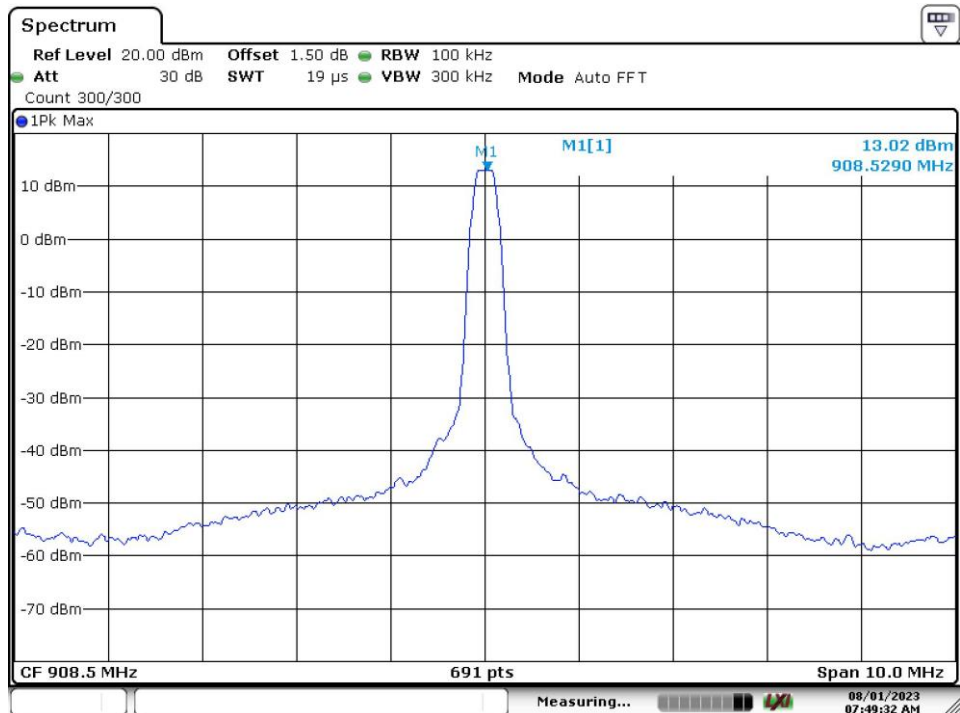
Low Channel



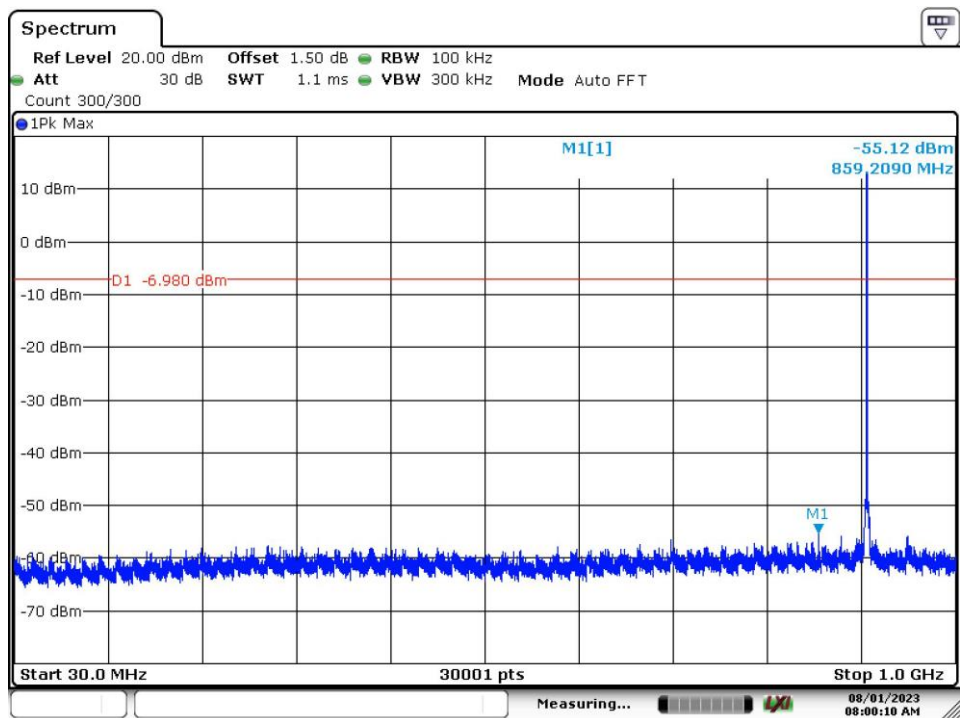


Date: 1.AUG.2023 18:52:50

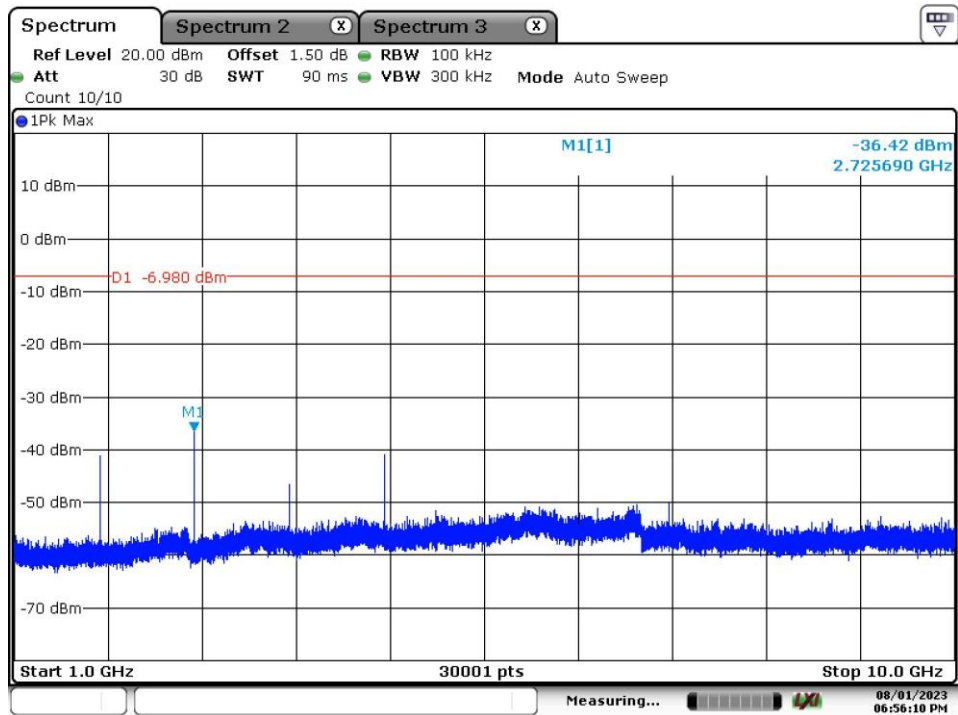
## Middle Channel



Date: 1.AUG.2023 07:49:32

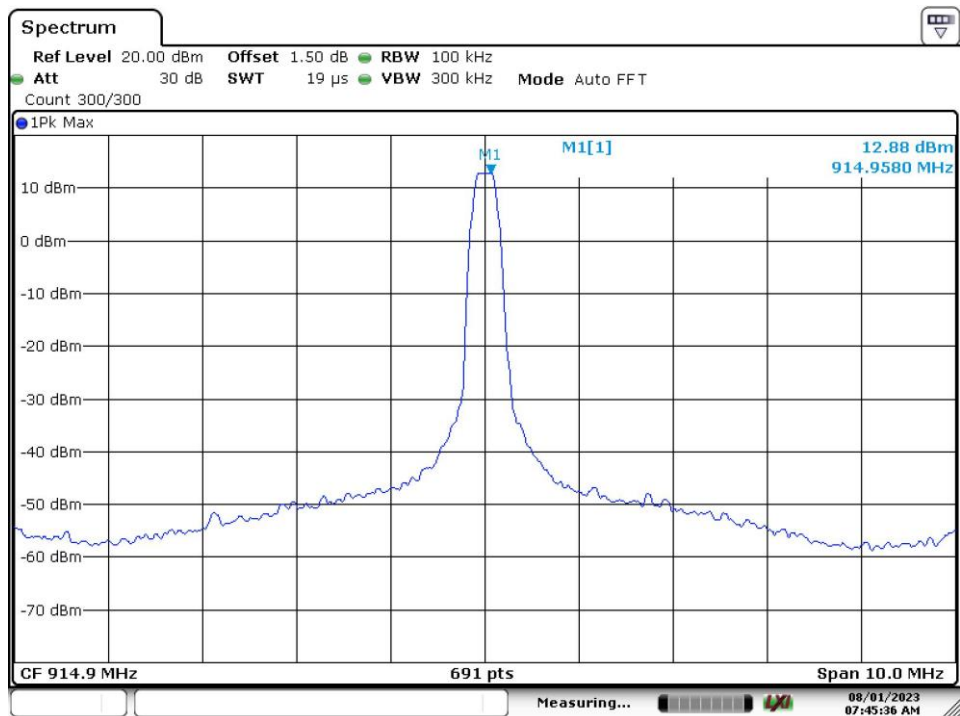


Date: 1.AUG.2023 08:00:09



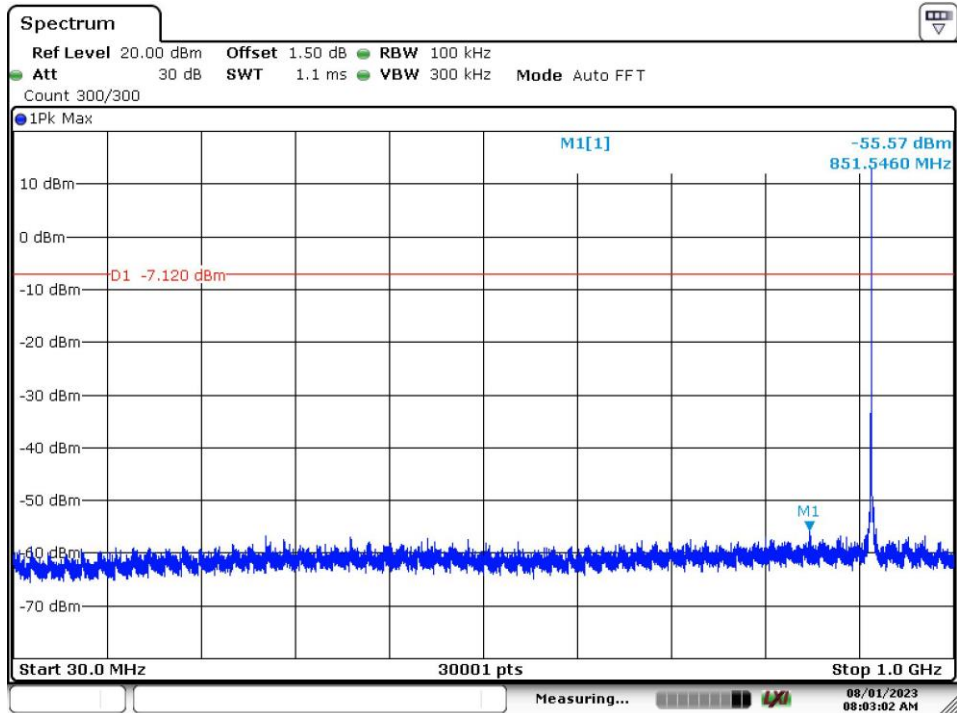
Date: 1.AUG.2023 18:56:10

## High Channel

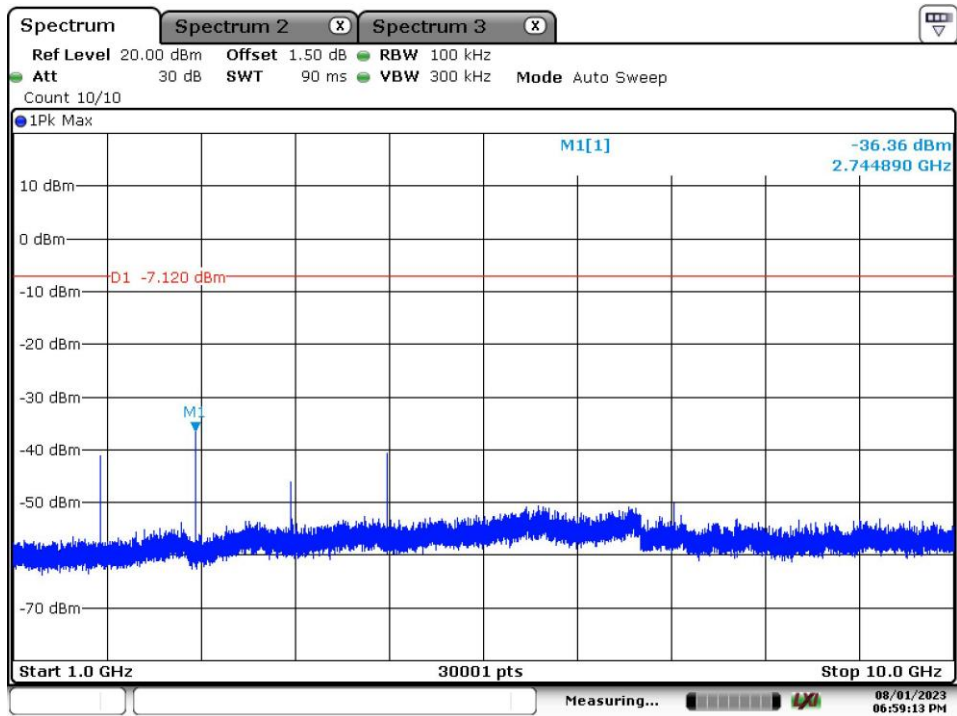


Date: 1.AUG.2023 07:45:37

Prüfbericht - Produkte  
Test Report - Products

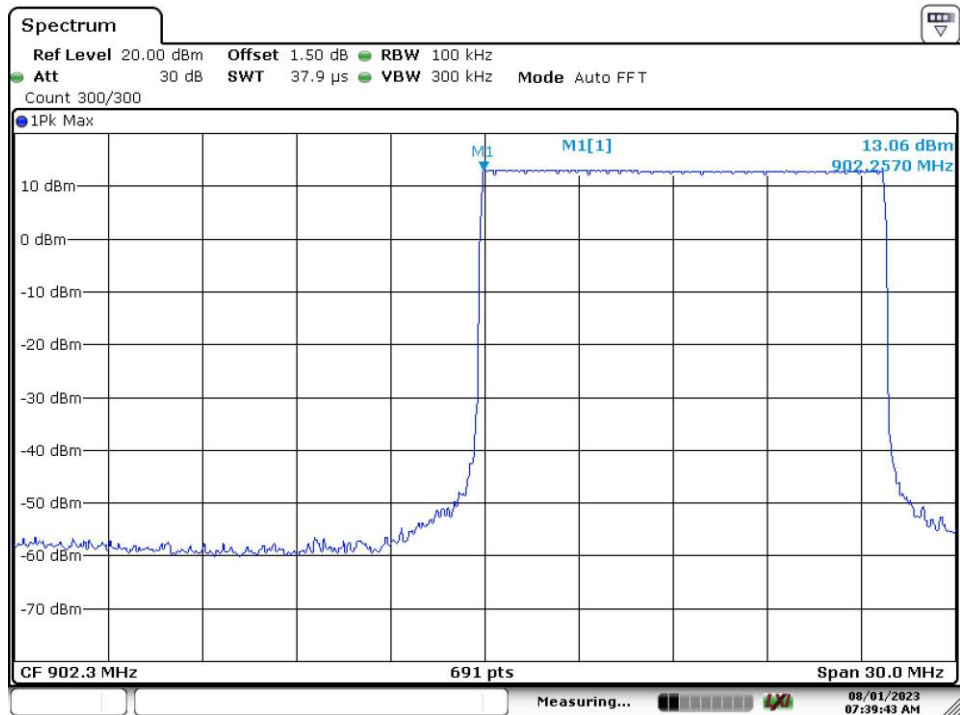


Date: 1.AUG.2023 08:03:02

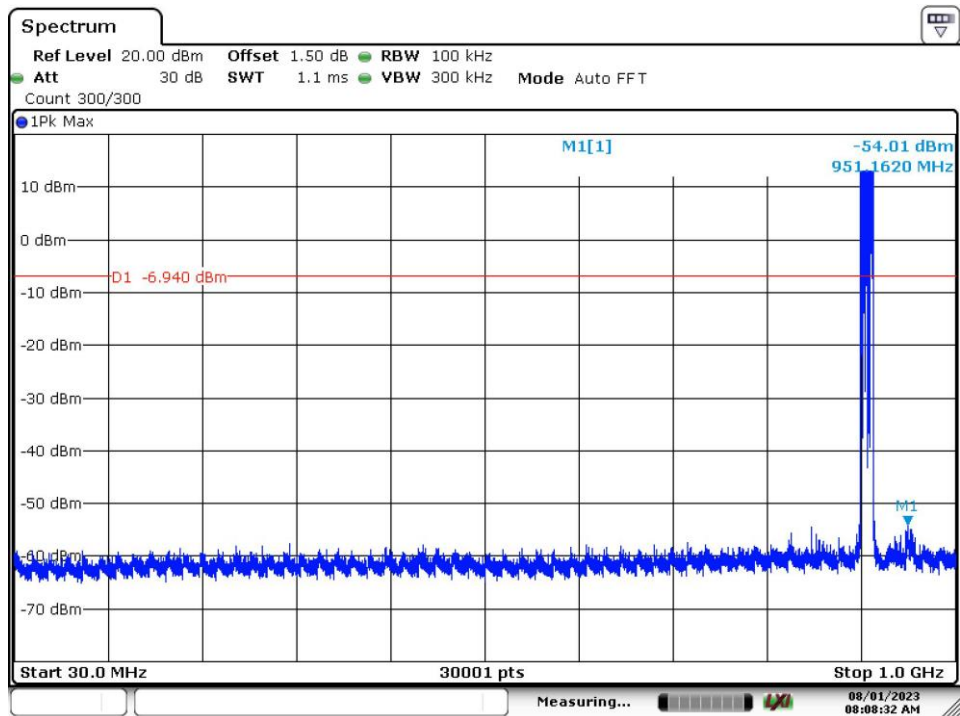


Date: 1.AUG.2023 18:59:13

Lora FHSS, Data rate SF7, hopping



Date: 1.AUG.2023 07:39:44



Date: 1.AUG.2023 08:08:32